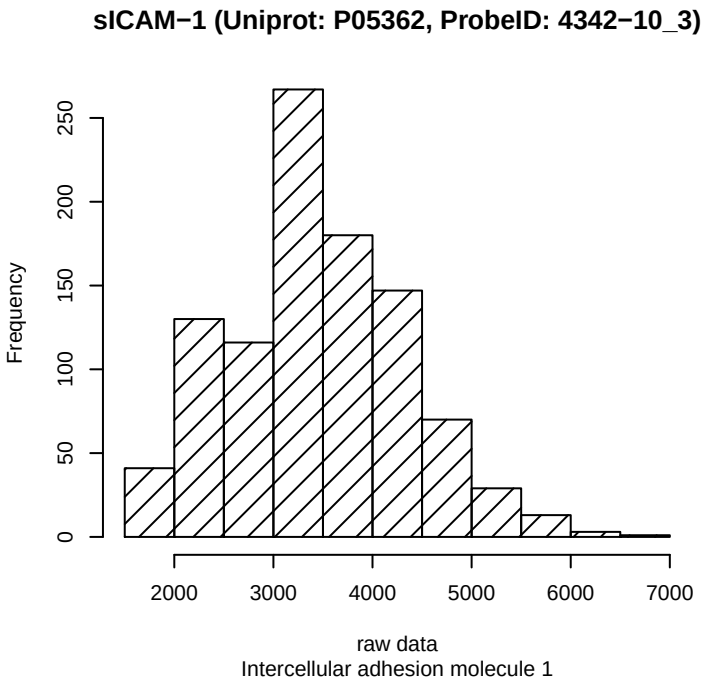
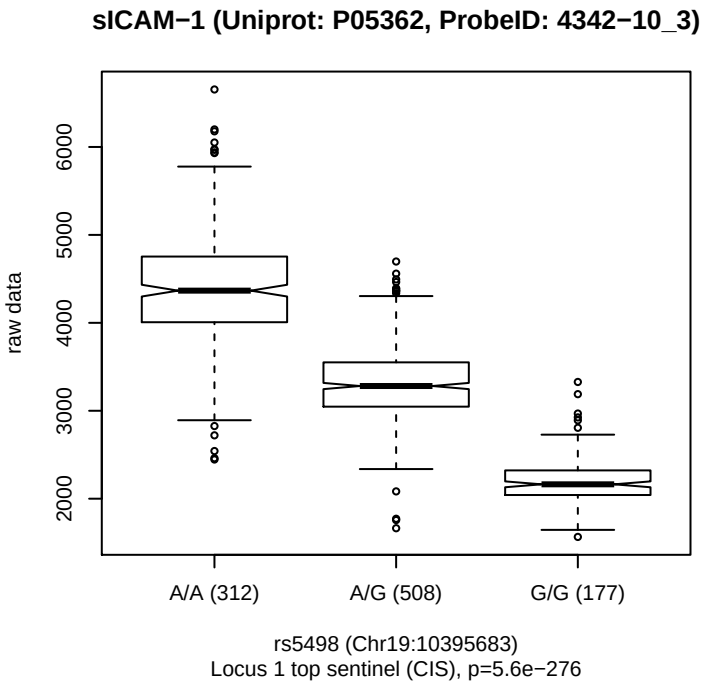
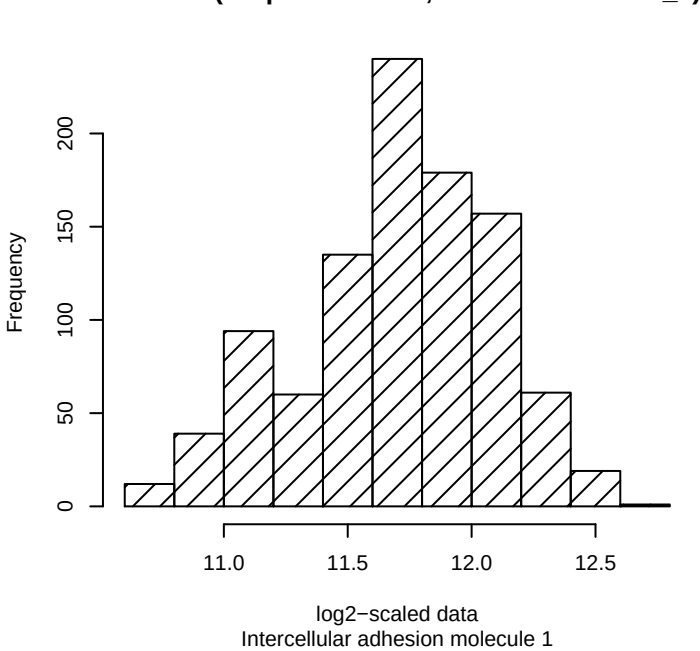
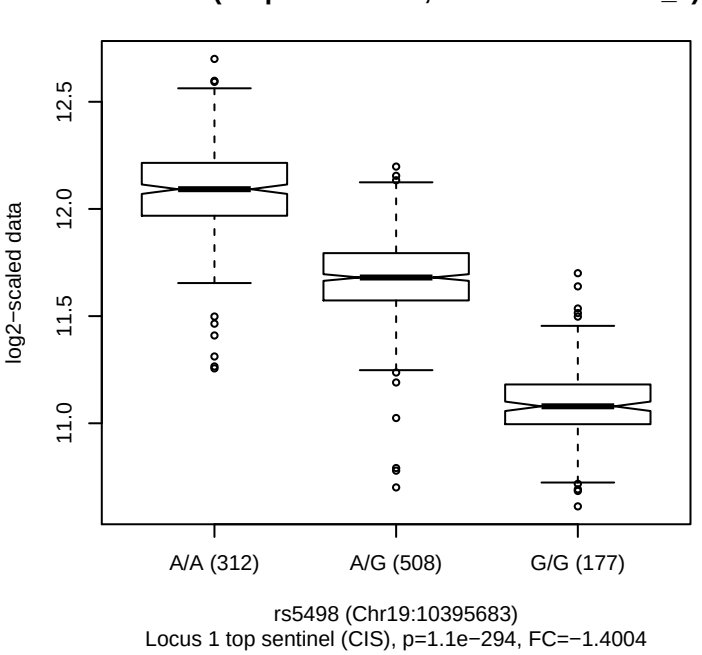
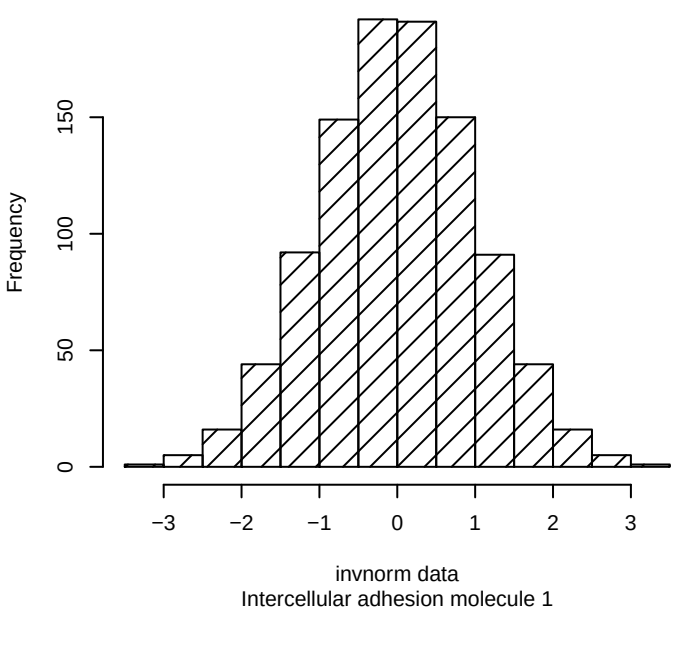
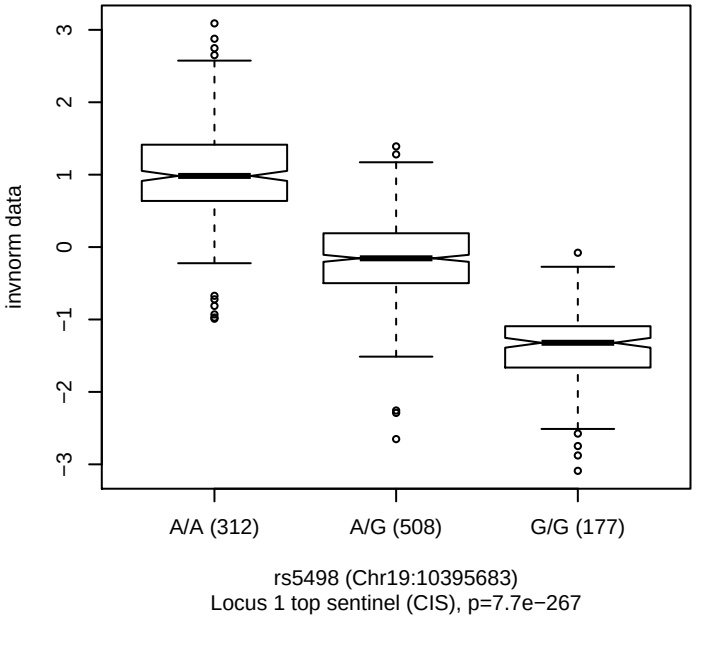

sICAM−1 (Uniprot: P05362, ProbeID: 4342−10_3)
Frequency
0
50
100
150
200
250
2000
3000
4000
5000
6000
7000
raw data
Intercellular adhesion molecule 1

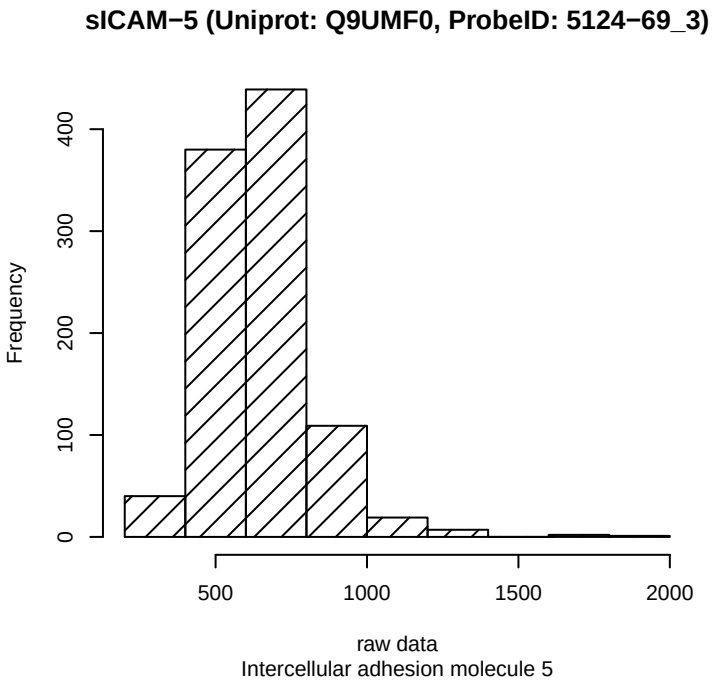

sICAM−1 (Uniprot: P05362, ProbeID: 4342−10_3)
raw data
2000
3000
4000
5000
6000
A/A (312)
A/G (508)
G/G (177)
rs5498 (Chr19:10395683)
Locus 1 top sentinel (CIS), p=5.6e−276

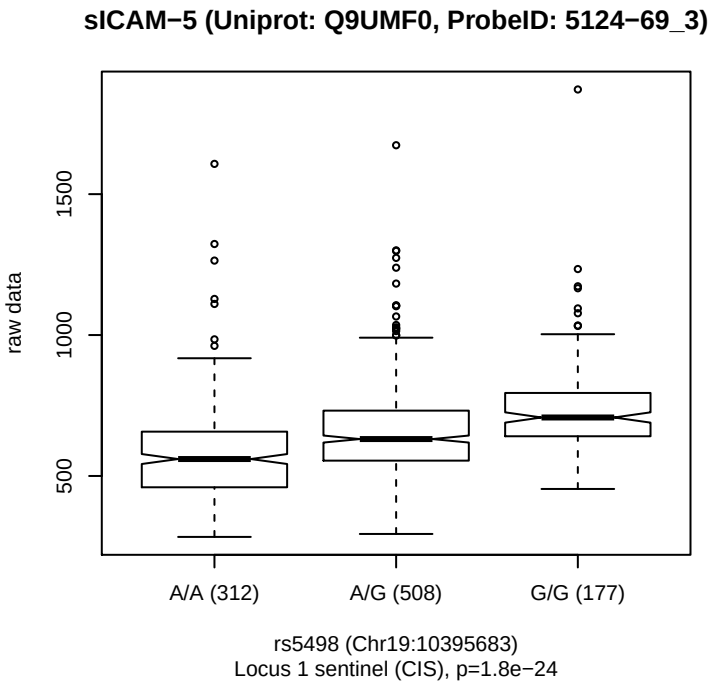

sICAM−1 (Uniprot: P05362, ProbeID: 4342−10_3)
Frequency
0
50
100
150
200
11.0
11.5
12.0
12.5
log2−scaled data
Intercellular adhesion molecule 1

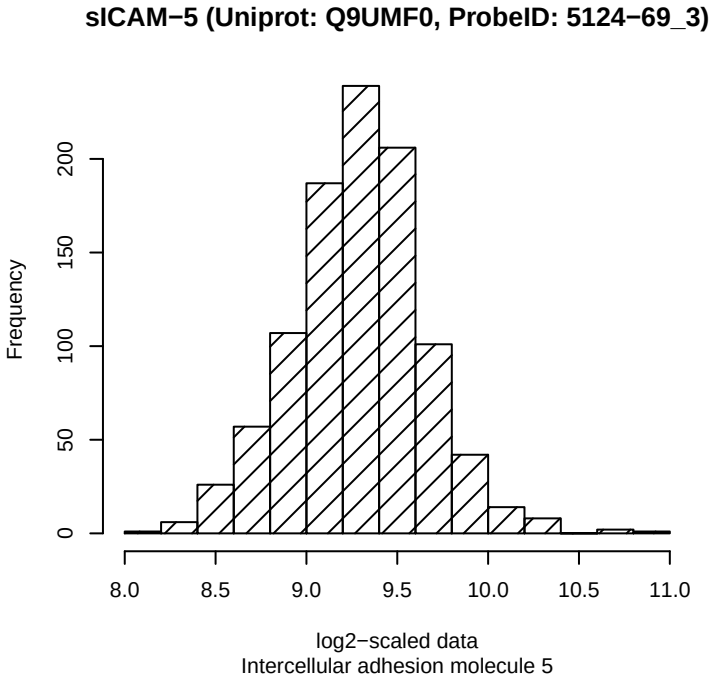

sICAM−1 (Uniprot: P05362, ProbeID: 4342−10_3)
log2−scaled data
11.0
11.5
12.0
12.5
A/A (312)
A/G (508)
G/G (177)
rs5498 (Chr19:10395683)
Locus 1 top sentinel (CIS), p=1.1e−294, FC=−1.4004

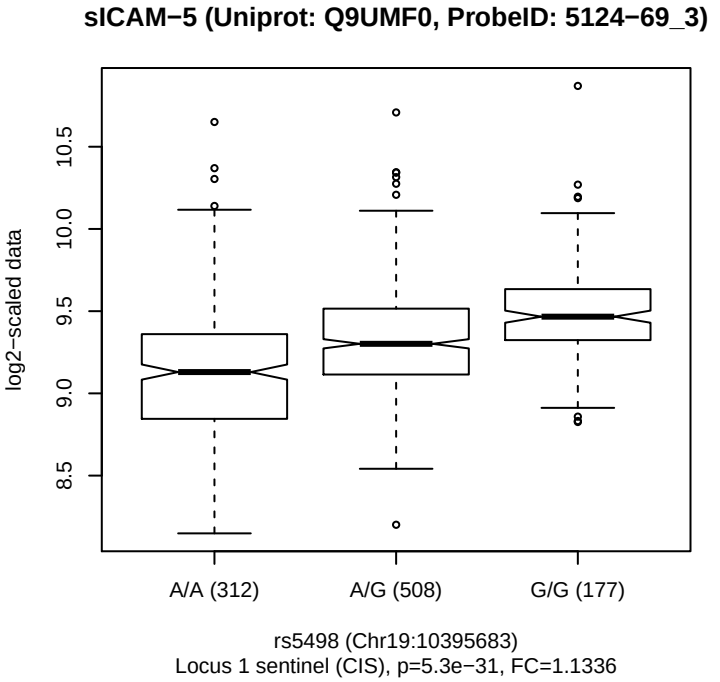

sICAM−1 (Uniprot: P05362, ProbeID: 4342−10_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Intercellular adhesion molecule 1

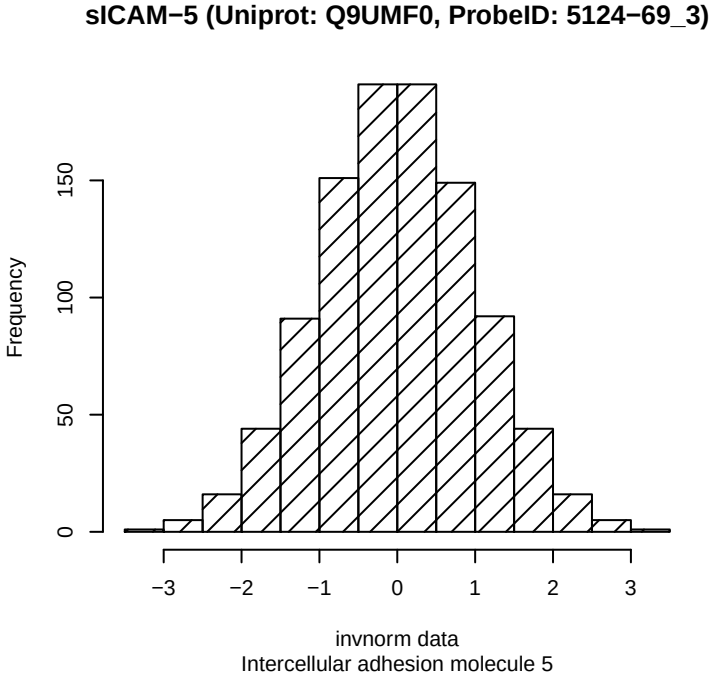

sICAM−1 (Uniprot: P05362, ProbeID: 4342−10_3)
invnorm data
−3
−2
−1
0
1
2
3
A/A (312)
A/G (508)
G/G (177)
rs5498 (Chr19:10395683)
Locus 1 top sentinel (CIS), p=7.7e−267

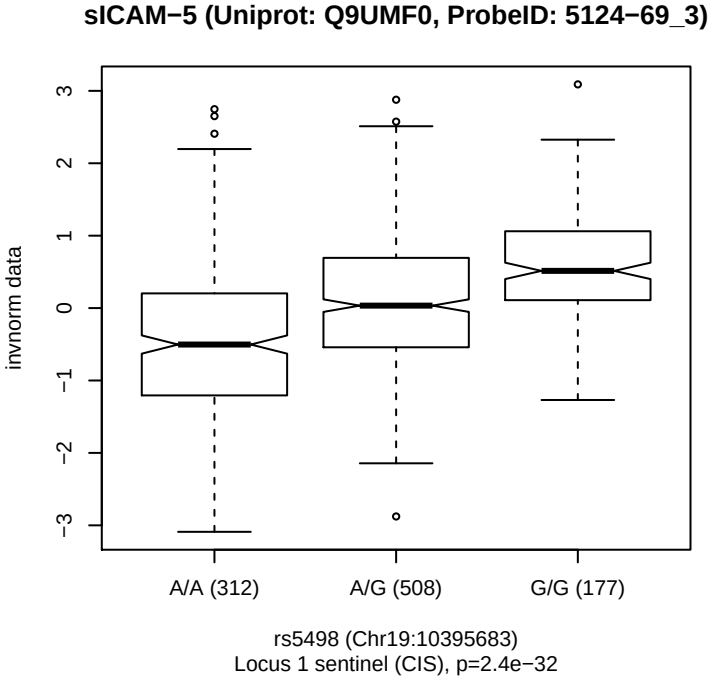

sICAM−5 (Uniprot: Q9UMF0, ProbeID: 5124−69_3)
Frequency
0
100
200
300
400
500
1000
1500
2000
raw data
Intercellular adhesion molecule 5

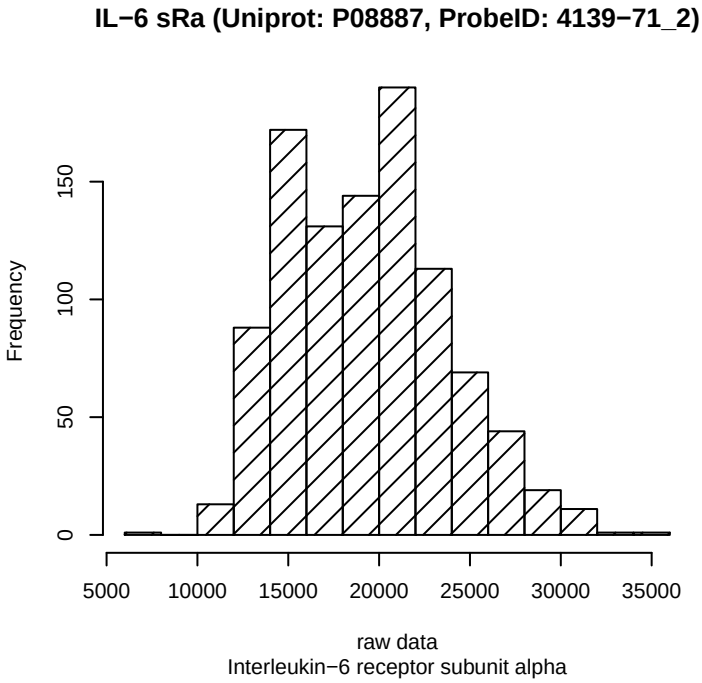

sICAM−5 (Uniprot: Q9UMF0, ProbeID: 5124−69_3)
raw data
500
1000
1500
A/A (312)
A/G (508)
G/G (177)
rs5498 (Chr19:10395683)
Locus 1 sentinel (CIS), p=1.8e−24

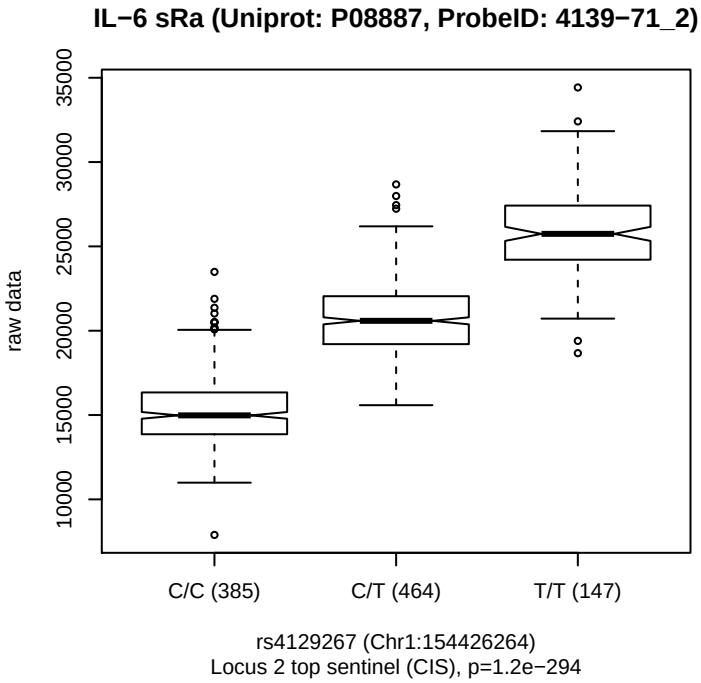

sICAM−5 (Uniprot: Q9UMF0, ProbeID: 5124−69_3)
Frequency
0
50
100
150
200
8.0
8.5
9.0
9.5
10.0
10.5
11.0
log2−scaled data
Intercellular adhesion molecule 5

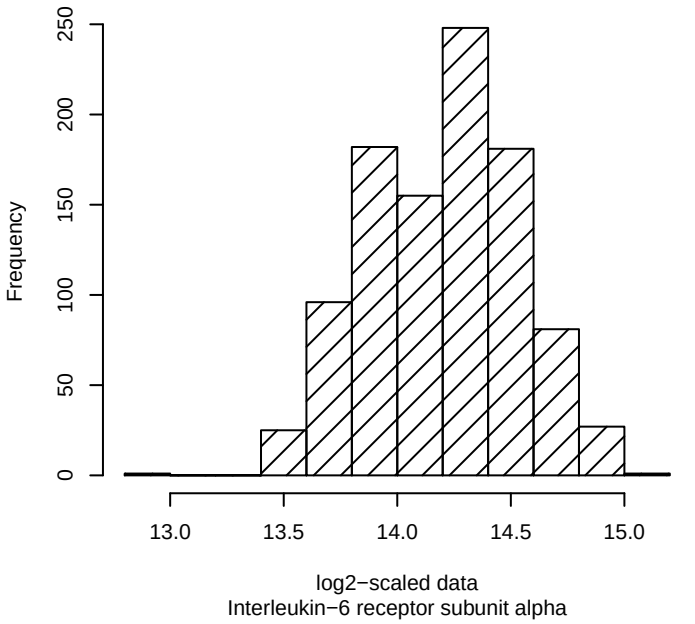

sICAM−5 (Uniprot: Q9UMF0, ProbeID: 5124−69_3)
log2−scaled data
8.5
9.0
9.5
10.0
10.5
A/A (312)
A/G (508)
G/G (177)
rs5498 (Chr19:10395683)
Locus 1 sentinel (CIS), p=5.3e−31, FC=1.1336

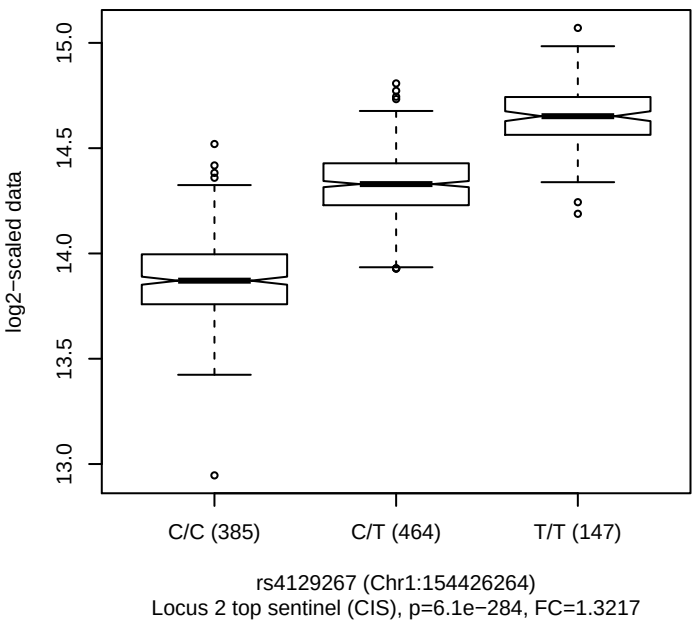

sICAM−5 (Uniprot: Q9UMF0, ProbeID: 5124−69_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Intercellular adhesion molecule 5

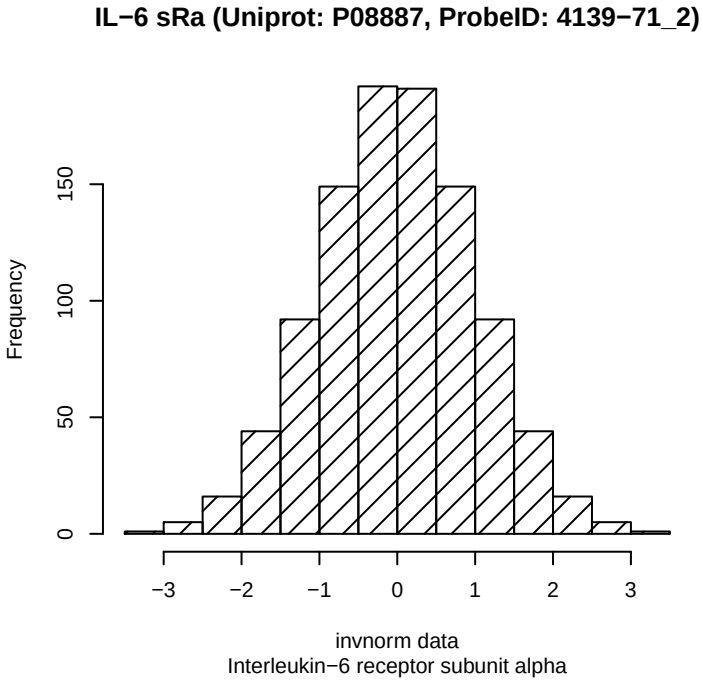

sICAM−5 (Uniprot: Q9UMF0, ProbeID: 5124−69_3)
invnorm data
−3
−2
−1
0
1
2
3
A/A (312)
A/G (508)
G/G (177)
rs5498 (Chr19:10395683)
Locus 1 sentinel (CIS), p=2.4e−32

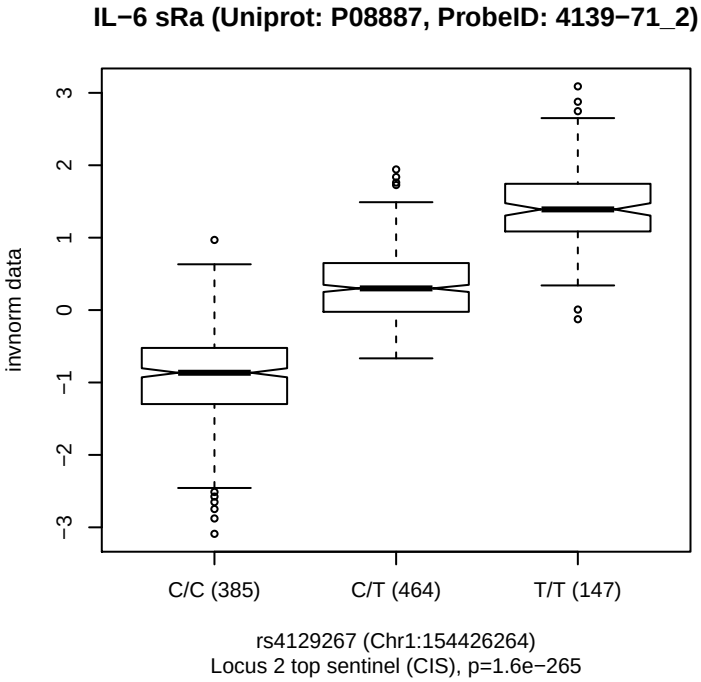

IL−6 sRa (Uniprot: P08887, ProbeID: 4139−71_2)
Frequency
0
50
100
150
5000
10000
15000
20000
25000
30000
35000
raw data
Interleukin−6 receptor subunit alpha

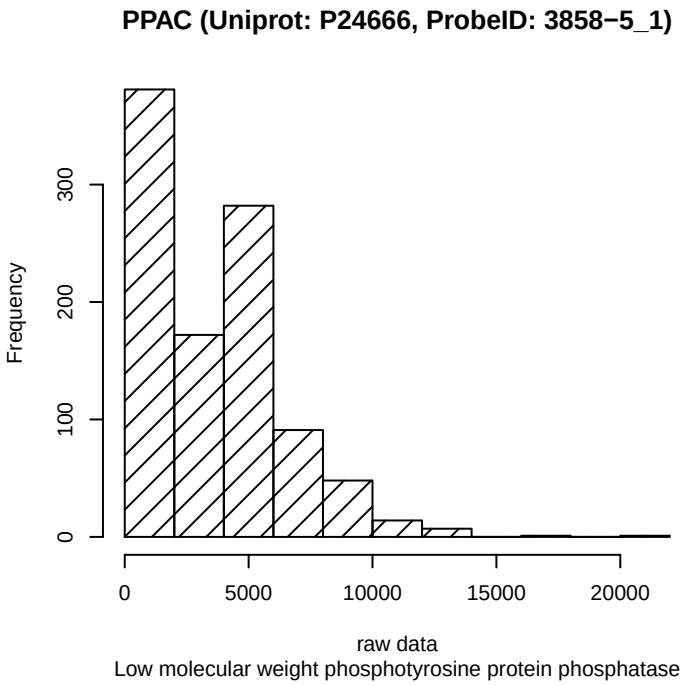

IL−6 sRa (Uniprot: P08887, ProbeID: 4139−71_2)
raw data
10000
15000
20000
25000
30000
35000
C/C (385)
C/T (464)
T/T (147)
rs4129267 (Chr1:154426264)
Locus 2 top sentinel (CIS), p=1.2e−294

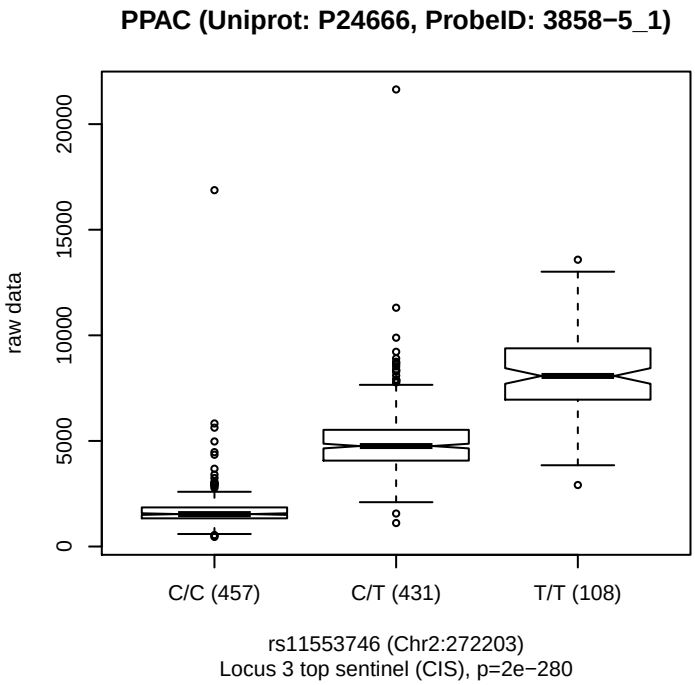

IL−6 sRa (Uniprot: P08887, ProbeID: 4139−71_2)
Frequency
0
50
100
150
200
250
13.0
13.5
14.0
14.5
15.0
log2−scaled data
Interleukin−6 receptor subunit alpha

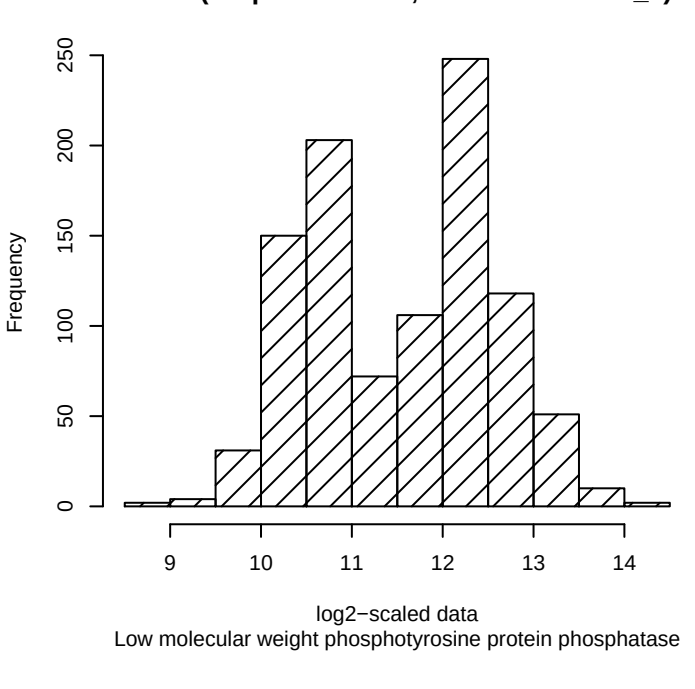

IL−6 sRa (Uniprot: P08887, ProbeID: 4139−71_2)
log2−scaled data
13.0
13.5
14.0
14.5
15.0
C/C (385)
C/T (464)
T/T (147)
rs4129267 (Chr1:154426264)
Locus 2 top sentinel (CIS), p=6.1e−284, FC=1.3217

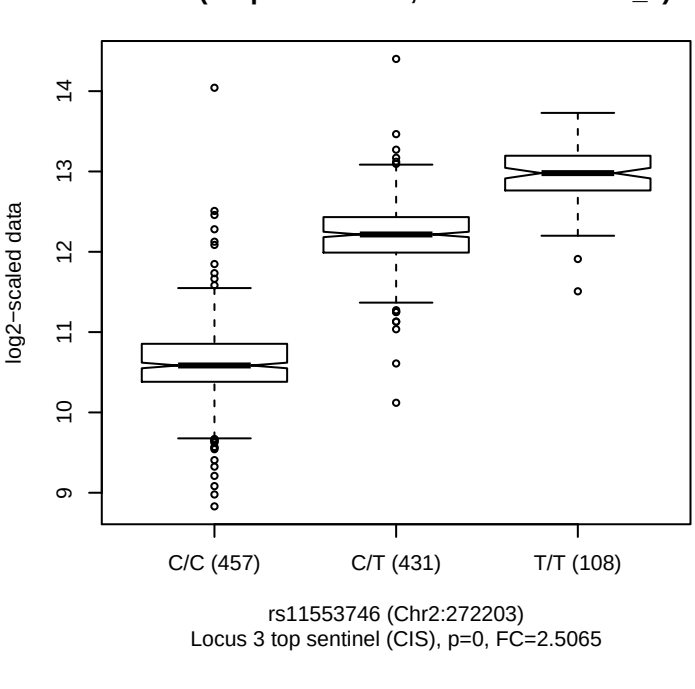

IL−6 sRa (Uniprot: P08887, ProbeID: 4139−71_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−6 receptor subunit alpha

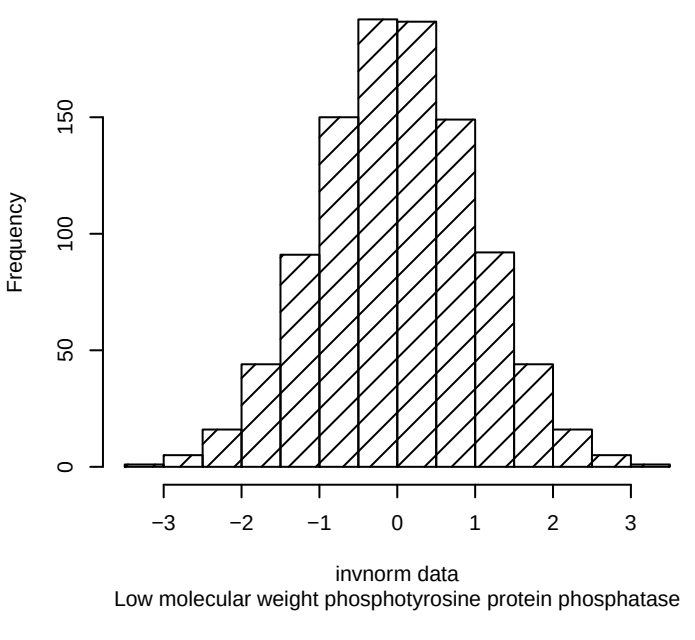

IL−6 sRa (Uniprot: P08887, ProbeID: 4139−71_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (385)
C/T (464)
T/T (147)
rs4129267 (Chr1:154426264)
Locus 2 top sentinel (CIS), p=1.6e−265

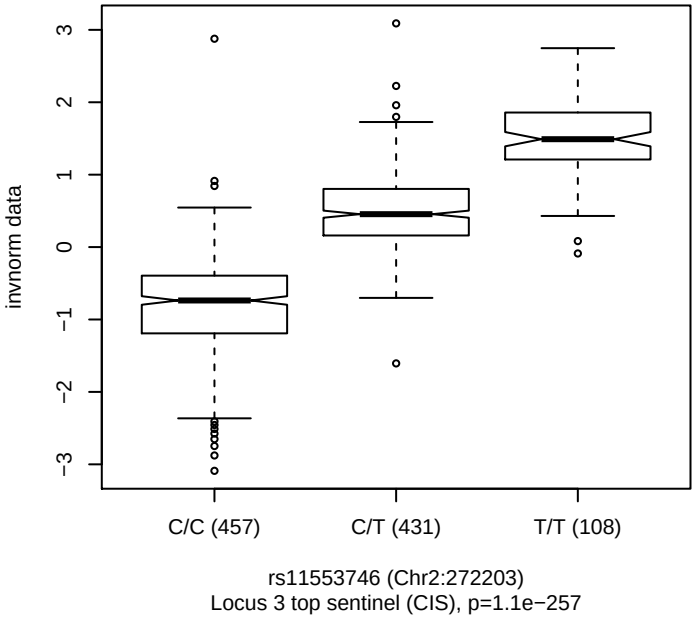

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
Frequency
0
100
200
300
0
5000
10000
15000
20000
raw data
Low molecular weight phosphotyrosine protein phosphatase

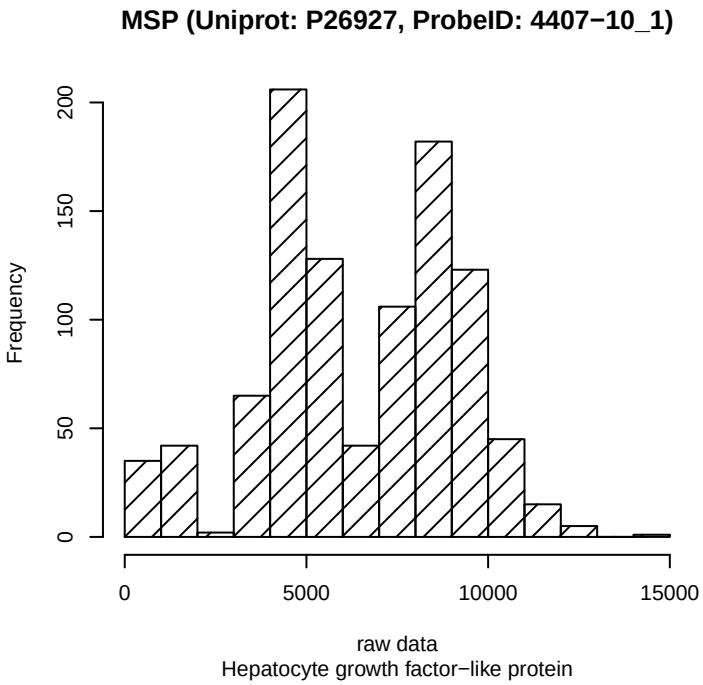

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
raw data
0
5000
10000
15000
20000
C/C (457)
C/T (431)
T/T (108)
rs11553746 (Chr2:272203)
Locus 3 top sentinel (CIS), p=2e−280

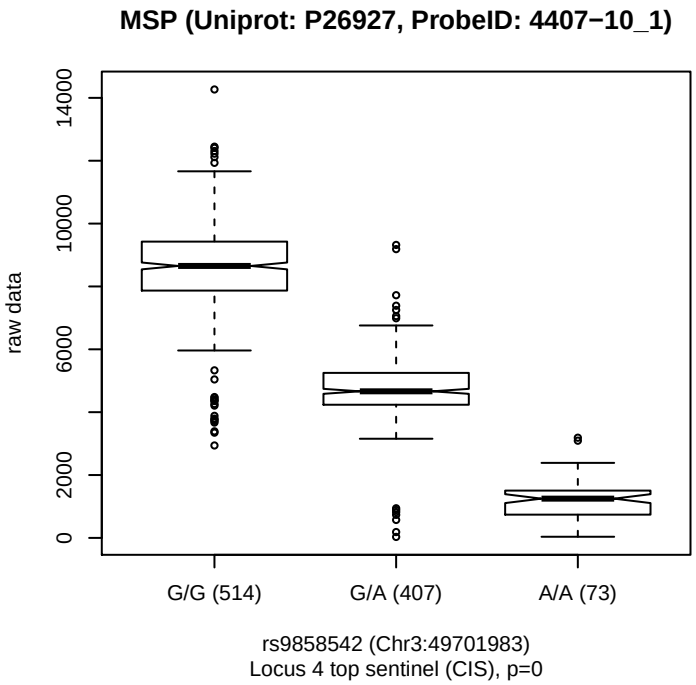

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
Frequency
0
50
100
150
200
250
9
10
11
12
13
14
log2−scaled data
Low molecular weight phosphotyrosine protein phosphatase

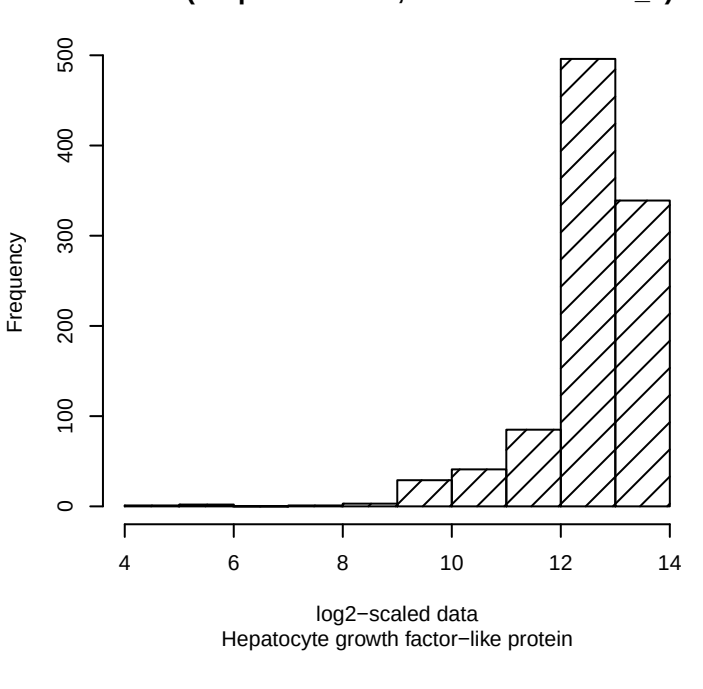

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
log2−scaled data
9
10
11
12
13
14
C/C (457)
C/T (431)
T/T (108)
rs11553746 (Chr2:272203)
Locus 3 top sentinel (CIS), p=0, FC=2.5065

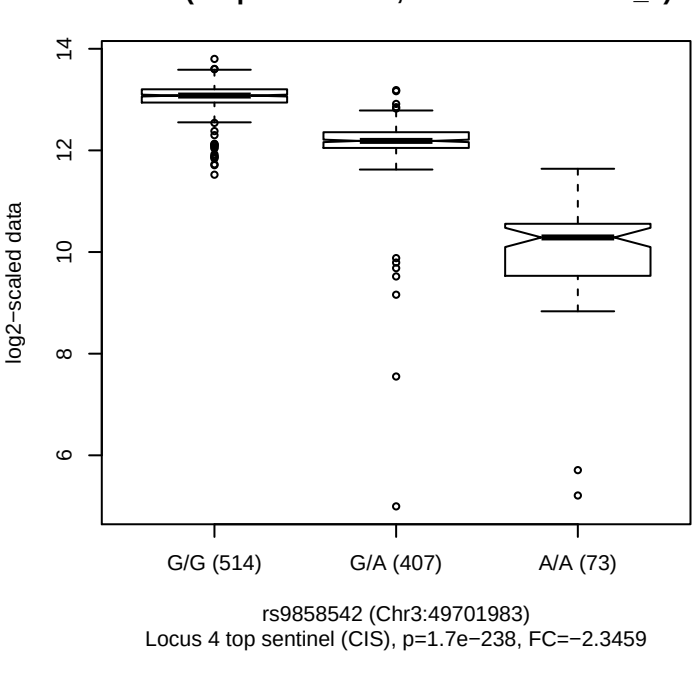

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Low molecular weight phosphotyrosine protein phosphatase

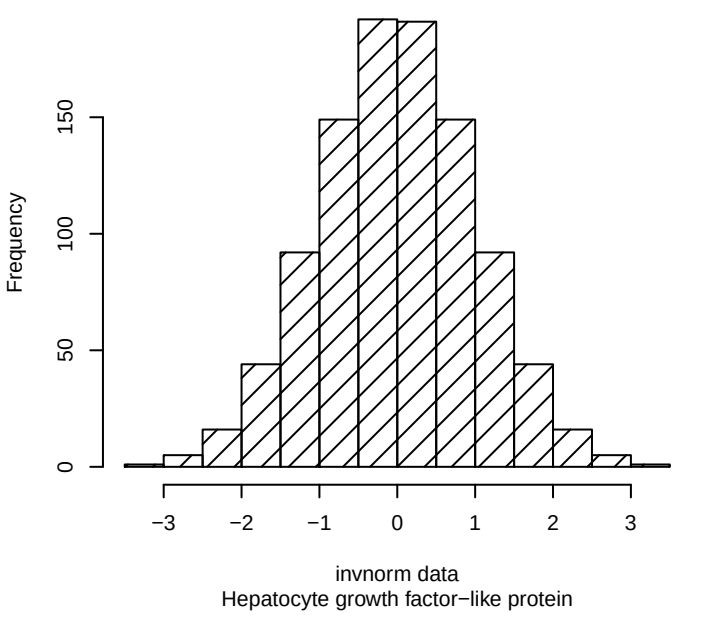

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
invnorm data
−3
−2
−1
0
1
2
3
C/C (457)
C/T (431)
T/T (108)
rs11553746 (Chr2:272203)
Locus 3 top sentinel (CIS), p=1.1e−257

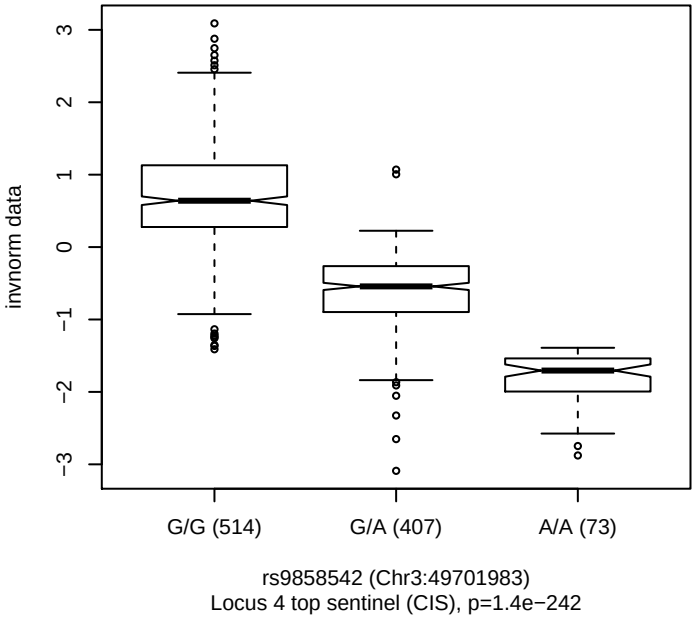

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
Frequency
0
50
100
150
200
0
5000
10000
15000
raw data
Hepatocyte growth factor−like protein

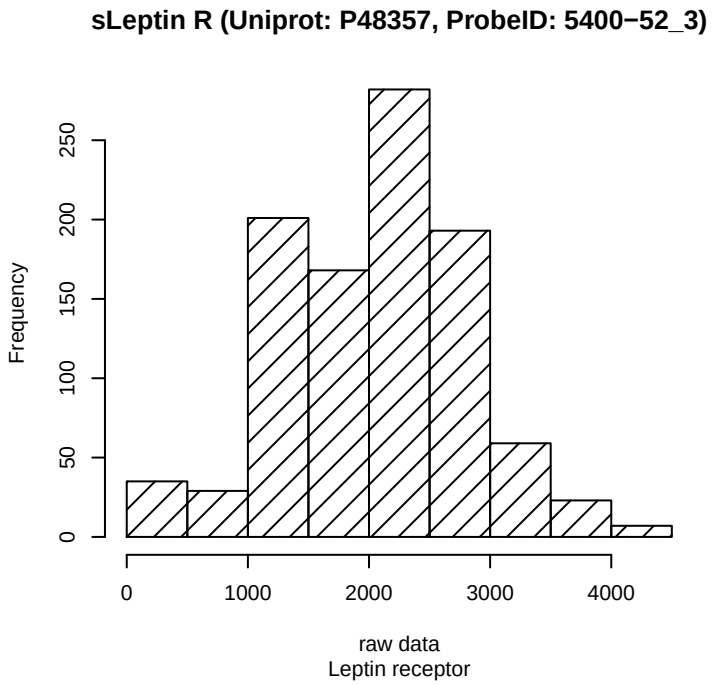

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
raw data
0
2000
6000
10000
14000
G/G (514)
G/A (407)
A/A (73)
rs9858542 (Chr3:49701983)
Locus 4 top sentinel (CIS), p=0

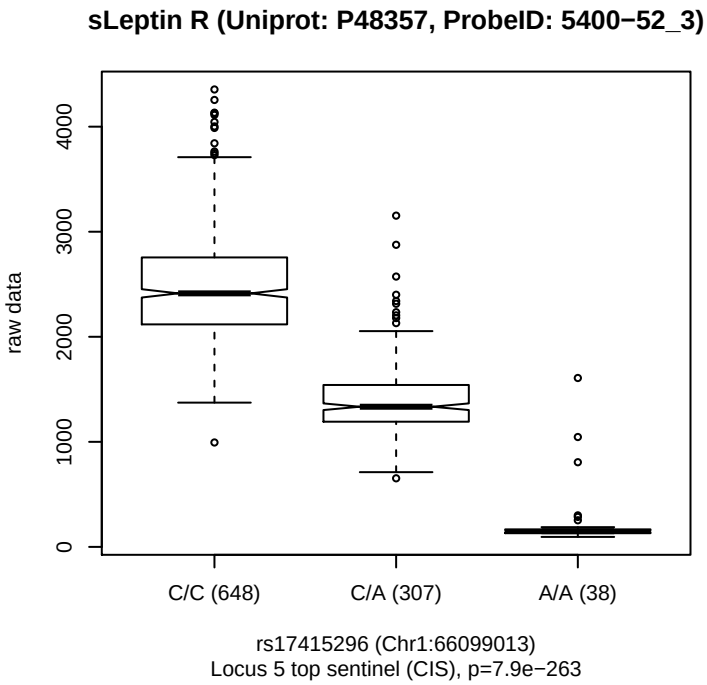

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
Frequency
0
100
200
300
400
500
4
6
8
10
12
14
log2−scaled data
Hepatocyte growth factor−like protein

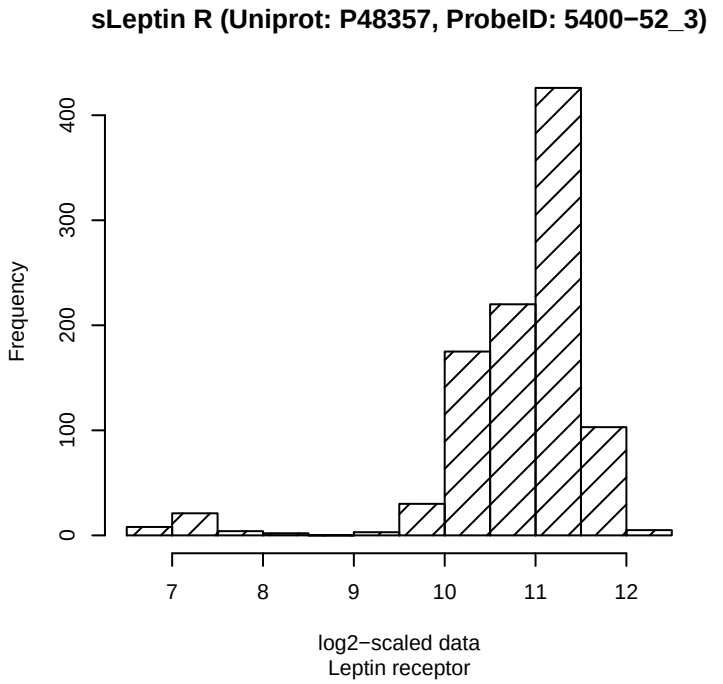

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
log2−scaled data
6
8
10
12
14
G/G (514)
G/A (407)
A/A (73)
rs9858542 (Chr3:49701983)
Locus 4 top sentinel (CIS), p=1.7e−238, FC=−2.3459

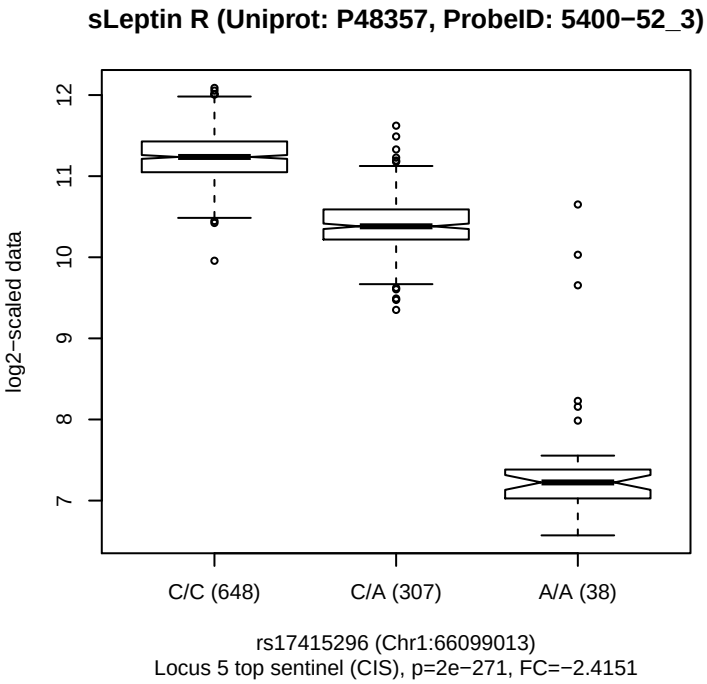

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Hepatocyte growth factor−like protein

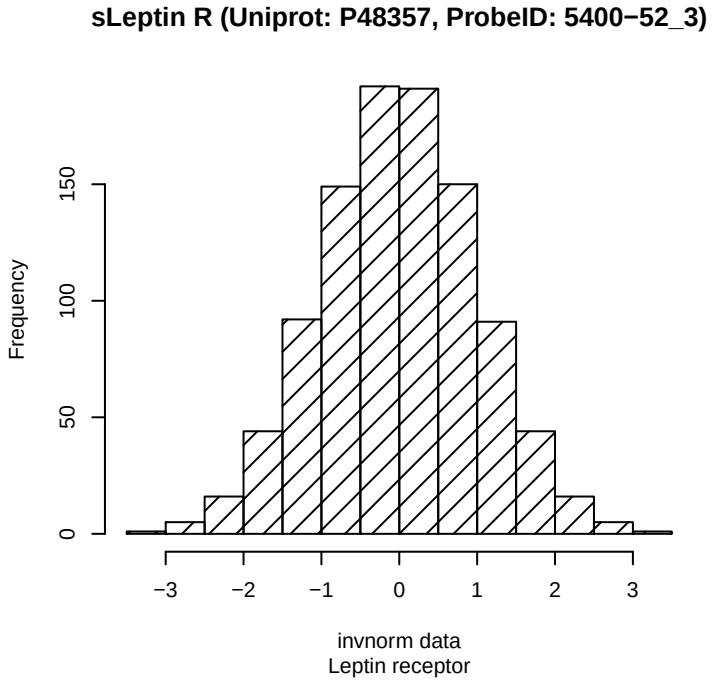

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
invnorm data
−3
−2
−1
0
1
2
3
G/G (514)
G/A (407)
A/A (73)
rs9858542 (Chr3:49701983)
Locus 4 top sentinel (CIS), p=1.4e−242

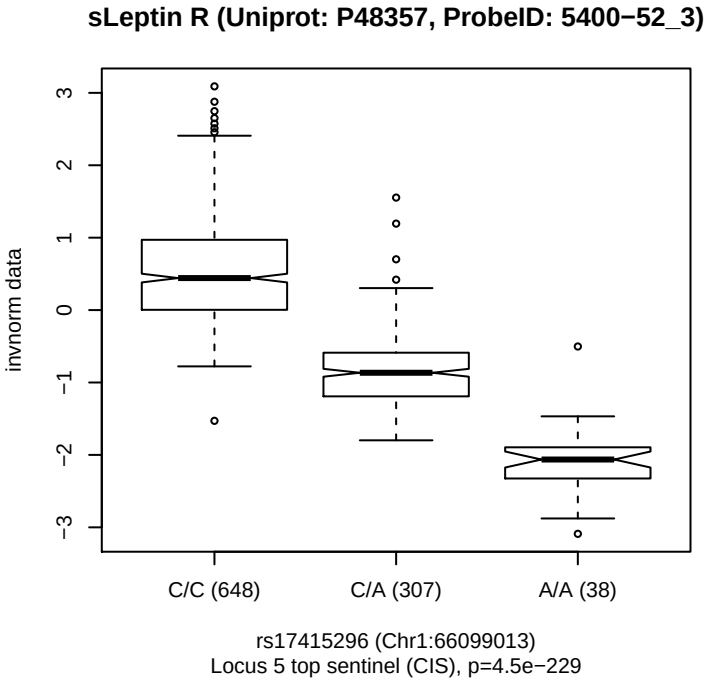

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
Frequency
0
50
100
150
200
250
0
1000
2000
3000
4000
raw data
Leptin receptor

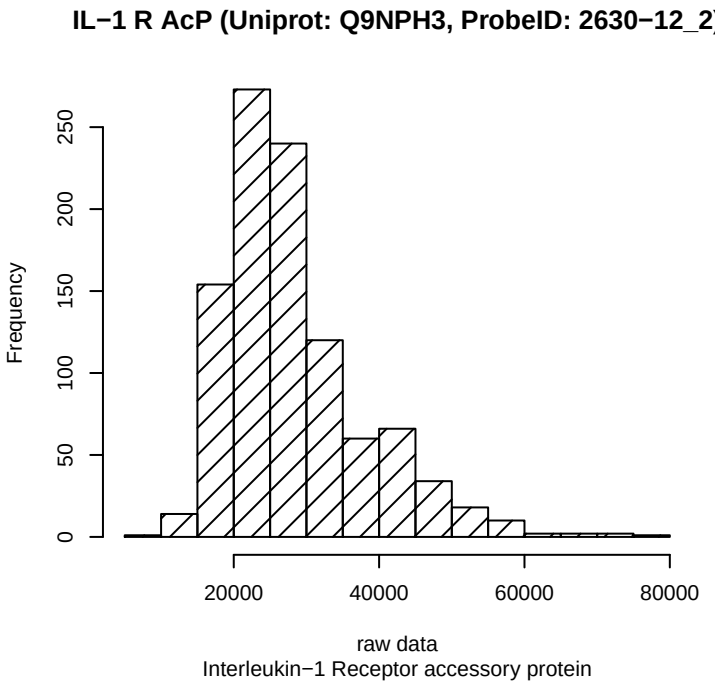

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
raw data
0
1000
2000
3000
4000
C/C (648)
C/A (307)
A/A (38)
rs17415296 (Chr1:66099013)
Locus 5 top sentinel (CIS), p=7.9e−263

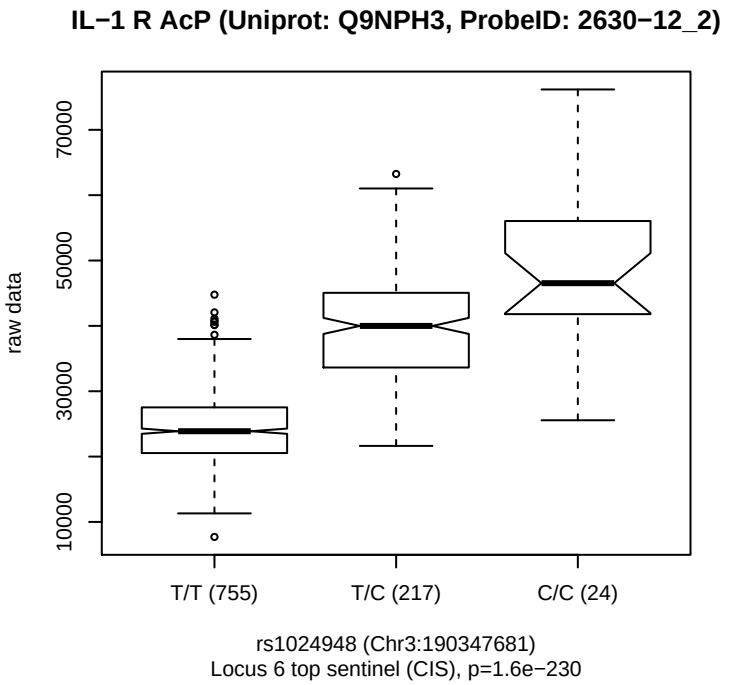

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
Frequency
0
100
200
300
400
7
8
9
10
11
12
log2−scaled data
Leptin receptor

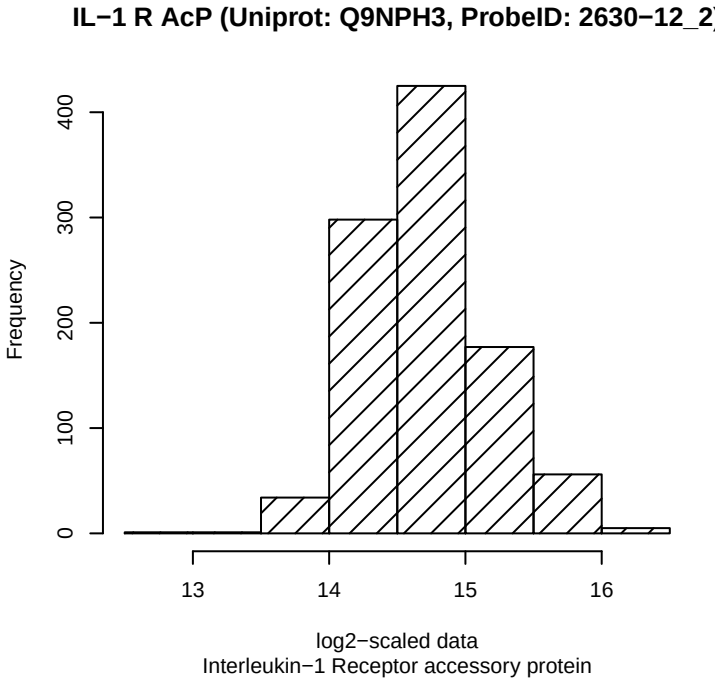

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
log2−scaled data
7
8
9
10
11
12
C/C (648)
C/A (307)
A/A (38)
rs17415296 (Chr1:66099013)
Locus 5 top sentinel (CIS), p=2e−271, FC=−2.4151

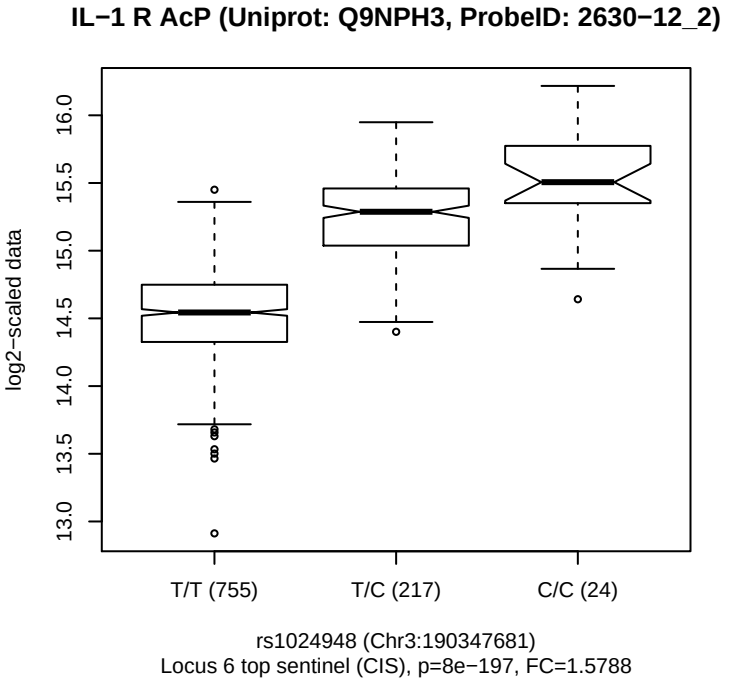

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Leptin receptor

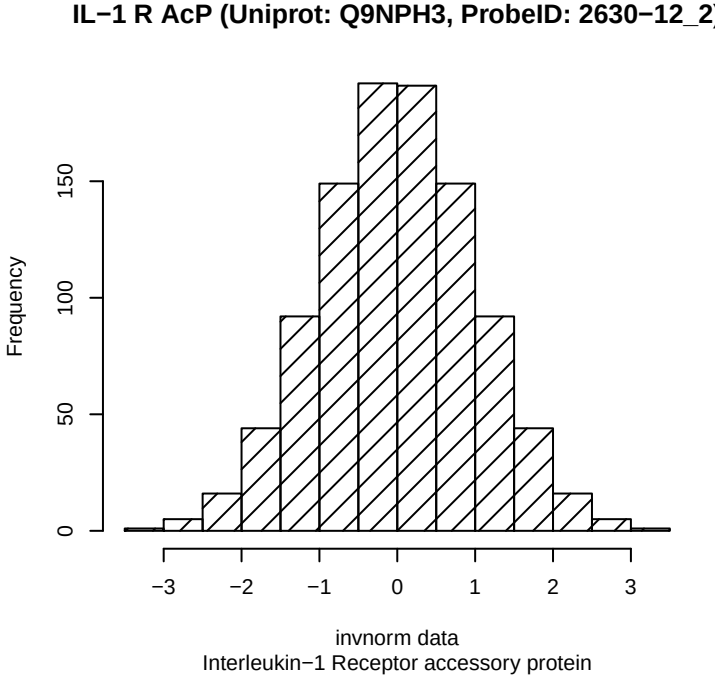

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
invnorm data
−3
−2
−1
0
1
2
3
C/C (648)
C/A (307)
A/A (38)
rs17415296 (Chr1:66099013)
Locus 5 top sentinel (CIS), p=4.5e−229

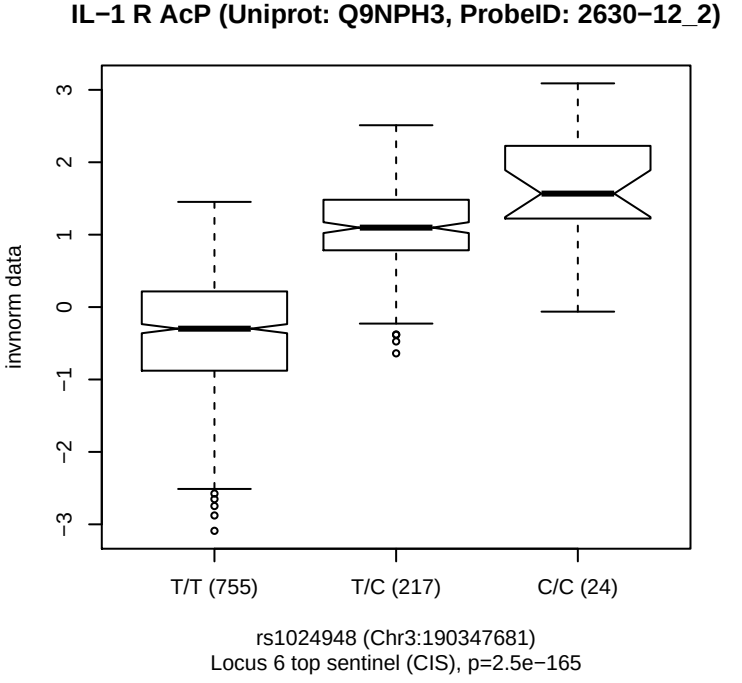

IL−1 R AcP (Uniprot: Q9NPH3, ProbeID: 2630−12_2)
Frequency
0
50
100
150
200
250
20000
40000
60000
80000
raw data
Interleukin−1 Receptor accessory protein

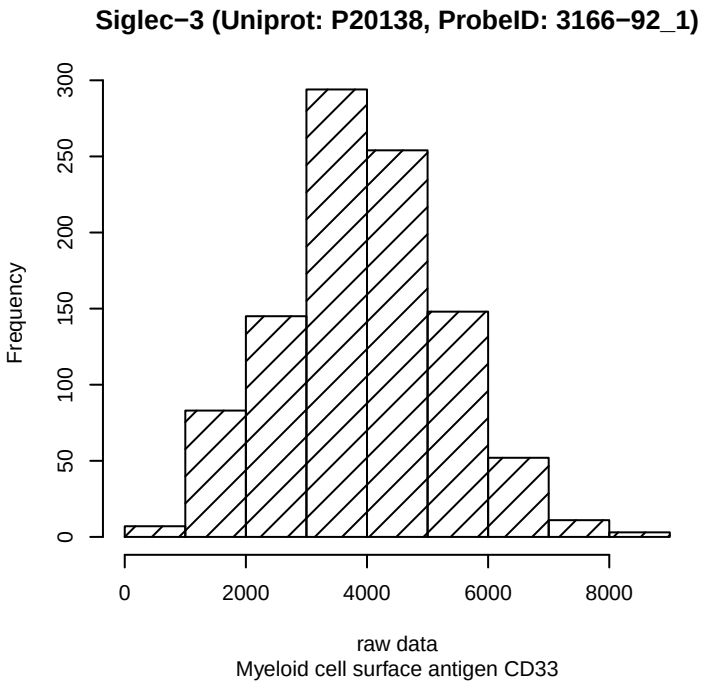

IL−1 R AcP (Uniprot: Q9NPH3, ProbeID: 2630−12_2)
raw data
10000
30000
50000
70000
T/T (755)
T/C (217)
C/C (24)
rs1024948 (Chr3:190347681)
Locus 6 top sentinel (CIS), p=1.6e−230

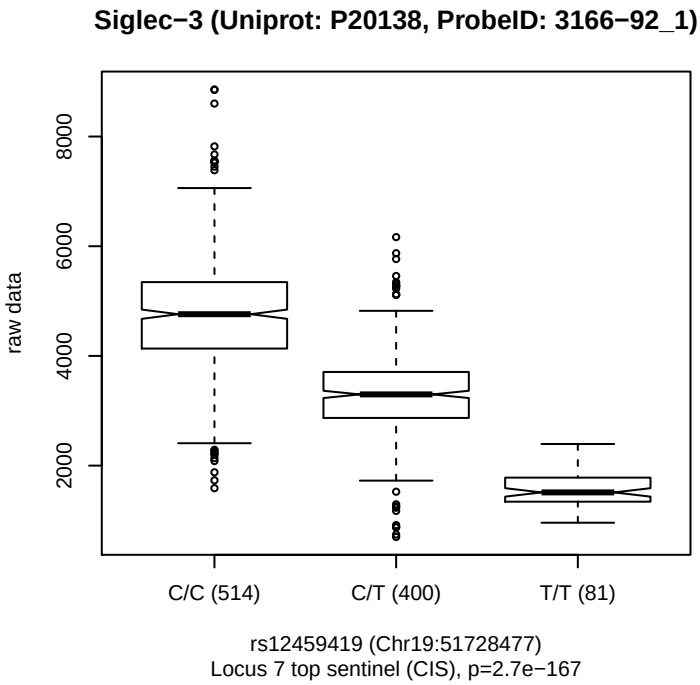

IL−1 R AcP (Uniprot: Q9NPH3, ProbeID: 2630−12_2)
Frequency
0
100
200
300
400
13
14
15
16
log2−scaled data
Interleukin−1 Receptor accessory protein

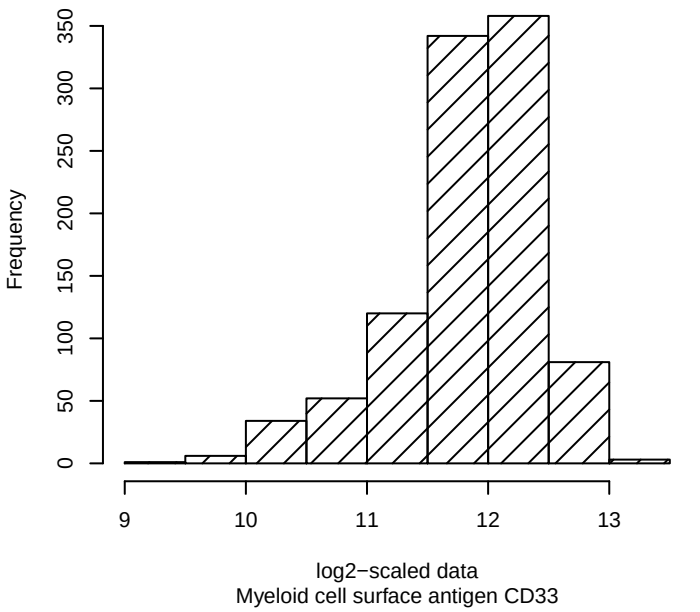

IL−1 R AcP (Uniprot: Q9NPH3, ProbeID: 2630−12_2)
log2−scaled data
13.0
13.5
14.0
14.5
15.0
15.5
16.0
T/T (755)
T/C (217)
C/C (24)
rs1024948 (Chr3:190347681)
Locus 6 top sentinel (CIS), p=8e−197, FC=1.5788

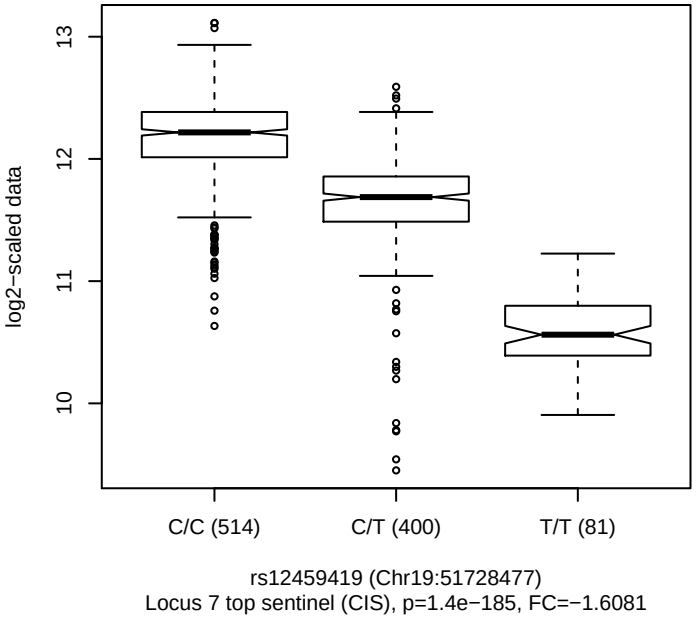

IL−1 R AcP (Uniprot: Q9NPH3, ProbeID: 2630−12_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−1 Receptor accessory protein

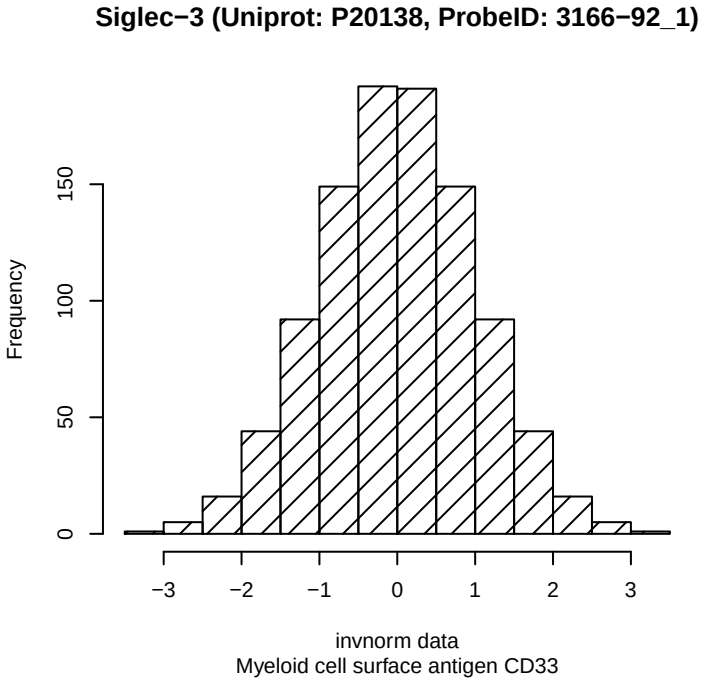

IL−1 R AcP (Uniprot: Q9NPH3, ProbeID: 2630−12_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (755)
T/C (217)
C/C (24)
rs1024948 (Chr3:190347681)
Locus 6 top sentinel (CIS), p=2.5e−165

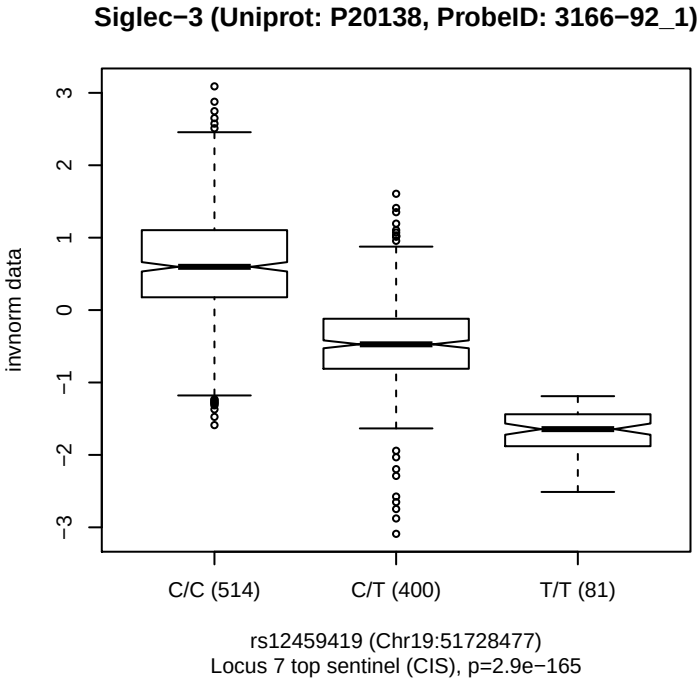

Siglec−3 (Uniprot: P20138, ProbeID: 3166−92_1)
Frequency
0
50
100
150
200
250
300
0
2000
4000
6000
8000
raw data
Myeloid cell surface antigen CD33

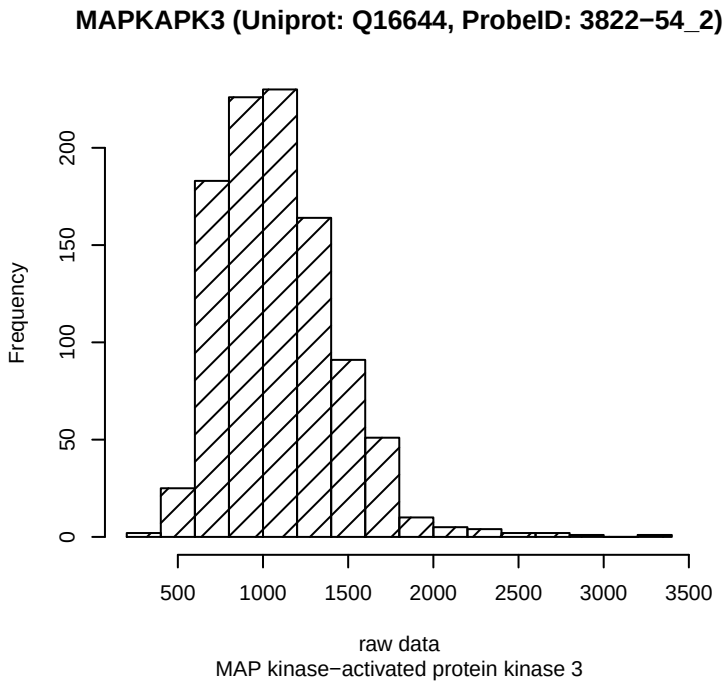

Siglec−3 (Uniprot: P20138, ProbeID: 3166−92_1)
raw data
2000
4000
6000
8000
C/C (514)
C/T (400)
T/T (81)
rs12459419 (Chr19:51728477)
Locus 7 top sentinel (CIS), p=2.7e−167

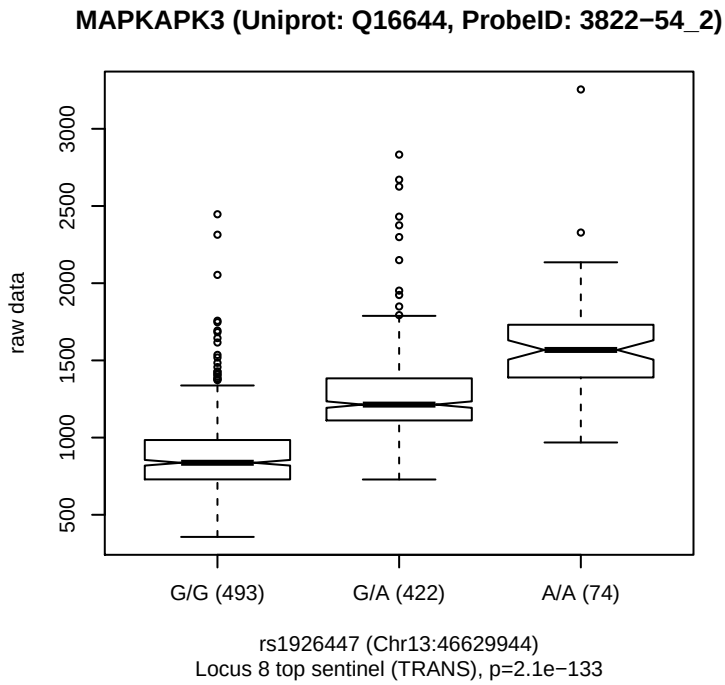

Siglec−3 (Uniprot: P20138, ProbeID: 3166−92_1)
Frequency
0
50
100
150
200
250
300
350
9
10
11
12
13
log2−scaled data
Myeloid cell surface antigen CD33

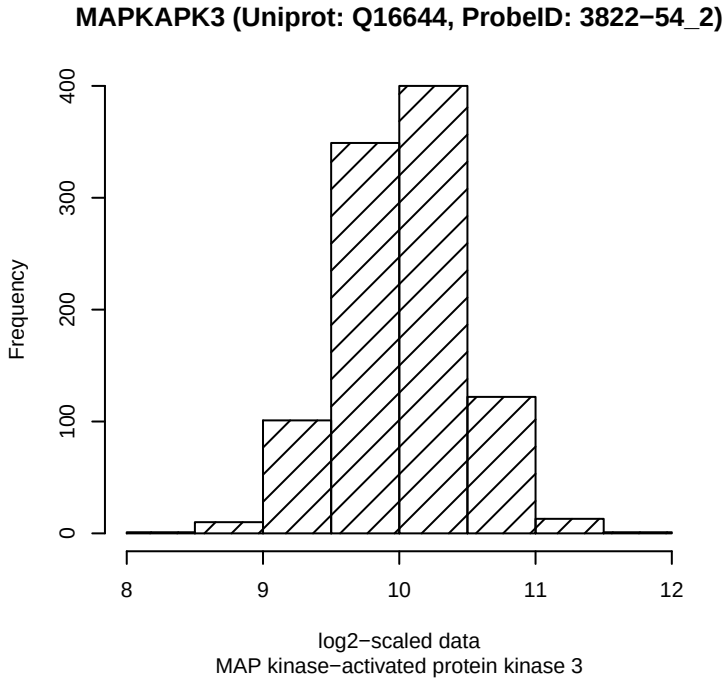

Siglec−3 (Uniprot: P20138, ProbeID: 3166−92_1)
log2−scaled data
10
11
12
13
C/C (514)
C/T (400)
T/T (81)
rs12459419 (Chr19:51728477)
Locus 7 top sentinel (CIS), p=1.4e−185, FC=−1.6081

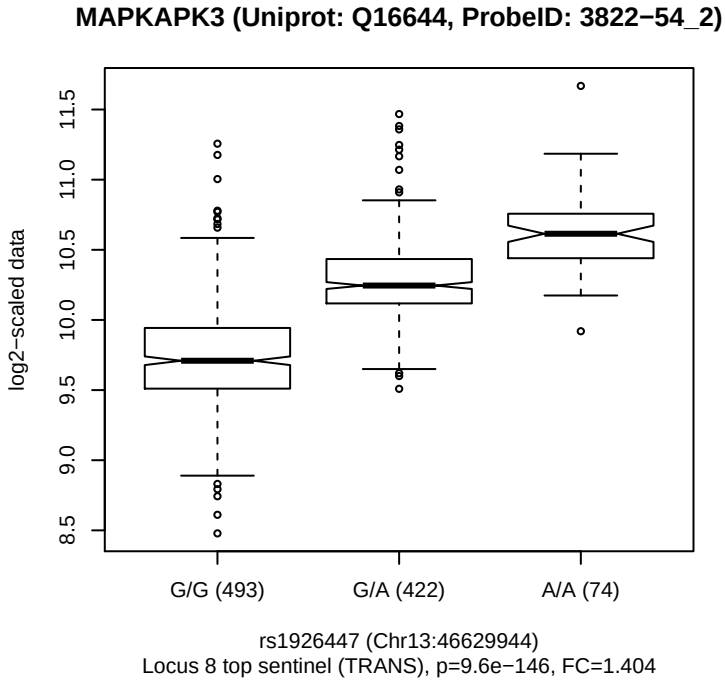

Siglec−3 (Uniprot: P20138, ProbeID: 3166−92_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Myeloid cell surface antigen CD33

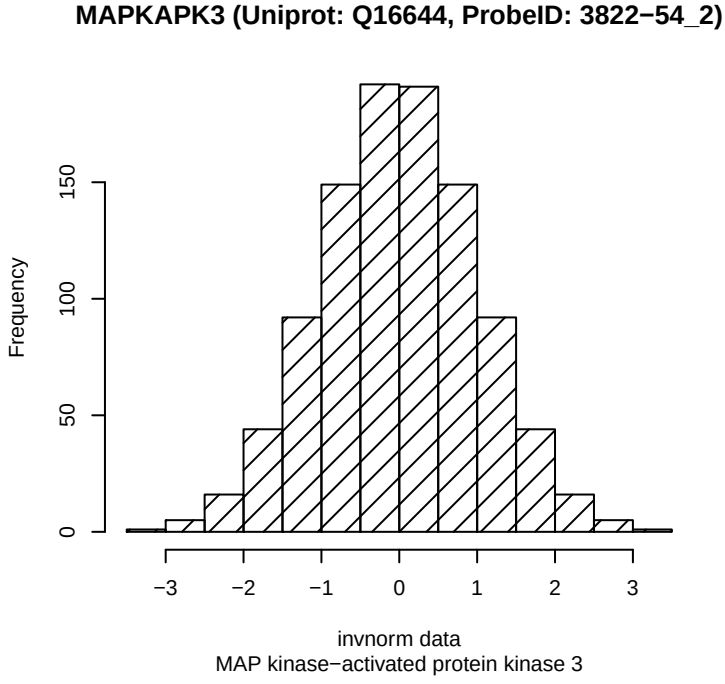

Siglec−3 (Uniprot: P20138, ProbeID: 3166−92_1)
invnorm data
−3
−2
−1
0
1
2
3
C/C (514)
C/T (400)
T/T (81)
rs12459419 (Chr19:51728477)
Locus 7 top sentinel (CIS), p=2.9e−165

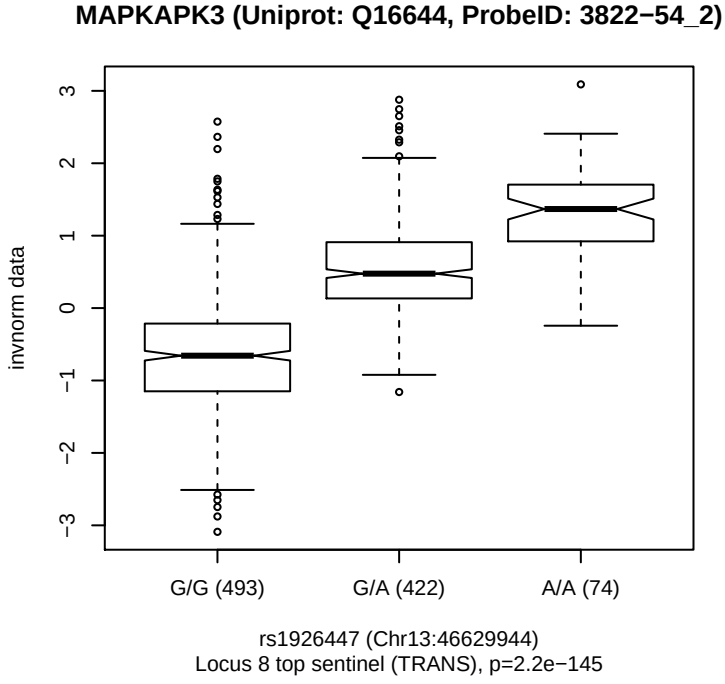

MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)
Frequency
0
50
100
150
200
500
1000
1500
2000
2500
3000
3500
raw data
MAP kinase−activated protein kinase 3

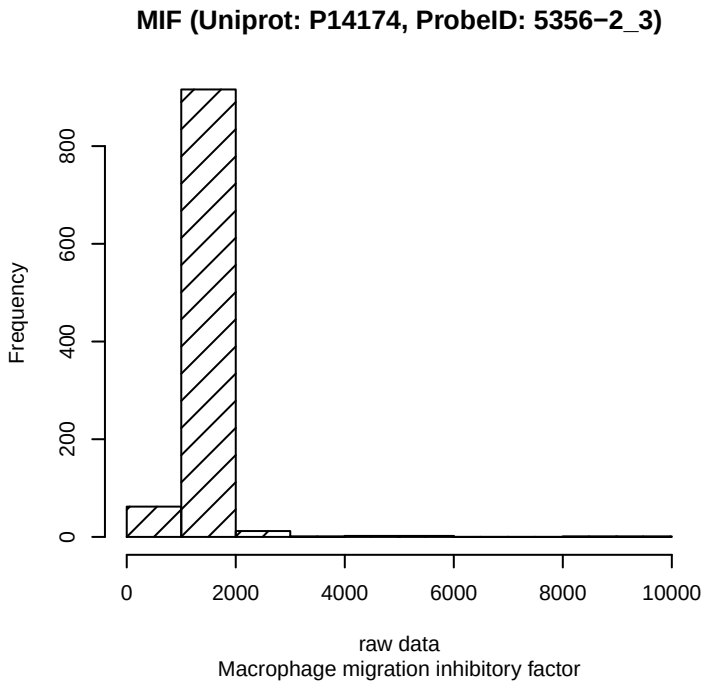

MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)
raw data
500
1000
1500
2000
2500
3000
G/G (493)
G/A (422)
A/A (74)
rs1926447 (Chr13:46629944)
Locus 8 top sentinel (TRANS), p=2.1e−133

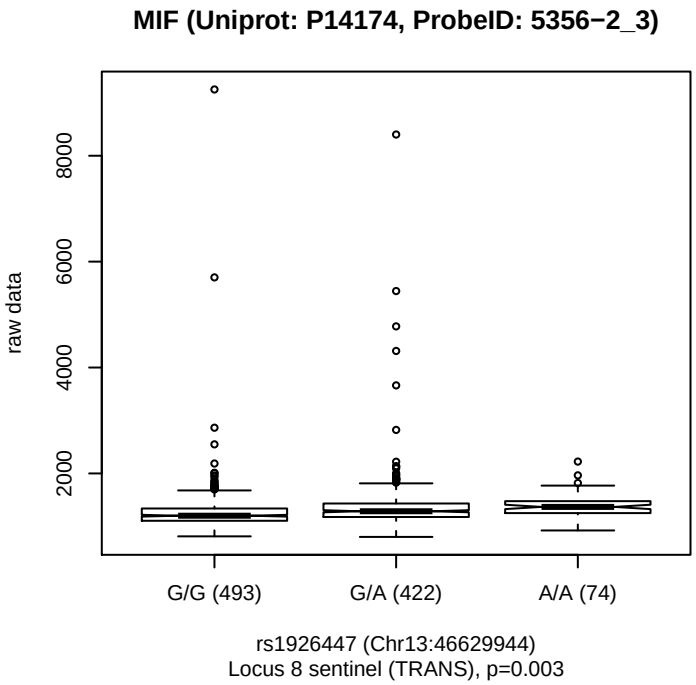

MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)
Frequency
0
100
200
300
400
8
9
10
11
12
log2−scaled data
MAP kinase−activated protein kinase 3

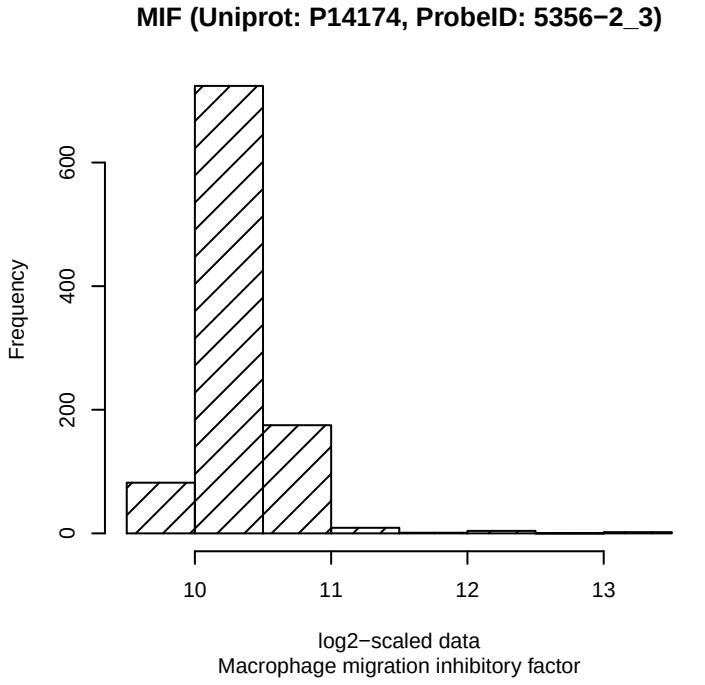

MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)
log2−scaled data
8.5
9.0
9.5
10.0
10.5
11.0
11.5
G/G (493)
G/A (422)
A/A (74)
rs1926447 (Chr13:46629944)
Locus 8 top sentinel (TRANS), p=9.6e−146, FC=1.404

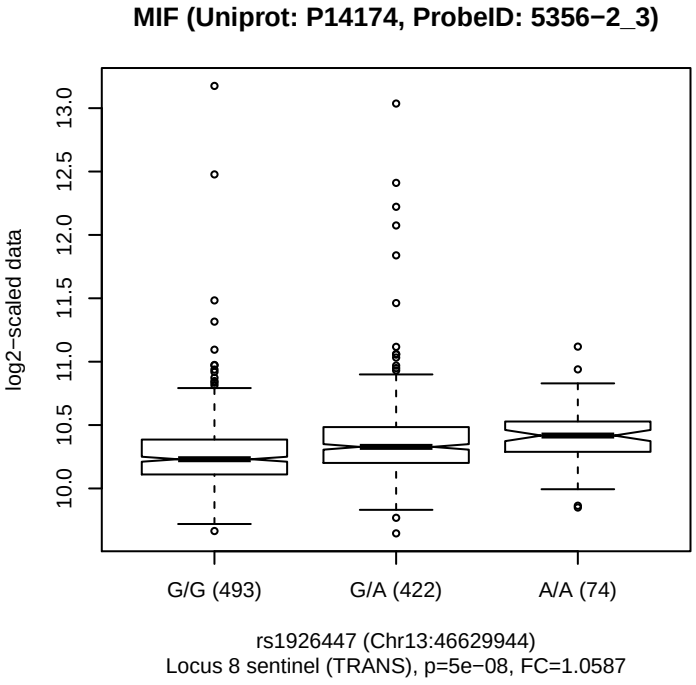

MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
MAP kinase−activated protein kinase 3

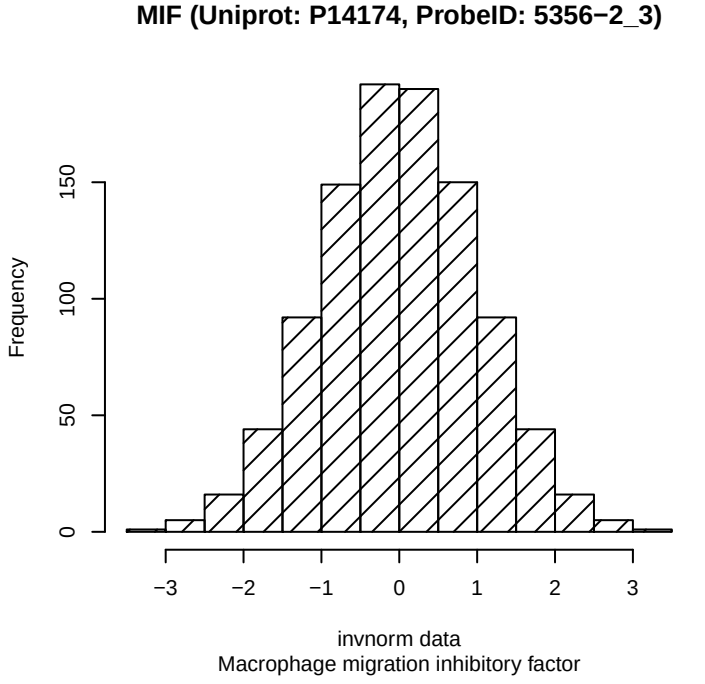

MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (493)
G/A (422)
A/A (74)
rs1926447 (Chr13:46629944)
Locus 8 top sentinel (TRANS), p=2.2e−145

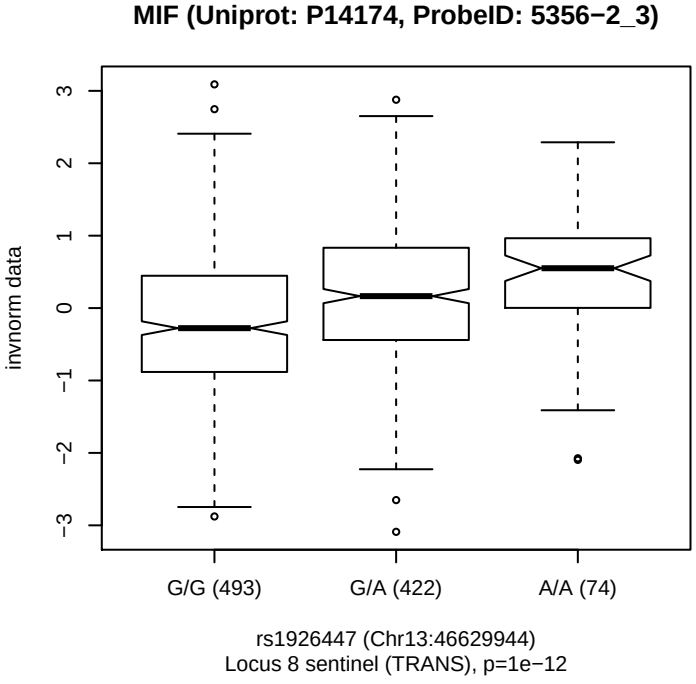

MIF (Uniprot: P14174, ProbeID: 5356−2_3)
Frequency
0
200
400
600
800
0
2000
4000
6000
8000
10000
raw data
Macrophage migration inhibitory factor

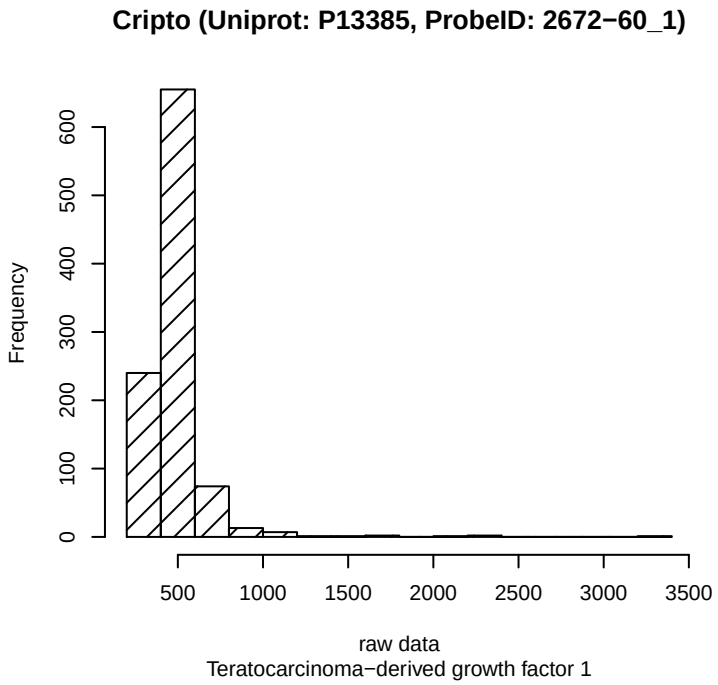

MIF (Uniprot: P14174, ProbeID: 5356−2_3)
raw data
2000
4000
6000
8000
G/G (493)
G/A (422)
A/A (74)
rs1926447 (Chr13:46629944)
Locus 8 sentinel (TRANS), p=0.003

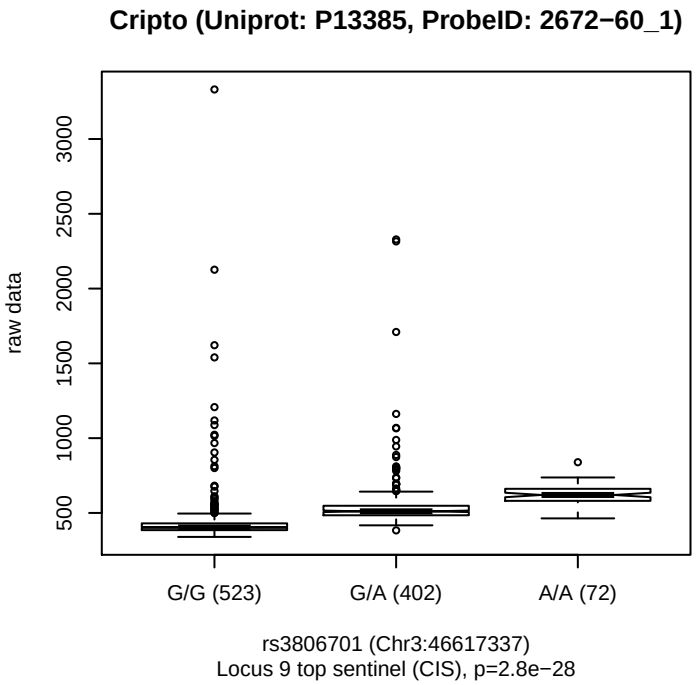

MIF (Uniprot: P14174, ProbeID: 5356−2_3)
Frequency
0
200
400
600
10
11
12
13
log2−scaled data
Macrophage migration inhibitory factor

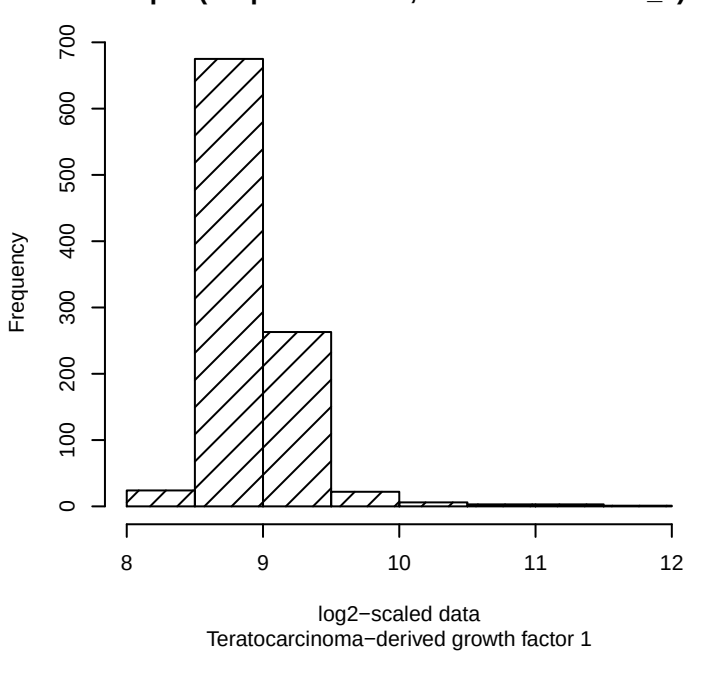

MIF (Uniprot: P14174, ProbeID: 5356−2_3)
log2−scaled data
10.0
10.5
11.0
11.5
12.0
12.5
13.0
G/G (493)
G/A (422)
A/A (74)
rs1926447 (Chr13:46629944)
Locus 8 sentinel (TRANS), p=5e−08, FC=1.0587

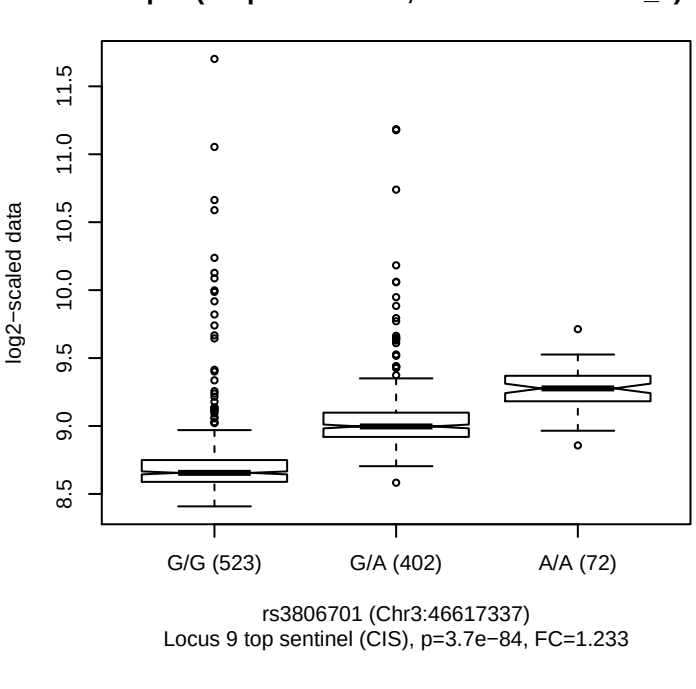

MIF (Uniprot: P14174, ProbeID: 5356−2_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Macrophage migration inhibitory factor

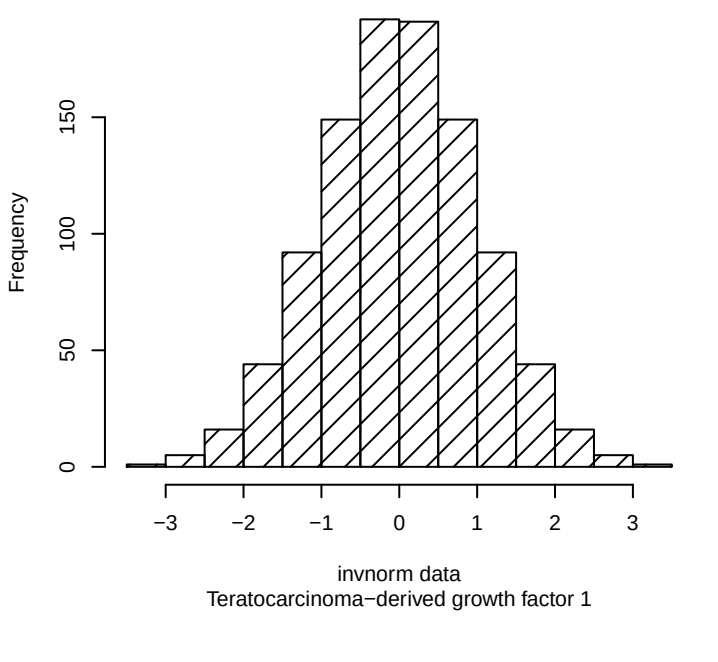

MIF (Uniprot: P14174, ProbeID: 5356−2_3)
invnorm data
−3
−2
−1
0
1
2
3
G/G (493)
G/A (422)
A/A (74)
rs1926447 (Chr13:46629944)
Locus 8 sentinel (TRANS), p=1e−12

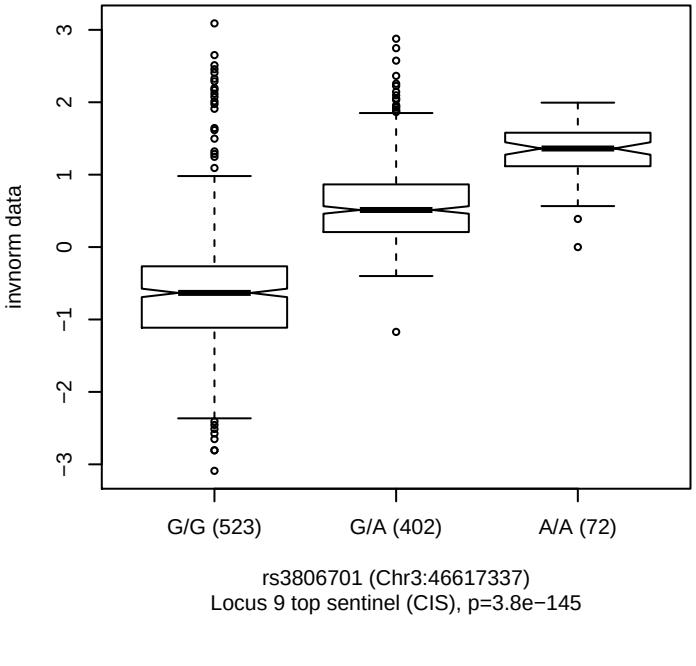

Cripto (Uniprot: P13385, ProbeID: 2672−60_1)
Frequency
0
100
200
300
400
500
600
500
1000
1500
2000
2500
3000
3500
raw data
Teratocarcinoma−derived growth factor 1

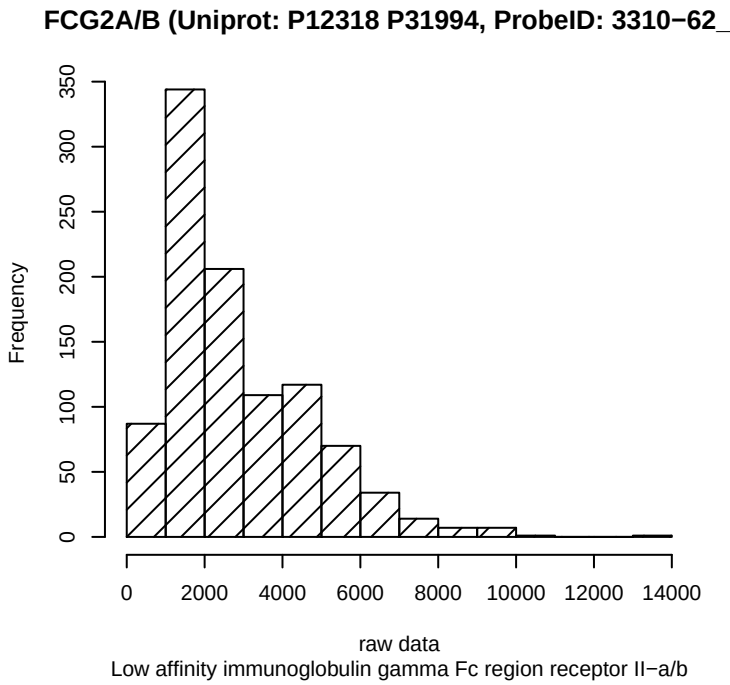

Cripto (Uniprot: P13385, ProbeID: 2672−60_1)
raw data
500
1000
1500
2000
2500
3000
G/G (523)
G/A (402)
A/A (72)
rs3806701 (Chr3:46617337)
Locus 9 top sentinel (CIS), p=2.8e−28

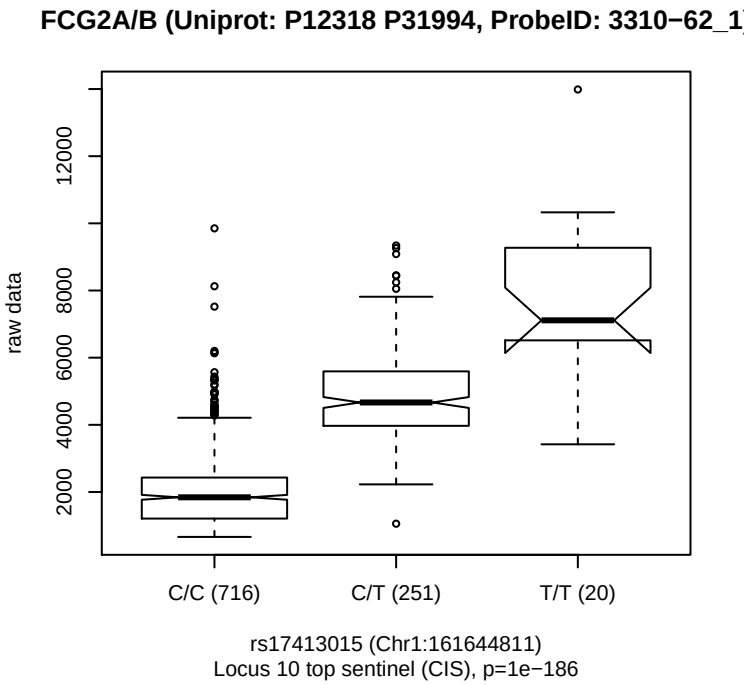

Cripto (Uniprot: P13385, ProbeID: 2672−60_1)
Frequency
0
100
200
300
400
500
600
700
8
9
10
11
12
log2−scaled data
Teratocarcinoma−derived growth factor 1

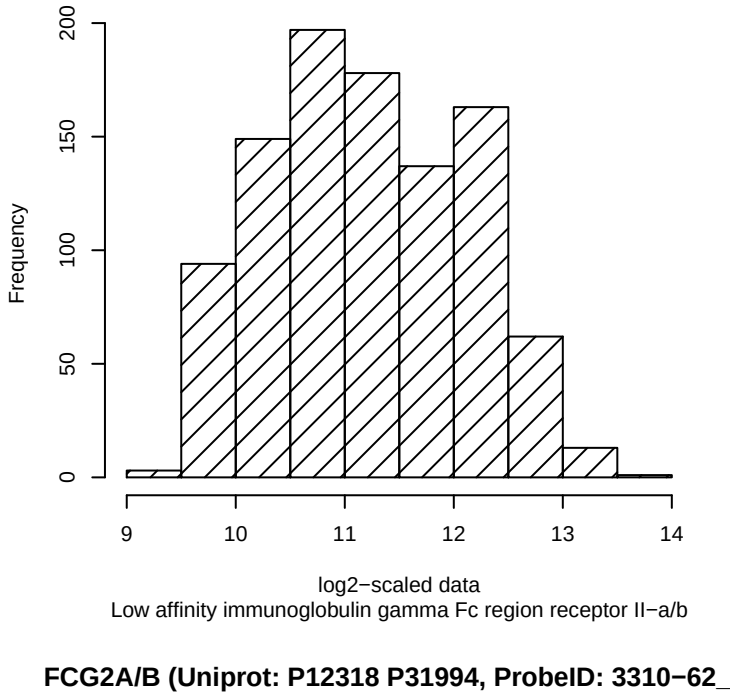

Cripto (Uniprot: P13385, ProbeID: 2672−60_1)
log2−scaled data
8.5
9.0
9.5
10.0
10.5
11.0
11.5
G/G (523)
G/A (402)
A/A (72)
rs3806701 (Chr3:46617337)
Locus 9 top sentinel (CIS), p=3.7e−84, FC=1.233

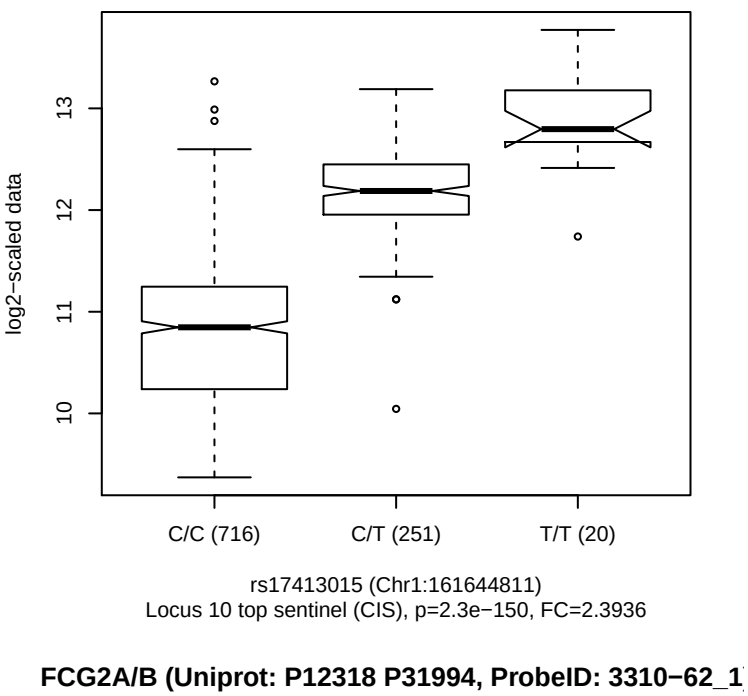

Cripto (Uniprot: P13385, ProbeID: 2672−60_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Teratocarcinoma−derived growth factor 1

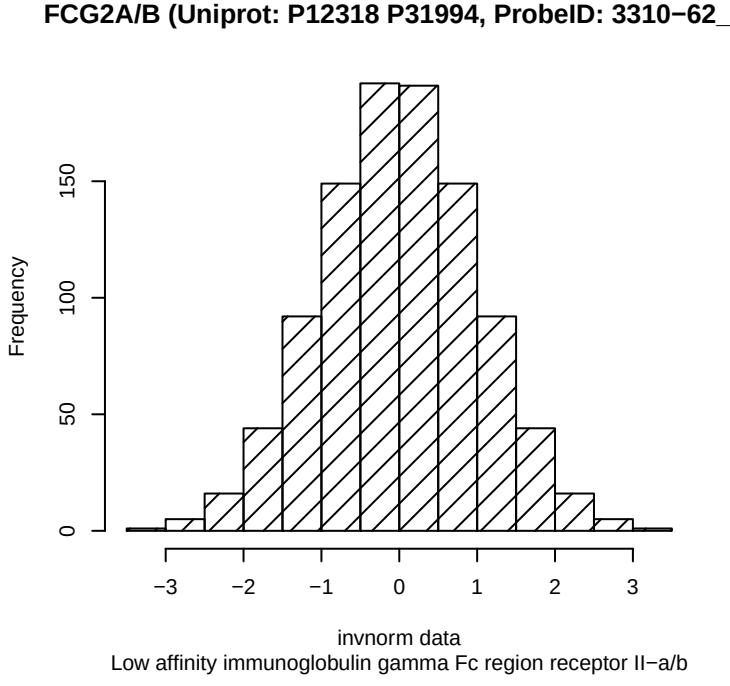

Cripto (Uniprot: P13385, ProbeID: 2672−60_1)
invnorm data
−3
−2
−1
0
1
2
3
G/G (523)
G/A (402)
A/A (72)
rs3806701 (Chr3:46617337)
Locus 9 top sentinel (CIS), p=3.8e−145

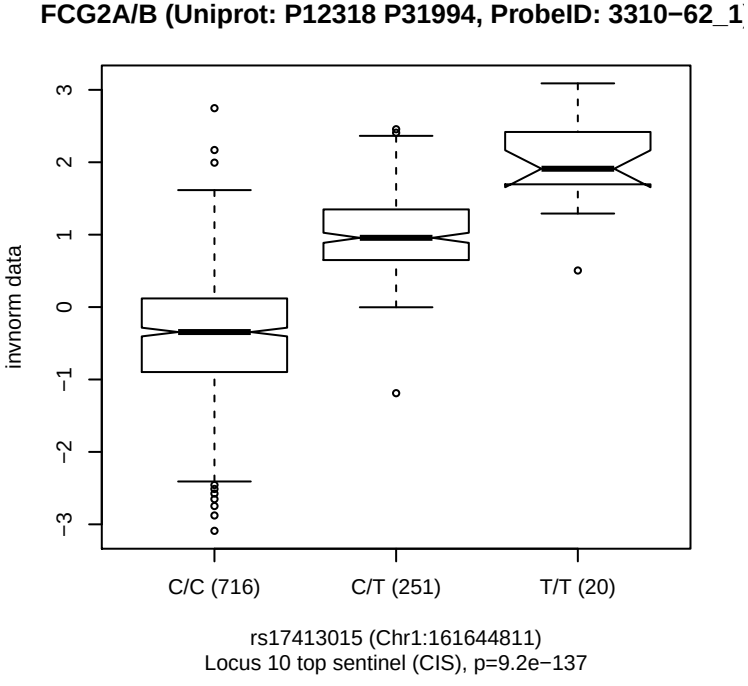

FCG2A/B (Uniprot: P12318 P31994, ProbeID: 3310−62_1
Frequency
0
50
100
150
200
250
300
350
0
2000
4000
6000
8000
10000
12000
14000
raw data
Low affinity immunoglobulin gamma Fc region receptor II−a/b

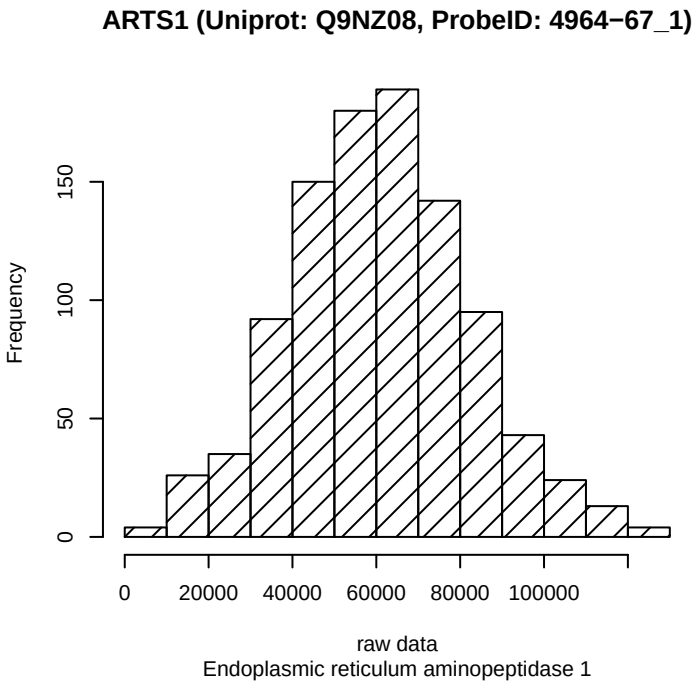

FCG2A/B (Uniprot: P12318 P31994, ProbeID: 3310−62_1
raw data
2000
4000
6000
8000
10000
12000
C/C (716)
C/T (251)
T/T (20)
rs17413015 (Chr1:161644811)
Locus 10 top sentinel (CIS), p=1e−186

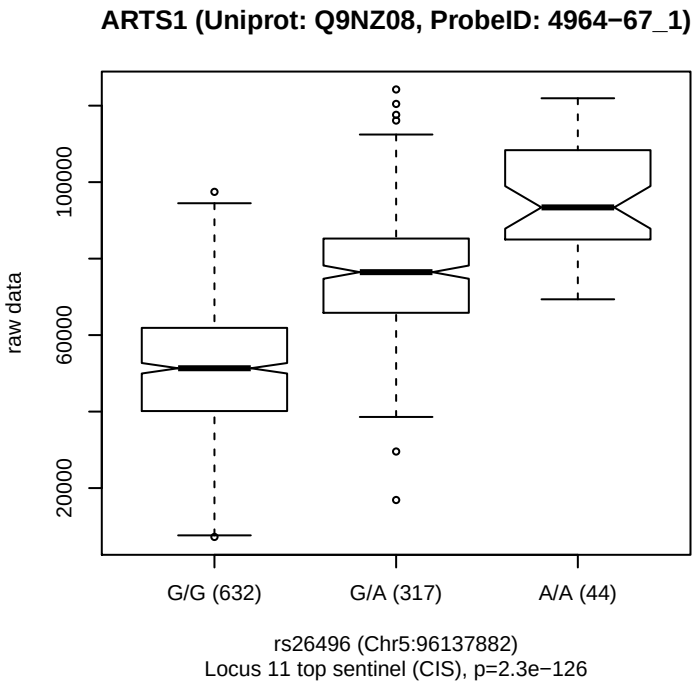

FCG2A/B (Uniprot: P12318 P31994, ProbeID: 3310−62_1
Frequency
0
50
100
150
200
9
10
11
12
13
14
log2−scaled data
Low affinity immunoglobulin gamma Fc region receptor II−a/b

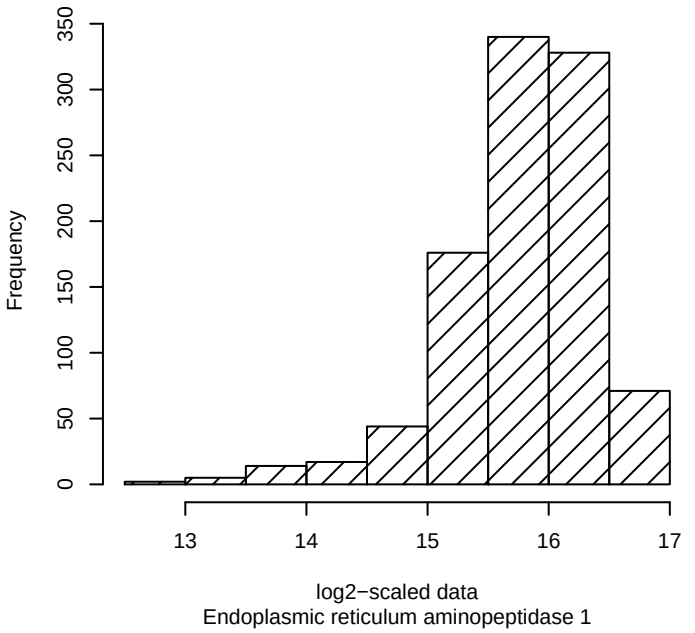

FCG2A/B (Uniprot: P12318 P31994, ProbeID: 3310−62_1
log2−scaled data
10
11
12
13
C/C (716)
C/T (251)
T/T (20)
rs17413015 (Chr1:161644811)
Locus 10 top sentinel (CIS), p=2.3e−150, FC=2.3936

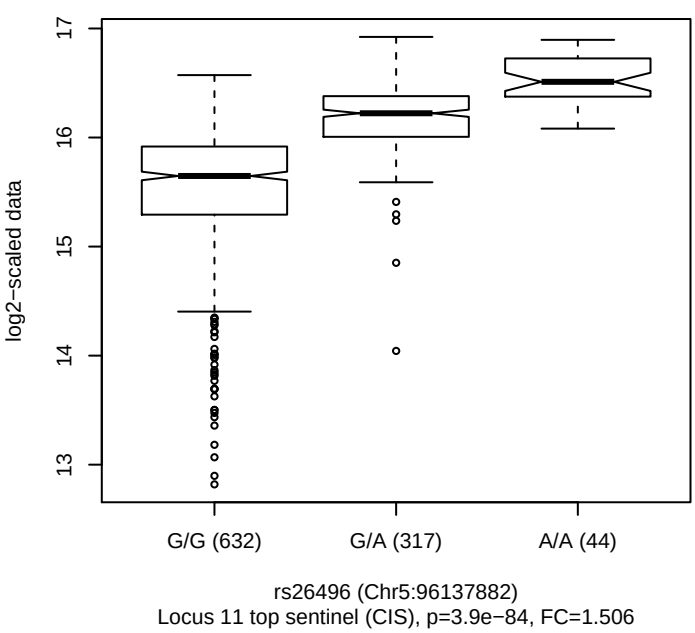

FCG2A/B (Uniprot: P12318 P31994, ProbeID: 3310−62_1
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Low affinity immunoglobulin gamma Fc region receptor II−a/b

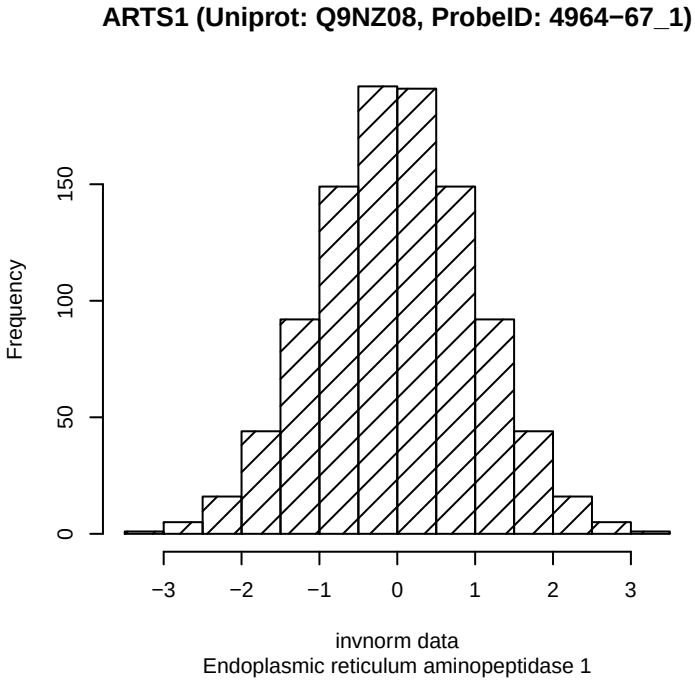

FCG2A/B (Uniprot: P12318 P31994, ProbeID: 3310−62_1
invnorm data
−3
−2
−1
0
1
2
3
C/C (716)
C/T (251)
T/T (20)
rs17413015 (Chr1:161644811)
Locus 10 top sentinel (CIS), p=9.2e−137

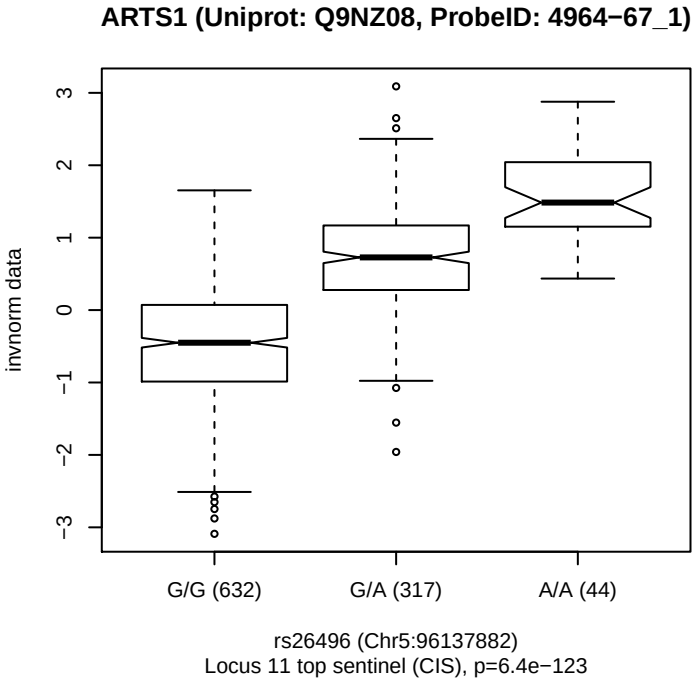

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
Frequency
0
50
100
150
0
20000
40000
60000
80000
100000
raw data
Endoplasmic reticulum aminopeptidase 1

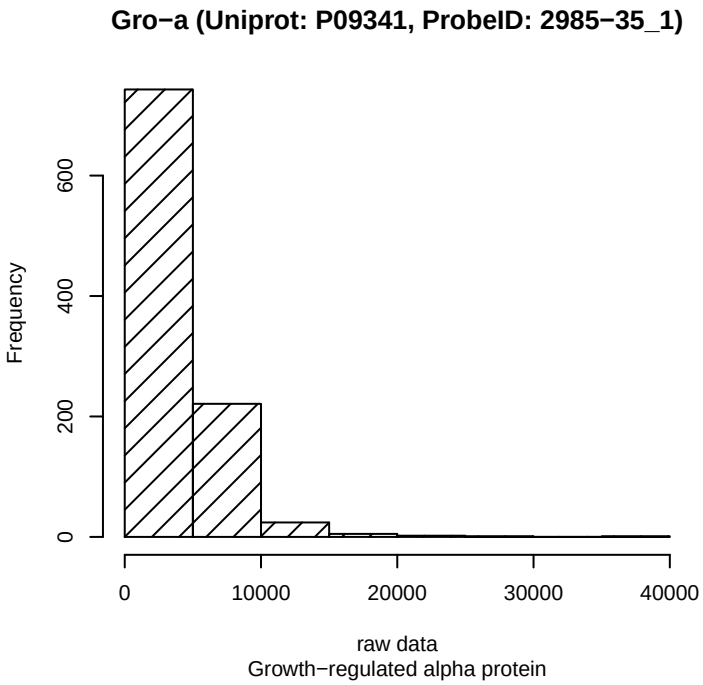

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
raw data
20000
60000
100000
G/G (632)
G/A (317)
A/A (44)
rs26496 (Chr5:96137882)
Locus 11 top sentinel (CIS), p=2.3e−126

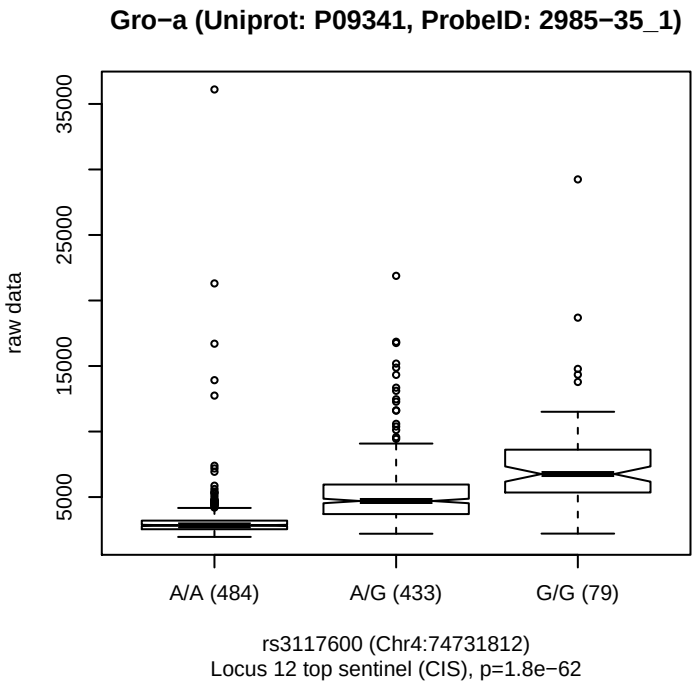

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
Frequency
0
50
100
150
200
250
300
350
13
14
15
16
17
log2−scaled data
Endoplasmic reticulum aminopeptidase 1

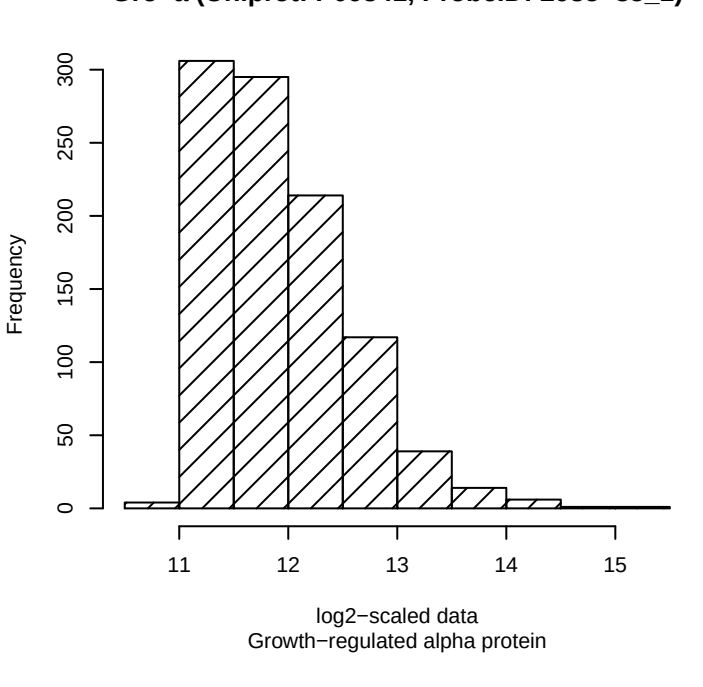

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
log2−scaled data
13
14
15
16
17
G/G (632)
G/A (317)
A/A (44)
rs26496 (Chr5:96137882)
Locus 11 top sentinel (CIS), p=3.9e−84, FC=1.506

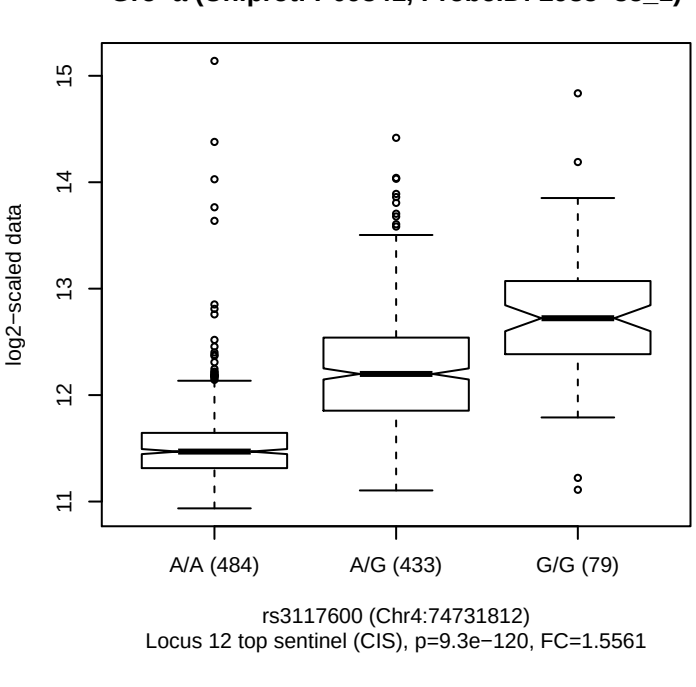

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Endoplasmic reticulum aminopeptidase 1

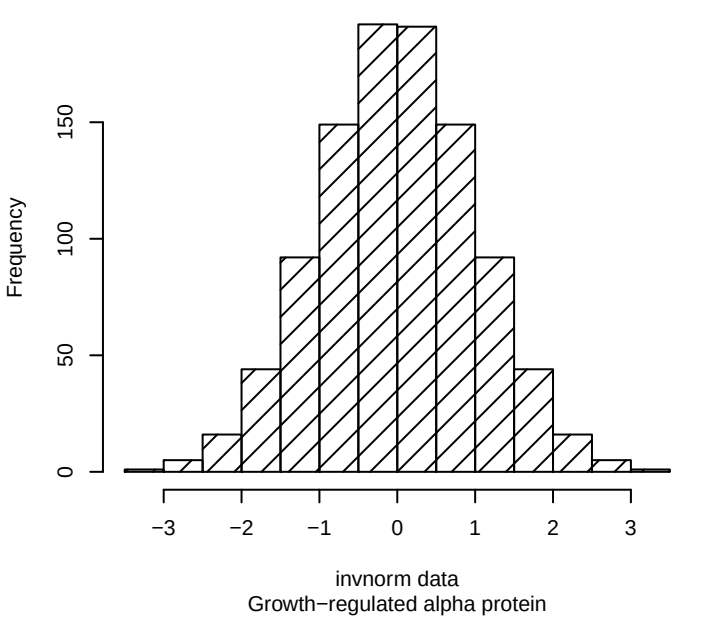

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
invnorm data
−3
−2
−1
0
1
2
3
G/G (632)
G/A (317)
A/A (44)
rs26496 (Chr5:96137882)
Locus 11 top sentinel (CIS), p=6.4e−123

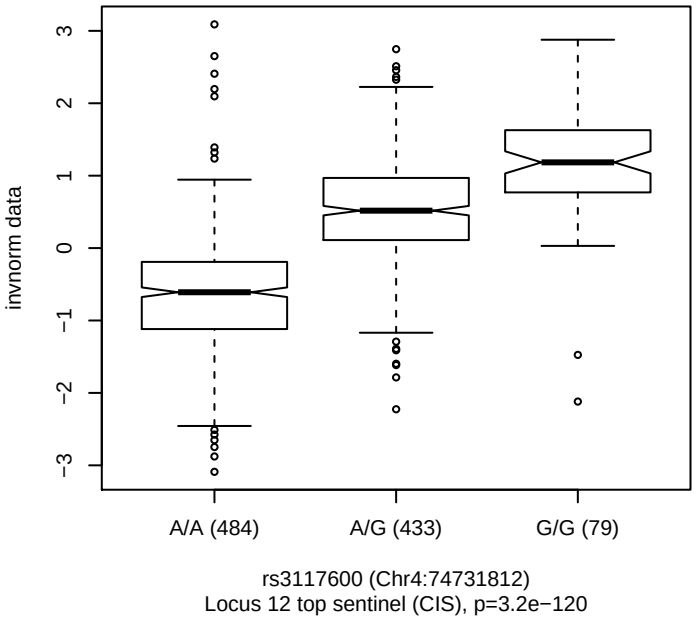

Gro−a (Uniprot: P09341, ProbeID: 2985−35_1)
Frequency
0
200
400
600
0
10000
20000
30000
40000
raw data
Growth−regulated alpha protein

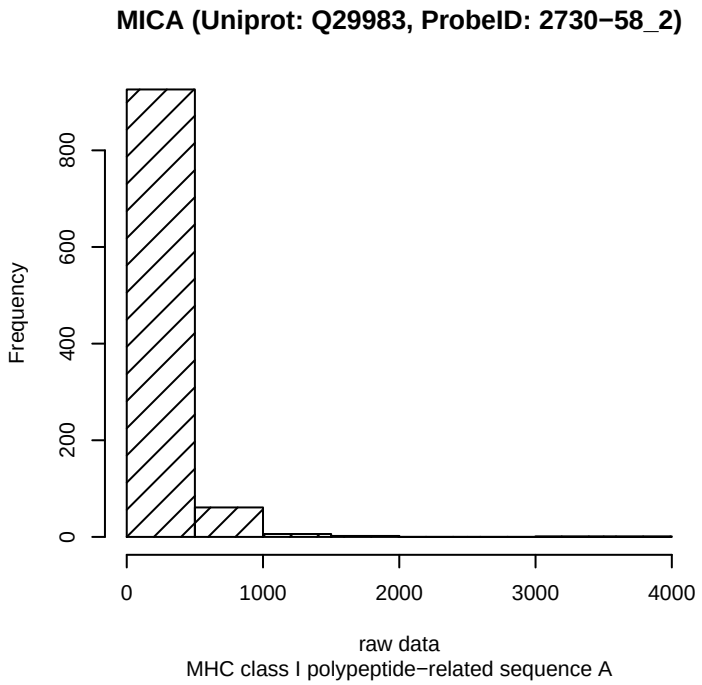

Gro−a (Uniprot: P09341, ProbeID: 2985−35_1)
raw data
5000
15000
25000
35000
A/A (484)
A/G (433)
G/G (79)
rs3117600 (Chr4:74731812)
Locus 12 top sentinel (CIS), p=1.8e−62

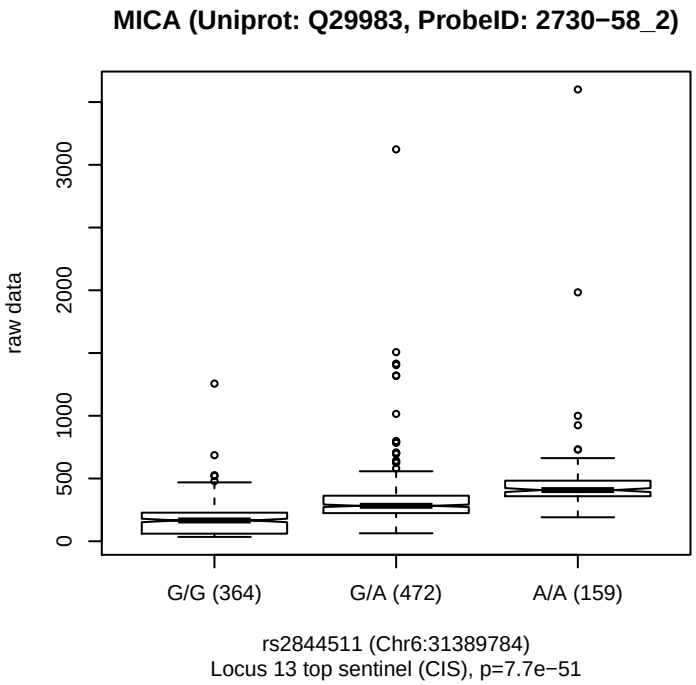

Gro−a (Uniprot: P09341, ProbeID: 2985−35_1)
Frequency
0
50
100
150
200
250
300
11
12
13
14
15
log2−scaled data
Growth−regulated alpha protein

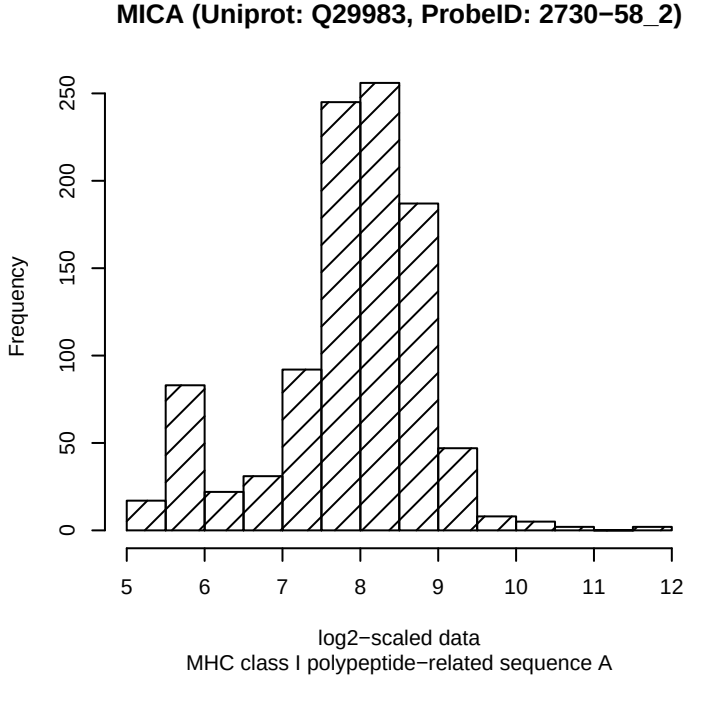

Gro−a (Uniprot: P09341, ProbeID: 2985−35_1)
log2−scaled data
11
12
13
14
15
A/A (484)
A/G (433)
G/G (79)
rs3117600 (Chr4:74731812)
Locus 12 top sentinel (CIS), p=9.3e−120, FC=1.5561

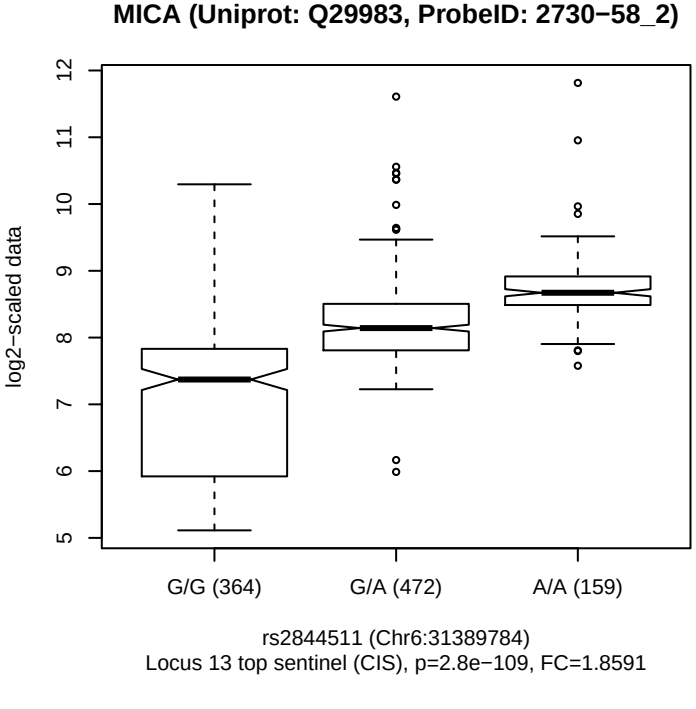

Gro−a (Uniprot: P09341, ProbeID: 2985−35_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Growth−regulated alpha protein

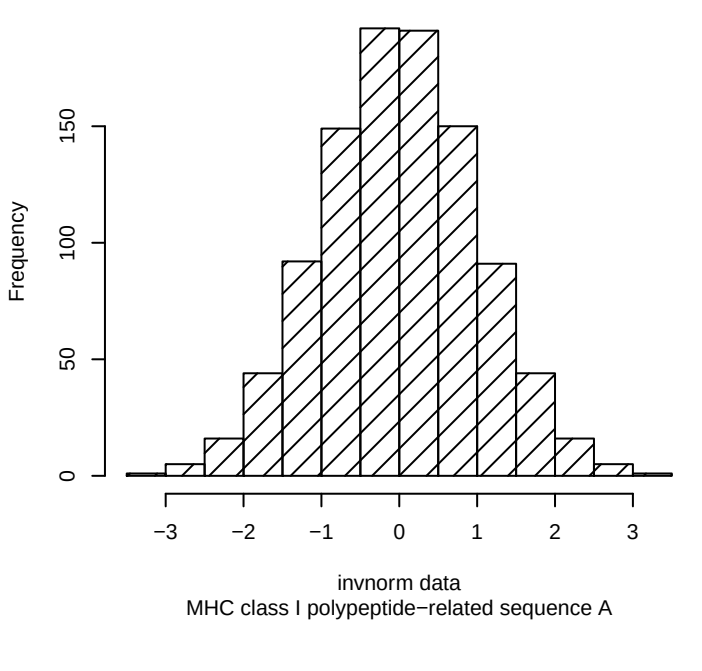

Gro−a (Uniprot: P09341, ProbeID: 2985−35_1)
invnorm data
−3
−2
−1
0
1
2
3
A/A (484)
A/G (433)
G/G (79)
rs3117600 (Chr4:74731812)
Locus 12 top sentinel (CIS), p=3.2e−120

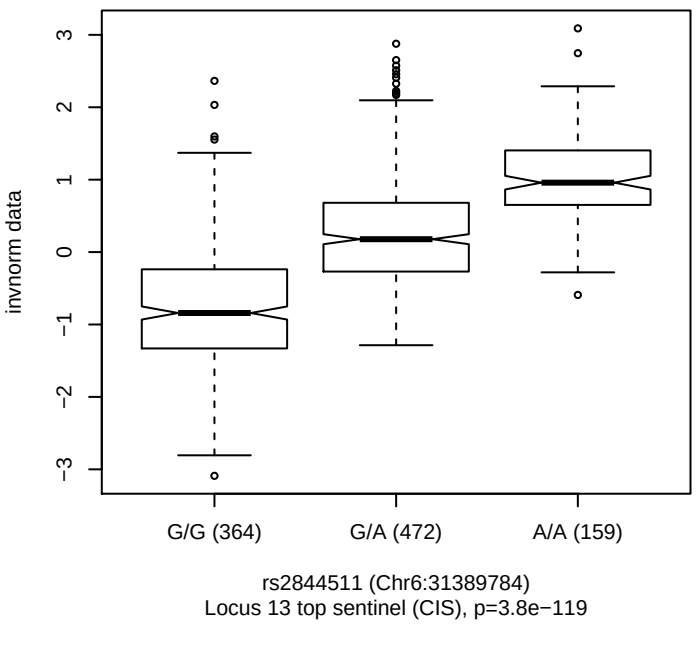

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
200
400
600
800
0
1000
2000
3000
4000
raw data
MHC class I polypeptide−related sequence A

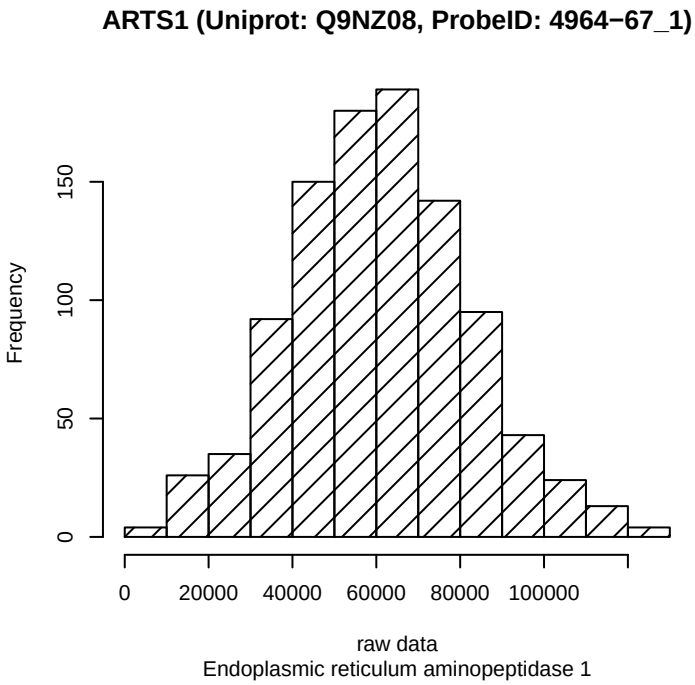

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
raw data
0
500
1000
2000
3000
G/G (364)
G/A (472)
A/A (159)
rs2844511 (Chr6:31389784)
Locus 13 top sentinel (CIS), p=7.7e−51

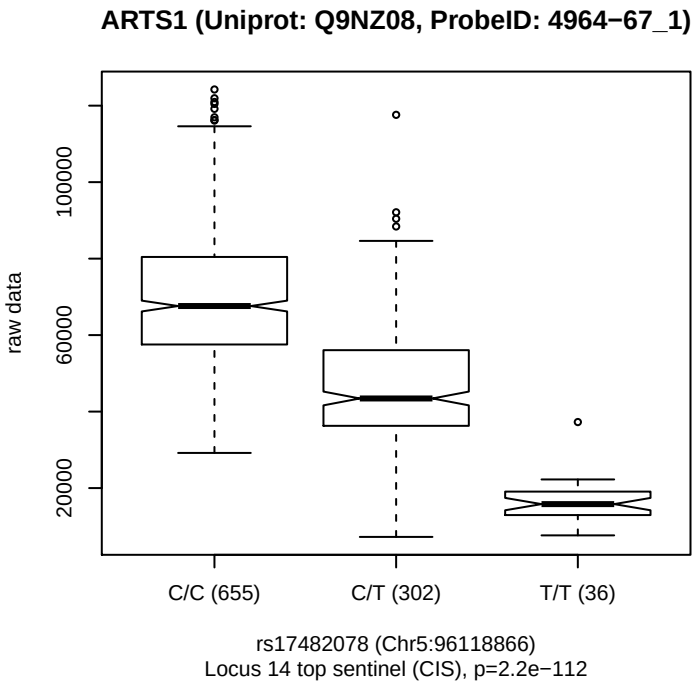

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
200
250
5
6
7
8
9
10
11
12
log2−scaled data
MHC class I polypeptide−related sequence A

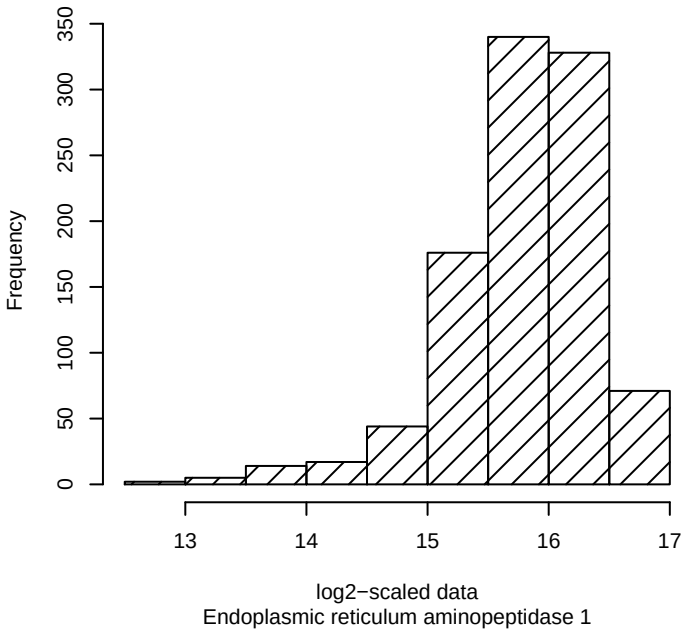

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
log2−scaled data
5
6
7
8
9
10
11
12
G/G (364)
G/A (472)
A/A (159)
rs2844511 (Chr6:31389784)
Locus 13 top sentinel (CIS), p=2.8e−109, FC=1.8591

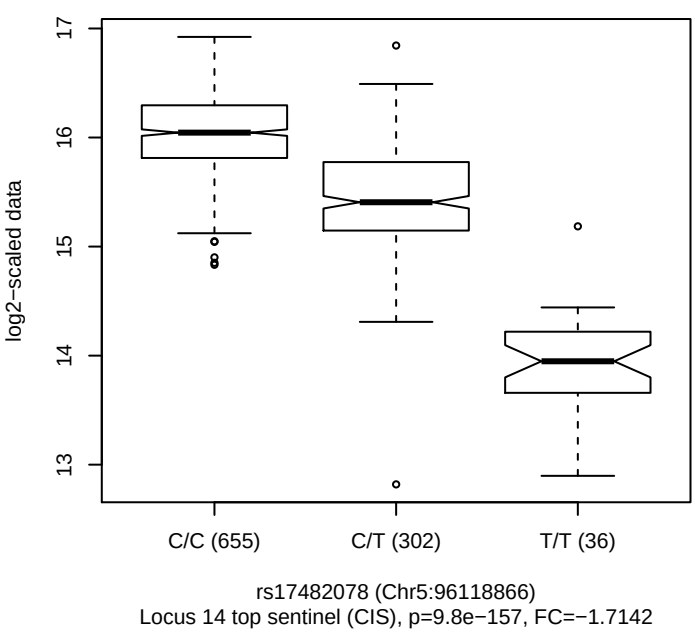

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence A

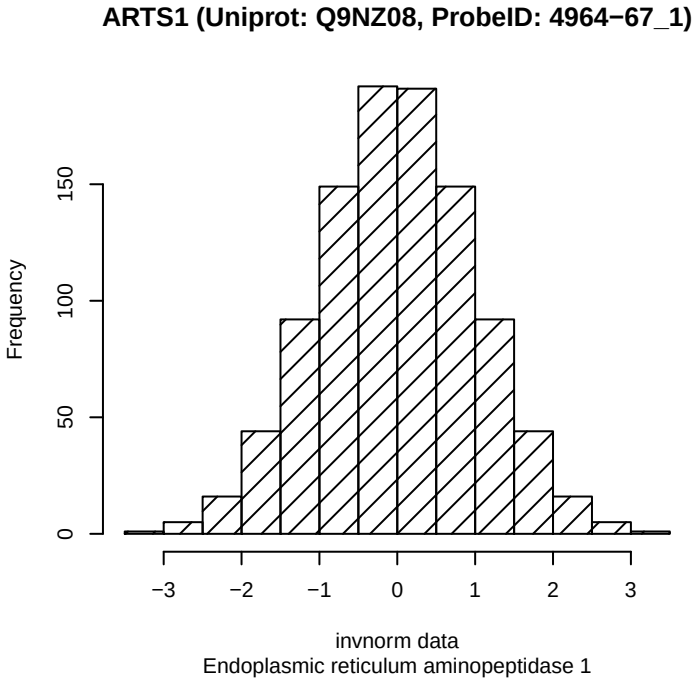

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (364)
G/A (472)
A/A (159)
rs2844511 (Chr6:31389784)
Locus 13 top sentinel (CIS), p=3.8e−119

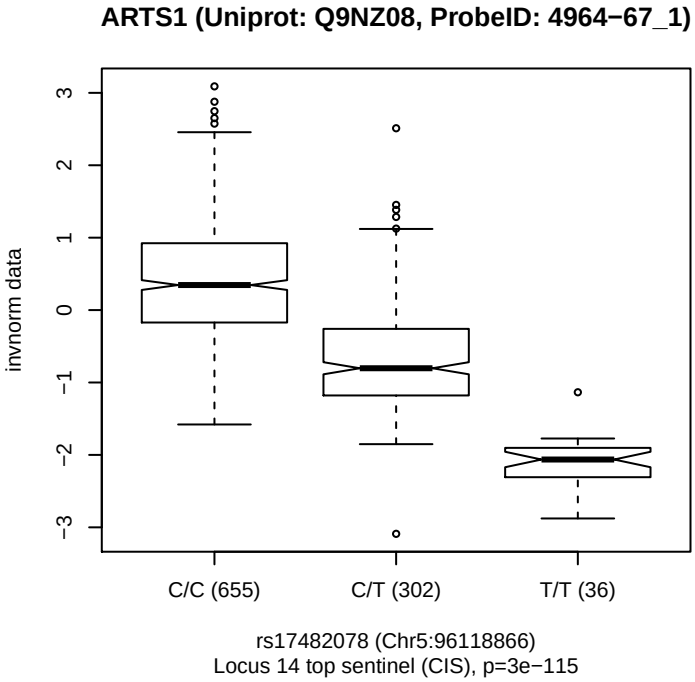

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
Frequency
0
50
100
150
0
20000
40000
60000
80000
100000
raw data
Endoplasmic reticulum aminopeptidase 1

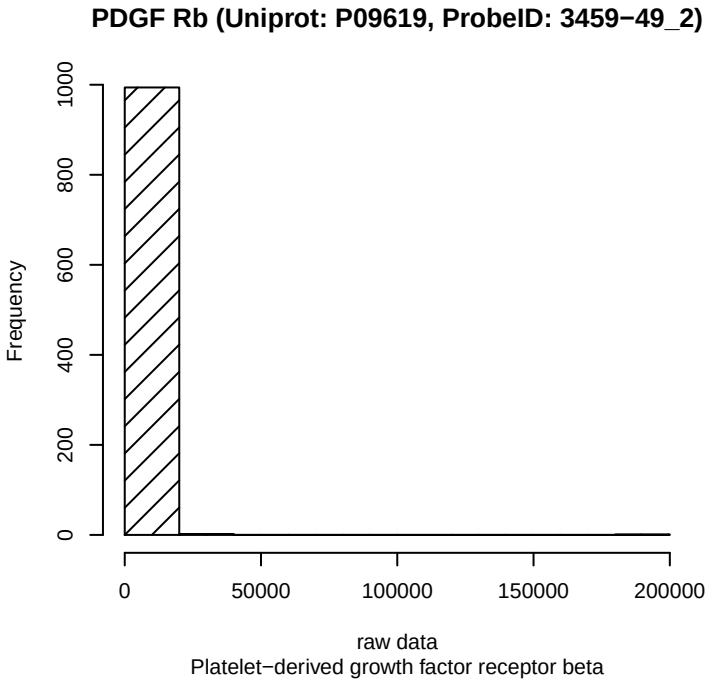

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
raw data
20000
60000
100000
C/C (655)
C/T (302)
T/T (36)
rs17482078 (Chr5:96118866)
Locus 14 top sentinel (CIS), p=2.2e−112

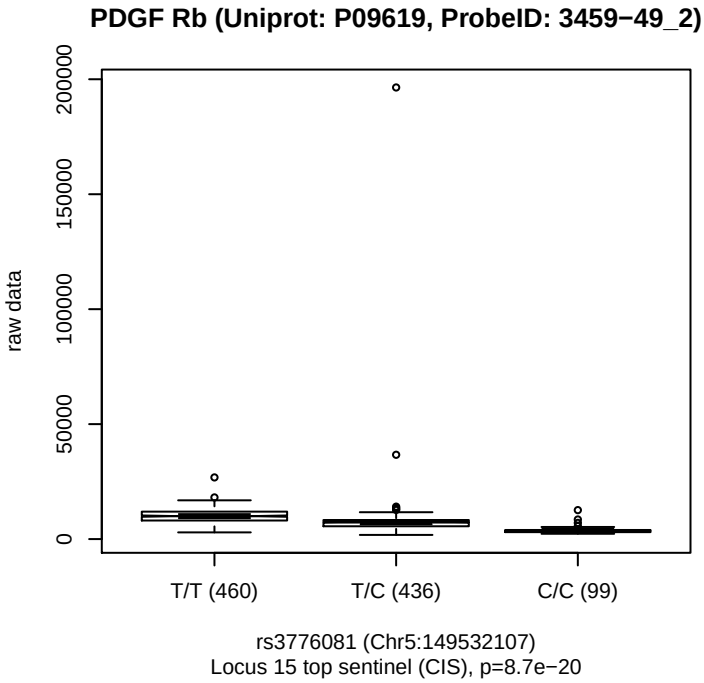

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
Frequency
0
50
100
150
200
250
300
350
13
14
15
16
17
log2−scaled data
Endoplasmic reticulum aminopeptidase 1

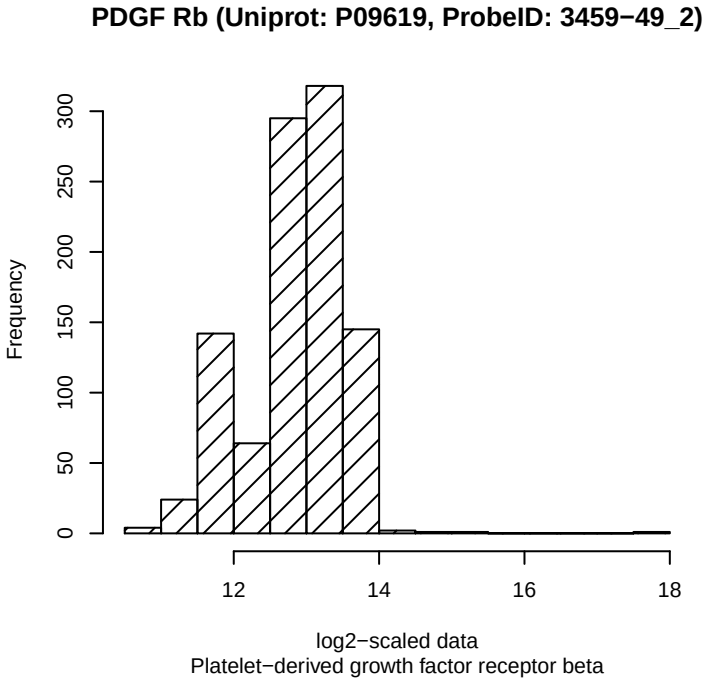

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
log2−scaled data
13
14
15
16
17
C/C (655)
C/T (302)
T/T (36)
rs17482078 (Chr5:96118866)
Locus 14 top sentinel (CIS), p=9.8e−157, FC=−1.7142

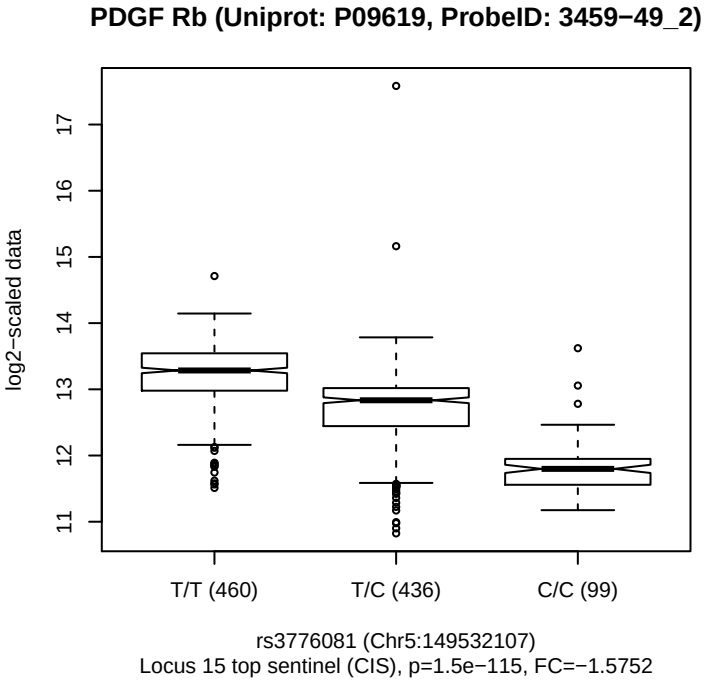

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Endoplasmic reticulum aminopeptidase 1

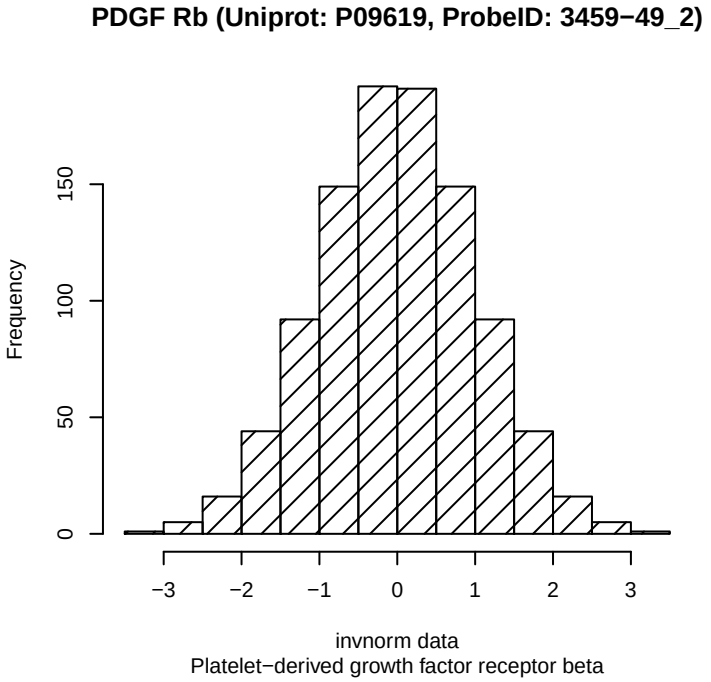

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
invnorm data
−3
−2
−1
0
1
2
3
C/C (655)
C/T (302)
T/T (36)
rs17482078 (Chr5:96118866)
Locus 14 top sentinel (CIS), p=3e−115

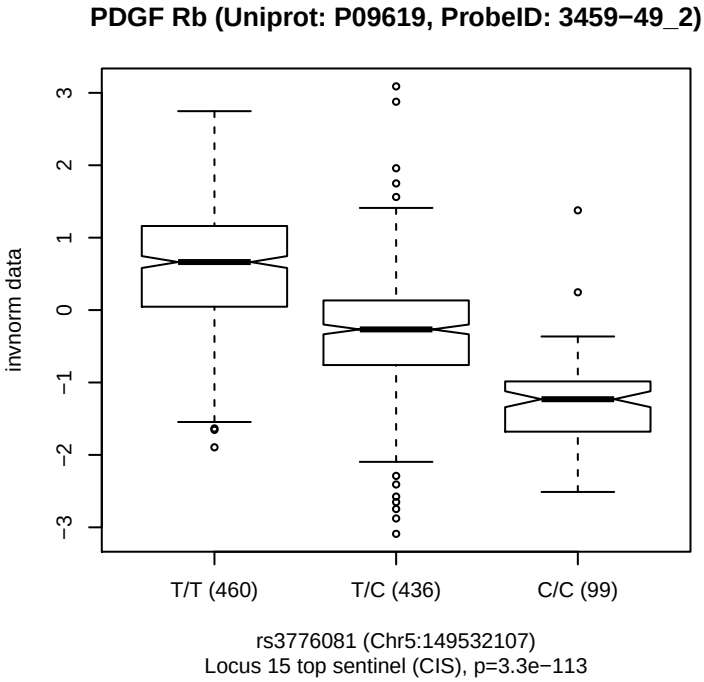

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
Frequency
0
200
400
600
800
1000
0
50000
100000
150000
200000
raw data
Platelet−derived growth factor receptor beta


PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
raw data
0
50000
100000
150000
200000
T/T (460)
T/C (436)
C/C (99)
rs3776081 (Chr5:149532107)
Locus 15 top sentinel (CIS), p=8.7e−20

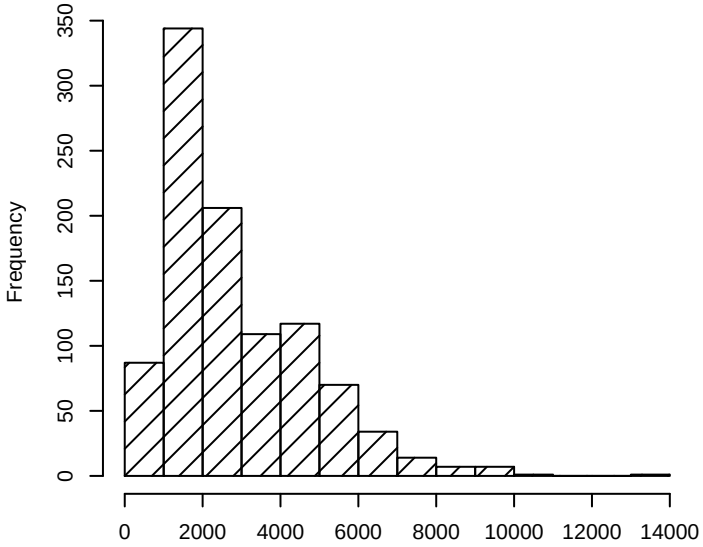

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
Frequency
0
50
100
150
200
250
300
12
14
16
18
log2−scaled data
Platelet−derived growth factor receptor beta


PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
log2−scaled data
11
12
13
14
15
16
17
T/T (460)
T/C (436)
C/C (99)
rs3776081 (Chr5:149532107)
Locus 15 top sentinel (CIS), p=1.5e−115, FC=−1.5752


PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Platelet−derived growth factor receptor beta

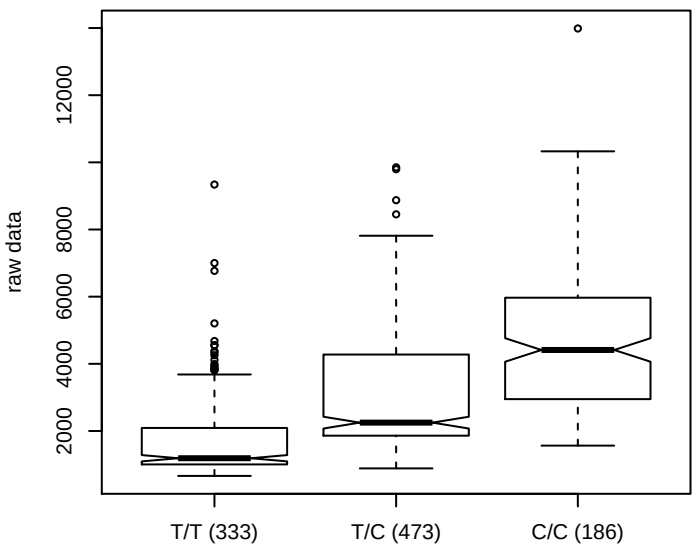

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (460)
T/C (436)
C/C (99)
rs3776081 (Chr5:149532107)
Locus 15 top sentinel (CIS), p=3.3e−113

**FCG2A/B (Uniprot: P12318 P31994, ProbeID: 3310−62_1**



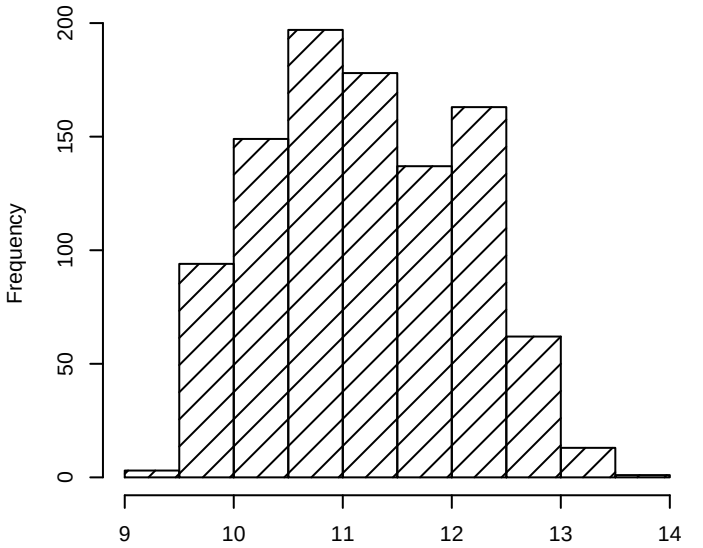

Low affinity immunoglobulin gamma Fc region receptor II−a/b

**FCG2A/B (Uniprot: P12318 P31994, ProbeID: 3310−62_1**



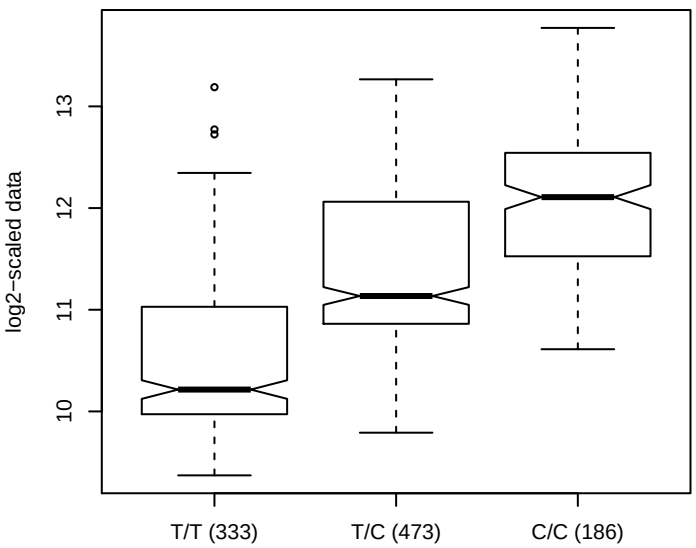

rs7551957 (Chr1:161470042)
Locus 16 top sentinel (CIS), p=4.8e−82

**FCG2A/B (Uniprot: P12318 P31994, ProbeID: 3310−62_1**



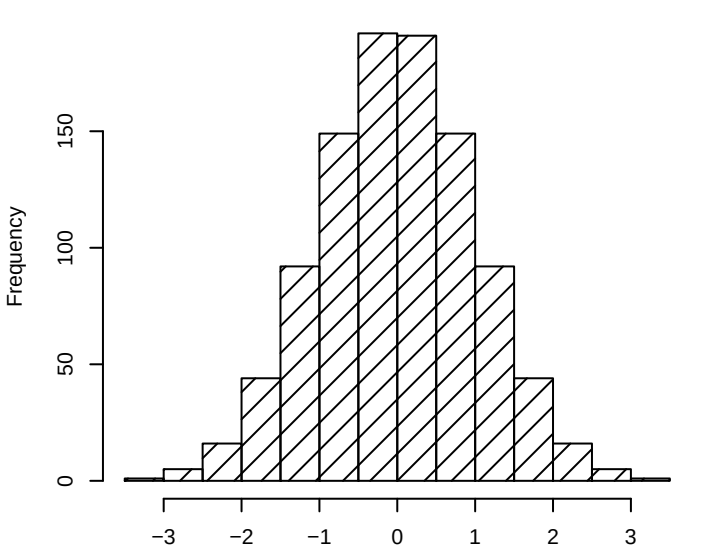

Low affinity immunoglobulin gamma Fc region receptor II−a/b

**FCG2A/B (Uniprot: P12318 P31994, ProbeID: 3310−62_1**



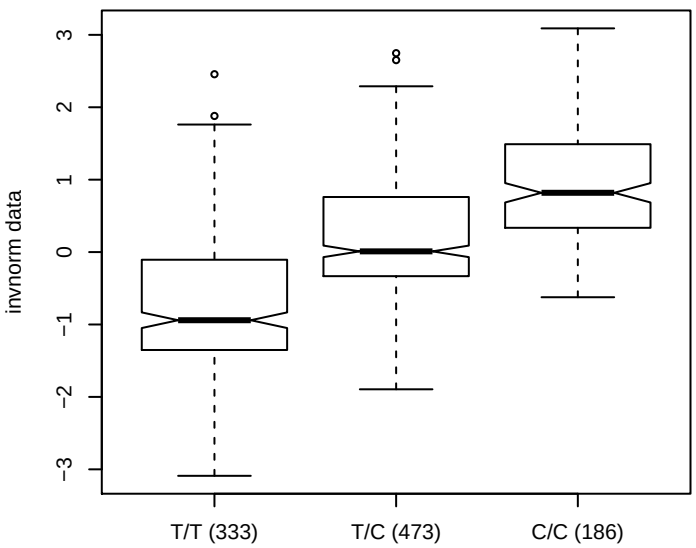

rs7551957 (Chr1:161470042)
Locus 16 top sentinel (CIS), p=1.1e−111, FC=1.7335

**FCG2A/B (Uniprot: P12318 P31994, ProbeID: 3310−62_1**



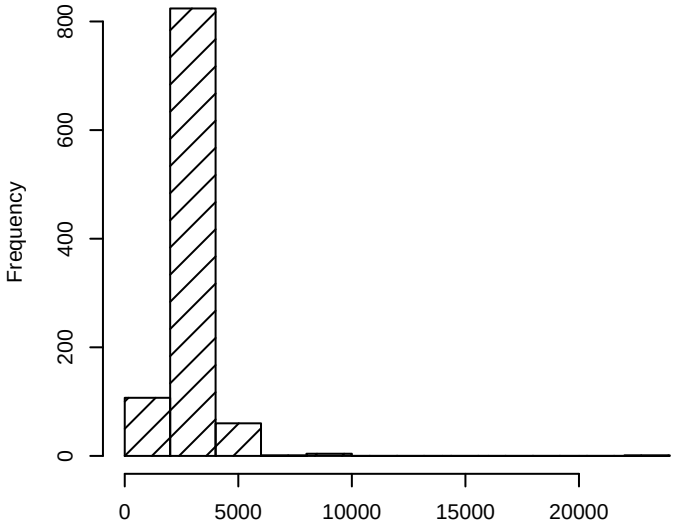

Low affinity immunoglobulin gamma Fc region receptor II−a/b

**FCG2A/B (Uniprot: P12318 P31994, ProbeID: 3310−62_1**



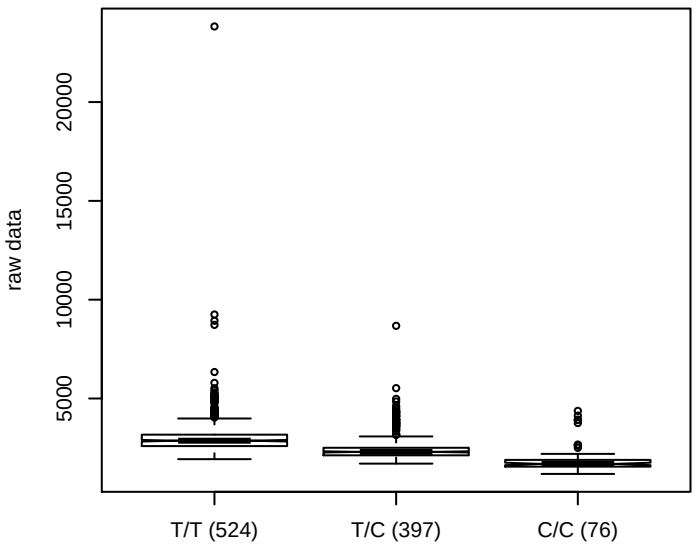

rs7551957 (Chr1:161470042)
Locus 16 top sentinel (CIS), p=2.2e−111

**CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)**



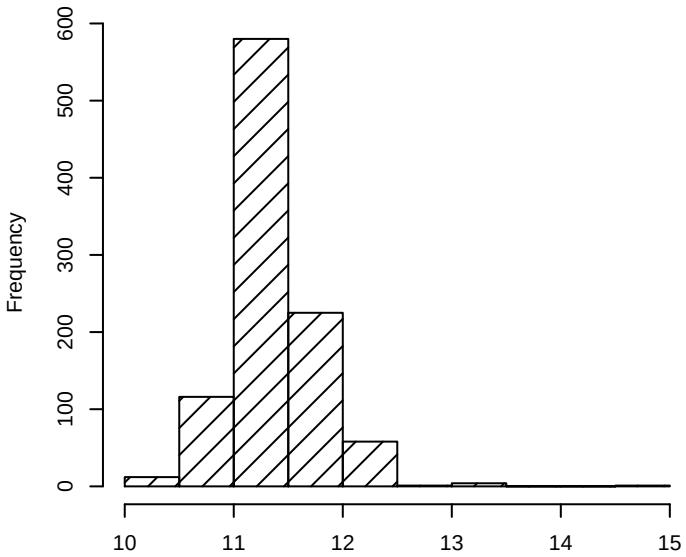

raw data
Calcium/calmodulin−dependent protein kinase type 1

**CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)**



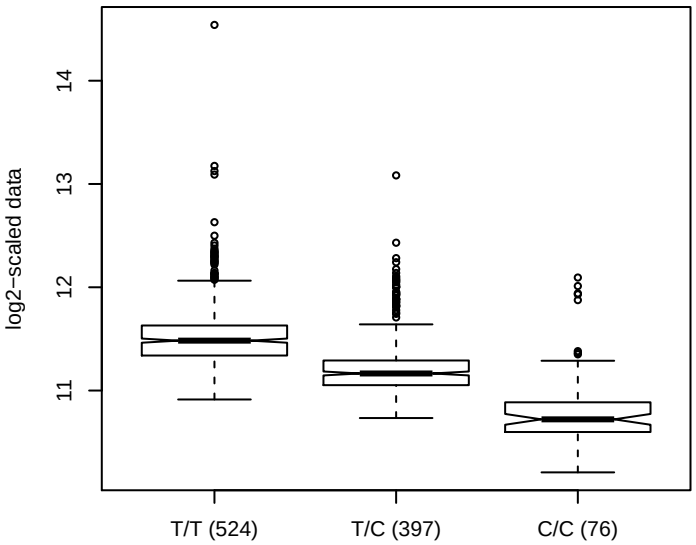

rs4525 (Chr1:169511734)
Locus 17 top sentinel (TRANS), p=2.5e−32

**CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)**



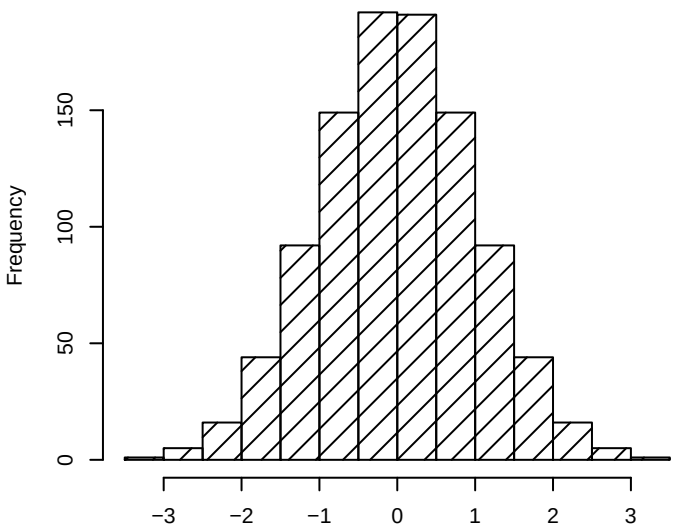

log2−scaled data
Calcium/calmodulin−dependent protein kinase type 1

**CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)**



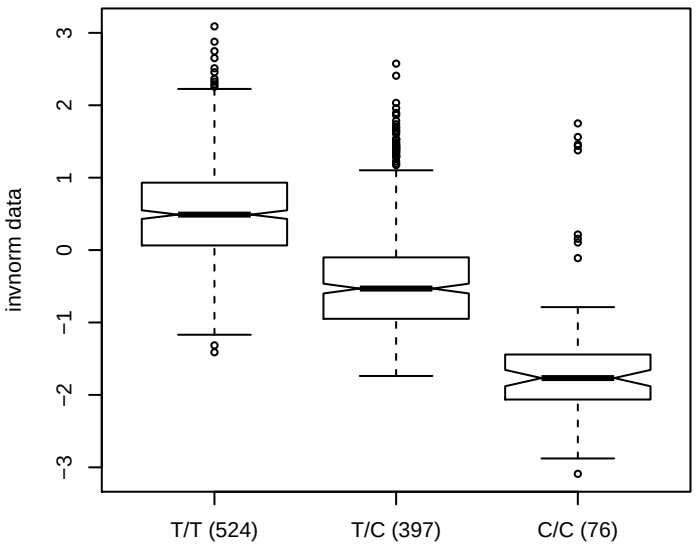

rs4525 (Chr1:169511734)
Locus 17 top sentinel (TRANS), p=6.9e−81, FC=−1.2631

**CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)**

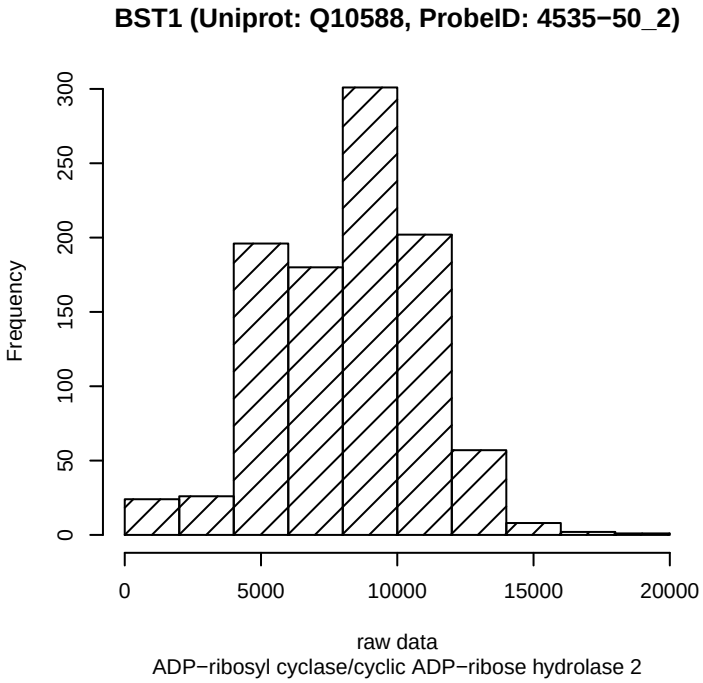


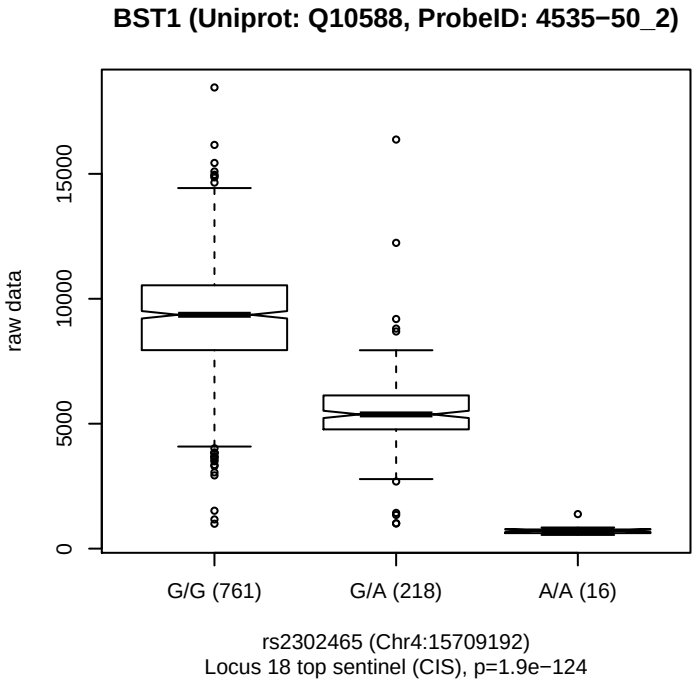

invnorm data
Calcium/calmodulin−dependent protein kinase type 1

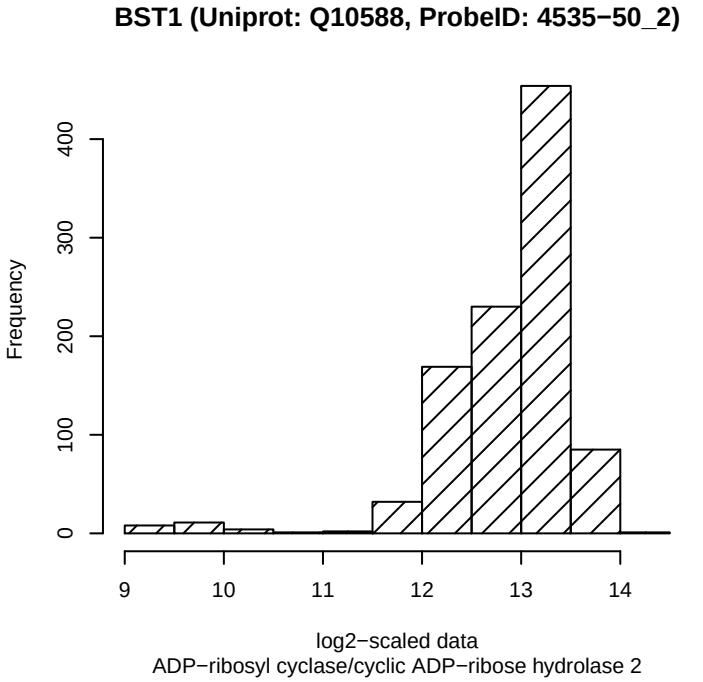
**CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)**

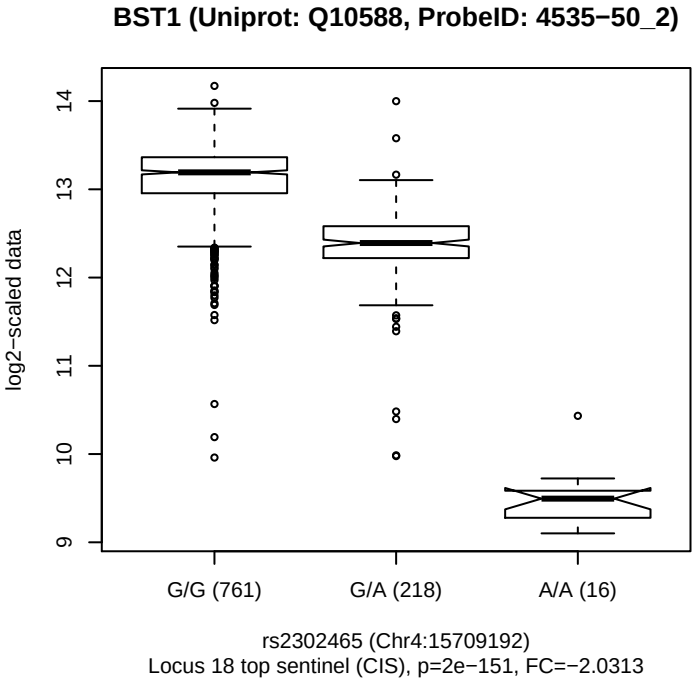


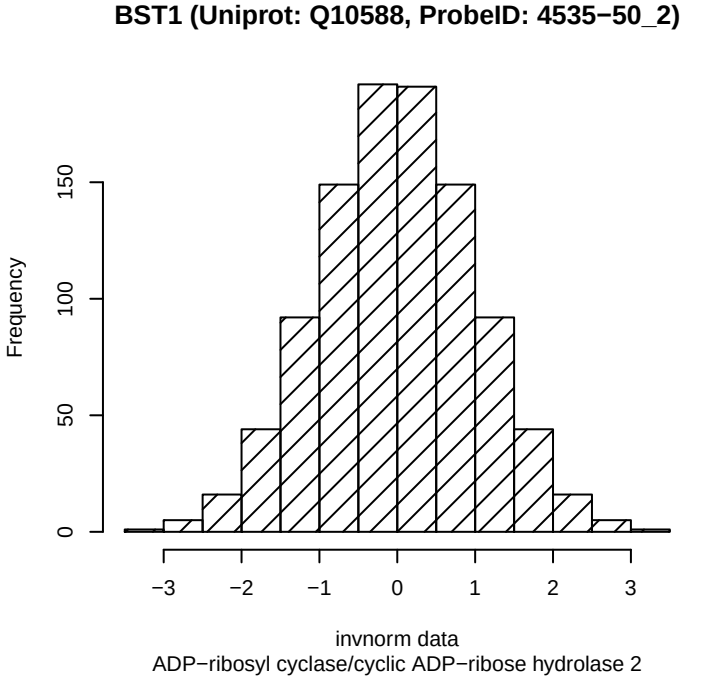

rs4525 (Chr1:169511734)
Locus 17 top sentinel (TRANS), p=2e−110

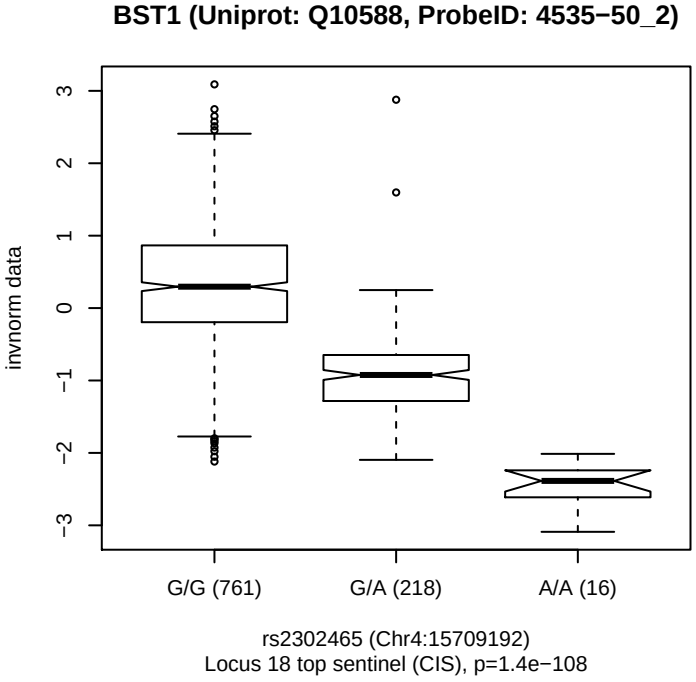

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
Frequency
0
50
100
150
200
250
300
0
5000
10000
15000
20000
raw data
ADP−ribosyl cyclase/cyclic ADP−ribose hydrolase 2

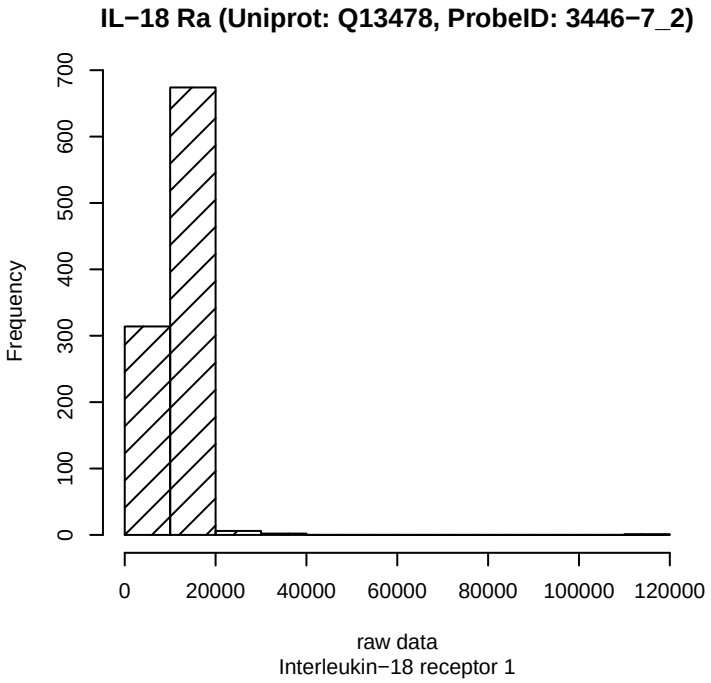

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
raw data
0
5000
10000
15000
G/G (761)
G/A (218)
A/A (16)
rs2302465 (Chr4:15709192)
Locus 18 top sentinel (CIS), p=1.9e−124

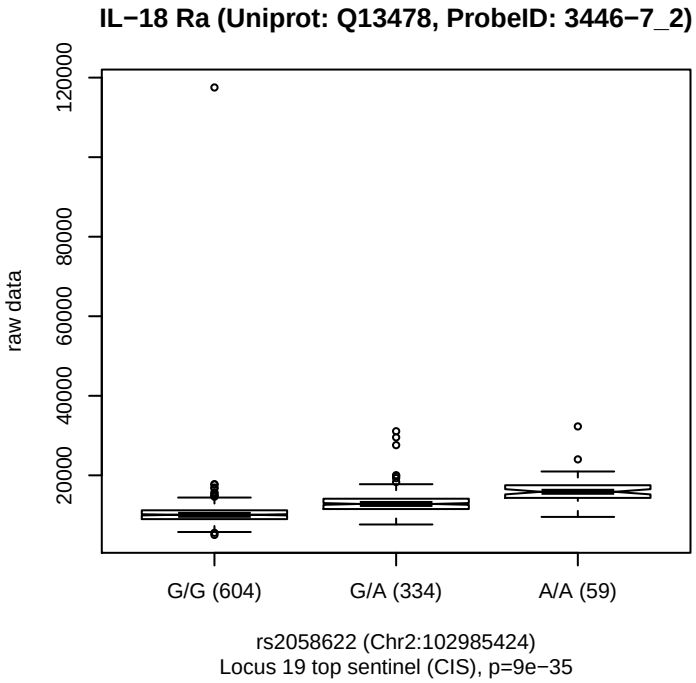

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
Frequency
0
100
200
300
400
9
10
11
12
13
14
log2−scaled data
ADP−ribosyl cyclase/cyclic ADP−ribose hydrolase 2

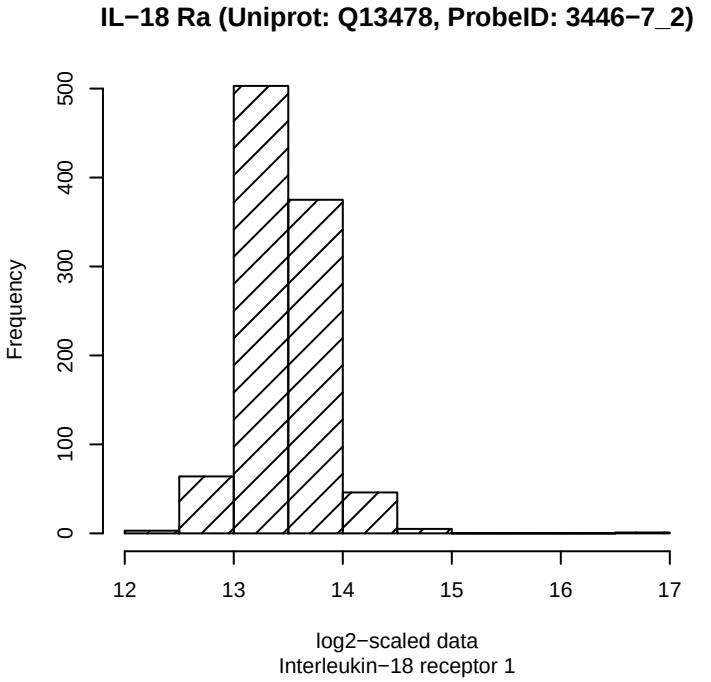

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
log2−scaled data
9
10
11
12
13
14
G/G (761)
G/A (218)
A/A (16)
rs2302465 (Chr4:15709192)
Locus 18 top sentinel (CIS), p=2e−151, FC=−2.0313

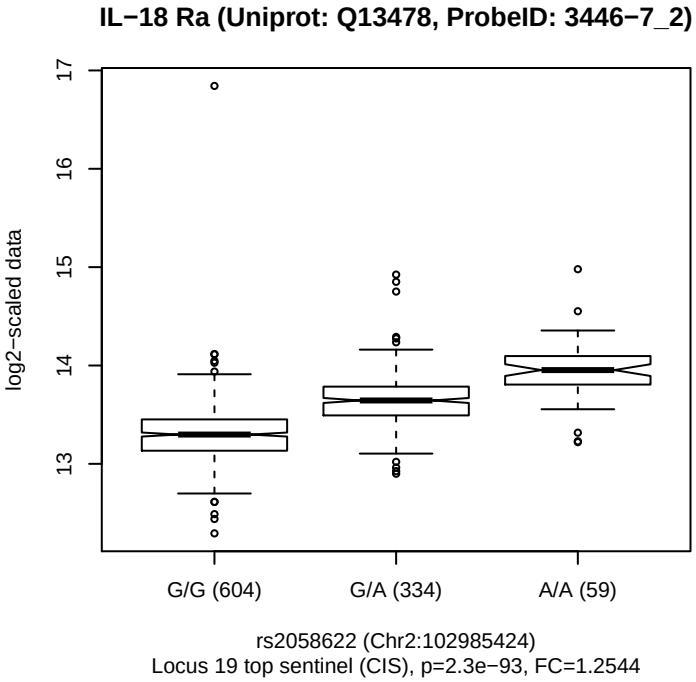

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
ADP−ribosyl cyclase/cyclic ADP−ribose hydrolase 2

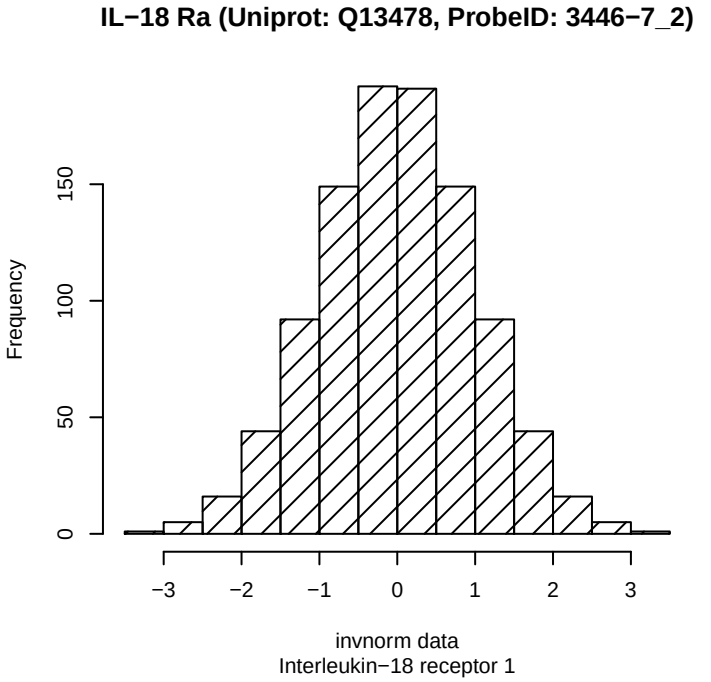

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (761)
G/A (218)
A/A (16)
rs2302465 (Chr4:15709192)
Locus 18 top sentinel (CIS), p=1.4e−108

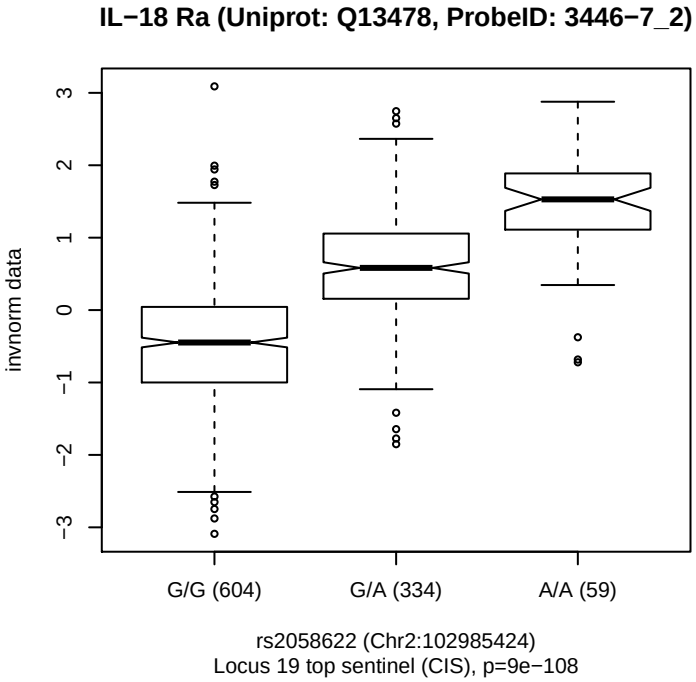

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
Frequency
0
100
200
300
400
500
600
700
0
20000
40000
60000
80000
100000
120000
raw data
Interleukin−18 receptor 1

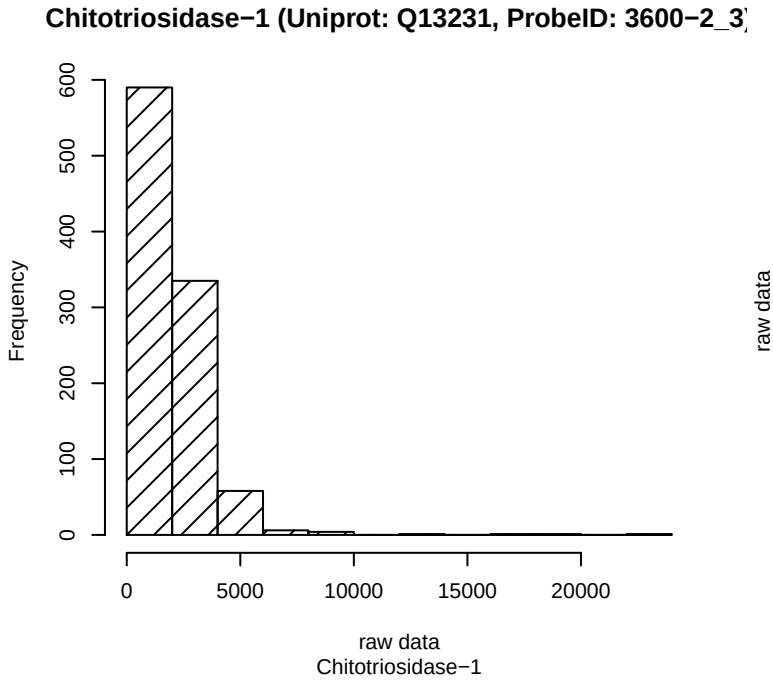

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
raw data
20000
40000
60000
80000
120000
G/G (604)
G/A (334)
A/A (59)
rs2058622 (Chr2:102985424)
Locus 19 top sentinel (CIS), p=9e−35

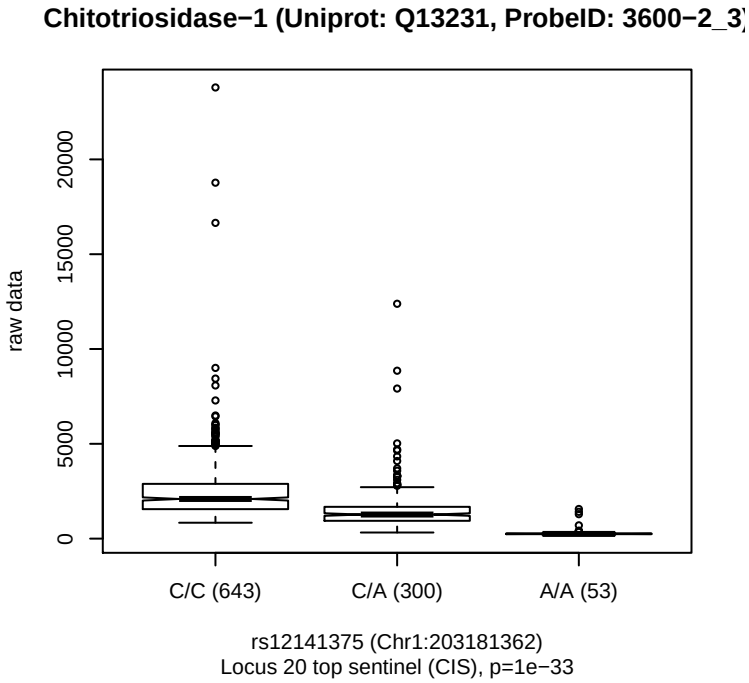

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
Frequency
0
100
200
300
400
500
12
13
14
15
16
17
log2−scaled data
Interleukin−18 receptor 1

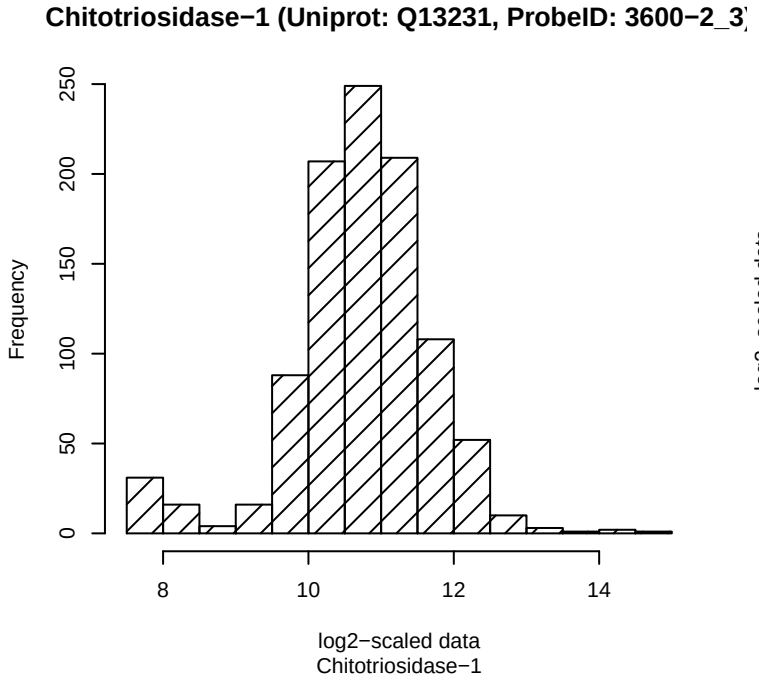

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
log2−scaled data
13
14
15
16
17
G/G (604)
G/A (334)
A/A (59)
rs2058622 (Chr2:102985424)
Locus 19 top sentinel (CIS), p=2.3e−93, FC=1.2544

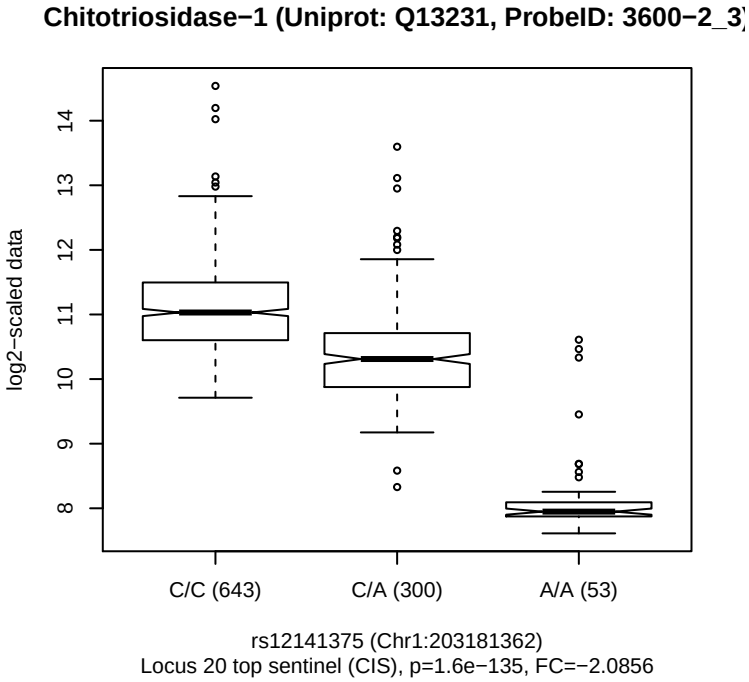

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−18 receptor 1

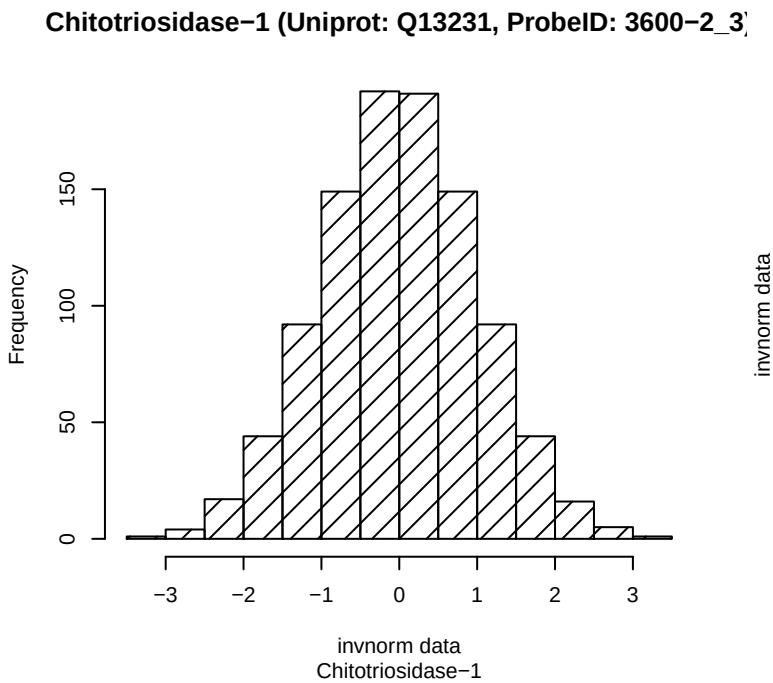

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (604)
G/A (334)
A/A (59)
rs2058622 (Chr2:102985424)
Locus 19 top sentinel (CIS), p=9e−108

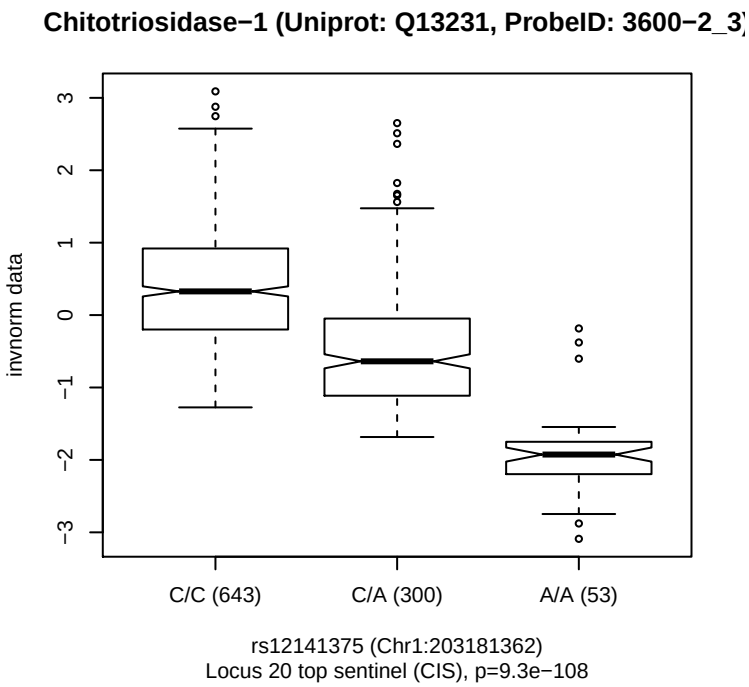

Chitotriosidase−1 (Uniprot: Q13231, ProbeID: 3600−2_3)
Frequency
0
100
200
300
400
500
600
0
5000
10000
15000
20000
raw data
Chitotriosidase−1

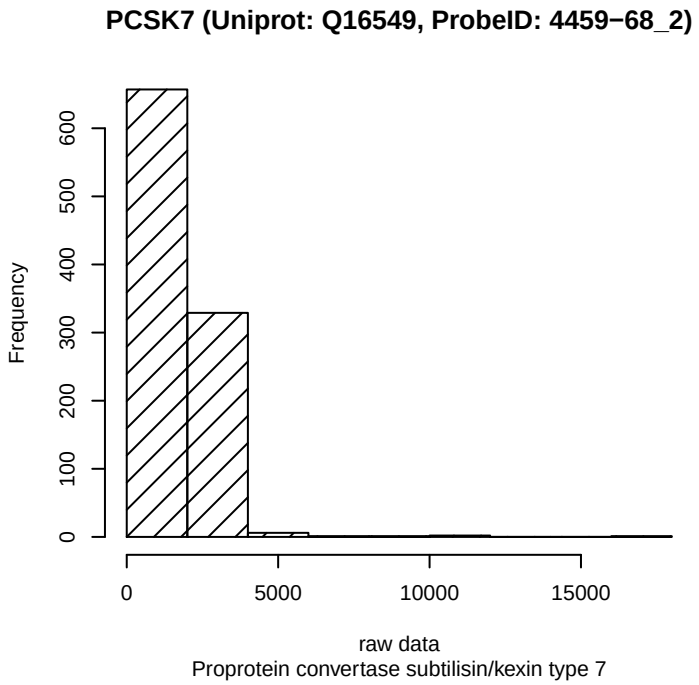

Chitotriosidase−1 (Uniprot: Q13231, ProbeID: 3600−2_3)
raw data
0
5000
10000
15000
20000
C/C (643)
C/A (300)
A/A (53)
rs12141375 (Chr1:203181362)
Locus 20 top sentinel (CIS), p=1e−33

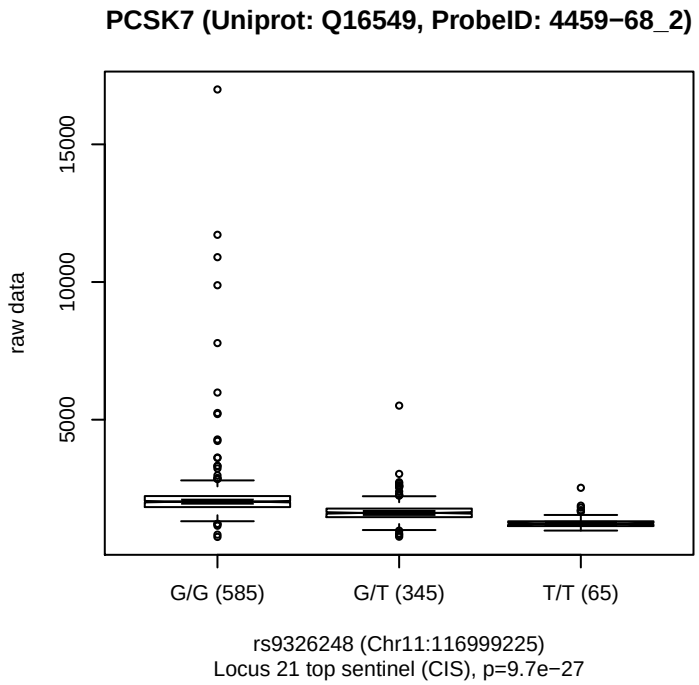

Chitotriosidase−1 (Uniprot: Q13231, ProbeID: 3600−2_3)
Frequency
0
50
100
150
200
250
8
10
12
14
log2−scaled data
Chitotriosidase−1

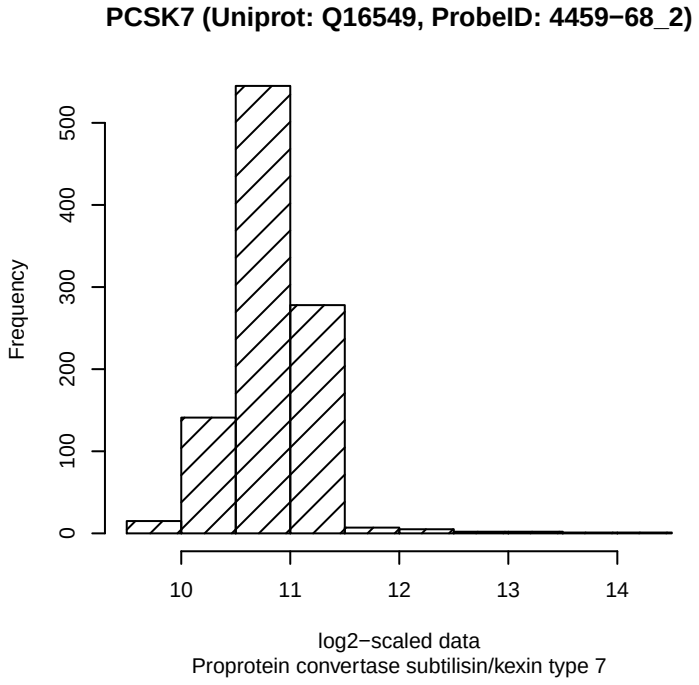

Chitotriosidase−1 (Uniprot: Q13231, ProbeID: 3600−2_3)
log2−scaled data
8
9
10
11
12
13
14
C/C (643)
C/A (300)
A/A (53)
rs12141375 (Chr1:203181362)
Locus 20 top sentinel (CIS), p=1.6e−135, FC=−2.0856

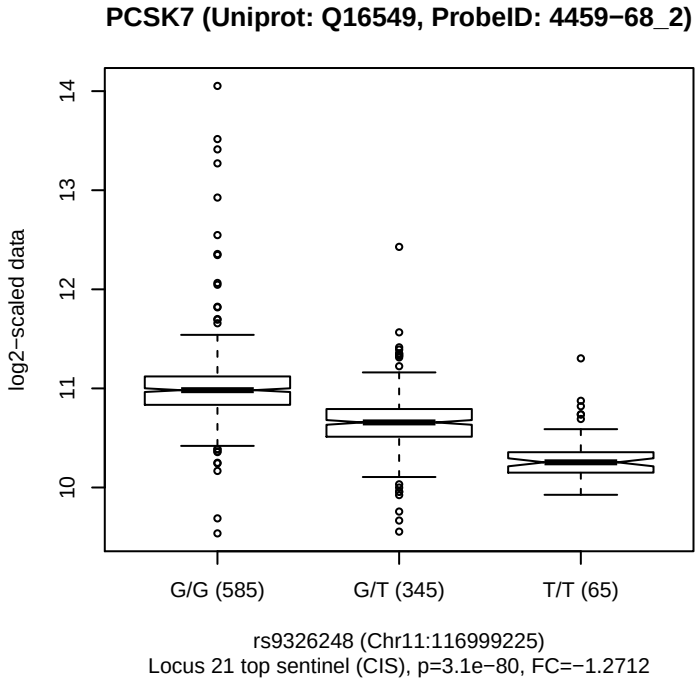

Chitotriosidase−1 (Uniprot: Q13231, ProbeID: 3600−2_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Chitotriosidase−1

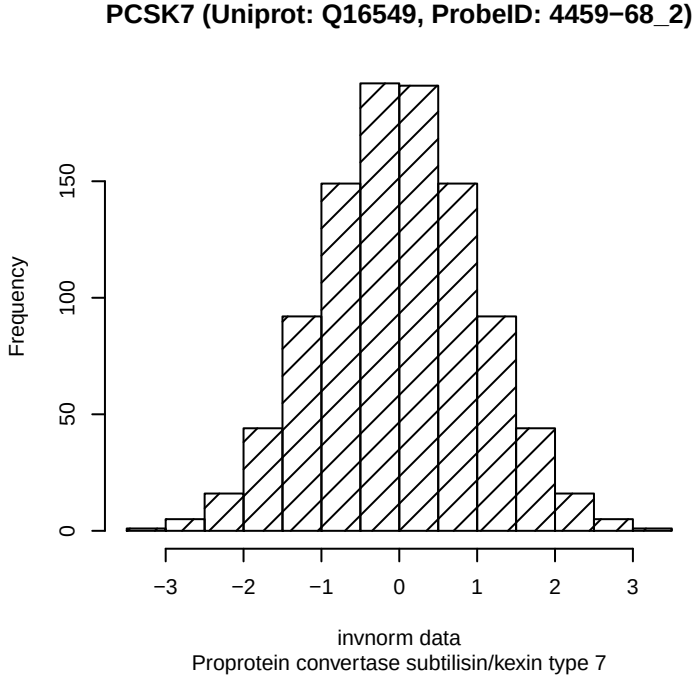

Chitotriosidase−1 (Uniprot: Q13231, ProbeID: 3600−2_3)
invnorm data
−3
−2
−1
0
1
2
3
C/C (643)
C/A (300)
A/A (53)
rs12141375 (Chr1:203181362)
Locus 20 top sentinel (CIS), p=9.3e−108

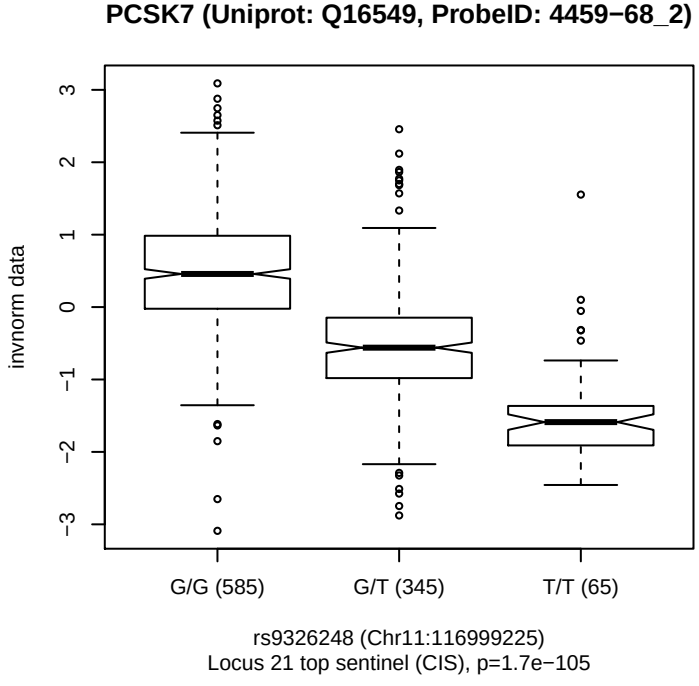

PCSK7 (Uniprot: Q16549, ProbeID: 4459−68_2)
Frequency
0
100
200
300
400
500
600
0
5000
10000
15000
raw data
Proprotein convertase subtilisin/kexin type 7

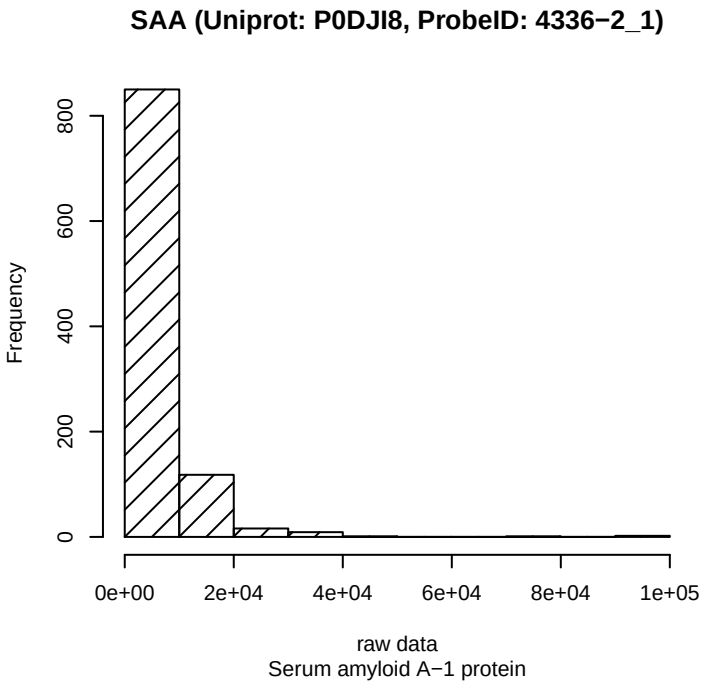

PCSK7 (Uniprot: Q16549, ProbeID: 4459−68_2)
raw data
5000
10000
15000
G/G (585)
G/T (345)
T/T (65)
rs9326248 (Chr11:116999225)
Locus 21 top sentinel (CIS), p=9.7e−27

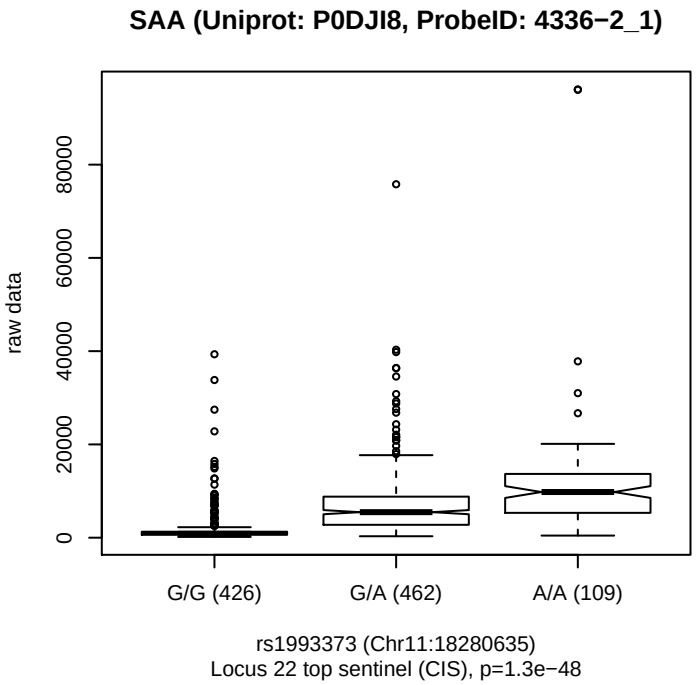

PCSK7 (Uniprot: Q16549, ProbeID: 4459−68_2)
Frequency
0
100
200
300
400
500
10
11
12
13
14
log2−scaled data
Proprotein convertase subtilisin/kexin type 7

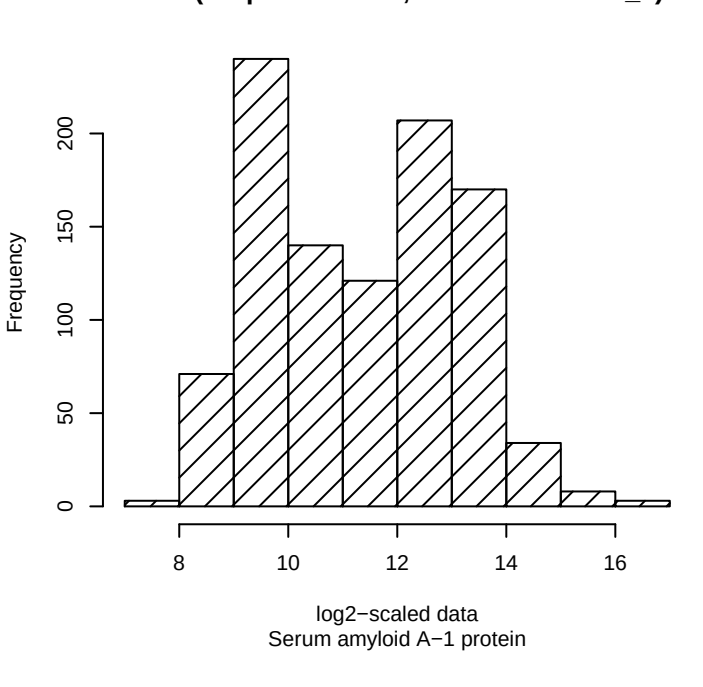

PCSK7 (Uniprot: Q16549, ProbeID: 4459−68_2)
log2−scaled data
10
11
12
13
14
G/G (585)
G/T (345)
T/T (65)
rs9326248 (Chr11:116999225)
Locus 21 top sentinel (CIS), p=3.1e−80, FC=−1.2712

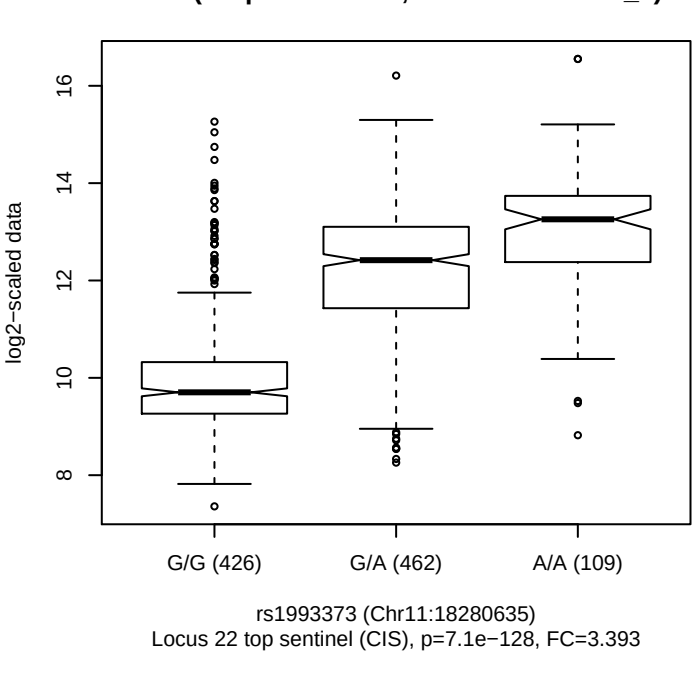

PCSK7 (Uniprot: Q16549, ProbeID: 4459−68_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Proprotein convertase subtilisin/kexin type 7

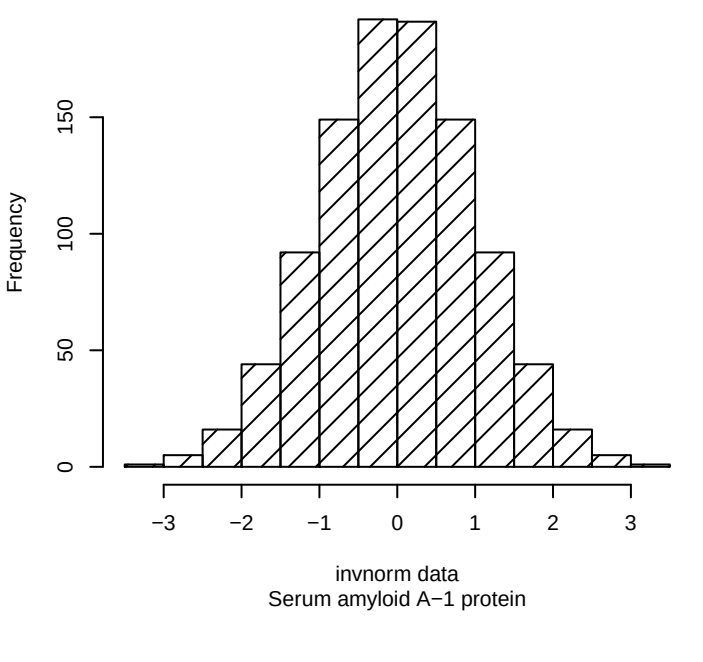

PCSK7 (Uniprot: Q16549, ProbeID: 4459−68_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (585)
G/T (345)
T/T (65)
rs9326248 (Chr11:116999225)
Locus 21 top sentinel (CIS), p=1.7e−105

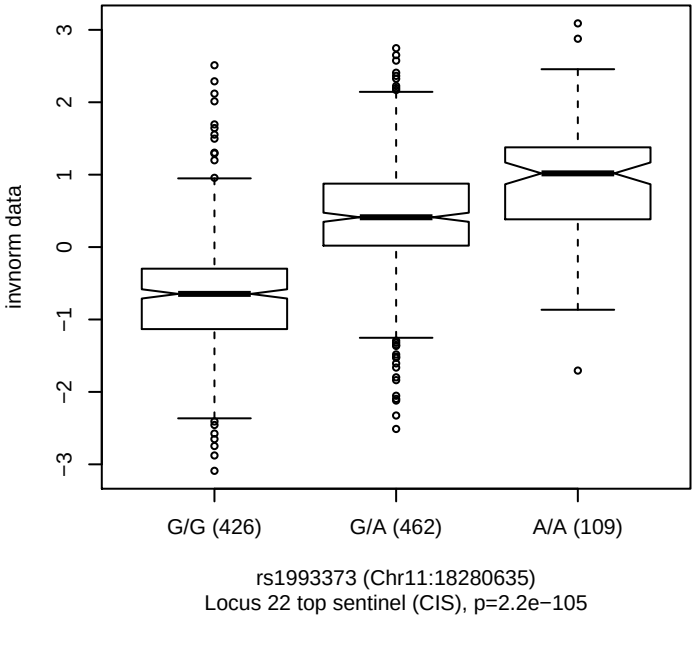

SAA (Uniprot: P0DJI8, ProbeID: 4336−2_1)
Frequency
0
200
400
600
800
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
raw data
Serum amyloid A−1 protein


SAA (Uniprot: P0DJI8, ProbeID: 4336−2_1)
raw data
0
20000
40000
60000
80000
G/G (426)
G/A (462)
A/A (109)
rs1993373 (Chr11:18280635)
Locus 22 top sentinel (CIS), p=1.3e−48

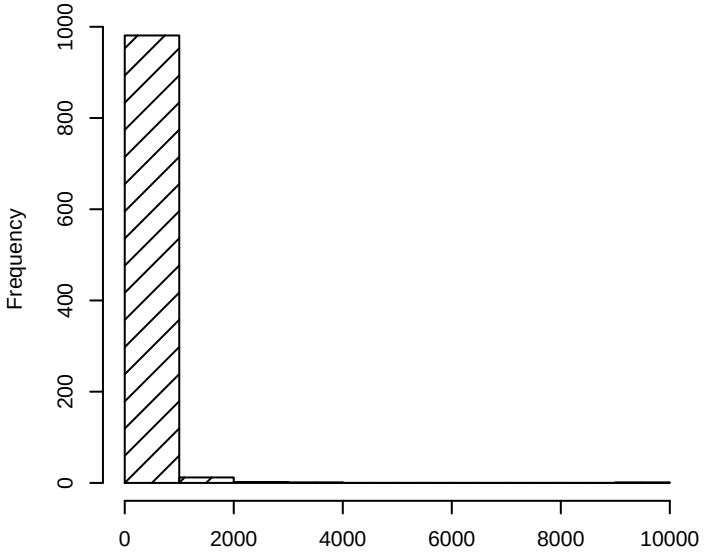

SAA (Uniprot: P0DJI8, ProbeID: 4336−2_1)
Frequency
0
50
100
150
200
8
10
12
14
16
log2−scaled data
Serum amyloid A−1 protein


SAA (Uniprot: P0DJI8, ProbeID: 4336−2_1)
log2−scaled data
8
10
12
14
16
G/G (426)
G/A (462)
A/A (109)
rs1993373 (Chr11:18280635)
Locus 22 top sentinel (CIS), p=7.1e−128, FC=3.393


SAA (Uniprot: P0DJI8, ProbeID: 4336−2_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Serum amyloid A−1 protein

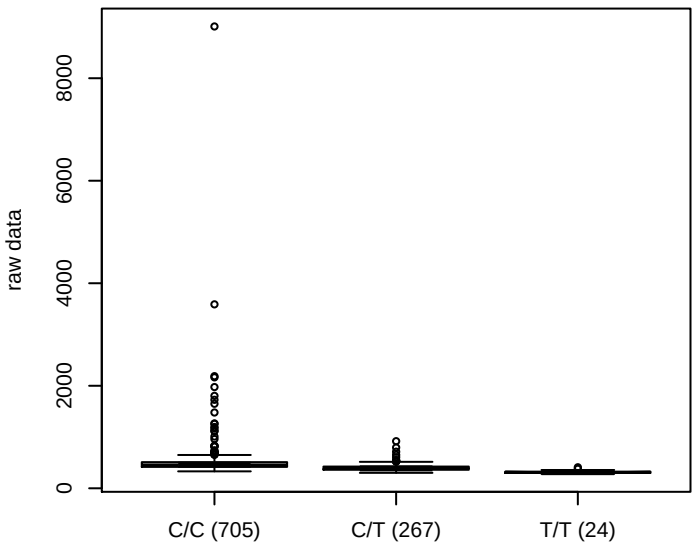

SAA (Uniprot: P0DJI8, ProbeID: 4336−2_1)
invnorm data
−3
−2
−1
0
1
2
3
G/G (426)
G/A (462)
A/A (109)
rs1993373 (Chr11:18280635)
Locus 22 top sentinel (CIS), p=2.2e−105

**ADAMTS−5 (Uniprot: Q9UNA0, ProbeID: 3168−8_2)**



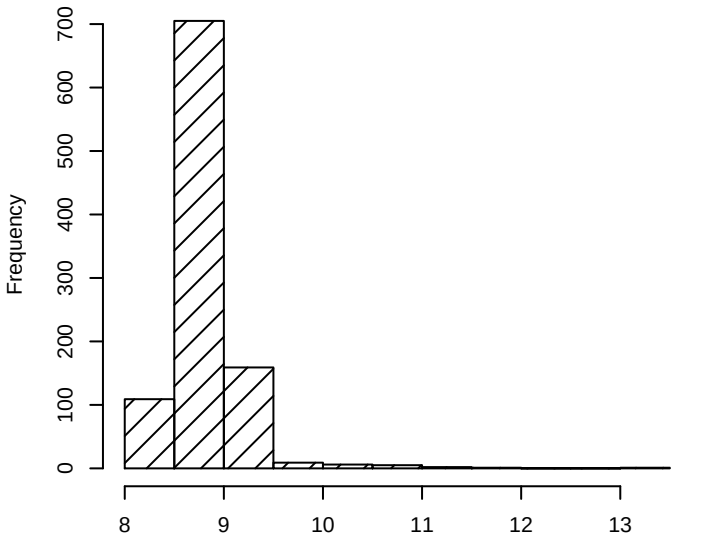

A disintegrin and metalloproteinase with thrombospondin motifs 5

**ADAMTS−5 (Uniprot: Q9UNA0, ProbeID: 3168−8_2)**



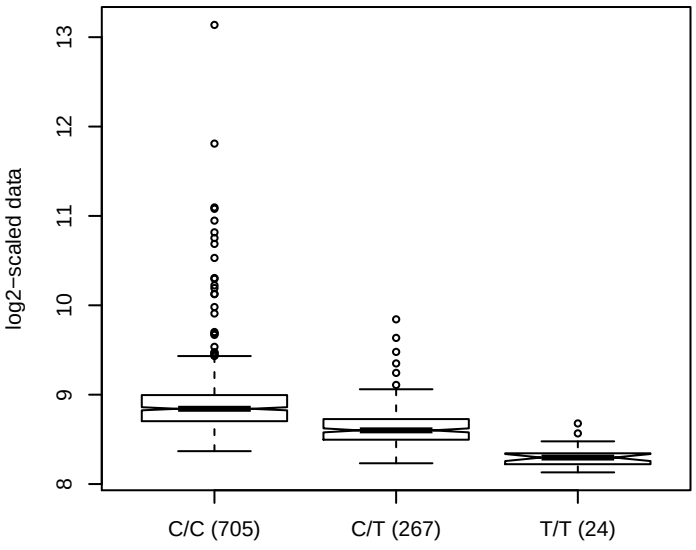

rs2830585 (Chr21:28305212)
Locus 23 top sentinel (CIS), p=3.3e−07

**ADAMTS−5 (Uniprot: Q9UNA0, ProbeID: 3168−8_2)**



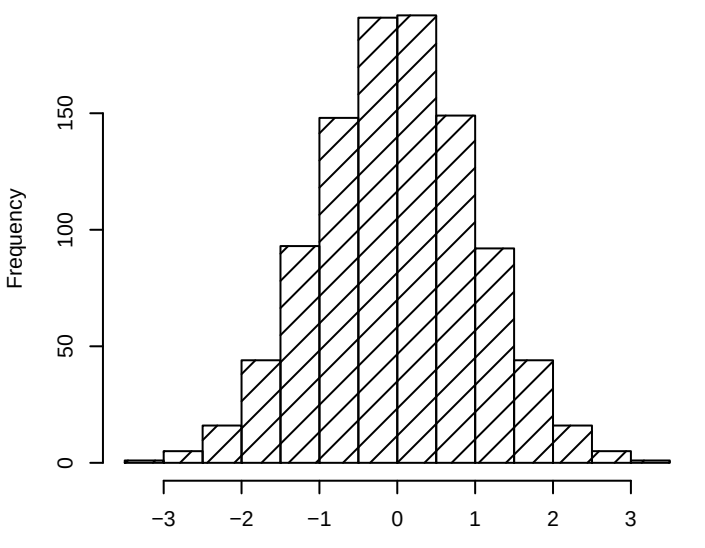

A disintegrin and metalloproteinase with thrombospondin motifs 5

**ADAMTS−5 (Uniprot: Q9UNA0, ProbeID: 3168−8_2)**



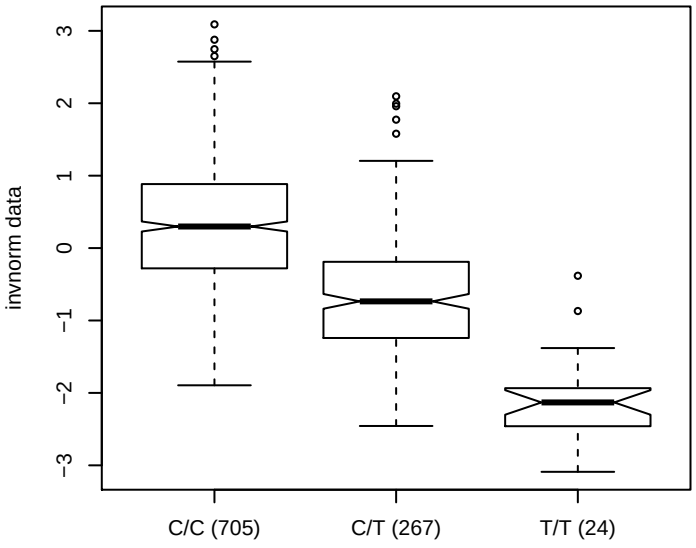

rs2830585 (Chr21:28305212)
Locus 23 top sentinel (CIS), p=1.2e−42, FC=−1.2146

**ADAMTS−5 (Uniprot: Q9UNA0, ProbeID: 3168−8_2)**

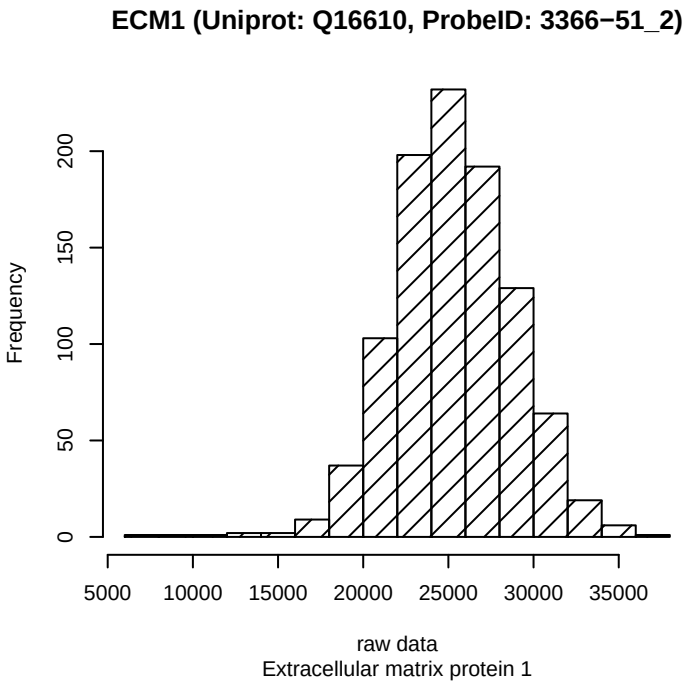


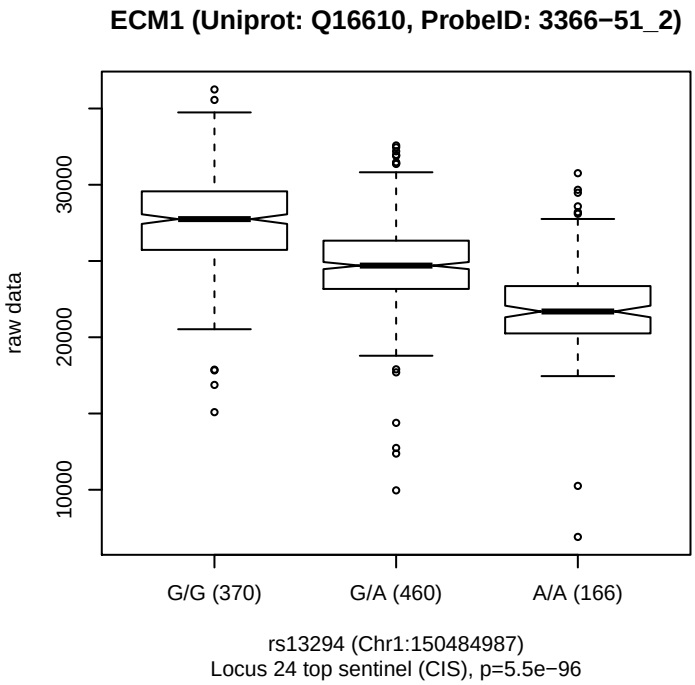

A disintegrin and metalloproteinase with thrombospondin motifs 5

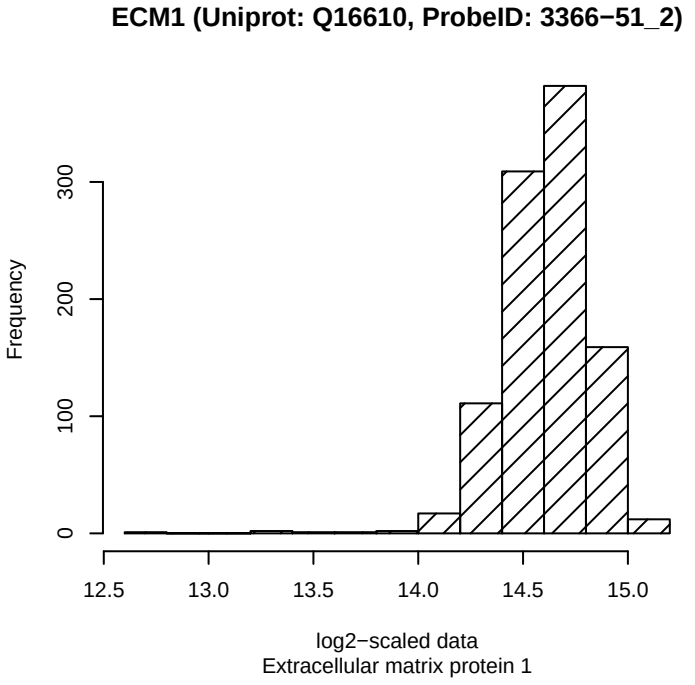
**ADAMTS−5 (Uniprot: Q9UNA0, ProbeID: 3168−8_2)**

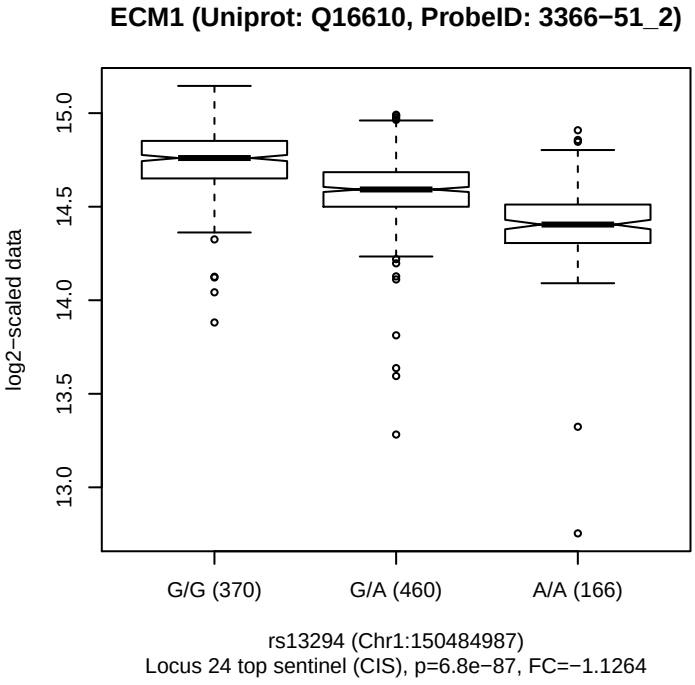


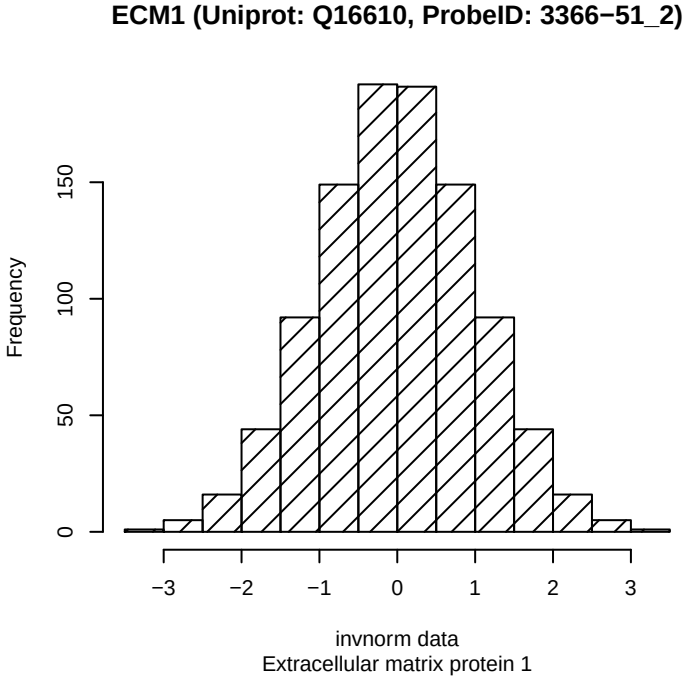

rs2830585 (Chr21:28305212)
Locus 23 top sentinel (CIS), p=3.9e−104

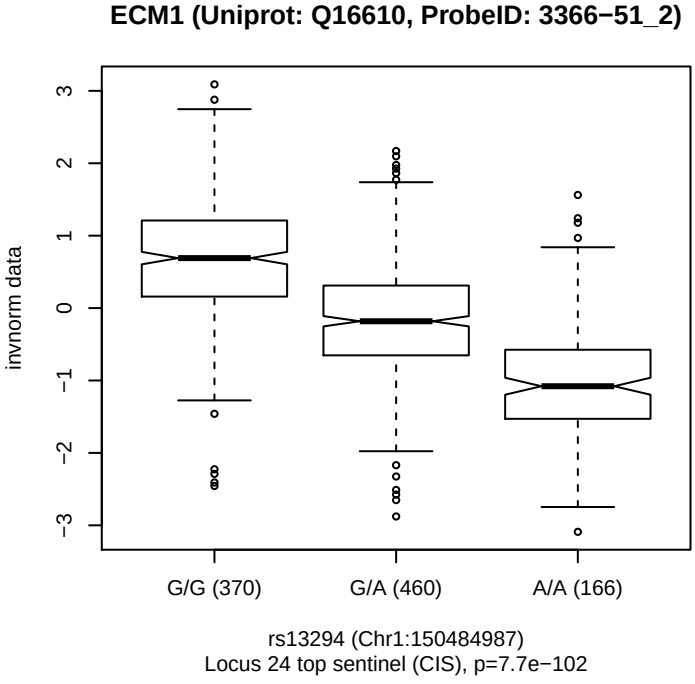

ECM1 (Uniprot: Q16610, ProbeID: 3366−51_2)
Frequency
0
50
100
150
200
5000
10000
15000
20000
25000
30000
35000
raw data
Extracellular matrix protein 1

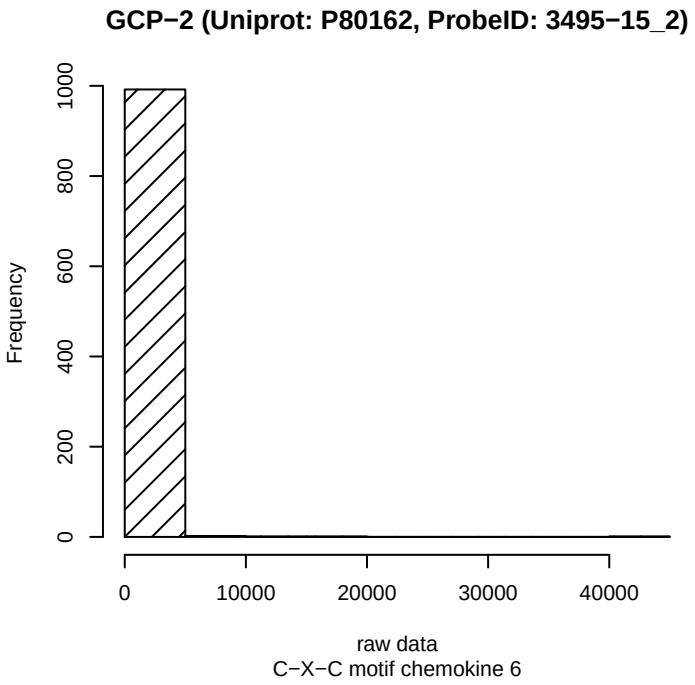

ECM1 (Uniprot: Q16610, ProbeID: 3366−51_2)
raw data
10000
20000
30000
G/G (370)
G/A (460)
A/A (166)
rs13294 (Chr1:150484987)
Locus 24 top sentinel (CIS), p=5.5e−96

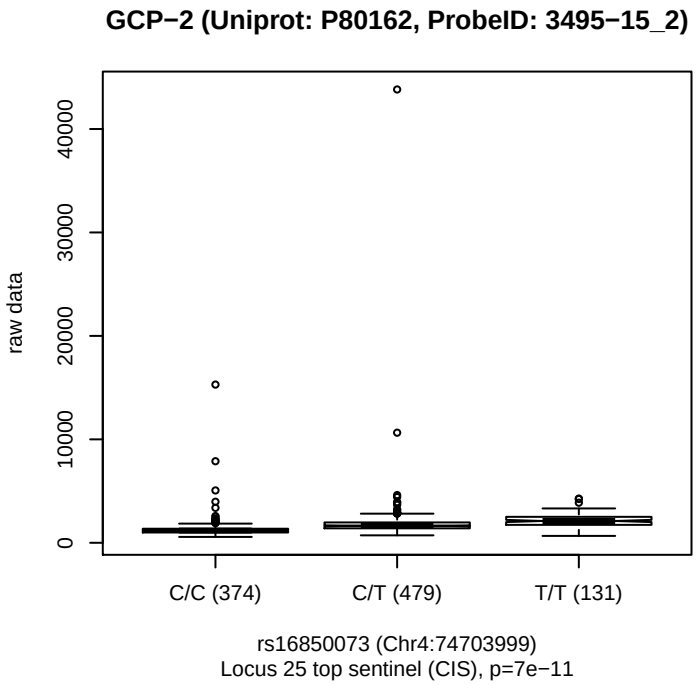

ECM1 (Uniprot: Q16610, ProbeID: 3366−51_2)
Frequency
0
100
200
300
12.5
13.0
13.5
14.0
14.5
15.0
log2−scaled data
Extracellular matrix protein 1

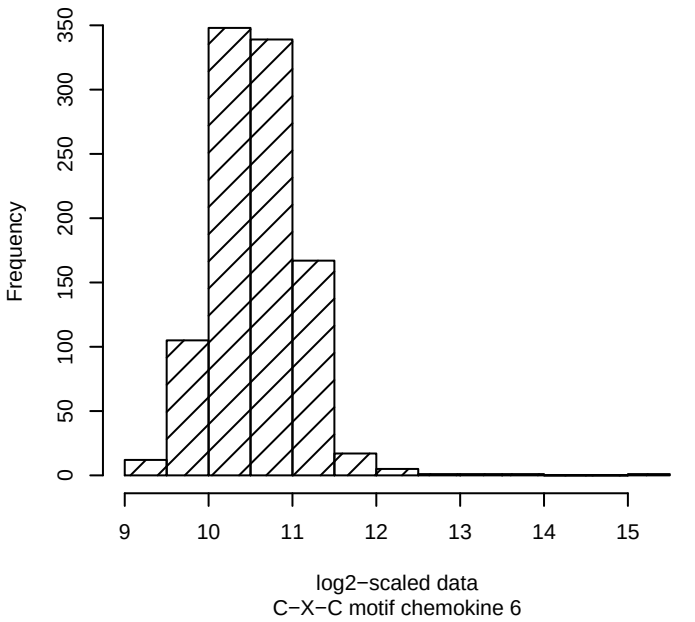

ECM1 (Uniprot: Q16610, ProbeID: 3366−51_2)
log2−scaled data
13.0
13.5
14.0
14.5
15.0
G/G (370)
G/A (460)
A/A (166)
rs13294 (Chr1:150484987)
Locus 24 top sentinel (CIS), p=6.8e−87, FC=−1.1264

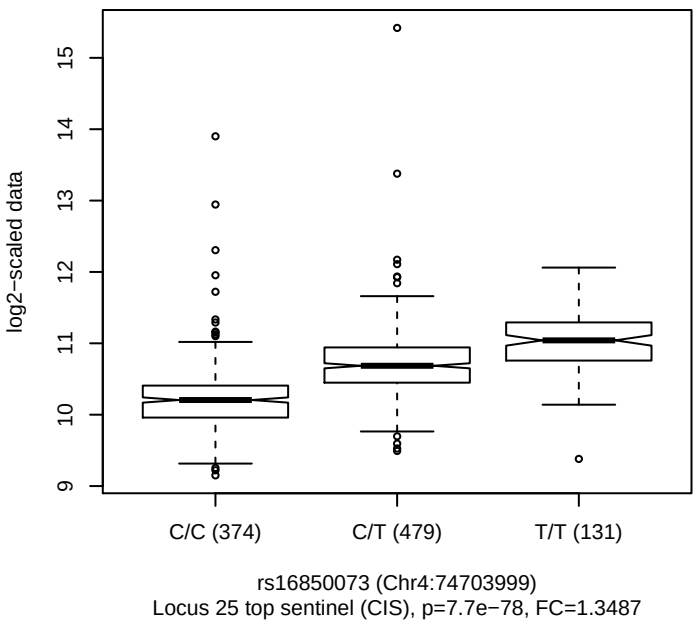

ECM1 (Uniprot: Q16610, ProbeID: 3366−51_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Extracellular matrix protein 1

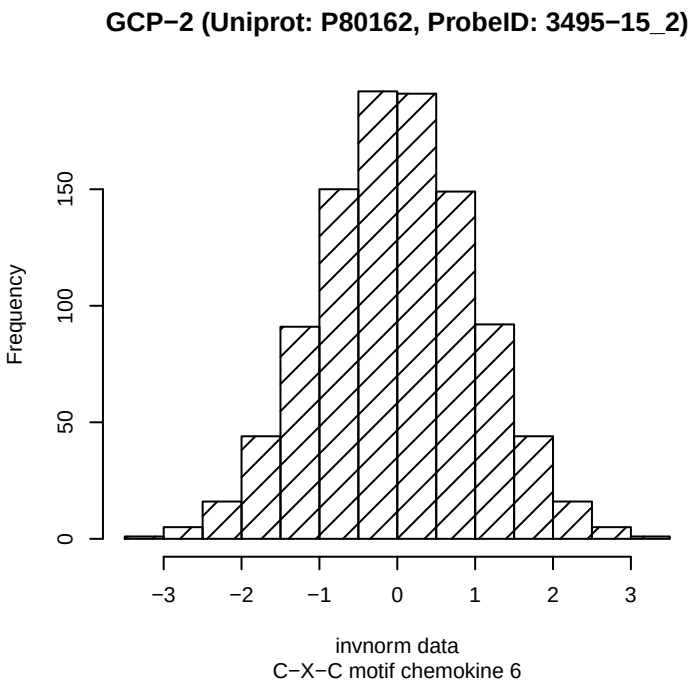

ECM1 (Uniprot: Q16610, ProbeID: 3366−51_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (370)
G/A (460)
A/A (166)
rs13294 (Chr1:150484987)
Locus 24 top sentinel (CIS), p=7.7e−102

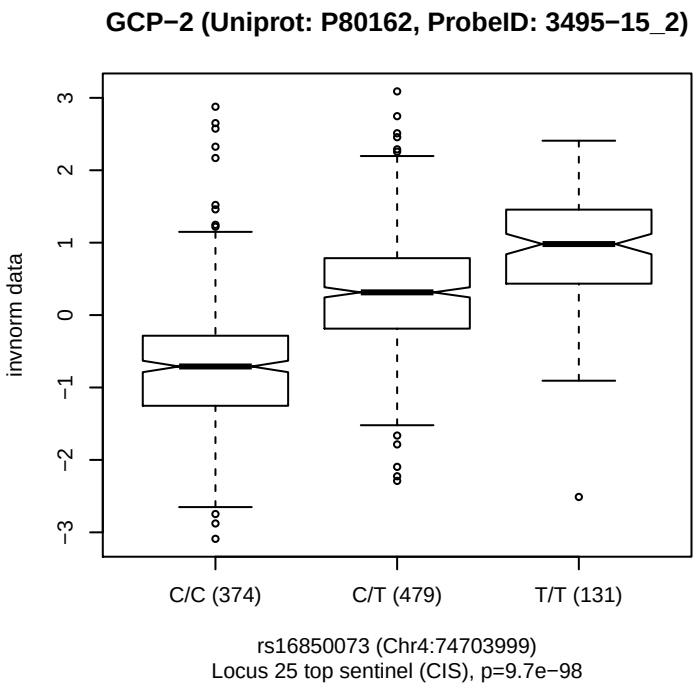

GCP−2 (Uniprot: P80162, ProbeID: 3495−15_2)
Frequency
0
200
400
600
800
1000
0
10000
20000
30000
40000
raw data
C−X−C motif chemokine 6

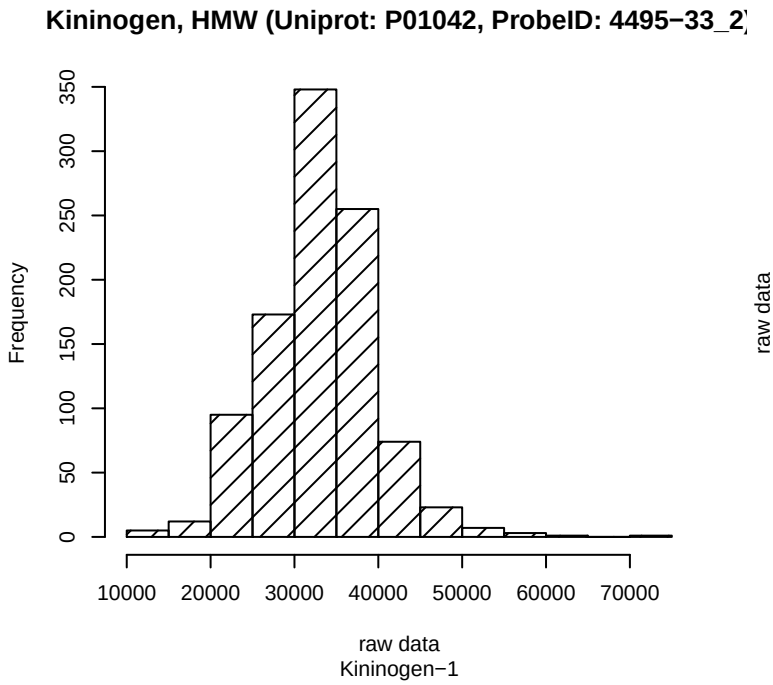

GCP−2 (Uniprot: P80162, ProbeID: 3495−15_2)
raw data
0
10000
20000
30000
40000
C/C (374)
C/T (479)
T/T (131)
rs16850073 (Chr4:74703999)
Locus 25 top sentinel (CIS), p=7e−11

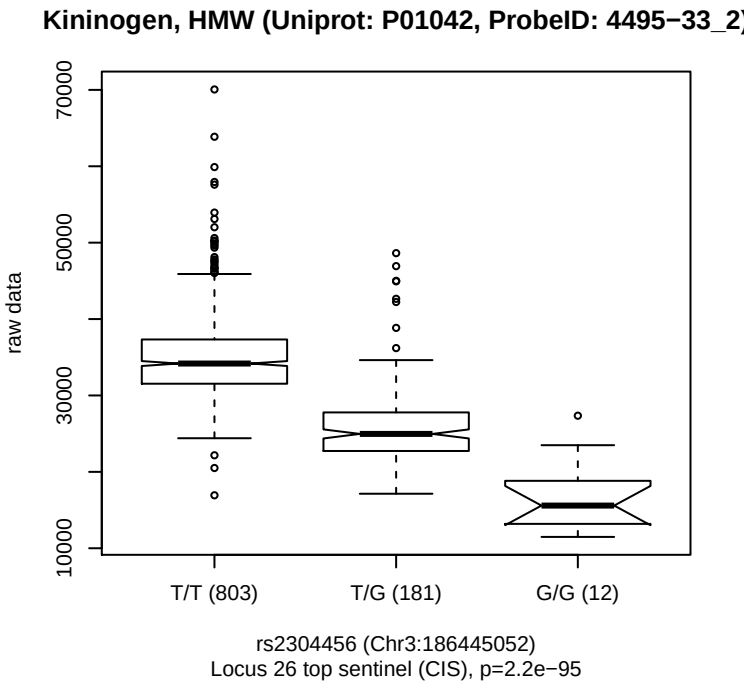

GCP−2 (Uniprot: P80162, ProbeID: 3495−15_2)
Frequency
0
50
100
150
200
250
300
350
9
10
11
12
13
14
15
log2−scaled data
C−X−C motif chemokine 6

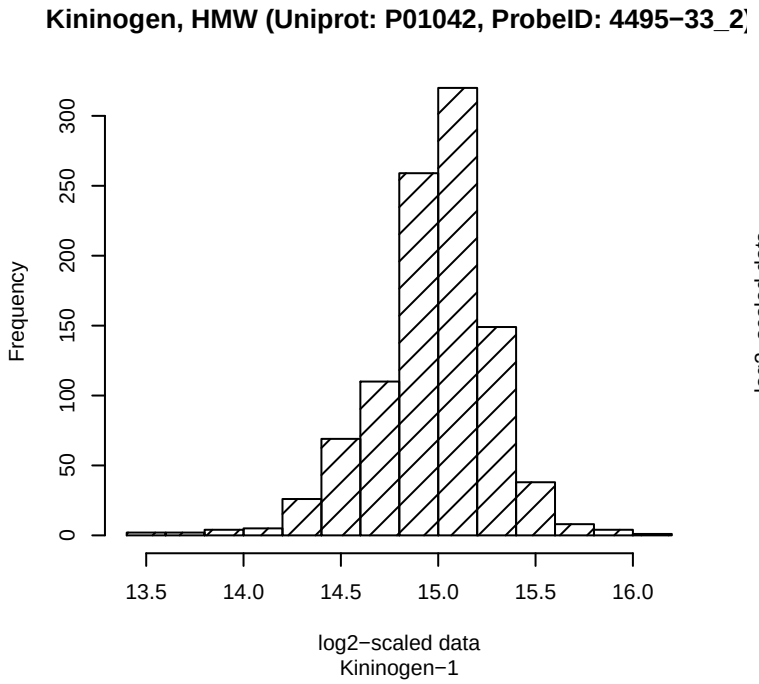

GCP−2 (Uniprot: P80162, ProbeID: 3495−15_2)
log2−scaled data
9
10
11
12
13
14
15
C/C (374)
C/T (479)
T/T (131)
rs16850073 (Chr4:74703999)
Locus 25 top sentinel (CIS), p=7.7e−78, FC=1.3487

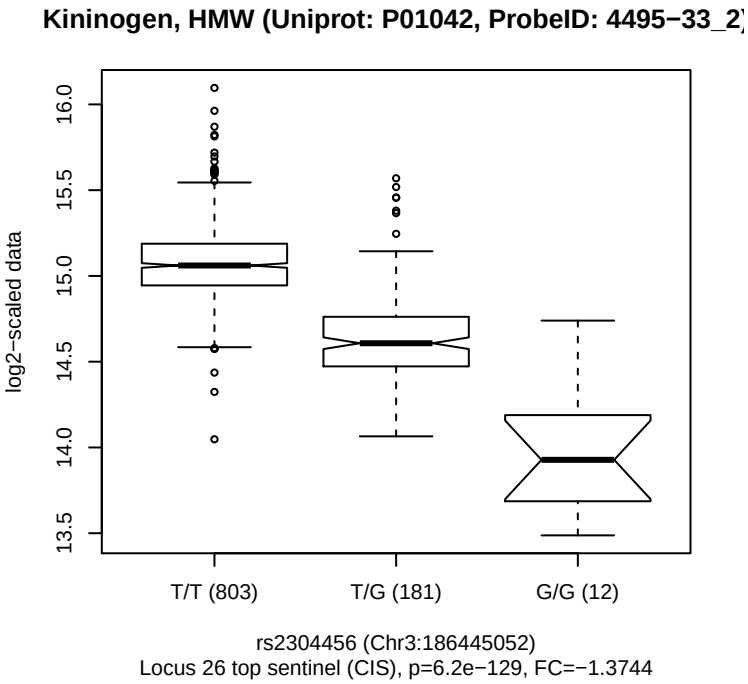

GCP−2 (Uniprot: P80162, ProbeID: 3495−15_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
C−X−C motif chemokine 6

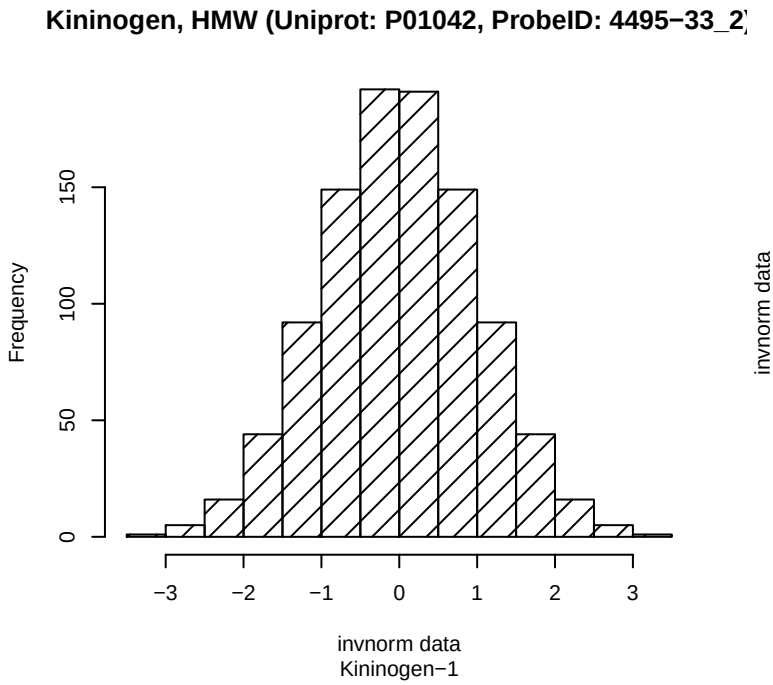

GCP−2 (Uniprot: P80162, ProbeID: 3495−15_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (374)
C/T (479)
T/T (131)
rs16850073 (Chr4:74703999)
Locus 25 top sentinel (CIS), p=9.7e−98

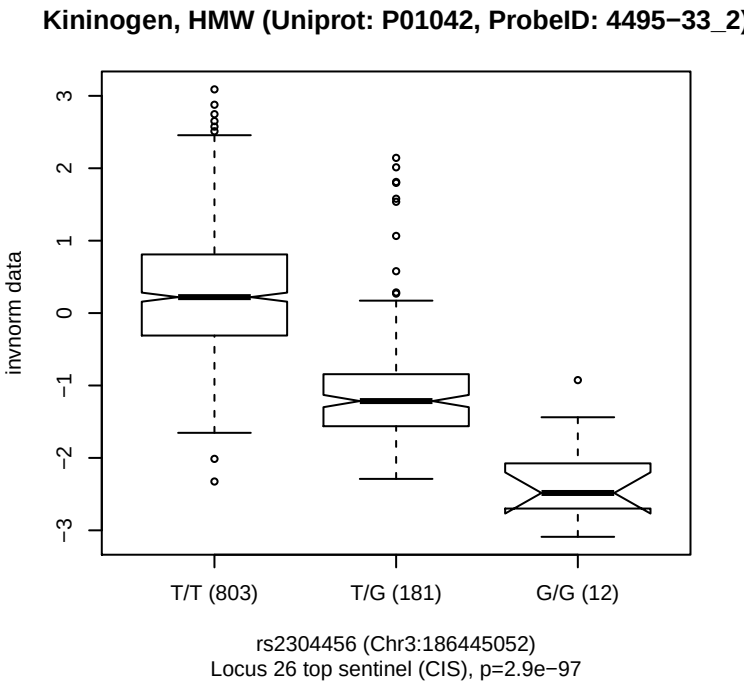

Kininogen, HMW (Uniprot: P01042, ProbeID: 4495−33_2)
Frequency
0
50
100
150
200
250
300
350
10000
20000
30000
40000
50000
60000
70000
raw data
Kininogen−1

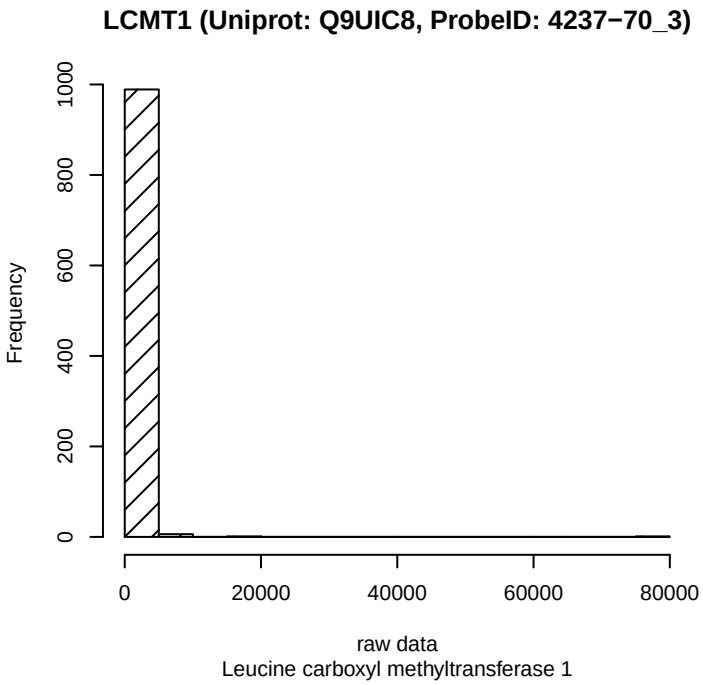

Kininogen, HMW (Uniprot: P01042, ProbeID: 4495−33_2)
raw data
10000
30000
50000
70000
T/T (803)
T/G (181)
G/G (12)
rs2304456 (Chr3:186445052)
Locus 26 top sentinel (CIS), p=2.2e−95

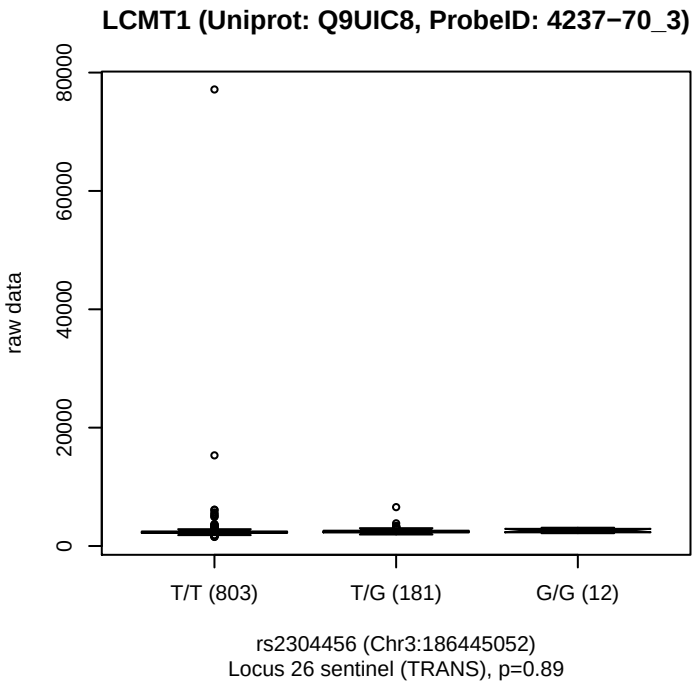

Kininogen, HMW (Uniprot: P01042, ProbeID: 4495−33_2)
Frequency
0
50
100
150
200
250
300
13.5
14.0
14.5
15.0
15.5
16.0
log2−scaled data
Kininogen−1

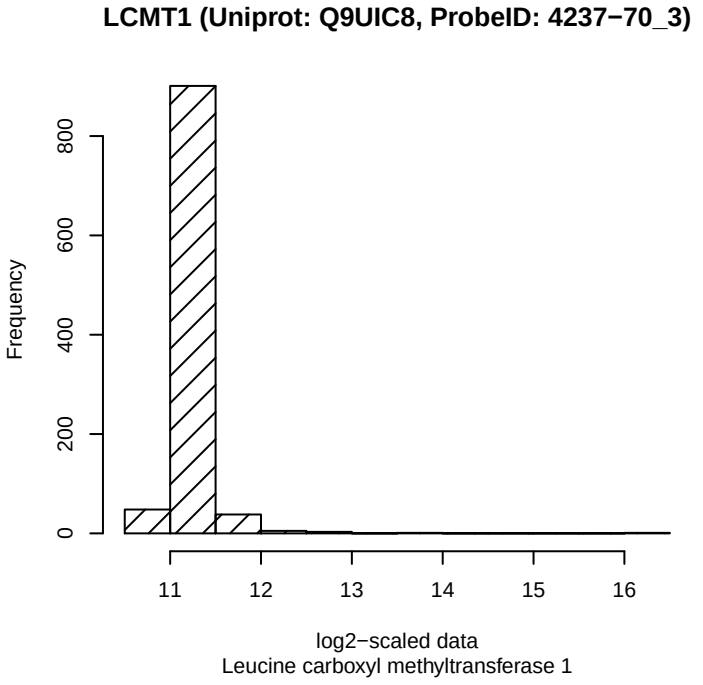

Kininogen, HMW (Uniprot: P01042, ProbeID: 4495−33_2)
log2−scaled data
13.5
14.0
14.5
15.0
15.5
16.0
T/T (803)
T/G (181)
G/G (12)
rs2304456 (Chr3:186445052)
Locus 26 top sentinel (CIS), p=6.2e−129, FC=−1.3744

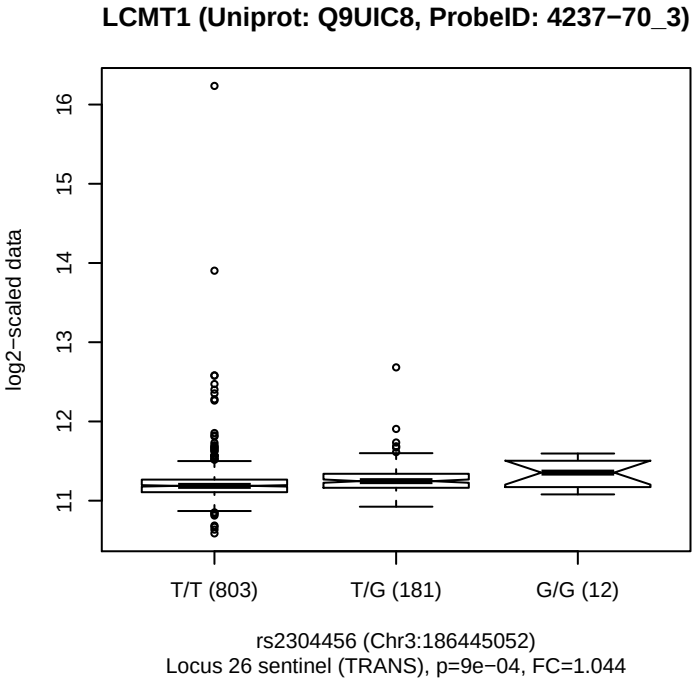

Kininogen, HMW (Uniprot: P01042, ProbeID: 4495−33_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Kininogen−1

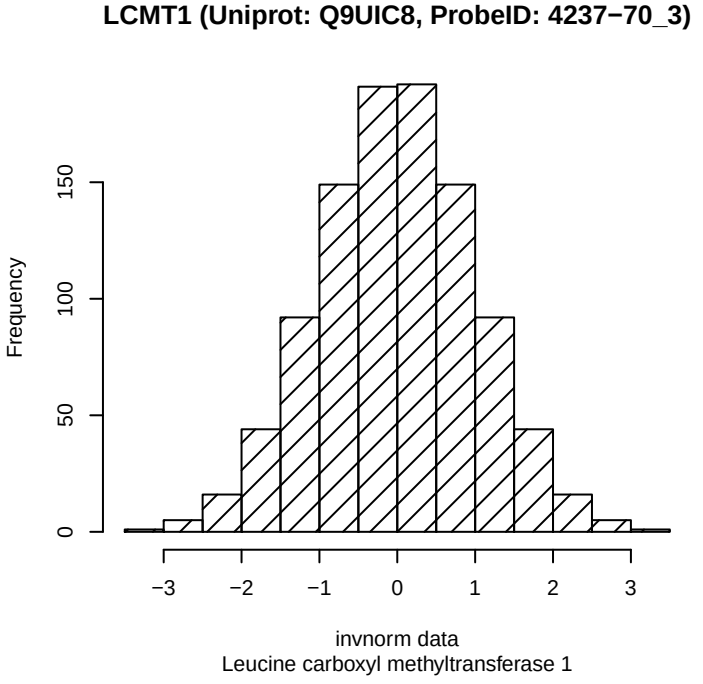

Kininogen, HMW (Uniprot: P01042, ProbeID: 4495−33_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (803)
T/G (181)
G/G (12)
rs2304456 (Chr3:186445052)
Locus 26 top sentinel (CIS), p=2.9e−97

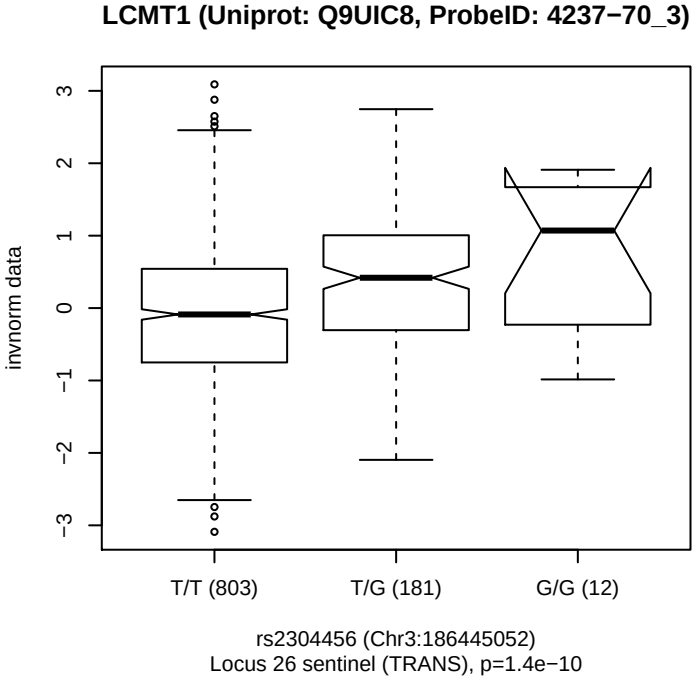

LCMT1 (Uniprot: Q9UIC8, ProbeID: 4237−70_3)
Frequency
0
200
400
600
800
1000
0
20000
40000
60000
80000
raw data
Leucine carboxyl methyltransferase 1

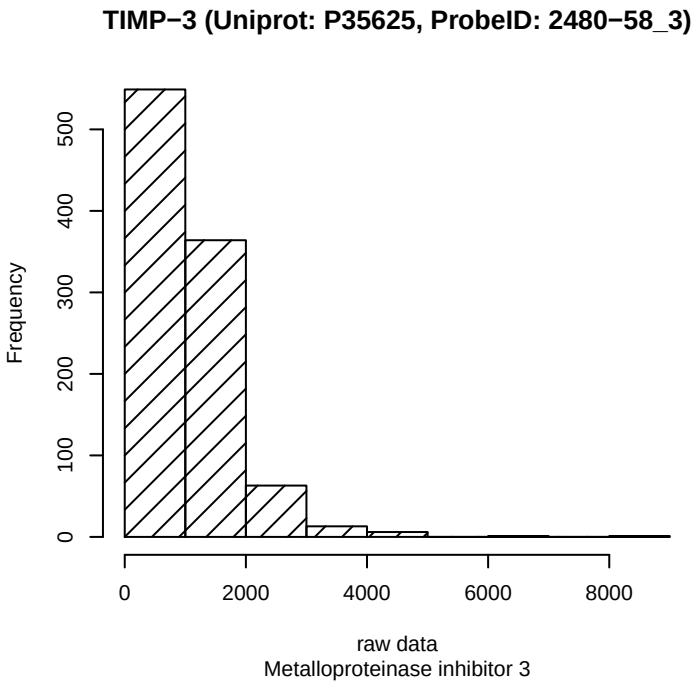

LCMT1 (Uniprot: Q9UIC8, ProbeID: 4237−70_3)
raw data
0
20000
40000
60000
80000
T/T (803)
T/G (181)
G/G (12)
rs2304456 (Chr3:186445052)
Locus 26 sentinel (TRANS), p=0.89

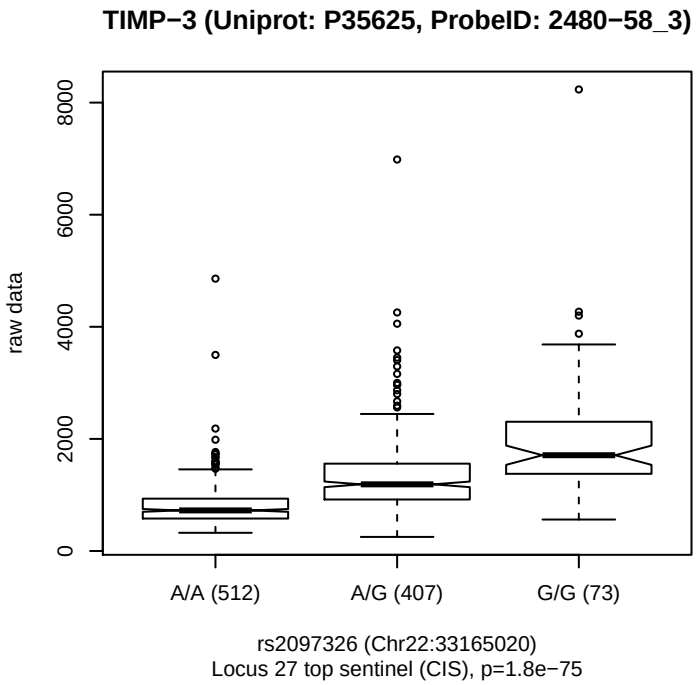

LCMT1 (Uniprot: Q9UIC8, ProbeID: 4237−70_3)
Frequency
0
200
400
600
800
11
12
13
14
15
16
log2−scaled data
Leucine carboxyl methyltransferase 1

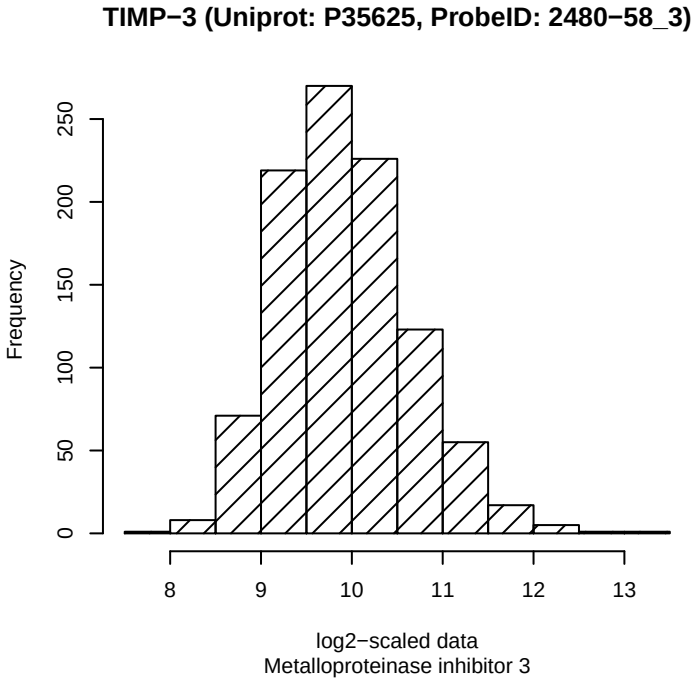

LCMT1 (Uniprot: Q9UIC8, ProbeID: 4237−70_3)
log2−scaled data
11
12
13
14
15
16
T/T (803)
T/G (181)
G/G (12)
rs2304456 (Chr3:186445052)
Locus 26 sentinel (TRANS), p=9e−04, FC=1.044

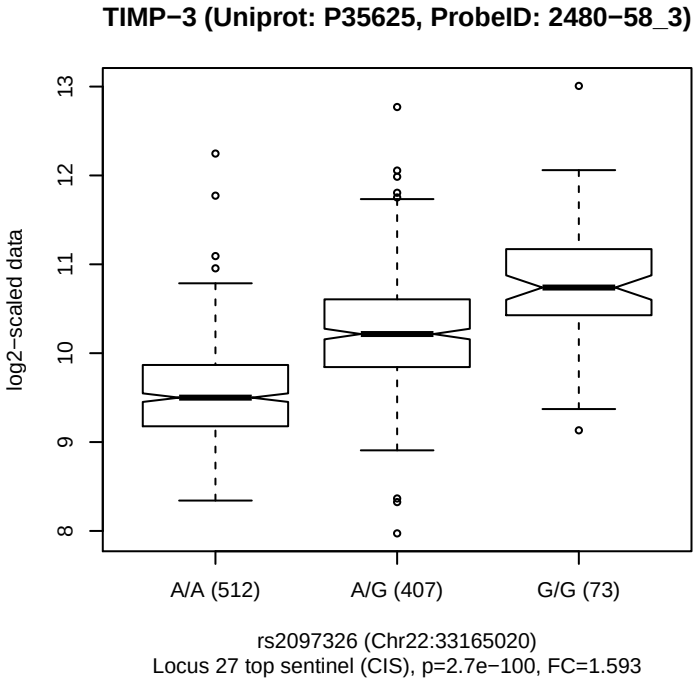

LCMT1 (Uniprot: Q9UIC8, ProbeID: 4237−70_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Leucine carboxyl methyltransferase 1

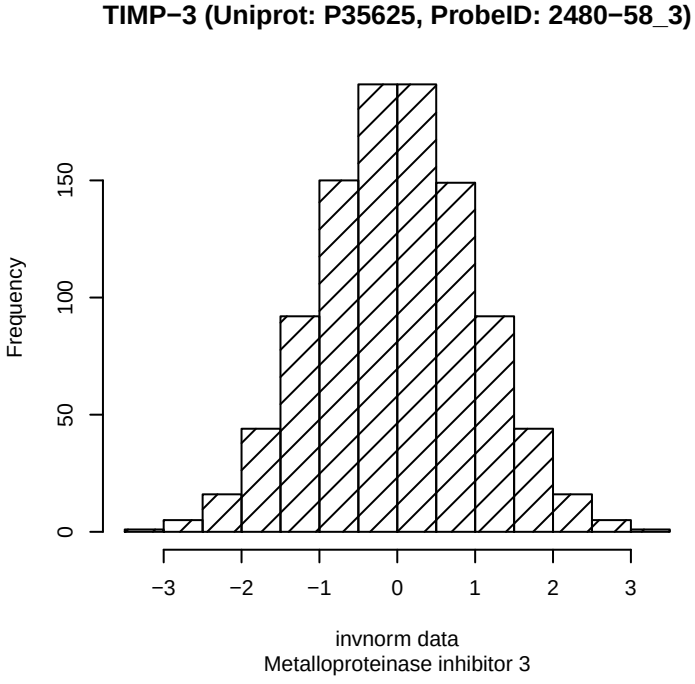

LCMT1 (Uniprot: Q9UIC8, ProbeID: 4237−70_3)
invnorm data
−3
−2
−1
0
1
2
3
T/T (803)
T/G (181)
G/G (12)
rs2304456 (Chr3:186445052)
Locus 26 sentinel (TRANS), p=1.4e−10

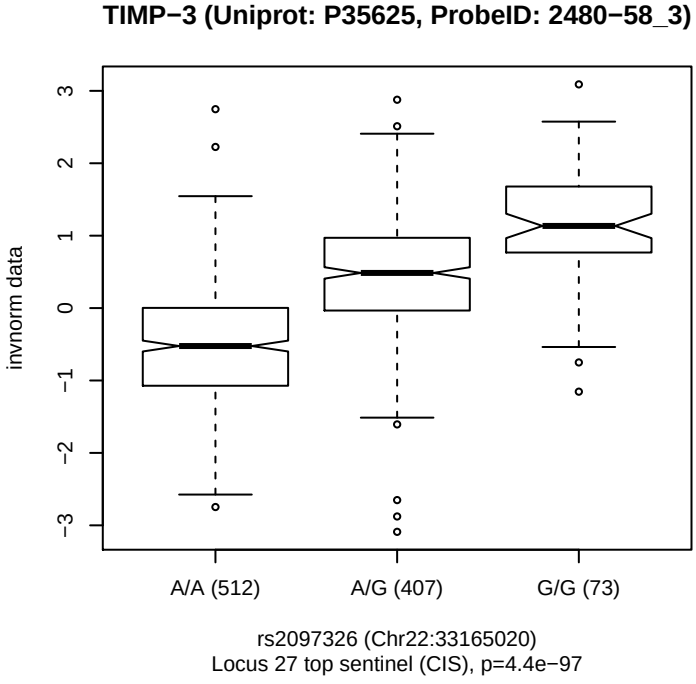

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
Frequency
0
100
200
300
400
500
0
2000
4000
6000
8000
raw data
Metalloproteinase inhibitor 3

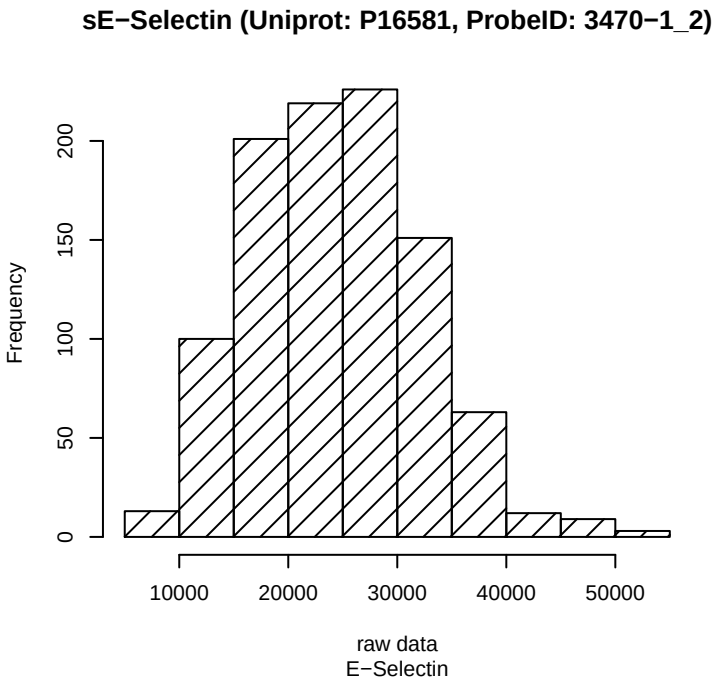

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
raw data
0
2000
4000
6000
8000
A/A (512)
A/G (407)
G/G (73)
rs2097326 (Chr22:33165020)
Locus 27 top sentinel (CIS), p=1.8e−75

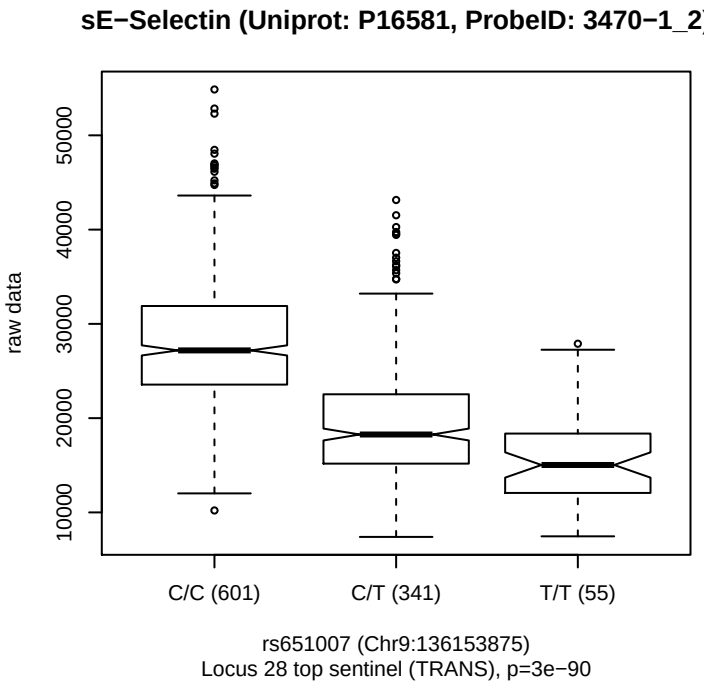

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
Frequency
0
50
100
150
200
250
8
9
10
11
12
13
log2−scaled data
Metalloproteinase inhibitor 3

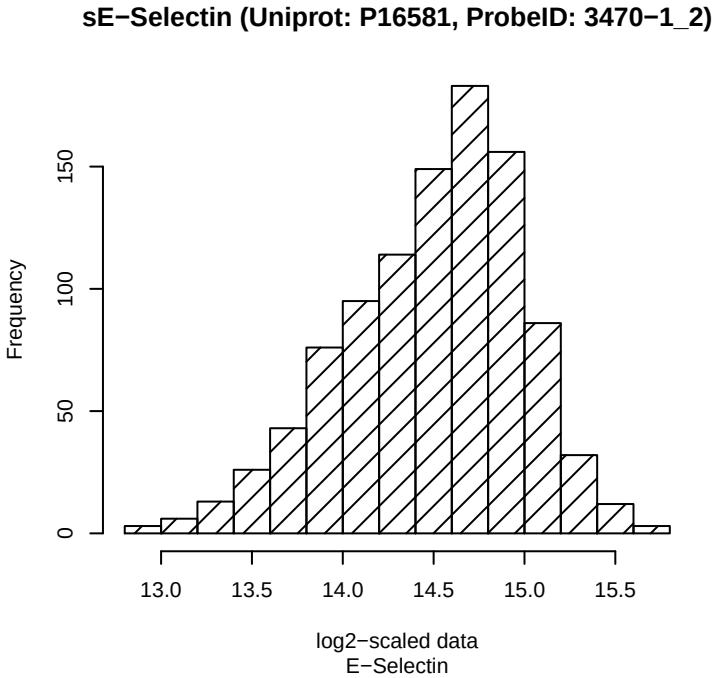

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
log2−scaled data
8
9
10
11
12
13
A/A (512)
A/G (407)
G/G (73)
rs2097326 (Chr22:33165020)
Locus 27 top sentinel (CIS), p=2.7e−100, FC=1.593

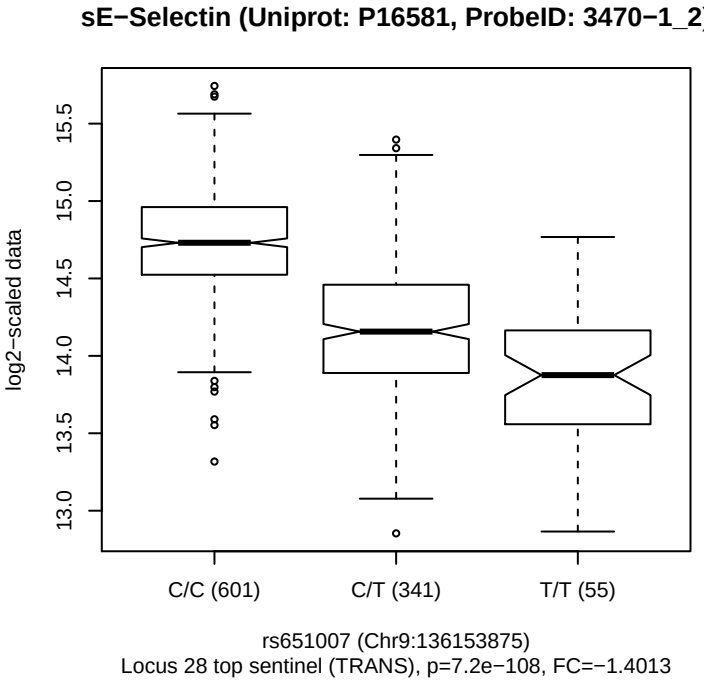

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Metalloproteinase inhibitor 3

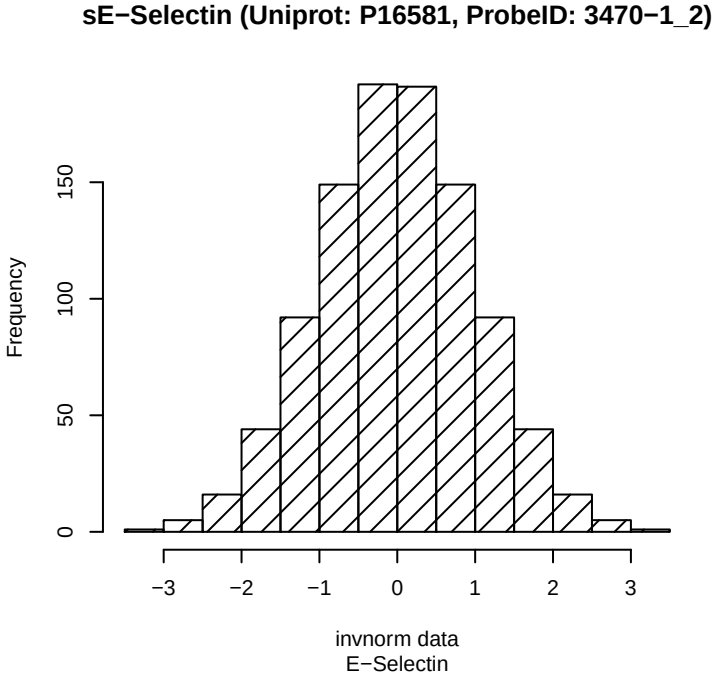

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
invnorm data
−3
−2
−1
0
1
2
3
A/A (512)
A/G (407)
G/G (73)
rs2097326 (Chr22:33165020)
Locus 27 top sentinel (CIS), p=4.4e−97

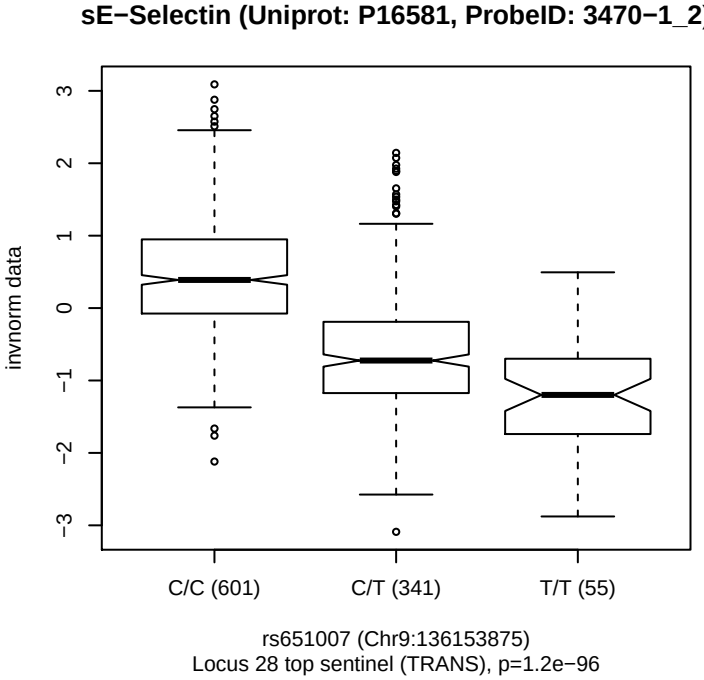

sE−Selectin (Uniprot: P16581, ProbeID: 3470−1_2)
Frequency
0
50
100
150
200
10000
20000
30000
40000
50000
raw data
E−Selectin

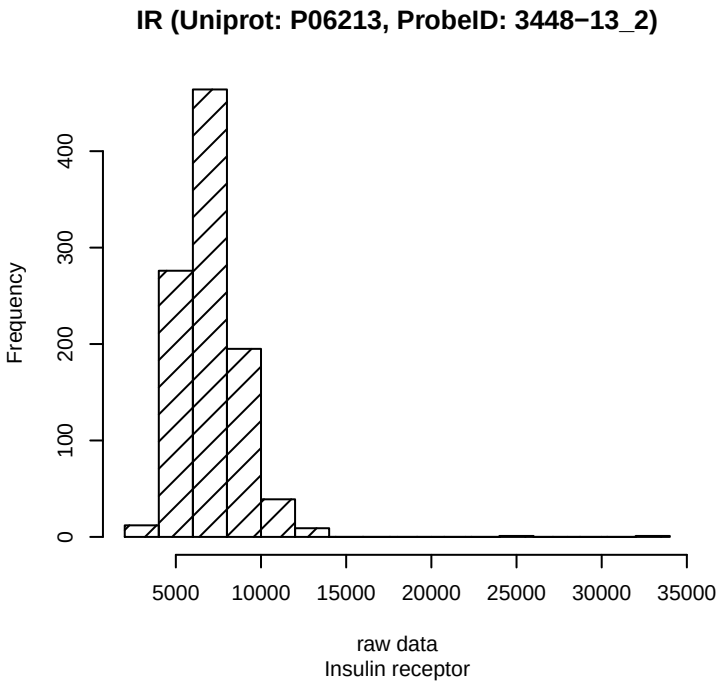

sE−Selectin (Uniprot: P16581, ProbeID: 3470−1_2)
raw data
10000
20000
30000
40000
50000
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 top sentinel (TRANS), p=3e−90

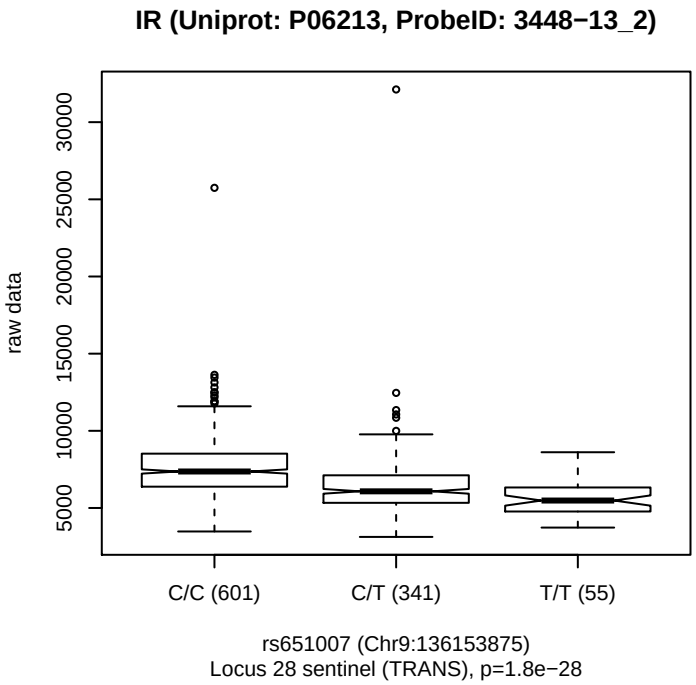

sE−Selectin (Uniprot: P16581, ProbeID: 3470−1_2)
Frequency
0
50
100
150
13.0
13.5
14.0
14.5
15.0
15.5
log2−scaled data
E−Selectin

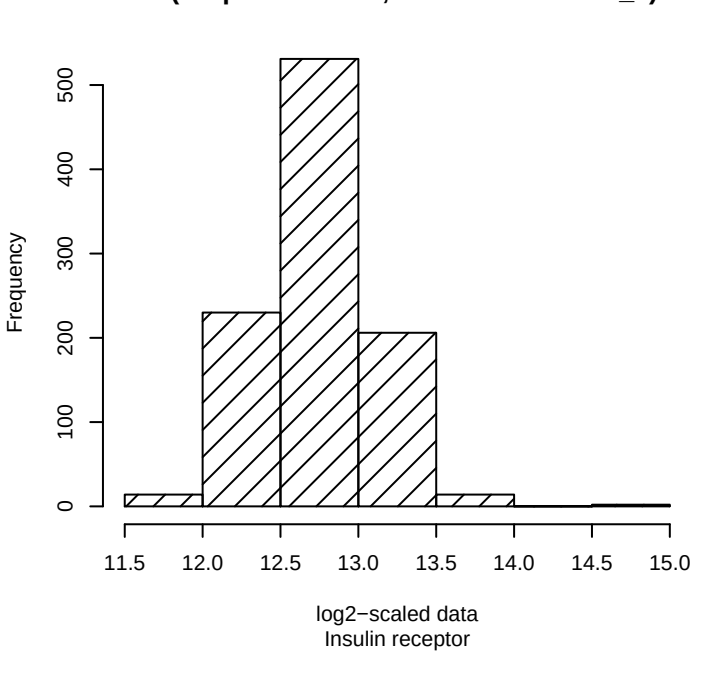

sE−Selectin (Uniprot: P16581, ProbeID: 3470−1_2)
log2−scaled data
13.0
13.5
14.0
14.5
15.0
15.5
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 top sentinel (TRANS), p=7.2e−108, FC=−1.4013

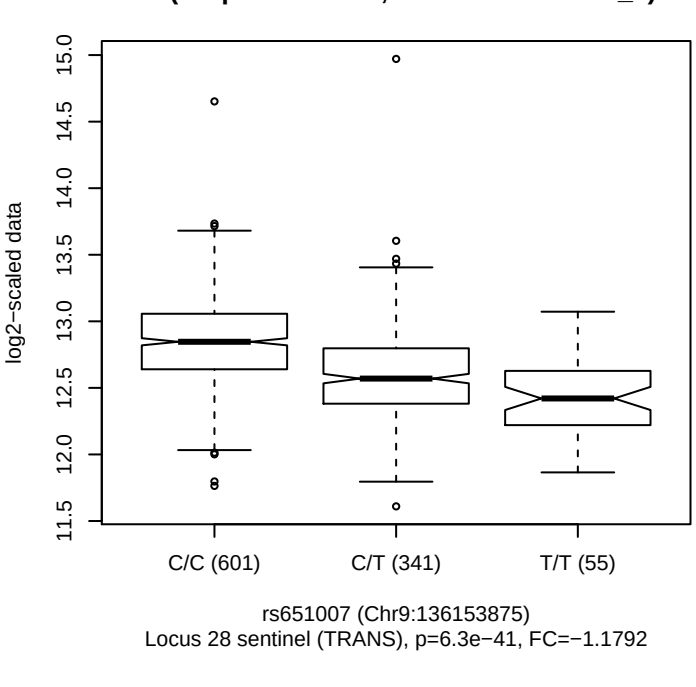

sE−Selectin (Uniprot: P16581, ProbeID: 3470−1_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
E−Selectin

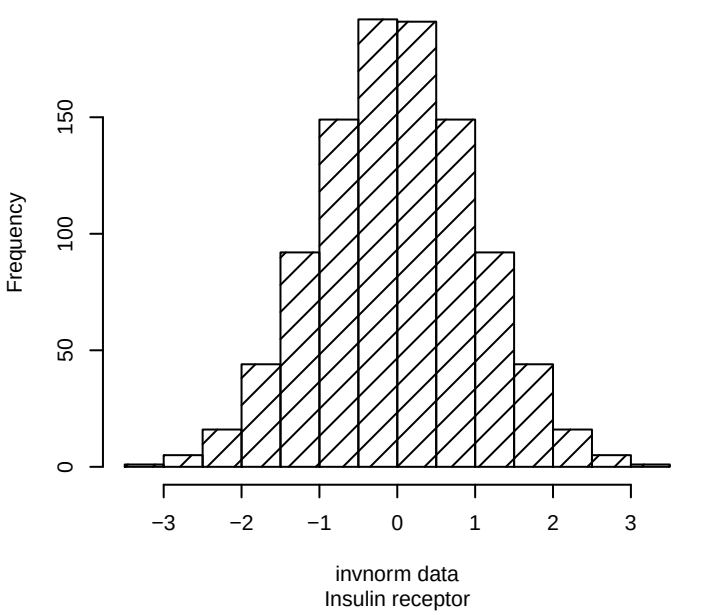

sE−Selectin (Uniprot: P16581, ProbeID: 3470−1_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 top sentinel (TRANS), p=1.2e−96

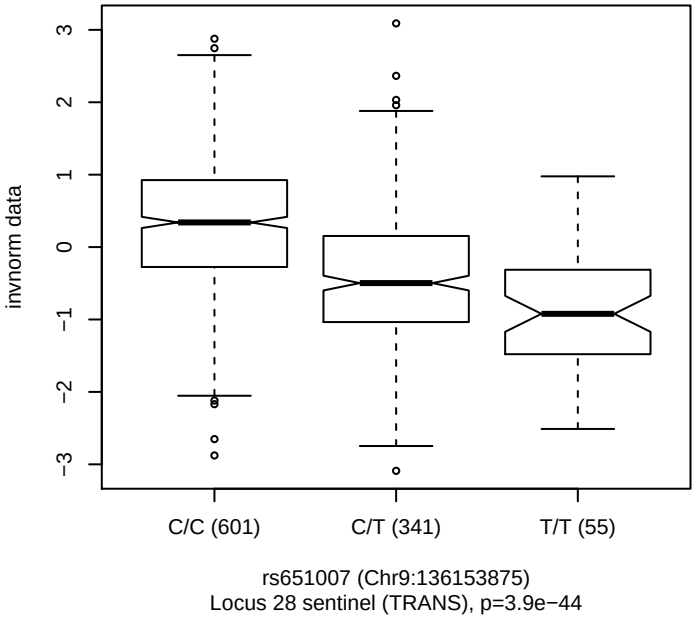

IR (Uniprot: P06213, ProbeID: 3448−13_2)
Frequency
0
100
200
300
400
5000
10000
15000
20000
25000
30000
35000
raw data
Insulin receptor

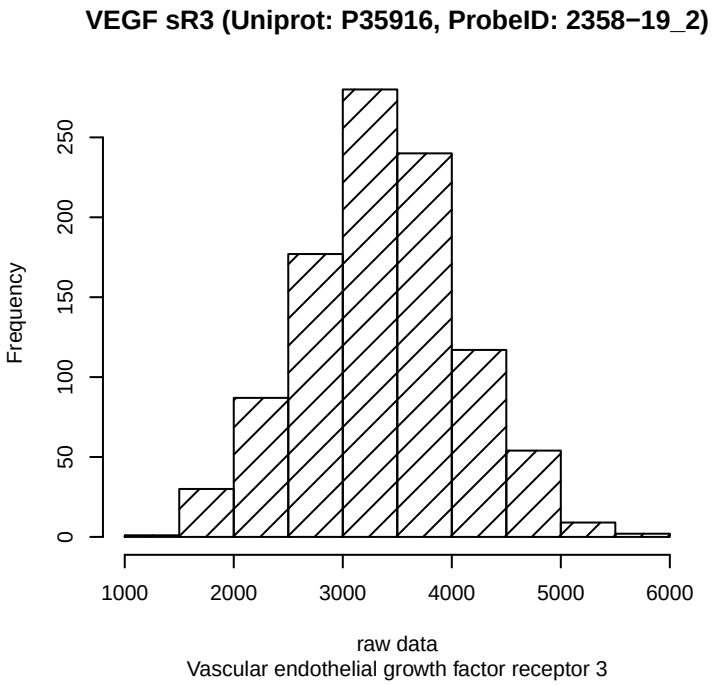

IR (Uniprot: P06213, ProbeID: 3448−13_2)
raw data
5000
10000
15000
20000
25000
30000
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 sentinel (TRANS), p=1.8e−28

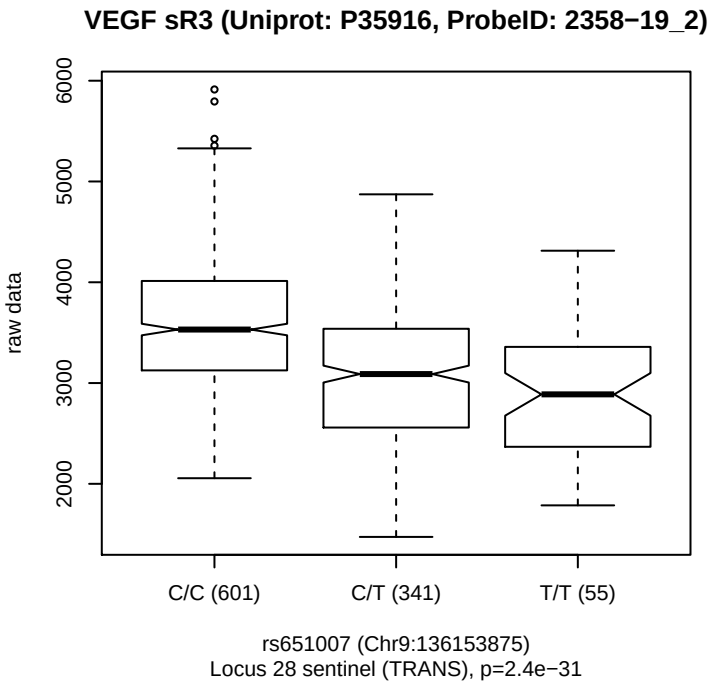

IR (Uniprot: P06213, ProbeID: 3448−13_2)
Frequency
0
100
200
300
400
500
11.5
12.0
12.5
13.0
13.5
14.0
14.5
15.0
log2−scaled data
Insulin receptor

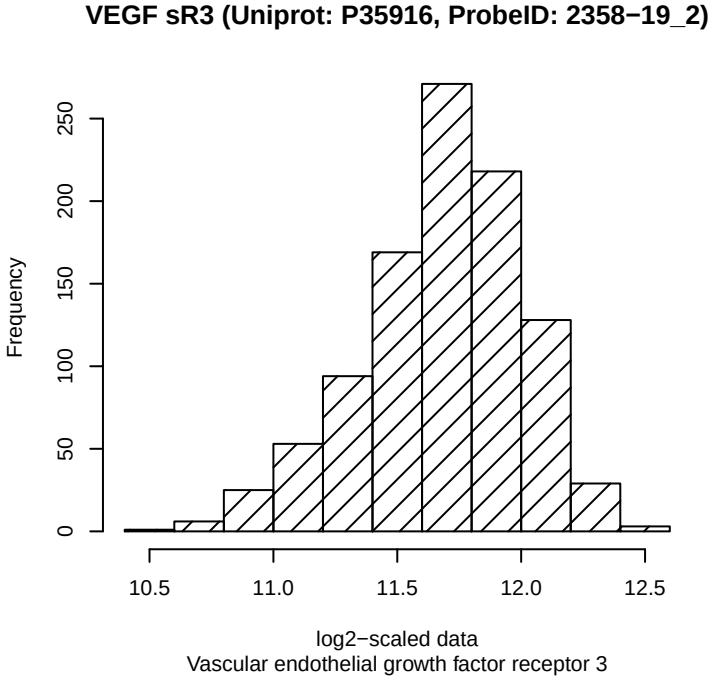

IR (Uniprot: P06213, ProbeID: 3448−13_2)
log2−scaled data
11.5
12.0
12.5
13.0
13.5
14.0
14.5
15.0
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 sentinel (TRANS), p=6.3e−41, FC=−1.1792

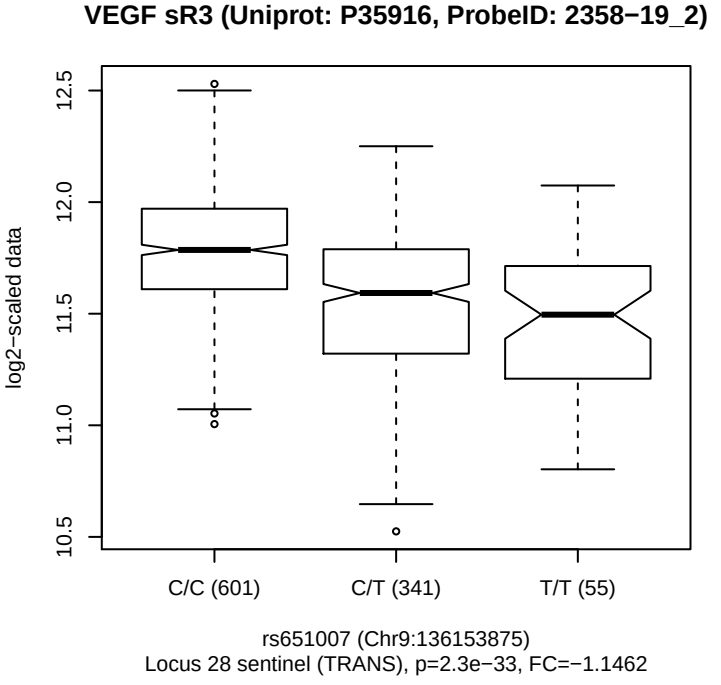

IR (Uniprot: P06213, ProbeID: 3448−13_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Insulin receptor

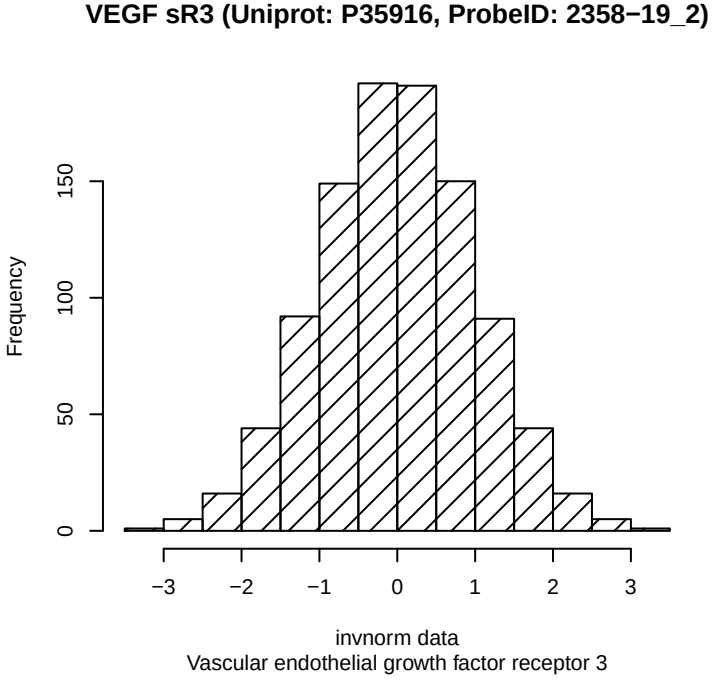

IR (Uniprot: P06213, ProbeID: 3448−13_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 sentinel (TRANS), p=3.9e−44

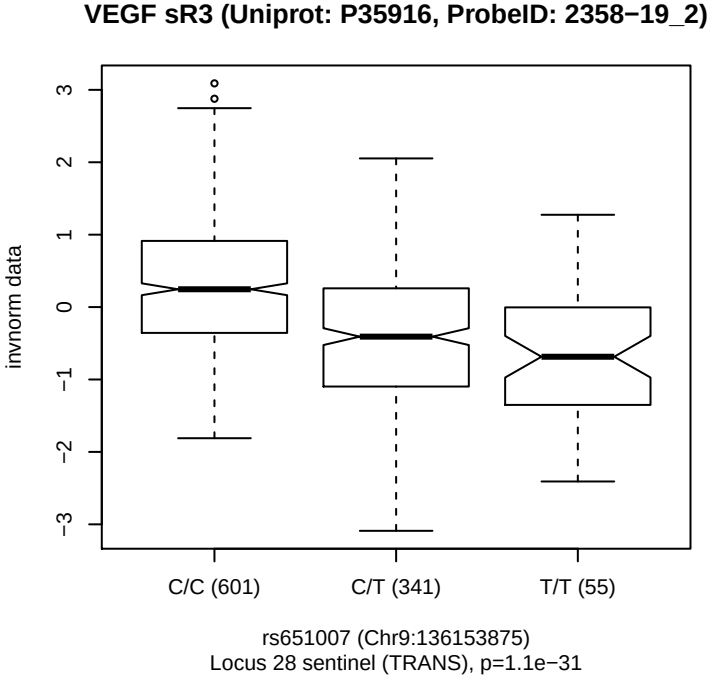

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
Frequency
0
50
100
150
200
250
1000
2000
3000
4000
5000
6000
raw data
Vascular endothelial growth factor receptor 3


VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
raw data
2000
3000
4000
5000
6000
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 sentinel (TRANS), p=2.4e−31

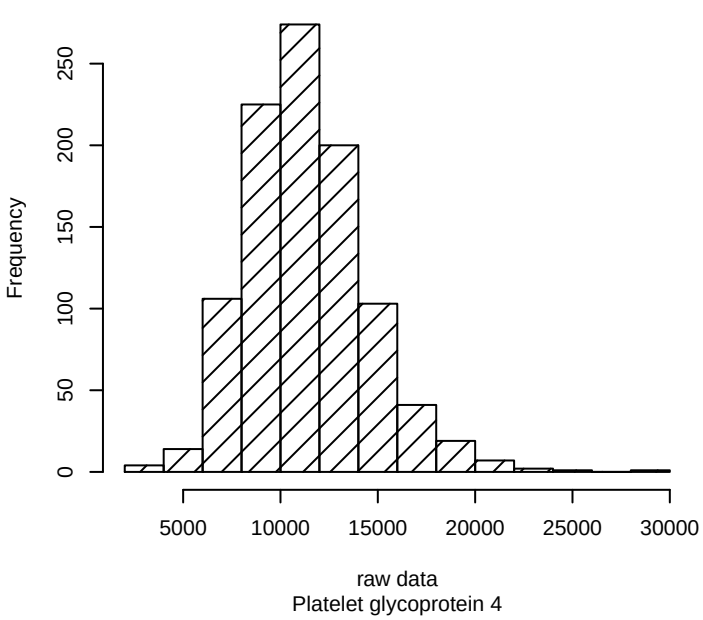

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
Frequency
0
50
100
150
200
250
10.5
11.0
11.5
12.0
12.5
log2−scaled data
Vascular endothelial growth factor receptor 3


VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
log2−scaled data
10.5
11.0
11.5
12.0
12.5
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 sentinel (TRANS), p=2.3e−33, FC=−1.1462

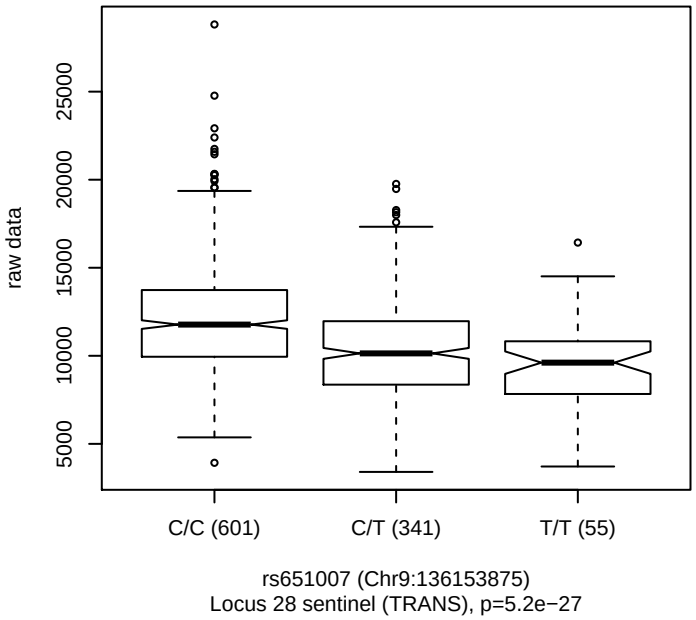

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Vascular endothelial growth factor receptor 3


VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 sentinel (TRANS), p=1.1e−31

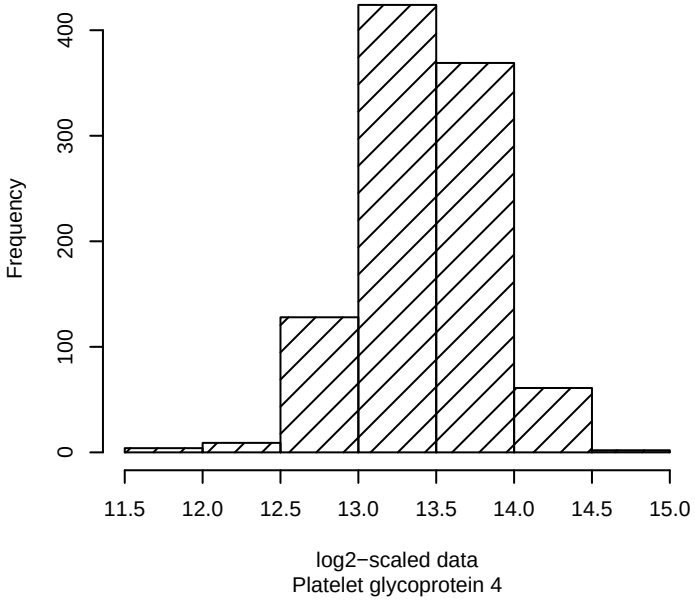
**CD36 ANTIGEN (Uniprot: P16671, ProbeID: 2973−15_2)**



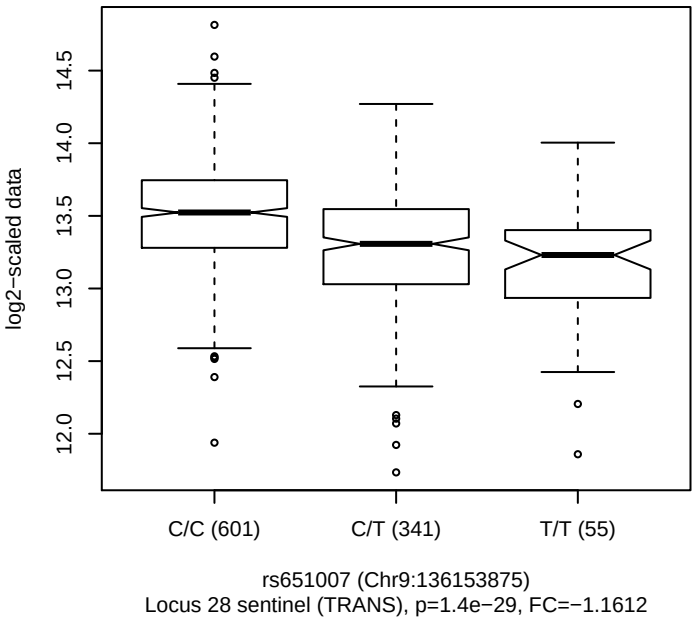

**CD36 ANTIGEN (Uniprot: P16671, ProbeID: 2973−15_2)**



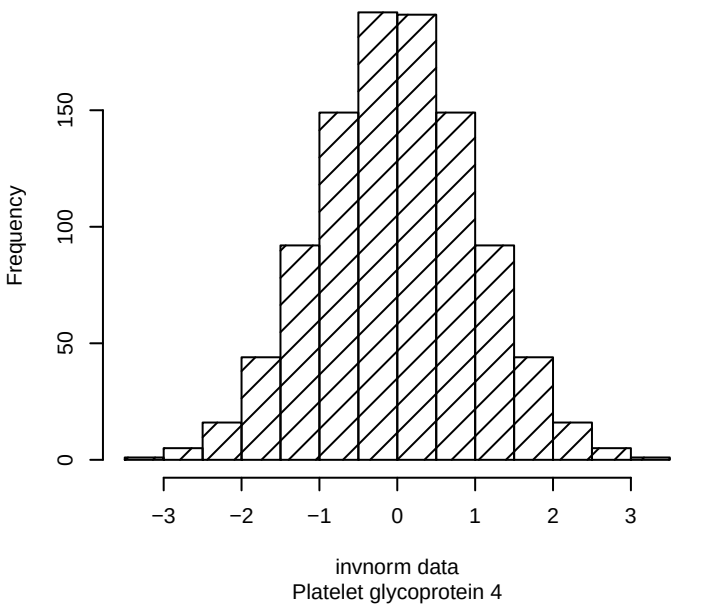

**CD36 ANTIGEN (Uniprot: P16671, ProbeID: 2973−15_2)**



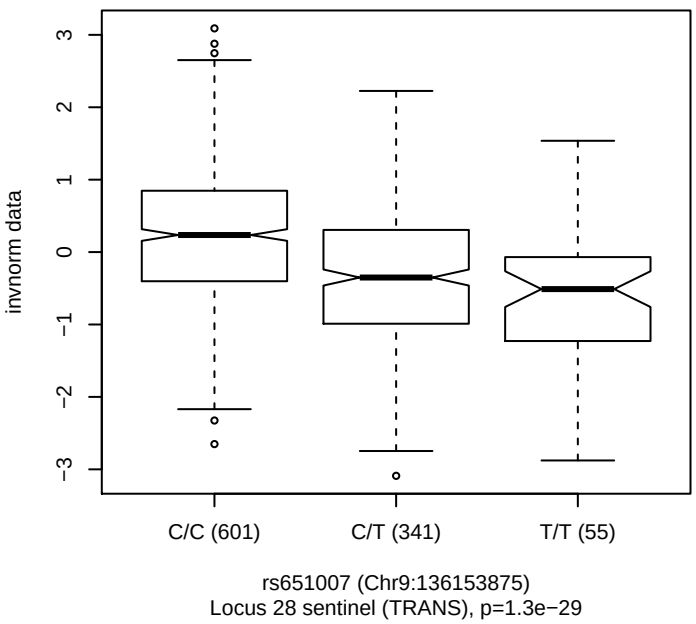

**CD36 ANTIGEN (Uniprot: P16671, ProbeID: 2973−15_2)**

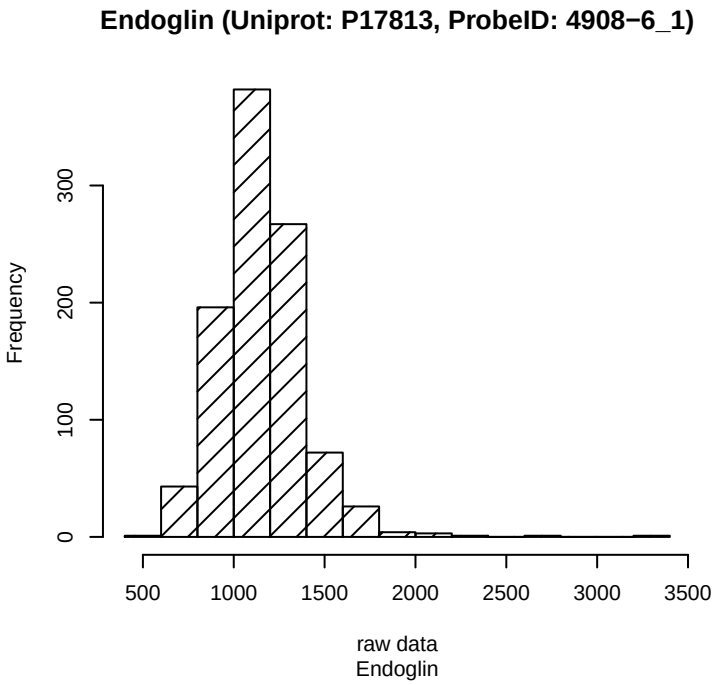


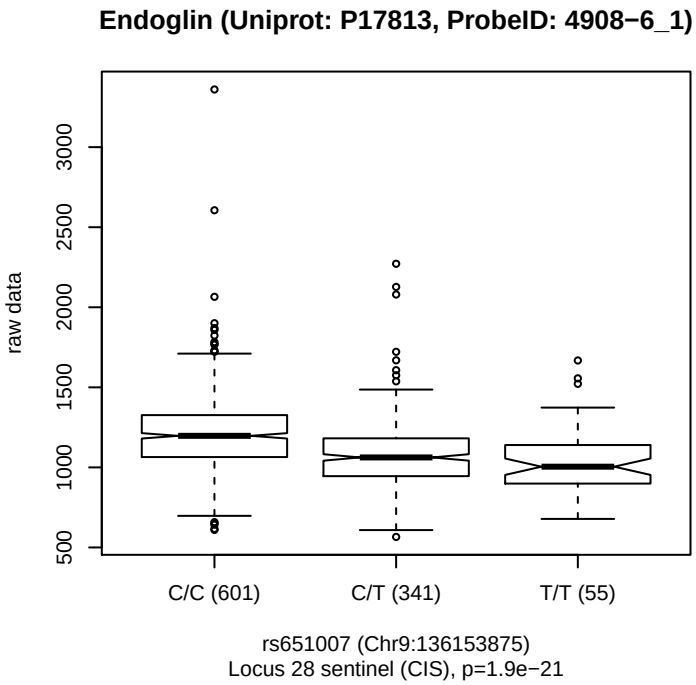

**CD36 ANTIGEN (Uniprot: P16671, ProbeID: 2973−15_2)**

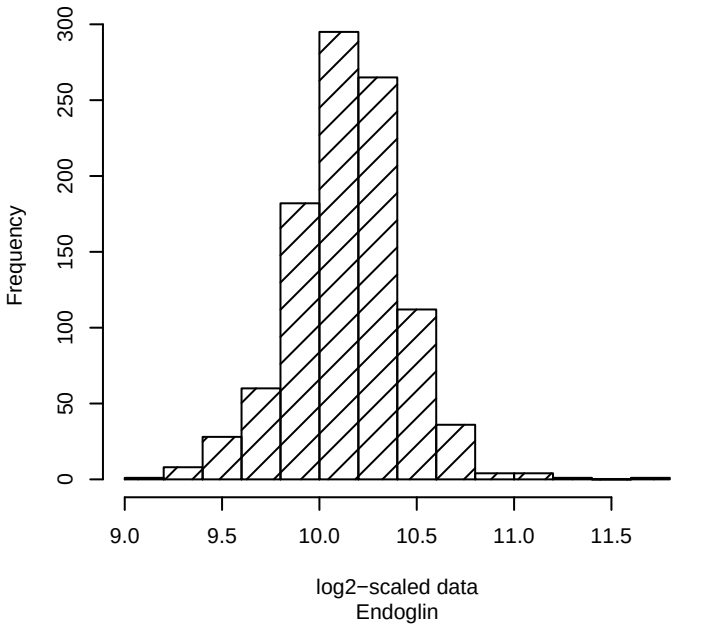


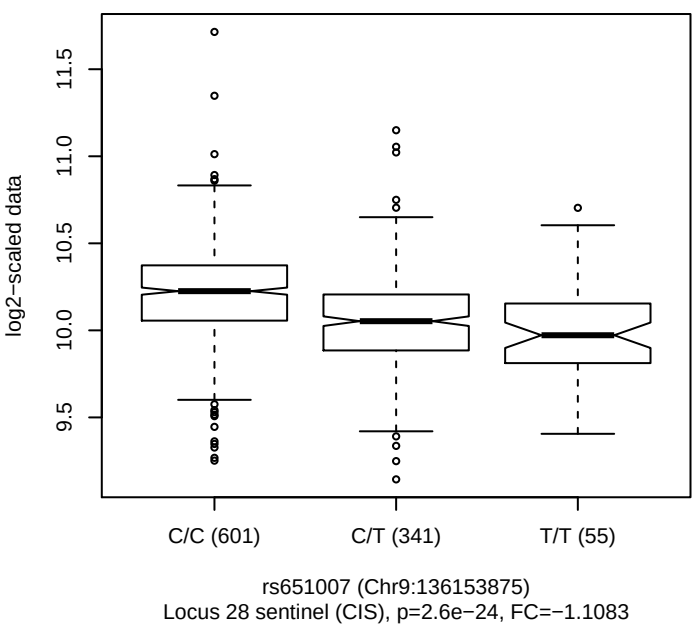

**CD36 ANTIGEN (Uniprot: P16671, ProbeID: 2973−15_2)**

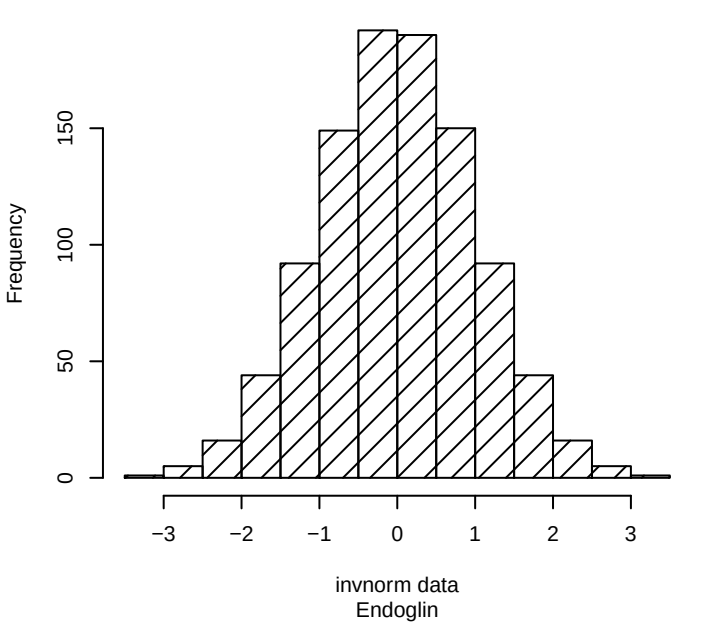


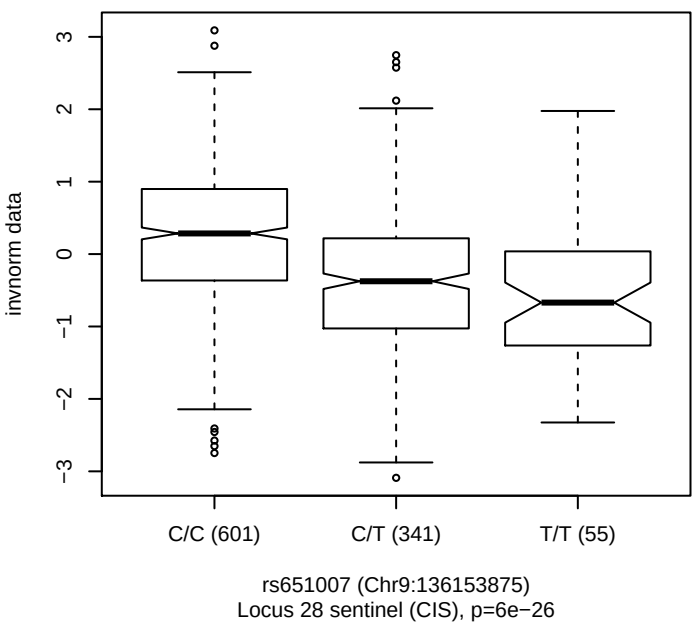

Endoglin (Uniprot: P17813, ProbeID: 4908−6_1)
Frequency
0
100
200
300
500
1000
1500
2000
2500
3000
3500
raw data
Endoglin

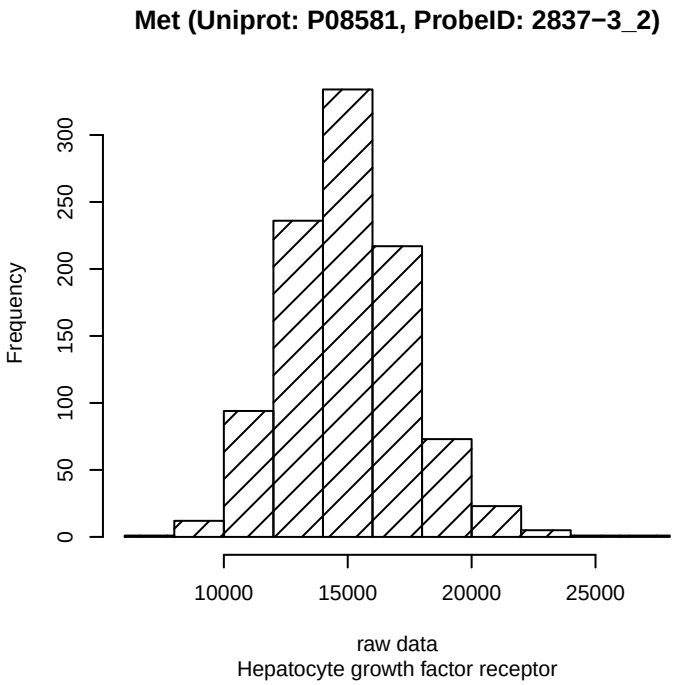

Endoglin (Uniprot: P17813, ProbeID: 4908−6_1)
raw data
500
1000
1500
2000
2500
3000
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 sentinel (CIS), p=1.9e−21

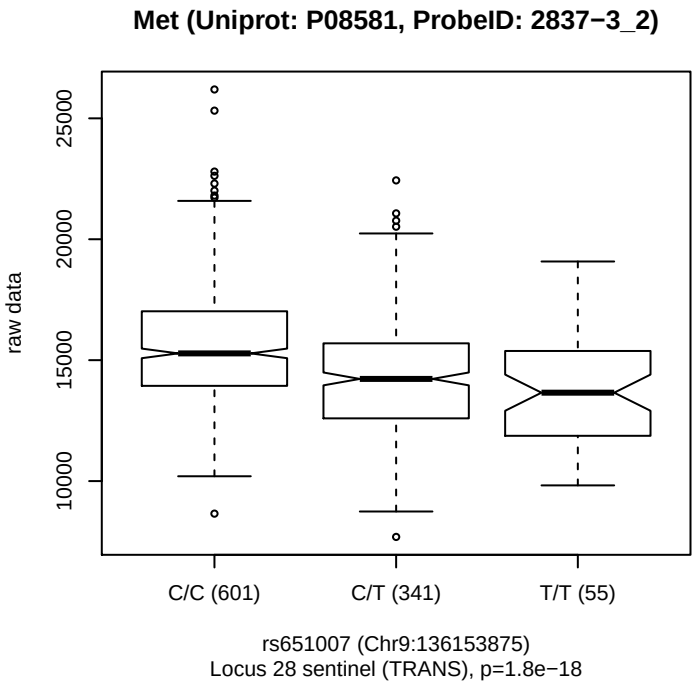

Endoglin (Uniprot: P17813, ProbeID: 4908−6_1)
Frequency
0
50
100
150
200
250
300
9.0
9.5
10.0
10.5
11.0
11.5
log2−scaled data
Endoglin

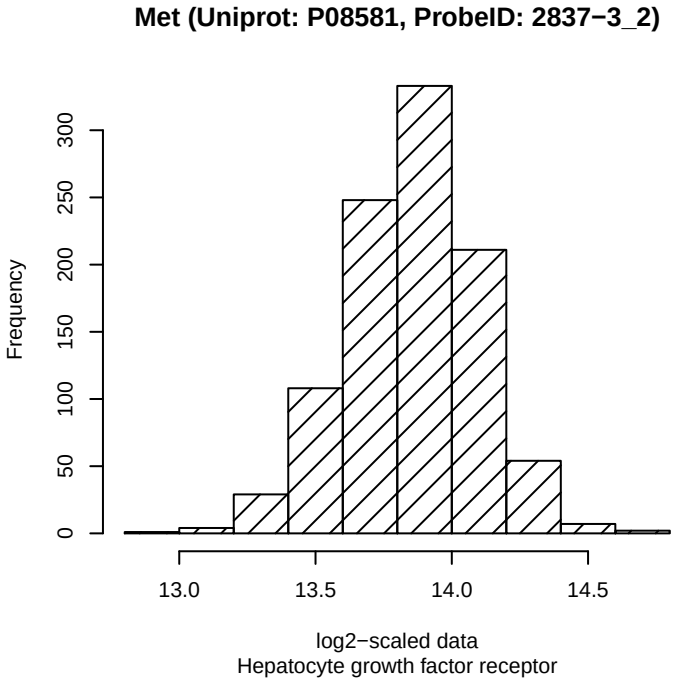

Endoglin (Uniprot: P17813, ProbeID: 4908−6_1)
log2−scaled data
9.5
10.0
10.5
11.0
11.5
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 sentinel (CIS), p=2.6e−24, FC=−1.1083

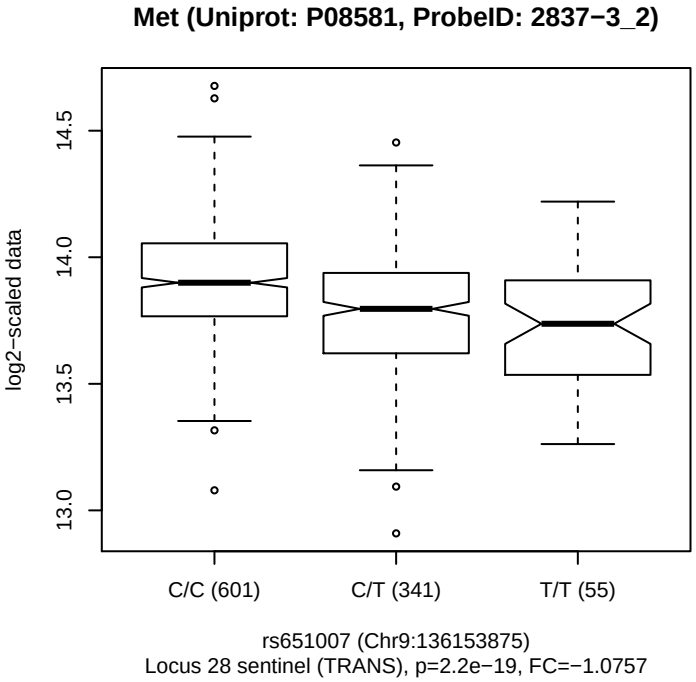

Endoglin (Uniprot: P17813, ProbeID: 4908−6_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Endoglin

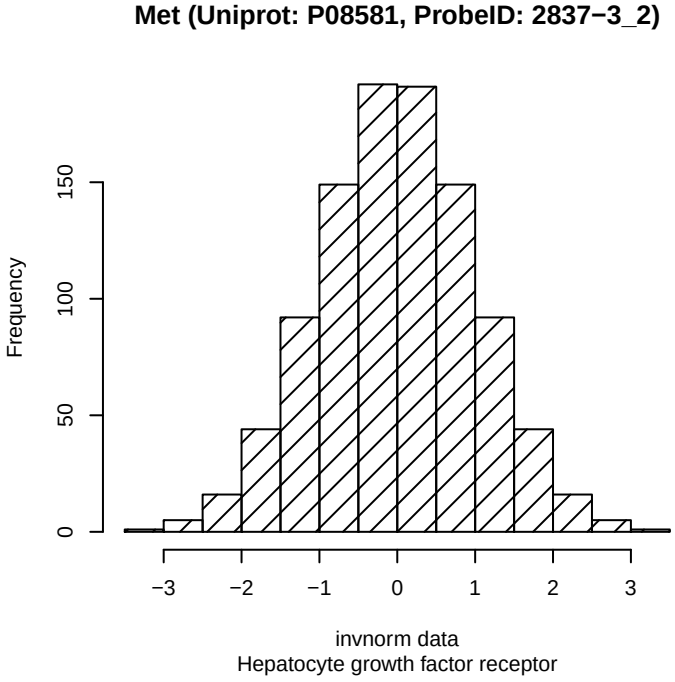

Endoglin (Uniprot: P17813, ProbeID: 4908−6_1)
invnorm data
−3
−2
−1
0
1
2
3
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 sentinel (CIS), p=6e−26

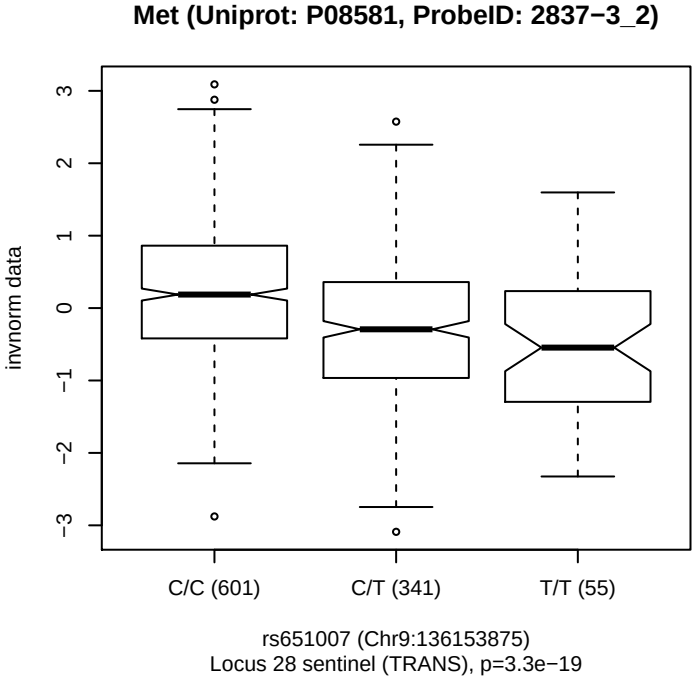

Met (Uniprot: P08581, ProbeID: 2837−3_2)
Frequency
0
50
100
150
200
250
300
10000
15000
20000
25000
raw data
Hepatocyte growth factor receptor

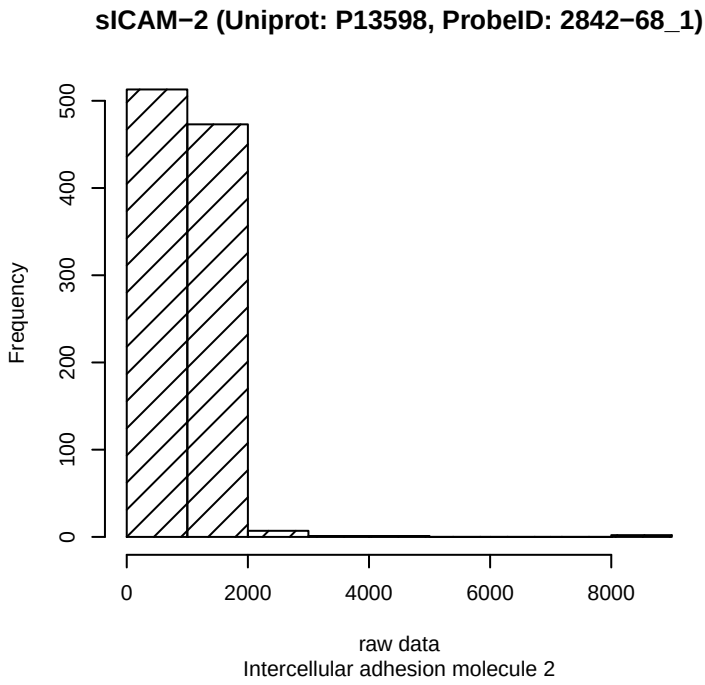

Met (Uniprot: P08581, ProbeID: 2837−3_2)
raw data
10000
15000
20000
25000
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 sentinel (TRANS), p=1.8e−18

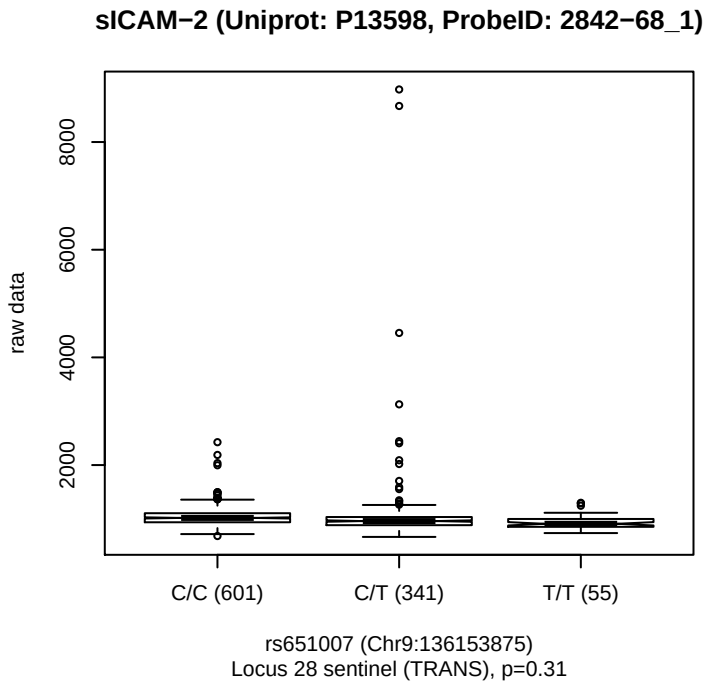

Met (Uniprot: P08581, ProbeID: 2837−3_2)
Frequency
0
50
100
150
200
250
300
13.0
13.5
14.0
14.5
log2−scaled data
Hepatocyte growth factor receptor

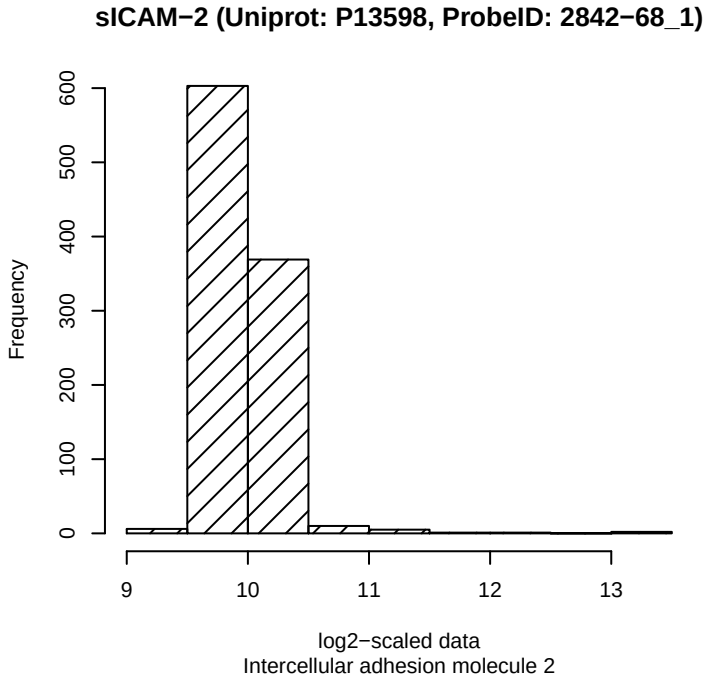

Met (Uniprot: P08581, ProbeID: 2837−3_2)
log2−scaled data
13.0
13.5
14.0
14.5
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 sentinel (TRANS), p=2.2e−19, FC=−1.0757

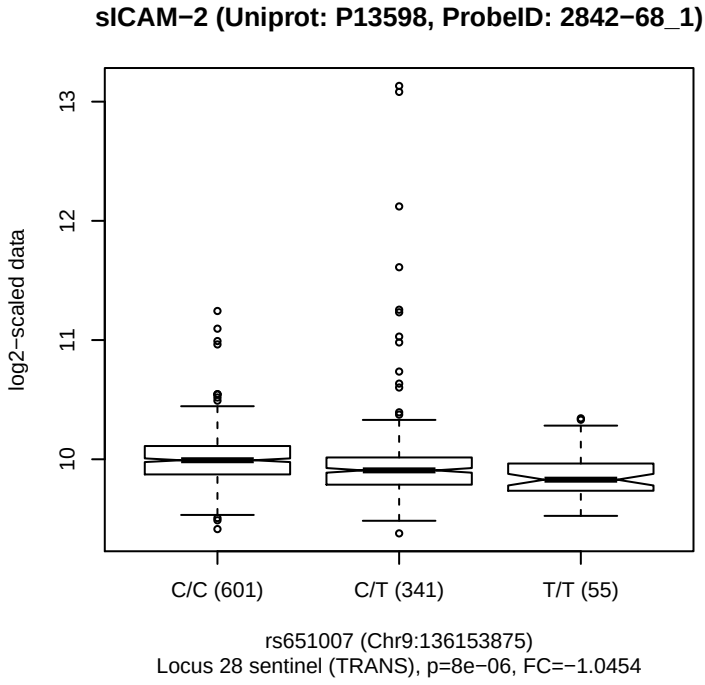

Met (Uniprot: P08581, ProbeID: 2837−3_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Hepatocyte growth factor receptor

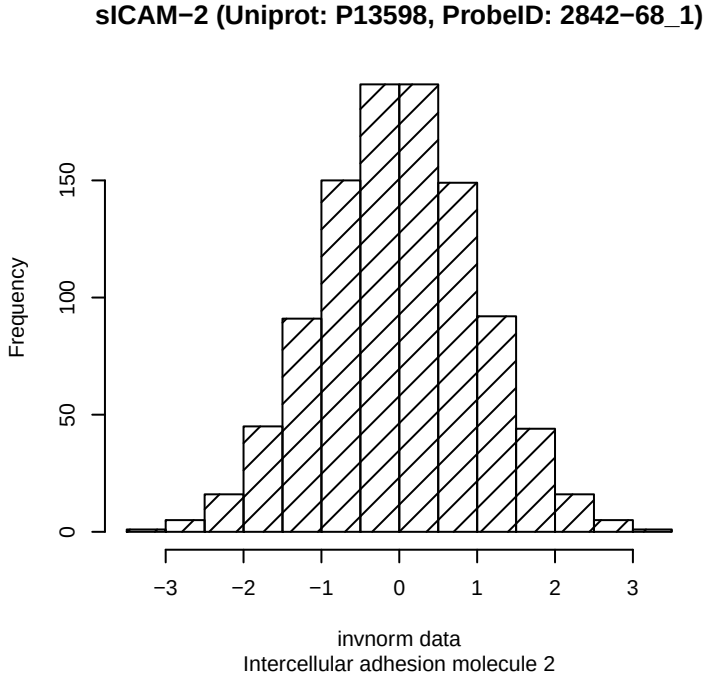

Met (Uniprot: P08581, ProbeID: 2837−3_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 sentinel (TRANS), p=3.3e−19

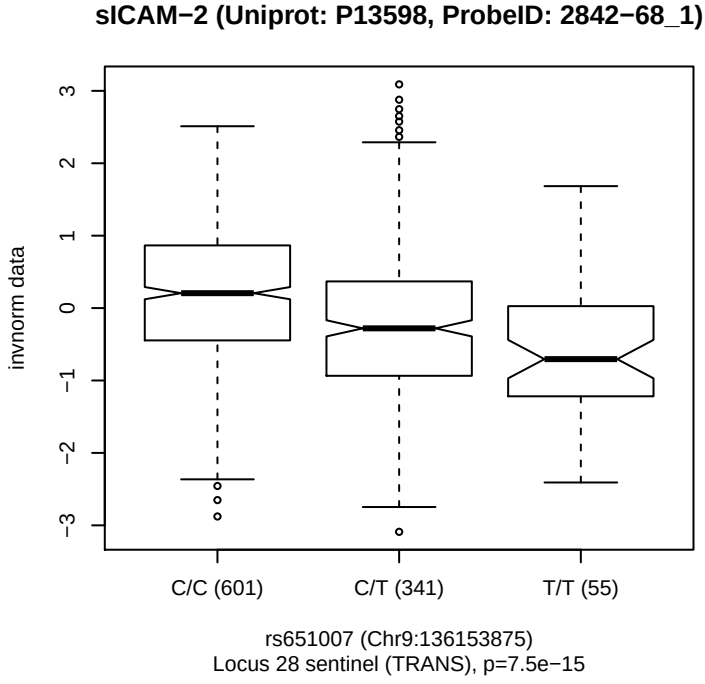

sICAM−2 (Uniprot: P13598, ProbeID: 2842−68_1)
Frequency
0
100
200
300
400
500
0
2000
4000
6000
8000
raw data
Intercellular adhesion molecule 2

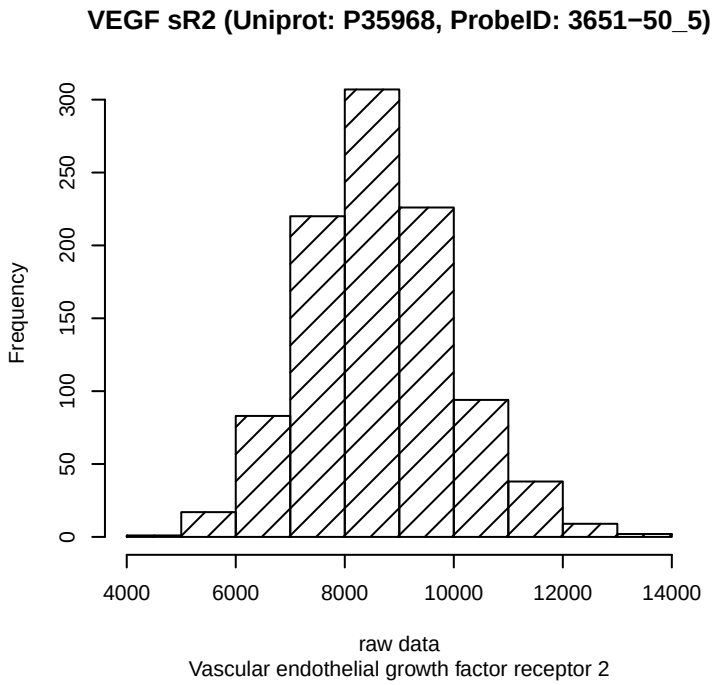

sICAM−2 (Uniprot: P13598, ProbeID: 2842−68_1)
raw data
2000
4000
6000
8000
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 sentinel (TRANS), p=0.31

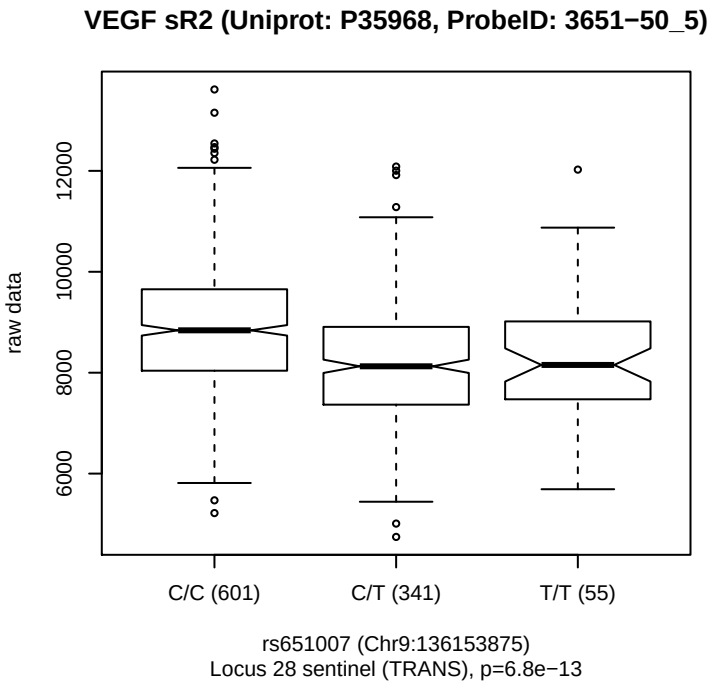

sICAM−2 (Uniprot: P13598, ProbeID: 2842−68_1)
Frequency
0
100
200
300
400
500
600
9
10
11
12
13
log2−scaled data
Intercellular adhesion molecule 2

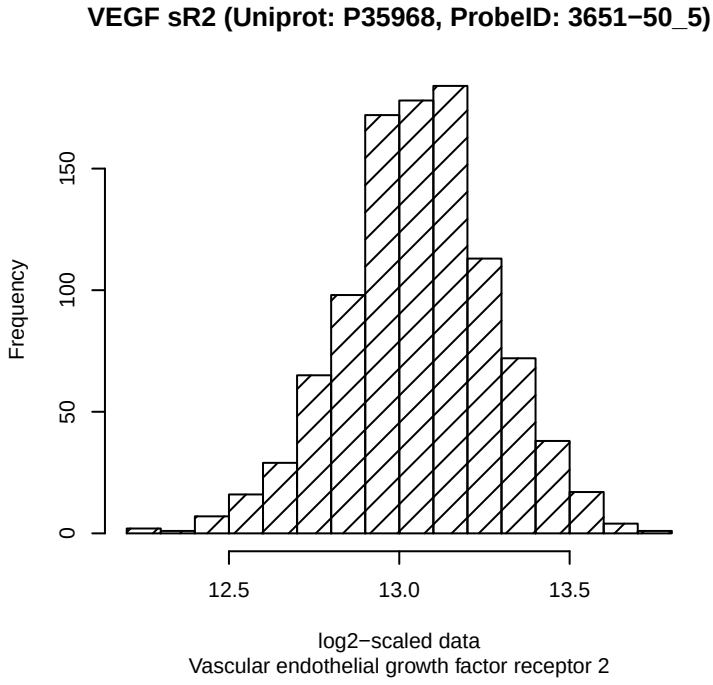

sICAM−2 (Uniprot: P13598, ProbeID: 2842−68_1)
log2−scaled data
10
11
12
13
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 sentinel (TRANS), p=8e−06, FC=−1.0454

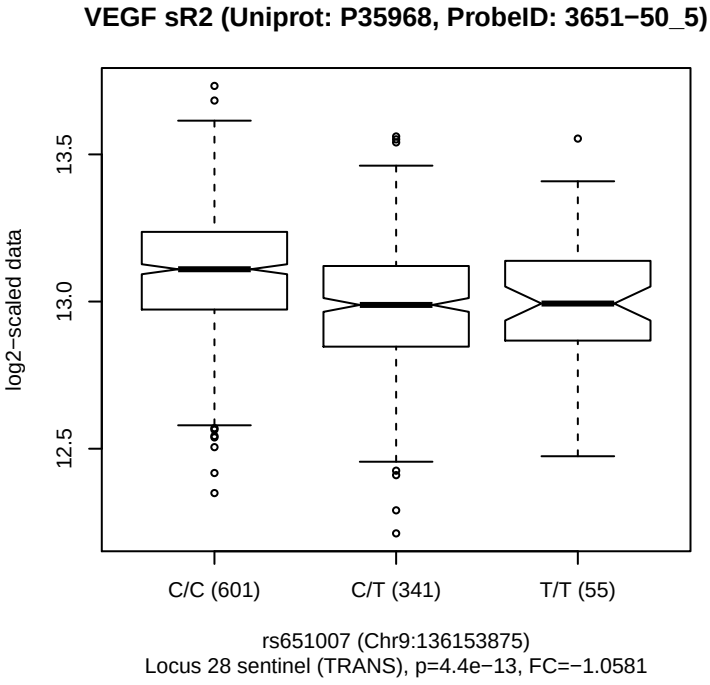

sICAM−2 (Uniprot: P13598, ProbeID: 2842−68_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Intercellular adhesion molecule 2

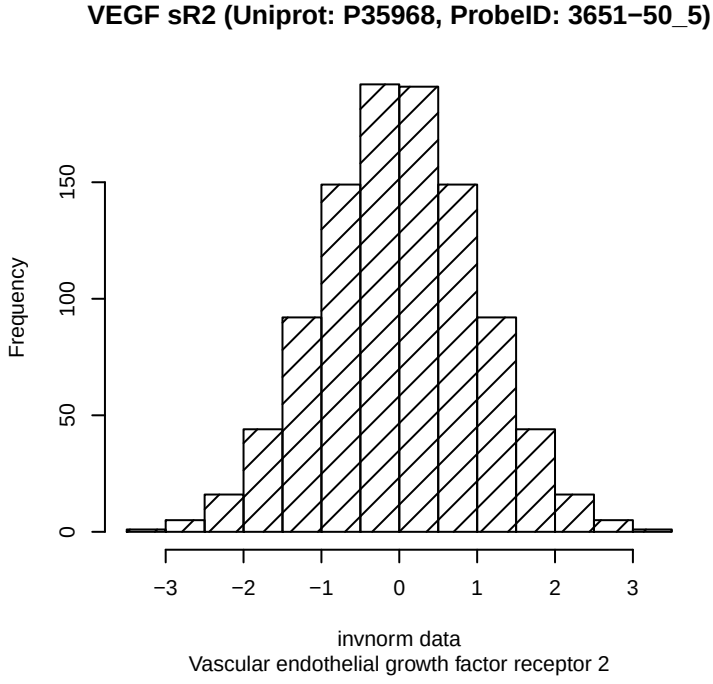

sICAM−2 (Uniprot: P13598, ProbeID: 2842−68_1)
invnorm data
−3
−2
−1
0
1
2
3
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 sentinel (TRANS), p=7.5e−15

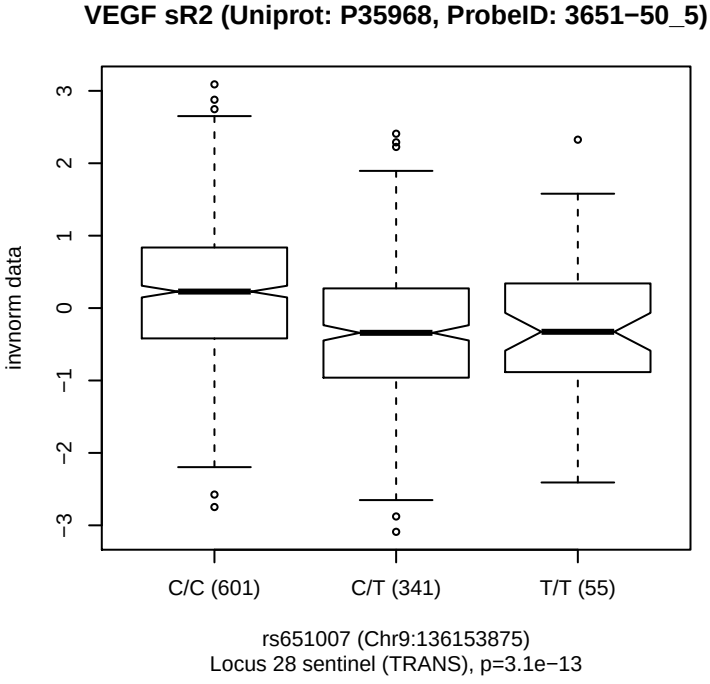

VEGF sR2 (Uniprot: P35968, ProbeID: 3651−50_5)
Frequency
0
50
100
150
200
250
300
4000
6000
8000
10000
12000
14000
raw data
Vascular endothelial growth factor receptor 2

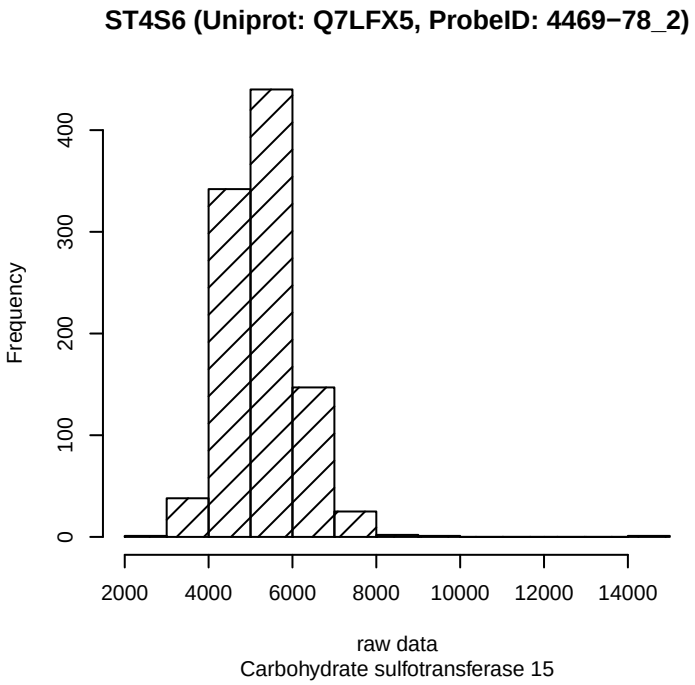

VEGF sR2 (Uniprot: P35968, ProbeID: 3651−50_5)
raw data
6000
8000
10000
12000
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 sentinel (TRANS), p=6.8e−13

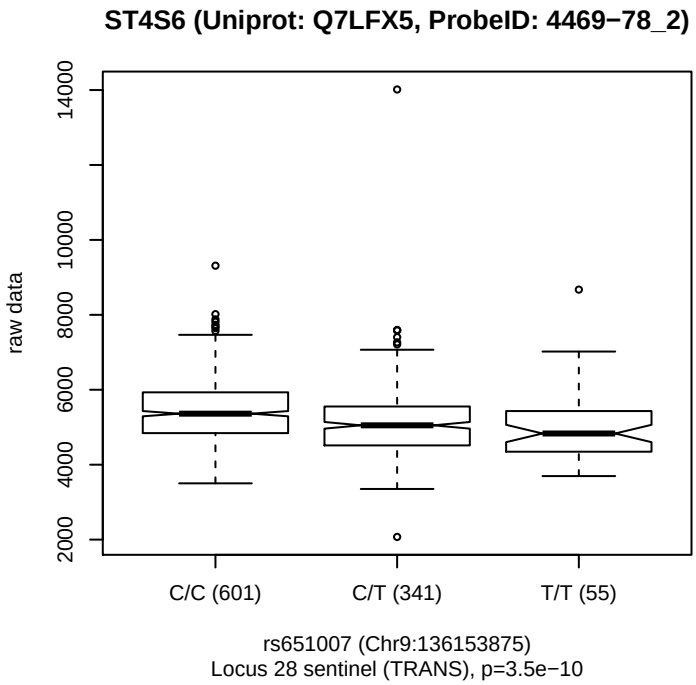

VEGF sR2 (Uniprot: P35968, ProbeID: 3651−50_5)
Frequency
0
50
100
150
12.5
13.0
13.5
log2−scaled data
Vascular endothelial growth factor receptor 2

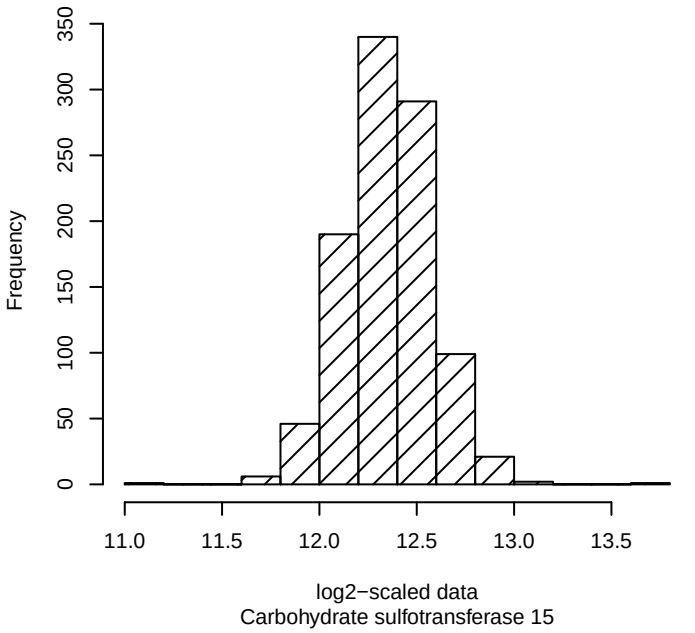

VEGF sR2 (Uniprot: P35968, ProbeID: 3651−50_5)
log2−scaled data
12.5
13.0
13.5
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 sentinel (TRANS), p=4.4e−13, FC=−1.0581

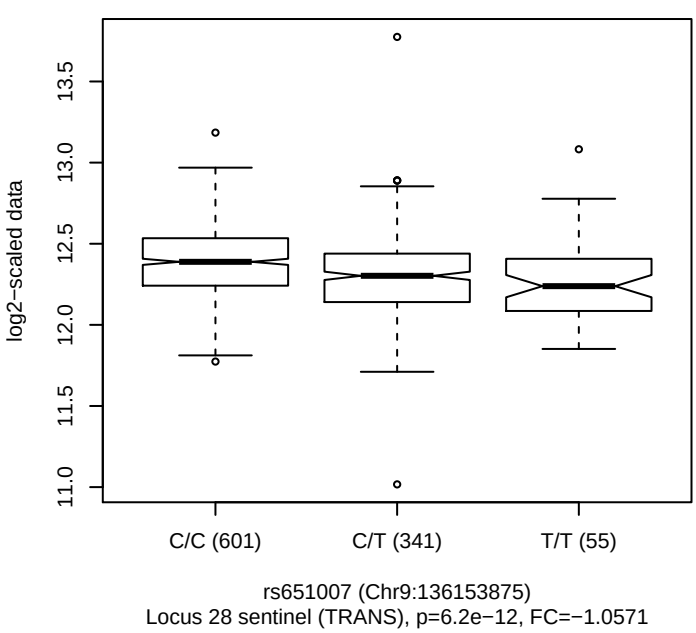

VEGF sR2 (Uniprot: P35968, ProbeID: 3651−50_5)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Vascular endothelial growth factor receptor 2

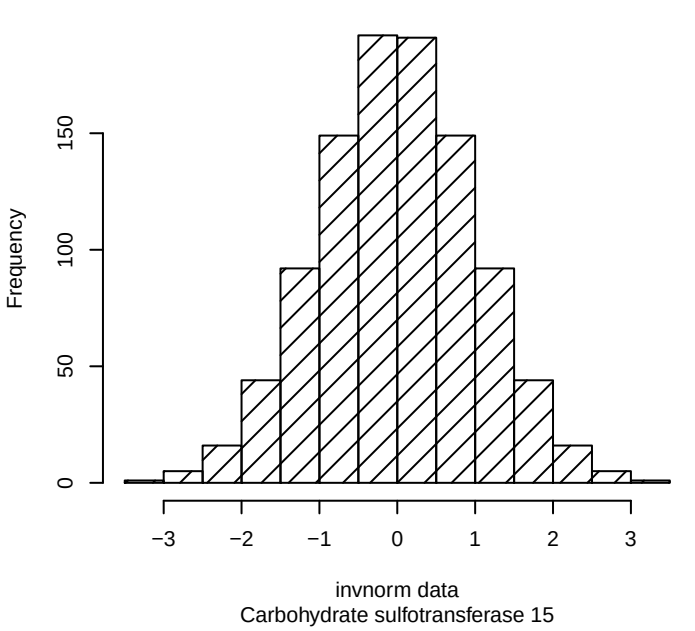

VEGF sR2 (Uniprot: P35968, ProbeID: 3651−50_5)
invnorm data
−3
−2
−1
0
1
2
3
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 sentinel (TRANS), p=3.1e−13

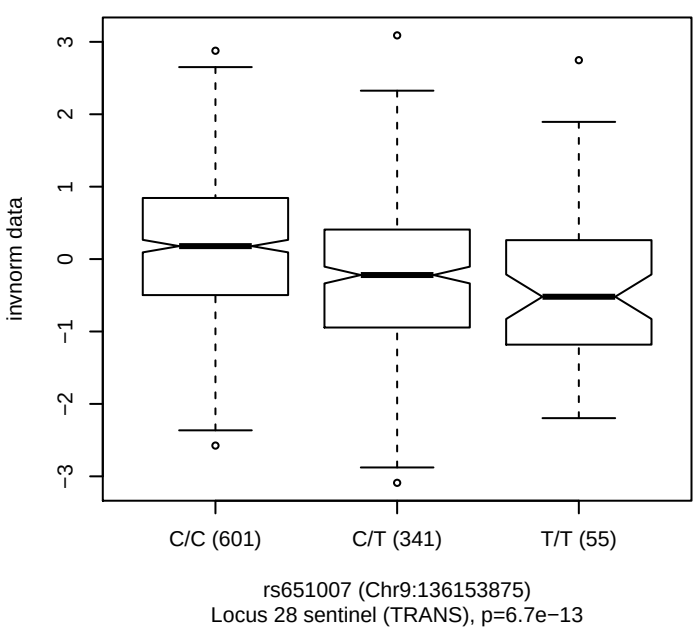

ST4S6 (Uniprot: Q7LFX5, ProbeID: 4469−78_2)
Frequency
0
100
200
300
400
2000
4000
6000
8000
10000
12000
14000
raw data
Carbohydrate sulfotransferase 15

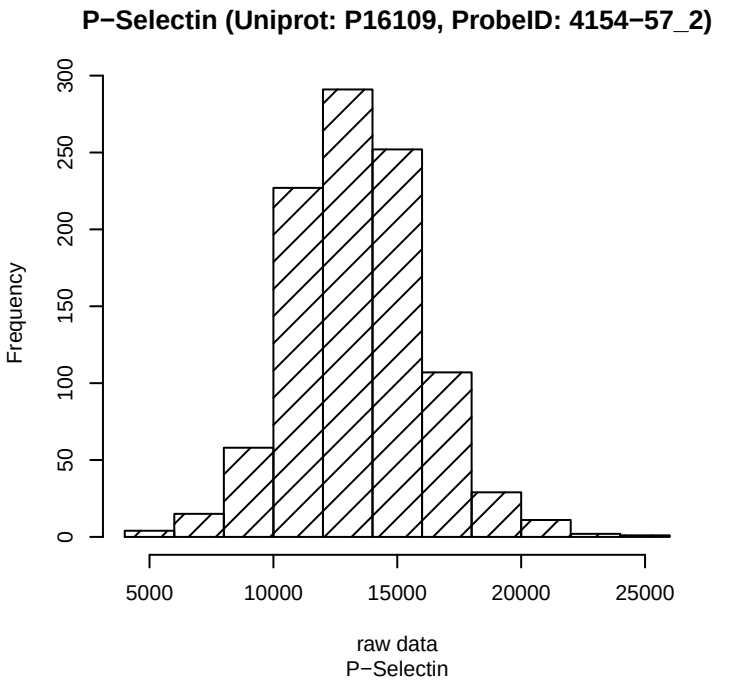

ST4S6 (Uniprot: Q7LFX5, ProbeID: 4469−78_2)
raw data
2000
4000
6000
8000
10000
14000
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 sentinel (TRANS), p=3.5e−10

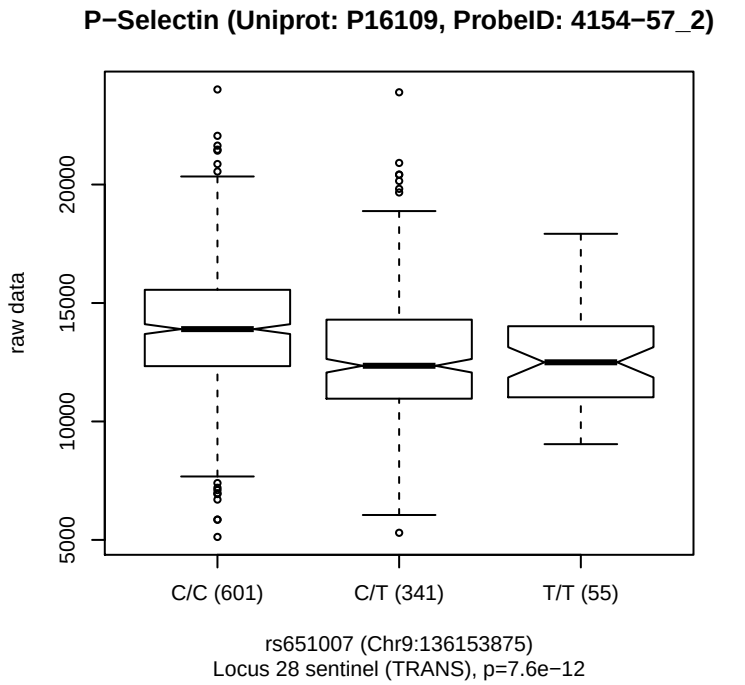

ST4S6 (Uniprot: Q7LFX5, ProbeID: 4469−78_2)
Frequency
0
50
100
150
200
250
300
350
11.0
11.5
12.0
12.5
13.0
13.5
log2−scaled data
Carbohydrate sulfotransferase 15

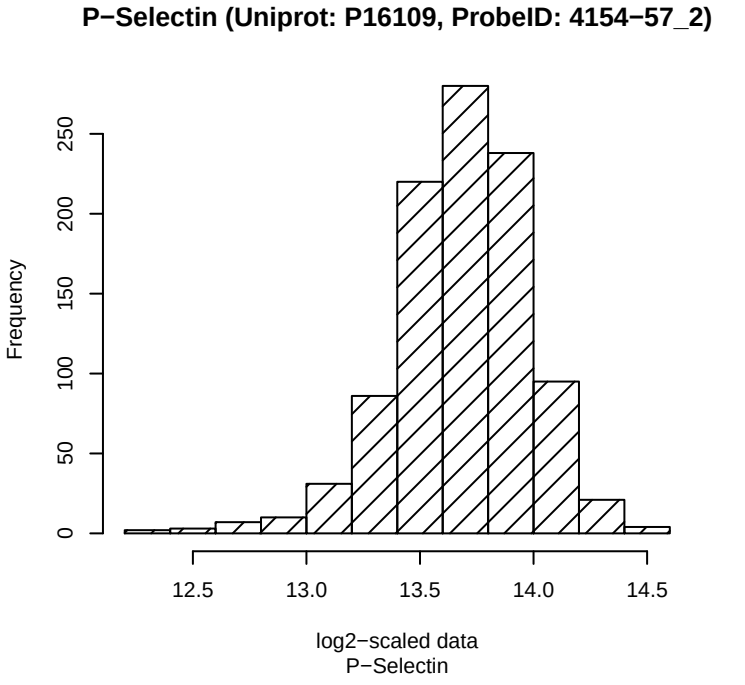

ST4S6 (Uniprot: Q7LFX5, ProbeID: 4469−78_2)
log2−scaled data
11.0
11.5
12.0
12.5
13.0
13.5
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 sentinel (TRANS), p=6.2e−12, FC=−1.0571

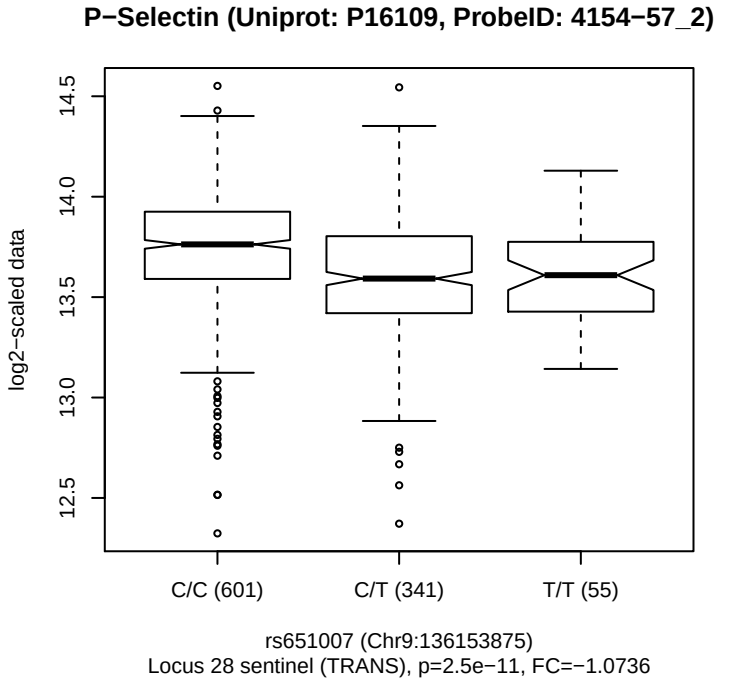

ST4S6 (Uniprot: Q7LFX5, ProbeID: 4469−78_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Carbohydrate sulfotransferase 15

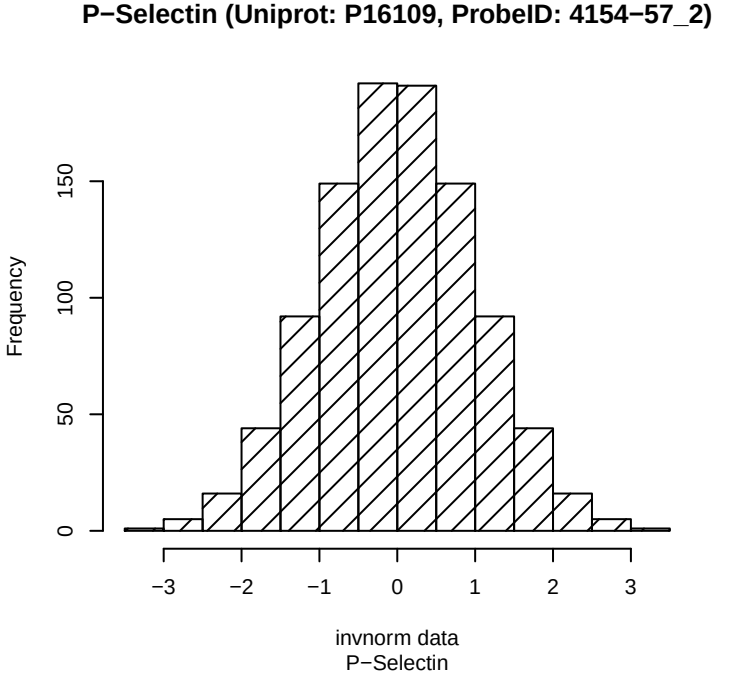

ST4S6 (Uniprot: Q7LFX5, ProbeID: 4469−78_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 sentinel (TRANS), p=6.7e−13

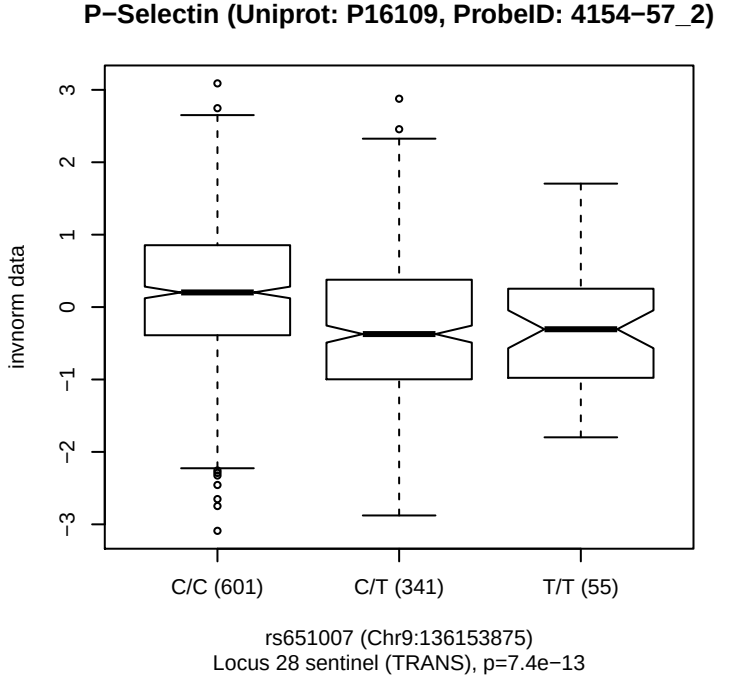

P−Selectin (Uniprot: P16109, ProbeID: 4154−57_2)
Frequency
0
50
100
150
200
250
300
5000
10000
15000
20000
25000
raw data
P−Selectin

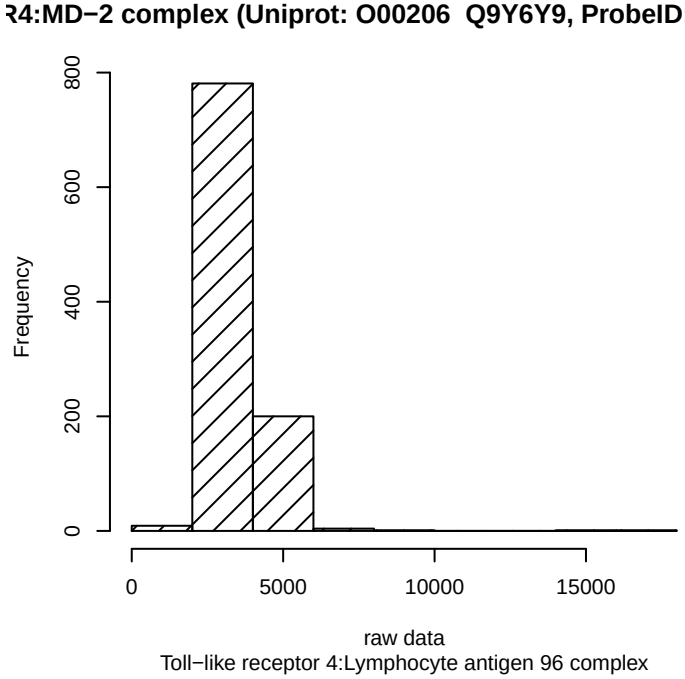

P−Selectin (Uniprot: P16109, ProbeID: 4154−57_2)
raw data
5000
10000
15000
20000
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 sentinel (TRANS), p=7.6e−12

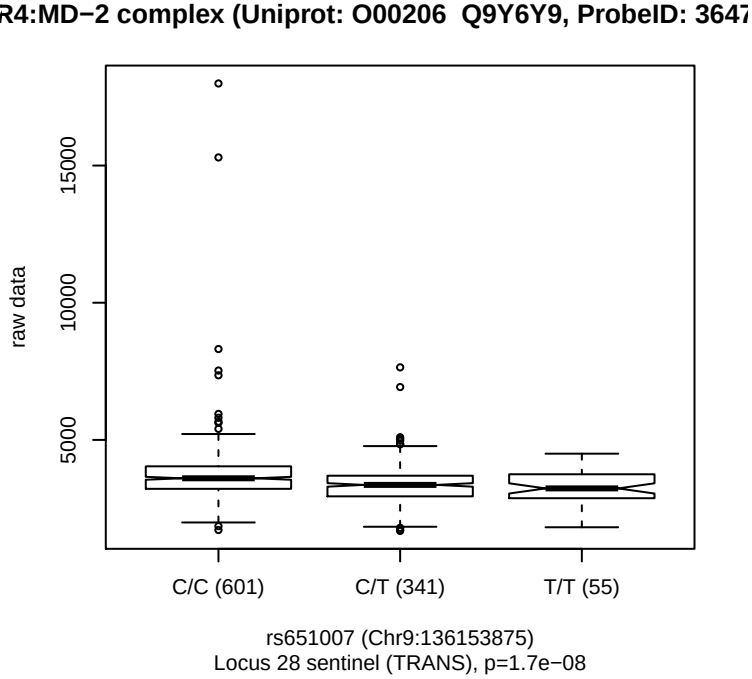

P−Selectin (Uniprot: P16109, ProbeID: 4154−57_2)
Frequency
0
50
100
150
200
250
12.5
13.0
13.5
14.0
14.5
log2−scaled data
P−Selectin

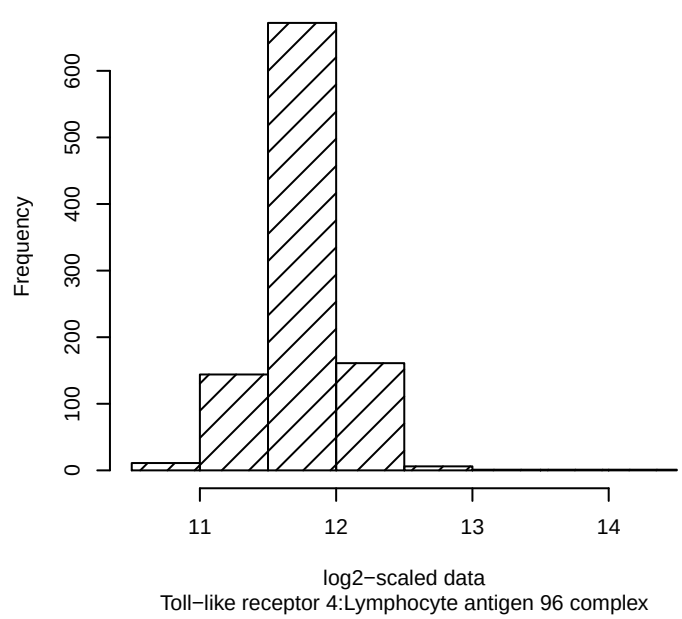

P−Selectin (Uniprot: P16109, ProbeID: 4154−57_2)
log2−scaled data
12.5
13.0
13.5
14.0
14.5
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 sentinel (TRANS), p=2.5e−11, FC=−1.0736

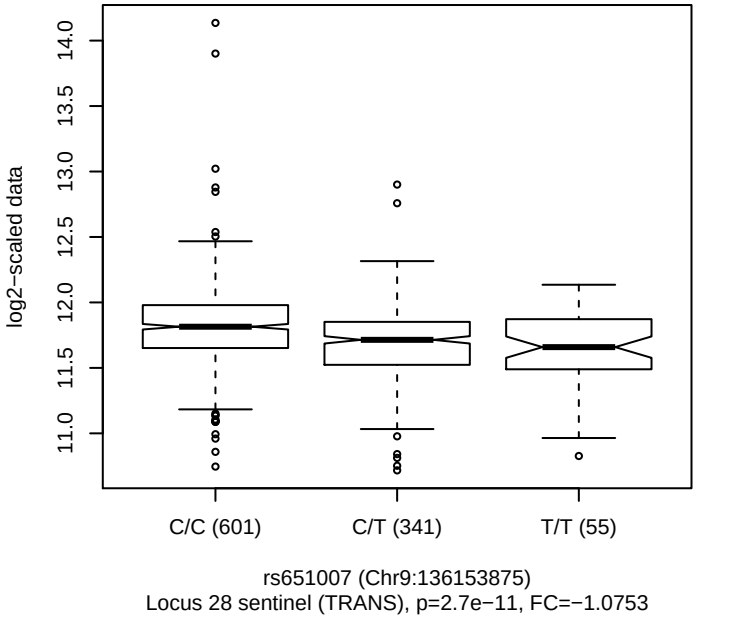

P−Selectin (Uniprot: P16109, ProbeID: 4154−57_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
P−Selectin

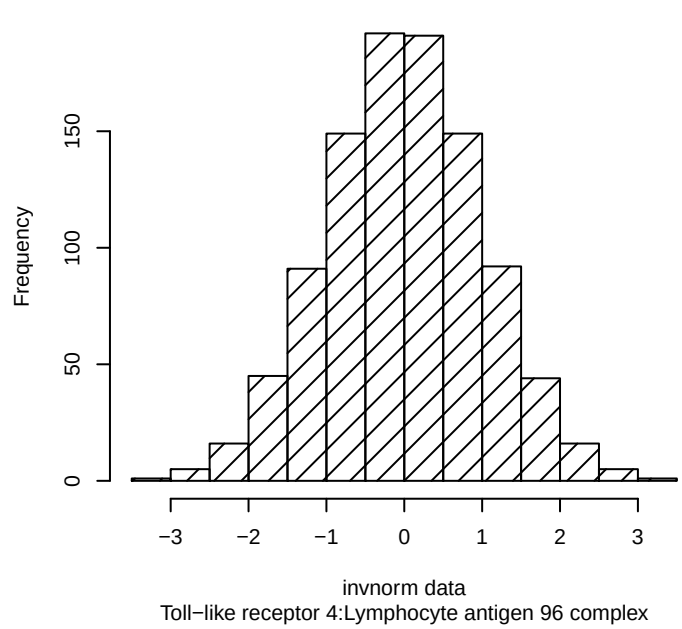

P−Selectin (Uniprot: P16109, ProbeID: 4154−57_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 sentinel (TRANS), p=7.4e−13

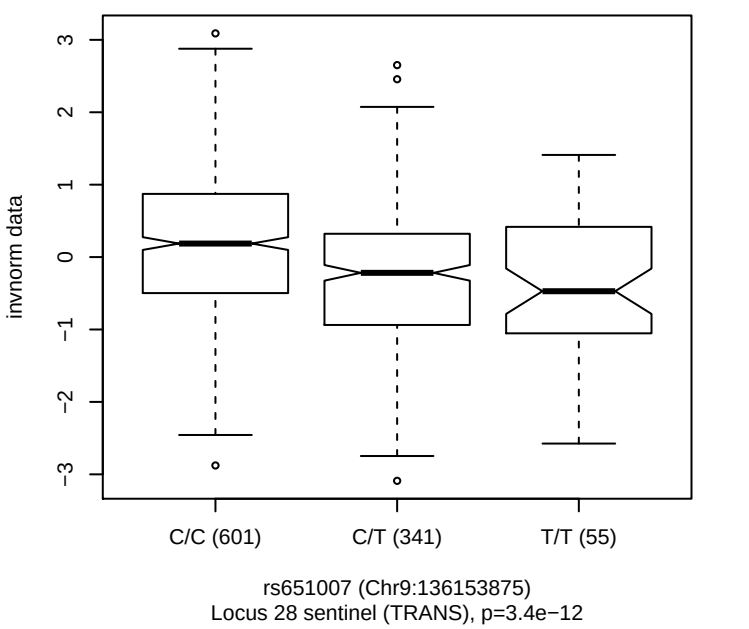

R4:MD−2 complex (Uniprot: O00206 Q9Y6Y9, ProbeID: 364
Frequency
0
200
400
600
800
0
5000
10000
15000
raw data
Toll−like receptor 4:Lymphocyte antigen 96 complex

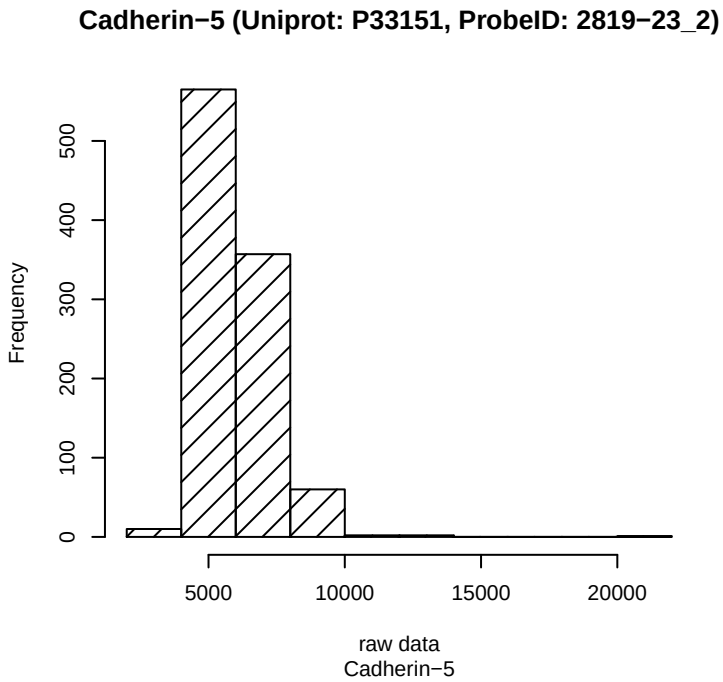

R4:MD−2 complex (Uniprot: O00206 Q9Y6Y9, ProbeID: 3647
raw data
5000
10000
15000
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 sentinel (TRANS), p=1.7e−08

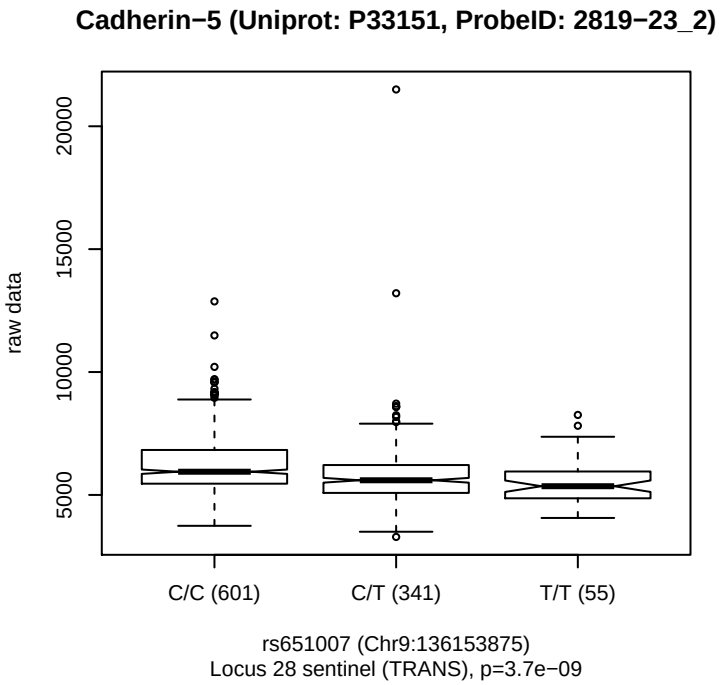

R4:MD−2 complex (Uniprot: O00206 Q9Y6Y9, ProbeID: 364
Frequency
0
100
200
300
400
500
600
11
12
13
14
log2−scaled data
Toll−like receptor 4:Lymphocyte antigen 96 complex

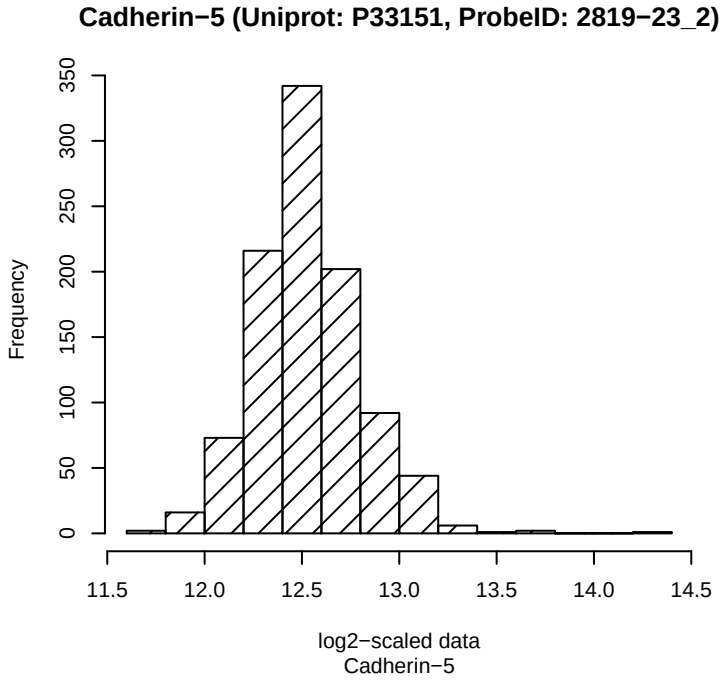

R4:MD−2 complex (Uniprot: O00206 Q9Y6Y9, ProbeID: 3647
log2−scaled data
11.0
11.5
12.0
12.5
13.0
13.5
14.0
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 sentinel (TRANS), p=2.7e−11, FC=−1.0753

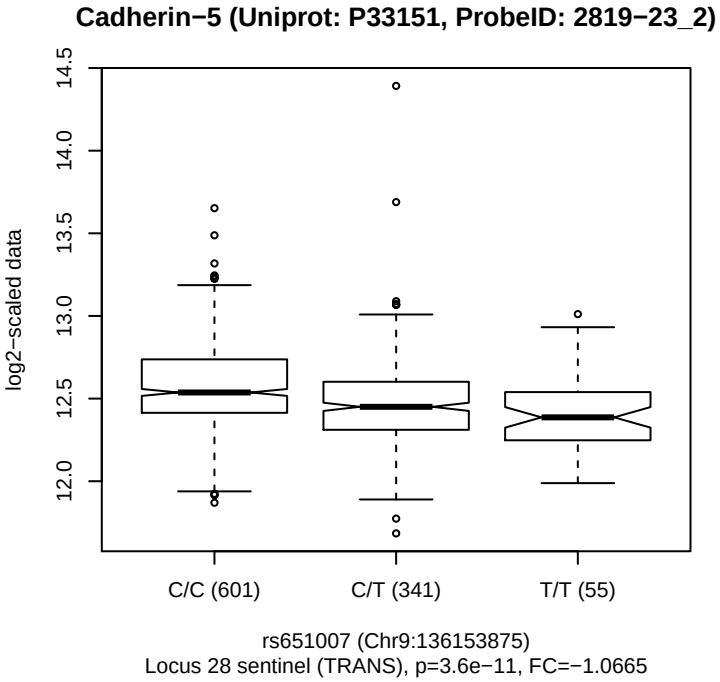

R4:MD−2 complex (Uniprot: O00206 Q9Y6Y9, ProbeID: 364
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Toll−like receptor 4:Lymphocyte antigen 96 complex

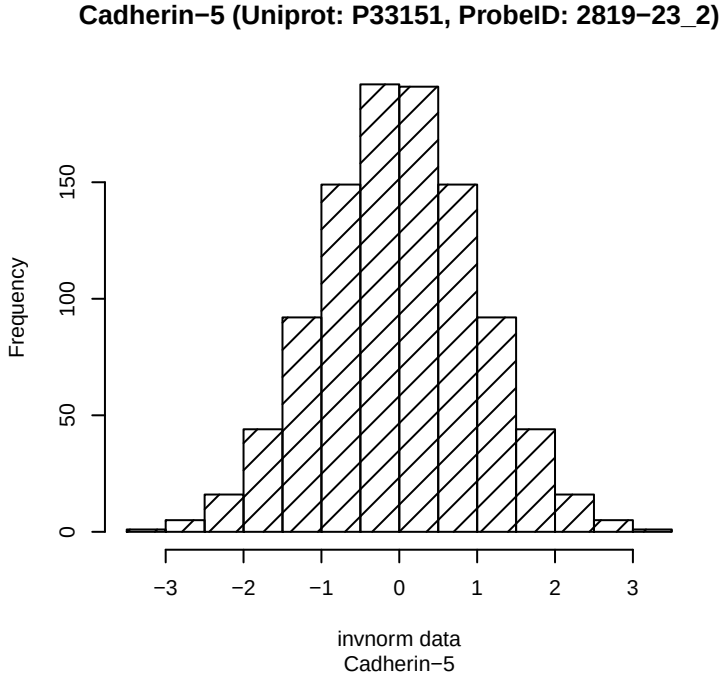

R4:MD−2 complex (Uniprot: O00206 Q9Y6Y9, ProbeID: 3647
invnorm data
−3
−2
−1
0
1
2
3
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 sentinel (TRANS), p=3.4e−12

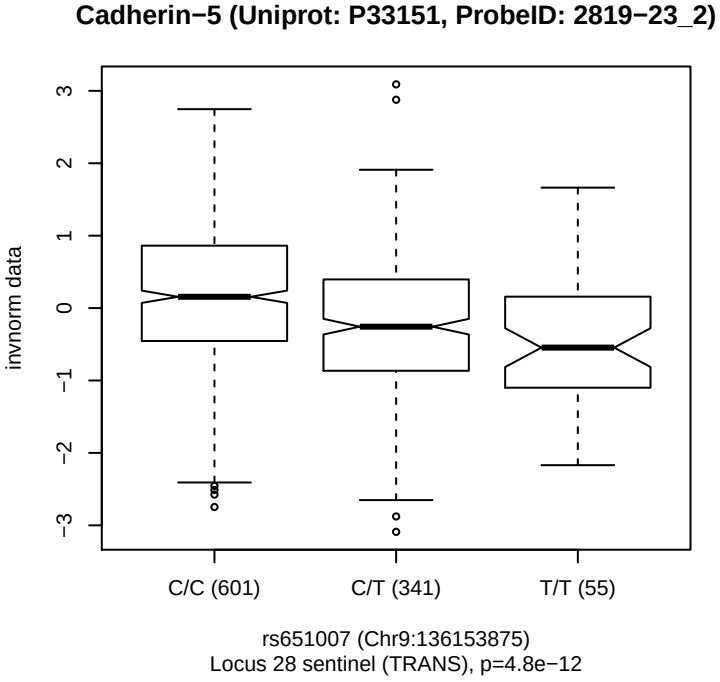

Cadherin−5 (Uniprot: P33151, ProbeID: 2819−23_2)
Frequency
0
100
200
300
400
500
5000
10000
15000
20000
raw data
Cadherin−5

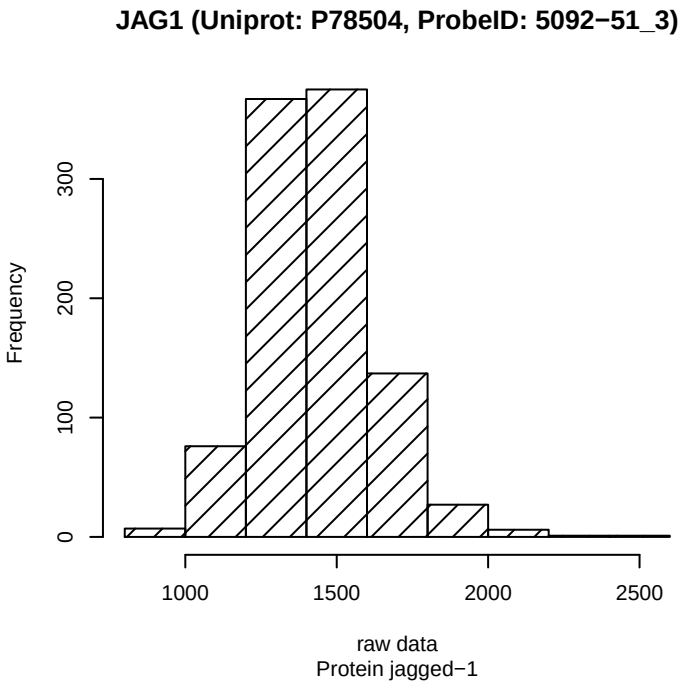

Cadherin−5 (Uniprot: P33151, ProbeID: 2819−23_2)
raw data
5000
10000
15000
20000
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 sentinel (TRANS), p=3.7e−09

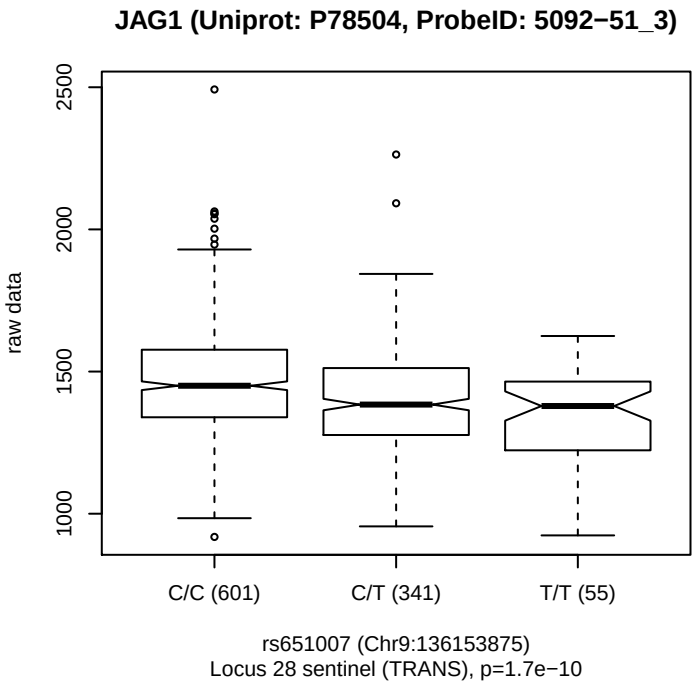

Cadherin−5 (Uniprot: P33151, ProbeID: 2819−23_2)
Frequency
0
50
100
150
200
250
300
350
11.5
12.0
12.5
13.0
13.5
14.0
14.5
log2−scaled data
Cadherin−5

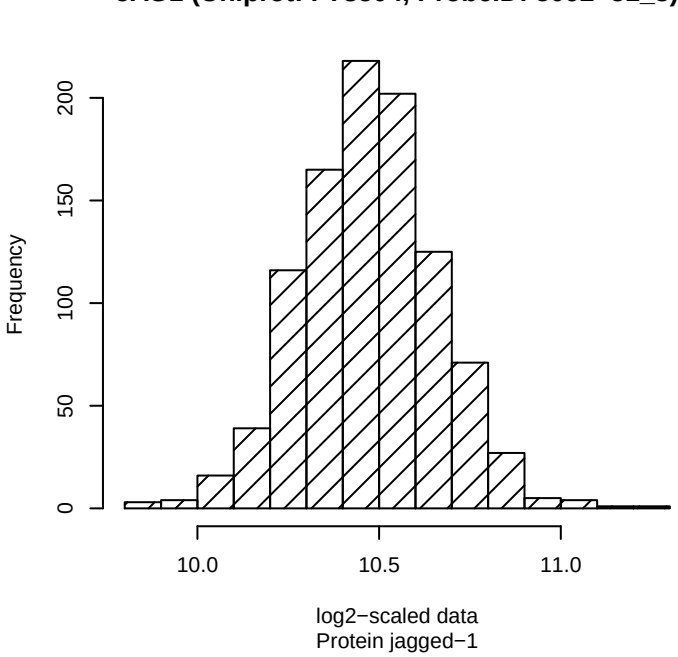

Cadherin−5 (Uniprot: P33151, ProbeID: 2819−23_2)
log2−scaled data
12.0
12.5
13.0
13.5
14.0
14.5
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 sentinel (TRANS), p=3.6e−11, FC=−1.0665

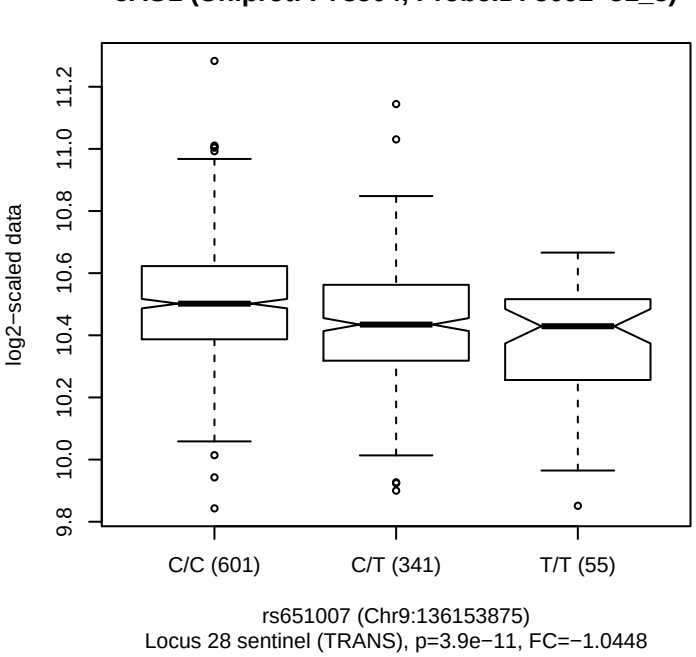

Cadherin−5 (Uniprot: P33151, ProbeID: 2819−23_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Cadherin−5

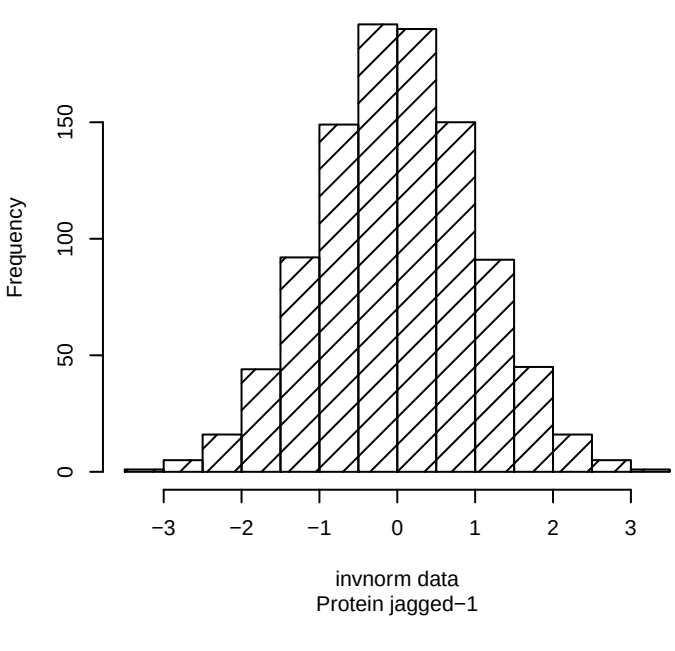

Cadherin−5 (Uniprot: P33151, ProbeID: 2819−23_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 sentinel (TRANS), p=4.8e−12

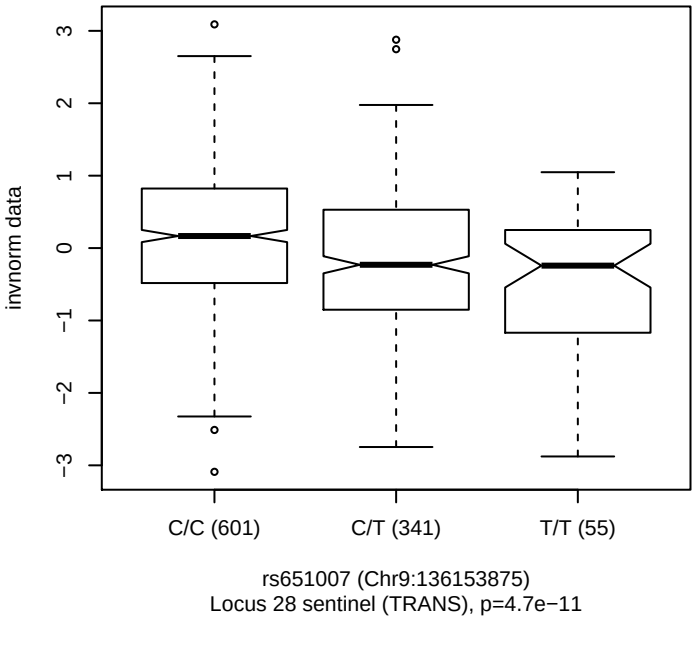

JAG1 (Uniprot: P78504, ProbeID: 5092−51_3)
Frequency
0
100
200
300
1000
1500
2000
2500
raw data
Protein jagged−1

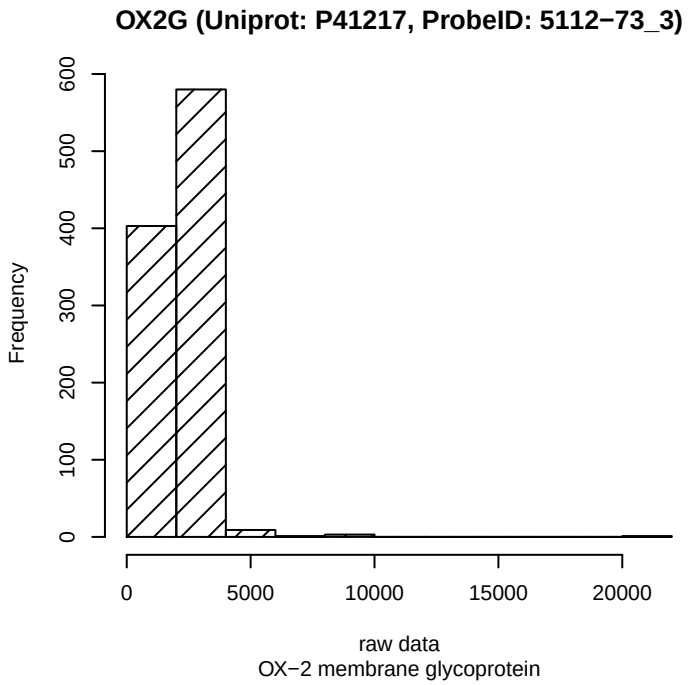

JAG1 (Uniprot: P78504, ProbeID: 5092−51_3)
raw data
1000
1500
2000
2500
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 sentinel (TRANS), p=1.7e−10

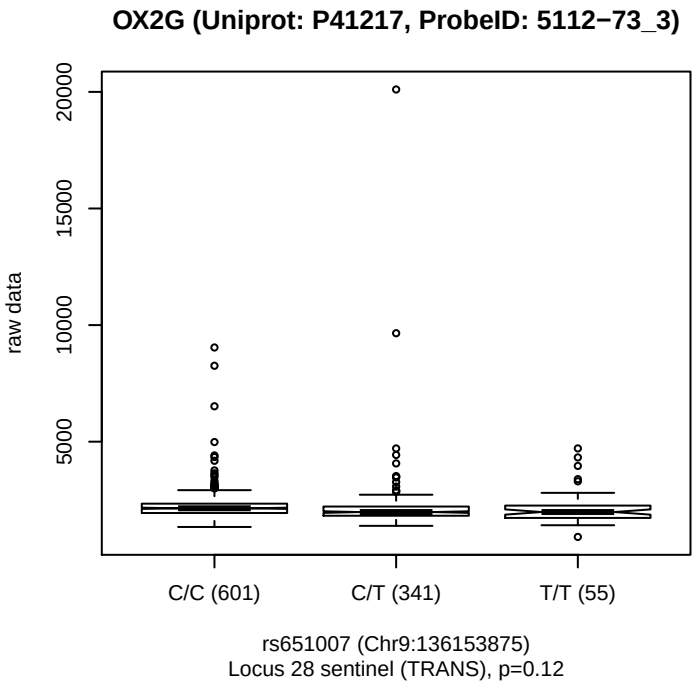

JAG1 (Uniprot: P78504, ProbeID: 5092−51_3)
Frequency
0
50
100
150
200
10.0
10.5
11.0
log2−scaled data
Protein jagged−1

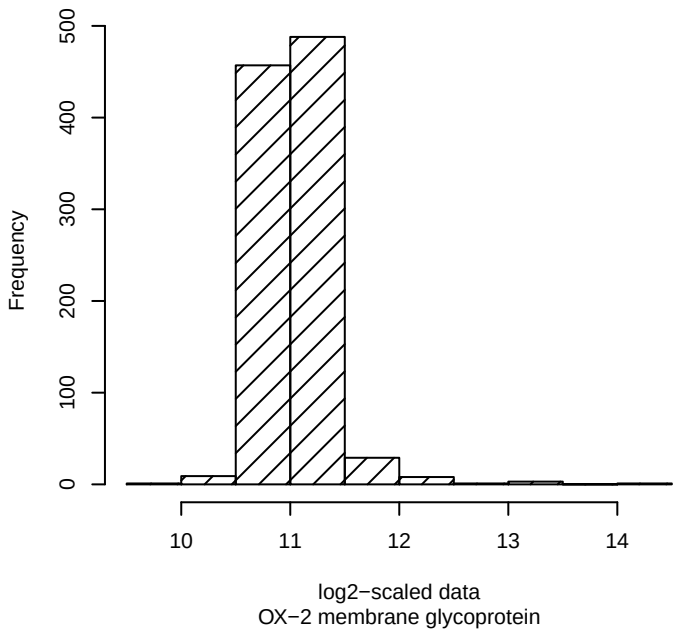

JAG1 (Uniprot: P78504, ProbeID: 5092−51_3)
log2−scaled data
9.8
10.0
10.2
10.4
10.6
10.8
11.0
11.2
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 sentinel (TRANS), p=3.9e−11, FC=−1.0448

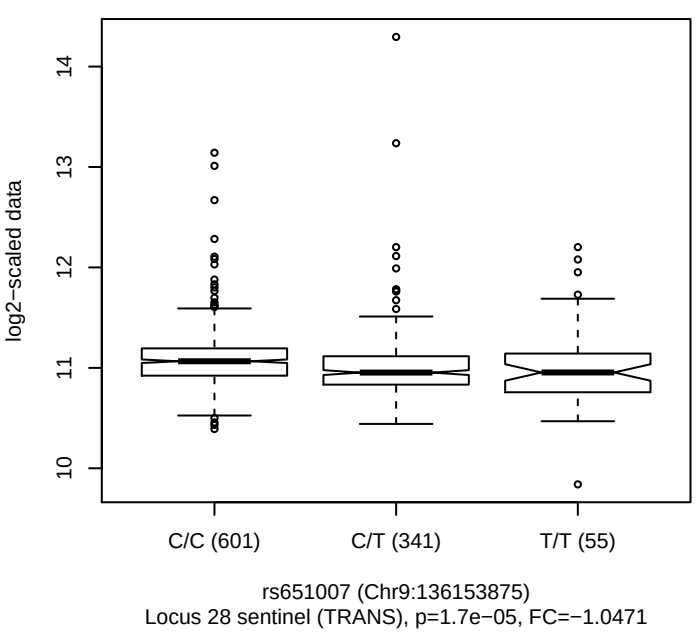

JAG1 (Uniprot: P78504, ProbeID: 5092−51_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Protein jagged−1

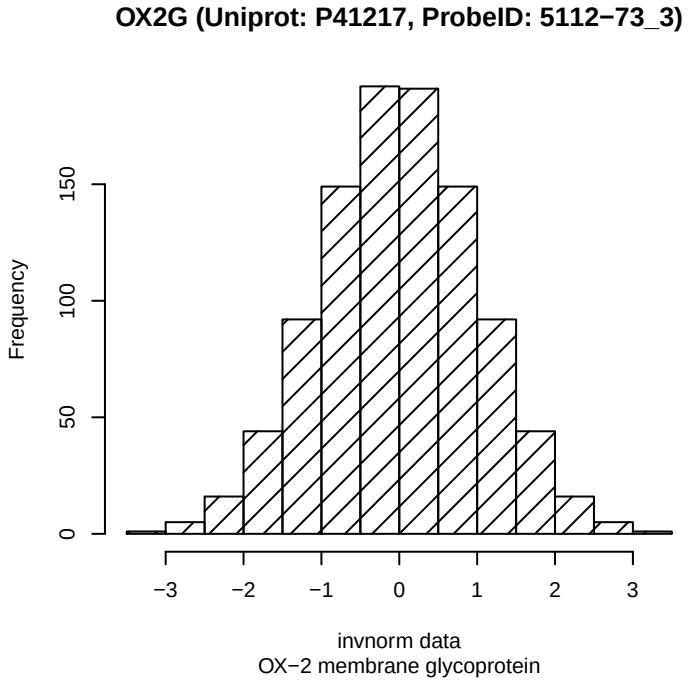

JAG1 (Uniprot: P78504, ProbeID: 5092−51_3)
invnorm data
−3
−2
−1
0
1
2
3
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 sentinel (TRANS), p=4.7e−11

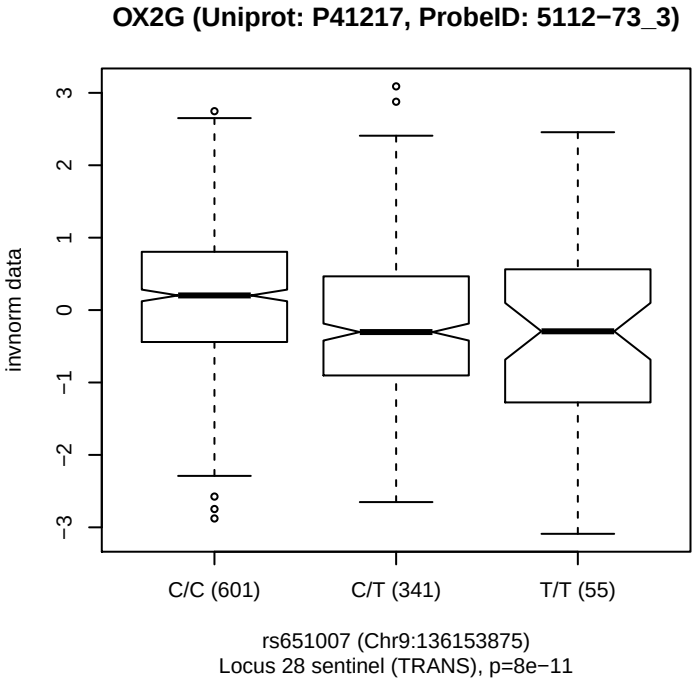

OX2G (Uniprot: P41217, ProbeID: 5112−73_3)
Frequency
0
100
200
300
400
500
600
0
5000
10000
15000
20000
raw data
OX−2 membrane glycoprotein

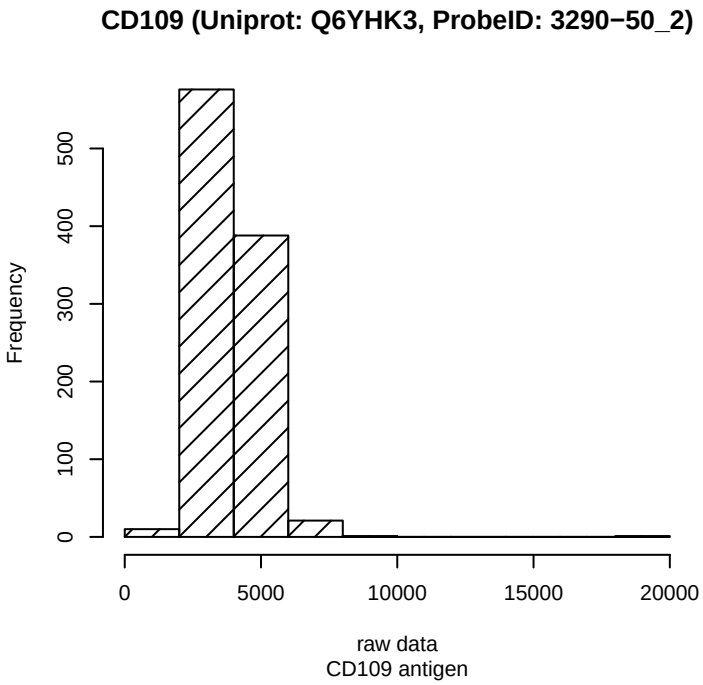

OX2G (Uniprot: P41217, ProbeID: 5112−73_3)
raw data
5000
10000
15000
20000
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 sentinel (TRANS), p=0.12

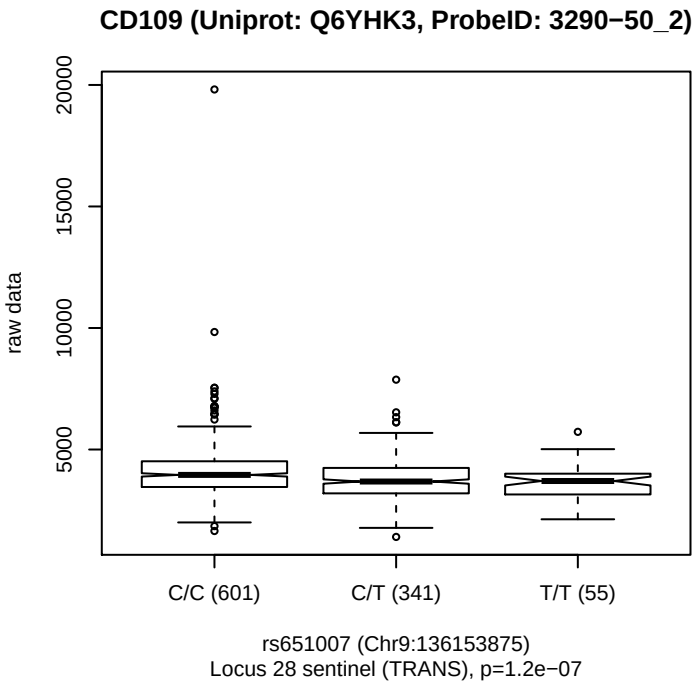

OX2G (Uniprot: P41217, ProbeID: 5112−73_3)
Frequency
0
100
200
300
400
500
10
11
12
13
14
log2−scaled data
OX−2 membrane glycoprotein

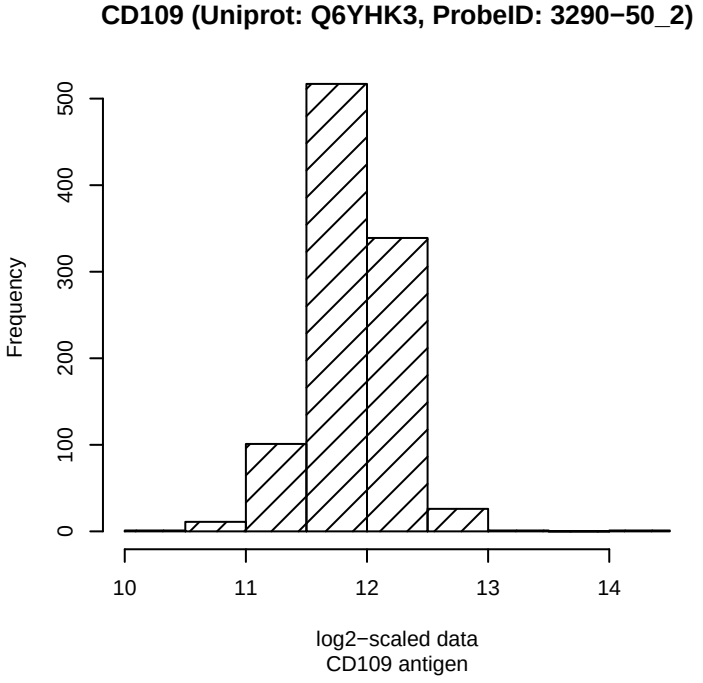

OX2G (Uniprot: P41217, ProbeID: 5112−73_3)
log2−scaled data
10
11
12
13
14
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 sentinel (TRANS), p=1.7e−05, FC=−1.0471

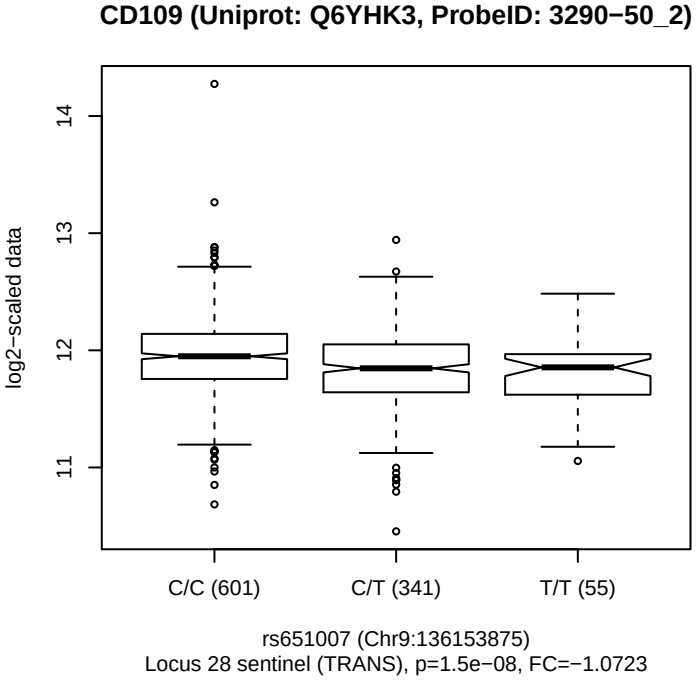

OX2G (Uniprot: P41217, ProbeID: 5112−73_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
OX−2 membrane glycoprotein

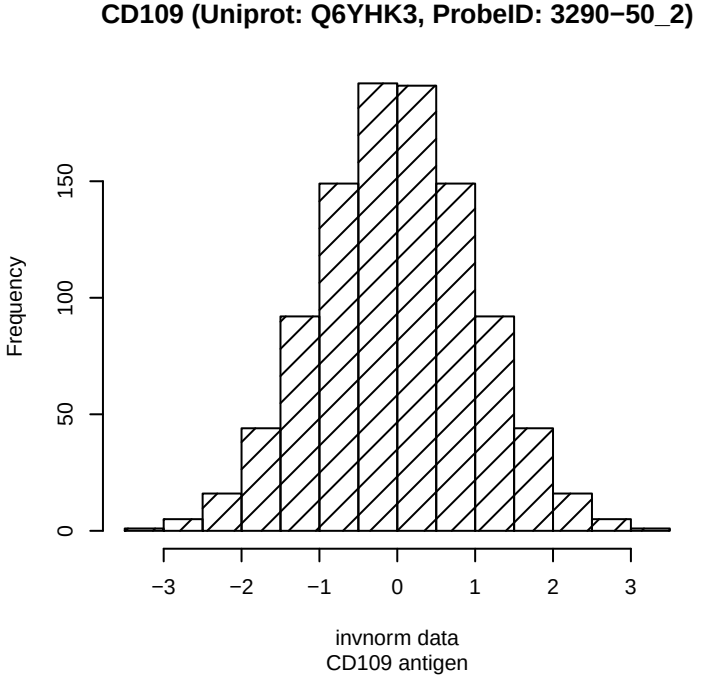

OX2G (Uniprot: P41217, ProbeID: 5112−73_3)
invnorm data
−3
−2
−1
0
1
2
3
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 sentinel (TRANS), p=8e−11

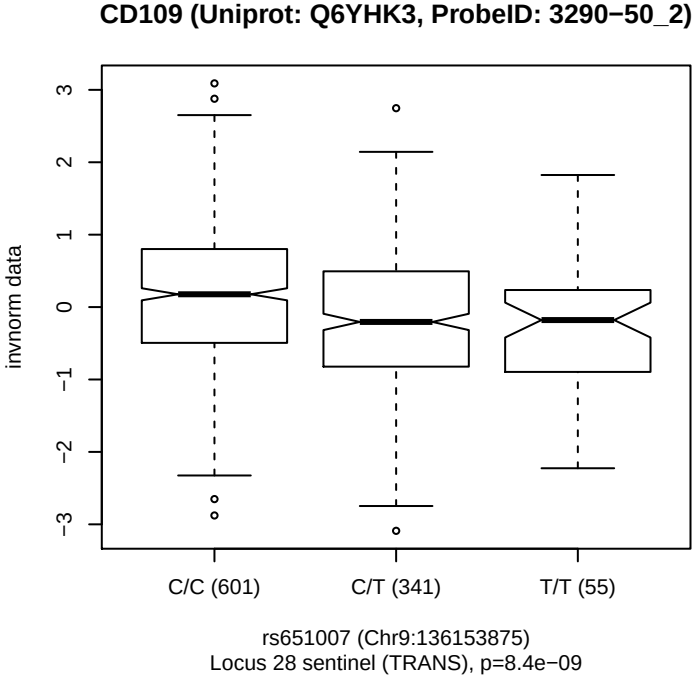

CD109 (Uniprot: Q6YHK3, ProbeID: 3290−50_2)
Frequency
0
100
200
300
400
500
0
5000
10000
15000
20000
raw data
CD109 antigen


CD109 (Uniprot: Q6YHK3, ProbeID: 3290−50_2)
raw data
5000
10000
15000
20000
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 sentinel (TRANS), p=1.2e−07

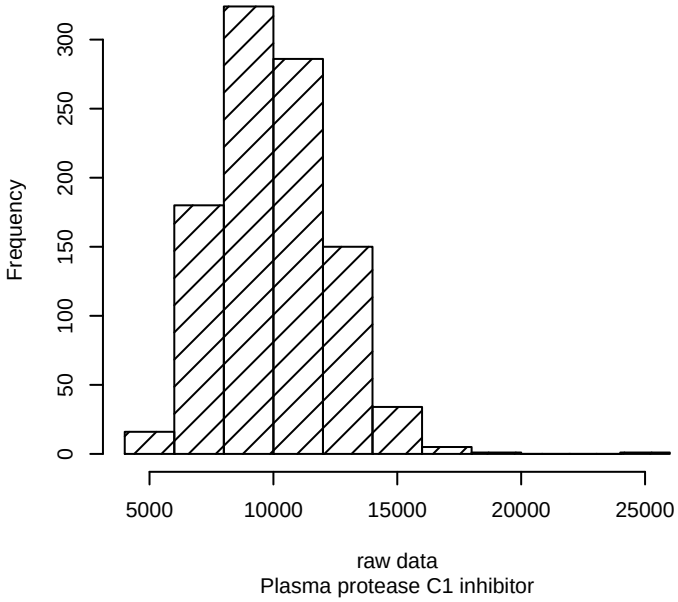

CD109 (Uniprot: Q6YHK3, ProbeID: 3290−50_2)
Frequency
0
100
200
300
400
500
10
11
12
13
14
log2−scaled data
CD109 antigen


CD109 (Uniprot: Q6YHK3, ProbeID: 3290−50_2)
log2−scaled data
11
12
13
14
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 sentinel (TRANS), p=1.5e−08, FC=−1.0723

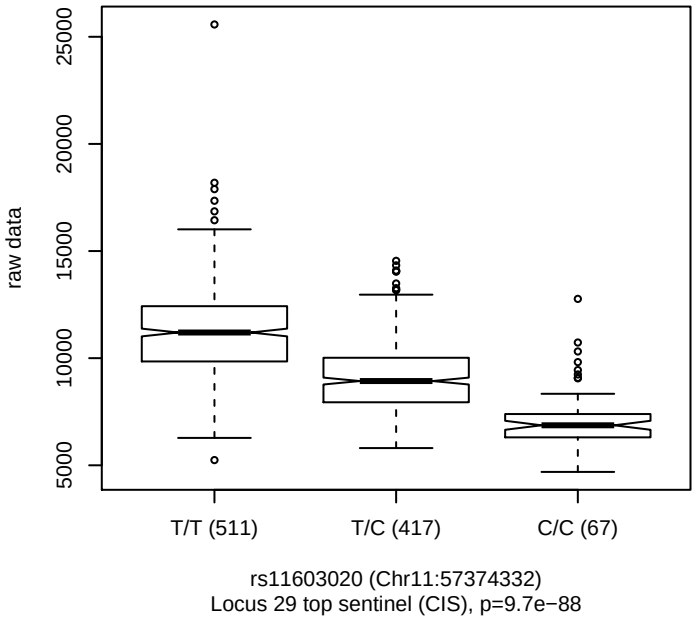

CD109 (Uniprot: Q6YHK3, ProbeID: 3290−50_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
CD109 antigen


CD109 (Uniprot: Q6YHK3, ProbeID: 3290−50_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (601)
C/T (341)
T/T (55)
rs651007 (Chr9:136153875)
Locus 28 sentinel (TRANS), p=8.4e−09

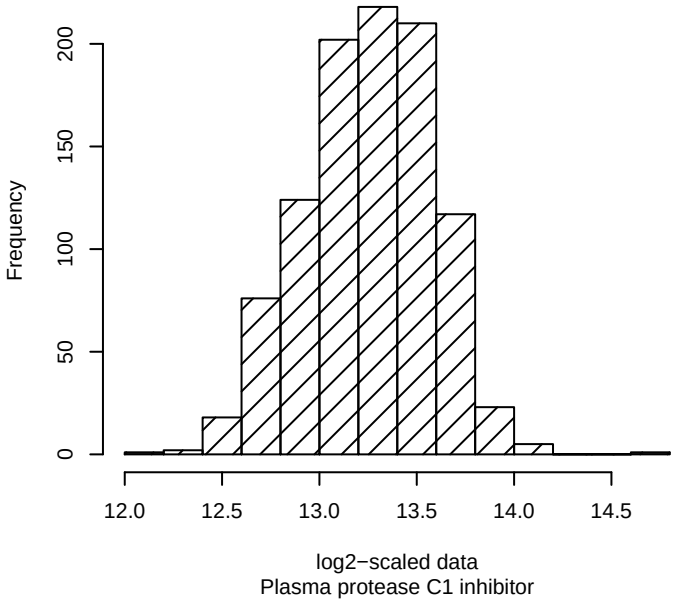
**C1−Esterase Inhibitor (Uniprot: P05155, ProbeID: 4479−14**



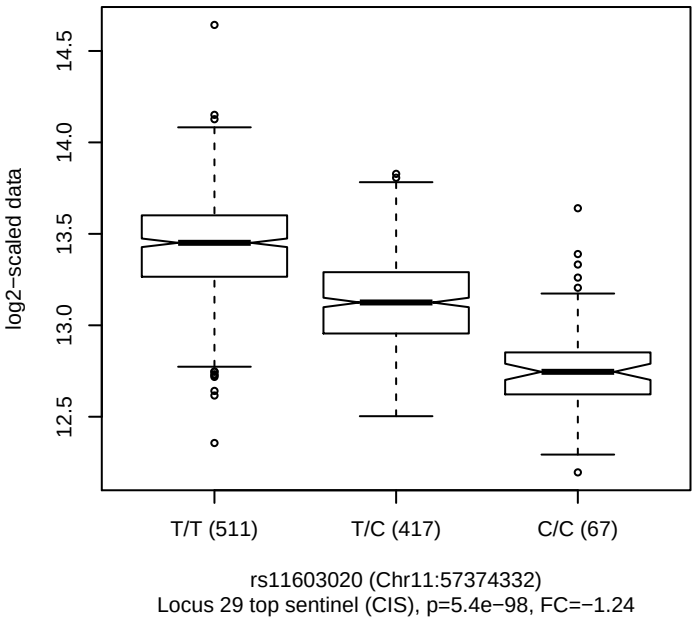

**C1−Esterase Inhibitor (Uniprot: P05155, ProbeID: 4479−14**



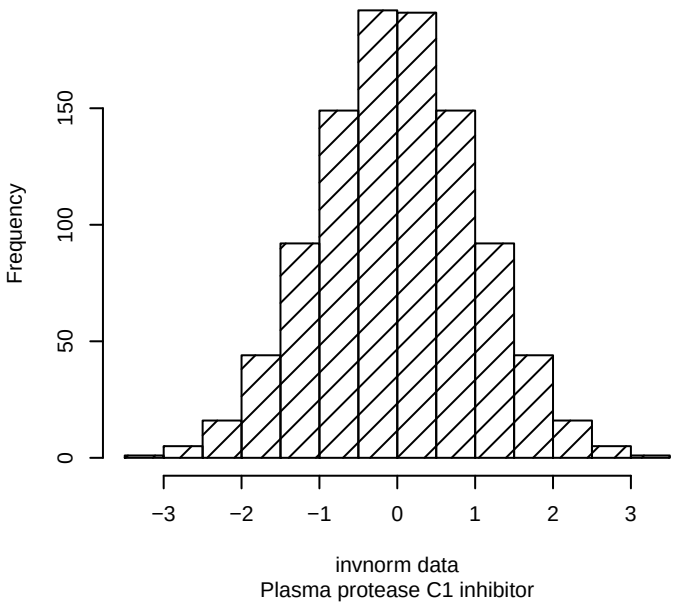

**C1−Esterase Inhibitor (Uniprot: P05155, ProbeID: 4479−14**



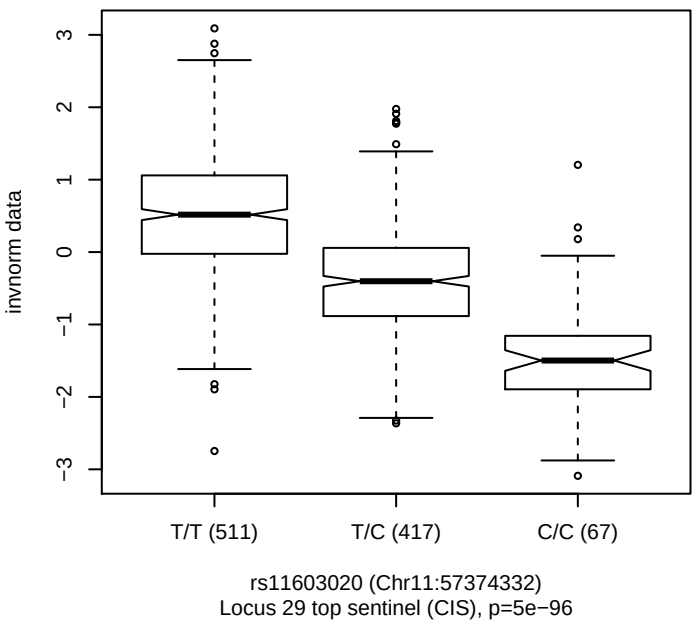

**C1−Esterase Inhibitor (Uniprot: P05155, ProbeID: 4479−14**

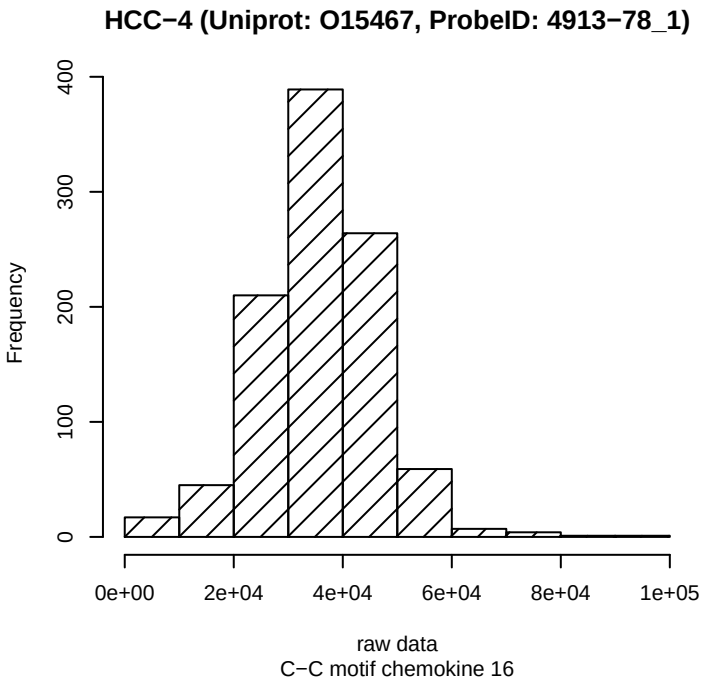


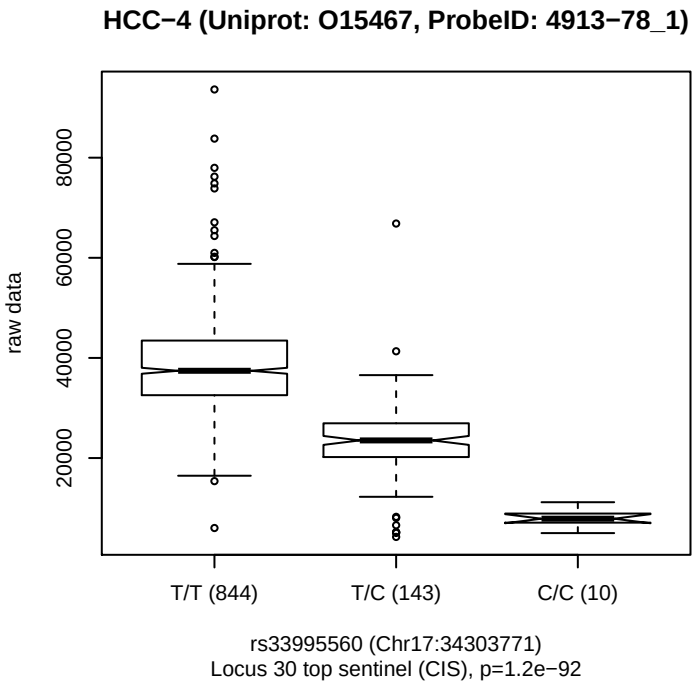

**C1−Esterase Inhibitor (Uniprot: P05155, ProbeID: 4479−14**

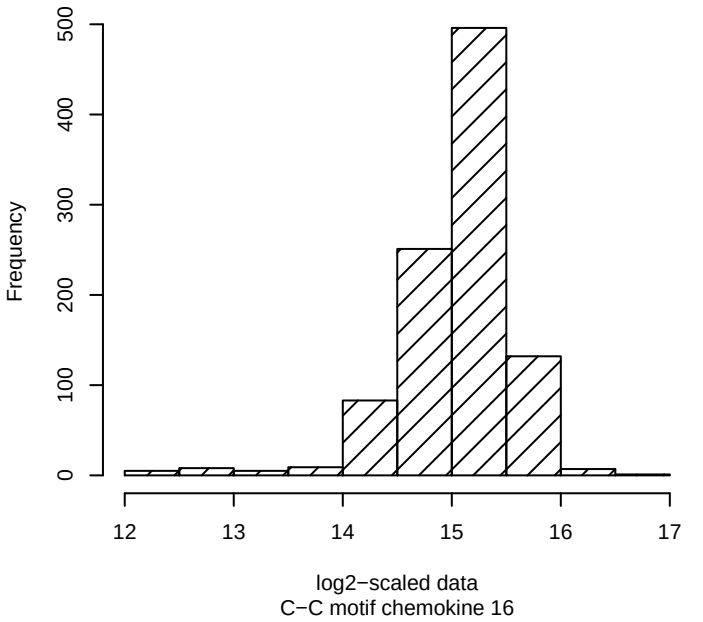


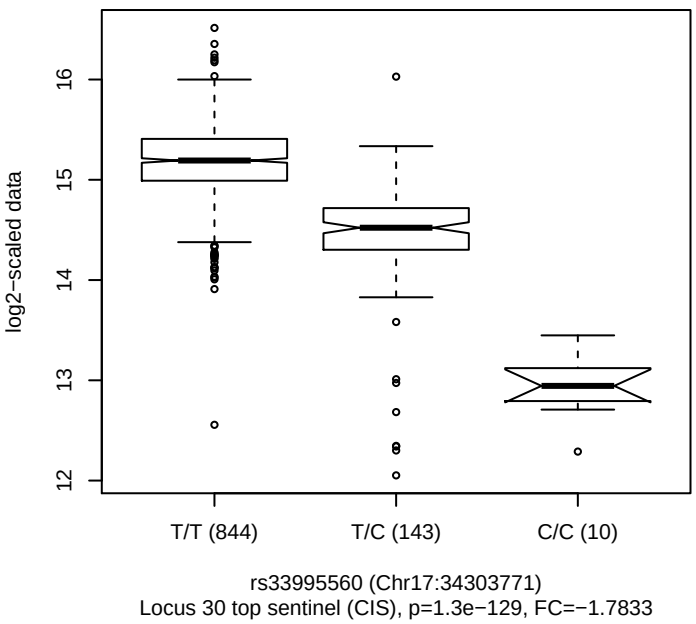

**C1−Esterase Inhibitor (Uniprot: P05155, ProbeID: 4479−14**

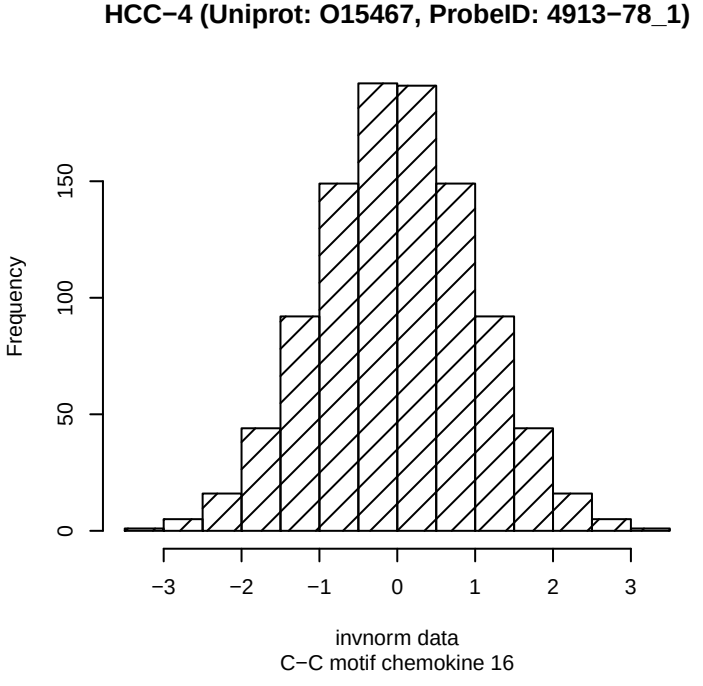


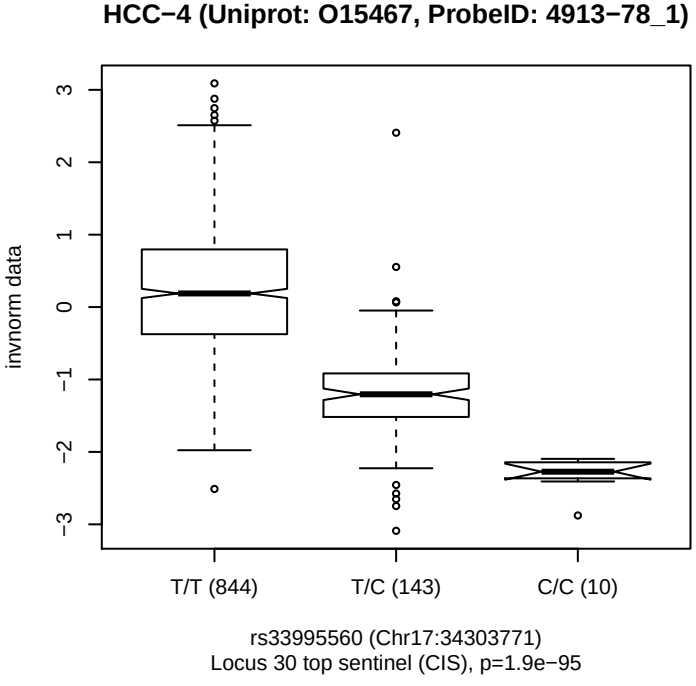

HCC−4 (Uniprot: O15467, ProbeID: 4913−78_1)
Frequency
0
100
200
300
400
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
raw data
C−C motif chemokine 16

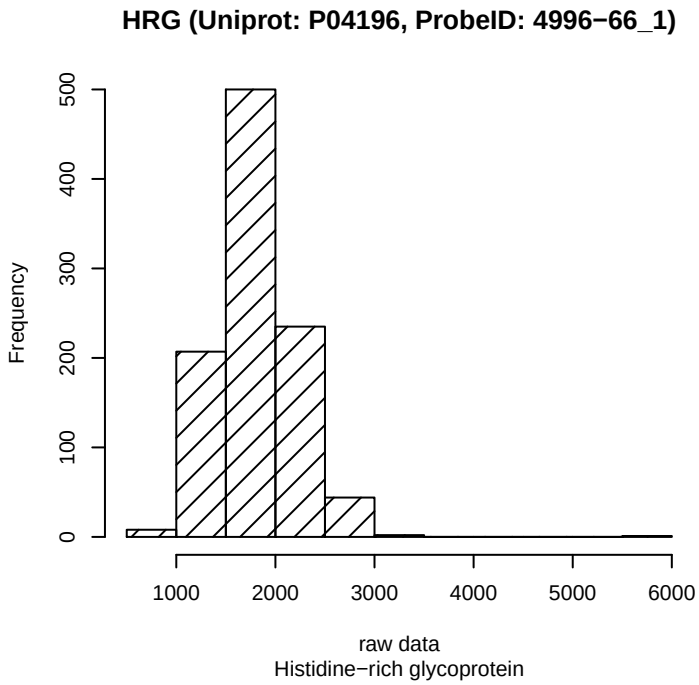

HCC−4 (Uniprot: O15467, ProbeID: 4913−78_1)
raw data
20000
40000
60000
80000
T/T (844)
T/C (143)
C/C (10)
rs33995560 (Chr17:34303771)
Locus 30 top sentinel (CIS), p=1.2e−92

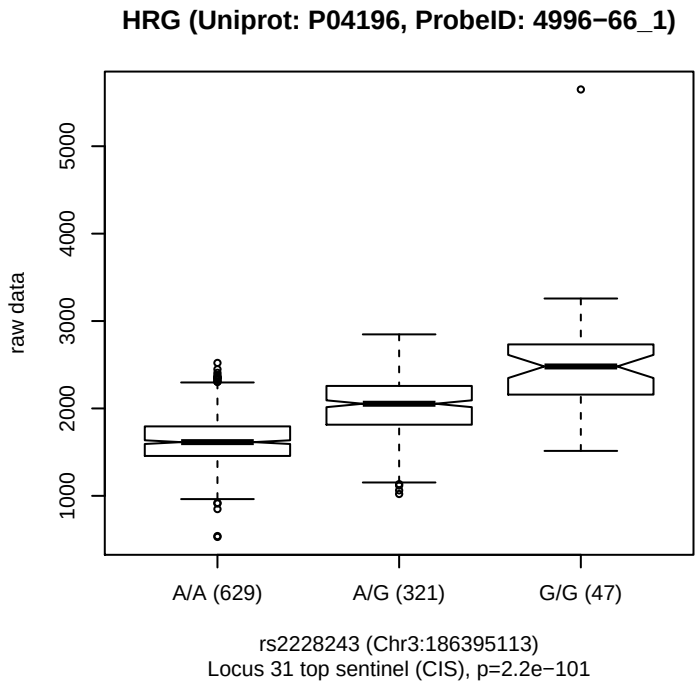

HCC−4 (Uniprot: O15467, ProbeID: 4913−78_1)
Frequency
0
100
200
300
400
500
12
13
14
15
16
17
log2−scaled data
C−C motif chemokine 16

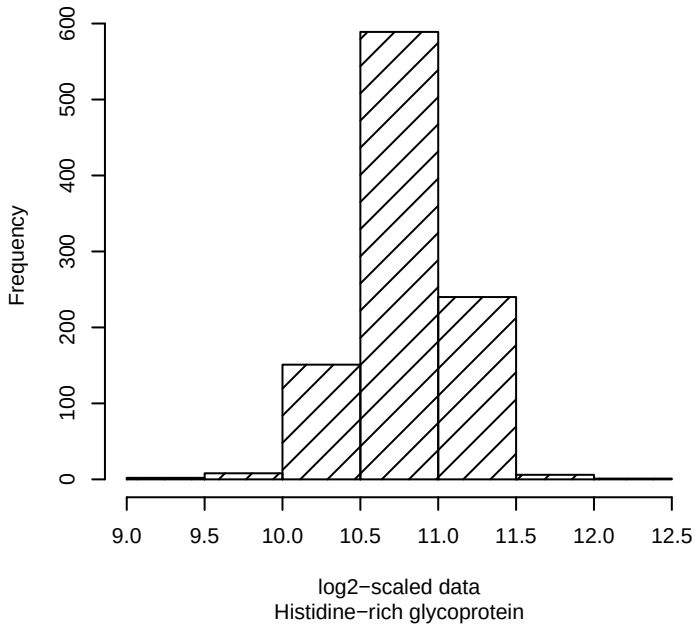

HCC−4 (Uniprot: O15467, ProbeID: 4913−78_1)
log2−scaled data
12
13
14
15
16
T/T (844)
T/C (143)
C/C (10)
rs33995560 (Chr17:34303771)
Locus 30 top sentinel (CIS), p=1.3e−129, FC=−1.7833

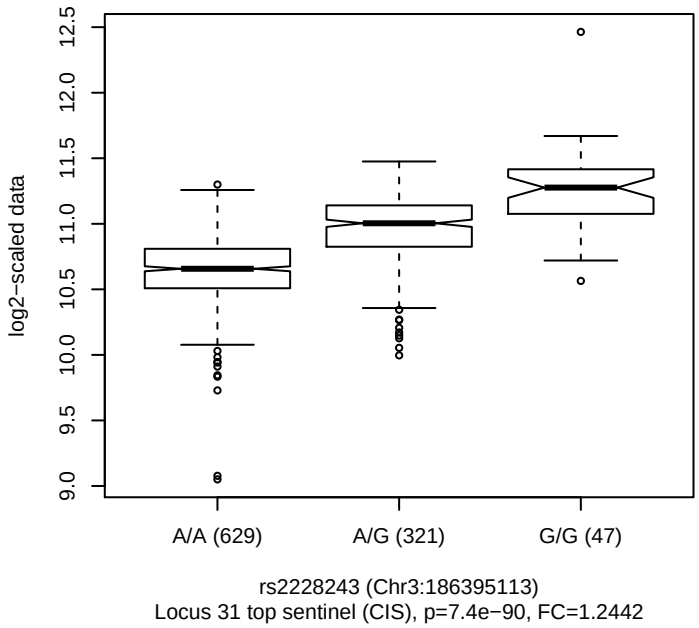

HCC−4 (Uniprot: O15467, ProbeID: 4913−78_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 16

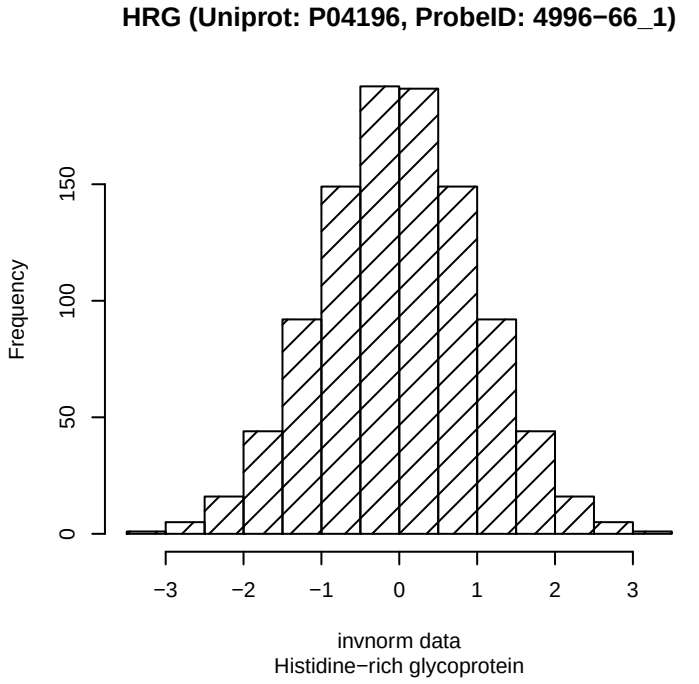

HCC−4 (Uniprot: O15467, ProbeID: 4913−78_1)
invnorm data
−3
−2
−1
0
1
2
3
T/T (844)
T/C (143)
C/C (10)
rs33995560 (Chr17:34303771)
Locus 30 top sentinel (CIS), p=1.9e−95

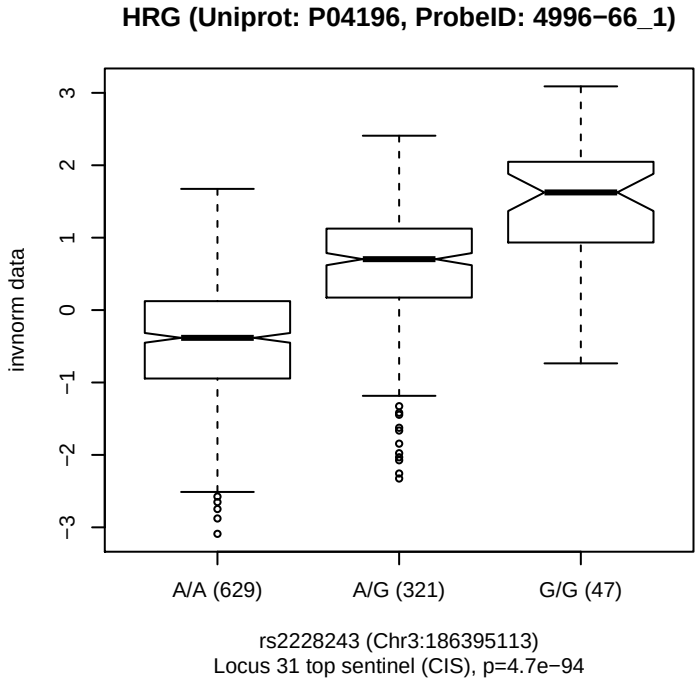

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
Frequency
0
100
200
300
400
500
1000
2000
3000
4000
5000
6000
raw data
Histidine−rich glycoprotein

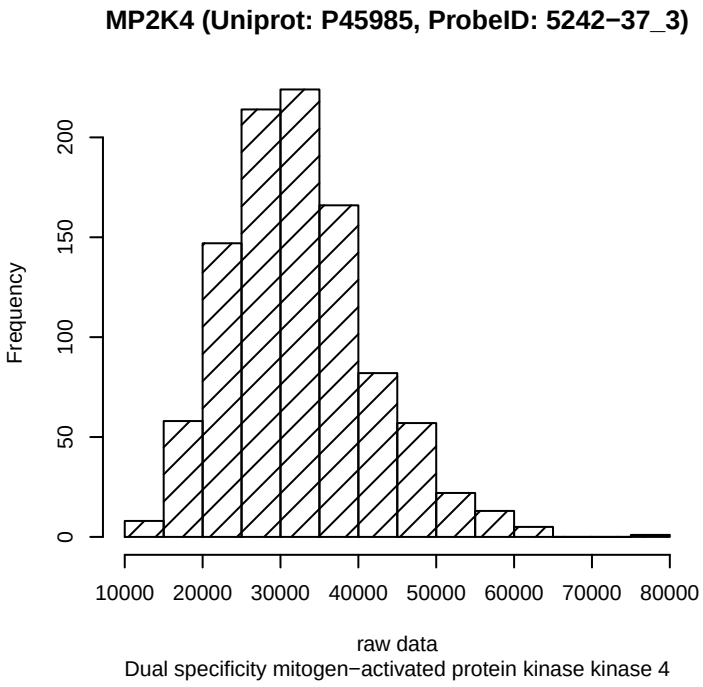

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
raw data
1000
2000
3000
4000
5000
A/A (629)
A/G (321)
G/G (47)
rs2228243 (Chr3:186395113)
Locus 31 top sentinel (CIS), p=2.2e−101

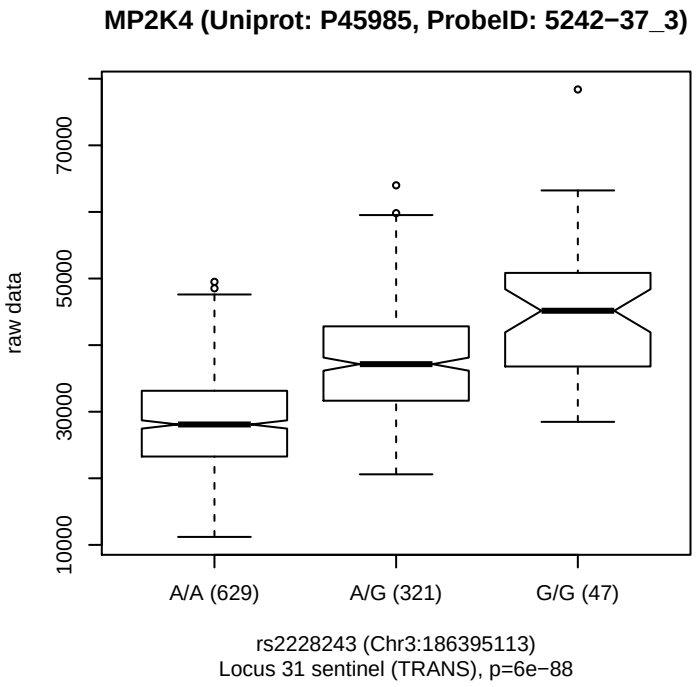

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
Frequency
0
100
200
300
400
500
600
9.0
9.5
10.0
10.5
11.0
11.5
12.0
12.5
log2−scaled data
Histidine−rich glycoprotein

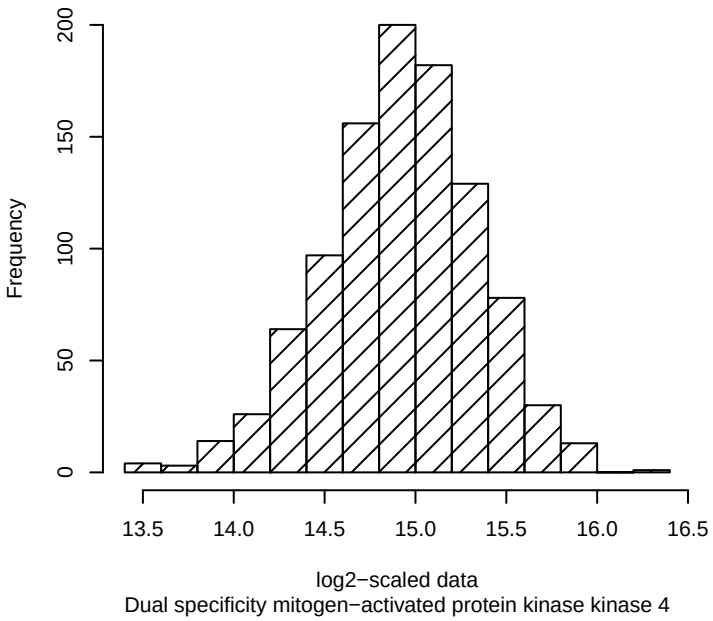

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
log2−scaled data
9.0
9.5
10.0
10.5
11.0
11.5
12.0
12.5
A/A (629)
A/G (321)
G/G (47)
rs2228243 (Chr3:186395113)
Locus 31 top sentinel (CIS), p=7.4e−90, FC=1.2442

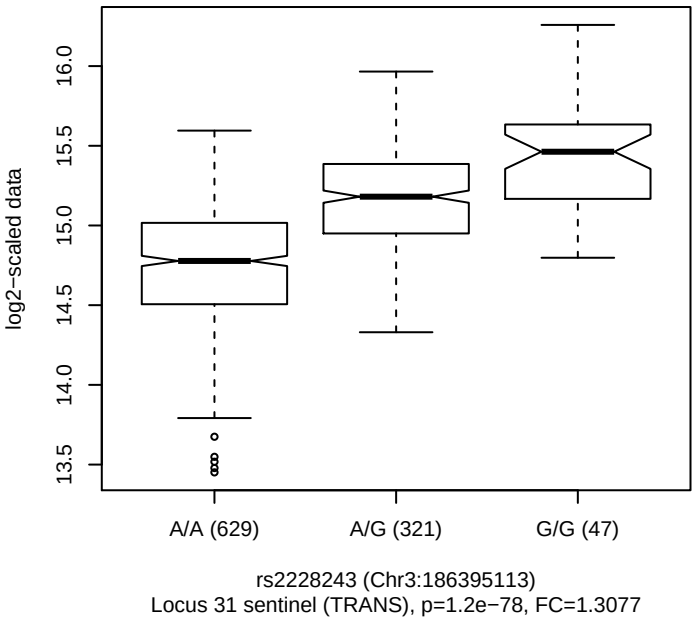

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Histidine−rich glycoprotein

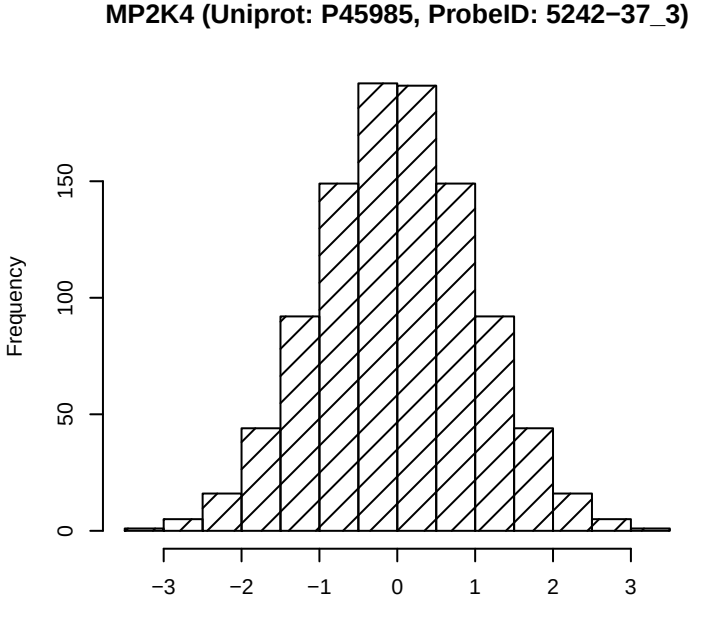

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
invnorm data
−3
−2
−1
0
1
2
3
A/A (629)
A/G (321)
G/G (47)
rs2228243 (Chr3:186395113)
Locus 31 top sentinel (CIS), p=4.7e−94

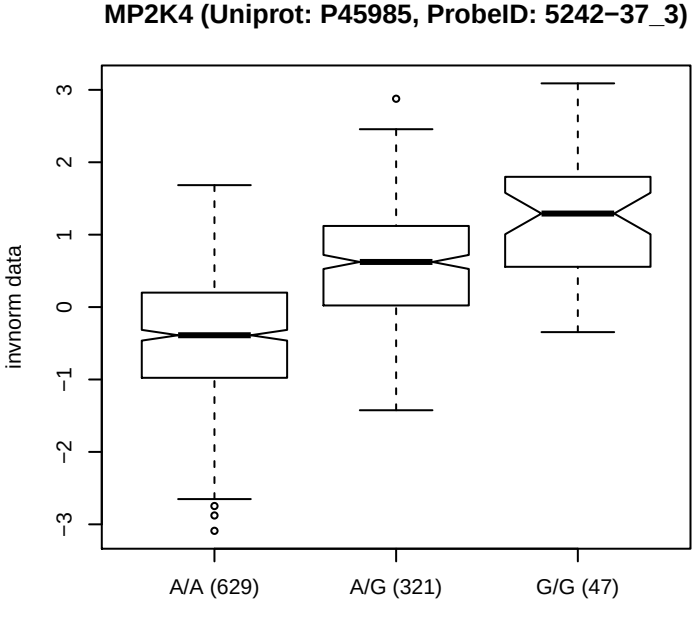

MP2K4 (Uniprot: P45985, ProbeID: 5242−37_3)
Frequency
0
50
100
150
200
10000
20000
30000
40000
50000
60000
70000
80000
raw data
Dual specificity mitogen−activated protein kinase kinase 4

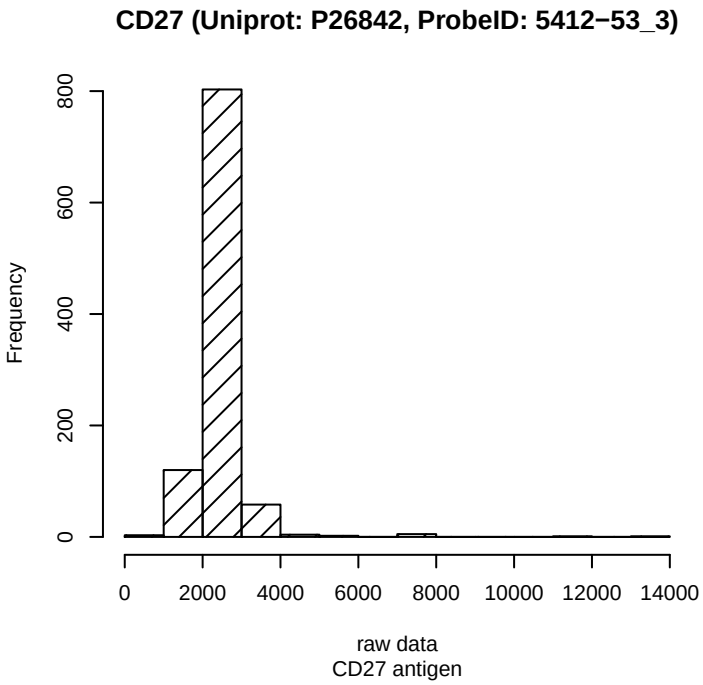

MP2K4 (Uniprot: P45985, ProbeID: 5242−37_3)
raw data
10000
30000
50000
70000
A/A (629)
A/G (321)
G/G (47)
rs2228243 (Chr3:186395113)
Locus 31 sentinel (TRANS), p=6e−88

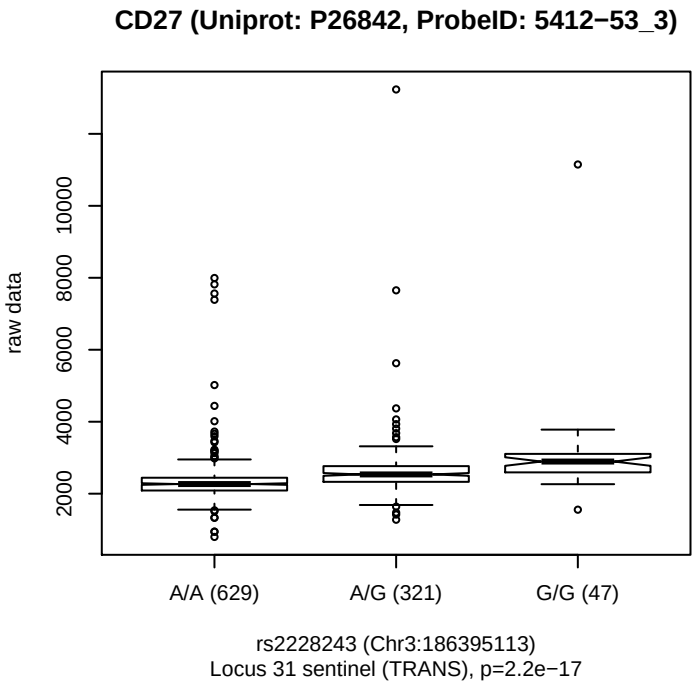

MP2K4 (Uniprot: P45985, ProbeID: 5242−37_3)
Frequency
0
50
100
150
200
13.5
14.0
14.5
15.0
15.5
16.0
16.5
log2−scaled data
Dual specificity mitogen−activated protein kinase kinase 4

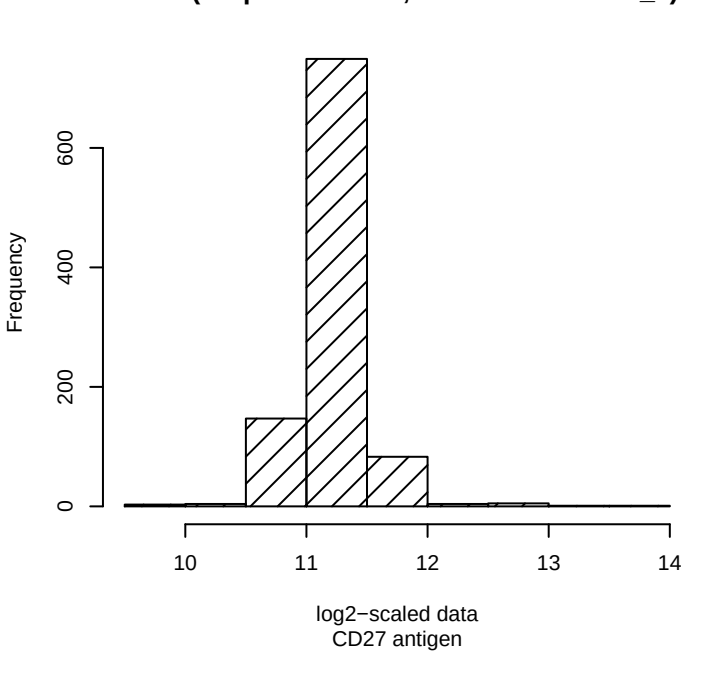

MP2K4 (Uniprot: P45985, ProbeID: 5242−37_3)
log2−scaled data
13.5
14.0
14.5
15.0
15.5
16.0
A/A (629)
A/G (321)
G/G (47)
rs2228243 (Chr3:186395113)
Locus 31 sentinel (TRANS), p=1.2e−78, FC=1.3077

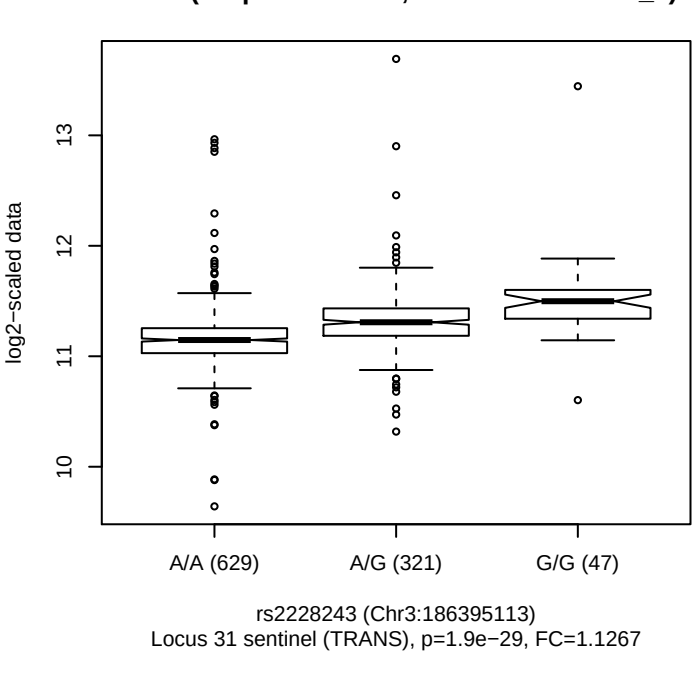

MP2K4 (Uniprot: P45985, ProbeID: 5242−37_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Dual specificity mitogen−activated protein kinase kinase 4

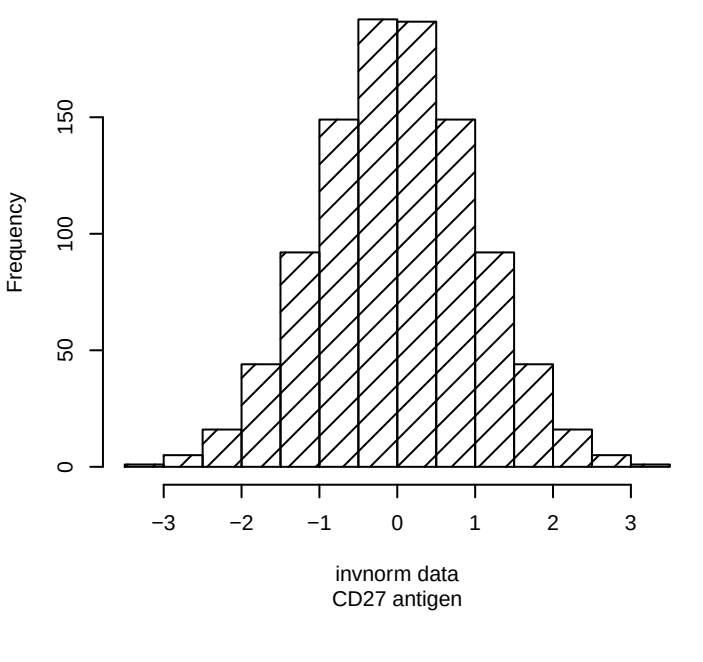

MP2K4 (Uniprot: P45985, ProbeID: 5242−37_3)
invnorm data
−3
−2
−1
0
1
2
3
A/A (629)
A/G (321)
G/G (47)
rs2228243 (Chr3:186395113)
Locus 31 sentinel (TRANS), p=4.2e−82

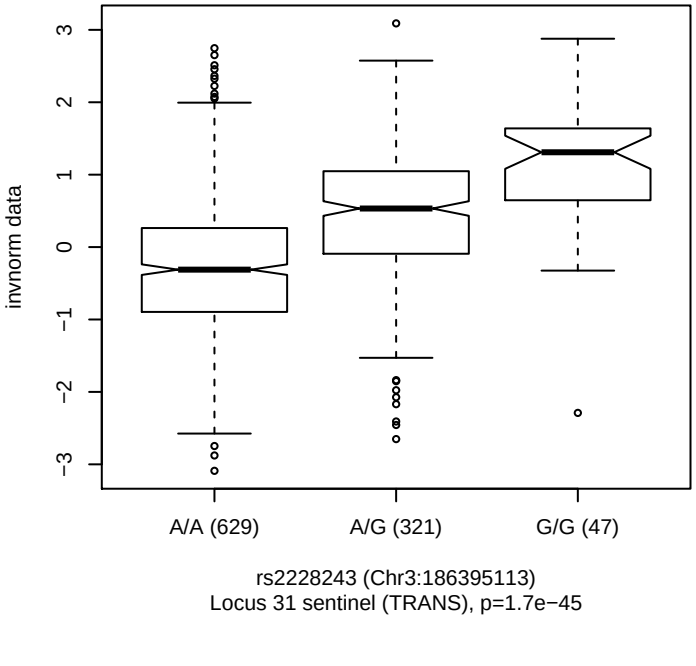

CD27 (Uniprot: P26842, ProbeID: 5412−53_3)
Frequency
0
200
400
600
800
0
2000
4000
6000
8000
10000
12000
14000
raw data
CD27 antigen


CD27 (Uniprot: P26842, ProbeID: 5412−53_3)
raw data
2000
4000
6000
8000
10000
A/A (629)
A/G (321)
G/G (47)
rs2228243 (Chr3:186395113)
Locus 31 sentinel (TRANS), p=2.2e−17

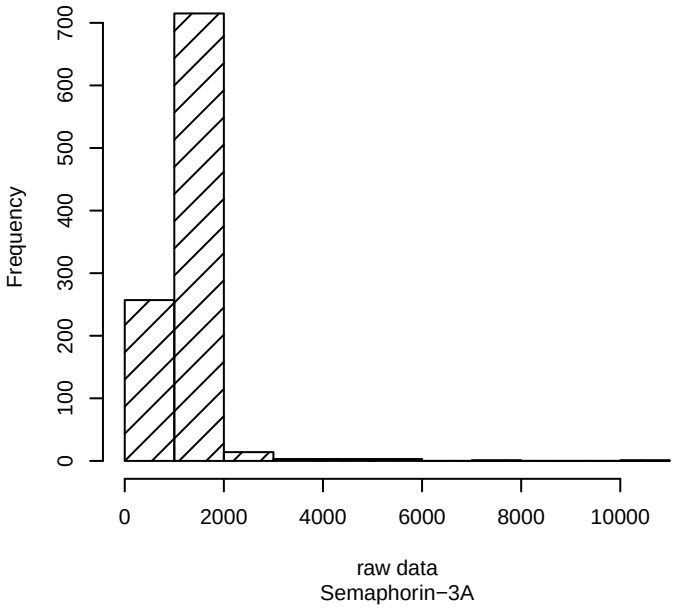

CD27 (Uniprot: P26842, ProbeID: 5412−53_3)
Frequency
0
200
400
600
10
11
12
13
14
log2−scaled data
CD27 antigen


CD27 (Uniprot: P26842, ProbeID: 5412−53_3)
log2−scaled data
10
11
12
13
A/A (629)
A/G (321)
G/G (47)
rs2228243 (Chr3:186395113)
Locus 31 sentinel (TRANS), p=1.9e−29, FC=1.1267

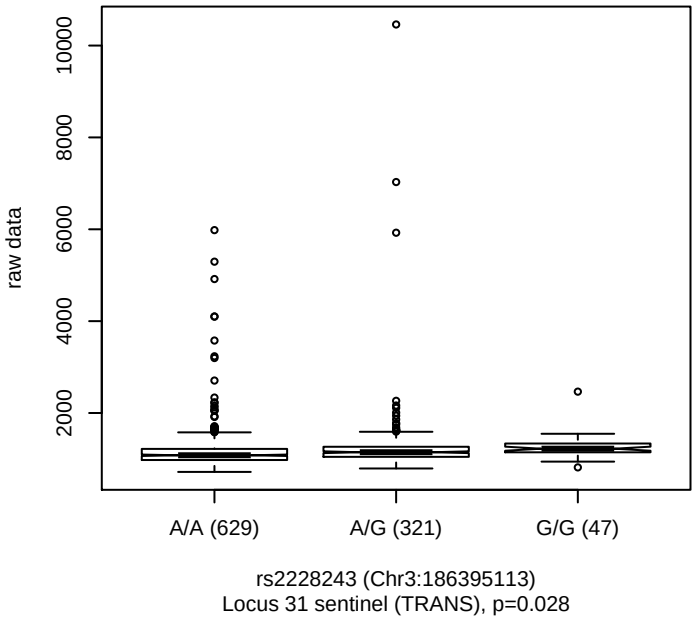

CD27 (Uniprot: P26842, ProbeID: 5412−53_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
CD27 antigen


CD27 (Uniprot: P26842, ProbeID: 5412−53_3)
invnorm data
−3
−2
−1
0
1
2
3
A/A (629)
A/G (321)
G/G (47)
rs2228243 (Chr3:186395113)
Locus 31 sentinel (TRANS), p=1.7e−45

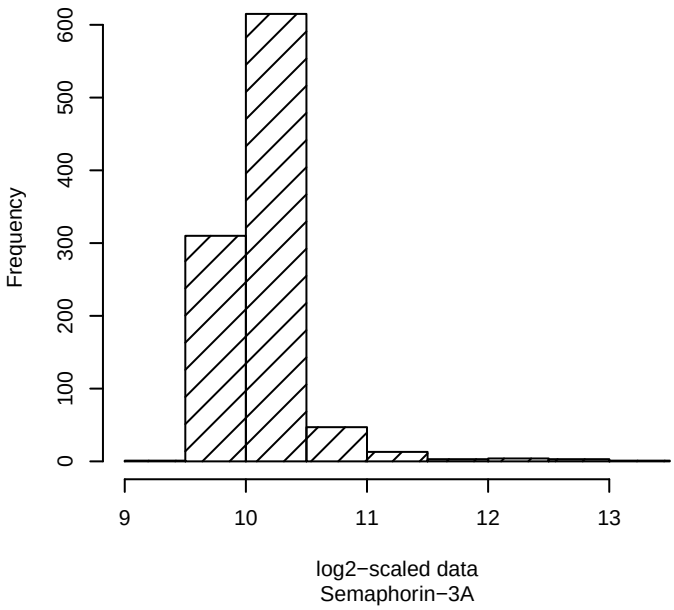
**Semaphorin 3A (Uniprot: Q14563, ProbeID: 3222−11_2)**



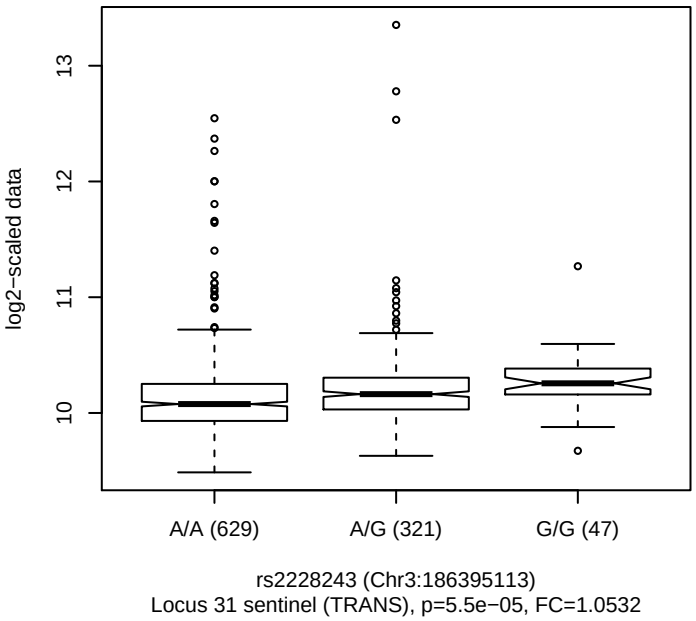

**Semaphorin 3A (Uniprot: Q14563, ProbeID: 3222−11_2)**



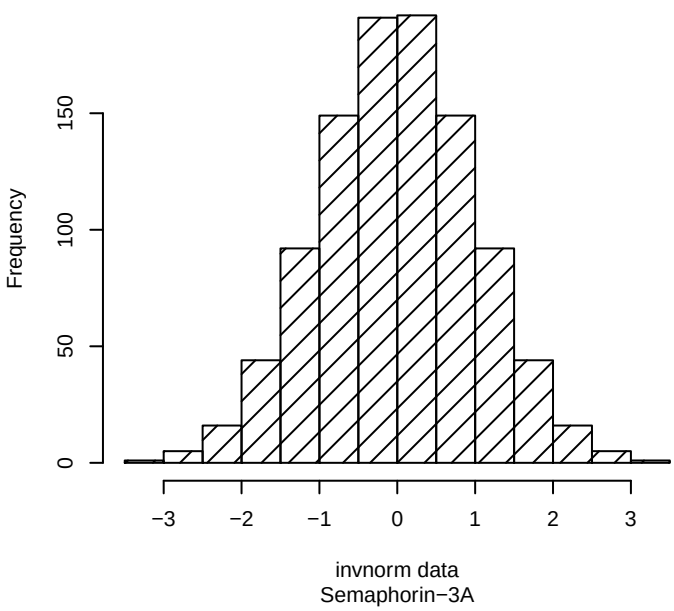

**Semaphorin 3A (Uniprot: Q14563, ProbeID: 3222−11_2)**



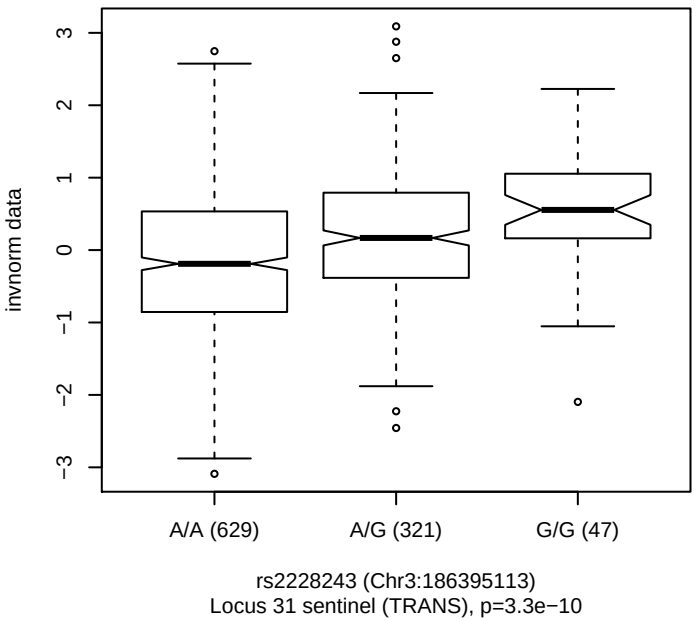

**Semaphorin 3A (Uniprot: Q14563, ProbeID: 3222−11_2)**

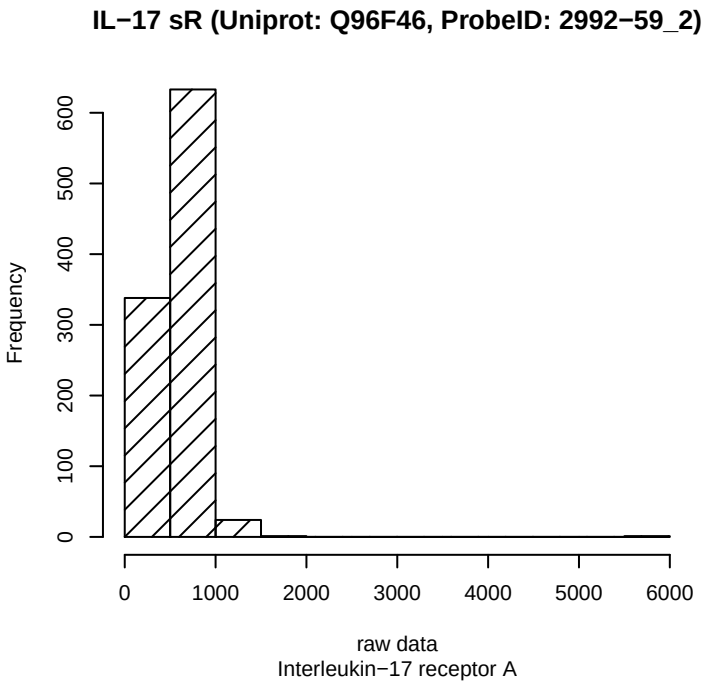


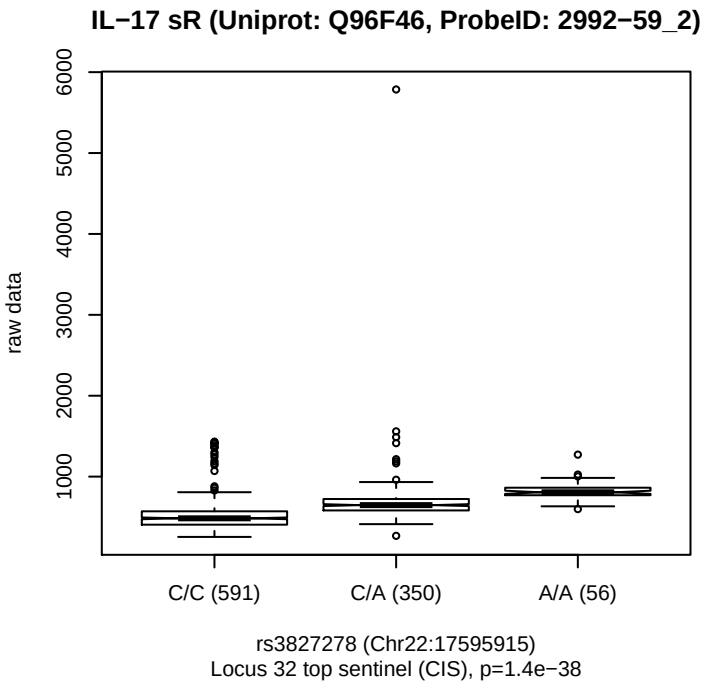

**Semaphorin 3A (Uniprot: Q14563, ProbeID: 3222−11_2)**

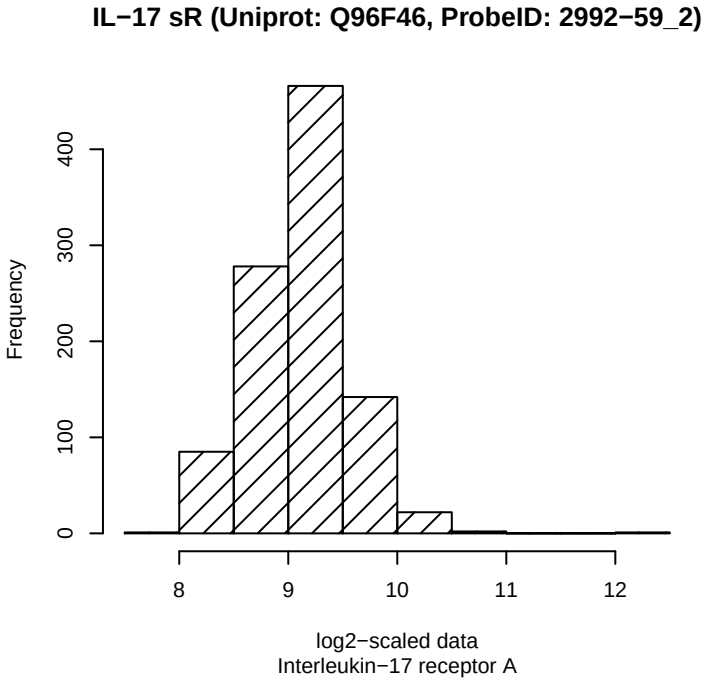


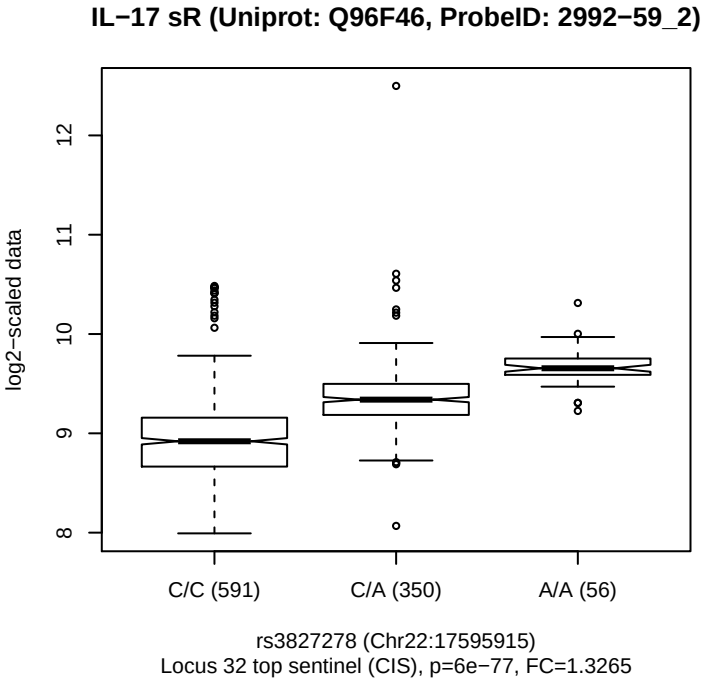

**Semaphorin 3A (Uniprot: Q14563, ProbeID: 3222−11_2)**

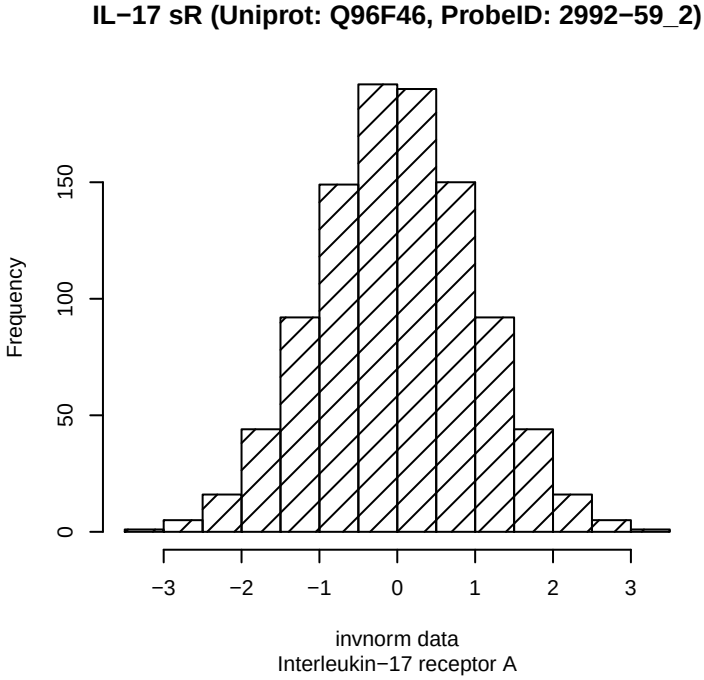


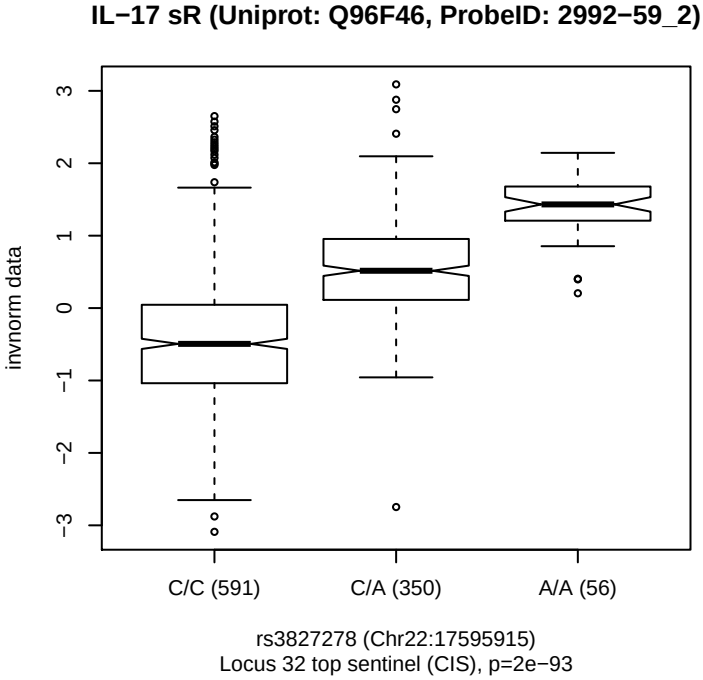

IL−17 sR (Uniprot: Q96F46, ProbeID: 2992−59_2)
Frequency
0
100
200
300
400
500
600
0
1000
2000
3000
4000
5000
6000
raw data
Interleukin−17 receptor A

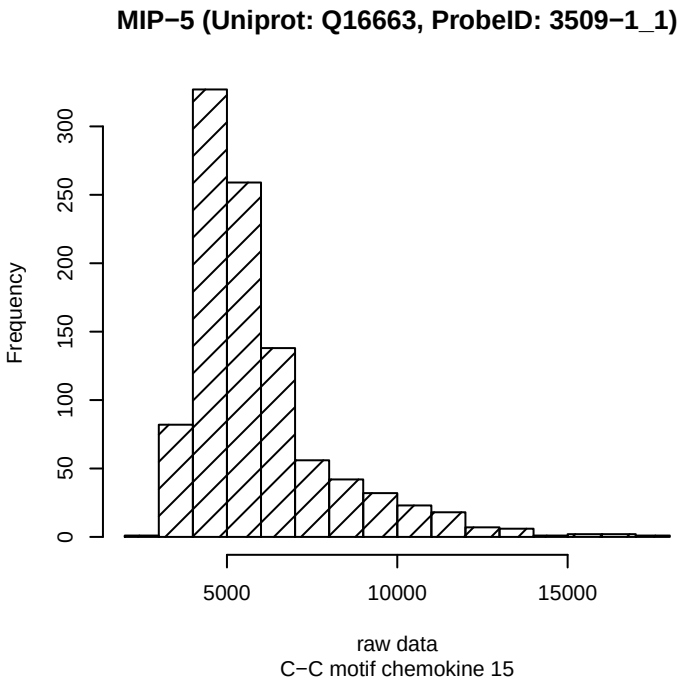

IL−17 sR (Uniprot: Q96F46, ProbeID: 2992−59_2)
raw data
1000
2000
3000
4000
5000
6000
C/C (591)
C/A (350)
A/A (56)
rs3827278 (Chr22:17595915)
Locus 32 top sentinel (CIS), p=1.4e−38

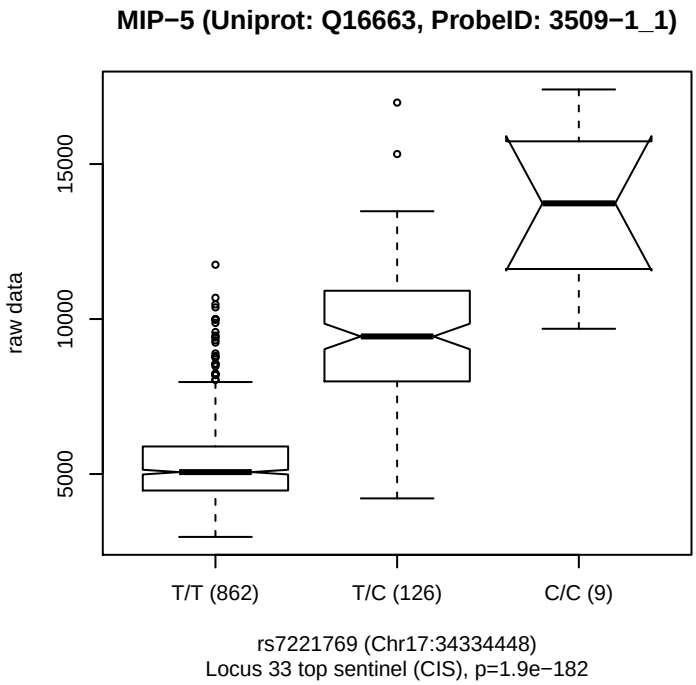

IL−17 sR (Uniprot: Q96F46, ProbeID: 2992−59_2)
Frequency
0
100
200
300
400
8
9
10
11
12
log2−scaled data
Interleukin−17 receptor A

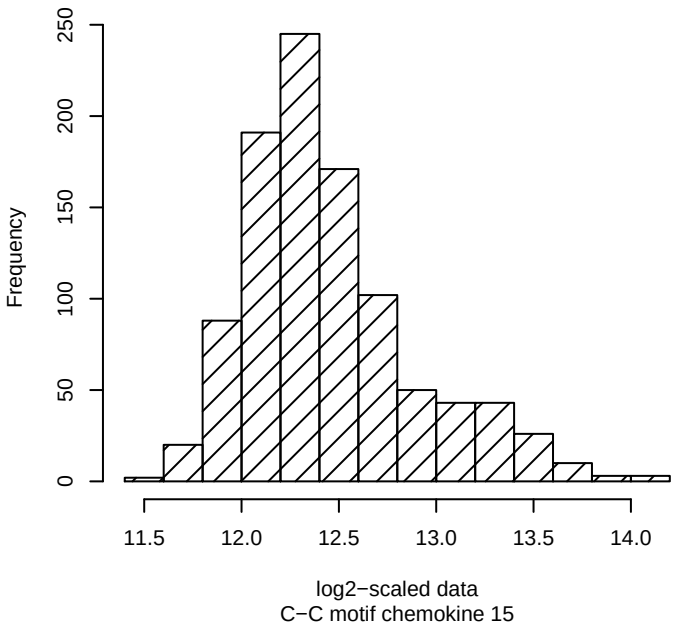

IL−17 sR (Uniprot: Q96F46, ProbeID: 2992−59_2)
log2−scaled data
8
9
10
11
12
C/C (591)
C/A (350)
A/A (56)
rs3827278 (Chr22:17595915)
Locus 32 top sentinel (CIS), p=6e−77, FC=1.3265

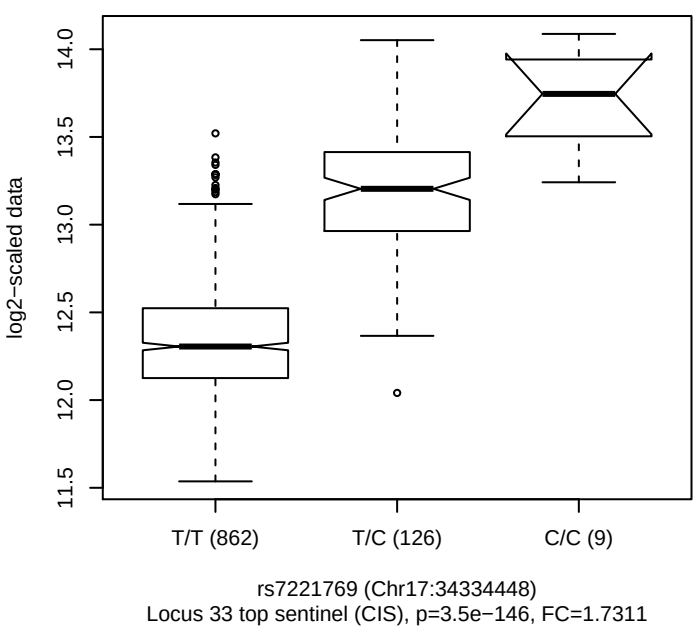

IL−17 sR (Uniprot: Q96F46, ProbeID: 2992−59_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−17 receptor A

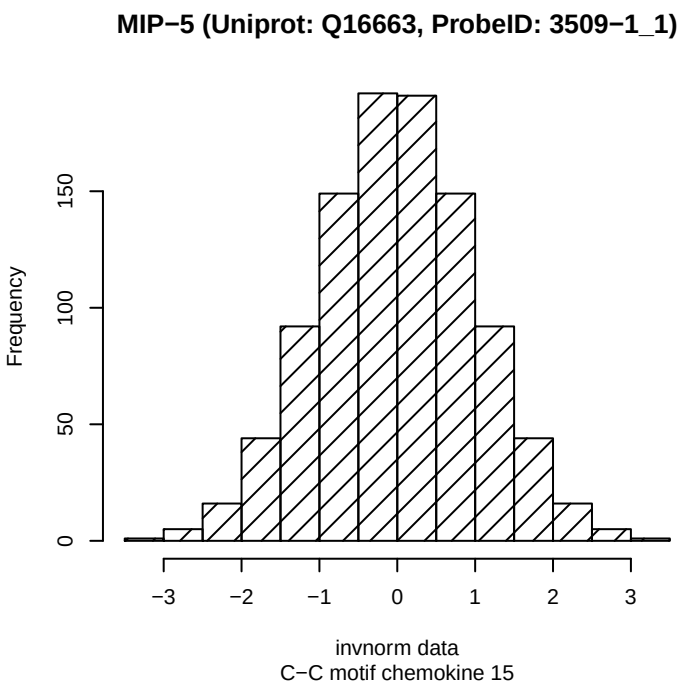

IL−17 sR (Uniprot: Q96F46, ProbeID: 2992−59_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (591)
C/A (350)
A/A (56)
rs3827278 (Chr22:17595915)
Locus 32 top sentinel (CIS), p=2e−93

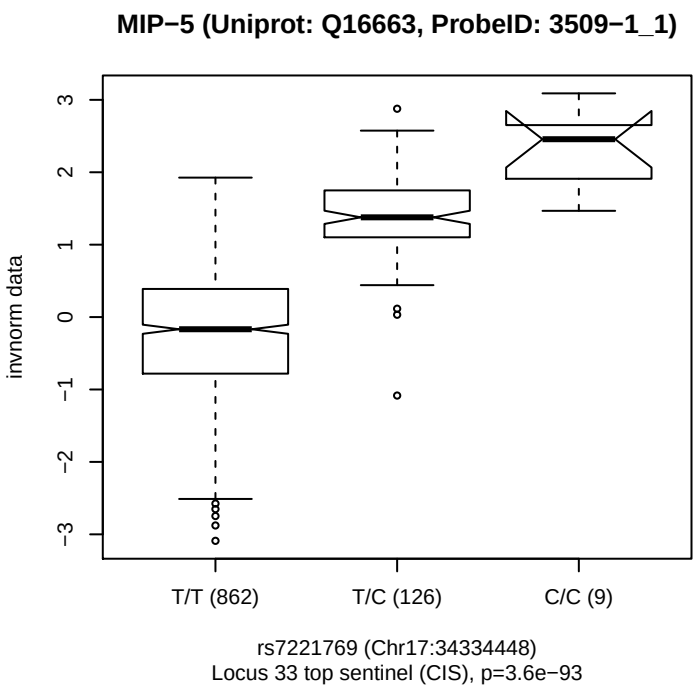

MIP−5 (Uniprot: Q16663, ProbeID: 3509−1_1)
Frequency
0
50
100
150
200
250
300
5000
10000
15000
raw data
C−C motif chemokine 15

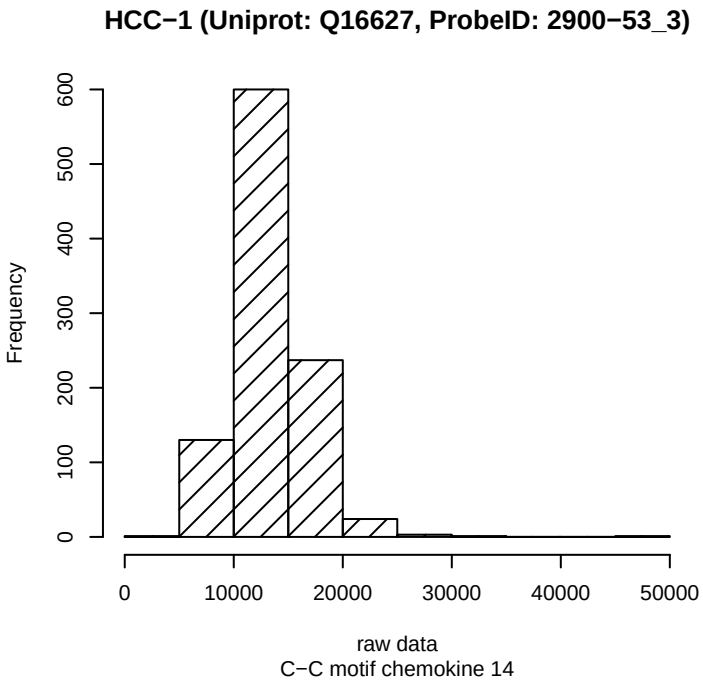

MIP−5 (Uniprot: Q16663, ProbeID: 3509−1_1)
raw data
5000
10000
15000
T/T (862)
T/C (126)
C/C (9)
rs7221769 (Chr17:34334448)
Locus 33 top sentinel (CIS), p=1.9e−182

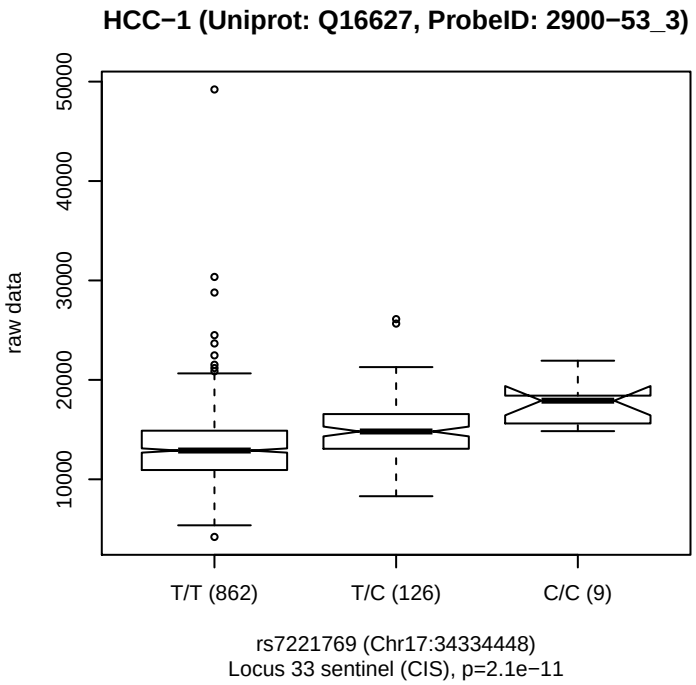

MIP−5 (Uniprot: Q16663, ProbeID: 3509−1_1)
Frequency
0
50
100
150
200
250
11.5
12.0
12.5
13.0
13.5
14.0
log2−scaled data
C−C motif chemokine 15

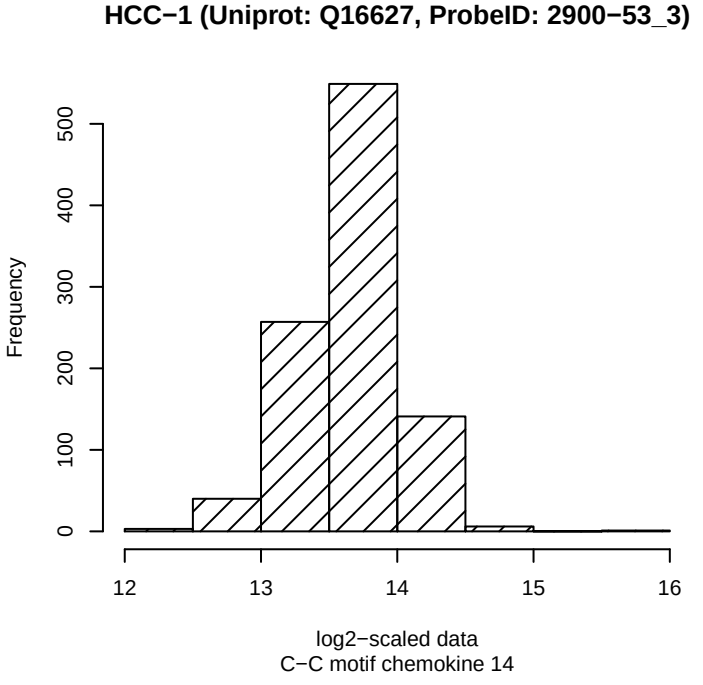

MIP−5 (Uniprot: Q16663, ProbeID: 3509−1_1)
log2−scaled data
11.5
12.0
12.5
13.0
13.5
14.0
T/T (862)
T/C (126)
C/C (9)
rs7221769 (Chr17:34334448)
Locus 33 top sentinel (CIS), p=3.5e−146, FC=1.7311

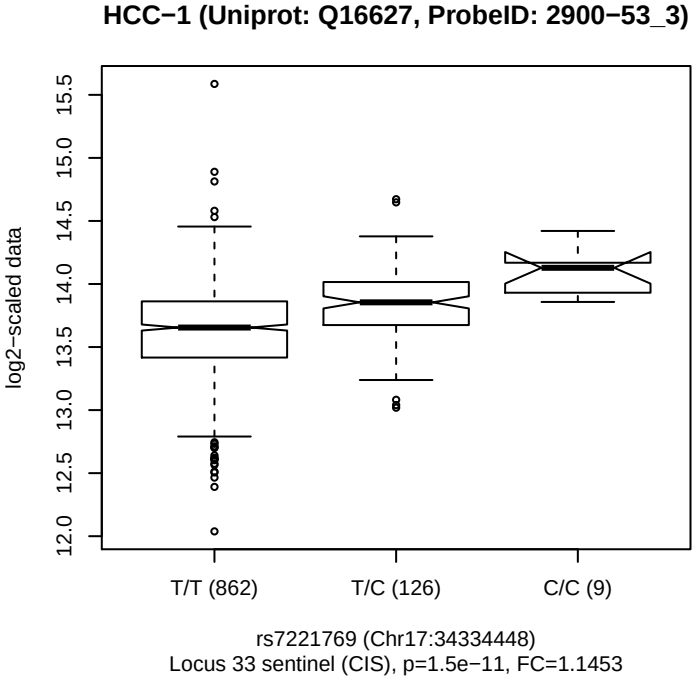

MIP−5 (Uniprot: Q16663, ProbeID: 3509−1_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 15

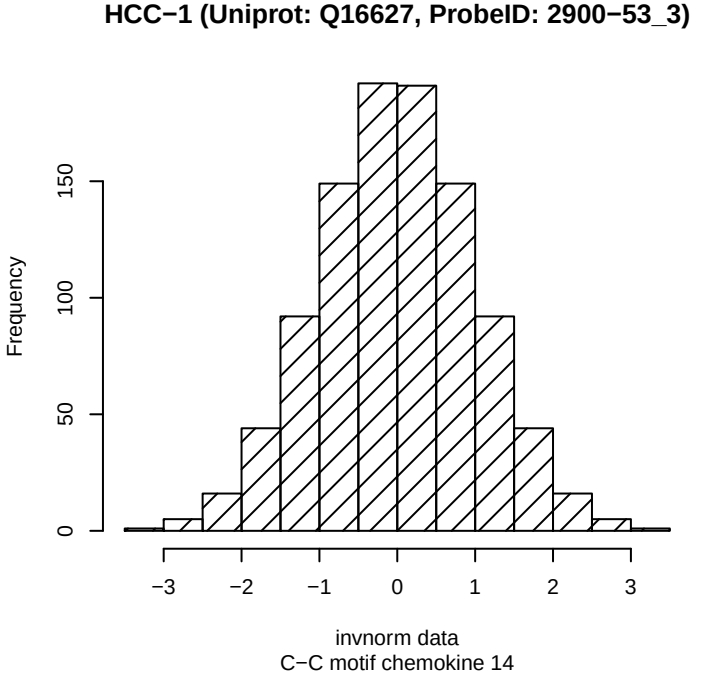

MIP−5 (Uniprot: Q16663, ProbeID: 3509−1_1)
invnorm data
−3
−2
−1
0
1
2
3
T/T (862)
T/C (126)
C/C (9)
rs7221769 (Chr17:34334448)
Locus 33 top sentinel (CIS), p=3.6e−93

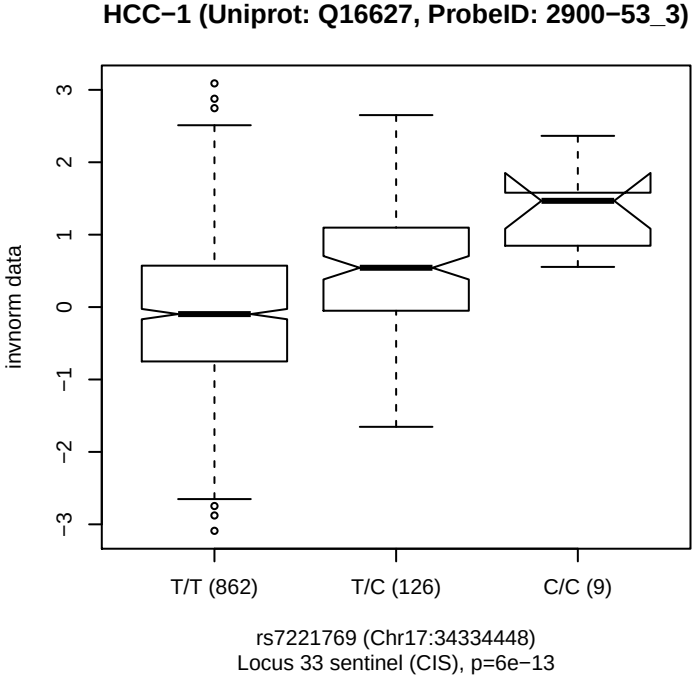

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
Frequency
0
100
200
300
400
500
600
0
10000
20000
30000
40000
50000
raw data
C−C motif chemokine 14

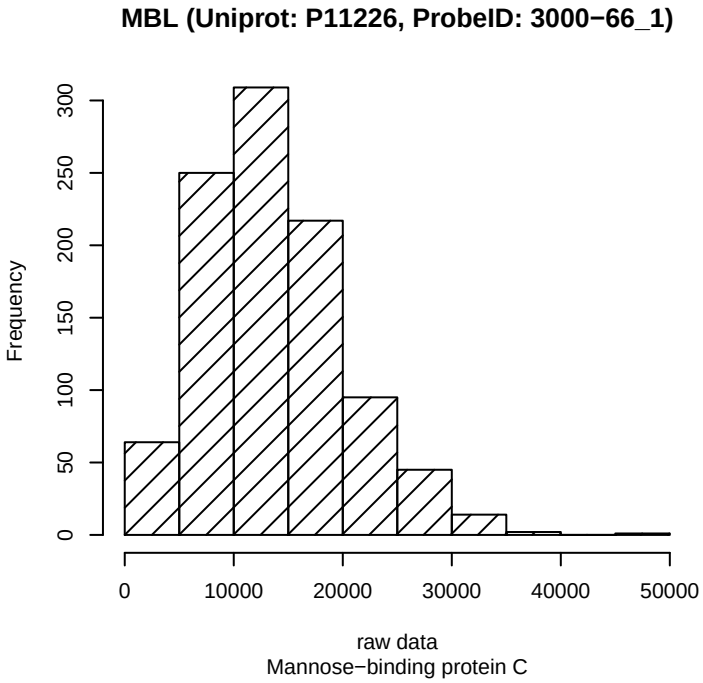

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
raw data
10000
20000
30000
40000
50000
T/T (862)
T/C (126)
C/C (9)
rs7221769 (Chr17:34334448)
Locus 33 sentinel (CIS), p=2.1e−11

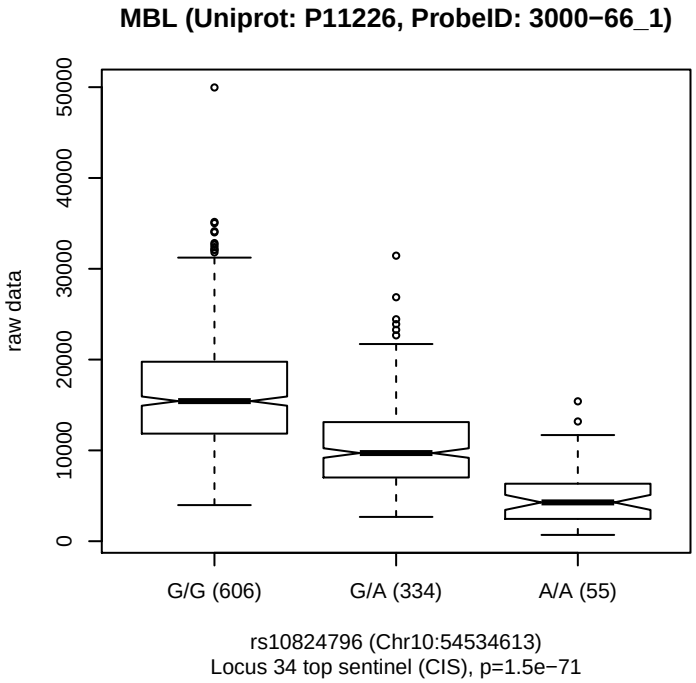

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
Frequency
0
100
200
300
400
500
12
13
14
15
16
log2−scaled data
C−C motif chemokine 14

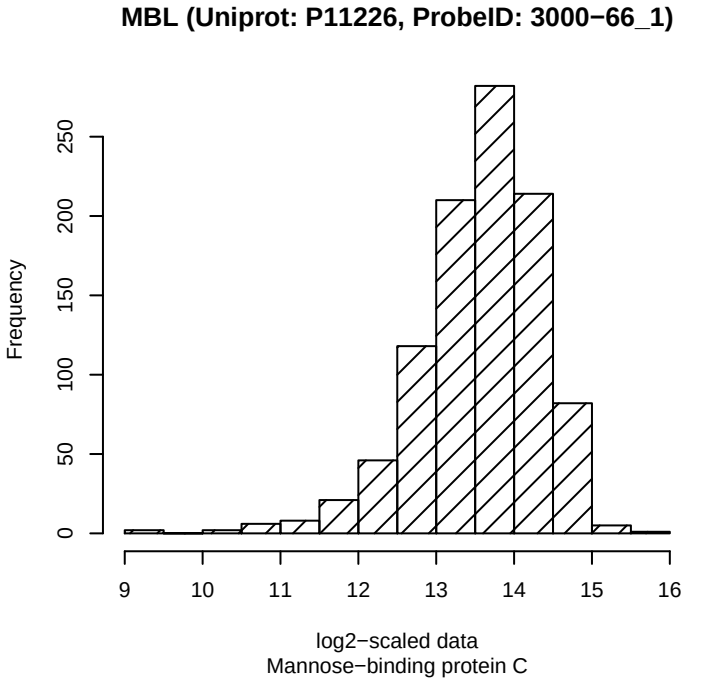

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
log2−scaled data
12.0
12.5
13.0
13.5
14.0
14.5
15.0
15.5
T/T (862)
T/C (126)
C/C (9)
rs7221769 (Chr17:34334448)
Locus 33 sentinel (CIS), p=1.5e−11, FC=1.1453

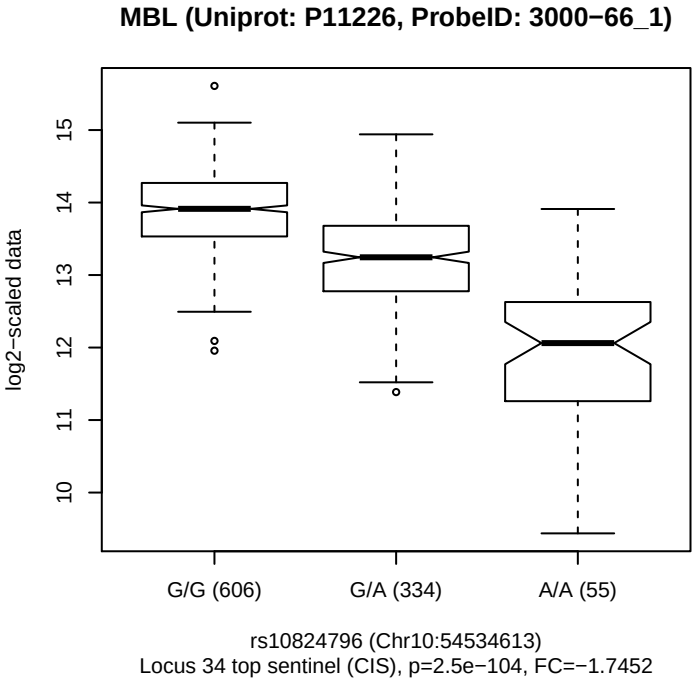

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 14

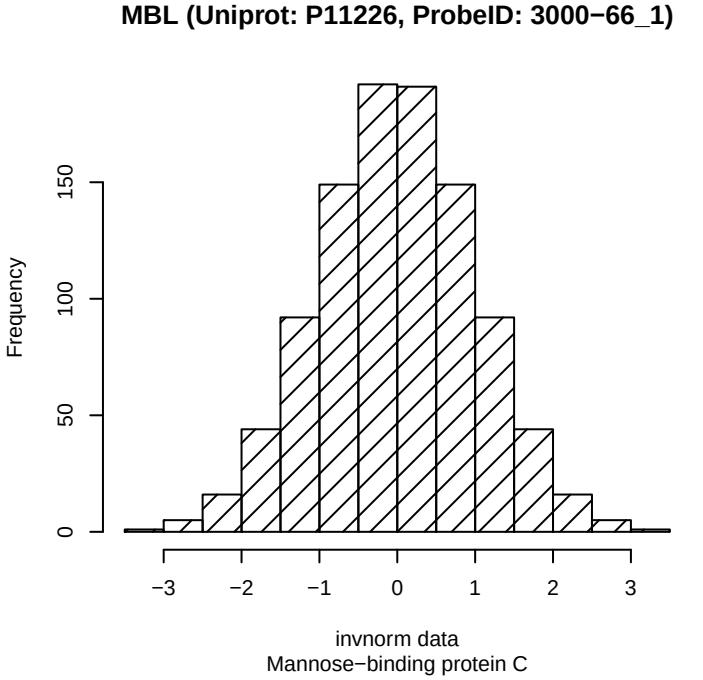

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
invnorm data
−3
−2
−1
0
1
2
3
T/T (862)
T/C (126)
C/C (9)
rs7221769 (Chr17:34334448)
Locus 33 sentinel (CIS), p=6e−13

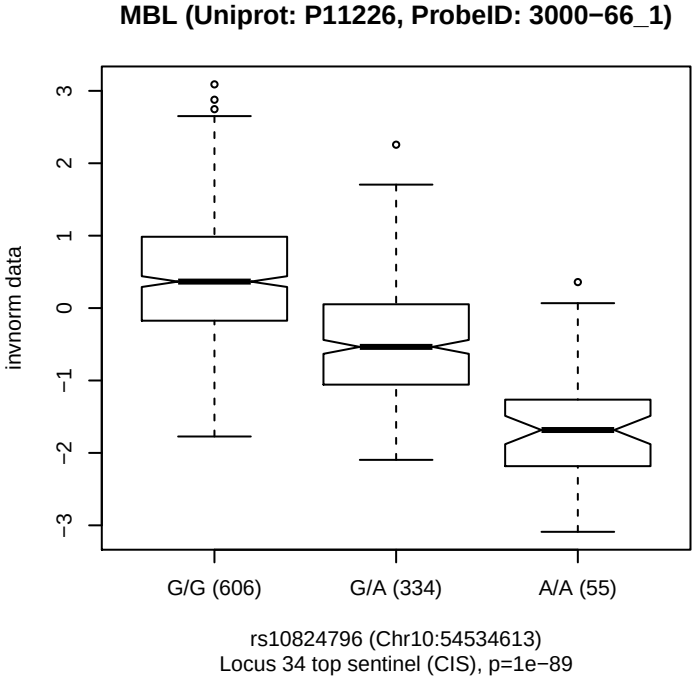

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
Frequency
0
50
100
150
200
250
300
0
10000
20000
30000
40000
50000
raw data
Mannose−binding protein C

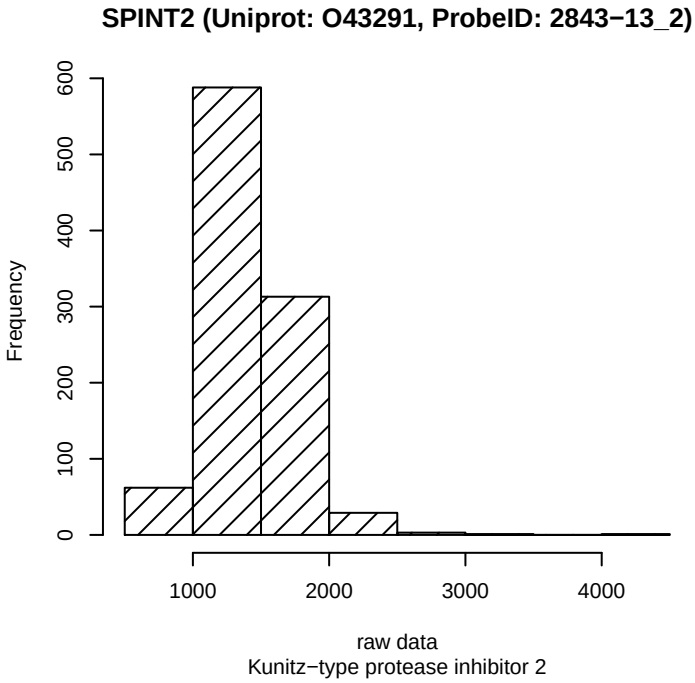

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
raw data
0
10000
20000
30000
40000
50000
G/G (606)
G/A (334)
A/A (55)
rs10824796 (Chr10:54534613)
Locus 34 top sentinel (CIS), p=1.5e−71

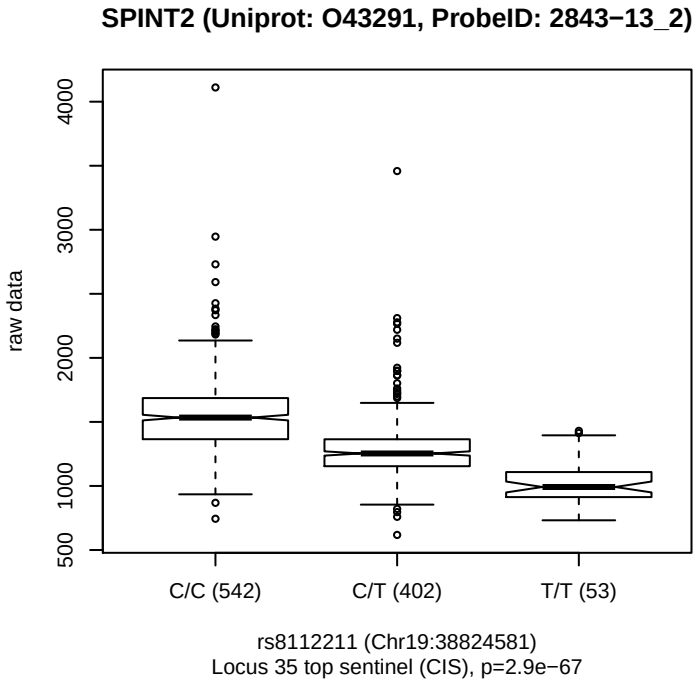

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
Frequency
0
50
100
150
200
250
9
10
11
12
13
14
15
16
log2−scaled data
Mannose−binding protein C

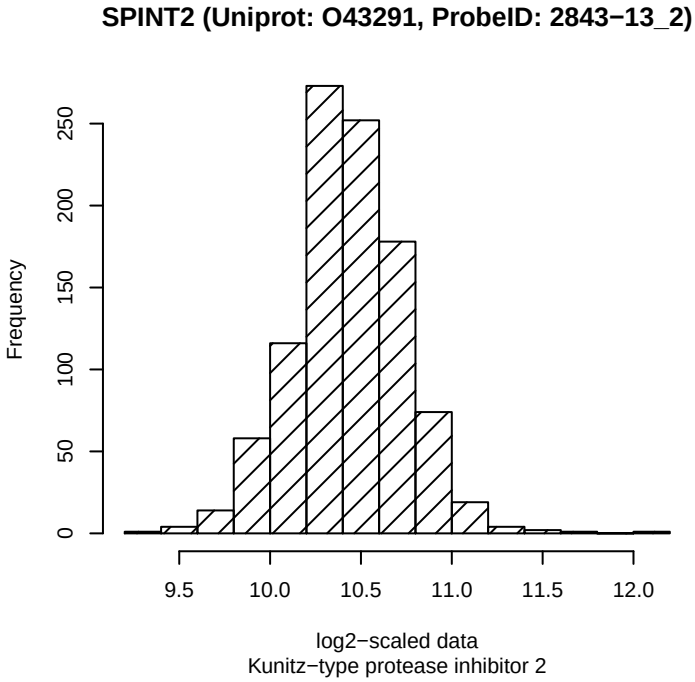

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
log2−scaled data
10
11
12
13
14
15
G/G (606)
G/A (334)
A/A (55)
rs10824796 (Chr10:54534613)
Locus 34 top sentinel (CIS), p=2.5e−104, FC=−1.7452

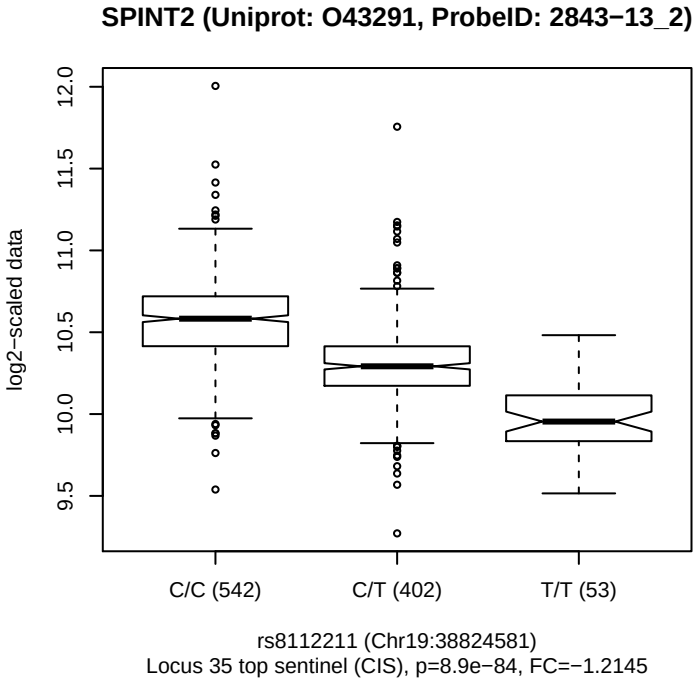

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Mannose−binding protein C

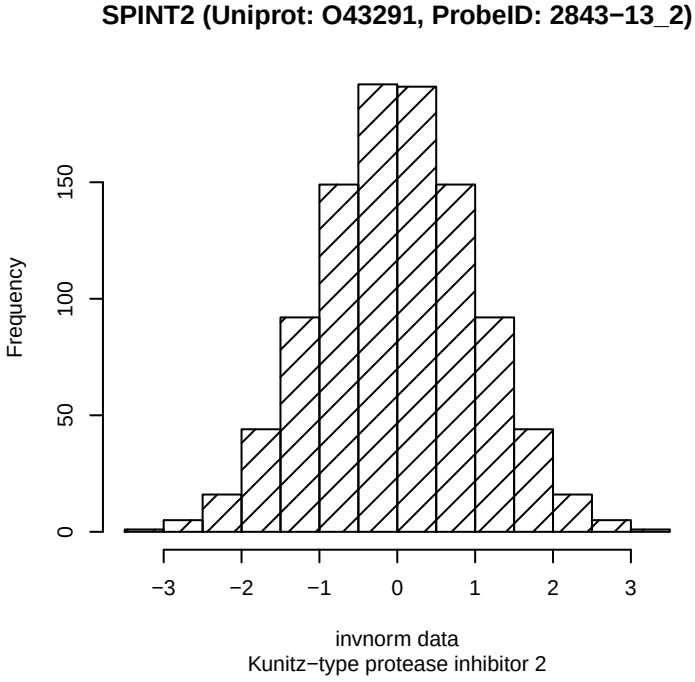

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
invnorm data
−3
−2
−1
0
1
2
3
G/G (606)
G/A (334)
A/A (55)
rs10824796 (Chr10:54534613)
Locus 34 top sentinel (CIS), p=1e−89

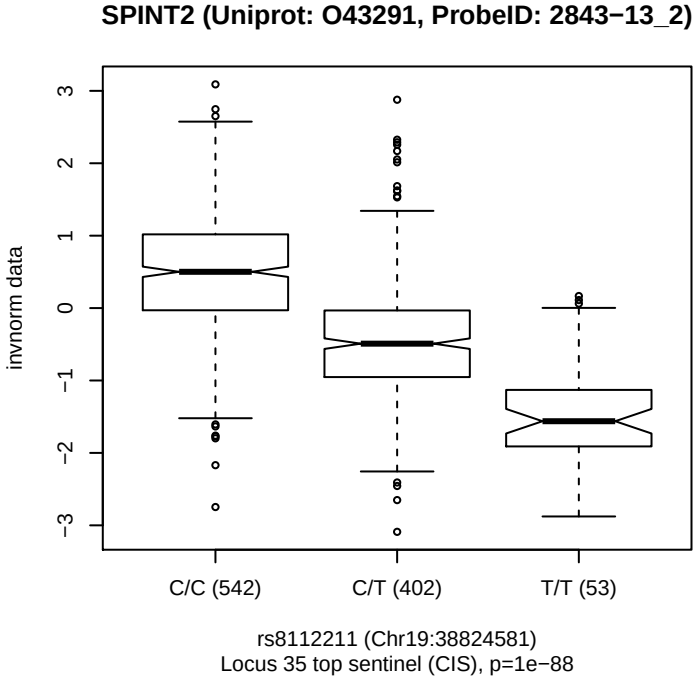

SPINT2 (Uniprot: O43291, ProbeID: 2843−13_2)
Frequency
0
100
200
300
400
500
600
1000
2000
3000
4000
raw data
Kunitz−type protease inhibitor 2

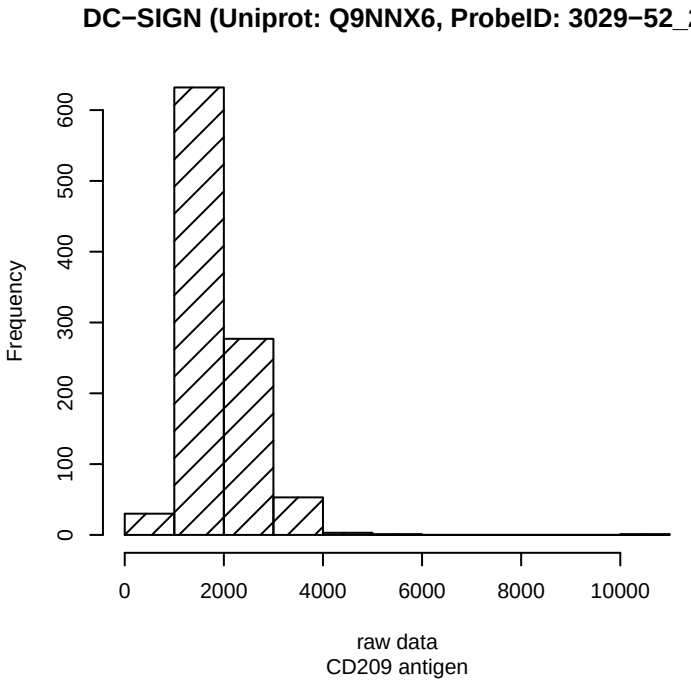

SPINT2 (Uniprot: O43291, ProbeID: 2843−13_2)
raw data
500
1000
2000
3000
4000
C/C (542)
C/T (402)
T/T (53)
rs8112211 (Chr19:38824581)
Locus 35 top sentinel (CIS), p=2.9e−67

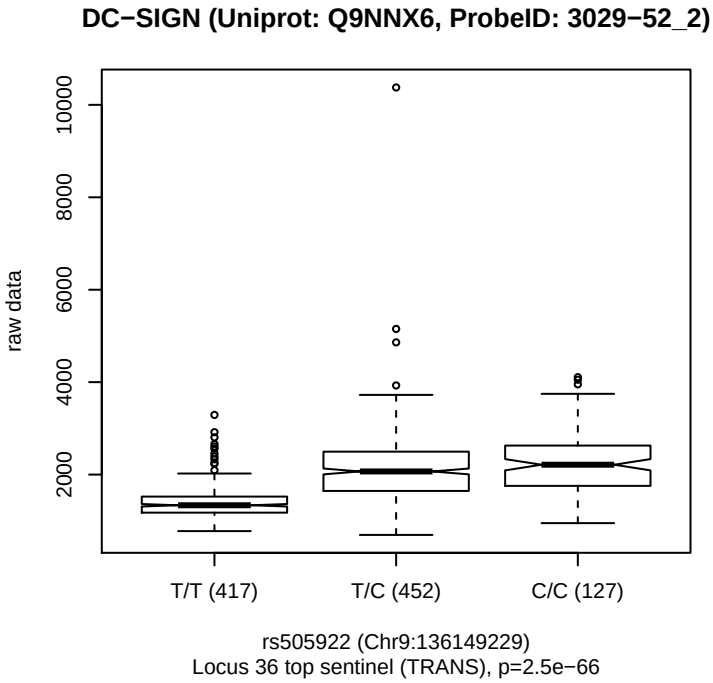

SPINT2 (Uniprot: O43291, ProbeID: 2843−13_2)
Frequency
0
50
100
150
200
250
9.5
10.0
10.5
11.0
11.5
12.0
log2−scaled data
Kunitz−type protease inhibitor 2

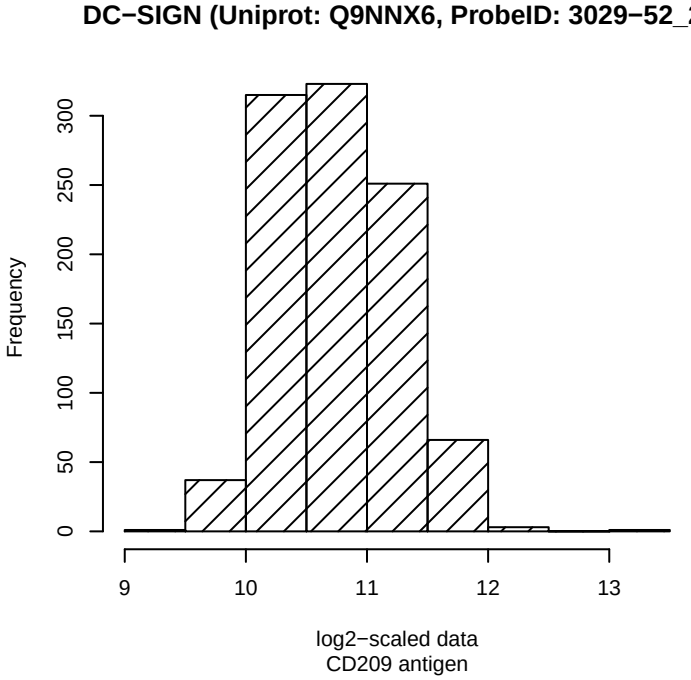

SPINT2 (Uniprot: O43291, ProbeID: 2843−13_2)
log2−scaled data
9.5
10.0
10.5
11.0
11.5
12.0
C/C (542)
C/T (402)
T/T (53)
rs8112211 (Chr19:38824581)
Locus 35 top sentinel (CIS), p=8.9e−84, FC=−1.2145

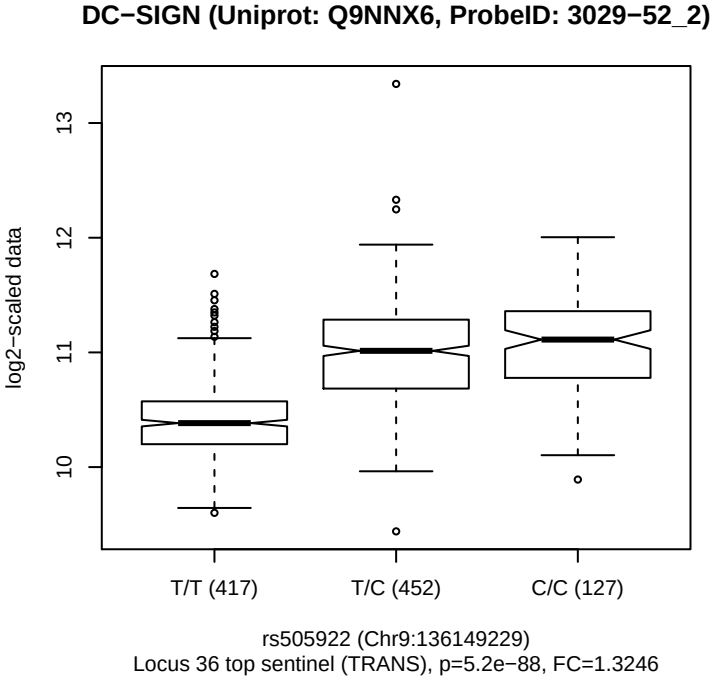

SPINT2 (Uniprot: O43291, ProbeID: 2843−13_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Kunitz−type protease inhibitor 2

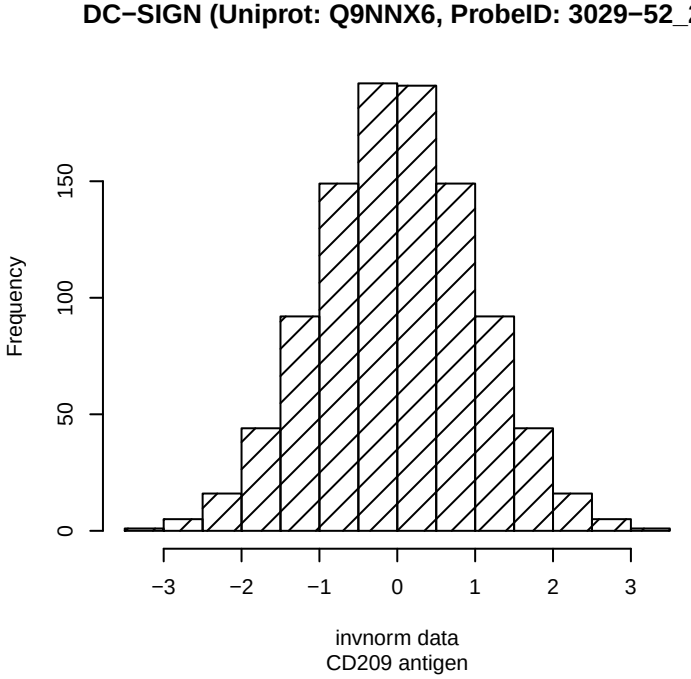

SPINT2 (Uniprot: O43291, ProbeID: 2843−13_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (542)
C/T (402)
T/T (53)
rs8112211 (Chr19:38824581)
Locus 35 top sentinel (CIS), p=1e−88

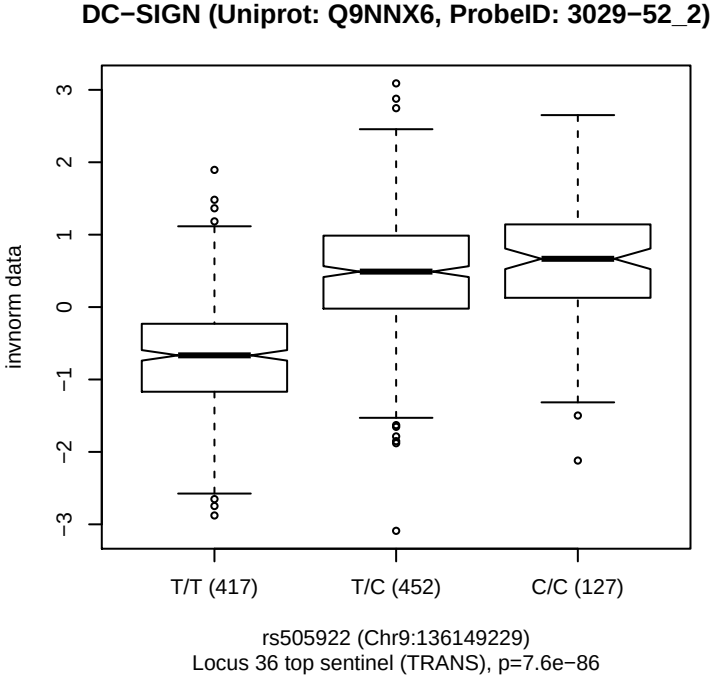

DC−SIGN (Uniprot: Q9NNX6, ProbeID: 3029−52_2)
Frequency
0
100
200
300
400
500
600
0
2000
4000
6000
8000
10000
raw data
CD209 antigen

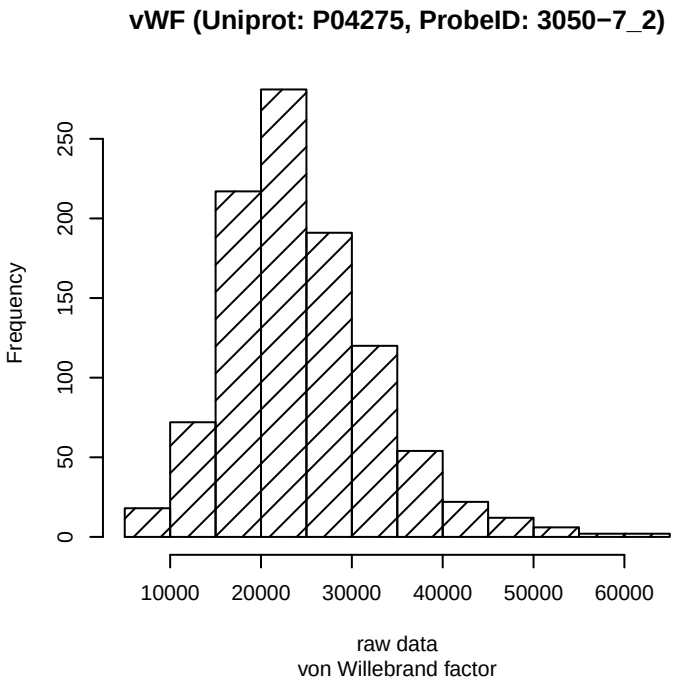

DC−SIGN (Uniprot: Q9NNX6, ProbeID: 3029−52_2)
raw data
2000
4000
6000
8000
10000
T/T (417)
T/C (452)
C/C (127)
rs505922 (Chr9:136149229)
Locus 36 top sentinel (TRANS), p=2.5e−66

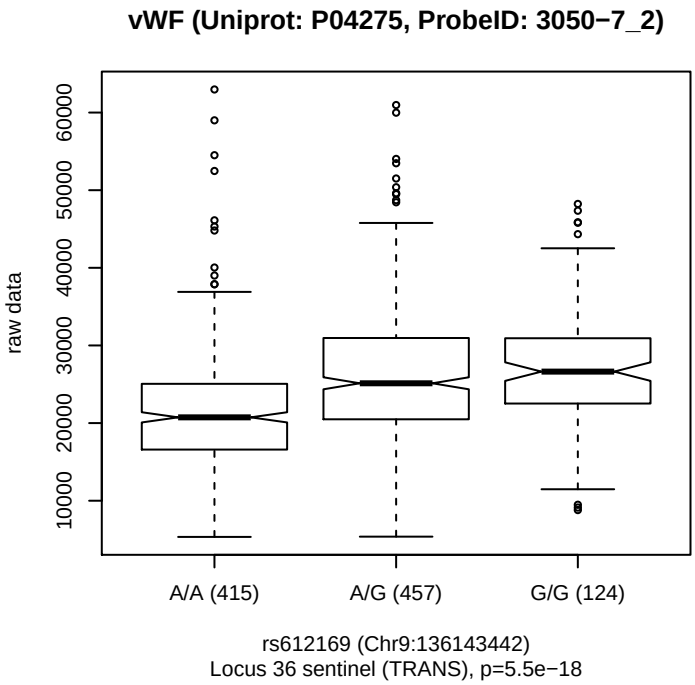

DC−SIGN (Uniprot: Q9NNX6, ProbeID: 3029−52_2)
Frequency
0
50
100
150
200
250
300
9
10
11
12
13
log2−scaled data
CD209 antigen

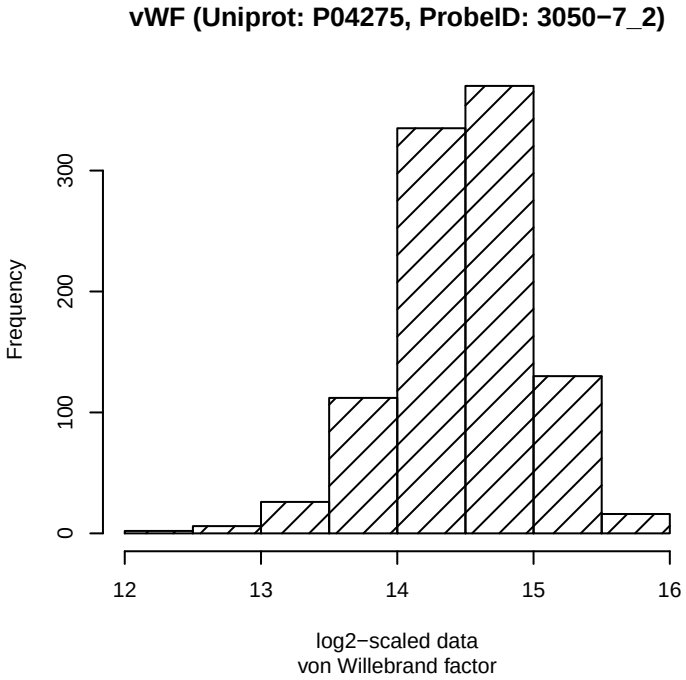

DC−SIGN (Uniprot: Q9NNX6, ProbeID: 3029−52_2)
log2−scaled data
10
11
12
13
T/T (417)
T/C (452)
C/C (127)
rs505922 (Chr9:136149229)
Locus 36 top sentinel (TRANS), p=5.2e−88, FC=1.3246

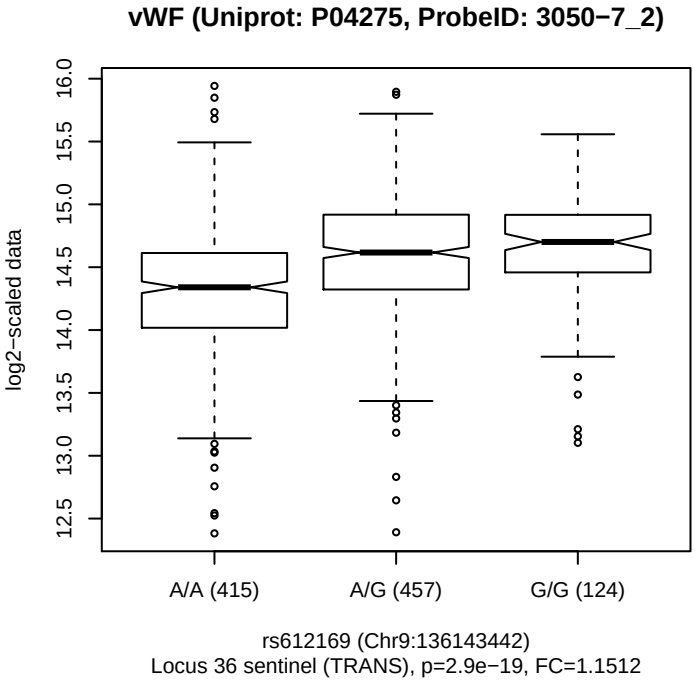

DC−SIGN (Uniprot: Q9NNX6, ProbeID: 3029−52_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
CD209 antigen

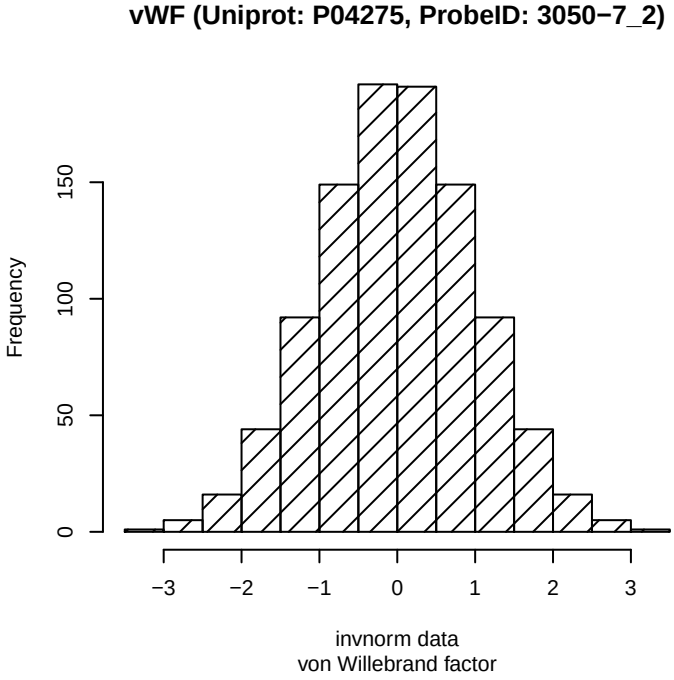

DC−SIGN (Uniprot: Q9NNX6, ProbeID: 3029−52_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (417)
T/C (452)
C/C (127)
rs505922 (Chr9:136149229)
Locus 36 top sentinel (TRANS), p=7.6e−86

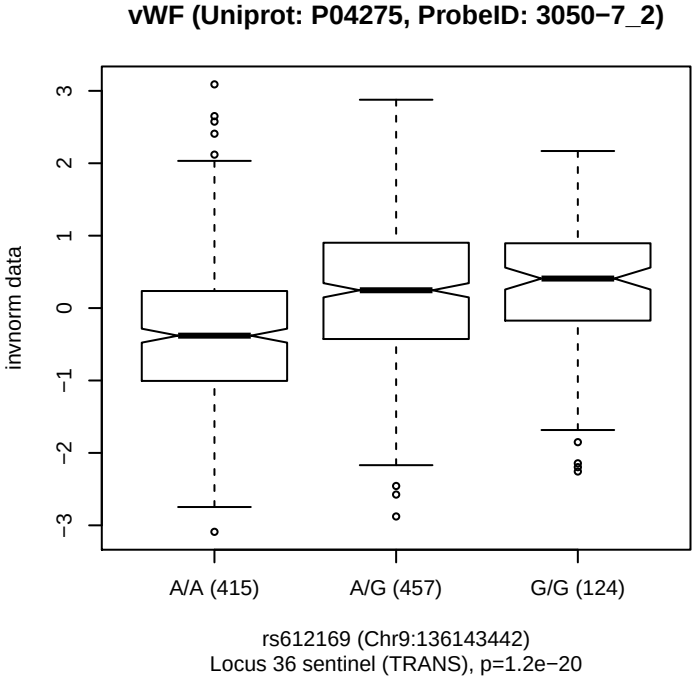

vWF (Uniprot: P04275, ProbeID: 3050−7_2)
Frequency
0
50
100
150
200
250
10000
20000
30000
40000
50000
60000
raw data
von Willebrand factor

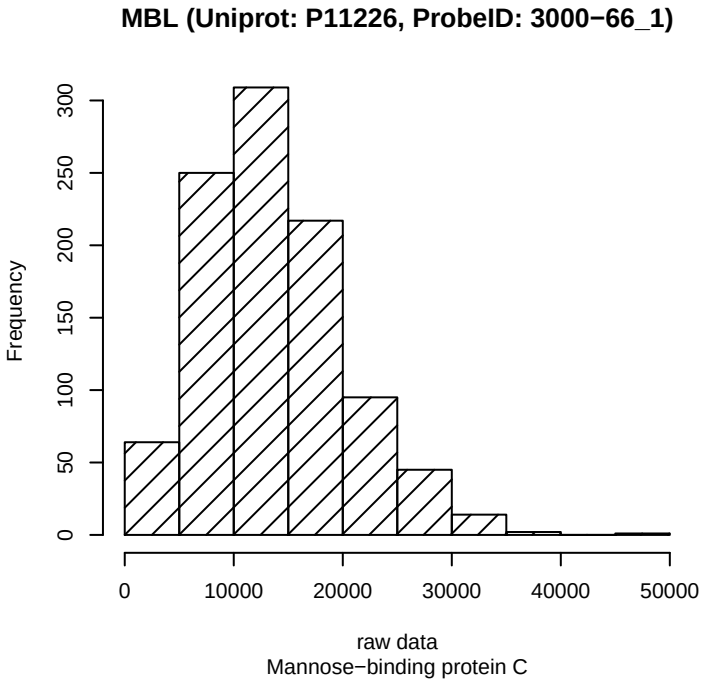

vWF (Uniprot: P04275, ProbeID: 3050−7_2)
raw data
10000
20000
30000
40000
50000
60000
A/A (415)
A/G (457)
G/G (124)
rs612169 (Chr9:136143442)
Locus 36 sentinel (TRANS), p=5.5e−18

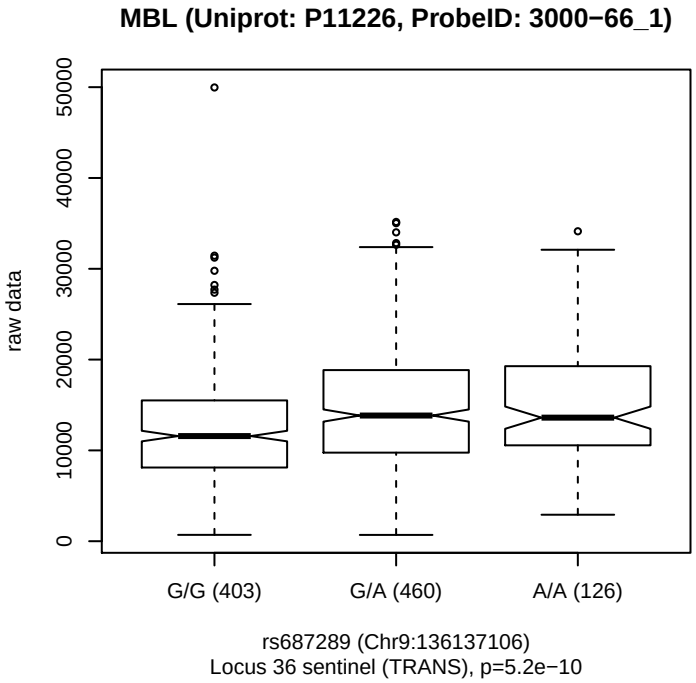

vWF (Uniprot: P04275, ProbeID: 3050−7_2)
Frequency
0
100
200
300
12
13
14
15
16
log2−scaled data
von Willebrand factor

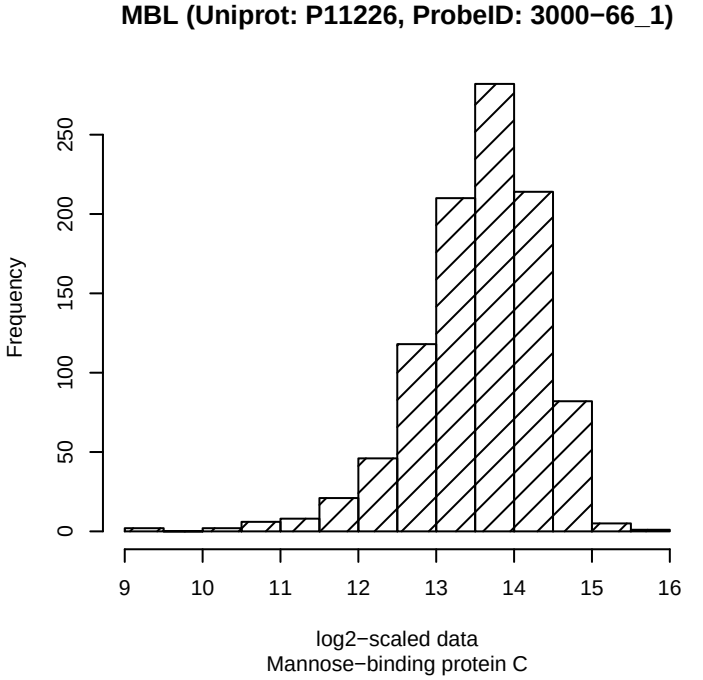

vWF (Uniprot: P04275, ProbeID: 3050−7_2)
log2−scaled data
12.5
13.0
13.5
14.0
14.5
15.0
15.5
16.0
A/A (415)
A/G (457)
G/G (124)
rs612169 (Chr9:136143442)
Locus 36 sentinel (TRANS), p=2.9e−19, FC=1.1512

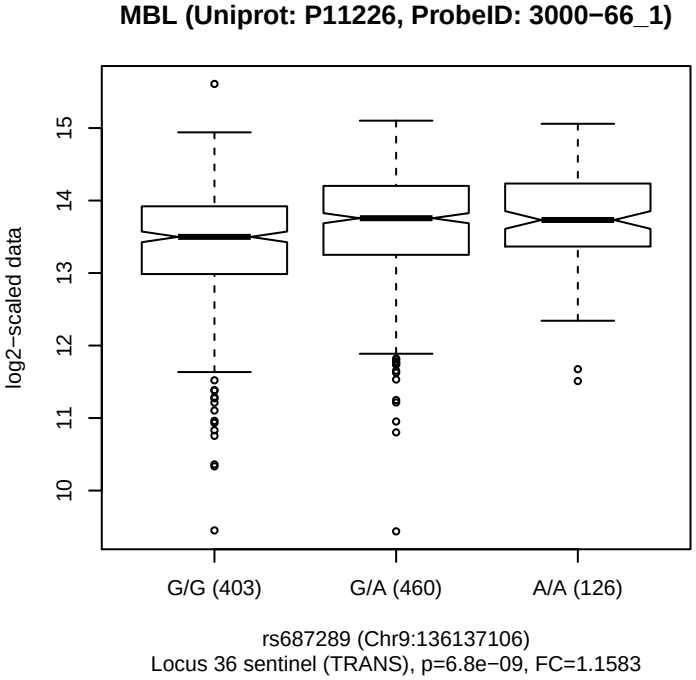

vWF (Uniprot: P04275, ProbeID: 3050−7_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
von Willebrand factor

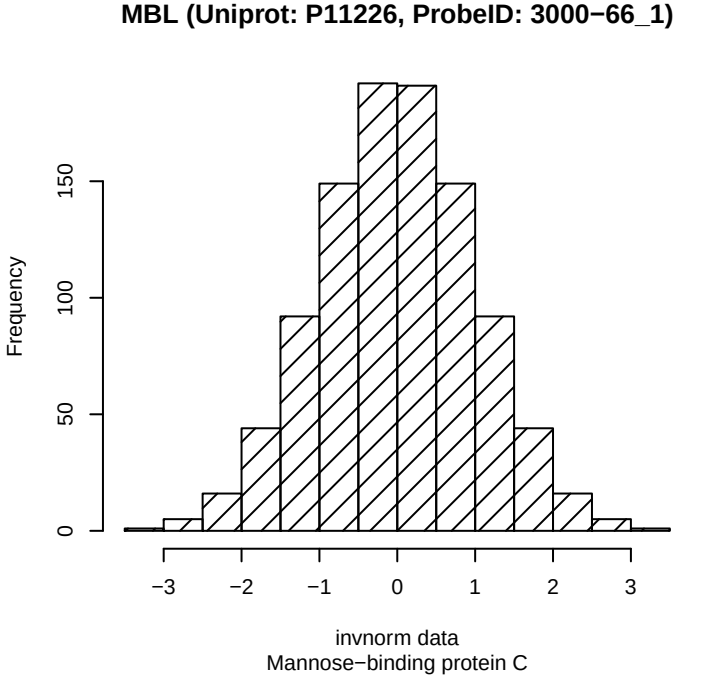

vWF (Uniprot: P04275, ProbeID: 3050−7_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (415)
A/G (457)
G/G (124)
rs612169 (Chr9:136143442)
Locus 36 sentinel (TRANS), p=1.2e−20

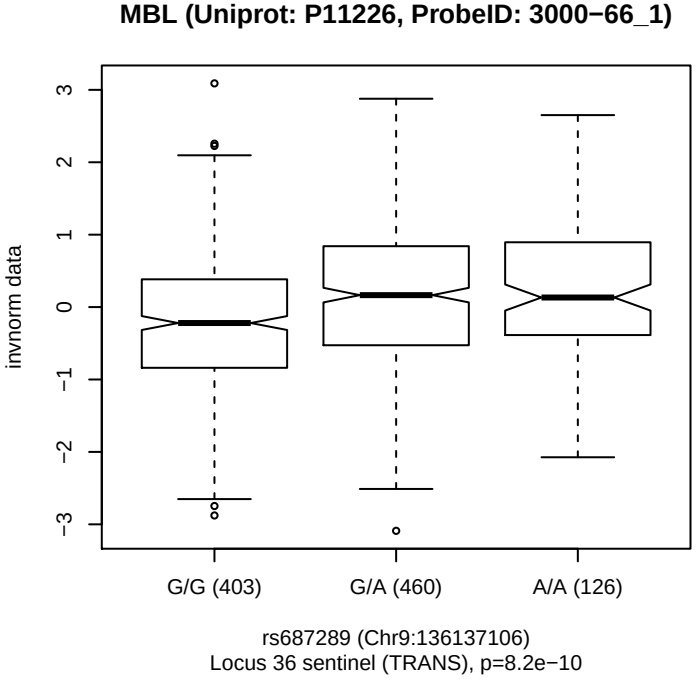

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
Frequency
0
50
100
150
200
250
300
0
10000
20000
30000
40000
50000
raw data
Mannose−binding protein C

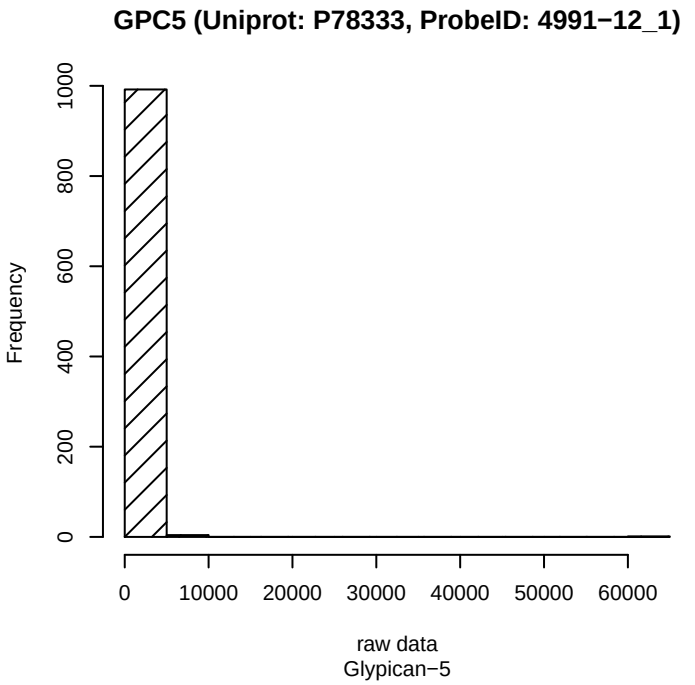

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
raw data
0
10000
20000
30000
40000
50000
G/G (403)
G/A (460)
A/A (126)
rs687289 (Chr9:136137106)
Locus 36 sentinel (TRANS), p=5.2e−10

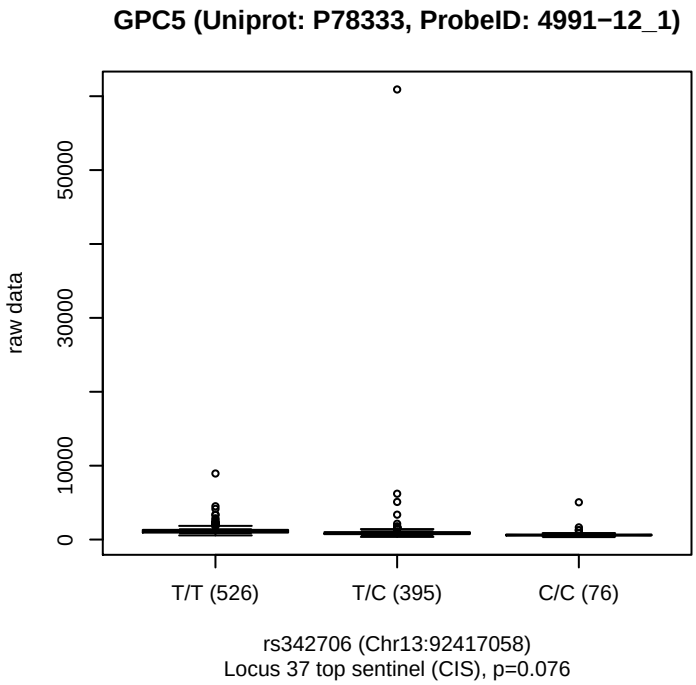

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
Frequency
0
50
100
150
200
250
9
10
11
12
13
14
15
16
log2−scaled data
Mannose−binding protein C

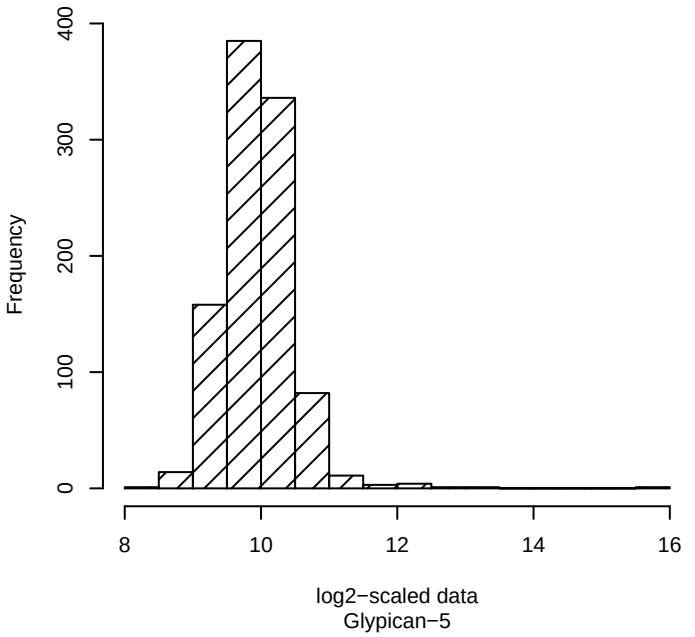

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
log2−scaled data
10
11
12
13
14
15
G/G (403)
G/A (460)
A/A (126)
rs687289 (Chr9:136137106)
Locus 36 sentinel (TRANS), p=6.8e−09, FC=1.1583

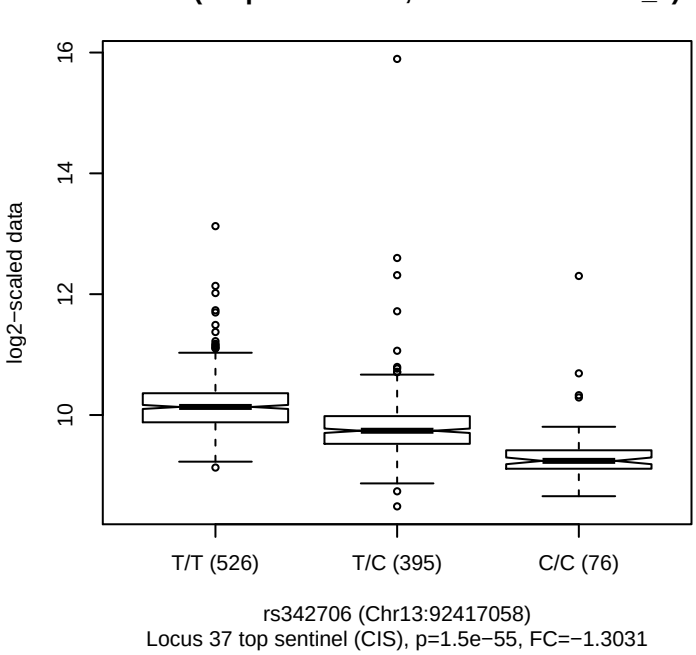

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Mannose−binding protein C

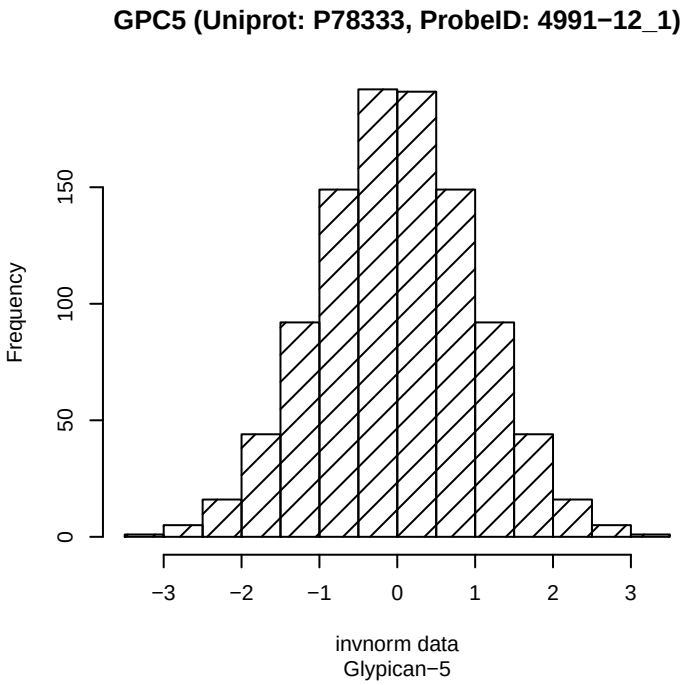

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
invnorm data
−3
−2
−1
0
1
2
3
G/G (403)
G/A (460)
A/A (126)
rs687289 (Chr9:136137106)
Locus 36 sentinel (TRANS), p=8.2e−10

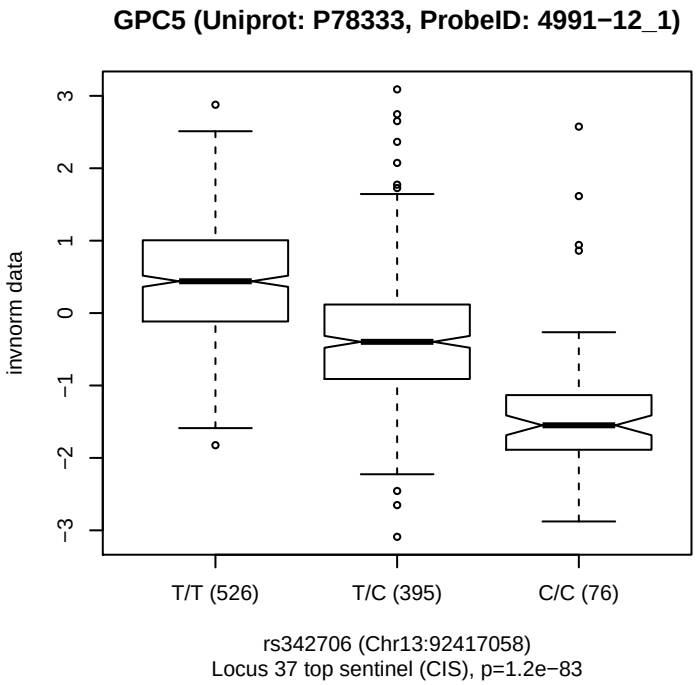

GPC5 (Uniprot: P78333, ProbeID: 4991−12_1)
Frequency
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000
raw data
Glypican−5

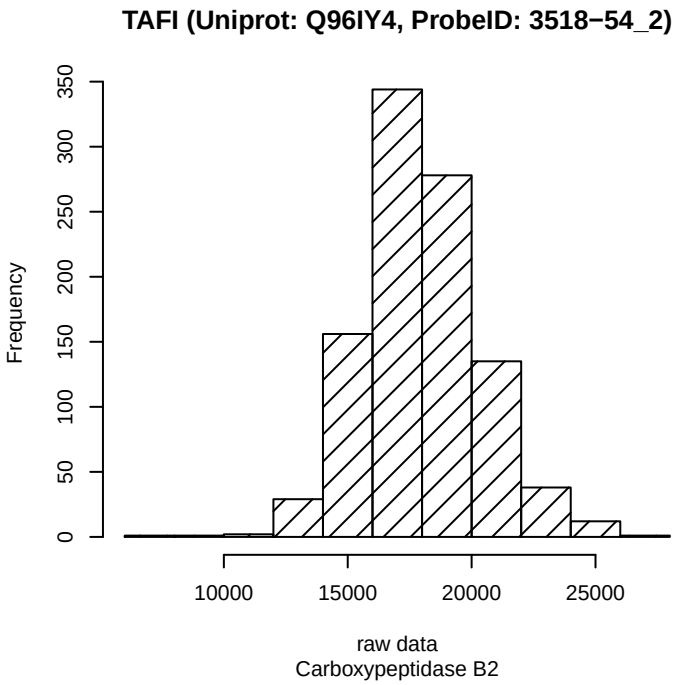

GPC5 (Uniprot: P78333, ProbeID: 4991−12_1)
raw data
0
10000
30000
50000
T/T (526)
T/C (395)
C/C (76)
rs342706 (Chr13:92417058)
Locus 37 top sentinel (CIS), p=0.076

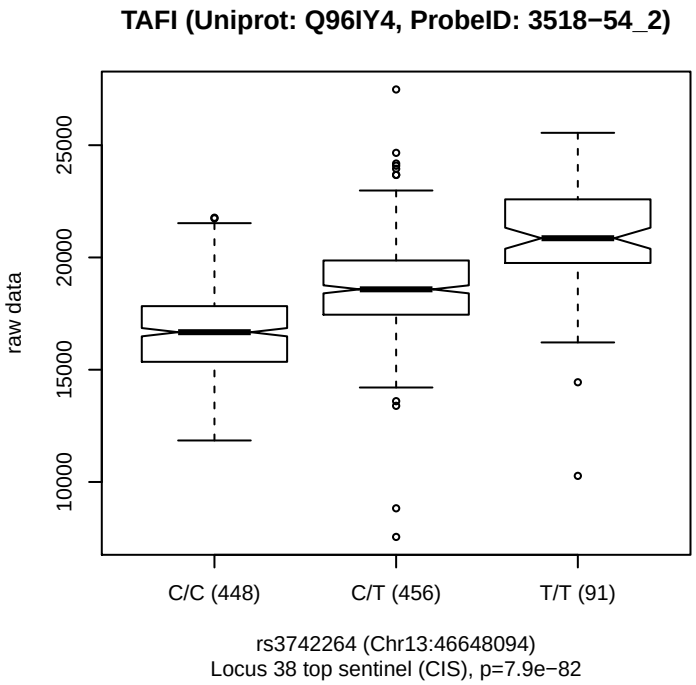

GPC5 (Uniprot: P78333, ProbeID: 4991−12_1)
Frequency
0
100
200
300
400
8
10
12
14
16
log2−scaled data
Glypican−5

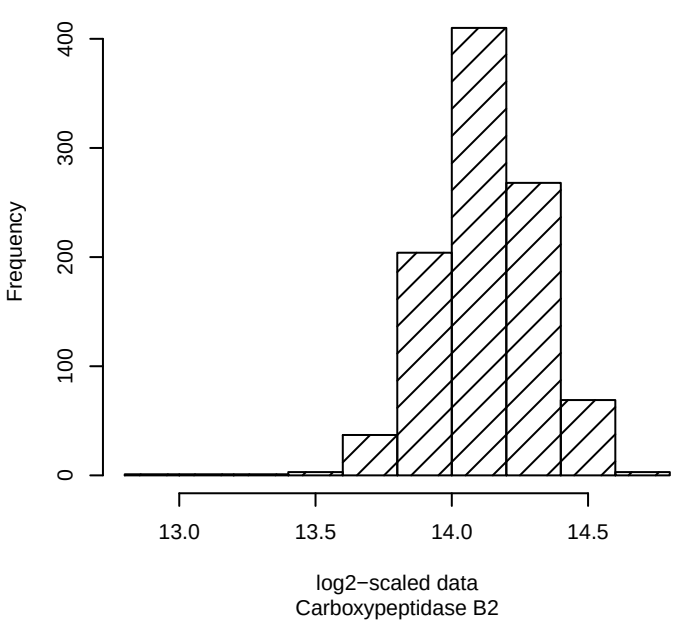

GPC5 (Uniprot: P78333, ProbeID: 4991−12_1)
log2−scaled data
10
12
14
16
T/T (526)
T/C (395)
C/C (76)
rs342706 (Chr13:92417058)
Locus 37 top sentinel (CIS), p=1.5e−55, FC=−1.3031

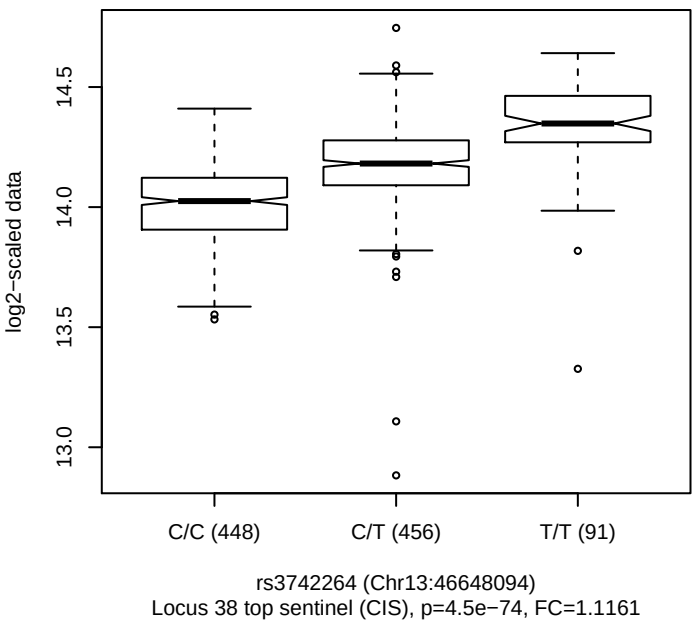

GPC5 (Uniprot: P78333, ProbeID: 4991−12_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Glypican−5

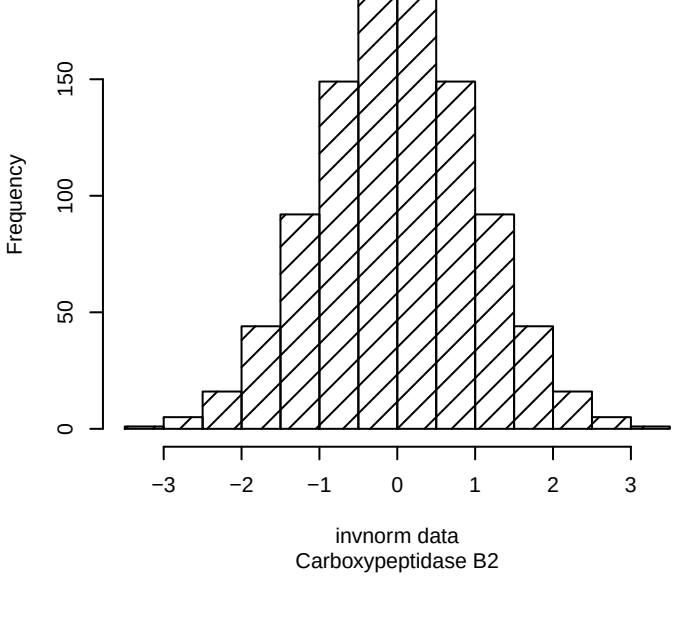

GPC5 (Uniprot: P78333, ProbeID: 4991−12_1)
invnorm data
−3
−2
−1
0
1
2
3
T/T (526)
T/C (395)
C/C (76)
rs342706 (Chr13:92417058)
Locus 37 top sentinel (CIS), p=1.2e−83

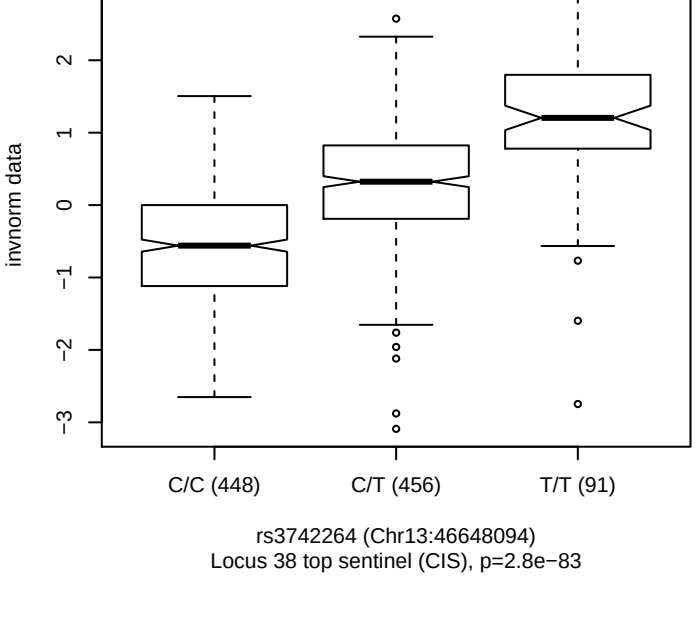

TAFI (Uniprot: Q96IY4, ProbeID: 3518−54_2)
Frequency
0
50
100
150
200
250
300
350
10000
15000
20000
25000
raw data
Carboxypeptidase B2

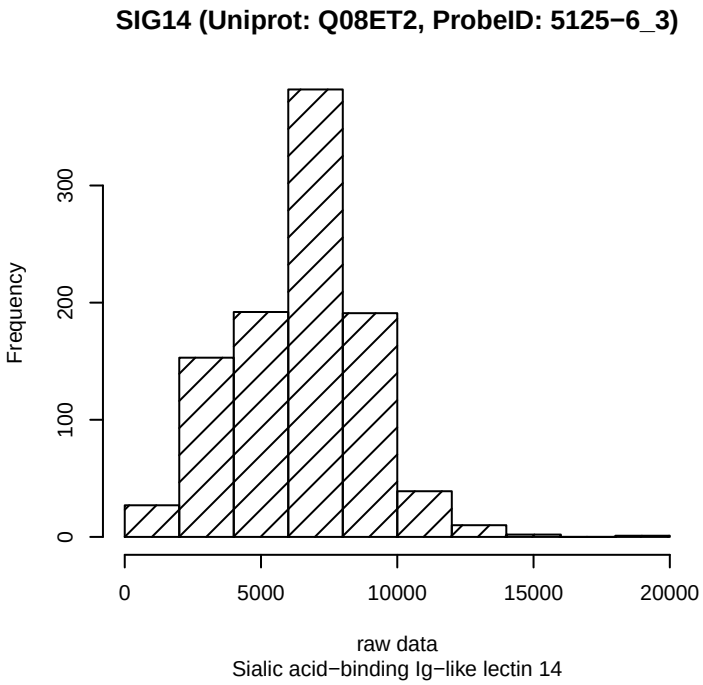

TAFI (Uniprot: Q96IY4, ProbeID: 3518−54_2)
raw data
10000
15000
20000
25000
C/C (448)
C/T (456)
T/T (91)
rs3742264 (Chr13:46648094)
Locus 38 top sentinel (CIS), p=7.9e−82

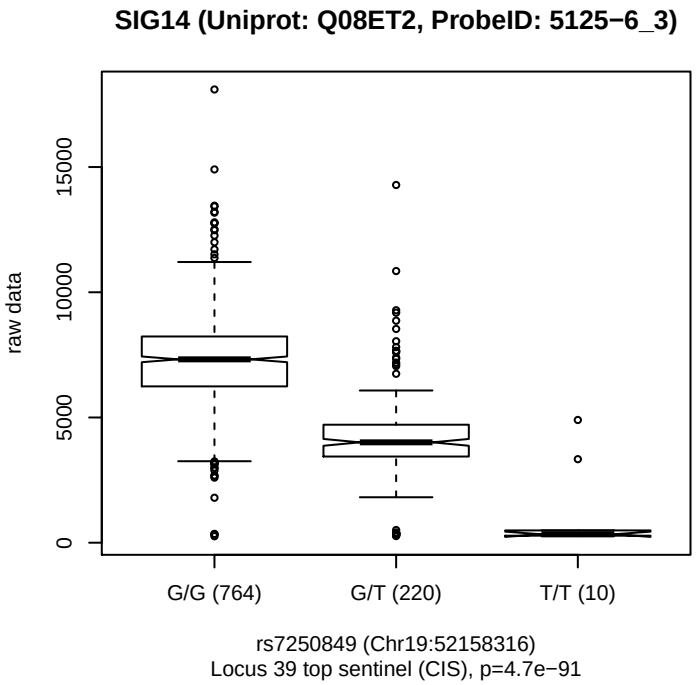

TAFI (Uniprot: Q96IY4, ProbeID: 3518−54_2)
Frequency
0
100
200
300
400
13.0
13.5
14.0
14.5
log2−scaled data
Carboxypeptidase B2

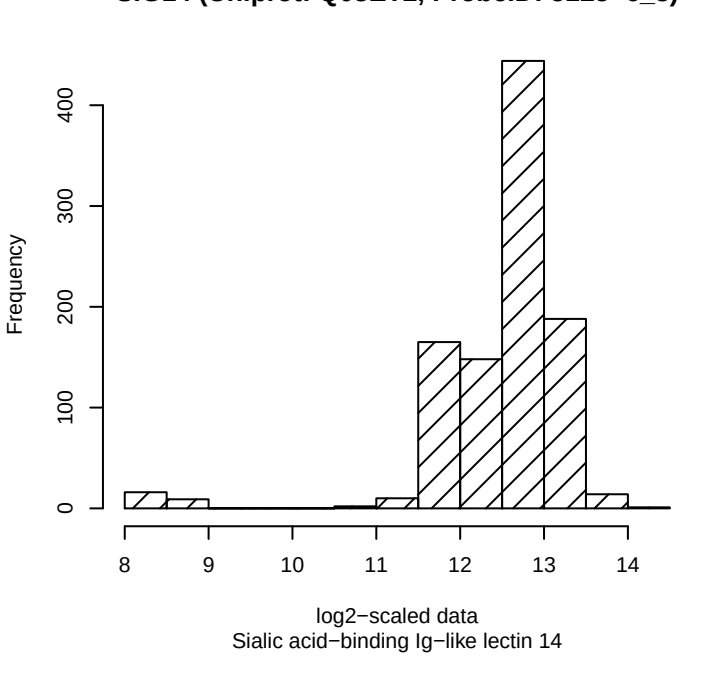

TAFI (Uniprot: Q96IY4, ProbeID: 3518−54_2)
log2−scaled data
13.0
13.5
14.0
14.5
C/C (448)
C/T (456)
T/T (91)
rs3742264 (Chr13:46648094)
Locus 38 top sentinel (CIS), p=4.5e−74, FC=1.1161

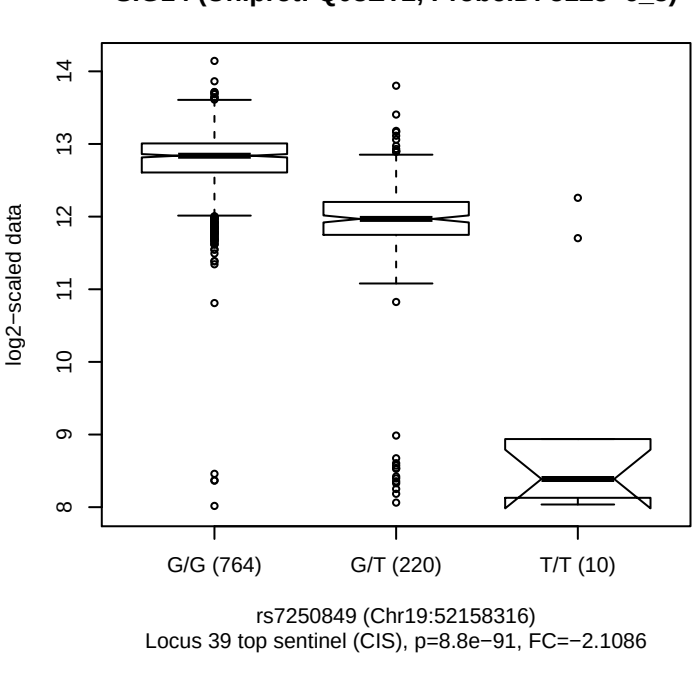

TAFI (Uniprot: Q96IY4, ProbeID: 3518−54_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Carboxypeptidase B2

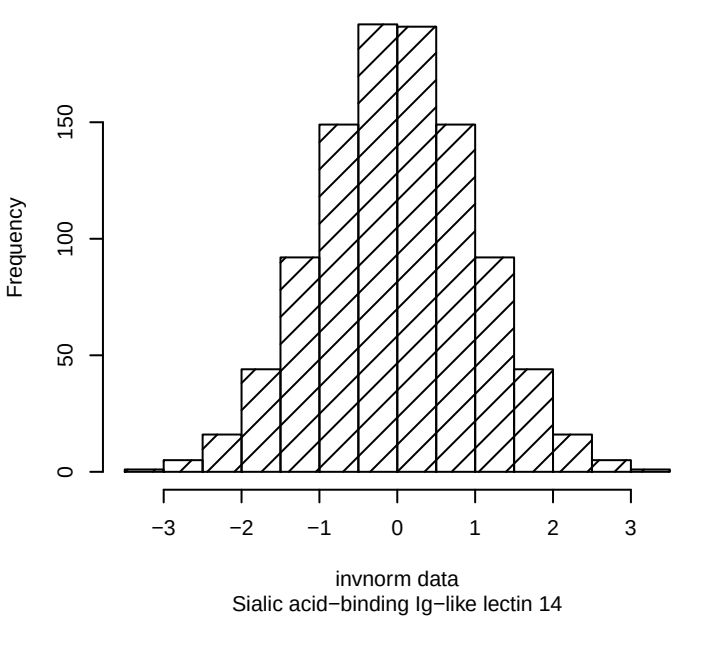

TAFI (Uniprot: Q96IY4, ProbeID: 3518−54_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (448)
C/T (456)
T/T (91)
rs3742264 (Chr13:46648094)
Locus 38 top sentinel (CIS), p=2.8e−83

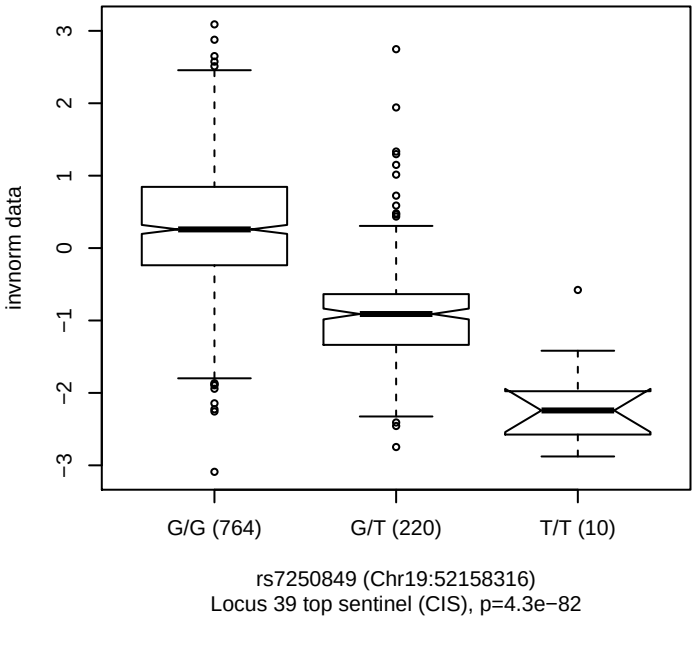

SIG14 (Uniprot: Q08ET2, ProbeID: 5125−6_3)
Frequency
0
100
200
300
0
5000
10000
15000
20000
raw data
Sialic acid−binding Ig−like lectin 14

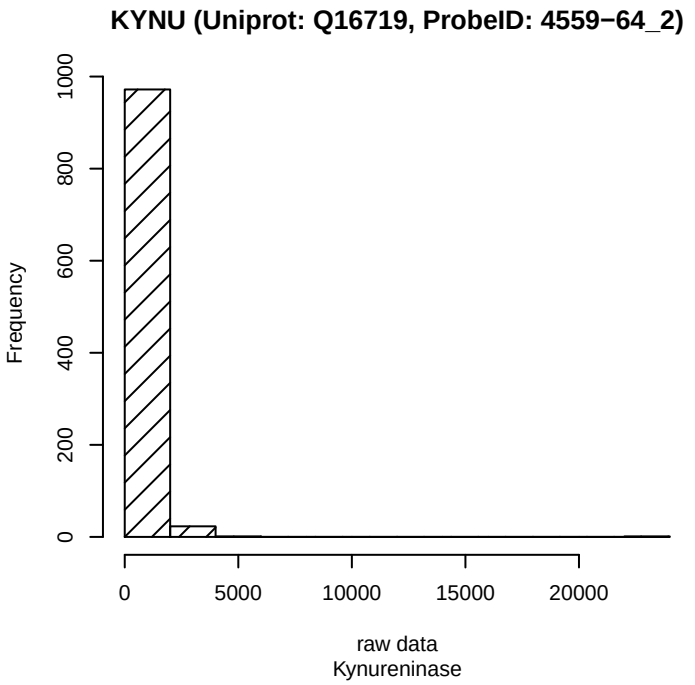

SIG14 (Uniprot: Q08ET2, ProbeID: 5125−6_3)
raw data
0
5000
10000
15000
G/G (764)
G/T (220)
T/T (10)
rs7250849 (Chr19:52158316)
Locus 39 top sentinel (CIS), p=4.7e−91

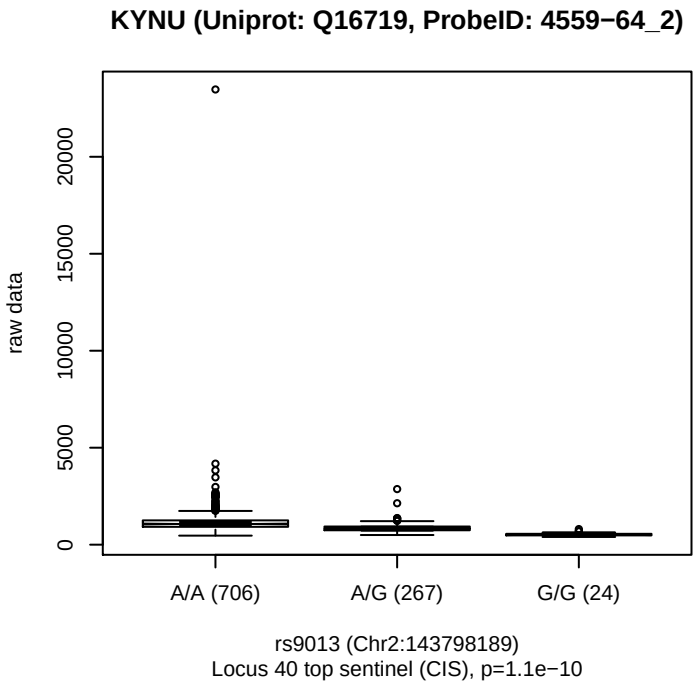

SIG14 (Uniprot: Q08ET2, ProbeID: 5125−6_3)
Frequency
0
100
200
300
400
8
9
10
11
12
13
14
log2−scaled data
Sialic acid−binding Ig−like lectin 14

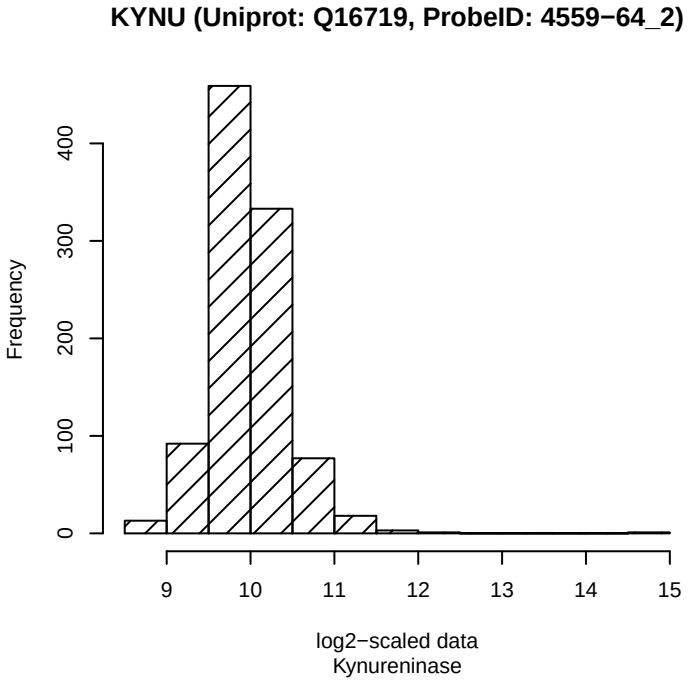

SIG14 (Uniprot: Q08ET2, ProbeID: 5125−6_3)
log2−scaled data
8
9
10
11
12
13
14
G/G (764)
G/T (220)
T/T (10)
rs7250849 (Chr19:52158316)
Locus 39 top sentinel (CIS), p=8.8e−91, FC=−2.1086

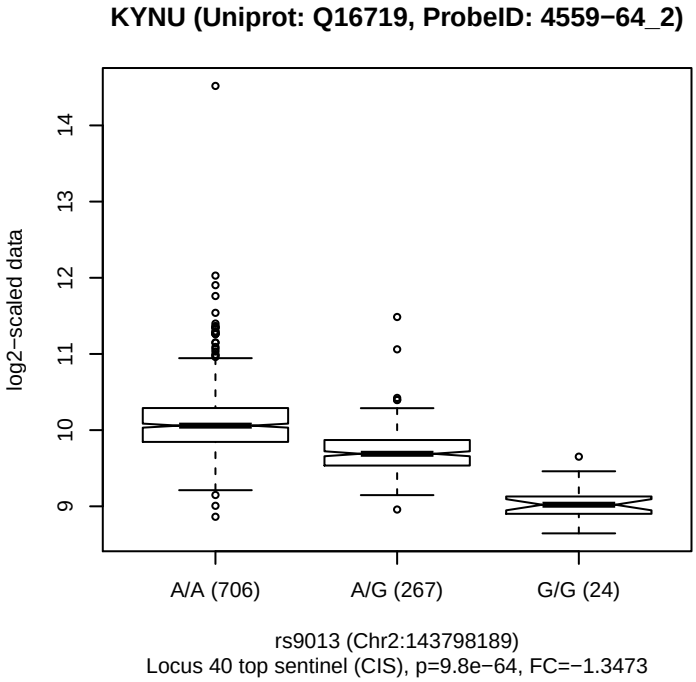

SIG14 (Uniprot: Q08ET2, ProbeID: 5125−6_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Sialic acid−binding Ig−like lectin 14

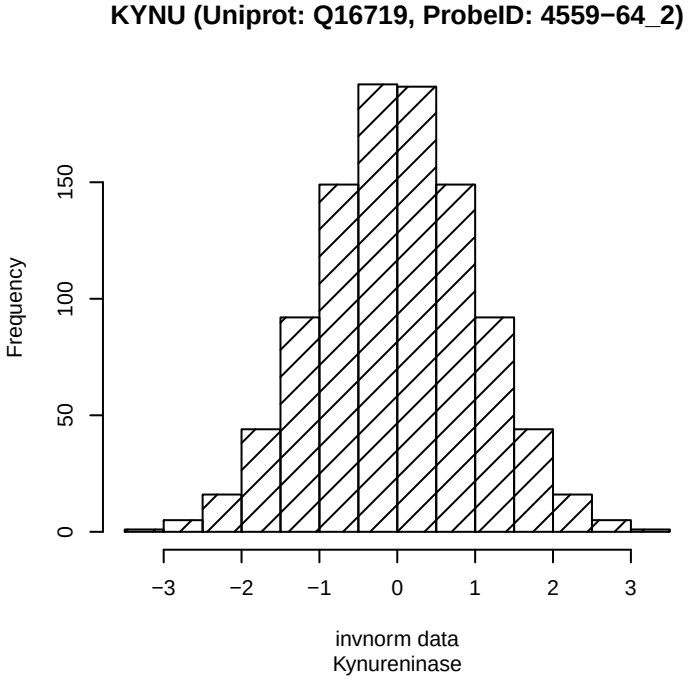

SIG14 (Uniprot: Q08ET2, ProbeID: 5125−6_3)
invnorm data
−3
−2
−1
0
1
2
3
G/G (764)
G/T (220)
T/T (10)
rs7250849 (Chr19:52158316)
Locus 39 top sentinel (CIS), p=4.3e−82

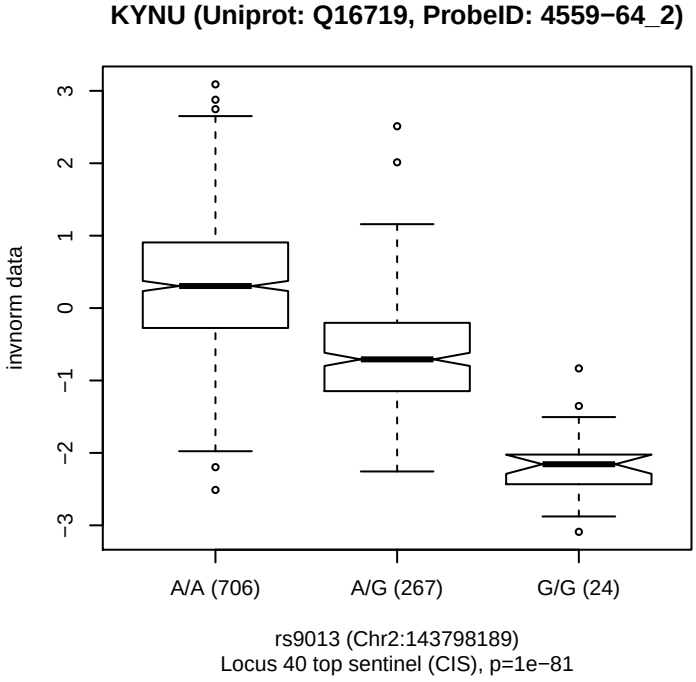

KYNU (Uniprot: Q16719, ProbeID: 4559−64_2)
Frequency
0
200
400
600
800
1000
0
5000
10000
15000
20000
raw data
Kynureninase

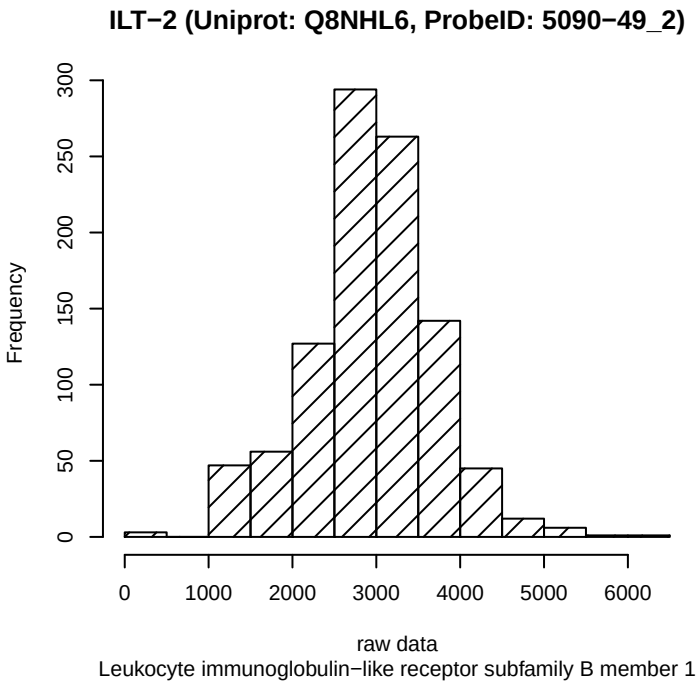

KYNU (Uniprot: Q16719, ProbeID: 4559−64_2)
raw data
0
5000
10000
15000
20000
A/A (706)
A/G (267)
G/G (24)
rs9013 (Chr2:143798189)
Locus 40 top sentinel (CIS), p=1.1e−10

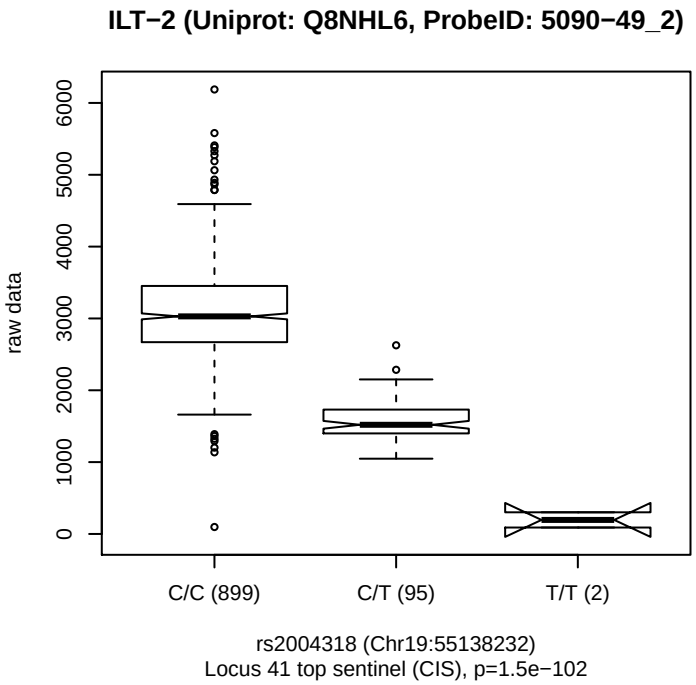

KYNU (Uniprot: Q16719, ProbeID: 4559−64_2)
Frequency
0
100
200
300
400
9
10
11
12
13
14
15
log2−scaled data
Kynureninase

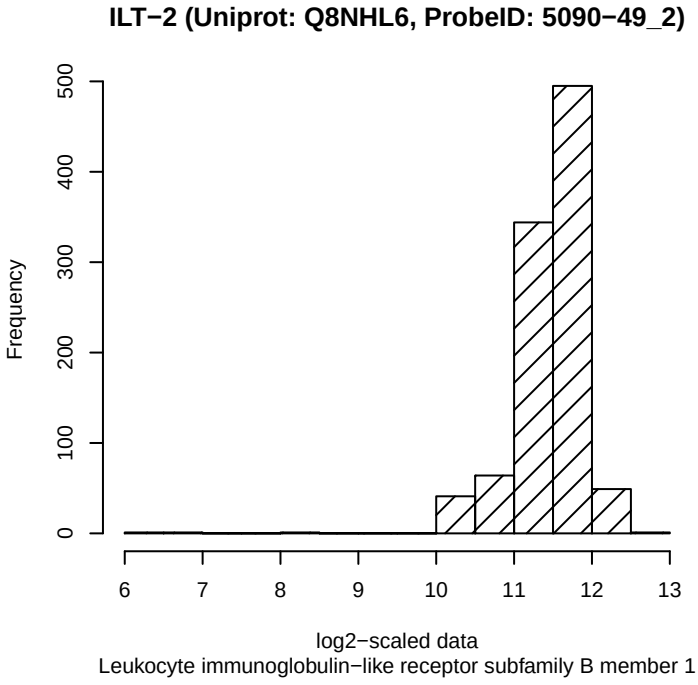

KYNU (Uniprot: Q16719, ProbeID: 4559−64_2)
log2−scaled data
9
10
11
12
13
14
A/A (706)
A/G (267)
G/G (24)
rs9013 (Chr2:143798189)
Locus 40 top sentinel (CIS), p=9.8e−64, FC=−1.3473

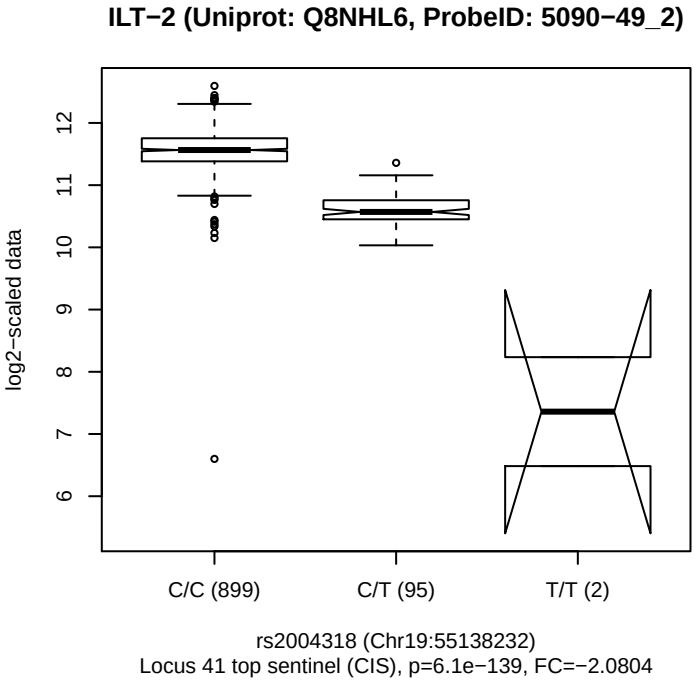

KYNU (Uniprot: Q16719, ProbeID: 4559−64_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Kynureninase

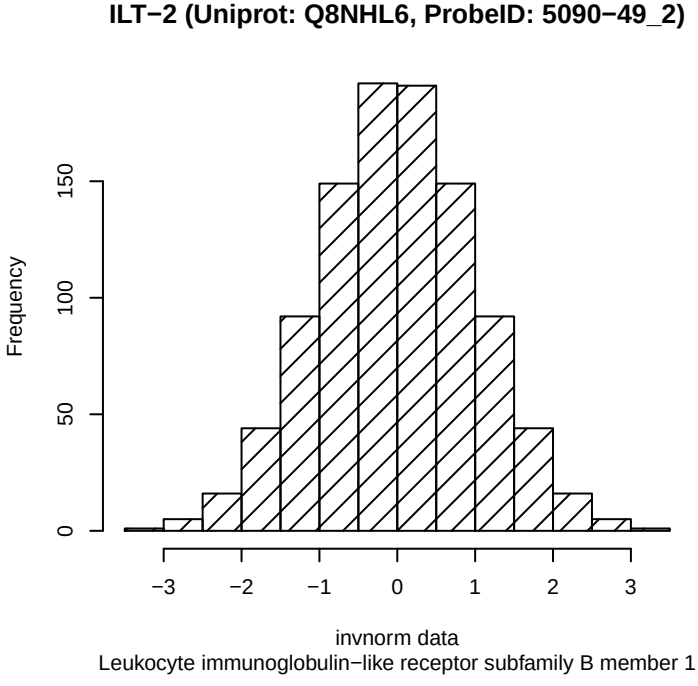

KYNU (Uniprot: Q16719, ProbeID: 4559−64_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (706)
A/G (267)
G/G (24)
rs9013 (Chr2:143798189)
Locus 40 top sentinel (CIS), p=1e−81

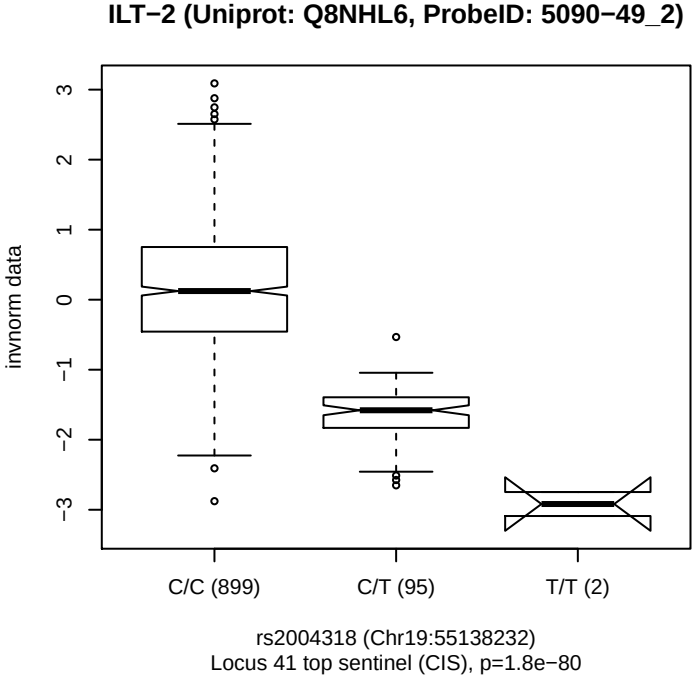

ILT−2 (Uniprot: Q8NHL6, ProbeID: 5090−49_2)
Frequency
0
50
100
150
200
250
300
0
1000
2000
3000
4000
5000
6000
raw data
Leukocyte immunoglobulin−like receptor subfamily B member 1

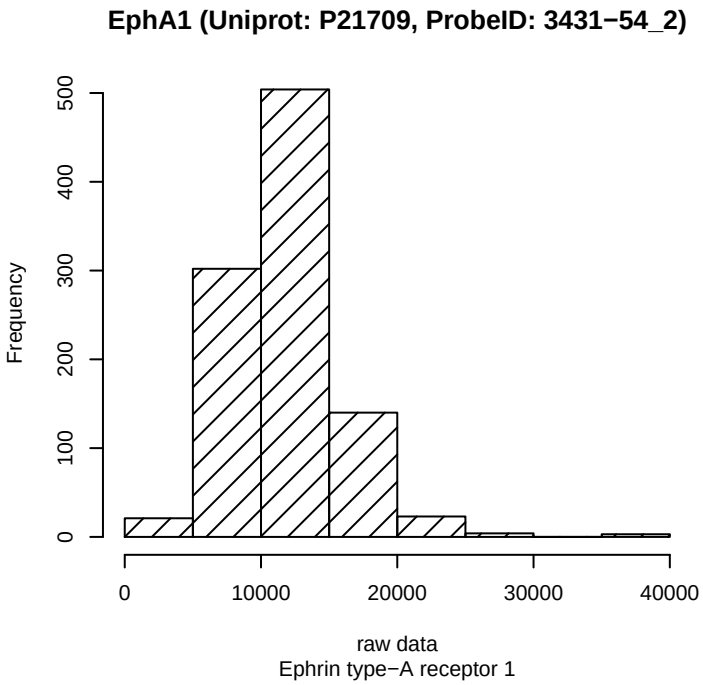

ILT−2 (Uniprot: Q8NHL6, ProbeID: 5090−49_2)
raw data
0
1000
2000
3000
4000
5000
6000
C/C (899)
C/T (95)
T/T (2)
rs2004318 (Chr19:55138232)
Locus 41 top sentinel (CIS), p=1.5e−102

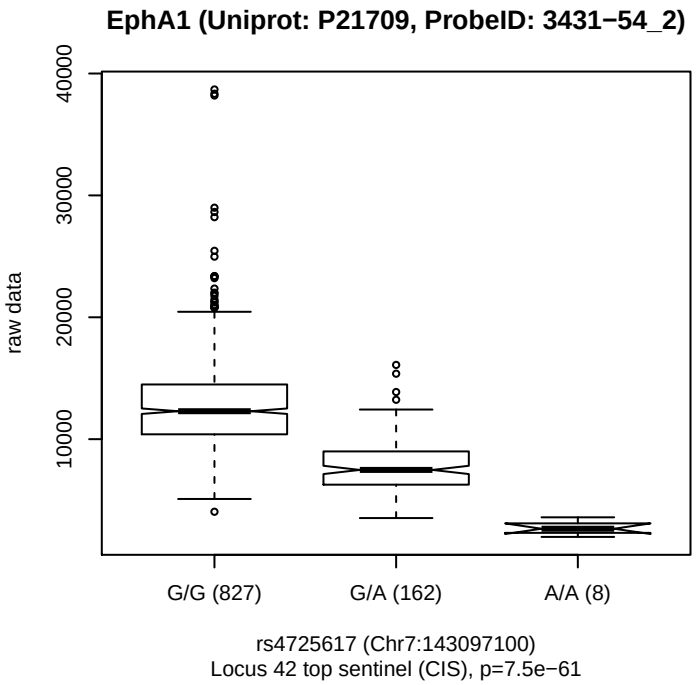

ILT−2 (Uniprot: Q8NHL6, ProbeID: 5090−49_2)
Frequency
0
100
200
300
400
500
6
7
8
9
10
11
12
13
log2−scaled data
Leukocyte immunoglobulin−like receptor subfamily B member 1

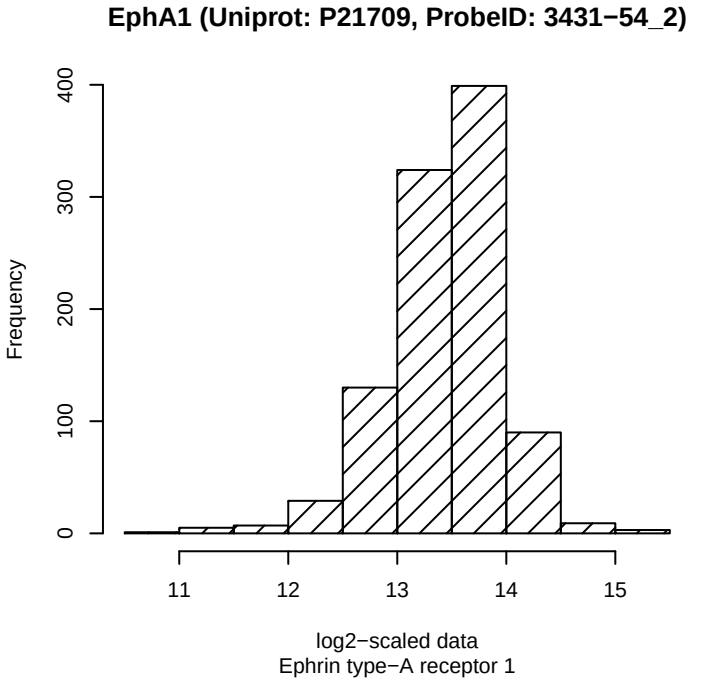

ILT−2 (Uniprot: Q8NHL6, ProbeID: 5090−49_2)
log2−scaled data
6
7
8
9
10
11
12
C/C (899)
C/T (95)
T/T (2)
rs2004318 (Chr19:55138232)
Locus 41 top sentinel (CIS), p=6.1e−139, FC=−2.0804

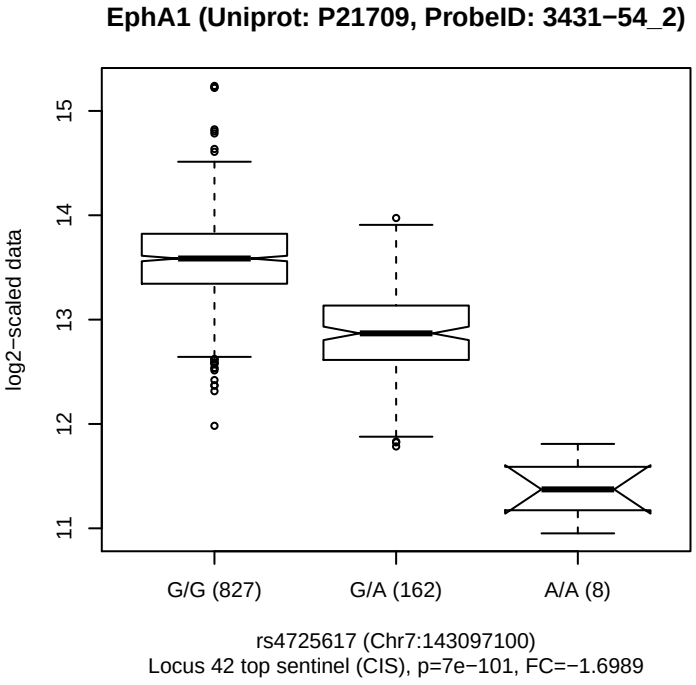

ILT−2 (Uniprot: Q8NHL6, ProbeID: 5090−49_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Leukocyte immunoglobulin−like receptor subfamily B member 1

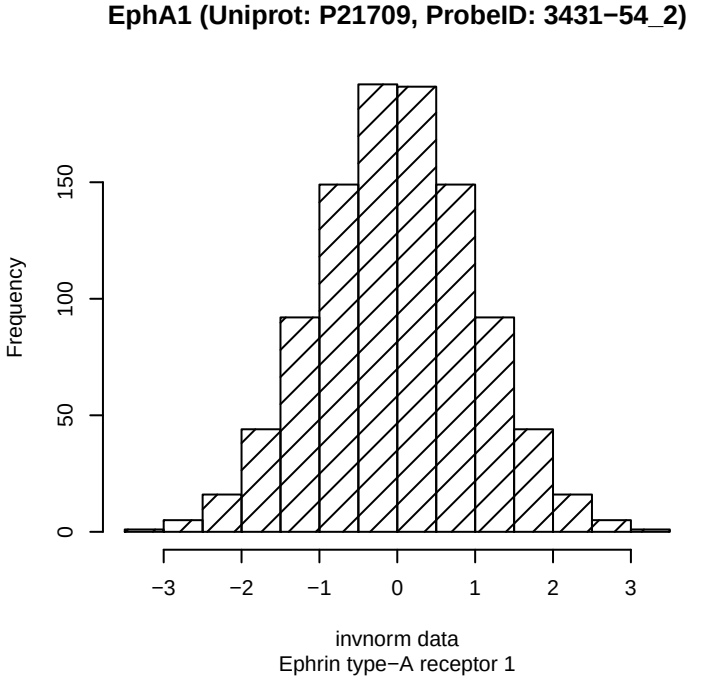

ILT−2 (Uniprot: Q8NHL6, ProbeID: 5090−49_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (899)
C/T (95)
T/T (2)
rs2004318 (Chr19:55138232)
Locus 41 top sentinel (CIS), p=1.8e−80

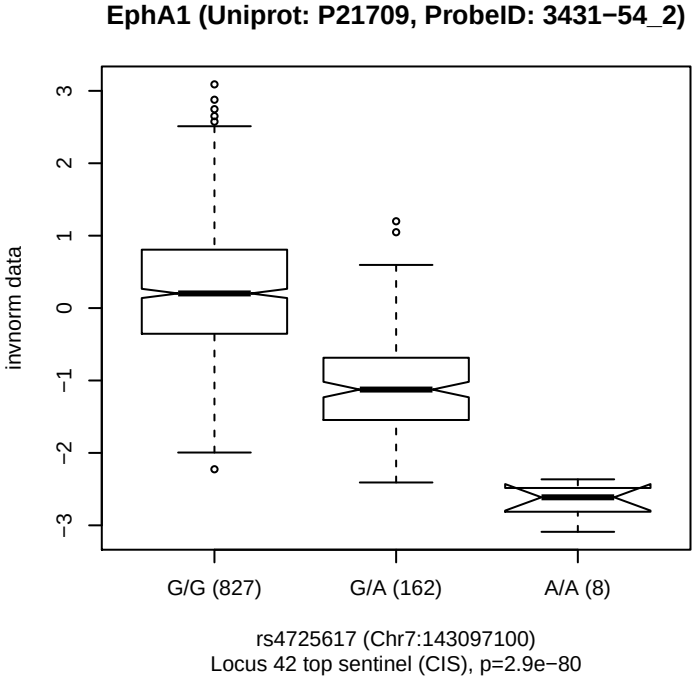

EphA1 (Uniprot: P21709, ProbeID: 3431−54_2)
Frequency
0
100
200
300
400
500
0
10000
20000
30000
40000
raw data
Ephrin type−A receptor 1

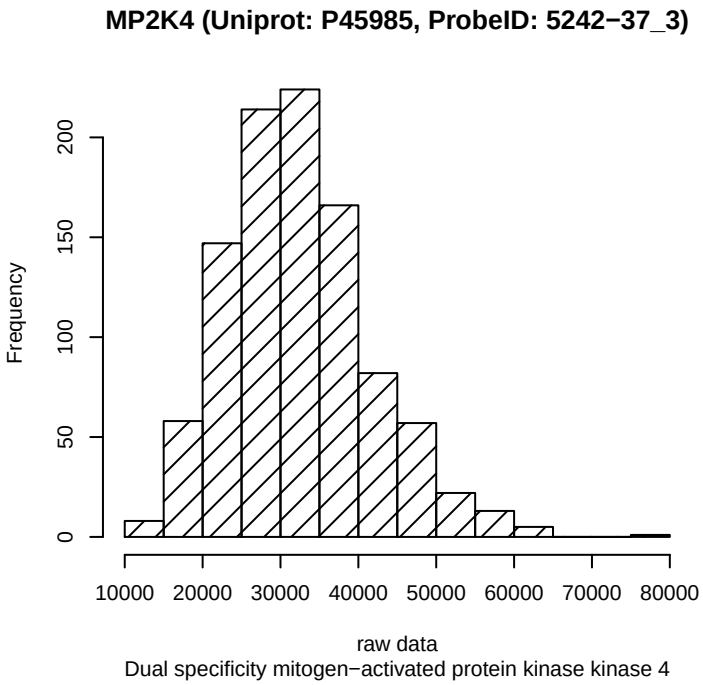

EphA1 (Uniprot: P21709, ProbeID: 3431−54_2)
raw data
10000
20000
30000
40000
G/G (827)
G/A (162)
A/A (8)
rs4725617 (Chr7:143097100)
Locus 42 top sentinel (CIS), p=7.5e−61

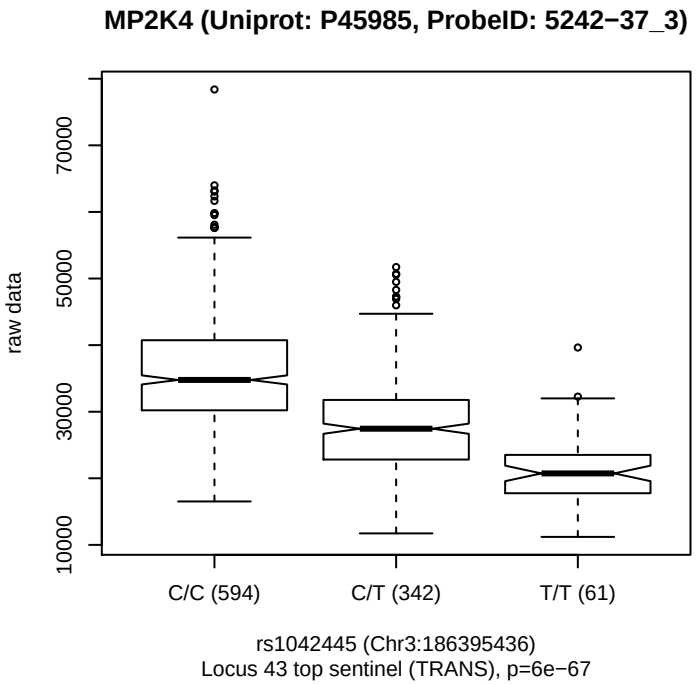

EphA1 (Uniprot: P21709, ProbeID: 3431−54_2)
Frequency
0
100
200
300
400
11
12
13
14
15
log2−scaled data
Ephrin type−A receptor 1

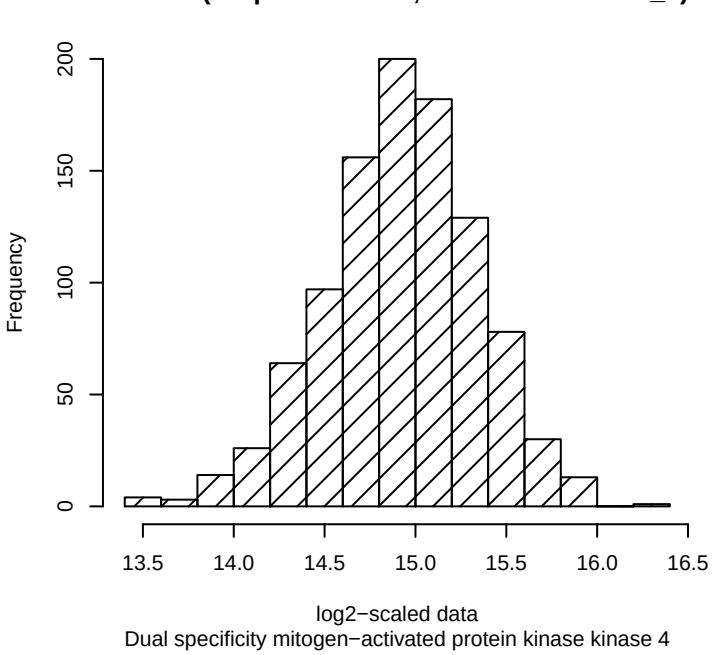

EphA1 (Uniprot: P21709, ProbeID: 3431−54_2)
log2−scaled data
11
12
13
14
15
G/G (827)
G/A (162)
A/A (8)
rs4725617 (Chr7:143097100)
Locus 42 top sentinel (CIS), p=7e−101, FC=−1.6989

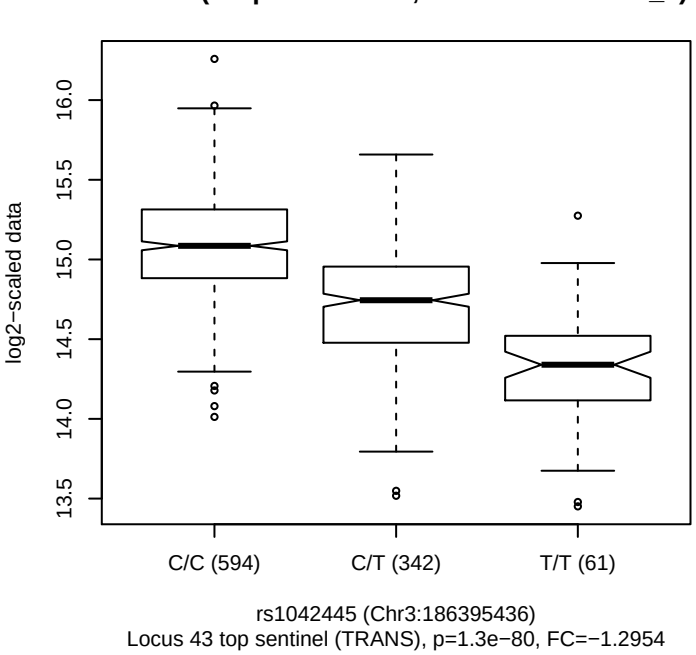

EphA1 (Uniprot: P21709, ProbeID: 3431−54_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Ephrin type−A receptor 1

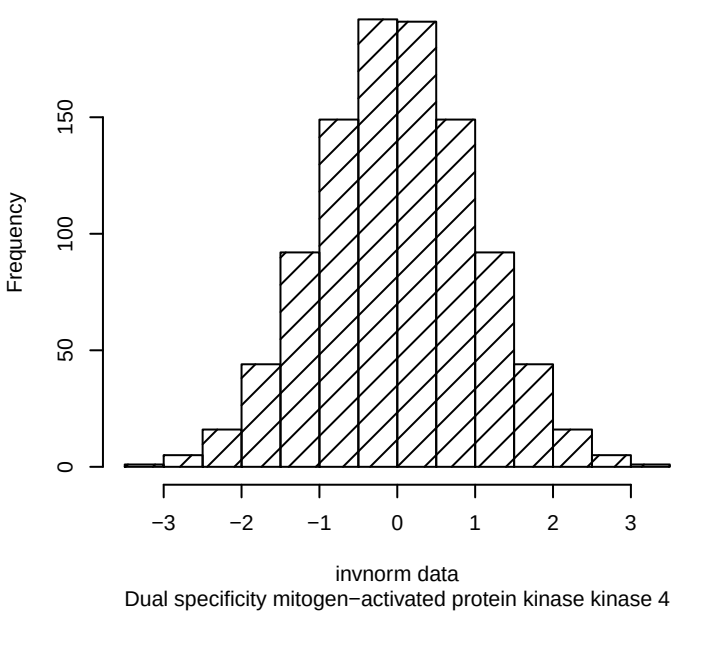

EphA1 (Uniprot: P21709, ProbeID: 3431−54_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (827)
G/A (162)
A/A (8)
rs4725617 (Chr7:143097100)
Locus 42 top sentinel (CIS), p=2.9e−80

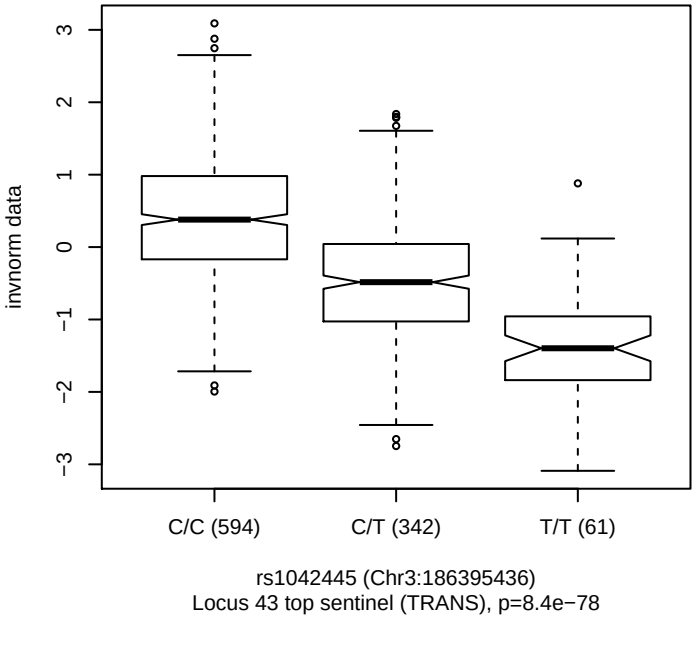

MP2K4 (Uniprot: P45985, ProbeID: 5242−37_3)
Frequency
0
50
100
150
200
10000
20000
30000
40000
50000
60000
70000
80000
raw data
Dual specificity mitogen−activated protein kinase kinase 4

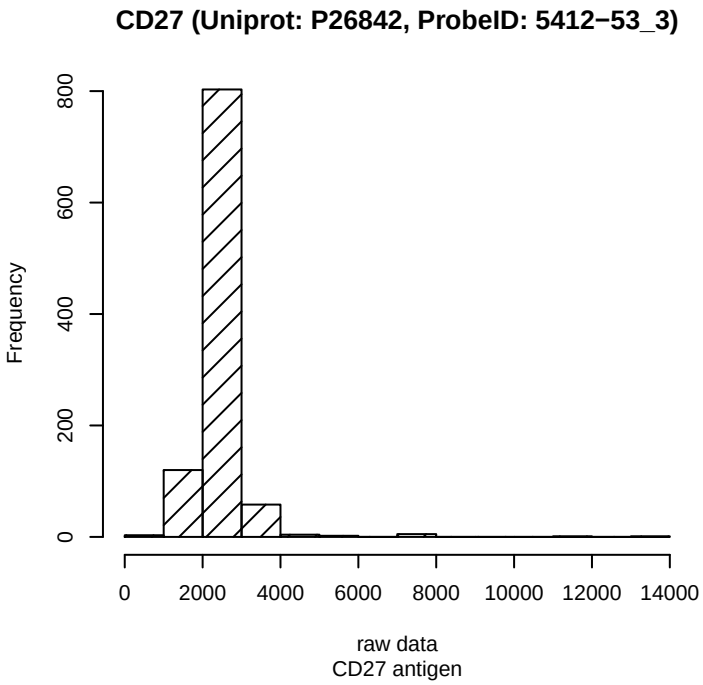

MP2K4 (Uniprot: P45985, ProbeID: 5242−37_3)
raw data
10000
30000
50000
70000
C/C (594)
C/T (342)
T/T (61)
rs1042445 (Chr3:186395436)
Locus 43 top sentinel (TRANS), p=6e−67

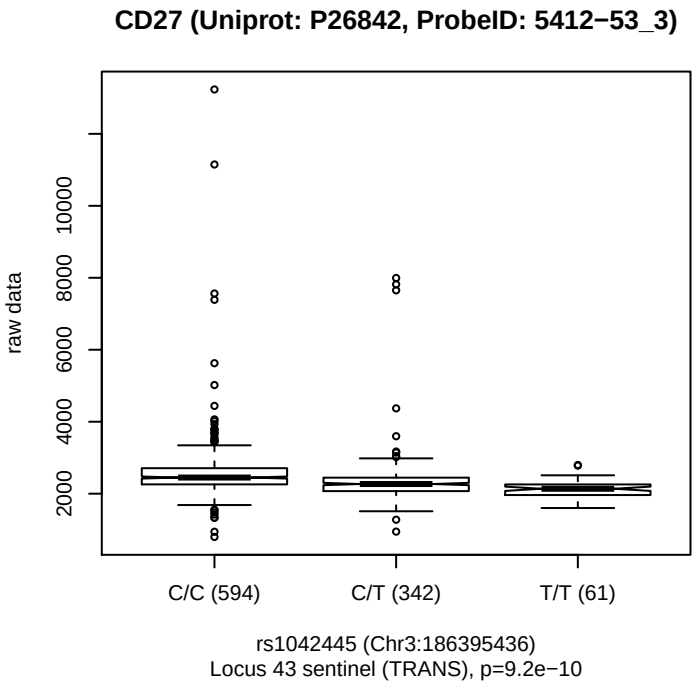

MP2K4 (Uniprot: P45985, ProbeID: 5242−37_3)
Frequency
0
50
100
150
200
13.5
14.0
14.5
15.0
15.5
16.0
16.5
log2−scaled data
Dual specificity mitogen−activated protein kinase kinase 4

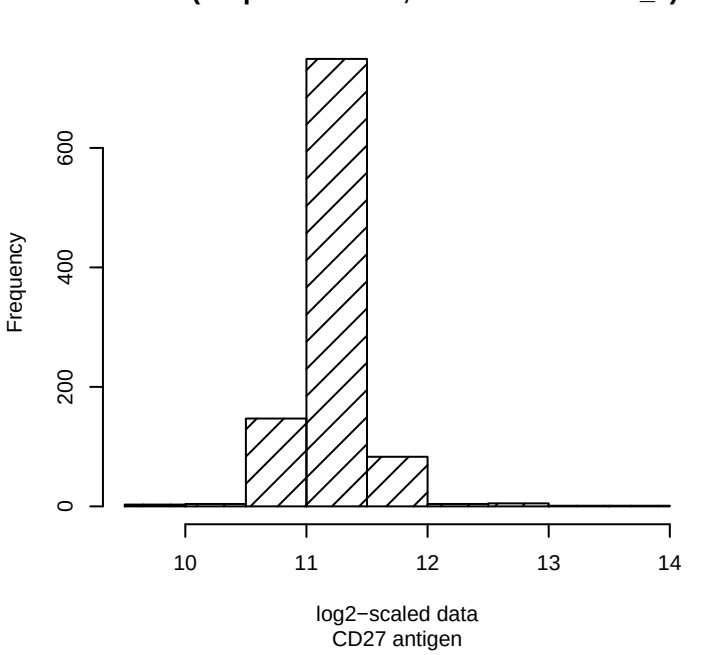

MP2K4 (Uniprot: P45985, ProbeID: 5242−37_3)
log2−scaled data
13.5
14.0
14.5
15.0
15.5
16.0
C/C (594)
C/T (342)
T/T (61)
rs1042445 (Chr3:186395436)
Locus 43 top sentinel (TRANS), p=1.3e−80, FC=−1.2954

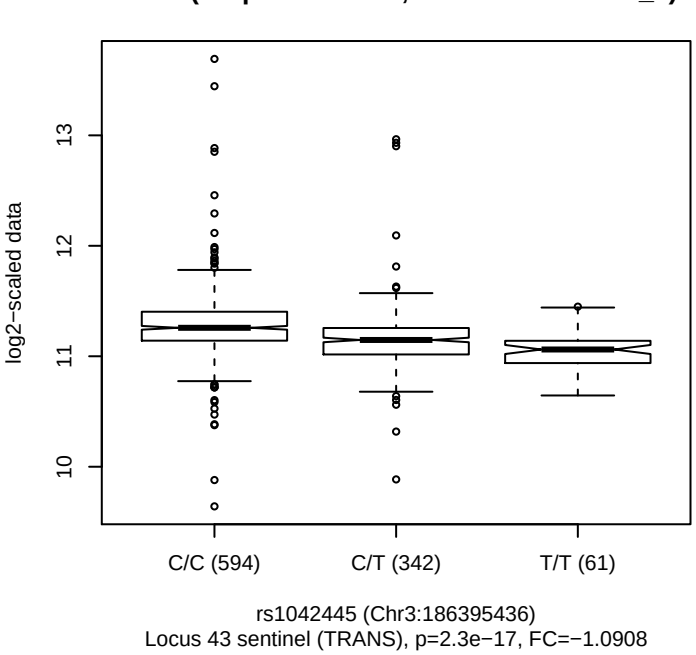

MP2K4 (Uniprot: P45985, ProbeID: 5242−37_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Dual specificity mitogen−activated protein kinase kinase 4

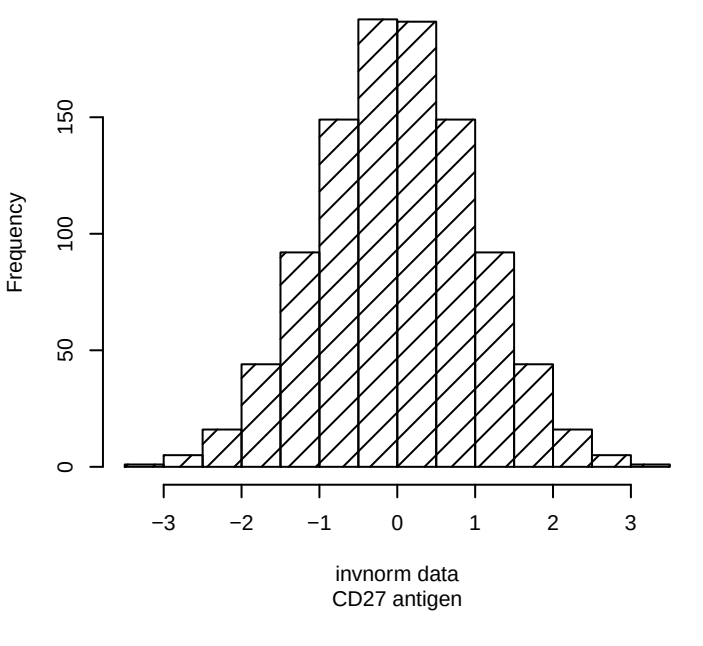

MP2K4 (Uniprot: P45985, ProbeID: 5242−37_3)
invnorm data
−3
−2
−1
0
1
2
3
C/C (594)
C/T (342)
T/T (61)
rs1042445 (Chr3:186395436)
Locus 43 top sentinel (TRANS), p=8.4e−78

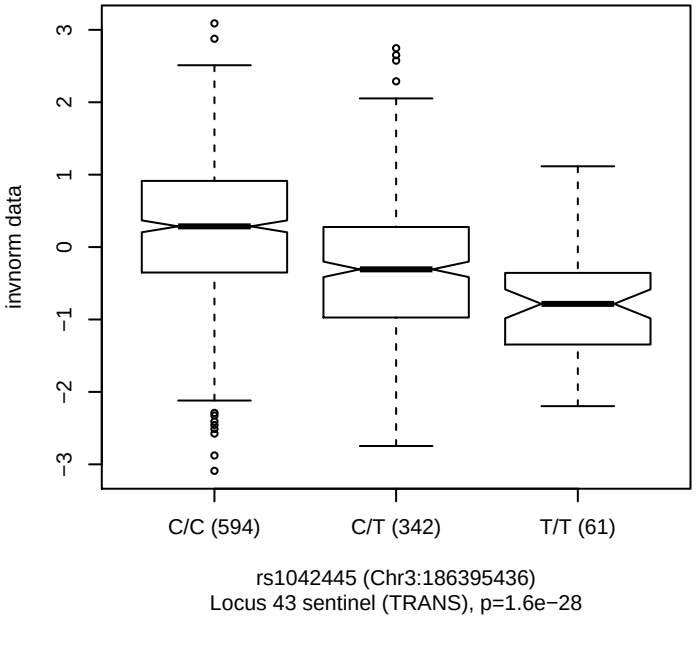

CD27 (Uniprot: P26842, ProbeID: 5412−53_3)
Frequency
0
200
400
600
800
0
2000
4000
6000
8000
10000
12000
14000
raw data
CD27 antigen

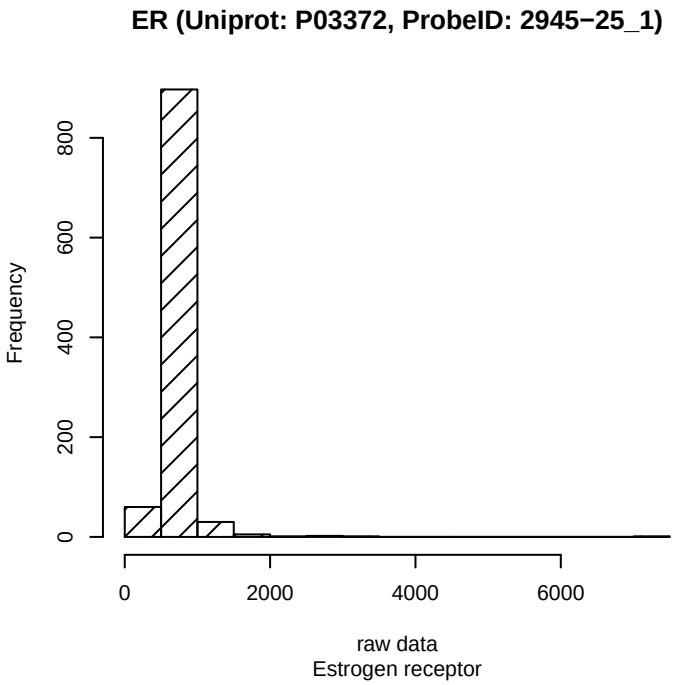

CD27 (Uniprot: P26842, ProbeID: 5412−53_3)
raw data
2000
4000
6000
8000
10000
C/C (594)
C/T (342)
T/T (61)
rs1042445 (Chr3:186395436)
Locus 43 sentinel (TRANS), p=9.2e−10

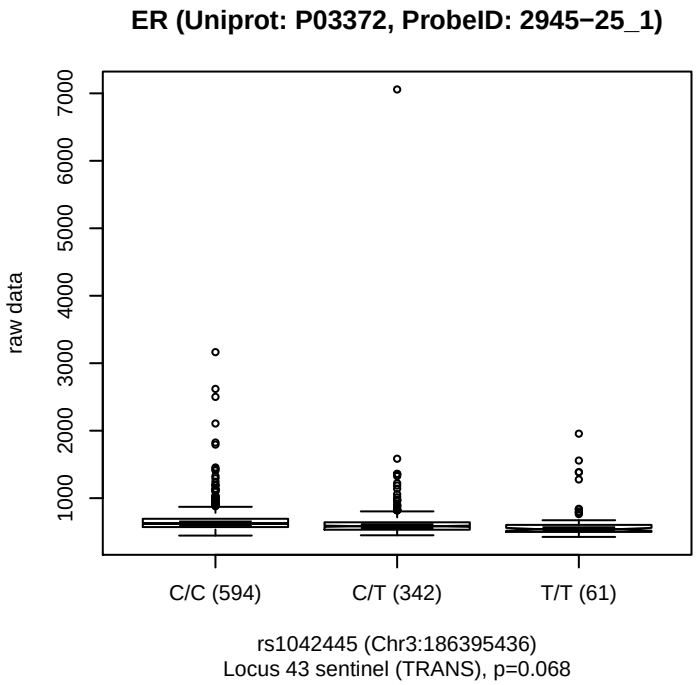

CD27 (Uniprot: P26842, ProbeID: 5412−53_3)
Frequency
0
200
400
600
10
11
12
13
14
log2−scaled data
CD27 antigen

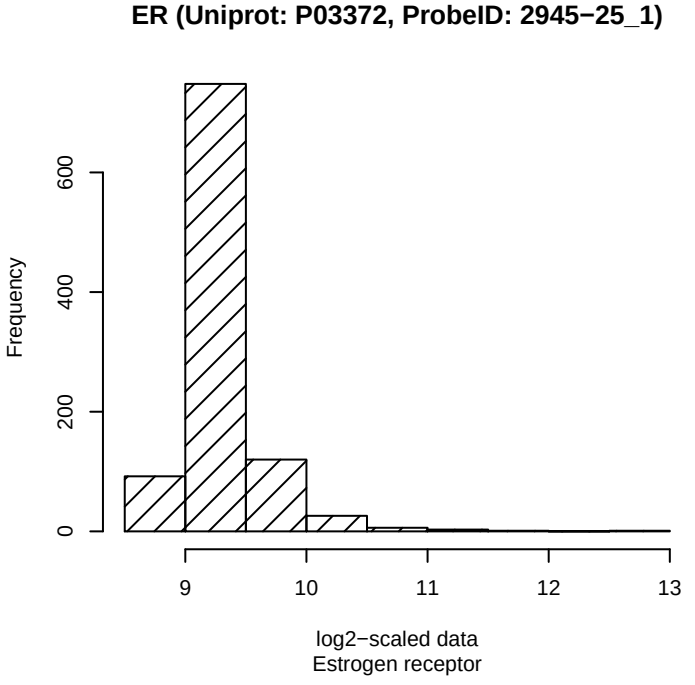

CD27 (Uniprot: P26842, ProbeID: 5412−53_3)
log2−scaled data
10
11
12
13
C/C (594)
C/T (342)
T/T (61)
rs1042445 (Chr3:186395436)
Locus 43 sentinel (TRANS), p=2.3e−17, FC=−1.0908

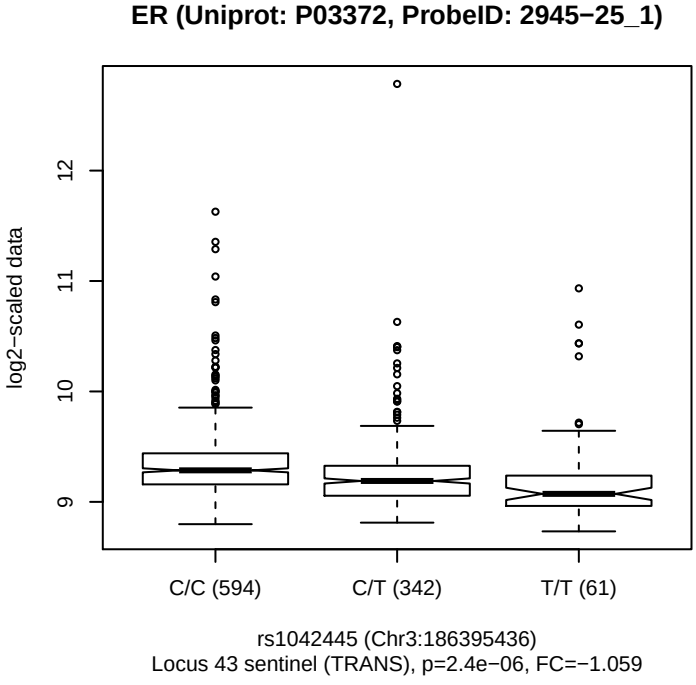

CD27 (Uniprot: P26842, ProbeID: 5412−53_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
CD27 antigen

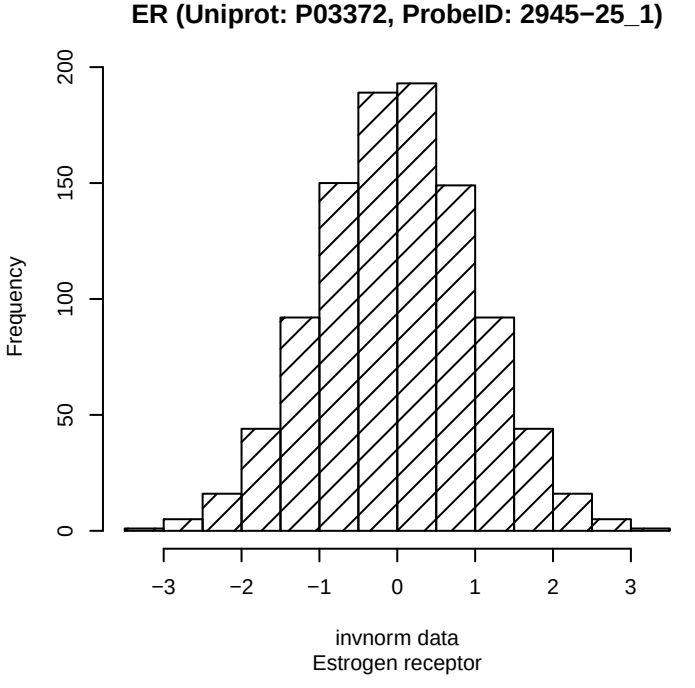

CD27 (Uniprot: P26842, ProbeID: 5412−53_3)
invnorm data
−3
−2
−1
0
1
2
3
C/C (594)
C/T (342)
T/T (61)
rs1042445 (Chr3:186395436)
Locus 43 sentinel (TRANS), p=1.6e−28

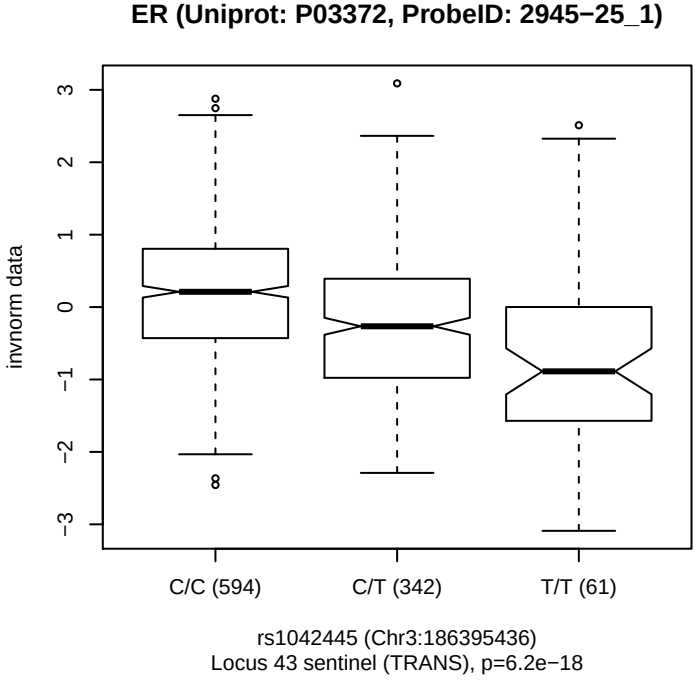

ER (Uniprot: P03372, ProbeID: 2945−25_1)
Frequency
0
200
400
600
800
0
2000
4000
6000
raw data
Estrogen receptor

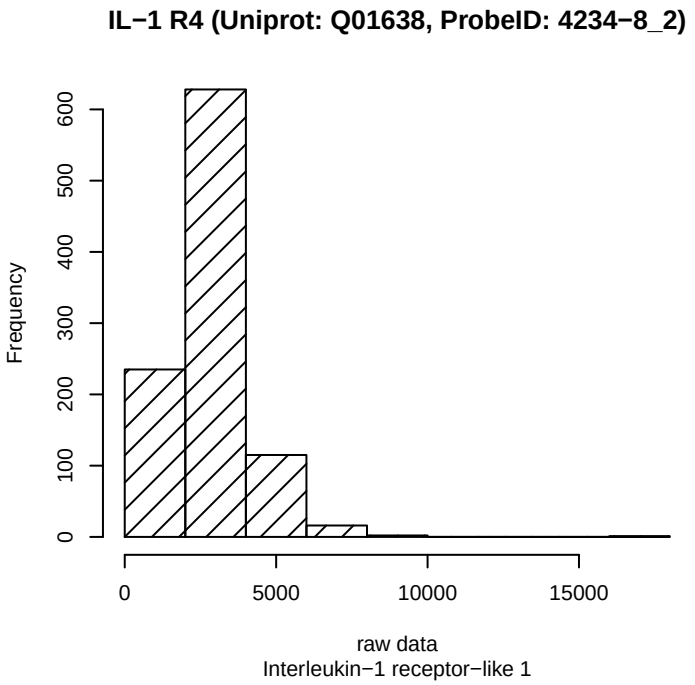

ER (Uniprot: P03372, ProbeID: 2945−25_1)
raw data
1000
2000
3000
4000
5000
6000
7000
C/C (594)
C/T (342)
T/T (61)
rs1042445 (Chr3:186395436)
Locus 43 sentinel (TRANS), p=0.068

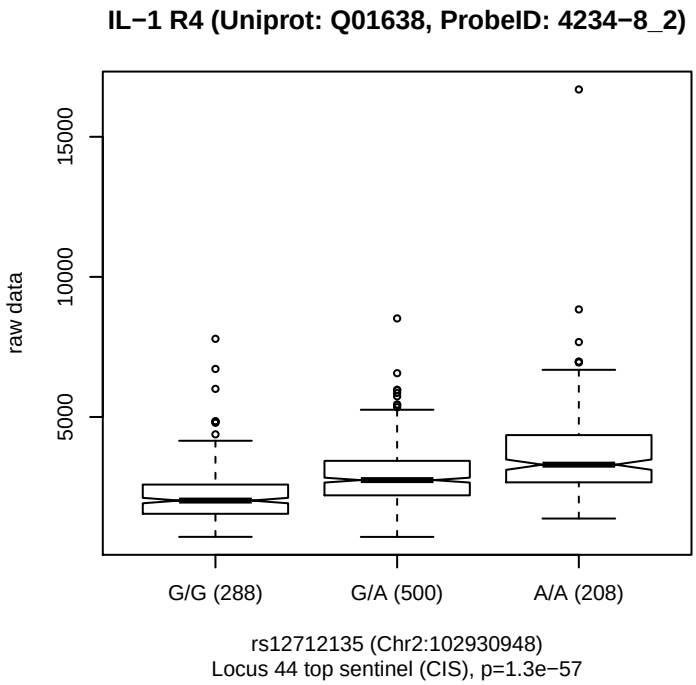

ER (Uniprot: P03372, ProbeID: 2945−25_1)
Frequency
0
200
400
600
9
10
11
12
13
log2−scaled data
Estrogen receptor

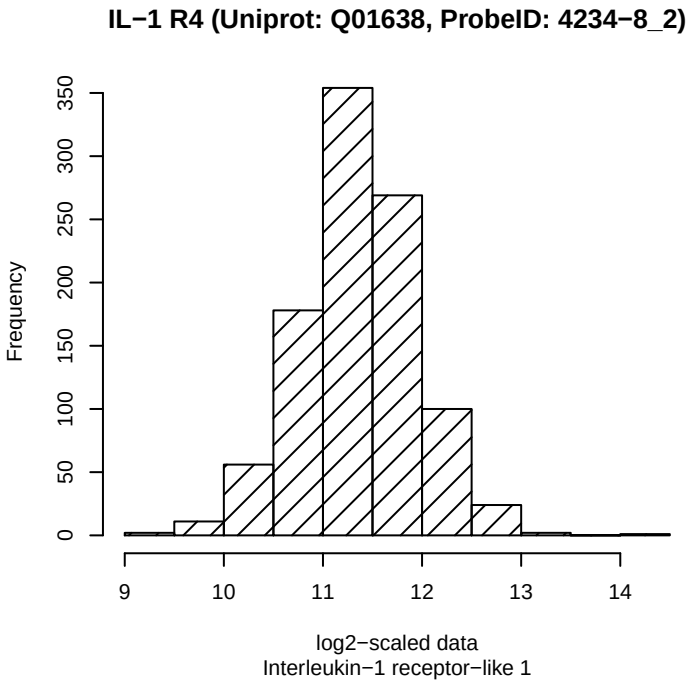

ER (Uniprot: P03372, ProbeID: 2945−25_1)
log2−scaled data
9
10
11
12
C/C (594)
C/T (342)
T/T (61)
rs1042445 (Chr3:186395436)
Locus 43 sentinel (TRANS), p=2.4e−06, FC=−1.059

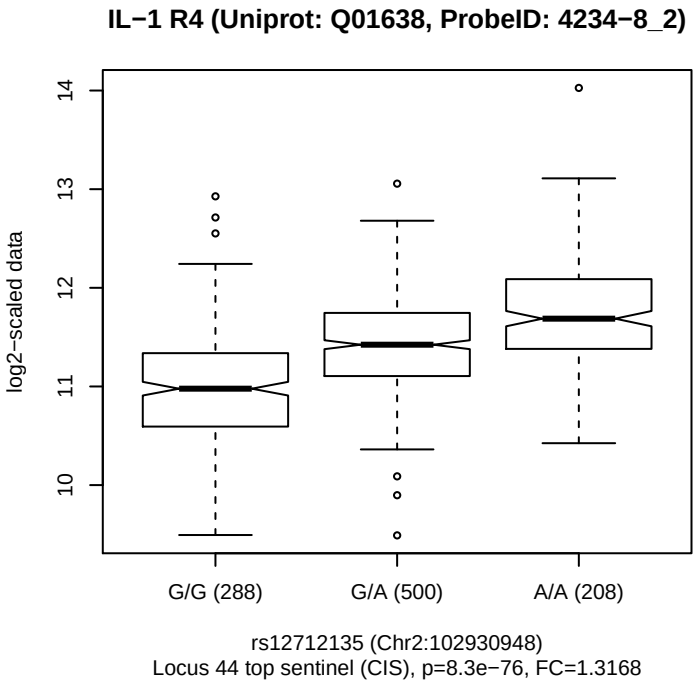

ER (Uniprot: P03372, ProbeID: 2945−25_1)
Frequency
0
50
100
150
200
−3
−2
−1
0
1
2
3
invnorm data
Estrogen receptor

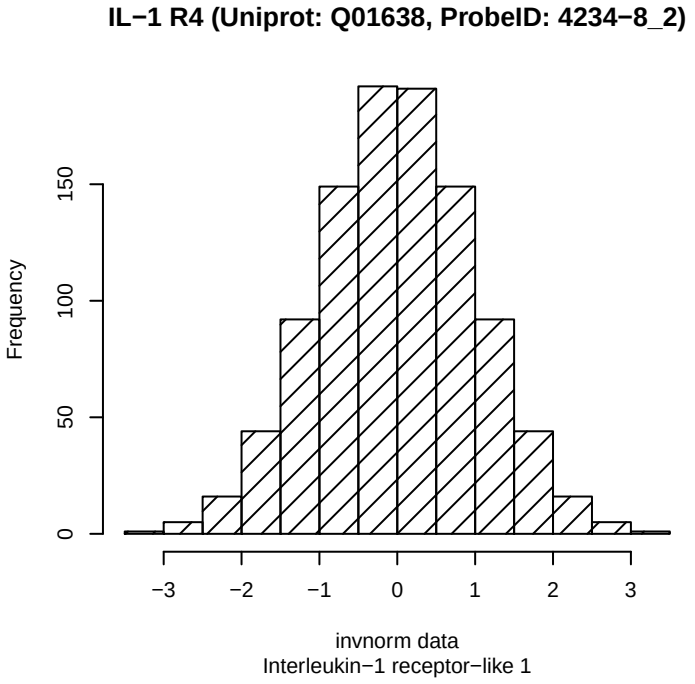

ER (Uniprot: P03372, ProbeID: 2945−25_1)
invnorm data
−3
−2
−1
0
1
2
3
C/C (594)
C/T (342)
T/T (61)
rs1042445 (Chr3:186395436)
Locus 43 sentinel (TRANS), p=6.2e−18

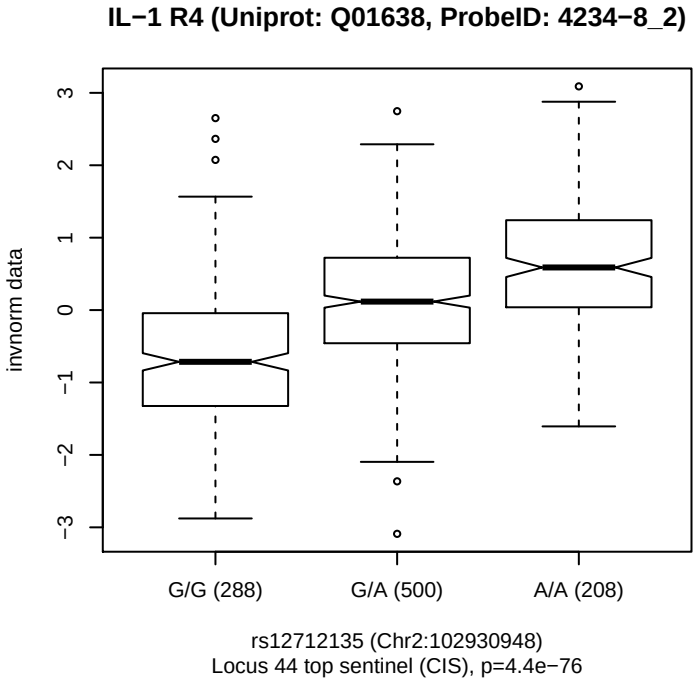

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
Frequency
0
100
200
300
400
500
600
0
5000
10000
15000
raw data
Interleukin−1 receptor−like 1

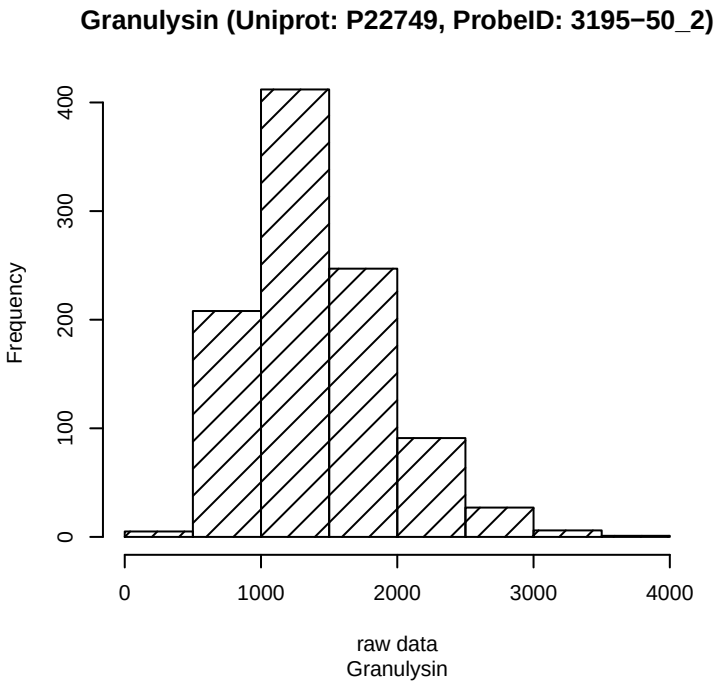

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
raw data
5000
10000
15000
G/G (288)
G/A (500)
A/A (208)
rs12712135 (Chr2:102930948)
Locus 44 top sentinel (CIS), p=1.3e−57

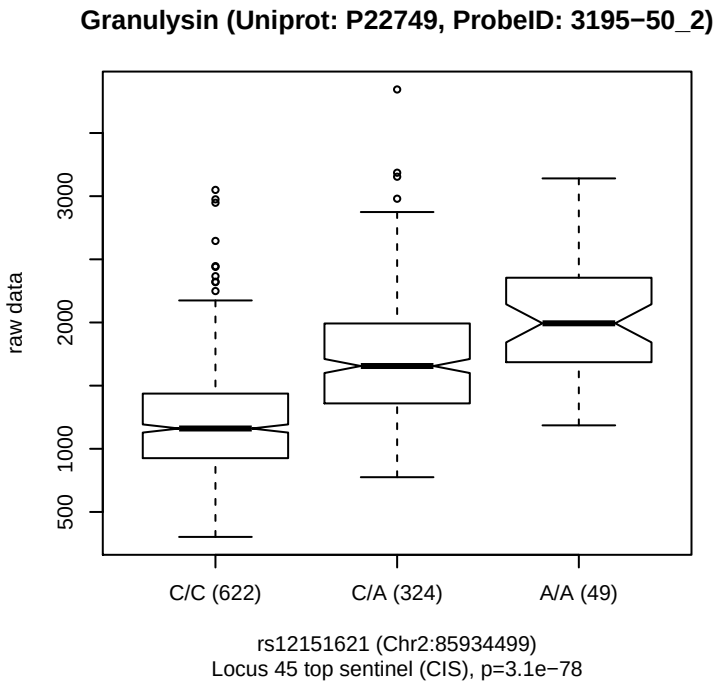

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
Frequency
0
50
100
150
200
250
300
350
9
10
11
12
13
14
log2−scaled data
Interleukin−1 receptor−like 1

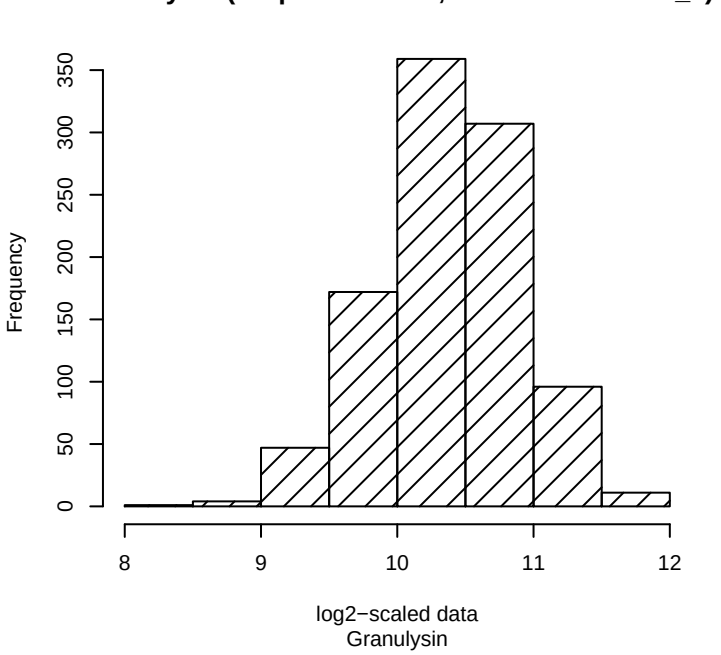

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
log2−scaled data
10
11
12
13
14
G/G (288)
G/A (500)
A/A (208)
rs12712135 (Chr2:102930948)
Locus 44 top sentinel (CIS), p=8.3e−76, FC=1.3168

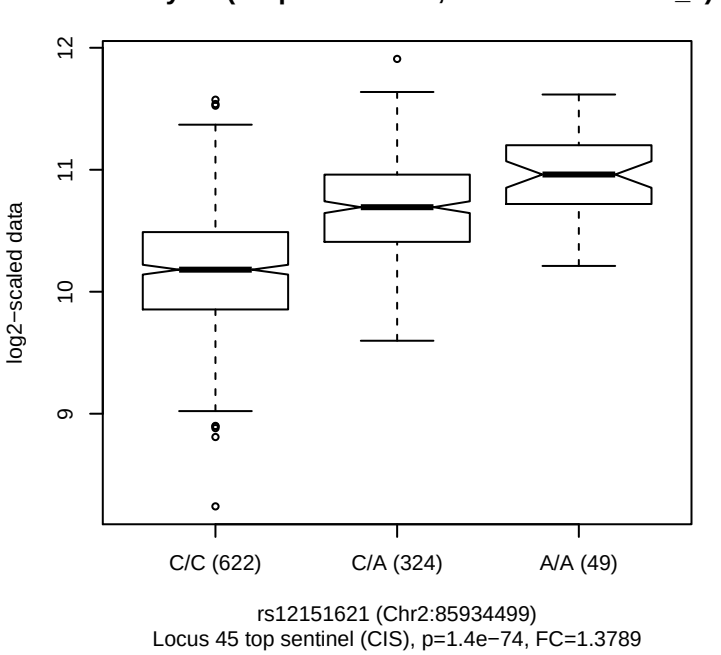

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−1 receptor−like 1

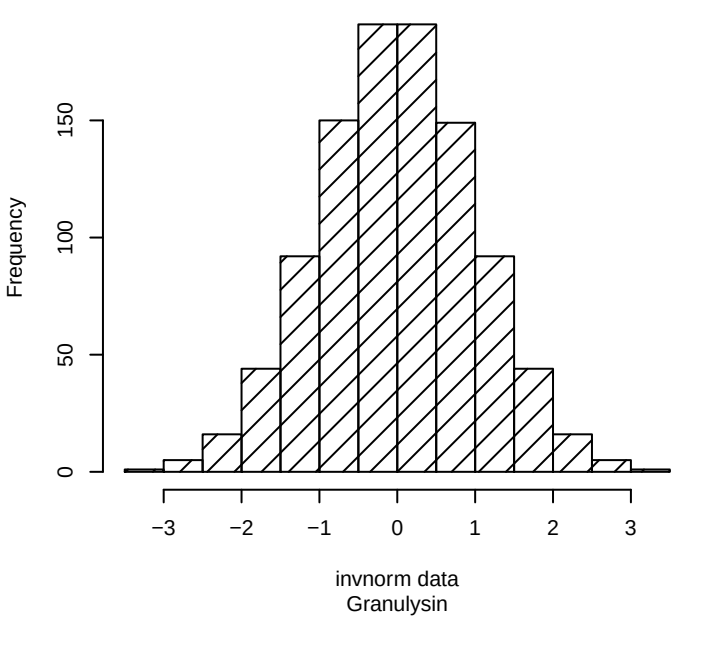

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (288)
G/A (500)
A/A (208)
rs12712135 (Chr2:102930948)
Locus 44 top sentinel (CIS), p=4.4e−76

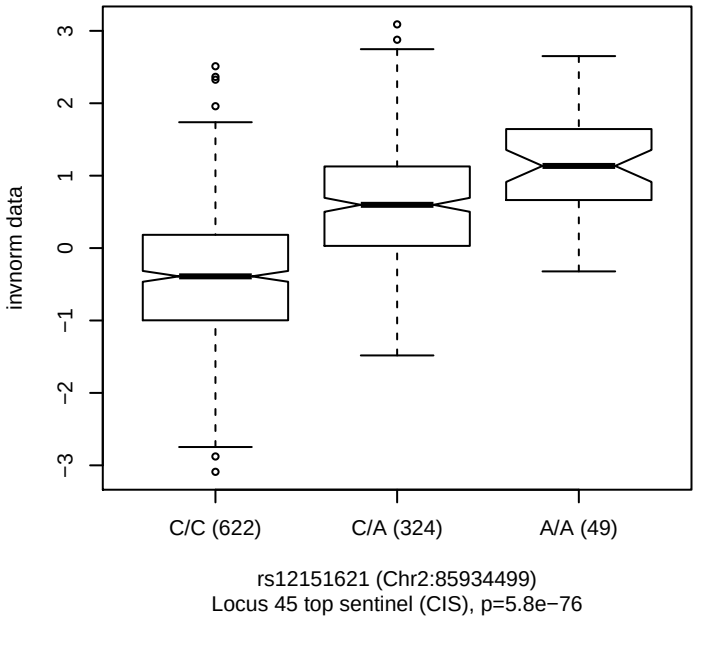

Granulysin (Uniprot: P22749, ProbeID: 3195−50_2)
Frequency
0
100
200
300
400
0
1000
2000
3000
4000
raw data
Granulysin


Granulysin (Uniprot: P22749, ProbeID: 3195−50_2)
raw data
500
1000
2000
3000
C/C (622)
C/A (324)
A/A (49)
rs12151621 (Chr2:85934499)
Locus 45 top sentinel (CIS), p=3.1e−78

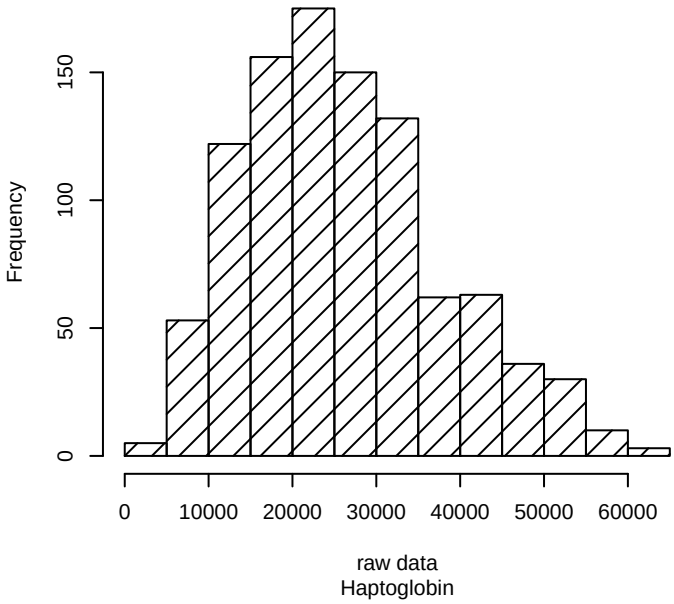

Granulysin (Uniprot: P22749, ProbeID: 3195−50_2)
Frequency
0
50
100
150
200
250
300
350
8
9
10
11
12
log2−scaled data
Granulysin


Granulysin (Uniprot: P22749, ProbeID: 3195−50_2)
log2−scaled data
9
10
11
12
C/C (622)
C/A (324)
A/A (49)
rs12151621 (Chr2:85934499)
Locus 45 top sentinel (CIS), p=1.4e−74, FC=1.3789

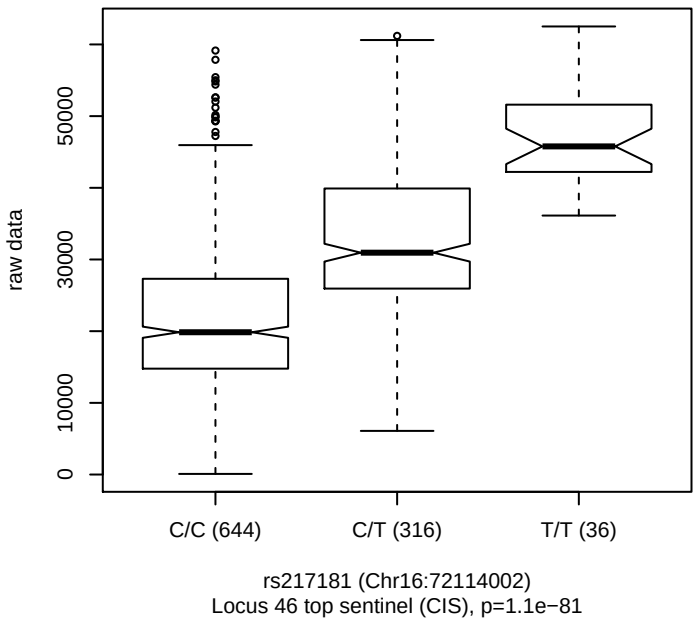

Granulysin (Uniprot: P22749, ProbeID: 3195−50_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Granulysin


Granulysin (Uniprot: P22749, ProbeID: 3195−50_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (622)
C/A (324)
A/A (49)
rs12151621 (Chr2:85934499)
Locus 45 top sentinel (CIS), p=5.8e−76

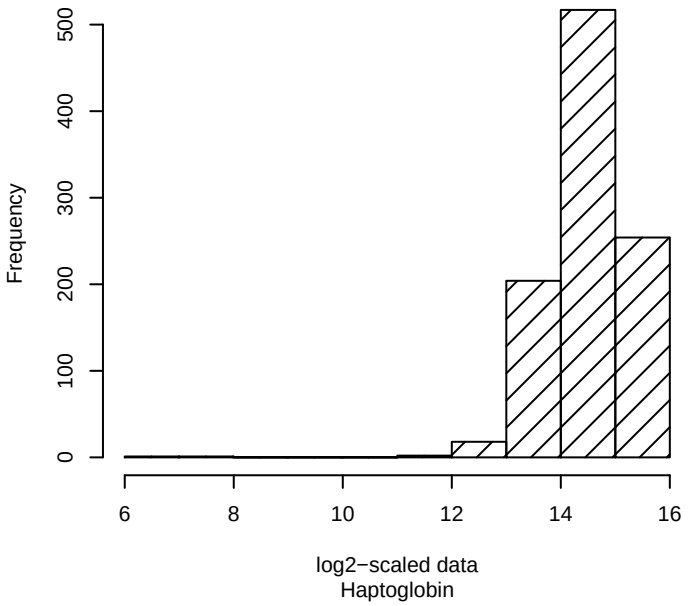
**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1**



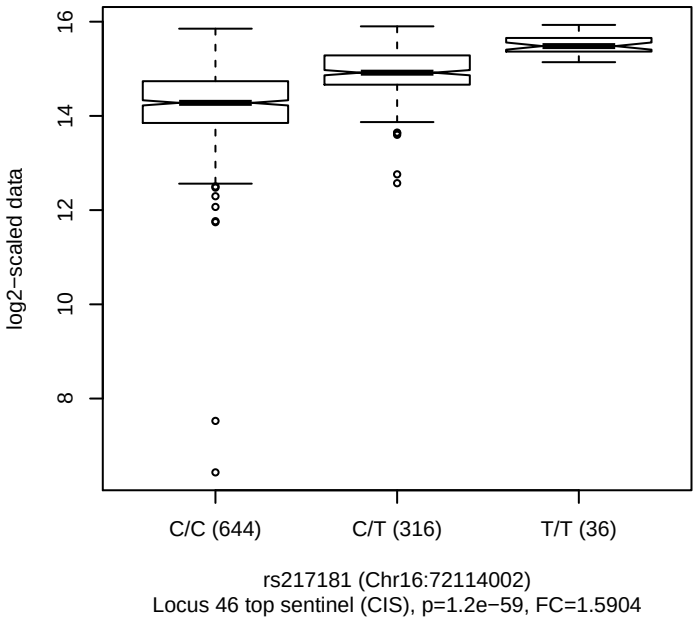

**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1**



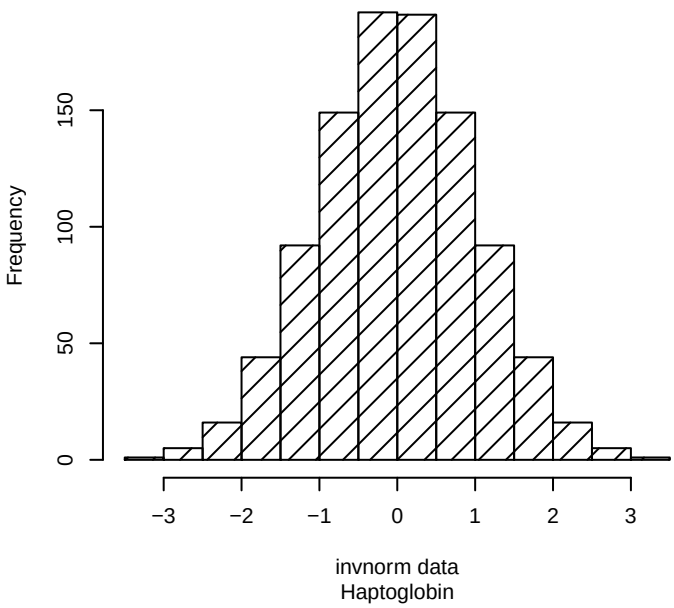

**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1**



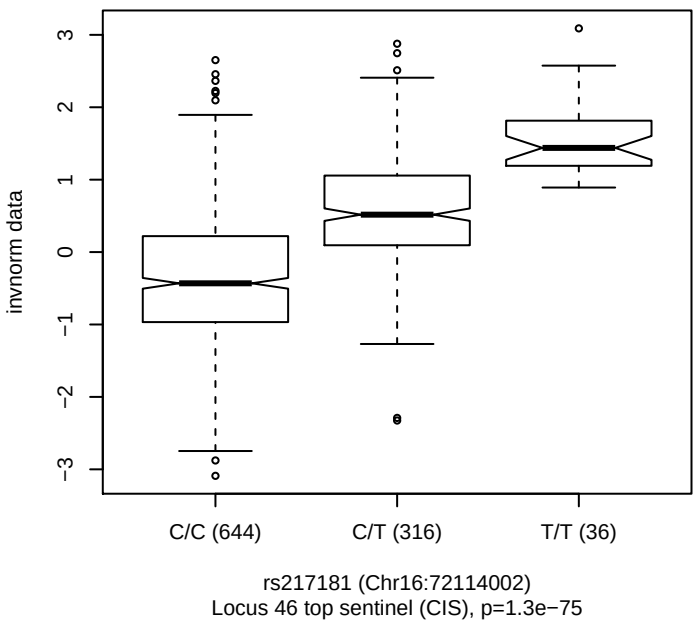

**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1**



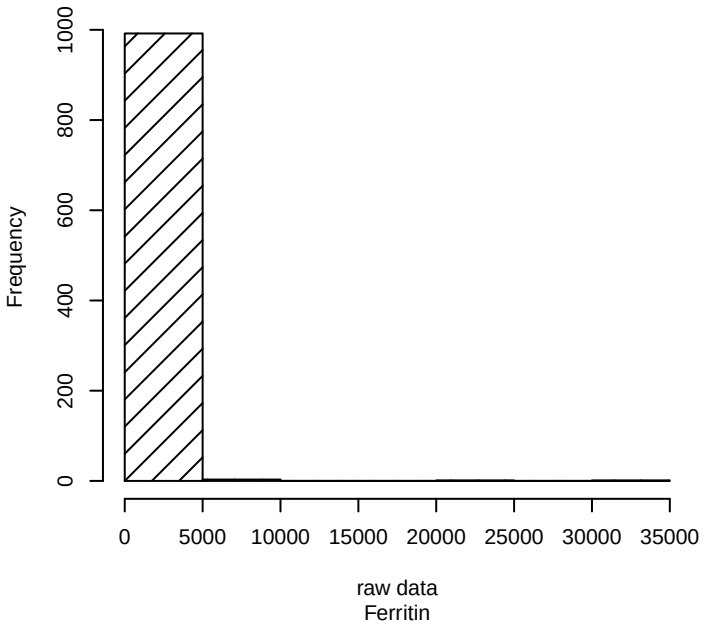

**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1**



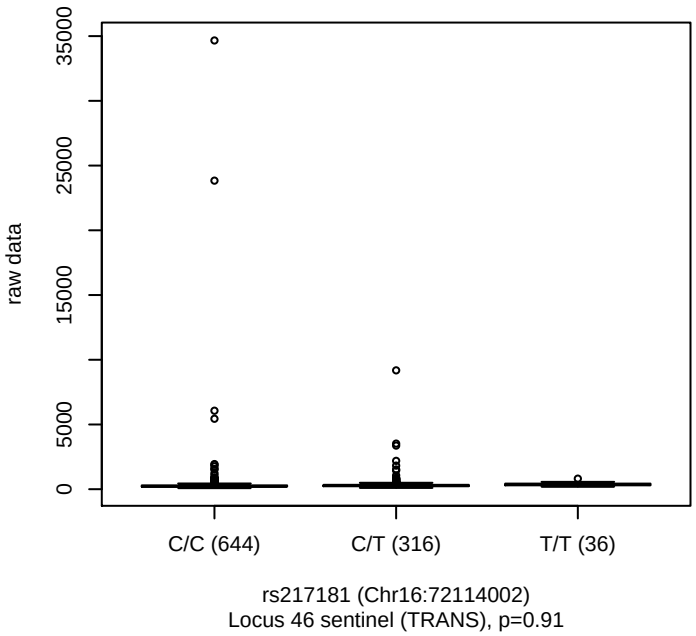

**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1**



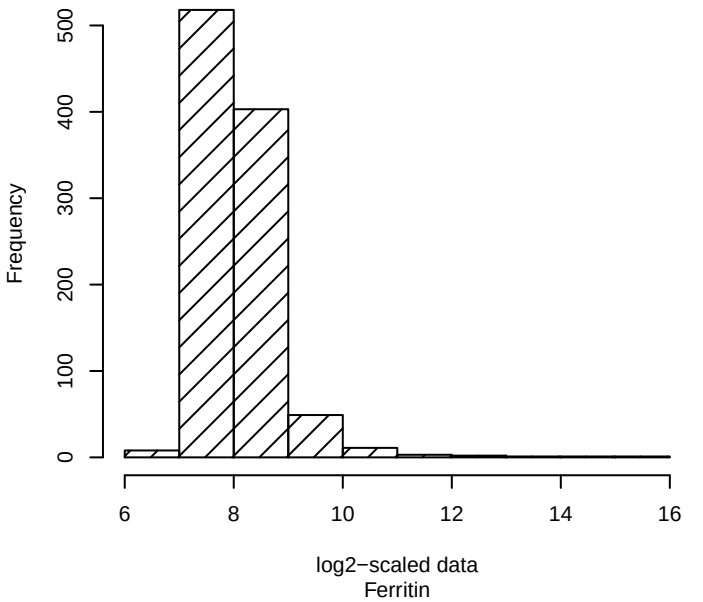
**Ferritin (Uniprot: P02794 P02792, ProbeID: 3031−66_1)**



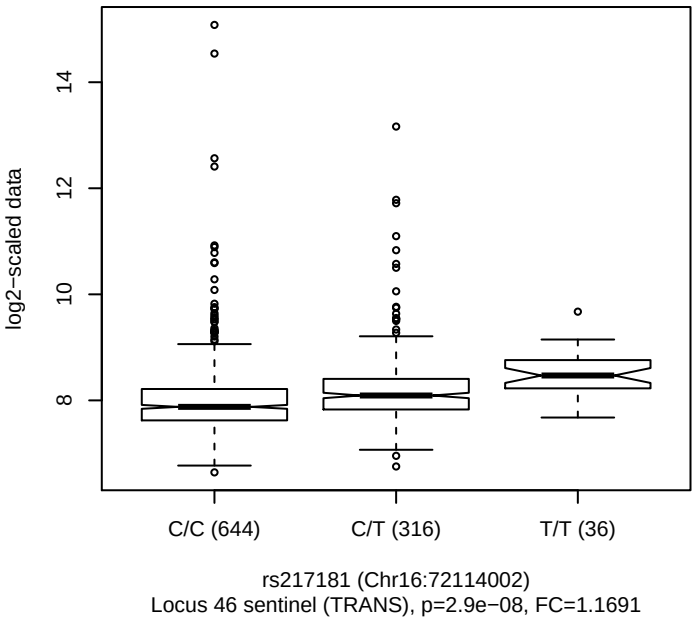

**Ferritin (Uniprot: P02794 P02792, ProbeID: 3031−66_1)**



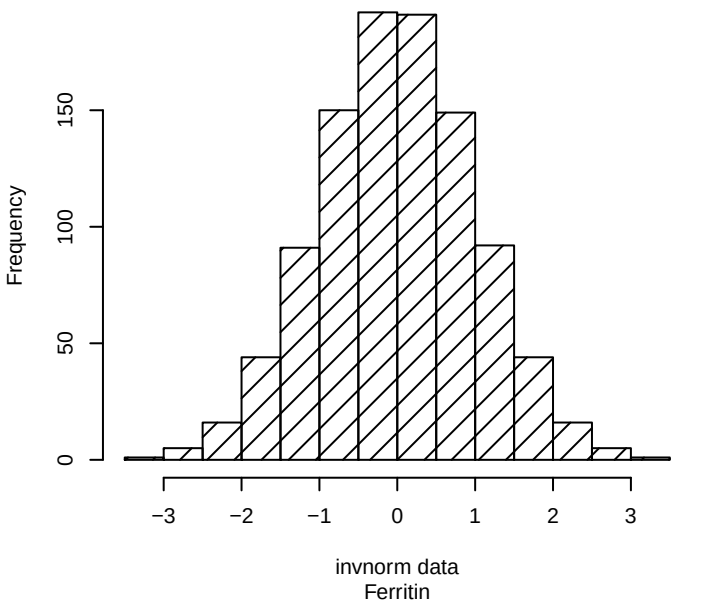

**Ferritin (Uniprot: P02794 P02792, ProbeID: 3031−66_1)**



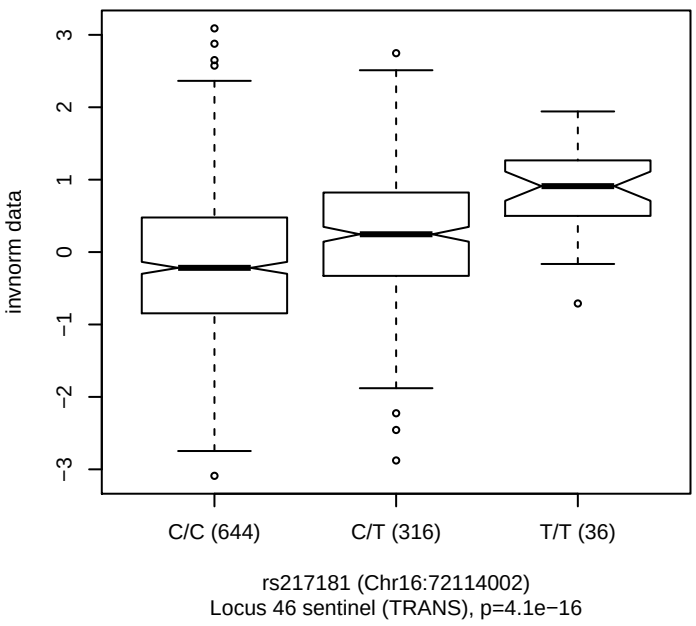

**Ferritin (Uniprot: P02794 P02792, ProbeID: 3031−66_1)**

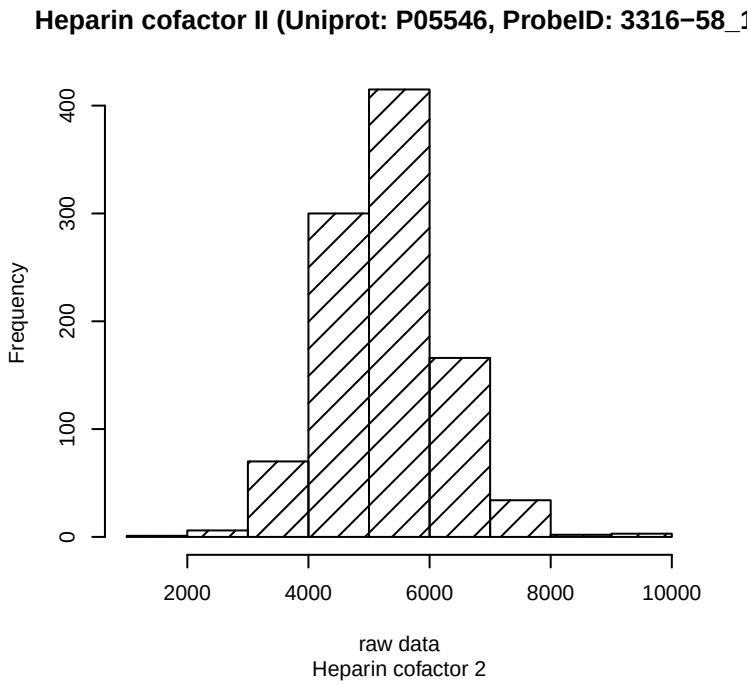


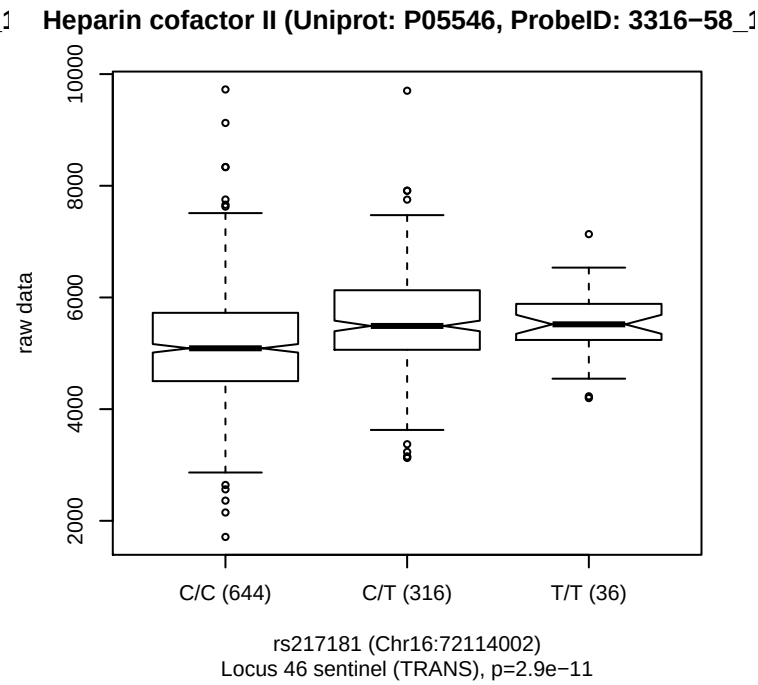

**Ferritin (Uniprot: P02794 P02792, ProbeID: 3031−66_1)**

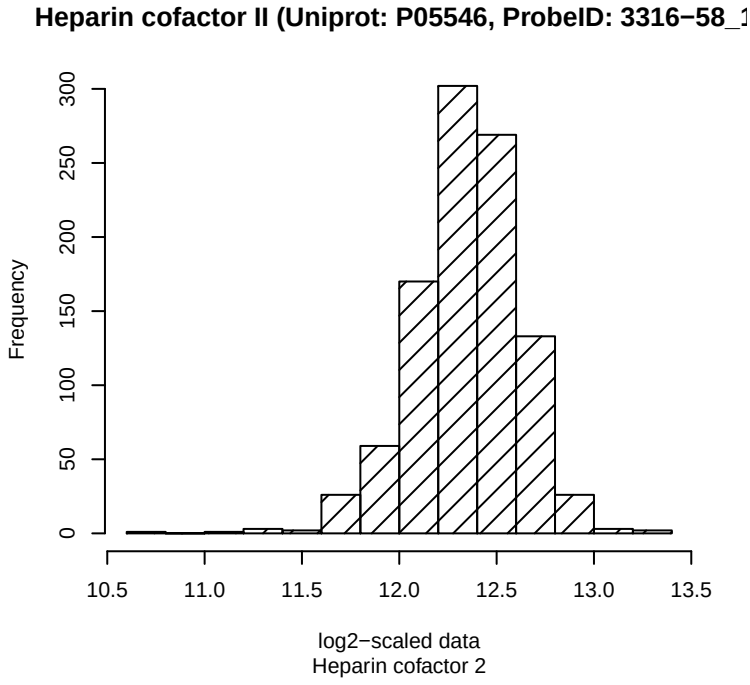


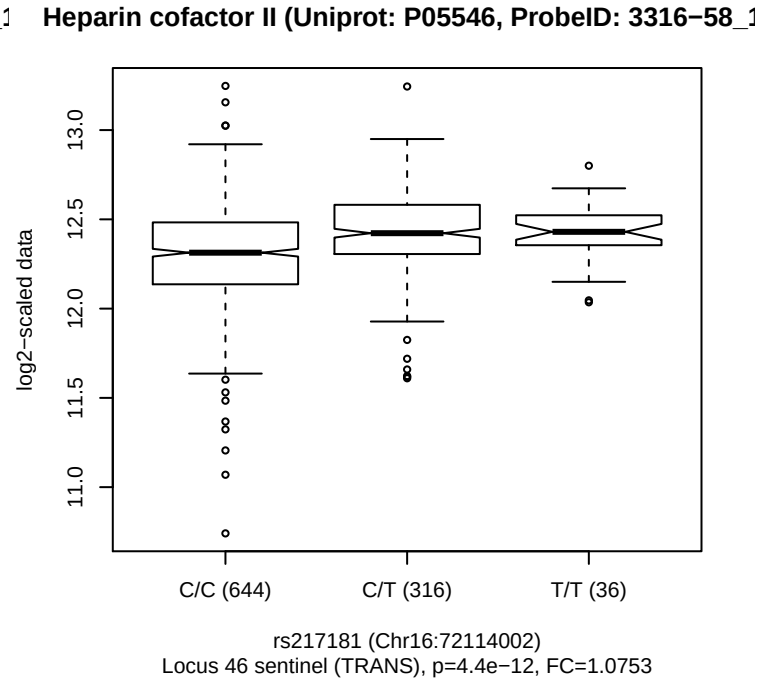

**Ferritin (Uniprot: P02794 P02792, ProbeID: 3031−66_1)**

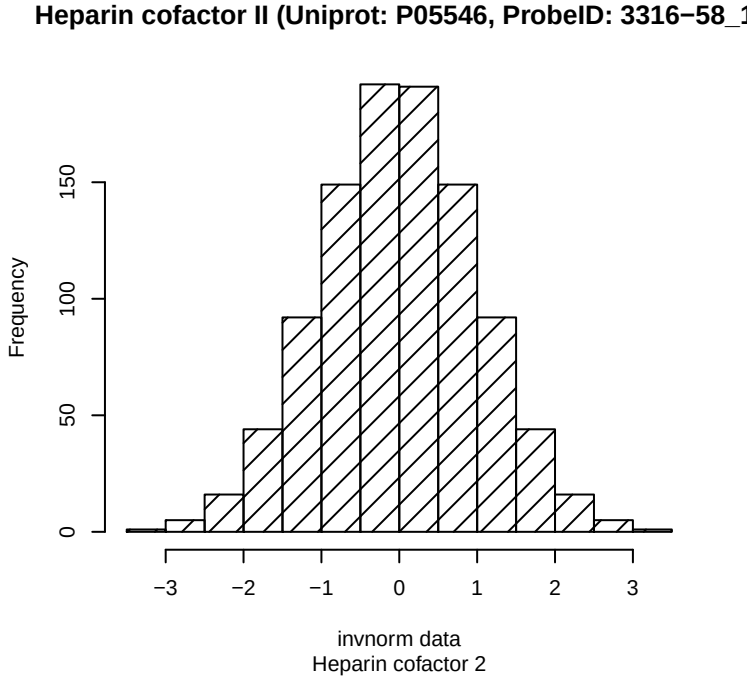


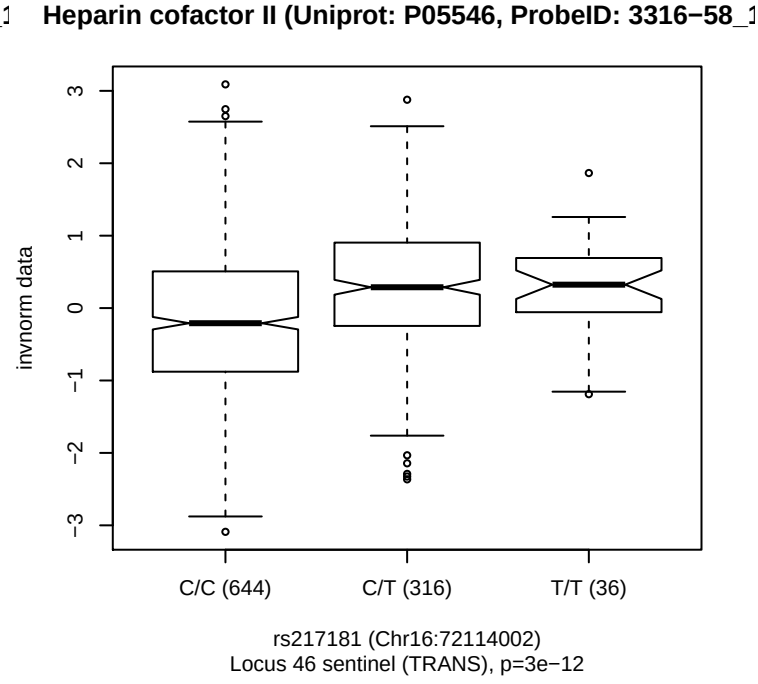

Heparin cofactor II (Uniprot: P05546, ProbeID: 3316−58_1
Frequency
0
100
200
300
400
2000
4000
6000
8000
10000
raw data
Heparin cofactor 2

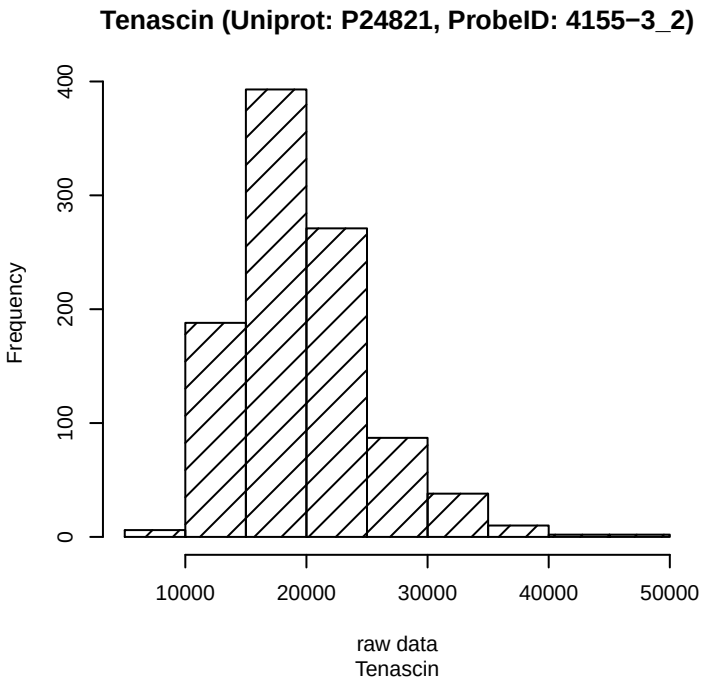

Heparin cofactor II (Uniprot: P05546, ProbeID: 3316−58_1
raw data
2000
4000
6000
8000
10000
C/C (644)
C/T (316)
T/T (36)
rs217181 (Chr16:72114002)
Locus 46 sentinel (TRANS), p=2.9e−11

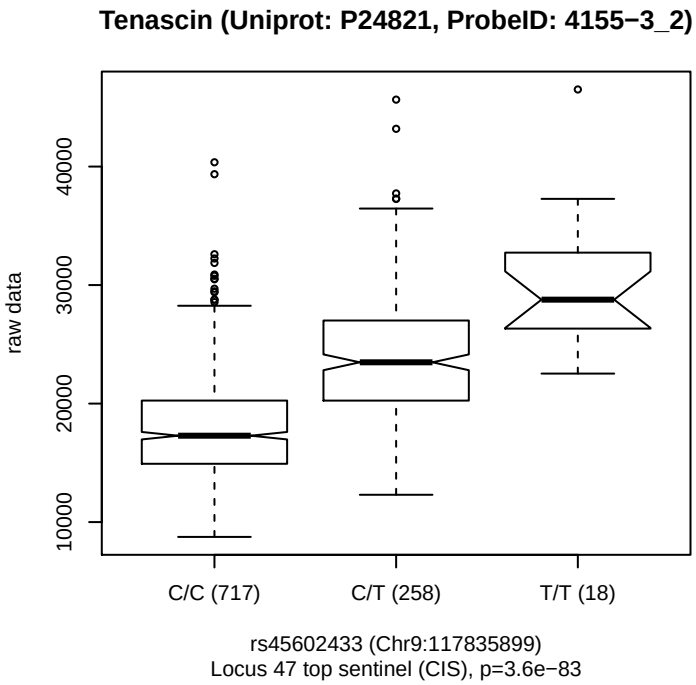

Heparin cofactor II (Uniprot: P05546, ProbeID: 3316−58_1
Frequency
0
50
100
150
200
250
300
10.5
11.0
11.5
12.0
12.5
13.0
13.5
log2−scaled data
Heparin cofactor 2

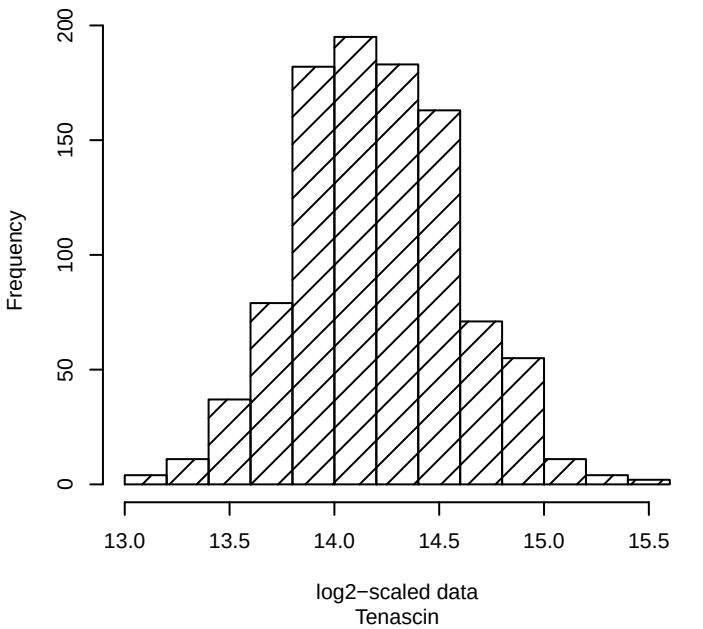

Heparin cofactor II (Uniprot: P05546, ProbeID: 3316−58_1
log2−scaled data
11.0
11.5
12.0
12.5
13.0
C/C (644)
C/T (316)
T/T (36)
rs217181 (Chr16:72114002)
Locus 46 sentinel (TRANS), p=4.4e−12, FC=1.0753

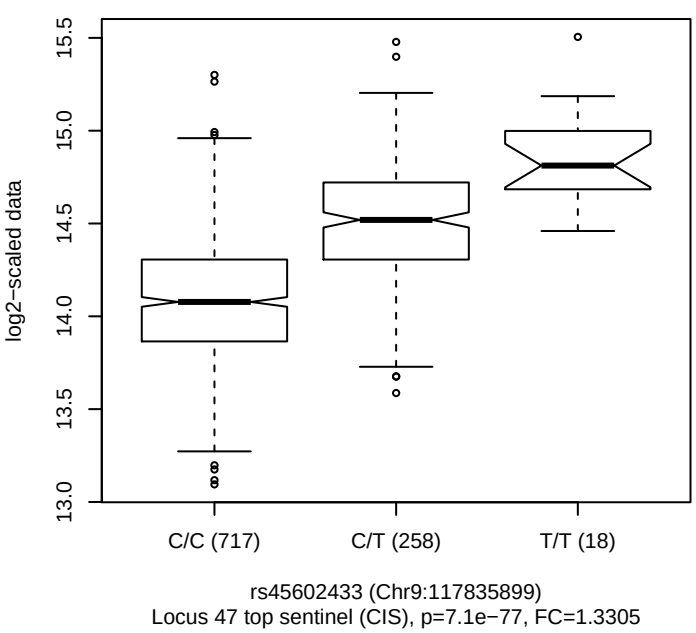

Heparin cofactor II (Uniprot: P05546, ProbeID: 3316−58_1
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Heparin cofactor 2

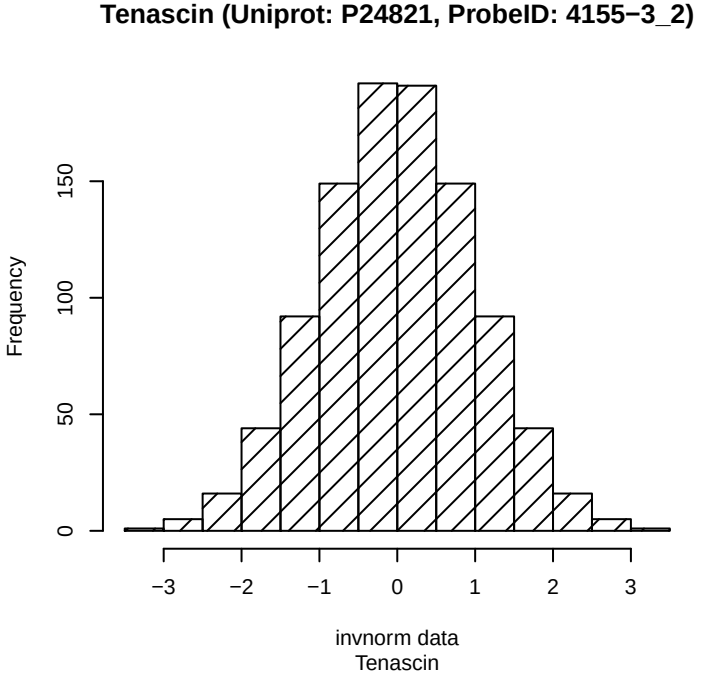

Heparin cofactor II (Uniprot: P05546, ProbeID: 3316−58_1
invnorm data
−3
−2
−1
0
1
2
3
C/C (644)
C/T (316)
T/T (36)
rs217181 (Chr16:72114002)
Locus 46 sentinel (TRANS), p=3e−12

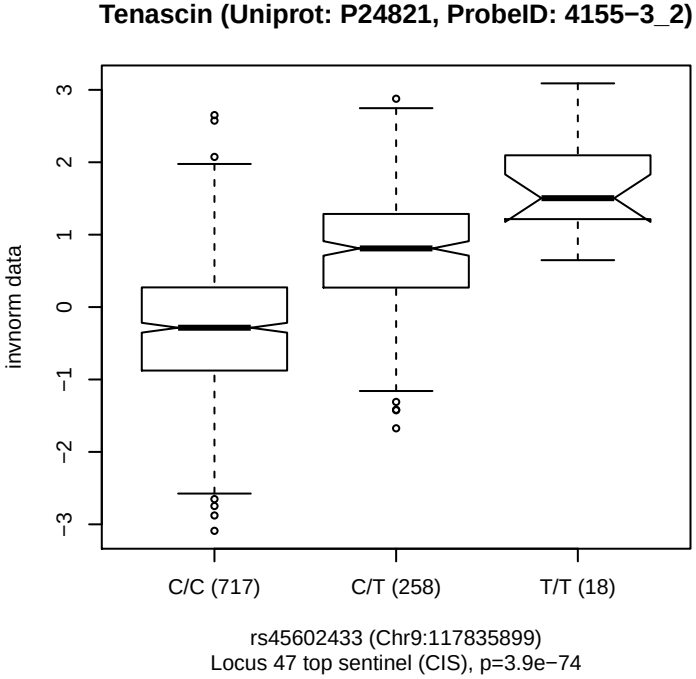

Tenascin (Uniprot: P24821, ProbeID: 4155−3_2)
Frequency
0
100
200
300
400
10000
20000
30000
40000
50000
raw data
Tenascin

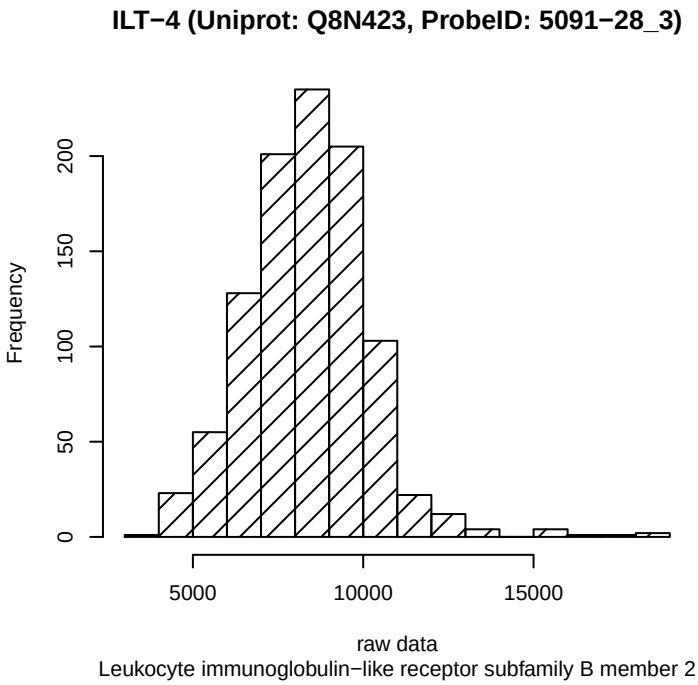

Tenascin (Uniprot: P24821, ProbeID: 4155−3_2)
raw data
10000
20000
30000
40000
C/C (717)
C/T (258)
T/T (18)
rs45602433 (Chr9:117835899)
Locus 47 top sentinel (CIS), p=3.6e−83

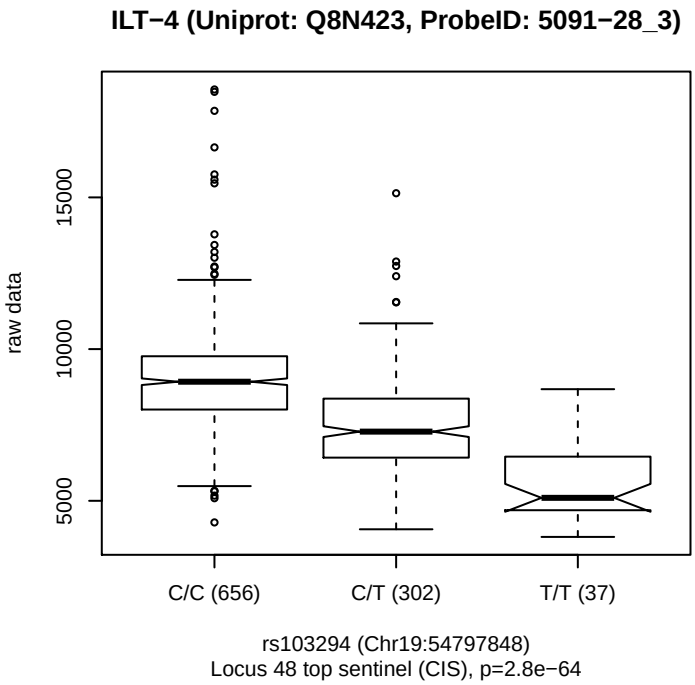

Tenascin (Uniprot: P24821, ProbeID: 4155−3_2)
Frequency
0
50
100
150
200
13.0
13.5
14.0
14.5
15.0
15.5
log2−scaled data
Tenascin

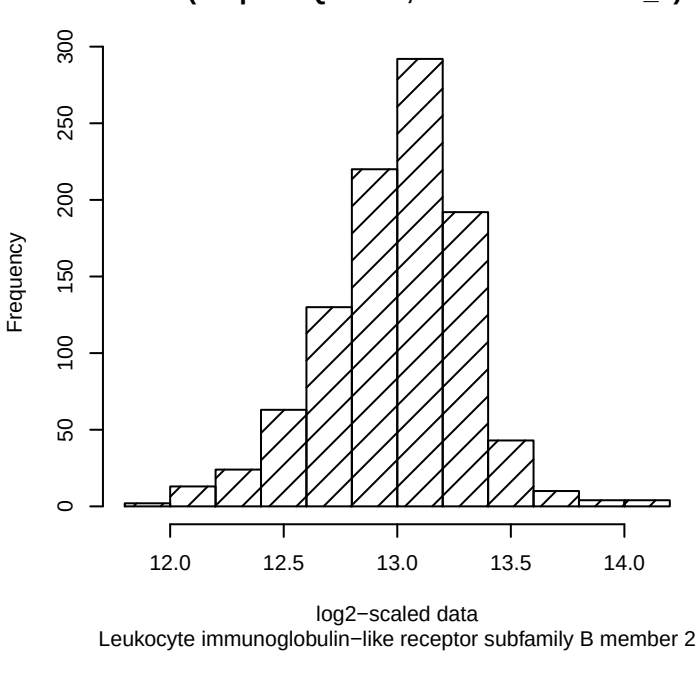

Tenascin (Uniprot: P24821, ProbeID: 4155−3_2)
log2−scaled data
13.0
13.5
14.0
14.5
15.0
15.5
C/C (717)
C/T (258)
T/T (18)
rs45602433 (Chr9:117835899)
Locus 47 top sentinel (CIS), p=7.1e−77, FC=1.3305

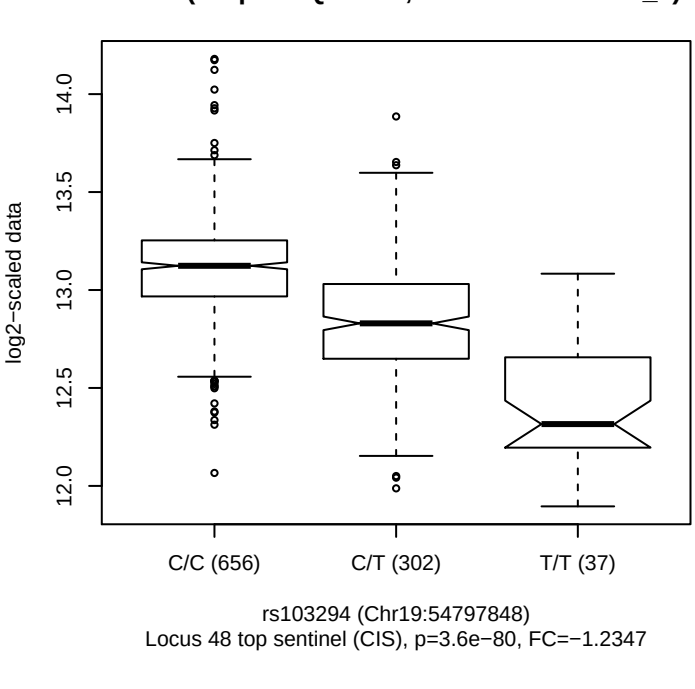

Tenascin (Uniprot: P24821, ProbeID: 4155−3_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Tenascin

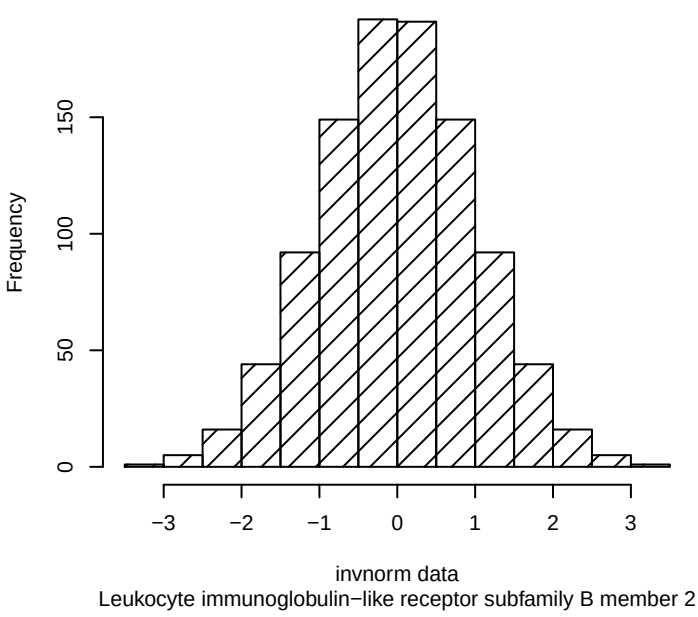

Tenascin (Uniprot: P24821, ProbeID: 4155−3_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (717)
C/T (258)
T/T (18)
rs45602433 (Chr9:117835899)
Locus 47 top sentinel (CIS), p=3.9e−74

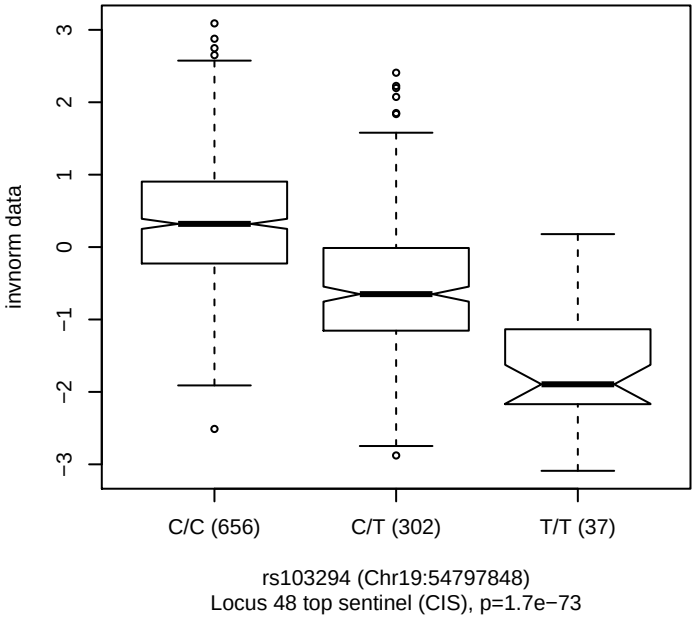

ILT−4 (Uniprot: Q8N423, ProbeID: 5091−28_3)
Frequency
0
50
100
150
200
5000
10000
15000
raw data
Leukocyte immunoglobulin−like receptor subfamily B member 2

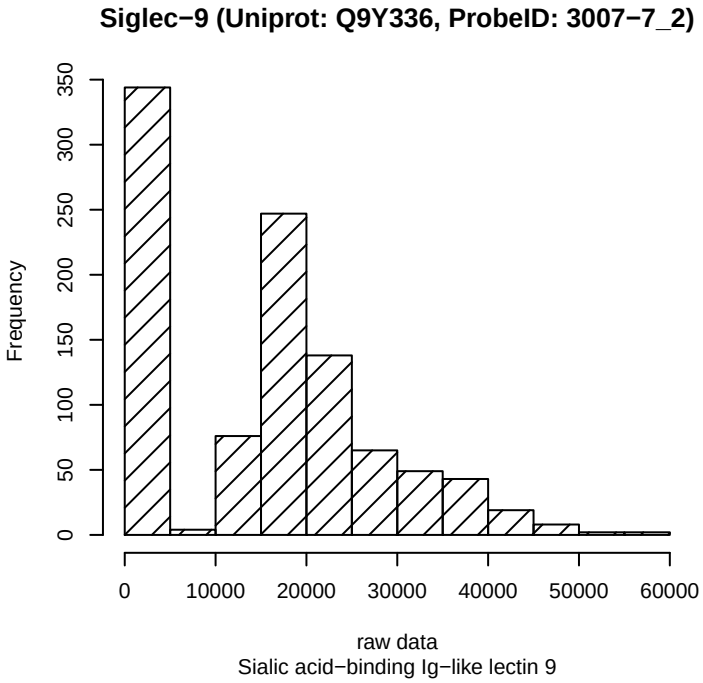

ILT−4 (Uniprot: Q8N423, ProbeID: 5091−28_3)
raw data
5000
10000
15000
C/C (656)
C/T (302)
T/T (37)
rs103294 (Chr19:54797848)
Locus 48 top sentinel (CIS), p=2.8e−64

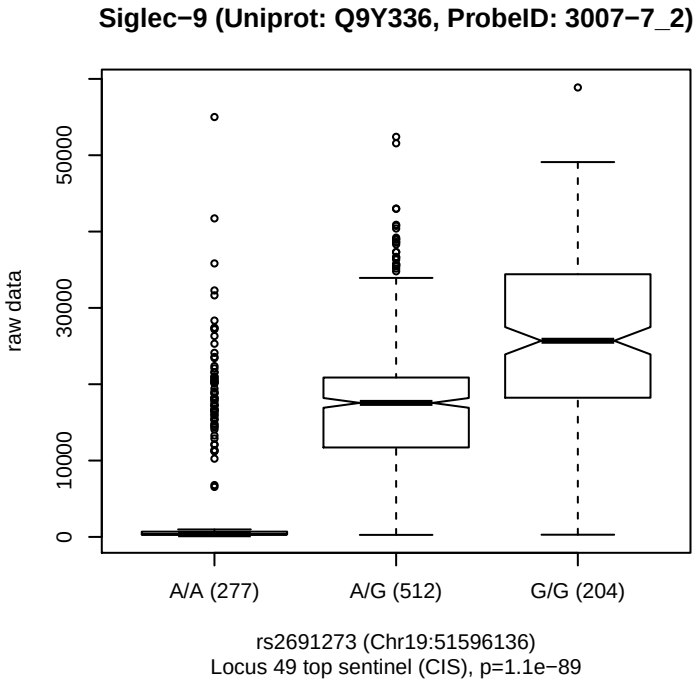

ILT−4 (Uniprot: Q8N423, ProbeID: 5091−28_3)
Frequency
0
50
100
150
200
250
300
12.0
12.5
13.0
13.5
14.0
log2−scaled data
Leukocyte immunoglobulin−like receptor subfamily B member 2

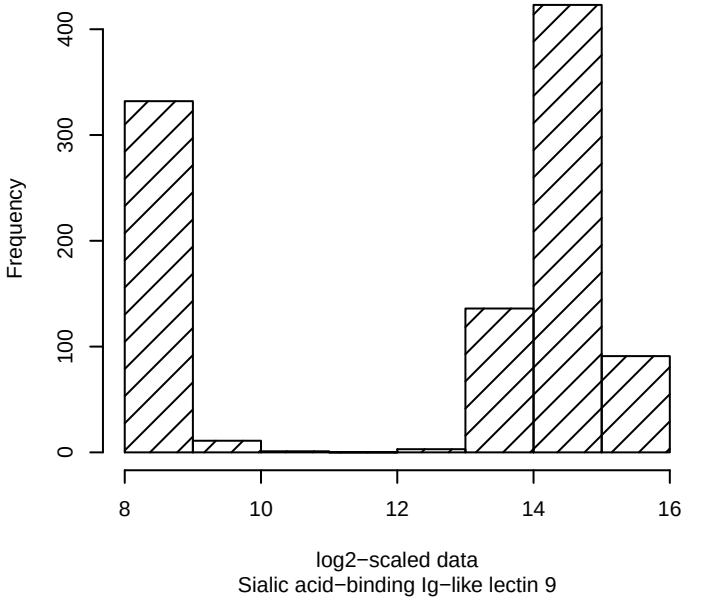

ILT−4 (Uniprot: Q8N423, ProbeID: 5091−28_3)
log2−scaled data
12.0
12.5
13.0
13.5
14.0
C/C (656)
C/T (302)
T/T (37)
rs103294 (Chr19:54797848)
Locus 48 top sentinel (CIS), p=3.6e−80, FC=−1.2347

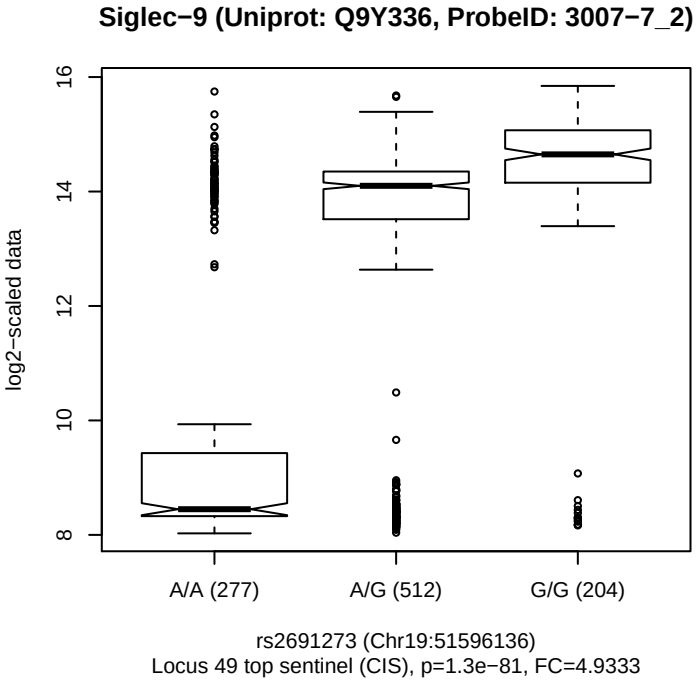

ILT−4 (Uniprot: Q8N423, ProbeID: 5091−28_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Leukocyte immunoglobulin−like receptor subfamily B member 2

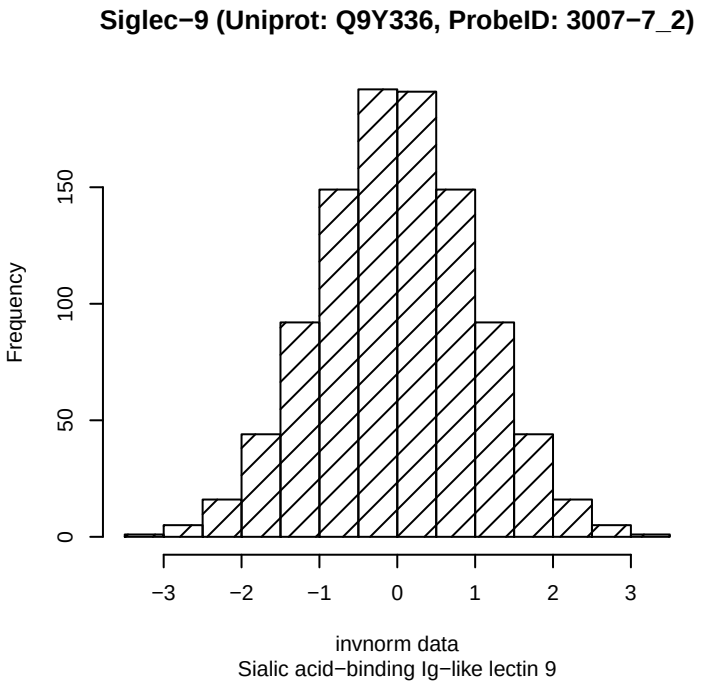

ILT−4 (Uniprot: Q8N423, ProbeID: 5091−28_3)
invnorm data
−3
−2
−1
0
1
2
3
C/C (656)
C/T (302)
T/T (37)
rs103294 (Chr19:54797848)
Locus 48 top sentinel (CIS), p=1.7e−73

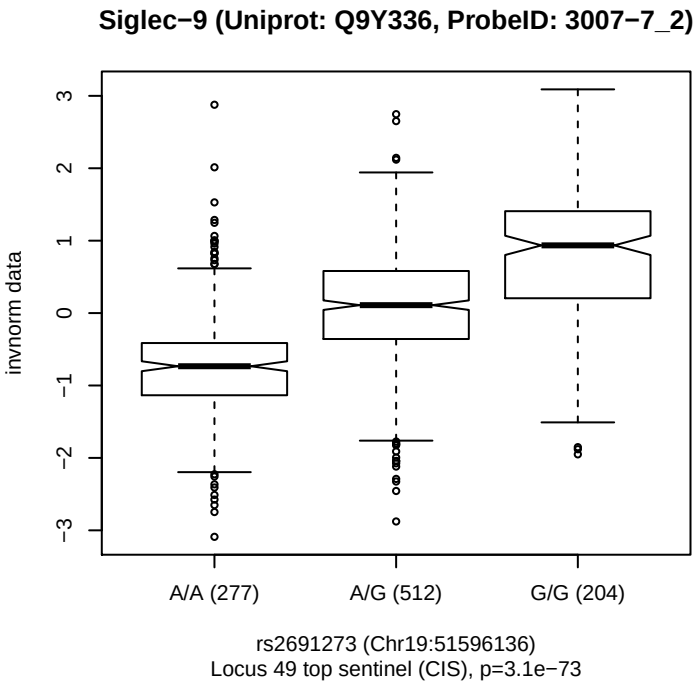

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
Frequency
0
50
100
150
200
250
300
350
0
10000
20000
30000
40000
50000
60000
raw data
Sialic acid−binding Ig−like lectin 9

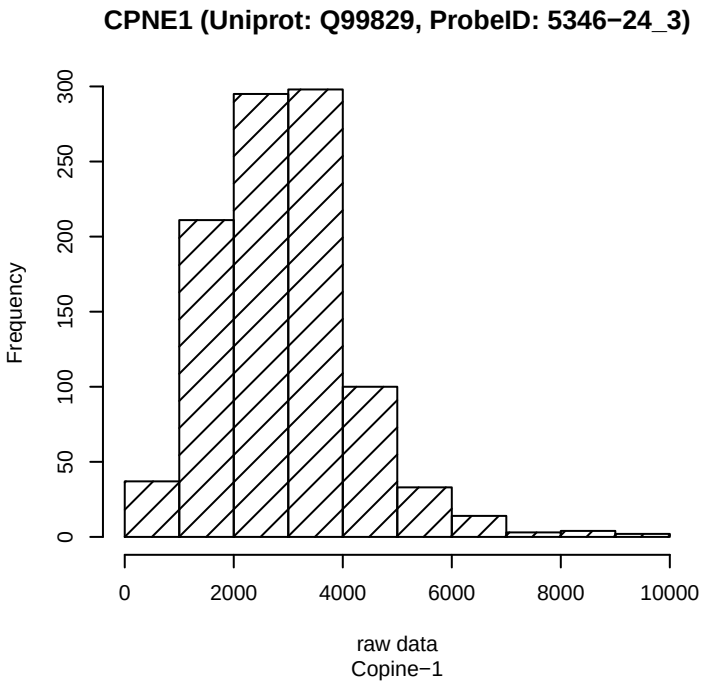

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
raw data
0
10000
30000
50000
A/A (277)
A/G (512)
G/G (204)
rs2691273 (Chr19:51596136)
Locus 49 top sentinel (CIS), p=1.1e−89

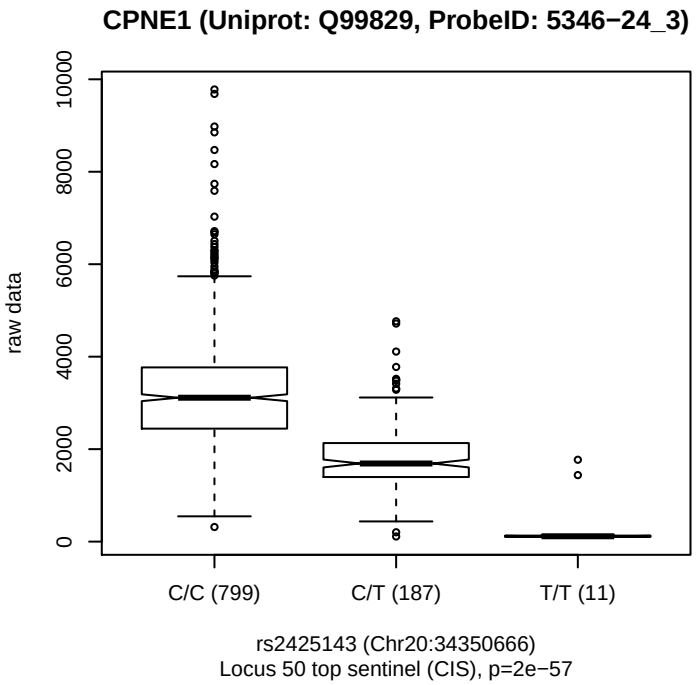

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
Frequency
0
100
200
300
400
8
10
12
14
16
log2−scaled data
Sialic acid−binding Ig−like lectin 9

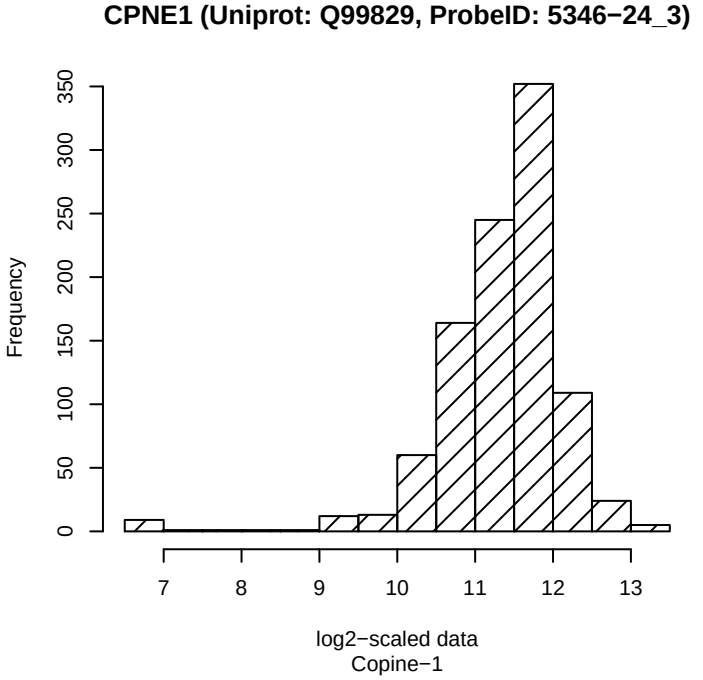

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
log2−scaled data
8
10
12
14
16
A/A (277)
A/G (512)
G/G (204)
rs2691273 (Chr19:51596136)
Locus 49 top sentinel (CIS), p=1.3e−81, FC=4.9333

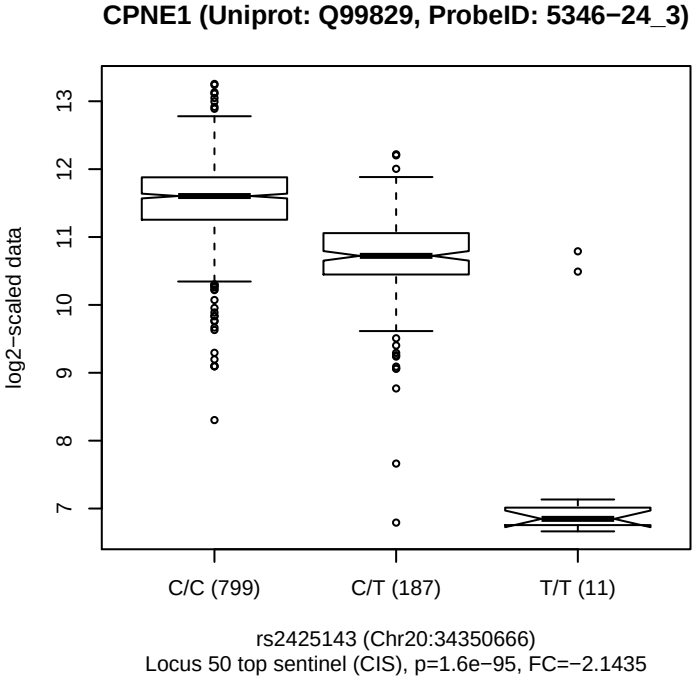

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Sialic acid−binding Ig−like lectin 9

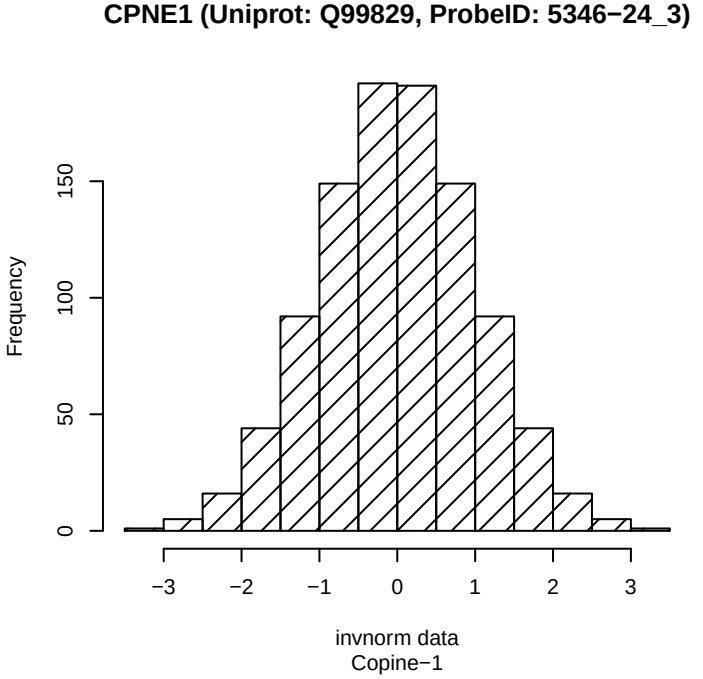

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (277)
A/G (512)
G/G (204)
rs2691273 (Chr19:51596136)
Locus 49 top sentinel (CIS), p=3.1e−73

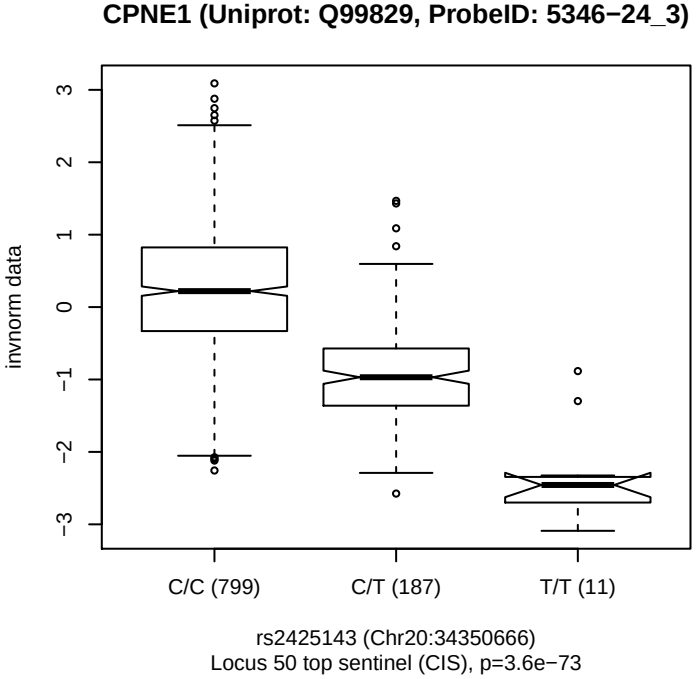

CPNE1 (Uniprot: Q99829, ProbeID: 5346−24_3)
Frequency
raw data
Copine−1


CPNE1 (Uniprot: Q99829, ProbeID: 5346−24_3)
raw data
C/C (799)
C/T (187)
T/T (11)
rs2425143 (Chr20:34350666)
Locus 50 top sentinel (CIS), p=2e−57

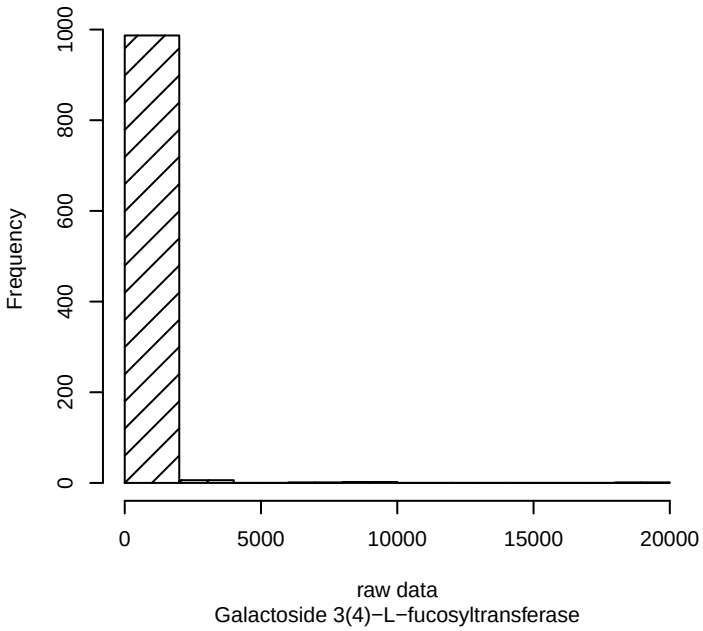

CPNE1 (Uniprot: Q99829, ProbeID: 5346−24_3)
Frequency
log2−scaled data
Copine−1


CPNE1 (Uniprot: Q99829, ProbeID: 5346−24_3)
log2−scaled data
C/C (799)
C/T (187)
T/T (11)
rs2425143 (Chr20:34350666)
Locus 50 top sentinel (CIS), p=1.6e−95, FC=−2.1435

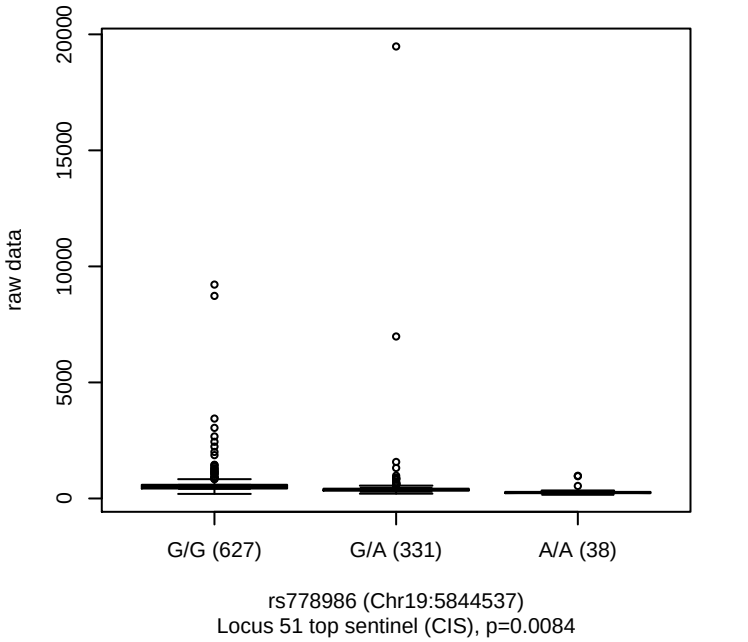

CPNE1 (Uniprot: Q99829, ProbeID: 5346−24_3)
Frequency
invnorm data
Copine−1


CPNE1 (Uniprot: Q99829, ProbeID: 5346−24_3)
invnorm data
C/C (799)
C/T (187)
T/T (11)
rs2425143 (Chr20:34350666)
Locus 50 top sentinel (CIS), p=3.6e−73

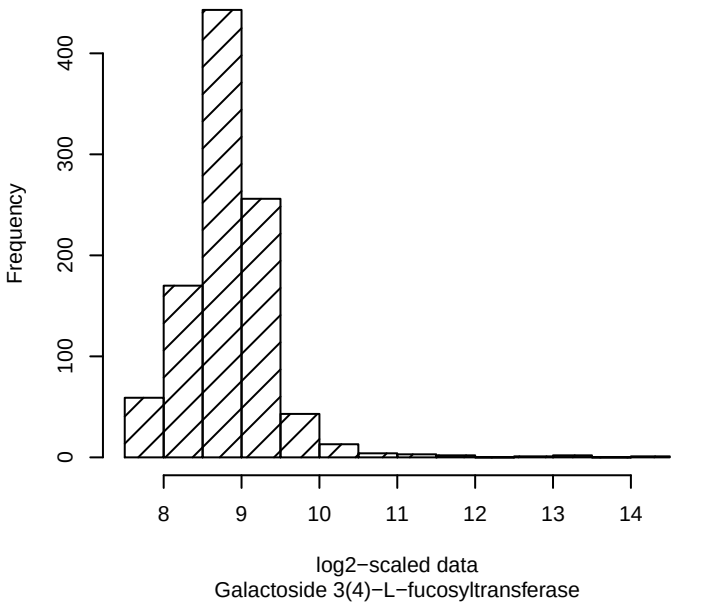
**Fucosyltransferase 3 (Uniprot: P21217, ProbeID: 4548−4_**



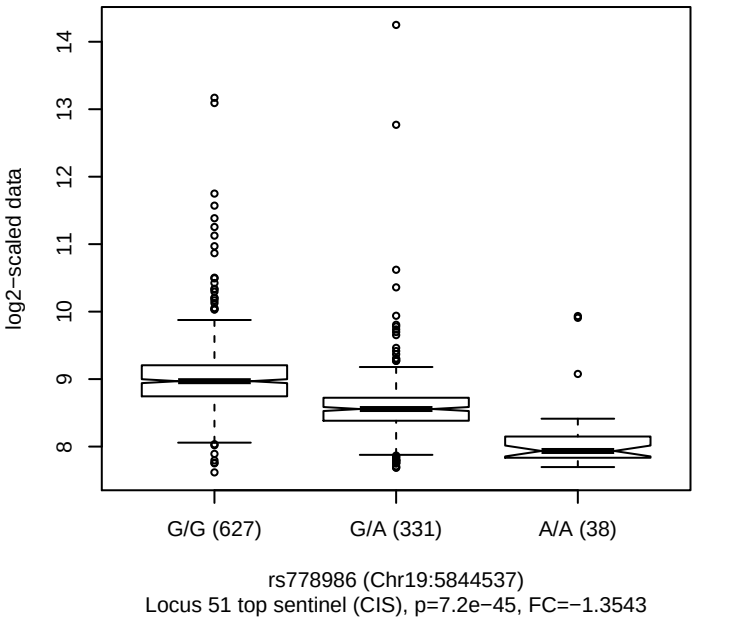

**Fucosyltransferase 3 (Uniprot: P21217, ProbeID: 4548−4_**



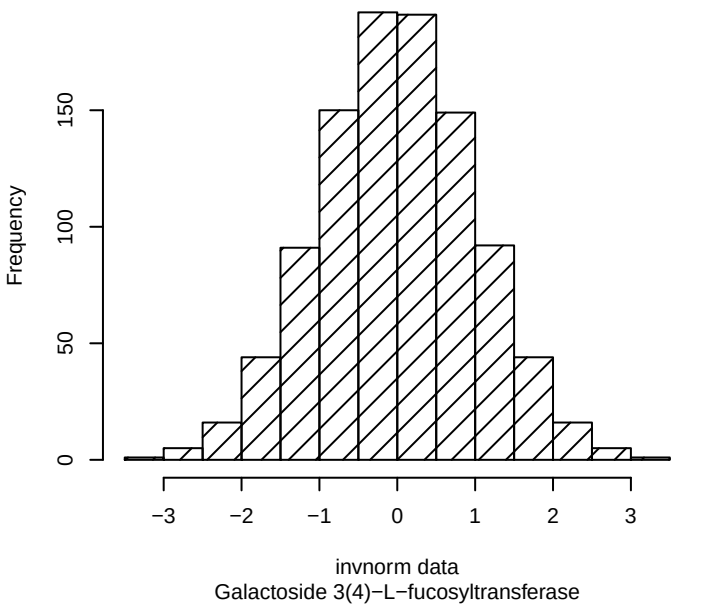

**Fucosyltransferase 3 (Uniprot: P21217, ProbeID: 4548−4_**



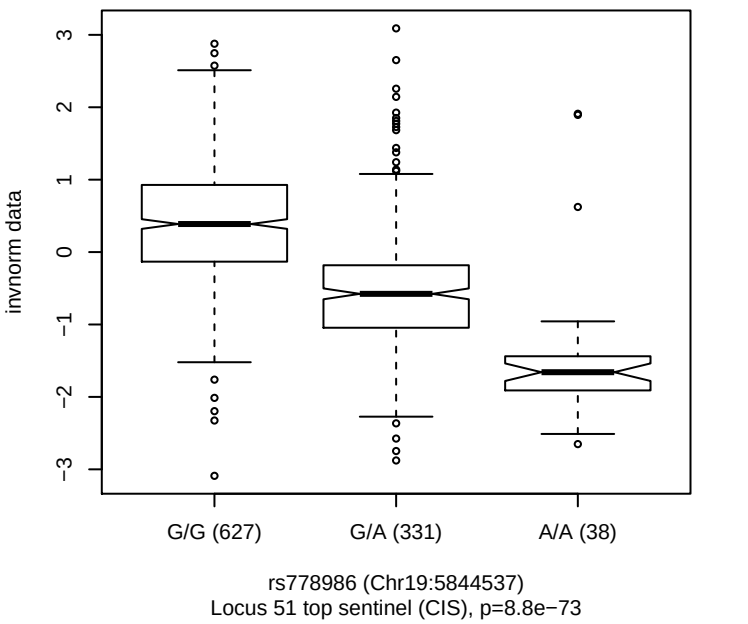

**Fucosyltransferase 3 (Uniprot: P21217, ProbeID: 4548−4_**

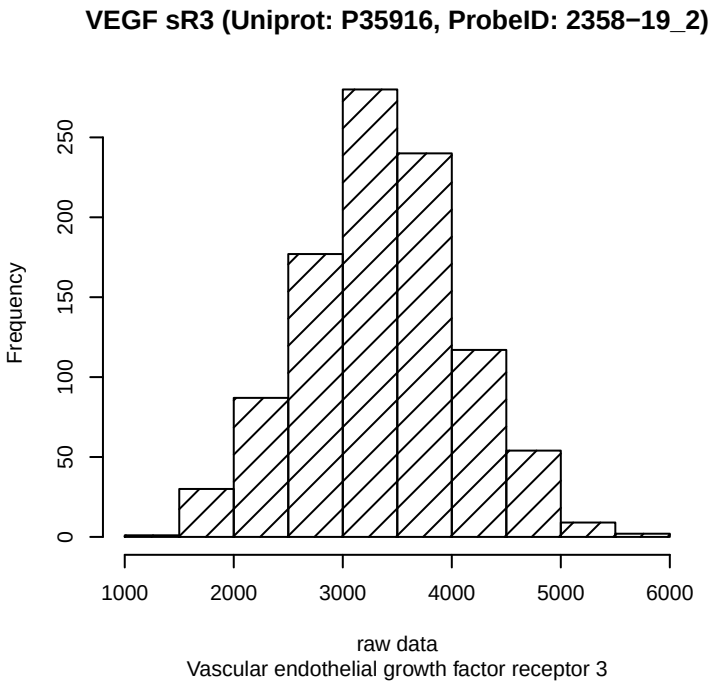


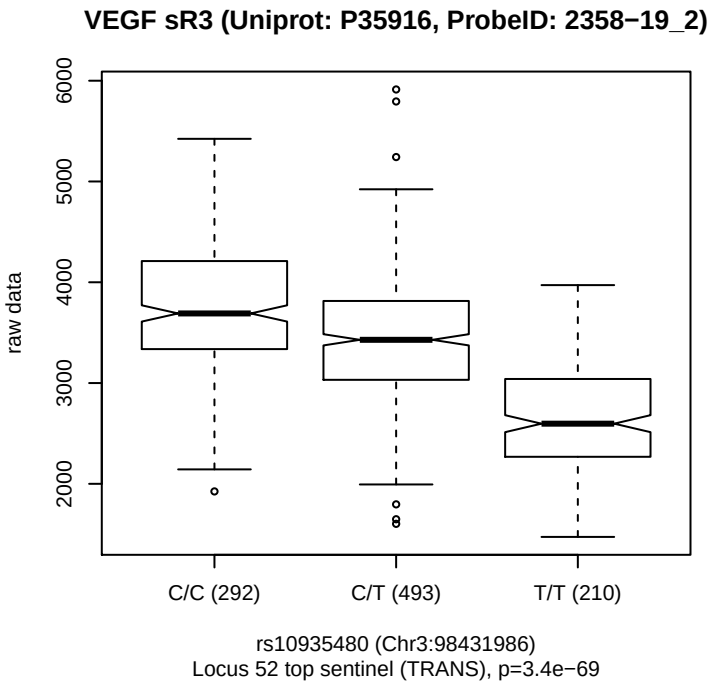

**Fucosyltransferase 3 (Uniprot: P21217, ProbeID: 4548−4_**

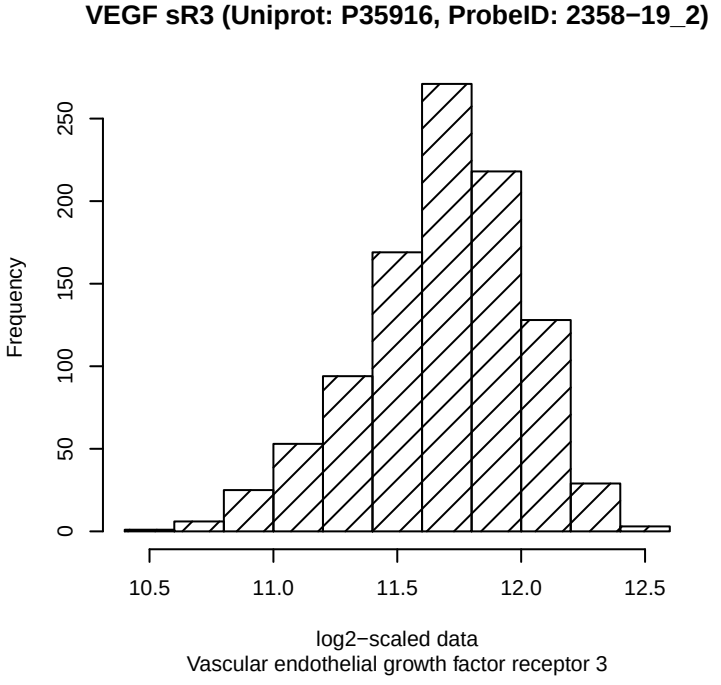


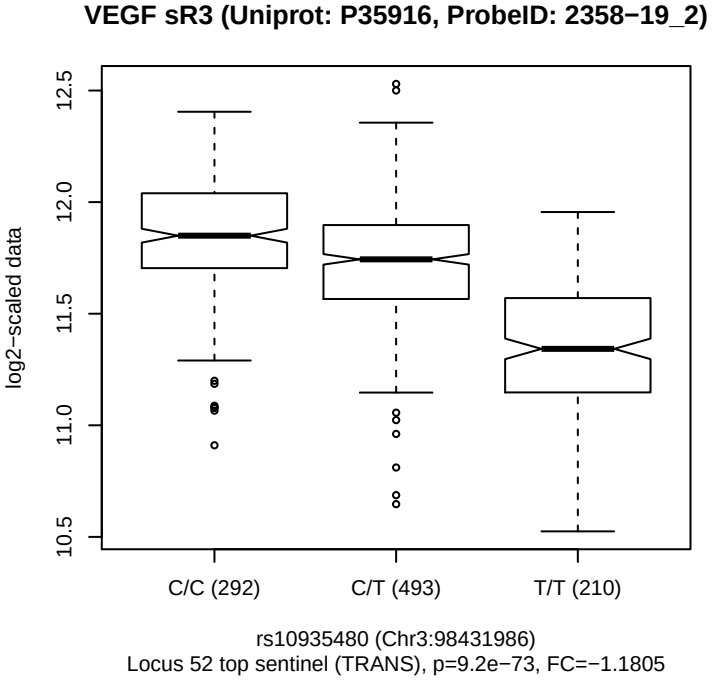

**Fucosyltransferase 3 (Uniprot: P21217, ProbeID: 4548−4_**

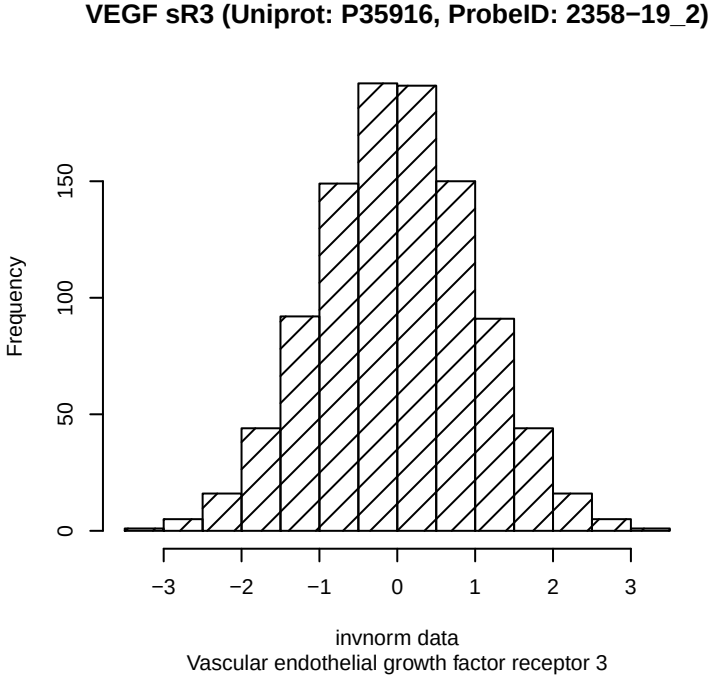


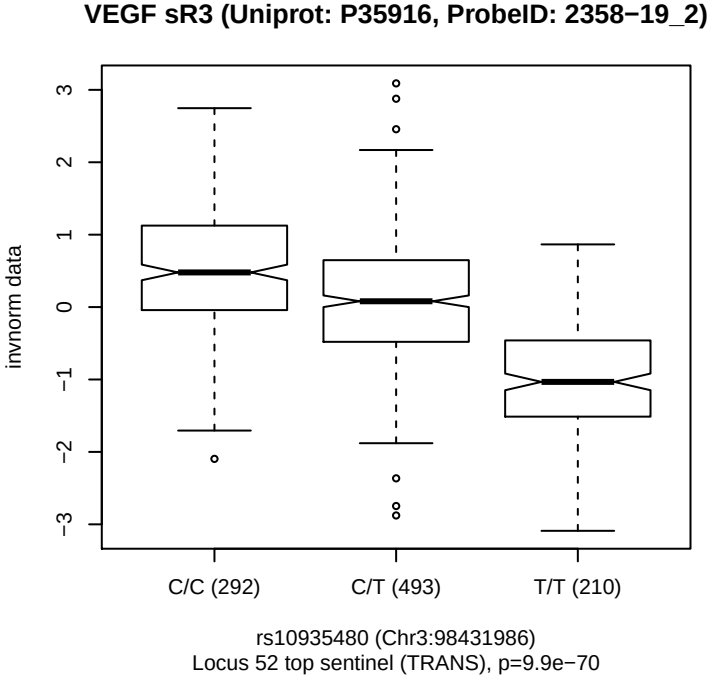

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
Frequency
0
50
100
150
200
250
1000
2000
3000
4000
5000
6000
raw data
Vascular endothelial growth factor receptor 3

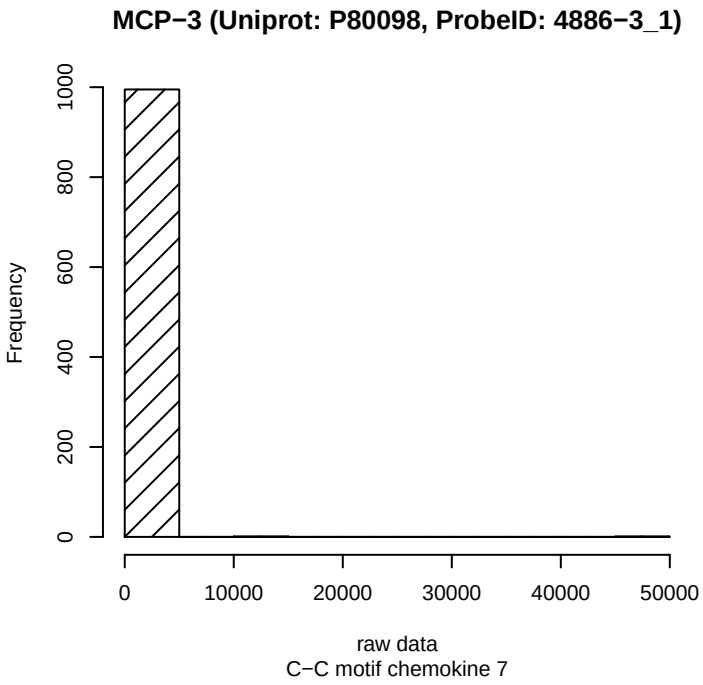

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
raw data
2000
3000
4000
5000
6000
C/C (292)
C/T (493)
T/T (210)
rs10935480 (Chr3:98431986)
Locus 52 top sentinel (TRANS), p=3.4e−69

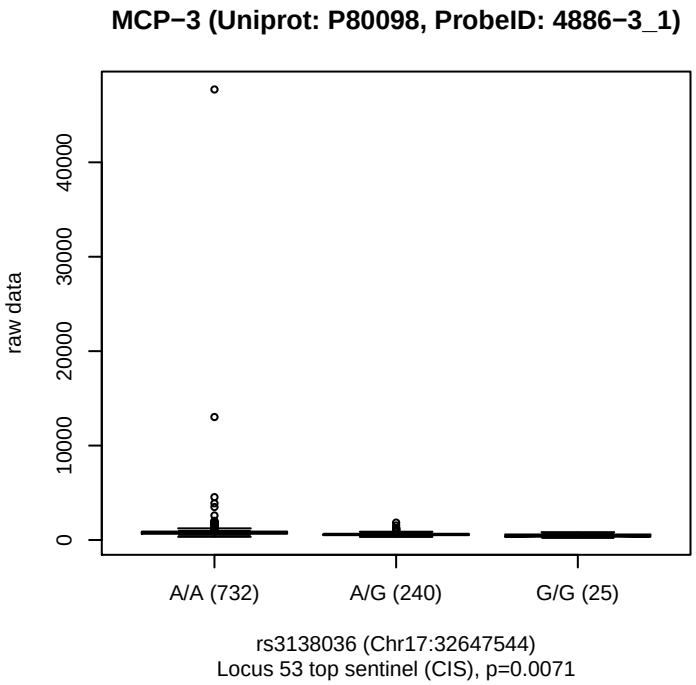

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
Frequency
0
50
100
150
200
250
10.5
11.0
11.5
12.0
12.5
log2−scaled data
Vascular endothelial growth factor receptor 3

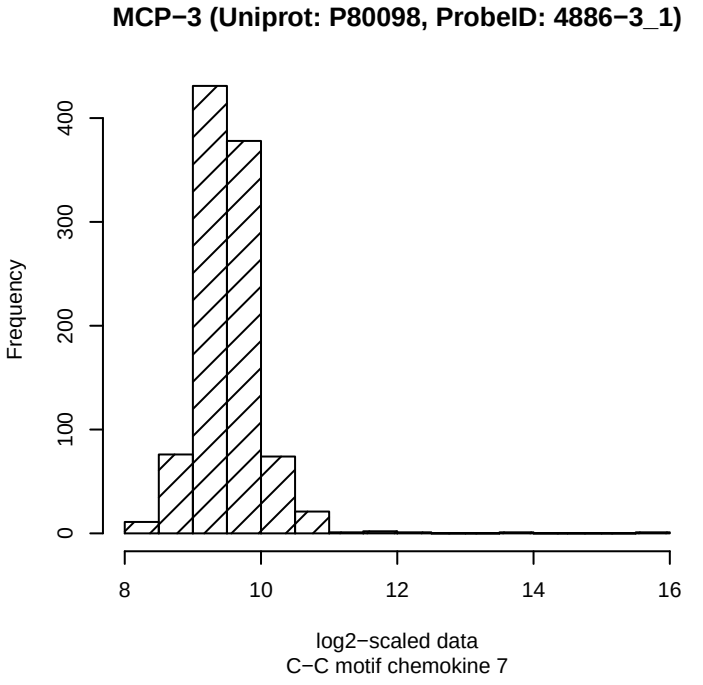

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
log2−scaled data
10.5
11.0
11.5
12.0
12.5
C/C (292)
C/T (493)
T/T (210)
rs10935480 (Chr3:98431986)
Locus 52 top sentinel (TRANS), p=9.2e−73, FC=−1.1805

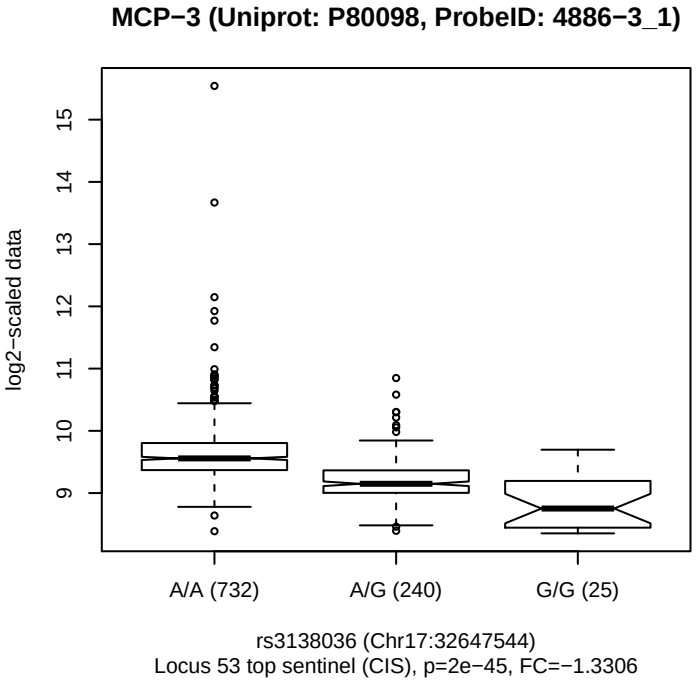

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Vascular endothelial growth factor receptor 3

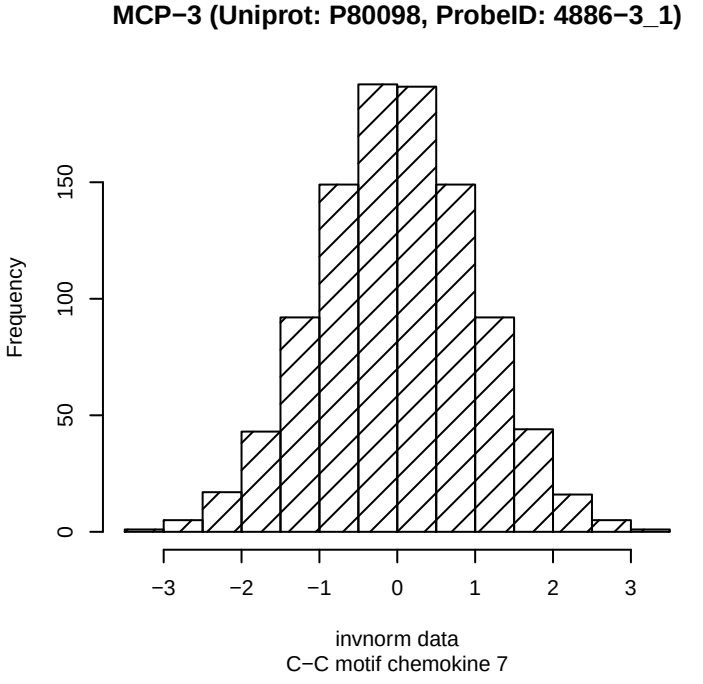

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (292)
C/T (493)
T/T (210)
rs10935480 (Chr3:98431986)
Locus 52 top sentinel (TRANS), p=9.9e−70

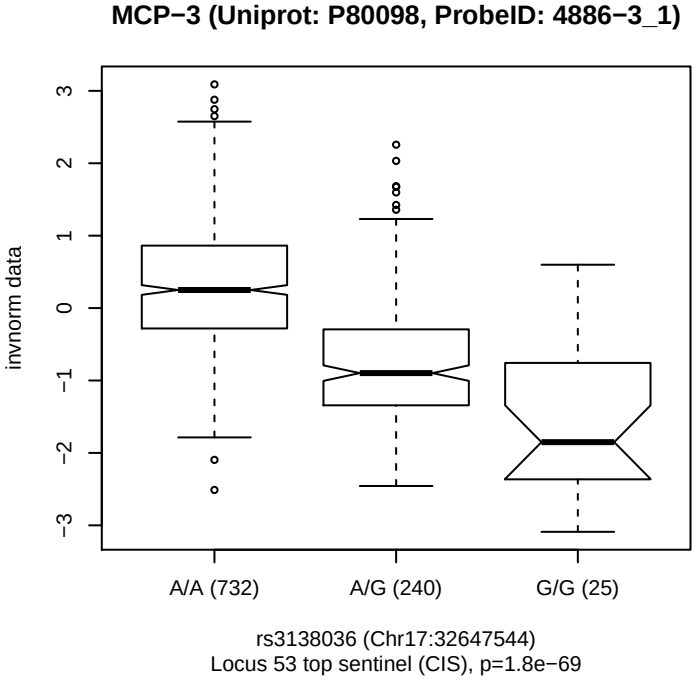

MCP−3 (Uniprot: P80098, ProbeID: 4886−3_1)
Frequency
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
raw data
C−C motif chemokine 7

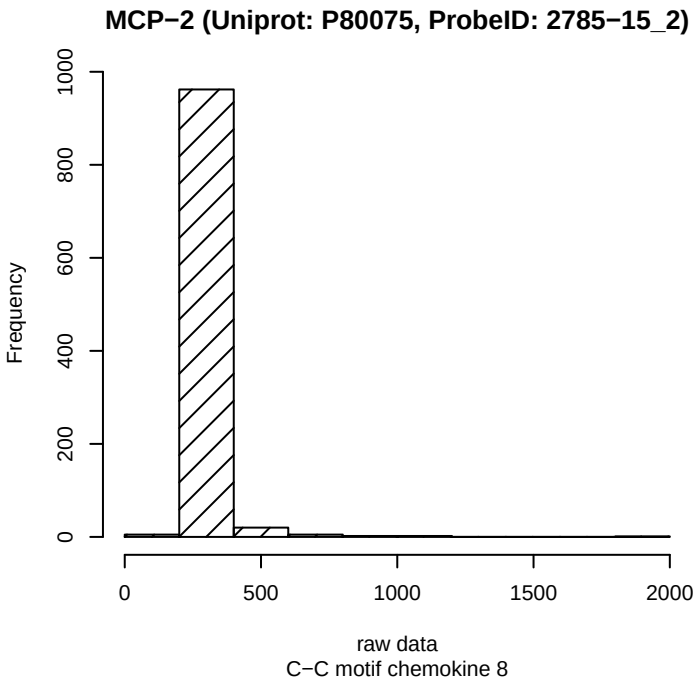

MCP−3 (Uniprot: P80098, ProbeID: 4886−3_1)
raw data
0
10000
20000
30000
40000
A/A (732)
A/G (240)
G/G (25)
rs3138036 (Chr17:32647544)
Locus 53 top sentinel (CIS), p=0.0071

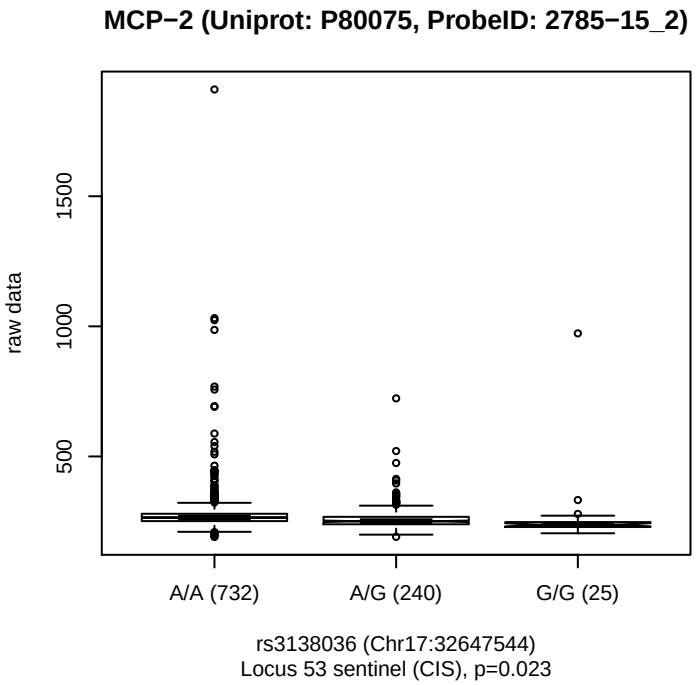

MCP−3 (Uniprot: P80098, ProbeID: 4886−3_1)
Frequency
0
100
200
300
400
8
10
12
14
16
log2−scaled data
C−C motif chemokine 7

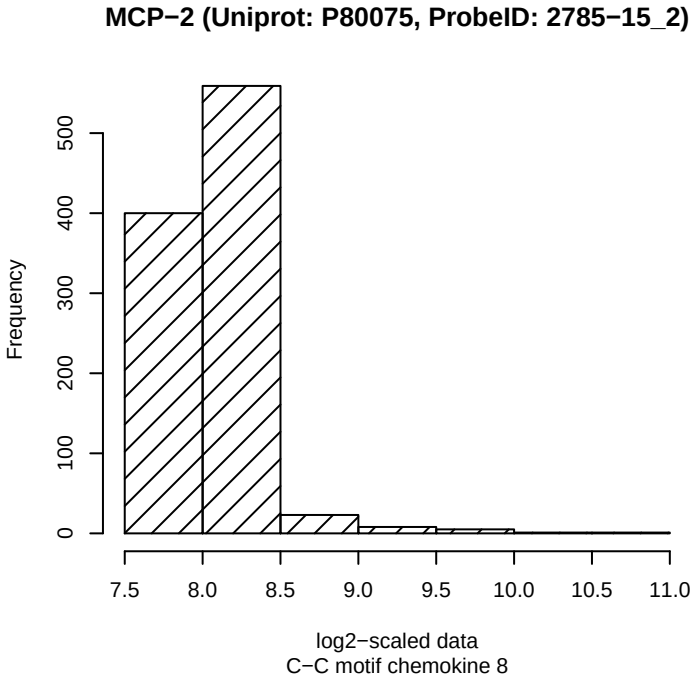

MCP−3 (Uniprot: P80098, ProbeID: 4886−3_1)
log2−scaled data
9
10
11
12
13
14
15
A/A (732)
A/G (240)
G/G (25)
rs3138036 (Chr17:32647544)
Locus 53 top sentinel (CIS), p=2e−45, FC=−1.3306

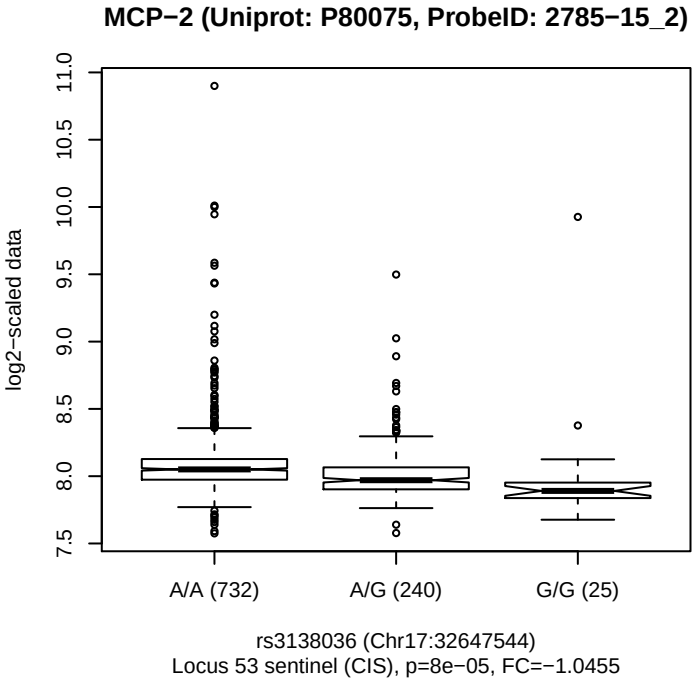

MCP−3 (Uniprot: P80098, ProbeID: 4886−3_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 7

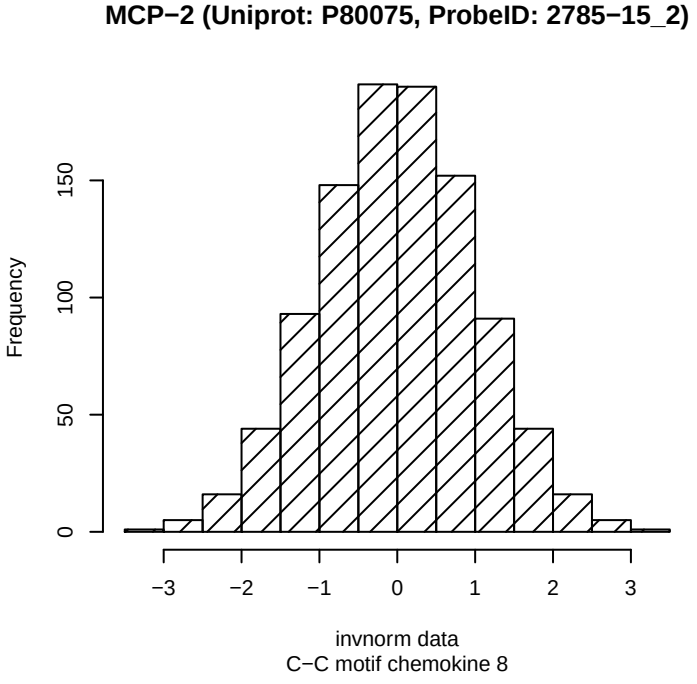

MCP−3 (Uniprot: P80098, ProbeID: 4886−3_1)
invnorm data
−3
−2
−1
0
1
2
3
A/A (732)
A/G (240)
G/G (25)
rs3138036 (Chr17:32647544)
Locus 53 top sentinel (CIS), p=1.8e−69

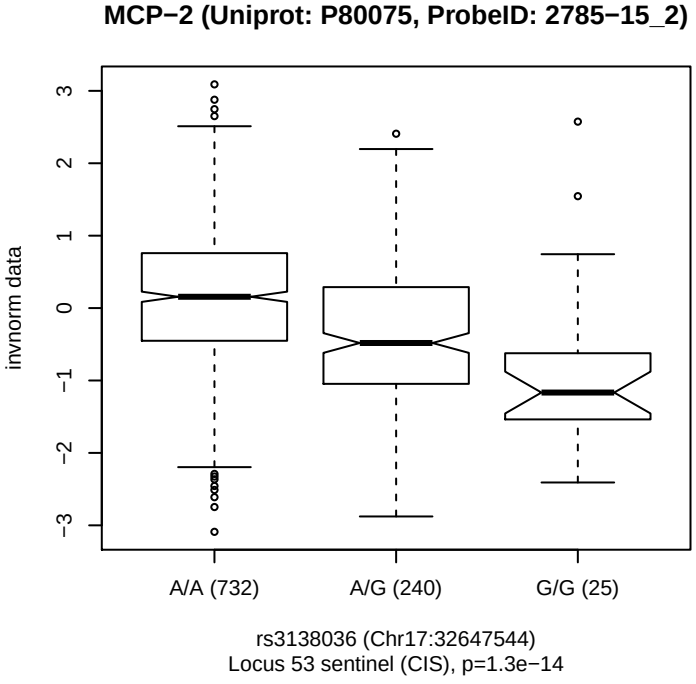

MCP−2 (Uniprot: P80075, ProbeID: 2785−15_2)
Frequency
0
200
400
600
800
1000
0
500
1000
1500
2000
raw data
C−C motif chemokine 8

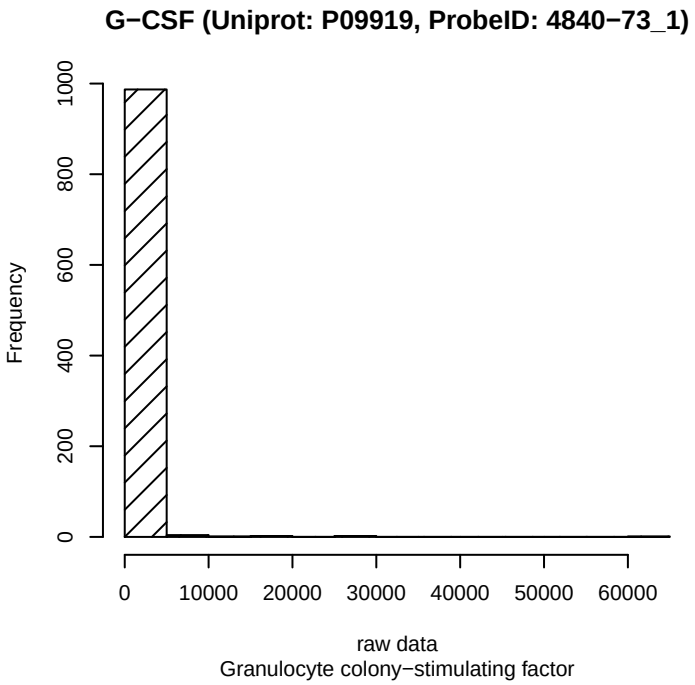

MCP−2 (Uniprot: P80075, ProbeID: 2785−15_2)
raw data
500
1000
1500
A/A (732)
A/G (240)
G/G (25)
rs3138036 (Chr17:32647544)
Locus 53 sentinel (CIS), p=0.023

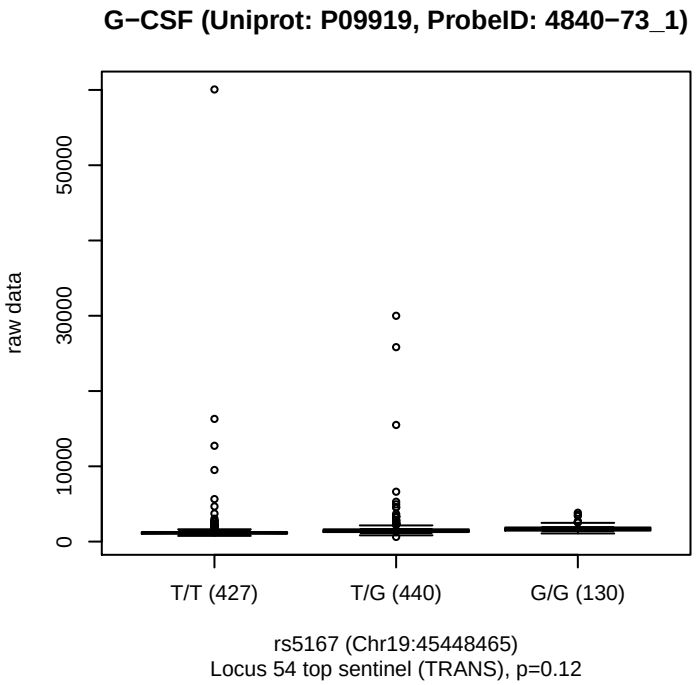

MCP−2 (Uniprot: P80075, ProbeID: 2785−15_2)
Frequency
0
100
200
300
400
500
7.5
8.0
8.5
9.0
9.5
10.0
10.5
11.0
log2−scaled data
C−C motif chemokine 8

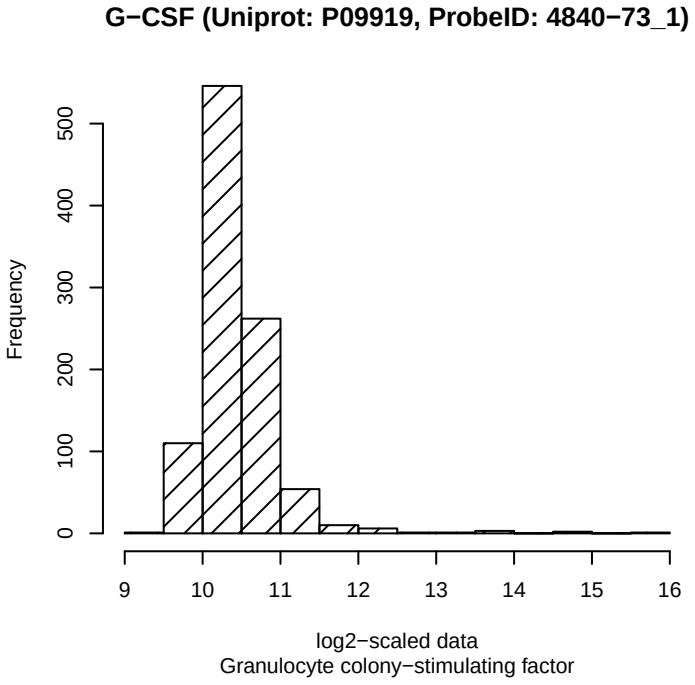

MCP−2 (Uniprot: P80075, ProbeID: 2785−15_2)
log2−scaled data
7.5
8.0
8.5
9.0
9.5
10.0
10.5
11.0
A/A (732)
A/G (240)
G/G (25)
rs3138036 (Chr17:32647544)
Locus 53 sentinel (CIS), p=8e−05, FC=−1.0455

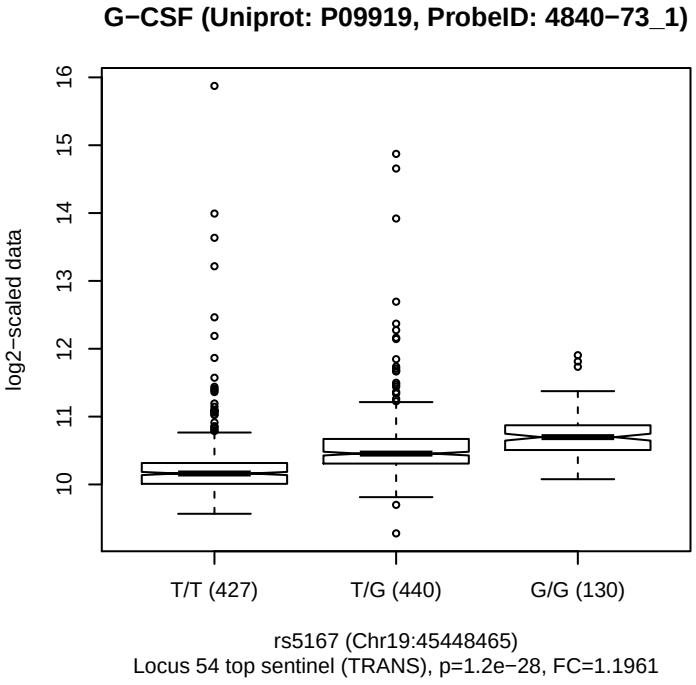

MCP−2 (Uniprot: P80075, ProbeID: 2785−15_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 8

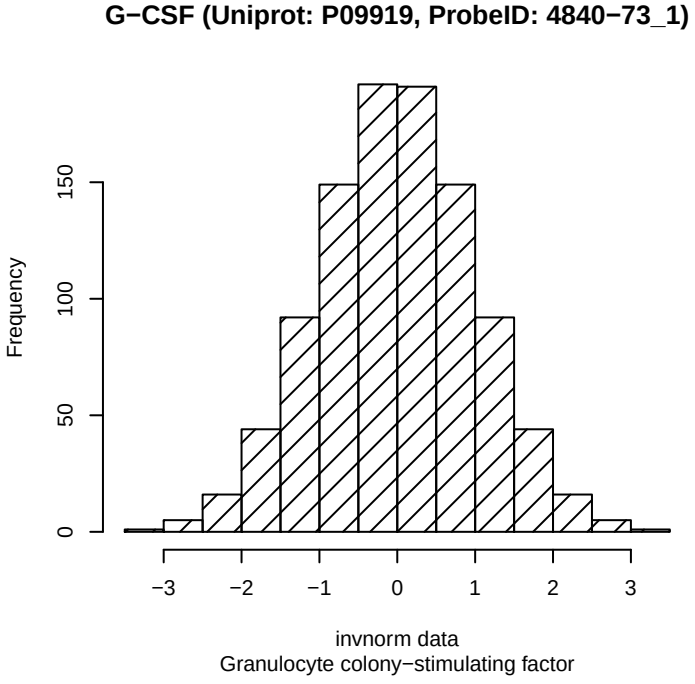

MCP−2 (Uniprot: P80075, ProbeID: 2785−15_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (732)
A/G (240)
G/G (25)
rs3138036 (Chr17:32647544)
Locus 53 sentinel (CIS), p=1.3e−14

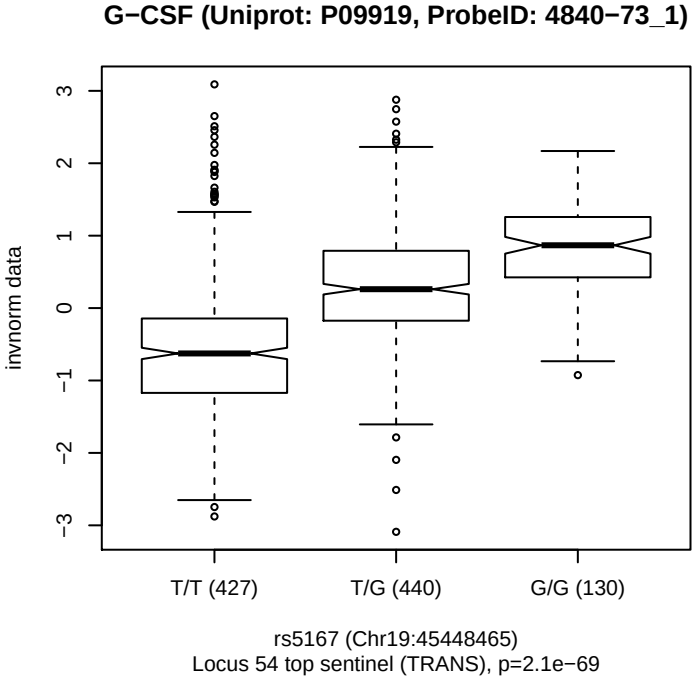

G−CSF (Uniprot: P09919, ProbeID: 4840−73_1)
Frequency
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000
raw data
Granulocyte colony−stimulating factor

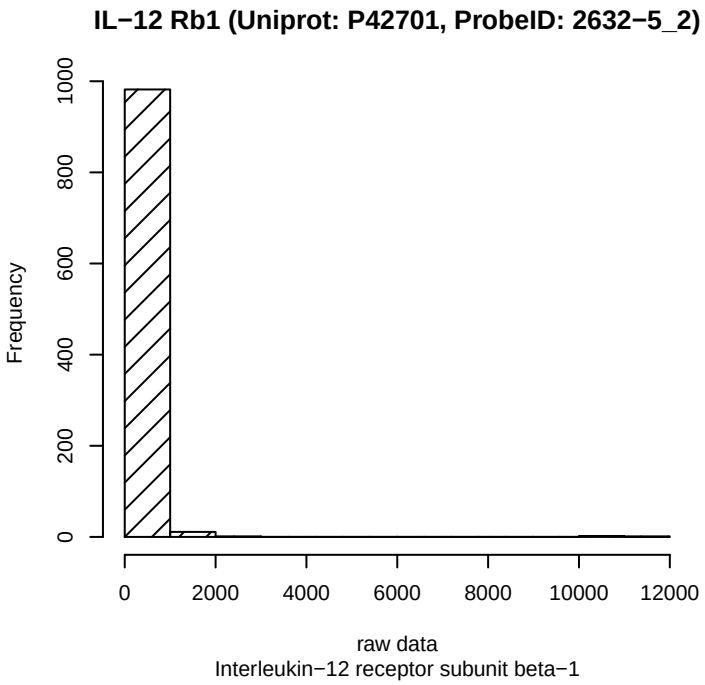

G−CSF (Uniprot: P09919, ProbeID: 4840−73_1)
raw data
0
10000
30000
50000
T/T (427)
T/G (440)
G/G (130)
rs5167 (Chr19:45448465)
Locus 54 top sentinel (TRANS), p=0.12

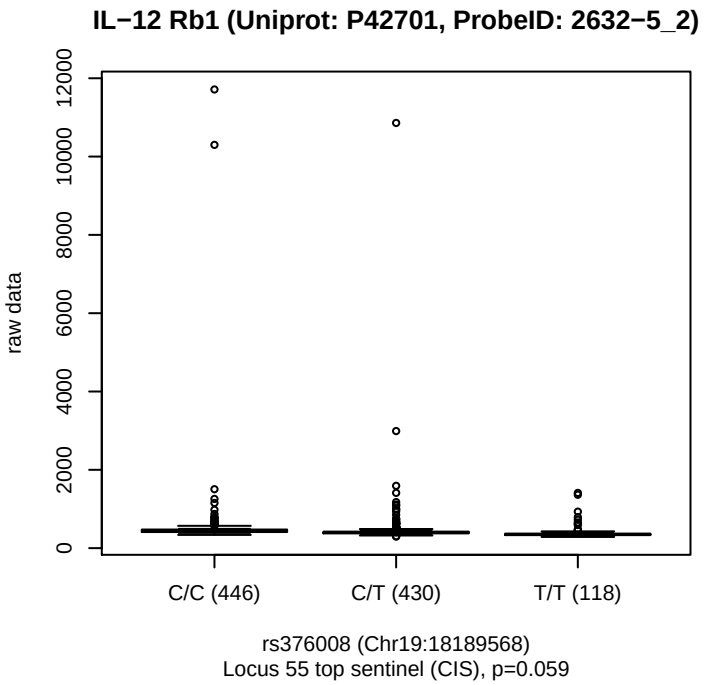

G−CSF (Uniprot: P09919, ProbeID: 4840−73_1)
Frequency
0
100
200
300
400
500
9
10
11
12
13
14
15
16
log2−scaled data
Granulocyte colony−stimulating factor

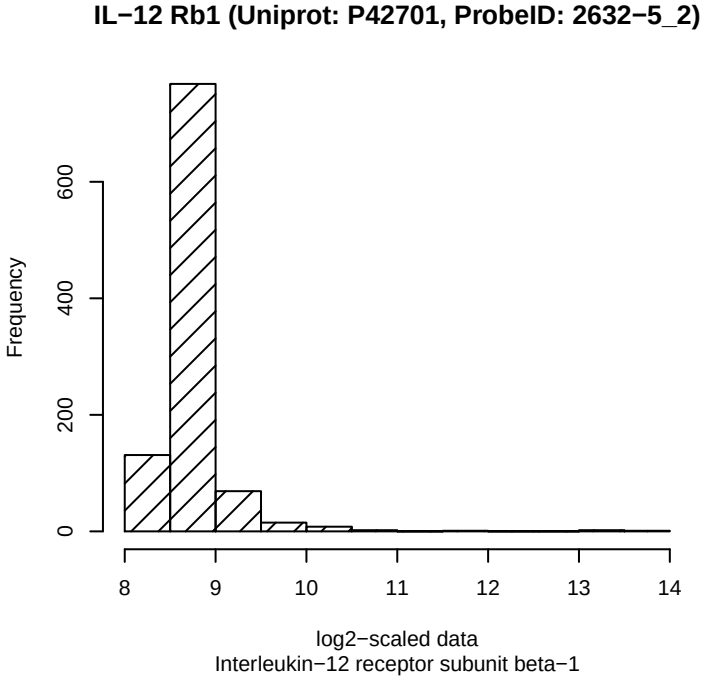

G−CSF (Uniprot: P09919, ProbeID: 4840−73_1)
log2−scaled data
10
11
12
13
14
15
16
T/T (427)
T/G (440)
G/G (130)
rs5167 (Chr19:45448465)
Locus 54 top sentinel (TRANS), p=1.2e−28, FC=1.1961

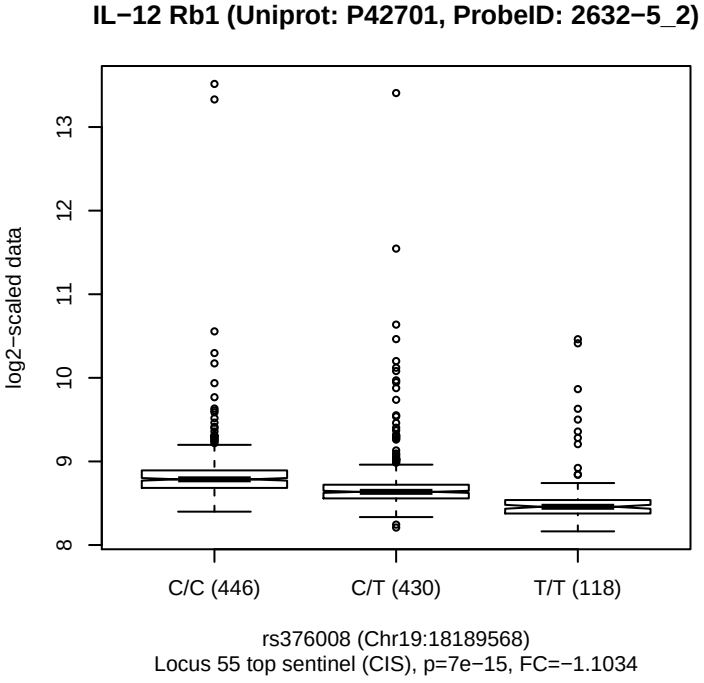

G−CSF (Uniprot: P09919, ProbeID: 4840−73_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Granulocyte colony−stimulating factor

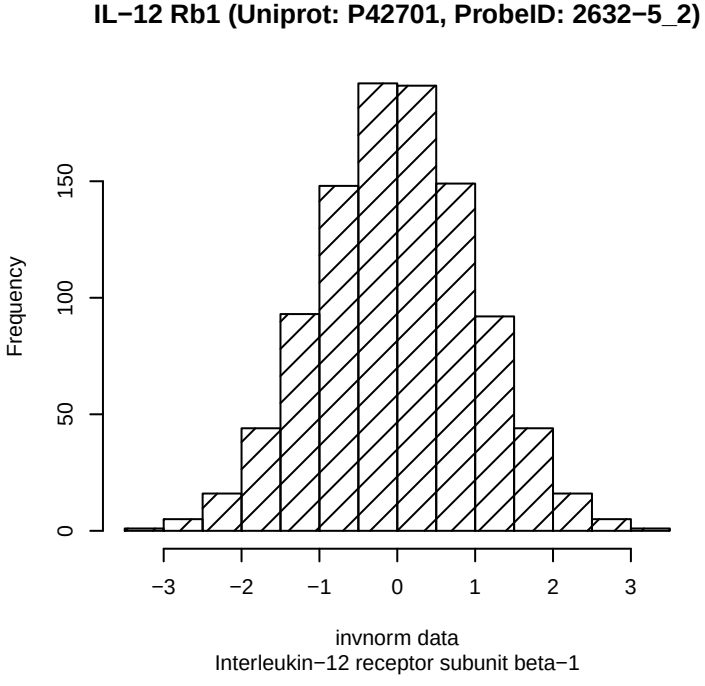

G−CSF (Uniprot: P09919, ProbeID: 4840−73_1)
invnorm data
−3
−2
−1
0
1
2
3
T/T (427)
T/G (440)
G/G (130)
rs5167 (Chr19:45448465)
Locus 54 top sentinel (TRANS), p=2.1e−69

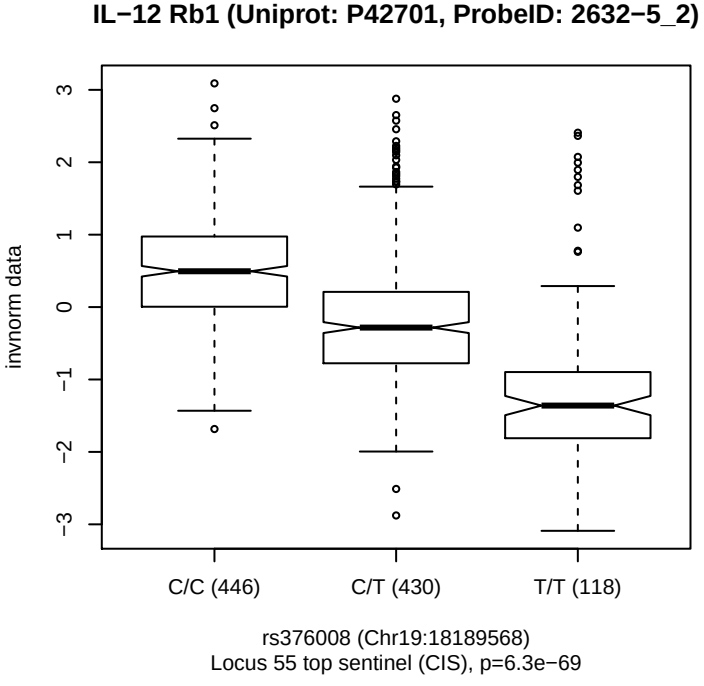

IL−12 Rb1 (Uniprot: P42701, ProbeID: 2632−5_2)
Frequency
0
200
400
600
800
1000
0
2000
4000
6000
8000
10000
12000
raw data
Interleukin−12 receptor subunit beta−1

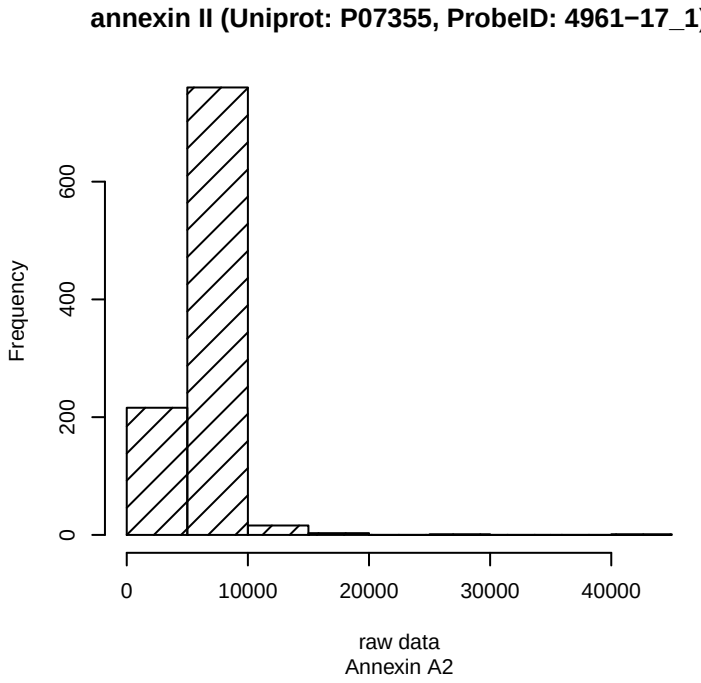

IL−12 Rb1 (Uniprot: P42701, ProbeID: 2632−5_2)
raw data
0
2000
4000
6000
8000
10000
12000
C/C (446)
C/T (430)
T/T (118)
rs376008 (Chr19:18189568)
Locus 55 top sentinel (CIS), p=0.059

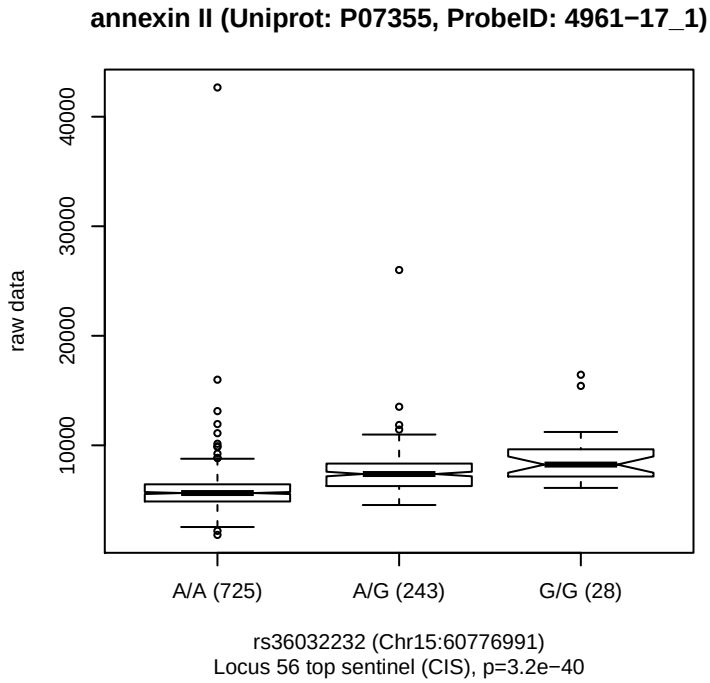

IL−12 Rb1 (Uniprot: P42701, ProbeID: 2632−5_2)
Frequency
0
200
400
600
8
9
10
11
12
13
14
log2−scaled data
Interleukin−12 receptor subunit beta−1

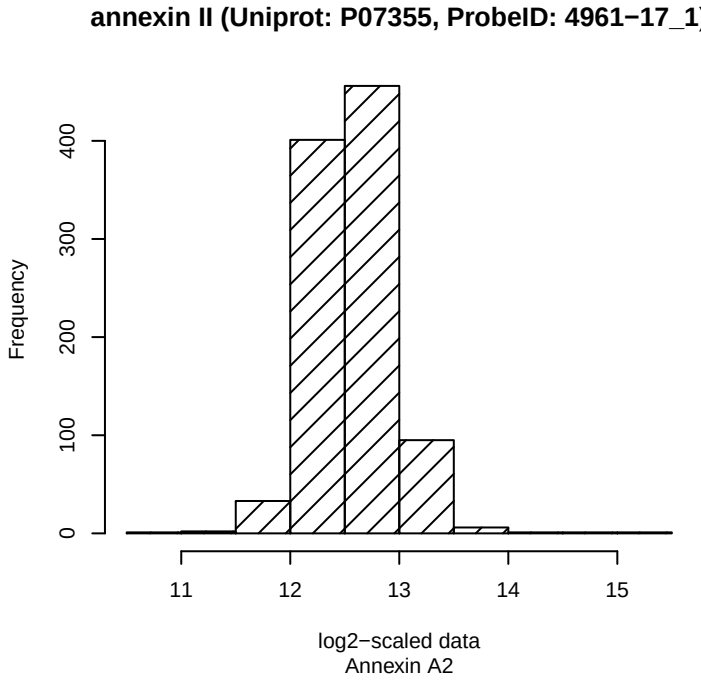

IL−12 Rb1 (Uniprot: P42701, ProbeID: 2632−5_2)
log2−scaled data
8
9
10
11
12
13
C/C (446)
C/T (430)
T/T (118)
rs376008 (Chr19:18189568)
Locus 55 top sentinel (CIS), p=7e−15, FC=−1.1034

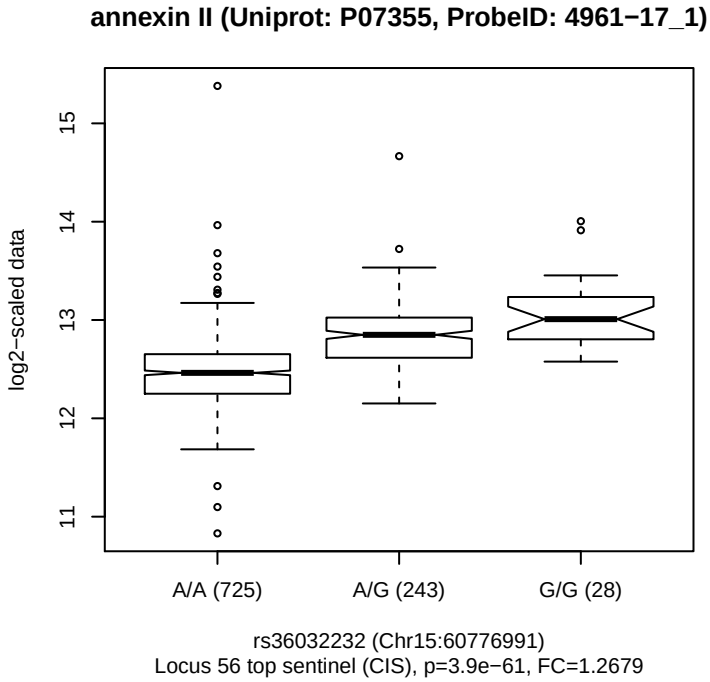

IL−12 Rb1 (Uniprot: P42701, ProbeID: 2632−5_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−12 receptor subunit beta−1

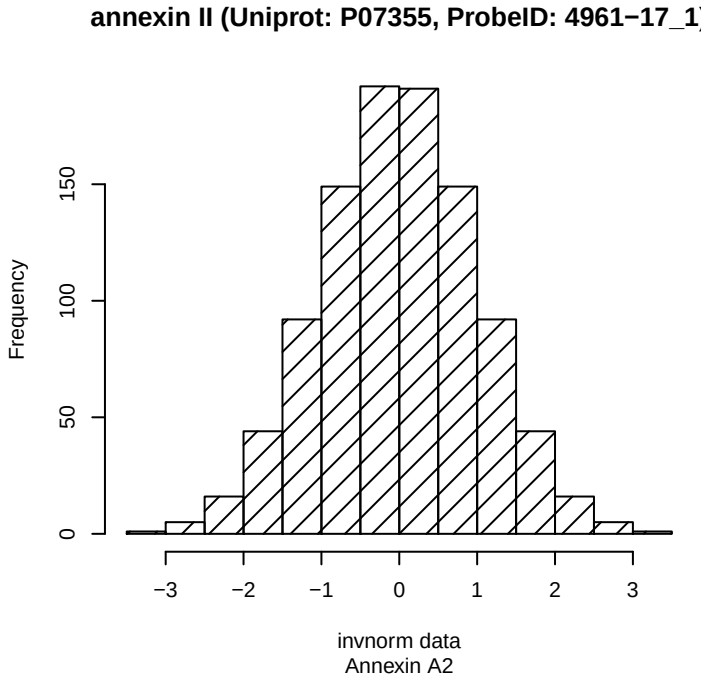

IL−12 Rb1 (Uniprot: P42701, ProbeID: 2632−5_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (446)
C/T (430)
T/T (118)
rs376008 (Chr19:18189568)
Locus 55 top sentinel (CIS), p=6.3e−69

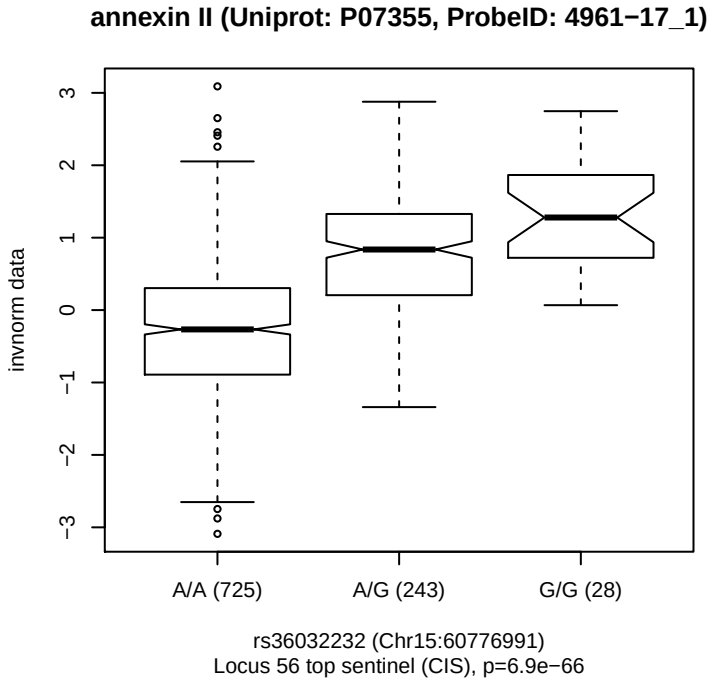

annexin II (Uniprot: P07355, ProbeID: 4961−17_1)
Frequency
0
200
400
600
0
10000
20000
30000
40000
raw data
Annexin A2


annexin II (Uniprot: P07355, ProbeID: 4961−17_1)
raw data
10000
20000
30000
40000
A/A (725)
A/G (243)
G/G (28)
rs36032232 (Chr15:60776991)
Locus 56 top sentinel (CIS), p=3.2e−40

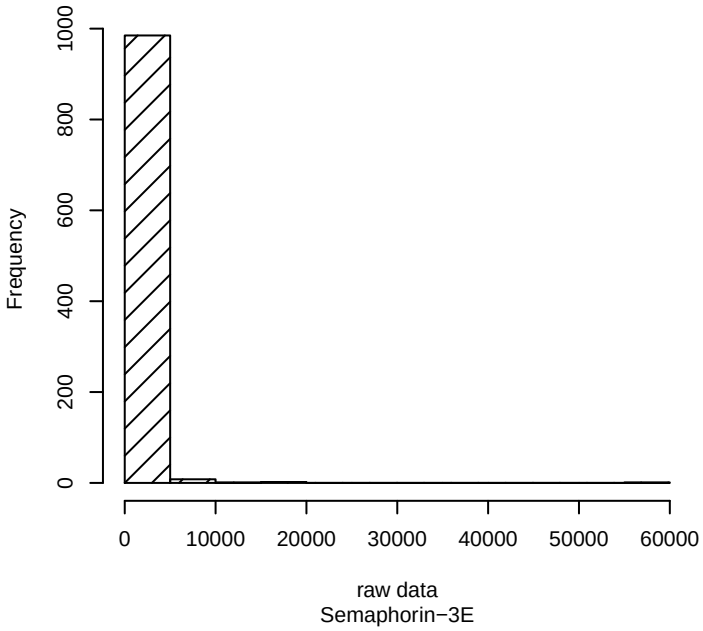

annexin II (Uniprot: P07355, ProbeID: 4961−17_1)
Frequency
0
100
200
300
400
11
12
13
14
15
log2−scaled data
Annexin A2


annexin II (Uniprot: P07355, ProbeID: 4961−17_1)
log2−scaled data
11
12
13
14
15
A/A (725)
A/G (243)
G/G (28)
rs36032232 (Chr15:60776991)
Locus 56 top sentinel (CIS), p=3.9e−61, FC=1.2679

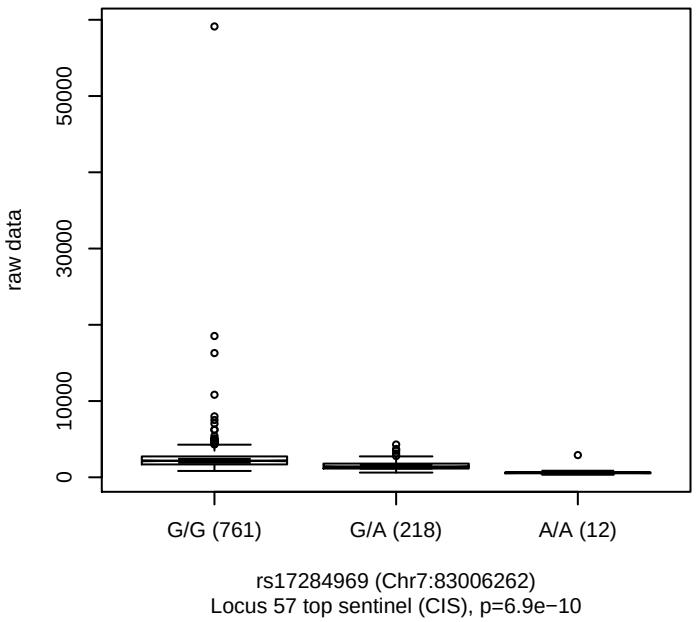

annexin II (Uniprot: P07355, ProbeID: 4961−17_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Annexin A2


annexin II (Uniprot: P07355, ProbeID: 4961−17_1)
invnorm data
−3
−2
−1
0
1
2
3
A/A (725)
A/G (243)
G/G (28)
rs36032232 (Chr15:60776991)
Locus 56 top sentinel (CIS), p=6.9e−66

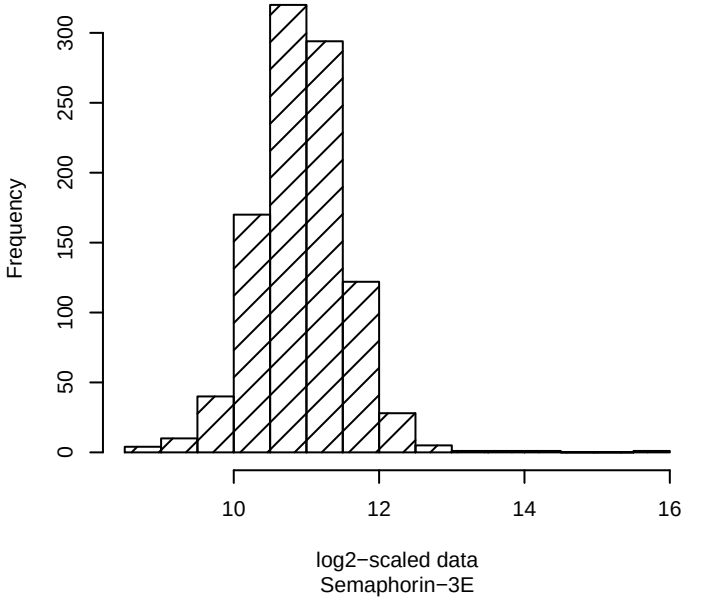
**Semaphorin 3E (Uniprot: O15041, ProbeID: 5363−51_3)**



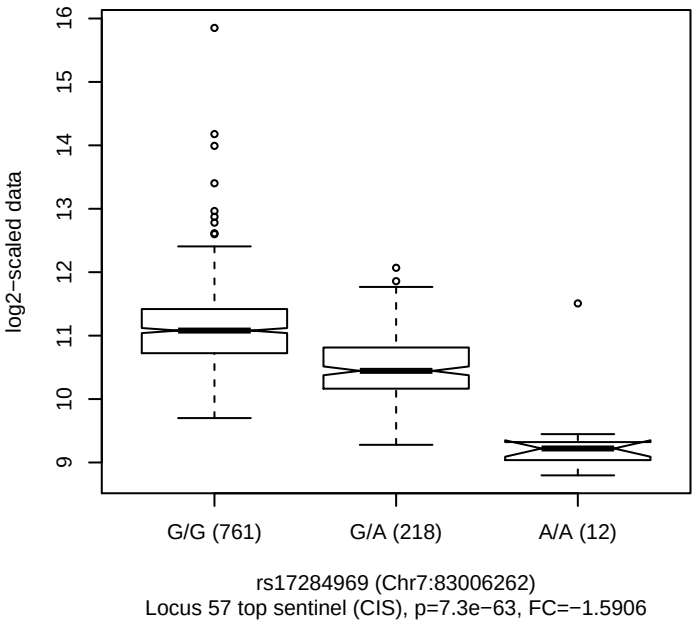

**Semaphorin 3E (Uniprot: O15041, ProbeID: 5363−51_3)**



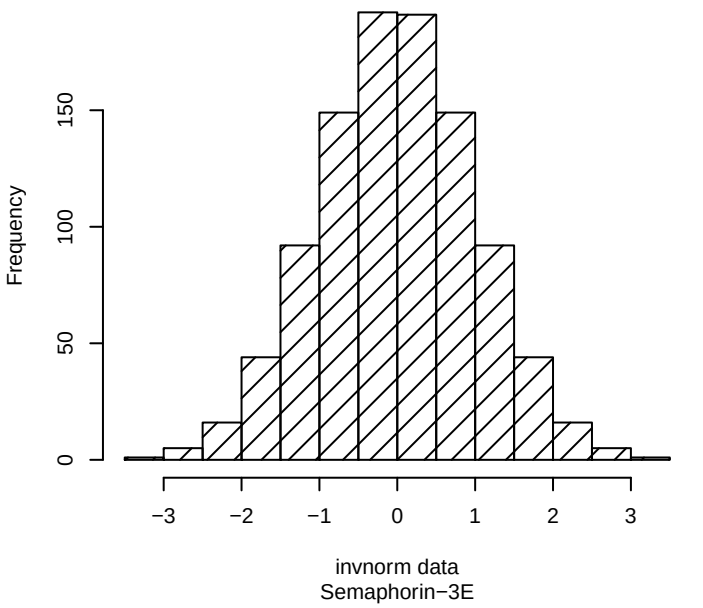

**Semaphorin 3E (Uniprot: O15041, ProbeID: 5363−51_3)**



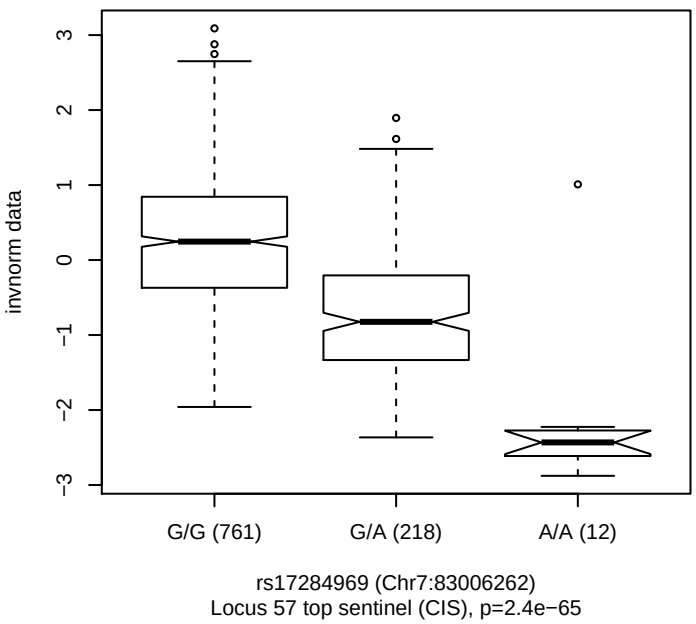

**Semaphorin 3E (Uniprot: O15041, ProbeID: 5363−51_3)**



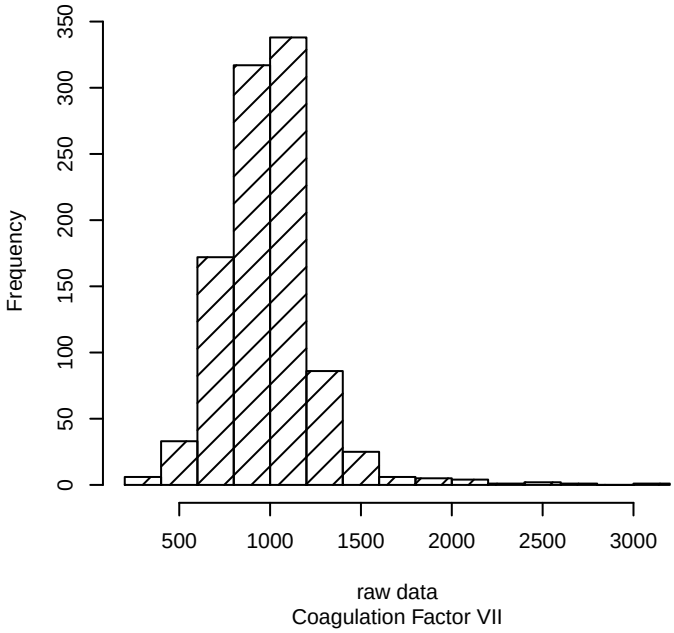

**Semaphorin 3E (Uniprot: O15041, ProbeID: 5363−51_3)**

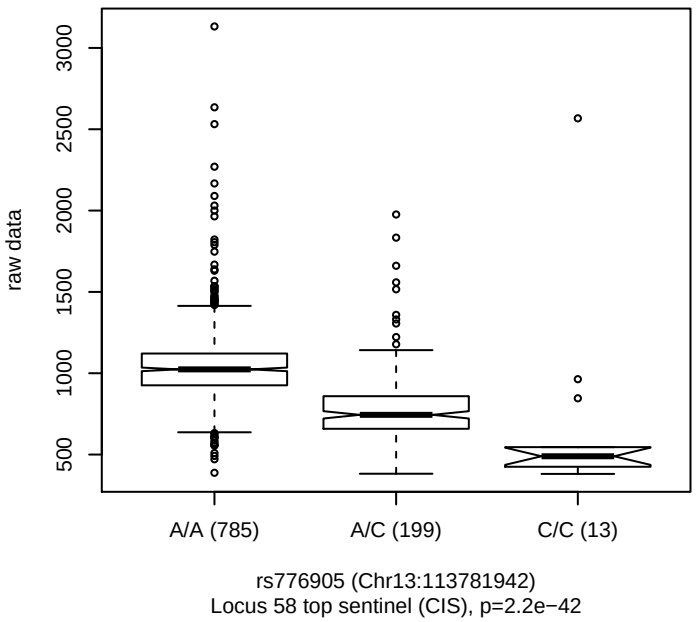



**Semaphorin 3E (Uniprot: O15041, ProbeID: 5363−51_3)**

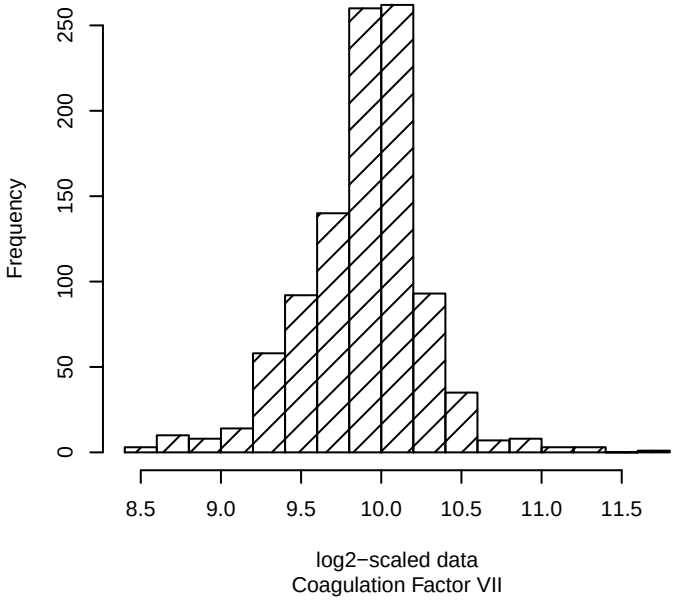


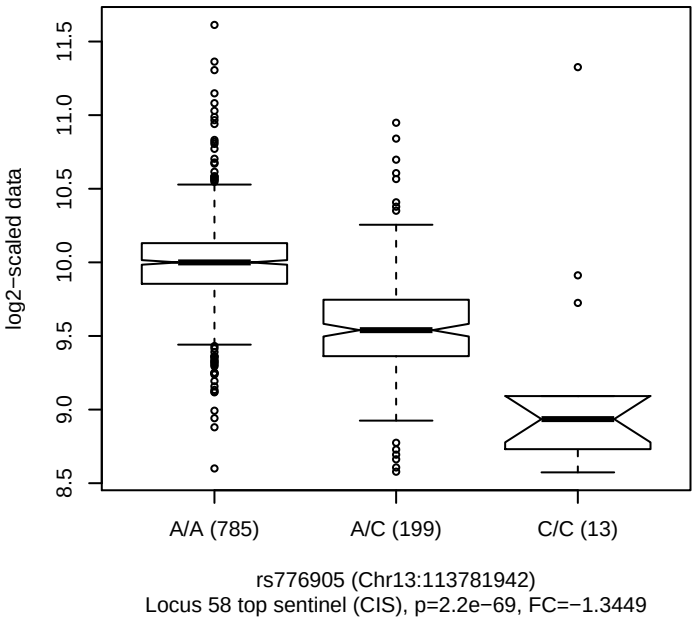
**Coagulation Factor VII (Uniprot: P08709, ProbeID: 3184−25 Coagulation Factor VII (Uniprot: P08709, ProbeID: 3184−25**



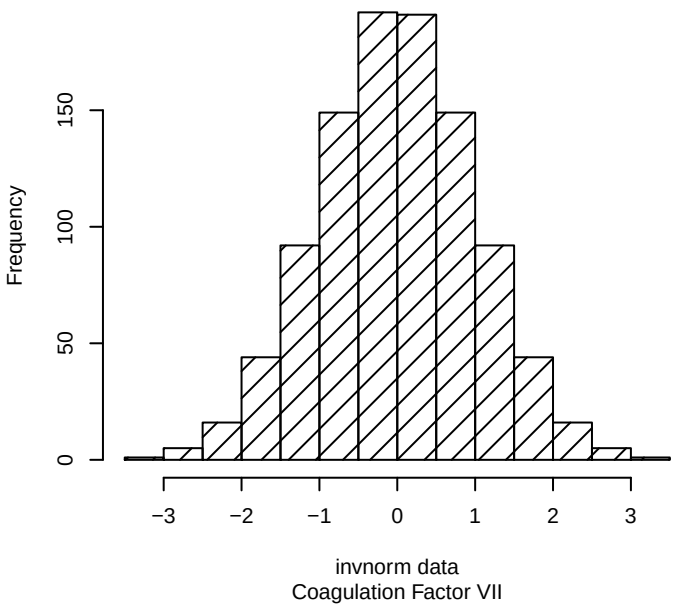



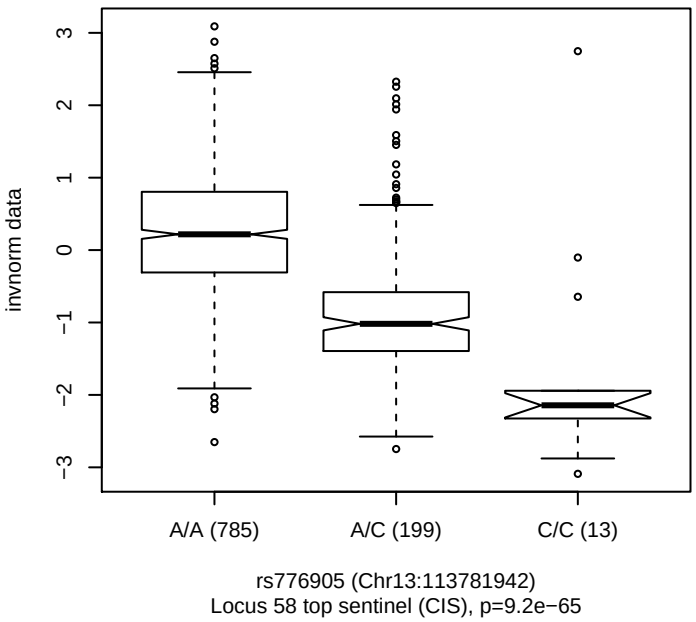

**Coagulation Factor VII (Uniprot: P08709, ProbeID: 3184−25 Coagulation Factor VII (Uniprot: P08709, ProbeID: 3184−25**

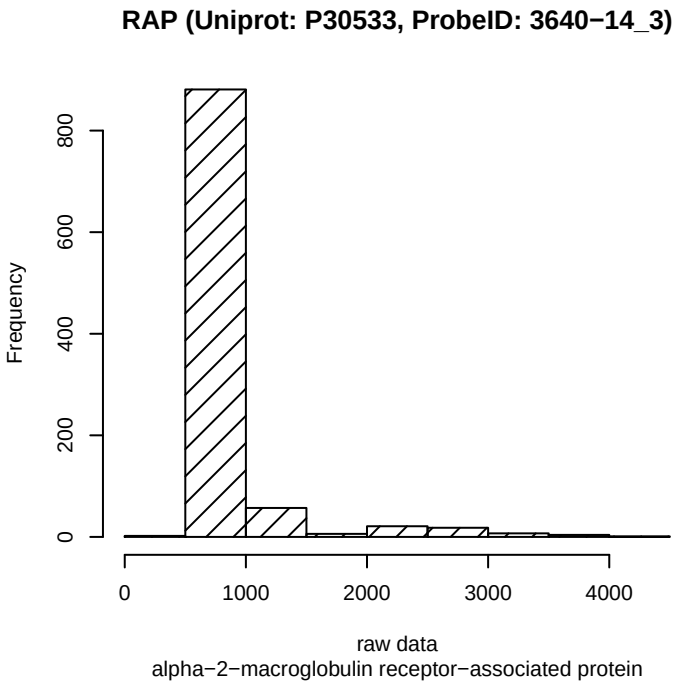


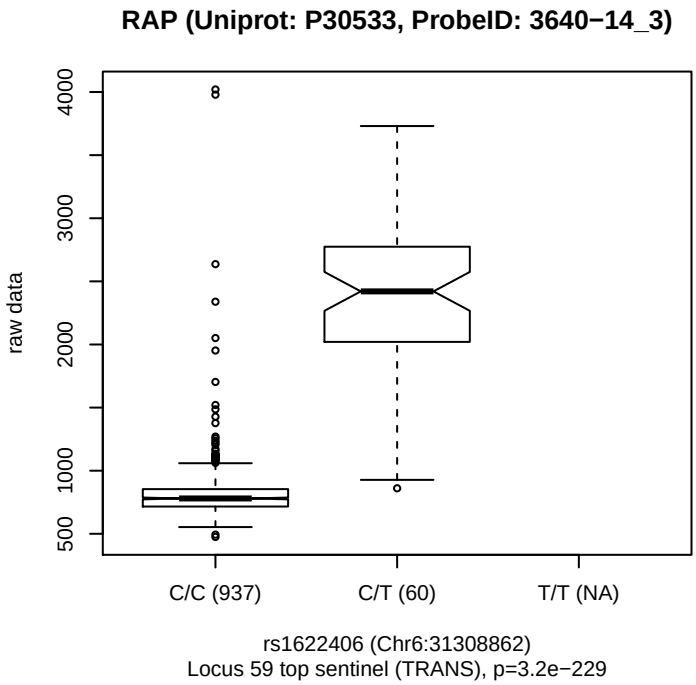



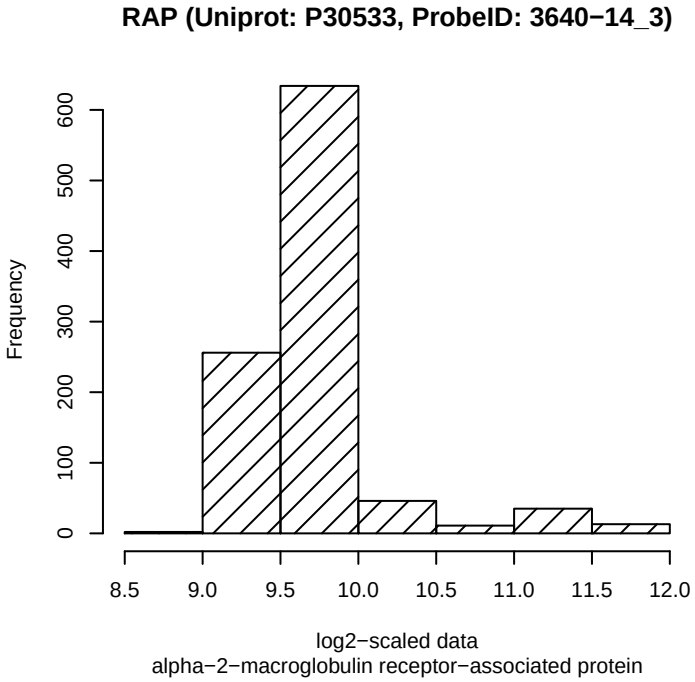

**Coagulation Factor VII (Uniprot: P08709, ProbeID: 3184−25 Coagulation Factor VII (Uniprot: P08709, ProbeID: 3184−25**

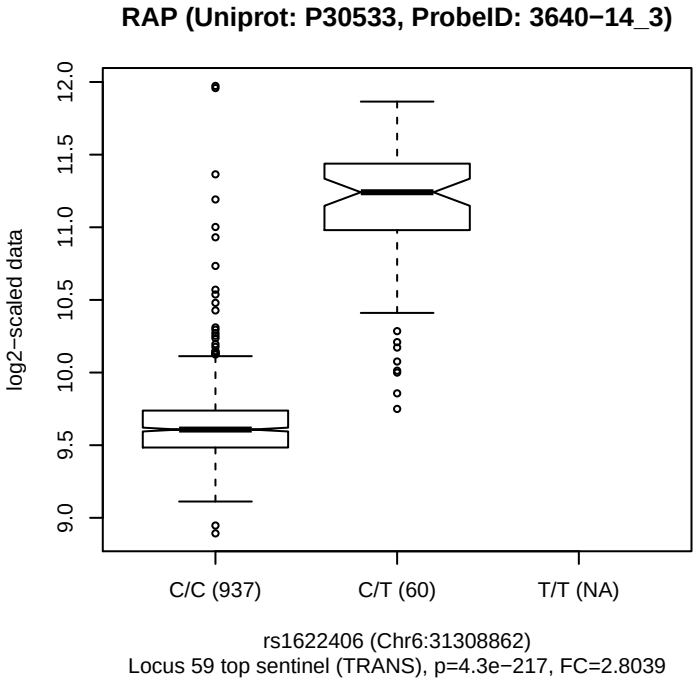


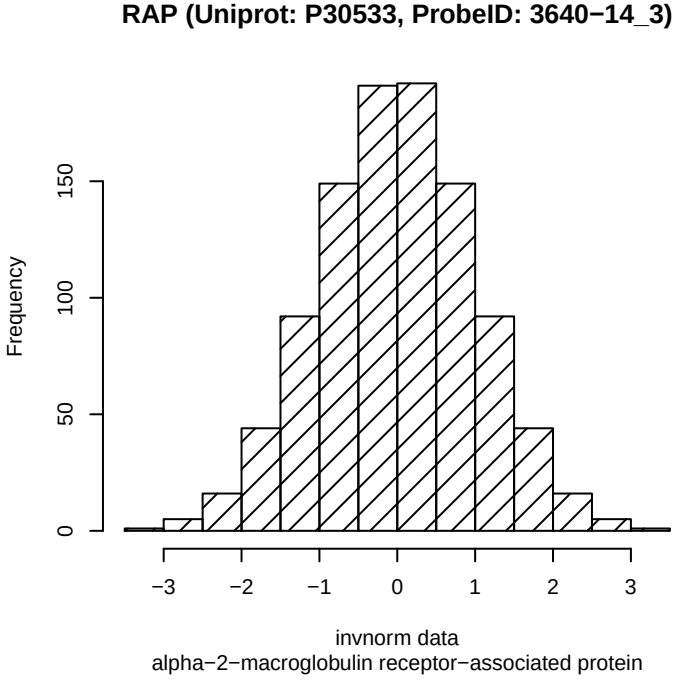



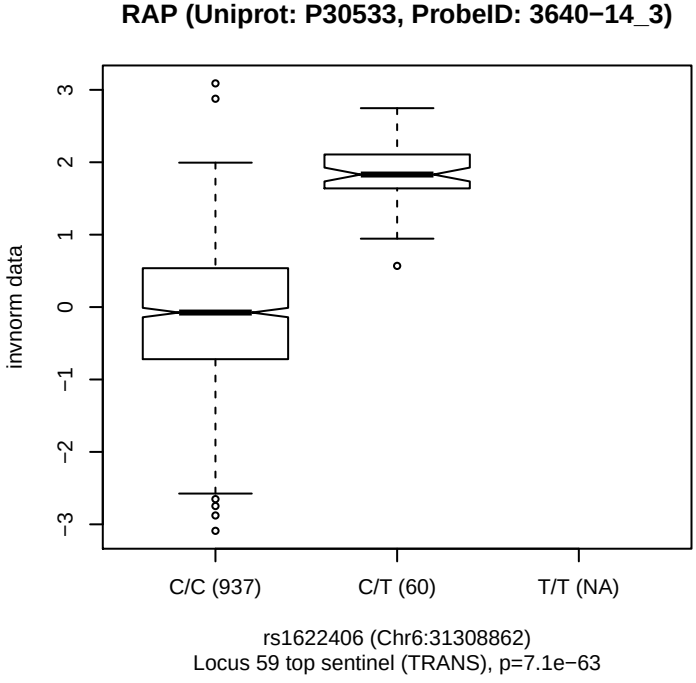

RAP (Uniprot: P30533, ProbeID: 3640−14_3)
Frequency
0
200
400
600
800
0
1000
2000
3000
4000
raw data
alpha−2−macroglobulin receptor−associated protein

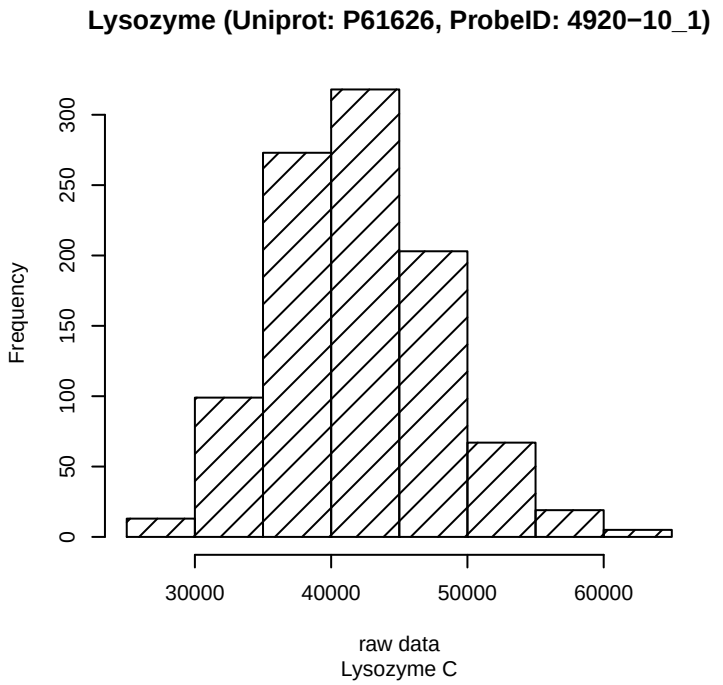

RAP (Uniprot: P30533, ProbeID: 3640−14_3)
raw data
500
1000
2000
3000
4000
C/C (937)
C/T (60)
T/T (NA)
rs1622406 (Chr6:31308862)
Locus 59 top sentinel (TRANS), p=3.2e−229

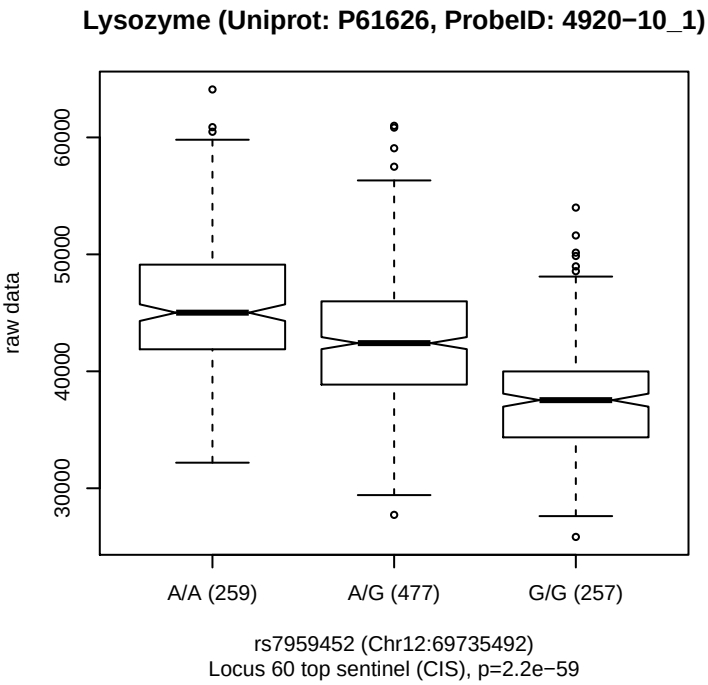

RAP (Uniprot: P30533, ProbeID: 3640−14_3)
Frequency
0
100
200
300
400
500
600
8.5
9.0
9.5
10.0
10.5
11.0
11.5
12.0
log2−scaled data
alpha−2−macroglobulin receptor−associated protein

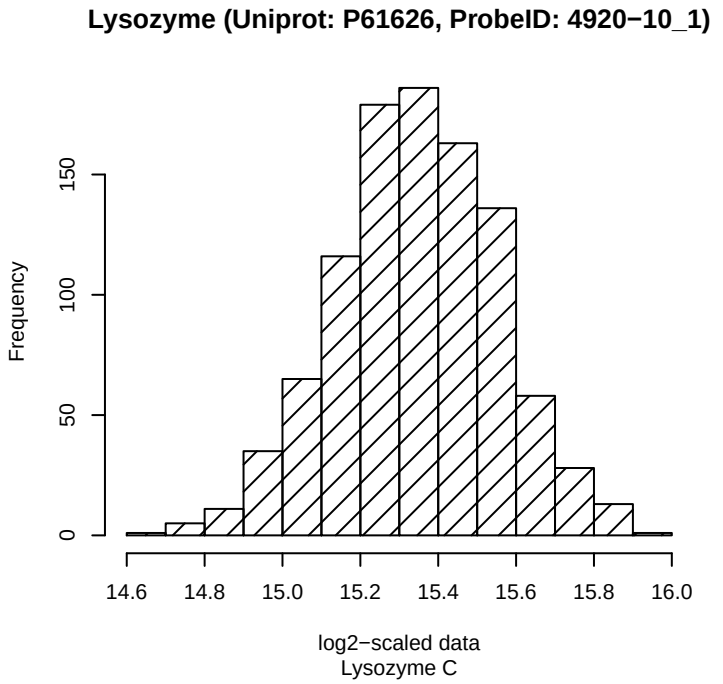

RAP (Uniprot: P30533, ProbeID: 3640−14_3)
log2−scaled data
9.0
9.5
10.0
10.5
11.0
11.5
12.0
C/C (937)
C/T (60)
T/T (NA)
rs1622406 (Chr6:31308862)
Locus 59 top sentinel (TRANS), p=4.3e−217, FC=2.8039

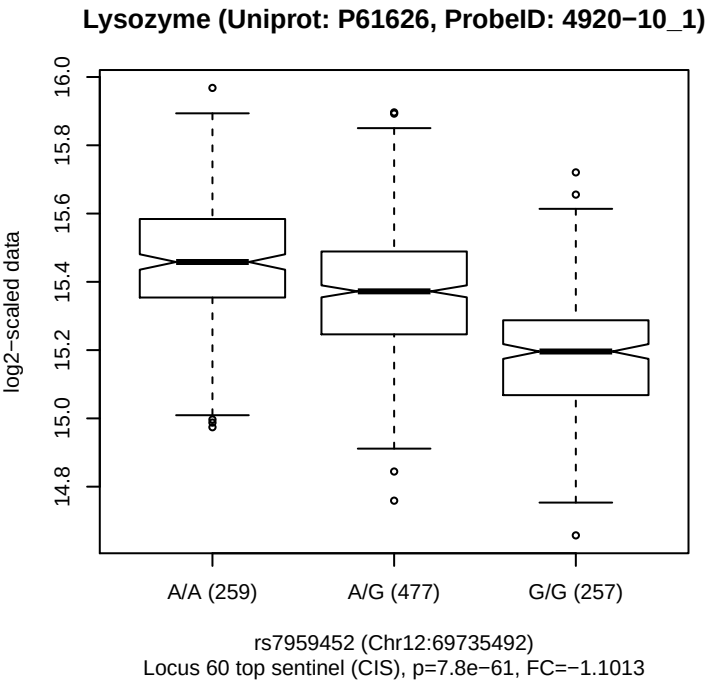

RAP (Uniprot: P30533, ProbeID: 3640−14_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
alpha−2−macroglobulin receptor−associated protein

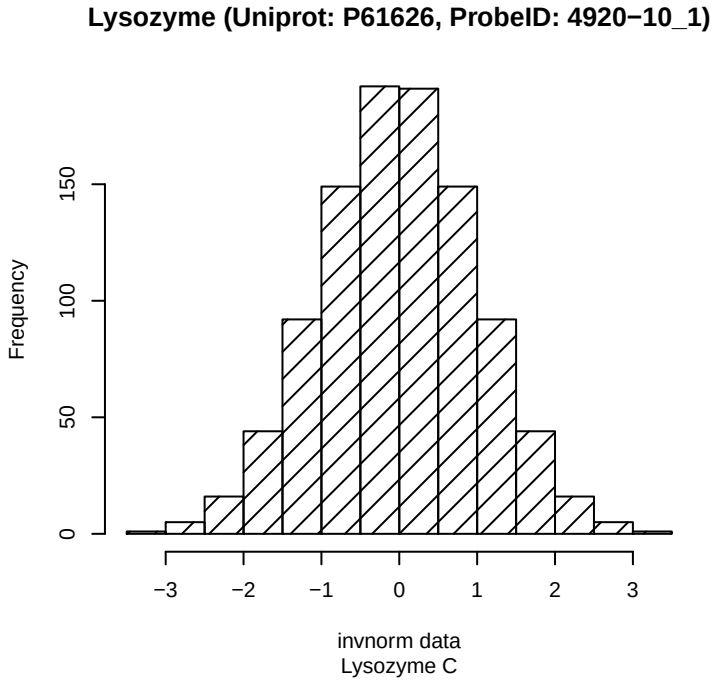

RAP (Uniprot: P30533, ProbeID: 3640−14_3)
invnorm data
−3
−2
−1
0
1
2
3
C/C (937)
C/T (60)
T/T (NA)
rs1622406 (Chr6:31308862)
Locus 59 top sentinel (TRANS), p=7.1e−63

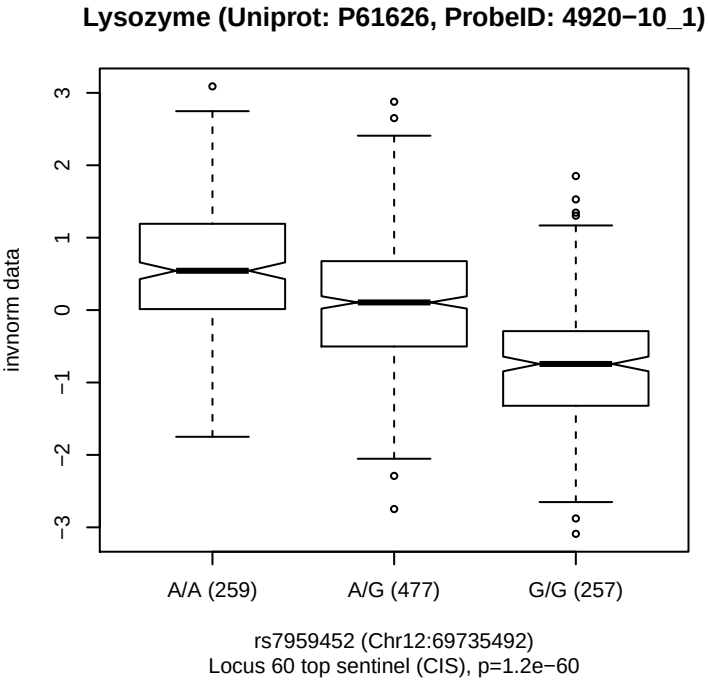

Lysozyme (Uniprot: P61626, ProbeID: 4920−10_1)
Frequency
0
50
100
150
200
250
300
30000
40000
50000
60000
raw data
Lysozyme C

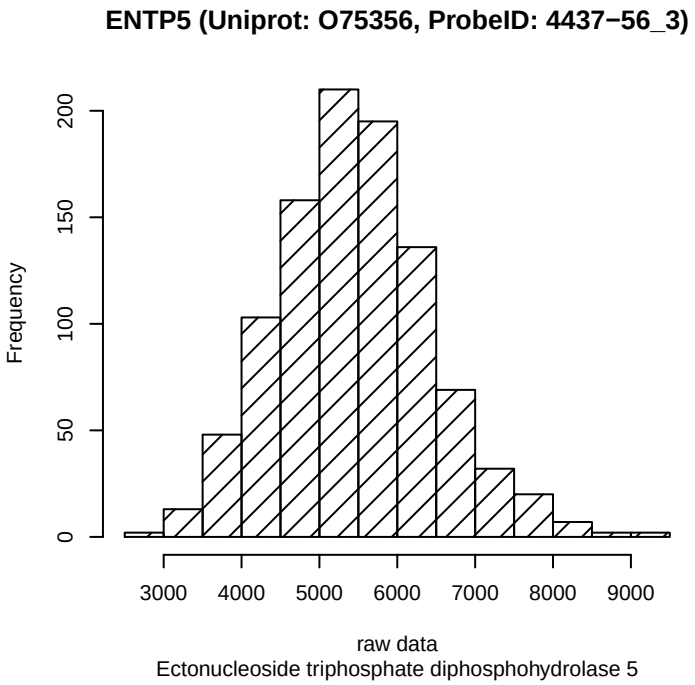

Lysozyme (Uniprot: P61626, ProbeID: 4920−10_1)
raw data
30000
40000
50000
60000
A/A (259)
A/G (477)
G/G (257)
rs7959452 (Chr12:69735492)
Locus 60 top sentinel (CIS), p=2.2e−59

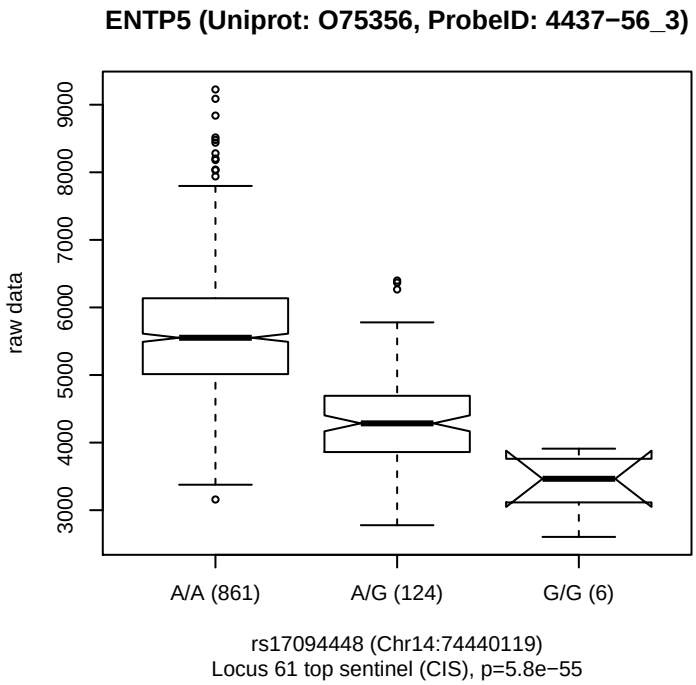

Lysozyme (Uniprot: P61626, ProbeID: 4920−10_1)
Frequency
0
50
100
150
14.6
14.8
15.0
15.2
15.4
15.6
15.8
16.0
log2−scaled data
Lysozyme C

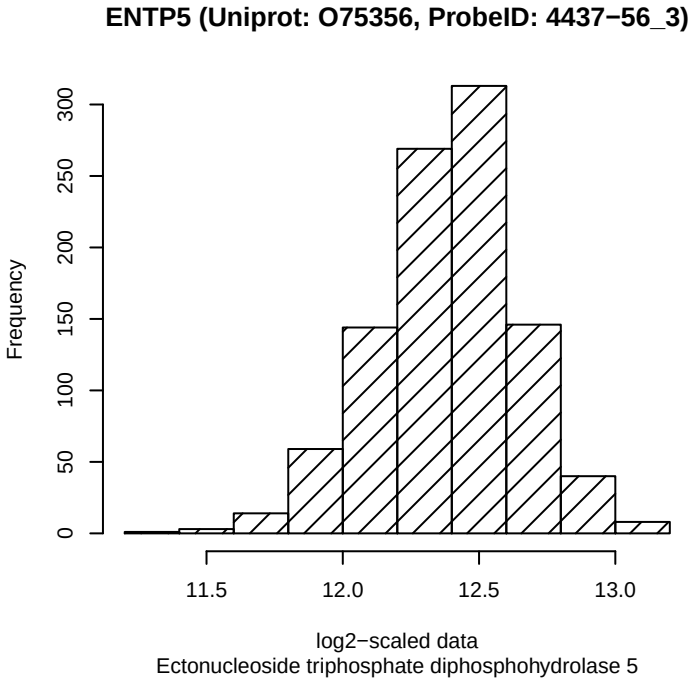

Lysozyme (Uniprot: P61626, ProbeID: 4920−10_1)
log2−scaled data
14.8
15.0
15.2
15.4
15.6
15.8
16.0
A/A (259)
A/G (477)
G/G (257)
rs7959452 (Chr12:69735492)
Locus 60 top sentinel (CIS), p=7.8e−61, FC=−1.1013

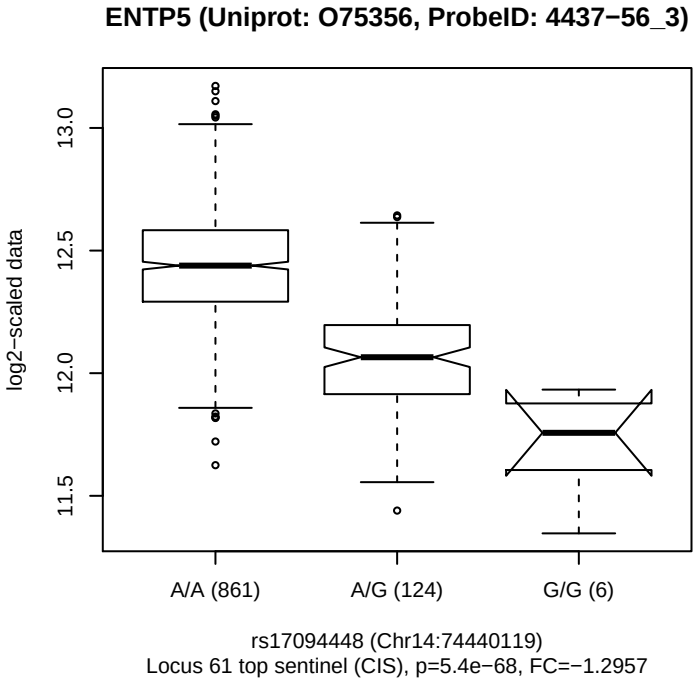

Lysozyme (Uniprot: P61626, ProbeID: 4920−10_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Lysozyme C

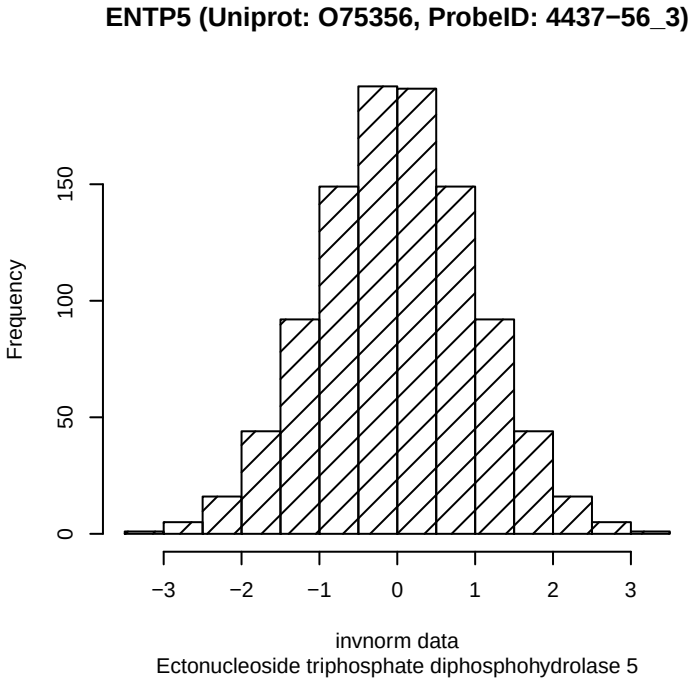

Lysozyme (Uniprot: P61626, ProbeID: 4920−10_1)
invnorm data
−3
−2
−1
0
1
2
3
A/A (259)
A/G (477)
G/G (257)
rs7959452 (Chr12:69735492)
Locus 60 top sentinel (CIS), p=1.2e−60

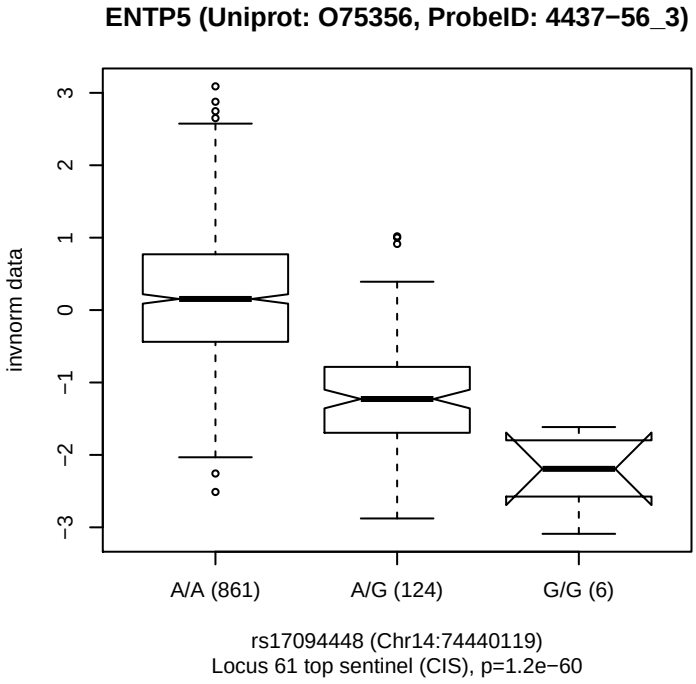

ENTP5 (Uniprot: O75356, ProbeID: 4437−56_3)
Frequency
0
50
100
150
200
3000
4000
5000
6000
7000
8000
9000
raw data
Ectonucleoside triphosphate diphosphohydrolase 5

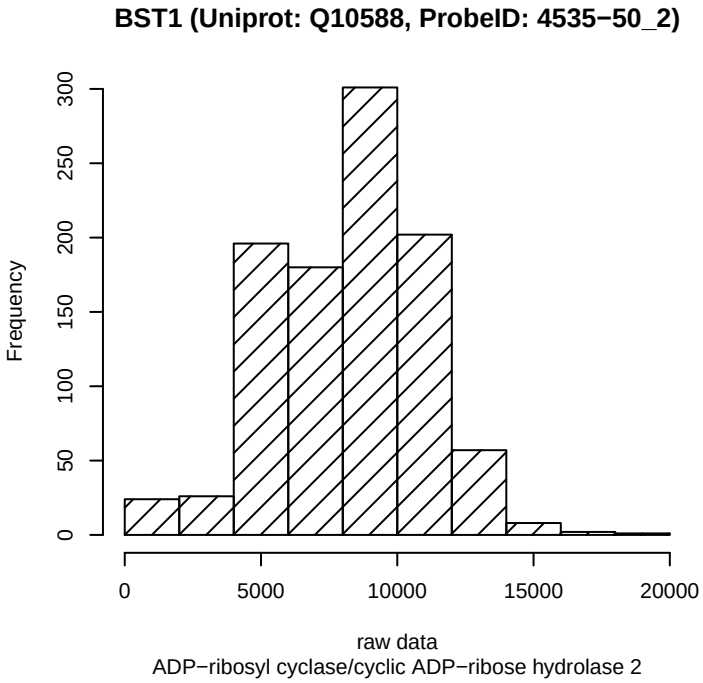

ENTP5 (Uniprot: O75356, ProbeID: 4437−56_3)
raw data
3000
4000
5000
6000
7000
8000
9000
A/A (861)
A/G (124)
G/G (6)
rs17094448 (Chr14:74440119)
Locus 61 top sentinel (CIS), p=5.8e−55

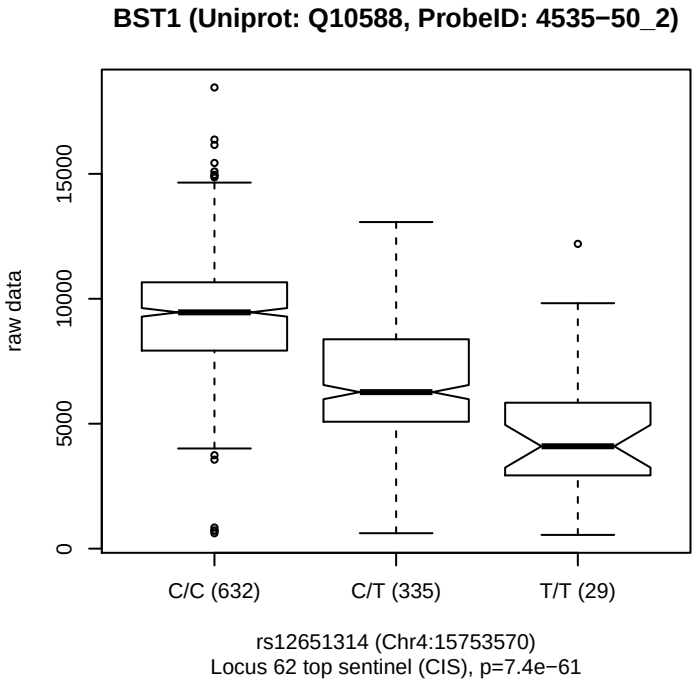

ENTP5 (Uniprot: O75356, ProbeID: 4437−56_3)
Frequency
0
50
100
150
200
250
300
11.5
12.0
12.5
13.0
log2−scaled data
Ectonucleoside triphosphate diphosphohydrolase 5

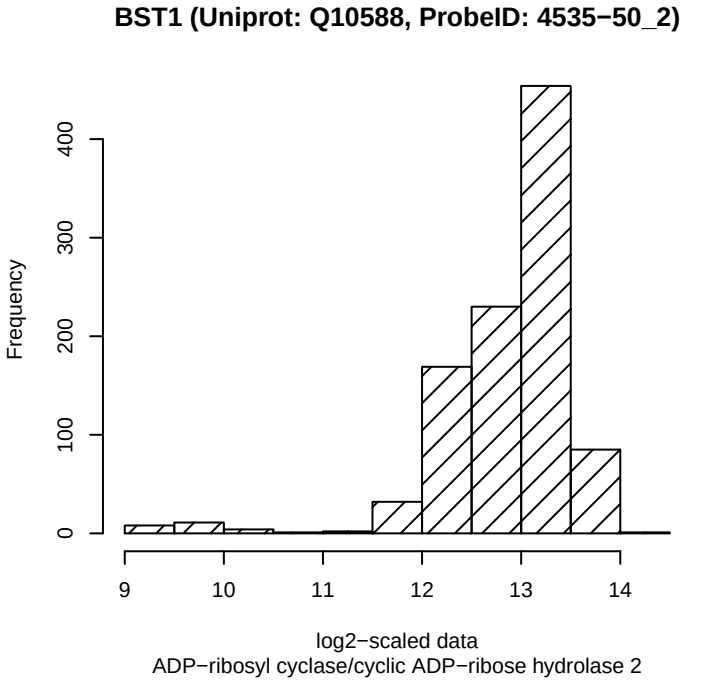

ENTP5 (Uniprot: O75356, ProbeID: 4437−56_3)
log2−scaled data
11.5
12.0
12.5
13.0
A/A (861)
A/G (124)
G/G (6)
rs17094448 (Chr14:74440119)
Locus 61 top sentinel (CIS), p=5.4e−68, FC=−1.2957

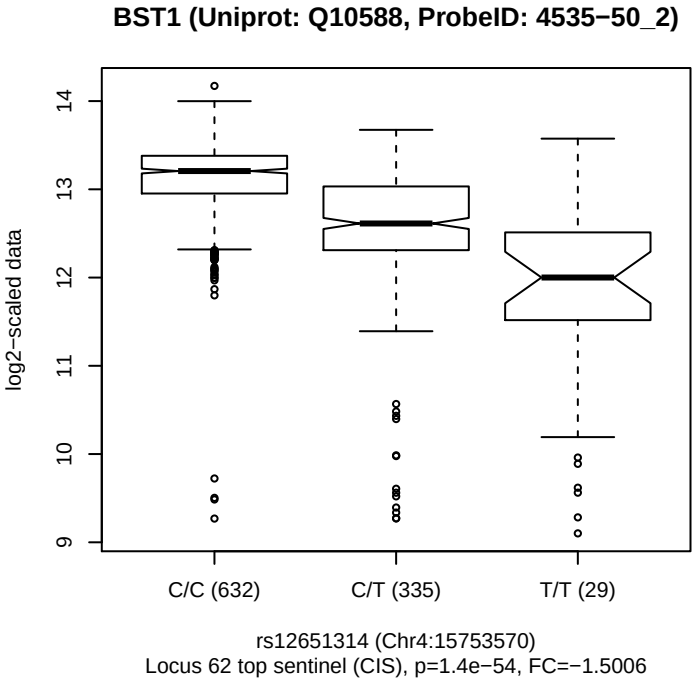

ENTP5 (Uniprot: O75356, ProbeID: 4437−56_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Ectonucleoside triphosphate diphosphohydrolase 5

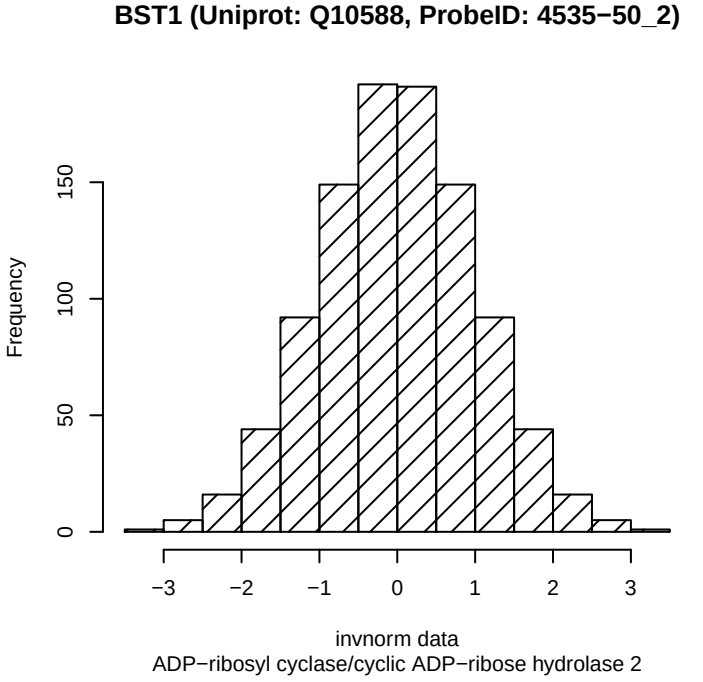

ENTP5 (Uniprot: O75356, ProbeID: 4437−56_3)
invnorm data
−3
−2
−1
0
1
2
3
A/A (861)
A/G (124)
G/G (6)
rs17094448 (Chr14:74440119)
Locus 61 top sentinel (CIS), p=1.2e−60

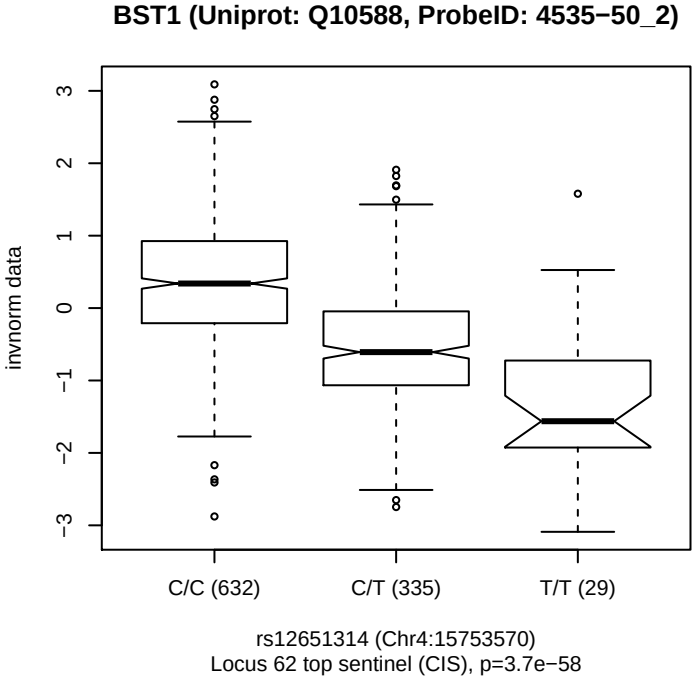

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
Frequency
0
50
100
150
200
250
300
0
5000
10000
15000
20000
raw data
ADP−ribosyl cyclase/cyclic ADP−ribose hydrolase 2

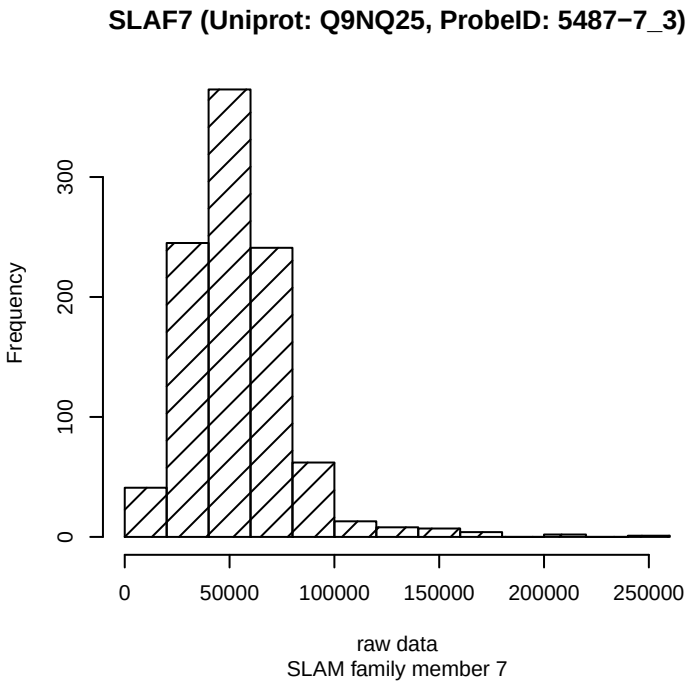

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
raw data
0
5000
10000
15000
C/C (632)
C/T (335)
T/T (29)
rs12651314 (Chr4:15753570)
Locus 62 top sentinel (CIS), p=7.4e−61

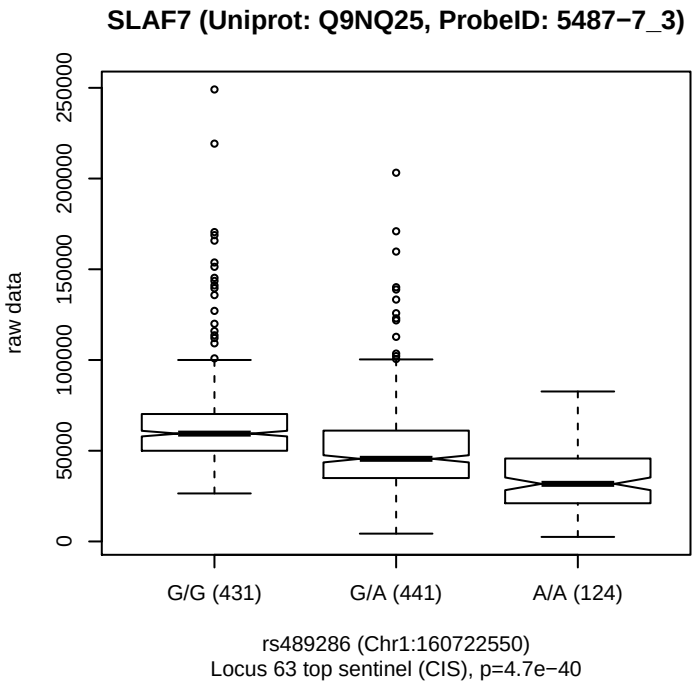

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
Frequency
0
100
200
300
400
9
10
11
12
13
14
log2−scaled data
ADP−ribosyl cyclase/cyclic ADP−ribose hydrolase 2

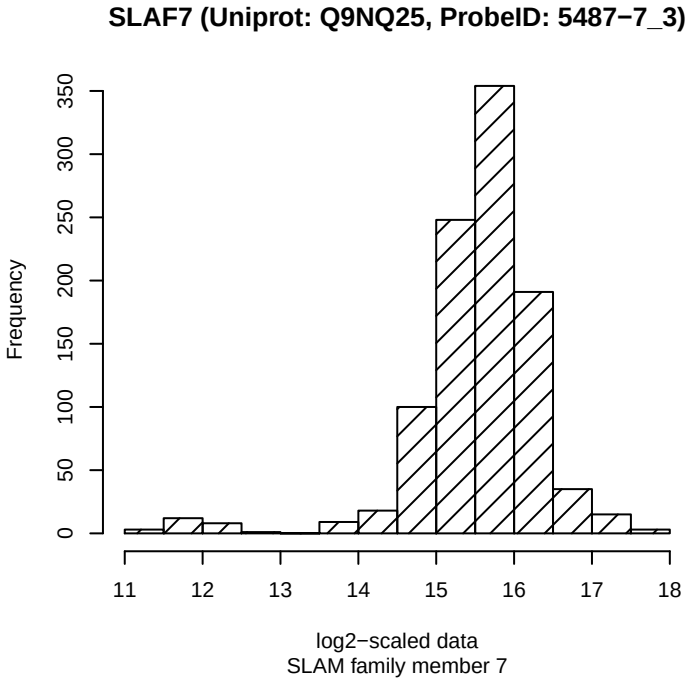

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
log2−scaled data
9
10
11
12
13
14
C/C (632)
C/T (335)
T/T (29)
rs12651314 (Chr4:15753570)
Locus 62 top sentinel (CIS), p=1.4e−54, FC=−1.5006

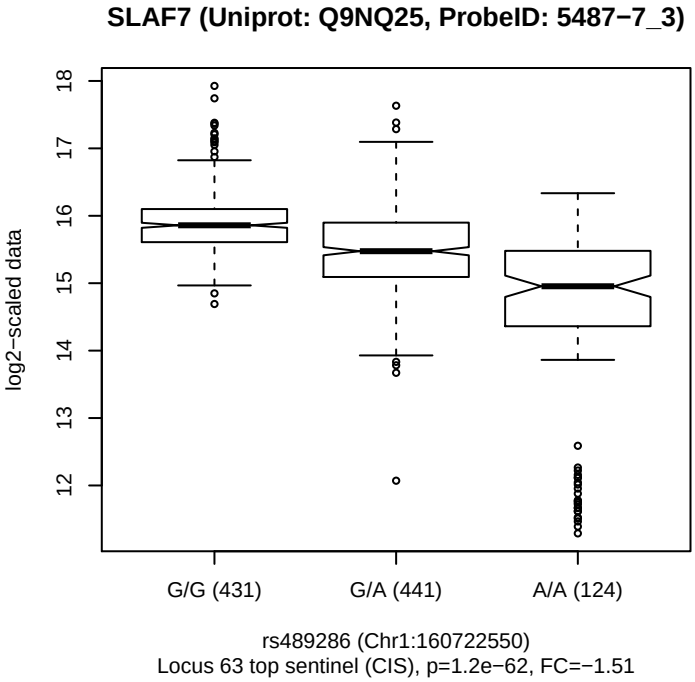

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
ADP−ribosyl cyclase/cyclic ADP−ribose hydrolase 2

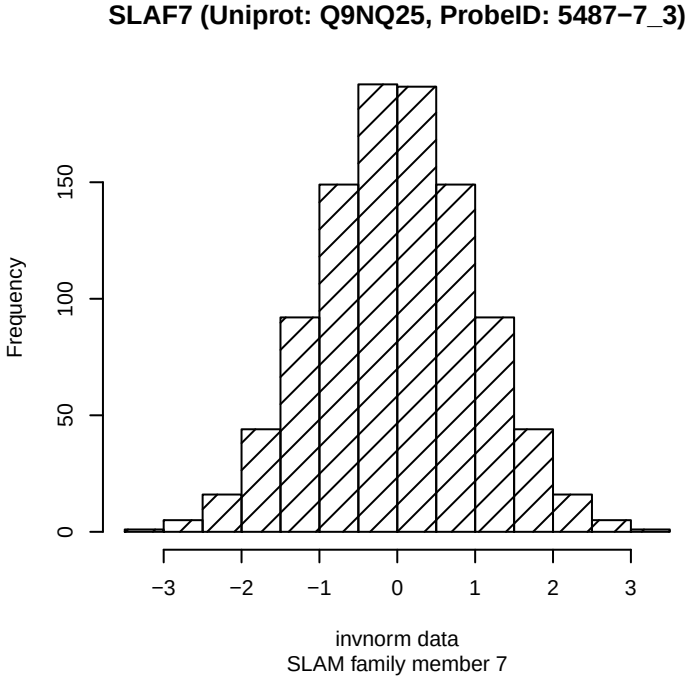

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (632)
C/T (335)
T/T (29)
rs12651314 (Chr4:15753570)
Locus 62 top sentinel (CIS), p=3.7e−58

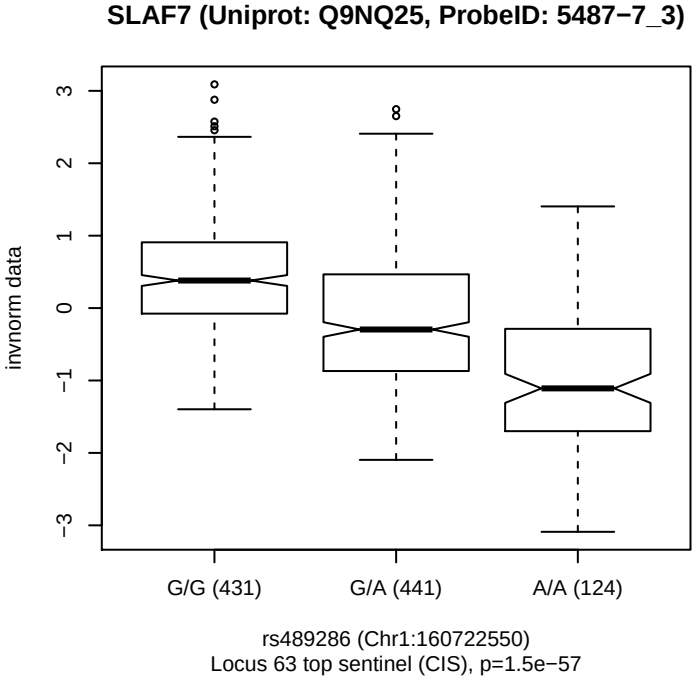

SLAF7 (Uniprot: Q9NQ25, ProbeID: 5487−7_3)
Frequency
0
100
200
300
0
50000
100000
150000
200000
250000
raw data
SLAM family member 7

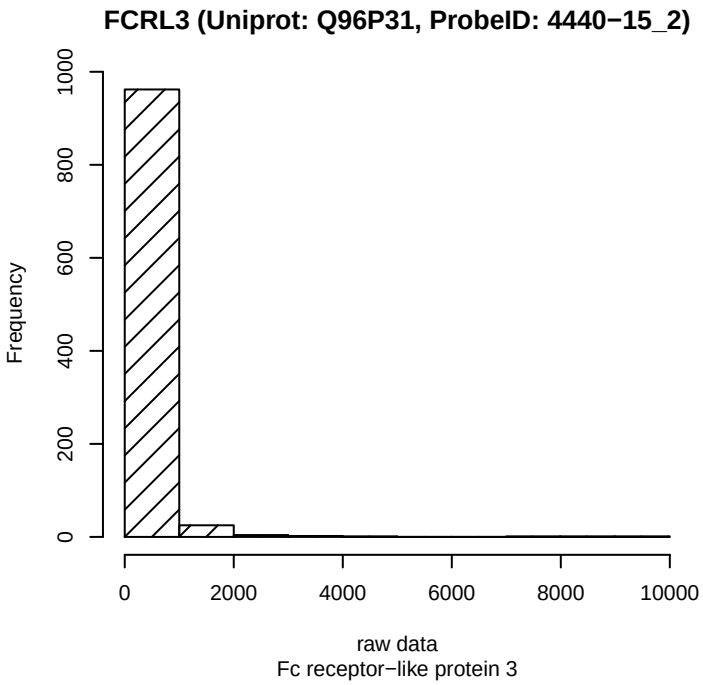

SLAF7 (Uniprot: Q9NQ25, ProbeID: 5487−7_3)
raw data
0
50000
100000
150000
200000
250000
G/G (431)
G/A (441)
A/A (124)
rs489286 (Chr1:160722550)
Locus 63 top sentinel (CIS), p=4.7e−40

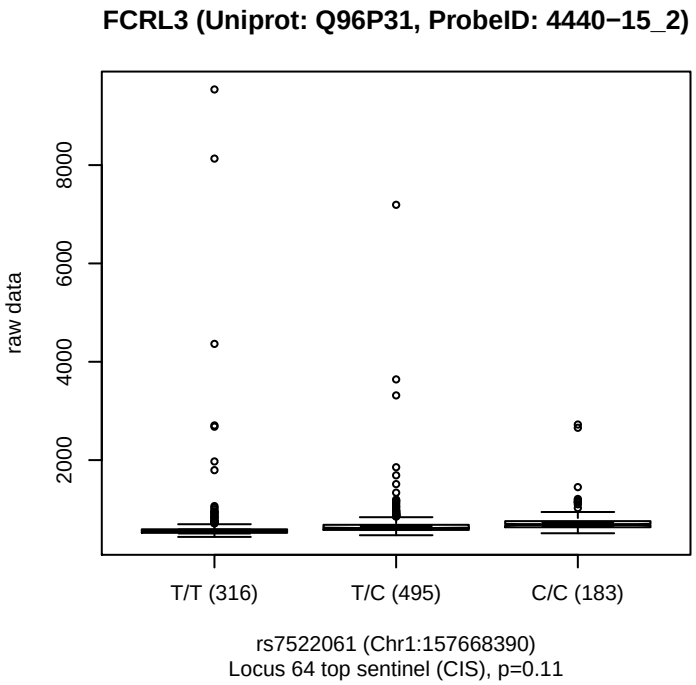

SLAF7 (Uniprot: Q9NQ25, ProbeID: 5487−7_3)
Frequency
0
50
100
150
200
250
300
350
11
12
13
14
15
16
17
18
log2−scaled data
SLAM family member 7

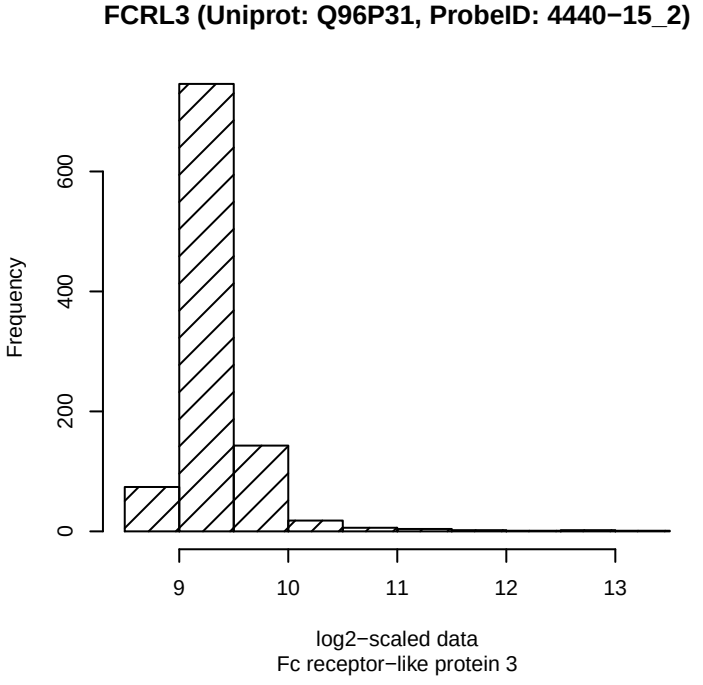

SLAF7 (Uniprot: Q9NQ25, ProbeID: 5487−7_3)
log2−scaled data
12
13
14
15
16
17
18
G/G (431)
G/A (441)
A/A (124)
rs489286 (Chr1:160722550)
Locus 63 top sentinel (CIS), p=1.2e−62, FC=−1.51

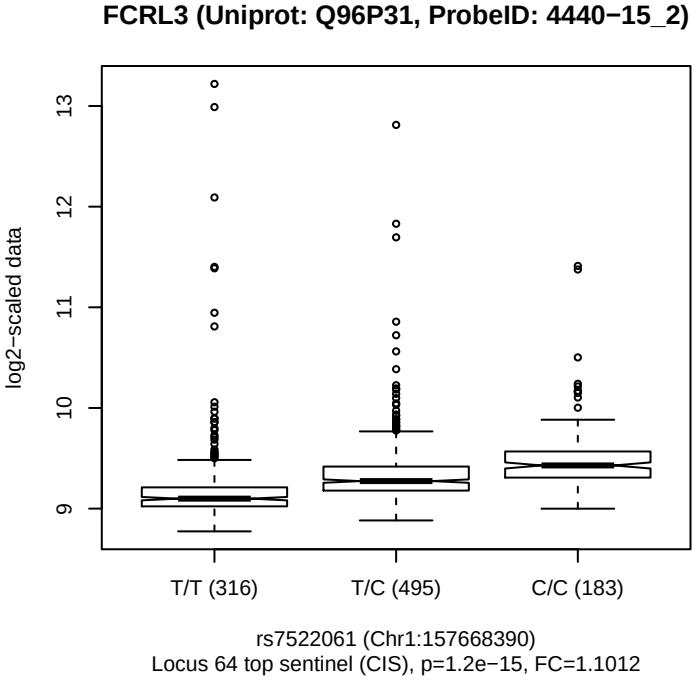

SLAF7 (Uniprot: Q9NQ25, ProbeID: 5487−7_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
SLAM family member 7

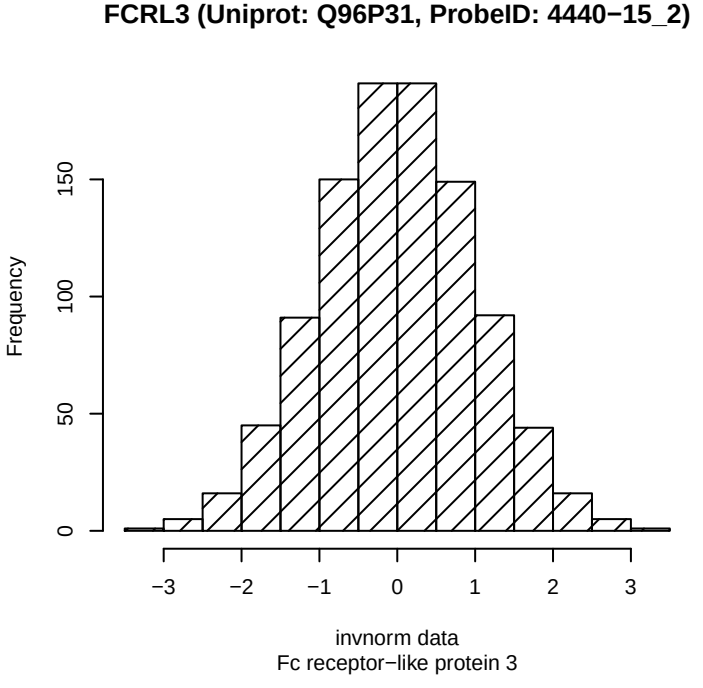

SLAF7 (Uniprot: Q9NQ25, ProbeID: 5487−7_3)
invnorm data
−3
−2
−1
0
1
2
3
G/G (431)
G/A (441)
A/A (124)
rs489286 (Chr1:160722550)
Locus 63 top sentinel (CIS), p=1.5e−57

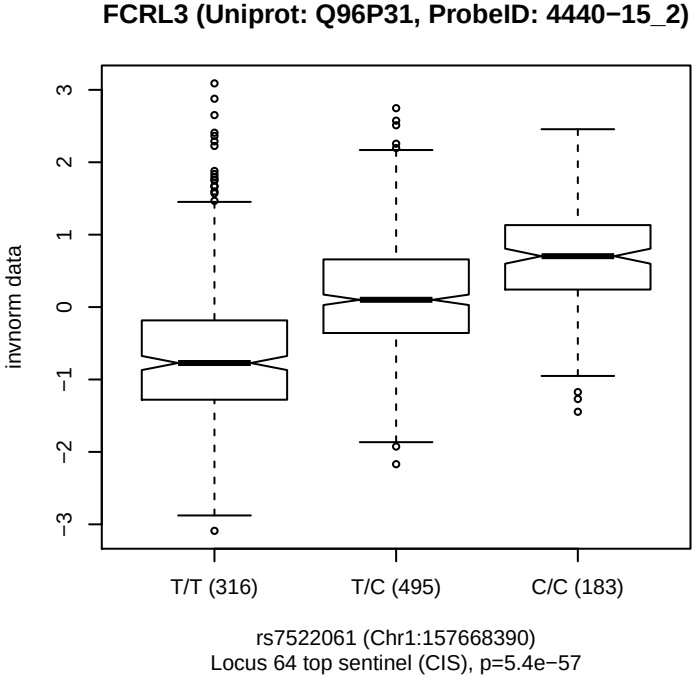

FCRL3 (Uniprot: Q96P31, ProbeID: 4440−15_2)
Frequency
0
200
400
600
800
1000
0
2000
4000
6000
8000
10000
raw data
Fc receptor−like protein 3

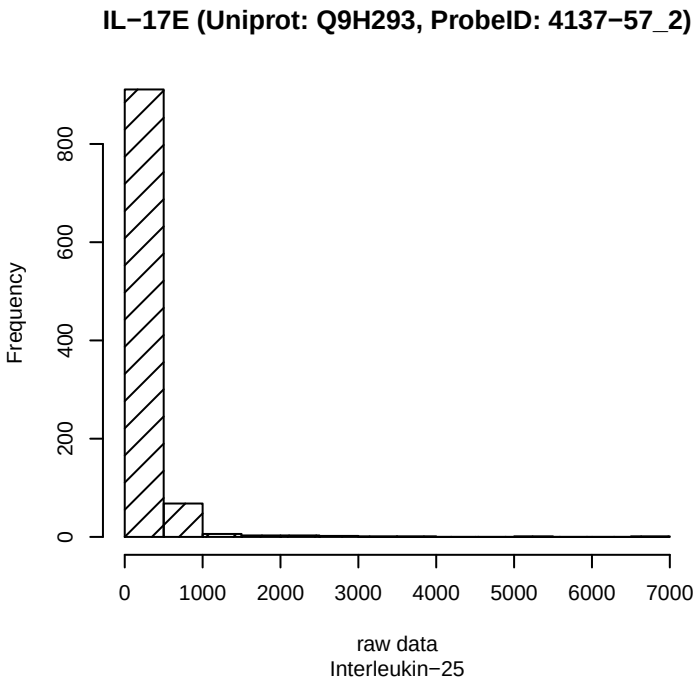

FCRL3 (Uniprot: Q96P31, ProbeID: 4440−15_2)
raw data
2000
4000
6000
8000
T/T (316)
T/C (495)
C/C (183)
rs7522061 (Chr1:157668390)
Locus 64 top sentinel (CIS), p=0.11

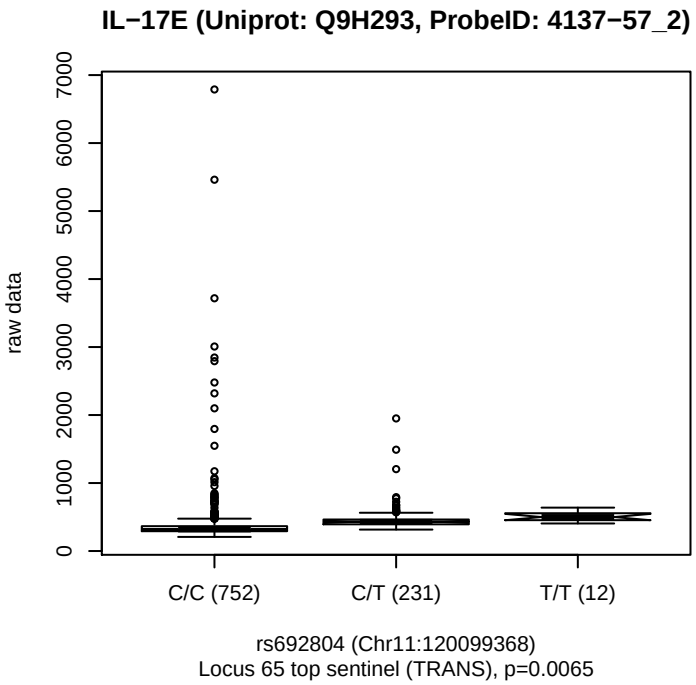

FCRL3 (Uniprot: Q96P31, ProbeID: 4440−15_2)
Frequency
0
200
400
600
9
10
11
12
13
log2−scaled data
Fc receptor−like protein 3

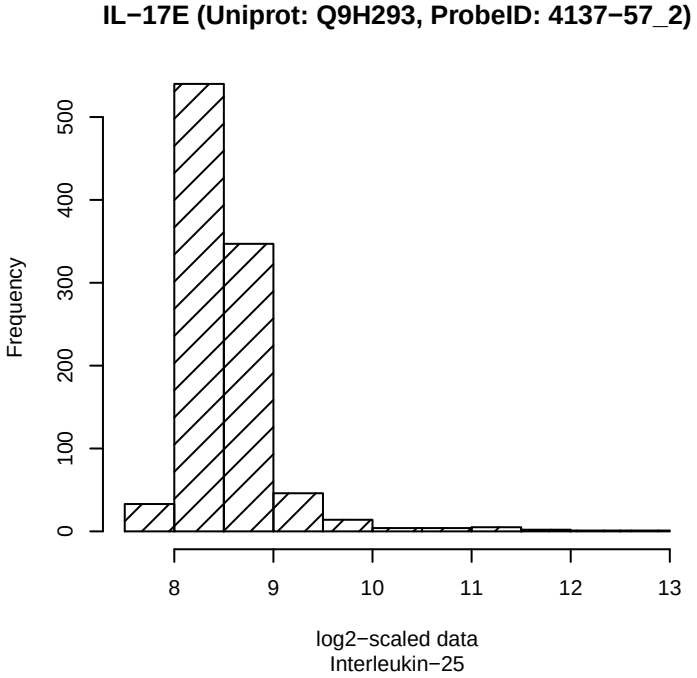

FCRL3 (Uniprot: Q96P31, ProbeID: 4440−15_2)
log2−scaled data
9
10
11
12
13
T/T (316)
T/C (495)
C/C (183)
rs7522061 (Chr1:157668390)
Locus 64 top sentinel (CIS), p=1.2e−15, FC=1.1012

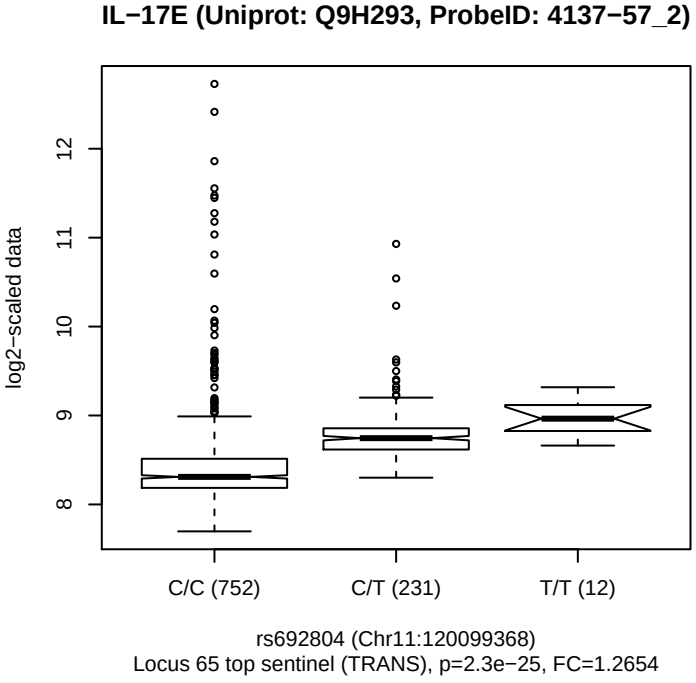

FCRL3 (Uniprot: Q96P31, ProbeID: 4440−15_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Fc receptor−like protein 3

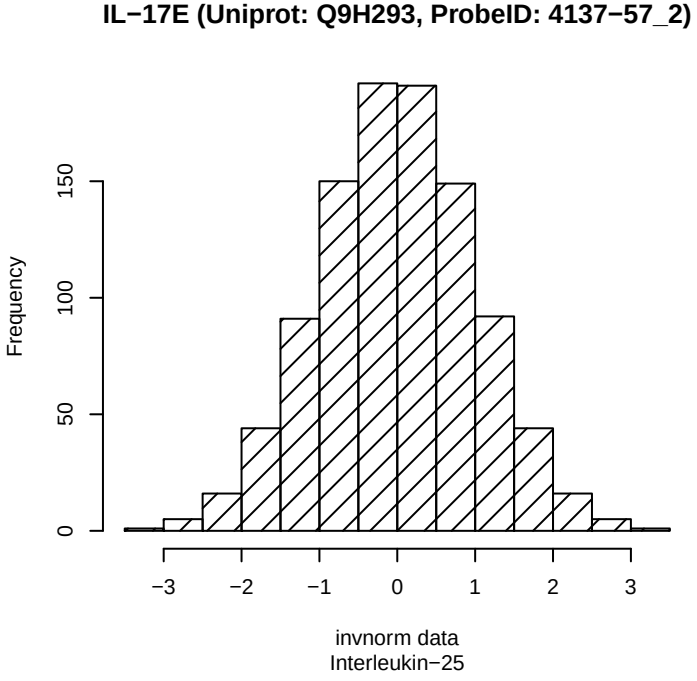

FCRL3 (Uniprot: Q96P31, ProbeID: 4440−15_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (316)
T/C (495)
C/C (183)
rs7522061 (Chr1:157668390)
Locus 64 top sentinel (CIS), p=5.4e−57

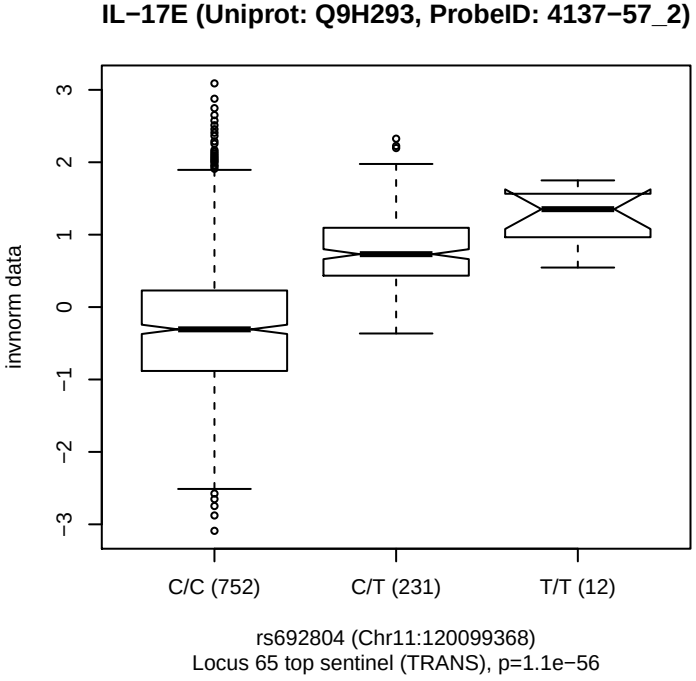

IL−17E (Uniprot: Q9H293, ProbeID: 4137−57_2)
Frequency
0
200
400
600
800
0
1000
2000
3000
4000
5000
6000
7000
raw data
Interleukin−25

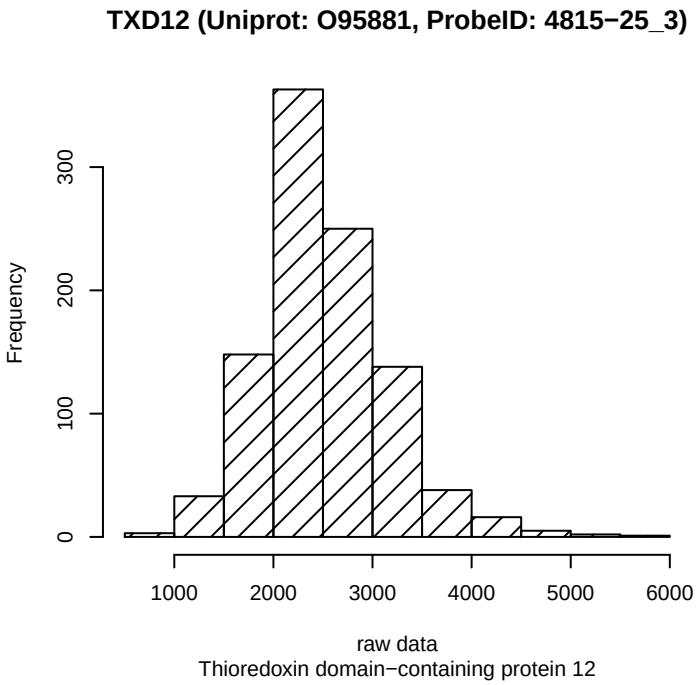

IL−17E (Uniprot: Q9H293, ProbeID: 4137−57_2)
raw data
0
1000
2000
3000
4000
5000
6000
7000
C/C (752)
C/T (231)
T/T (12)
rs692804 (Chr11:120099368)
Locus 65 top sentinel (TRANS), p=0.0065

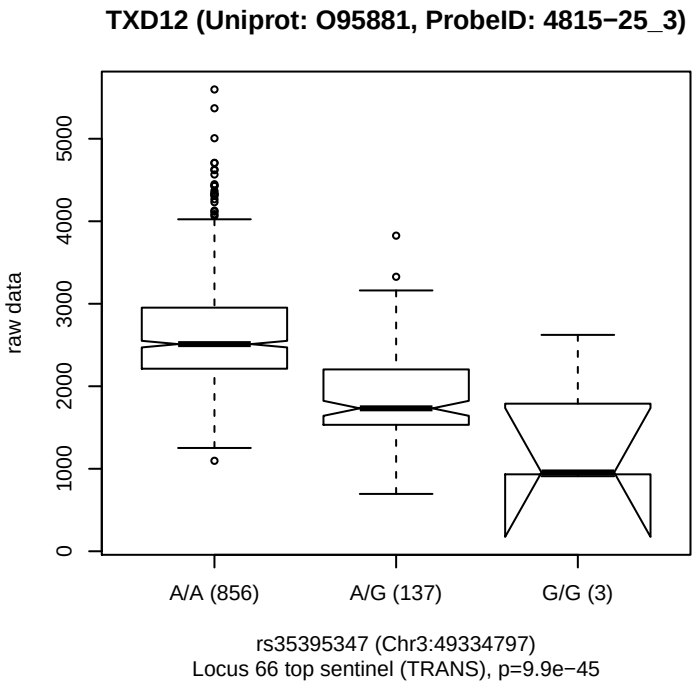

IL−17E (Uniprot: Q9H293, ProbeID: 4137−57_2)
Frequency
0
100
200
300
400
500
8
9
10
11
12
13
log2−scaled data
Interleukin−25

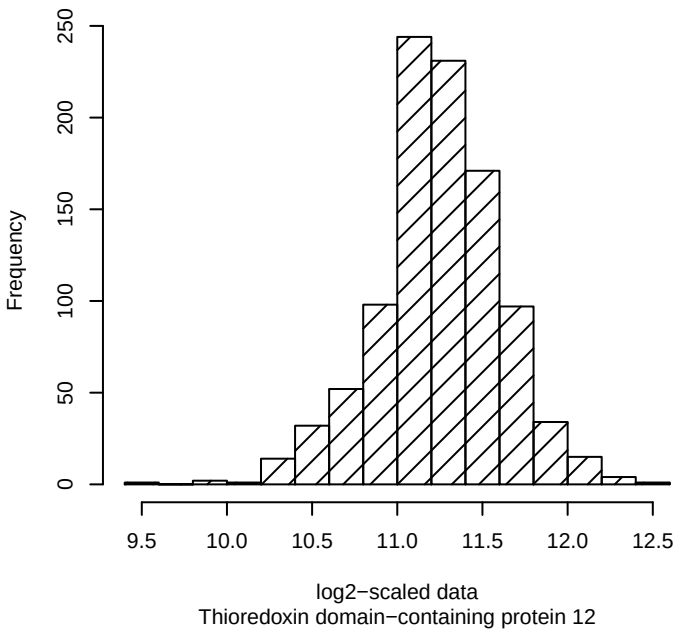

IL−17E (Uniprot: Q9H293, ProbeID: 4137−57_2)
log2−scaled data
8
9
10
11
12
C/C (752)
C/T (231)
T/T (12)
rs692804 (Chr11:120099368)
Locus 65 top sentinel (TRANS), p=2.3e−25, FC=1.2654

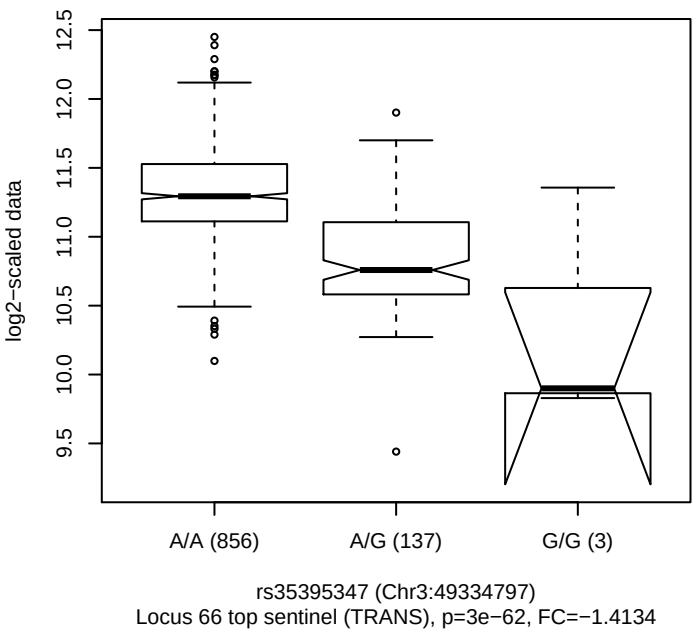

IL−17E (Uniprot: Q9H293, ProbeID: 4137−57_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−25

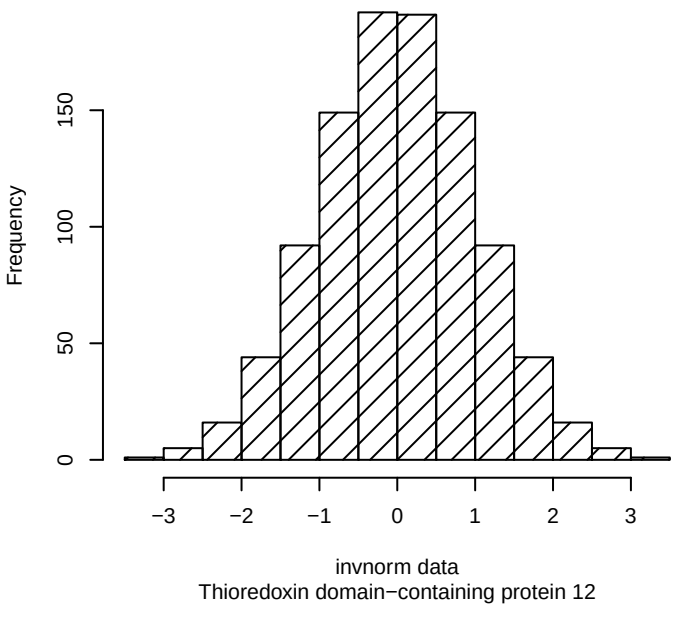

IL−17E (Uniprot: Q9H293, ProbeID: 4137−57_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (752)
C/T (231)
T/T (12)
rs692804 (Chr11:120099368)
Locus 65 top sentinel (TRANS), p=1.1e−56

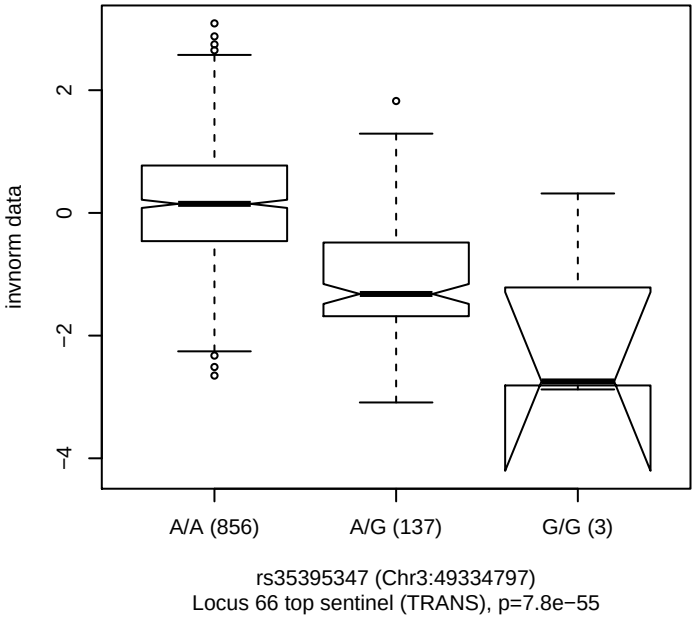

TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
Frequency
0
100
200
300
1000
2000
3000
4000
5000
6000
raw data
Thioredoxin domain−containing protein 12


TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
raw data
0
1000
2000
3000
4000
5000
A/A (856)
A/G (137)
G/G (3)
rs35395347 (Chr3:49334797)
Locus 66 top sentinel (TRANS), p=9.9e−45

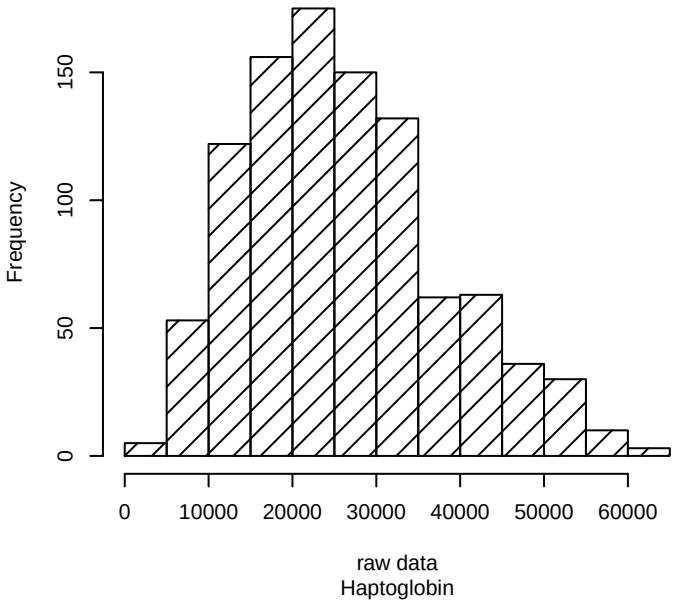

TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
Frequency
0
50
100
150
200
250
9.5
10.0
10.5
11.0
11.5
12.0
12.5
log2−scaled data
Thioredoxin domain−containing protein 12


TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
log2−scaled data
9.5
10.0
10.5
11.0
11.5
12.0
12.5
A/A (856)
A/G (137)
G/G (3)
rs35395347 (Chr3:49334797)
Locus 66 top sentinel (TRANS), p=3e−62, FC=−1.4134

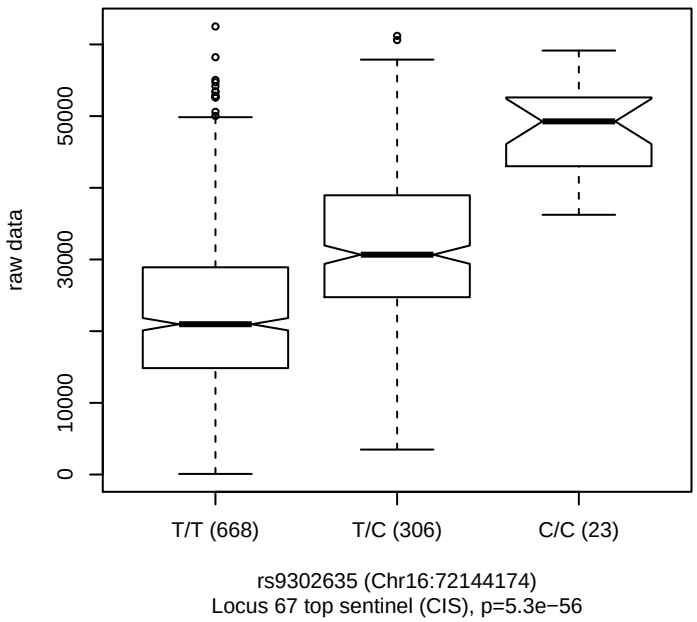

TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Thioredoxin domain−containing protein 12


TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
invnorm data
−4
−2
0
2
A/A (856)
A/G (137)
G/G (3)
rs35395347 (Chr3:49334797)
Locus 66 top sentinel (TRANS), p=7.8e−55

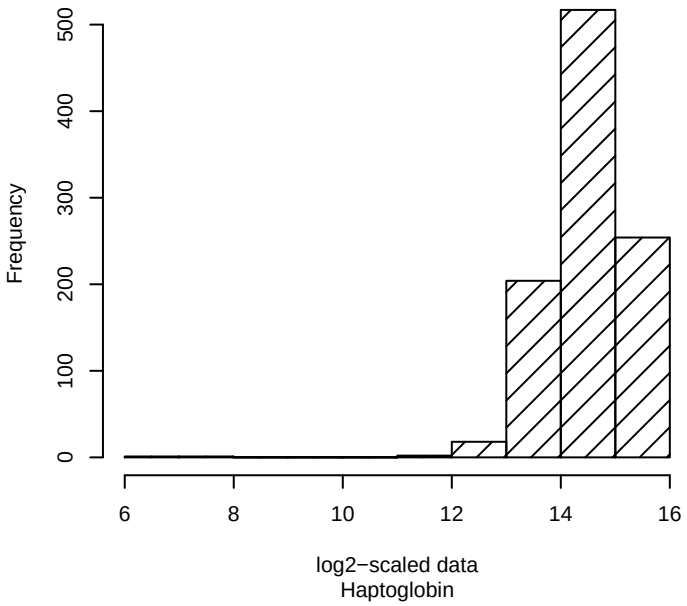
**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−3**



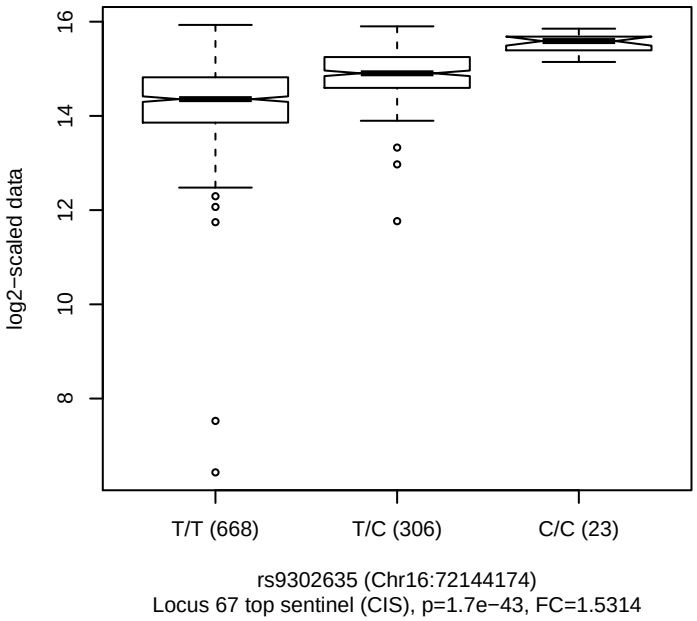

**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−3**



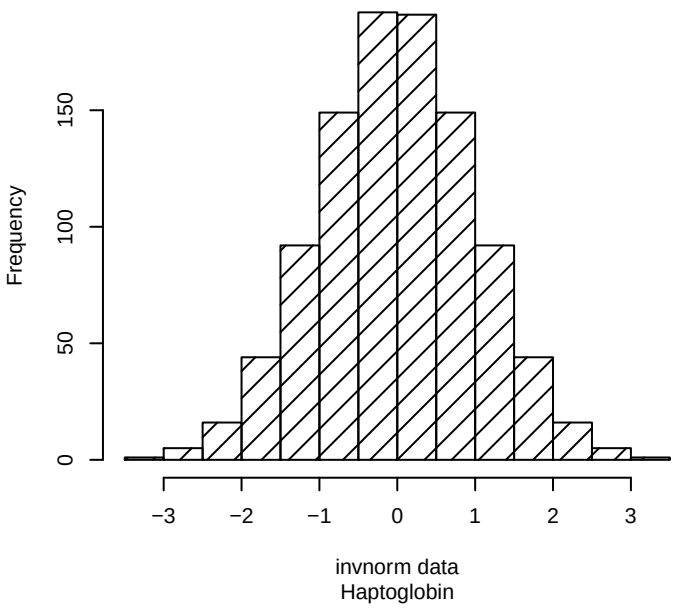

**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−3**



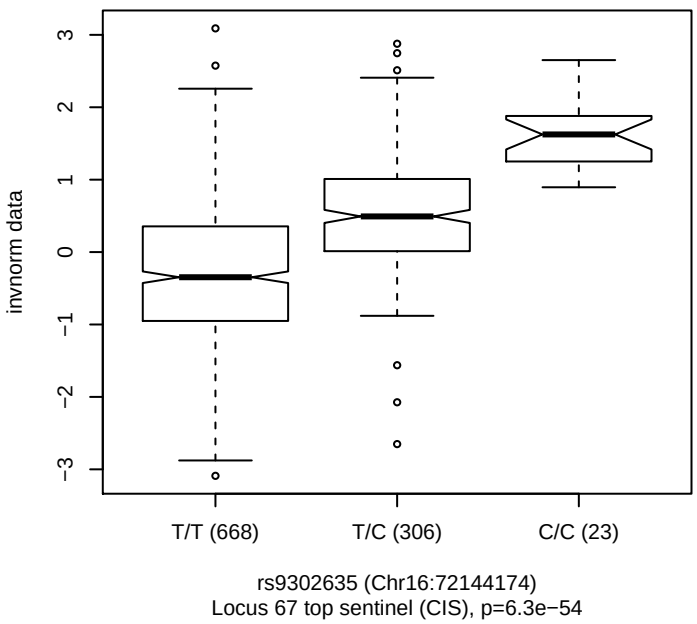

**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−3**



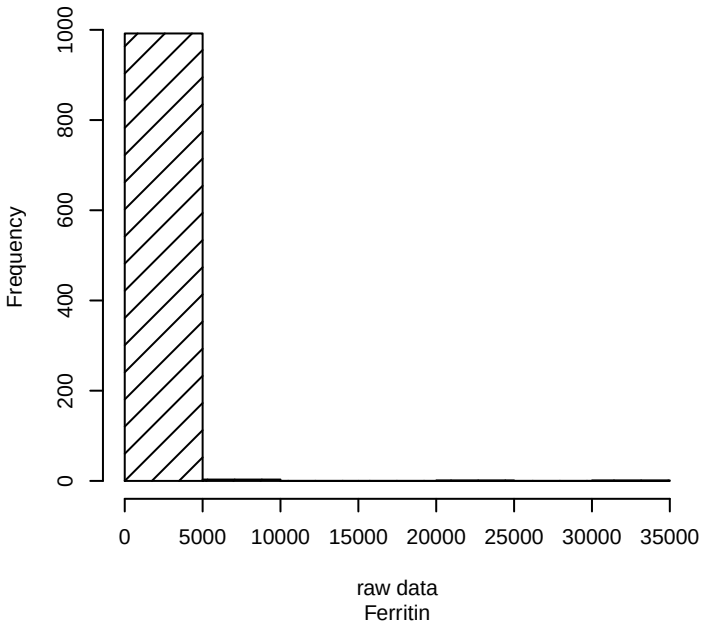

**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−3**



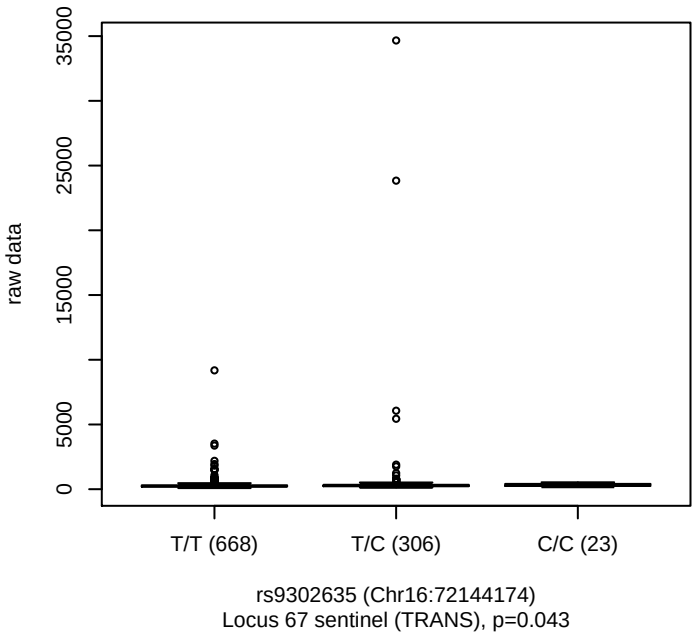

**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−3**



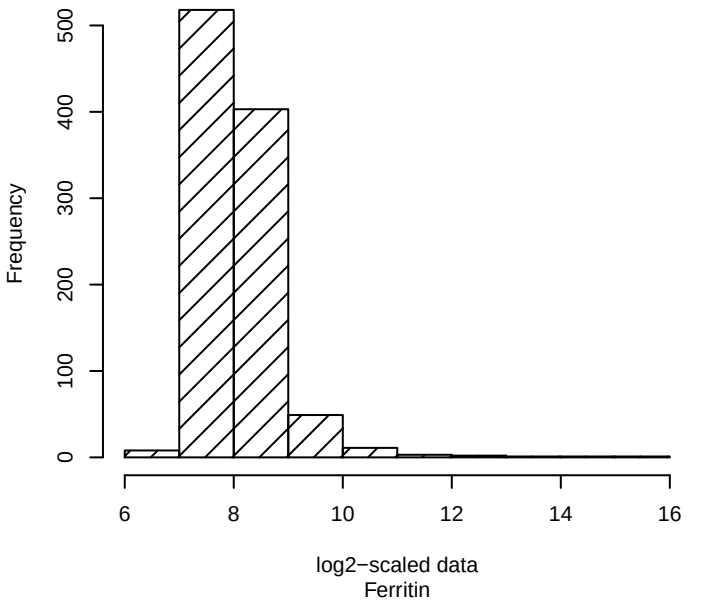
**Ferritin (Uniprot: P02794 P02792, ProbeID: 3031−66_1)**



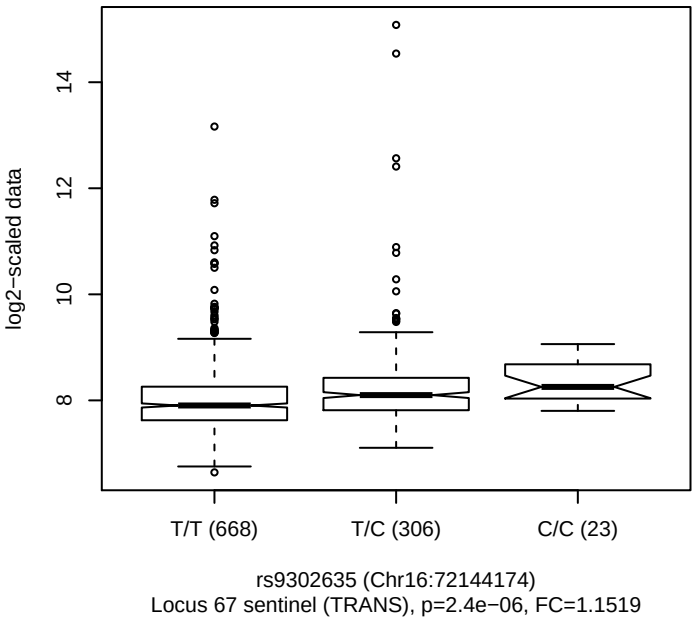

**Ferritin (Uniprot: P02794 P02792, ProbeID: 3031−66_1)**



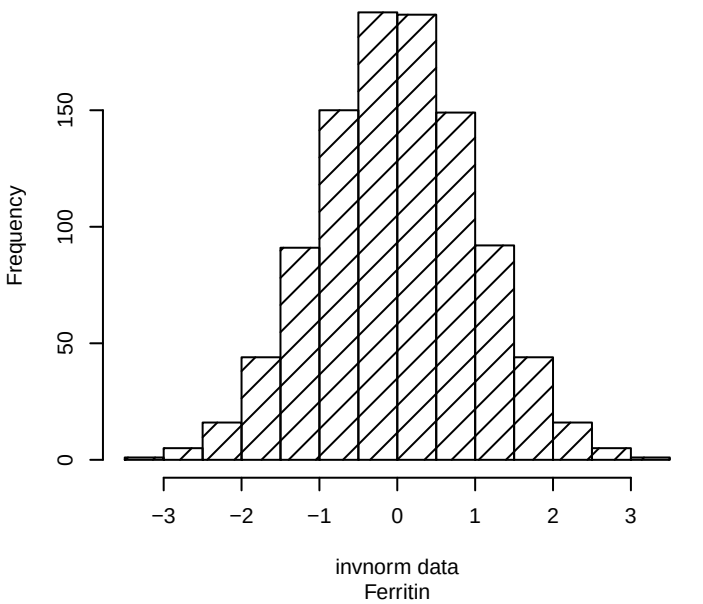

**Ferritin (Uniprot: P02794 P02792, ProbeID: 3031−66_1)**



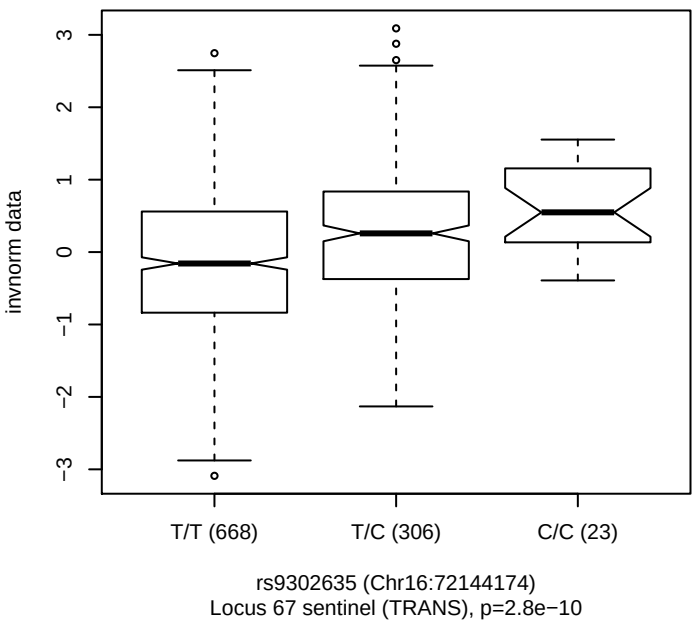

**Ferritin (Uniprot: P02794 P02792, ProbeID: 3031−66_1)**

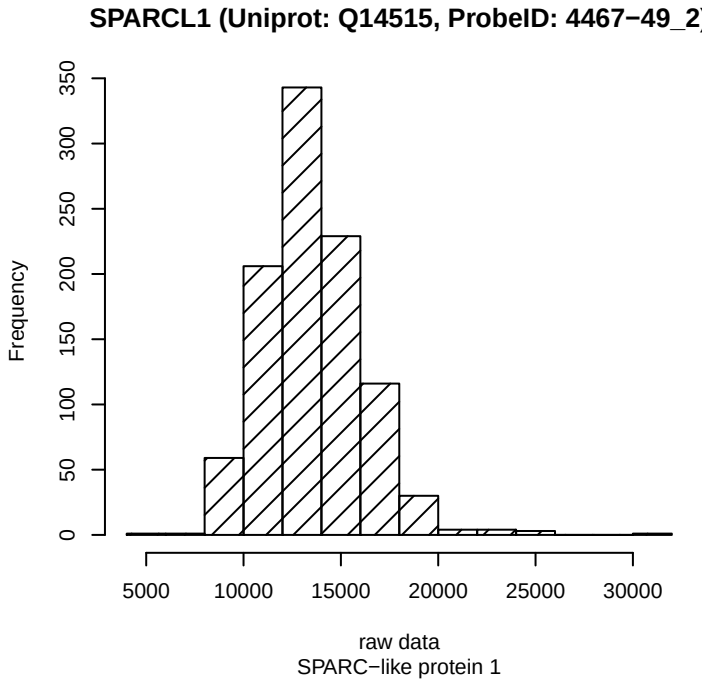


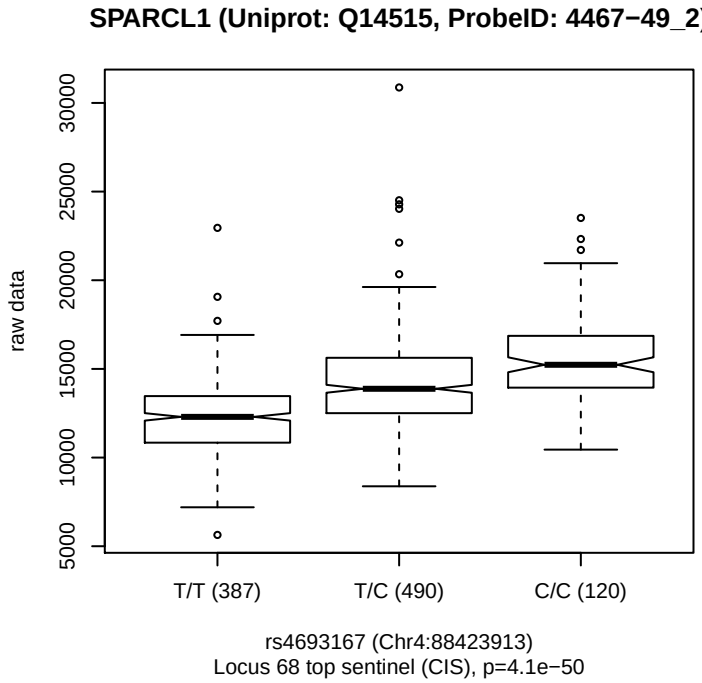

**Ferritin (Uniprot: P02794 P02792, ProbeID: 3031−66_1)**

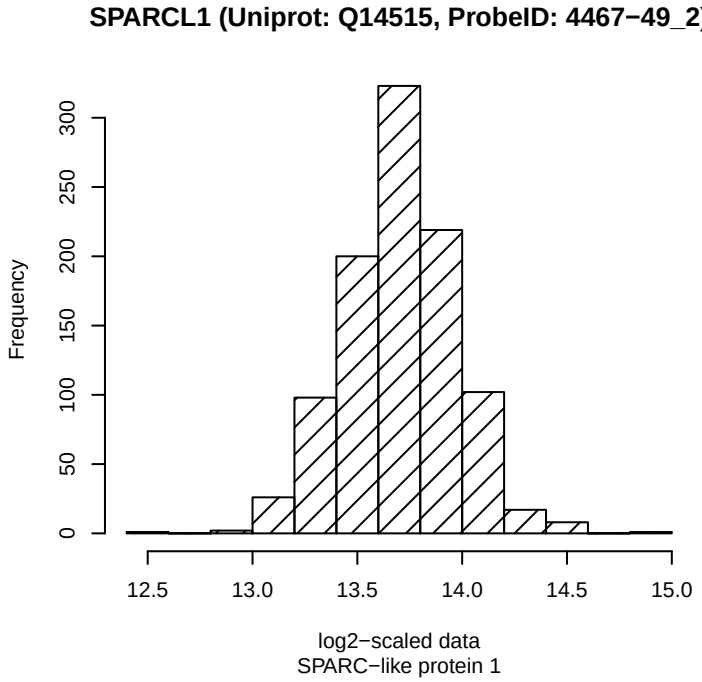


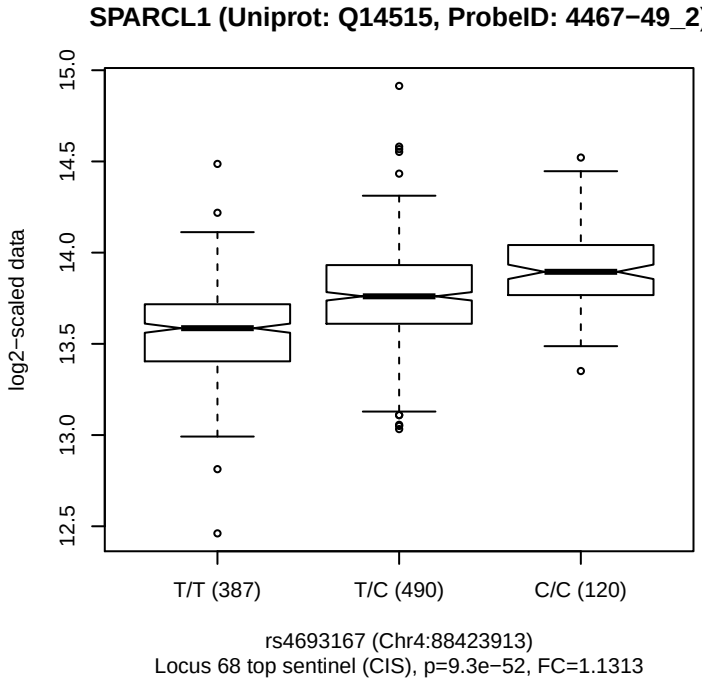

**Ferritin (Uniprot: P02794 P02792, ProbeID: 3031−66_1)**

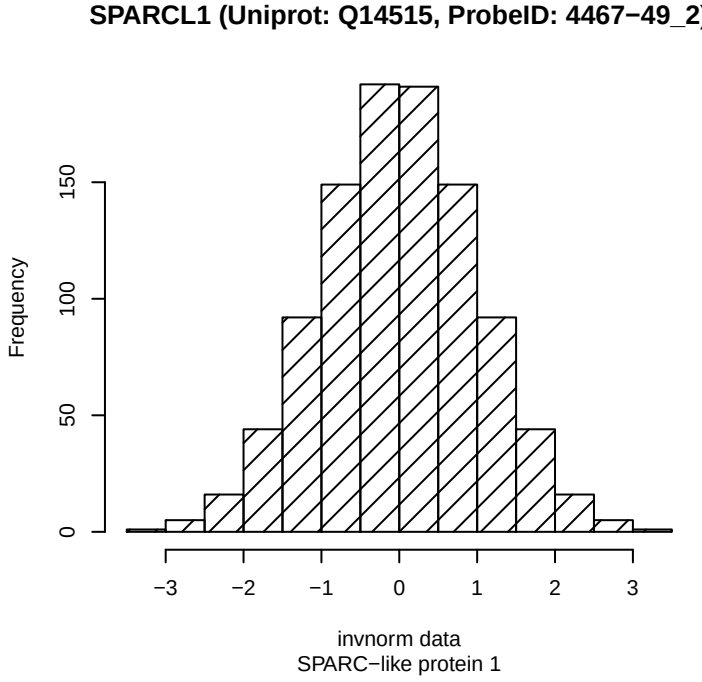


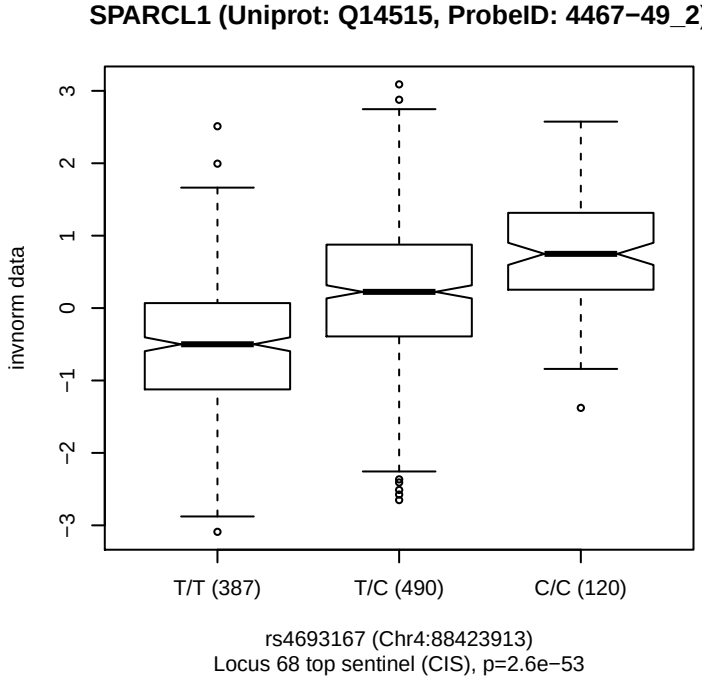

SPARCL1 (Uniprot: Q14515, ProbeID: 4467−49_2)
Frequency
0
50
100
150
200
250
300
350
5000
10000
15000
20000
25000
30000
raw data
SPARC−like protein 1

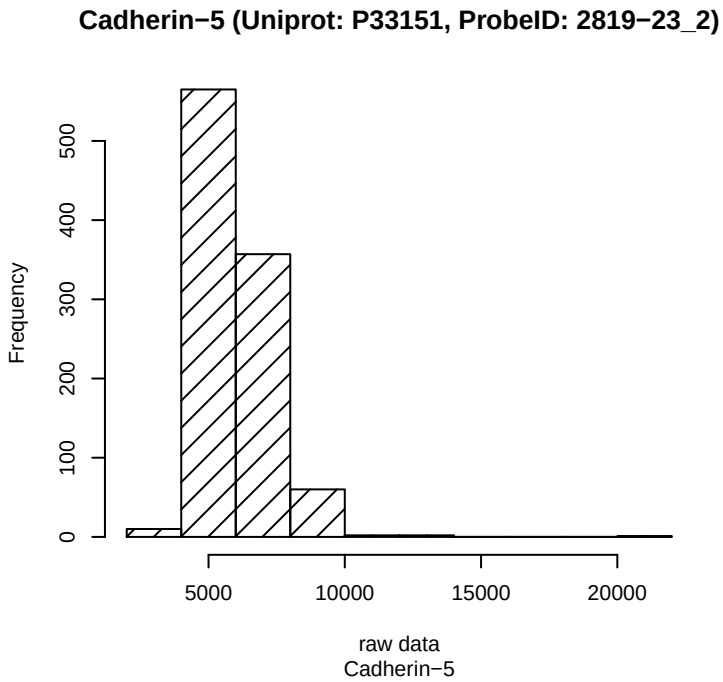

SPARCL1 (Uniprot: Q14515, ProbeID: 4467−49_2)
raw data
5000
10000
15000
20000
25000
30000
T/T (387)
T/C (490)
C/C (120)
rs4693167 (Chr4:88423913)
Locus 68 top sentinel (CIS), p=4.1e−50

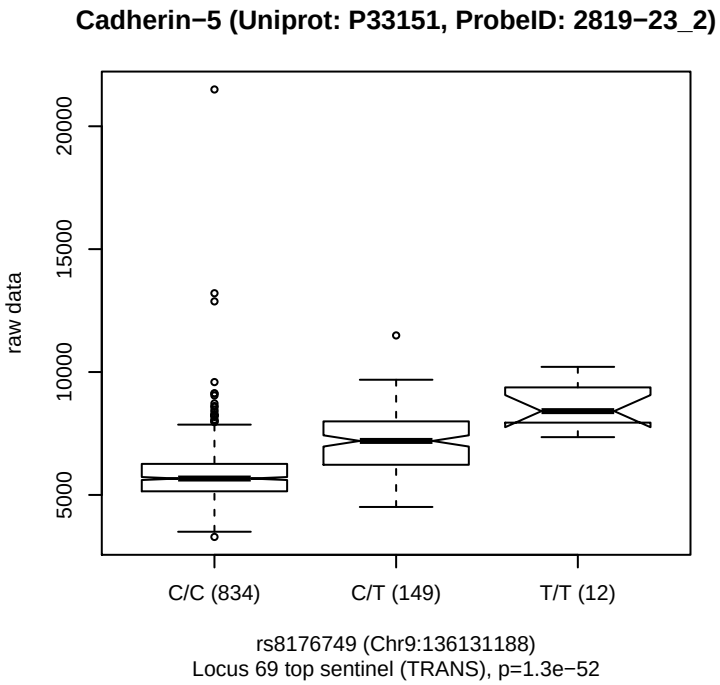

SPARCL1 (Uniprot: Q14515, ProbeID: 4467−49_2)
Frequency
0
50
100
150
200
250
300
12.5
13.0
13.5
14.0
14.5
15.0
log2−scaled data
SPARC−like protein 1

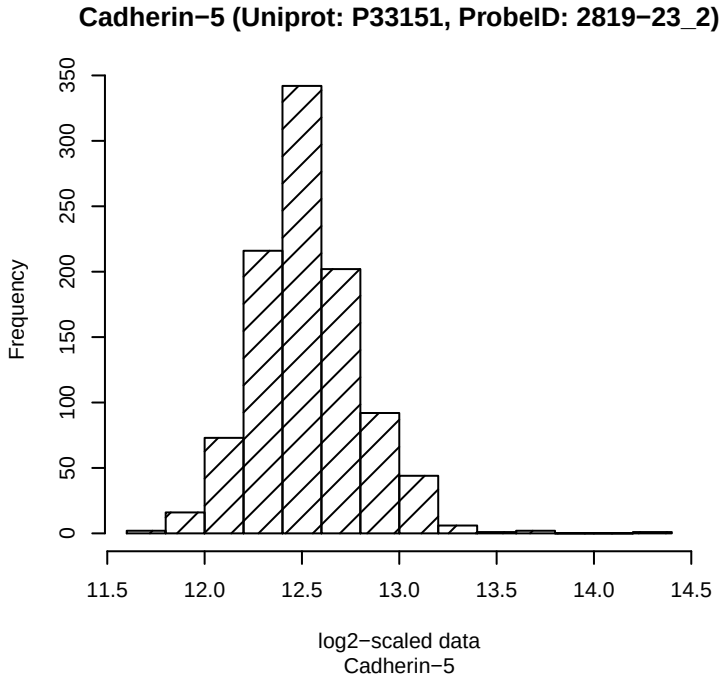

SPARCL1 (Uniprot: Q14515, ProbeID: 4467−49_2)
log2−scaled data
12.5
13.0
13.5
14.0
14.5
15.0
T/T (387)
T/C (490)
C/C (120)
rs4693167 (Chr4:88423913)
Locus 68 top sentinel (CIS), p=9.3e−52, FC=1.1313

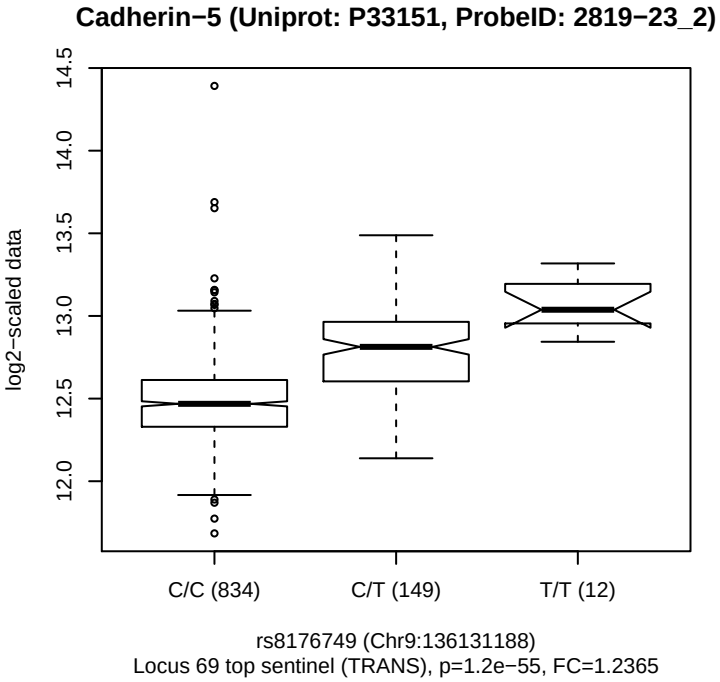

SPARCL1 (Uniprot: Q14515, ProbeID: 4467−49_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
SPARC−like protein 1

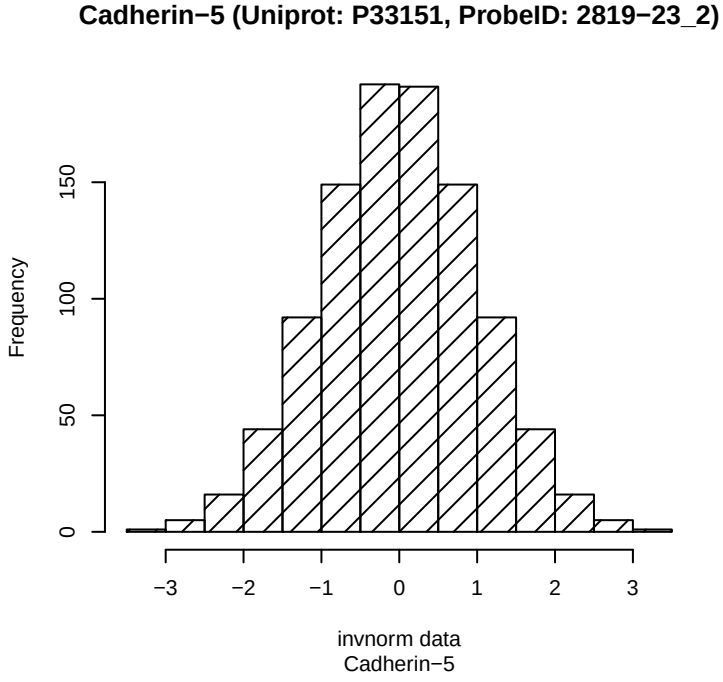

SPARCL1 (Uniprot: Q14515, ProbeID: 4467−49_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (387)
T/C (490)
C/C (120)
rs4693167 (Chr4:88423913)
Locus 68 top sentinel (CIS), p=2.6e−53

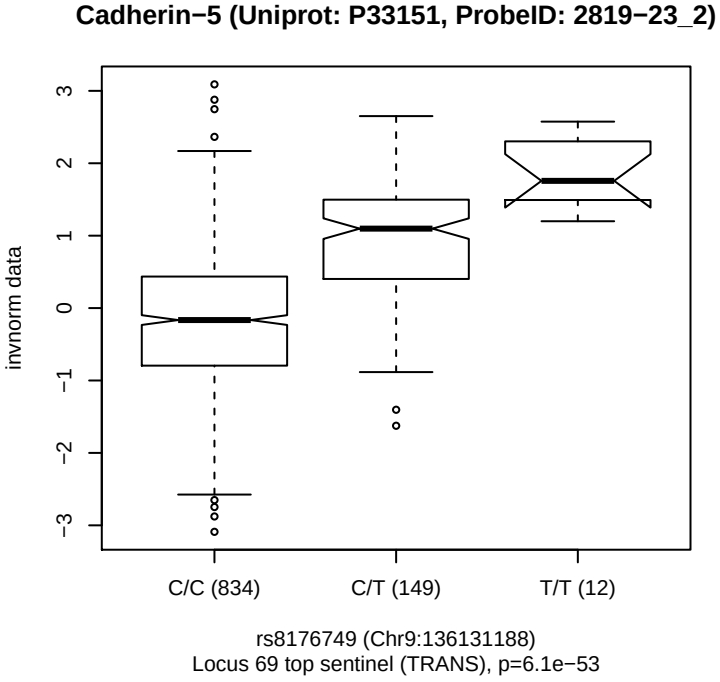

Cadherin−5 (Uniprot: P33151, ProbeID: 2819−23_2)
Frequency
0
100
200
300
400
500
5000
10000
15000
20000
raw data
Cadherin−5

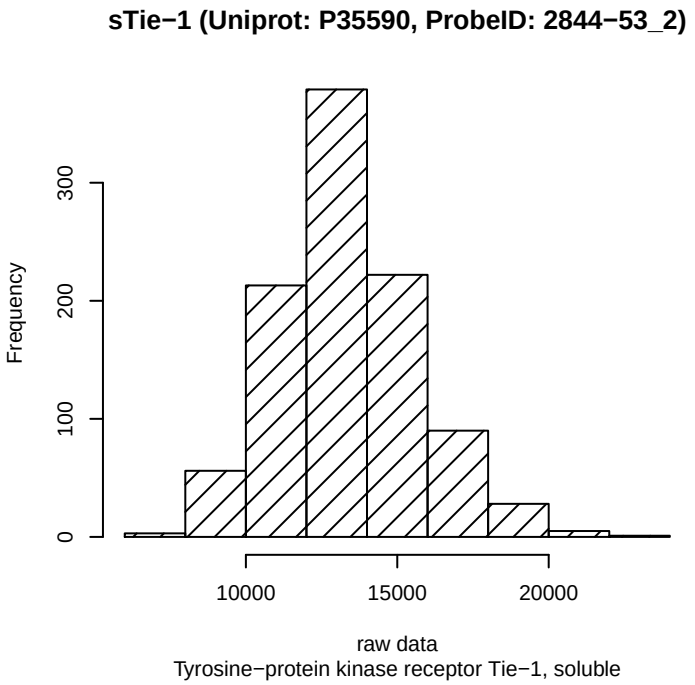

Cadherin−5 (Uniprot: P33151, ProbeID: 2819−23_2)
raw data
5000
10000
15000
20000
C/C (834)
C/T (149)
T/T (12)
rs8176749 (Chr9:136131188)
Locus 69 top sentinel (TRANS), p=1.3e−52

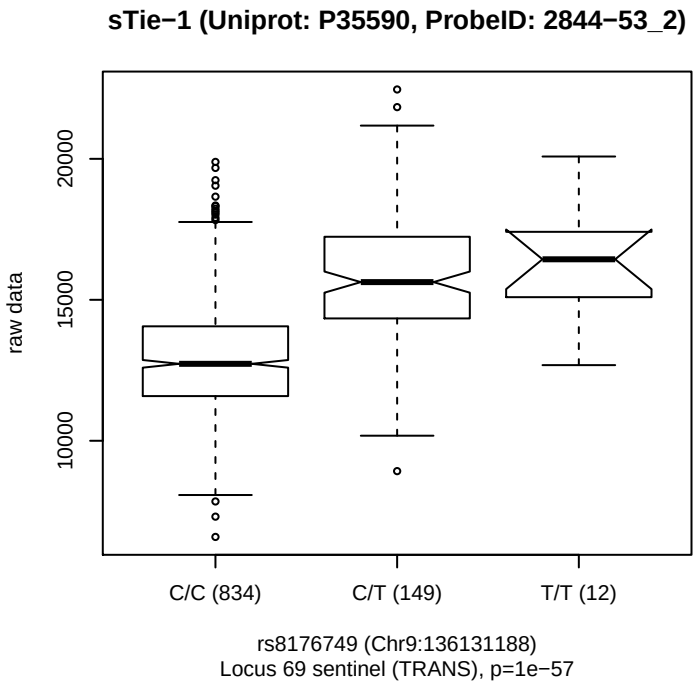

Cadherin−5 (Uniprot: P33151, ProbeID: 2819−23_2)
Frequency
0
50
100
150
200
250
300
350
11.5
12.0
12.5
13.0
13.5
14.0
14.5
log2−scaled data
Cadherin−5

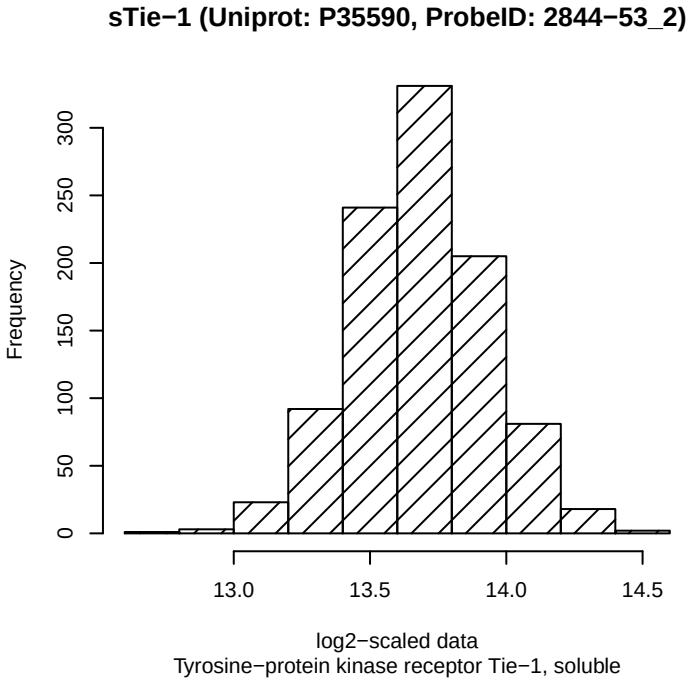

Cadherin−5 (Uniprot: P33151, ProbeID: 2819−23_2)
log2−scaled data
12.0
12.5
13.0
13.5
14.0
14.5
C/C (834)
C/T (149)
T/T (12)
rs8176749 (Chr9:136131188)
Locus 69 top sentinel (TRANS), p=1.2e−55, FC=1.2365

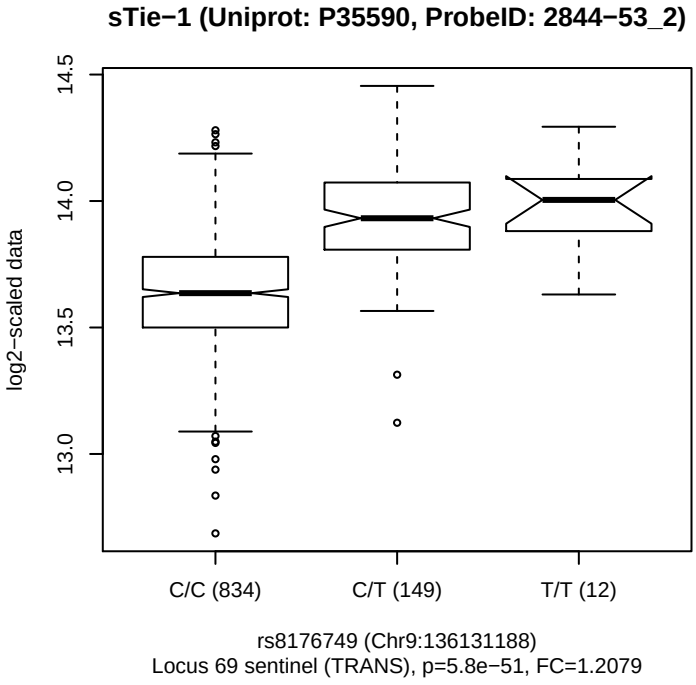

Cadherin−5 (Uniprot: P33151, ProbeID: 2819−23_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Cadherin−5

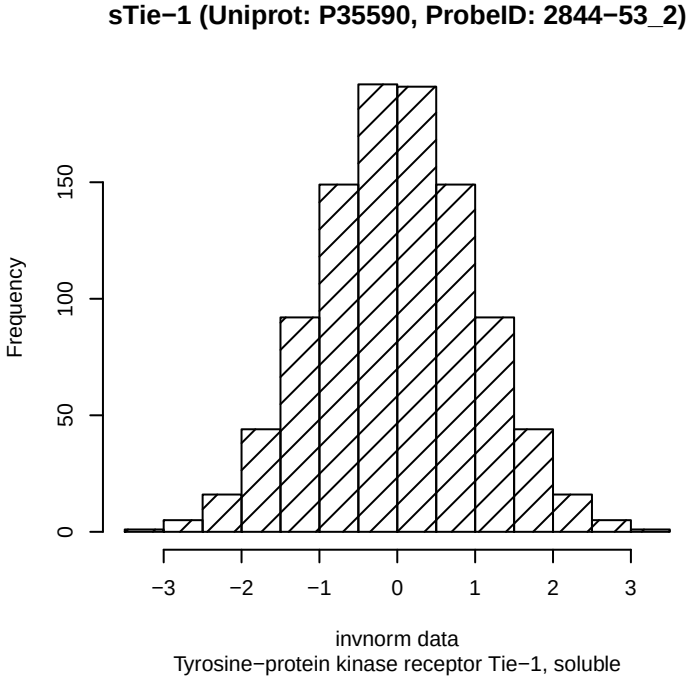

Cadherin−5 (Uniprot: P33151, ProbeID: 2819−23_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (834)
C/T (149)
T/T (12)
rs8176749 (Chr9:136131188)
Locus 69 top sentinel (TRANS), p=6.1e−53

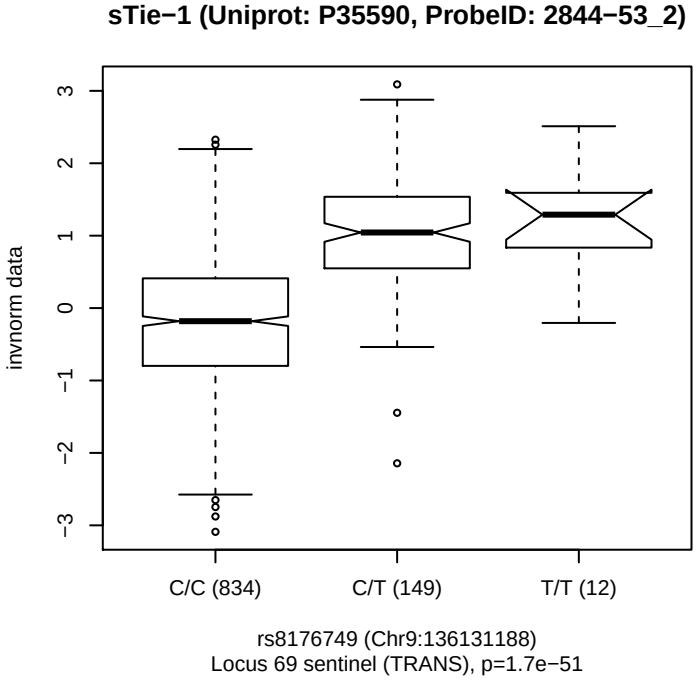

sTie−1 (Uniprot: P35590, ProbeID: 2844−53_2)
Frequency
0
100
200
300
10000
15000
20000
raw data
Tyrosine−protein kinase receptor Tie−1, soluble

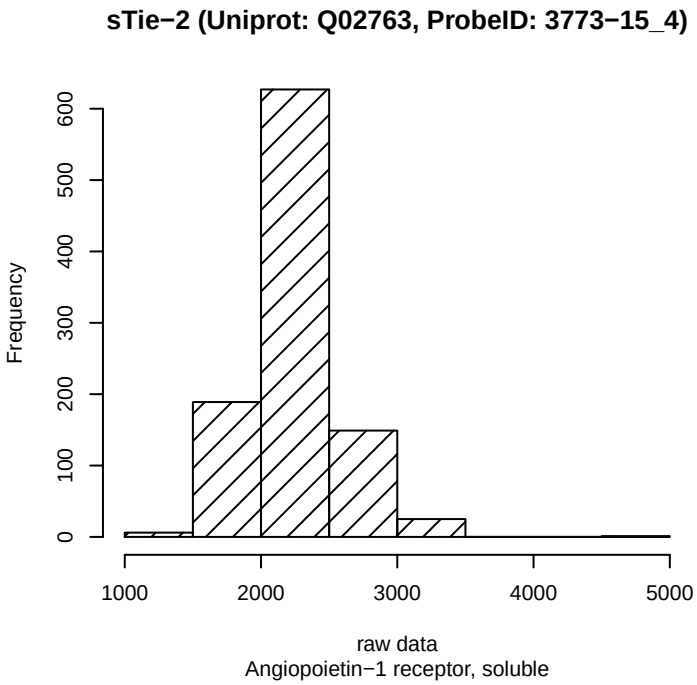

sTie−1 (Uniprot: P35590, ProbeID: 2844−53_2)
raw data
10000
15000
20000
C/C (834)
C/T (149)
T/T (12)
rs8176749 (Chr9:136131188)
Locus 69 sentinel (TRANS), p=1e−57

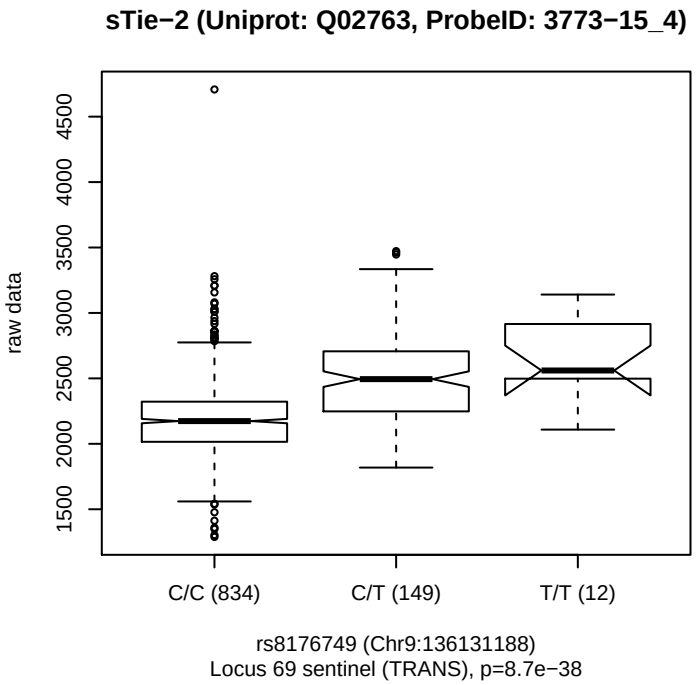

sTie−1 (Uniprot: P35590, ProbeID: 2844−53_2)
Frequency
0
50
100
150
200
250
300
13.0
13.5
14.0
14.5
log2−scaled data
Tyrosine−protein kinase receptor Tie−1, soluble

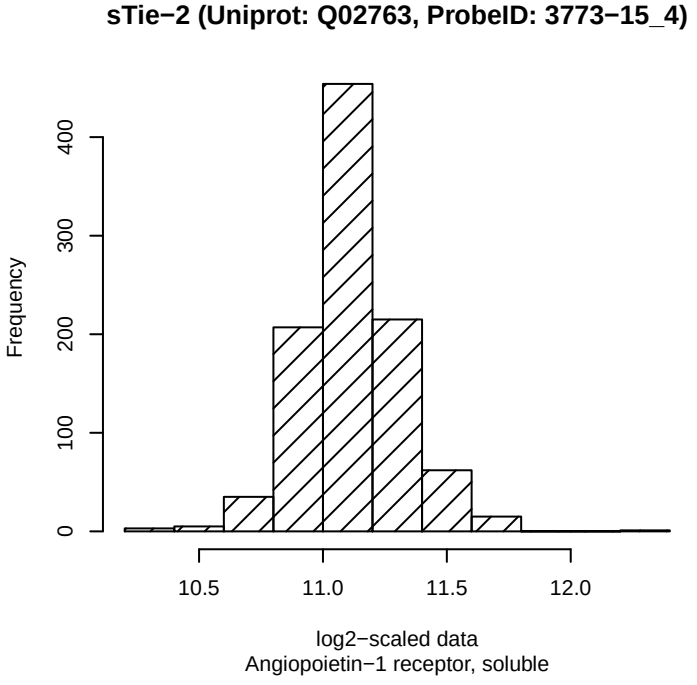

sTie−1 (Uniprot: P35590, ProbeID: 2844−53_2)
log2−scaled data
13.0
13.5
14.0
14.5
C/C (834)
C/T (149)
T/T (12)
rs8176749 (Chr9:136131188)
Locus 69 sentinel (TRANS), p=5.8e−51, FC=1.2079

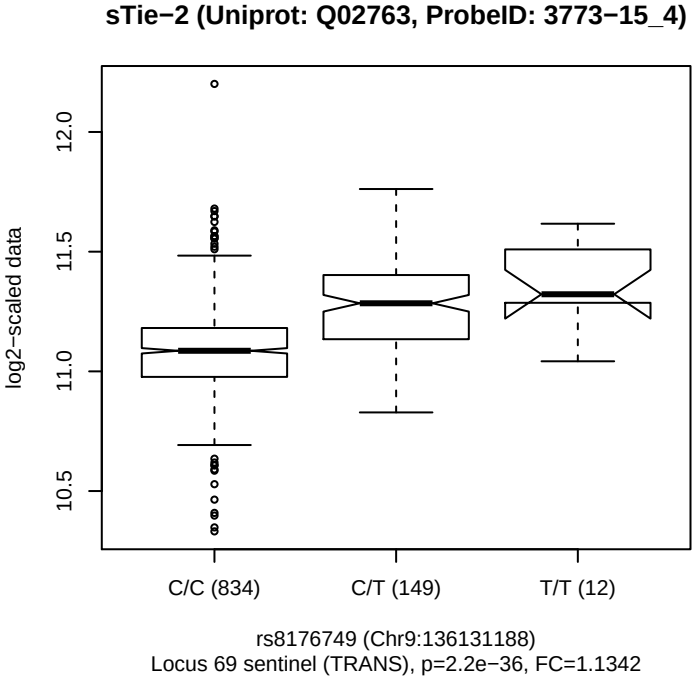

sTie−1 (Uniprot: P35590, ProbeID: 2844−53_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Tyrosine−protein kinase receptor Tie−1, soluble

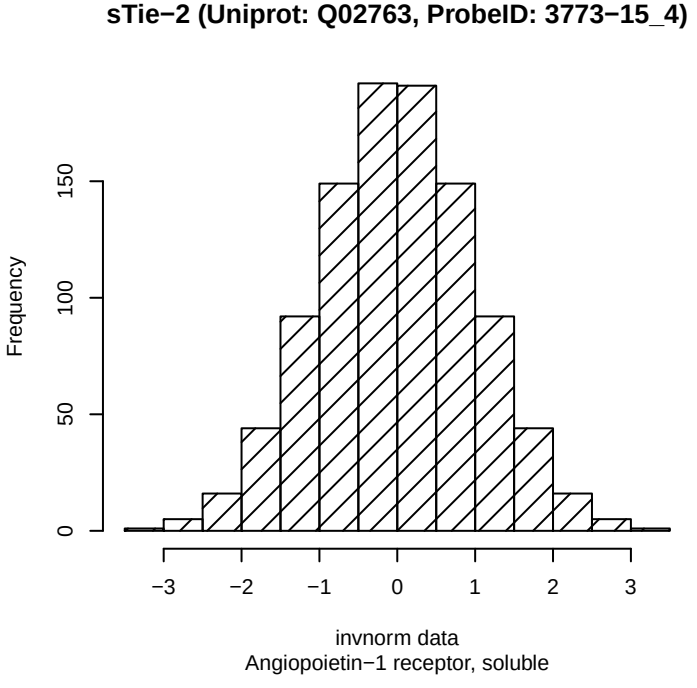

sTie−1 (Uniprot: P35590, ProbeID: 2844−53_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (834)
C/T (149)
T/T (12)
rs8176749 (Chr9:136131188)
Locus 69 sentinel (TRANS), p=1.7e−51

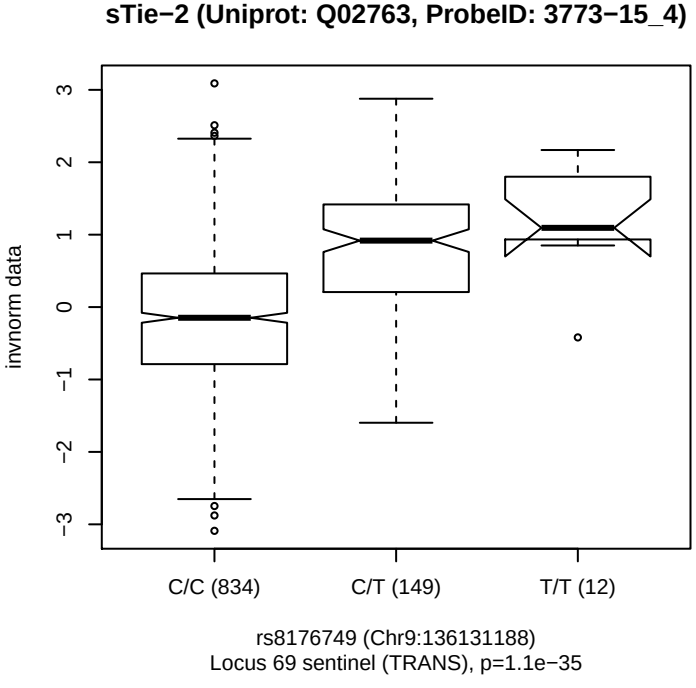

sTie−2 (Uniprot: Q02763, ProbeID: 3773−15_4)
Frequency
0
100
200
300
400
500
600
1000
2000
3000
4000
5000
raw data
Angiopoietin−1 receptor, soluble

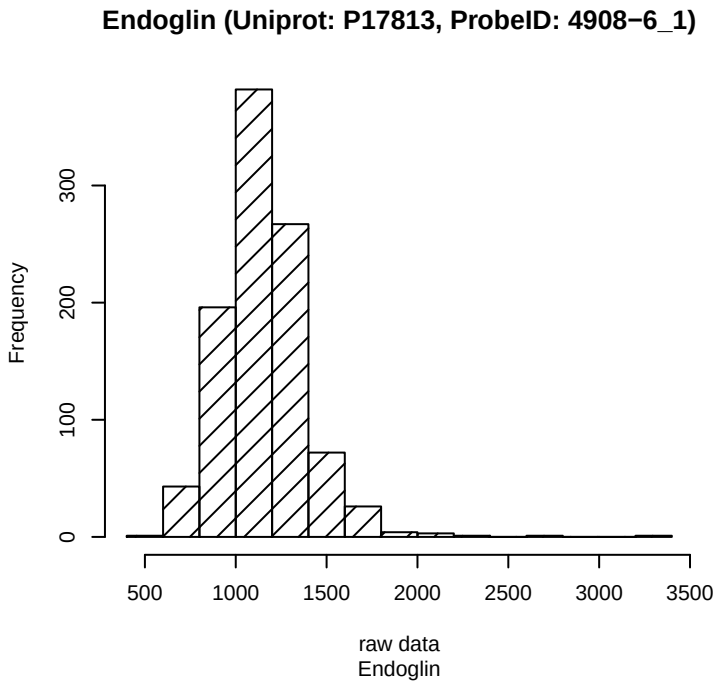

sTie−2 (Uniprot: Q02763, ProbeID: 3773−15_4)
raw data
1500
2000
2500
3000
3500
4000
4500
C/C (834)
C/T (149)
T/T (12)
rs8176749 (Chr9:136131188)
Locus 69 sentinel (TRANS), p=8.7e−38

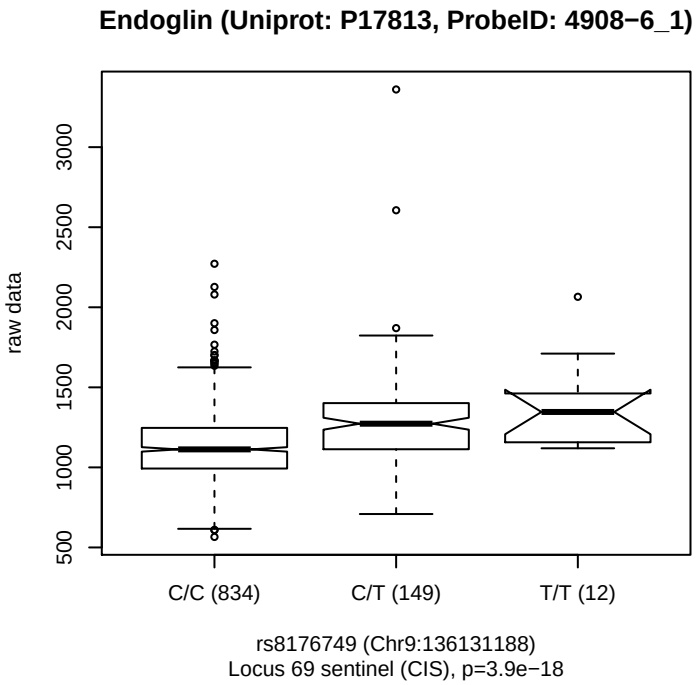

sTie−2 (Uniprot: Q02763, ProbeID: 3773−15_4)
Frequency
0
100
200
300
400
10.5
11.0
11.5
12.0
log2−scaled data
Angiopoietin−1 receptor, soluble

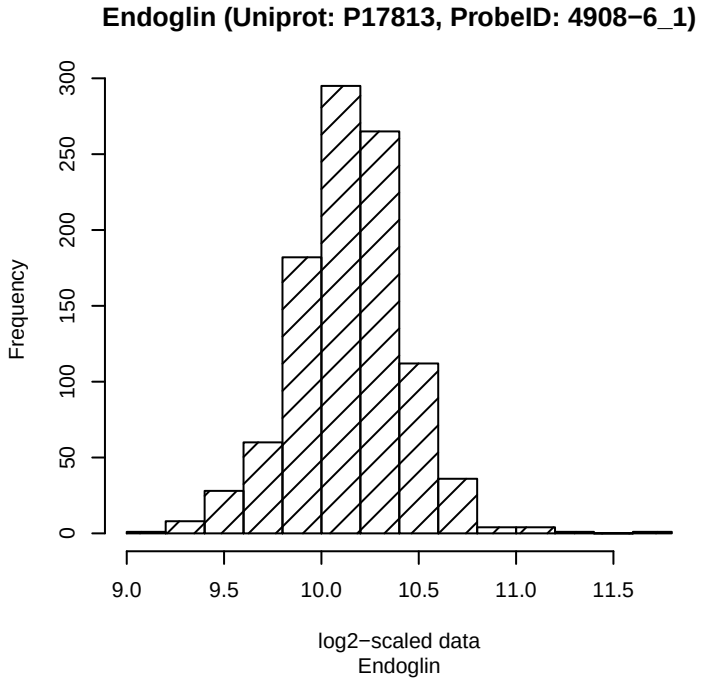

sTie−2 (Uniprot: Q02763, ProbeID: 3773−15_4)
log2−scaled data
10.5
11.0
11.5
12.0
C/C (834)
C/T (149)
T/T (12)
rs8176749 (Chr9:136131188)
Locus 69 sentinel (TRANS), p=2.2e−36, FC=1.1342

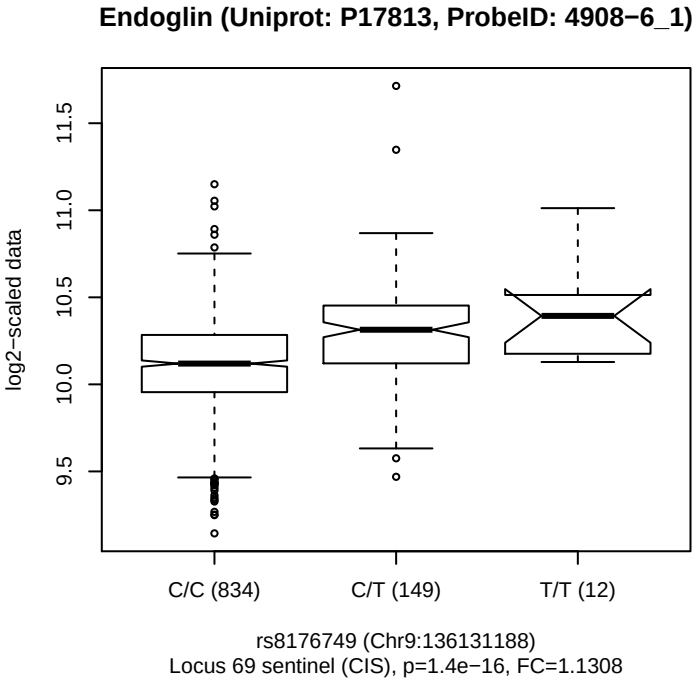

sTie−2 (Uniprot: Q02763, ProbeID: 3773−15_4)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Angiopoietin−1 receptor, soluble

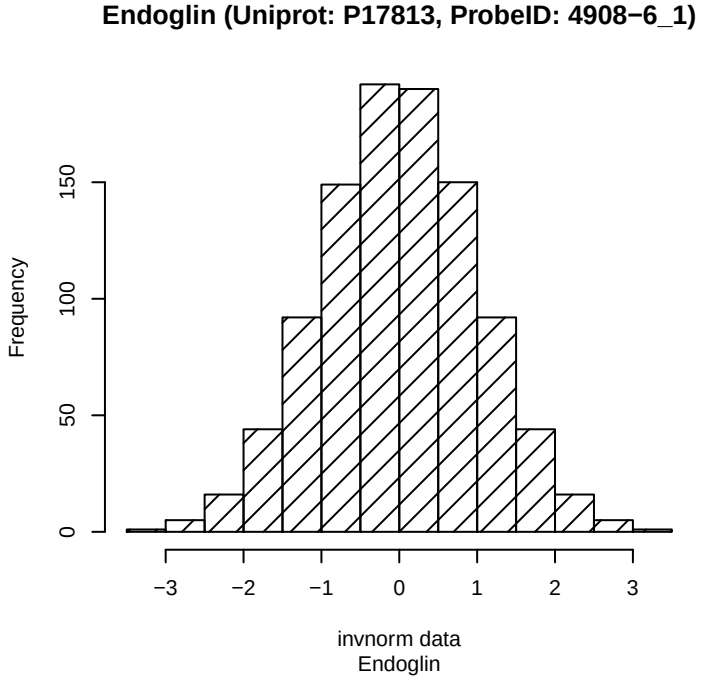

sTie−2 (Uniprot: Q02763, ProbeID: 3773−15_4)
invnorm data
−3
−2
−1
0
1
2
3
C/C (834)
C/T (149)
T/T (12)
rs8176749 (Chr9:136131188)
Locus 69 sentinel (TRANS), p=1.1e−35

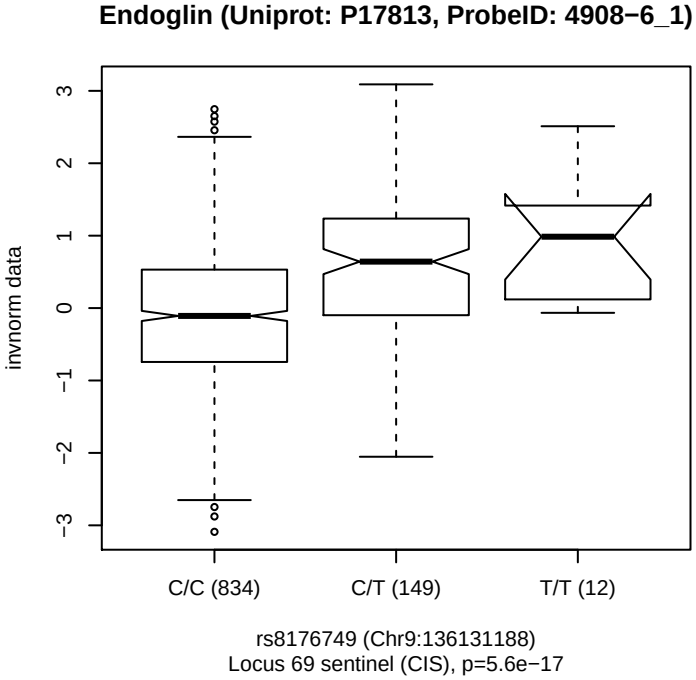

Endoglin (Uniprot: P17813, ProbeID: 4908−6_1)
Frequency
0
100
200
300
500
1000
1500
2000
2500
3000
3500
raw data
Endoglin

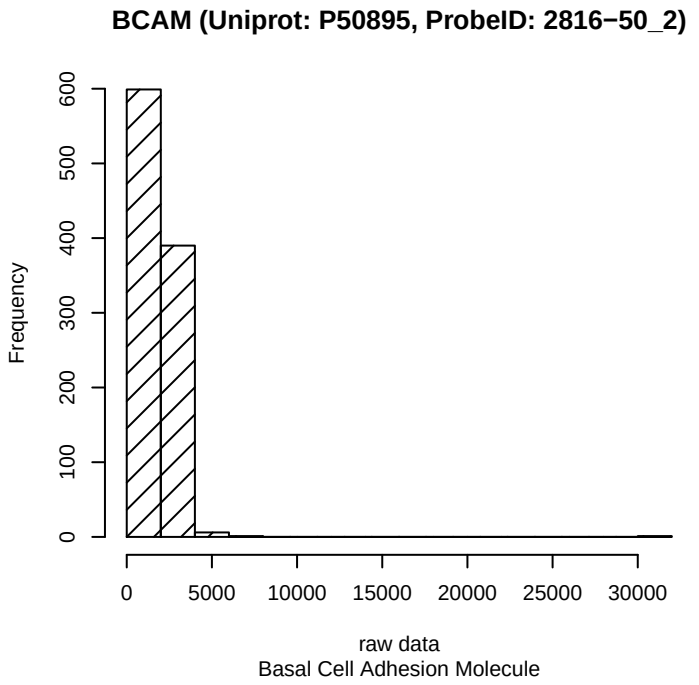

Endoglin (Uniprot: P17813, ProbeID: 4908−6_1)
raw data
500
1000
1500
2000
2500
3000
C/C (834)
C/T (149)
T/T (12)
rs8176749 (Chr9:136131188)
Locus 69 sentinel (CIS), p=3.9e−18

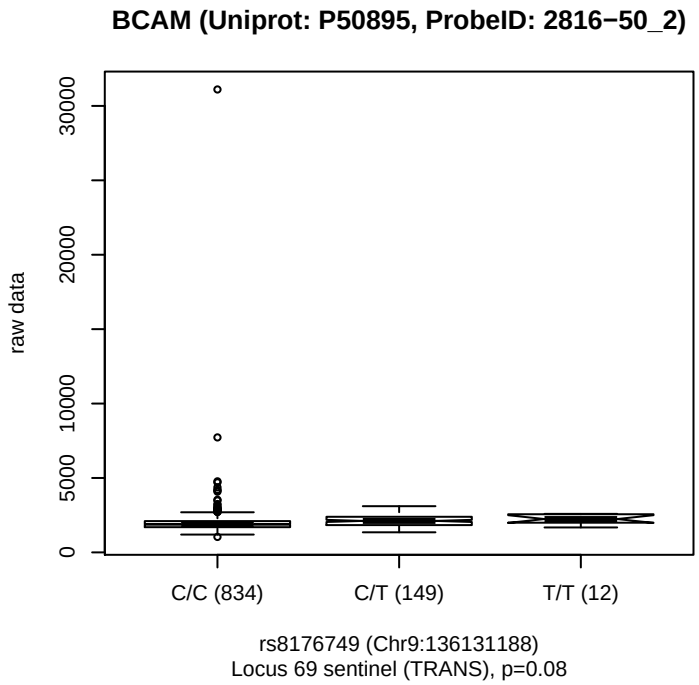

Endoglin (Uniprot: P17813, ProbeID: 4908−6_1)
Frequency
0
50
100
150
200
250
300
9.0
9.5
10.0
10.5
11.0
11.5
log2−scaled data
Endoglin

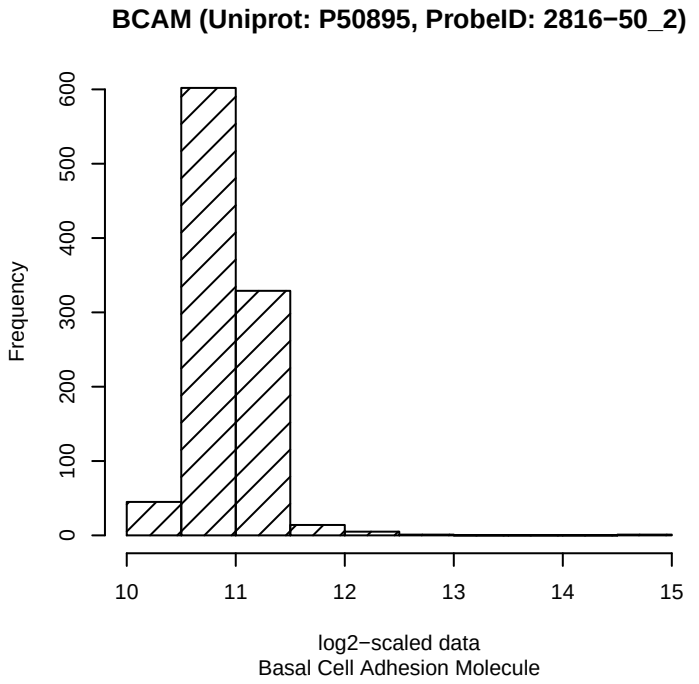

Endoglin (Uniprot: P17813, ProbeID: 4908−6_1)
log2−scaled data
9.5
10.0
10.5
11.0
11.5
C/C (834)
C/T (149)
T/T (12)
rs8176749 (Chr9:136131188)
Locus 69 sentinel (CIS), p=1.4e−16, FC=1.1308

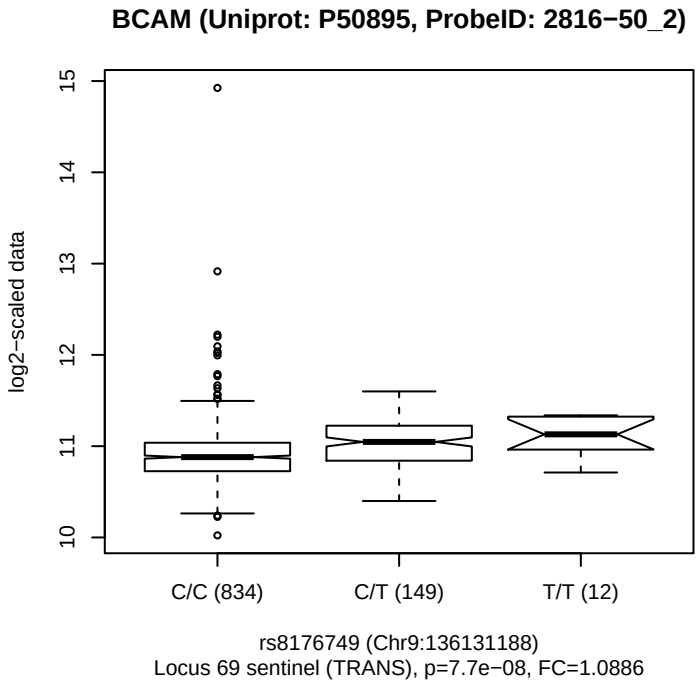

Endoglin (Uniprot: P17813, ProbeID: 4908−6_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Endoglin

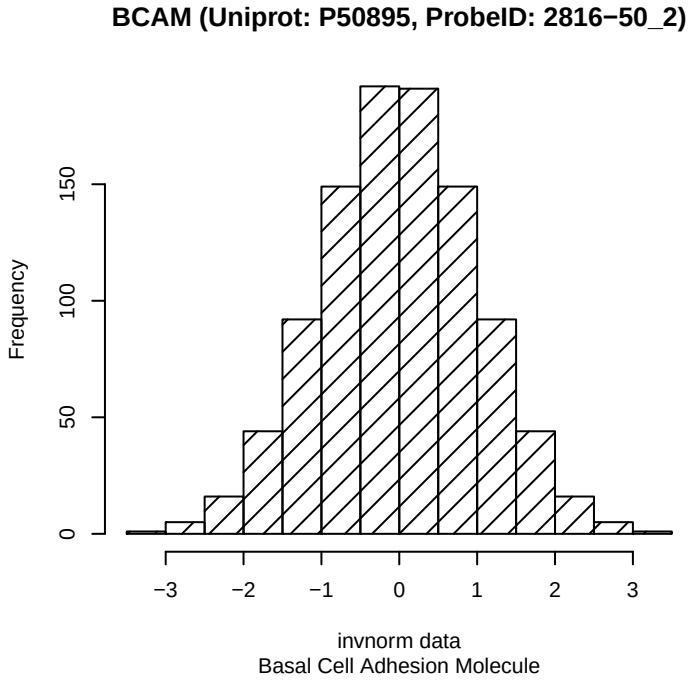

Endoglin (Uniprot: P17813, ProbeID: 4908−6_1)
invnorm data
−3
−2
−1
0
1
2
3
C/C (834)
C/T (149)
T/T (12)
rs8176749 (Chr9:136131188)
Locus 69 sentinel (CIS), p=5.6e−17

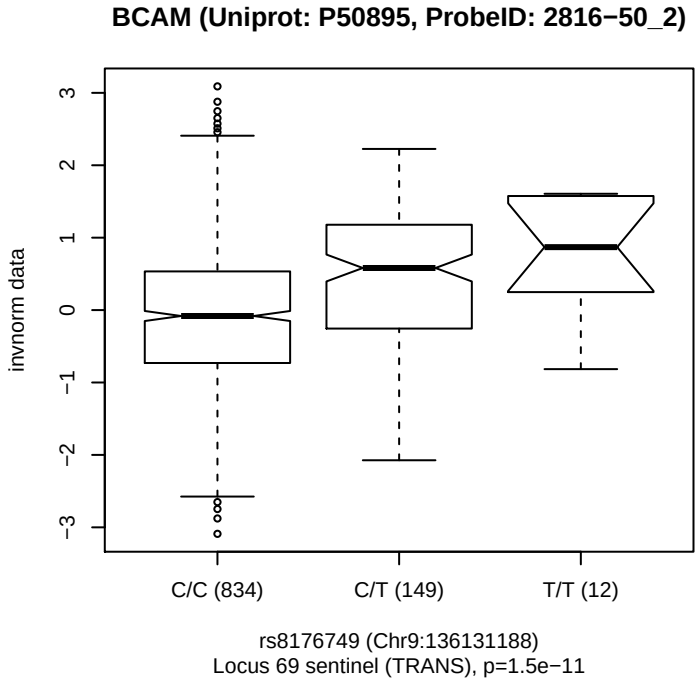

BCAM (Uniprot: P50895, ProbeID: 2816−50_2)
Frequency
0
100
200
300
400
500
600
0
5000
10000
15000
20000
25000
30000
raw data
Basal Cell Adhesion Molecule

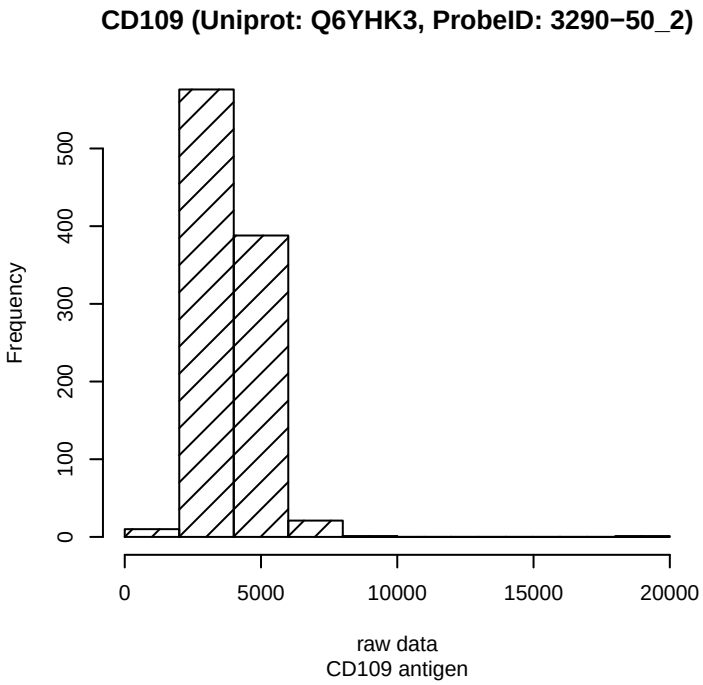

BCAM (Uniprot: P50895, ProbeID: 2816−50_2)
raw data
0
5000
10000
20000
30000
C/C (834)
C/T (149)
T/T (12)
rs8176749 (Chr9:136131188)
Locus 69 sentinel (TRANS), p=0.08

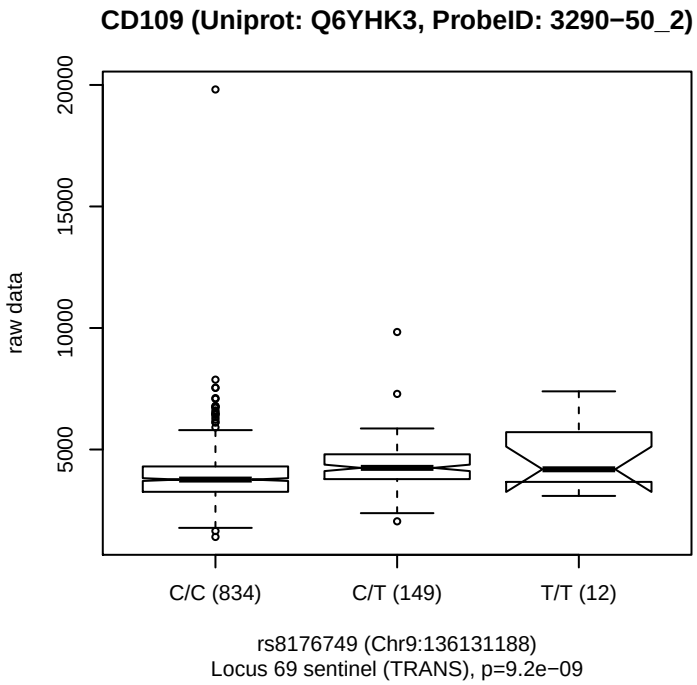

BCAM (Uniprot: P50895, ProbeID: 2816−50_2)
Frequency
0
100
200
300
400
500
600
10
11
12
13
14
15
log2−scaled data
Basal Cell Adhesion Molecule

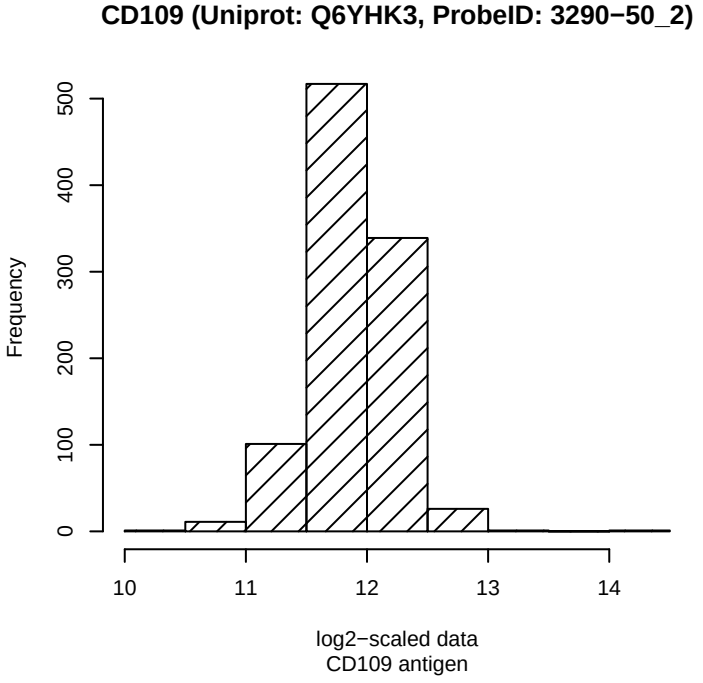

BCAM (Uniprot: P50895, ProbeID: 2816−50_2)
log2−scaled data
10
11
12
13
14
15
C/C (834)
C/T (149)
T/T (12)
rs8176749 (Chr9:136131188)
Locus 69 sentinel (TRANS), p=7.7e−08, FC=1.0886

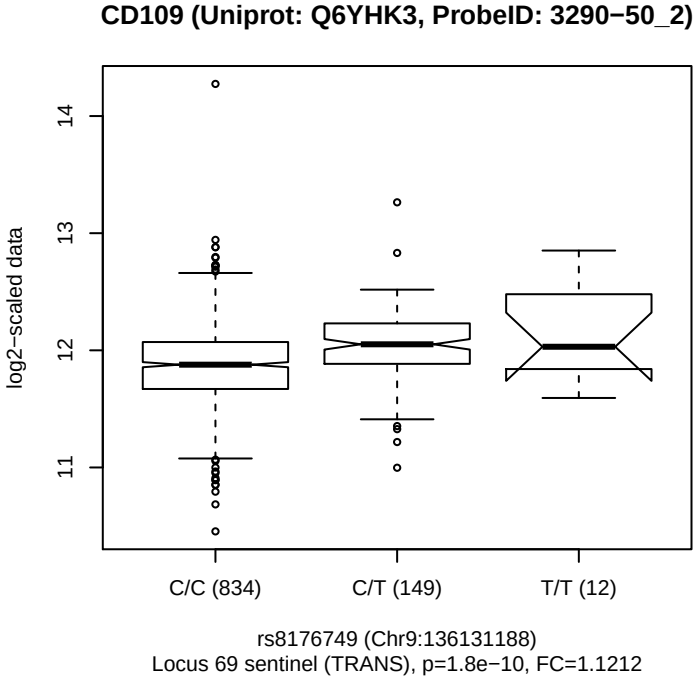

BCAM (Uniprot: P50895, ProbeID: 2816−50_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Basal Cell Adhesion Molecule

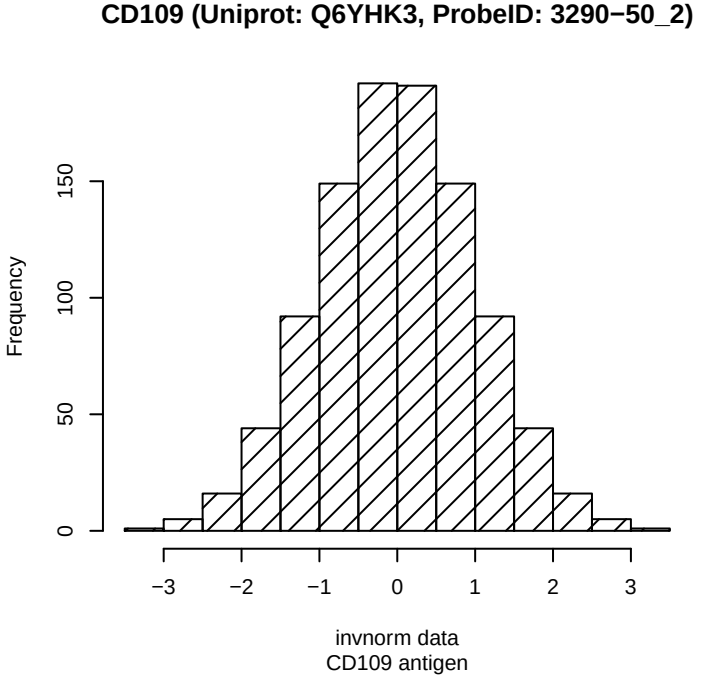

BCAM (Uniprot: P50895, ProbeID: 2816−50_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (834)
C/T (149)
T/T (12)
rs8176749 (Chr9:136131188)
Locus 69 sentinel (TRANS), p=1.5e−11

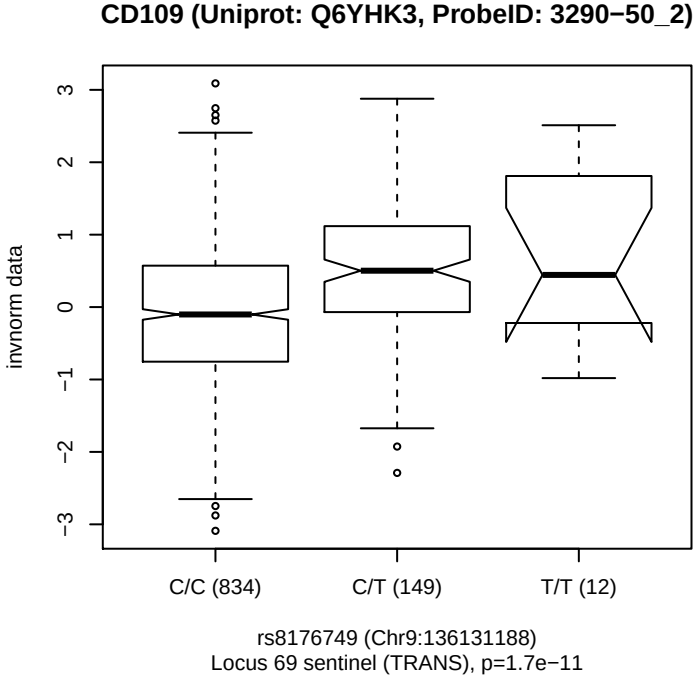

CD109 (Uniprot: Q6YHK3, ProbeID: 3290−50_2)
Frequency
0
100
200
300
400
500
0
5000
10000
15000
20000
raw data
CD109 antigen

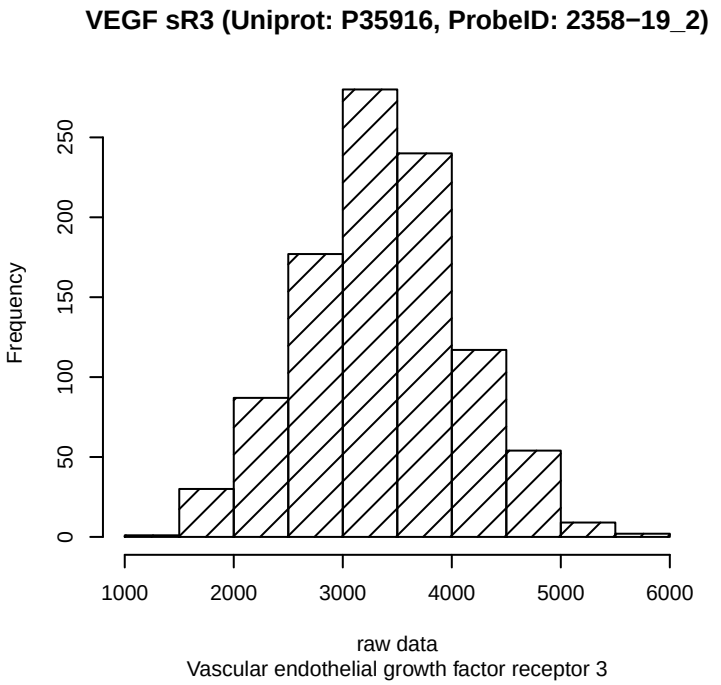

CD109 (Uniprot: Q6YHK3, ProbeID: 3290−50_2)
raw data
5000
10000
15000
20000
C/C (834)
C/T (149)
T/T (12)
rs8176749 (Chr9:136131188)
Locus 69 sentinel (TRANS), p=9.2e−09

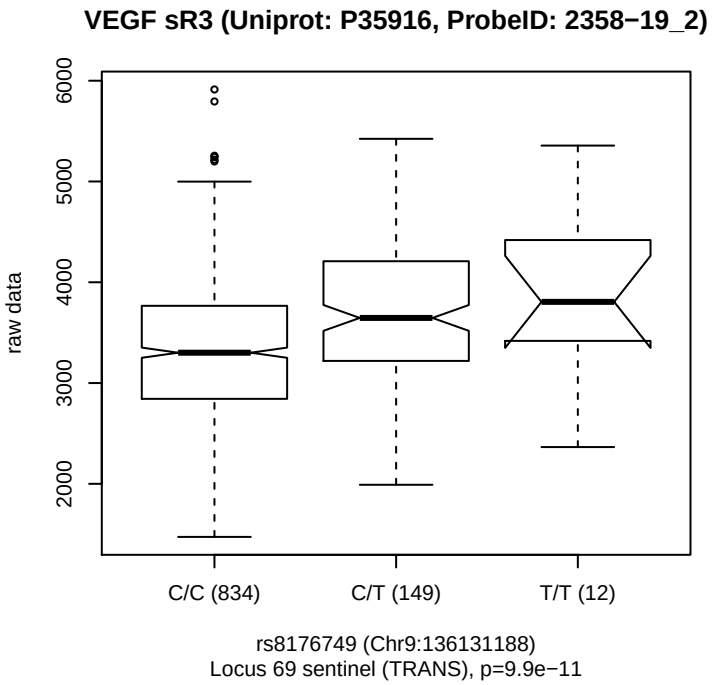

CD109 (Uniprot: Q6YHK3, ProbeID: 3290−50_2)
Frequency
0
100
200
300
400
500
10
11
12
13
14
log2−scaled data
CD109 antigen

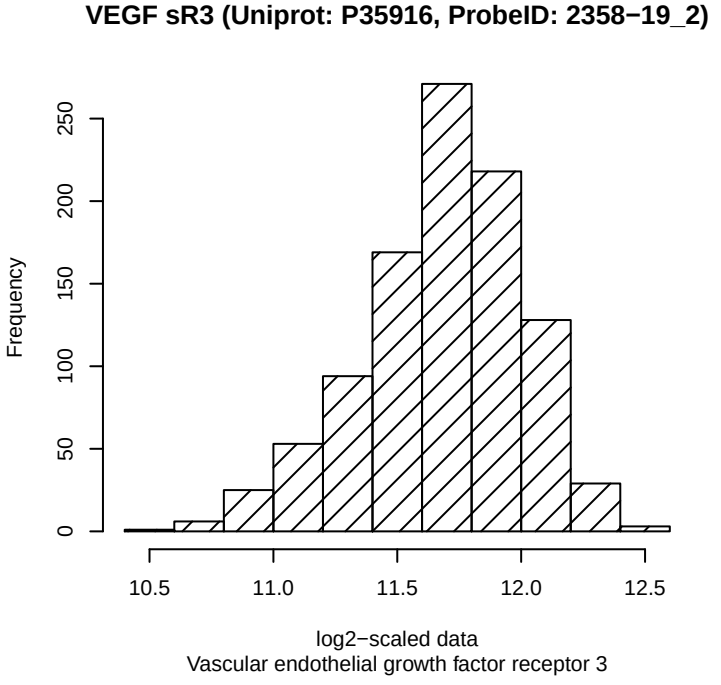

CD109 (Uniprot: Q6YHK3, ProbeID: 3290−50_2)
log2−scaled data
11
12
13
14
C/C (834)
C/T (149)
T/T (12)
rs8176749 (Chr9:136131188)
Locus 69 sentinel (TRANS), p=1.8e−10, FC=1.1212

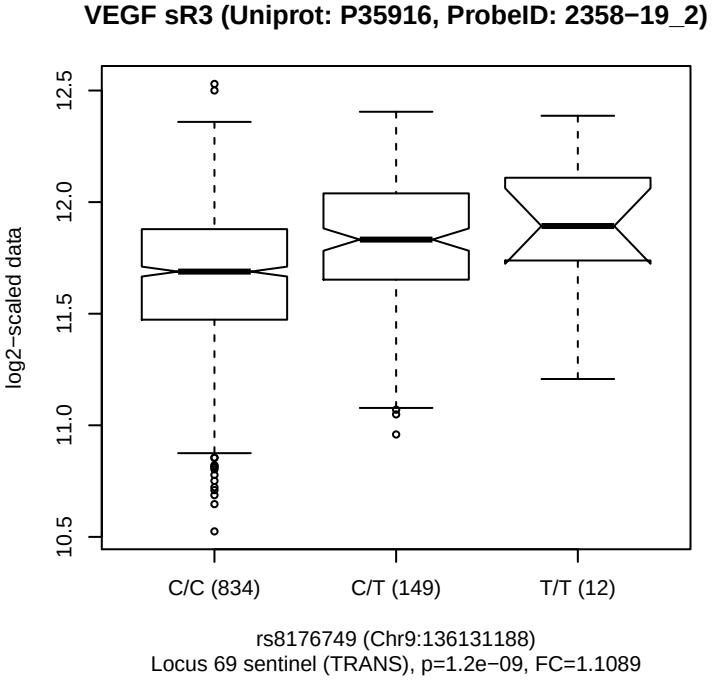

CD109 (Uniprot: Q6YHK3, ProbeID: 3290−50_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
CD109 antigen

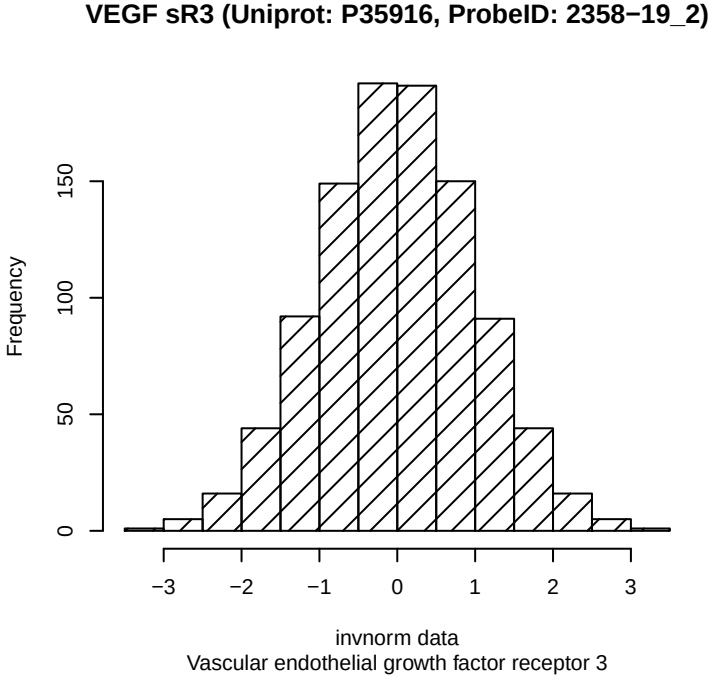

CD109 (Uniprot: Q6YHK3, ProbeID: 3290−50_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (834)
C/T (149)
T/T (12)
rs8176749 (Chr9:136131188)
Locus 69 sentinel (TRANS), p=1.7e−11

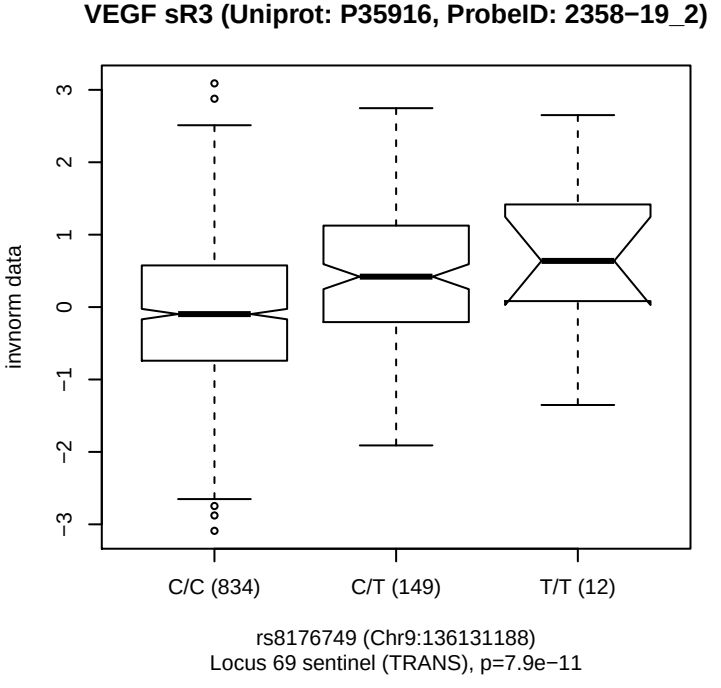

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
Frequency
0
50
100
150
200
250
1000
2000
3000
4000
5000
6000
raw data
Vascular endothelial growth factor receptor 3

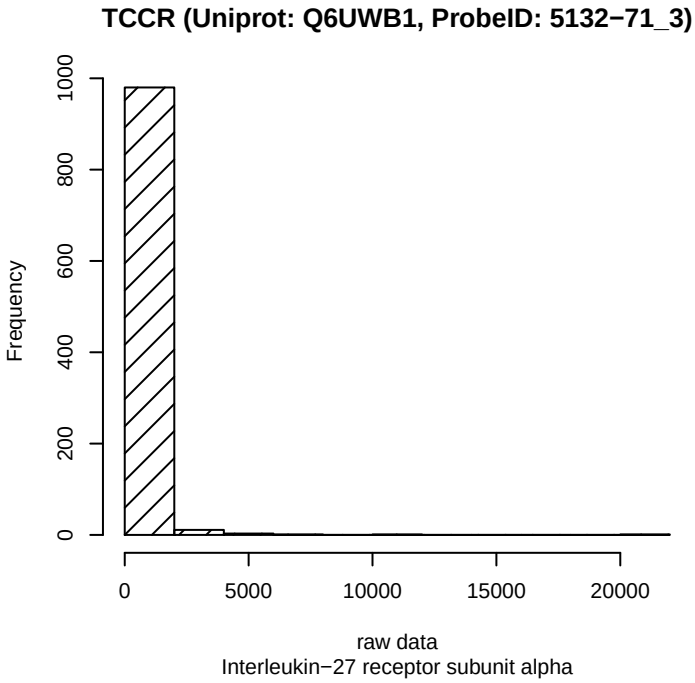

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
raw data
2000
3000
4000
5000
6000
C/C (834)
C/T (149)
T/T (12)
rs8176749 (Chr9:136131188)
Locus 69 sentinel (TRANS), p=9.9e−11

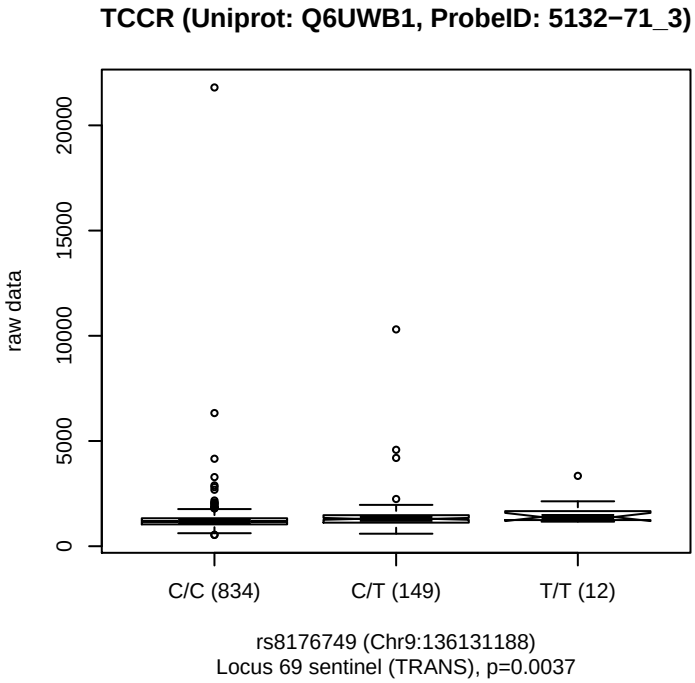

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
Frequency
0
50
100
150
200
250
10.5
11.0
11.5
12.0
12.5
log2−scaled data
Vascular endothelial growth factor receptor 3

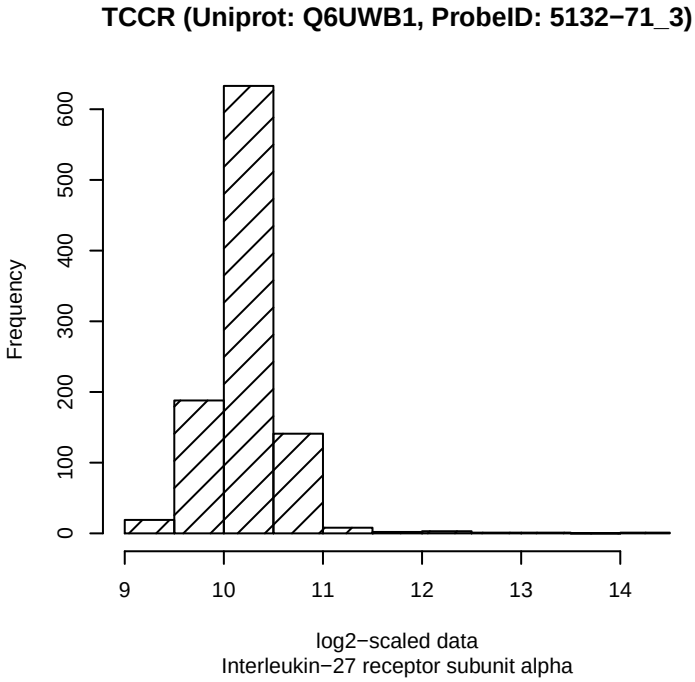

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
log2−scaled data
10.5
11.0
11.5
12.0
12.5
C/C (834)
C/T (149)
T/T (12)
rs8176749 (Chr9:136131188)
Locus 69 sentinel (TRANS), p=1.2e−09, FC=1.1089

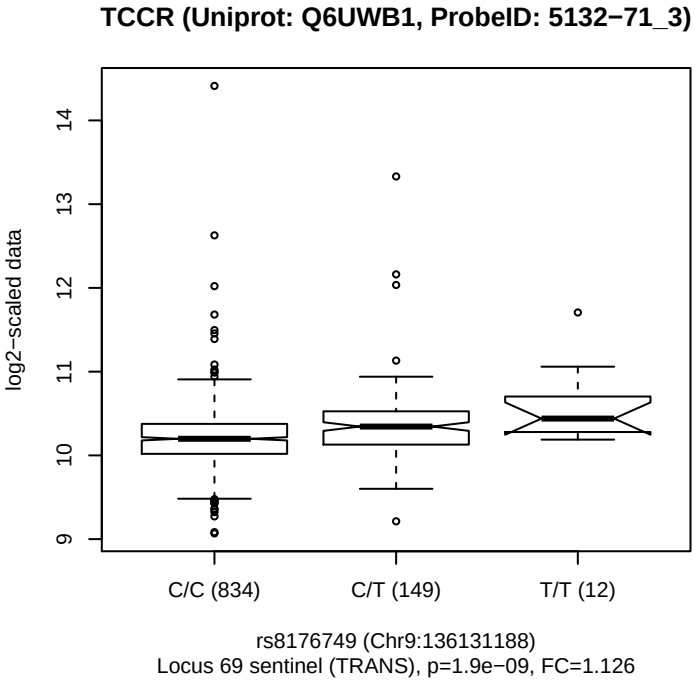

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Vascular endothelial growth factor receptor 3

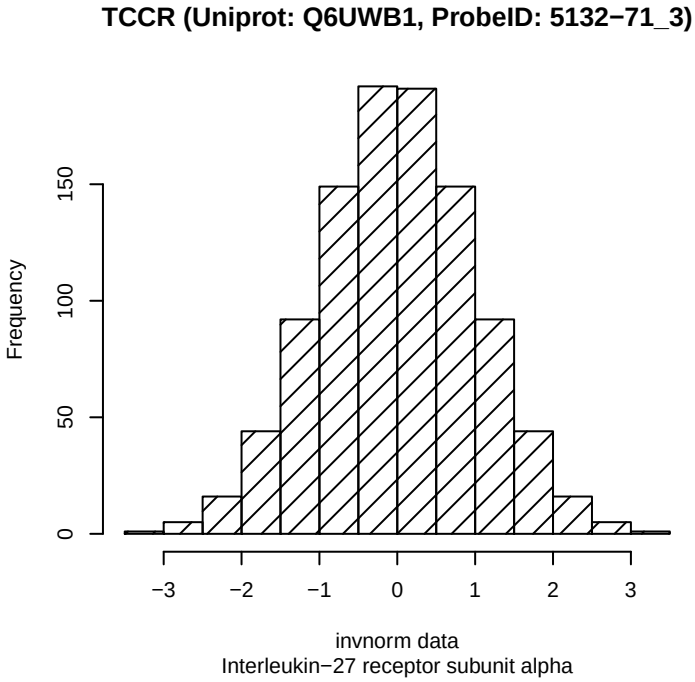

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (834)
C/T (149)
T/T (12)
rs8176749 (Chr9:136131188)
Locus 69 sentinel (TRANS), p=7.9e−11

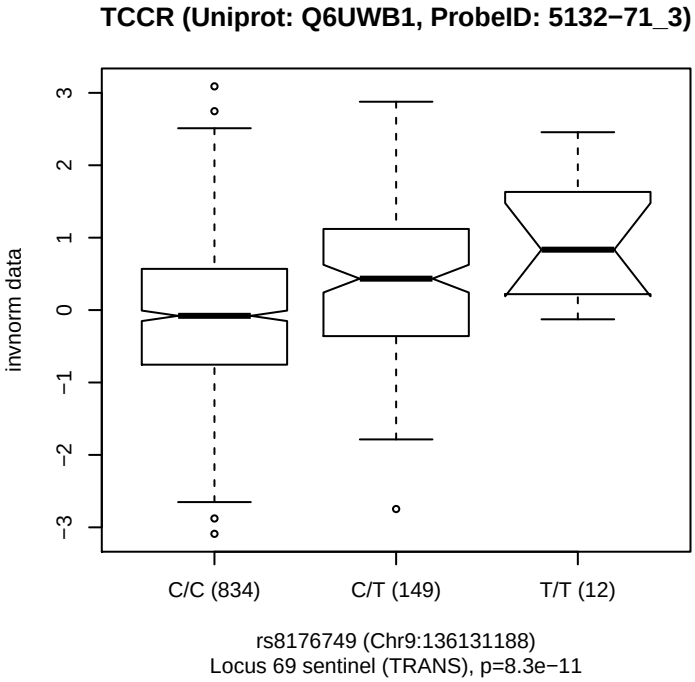

TCCR (Uniprot: Q6UWB1, ProbeID: 5132−71_3)
Frequency
0
200
400
600
800
1000
0
5000
10000
15000
20000
raw data
Interleukin−27 receptor subunit alpha

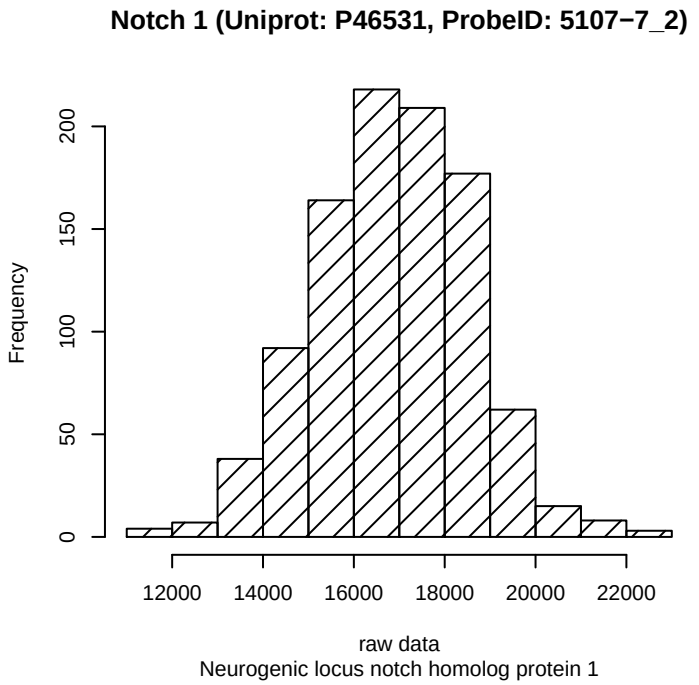

TCCR (Uniprot: Q6UWB1, ProbeID: 5132−71_3)
raw data
0
5000
10000
15000
20000
C/C (834)
C/T (149)
T/T (12)
rs8176749 (Chr9:136131188)
Locus 69 sentinel (TRANS), p=0.0037

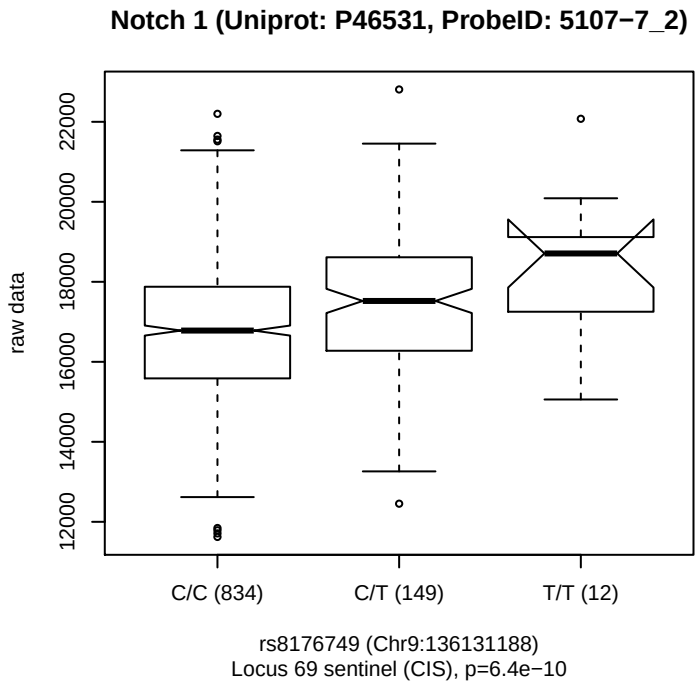

TCCR (Uniprot: Q6UWB1, ProbeID: 5132−71_3)
Frequency
0
100
200
300
400
500
600
9
10
11
12
13
14
log2−scaled data
Interleukin−27 receptor subunit alpha

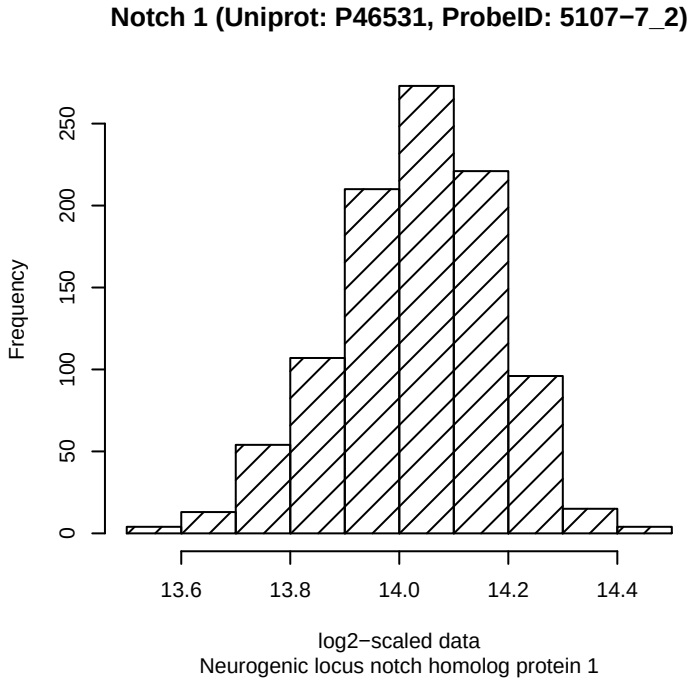

TCCR (Uniprot: Q6UWB1, ProbeID: 5132−71_3)
log2−scaled data
9
10
11
12
13
14
C/C (834)
C/T (149)
T/T (12)
rs8176749 (Chr9:136131188)
Locus 69 sentinel (TRANS), p=1.9e−09, FC=1.126

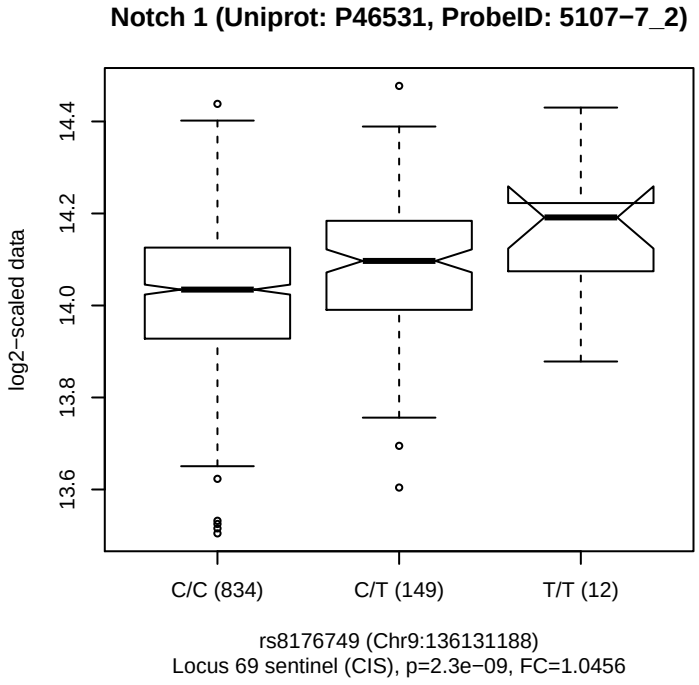

TCCR (Uniprot: Q6UWB1, ProbeID: 5132−71_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−27 receptor subunit alpha

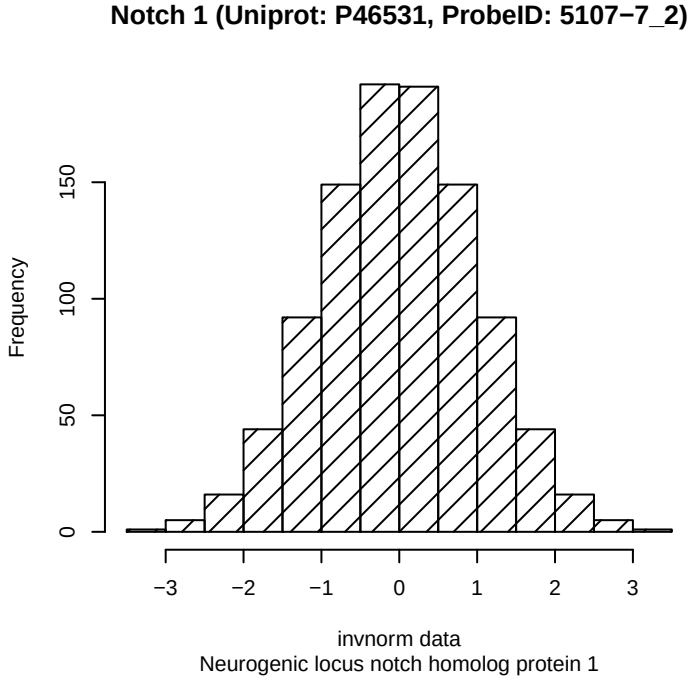

TCCR (Uniprot: Q6UWB1, ProbeID: 5132−71_3)
invnorm data
−3
−2
−1
0
1
2
3
C/C (834)
C/T (149)
T/T (12)
rs8176749 (Chr9:136131188)
Locus 69 sentinel (TRANS), p=8.3e−11

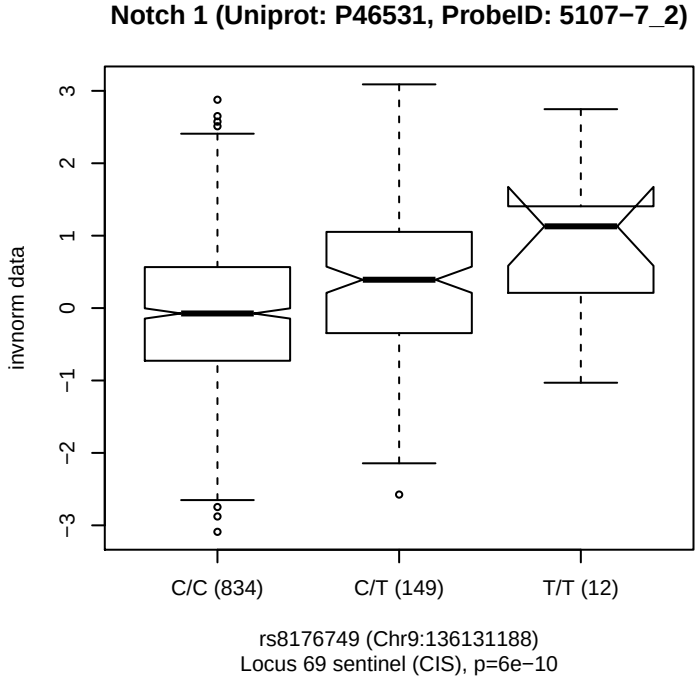

Notch 1 (Uniprot: P46531, ProbeID: 5107−7_2)
Frequency
0
50
100
150
200
12000
14000
16000
18000
20000
22000
raw data
Neurogenic locus notch homolog protein 1

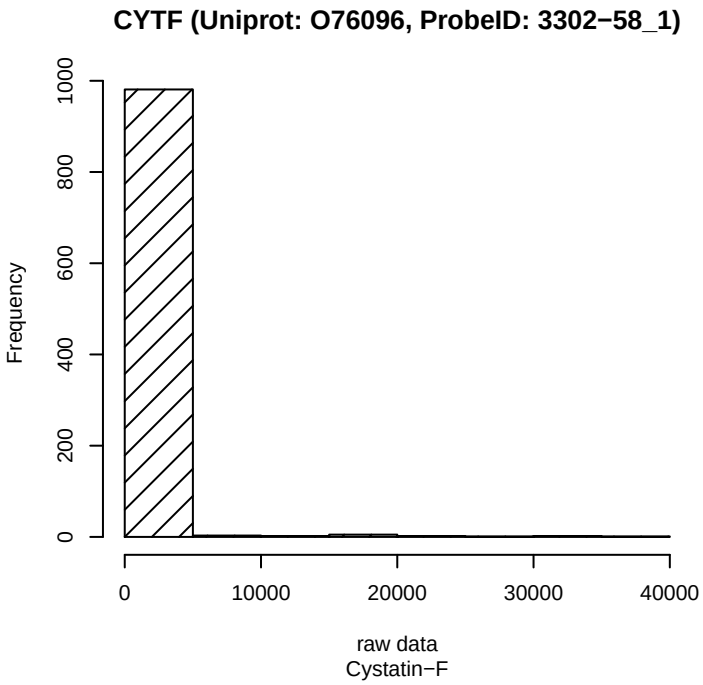

Notch 1 (Uniprot: P46531, ProbeID: 5107−7_2)
raw data
12000
14000
16000
18000
20000
22000
C/C (834)
C/T (149)
T/T (12)
rs8176749 (Chr9:136131188)
Locus 69 sentinel (CIS), p=6.4e−10

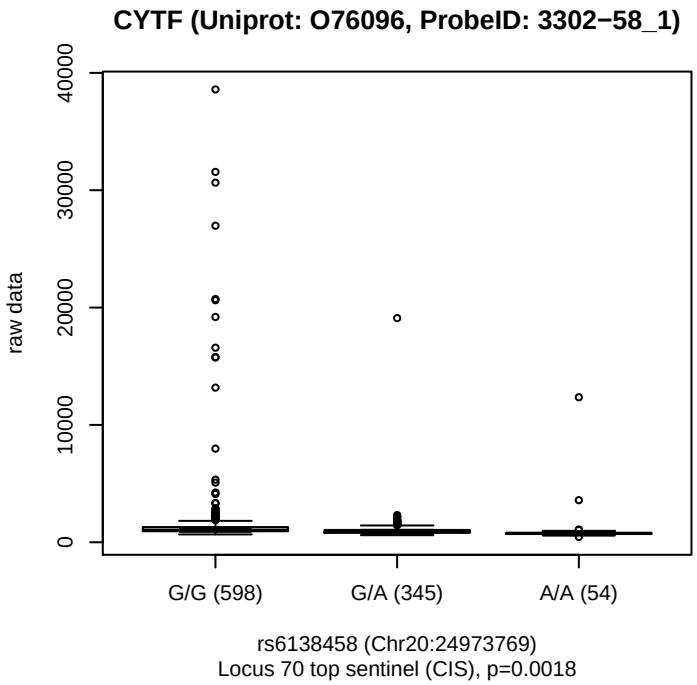

Notch 1 (Uniprot: P46531, ProbeID: 5107−7_2)
Frequency
0
50
100
150
200
250
13.6
13.8
14.0
14.2
14.4
log2−scaled data
Neurogenic locus notch homolog protein 1

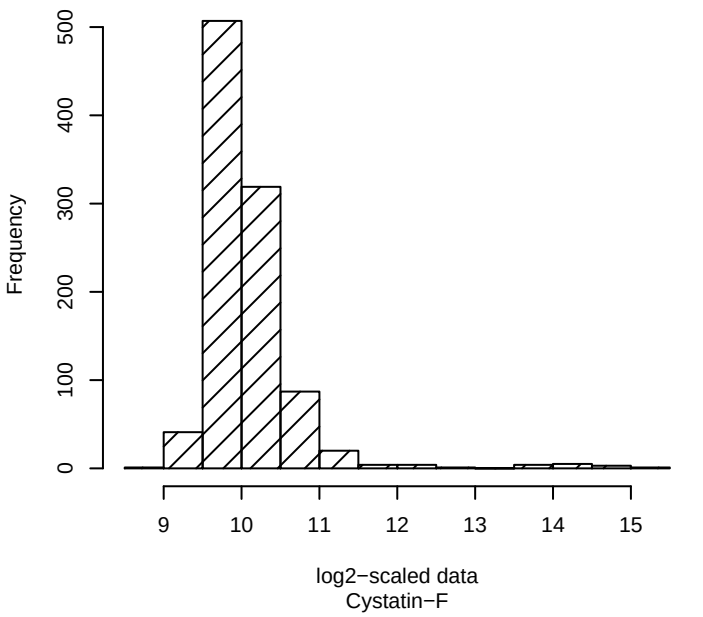

Notch 1 (Uniprot: P46531, ProbeID: 5107−7_2)
log2−scaled data
13.6
13.8
14.0
14.2
14.4
C/C (834)
C/T (149)
T/T (12)
rs8176749 (Chr9:136131188)
Locus 69 sentinel (CIS), p=2.3e−09, FC=1.0456

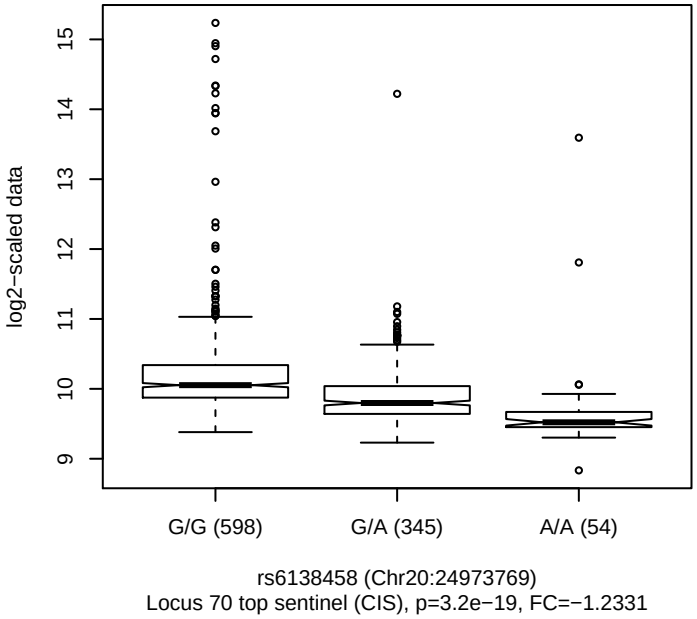

Notch 1 (Uniprot: P46531, ProbeID: 5107−7_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Neurogenic locus notch homolog protein 1

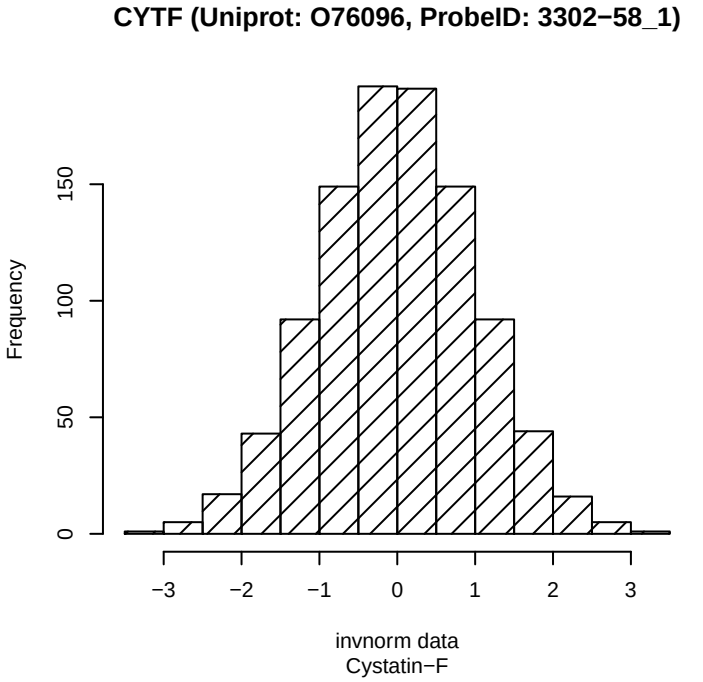

Notch 1 (Uniprot: P46531, ProbeID: 5107−7_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (834)
C/T (149)
T/T (12)
rs8176749 (Chr9:136131188)
Locus 69 sentinel (CIS), p=6e−10

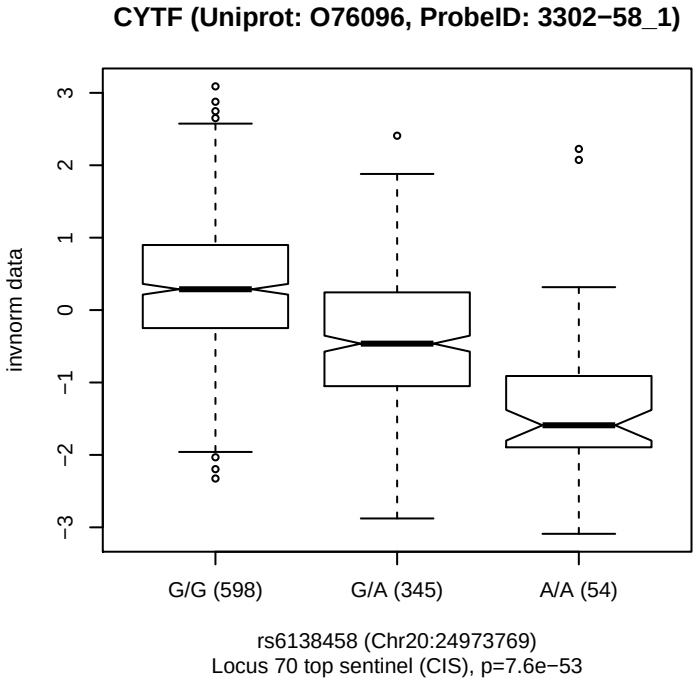

CYTF (Uniprot: O76096, ProbeID: 3302−58_1)
Frequency
0
200
400
600
800
1000
0
10000
20000
30000
40000
raw data
Cystatin−F

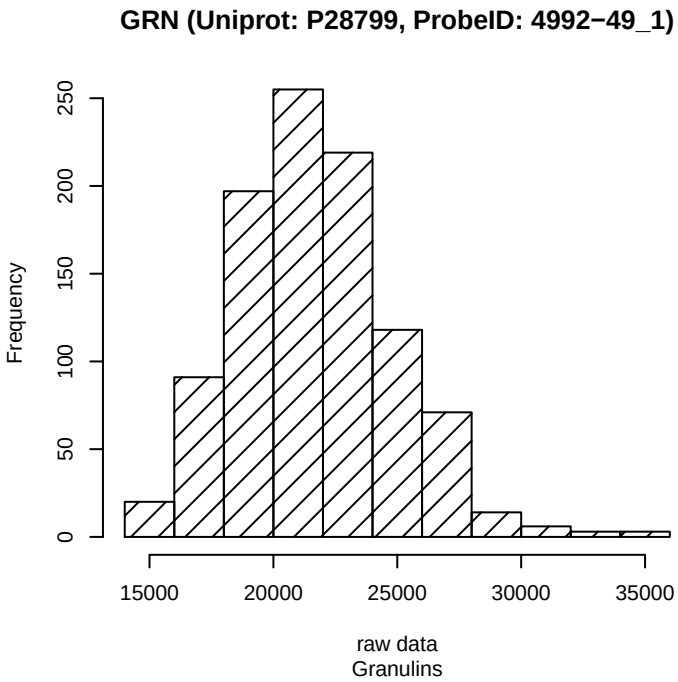

CYTF (Uniprot: O76096, ProbeID: 3302−58_1)
raw data
0
10000
20000
30000
40000
G/G (598)
G/A (345)
A/A (54)
rs6138458 (Chr20:24973769)
Locus 70 top sentinel (CIS), p=0.0018

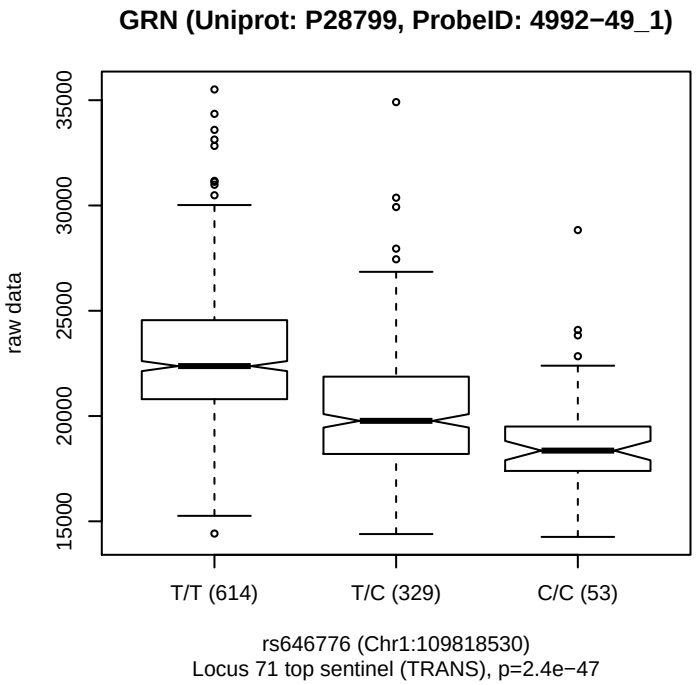

CYTF (Uniprot: O76096, ProbeID: 3302−58_1)
Frequency
0
100
200
300
400
500
9
10
11
12
13
14
15
log2−scaled data
Cystatin−F

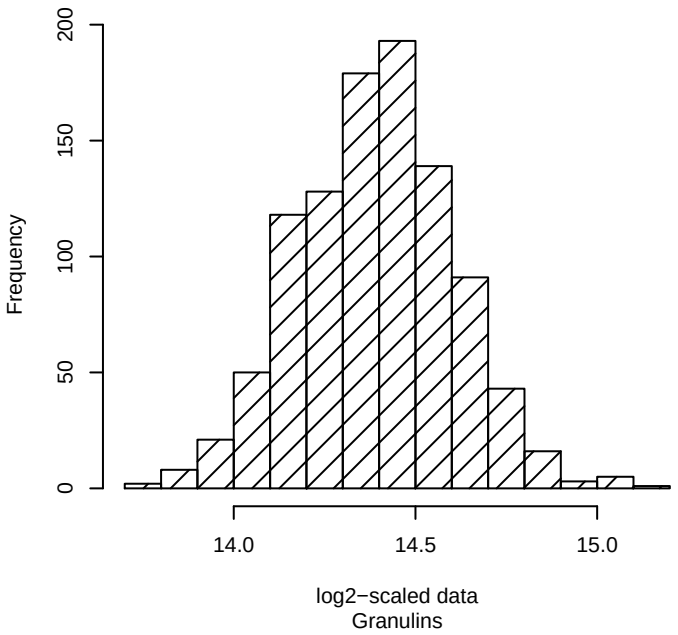

CYTF (Uniprot: O76096, ProbeID: 3302−58_1)
log2−scaled data
9
10
11
12
13
14
15
G/G (598)
G/A (345)
A/A (54)
rs6138458 (Chr20:24973769)
Locus 70 top sentinel (CIS), p=3.2e−19, FC=−1.2331

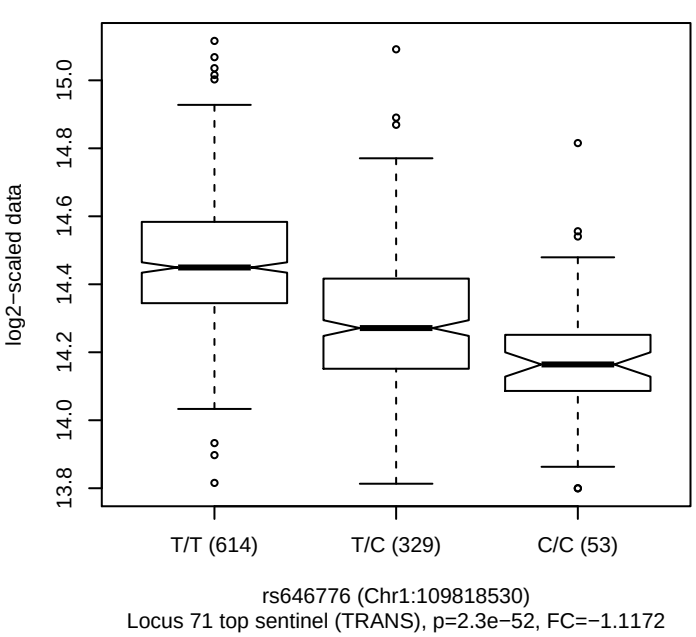

CYTF (Uniprot: O76096, ProbeID: 3302−58_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Cystatin−F

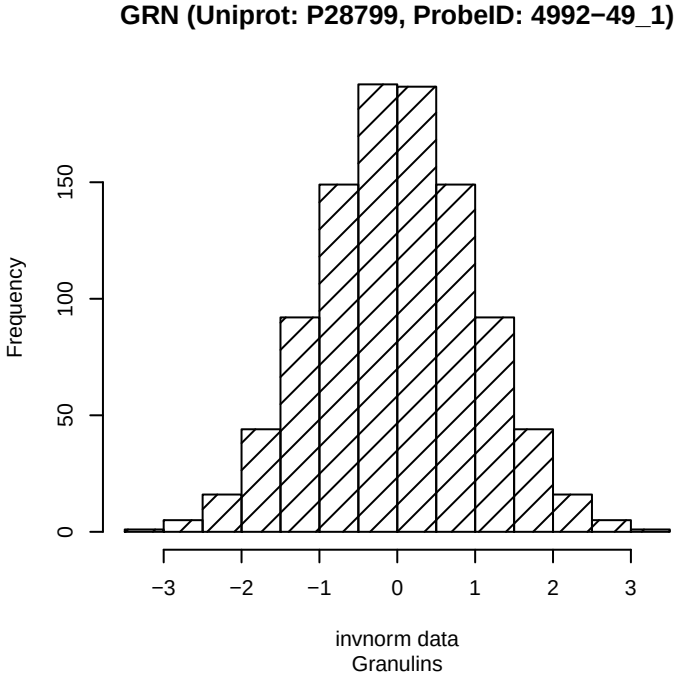

CYTF (Uniprot: O76096, ProbeID: 3302−58_1)
invnorm data
−3
−2
−1
0
1
2
3
G/G (598)
G/A (345)
A/A (54)
rs6138458 (Chr20:24973769)
Locus 70 top sentinel (CIS), p=7.6e−53

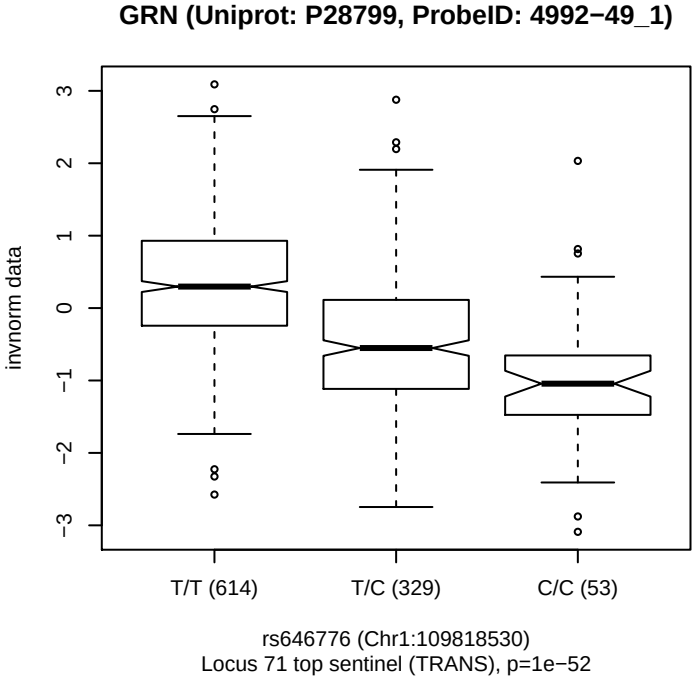

GRN (Uniprot: P28799, ProbeID: 4992−49_1)
Frequency
0
50
100
150
200
250
15000
20000
25000
30000
35000
raw data
Granulins

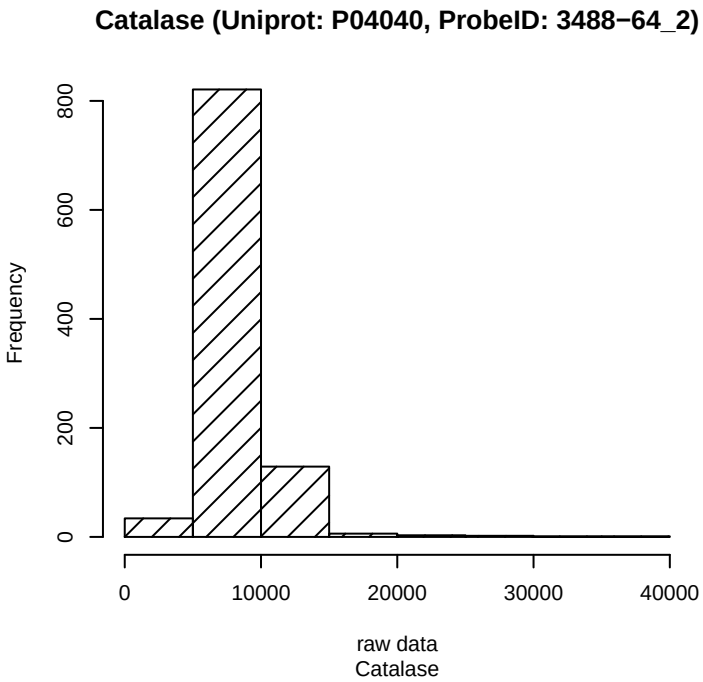

GRN (Uniprot: P28799, ProbeID: 4992−49_1)
raw data
15000
20000
25000
30000
35000
T/T (614)
T/C (329)
C/C (53)
rs646776 (Chr1:109818530)
Locus 71 top sentinel (TRANS), p=2.4e−47

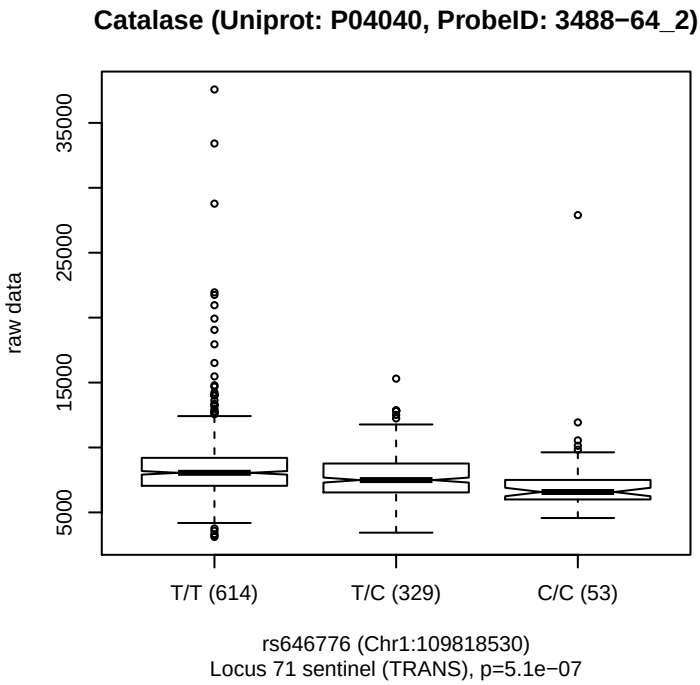

GRN (Uniprot: P28799, ProbeID: 4992−49_1)
Frequency
0
50
100
150
200
14.0
14.5
15.0
log2−scaled data
Granulins

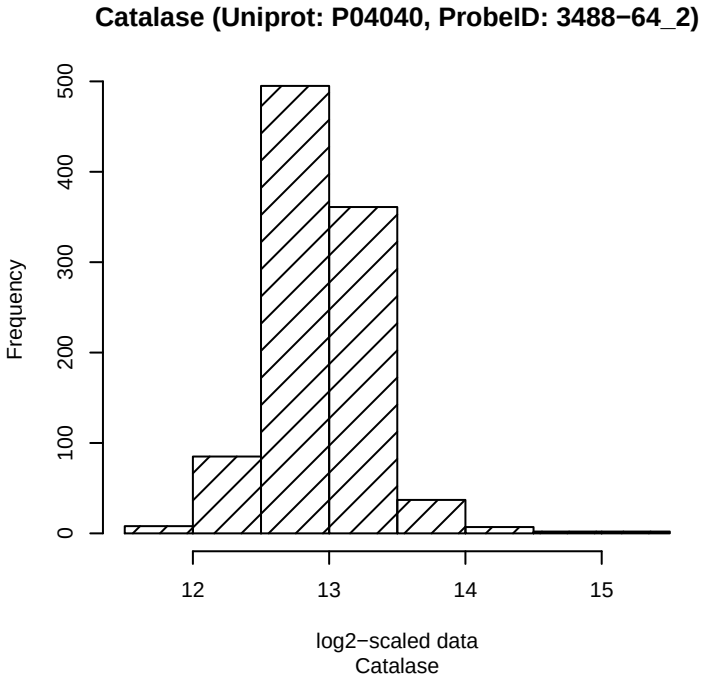

GRN (Uniprot: P28799, ProbeID: 4992−49_1)
log2−scaled data
13.8
14.0
14.2
14.4
14.6
14.8
15.0
T/T (614)
T/C (329)
C/C (53)
rs646776 (Chr1:109818530)
Locus 71 top sentinel (TRANS), p=2.3e−52, FC=−1.1172

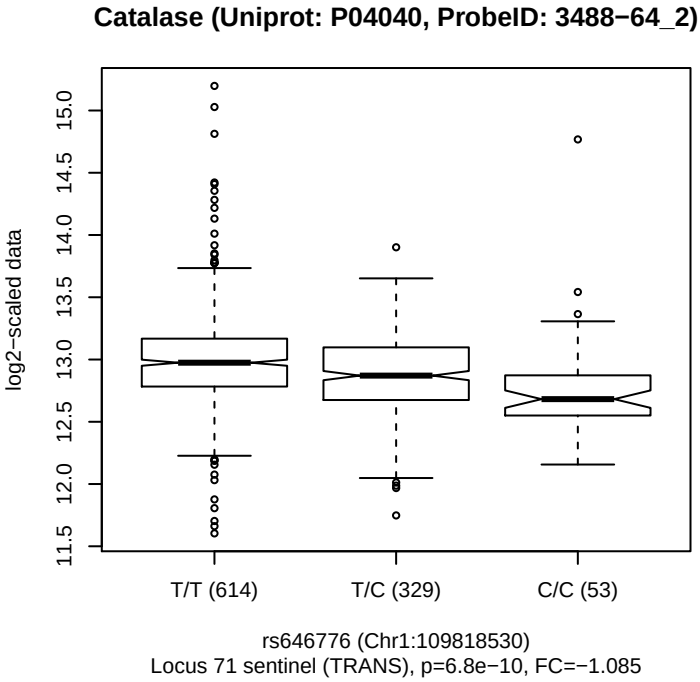

GRN (Uniprot: P28799, ProbeID: 4992−49_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Granulins

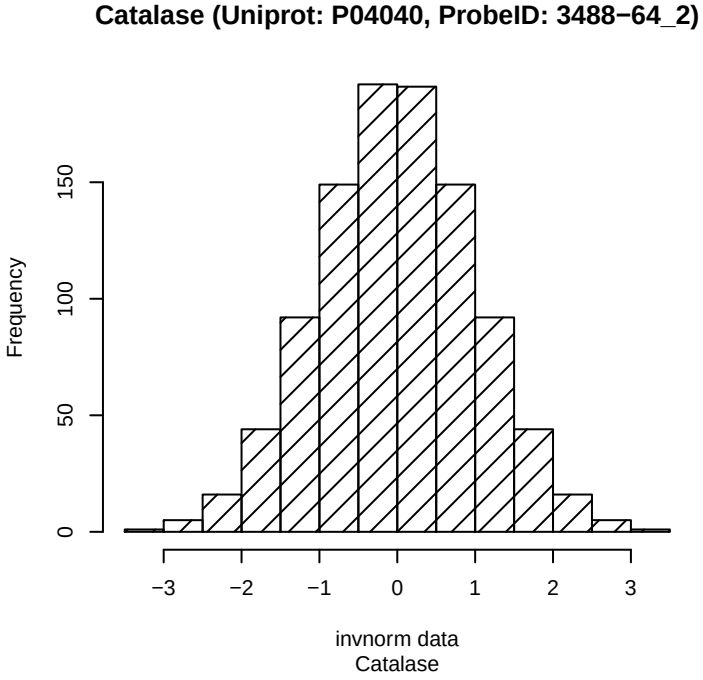

GRN (Uniprot: P28799, ProbeID: 4992−49_1)
invnorm data
−3
−2
−1
0
1
2
3
T/T (614)
T/C (329)
C/C (53)
rs646776 (Chr1:109818530)
Locus 71 top sentinel (TRANS), p=1e−52

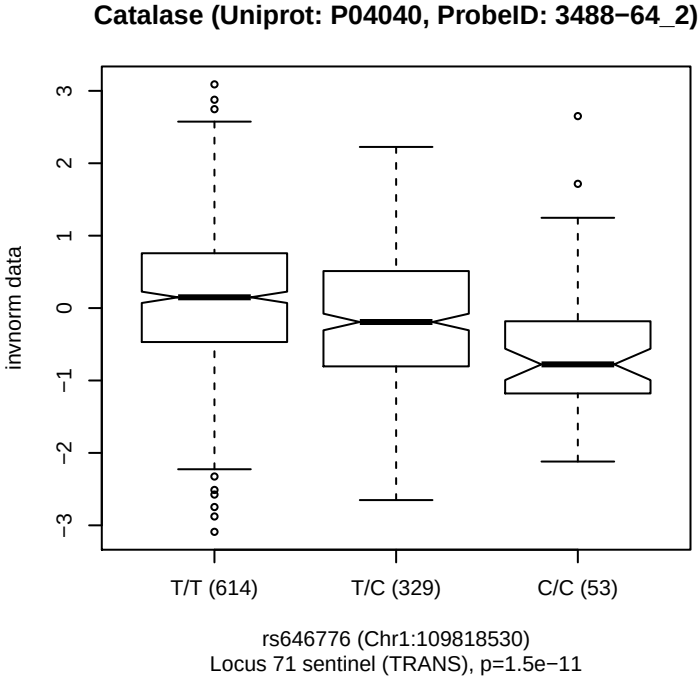

Catalase (Uniprot: P04040, ProbeID: 3488−64_2)
Frequency
0
200
400
600
800
0
10000
20000
30000
40000
raw data
Catalase

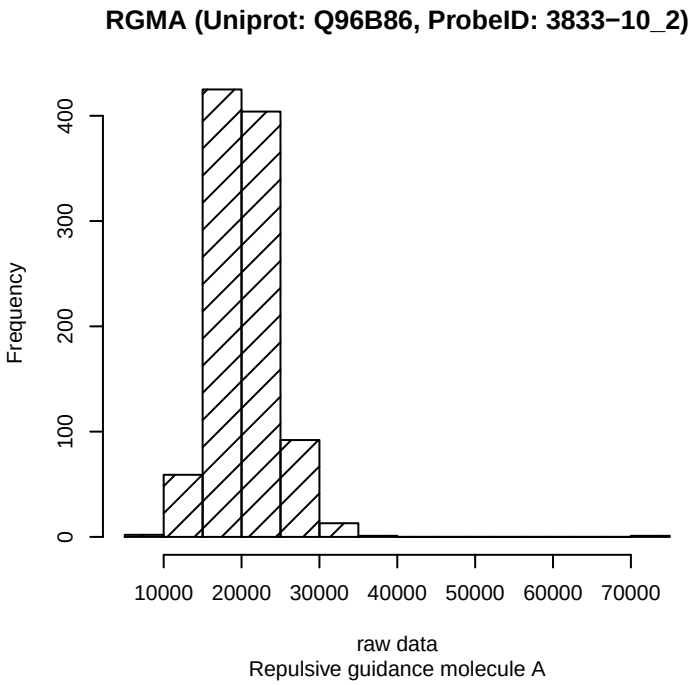

Catalase (Uniprot: P04040, ProbeID: 3488−64_2)
raw data
5000
15000
25000
35000
T/T (614)
T/C (329)
C/C (53)
rs646776 (Chr1:109818530)
Locus 71 sentinel (TRANS), p=5.1e−07

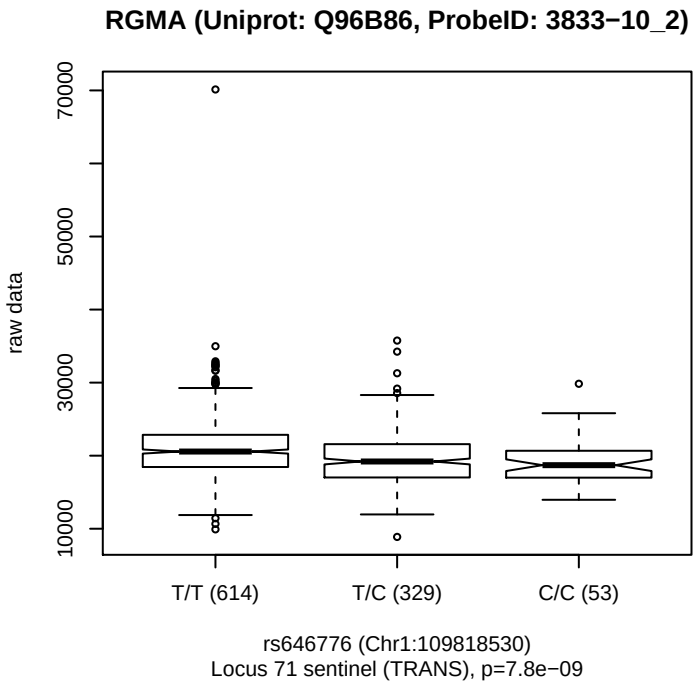

Catalase (Uniprot: P04040, ProbeID: 3488−64_2)
Frequency
0
100
200
300
400
500
12
13
14
15
log2−scaled data
Catalase

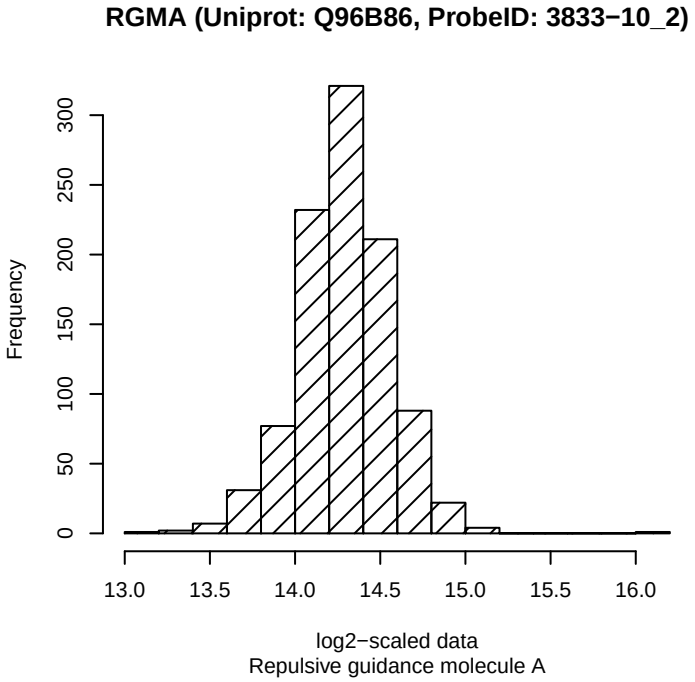

Catalase (Uniprot: P04040, ProbeID: 3488−64_2)
log2−scaled data
11.5
12.0
12.5
13.0
13.5
14.0
14.5
15.0
T/T (614)
T/C (329)
C/C (53)
rs646776 (Chr1:109818530)
Locus 71 sentinel (TRANS), p=6.8e−10, FC=−1.085

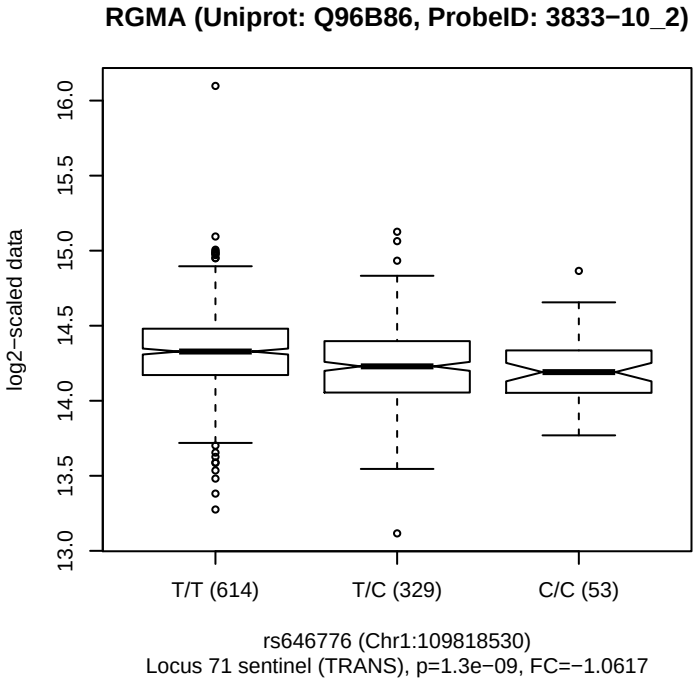

Catalase (Uniprot: P04040, ProbeID: 3488−64_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Catalase

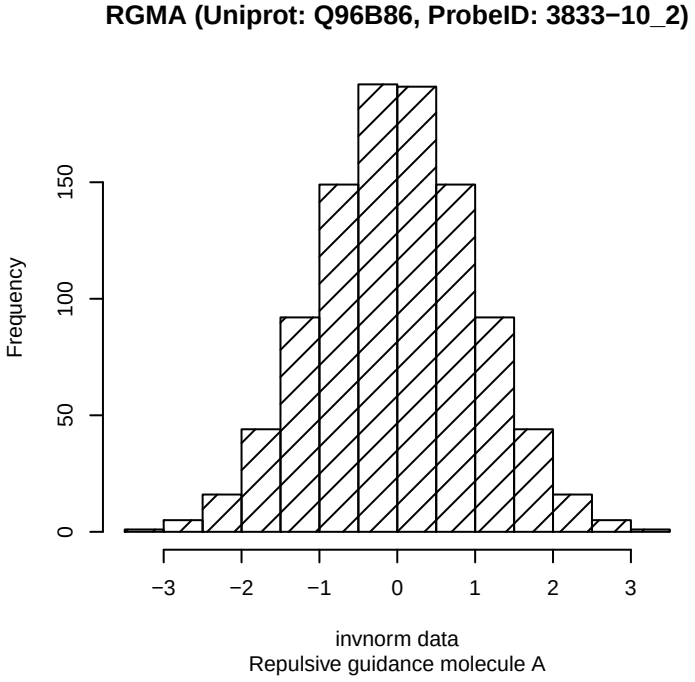

Catalase (Uniprot: P04040, ProbeID: 3488−64_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (614)
T/C (329)
C/C (53)
rs646776 (Chr1:109818530)
Locus 71 sentinel (TRANS), p=1.5e−11

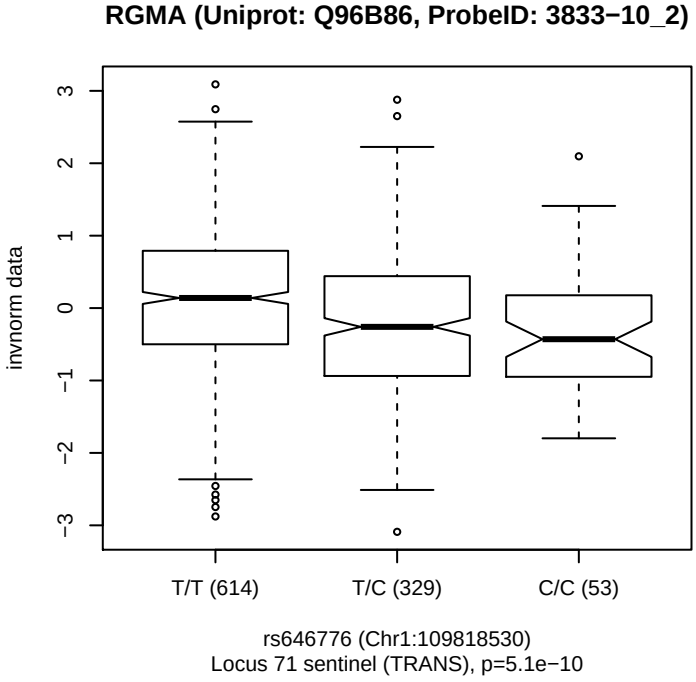

RGMA (Uniprot: Q96B86, ProbeID: 3833−10_2)
Frequency
0
100
200
300
400
10000
20000
30000
40000
50000
60000
70000
raw data
Repulsive guidance molecule A

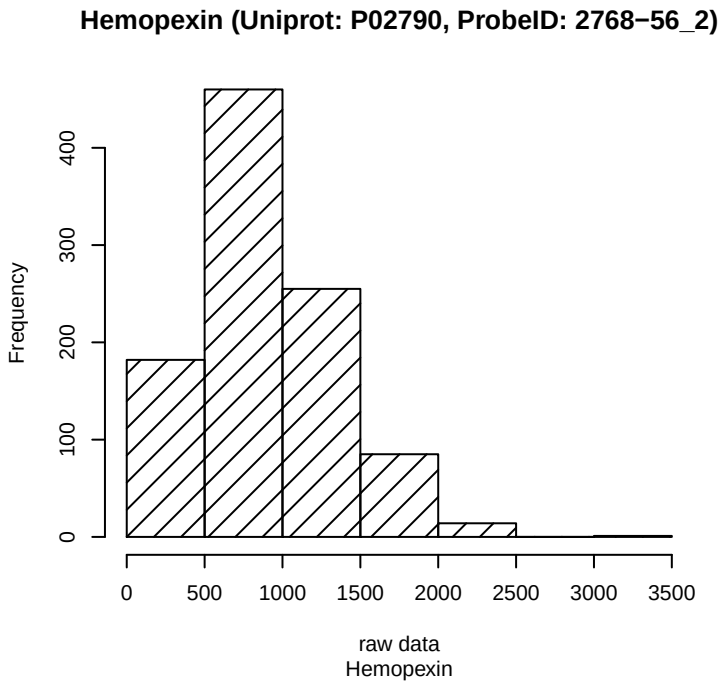

RGMA (Uniprot: Q96B86, ProbeID: 3833−10_2)
raw data
10000
30000
50000
70000
T/T (614)
T/C (329)
C/C (53)
rs646776 (Chr1:109818530)
Locus 71 sentinel (TRANS), p=7.8e−09

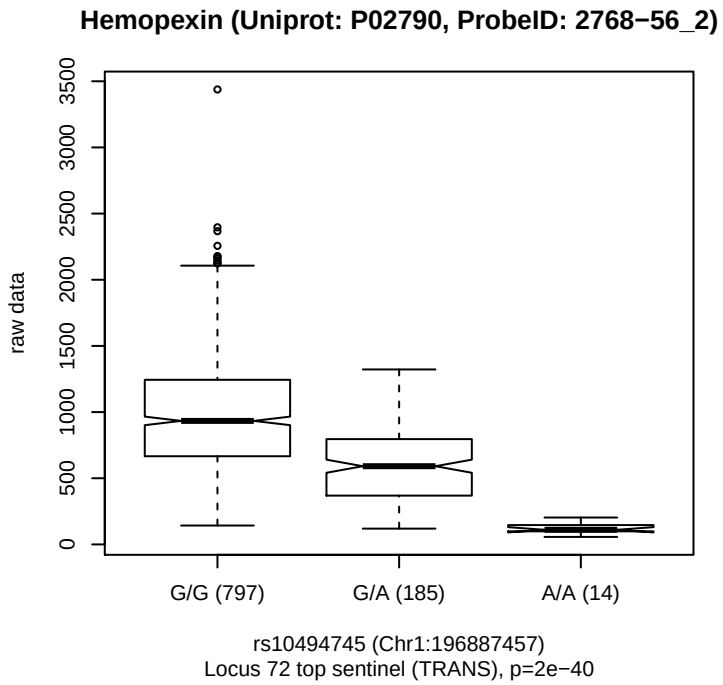

RGMA (Uniprot: Q96B86, ProbeID: 3833−10_2)
Frequency
0
50
100
150
200
250
300
13.0
13.5
14.0
14.5
15.0
15.5
16.0
log2−scaled data
Repulsive guidance molecule A

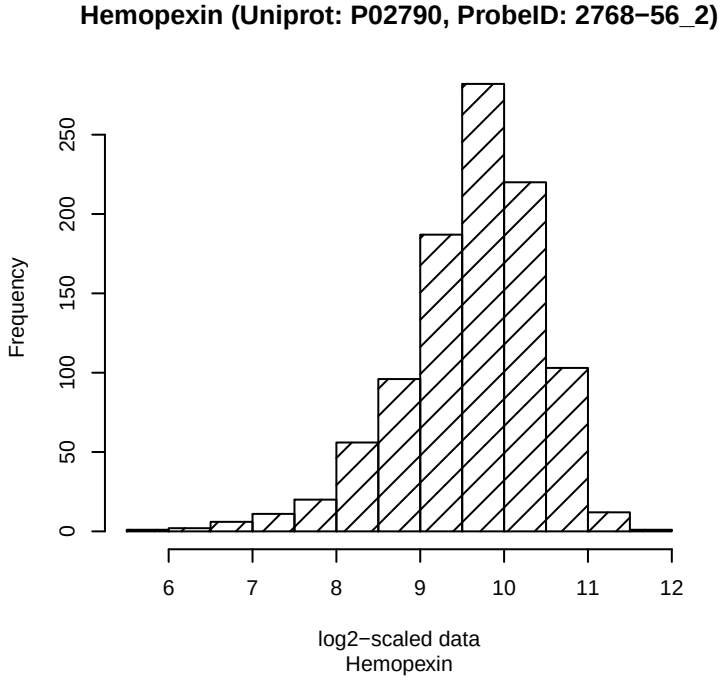

RGMA (Uniprot: Q96B86, ProbeID: 3833−10_2)
log2−scaled data
13.0
13.5
14.0
14.5
15.0
15.5
16.0
T/T (614)
T/C (329)
C/C (53)
rs646776 (Chr1:109818530)
Locus 71 sentinel (TRANS), p=1.3e−09, FC=−1.0617

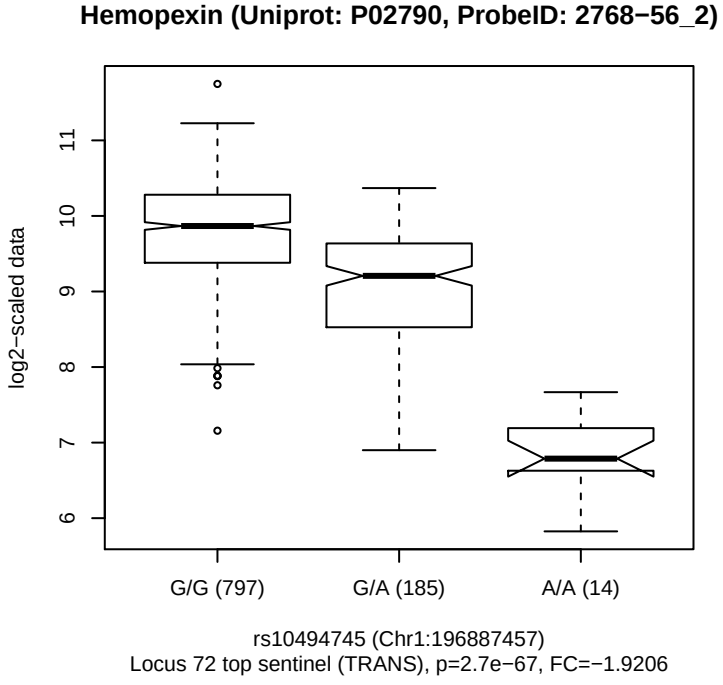

RGMA (Uniprot: Q96B86, ProbeID: 3833−10_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Repulsive guidance molecule A

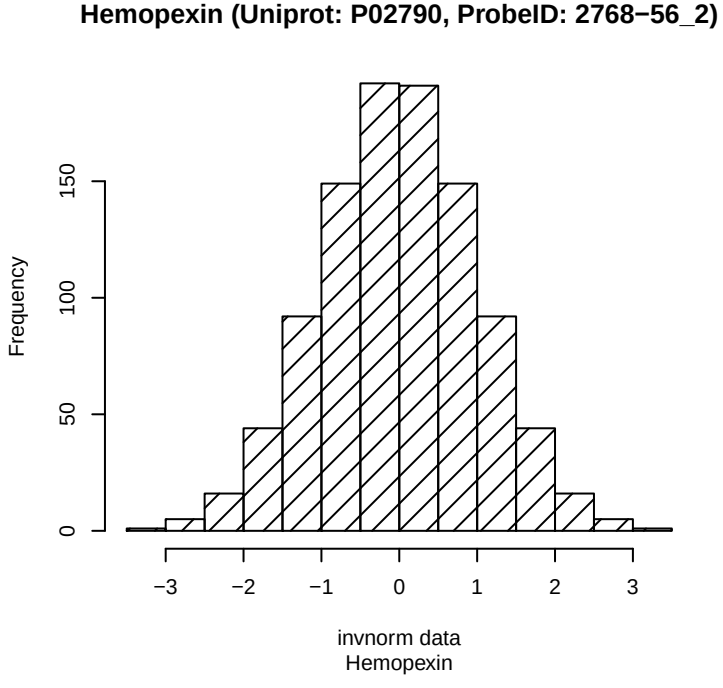

RGMA (Uniprot: Q96B86, ProbeID: 3833−10_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (614)
T/C (329)
C/C (53)
rs646776 (Chr1:109818530)
Locus 71 sentinel (TRANS), p=5.1e−10

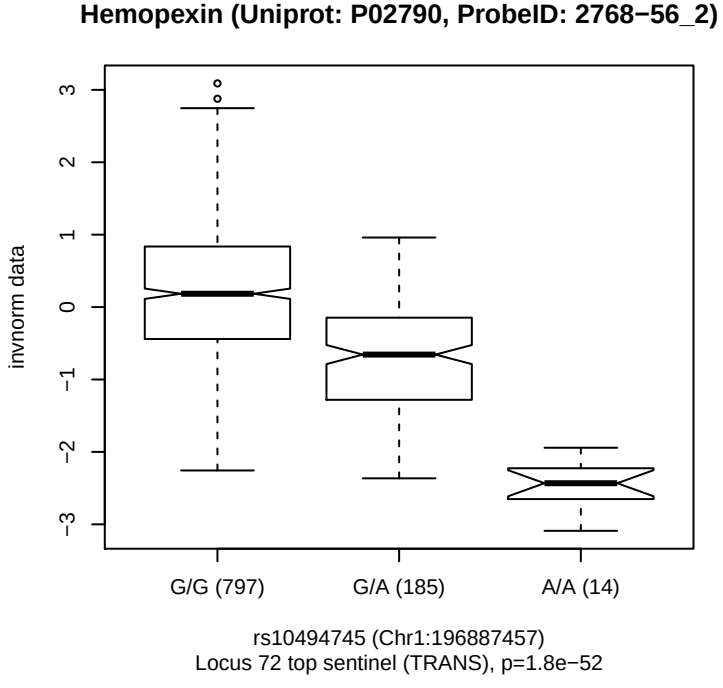

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
Frequency
0
100
200
300
400
0
500
1000
1500
2000
2500
3000
3500
raw data
Hemopexin

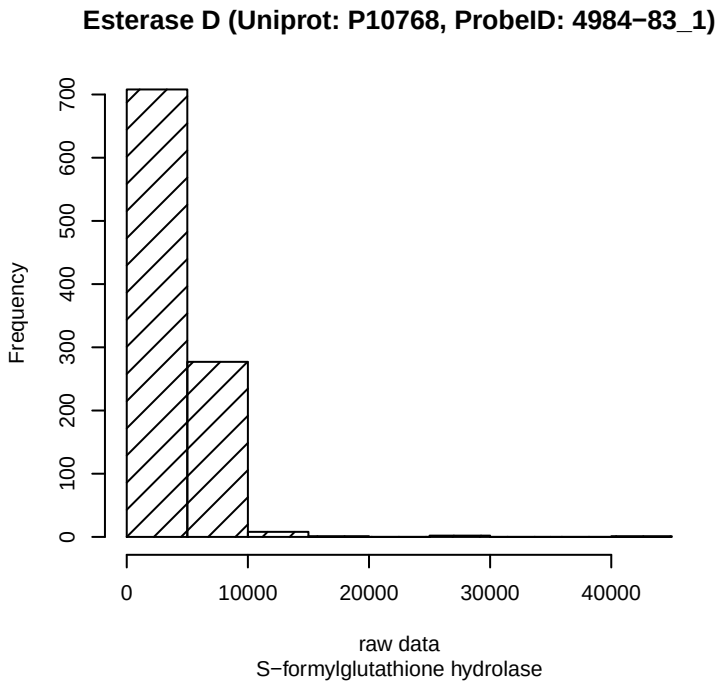

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
raw data
0
500
1000
1500
2000
2500
3000
3500
G/G (797)
G/A (185)
A/A (14)
rs10494745 (Chr1:196887457)
Locus 72 top sentinel (TRANS), p=2e−40

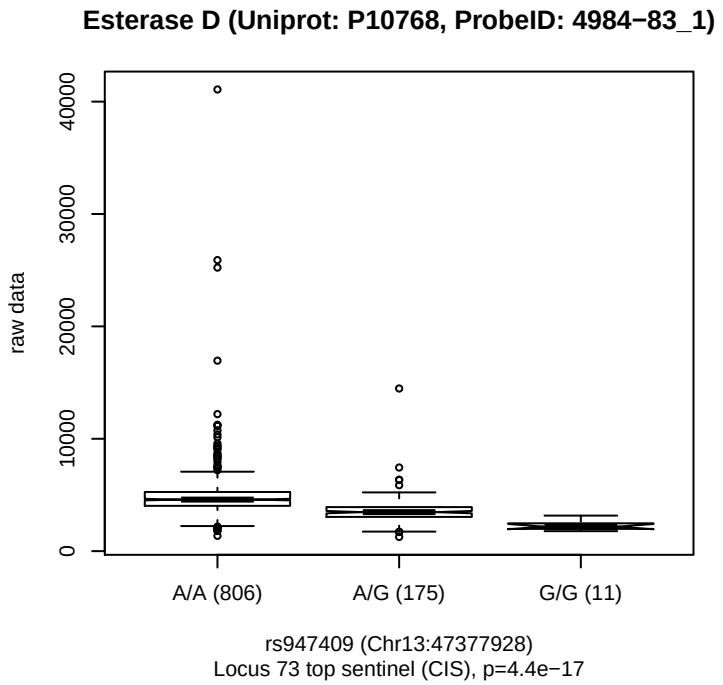

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
Frequency
0
50
100
150
200
250
6
7
8
9
10
11
12
log2−scaled data
Hemopexin

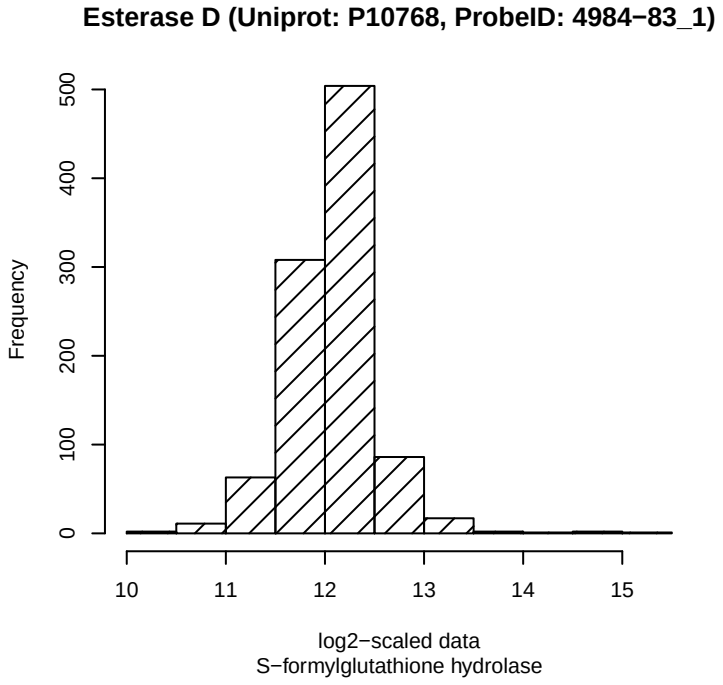

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
log2−scaled data
6
7
8
9
10
11
G/G (797)
G/A (185)
A/A (14)
rs10494745 (Chr1:196887457)
Locus 72 top sentinel (TRANS), p=2.7e−67, FC=−1.9206

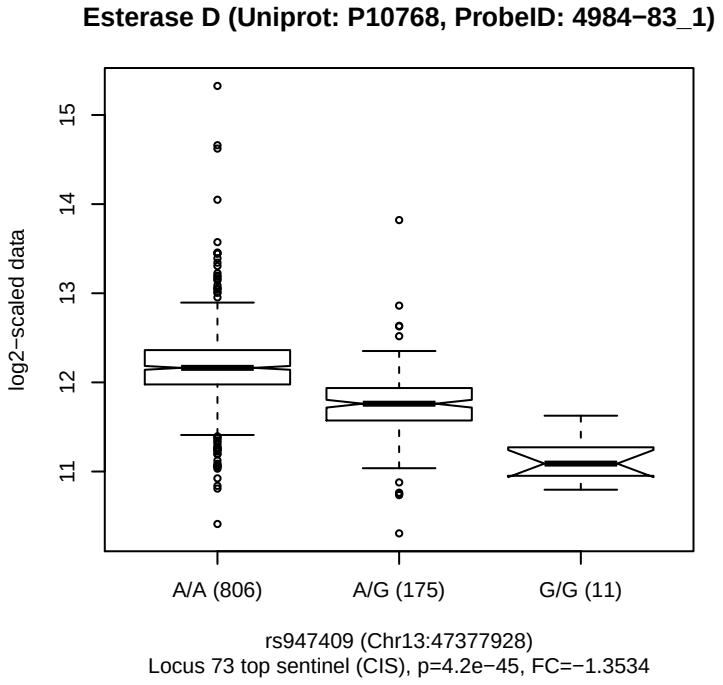

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Hemopexin

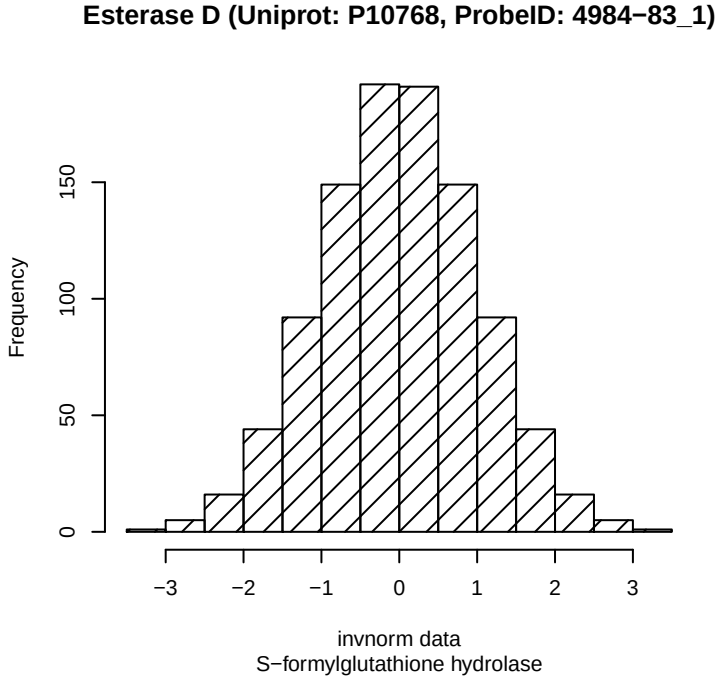

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (797)
G/A (185)
A/A (14)
rs10494745 (Chr1:196887457)
Locus 72 top sentinel (TRANS), p=1.8e−52

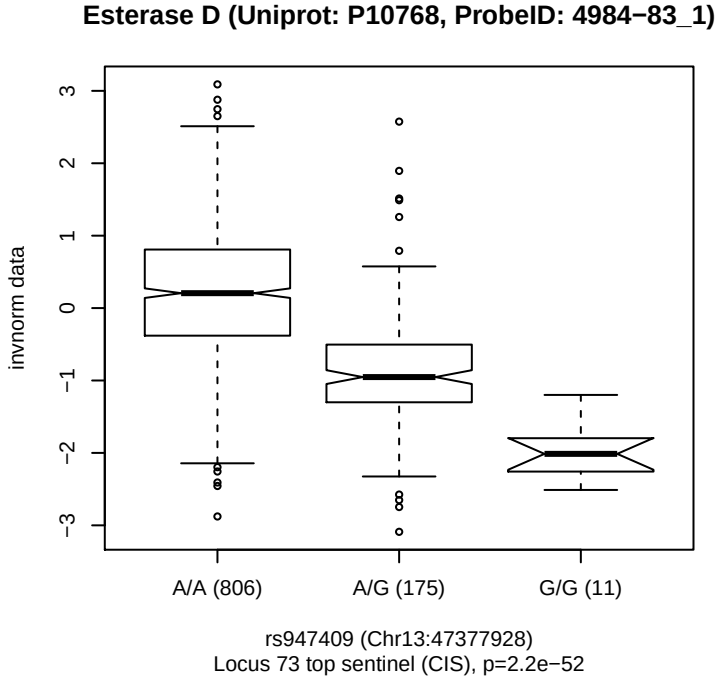

Esterase D (Uniprot: P10768, ProbeID: 4984−83_1)
Frequency
0
100
200
300
400
500
600
700
0
10000
20000
30000
40000
raw data
S−formylglutathione hydrolase

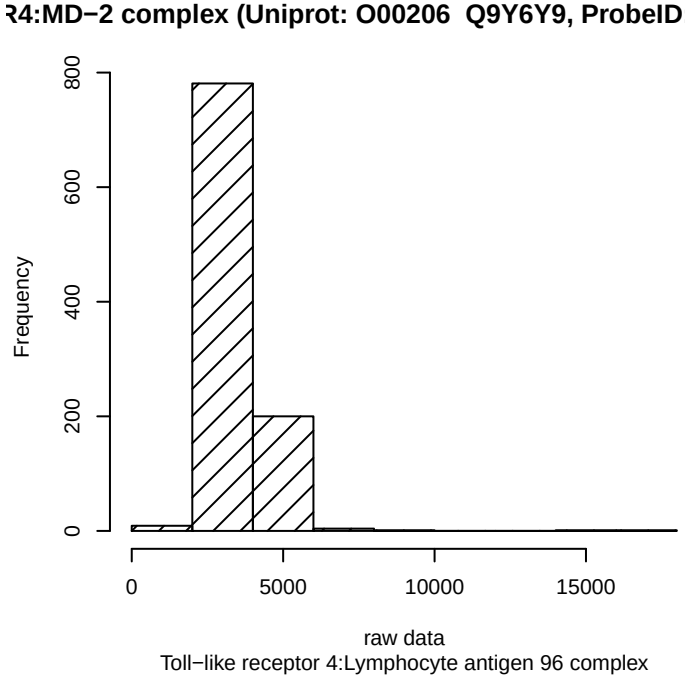

Esterase D (Uniprot: P10768, ProbeID: 4984−83_1)
raw data
0
10000
20000
30000
40000
A/A (806)
A/G (175)
G/G (11)
rs947409 (Chr13:47377928)
Locus 73 top sentinel (CIS), p=4.4e−17

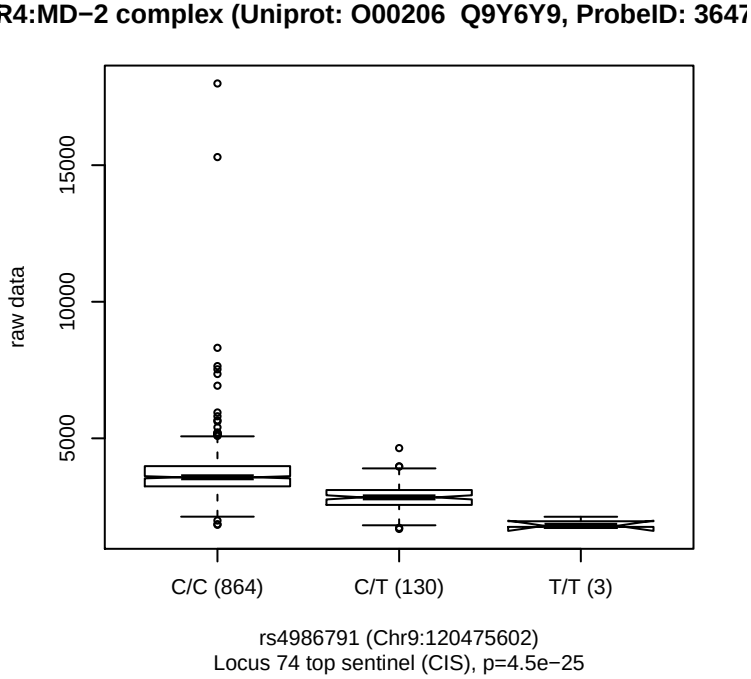

Esterase D (Uniprot: P10768, ProbeID: 4984−83_1)
Frequency
0
100
200
300
400
500
10
11
12
13
14
15
log2−scaled data
S−formylglutathione hydrolase

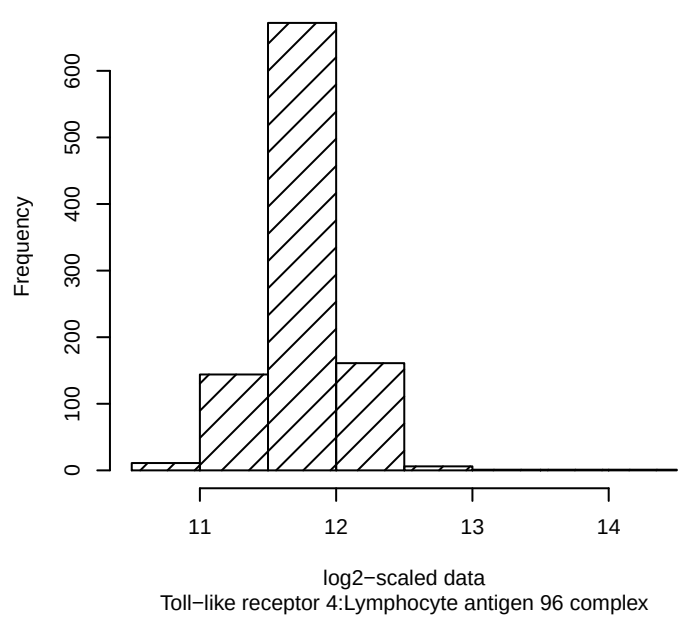

Esterase D (Uniprot: P10768, ProbeID: 4984−83_1)
log2−scaled data
11
12
13
14
15
A/A (806)
A/G (175)
G/G (11)
rs947409 (Chr13:47377928)
Locus 73 top sentinel (CIS), p=4.2e−45, FC=−1.3534

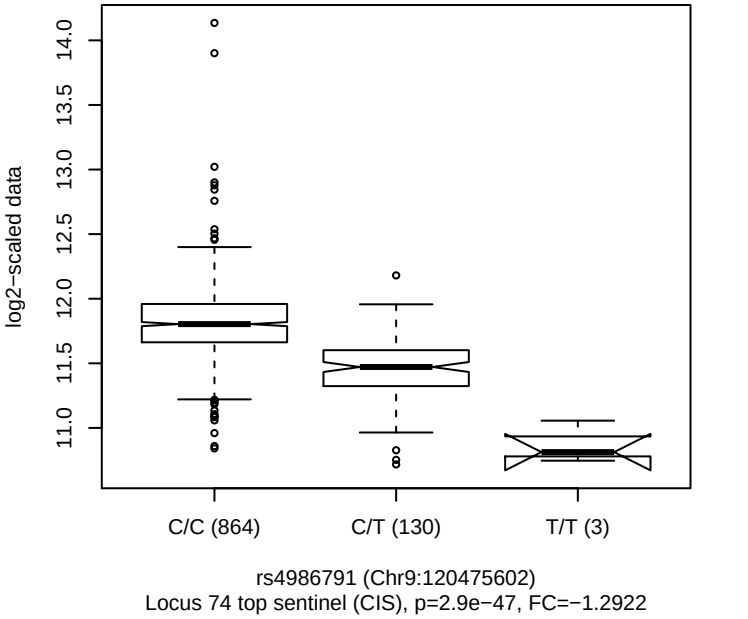

Esterase D (Uniprot: P10768, ProbeID: 4984−83_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
S−formylglutathione hydrolase

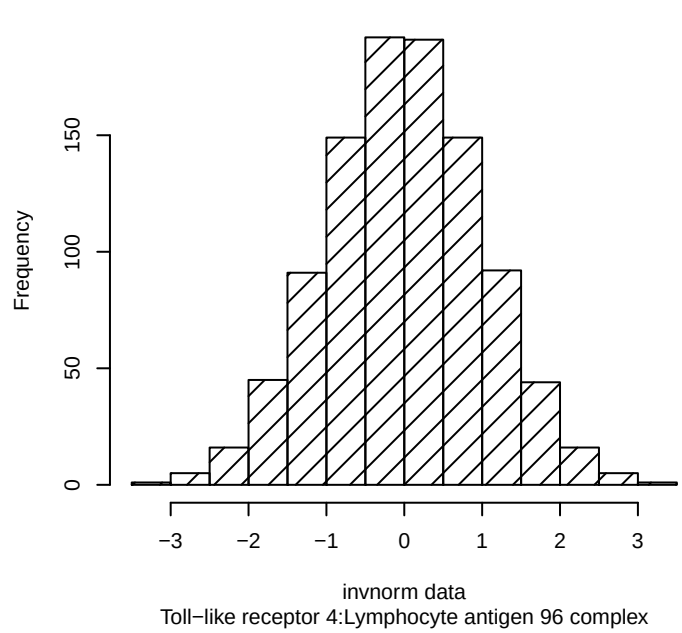

Esterase D (Uniprot: P10768, ProbeID: 4984−83_1)
invnorm data
−3
−2
−1
0
1
2
3
A/A (806)
A/G (175)
G/G (11)
rs947409 (Chr13:47377928)
Locus 73 top sentinel (CIS), p=2.2e−52

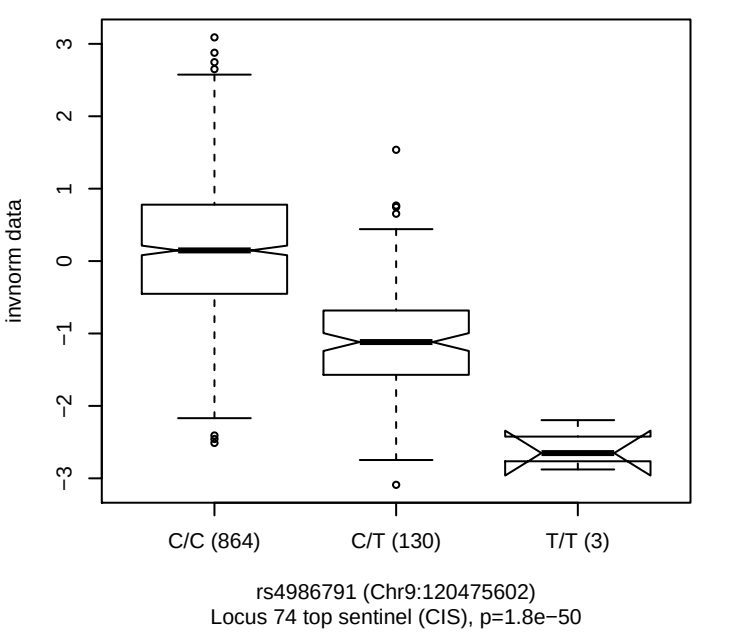

R4:MD−2 complex (Uniprot: O00206 Q9Y6Y9, ProbeID: 364
Frequency
0
200
400
600
800
0
5000
10000
15000
raw data
Toll−like receptor 4:Lymphocyte antigen 96 complex


R4:MD−2 complex (Uniprot: O00206 Q9Y6Y9, ProbeID: 364
raw data
5000
10000
15000
C/C (864)
C/T (130)
T/T (3)
rs4986791 (Chr9:120475602)
Locus 74 top sentinel (CIS), p=4.5e−25

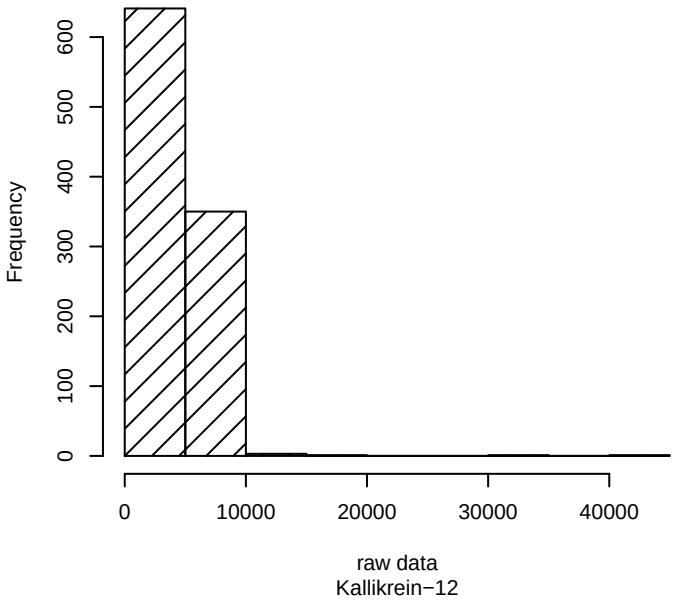

R4:MD−2 complex (Uniprot: O00206 Q9Y6Y9, ProbeID: 364
Frequency
0
100
200
300
400
500
600
11
12
13
14
log2−scaled data
Toll−like receptor 4:Lymphocyte antigen 96 complex


R4:MD−2 complex (Uniprot: O00206 Q9Y6Y9, ProbeID: 364
log2−scaled data
11.0
11.5
12.0
12.5
13.0
13.5
14.0
C/C (864)
C/T (130)
T/T (3)
rs4986791 (Chr9:120475602)
Locus 74 top sentinel (CIS), p=2.9e−47, FC=−1.2922

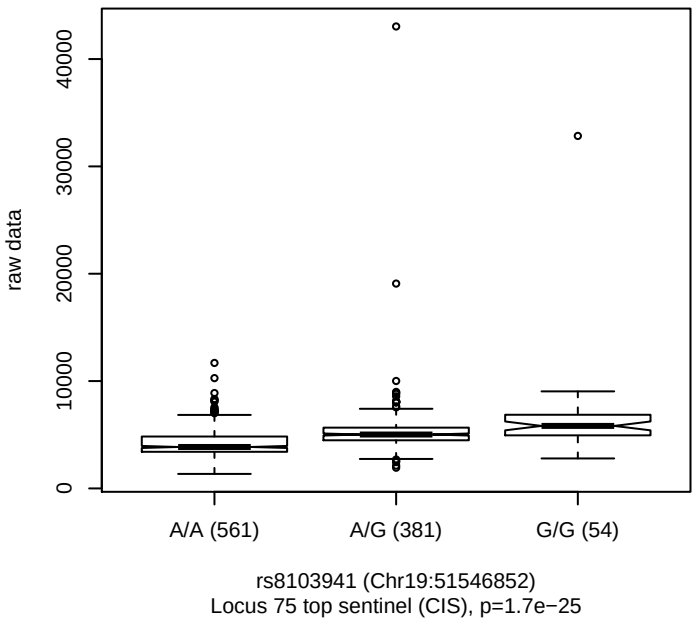

R4:MD−2 complex (Uniprot: O00206 Q9Y6Y9, ProbeID: 364
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Toll−like receptor 4:Lymphocyte antigen 96 complex


R4:MD−2 complex (Uniprot: O00206 Q9Y6Y9, ProbeID: 364
invnorm data
−3
−2
−1
0
1
2
3
C/C (864)
C/T (130)
T/T (3)
rs4986791 (Chr9:120475602)
Locus 74 top sentinel (CIS), p=1.8e−50

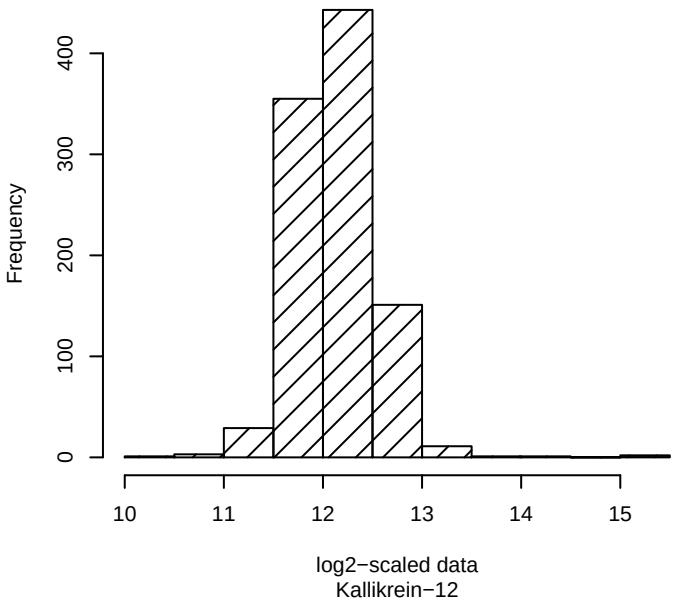
**kallikrein 12 (Uniprot: Q9UKR0, ProbeID: 3199−54_2)**



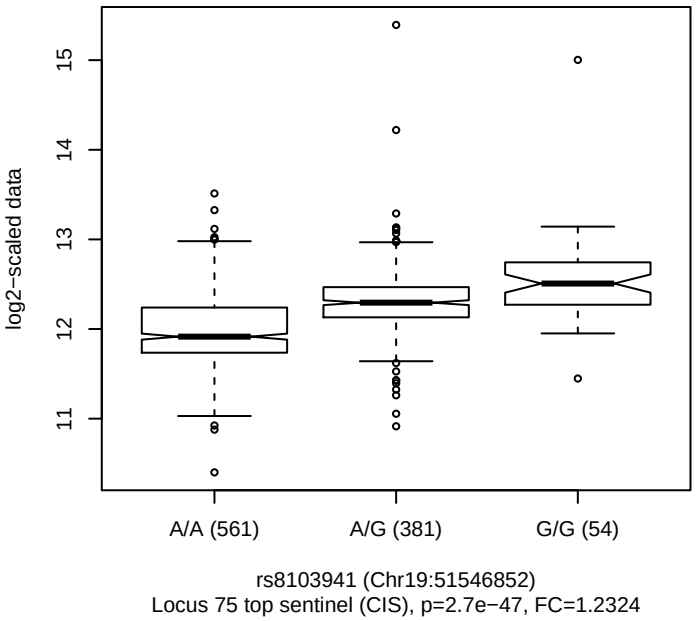

**kallikrein 12 (Uniprot: Q9UKR0, ProbeID: 3199−54_2)**



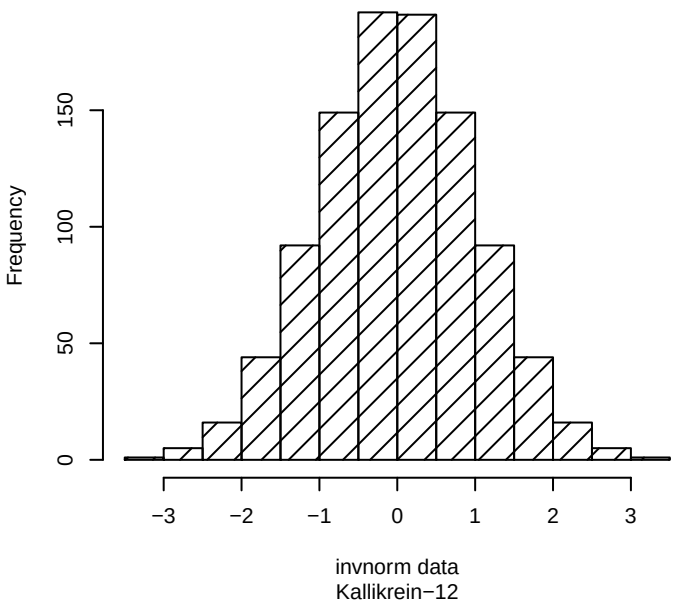

**kallikrein 12 (Uniprot: Q9UKR0, ProbeID: 3199−54_2)**



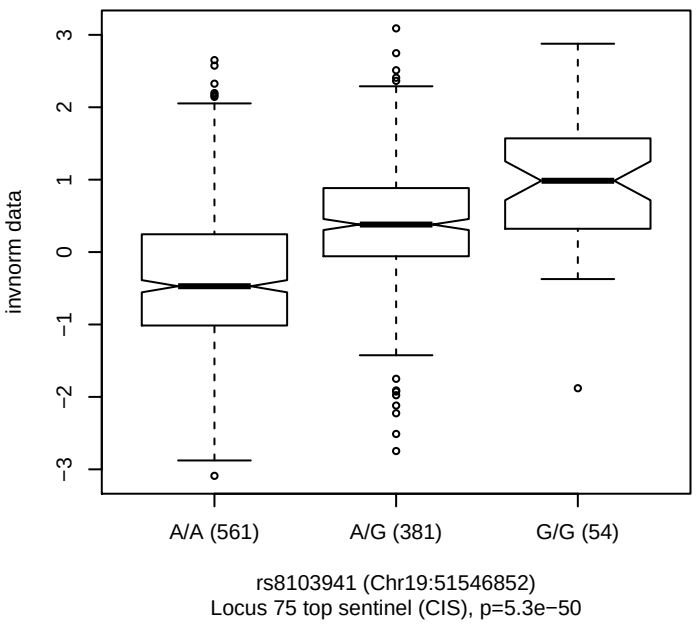

**kallikrein 12 (Uniprot: Q9UKR0, ProbeID: 3199−54_2)**

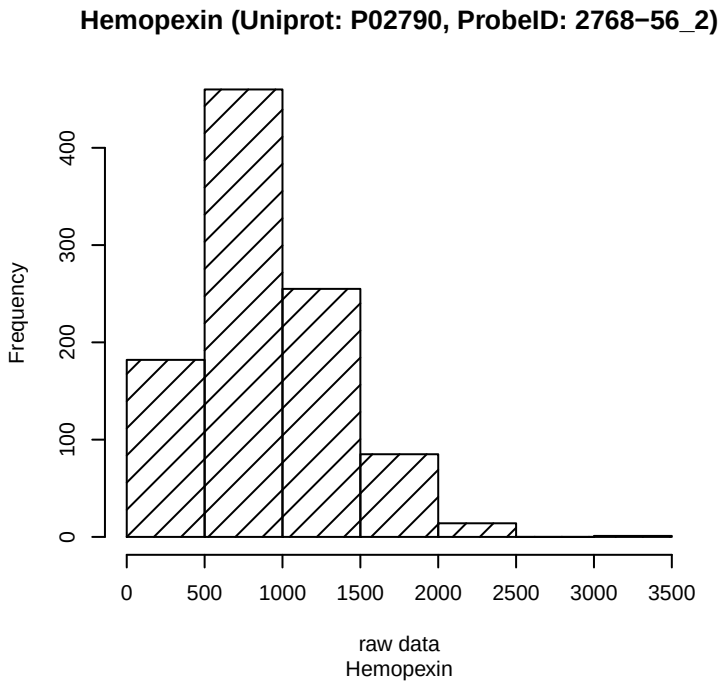


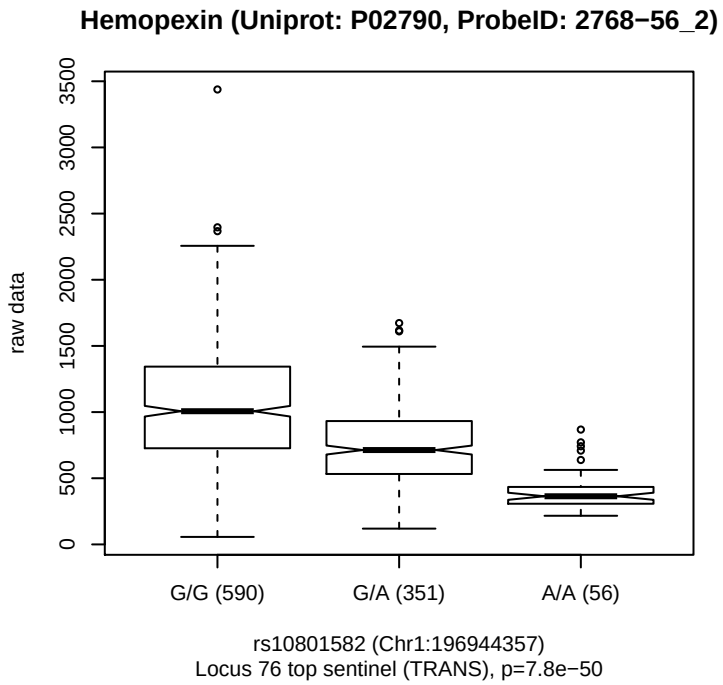

**kallikrein 12 (Uniprot: Q9UKR0, ProbeID: 3199−54_2)**

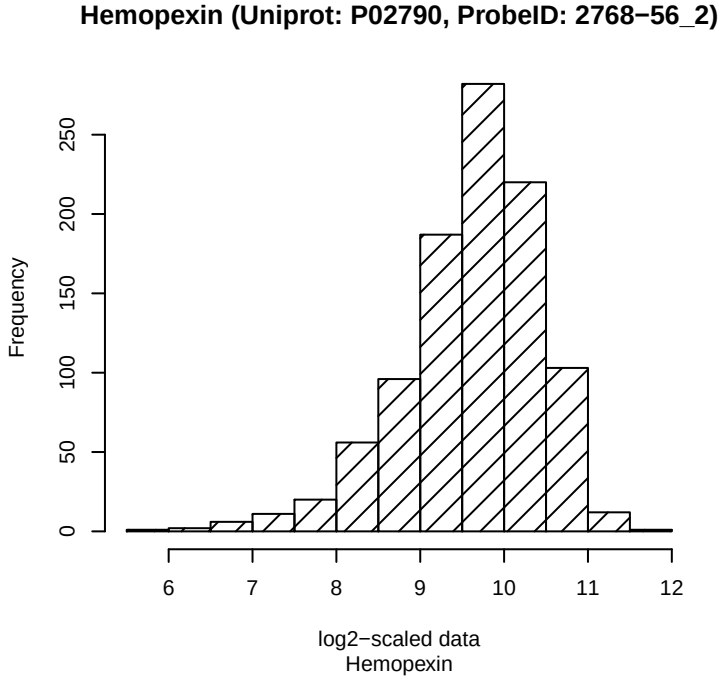


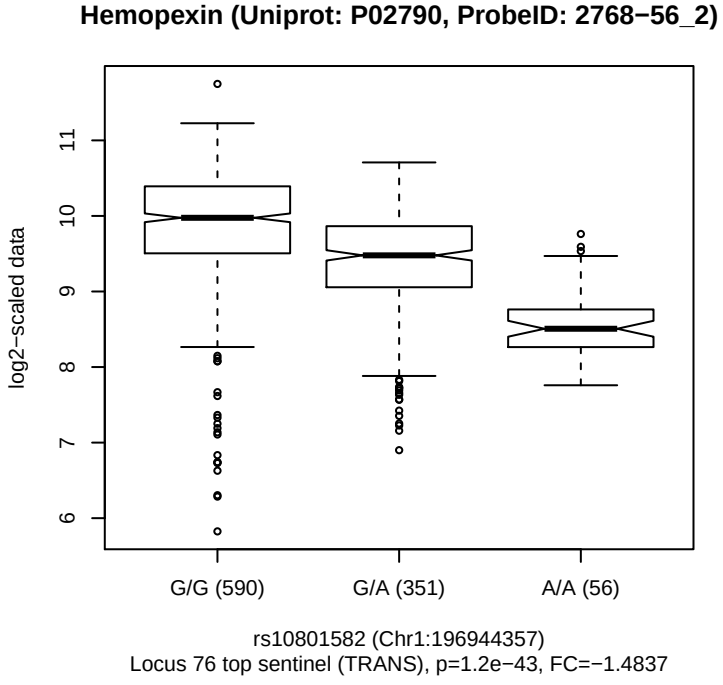

**kallikrein 12 (Uniprot: Q9UKR0, ProbeID: 3199−54_2)**

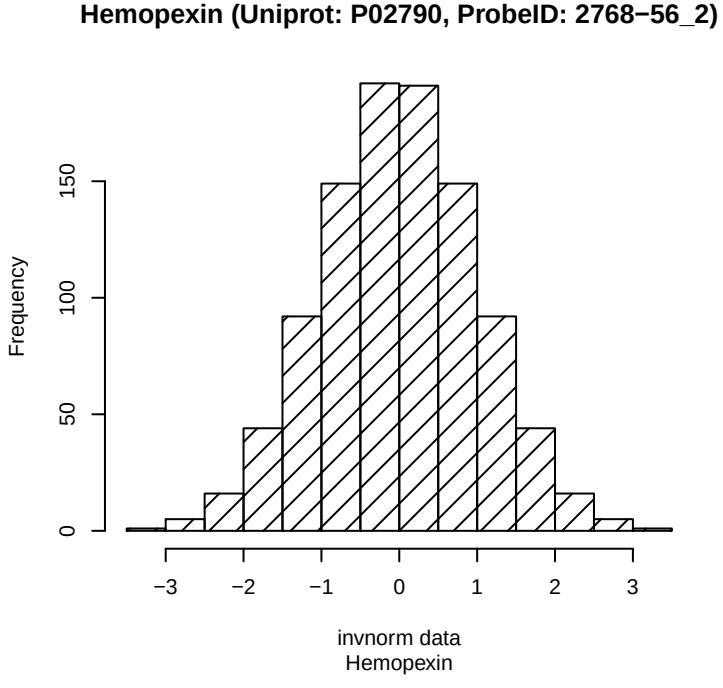


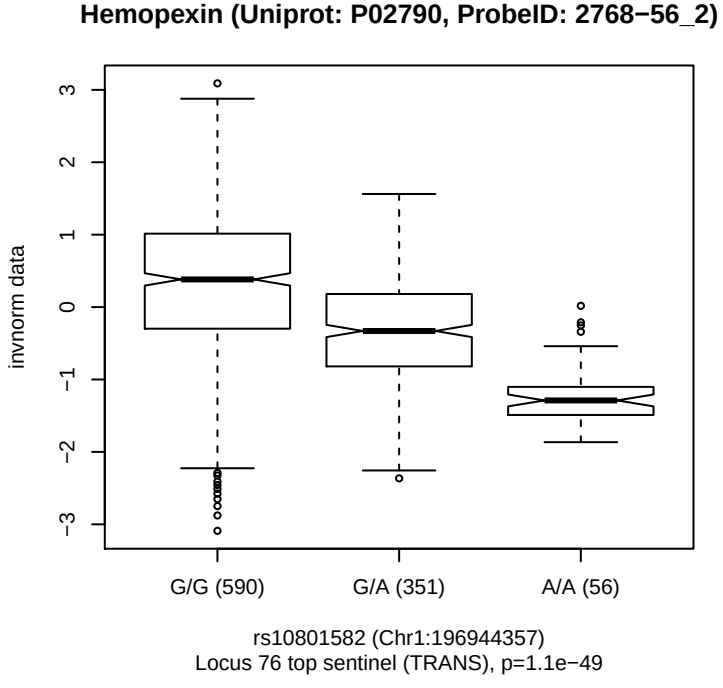

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
Frequency
0
100
200
300
400
0
500
1000
1500
2000
2500
3000
3500
raw data
Hemopexin


Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
raw data
0
500
1000
1500
2000
2500
3000
3500
G/G (590)
G/A (351)
A/A (56)
rs10801582 (Chr1:196944357)
Locus 76 top sentinel (TRANS), p=7.8e−50

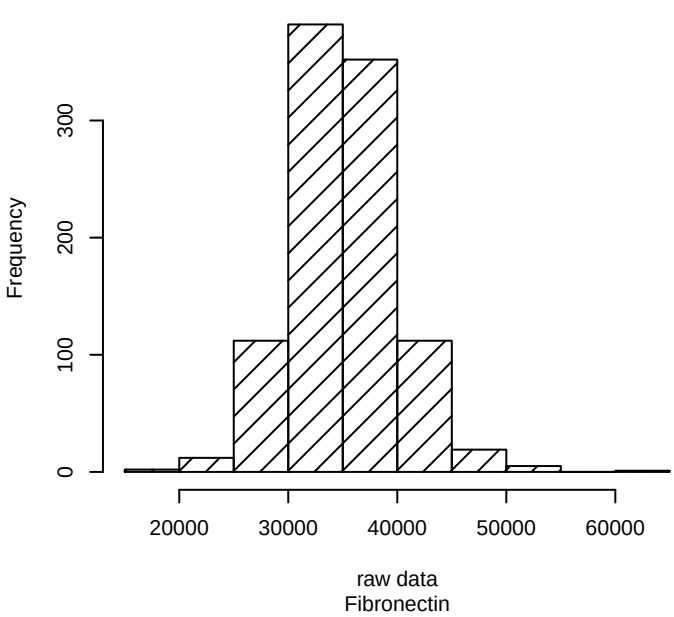

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
Frequency
0
50
100
150
200
250
6
7
8
9
10
11
12
log2−scaled data
Hemopexin


Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
log2−scaled data
6
7
8
9
10
11
G/G (590)
G/A (351)
A/A (56)
rs10801582 (Chr1:196944357)
Locus 76 top sentinel (TRANS), p=1.2e−43, FC=−1.4837

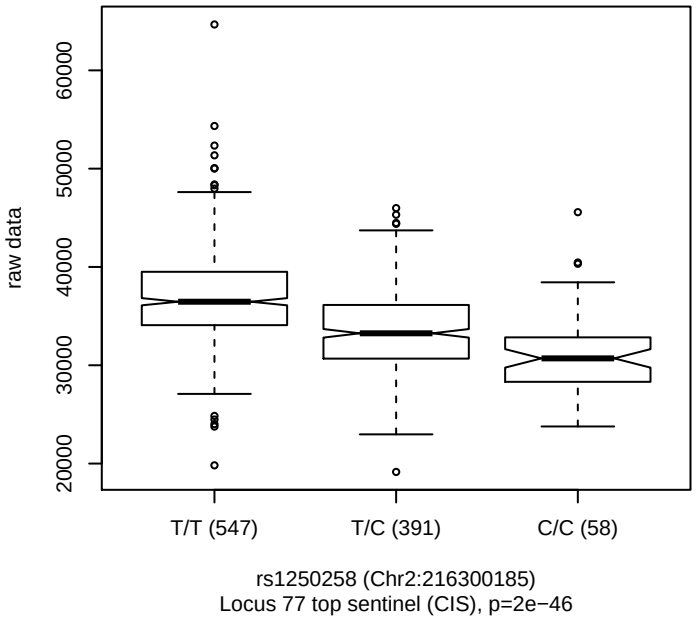

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Hemopexin


Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (590)
G/A (351)
A/A (56)
rs10801582 (Chr1:196944357)
Locus 76 top sentinel (TRANS), p=1.1e−49

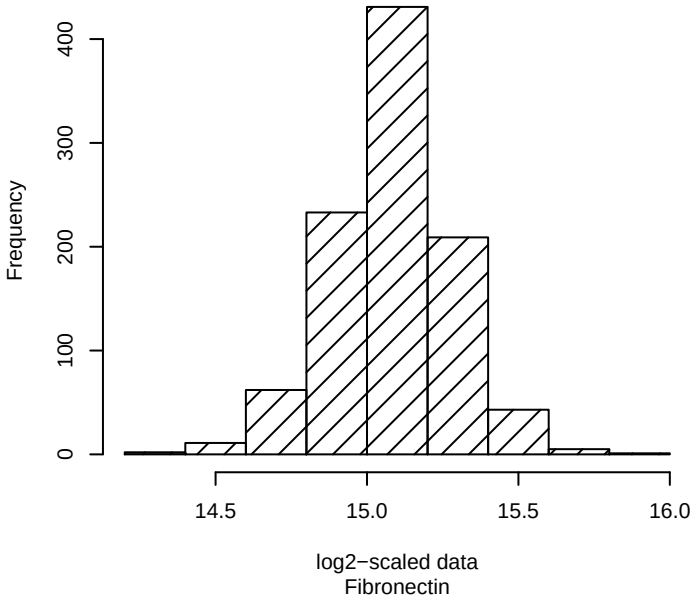
**Fibronectin (Uniprot: P02751, ProbeID: 4131−72_2)**



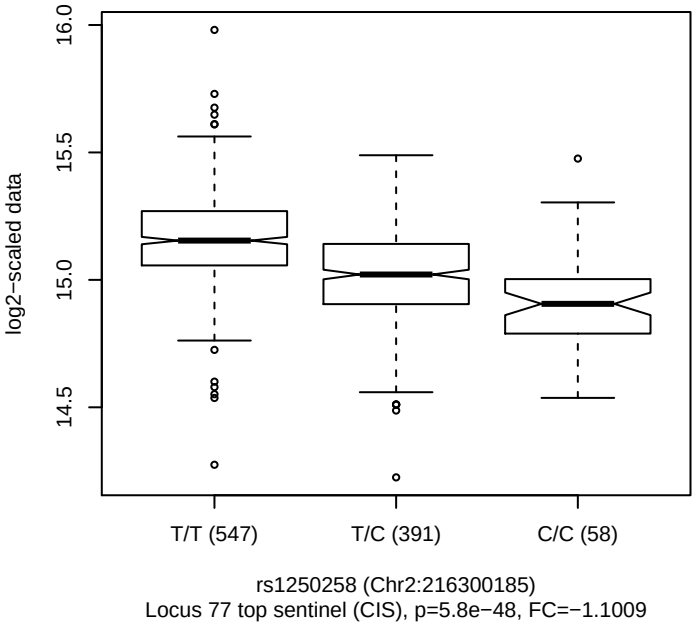

**Fibronectin (Uniprot: P02751, ProbeID: 4131−72_2)**



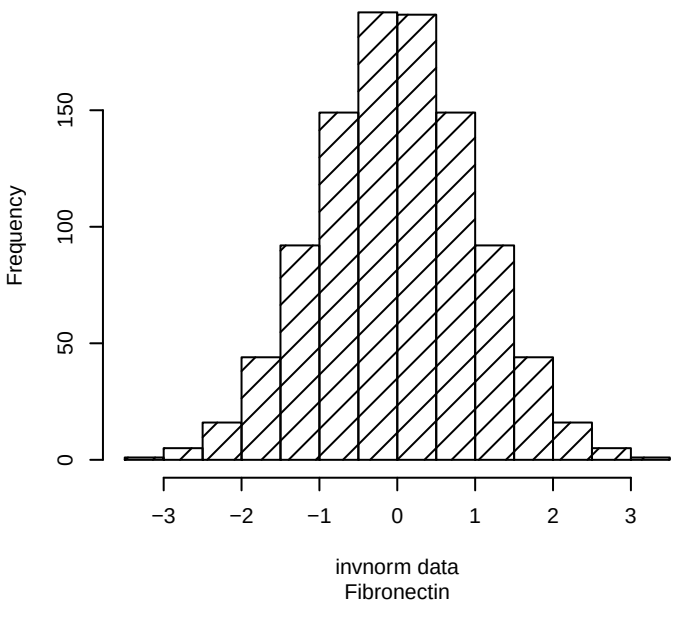

**Fibronectin (Uniprot: P02751, ProbeID: 4131−72_2)**



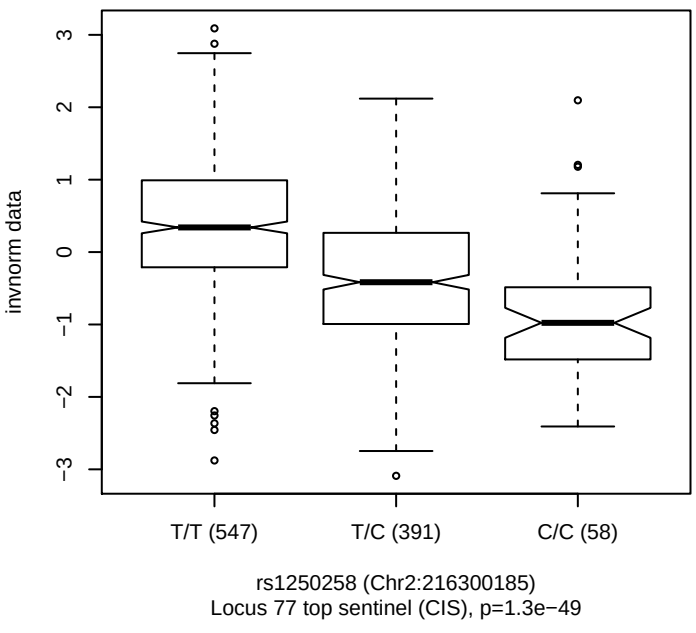

**Fibronectin (Uniprot: P02751, ProbeID: 4131−72_2)**

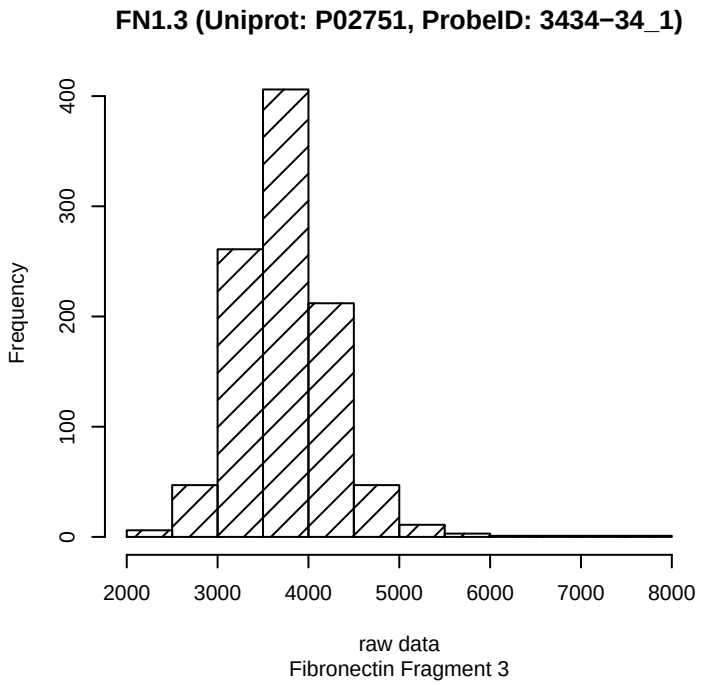


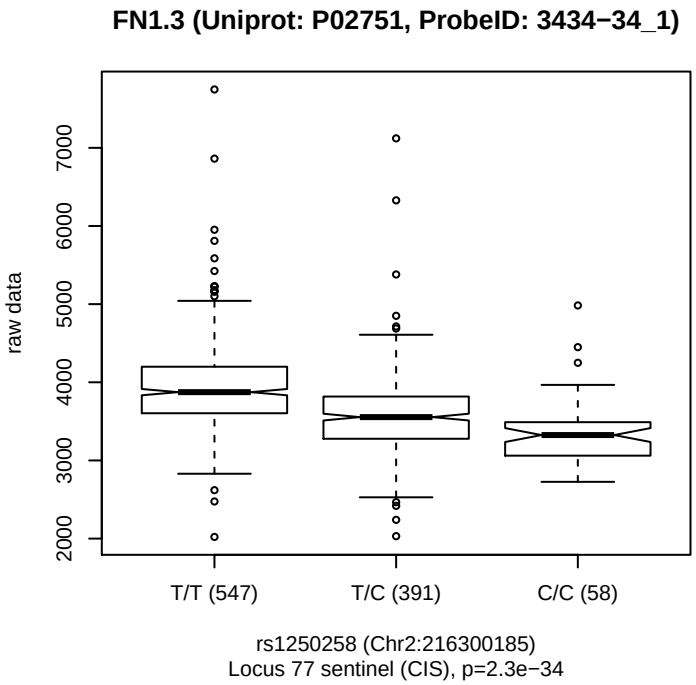

**Fibronectin (Uniprot: P02751, ProbeID: 4131−72_2)**

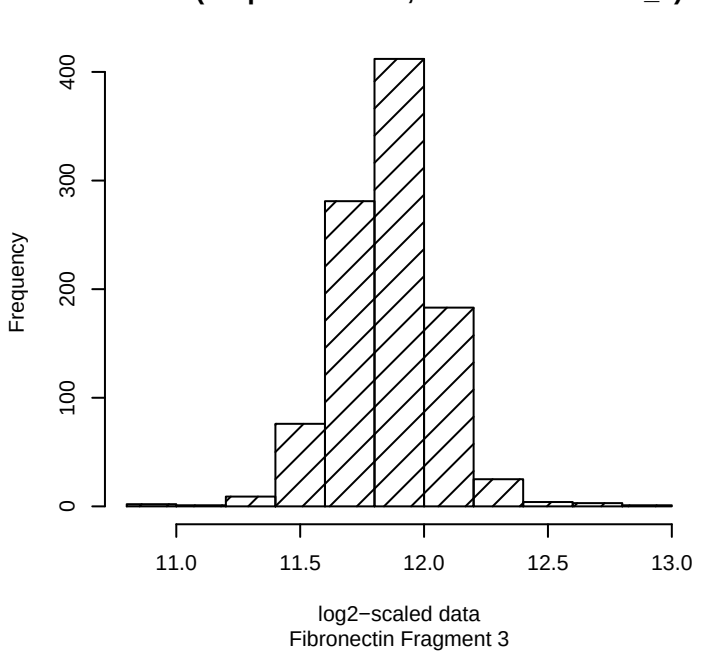


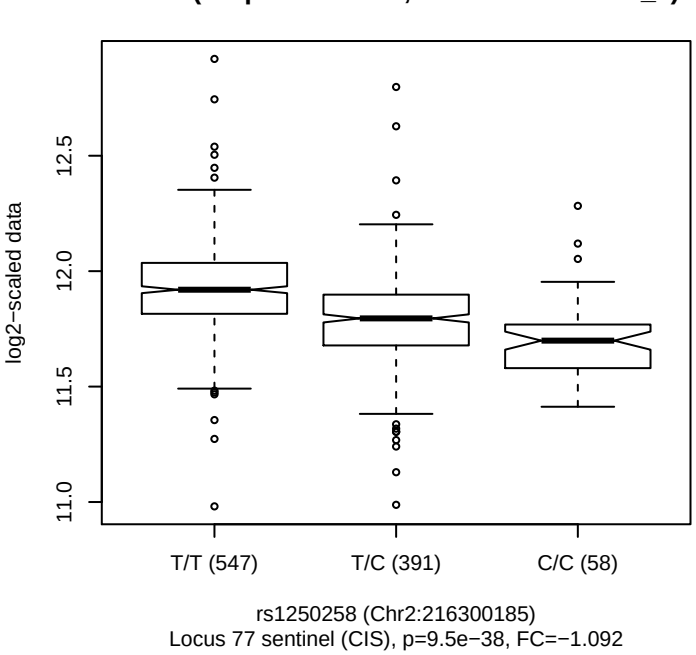

**Fibronectin (Uniprot: P02751, ProbeID: 4131−72_2)**

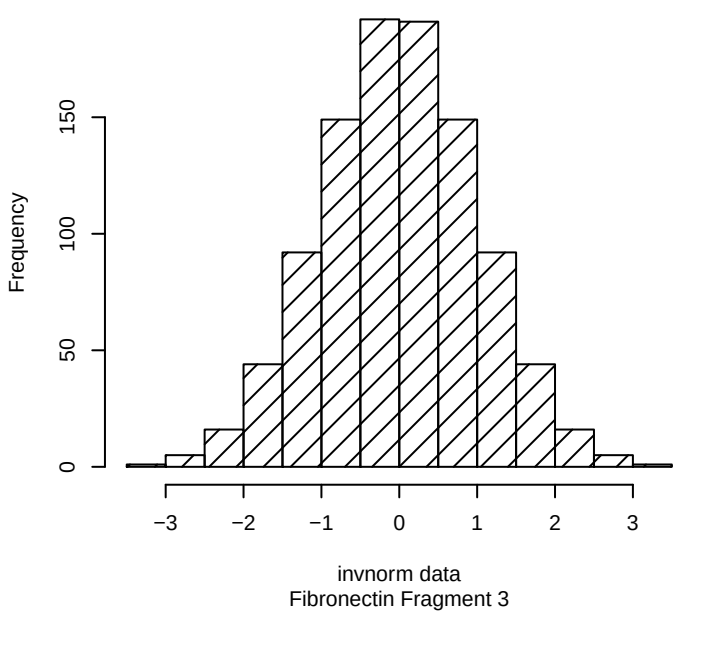


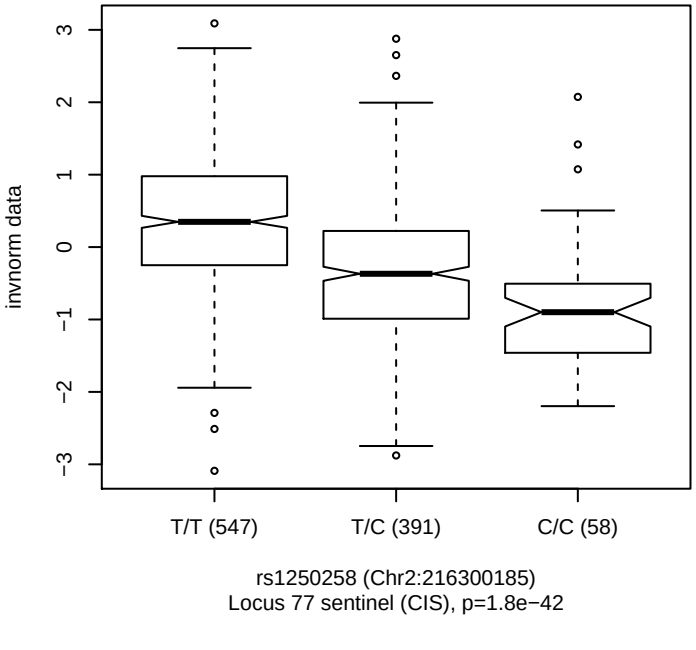

FN1.3 (Uniprot: P02751, ProbeID: 3434−34_1)
Frequency
0
100
200
300
400
2000
3000
4000
5000
6000
7000
8000
raw data
Fibronectin Fragment 3

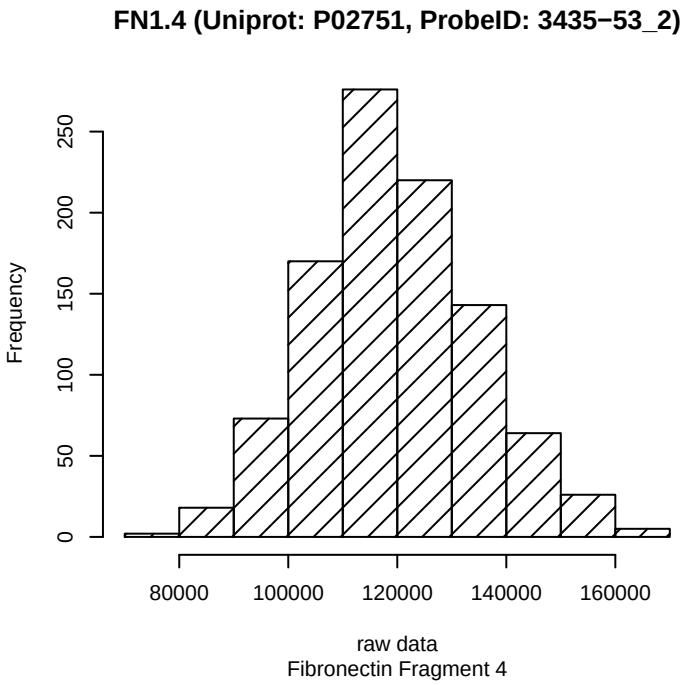

FN1.3 (Uniprot: P02751, ProbeID: 3434−34_1)
raw data
2000
3000
4000
5000
6000
7000
T/T (547)
T/C (391)
C/C (58)
rs1250258 (Chr2:216300185)
Locus 77 sentinel (CIS), p=2.3e−34

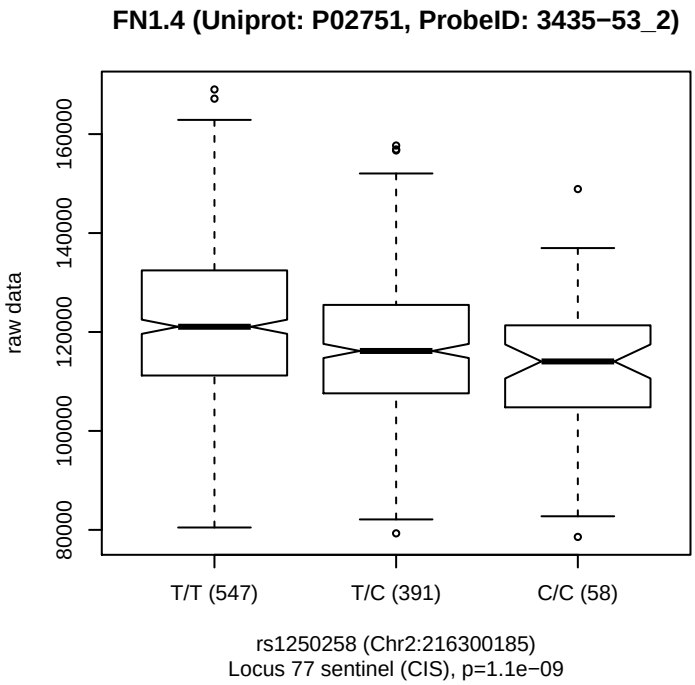

FN1.3 (Uniprot: P02751, ProbeID: 3434−34_1)
Frequency
0
100
200
300
400
11.0
11.5
12.0
12.5
13.0
log2−scaled data
Fibronectin Fragment 3

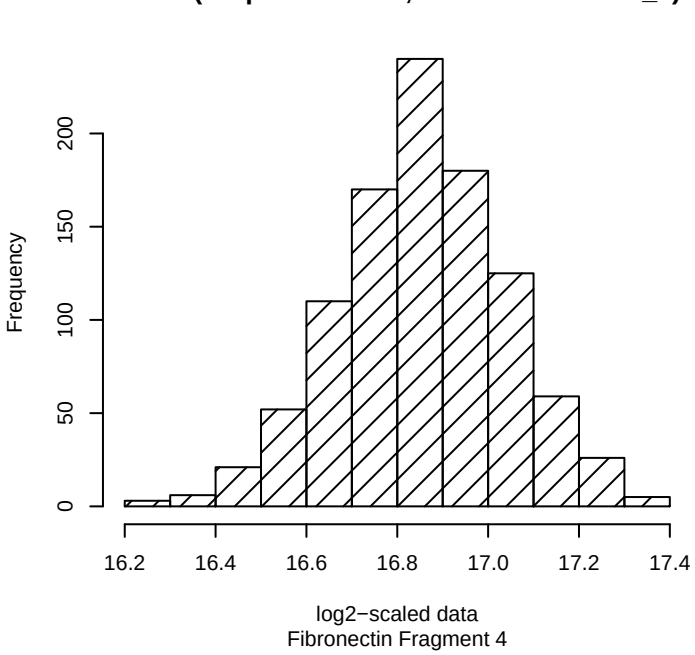

FN1.3 (Uniprot: P02751, ProbeID: 3434−34_1)
log2−scaled data
11.0
11.5
12.0
12.5
T/T (547)
T/C (391)
C/C (58)
rs1250258 (Chr2:216300185)
Locus 77 sentinel (CIS), p=9.5e−38, FC=−1.092

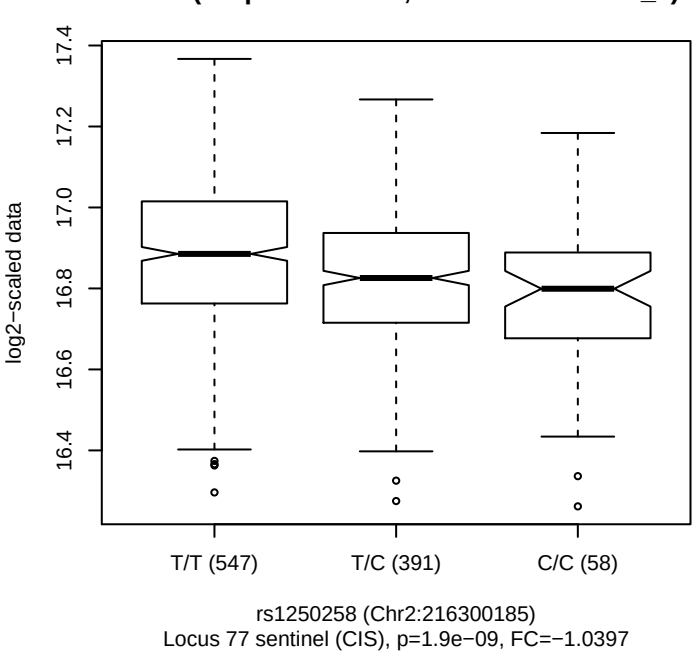

FN1.3 (Uniprot: P02751, ProbeID: 3434−34_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Fibronectin Fragment 3

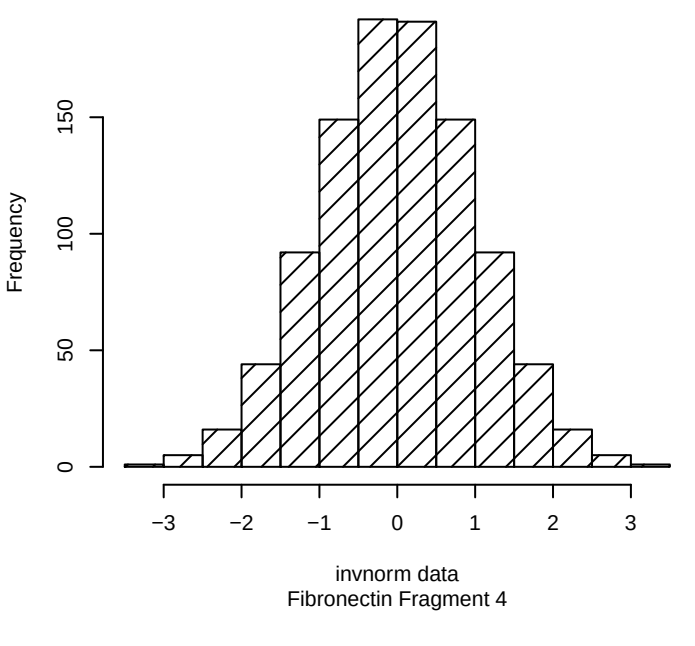

FN1.3 (Uniprot: P02751, ProbeID: 3434−34_1)
invnorm data
−3
−2
−1
0
1
2
3
T/T (547)
T/C (391)
C/C (58)
rs1250258 (Chr2:216300185)
Locus 77 sentinel (CIS), p=1.8e−42

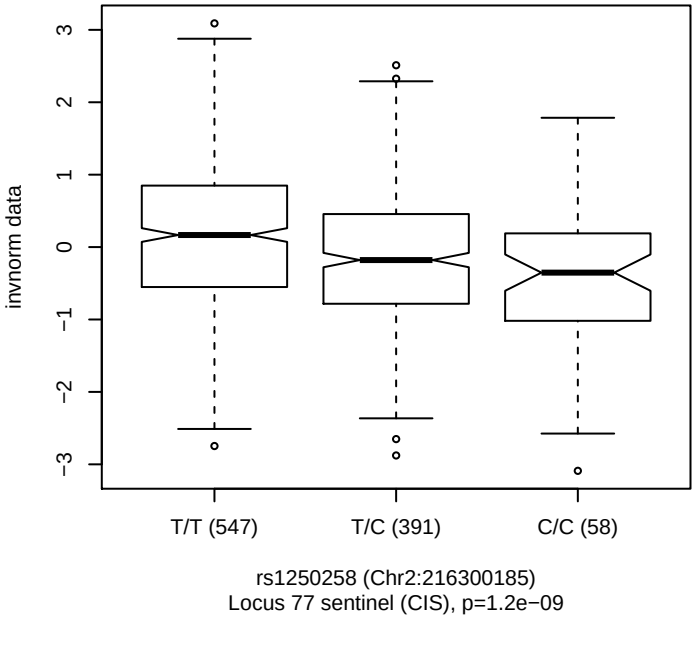

FN1.4 (Uniprot: P02751, ProbeID: 3435−53_2)
Frequency
0
50
100
150
200
250
80000
100000
120000
140000
160000
raw data
Fibronectin Fragment 4

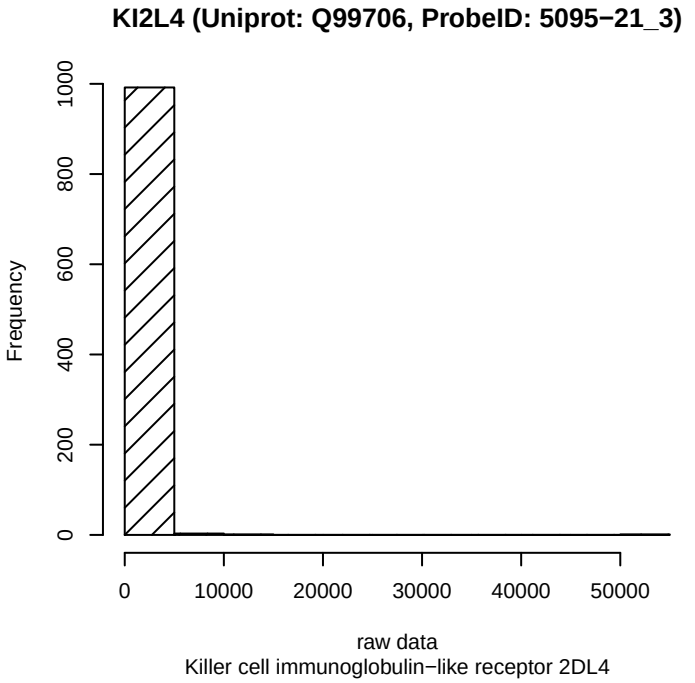

FN1.4 (Uniprot: P02751, ProbeID: 3435−53_2)
raw data
80000
100000
120000
140000
160000
T/T (547)
T/C (391)
C/C (58)
rs1250258 (Chr2:216300185)
Locus 77 sentinel (CIS), p=1.1e−09

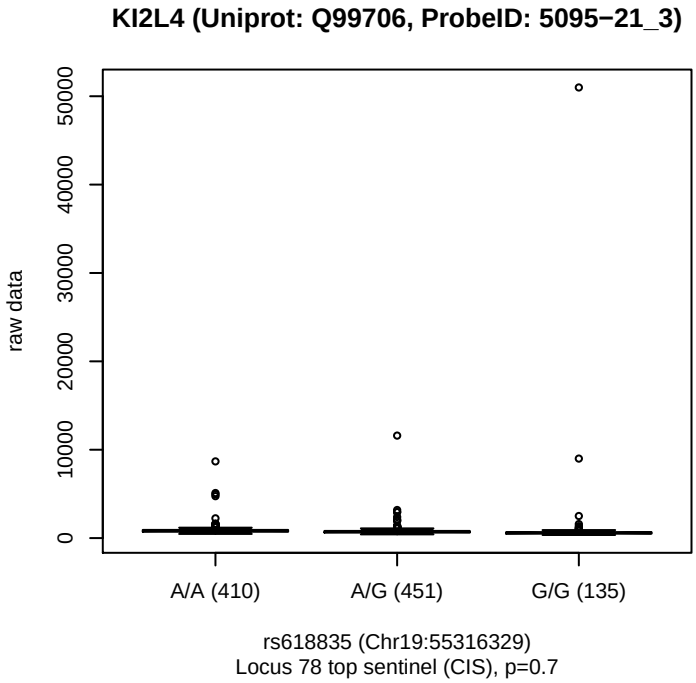

FN1.4 (Uniprot: P02751, ProbeID: 3435−53_2)
Frequency
0
50
100
150
200
16.2
16.4
16.6
16.8
17.0
17.2
17.4
log2−scaled data
Fibronectin Fragment 4

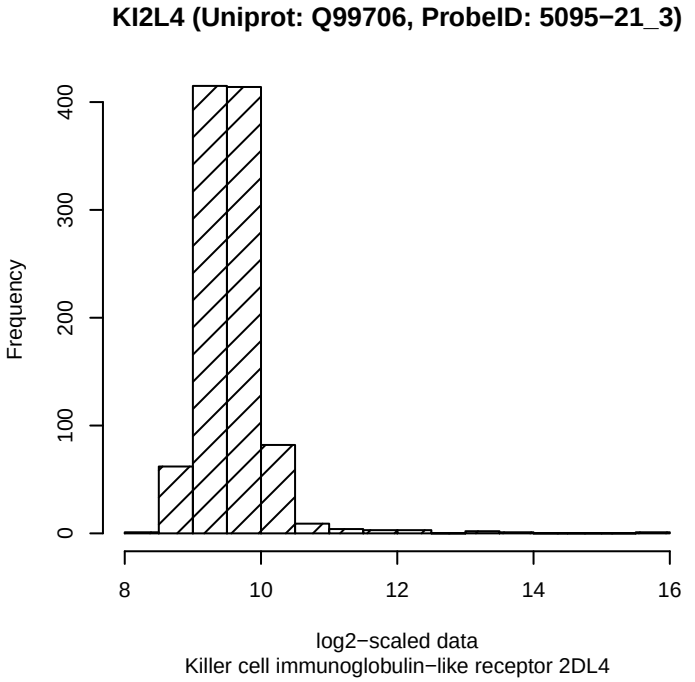

FN1.4 (Uniprot: P02751, ProbeID: 3435−53_2)
log2−scaled data
16.4
16.6
16.8
17.0
17.2
17.4
T/T (547)
T/C (391)
C/C (58)
rs1250258 (Chr2:216300185)
Locus 77 sentinel (CIS), p=1.9e−09, FC=−1.0397

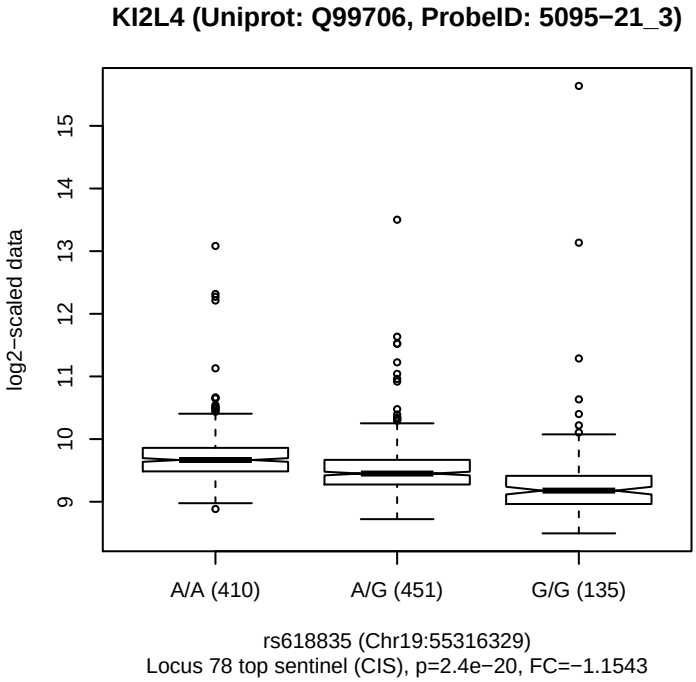

FN1.4 (Uniprot: P02751, ProbeID: 3435−53_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Fibronectin Fragment 4

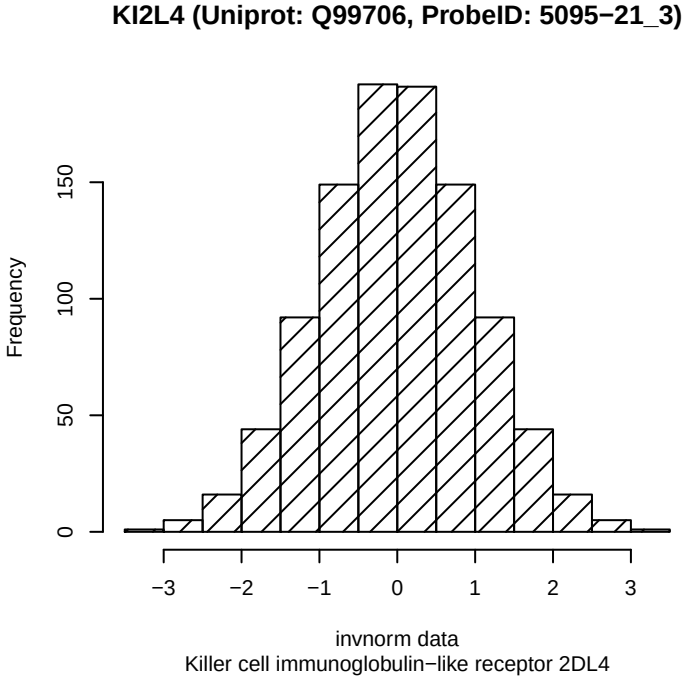

FN1.4 (Uniprot: P02751, ProbeID: 3435−53_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (547)
T/C (391)
C/C (58)
rs1250258 (Chr2:216300185)
Locus 77 sentinel (CIS), p=1.2e−09

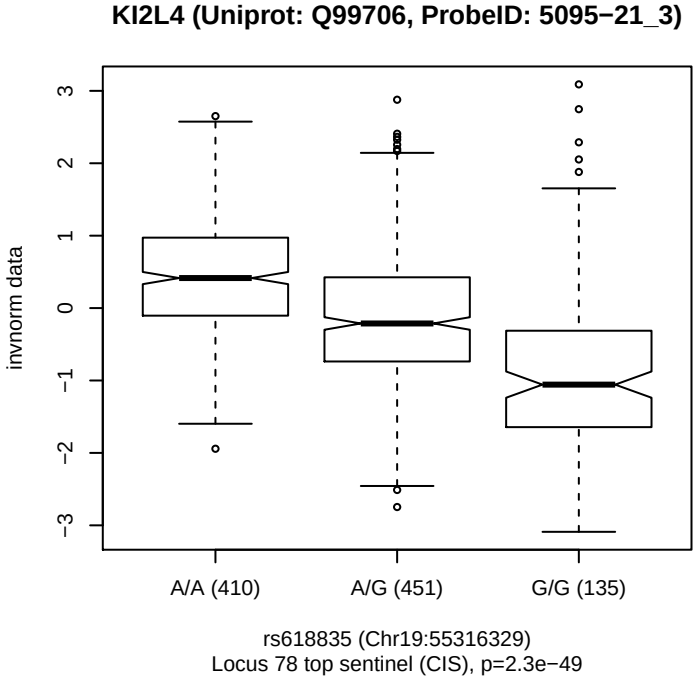

KI2L4 (Uniprot: Q99706, ProbeID: 5095−21_3)
Frequency
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
raw data
Killer cell immunoglobulin−like receptor 2DL4

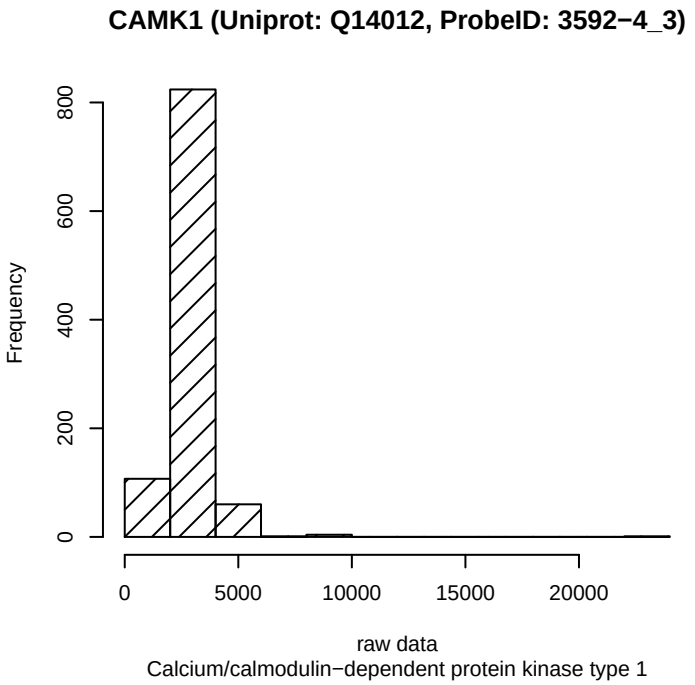

KI2L4 (Uniprot: Q99706, ProbeID: 5095−21_3)
raw data
0
10000
20000
30000
40000
50000
A/A (410)
A/G (451)
G/G (135)
rs618835 (Chr19:55316329)
Locus 78 top sentinel (CIS), p=0.7

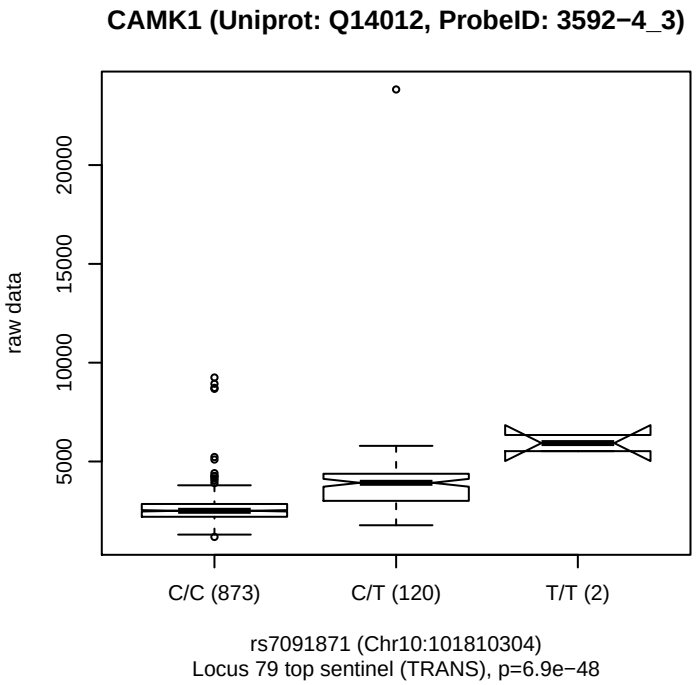

KI2L4 (Uniprot: Q99706, ProbeID: 5095−21_3)
Frequency
0
100
200
300
400
8
10
12
14
16
log2−scaled data
Killer cell immunoglobulin−like receptor 2DL4

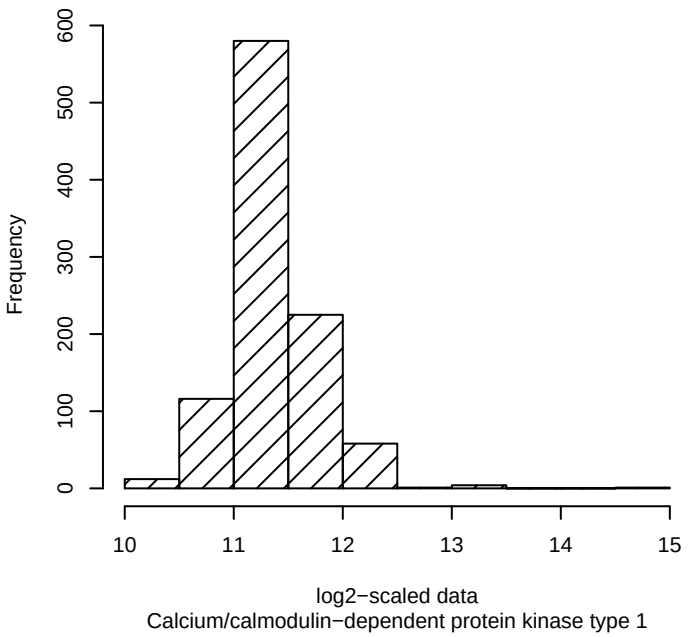

KI2L4 (Uniprot: Q99706, ProbeID: 5095−21_3)
log2−scaled data
9
10
11
12
13
14
15
A/A (410)
A/G (451)
G/G (135)
rs618835 (Chr19:55316329)
Locus 78 top sentinel (CIS), p=2.4e−20, FC=−1.1543

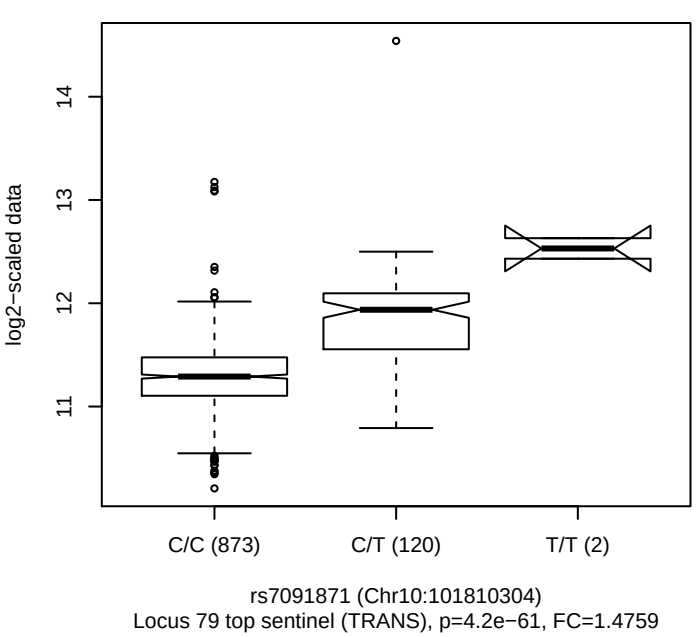

KI2L4 (Uniprot: Q99706, ProbeID: 5095−21_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Killer cell immunoglobulin−like receptor 2DL4

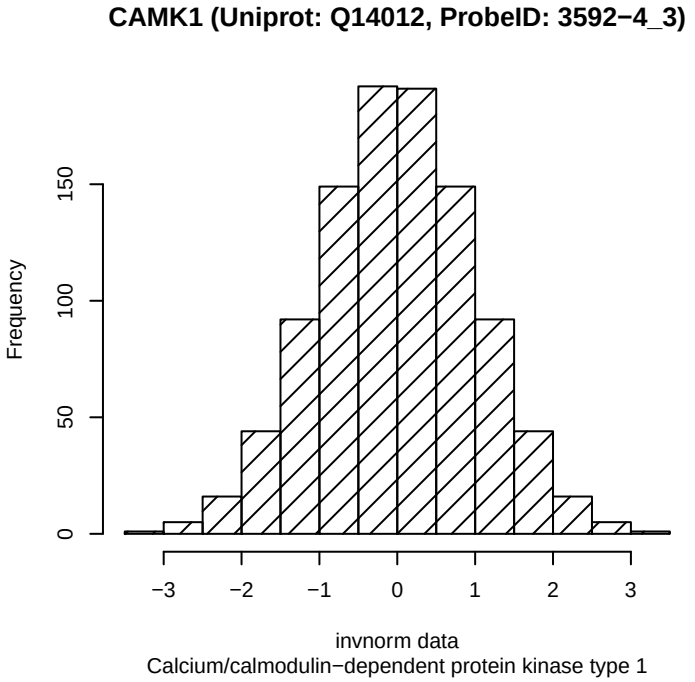

KI2L4 (Uniprot: Q99706, ProbeID: 5095−21_3)
invnorm data
−3
−2
−1
0
1
2
3
A/A (410)
A/G (451)
G/G (135)
rs618835 (Chr19:55316329)
Locus 78 top sentinel (CIS), p=2.3e−49

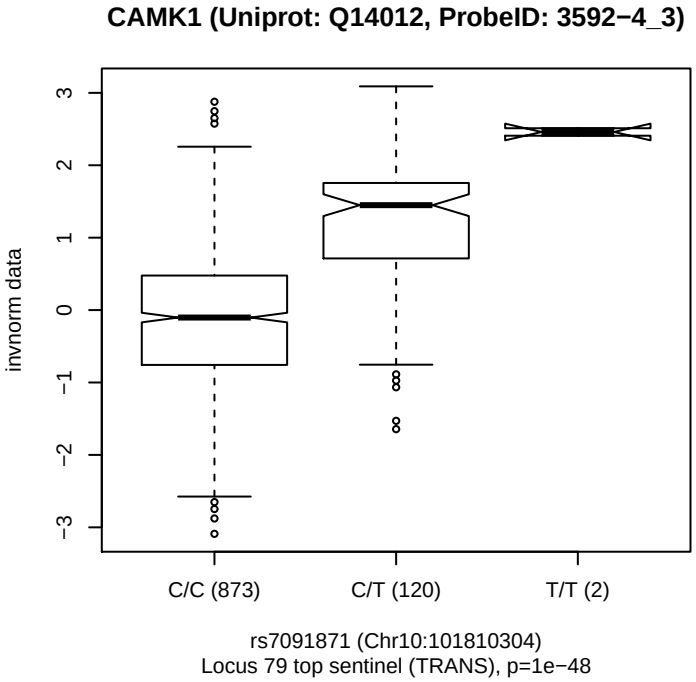

CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)
Frequency
0
200
400
600
800
0
5000
10000
15000
20000
raw data
Calcium/calmodulin−dependent protein kinase type 1

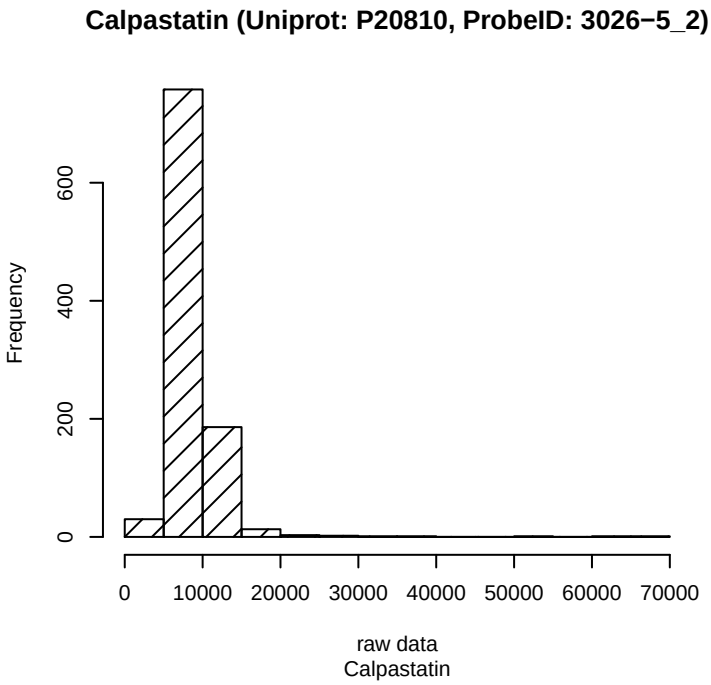

CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)
raw data
5000
10000
15000
20000
C/C (873)
C/T (120)
T/T (2)
rs7091871 (Chr10:101810304)
Locus 79 top sentinel (TRANS), p=6.9e−48

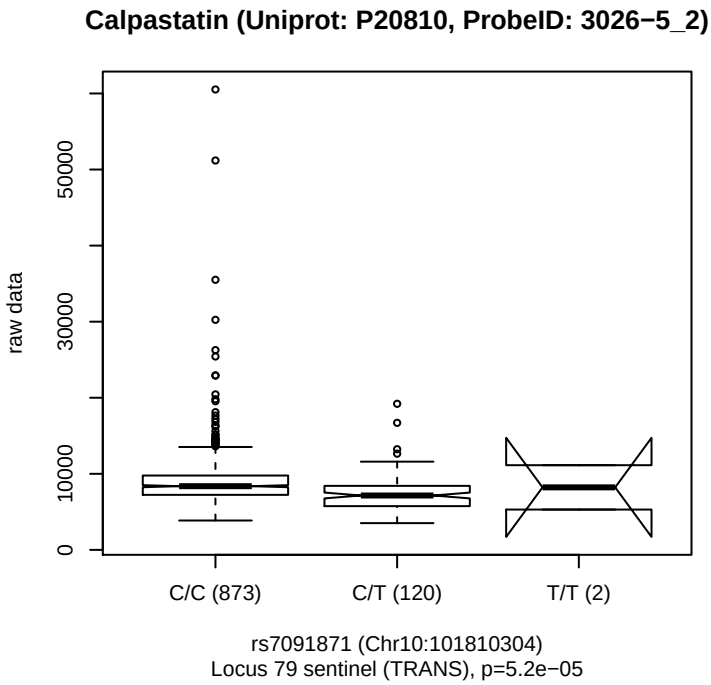

CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)
Frequency
0
100
200
300
400
500
600
10
11
12
13
14
15
log2−scaled data
Calcium/calmodulin−dependent protein kinase type 1

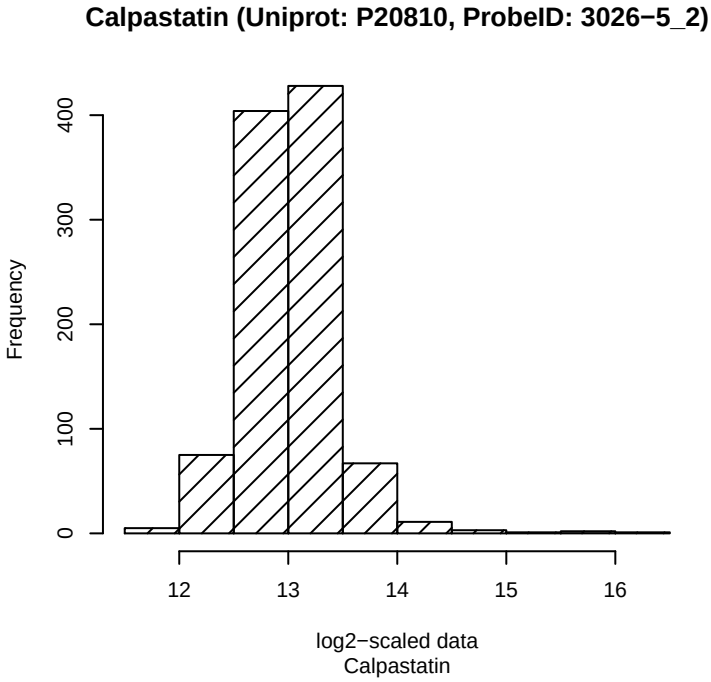

CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)
log2−scaled data
11
12
13
14
C/C (873)
C/T (120)
T/T (2)
rs7091871 (Chr10:101810304)
Locus 79 top sentinel (TRANS), p=4.2e−61, FC=1.4759

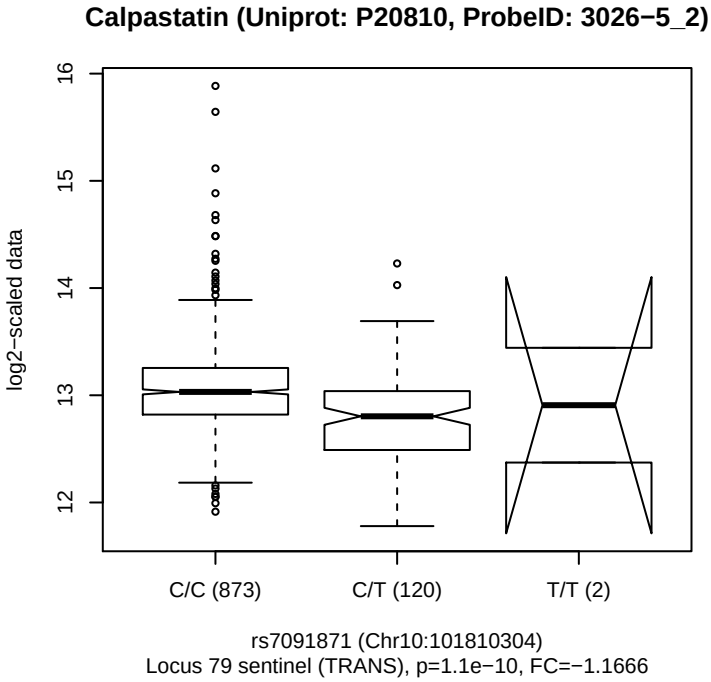

CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Calcium/calmodulin−dependent protein kinase type 1

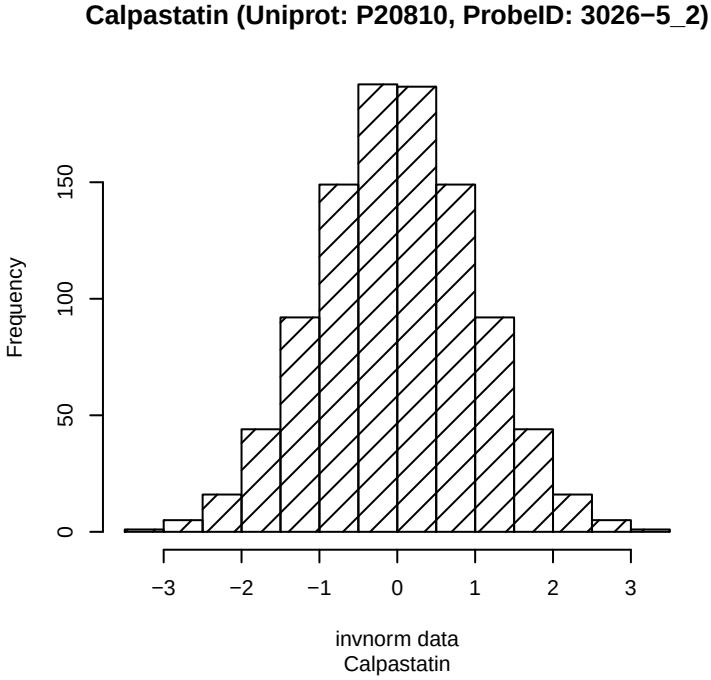

CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)
invnorm data
−3
−2
−1
0
1
2
3
C/C (873)
C/T (120)
T/T (2)
rs7091871 (Chr10:101810304)
Locus 79 top sentinel (TRANS), p=1e−48

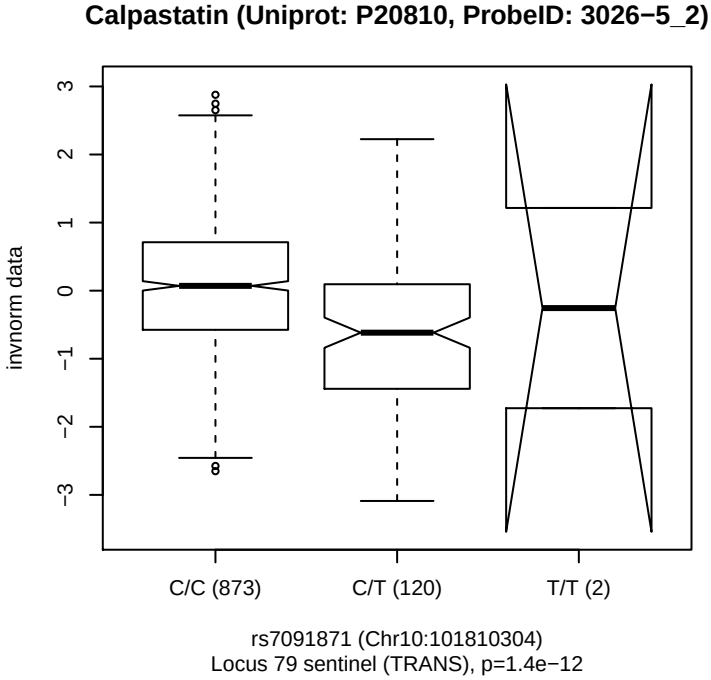

Calpastatin (Uniprot: P20810, ProbeID: 3026−5_2)
Frequency
0
200
400
600
0
10000
20000
30000
40000
50000
60000
70000
raw data
Calpastatin


Calpastatin (Uniprot: P20810, ProbeID: 3026−5_2)
raw data
0
10000
30000
50000
C/C (873)
C/T (120)
T/T (2)
rs7091871 (Chr10:101810304)
Locus 79 sentinel (TRANS), p=5.2e−05

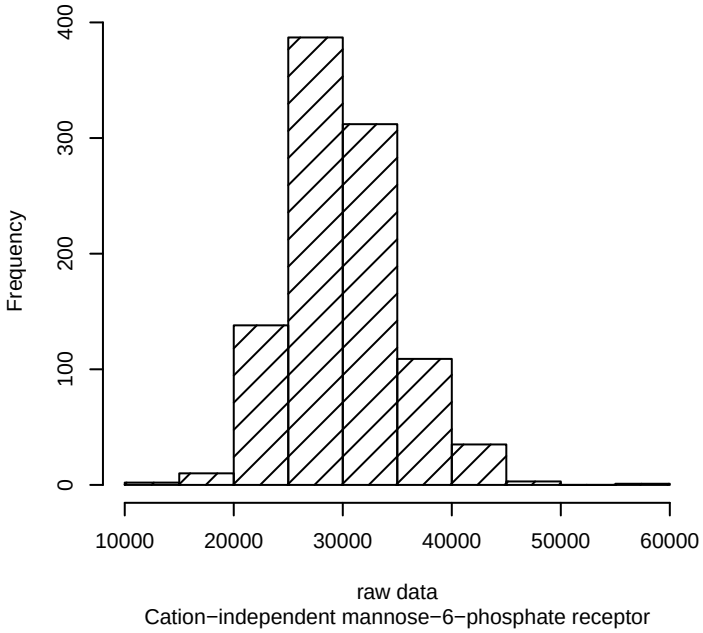

Calpastatin (Uniprot: P20810, ProbeID: 3026−5_2)
Frequency
0
100
200
300
400
12
13
14
15
16
log2−scaled data
Calpastatin


Calpastatin (Uniprot: P20810, ProbeID: 3026−5_2)
log2−scaled data
12
13
14
15
16
C/C (873)
C/T (120)
T/T (2)
rs7091871 (Chr10:101810304)
Locus 79 sentinel (TRANS), p=1.1e−10, FC=−1.1666

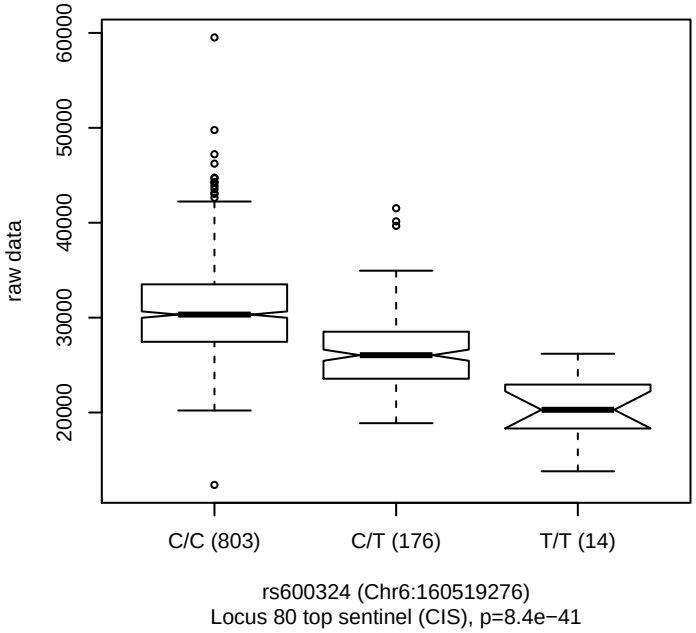

Calpastatin (Uniprot: P20810, ProbeID: 3026−5_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Calpastatin


Calpastatin (Uniprot: P20810, ProbeID: 3026−5_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (873)
C/T (120)
T/T (2)
rs7091871 (Chr10:101810304)
Locus 79 sentinel (TRANS), p=1.4e−12

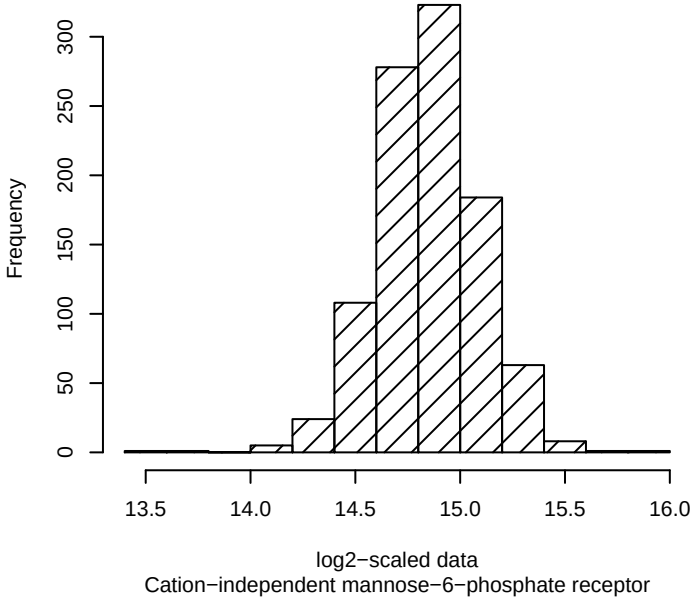
**IGF−II receptor (Uniprot: P11717, ProbeID: 3676−15_3)**



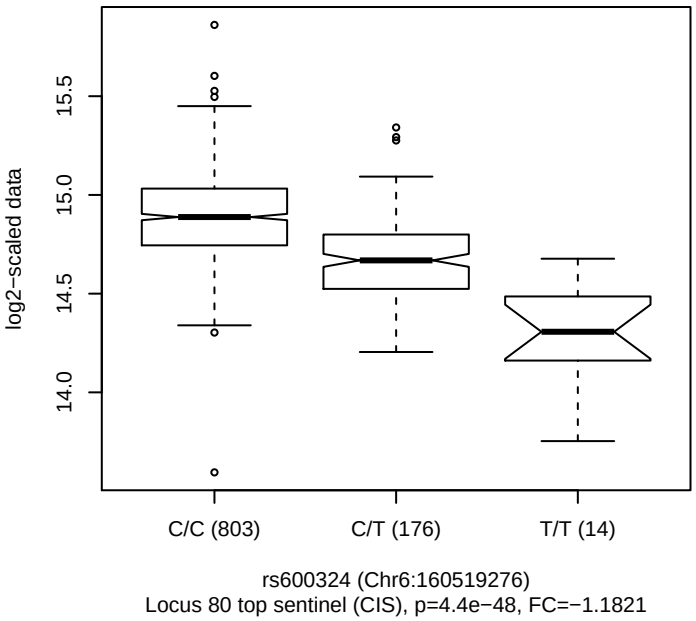

**IGF−II receptor (Uniprot: P11717, ProbeID: 3676−15_3)**



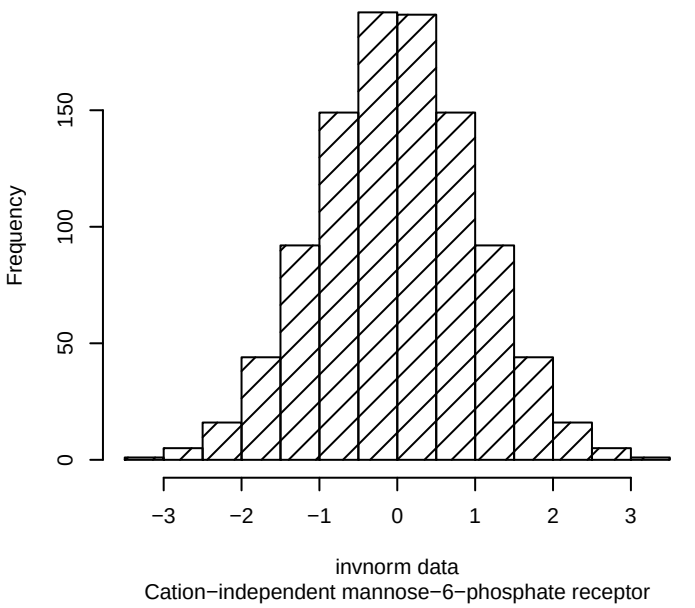

**IGF−II receptor (Uniprot: P11717, ProbeID: 3676−15_3)**



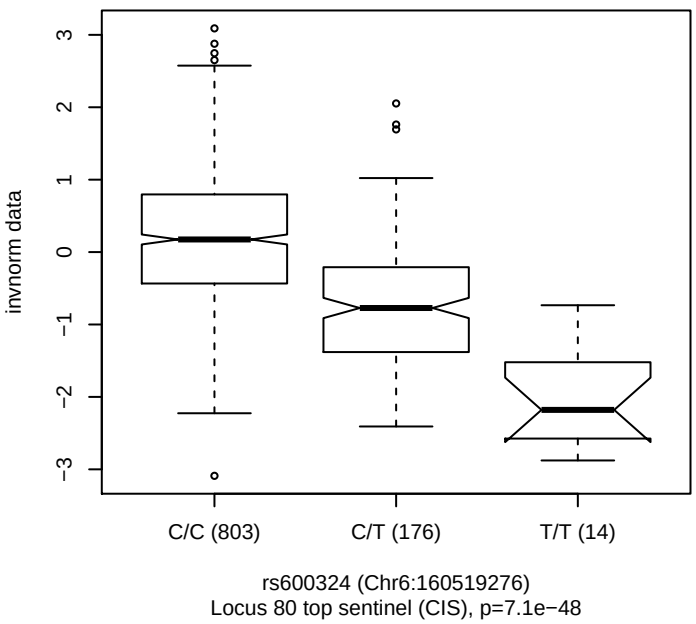

**IGF−II receptor (Uniprot: P11717, ProbeID: 3676−15_3)**

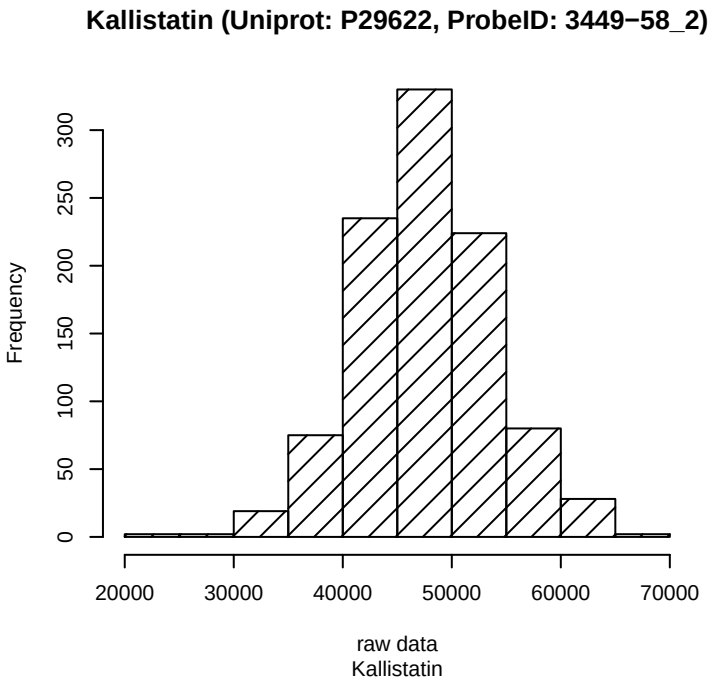


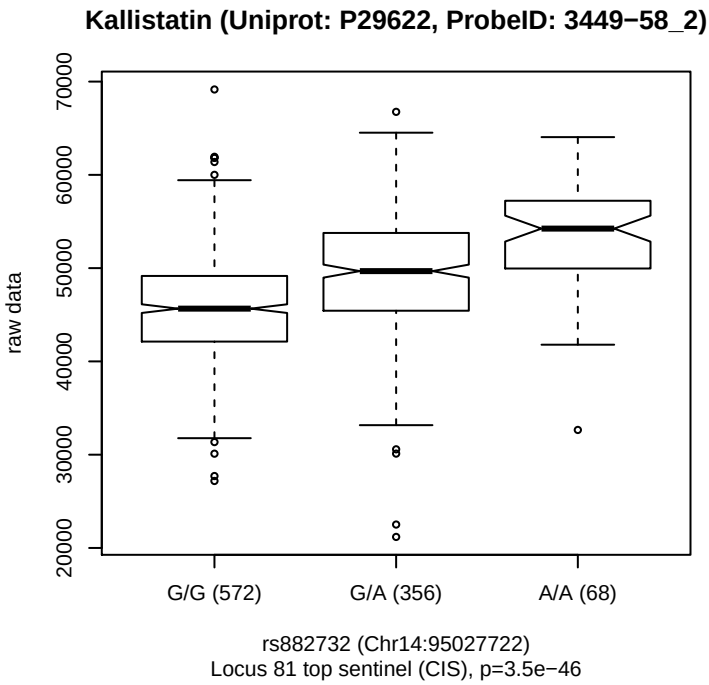

**IGF−II receptor (Uniprot: P11717, ProbeID: 3676−15_3)**

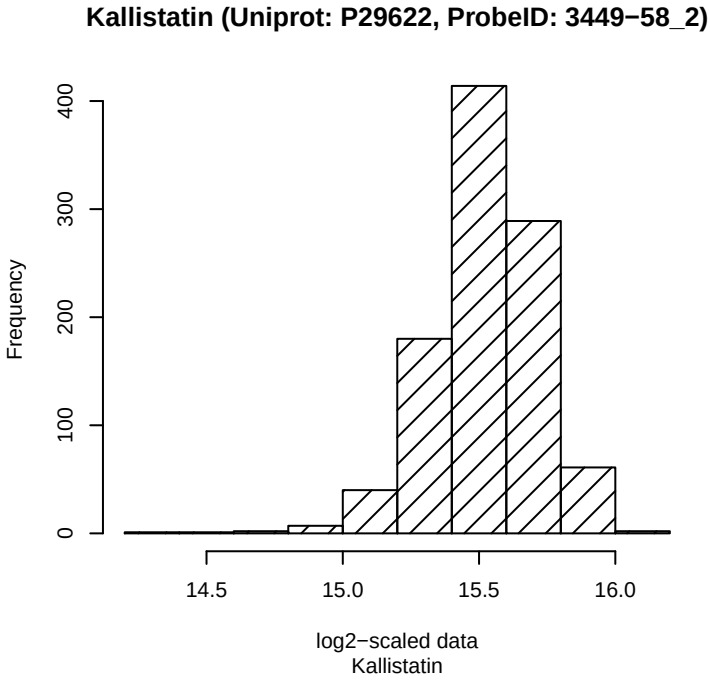


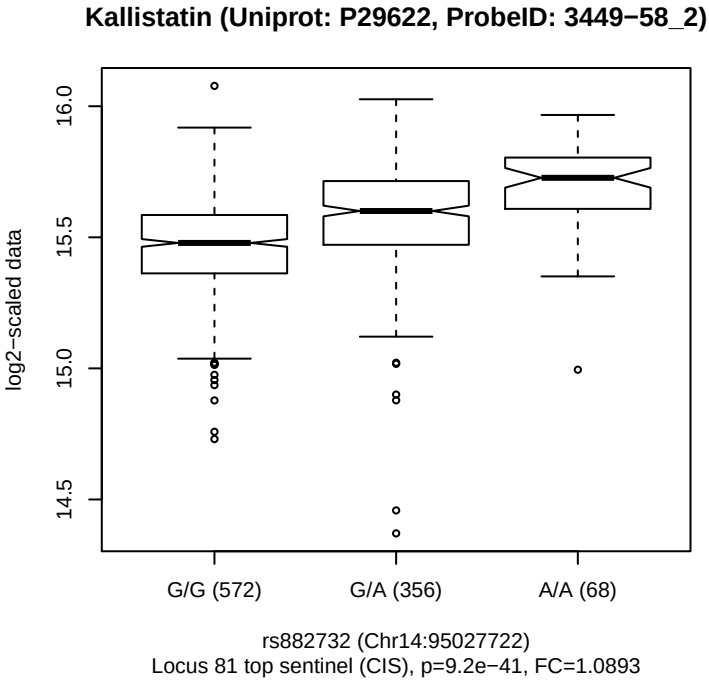

**IGF−II receptor (Uniprot: P11717, ProbeID: 3676−15_3)**

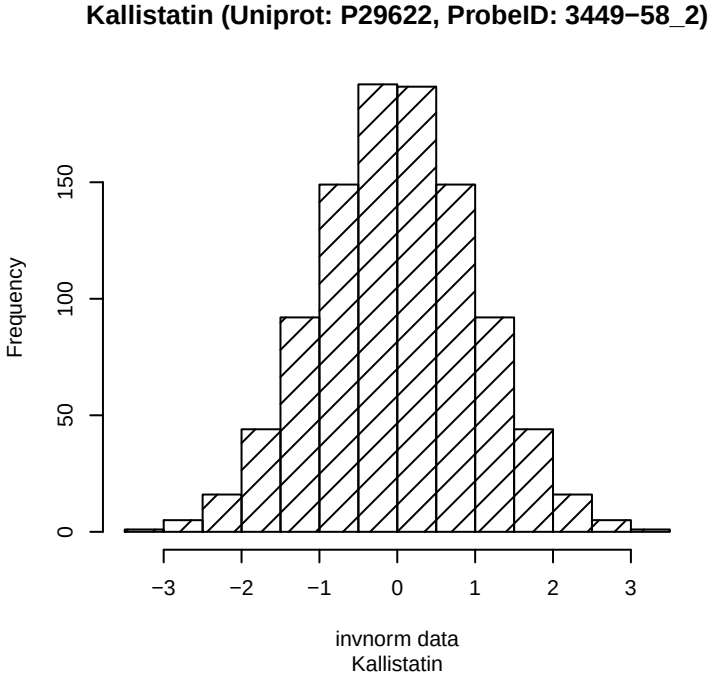


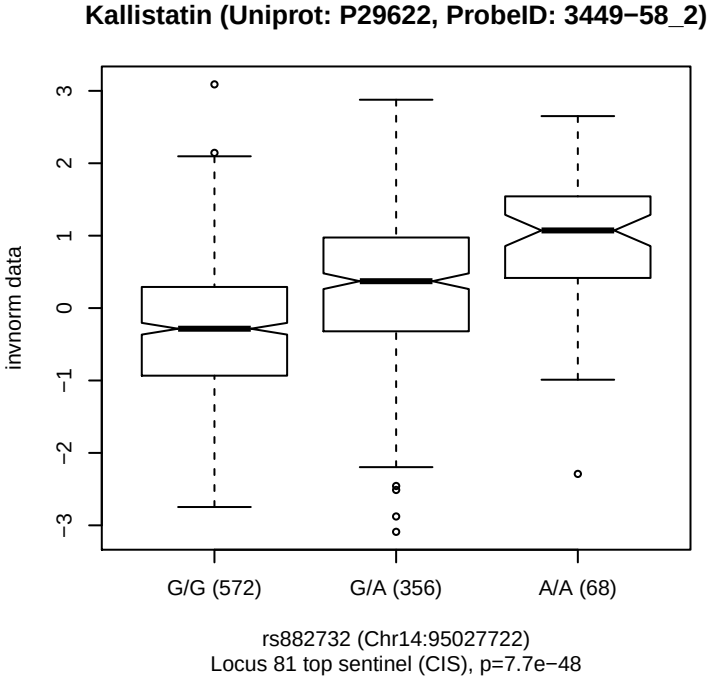

Kallistatin (Uniprot: P29622, ProbeID: 3449−58_2)
Frequency
0
50
100
150
200
250
300
20000
30000
40000
50000
60000
70000
raw data
Kallistatin


Kallistatin (Uniprot: P29622, ProbeID: 3449−58_2)
raw data
20000
30000
40000
50000
60000
70000
G/G (572)
G/A (356)
A/A (68)
rs882732 (Chr14:95027722)
Locus 81 top sentinel (CIS), p=3.5e−46

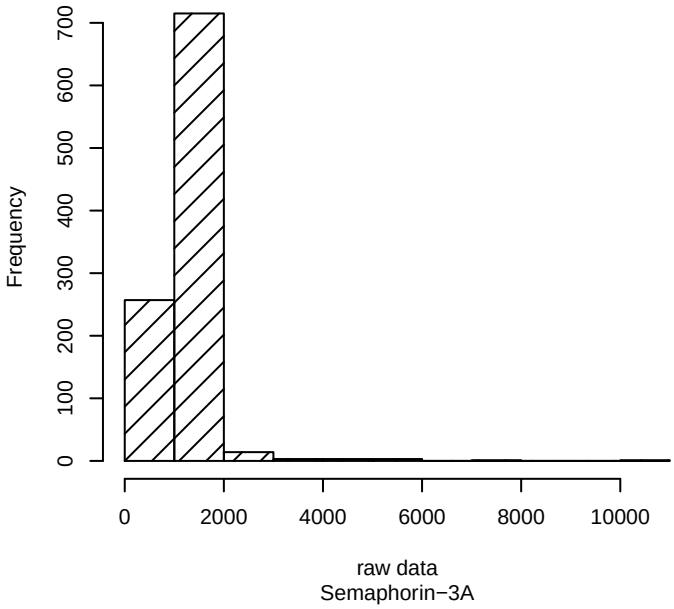

Kallistatin (Uniprot: P29622, ProbeID: 3449−58_2)
Frequency
0
100
200
300
400
14.5
15.0
15.5
16.0
log2−scaled data
Kallistatin


Kallistatin (Uniprot: P29622, ProbeID: 3449−58_2)
log2−scaled data
14.5
15.0
15.5
16.0
G/G (572)
G/A (356)
A/A (68)
rs882732 (Chr14:95027722)
Locus 81 top sentinel (CIS), p=9.2e−41, FC=1.0893

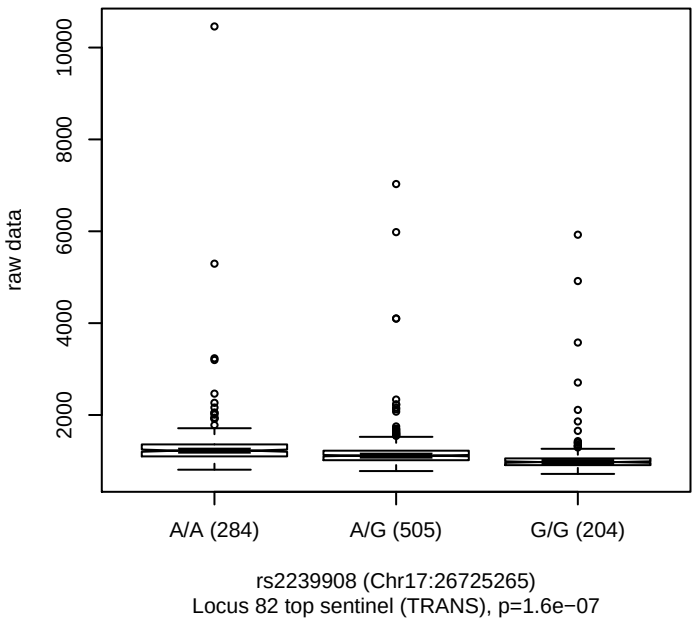

Kallistatin (Uniprot: P29622, ProbeID: 3449−58_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Kallistatin


Kallistatin (Uniprot: P29622, ProbeID: 3449−58_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (572)
G/A (356)
A/A (68)
rs882732 (Chr14:95027722)
Locus 81 top sentinel (CIS), p=7.7e−48

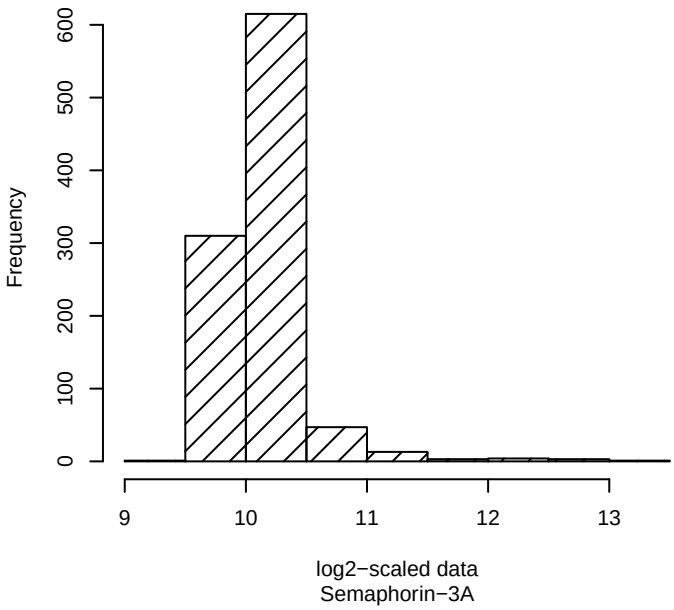
**Semaphorin 3A (Uniprot: Q14563, ProbeID: 3222−11_2)**



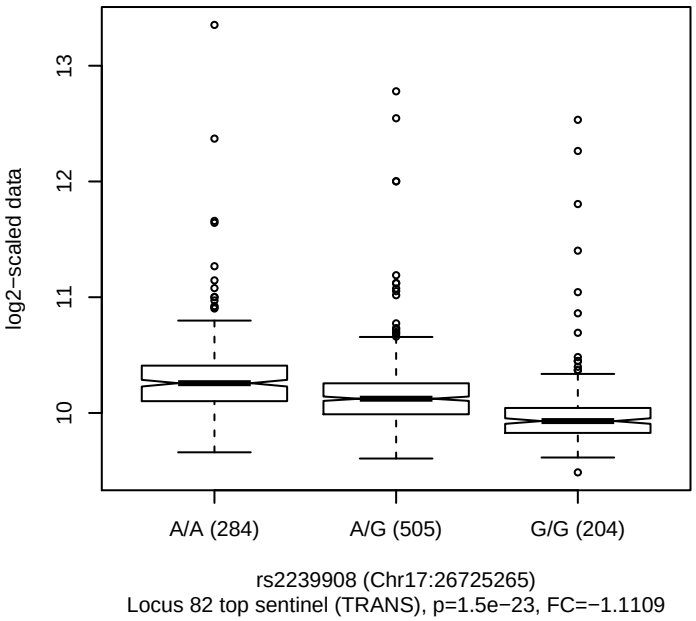

**Semaphorin 3A (Uniprot: Q14563, ProbeID: 3222−11_2)**



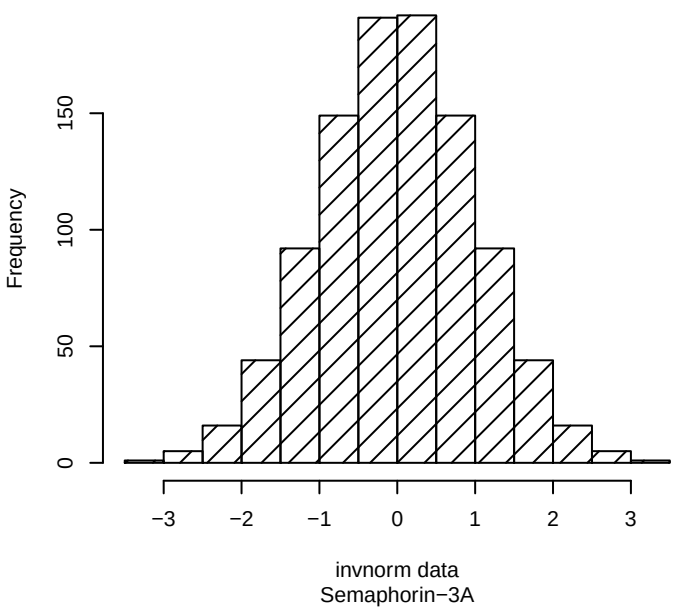

**Semaphorin 3A (Uniprot: Q14563, ProbeID: 3222−11_2)**



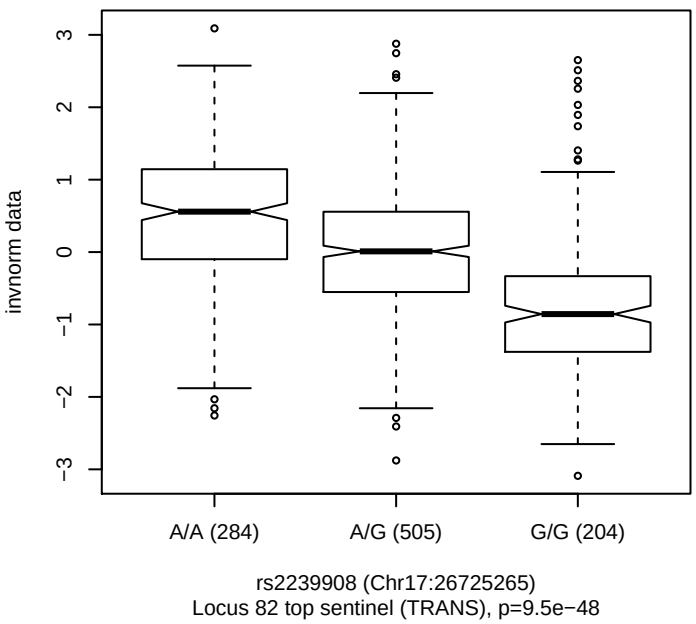

**Semaphorin 3A (Uniprot: Q14563, ProbeID: 3222−11_2)**



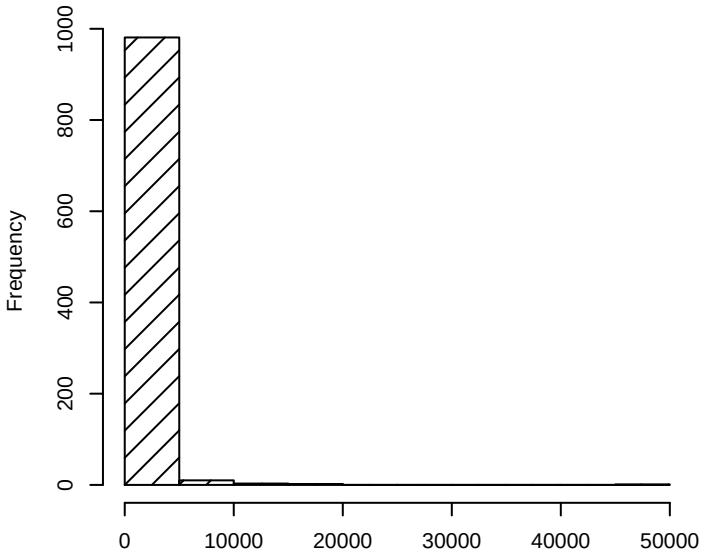

**Semaphorin 3A (Uniprot: Q14563, ProbeID: 3222−11_2)**




**Semaphorin 3A (Uniprot: Q14563, ProbeID: 3222−11_2)**

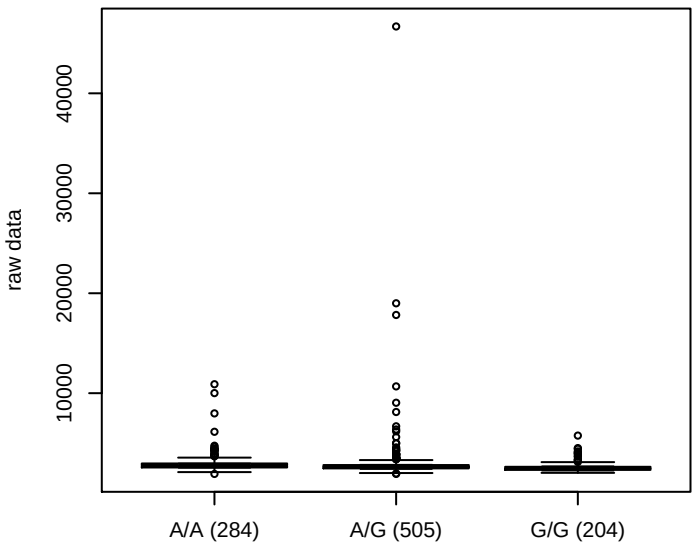


**CAMK1D (Uniprot: Q8IU85, ProbeID: 3418−12_2)**



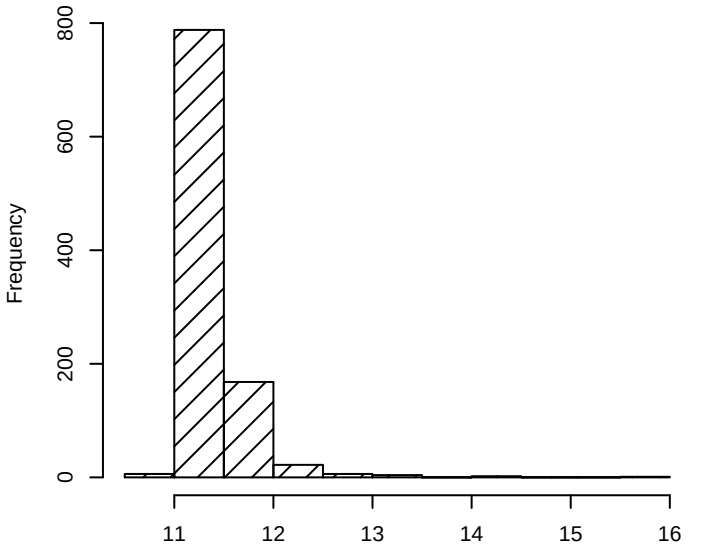

Calcium/calmodulin−dependent protein kinase type 1D

**CAMK1D (Uniprot: Q8IU85, ProbeID: 3418−12_2)**



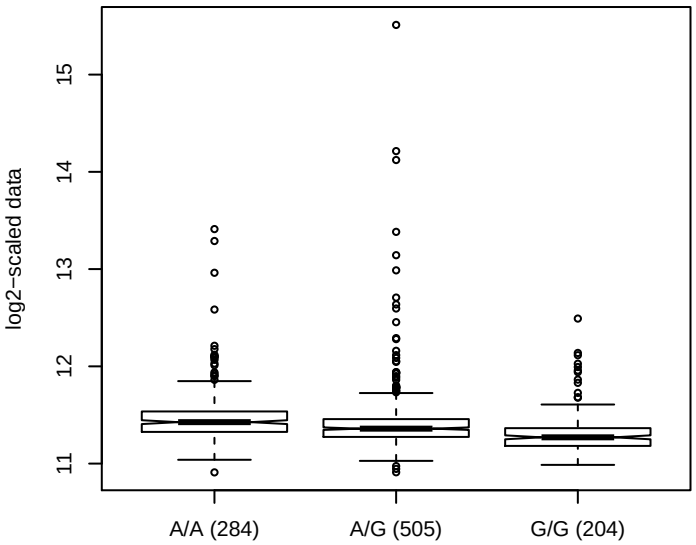

rs2239908 (Chr17:26725265)
Locus 82 sentinel (TRANS), p=0.041

**CAMK1D (Uniprot: Q8IU85, ProbeID: 3418−12_2)**



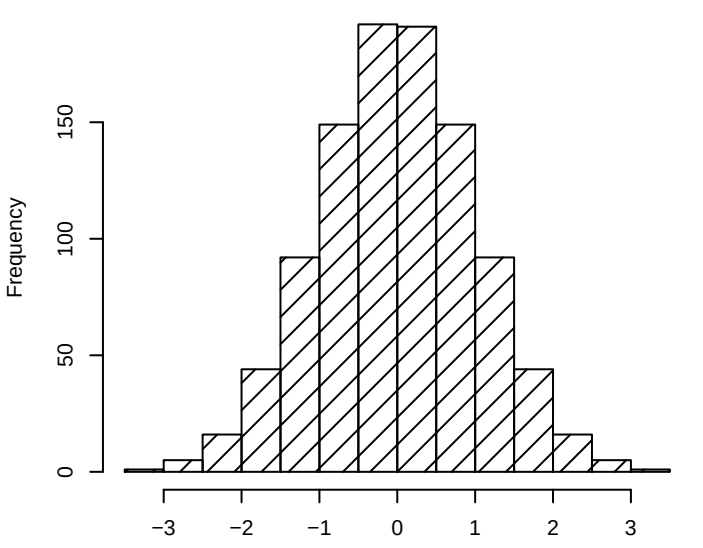

Calcium/calmodulin−dependent protein kinase type 1D

**CAMK1D (Uniprot: Q8IU85, ProbeID: 3418−12_2)**



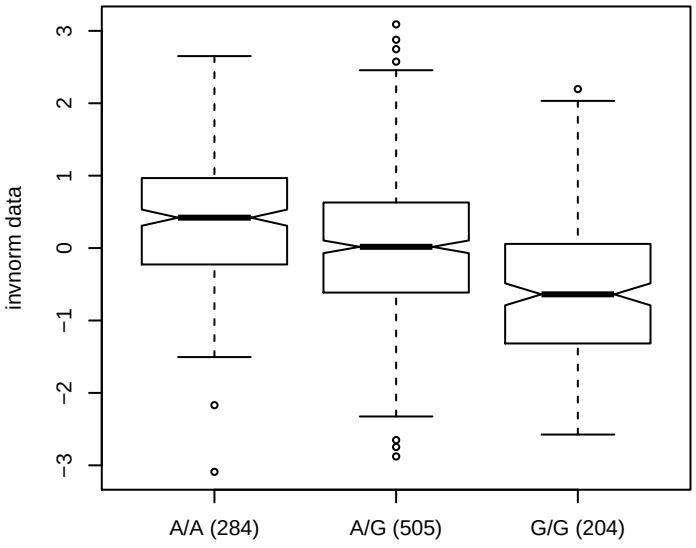

rs2239908 (Chr17:26725265)
Locus 82 sentinel (TRANS), p=1.2e−08, FC=−1.0577

**CAMK1D (Uniprot: Q8IU85, ProbeID: 3418−12_2)**

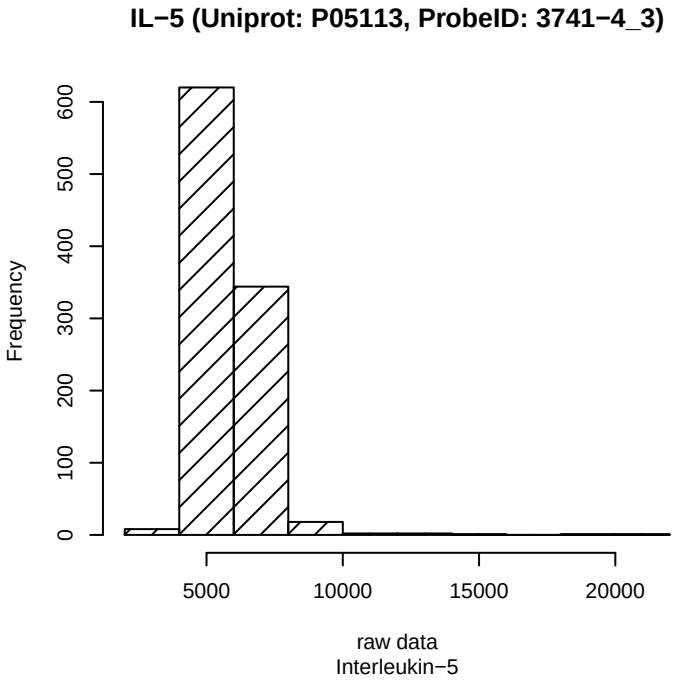


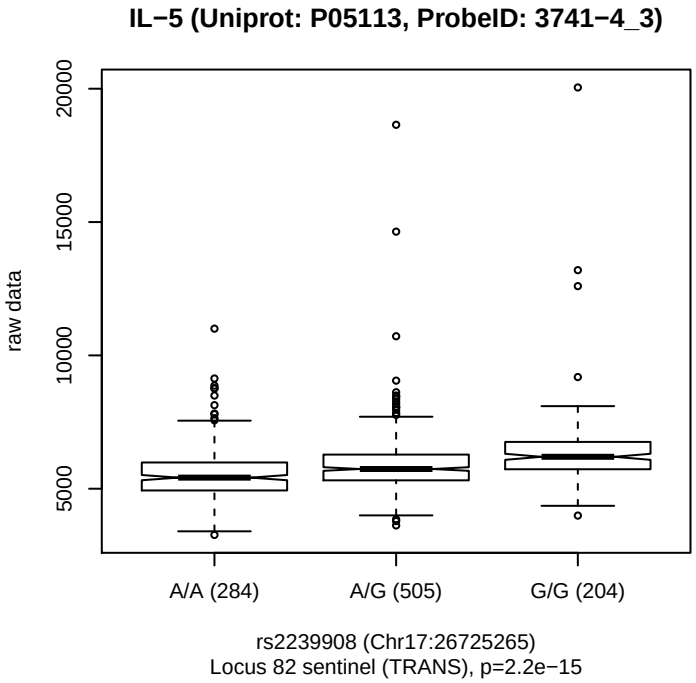

Calcium/calmodulin−dependent protein kinase type 1D

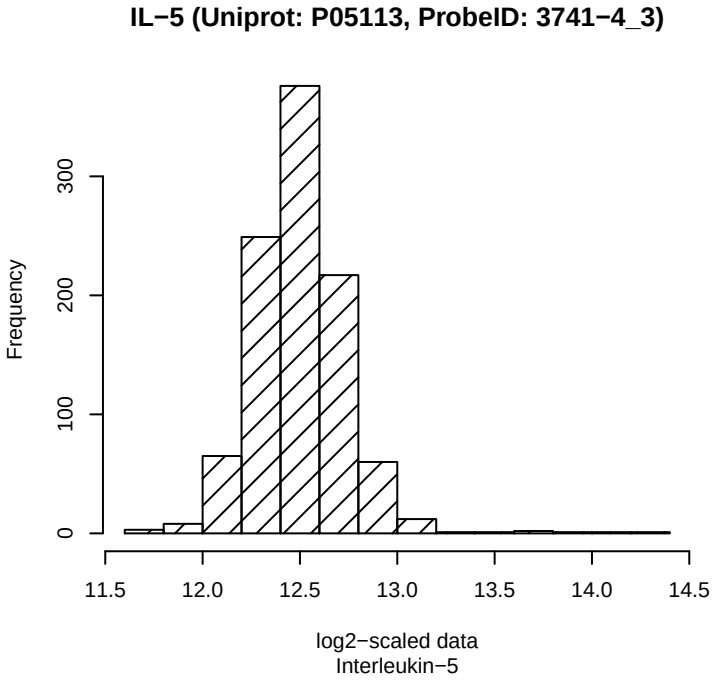
**CAMK1D (Uniprot: Q8IU85, ProbeID: 3418−12_2)**

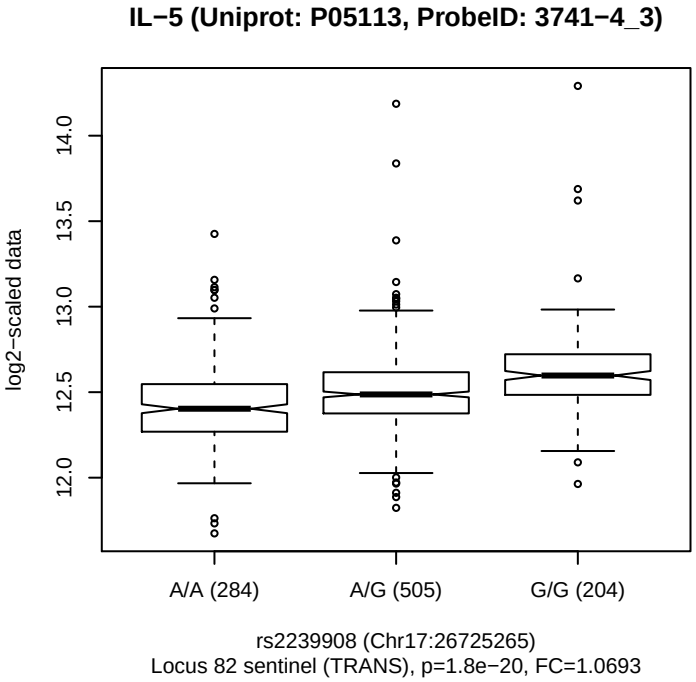


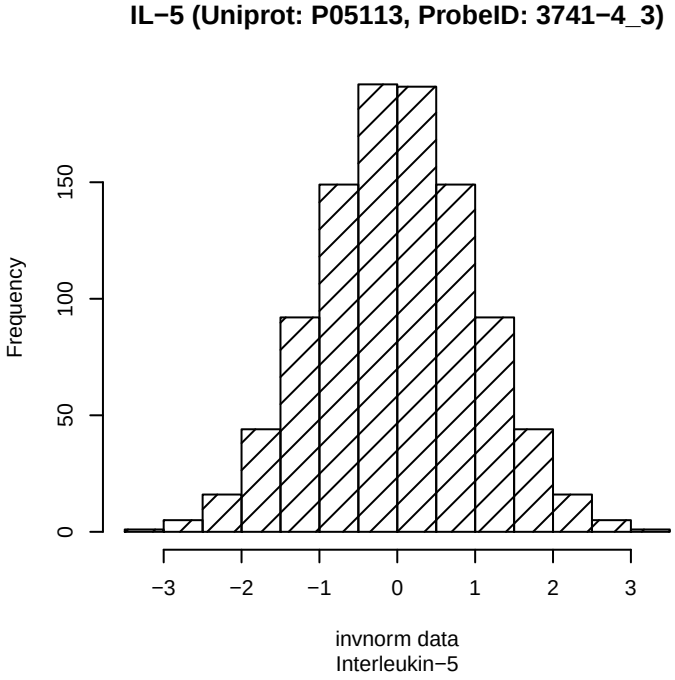

rs2239908 (Chr17:26725265)
Locus 82 sentinel (TRANS), p=3e−24

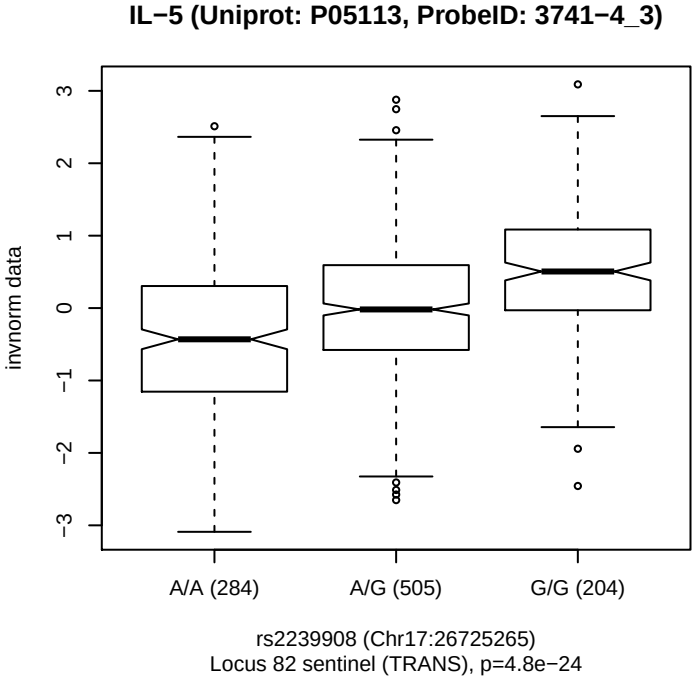

IL−5 (Uniprot: P05113, ProbeID: 3741−4_3)
Frequency
0
100
200
300
400
500
600
5000
10000
15000
20000
raw data
Interleukin−5

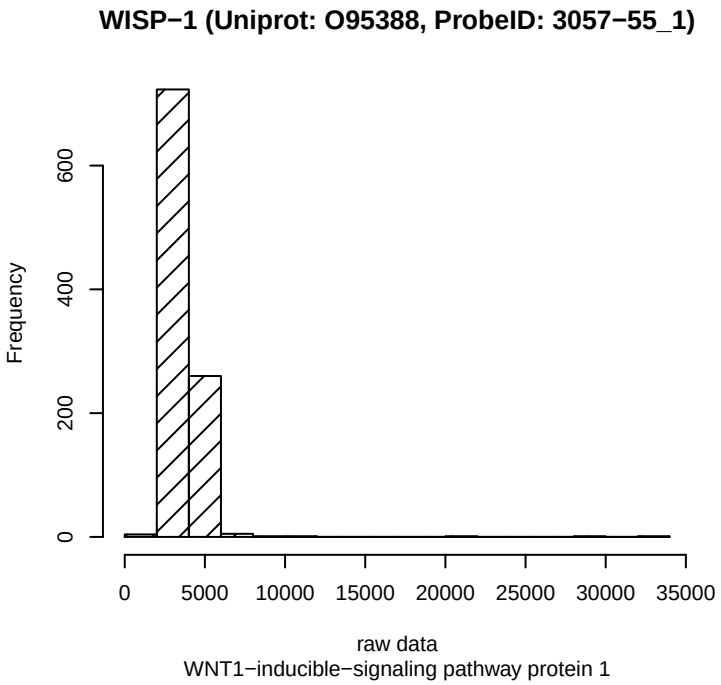

IL−5 (Uniprot: P05113, ProbeID: 3741−4_3)
raw data
5000
10000
15000
20000
A/A (284)
A/G (505)
G/G (204)
rs2239908 (Chr17:26725265)
Locus 82 sentinel (TRANS), p=2.2e−15

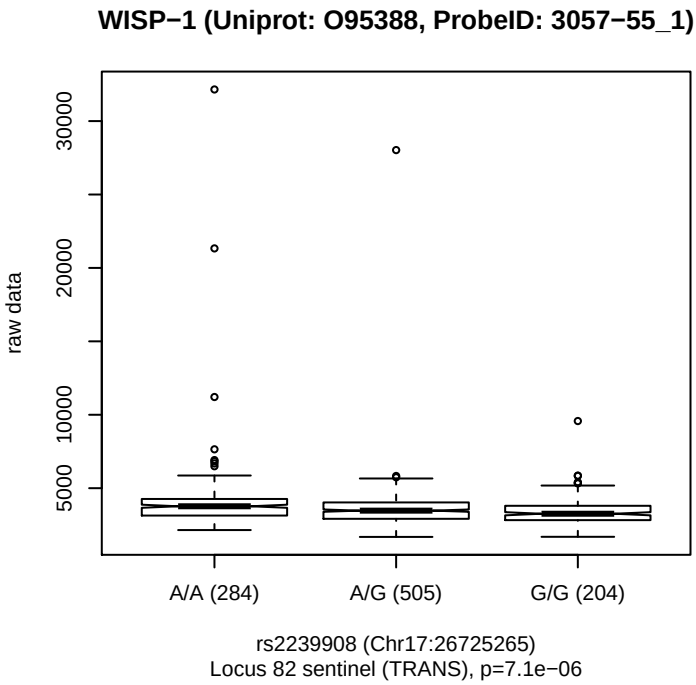

IL−5 (Uniprot: P05113, ProbeID: 3741−4_3)
Frequency
0
100
200
300
11.5
12.0
12.5
13.0
13.5
14.0
14.5
log2−scaled data
Interleukin−5

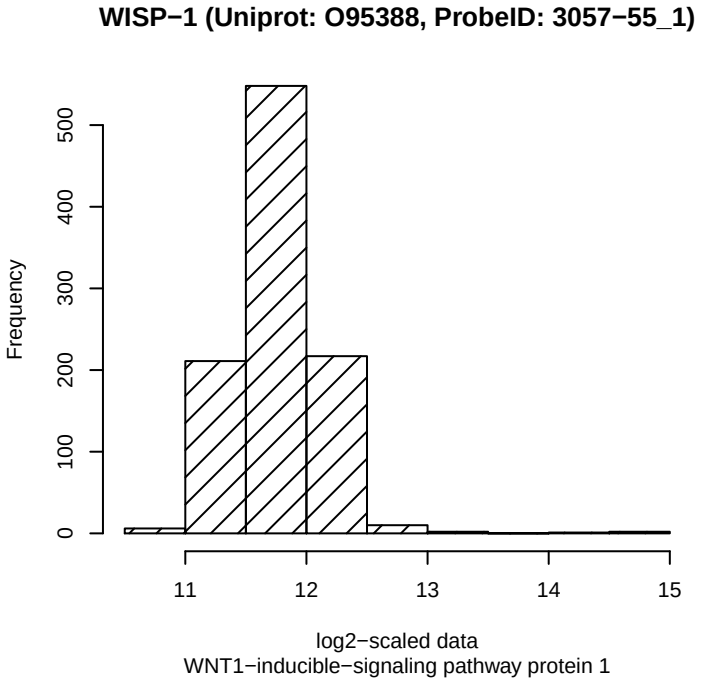

IL−5 (Uniprot: P05113, ProbeID: 3741−4_3)
log2−scaled data
12.0
12.5
13.0
13.5
14.0
A/A (284)
A/G (505)
G/G (204)
rs2239908 (Chr17:26725265)
Locus 82 sentinel (TRANS), p=1.8e−20, FC=1.0693

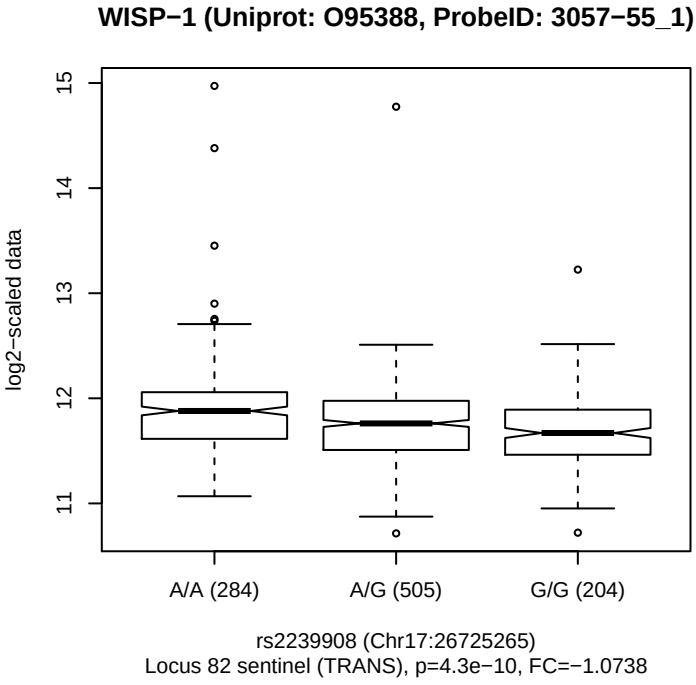

IL−5 (Uniprot: P05113, ProbeID: 3741−4_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−5

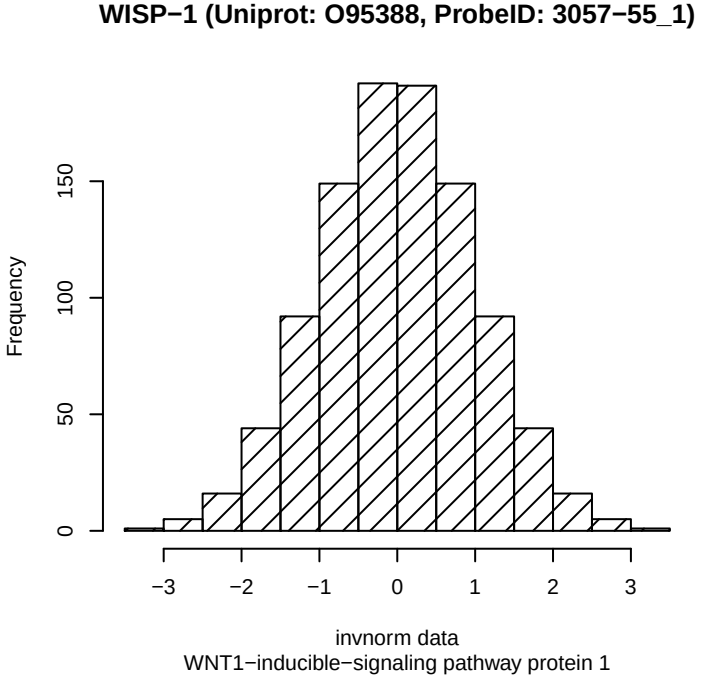

IL−5 (Uniprot: P05113, ProbeID: 3741−4_3)
invnorm data
−3
−2
−1
0
1
2
3
A/A (284)
A/G (505)
G/G (204)
rs2239908 (Chr17:26725265)
Locus 82 sentinel (TRANS), p=4.8e−24

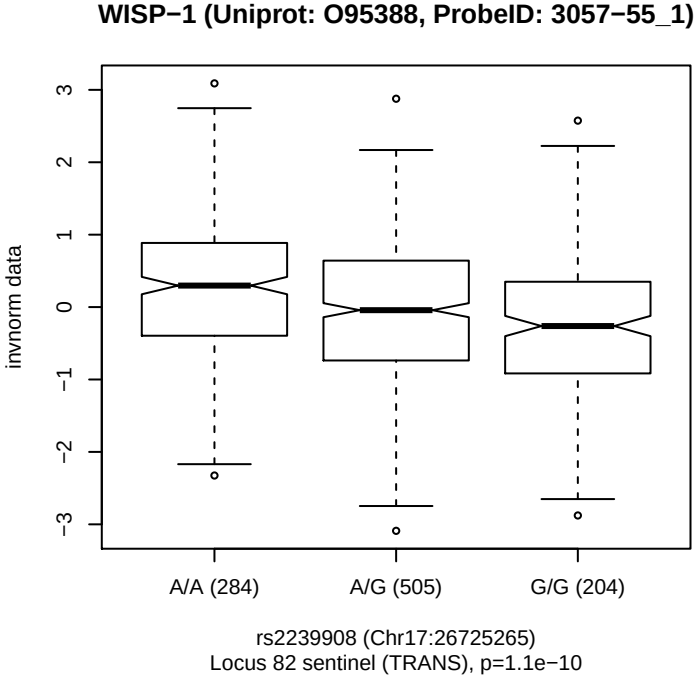

WISP−1 (Uniprot: O95388, ProbeID: 3057−55_1)
Frequency
0
200
400
600
0
5000
10000
15000
20000
25000
30000
35000
raw data
WNT1−inducible−signaling pathway protein 1


WISP−1 (Uniprot: O95388, ProbeID: 3057−55_1)
raw data
5000
10000
20000
30000
A/A (284)
A/G (505)
G/G (204)
rs2239908 (Chr17:26725265)
Locus 82 sentinel (TRANS), p=7.1e−06

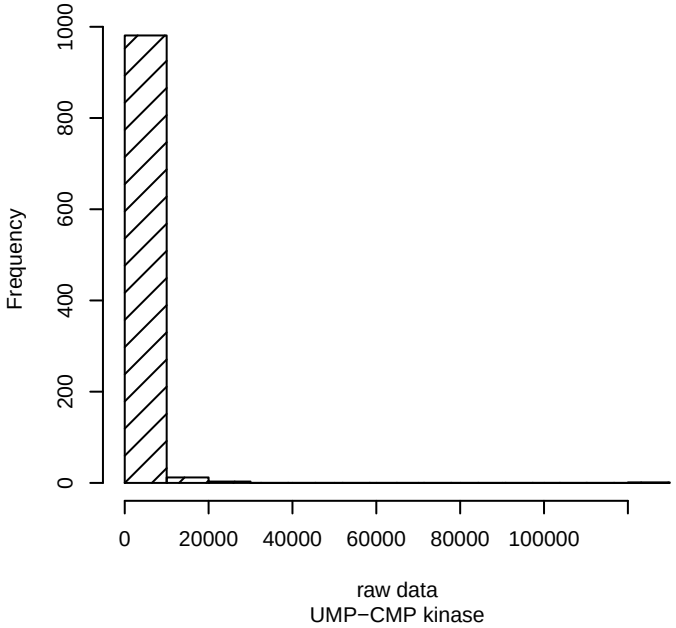

WISP−1 (Uniprot: O95388, ProbeID: 3057−55_1)
Frequency
0
100
200
300
400
500
11
12
13
14
15
log2−scaled data
WNT1−inducible−signaling pathway protein 1


WISP−1 (Uniprot: O95388, ProbeID: 3057−55_1)
log2−scaled data
11
12
13
14
15
A/A (284)
A/G (505)
G/G (204)
rs2239908 (Chr17:26725265)
Locus 82 sentinel (TRANS), p=4.3e−10, FC=−1.0738

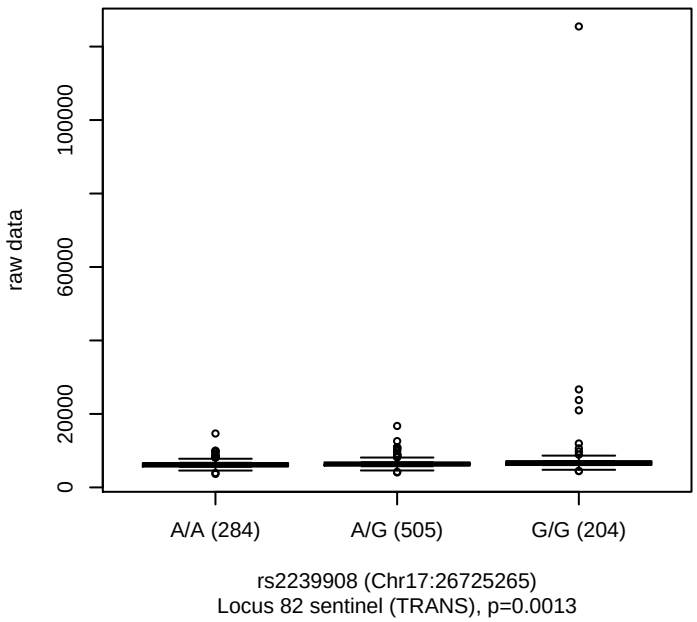

WISP−1 (Uniprot: O95388, ProbeID: 3057−55_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
WNT1−inducible−signaling pathway protein 1


WISP−1 (Uniprot: O95388, ProbeID: 3057−55_1)
invnorm data
−3
−2
−1
0
1
2
3
A/A (284)
A/G (505)
G/G (204)
rs2239908 (Chr17:26725265)
Locus 82 sentinel (TRANS), p=1.1e−10

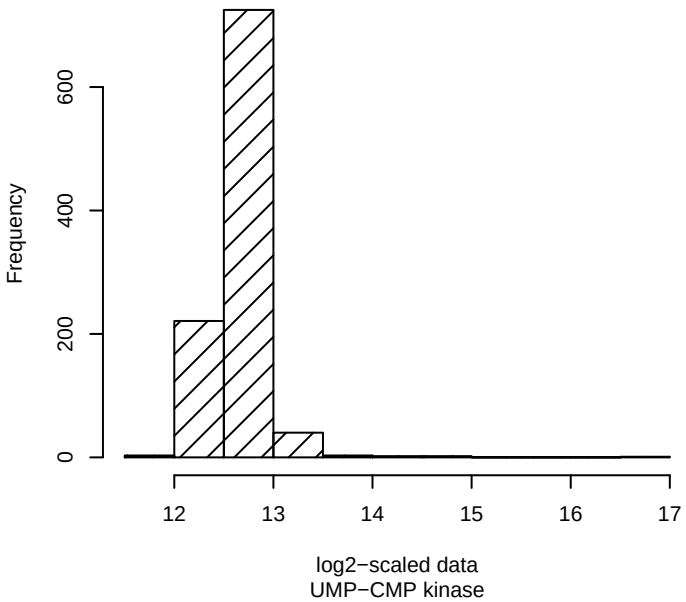
**Cytidylate kinase (Uniprot: P30085, ProbeID: 4786−58_3**



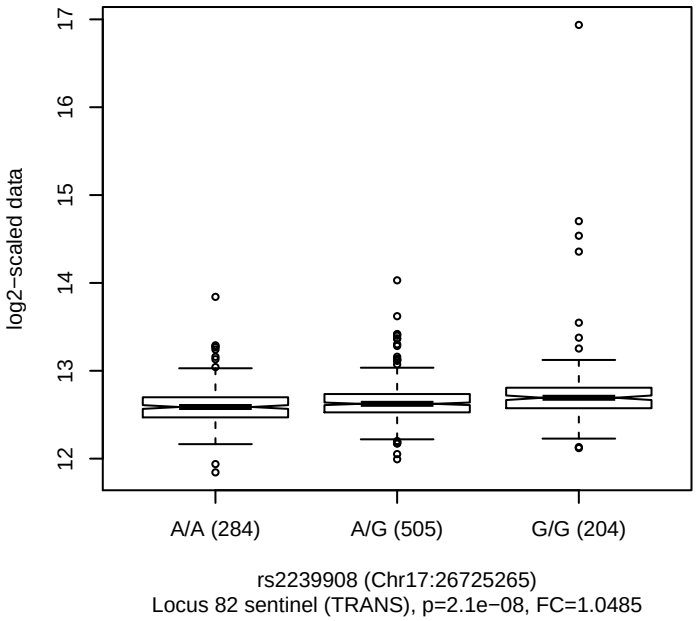

**Cytidylate kinase (Uniprot: P30085, ProbeID: 4786−58_3**



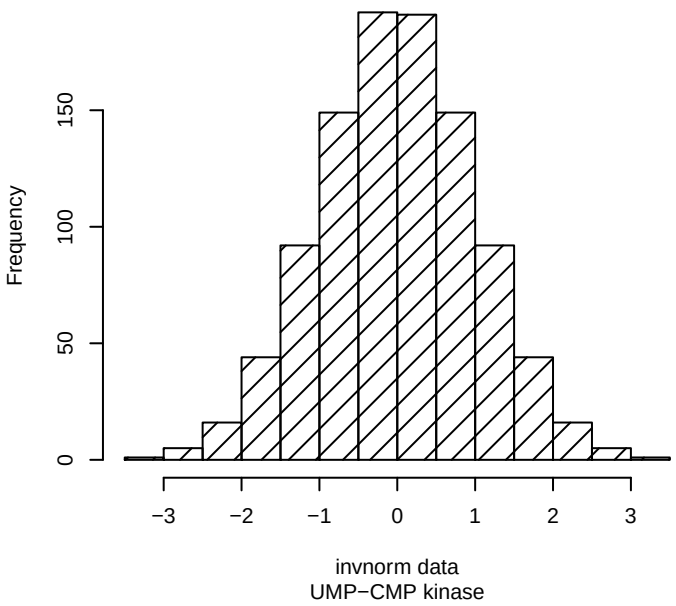

**Cytidylate kinase (Uniprot: P30085, ProbeID: 4786−58_3**



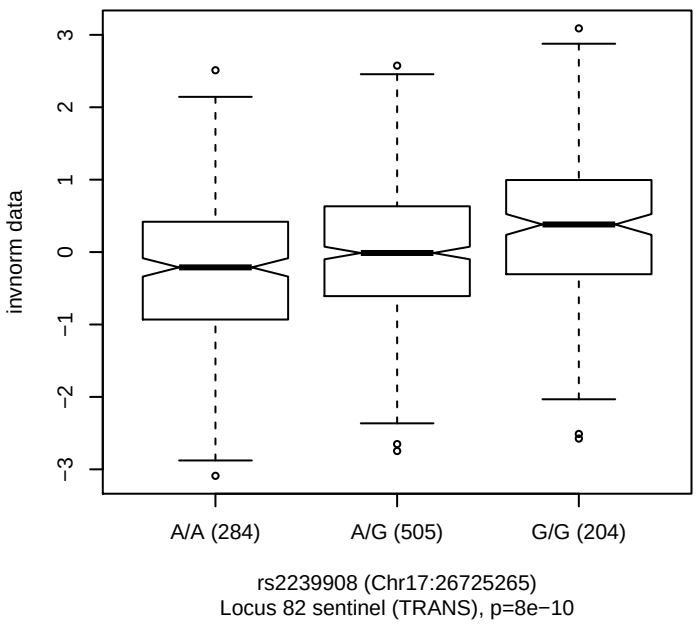

**Cytidylate kinase (Uniprot: P30085, ProbeID: 4786−58_3**

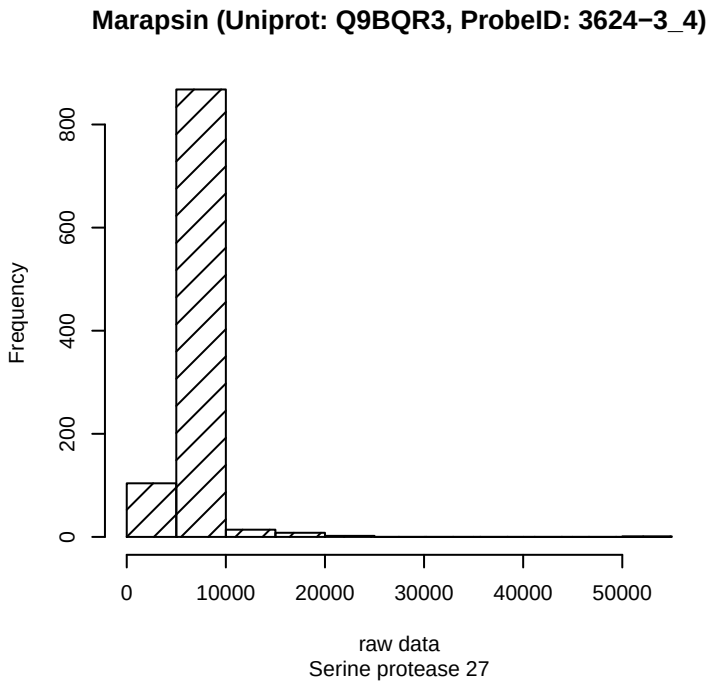


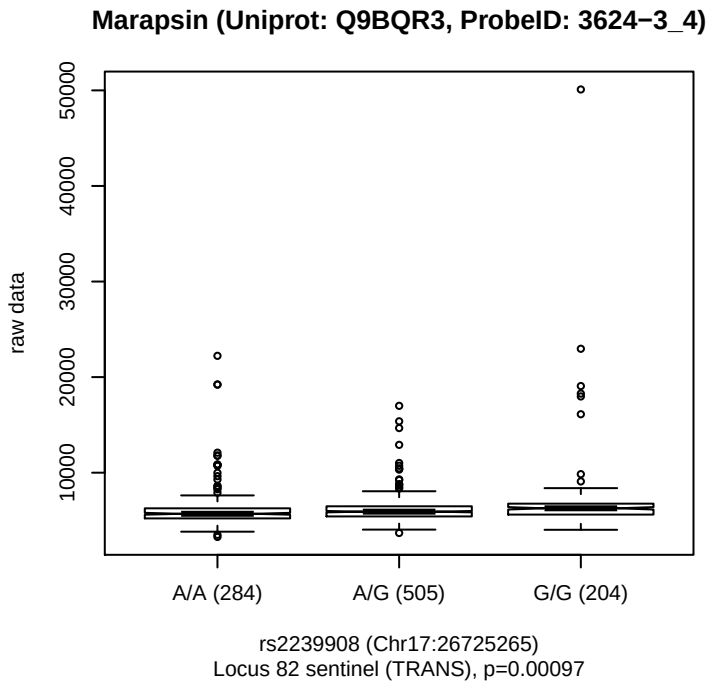

**Cytidylate kinase (Uniprot: P30085, ProbeID: 4786−58_3**

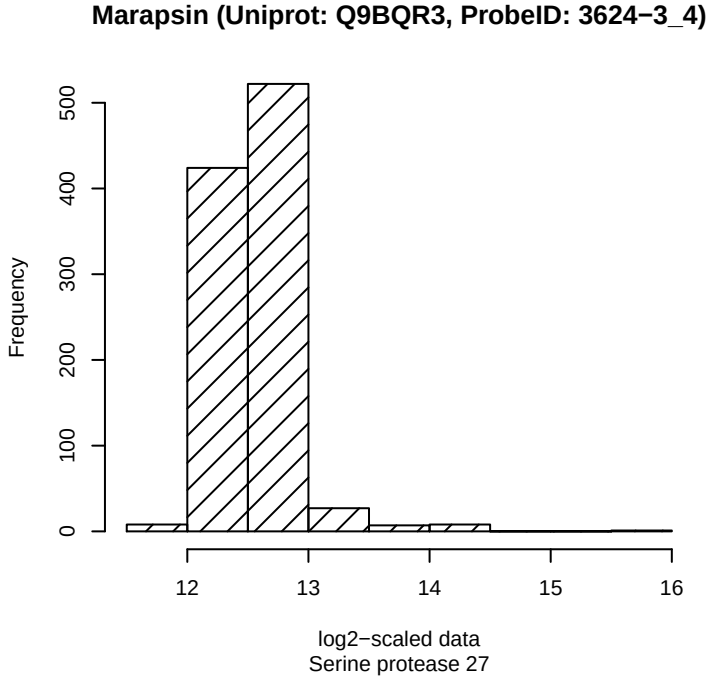


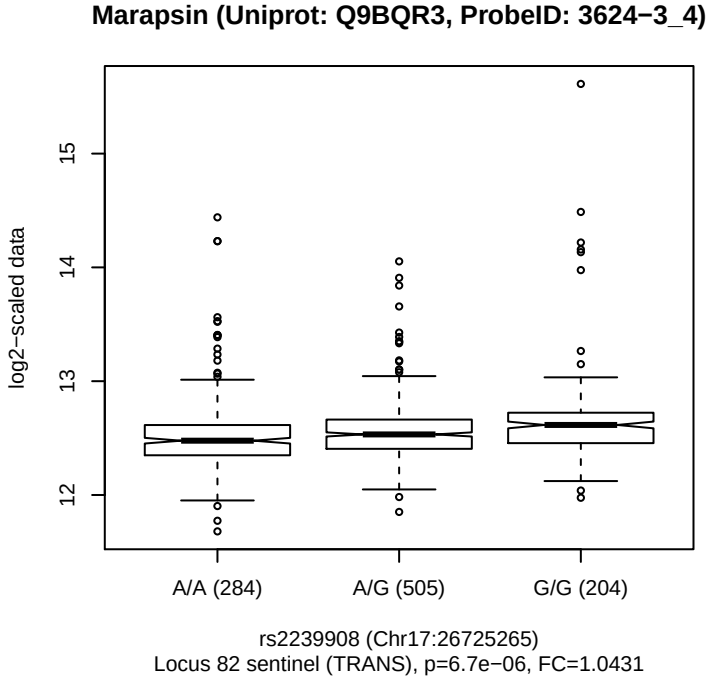

**Cytidylate kinase (Uniprot: P30085, ProbeID: 4786−58_3**

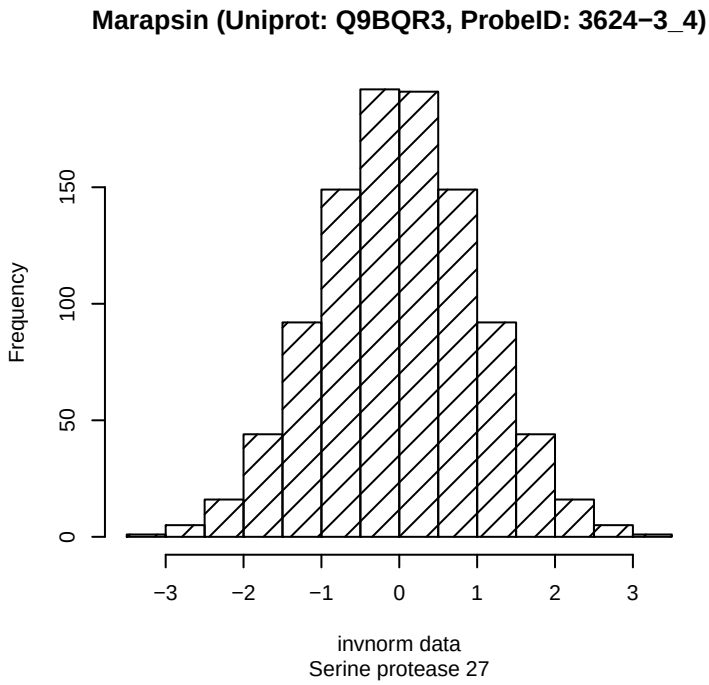


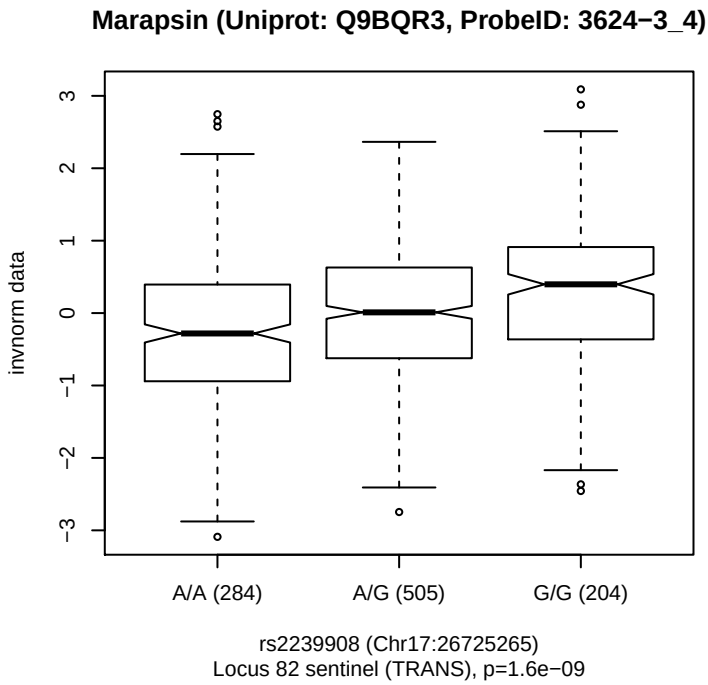

Marapsin (Uniprot: Q9BQR3, ProbeID: 3624−3_4)
Frequency
0
200
400
600
800
0
10000
20000
30000
40000
50000
raw data
Serine protease 27

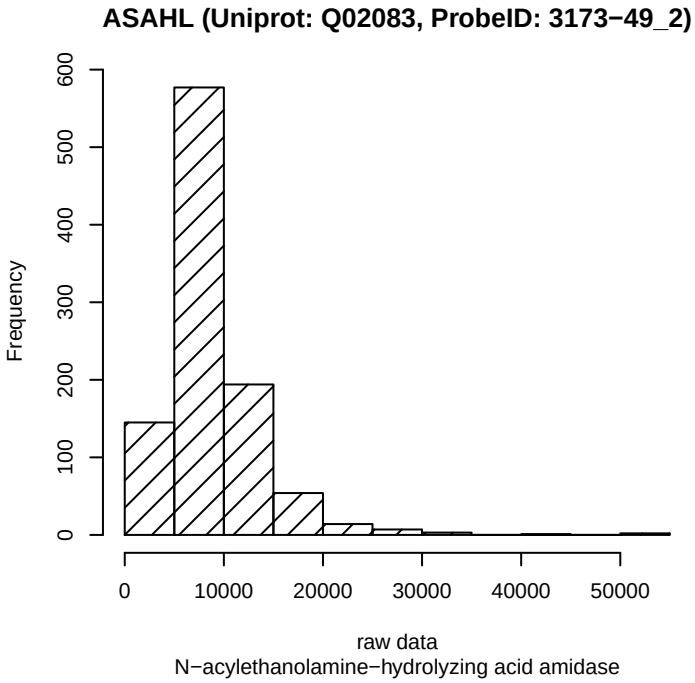

Marapsin (Uniprot: Q9BQR3, ProbeID: 3624−3_4)
raw data
10000
20000
30000
40000
50000
A/A (284)
A/G (505)
G/G (204)
rs2239908 (Chr17:26725265)
Locus 82 sentinel (TRANS), p=0.00097

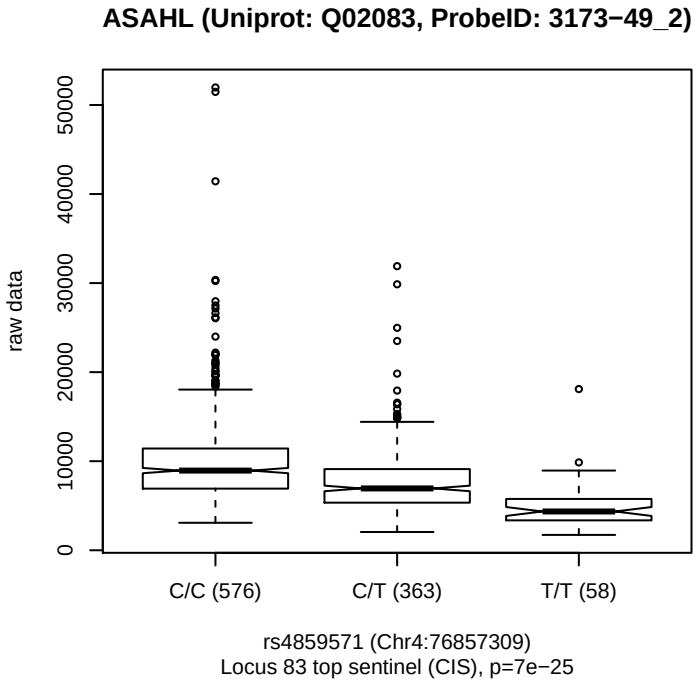

Marapsin (Uniprot: Q9BQR3, ProbeID: 3624−3_4)
Frequency
0
100
200
300
400
500
12
13
14
15
16
log2−scaled data
Serine protease 27

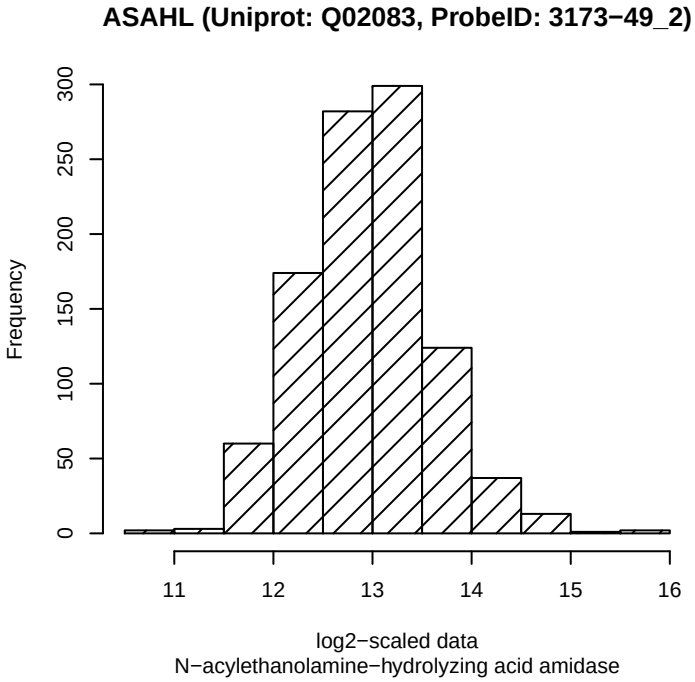

Marapsin (Uniprot: Q9BQR3, ProbeID: 3624−3_4)
log2−scaled data
12
13
14
15
A/A (284)
A/G (505)
G/G (204)
rs2239908 (Chr17:26725265)
Locus 82 sentinel (TRANS), p=6.7e−06, FC=1.0431

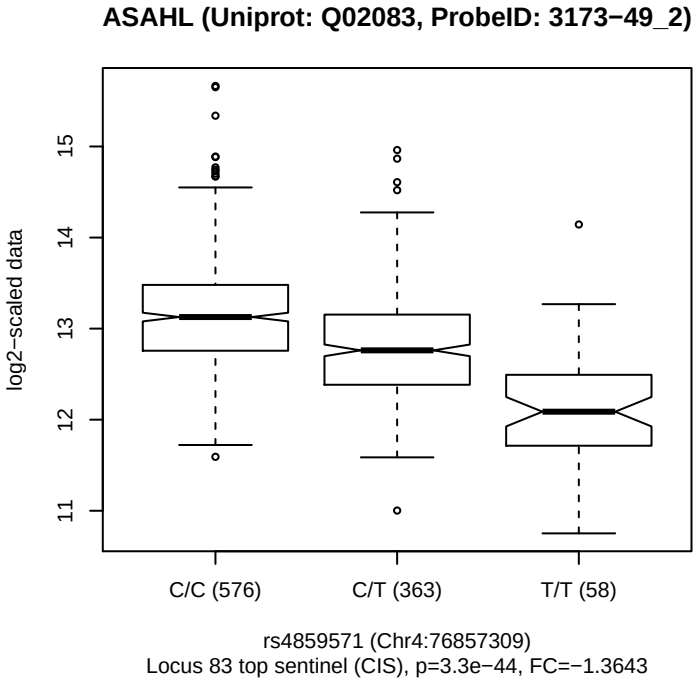

Marapsin (Uniprot: Q9BQR3, ProbeID: 3624−3_4)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Serine protease 27

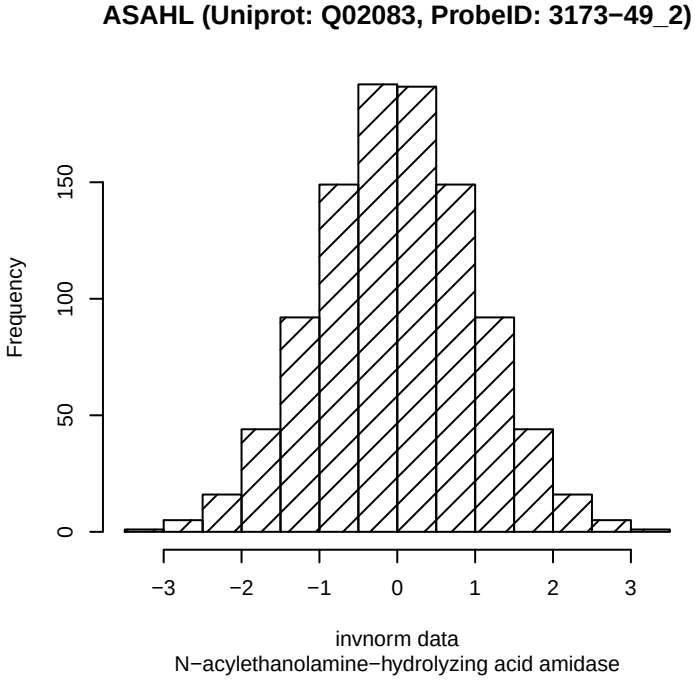

Marapsin (Uniprot: Q9BQR3, ProbeID: 3624−3_4)
invnorm data
−3
−2
−1
0
1
2
3
A/A (284)
A/G (505)
G/G (204)
rs2239908 (Chr17:26725265)
Locus 82 sentinel (TRANS), p=1.6e−09

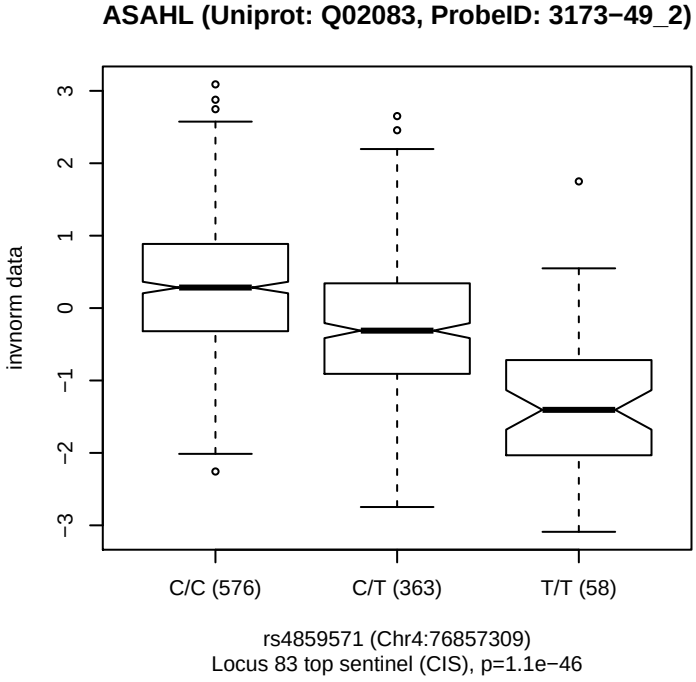

ASAHL (Uniprot: Q02083, ProbeID: 3173−49_2)
Frequency
0
100
200
300
400
500
600
0
10000
20000
30000
40000
50000
raw data
N−acylethanolamine−hydrolyzing acid amidase

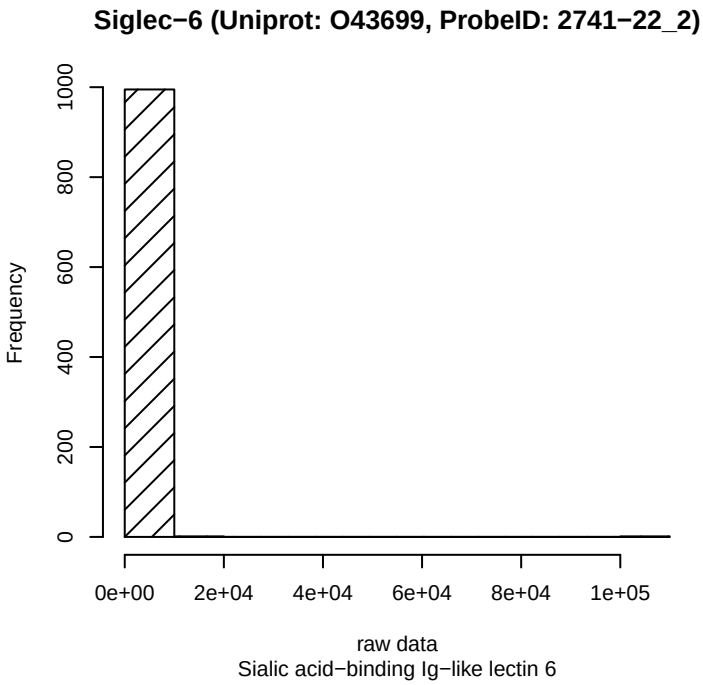

ASAHL (Uniprot: Q02083, ProbeID: 3173−49_2)
raw data
0
10000
20000
30000
40000
50000
C/C (576)
C/T (363)
T/T (58)
rs4859571 (Chr4:76857309)
Locus 83 top sentinel (CIS), p=7e−25

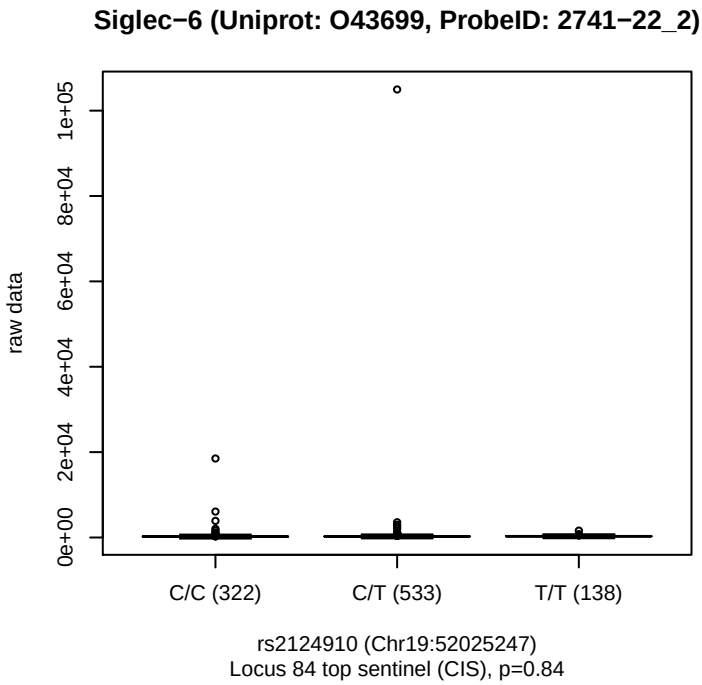

ASAHL (Uniprot: Q02083, ProbeID: 3173−49_2)
Frequency
0
50
100
150
200
250
300
11
12
13
14
15
16
log2−scaled data
N−acylethanolamine−hydrolyzing acid amidase

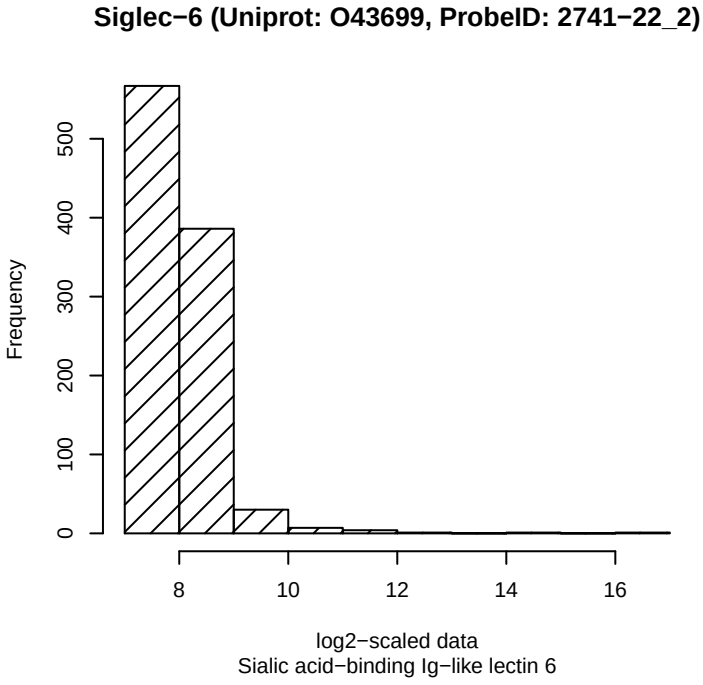

ASAHL (Uniprot: Q02083, ProbeID: 3173−49_2)
log2−scaled data
11
12
13
14
15
C/C (576)
C/T (363)
T/T (58)
rs4859571 (Chr4:76857309)
Locus 83 top sentinel (CIS), p=3.3e−44, FC=−1.3643

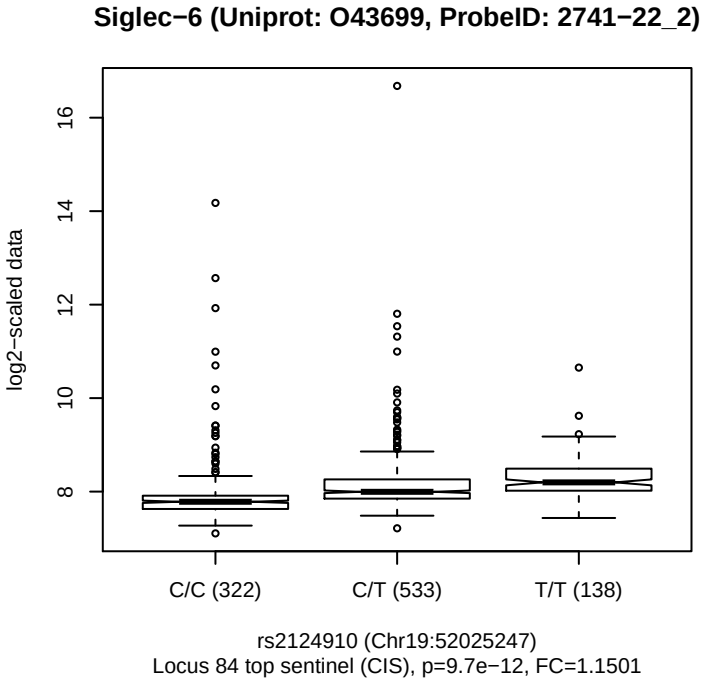

ASAHL (Uniprot: Q02083, ProbeID: 3173−49_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
N−acylethanolamine−hydrolyzing acid amidase

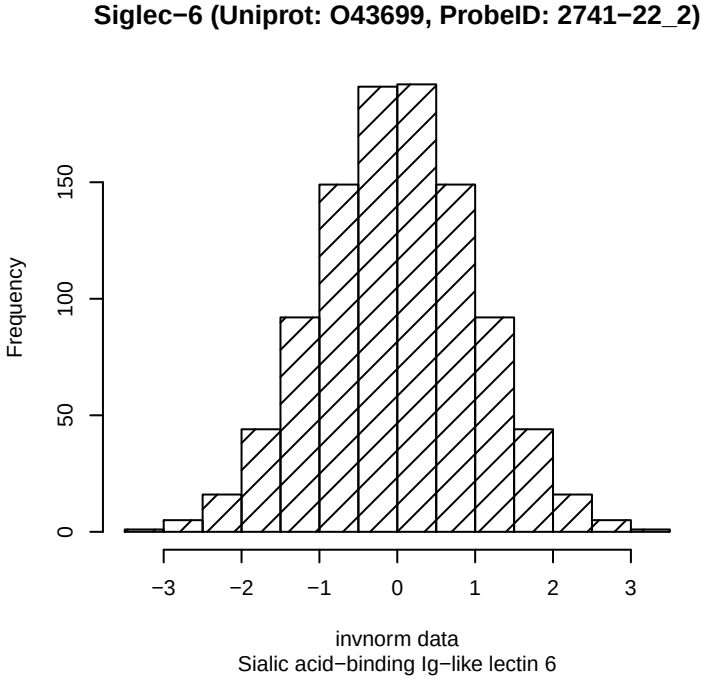

ASAHL (Uniprot: Q02083, ProbeID: 3173−49_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (576)
C/T (363)
T/T (58)
rs4859571 (Chr4:76857309)
Locus 83 top sentinel (CIS), p=1.1e−46

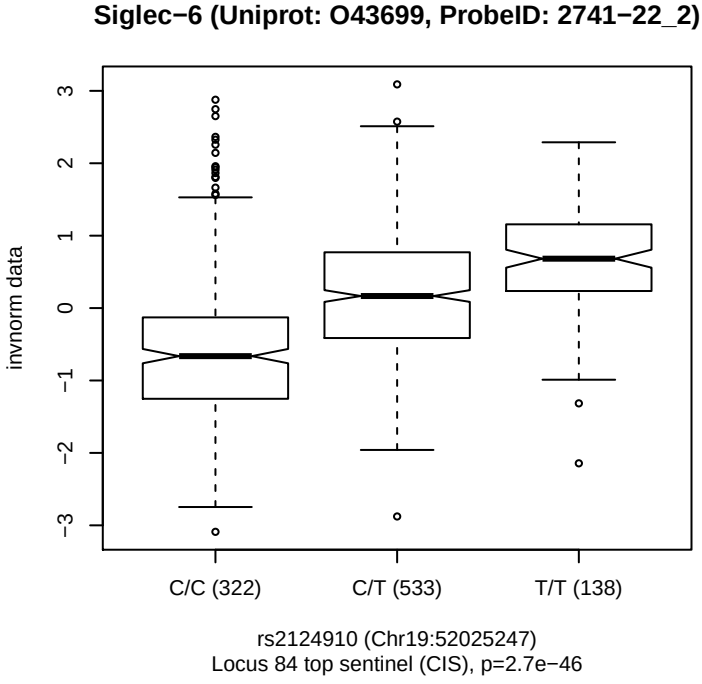

Siglec−6 (Uniprot: O43699, ProbeID: 2741−22_2)
Frequency
0
200
400
600
800
1000
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
raw data
Sialic acid−binding Ig−like lectin 6

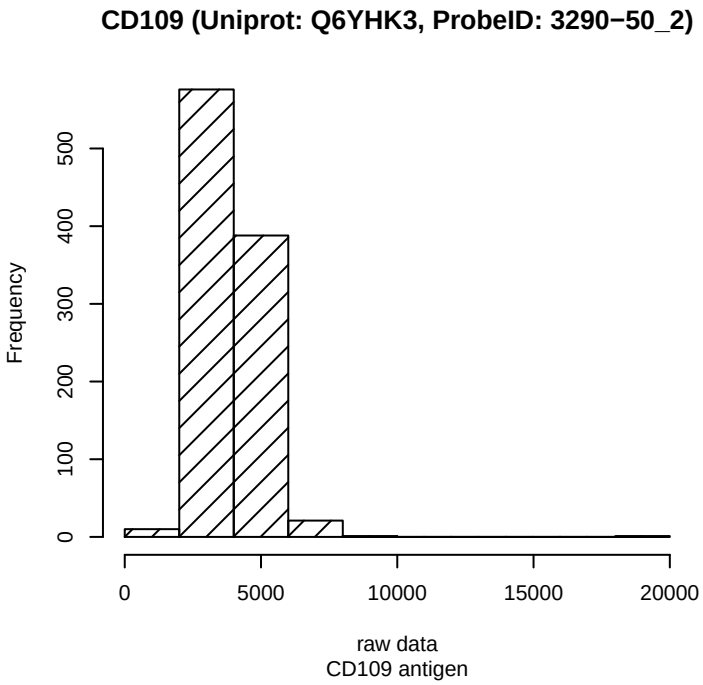

Siglec−6 (Uniprot: O43699, ProbeID: 2741−22_2)
raw data
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
C/C (322)
C/T (533)
T/T (138)
rs2124910 (Chr19:52025247)
Locus 84 top sentinel (CIS), p=0.84

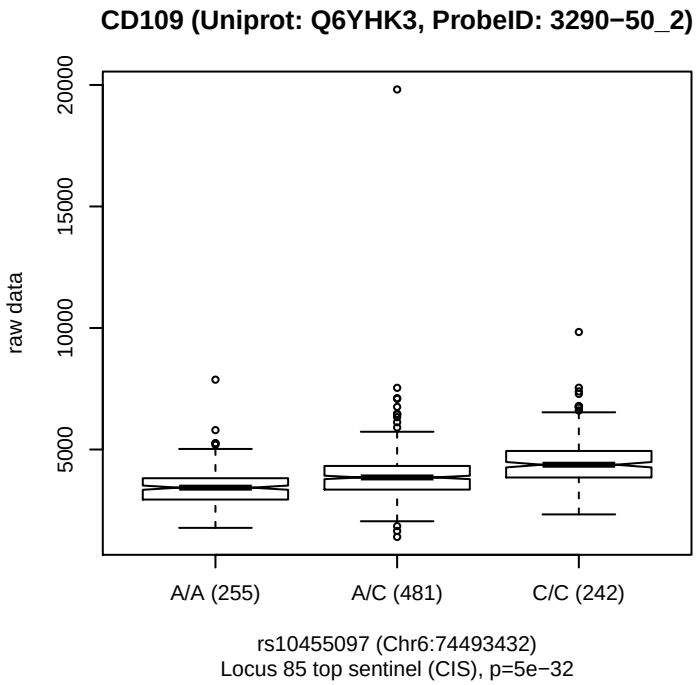

Siglec−6 (Uniprot: O43699, ProbeID: 2741−22_2)
Frequency
0
100
200
300
400
500
8
10
12
14
16
log2−scaled data
Sialic acid−binding Ig−like lectin 6

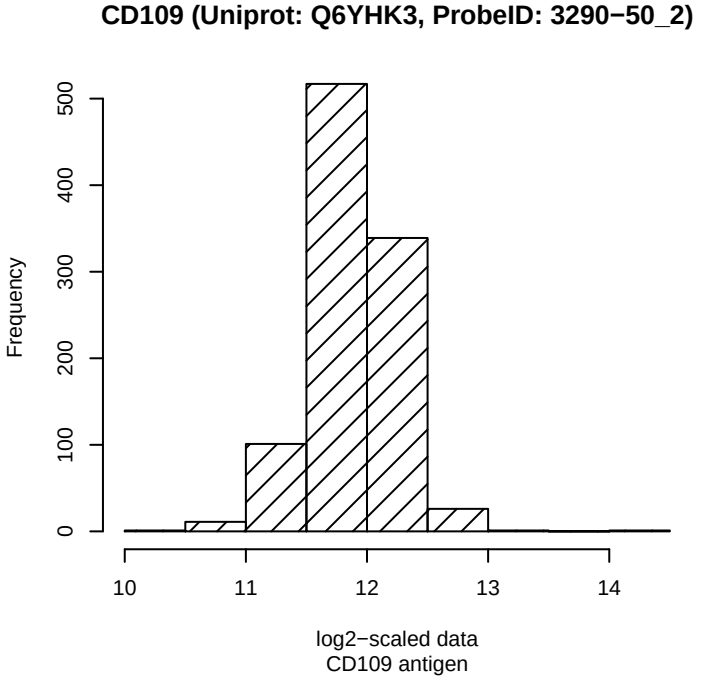

Siglec−6 (Uniprot: O43699, ProbeID: 2741−22_2)
log2−scaled data
8
10
12
14
16
C/C (322)
C/T (533)
T/T (138)
rs2124910 (Chr19:52025247)
Locus 84 top sentinel (CIS), p=9.7e−12, FC=1.1501

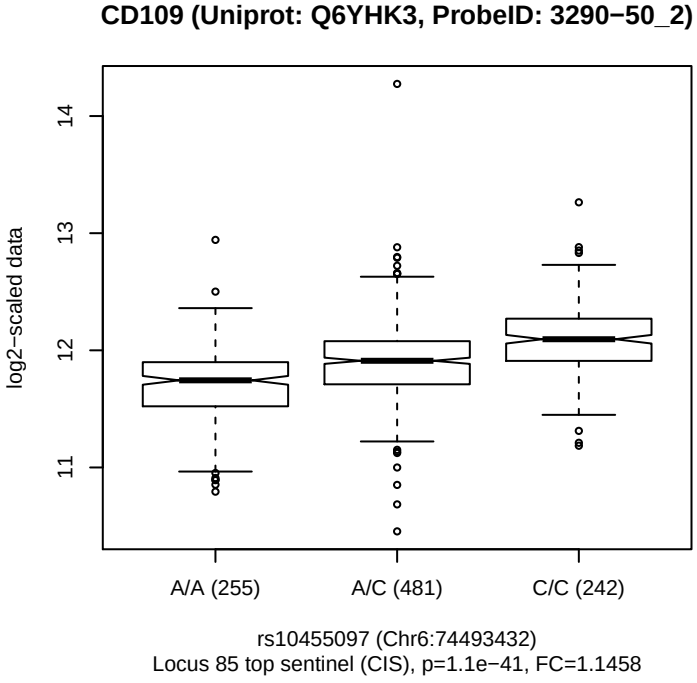

Siglec−6 (Uniprot: O43699, ProbeID: 2741−22_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Sialic acid−binding Ig−like lectin 6

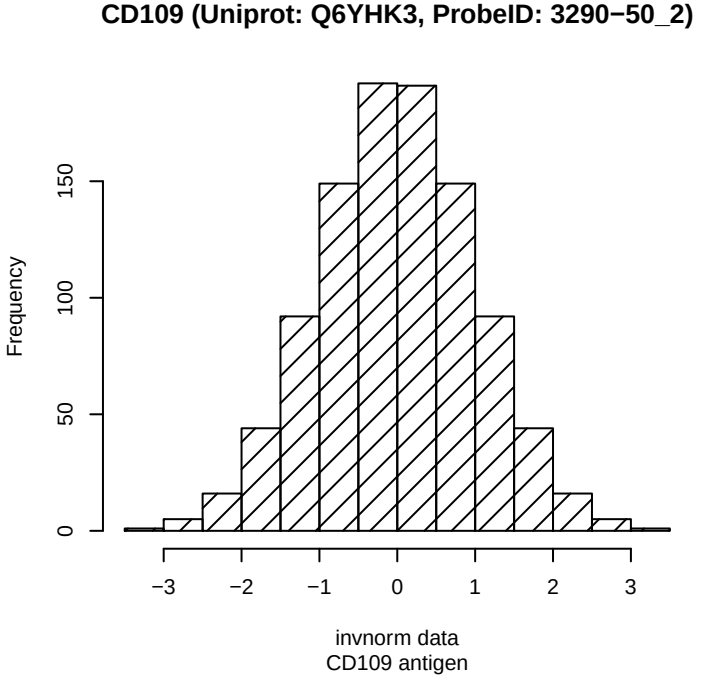

Siglec−6 (Uniprot: O43699, ProbeID: 2741−22_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (322)
C/T (533)
T/T (138)
rs2124910 (Chr19:52025247)
Locus 84 top sentinel (CIS), p=2.7e−46

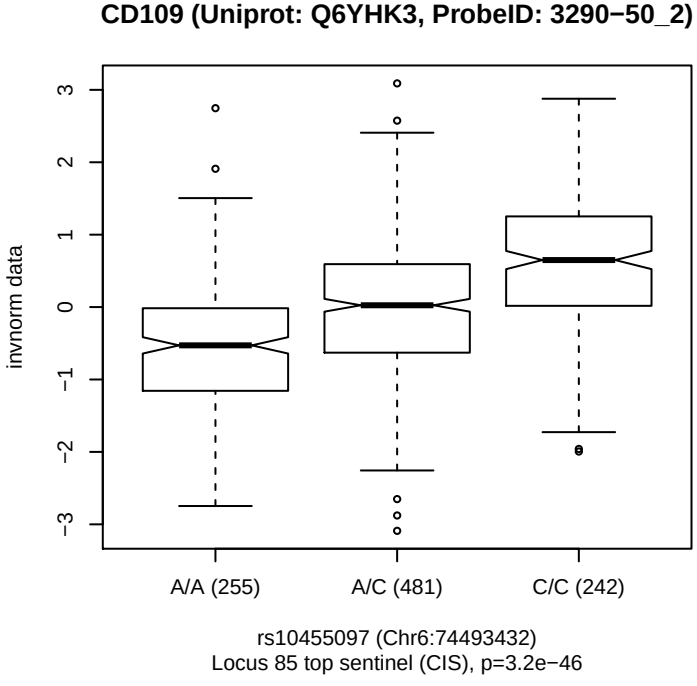

CD109 (Uniprot: Q6YHK3, ProbeID: 3290−50_2)
Frequency
0
100
200
300
400
500
0
5000
10000
15000
20000
raw data
CD109 antigen


CD109 (Uniprot: Q6YHK3, ProbeID: 3290−50_2)
raw data
5000
10000
15000
20000
A/A (255)
A/C (481)
C/C (242)
rs10455097 (Chr6:74493432)
Locus 85 top sentinel (CIS), p=5e−32

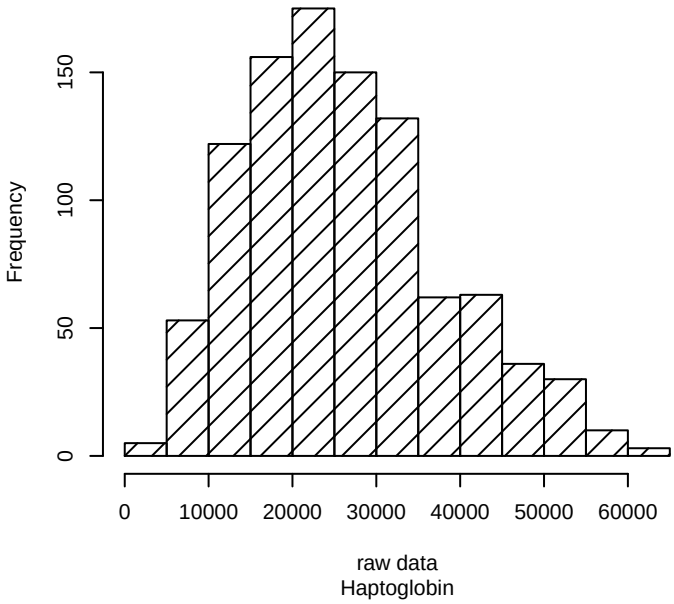

CD109 (Uniprot: Q6YHK3, ProbeID: 3290−50_2)
Frequency
0
100
200
300
400
500
10
11
12
13
14
log2−scaled data
CD109 antigen


CD109 (Uniprot: Q6YHK3, ProbeID: 3290−50_2)
log2−scaled data
11
12
13
14
A/A (255)
A/C (481)
C/C (242)
rs10455097 (Chr6:74493432)
Locus 85 top sentinel (CIS), p=1.1e−41, FC=1.1458

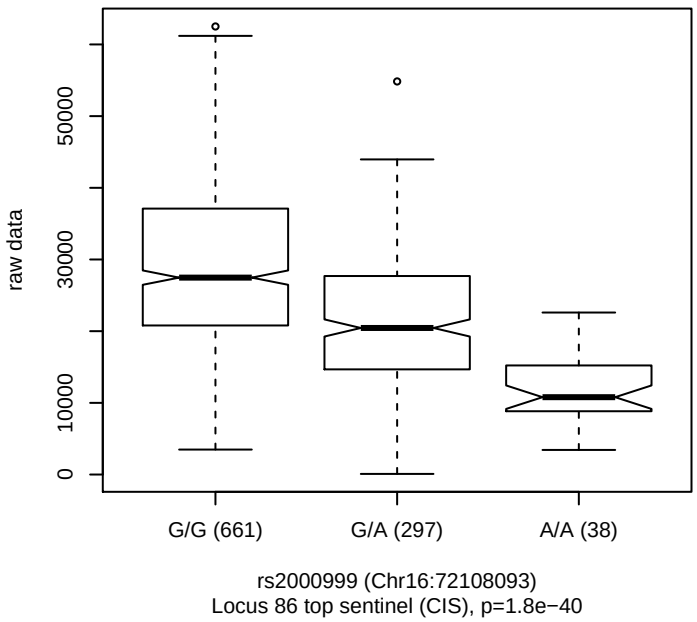

CD109 (Uniprot: Q6YHK3, ProbeID: 3290−50_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
CD109 antigen


CD109 (Uniprot: Q6YHK3, ProbeID: 3290−50_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (255)
A/C (481)
C/C (242)
rs10455097 (Chr6:74493432)
Locus 85 top sentinel (CIS), p=3.2e−46

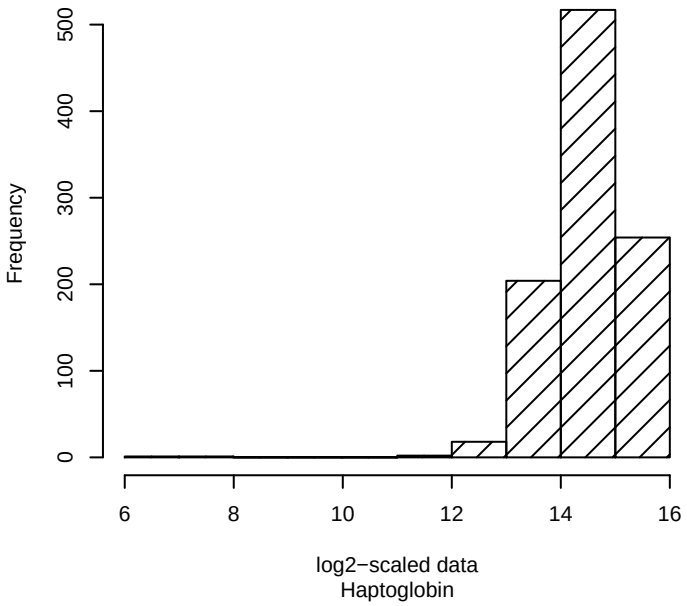
**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1**



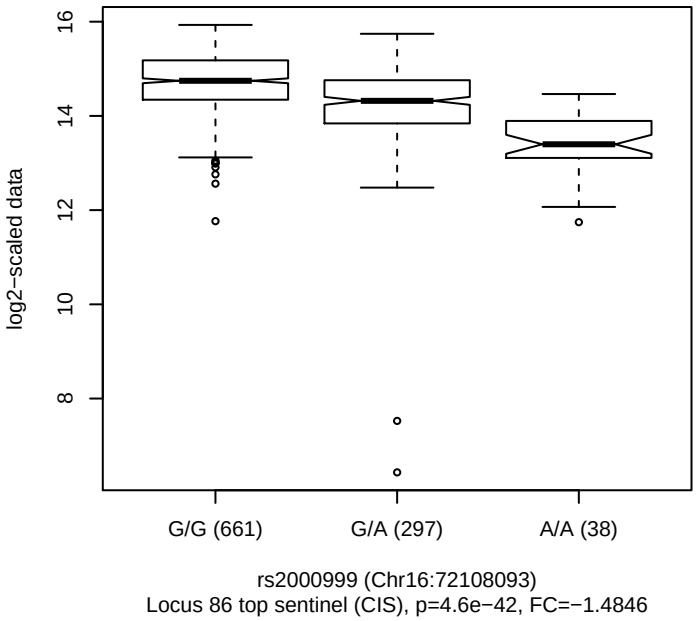

**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1**



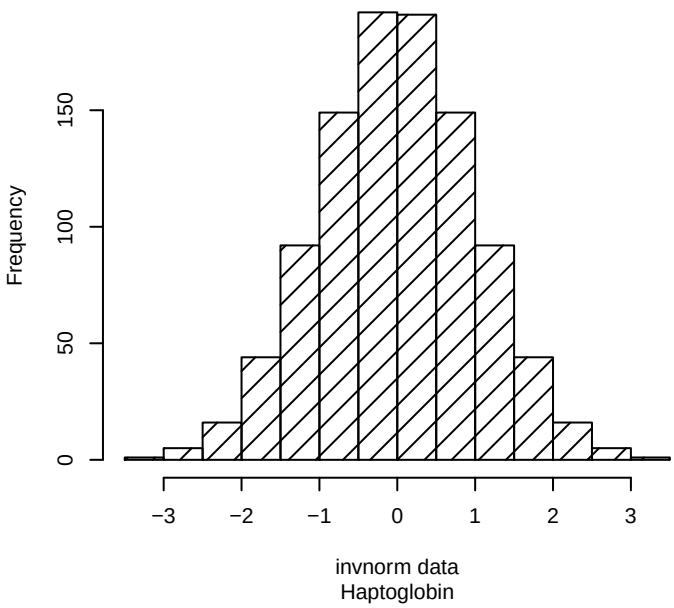

**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1**



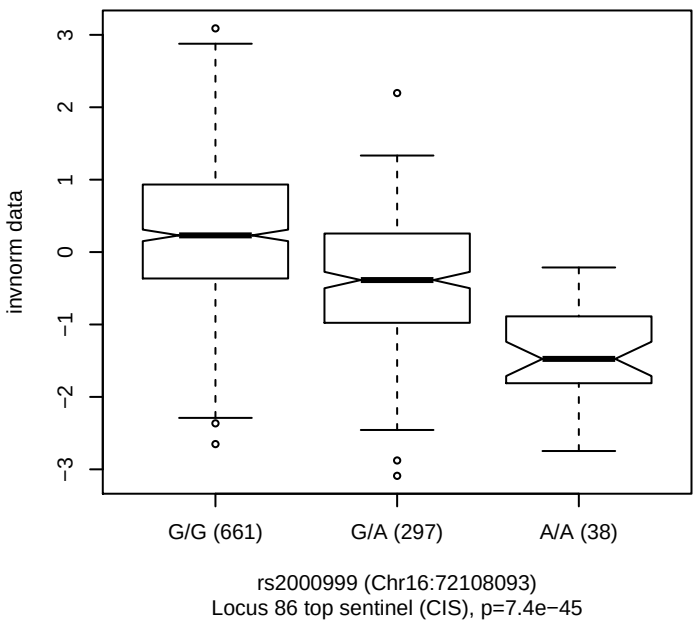

**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1**

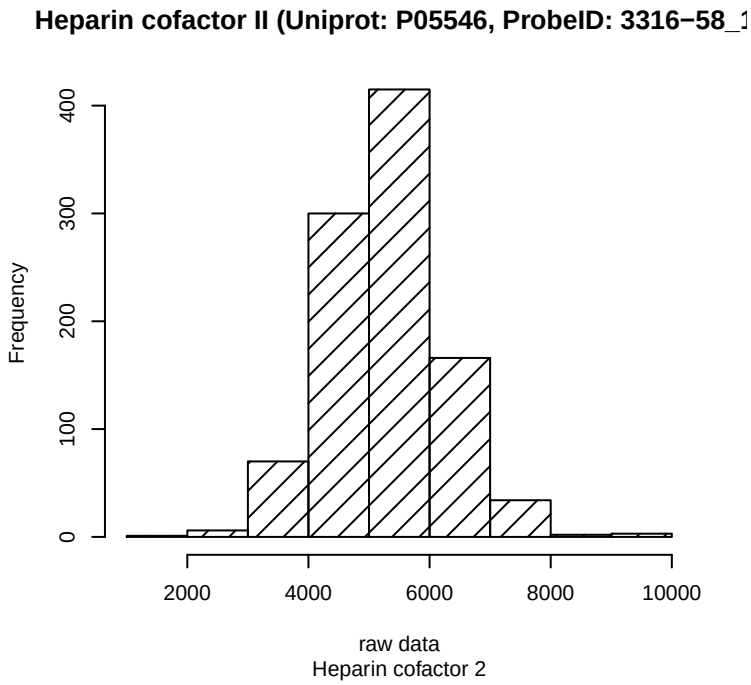


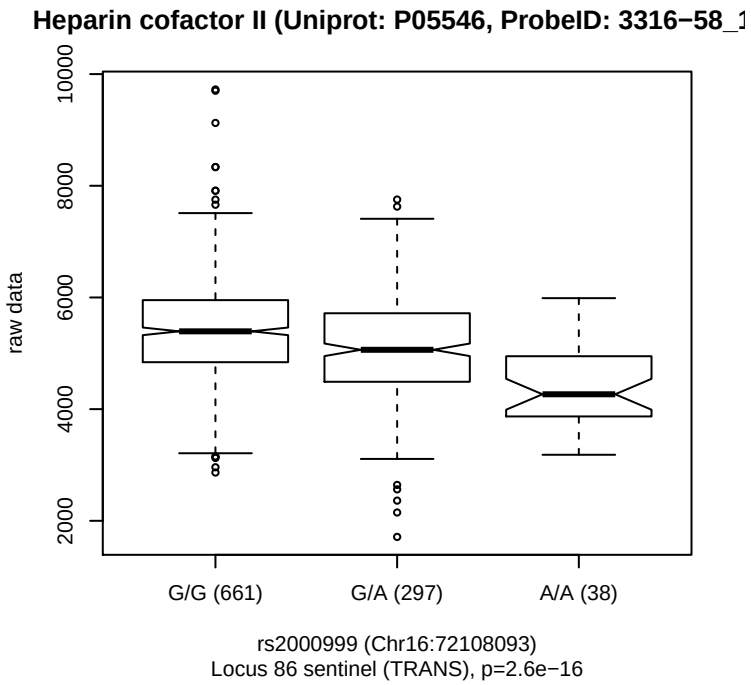

**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1**

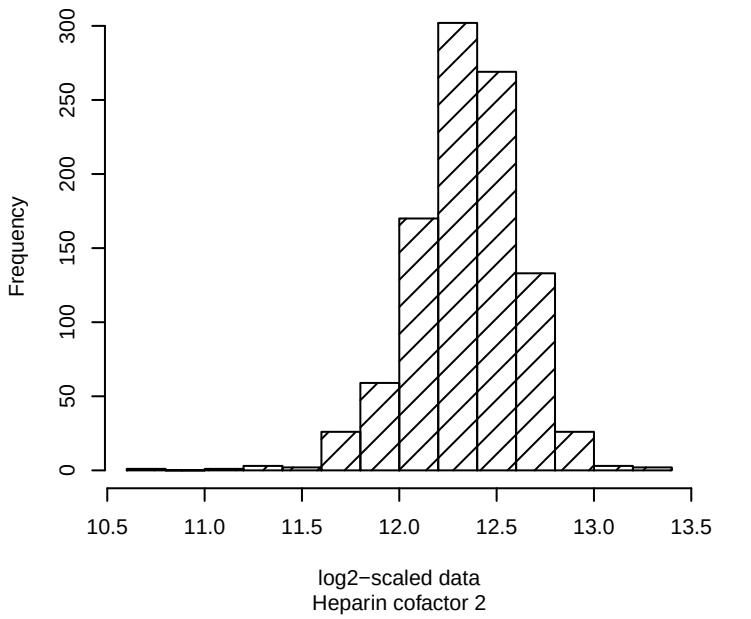


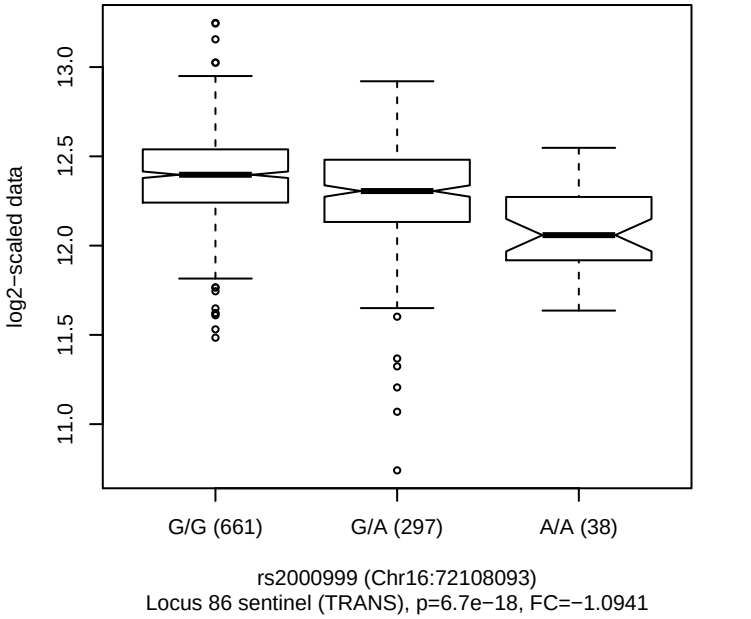

**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1**

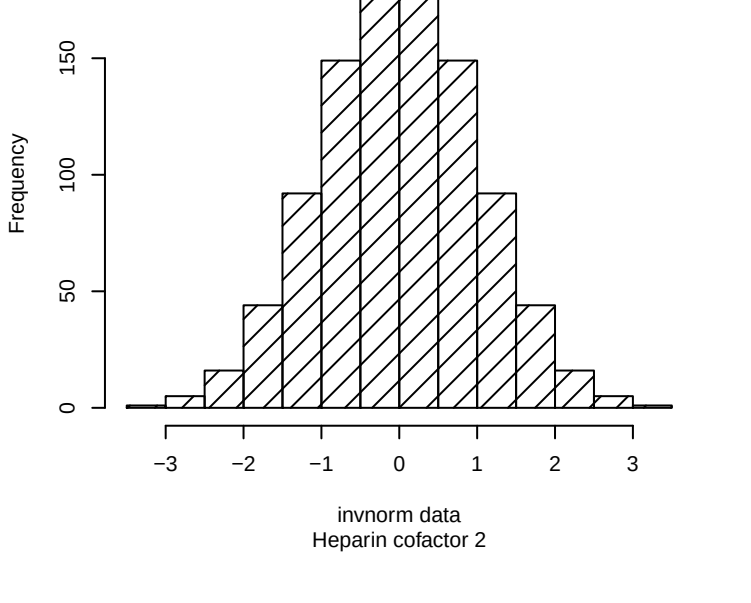


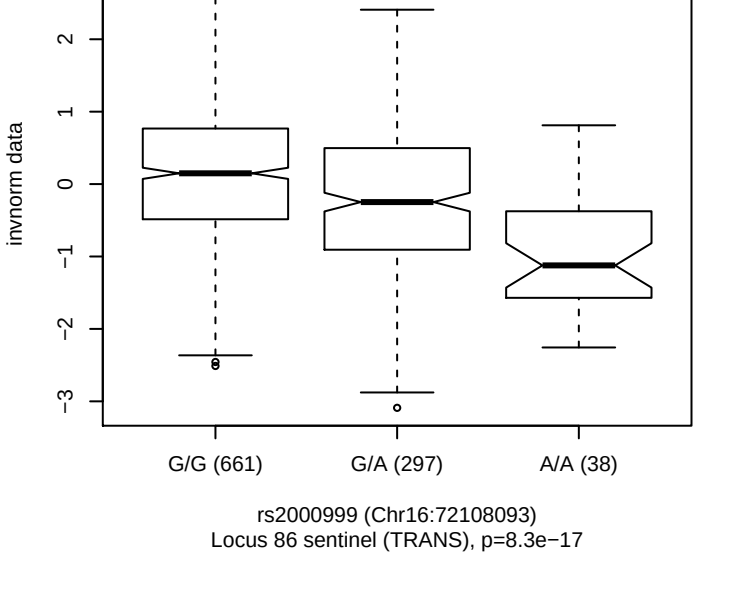

Heparin cofactor II (Uniprot: P05546, ProbeID: 3316−58_1
Frequency
0
100
200
300
400
2000
4000
6000
8000
10000
raw data
Heparin cofactor 2


Heparin cofactor II (Uniprot: P05546, ProbeID: 3316−58_1
raw data
2000
4000
6000
8000
10000
G/G (661)
G/A (297)
A/A (38)
rs2000999 (Chr16:72108093)
Locus 86 sentinel (TRANS), p=2.6e−16

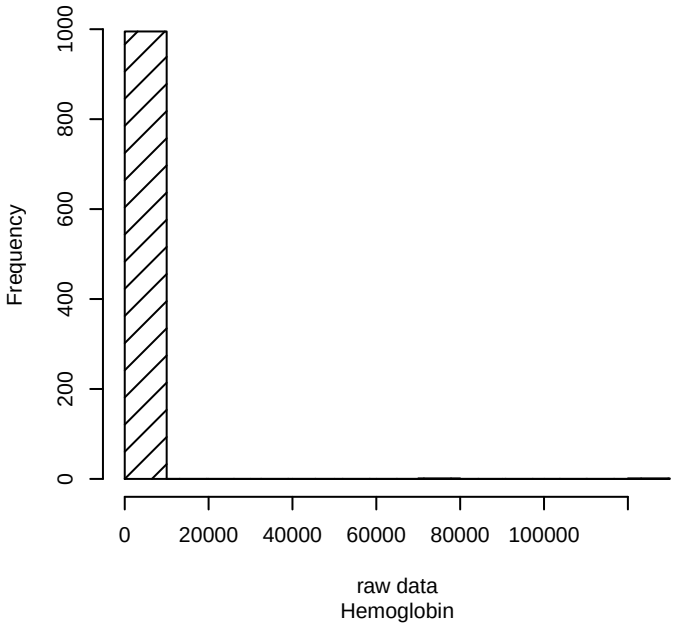

Heparin cofactor II (Uniprot: P05546, ProbeID: 3316−58_1
Frequency
0
50
100
150
200
250
300
10.5
11.0
11.5
12.0
12.5
13.0
13.5
log2−scaled data
Heparin cofactor 2


Heparin cofactor II (Uniprot: P05546, ProbeID: 3316−58_1
log2−scaled data
11.0
11.5
12.0
12.5
13.0
G/G (661)
G/A (297)
A/A (38)
rs2000999 (Chr16:72108093)
Locus 86 sentinel (TRANS), p=6.7e−18, FC=−1.0941

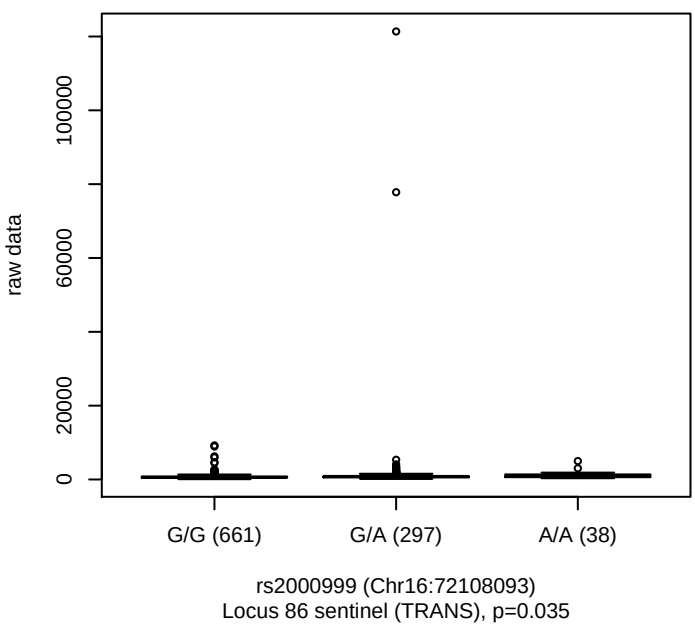

Heparin cofactor II (Uniprot: P05546, ProbeID: 3316−58_1
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Heparin cofactor 2


Heparin cofactor II (Uniprot: P05546, ProbeID: 3316−58_1
invnorm data
−3
−2
−1
0
1
2
3
G/G (661)
G/A (297)
A/A (38)
rs2000999 (Chr16:72108093)
Locus 86 sentinel (TRANS), p=8.3e−17

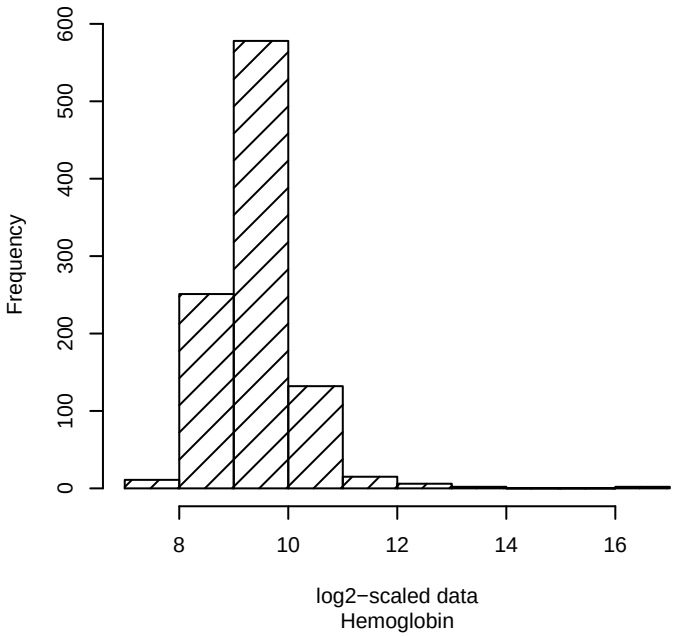
**Hemoglobin (Uniprot: P69905, P68871, ProbeID: 4915−64_**



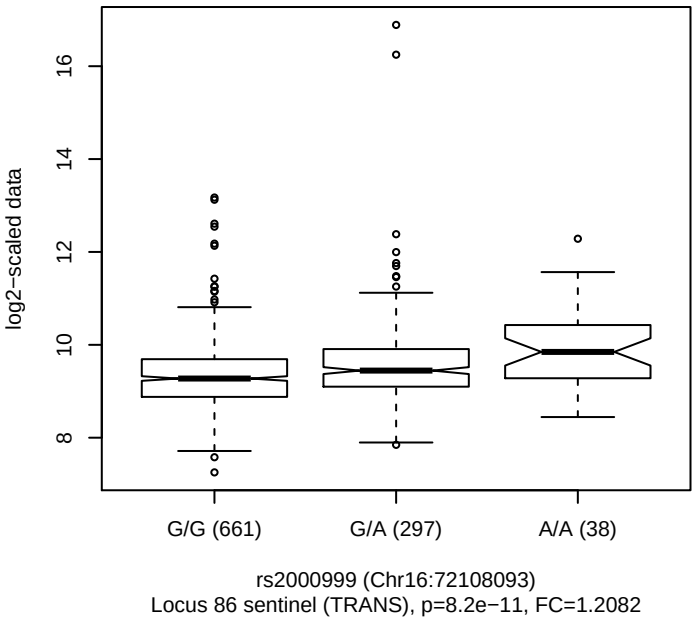

**Hemoglobin (Uniprot: P69905, P68871, ProbeID: 4915−64_**



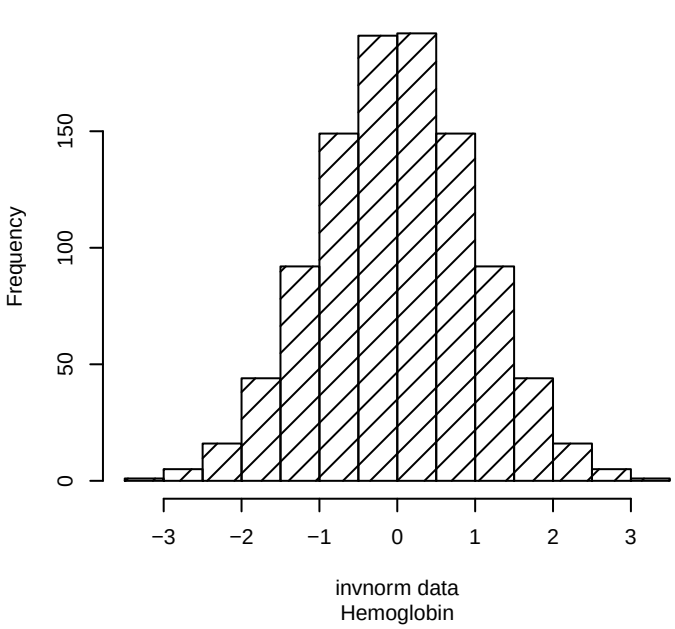

**Hemoglobin (Uniprot: P69905, P68871, ProbeID: 4915−64_**



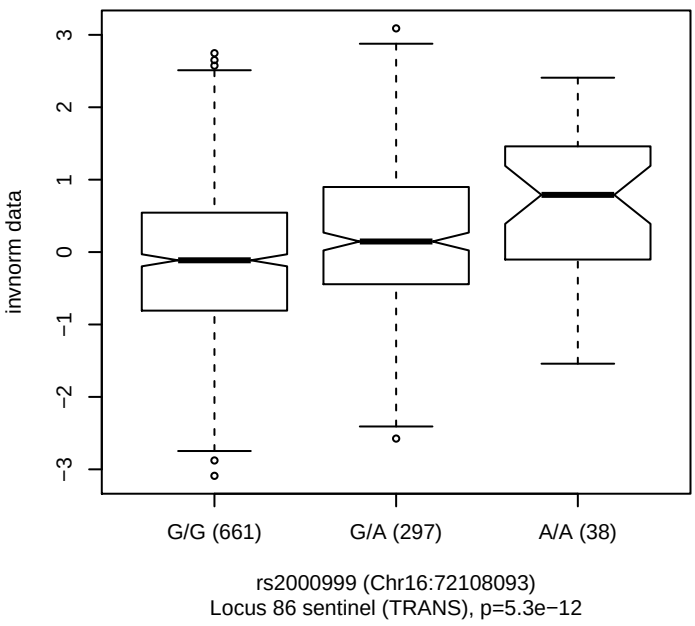

**Hemoglobin (Uniprot: P69905, P68871, ProbeID: 4915−64_**

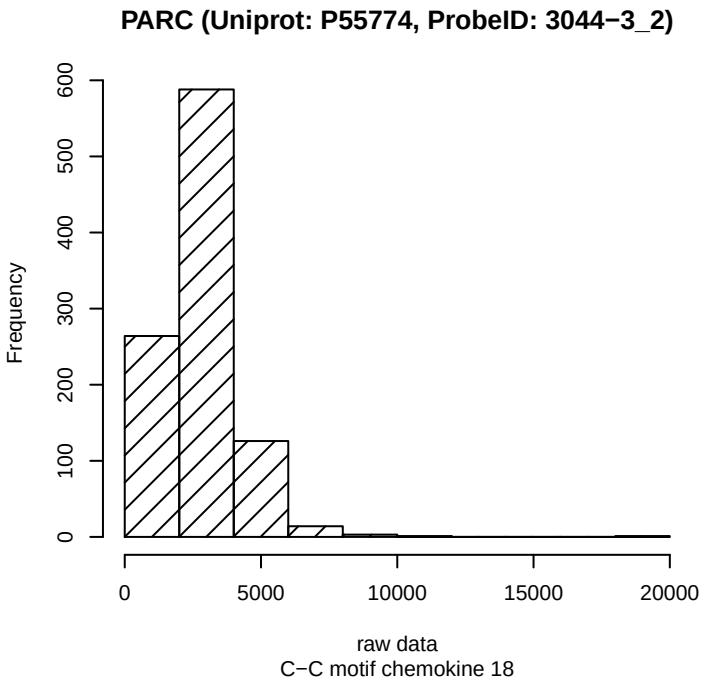


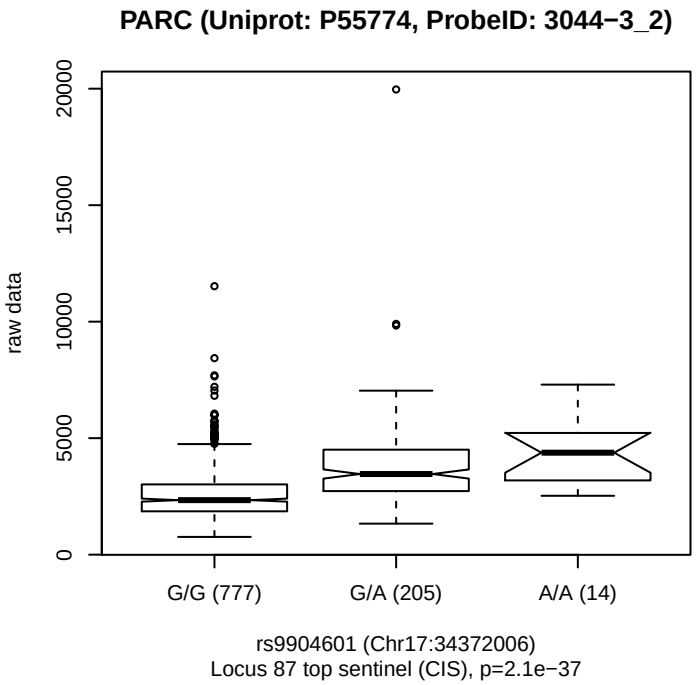

**Hemoglobin (Uniprot: P69905, P68871, ProbeID: 4915−64_**

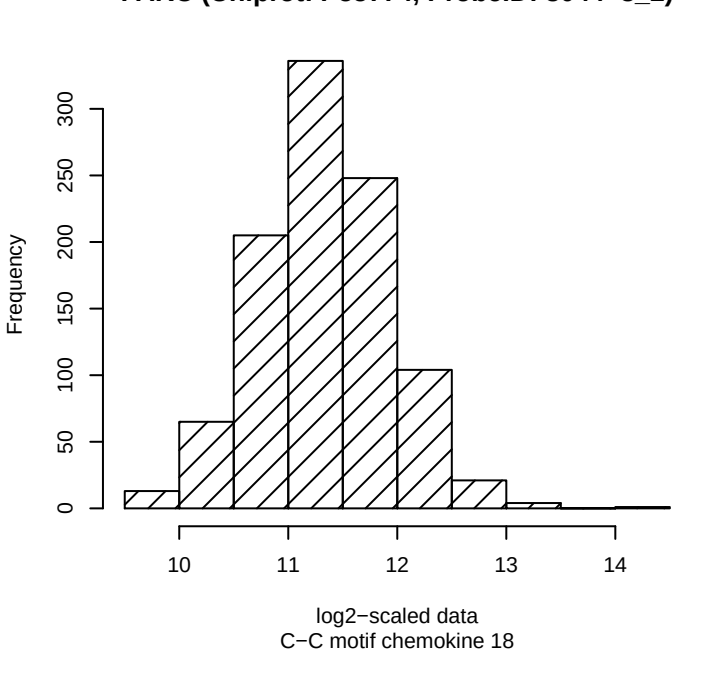


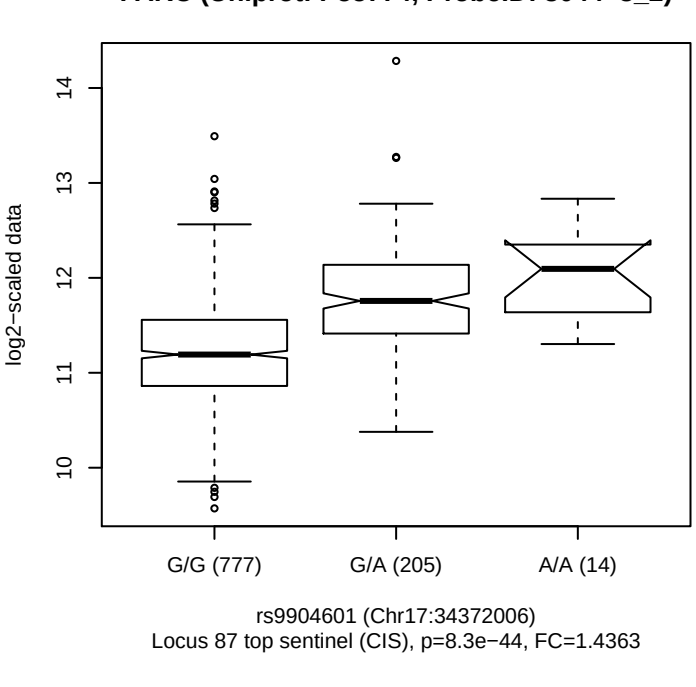

**Hemoglobin (Uniprot: P69905, P68871, ProbeID: 4915−64_**

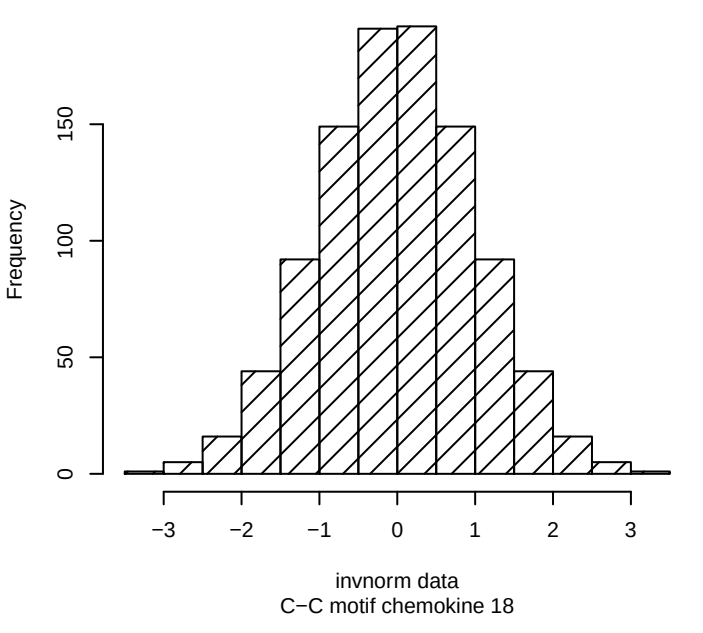


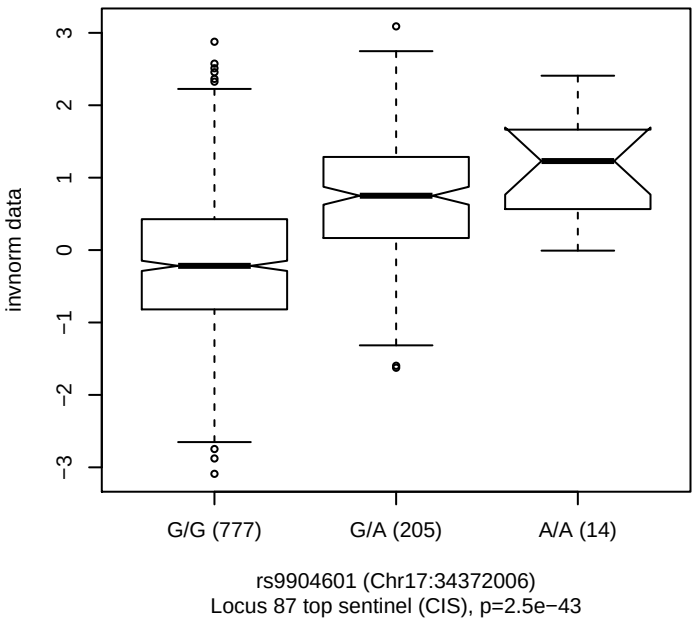

PARC (Uniprot: P55774, ProbeID: 3044−3_2)
Frequency
0
100
200
300
400
500
600
0
5000
10000
15000
20000
raw data
C−C motif chemokine 18

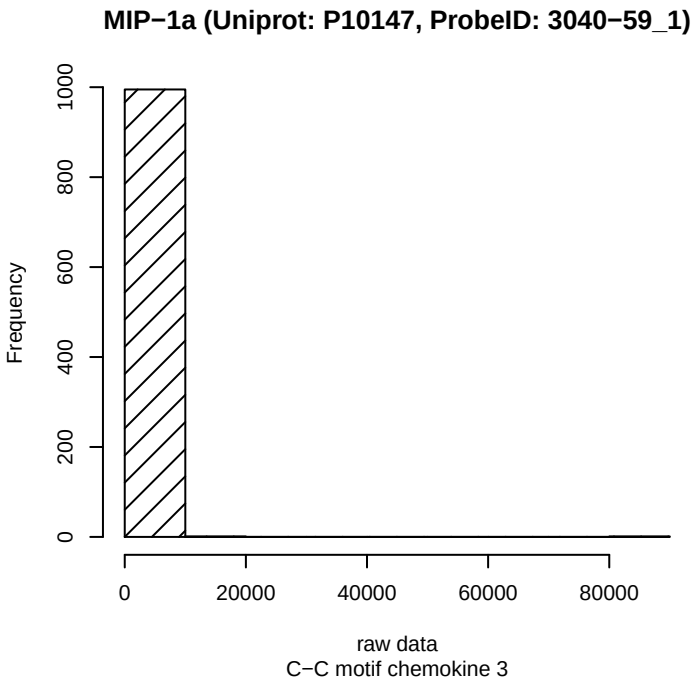

PARC (Uniprot: P55774, ProbeID: 3044−3_2)
raw data
0
5000
10000
15000
20000
G/G (777)
G/A (205)
A/A (14)
rs9904601 (Chr17:34372006)
Locus 87 top sentinel (CIS), p=2.1e−37

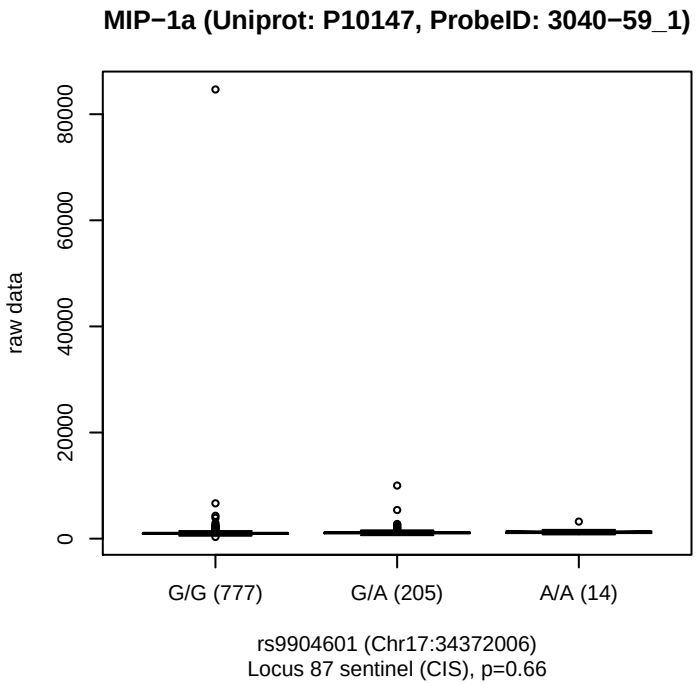

PARC (Uniprot: P55774, ProbeID: 3044−3_2)
Frequency
0
50
100
150
200
250
300
10
11
12
13
14
log2−scaled data
C−C motif chemokine 18

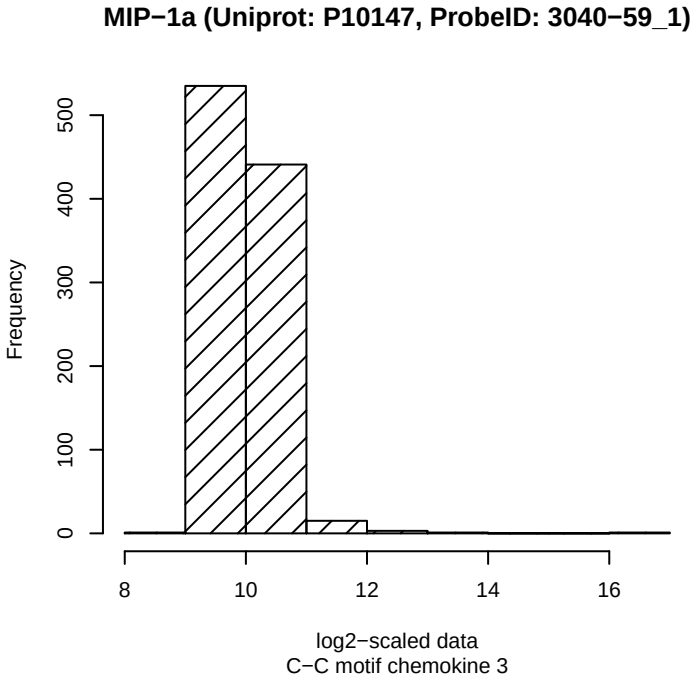

PARC (Uniprot: P55774, ProbeID: 3044−3_2)
log2−scaled data
10
11
12
13
14
G/G (777)
G/A (205)
A/A (14)
rs9904601 (Chr17:34372006)
Locus 87 top sentinel (CIS), p=8.3e−44, FC=1.4363

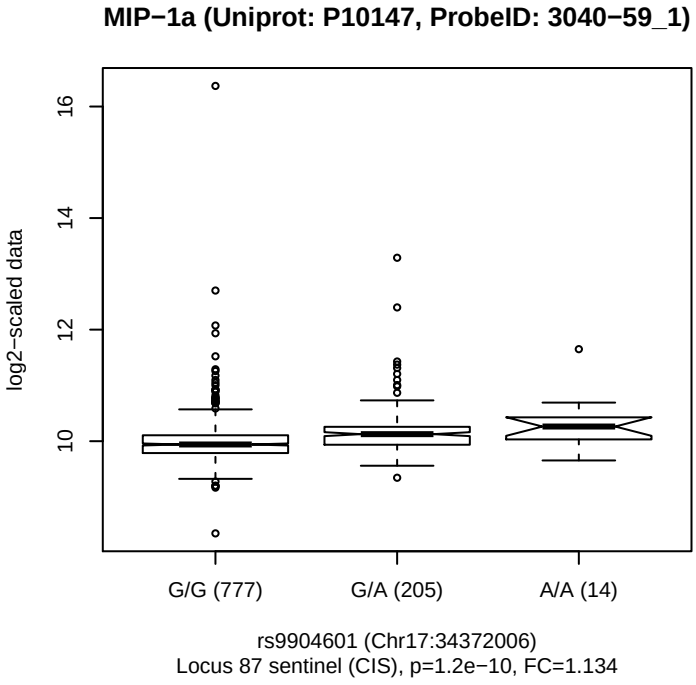

PARC (Uniprot: P55774, ProbeID: 3044−3_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 18

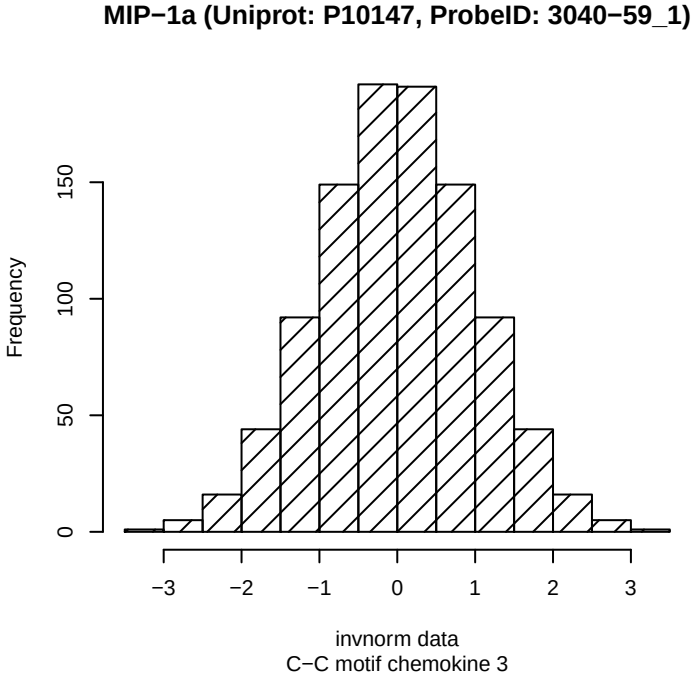

PARC (Uniprot: P55774, ProbeID: 3044−3_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (777)
G/A (205)
A/A (14)
rs9904601 (Chr17:34372006)
Locus 87 top sentinel (CIS), p=2.5e−43

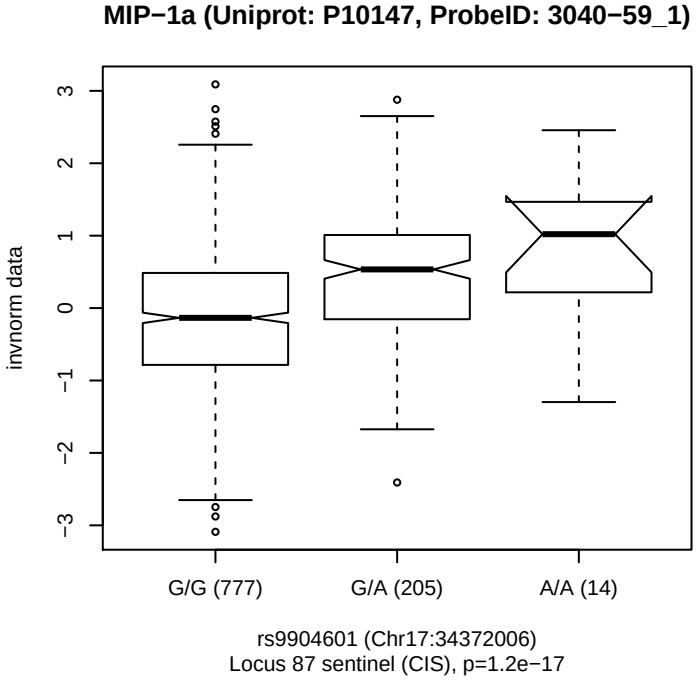

MIP−1a (Uniprot: P10147, ProbeID: 3040−59_1)
Frequency
0
200
400
600
800
1000
0
20000
40000
60000
80000
raw data
C−C motif chemokine 3

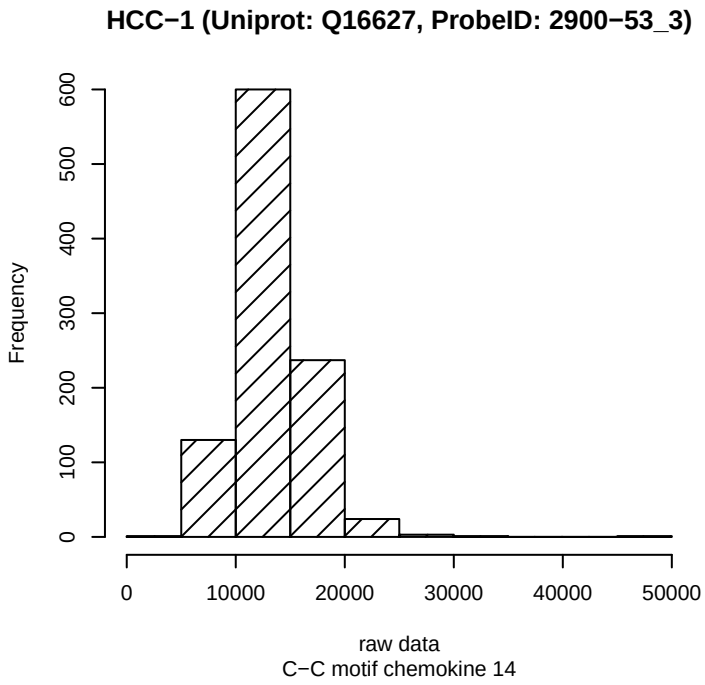

MIP−1a (Uniprot: P10147, ProbeID: 3040−59_1)
raw data
0
20000
40000
60000
80000
G/G (777)
G/A (205)
A/A (14)
rs9904601 (Chr17:34372006)
Locus 87 sentinel (CIS), p=0.66

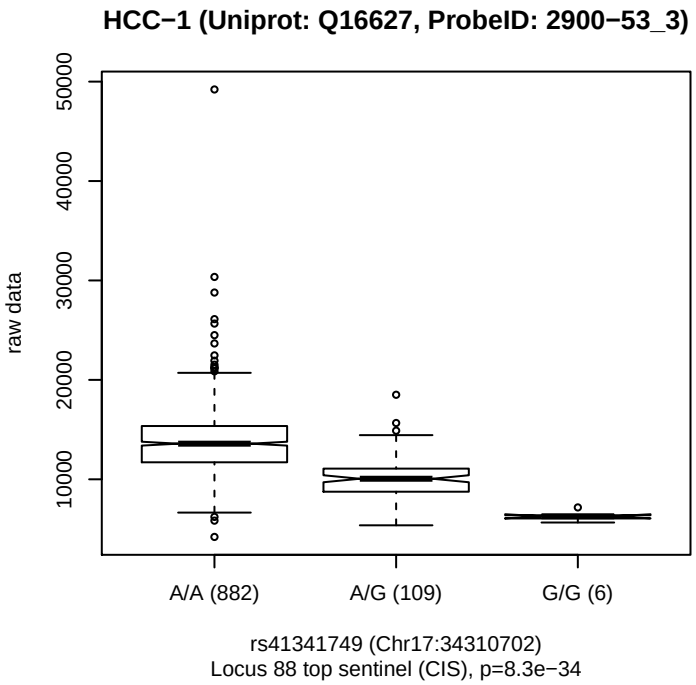

MIP−1a (Uniprot: P10147, ProbeID: 3040−59_1)
Frequency
0
100
200
300
400
500
8
10
12
14
16
log2−scaled data
C−C motif chemokine 3

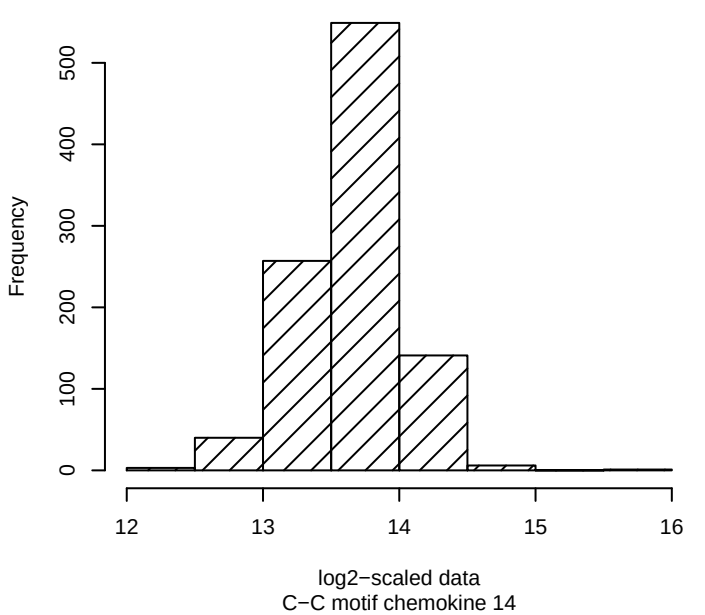

MIP−1a (Uniprot: P10147, ProbeID: 3040−59_1)
log2−scaled data
10
12
14
16
G/G (777)
G/A (205)
A/A (14)
rs9904601 (Chr17:34372006)
Locus 87 sentinel (CIS), p=1.2e−10, FC=1.134

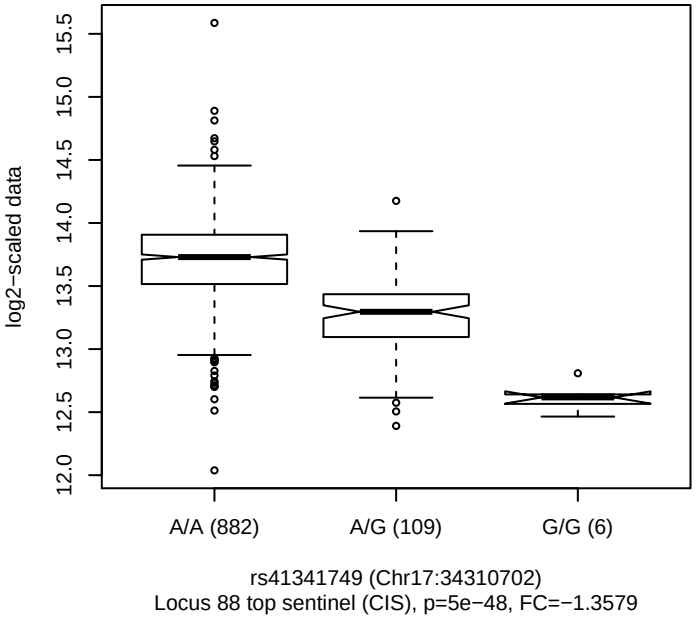

MIP−1a (Uniprot: P10147, ProbeID: 3040−59_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 3

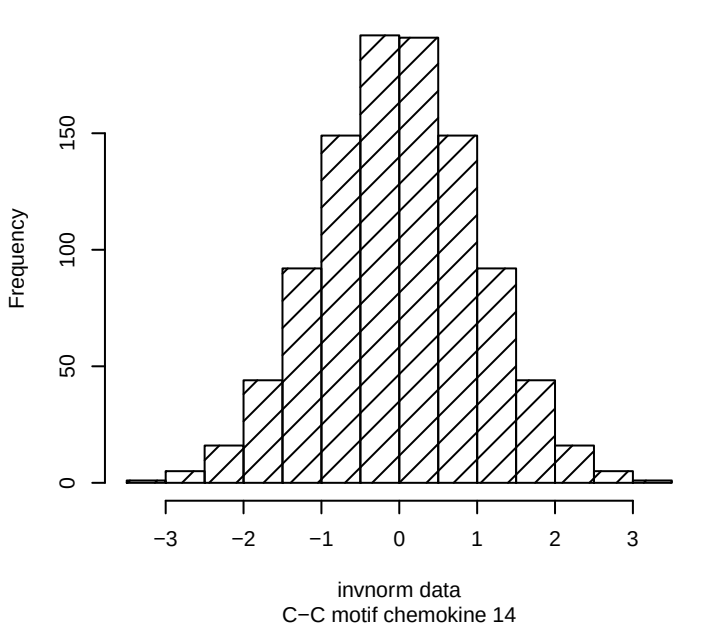

MIP−1a (Uniprot: P10147, ProbeID: 3040−59_1)
invnorm data
−3
−2
−1
0
1
2
3
G/G (777)
G/A (205)
A/A (14)
rs9904601 (Chr17:34372006)
Locus 87 sentinel (CIS), p=1.2e−17

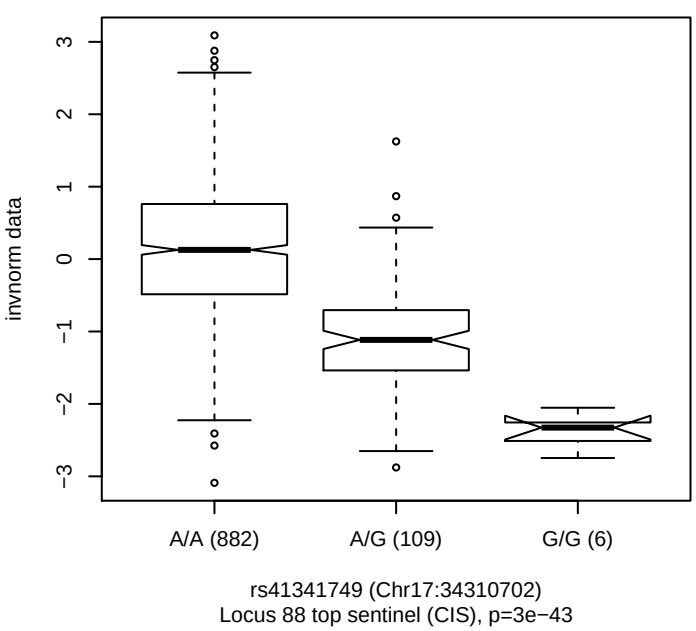

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
Frequency
0
100
200
300
400
500
600
0
10000
20000
30000
40000
50000
raw data
C−C motif chemokine 14

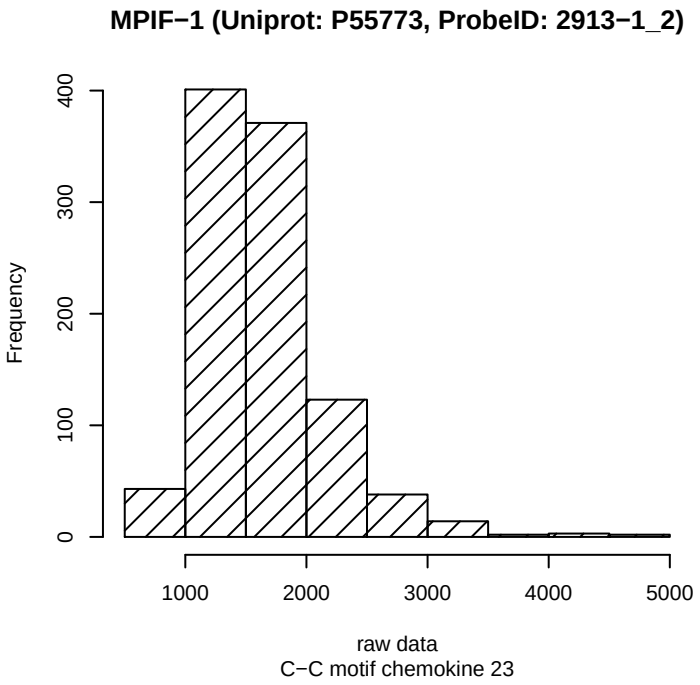

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
raw data
10000
20000
30000
40000
50000
A/A (882)
A/G (109)
G/G (6)
rs41341749 (Chr17:34310702)
Locus 88 top sentinel (CIS), p=8.3e−34

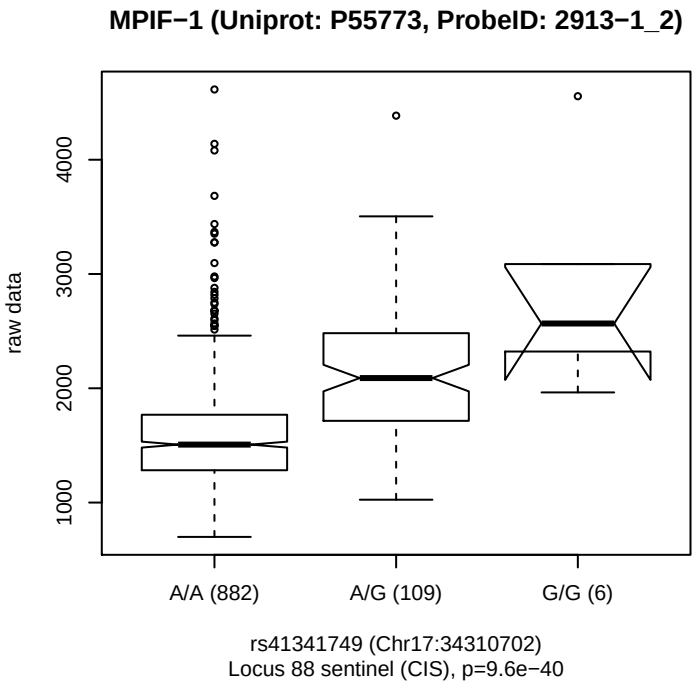

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
Frequency
0
100
200
300
400
500
12
13
14
15
16
log2−scaled data
C−C motif chemokine 14

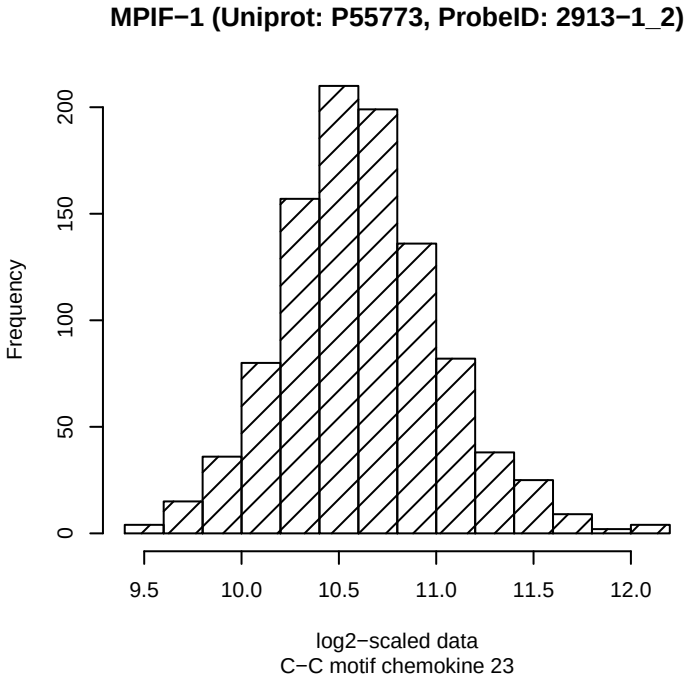

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
log2−scaled data
12.0
12.5
13.0
13.5
14.0
14.5
15.0
15.5
A/A (882)
A/G (109)
G/G (6)
rs41341749 (Chr17:34310702)
Locus 88 top sentinel (CIS), p=5e−48, FC=−1.3579

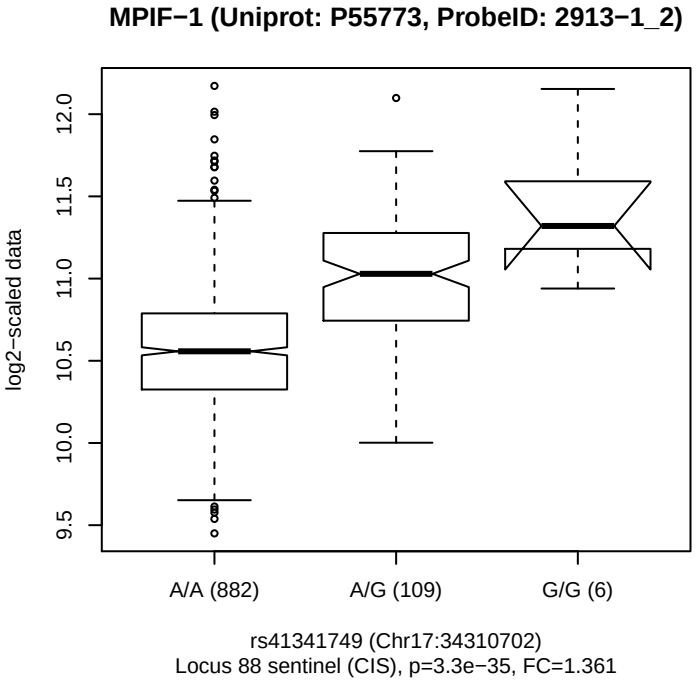

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 14

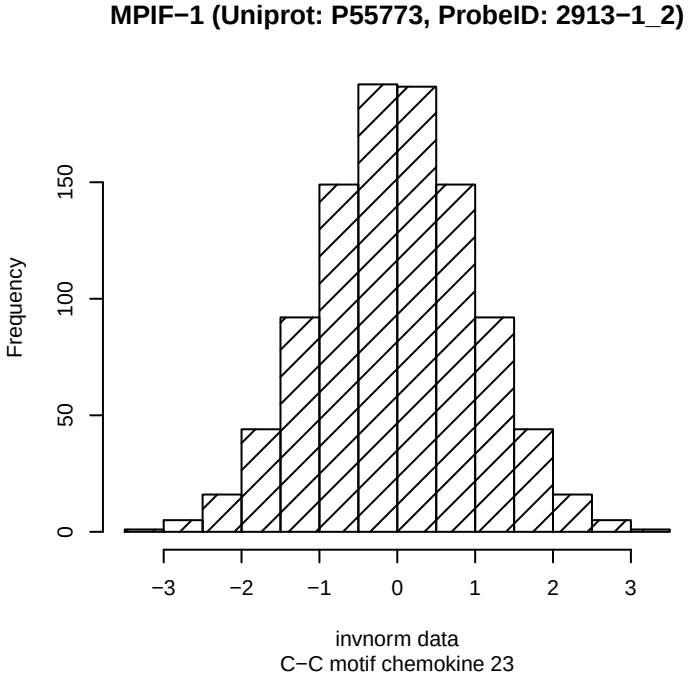

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
invnorm data
−3
−2
−1
0
1
2
3
A/A (882)
A/G (109)
G/G (6)
rs41341749 (Chr17:34310702)
Locus 88 top sentinel (CIS), p=3e−43

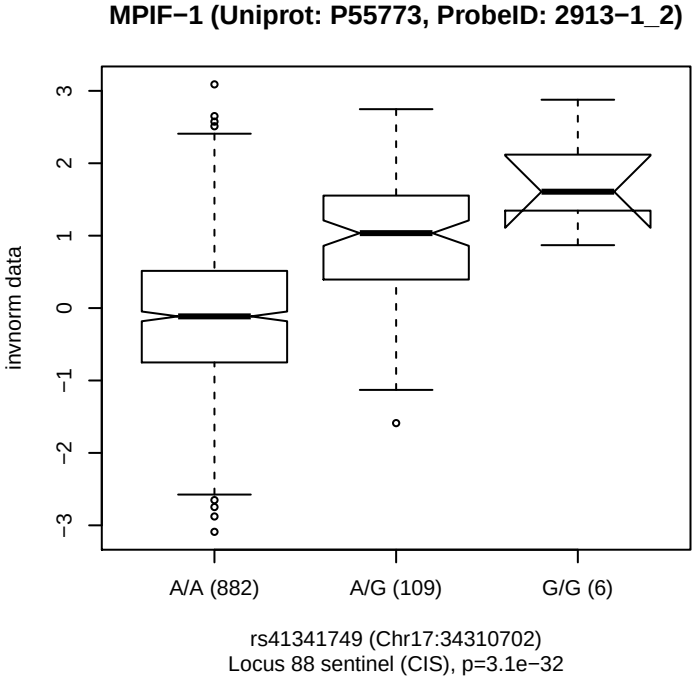

MPIF−1 (Uniprot: P55773, ProbeID: 2913−1_2)
Frequency
0
100
200
300
400
1000
2000
3000
4000
5000
raw data
C−C motif chemokine 23

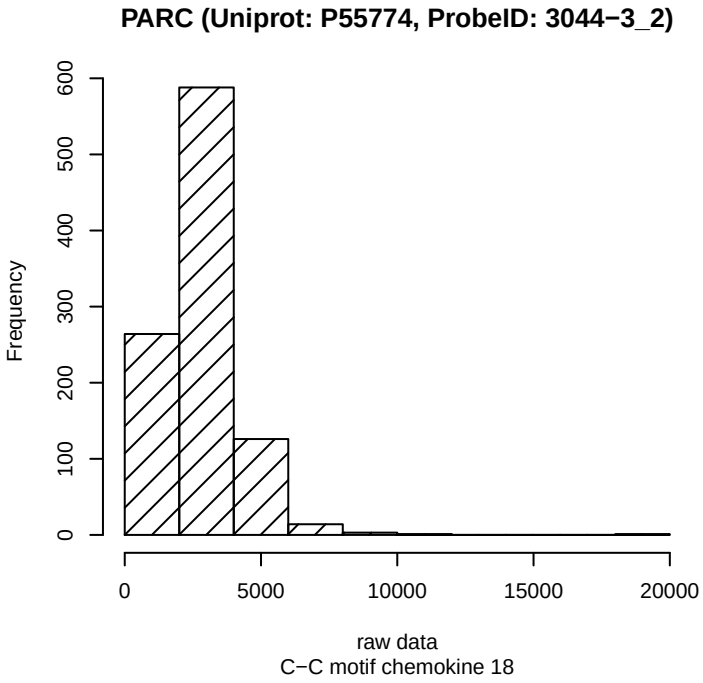

MPIF−1 (Uniprot: P55773, ProbeID: 2913−1_2)
raw data
1000
2000
3000
4000
A/A (882)
A/G (109)
G/G (6)
rs41341749 (Chr17:34310702)
Locus 88 sentinel (CIS), p=9.6e−40

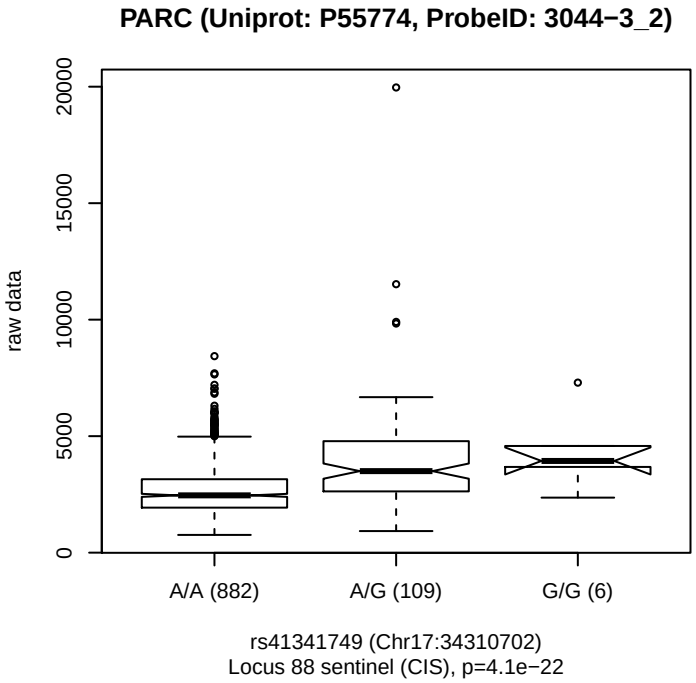

MPIF−1 (Uniprot: P55773, ProbeID: 2913−1_2)
Frequency
0
50
100
150
200
9.5
10.0
10.5
11.0
11.5
12.0
log2−scaled data
C−C motif chemokine 23

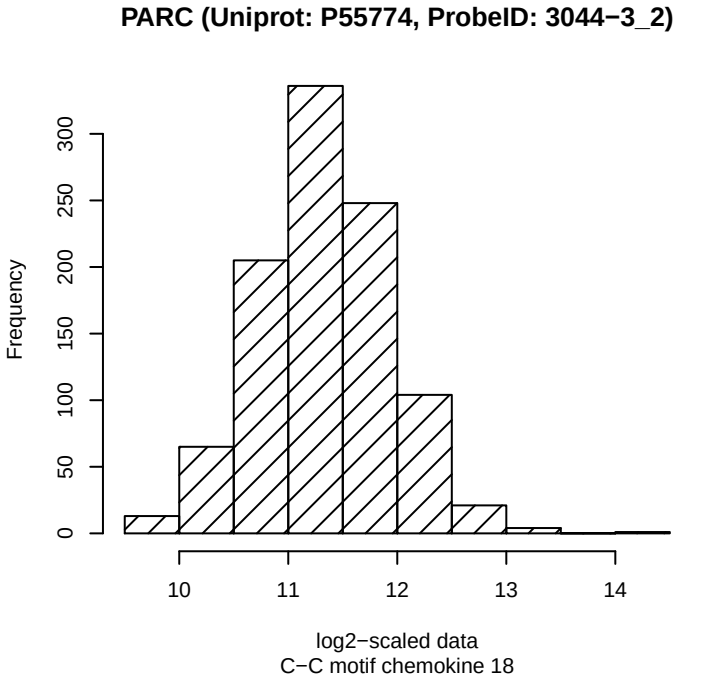

MPIF−1 (Uniprot: P55773, ProbeID: 2913−1_2)
log2−scaled data
9.5
10.0
10.5
11.0
11.5
12.0
A/A (882)
A/G (109)
G/G (6)
rs41341749 (Chr17:34310702)
Locus 88 sentinel (CIS), p=3.3e−35, FC=1.361

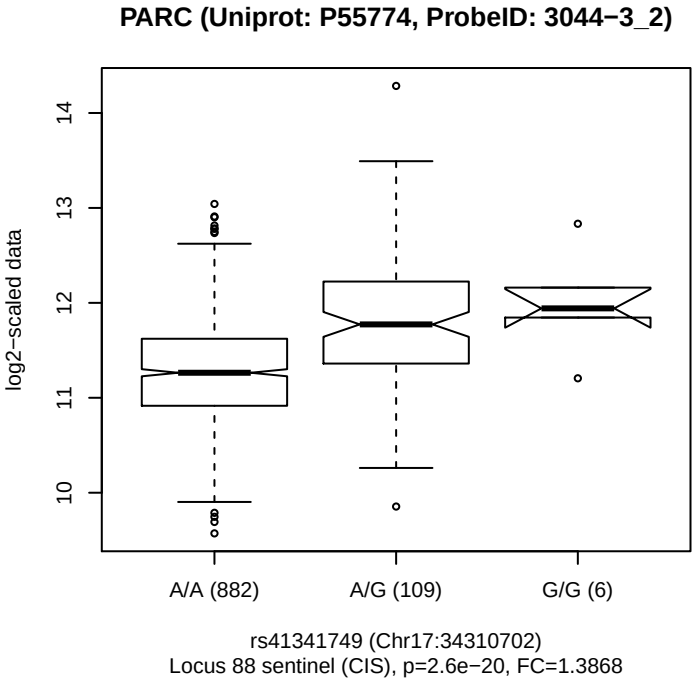

MPIF−1 (Uniprot: P55773, ProbeID: 2913−1_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 23

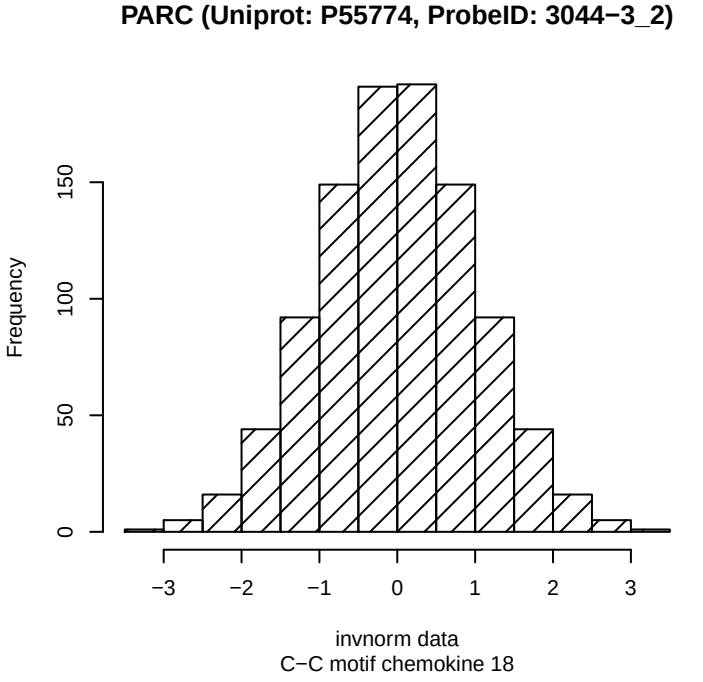

MPIF−1 (Uniprot: P55773, ProbeID: 2913−1_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (882)
A/G (109)
G/G (6)
rs41341749 (Chr17:34310702)
Locus 88 sentinel (CIS), p=3.1e−32

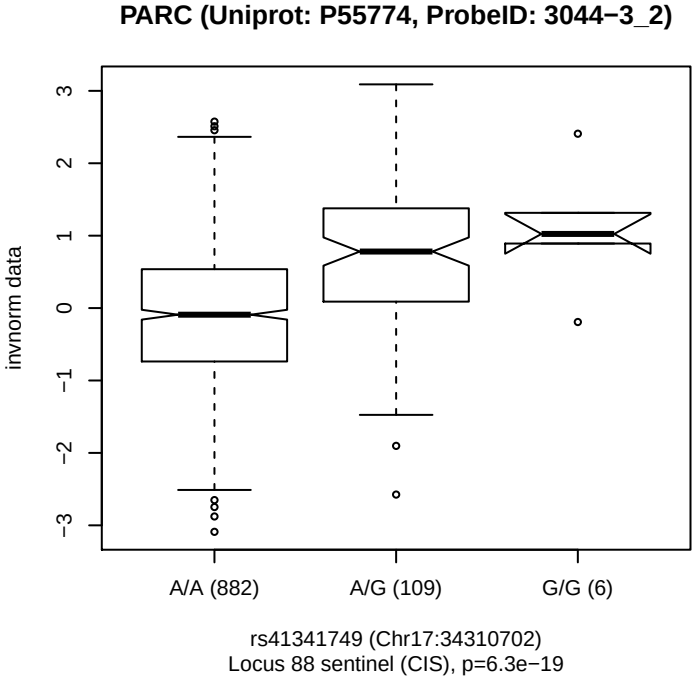

PARC (Uniprot: P55774, ProbeID: 3044−3_2)
Frequency
0
100
200
300
400
500
600
0
5000
10000
15000
20000
raw data
C−C motif chemokine 18

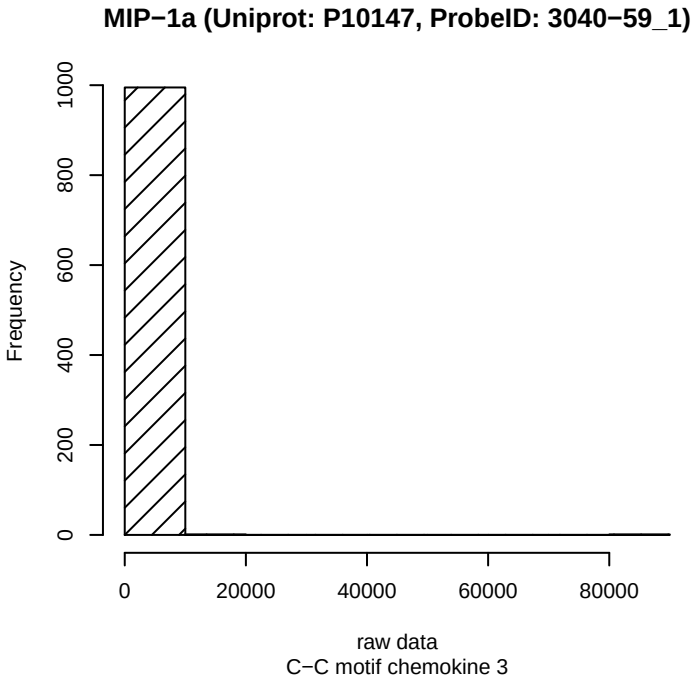

PARC (Uniprot: P55774, ProbeID: 3044−3_2)
raw data
0
5000
10000
15000
20000
A/A (882)
A/G (109)
G/G (6)
rs41341749 (Chr17:34310702)
Locus 88 sentinel (CIS), p=4.1e−22

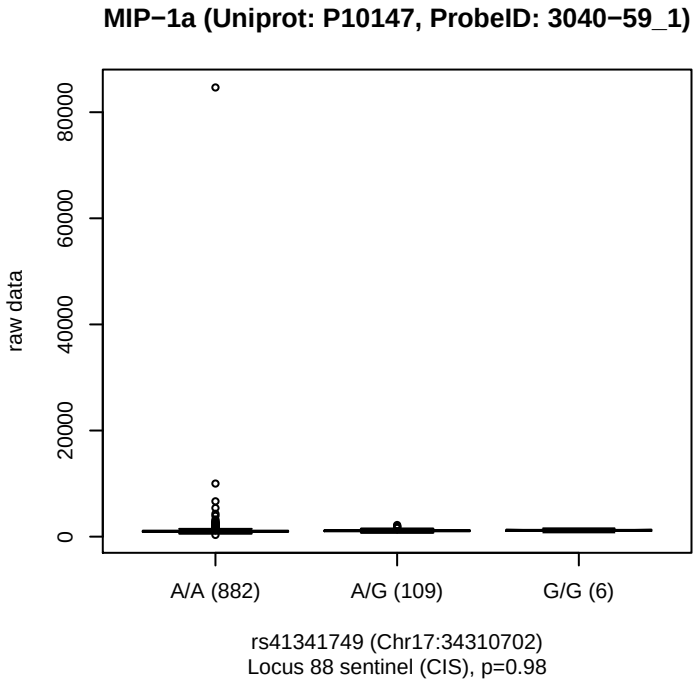

PARC (Uniprot: P55774, ProbeID: 3044−3_2)
Frequency
0
50
100
150
200
250
300
10
11
12
13
14
log2−scaled data
C−C motif chemokine 18

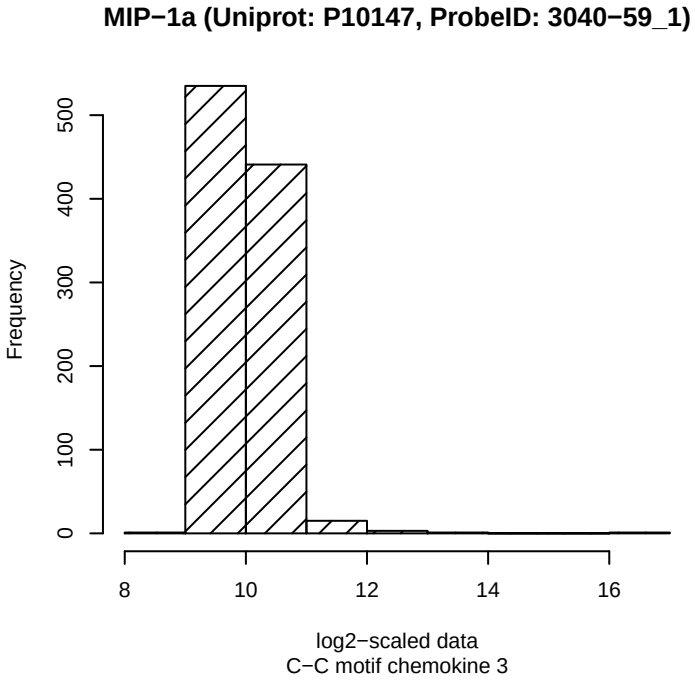

PARC (Uniprot: P55774, ProbeID: 3044−3_2)
log2−scaled data
10
11
12
13
14
A/A (882)
A/G (109)
G/G (6)
rs41341749 (Chr17:34310702)
Locus 88 sentinel (CIS), p=2.6e−20, FC=1.3868

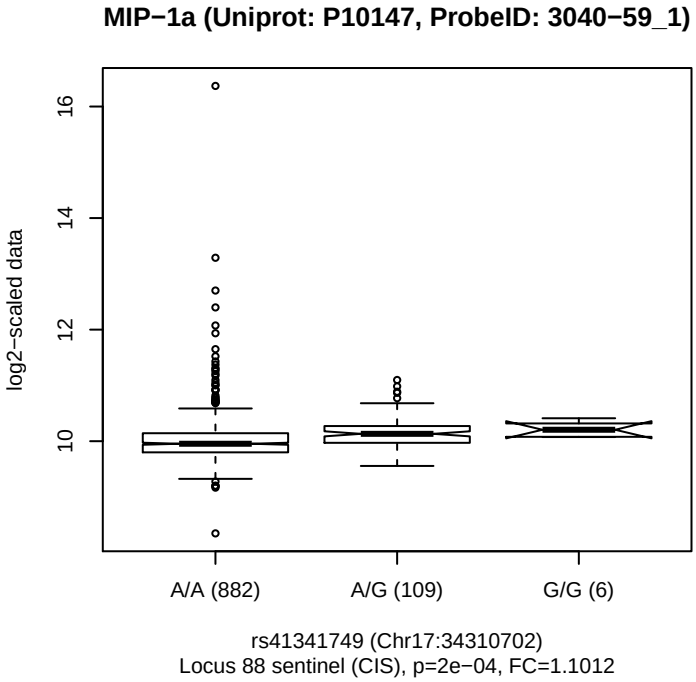

PARC (Uniprot: P55774, ProbeID: 3044−3_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 18

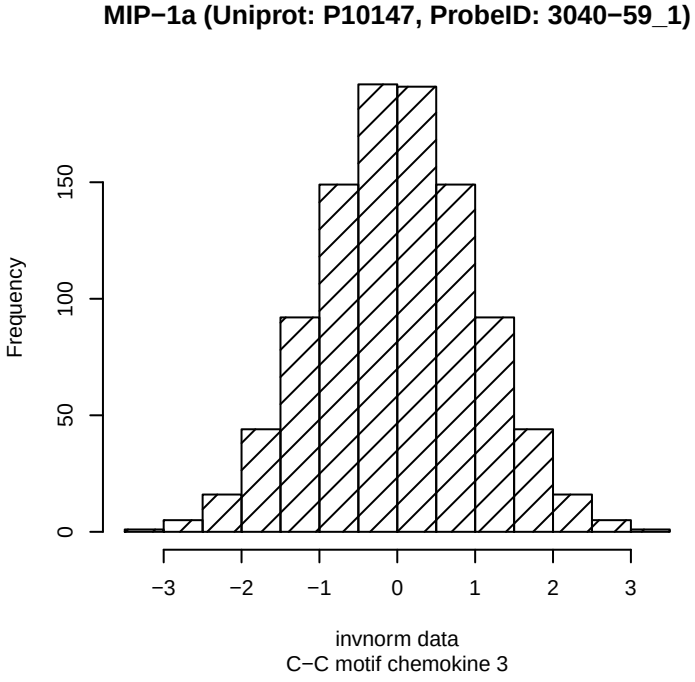

PARC (Uniprot: P55774, ProbeID: 3044−3_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (882)
A/G (109)
G/G (6)
rs41341749 (Chr17:34310702)
Locus 88 sentinel (CIS), p=6.3e−19

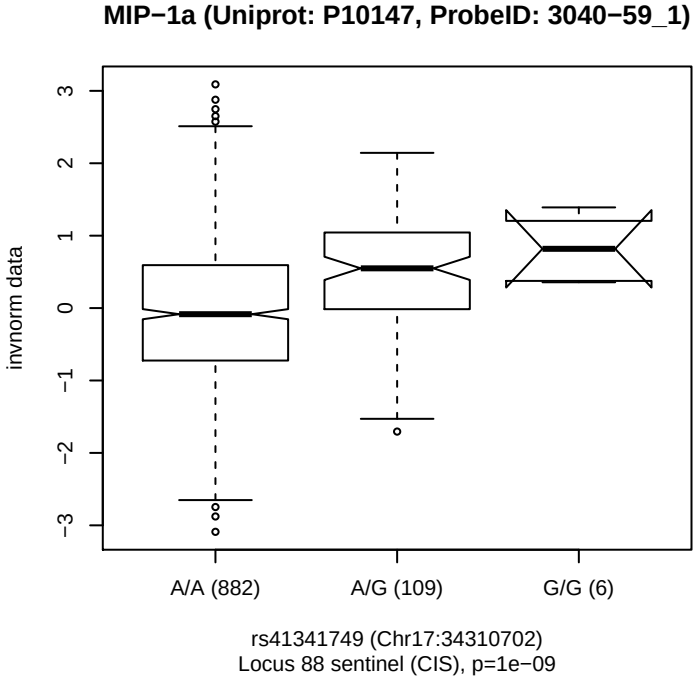

MIP−1a (Uniprot: P10147, ProbeID: 3040−59_1)
Frequency
0
200
400
600
800
1000
0
20000
40000
60000
80000
raw data
C−C motif chemokine 3

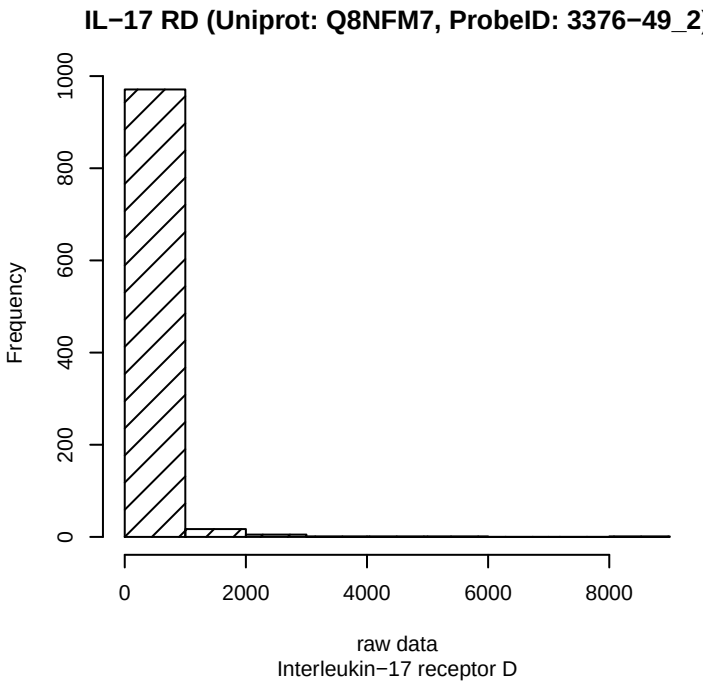

MIP−1a (Uniprot: P10147, ProbeID: 3040−59_1)
raw data
0
20000
40000
60000
80000
A/A (882)
A/G (109)
G/G (6)
rs41341749 (Chr17:34310702)
Locus 88 sentinel (CIS), p=0.98

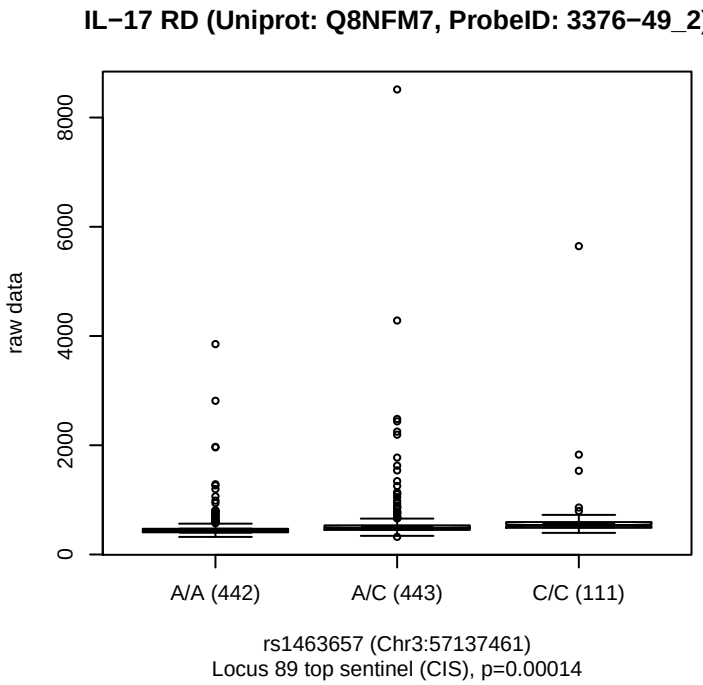

MIP−1a (Uniprot: P10147, ProbeID: 3040−59_1)
Frequency
0
100
200
300
400
500
8
10
12
14
16
log2−scaled data
C−C motif chemokine 3

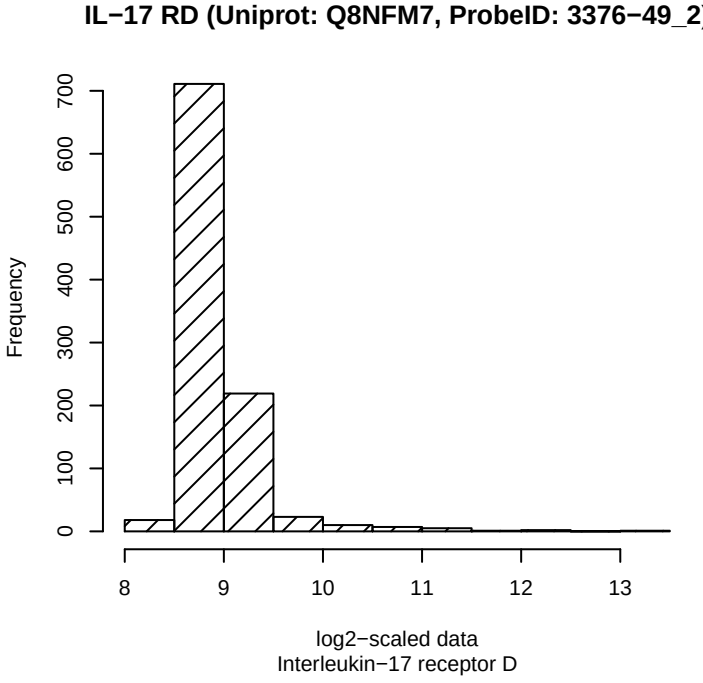

MIP−1a (Uniprot: P10147, ProbeID: 3040−59_1)
log2−scaled data
10
12
14
16
A/A (882)
A/G (109)
G/G (6)
rs41341749 (Chr17:34310702)
Locus 88 sentinel (CIS), p=2e−04, FC=1.1012

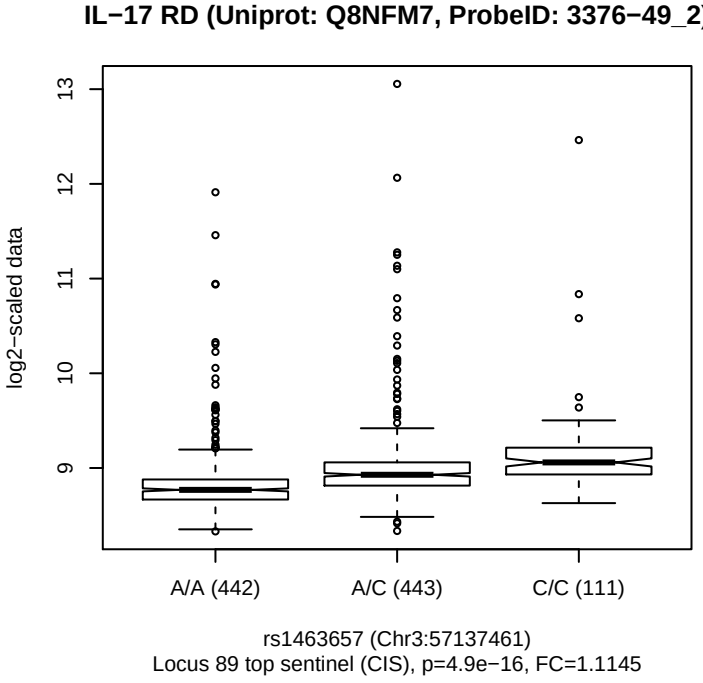

MIP−1a (Uniprot: P10147, ProbeID: 3040−59_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 3

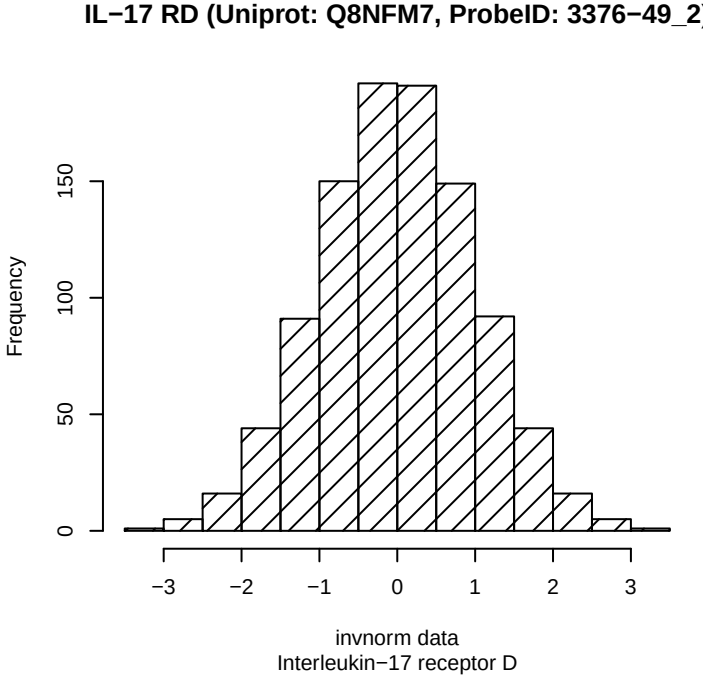

MIP−1a (Uniprot: P10147, ProbeID: 3040−59_1)
invnorm data
−3
−2
−1
0
1
2
3
A/A (882)
A/G (109)
G/G (6)
rs41341749 (Chr17:34310702)
Locus 88 sentinel (CIS), p=1e−09

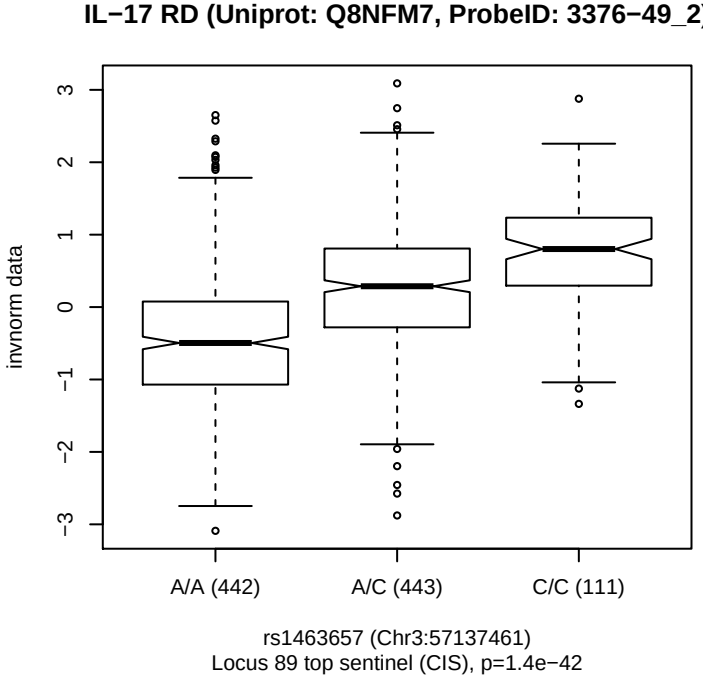

IL−17 RD (Uniprot: Q8NFM7, ProbeID: 3376−49_2)
Frequency
0
200
400
600
800
1000
0
2000
4000
6000
8000
raw data
Interleukin−17 receptor D

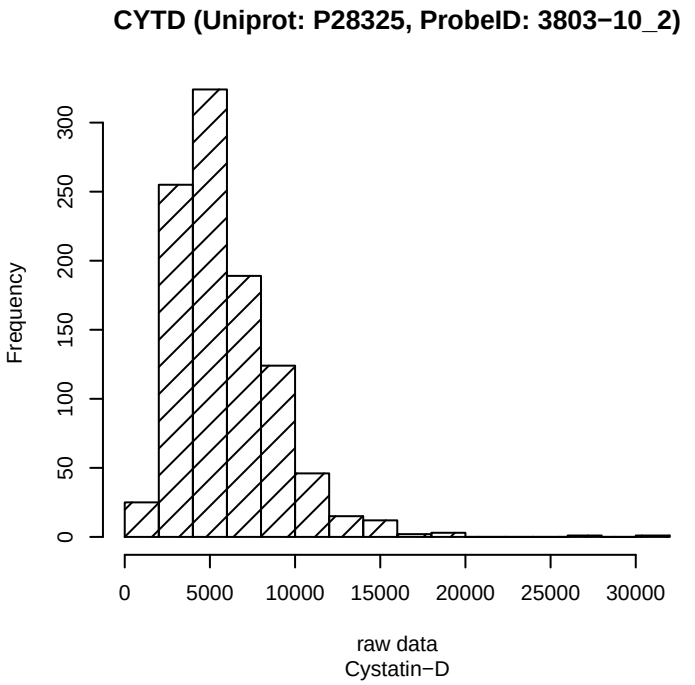

IL−17 RD (Uniprot: Q8NFM7, ProbeID: 3376−49_2)
raw data
0
2000
4000
6000
8000
A/A (442)
A/C (443)
C/C (111)
rs1463657 (Chr3:57137461)
Locus 89 top sentinel (CIS), p=0.00014

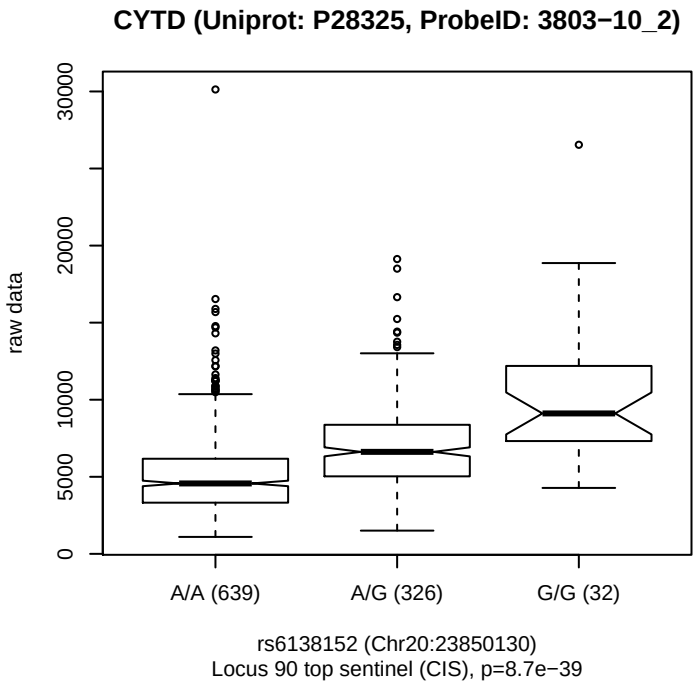

IL−17 RD (Uniprot: Q8NFM7, ProbeID: 3376−49_2)
Frequency
0
100
200
300
400
500
600
700
8
9
10
11
12
13
log2−scaled data
Interleukin−17 receptor D

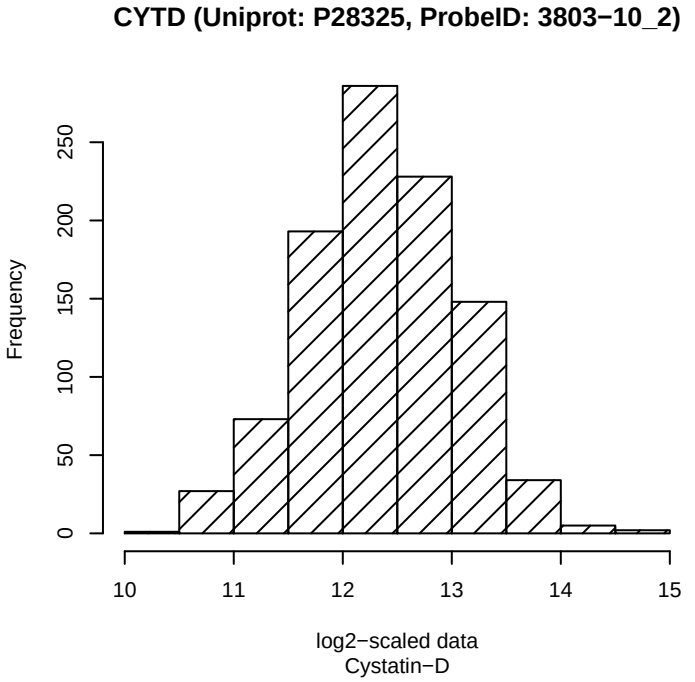

IL−17 RD (Uniprot: Q8NFM7, ProbeID: 3376−49_2)
log2−scaled data
9
10
11
12
13
A/A (442)
A/C (443)
C/C (111)
rs1463657 (Chr3:57137461)
Locus 89 top sentinel (CIS), p=4.9e−16, FC=1.1145

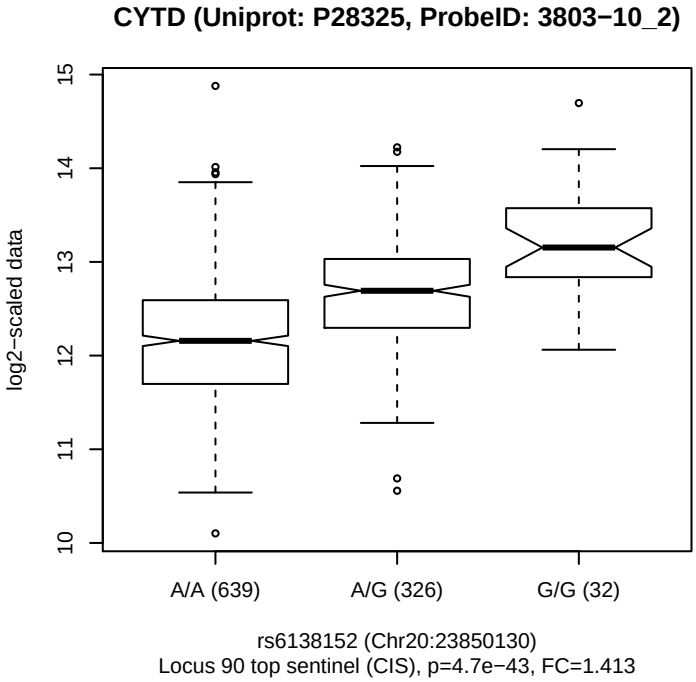

IL−17 RD (Uniprot: Q8NFM7, ProbeID: 3376−49_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−17 receptor D

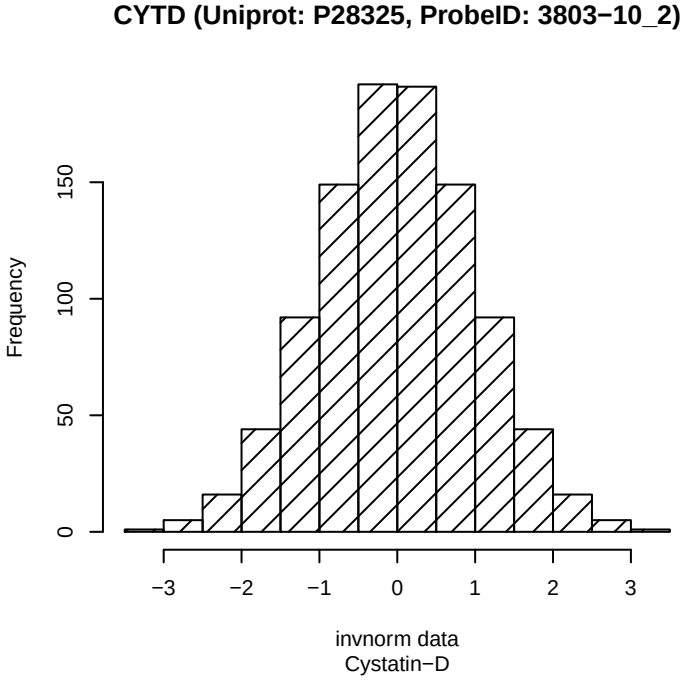

IL−17 RD (Uniprot: Q8NFM7, ProbeID: 3376−49_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (442)
A/C (443)
C/C (111)
rs1463657 (Chr3:57137461)
Locus 89 top sentinel (CIS), p=1.4e−42

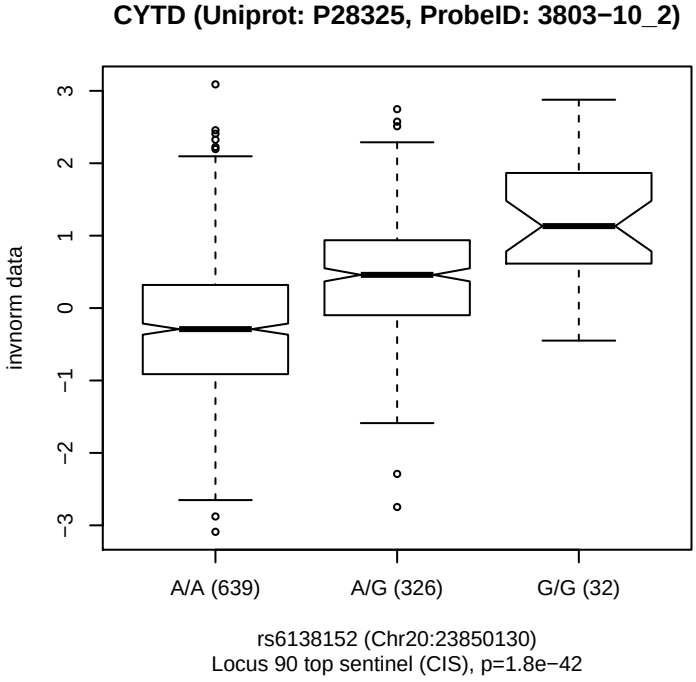

CYTD (Uniprot: P28325, ProbeID: 3803−10_2)
Frequency
0
50
100
150
200
250
300
0
5000
10000
15000
20000
25000
30000
raw data
Cystatin−D

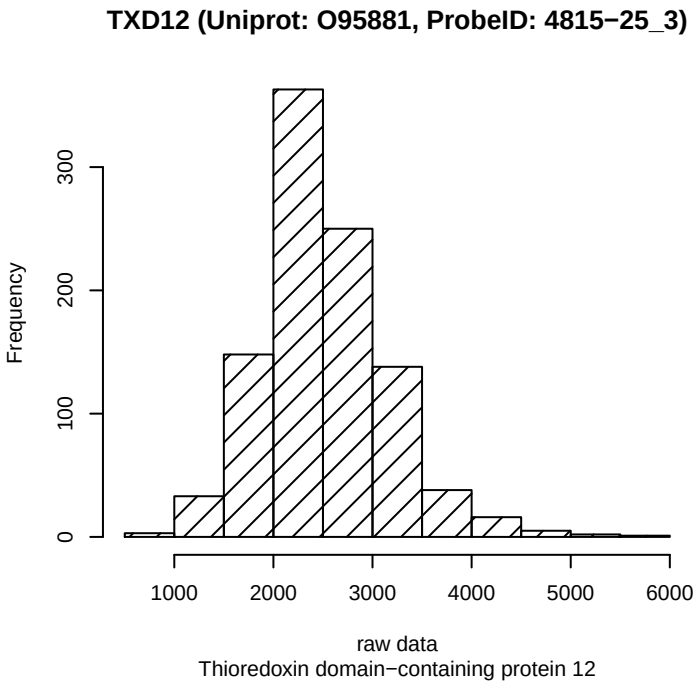

CYTD (Uniprot: P28325, ProbeID: 3803−10_2)
raw data
0
5000
10000
20000
30000
A/A (639)
A/G (326)
G/G (32)
rs6138152 (Chr20:23850130)
Locus 90 top sentinel (CIS), p=8.7e−39

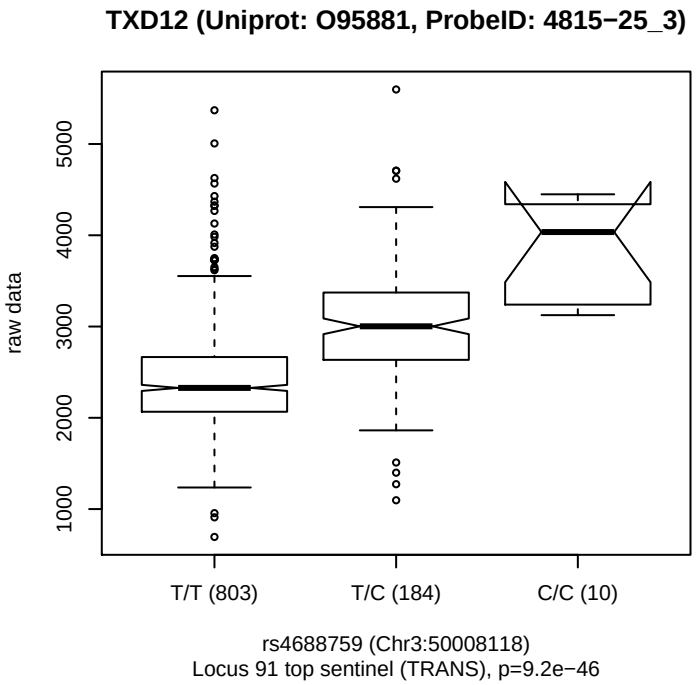

CYTD (Uniprot: P28325, ProbeID: 3803−10_2)
Frequency
0
50
100
150
200
250
10
11
12
13
14
15
log2−scaled data
Cystatin−D

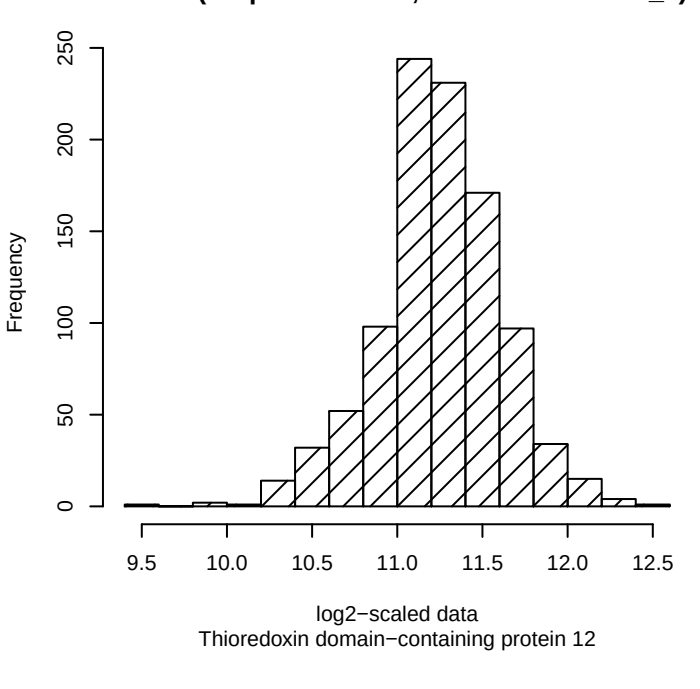

CYTD (Uniprot: P28325, ProbeID: 3803−10_2)
log2−scaled data
10
11
12
13
14
15
A/A (639)
A/G (326)
G/G (32)
rs6138152 (Chr20:23850130)
Locus 90 top sentinel (CIS), p=4.7e−43, FC=1.413

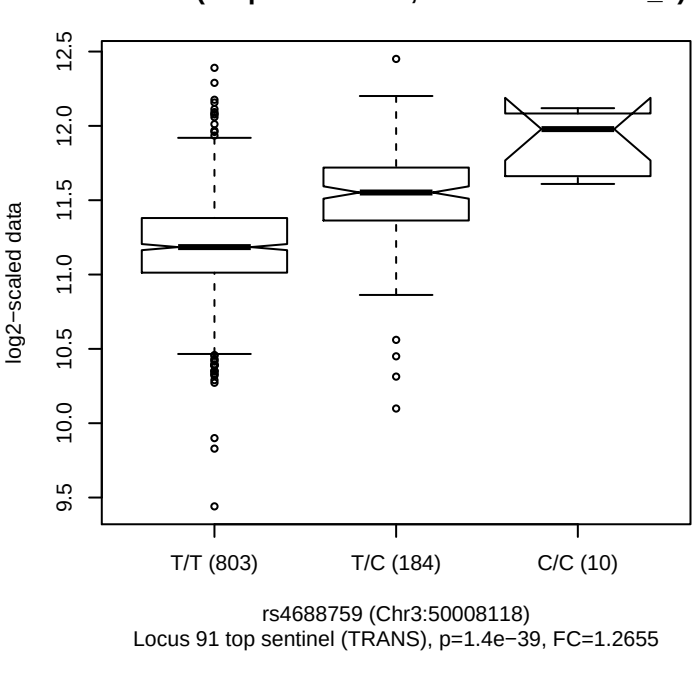

CYTD (Uniprot: P28325, ProbeID: 3803−10_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Cystatin−D

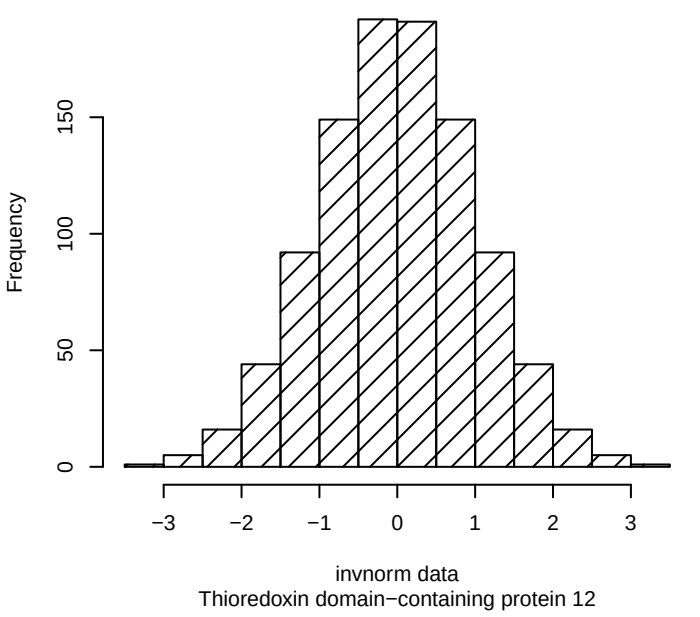

CYTD (Uniprot: P28325, ProbeID: 3803−10_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (639)
A/G (326)
G/G (32)
rs6138152 (Chr20:23850130)
Locus 90 top sentinel (CIS), p=1.8e−42

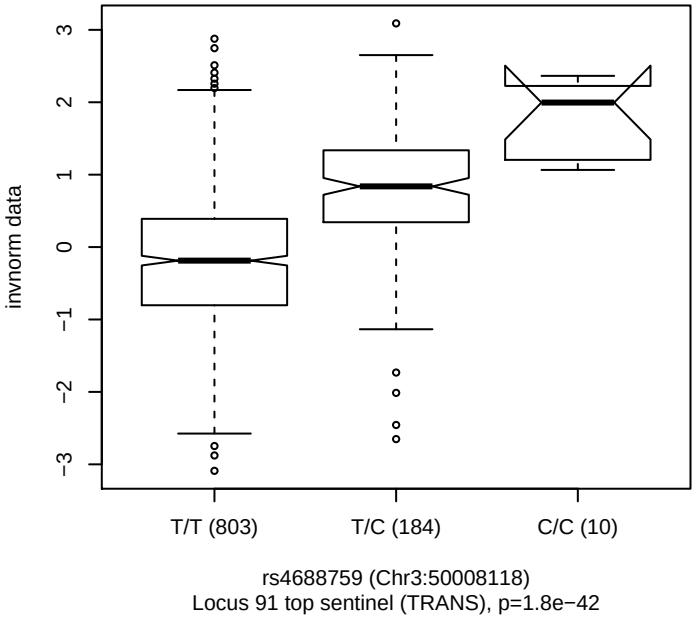

TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
Frequency
0
100
200
300
1000
2000
3000
4000
5000
6000
raw data
Thioredoxin domain−containing protein 12

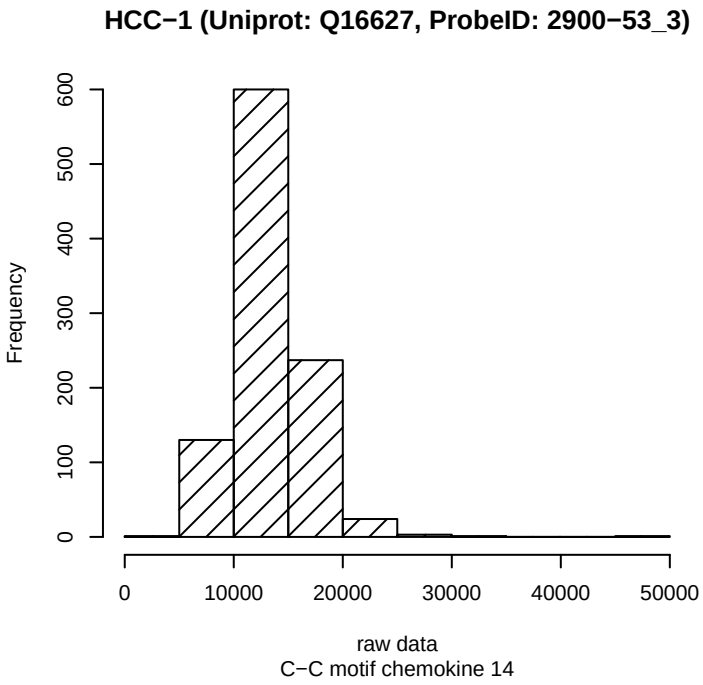

TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
raw data
1000
2000
3000
4000
5000
T/T (803)
T/C (184)
C/C (10)
rs4688759 (Chr3:50008118)
Locus 91 top sentinel (TRANS), p=9.2e−46

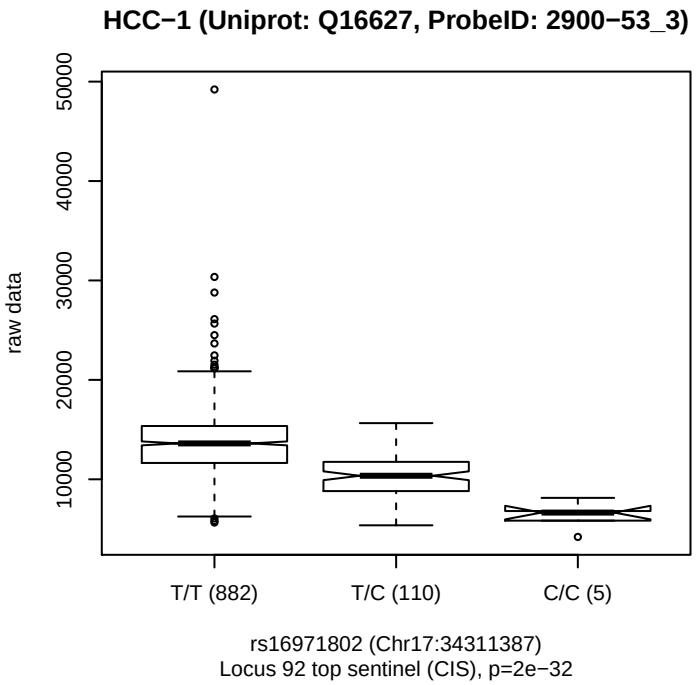

TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
Frequency
0
50
100
150
200
250
9.5
10.0
10.5
11.0
11.5
12.0
12.5
log2−scaled data
Thioredoxin domain−containing protein 12

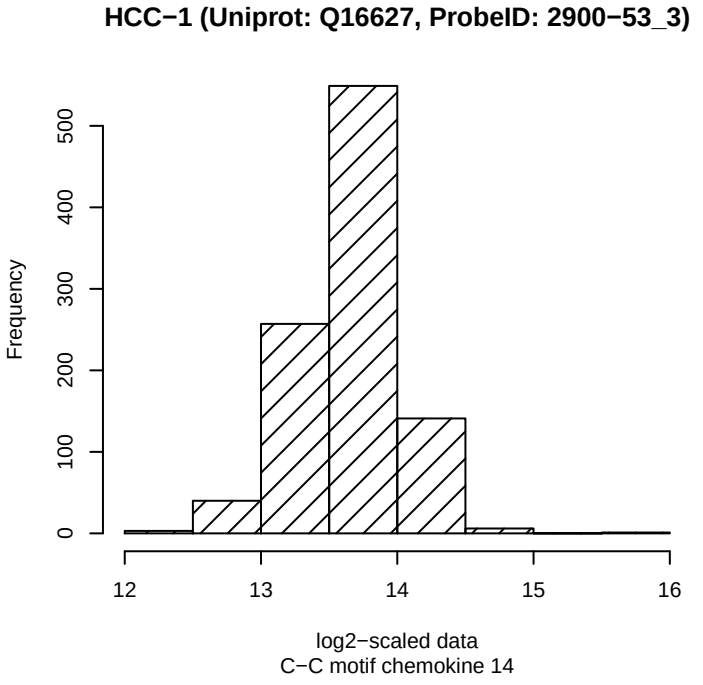

TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
log2−scaled data
9.5
10.0
10.5
11.0
11.5
12.0
12.5
T/T (803)
T/C (184)
C/C (10)
rs4688759 (Chr3:50008118)
Locus 91 top sentinel (TRANS), p=1.4e−39, FC=1.2655

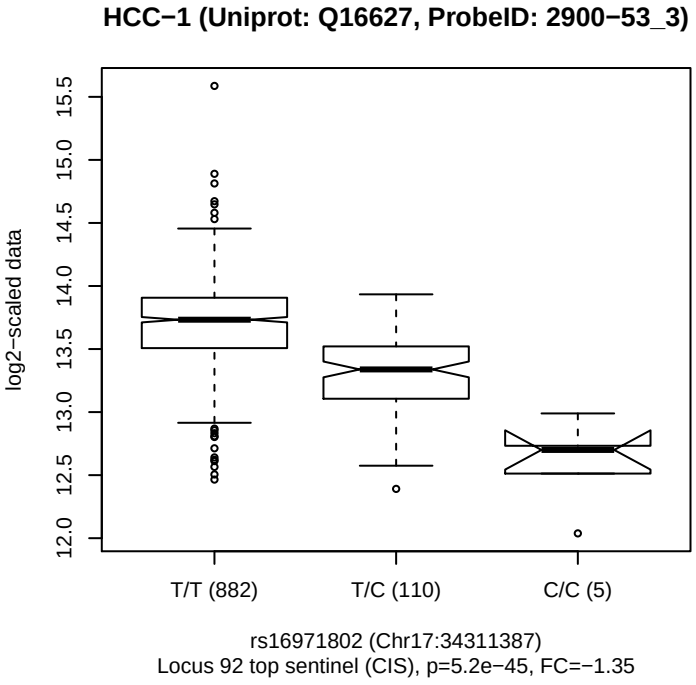

TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Thioredoxin domain−containing protein 12

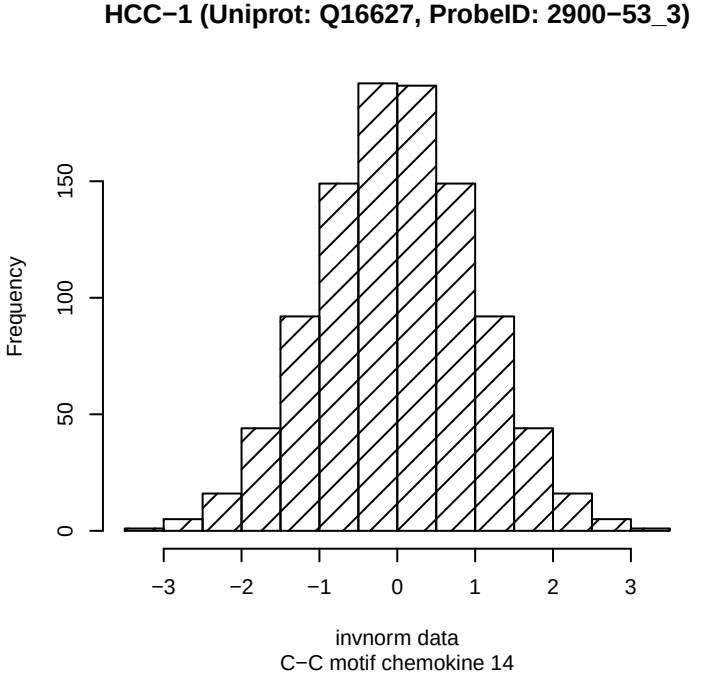

TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
invnorm data
−3
−2
−1
0
1
2
3
T/T (803)
T/C (184)
C/C (10)
rs4688759 (Chr3:50008118)
Locus 91 top sentinel (TRANS), p=1.8e−42

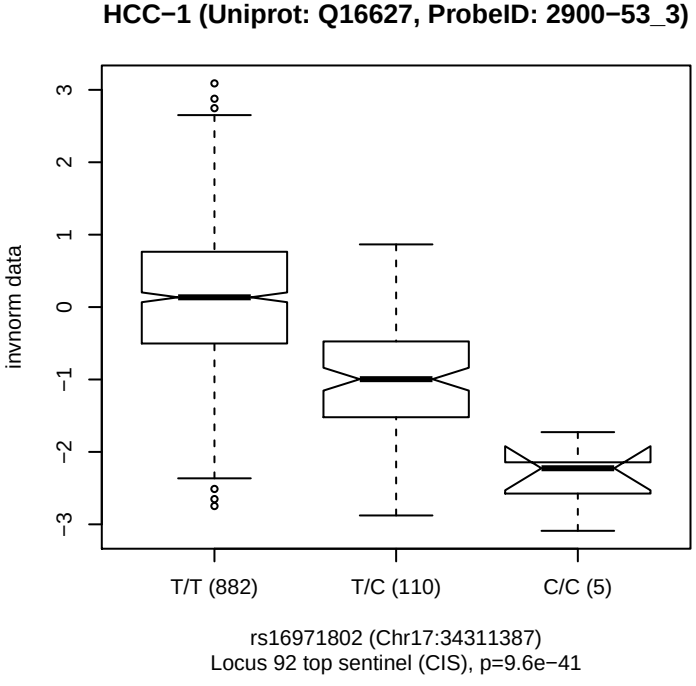

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
Frequency
0
100
200
300
400
500
600
0
10000
20000
30000
40000
50000
raw data
C−C motif chemokine 14


HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
raw data
10000
20000
30000
40000
50000
T/T (882)
T/C (110)
C/C (5)
rs16971802 (Chr17:34311387)
Locus 92 top sentinel (CIS), p=2e−32

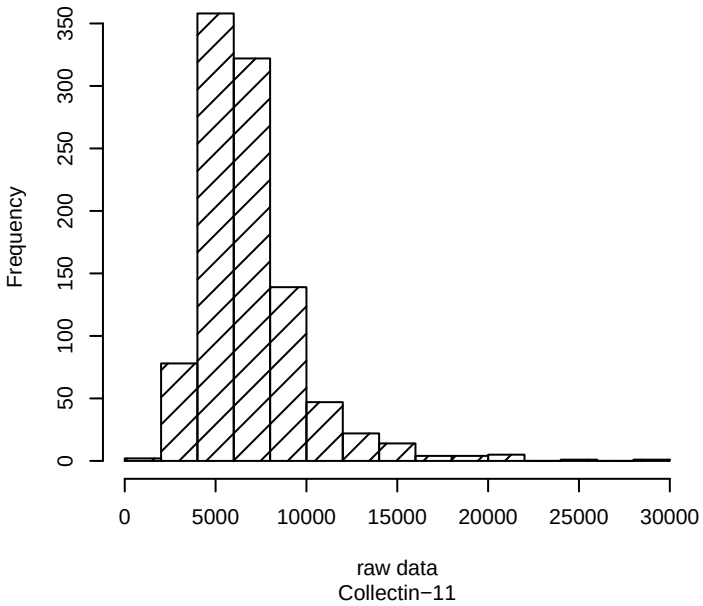

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
Frequency
0
100
200
300
400
500
12
13
14
15
16
log2−scaled data
C−C motif chemokine 14


HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
log2−scaled data
12.0
12.5
13.0
13.5
14.0
14.5
15.0
15.5
T/T (882)
T/C (110)
C/C (5)
rs16971802 (Chr17:34311387)
Locus 92 top sentinel (CIS), p=5.2e−45, FC=−1.35

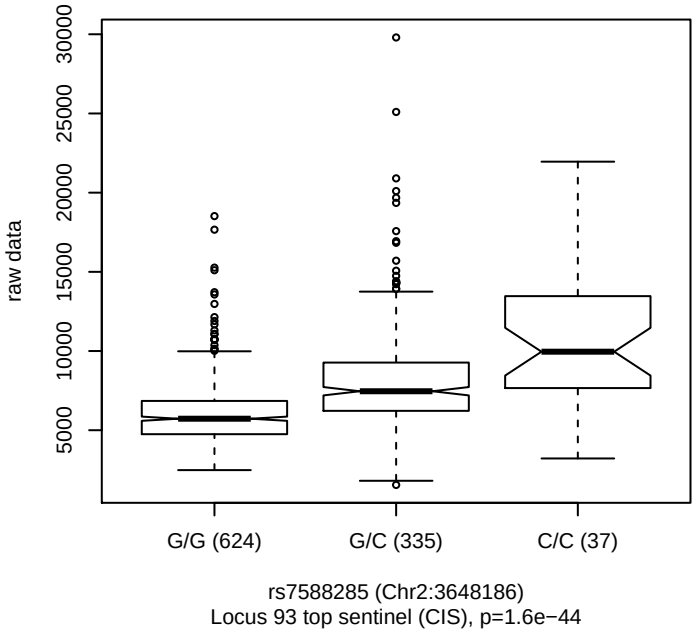

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 14


HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
invnorm data
−3
−2
−1
0
1
2
3
T/T (882)
T/C (110)
C/C (5)
rs16971802 (Chr17:34311387)
Locus 92 top sentinel (CIS), p=9.6e−41

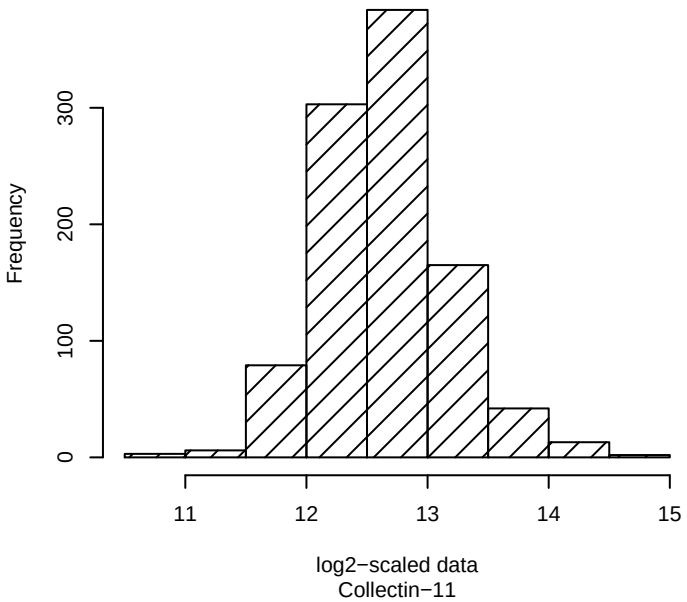
**Collectin Kidney 1 (Uniprot: Q9BWP8, ProbeID: 4430−44_**



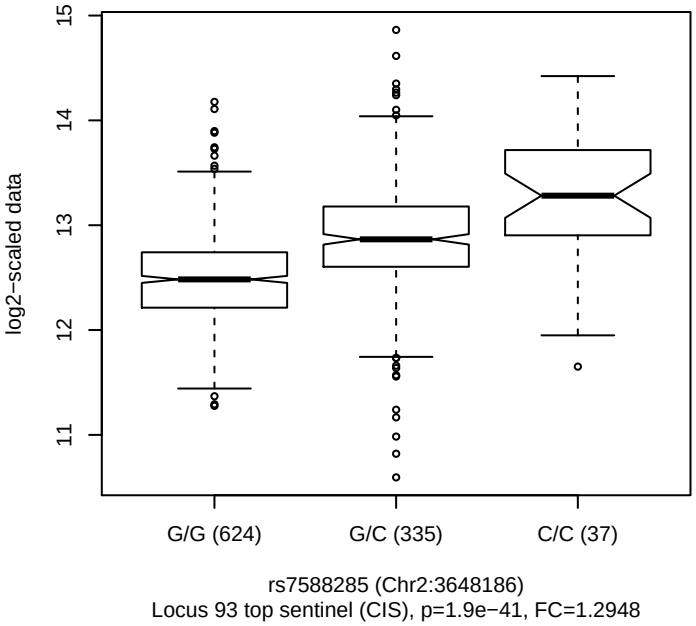

**Collectin Kidney 1 (Uniprot: Q9BWP8, ProbeID: 4430−44_**



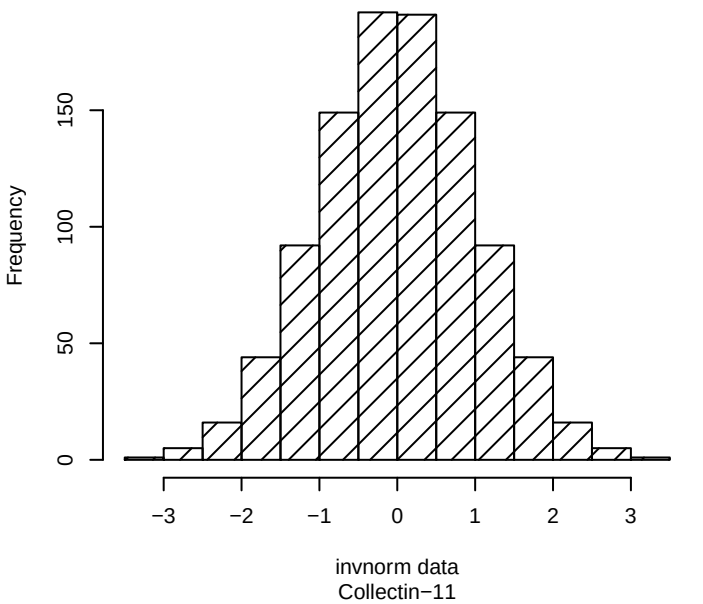

**Collectin Kidney 1 (Uniprot: Q9BWP8, ProbeID: 4430−44_**



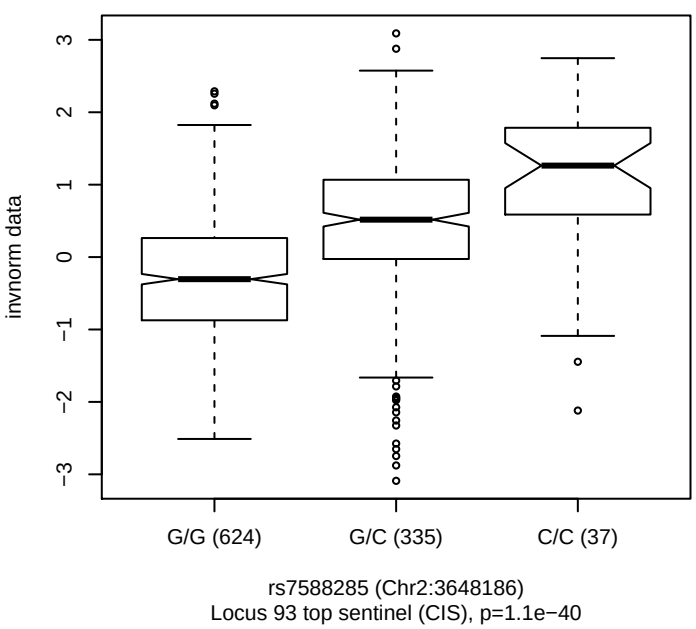

**Collectin Kidney 1 (Uniprot: Q9BWP8, ProbeID: 4430−44_**

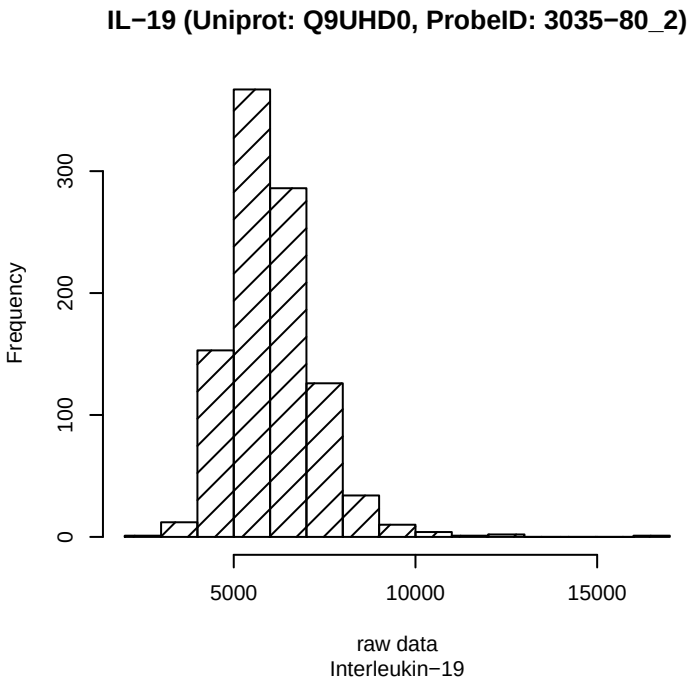


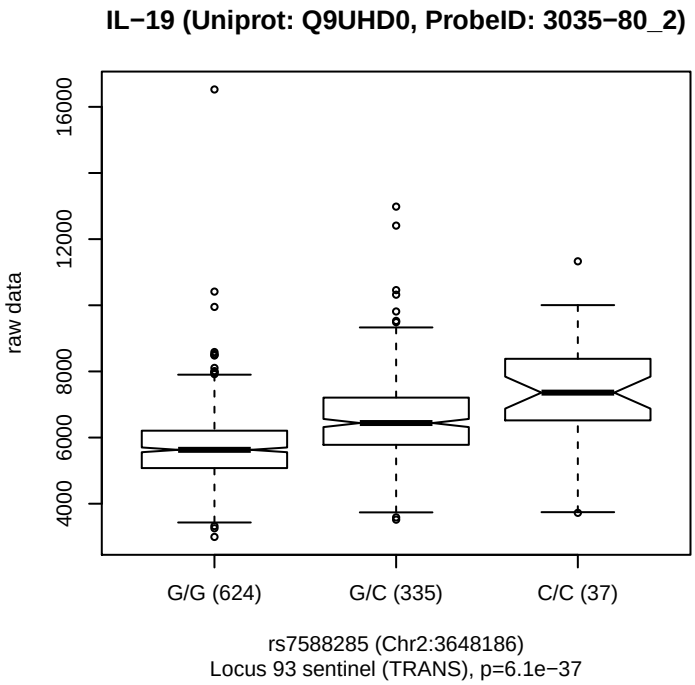

**Collectin Kidney 1 (Uniprot: Q9BWP8, ProbeID: 4430−44_**

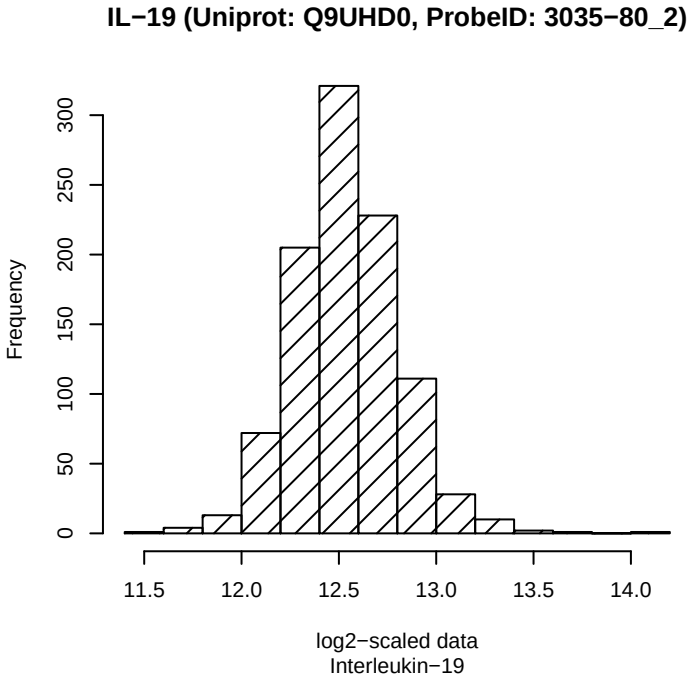


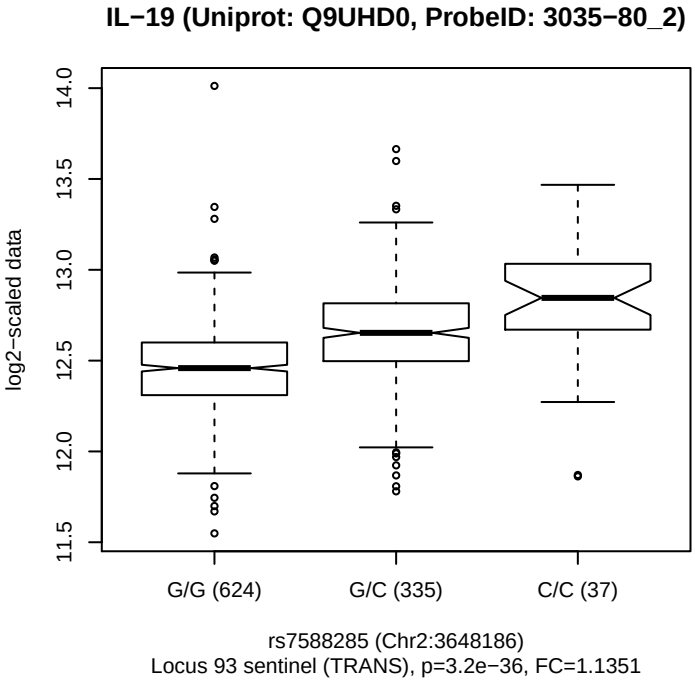

**Collectin Kidney 1 (Uniprot: Q9BWP8, ProbeID: 4430−44_**

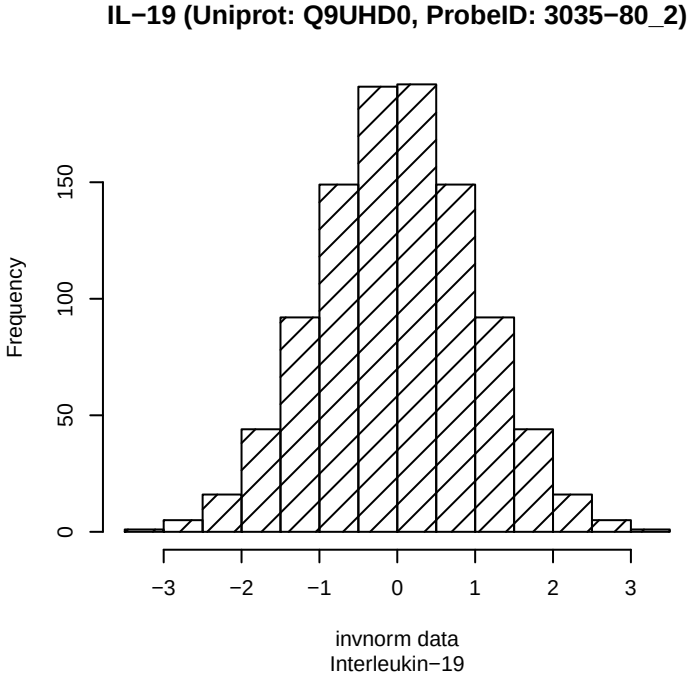


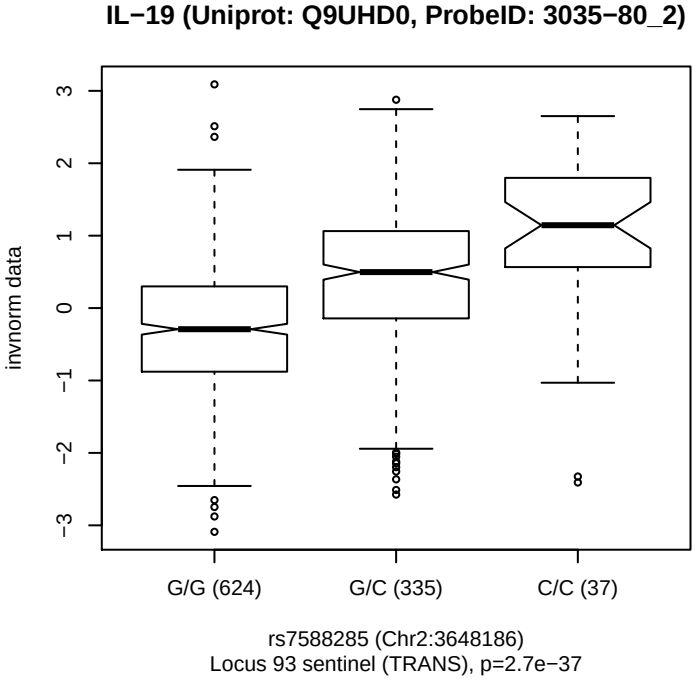

IL−19 (Uniprot: Q9UHD0, ProbeID: 3035−80_2)
Frequency
0
100
200
300
5000
10000
15000
raw data
Interleukin−19

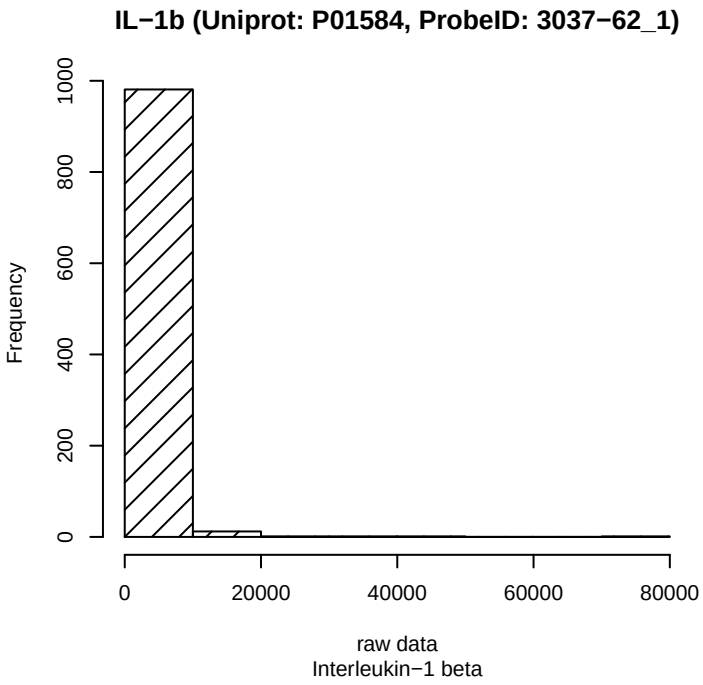

IL−19 (Uniprot: Q9UHD0, ProbeID: 3035−80_2)
raw data
4000
6000
8000
12000
16000
G/G (624)
G/C (335)
C/C (37)
rs7588285 (Chr2:3648186)
Locus 93 sentinel (TRANS), p=6.1e−37

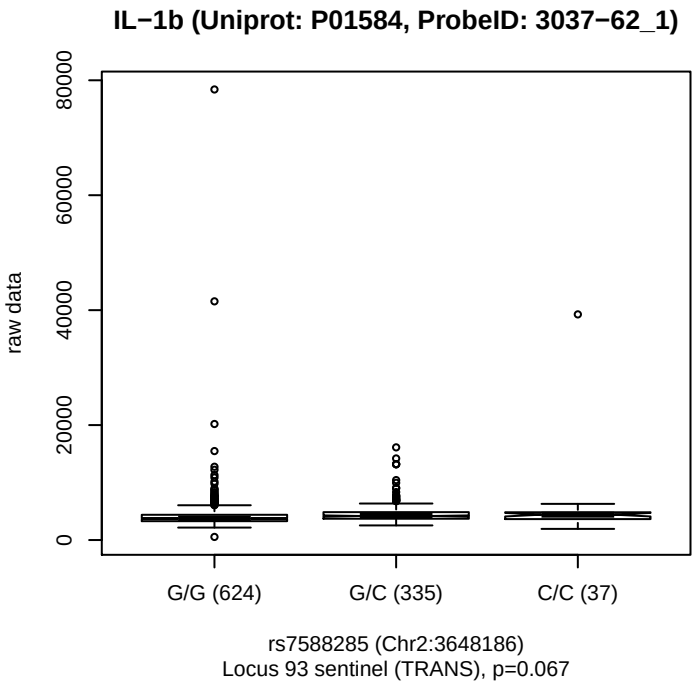

IL−19 (Uniprot: Q9UHD0, ProbeID: 3035−80_2)
Frequency
0
50
100
150
200
250
300
11.5
12.0
12.5
13.0
13.5
14.0
log2−scaled data
Interleukin−19

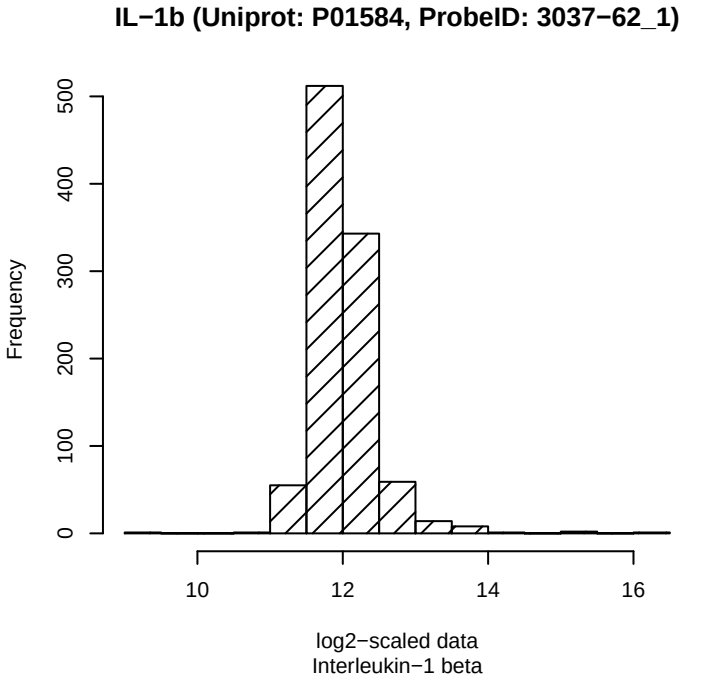

IL−19 (Uniprot: Q9UHD0, ProbeID: 3035−80_2)
log2−scaled data
11.5
12.0
12.5
13.0
13.5
14.0
G/G (624)
G/C (335)
C/C (37)
rs7588285 (Chr2:3648186)
Locus 93 sentinel (TRANS), p=3.2e−36, FC=1.1351

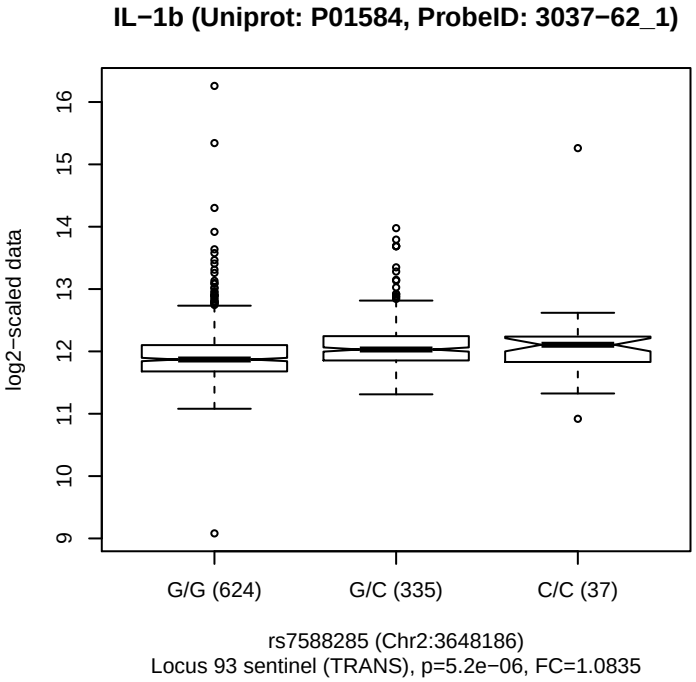

IL−19 (Uniprot: Q9UHD0, ProbeID: 3035−80_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−19

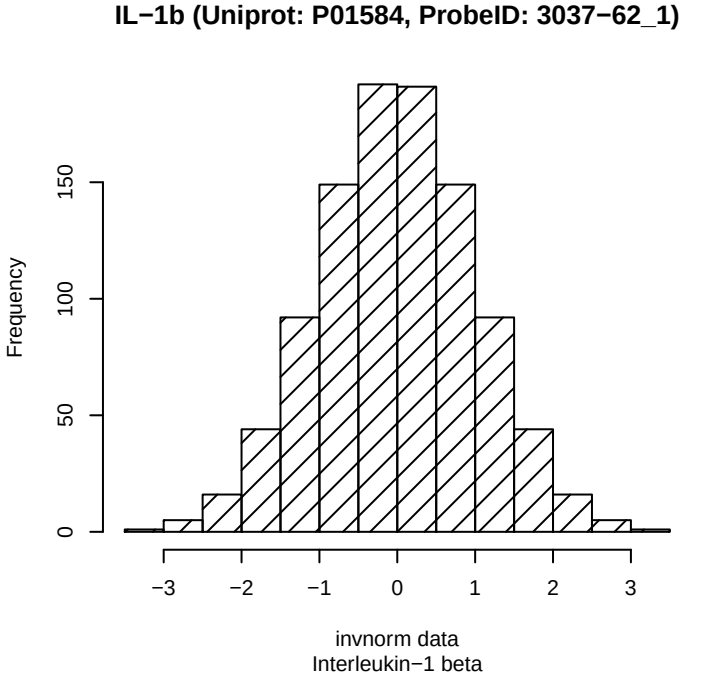

IL−19 (Uniprot: Q9UHD0, ProbeID: 3035−80_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (624)
G/C (335)
C/C (37)
rs7588285 (Chr2:3648186)
Locus 93 sentinel (TRANS), p=2.7e−37

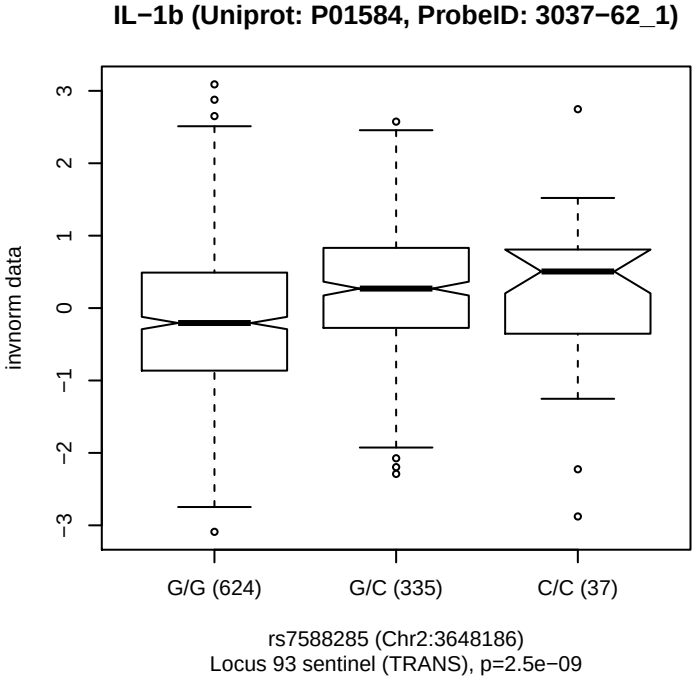

IL−1b (Uniprot: P01584, ProbeID: 3037−62_1)
Frequency
0
200
400
600
800
1000
0
20000
40000
60000
80000
raw data
Interleukin−1 beta

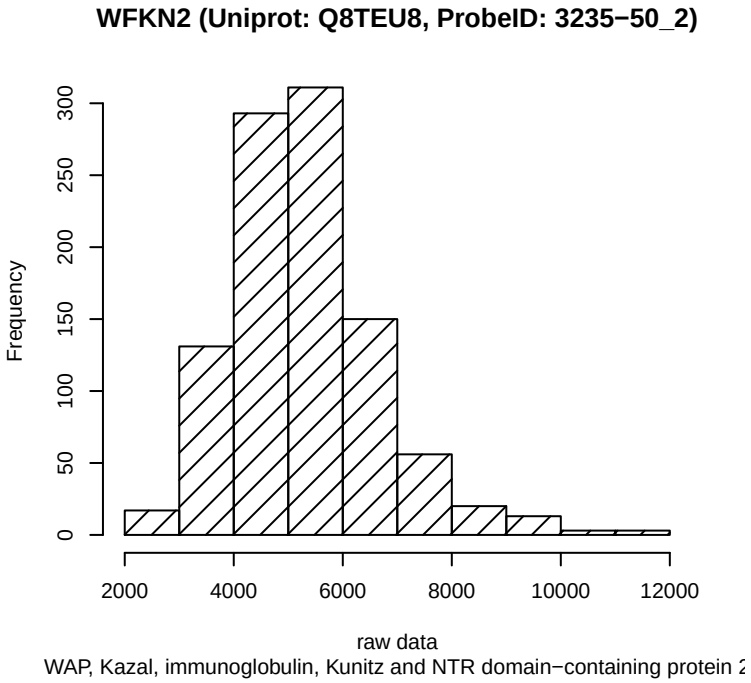

IL−1b (Uniprot: P01584, ProbeID: 3037−62_1)
raw data
0
20000
40000
60000
80000
G/G (624)
G/C (335)
C/C (37)
rs7588285 (Chr2:3648186)
Locus 93 sentinel (TRANS), p=0.067

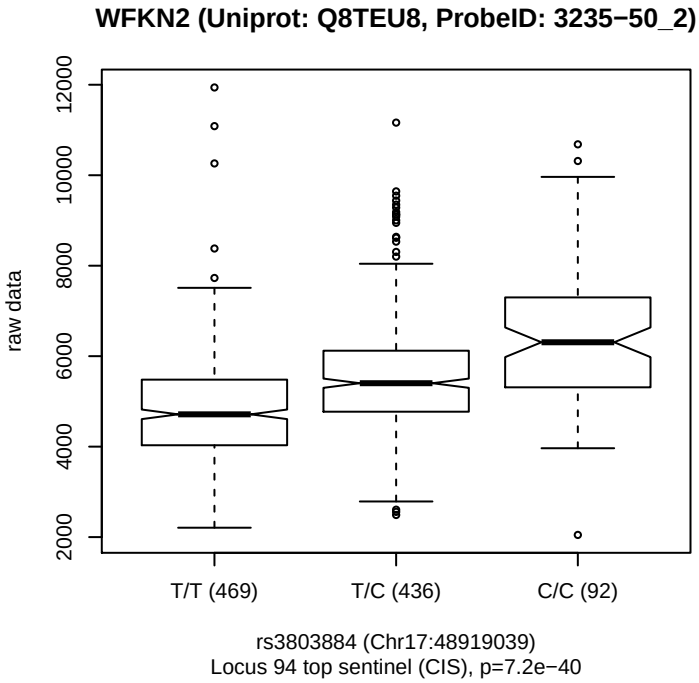

IL−1b (Uniprot: P01584, ProbeID: 3037−62_1)
Frequency
0
100
200
300
400
500
10
12
14
16
log2−scaled data
Interleukin−1 beta

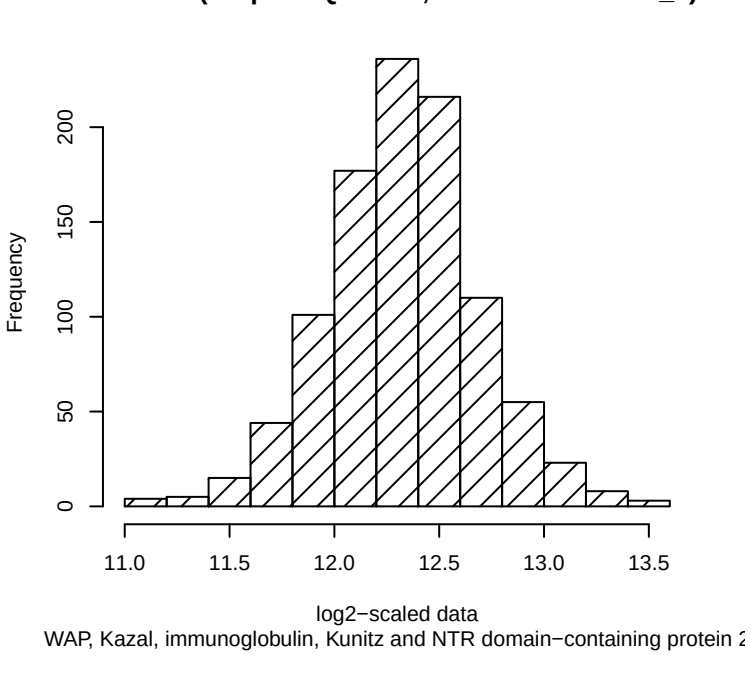

IL−1b (Uniprot: P01584, ProbeID: 3037−62_1)
log2−scaled data
9
10
11
12
13
14
15
16
G/G (624)
G/C (335)
C/C (37)
rs7588285 (Chr2:3648186)
Locus 93 sentinel (TRANS), p=5.2e−06, FC=1.0835

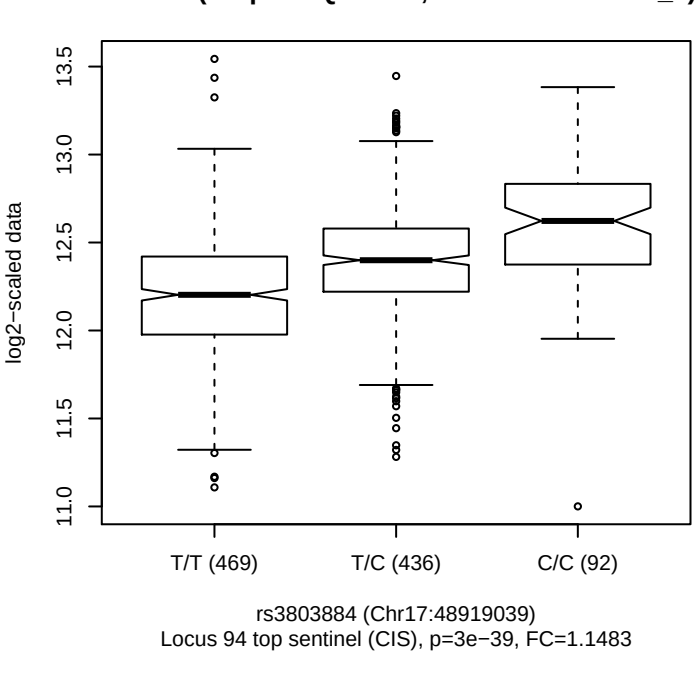

IL−1b (Uniprot: P01584, ProbeID: 3037−62_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−1 beta

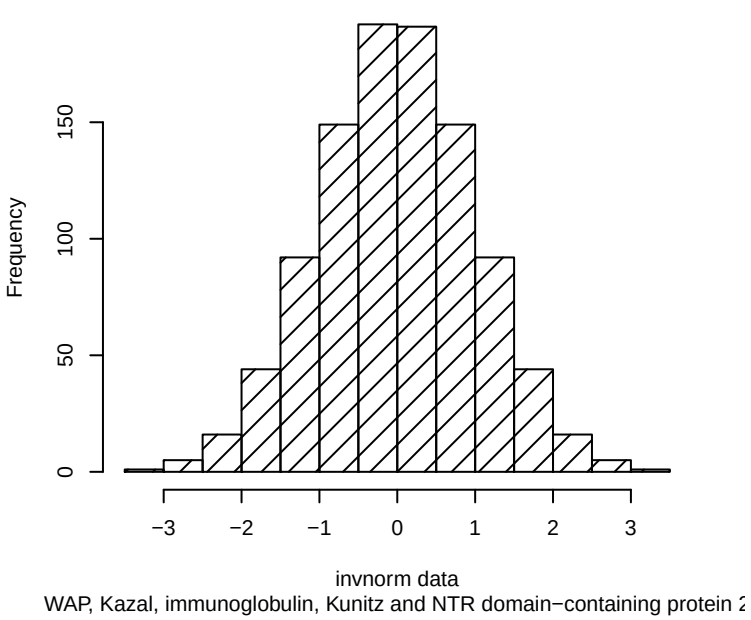

IL−1b (Uniprot: P01584, ProbeID: 3037−62_1)
invnorm data
−3
−2
−1
0
1
2
3
G/G (624)
G/C (335)
C/C (37)
rs7588285 (Chr2:3648186)
Locus 93 sentinel (TRANS), p=2.5e−09

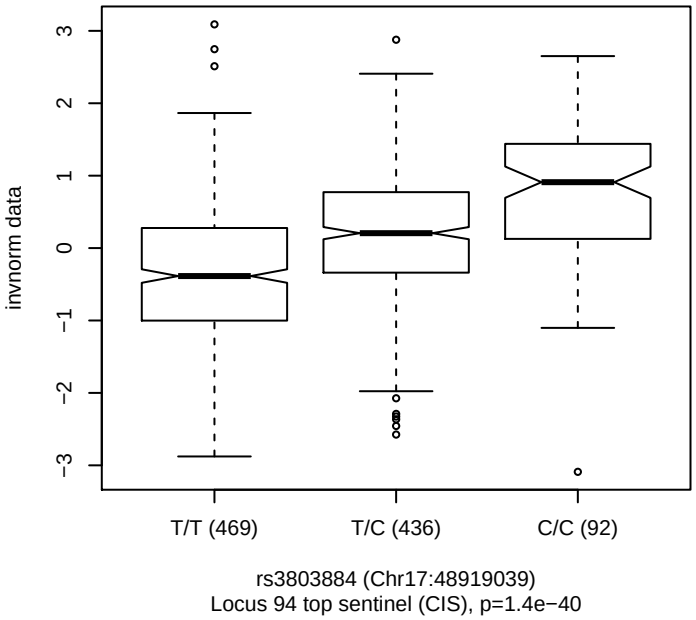

WFKN2 (Uniprot: Q8TEU8, ProbeID: 3235−50_2)
Frequency
0
50
100
150
200
250
300
2000
4000
6000
8000
10000
12000
raw data
WAP, Kazal, immunoglobulin, Kunitz and NTR domain−containing protein 2

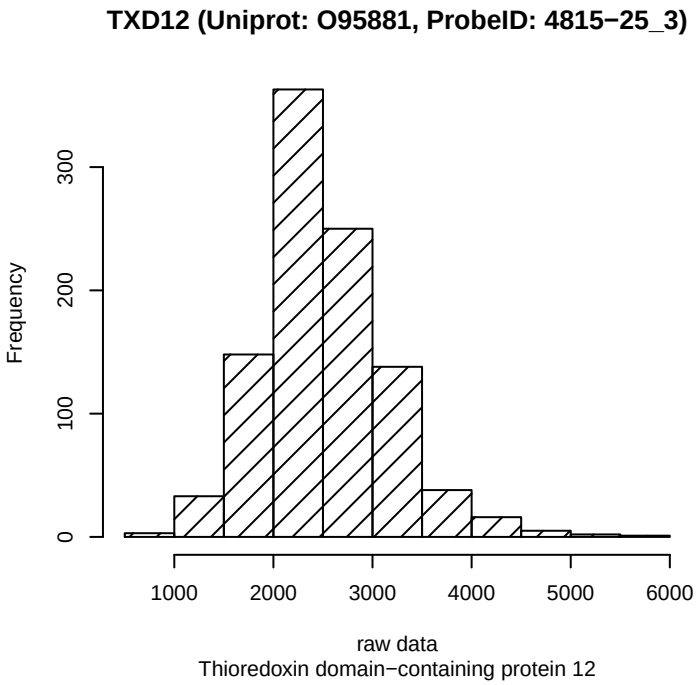

WFKN2 (Uniprot: Q8TEU8, ProbeID: 3235−50_2)
raw data
2000
4000
6000
8000
10000
12000
T/T (469)
T/C (436)
C/C (92)
rs3803884 (Chr17:48919039)
Locus 94 top sentinel (CIS), p=7.2e−40

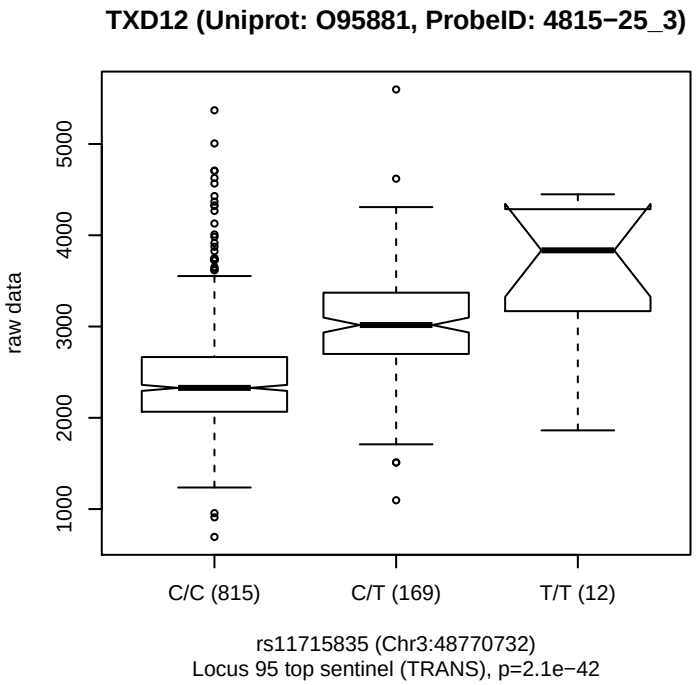

WFKN2 (Uniprot: Q8TEU8, ProbeID: 3235−50_2)
Frequency
0
50
100
150
200
11.0
11.5
12.0
12.5
13.0
13.5
log2−scaled data
WAP, Kazal, immunoglobulin, Kunitz and NTR domain−containing protein 2

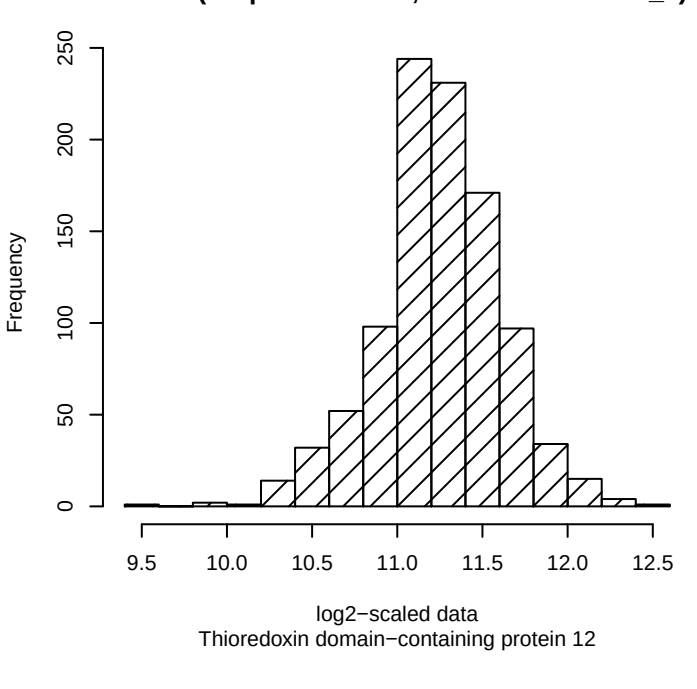

WFKN2 (Uniprot: Q8TEU8, ProbeID: 3235−50_2)
log2−scaled data
11.0
11.5
12.0
12.5
13.0
13.5
T/T (469)
T/C (436)
C/C (92)
rs3803884 (Chr17:48919039)
Locus 94 top sentinel (CIS), p=3e−39, FC=1.1483

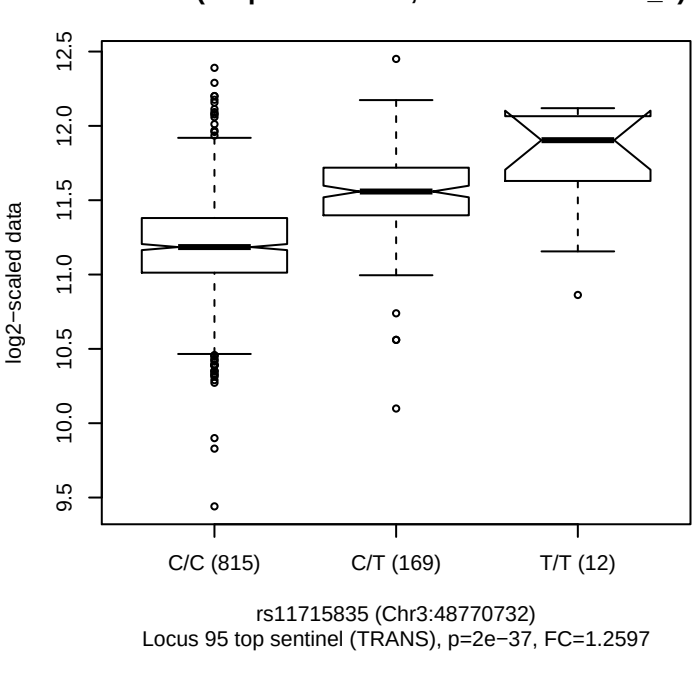

WFKN2 (Uniprot: Q8TEU8, ProbeID: 3235−50_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
WAP, Kazal, immunoglobulin, Kunitz and NTR domain−containing protein 2

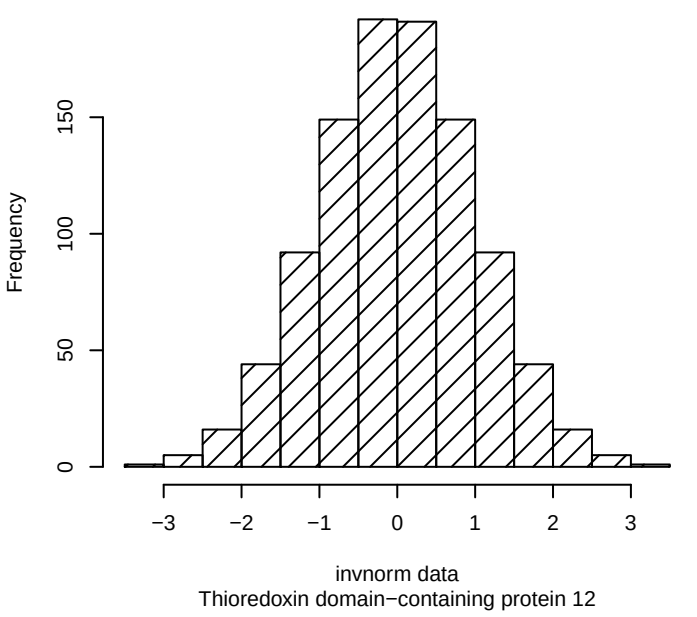

WFKN2 (Uniprot: Q8TEU8, ProbeID: 3235−50_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (469)
T/C (436)
C/C (92)
rs3803884 (Chr17:48919039)
Locus 94 top sentinel (CIS), p=1.4e−40

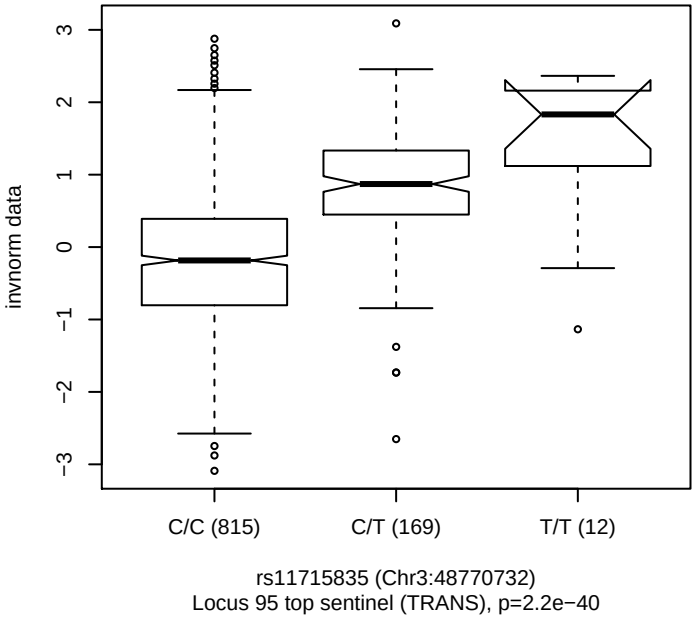

TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
Frequency
0
100
200
300
1000
2000
3000
4000
5000
6000
raw data
Thioredoxin domain−containing protein 12


TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
raw data
1000
2000
3000
4000
5000
C/C (815)
C/T (169)
T/T (12)
rs11715835 (Chr3:48770732)
Locus 95 top sentinel (TRANS), p=2.1e−42

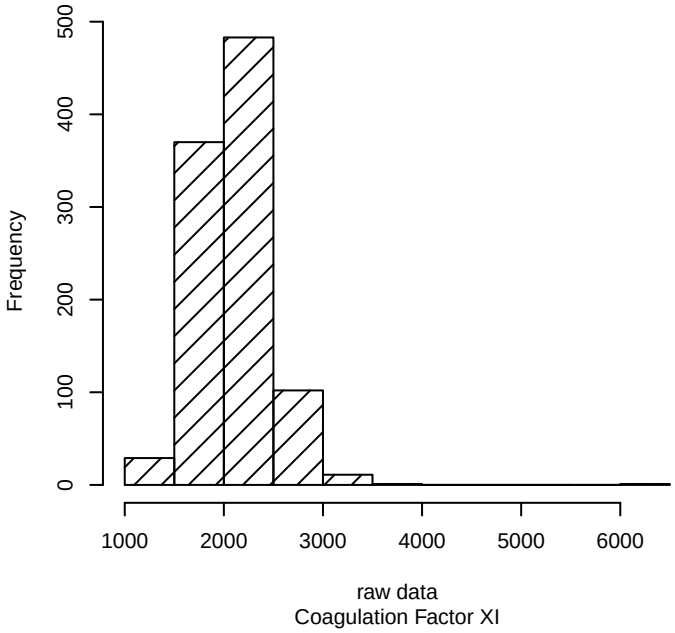

TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
Frequency
0
50
100
150
200
250
9.5
10.0
10.5
11.0
11.5
12.0
12.5
log2−scaled data
Thioredoxin domain−containing protein 12


TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
log2−scaled data
9.5
10.0
10.5
11.0
11.5
12.0
12.5
C/C (815)
C/T (169)
T/T (12)
rs11715835 (Chr3:48770732)
Locus 95 top sentinel (TRANS), p=2e−37, FC=1.2597

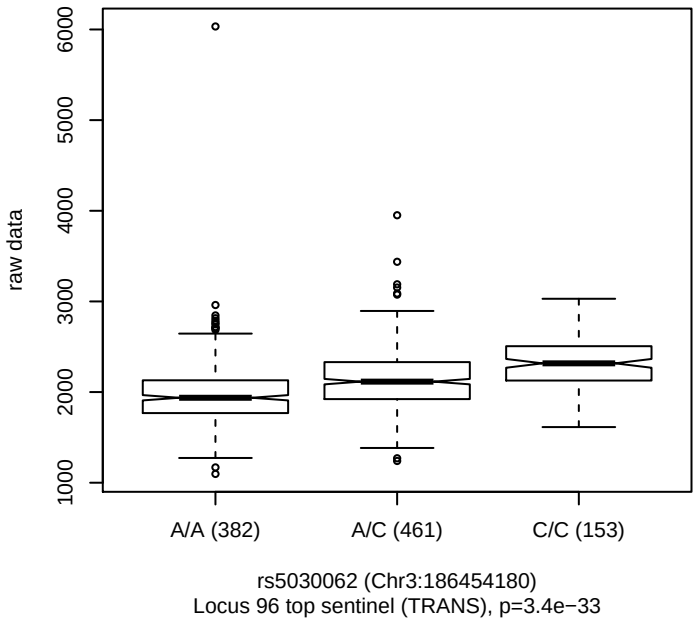

TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Thioredoxin domain−containing protein 12


TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
invnorm data
−3
−2
−1
0
1
2
3
C/C (815)
C/T (169)
T/T (12)
rs11715835 (Chr3:48770732)
Locus 95 top sentinel (TRANS), p=2.2e−40

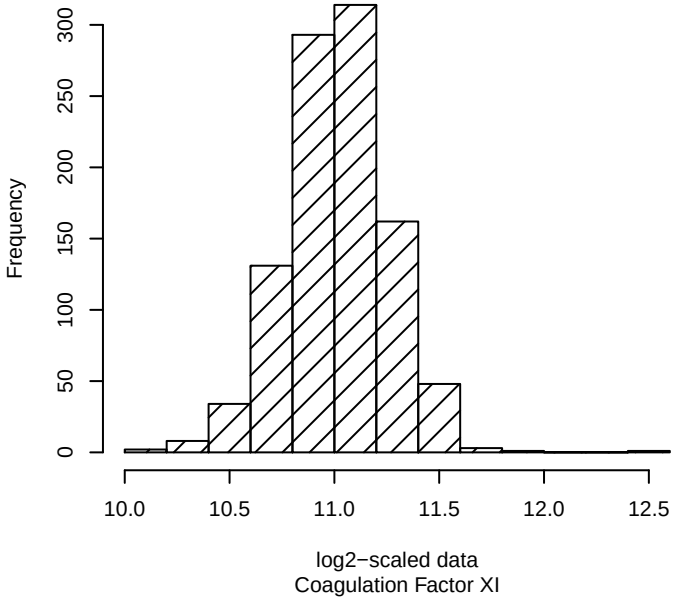
**Coagulation Factor XI (Uniprot: P03951, ProbeID: 2190−55**



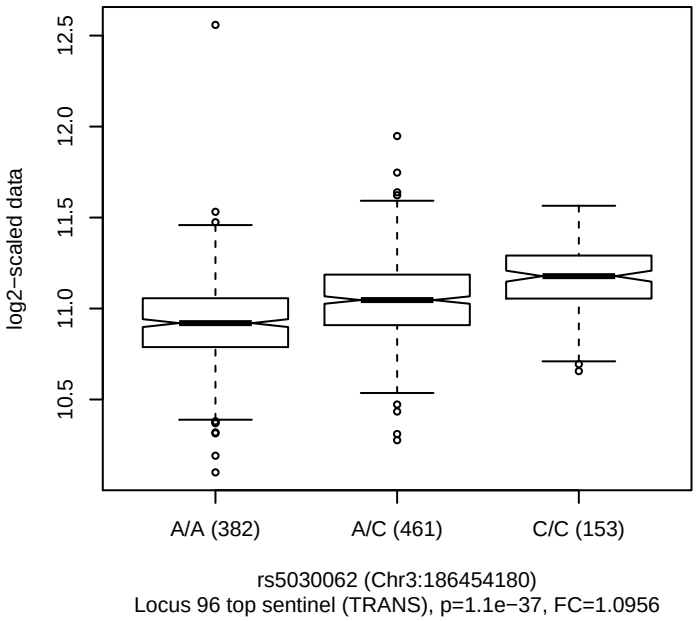

**Coagulation Factor XI (Uniprot: P03951, ProbeID: 2190−55**



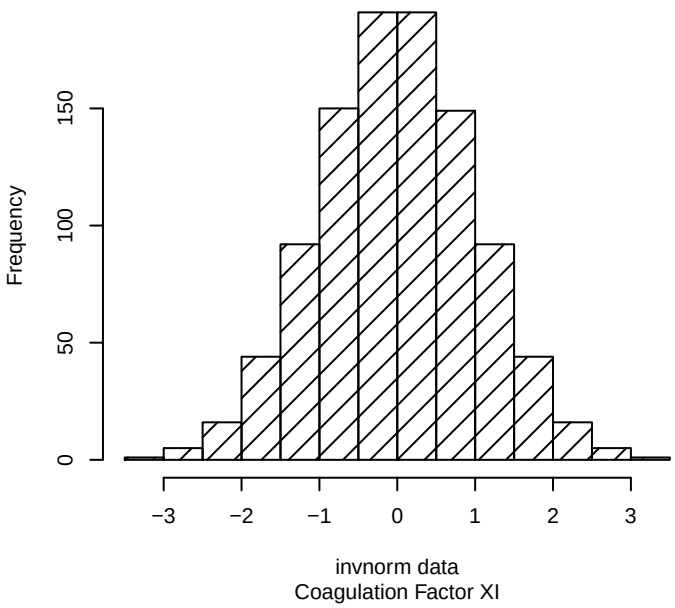

**Coagulation Factor XI (Uniprot: P03951, ProbeID: 2190−55**



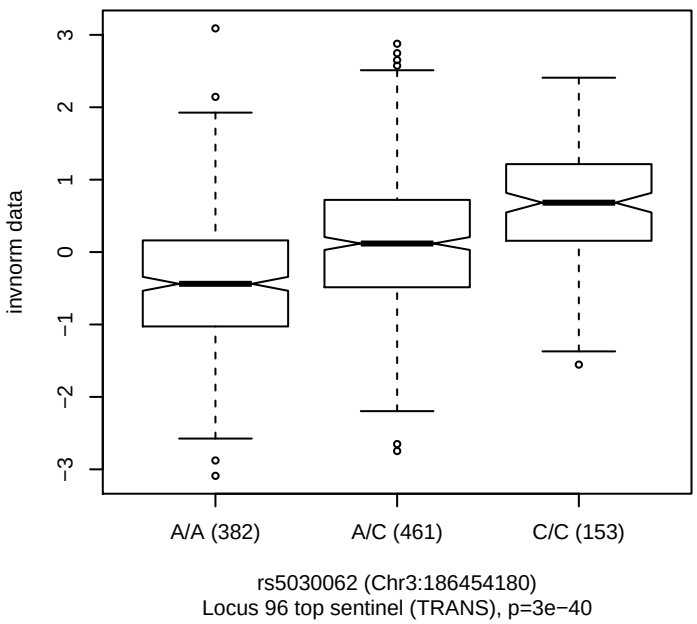

**Coagulation Factor XI (Uniprot: P03951, ProbeID: 2190−55**



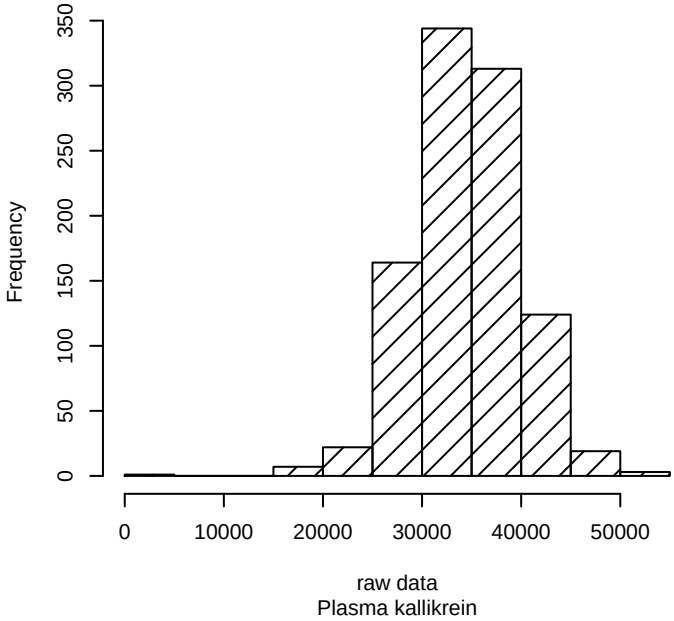

**Coagulation Factor XI (Uniprot: P03951, ProbeID: 2190−55**



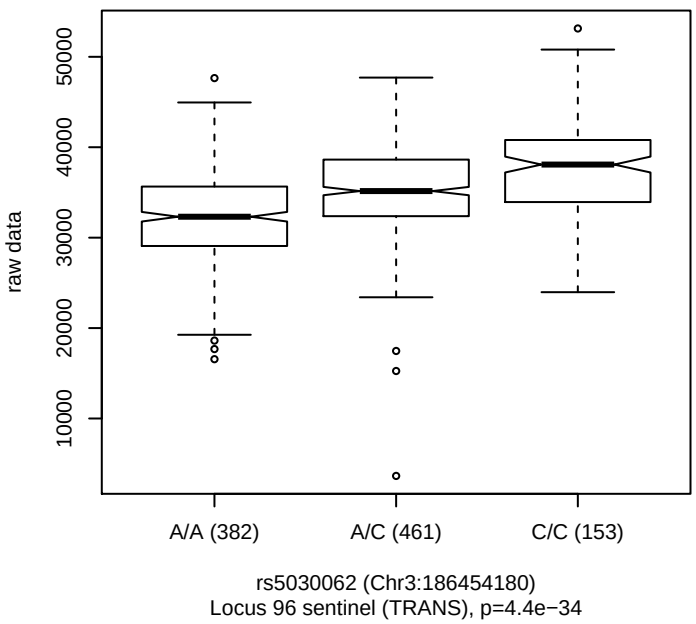

**Coagulation Factor XI (Uniprot: P03951, ProbeID: 2190−55**



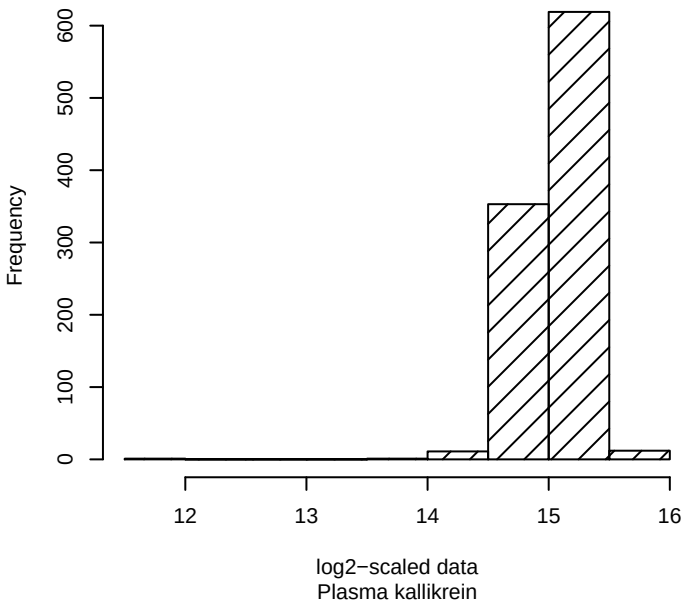
**Prekallikrein (Uniprot: P03952, ProbeID: 4152−58_2)**



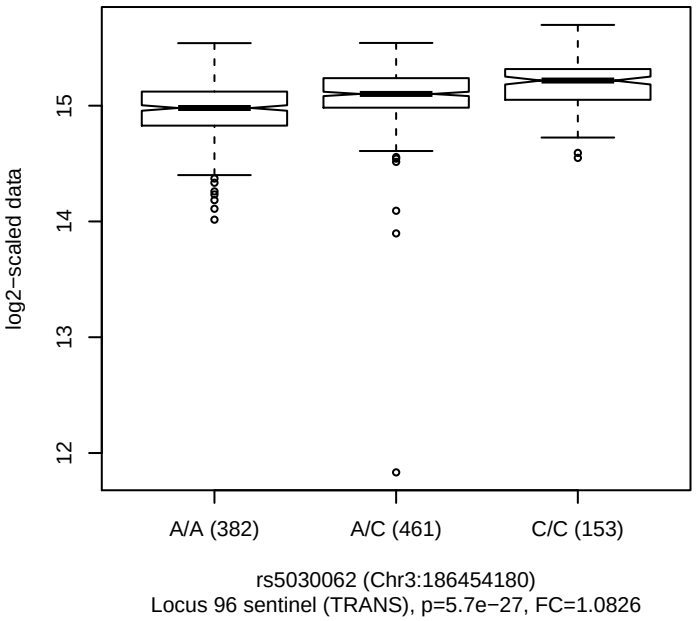

**Prekallikrein (Uniprot: P03952, ProbeID: 4152−58_2)**



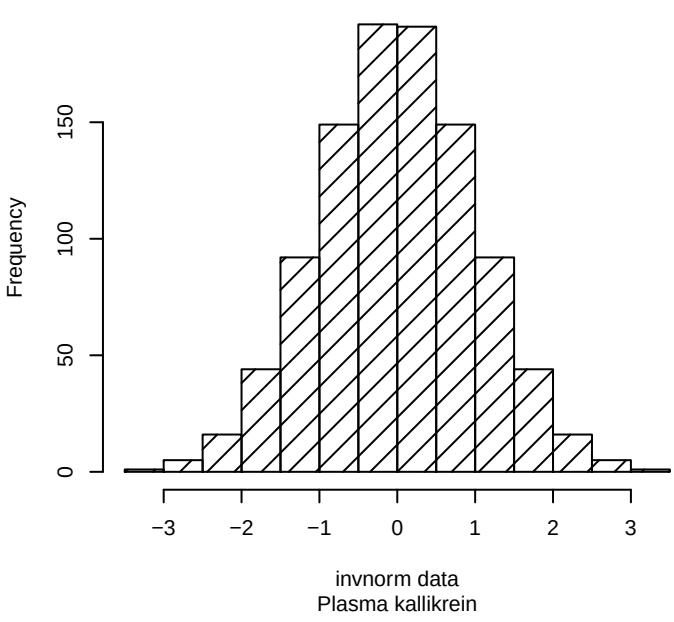

**Prekallikrein (Uniprot: P03952, ProbeID: 4152−58_2)**



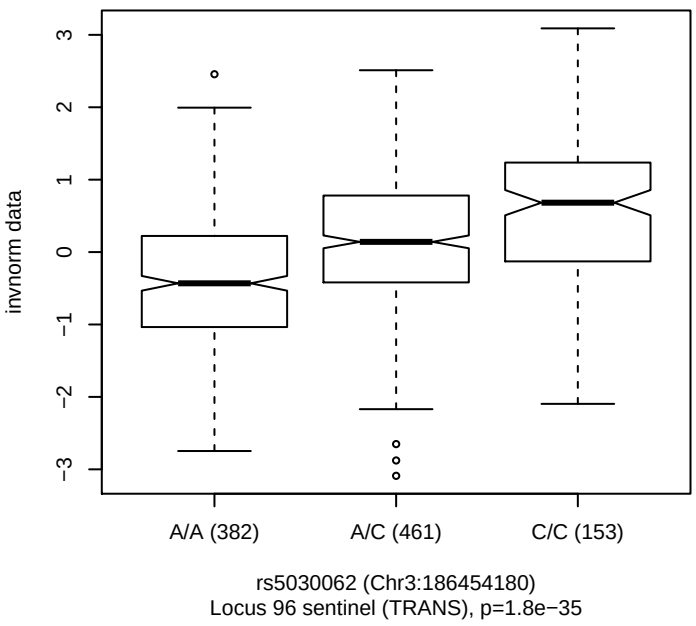

**Prekallikrein (Uniprot: P03952, ProbeID: 4152−58_2)**

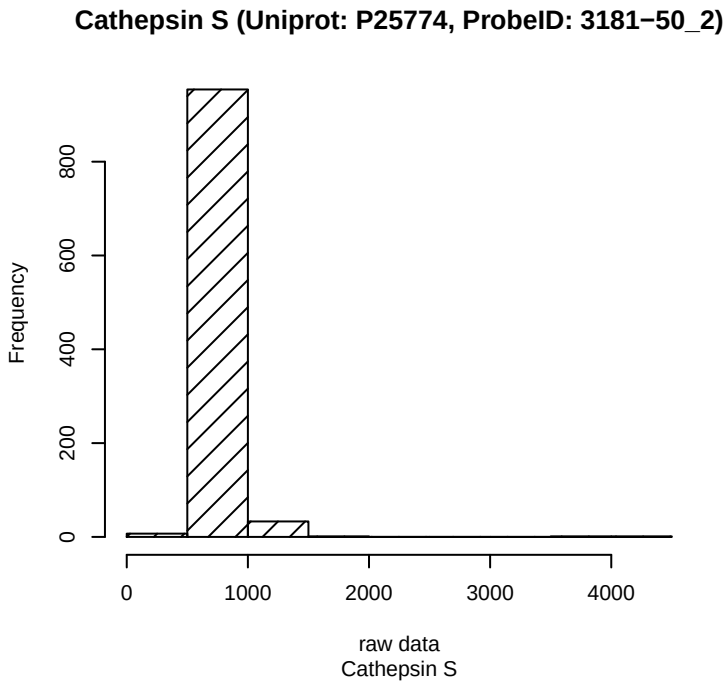


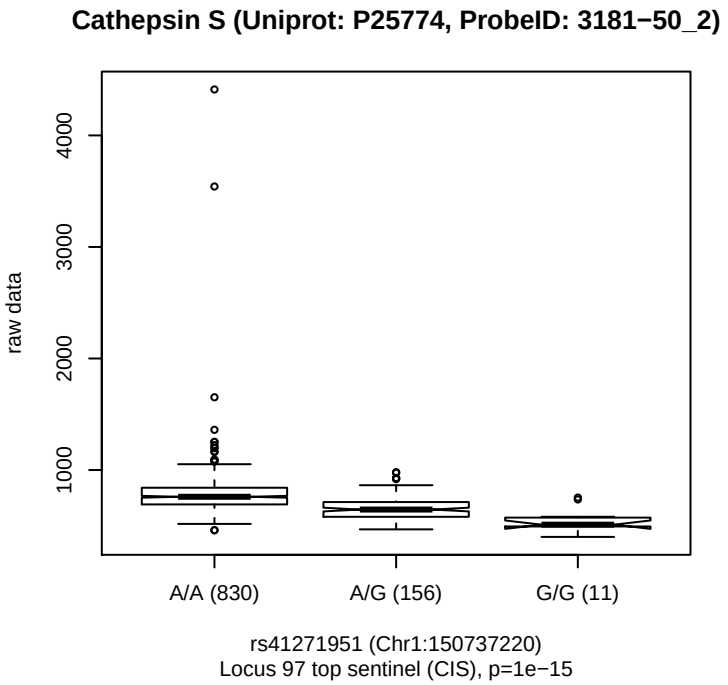

**Prekallikrein (Uniprot: P03952, ProbeID: 4152−58_2)**

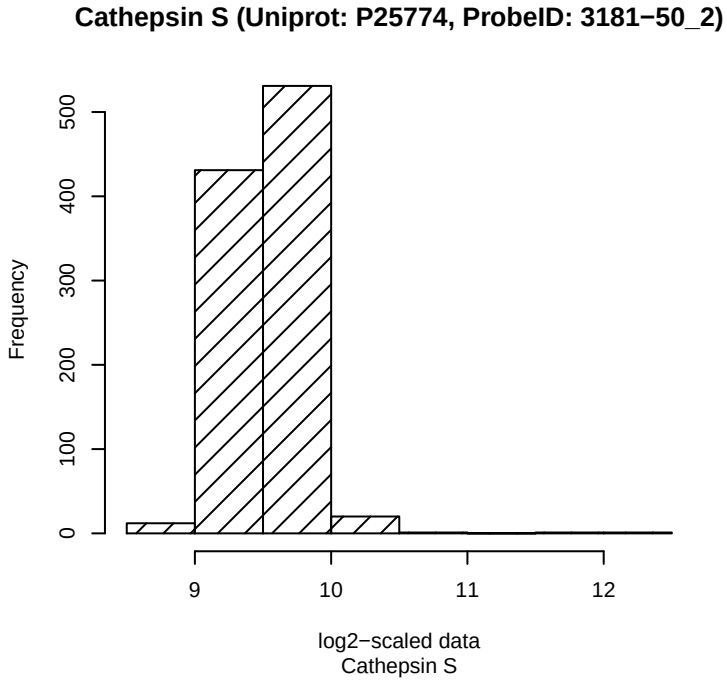


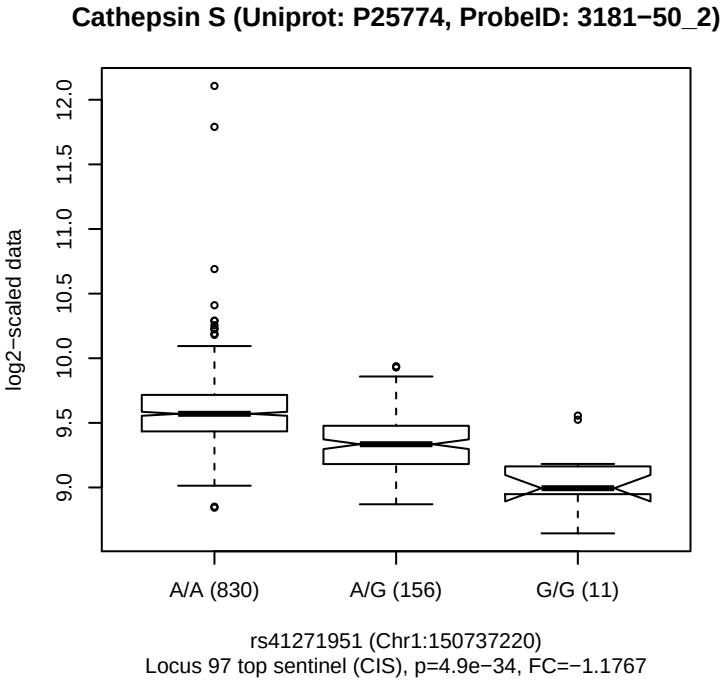

**Prekallikrein (Uniprot: P03952, ProbeID: 4152−58_2)**

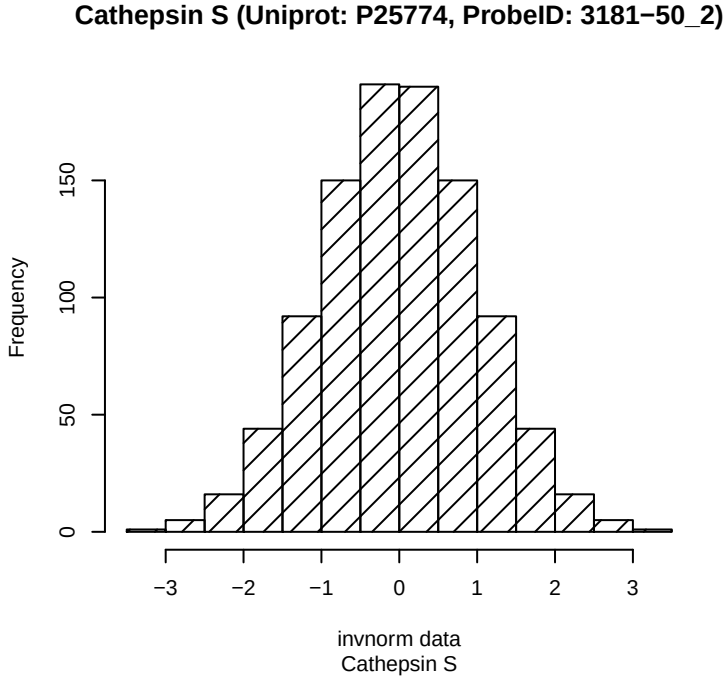


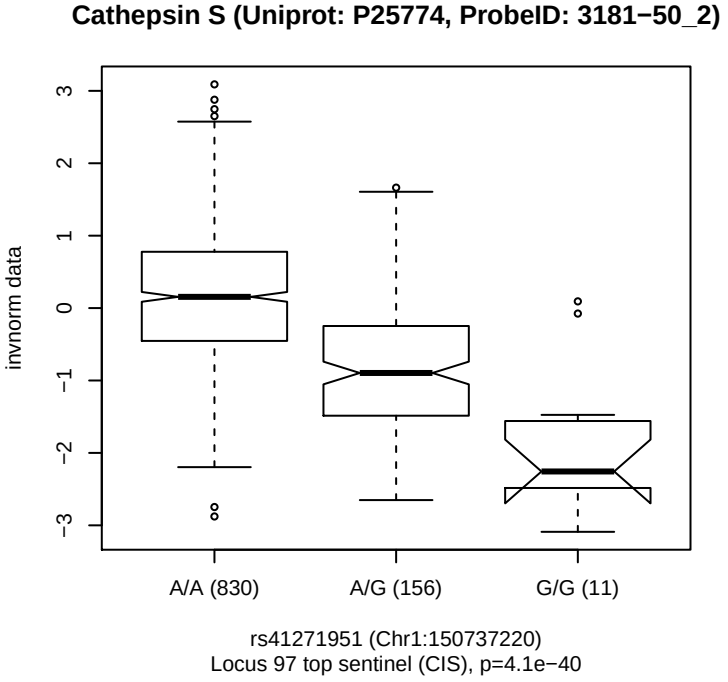

Cathepsin S (Uniprot: P25774, ProbeID: 3181−50_2)
Frequency
0
200
400
600
800
0
1000
2000
3000
4000
raw data
Cathepsin S

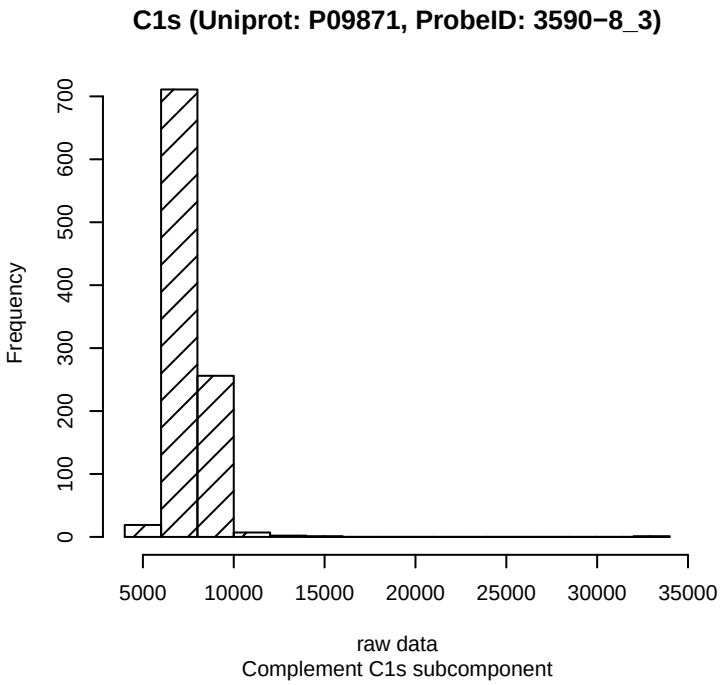

Cathepsin S (Uniprot: P25774, ProbeID: 3181−50_2)
raw data
1000
2000
3000
4000
A/A (830)
A/G (156)
G/G (11)
rs41271951 (Chr1:150737220)
Locus 97 top sentinel (CIS), p=1e−15

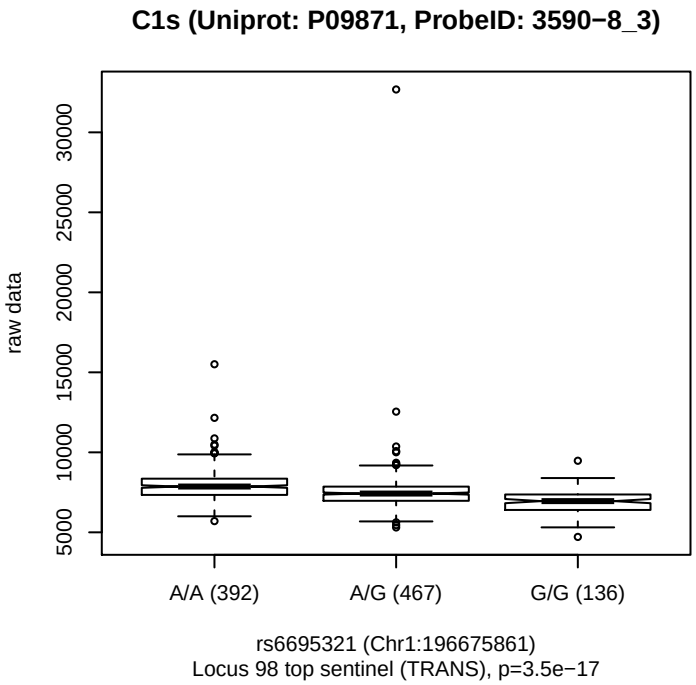

Cathepsin S (Uniprot: P25774, ProbeID: 3181−50_2)
Frequency
0
100
200
300
400
500
9
10
11
12
log2−scaled data
Cathepsin S

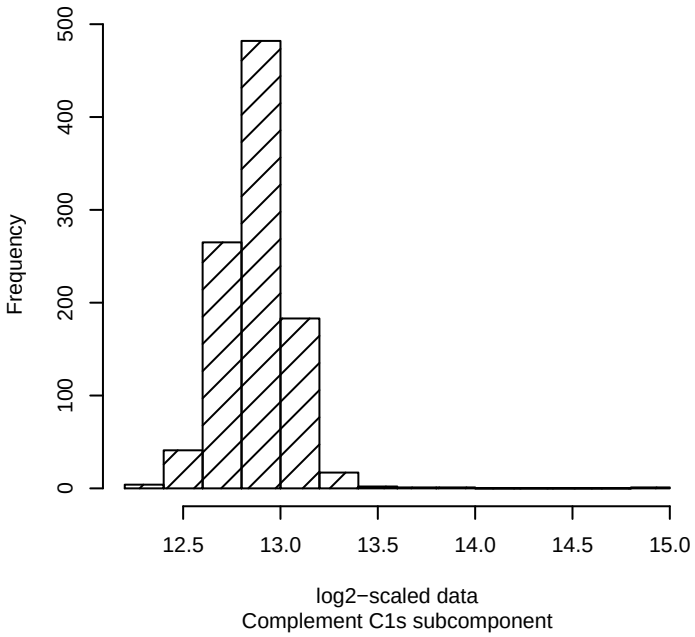

Cathepsin S (Uniprot: P25774, ProbeID: 3181−50_2)
log2−scaled data
9.0
9.5
10.0
10.5
11.0
11.5
12.0
A/A (830)
A/G (156)
G/G (11)
rs41271951 (Chr1:150737220)
Locus 97 top sentinel (CIS), p=4.9e−34, FC=−1.1767

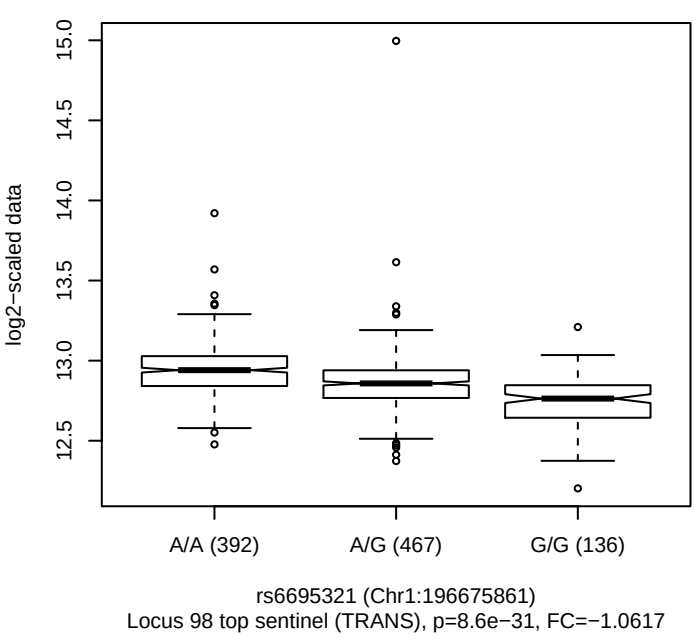

Cathepsin S (Uniprot: P25774, ProbeID: 3181−50_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Cathepsin S

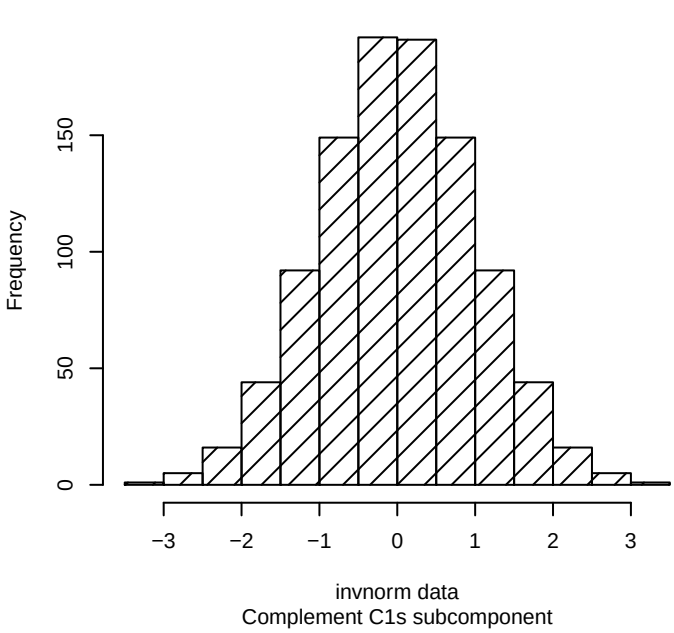

Cathepsin S (Uniprot: P25774, ProbeID: 3181−50_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (830)
A/G (156)
G/G (11)
rs41271951 (Chr1:150737220)
Locus 97 top sentinel (CIS), p=4.1e−40

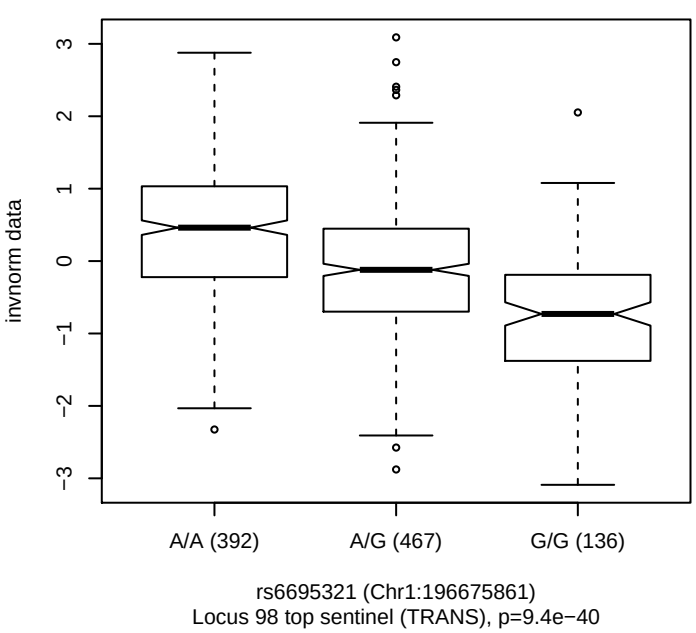

C1s (Uniprot: P09871, ProbeID: 3590−8_3)
Frequency
0
100
200
300
400
500
600
700
5000
10000
15000
20000
25000
30000
35000
raw data
Complement C1s subcomponent

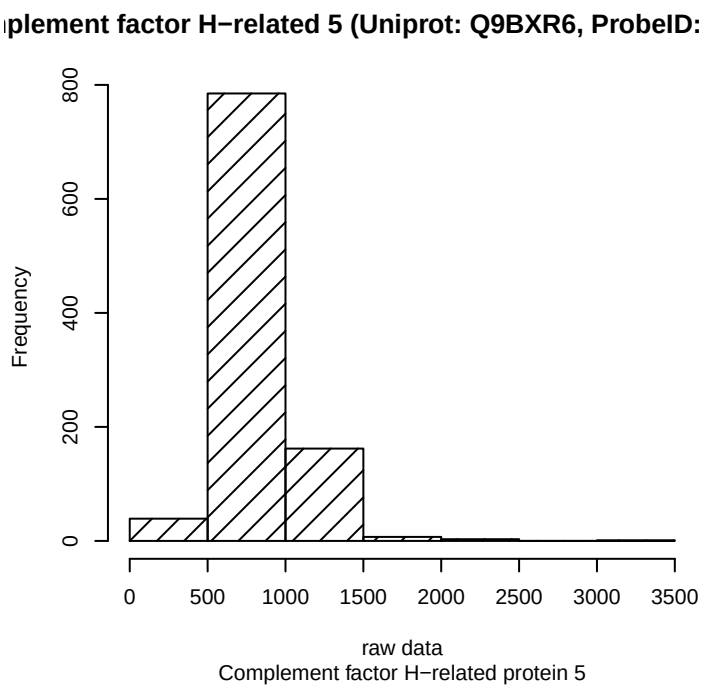

C1s (Uniprot: P09871, ProbeID: 3590−8_3)
raw data
5000
10000
15000
20000
25000
30000
A/A (392)
A/G (467)
G/G (136)
rs6695321 (Chr1:196675861)
Locus 98 top sentinel (TRANS), p=3.5e−17

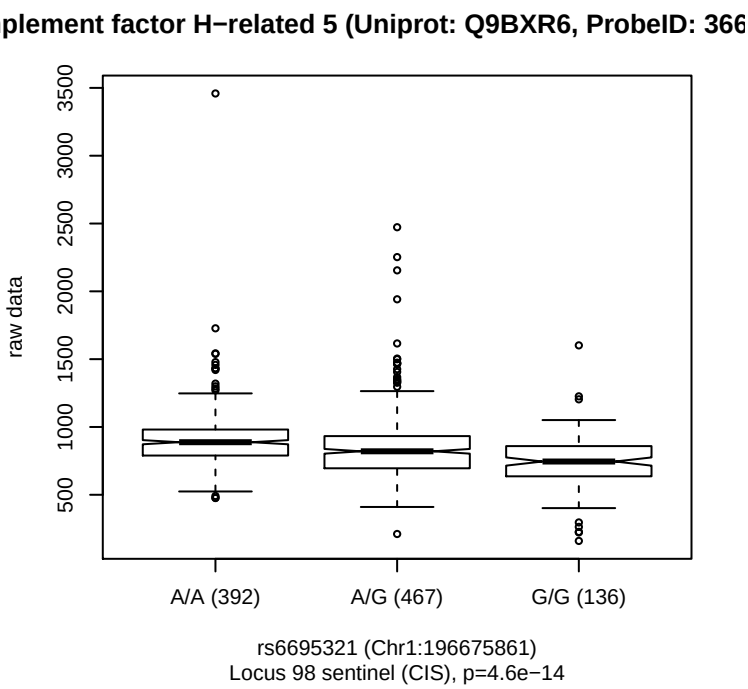

C1s (Uniprot: P09871, ProbeID: 3590−8_3)
Frequency
0
100
200
300
400
500
12.5
13.0
13.5
14.0
14.5
15.0
log2−scaled data
Complement C1s subcomponent

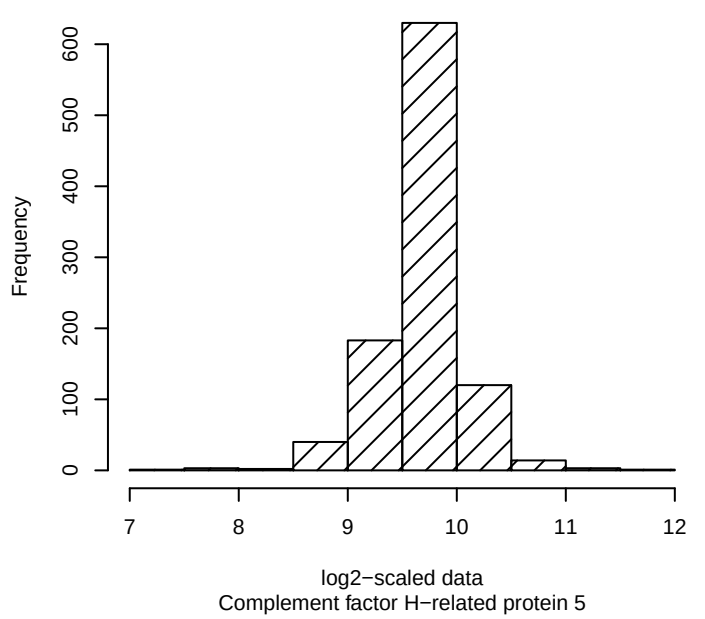

C1s (Uniprot: P09871, ProbeID: 3590−8_3)
log2−scaled data
12.5
13.0
13.5
14.0
14.5
15.0
A/A (392)
A/G (467)
G/G (136)
rs6695321 (Chr1:196675861)
Locus 98 top sentinel (TRANS), p=8.6e−31, FC=−1.0617

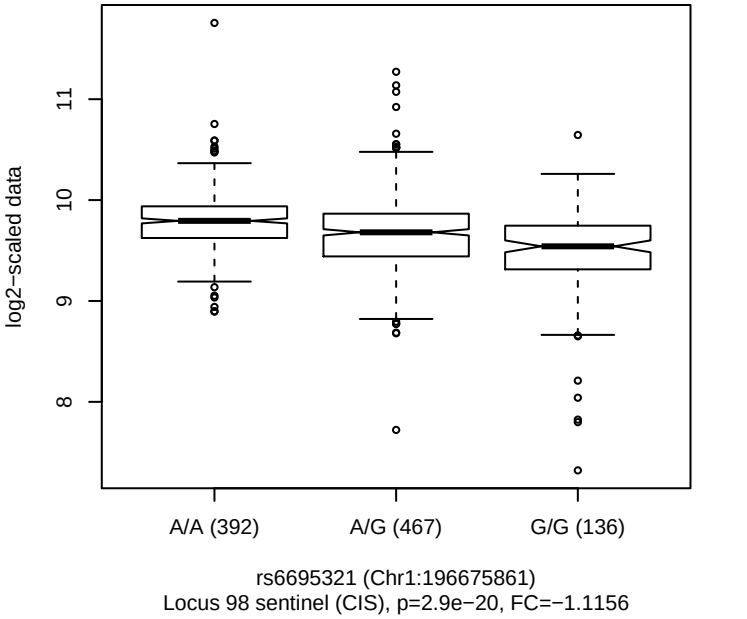

C1s (Uniprot: P09871, ProbeID: 3590−8_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Complement C1s subcomponent

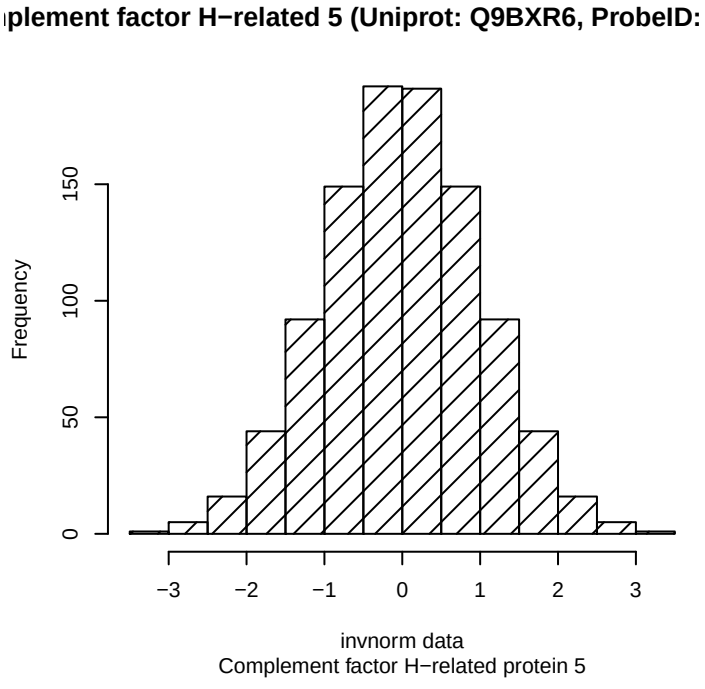

C1s (Uniprot: P09871, ProbeID: 3590−8_3)
invnorm data
−3
−2
−1
0
1
2
3
A/A (392)
A/G (467)
G/G (136)
rs6695321 (Chr1:196675861)
Locus 98 top sentinel (TRANS), p=9.4e−40

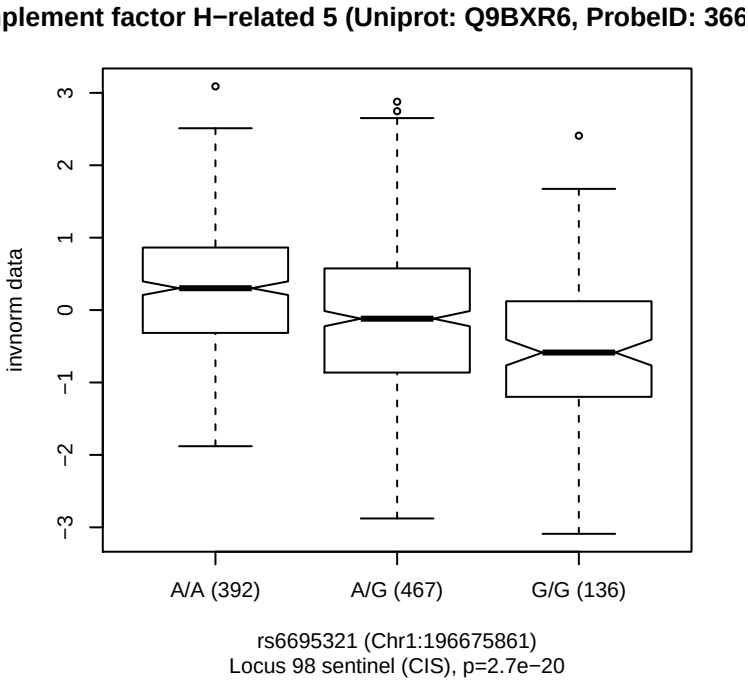

plement factor H−related 5 (Uniprot: Q9BXR6, ProbeID: 366
Frequency
0
200
400
600
800
0
500
1000
1500
2000
2500
3000
3500
raw data
Complement factor H−related protein 5

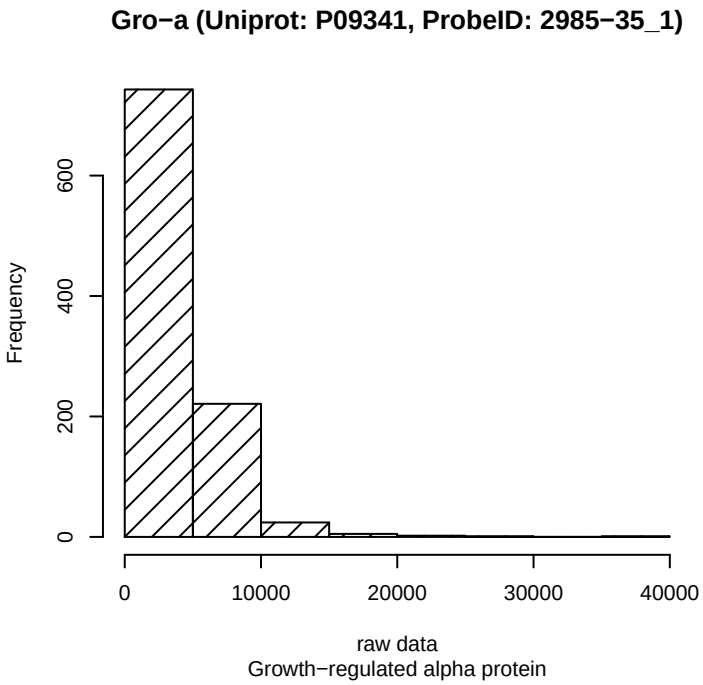

plement factor H−related 5 (Uniprot: Q9BXR6, ProbeID: 366
raw data
500
1000
1500
2000
2500
3000
3500
A/A (392)
A/G (467)
G/G (136)
rs6695321 (Chr1:196675861)
Locus 98 sentinel (CIS), p=4.6e−14

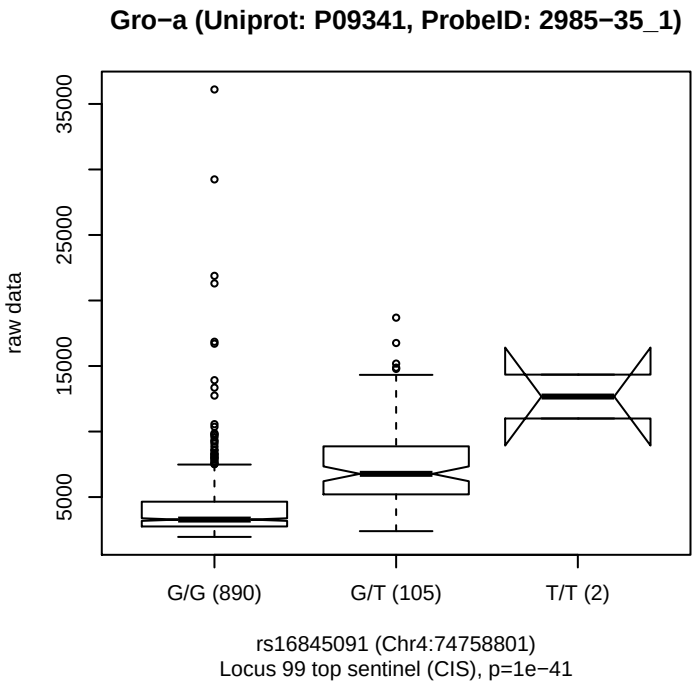

plement factor H−related 5 (Uniprot: Q9BXR6, ProbeID: 366
Frequency
0
100
200
300
400
500
600
7
8
9
10
11
12
log2−scaled data
Complement factor H−related protein 5

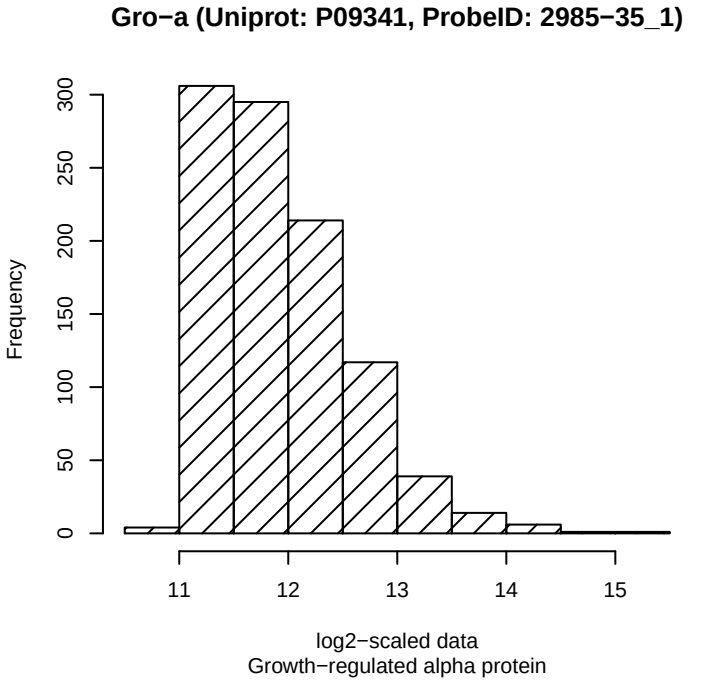

plement factor H−related 5 (Uniprot: Q9BXR6, ProbeID: 366
log2−scaled data
8
9
10
11
A/A (392)
A/G (467)
G/G (136)
rs6695321 (Chr1:196675861)
Locus 98 sentinel (CIS), p=2.9e−20, FC=−1.1156

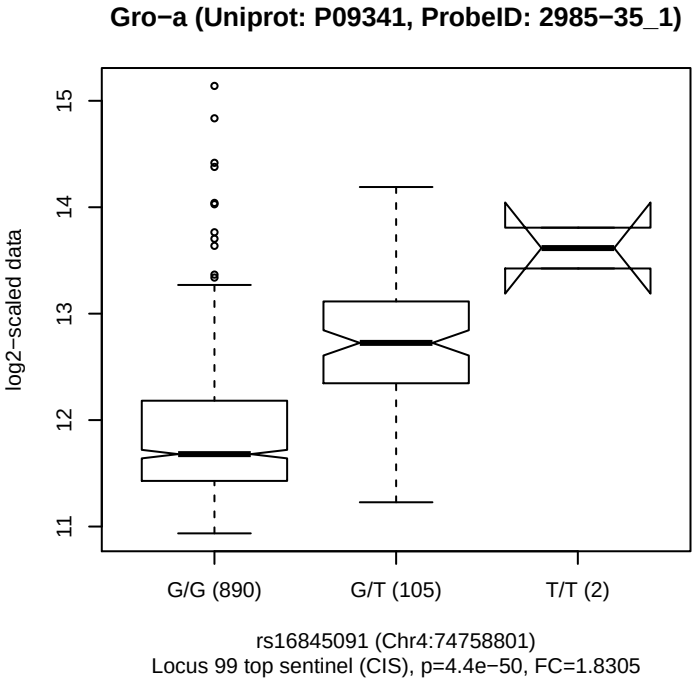

plement factor H−related 5 (Uniprot: Q9BXR6, ProbeID: 366
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Complement factor H−related protein 5

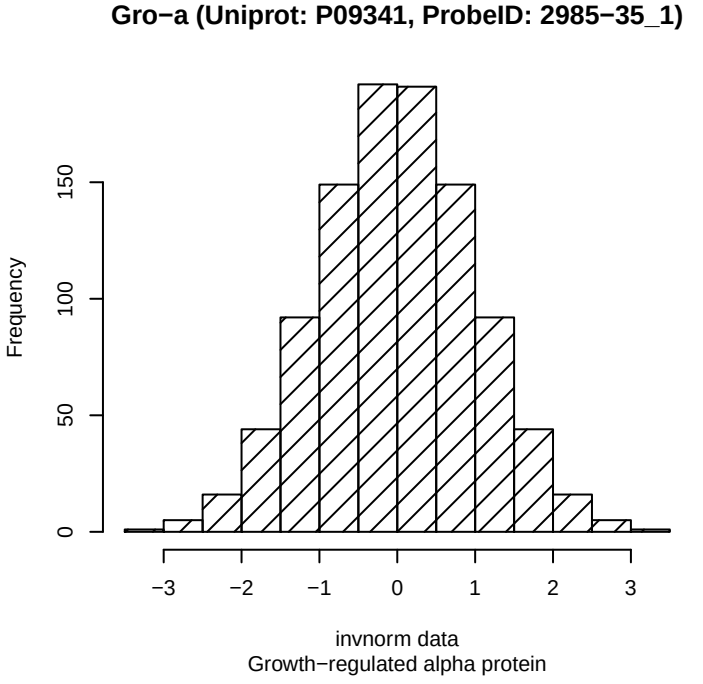

plement factor H−related 5 (Uniprot: Q9BXR6, ProbeID: 366
invnorm data
−3
−2
−1
0
1
2
3
A/A (392)
A/G (467)
G/G (136)
rs6695321 (Chr1:196675861)
Locus 98 sentinel (CIS), p=2.7e−20

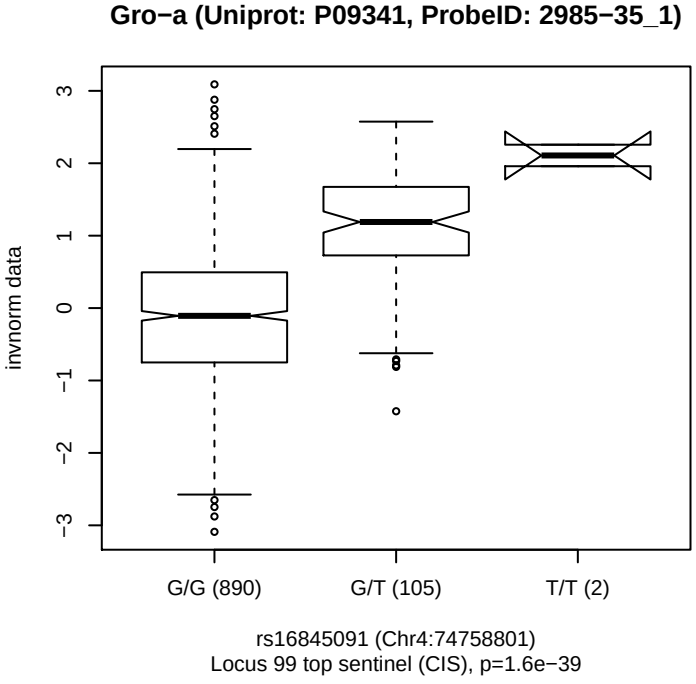

Gro−a (Uniprot: P09341, ProbeID: 2985−35_1)
Frequency
0
200
400
600
0
10000
20000
30000
40000
raw data
Growth−regulated alpha protein


Gro−a (Uniprot: P09341, ProbeID: 2985−35_1)
raw data
5000
15000
25000
35000
G/G (890)
G/T (105)
T/T (2)
rs16845091 (Chr4:74758801)
Locus 99 top sentinel (CIS), p=1e−41

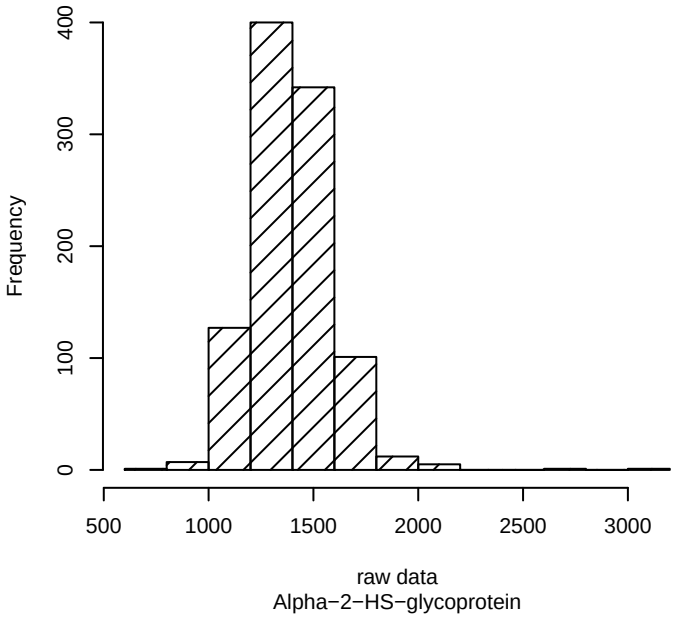

Gro−a (Uniprot: P09341, ProbeID: 2985−35_1)
Frequency
0
50
100
150
200
250
300
11
12
13
14
15
log2−scaled data
Growth−regulated alpha protein


Gro−a (Uniprot: P09341, ProbeID: 2985−35_1)
log2−scaled data
11
12
13
14
15
G/G (890)
G/T (105)
T/T (2)
rs16845091 (Chr4:74758801)
Locus 99 top sentinel (CIS), p=4.4e−50, FC=1.8305

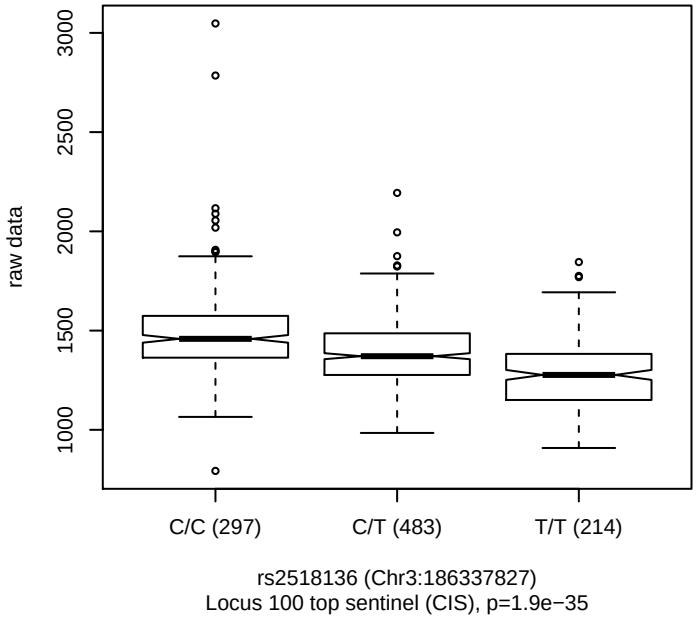

Gro−a (Uniprot: P09341, ProbeID: 2985−35_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Growth−regulated alpha protein


Gro−a (Uniprot: P09341, ProbeID: 2985−35_1)
invnorm data
−3
−2
−1
0
1
2
3
G/G (890)
G/T (105)
T/T (2)
rs16845091 (Chr4:74758801)
Locus 99 top sentinel (CIS), p=1.6e−39

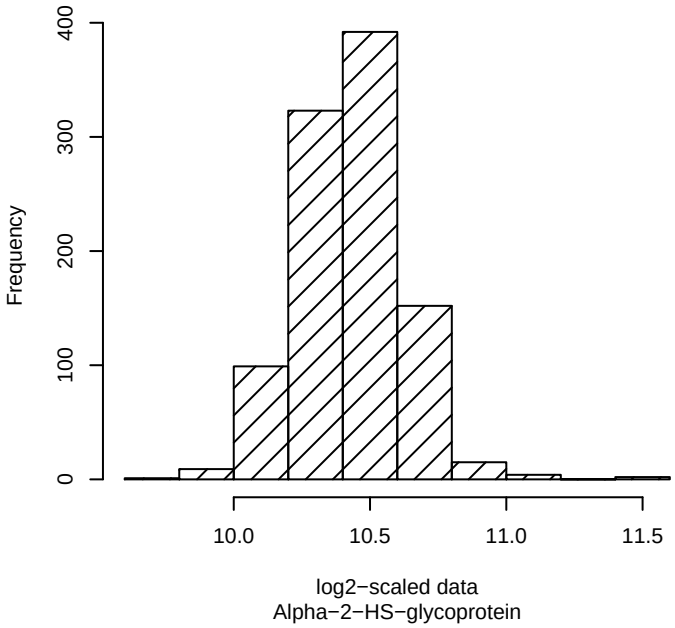
**a2−HS−Glycoprotein (Uniprot: P02765, ProbeID: 3581−53_**



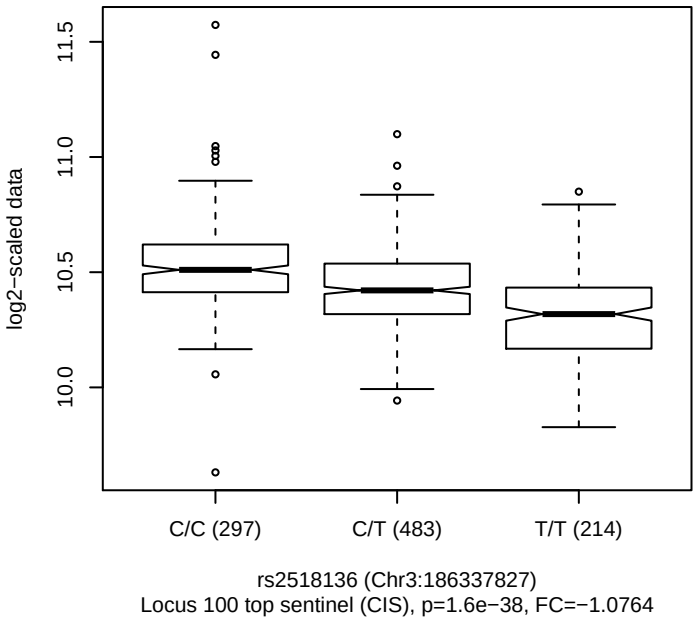

**a2−HS−Glycoprotein (Uniprot: P02765, ProbeID: 3581−53_**



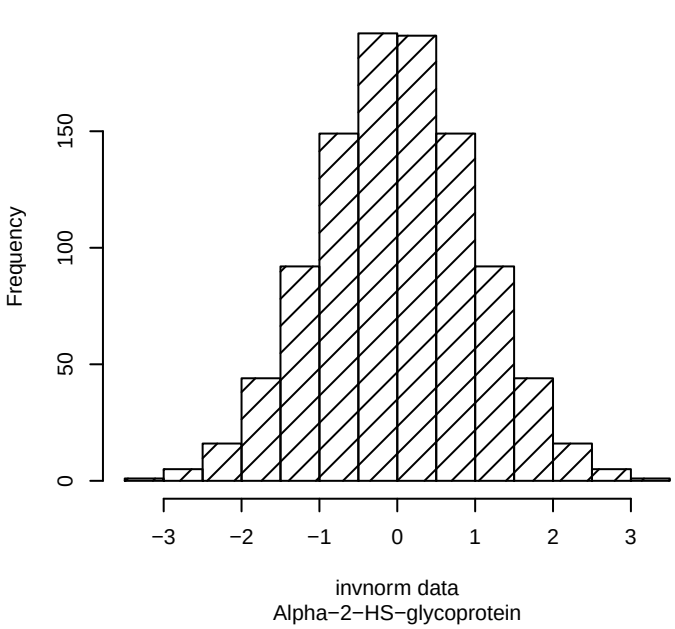

**a2−HS−Glycoprotein (Uniprot: P02765, ProbeID: 3581−53_**



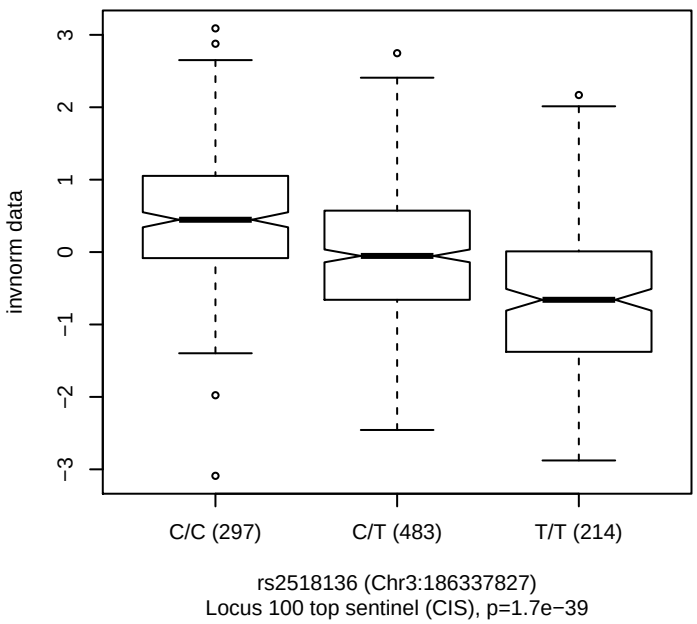

**a2−HS−Glycoprotein (Uniprot: P02765, ProbeID: 3581−53_**

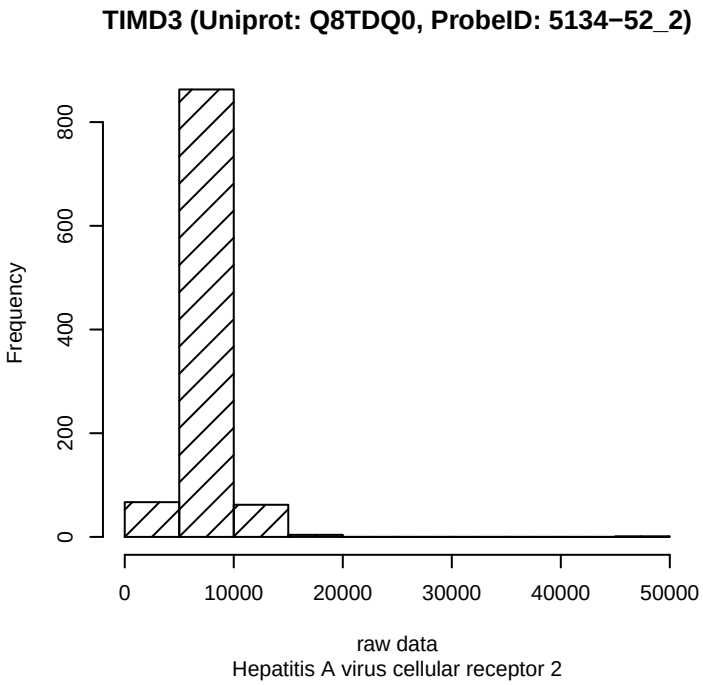


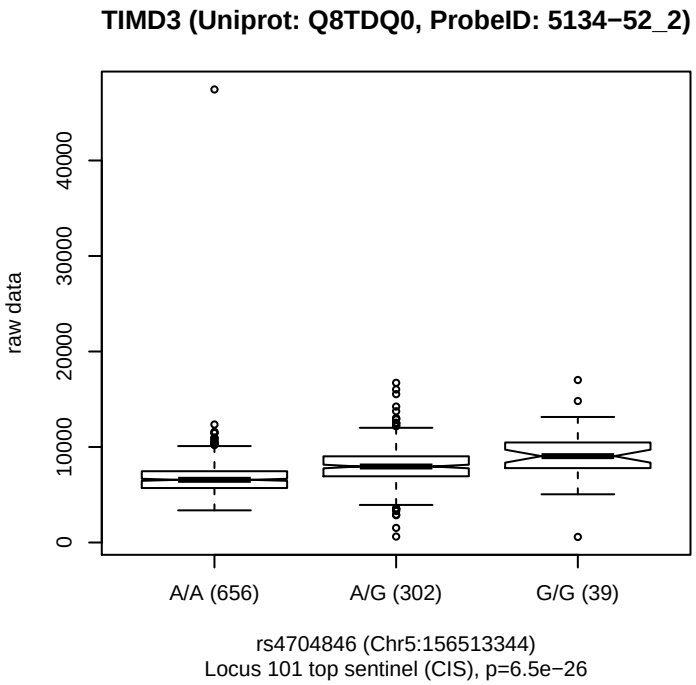

**a2−HS−Glycoprotein (Uniprot: P02765, ProbeID: 3581−53_**

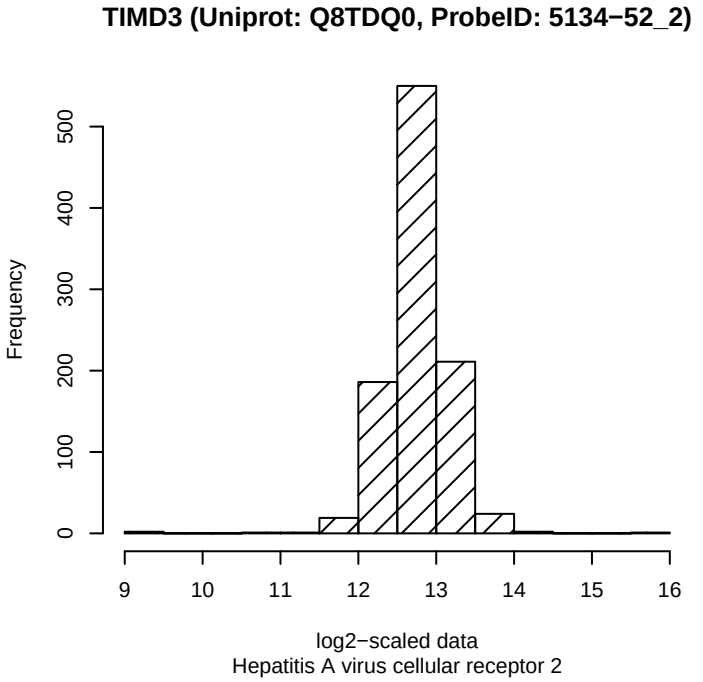


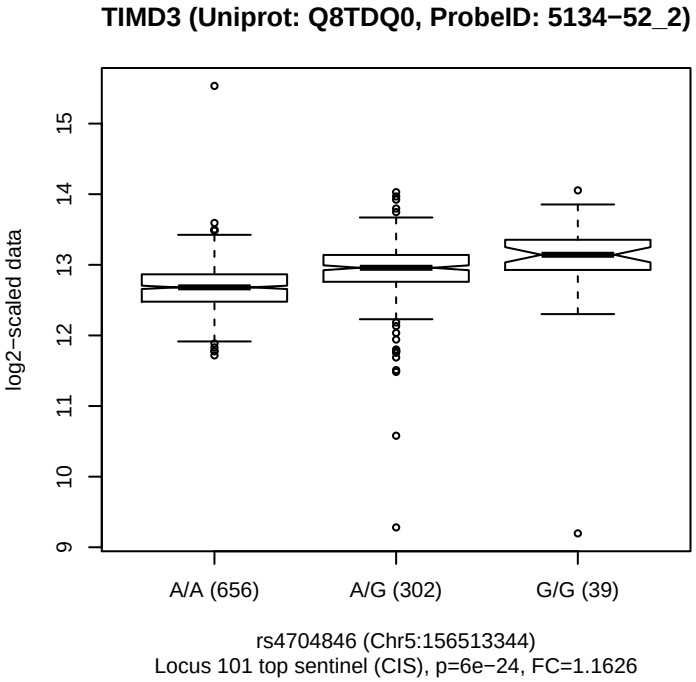

**a2−HS−Glycoprotein (Uniprot: P02765, ProbeID: 3581−53_**

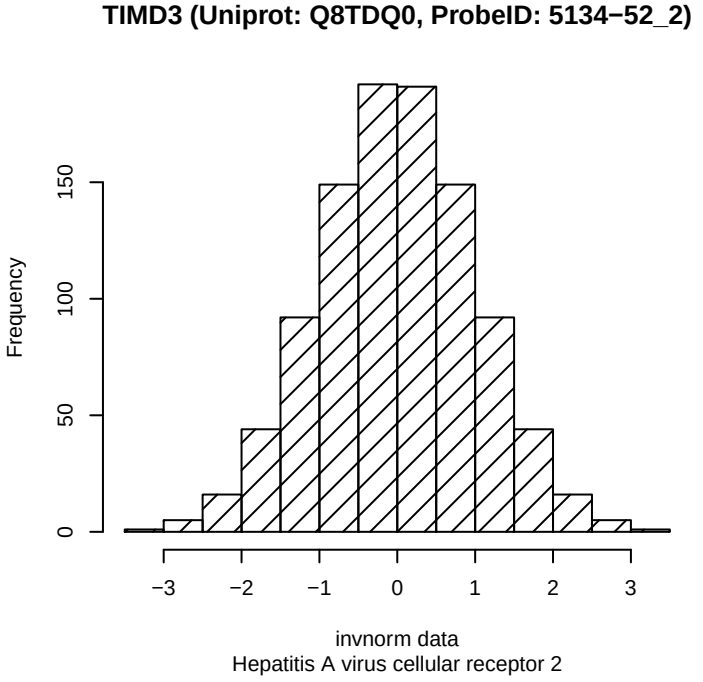


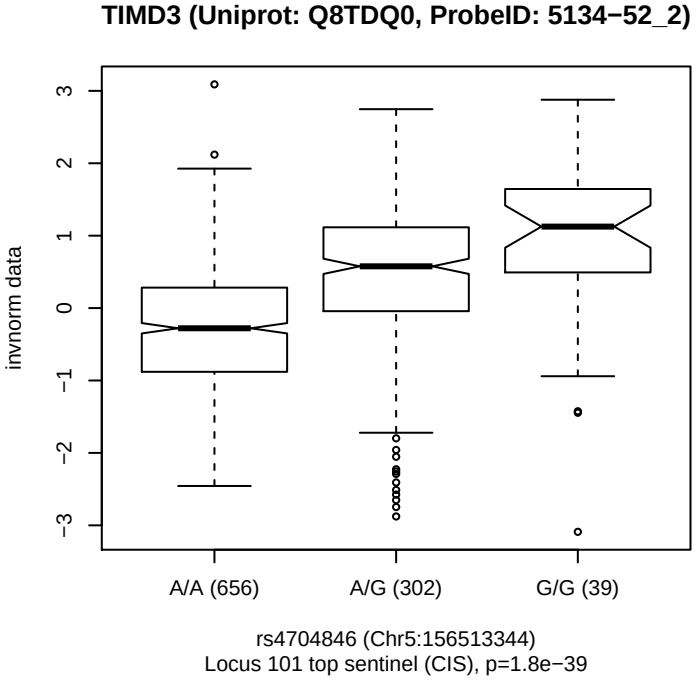

TIMD3 (Uniprot: Q8TDQ0, ProbeID: 5134−52_2)
Frequency
0
200
400
600
800
0
10000
20000
30000
40000
50000
raw data
Hepatitis A virus cellular receptor 2

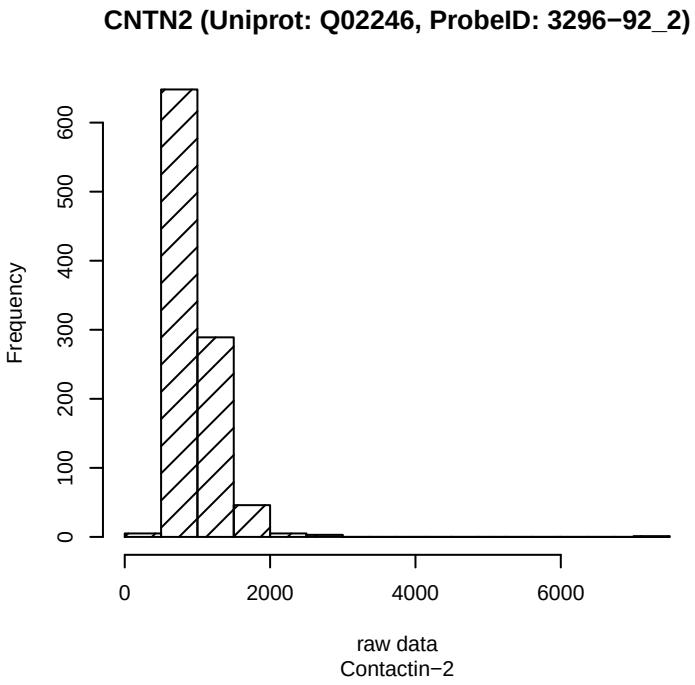

TIMD3 (Uniprot: Q8TDQ0, ProbeID: 5134−52_2)
raw data
0
10000
20000
30000
40000
A/A (656)
A/G (302)
G/G (39)
rs4704846 (Chr5:156513344)
Locus 101 top sentinel (CIS), p=6.5e−26

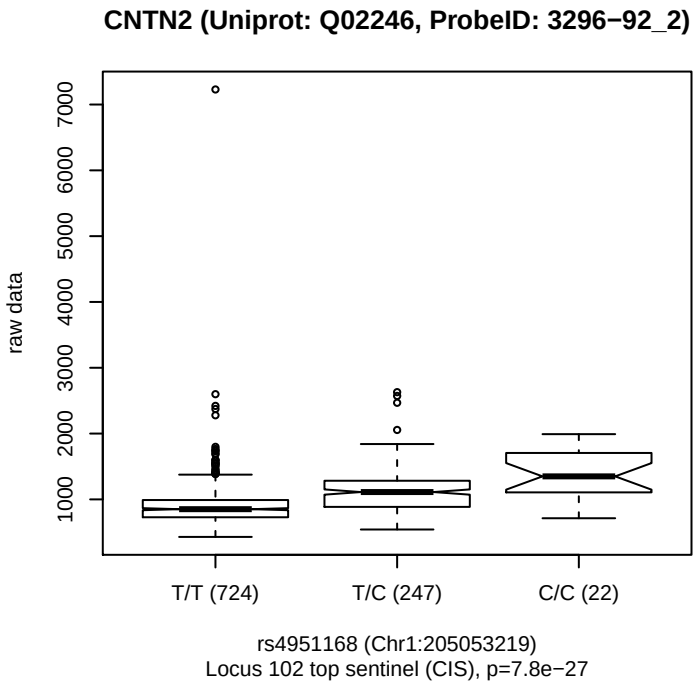

TIMD3 (Uniprot: Q8TDQ0, ProbeID: 5134−52_2)
Frequency
0
100
200
300
400
500
9
10
11
12
13
14
15
16
log2−scaled data
Hepatitis A virus cellular receptor 2

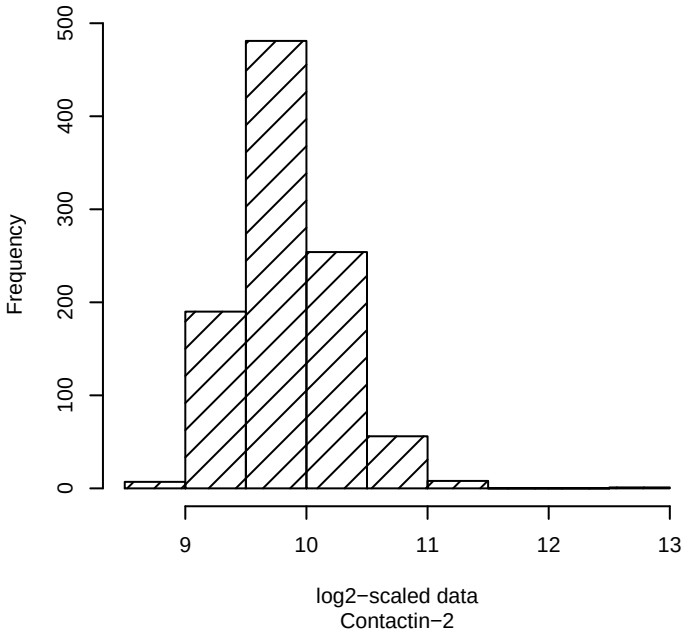

TIMD3 (Uniprot: Q8TDQ0, ProbeID: 5134−52_2)
log2−scaled data
9
10
11
12
13
14
15
A/A (656)
A/G (302)
G/G (39)
rs4704846 (Chr5:156513344)
Locus 101 top sentinel (CIS), p=6e−24, FC=1.1626

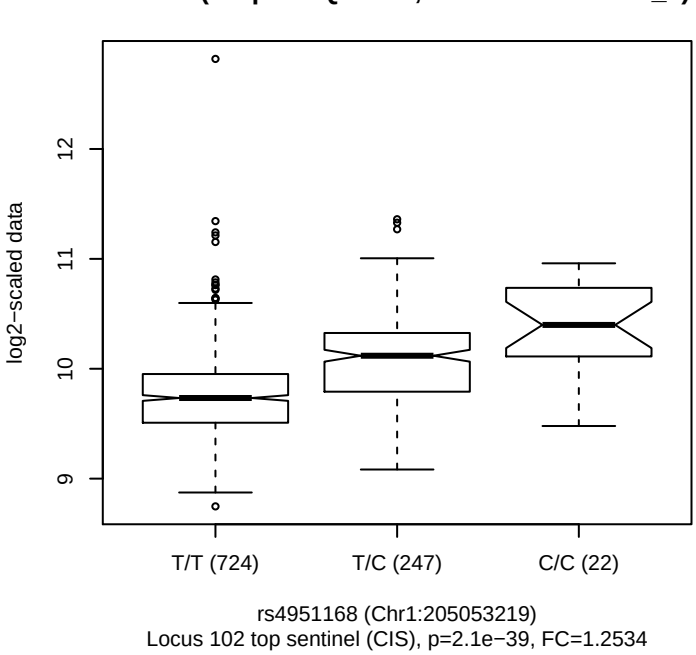

TIMD3 (Uniprot: Q8TDQ0, ProbeID: 5134−52_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Hepatitis A virus cellular receptor 2

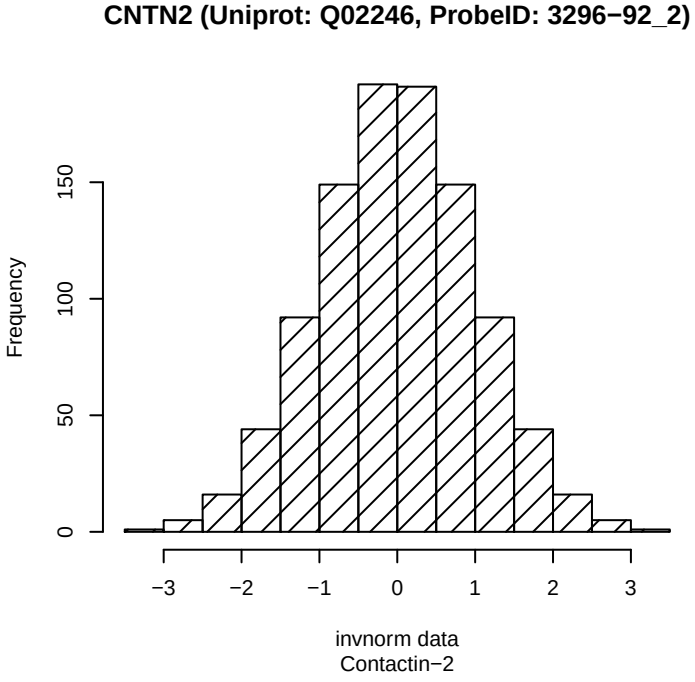

TIMD3 (Uniprot: Q8TDQ0, ProbeID: 5134−52_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (656)
A/G (302)
G/G (39)
rs4704846 (Chr5:156513344)
Locus 101 top sentinel (CIS), p=1.8e−39

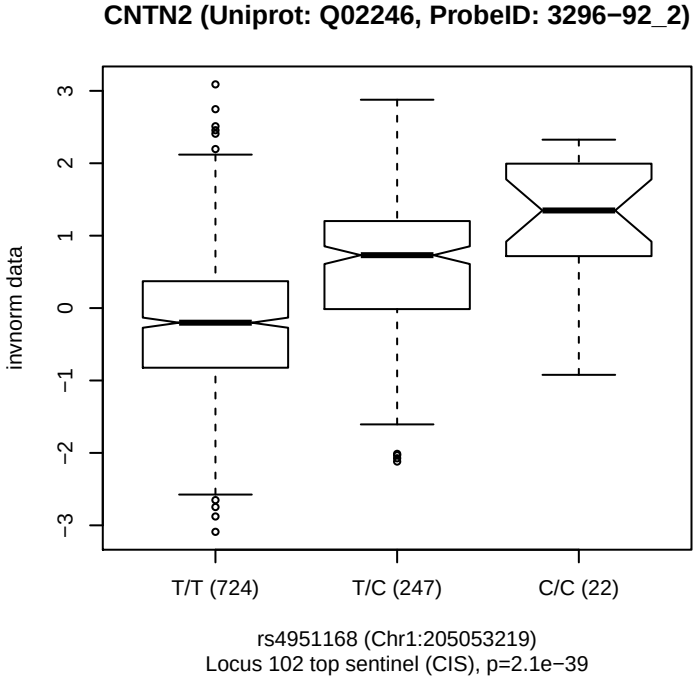

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
Frequency
0
100
200
300
400
500
600
0
2000
4000
6000
raw data
Contactin−2

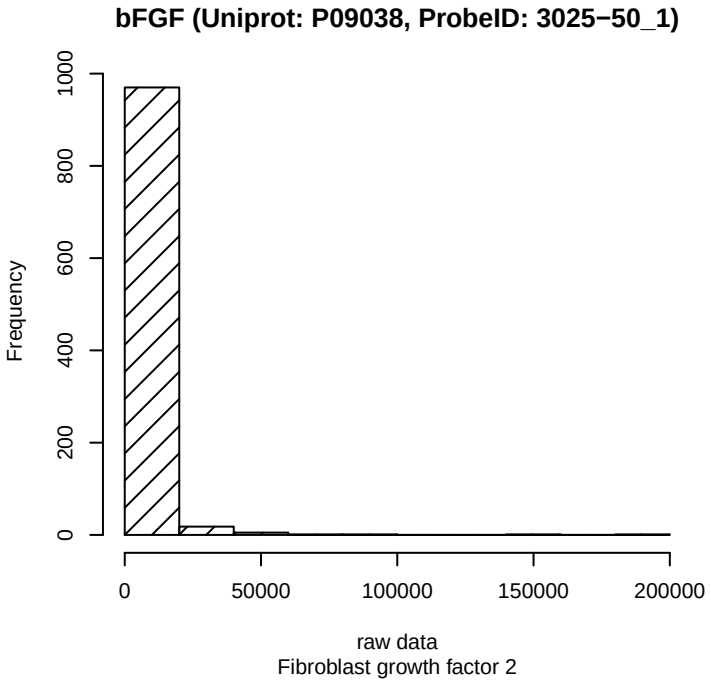

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
raw data
1000
2000
3000
4000
5000
6000
7000
T/T (724)
T/C (247)
C/C (22)
rs4951168 (Chr1:205053219)
Locus 102 top sentinel (CIS), p=7.8e−27

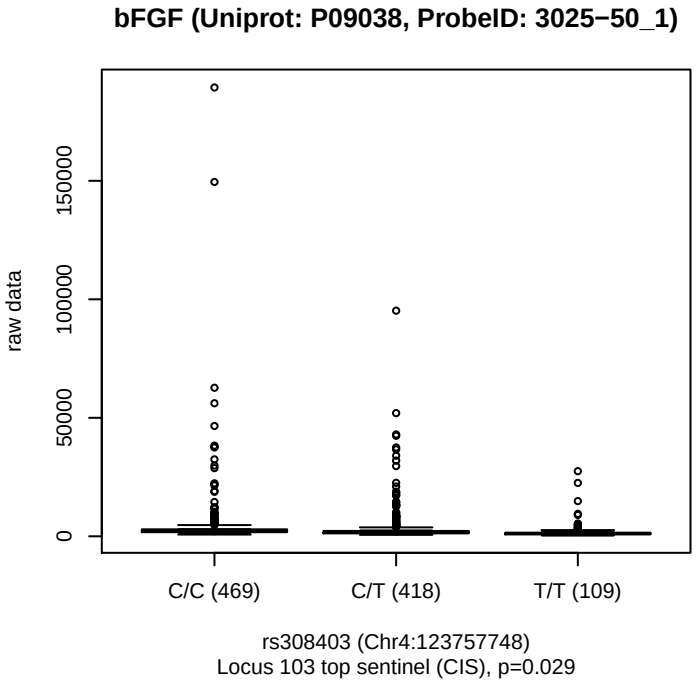

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
Frequency
0
100
200
300
400
500
9
10
11
12
13
log2−scaled data
Contactin−2

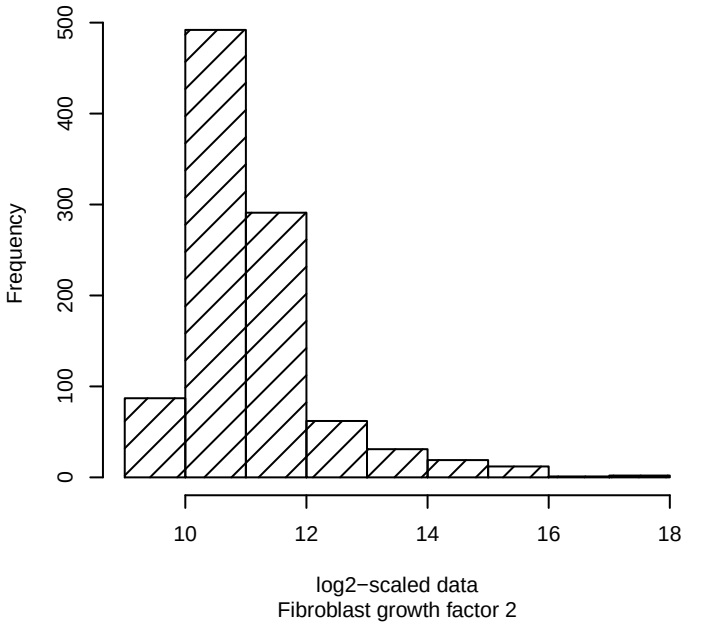

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
log2−scaled data
9
10
11
12
T/T (724)
T/C (247)
C/C (22)
rs4951168 (Chr1:205053219)
Locus 102 top sentinel (CIS), p=2.1e−39, FC=1.2534

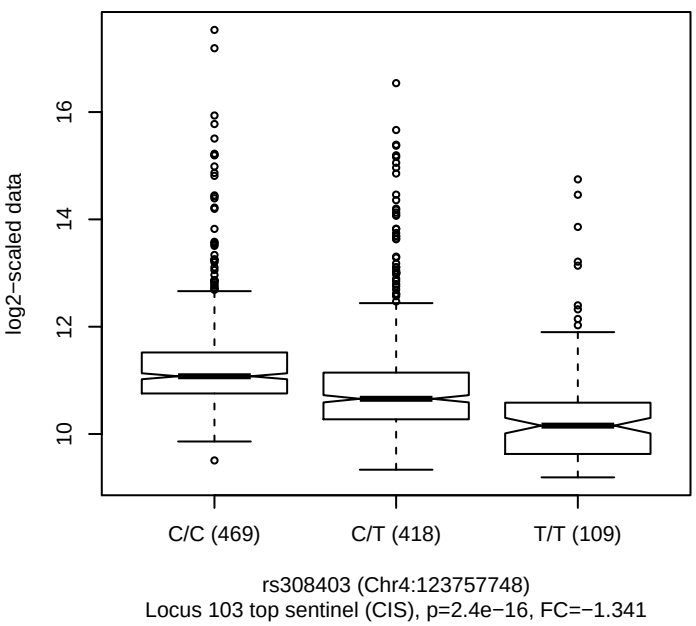

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Contactin−2

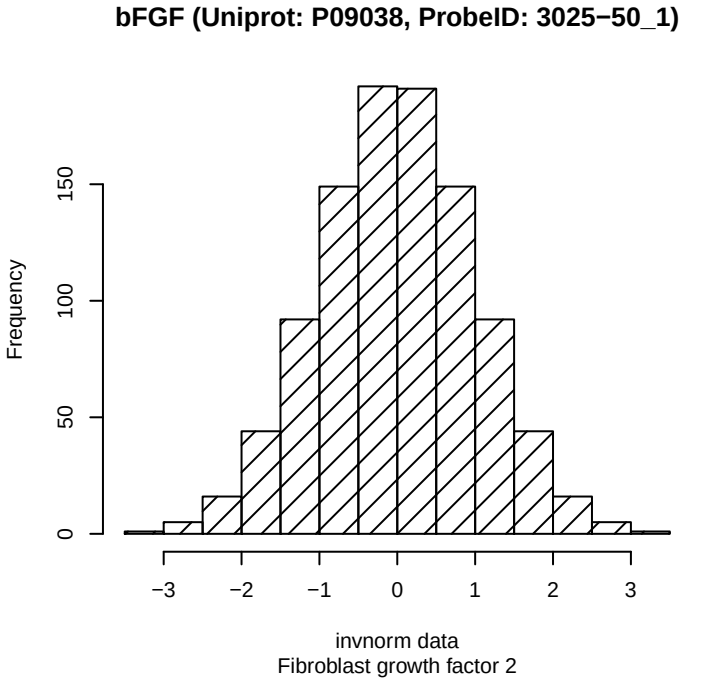

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (724)
T/C (247)
C/C (22)
rs4951168 (Chr1:205053219)
Locus 102 top sentinel (CIS), p=2.1e−39

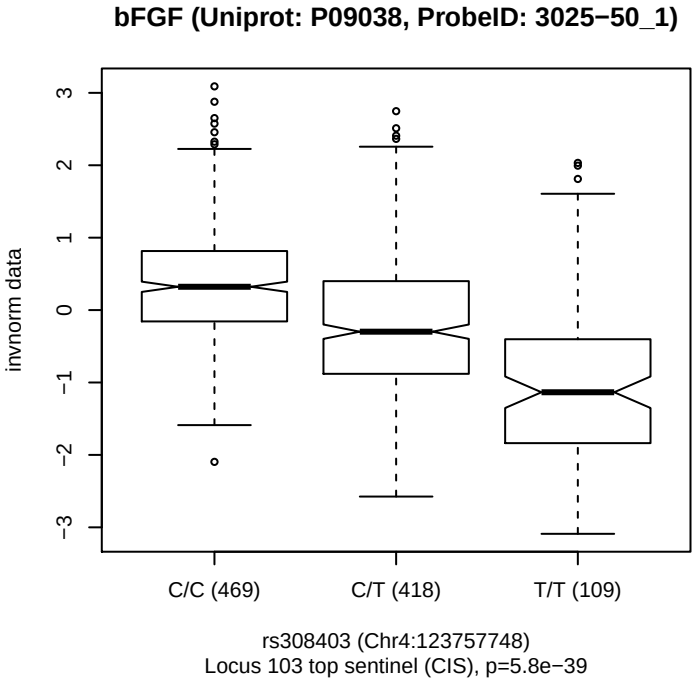

bFGF (Uniprot: P09038, ProbeID: 3025−50_1)
Frequency
0
200
400
600
800
1000
0
50000
100000
150000
200000
raw data
Fibroblast growth factor 2

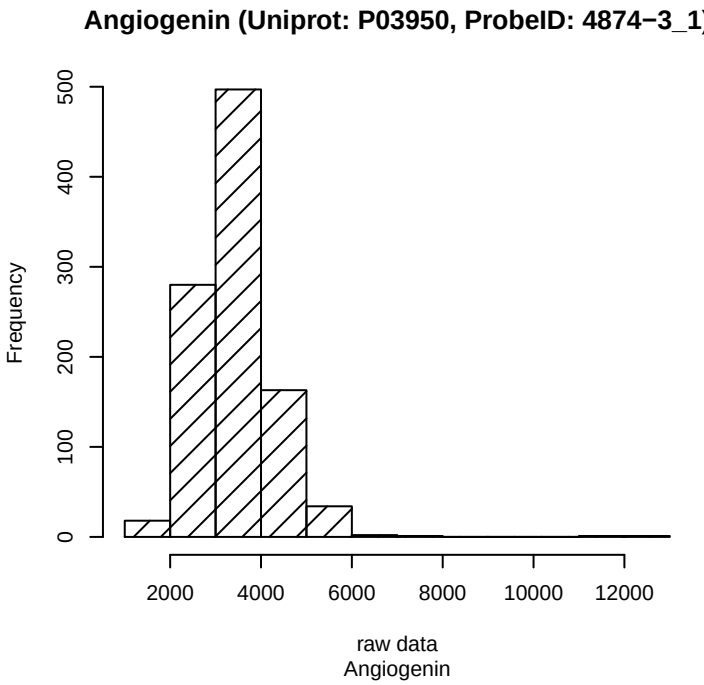

bFGF (Uniprot: P09038, ProbeID: 3025−50_1)
raw data
0
50000
100000
150000
C/C (469)
C/T (418)
T/T (109)
rs308403 (Chr4:123757748)
Locus 103 top sentinel (CIS), p=0.029

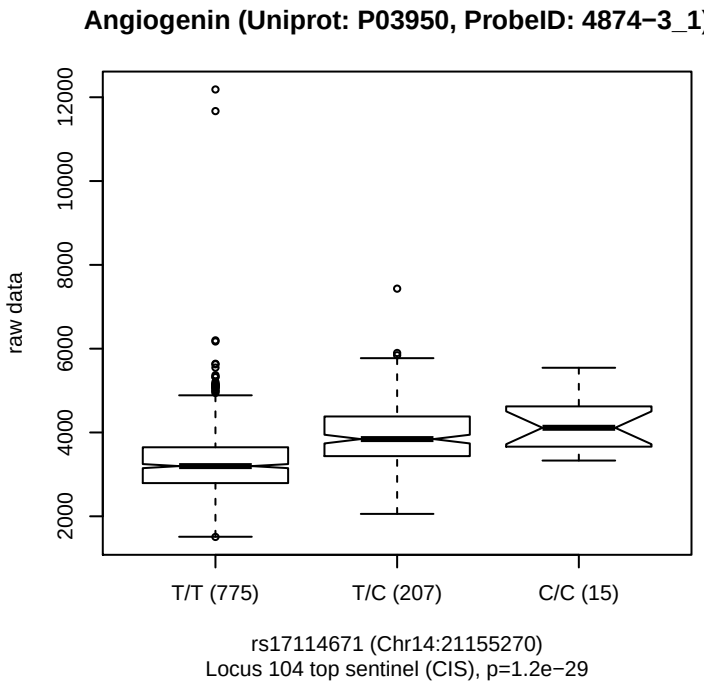

bFGF (Uniprot: P09038, ProbeID: 3025−50_1)
Frequency
0
100
200
300
400
500
10
12
14
16
18
log2−scaled data
Fibroblast growth factor 2

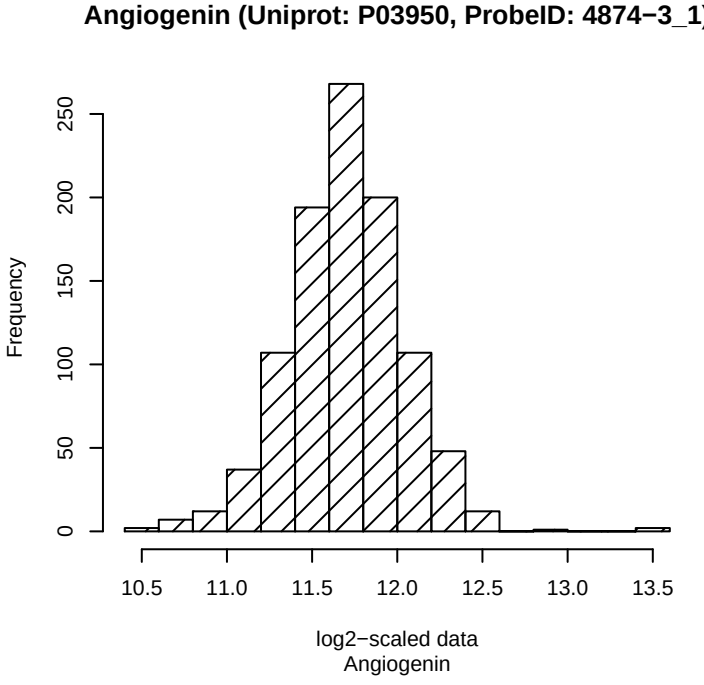

bFGF (Uniprot: P09038, ProbeID: 3025−50_1)
log2−scaled data
10
12
14
16
C/C (469)
C/T (418)
T/T (109)
rs308403 (Chr4:123757748)
Locus 103 top sentinel (CIS), p=2.4e−16, FC=−1.341

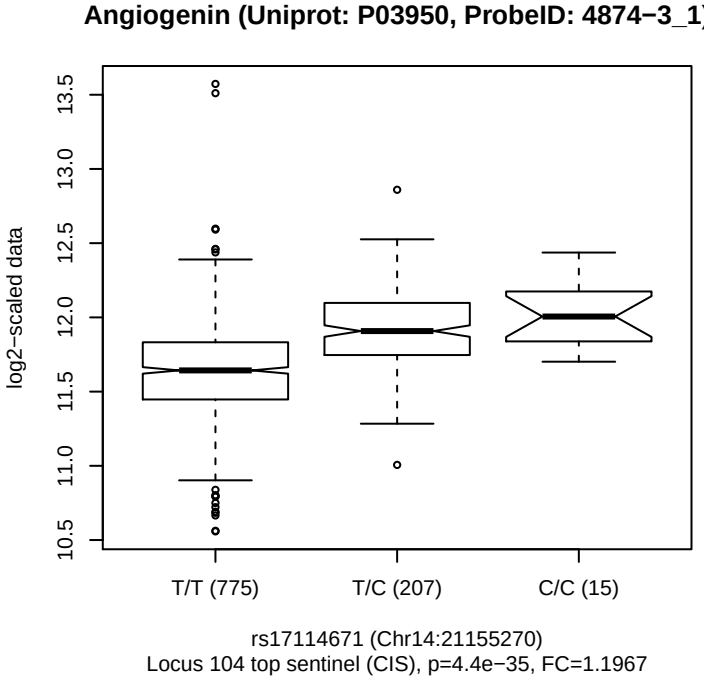

bFGF (Uniprot: P09038, ProbeID: 3025−50_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Fibroblast growth factor 2

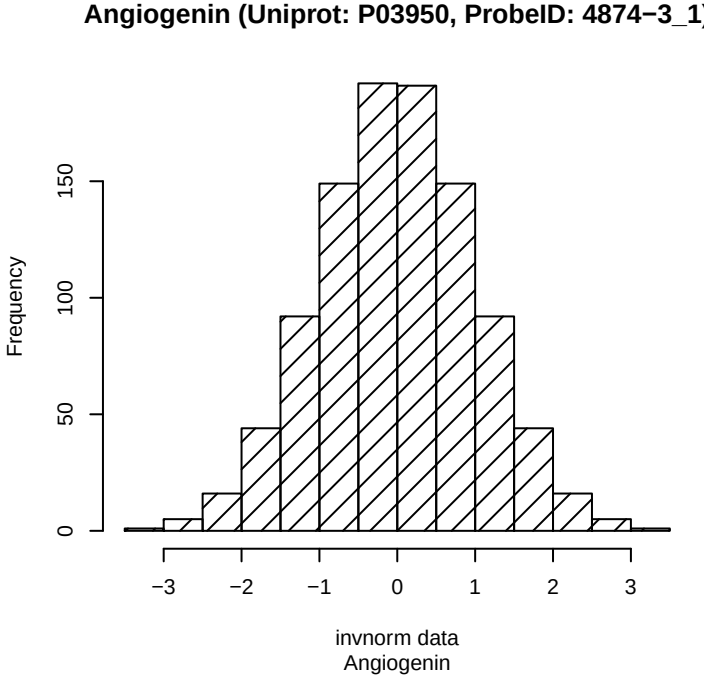

bFGF (Uniprot: P09038, ProbeID: 3025−50_1)
invnorm data
−3
−2
−1
0
1
2
3
C/C (469)
C/T (418)
T/T (109)
rs308403 (Chr4:123757748)
Locus 103 top sentinel (CIS), p=5.8e−39

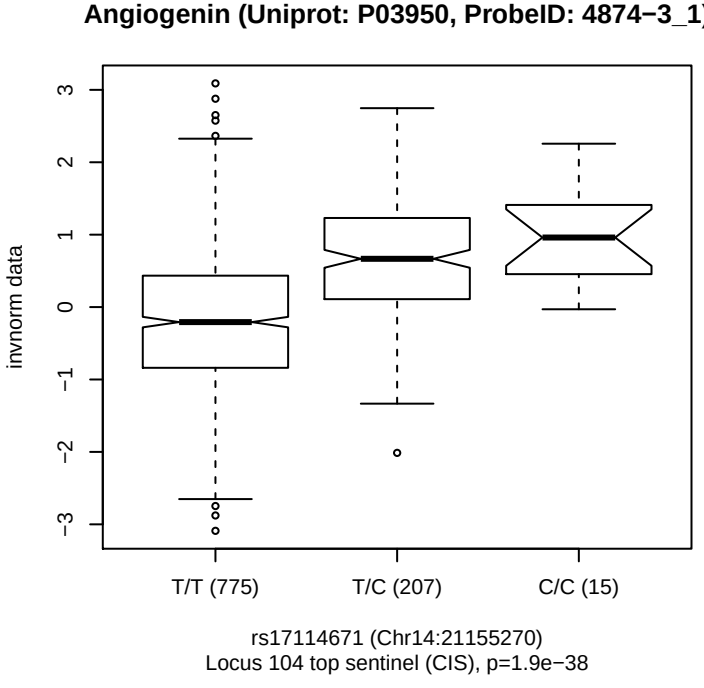

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
Frequency
0
100
200
300
400
500
2000
4000
6000
8000
10000
12000
raw data
Angiogenin

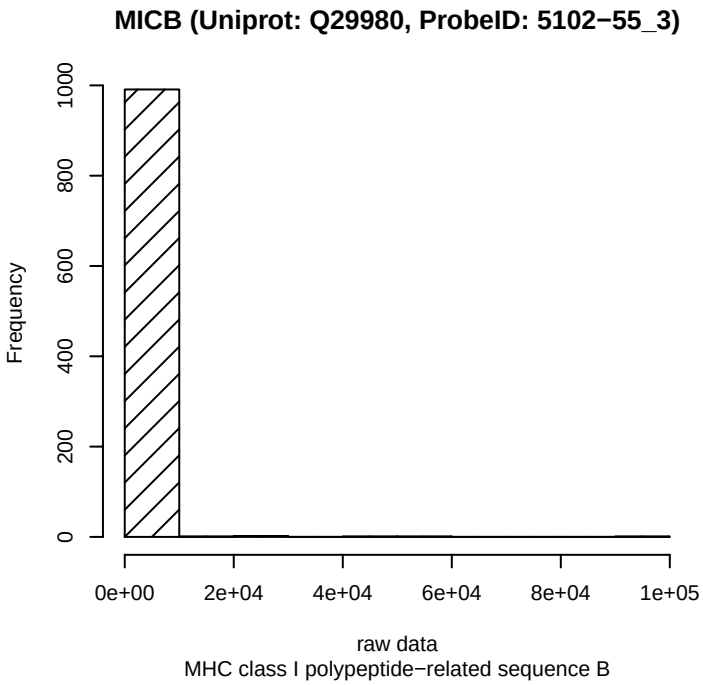

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
raw data
2000
4000
6000
8000
10000
12000
T/T (775)
T/C (207)
C/C (15)
rs17114671 (Chr14:21155270)
Locus 104 top sentinel (CIS), p=1.2e−29

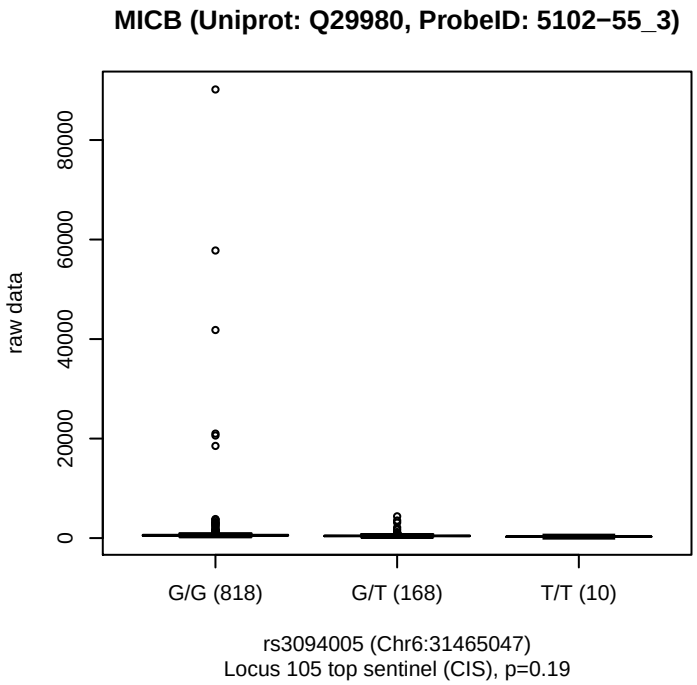

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
Frequency
0
50
100
150
200
250
10.5
11.0
11.5
12.0
12.5
13.0
13.5
log2−scaled data
Angiogenin

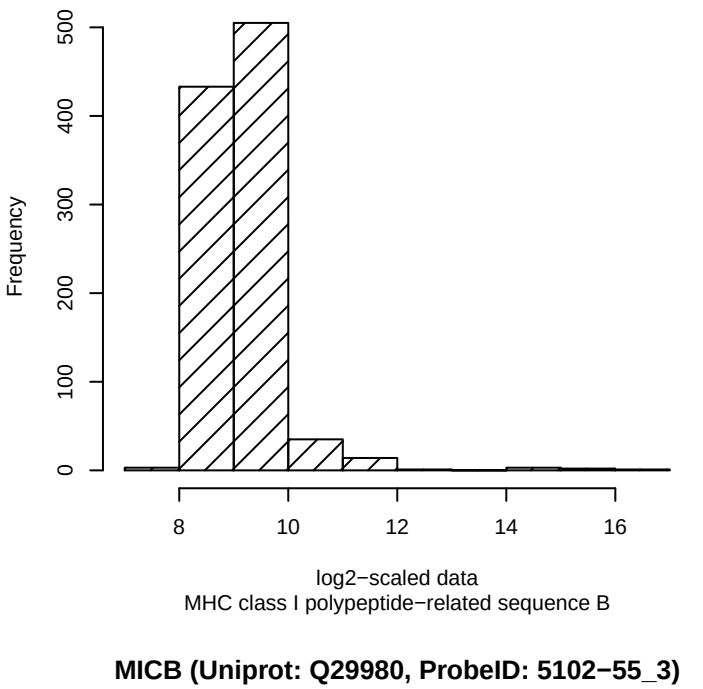

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
log2−scaled data
10.5
11.0
11.5
12.0
12.5
13.0
13.5
T/T (775)
T/C (207)
C/C (15)
rs17114671 (Chr14:21155270)
Locus 104 top sentinel (CIS), p=4.4e−35, FC=1.1967

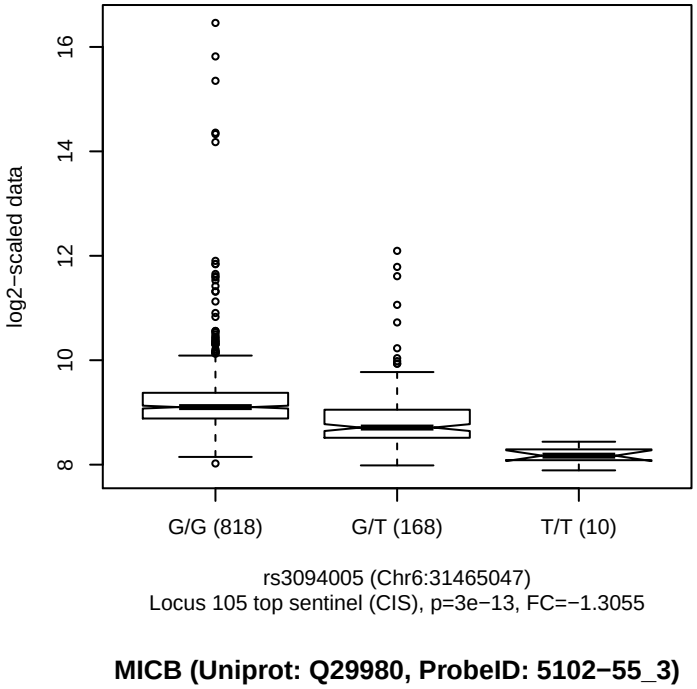

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Angiogenin

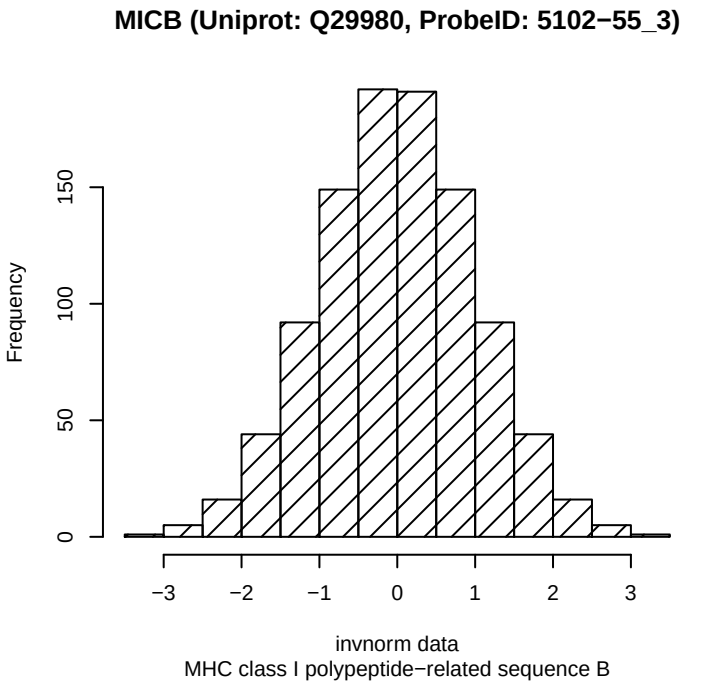

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
invnorm data
−3
−2
−1
0
1
2
3
T/T (775)
T/C (207)
C/C (15)
rs17114671 (Chr14:21155270)
Locus 104 top sentinel (CIS), p=1.9e−38

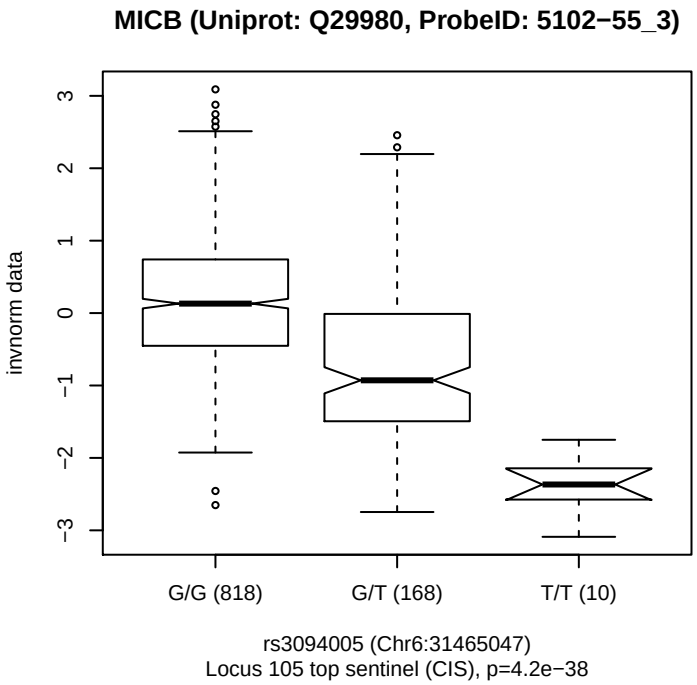

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
200
400
600
800
1000
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
raw data
MHC class I polypeptide−related sequence B

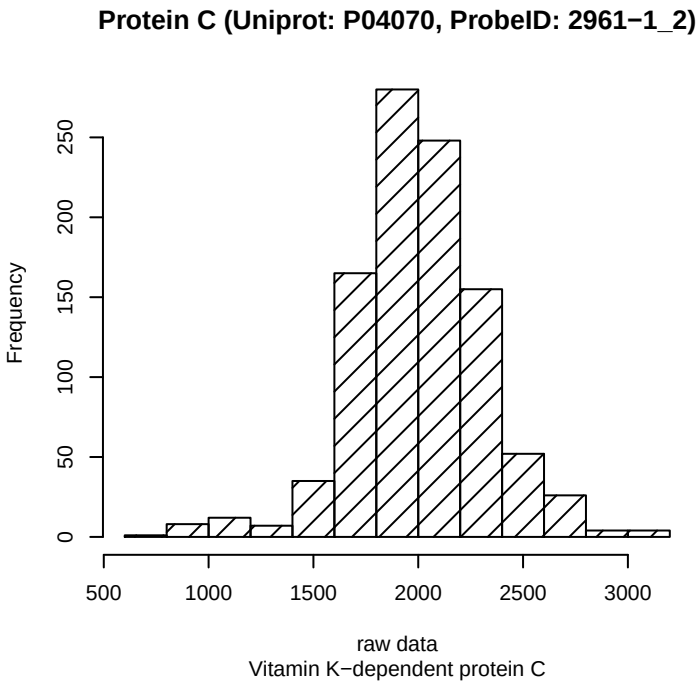

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
raw data
0
20000
40000
60000
80000
G/G (818)
G/T (168)
T/T (10)
rs3094005 (Chr6:31465047)
Locus 105 top sentinel (CIS), p=0.19

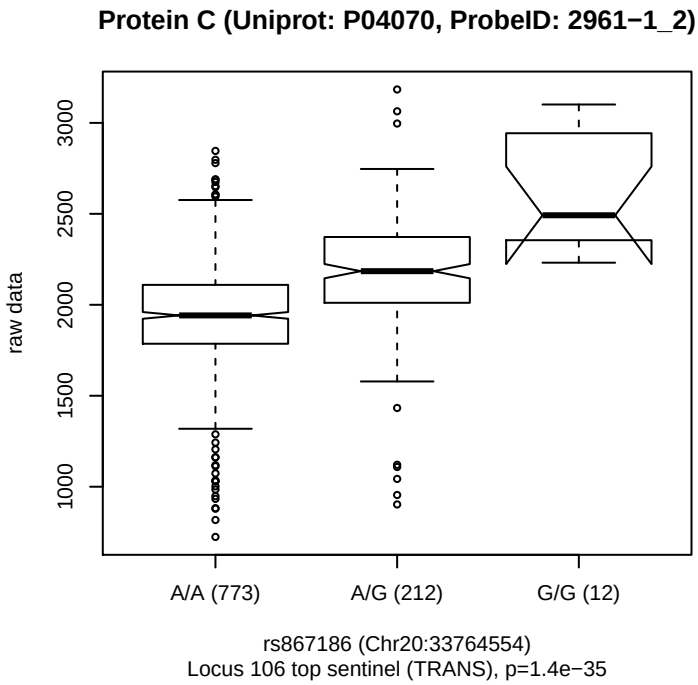

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
100
200
300
400
500
8
10
12
14
16
log2−scaled data
MHC class I polypeptide−related sequence B

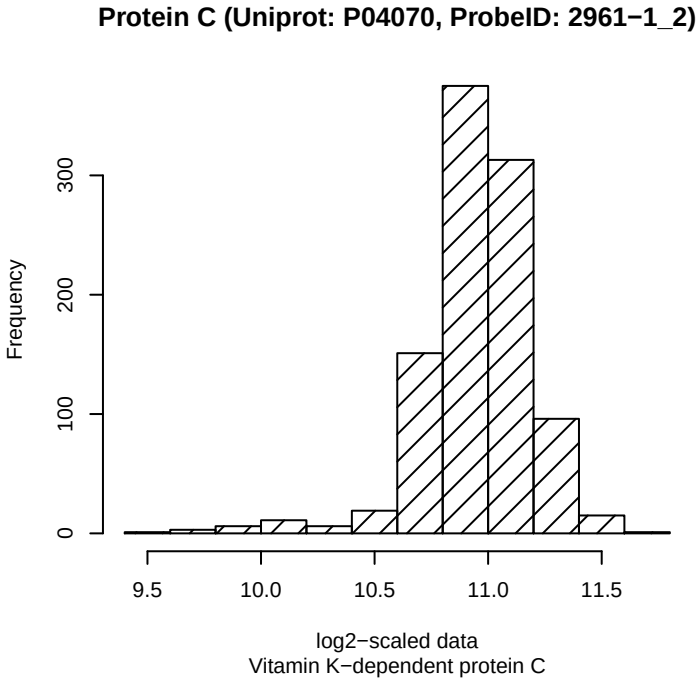

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
log2−scaled data
8
10
12
14
16
G/G (818)
G/T (168)
T/T (10)
rs3094005 (Chr6:31465047)
Locus 105 top sentinel (CIS), p=3e−13, FC=−1.3055

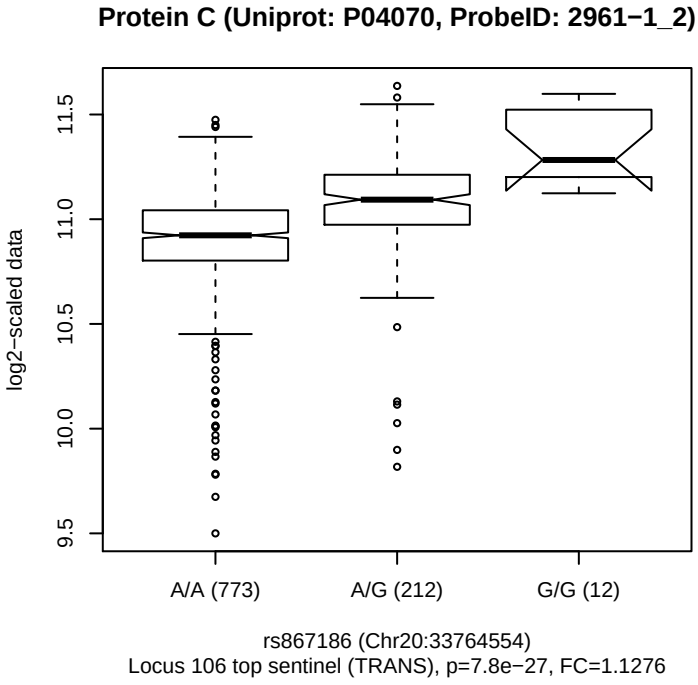

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence B

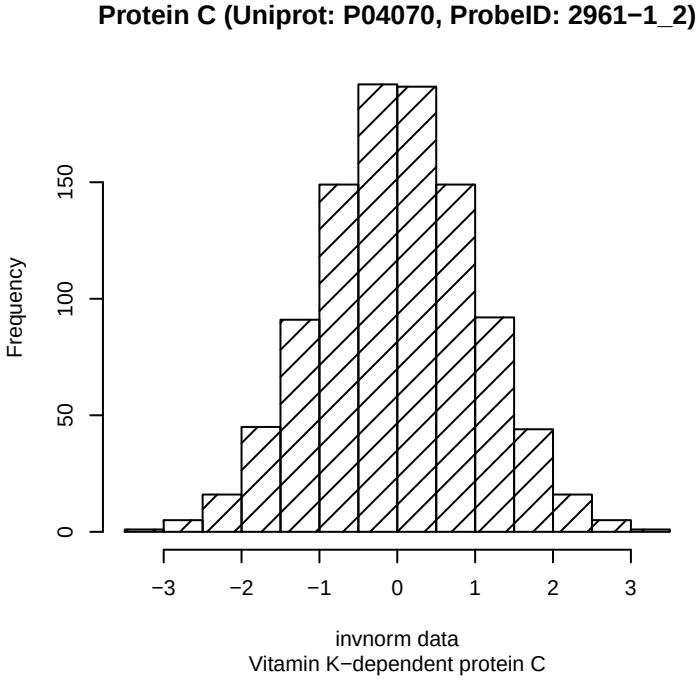

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
invnorm data
−3
−2
−1
0
1
2
3
G/G (818)
G/T (168)
T/T (10)
rs3094005 (Chr6:31465047)
Locus 105 top sentinel (CIS), p=4.2e−38

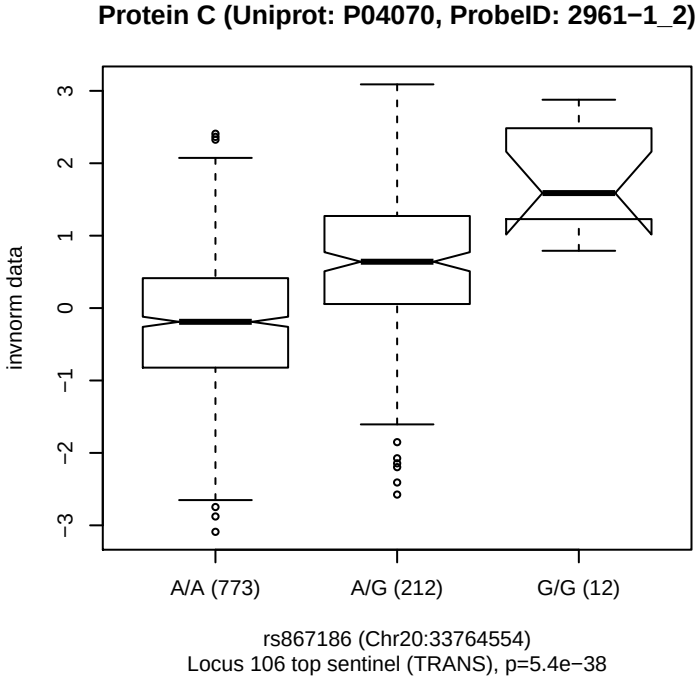

Protein C (Uniprot: P04070, ProbeID: 2961−1_2)
Frequency
0
50
100
150
200
250
500
1000
1500
2000
2500
3000
raw data
Vitamin K−dependent protein C

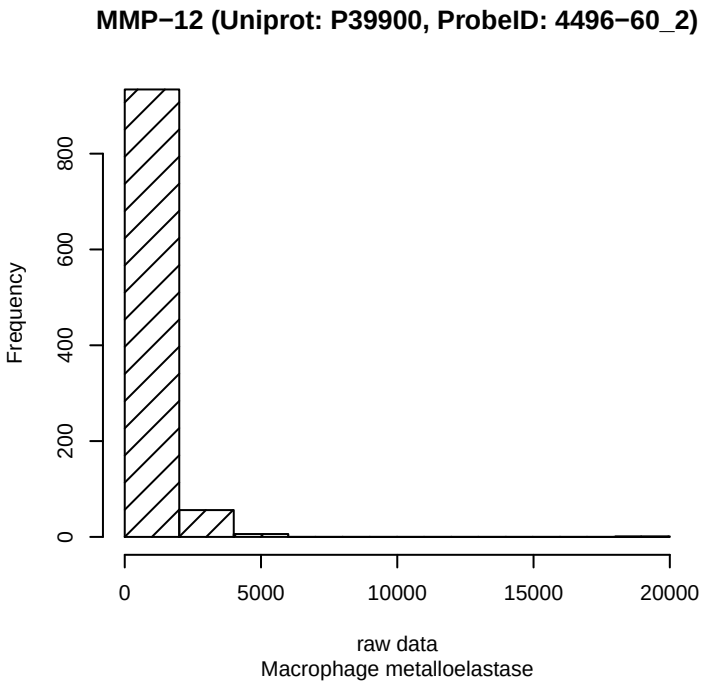

Protein C (Uniprot: P04070, ProbeID: 2961−1_2)
raw data
1000
1500
2000
2500
3000
A/A (773)
A/G (212)
G/G (12)
rs867186 (Chr20:33764554)
Locus 106 top sentinel (TRANS), p=1.4e−35

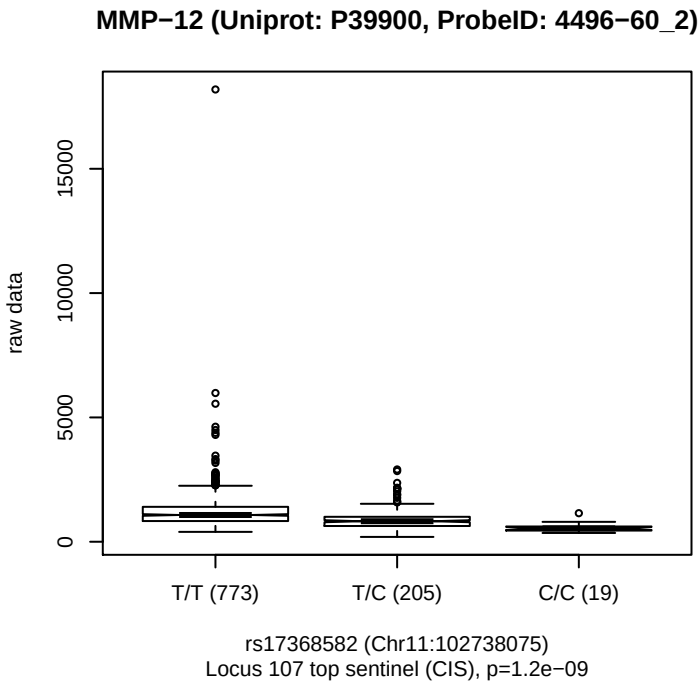

Protein C (Uniprot: P04070, ProbeID: 2961−1_2)
Frequency
0
100
200
300
9.5
10.0
10.5
11.0
11.5
log2−scaled data
Vitamin K−dependent protein C

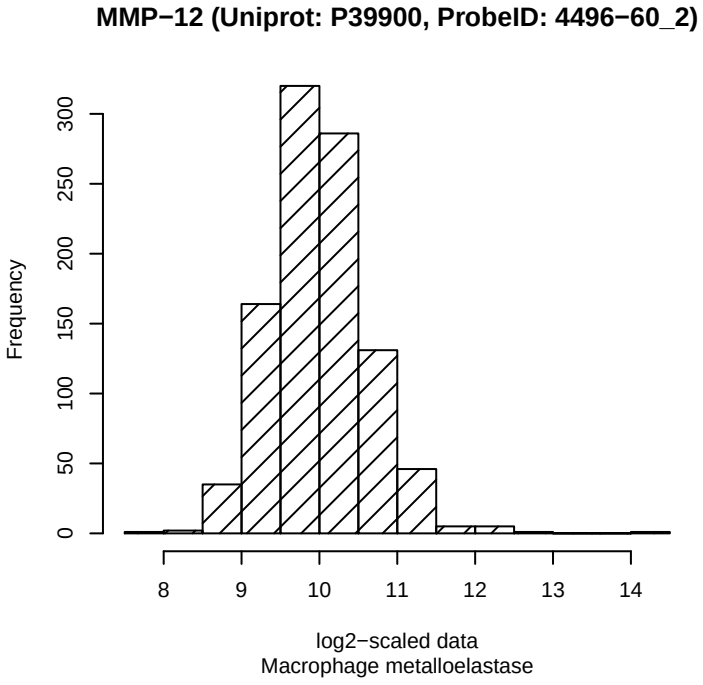

Protein C (Uniprot: P04070, ProbeID: 2961−1_2)
log2−scaled data
9.5
10.0
10.5
11.0
11.5
A/A (773)
A/G (212)
G/G (12)
rs867186 (Chr20:33764554)
Locus 106 top sentinel (TRANS), p=7.8e−27, FC=1.1276

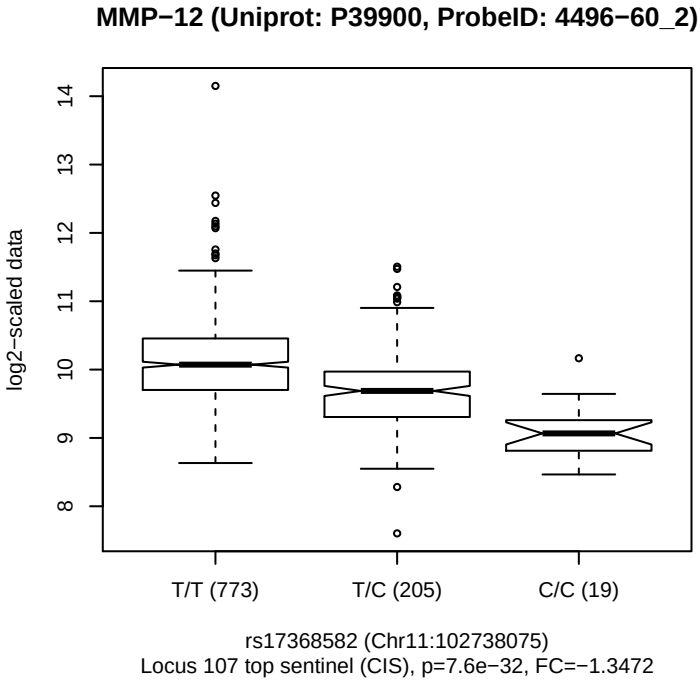

Protein C (Uniprot: P04070, ProbeID: 2961−1_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Vitamin K−dependent protein C

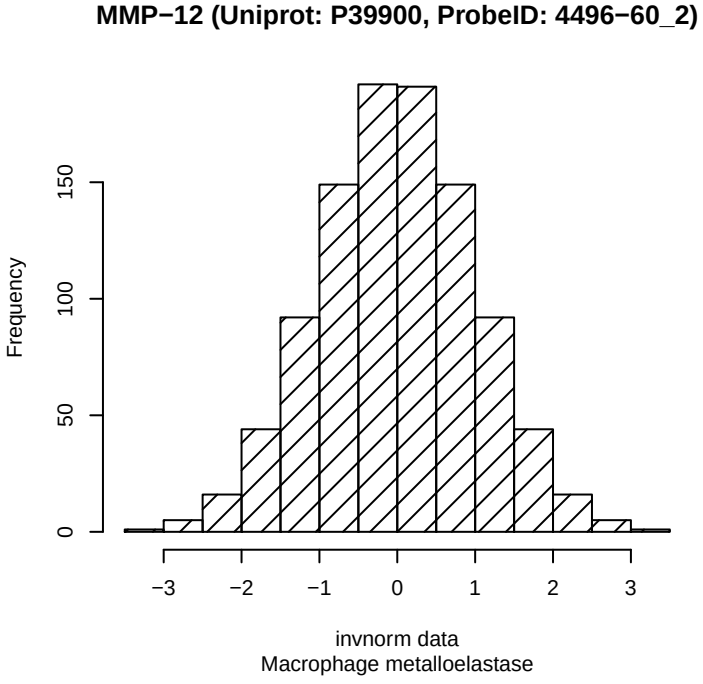

Protein C (Uniprot: P04070, ProbeID: 2961−1_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (773)
A/G (212)
G/G (12)
rs867186 (Chr20:33764554)
Locus 106 top sentinel (TRANS), p=5.4e−38

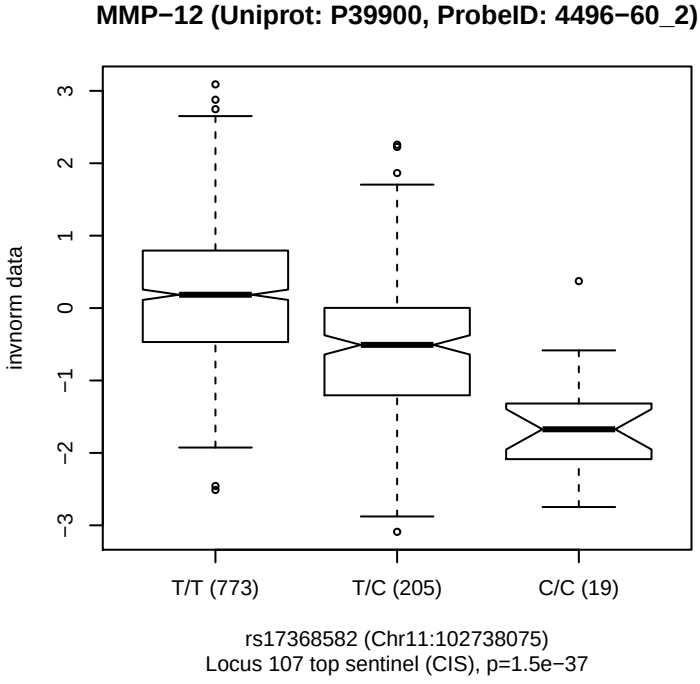

MMP−12 (Uniprot: P39900, ProbeID: 4496−60_2)
Frequency
0
200
400
600
800
0
5000
10000
15000
20000
raw data
Macrophage metalloelastase

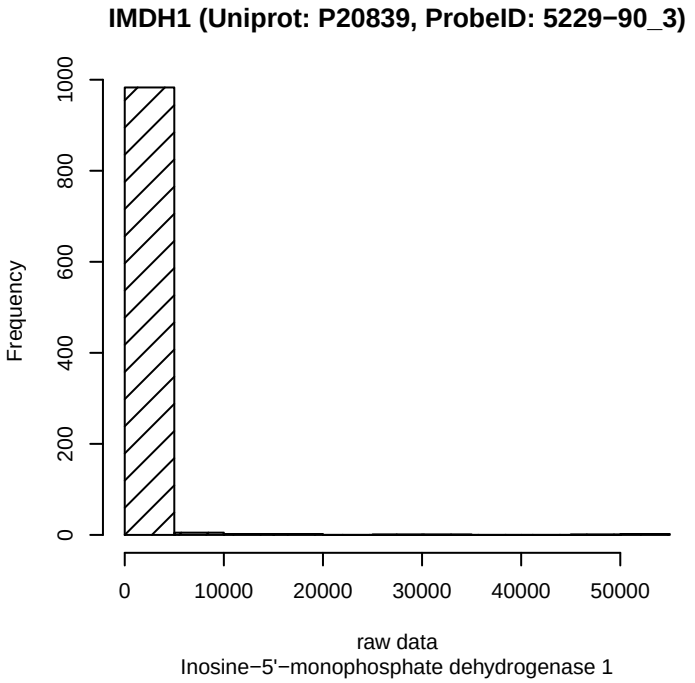

MMP−12 (Uniprot: P39900, ProbeID: 4496−60_2)
raw data
0
5000
10000
15000
T/T (773)
T/C (205)
C/C (19)
rs17368582 (Chr11:102738075)
Locus 107 top sentinel (CIS), p=1.2e−09

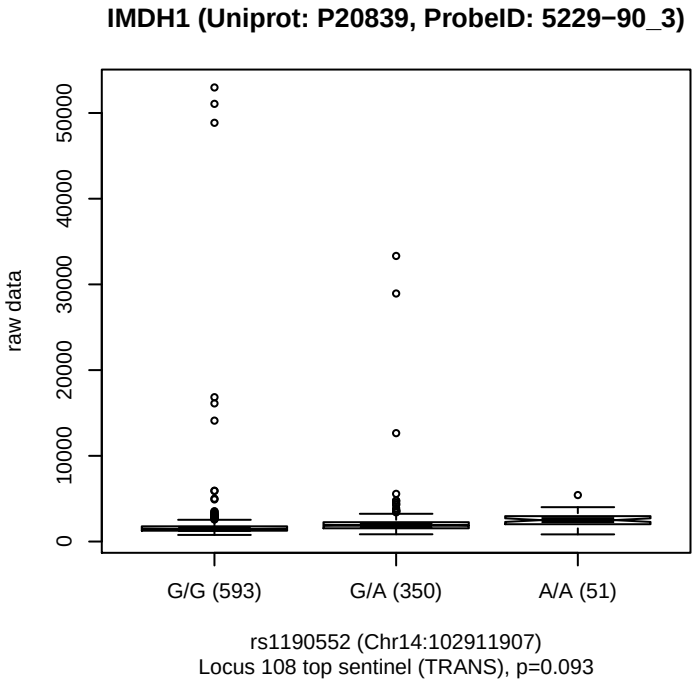

MMP−12 (Uniprot: P39900, ProbeID: 4496−60_2)
Frequency
0
50
100
150
200
250
300
8
9
10
11
12
13
14
log2−scaled data
Macrophage metalloelastase

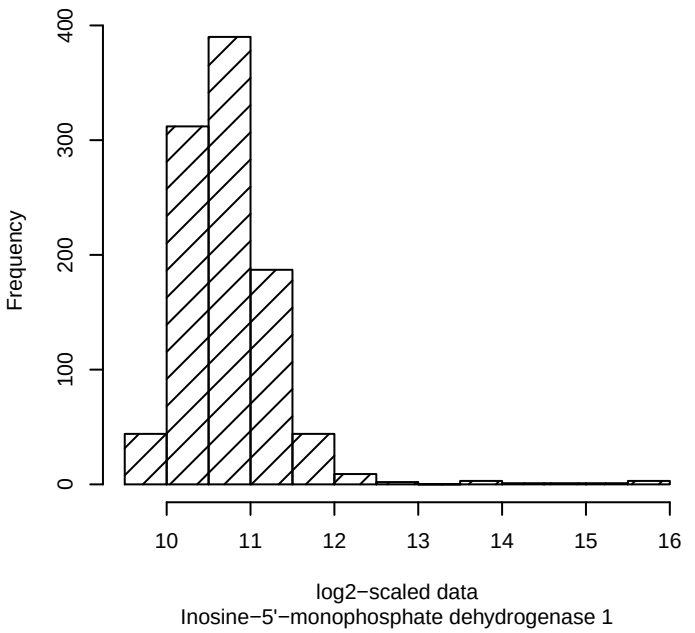

MMP−12 (Uniprot: P39900, ProbeID: 4496−60_2)
log2−scaled data
8
9
10
11
12
13
14
T/T (773)
T/C (205)
C/C (19)
rs17368582 (Chr11:102738075)
Locus 107 top sentinel (CIS), p=7.6e−32, FC=−1.3472

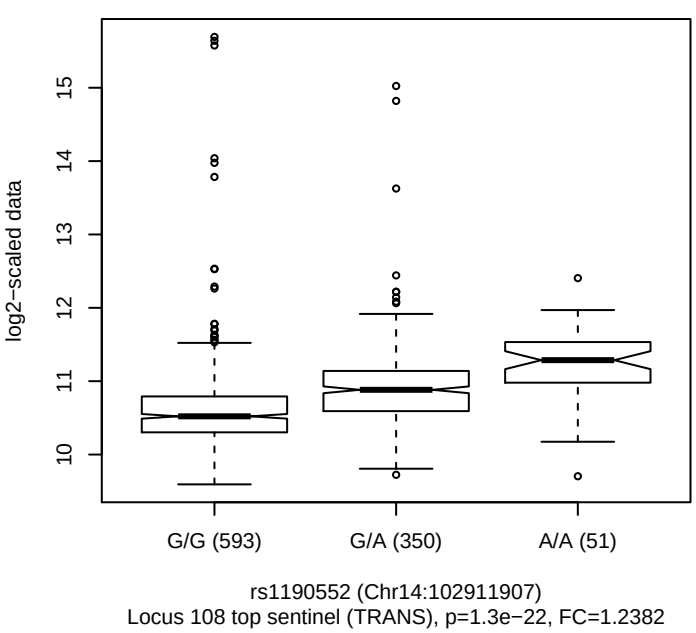

MMP−12 (Uniprot: P39900, ProbeID: 4496−60_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Macrophage metalloelastase

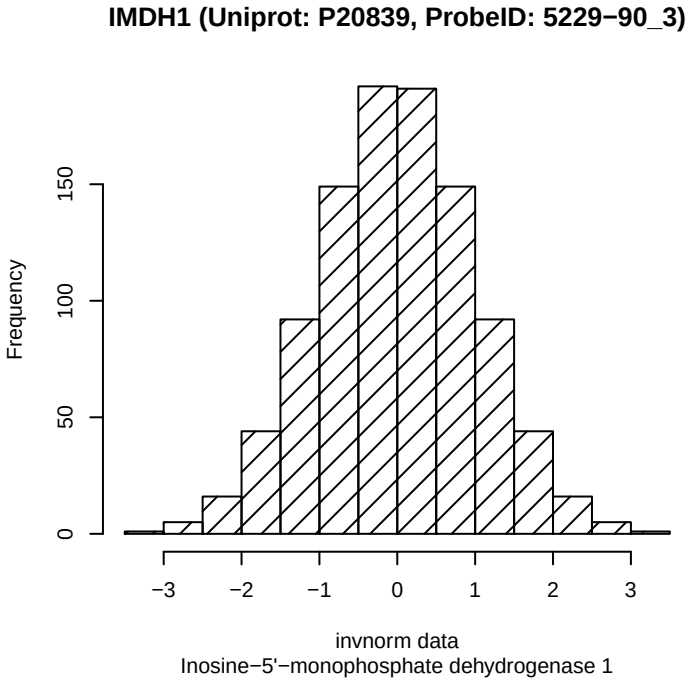

MMP−12 (Uniprot: P39900, ProbeID: 4496−60_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (773)
T/C (205)
C/C (19)
rs17368582 (Chr11:102738075)
Locus 107 top sentinel (CIS), p=1.5e−37

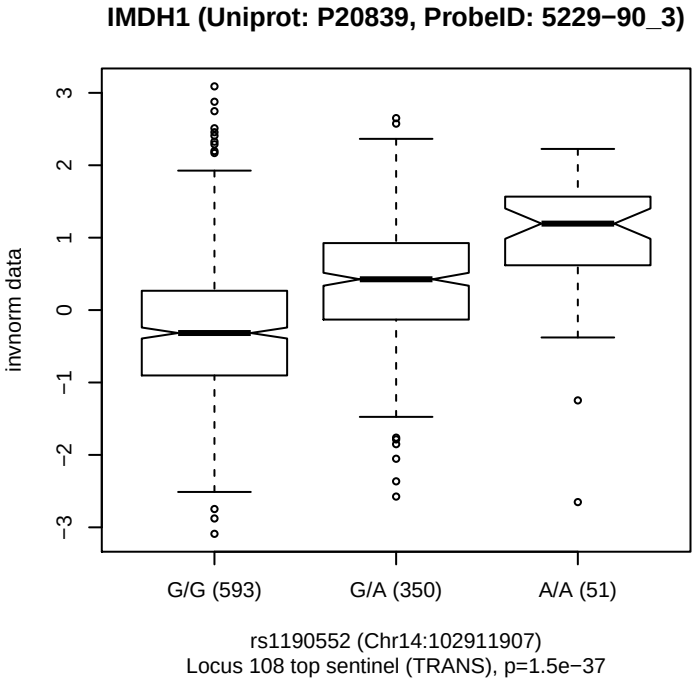

IMDH1 (Uniprot: P20839, ProbeID: 5229−90_3)
Frequency
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
raw data
Inosine−5'−monophosphate dehydrogenase 1


IMDH1 (Uniprot: P20839, ProbeID: 5229−90_3)
raw data
0
10000
20000
30000
40000
50000
G/G (593)
G/A (350)
A/A (51)
rs1190552 (Chr14:102911907)
Locus 108 top sentinel (TRANS), p=0.093

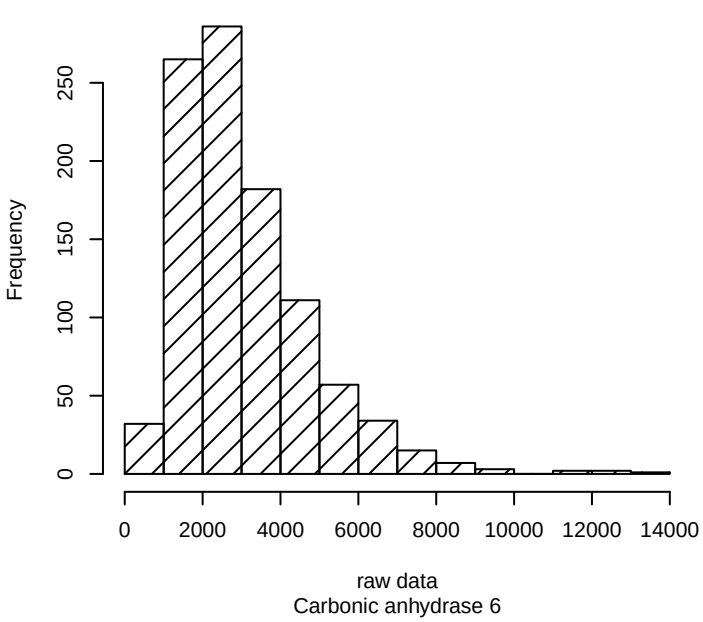

IMDH1 (Uniprot: P20839, ProbeID: 5229−90_3)
Frequency
0
100
200
300
400
10
11
12
13
14
15
16
log2−scaled data
Inosine−5'−monophosphate dehydrogenase 1


IMDH1 (Uniprot: P20839, ProbeID: 5229−90_3)
log2−scaled data
10
11
12
13
14
15
G/G (593)
G/A (350)
A/A (51)
rs1190552 (Chr14:102911907)
Locus 108 top sentinel (TRANS), p=1.3e−22, FC=1.2382

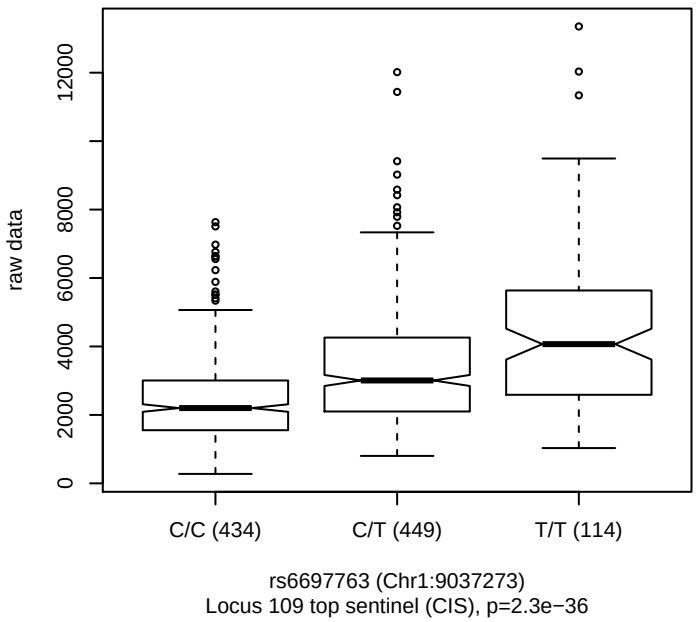

IMDH1 (Uniprot: P20839, ProbeID: 5229−90_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Inosine−5'−monophosphate dehydrogenase 1


IMDH1 (Uniprot: P20839, ProbeID: 5229−90_3)
invnorm data
−3
−2
−1
0
1
2
3
G/G (593)
G/A (350)
A/A (51)
rs1190552 (Chr14:102911907)
Locus 108 top sentinel (TRANS), p=1.5e−37

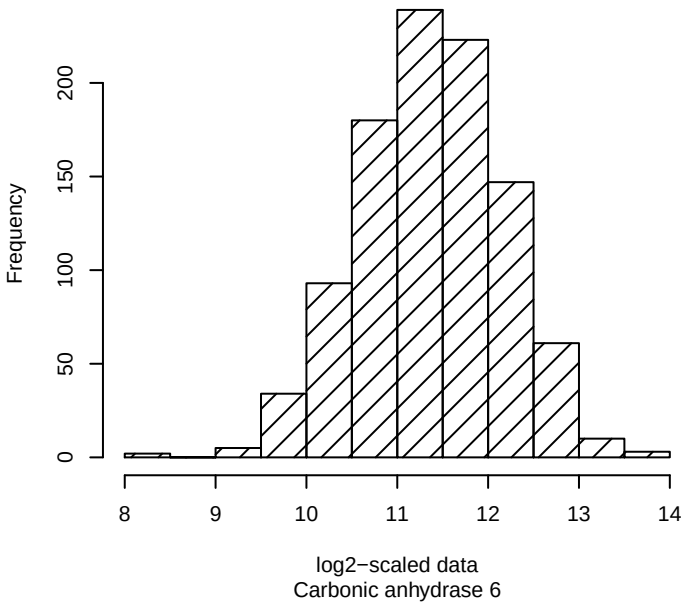
**Carbonic anhydrase 6 (Uniprot: P23280, ProbeID: 3352−80**



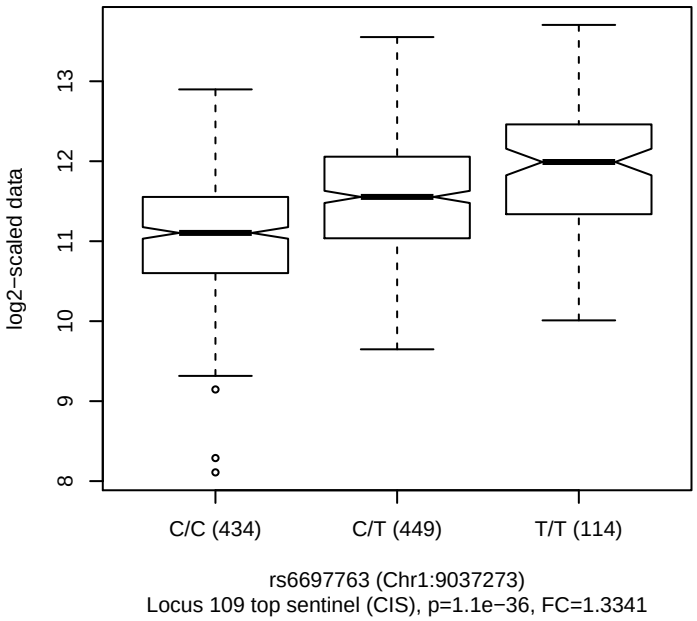

**Carbonic anhydrase 6 (Uniprot: P23280, ProbeID: 3352−80**



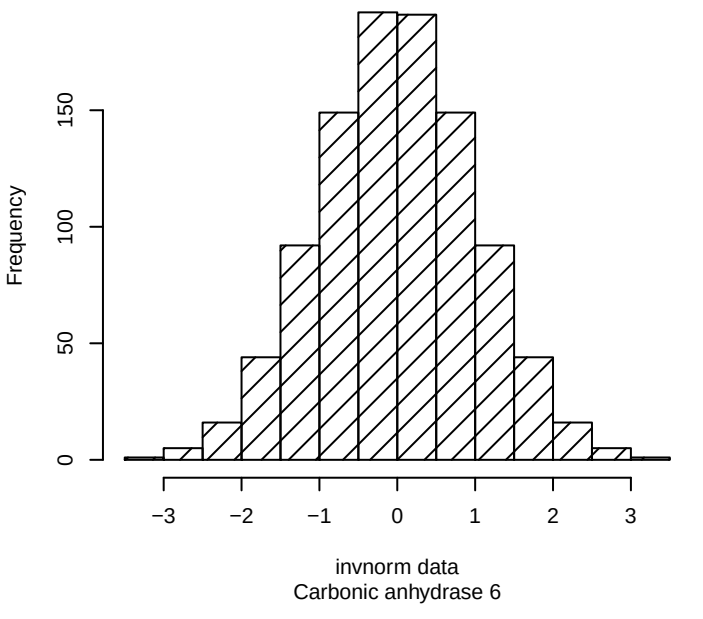

**Carbonic anhydrase 6 (Uniprot: P23280, ProbeID: 3352−80**



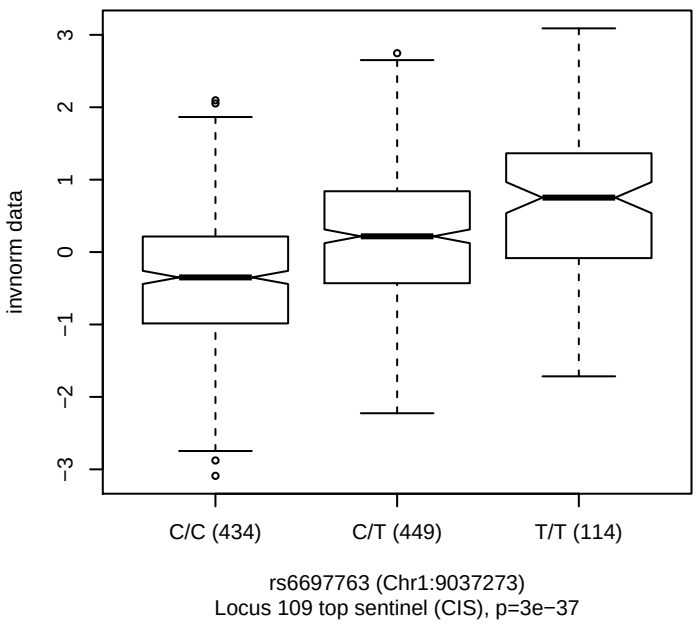

**Carbonic anhydrase 6 (Uniprot: P23280, ProbeID: 3352−80**

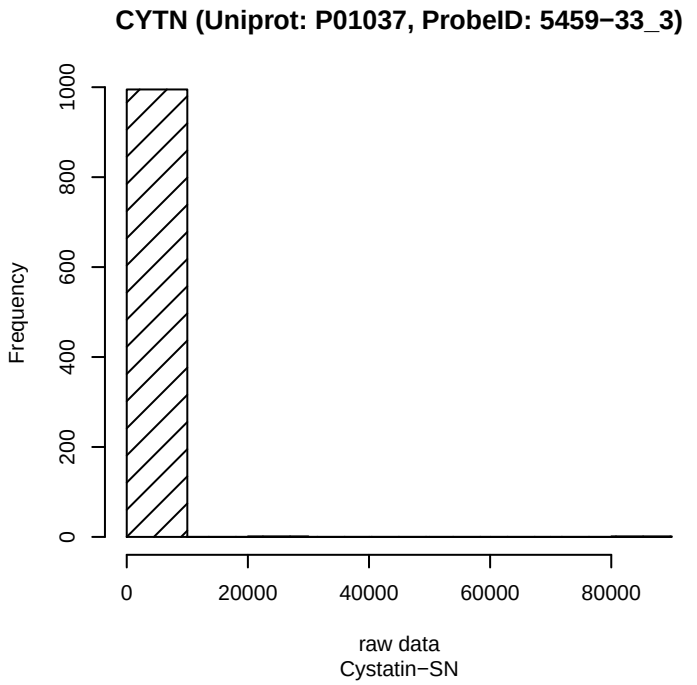


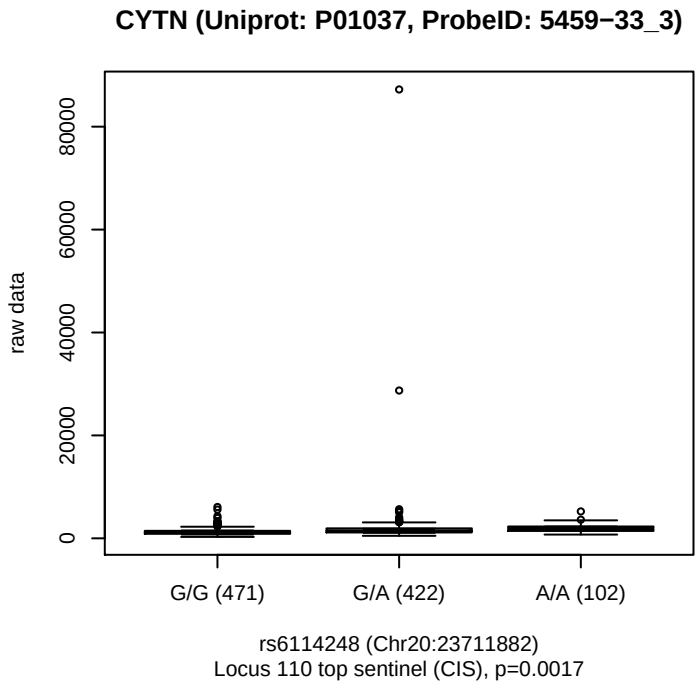

**Carbonic anhydrase 6 (Uniprot: P23280, ProbeID: 3352−80**

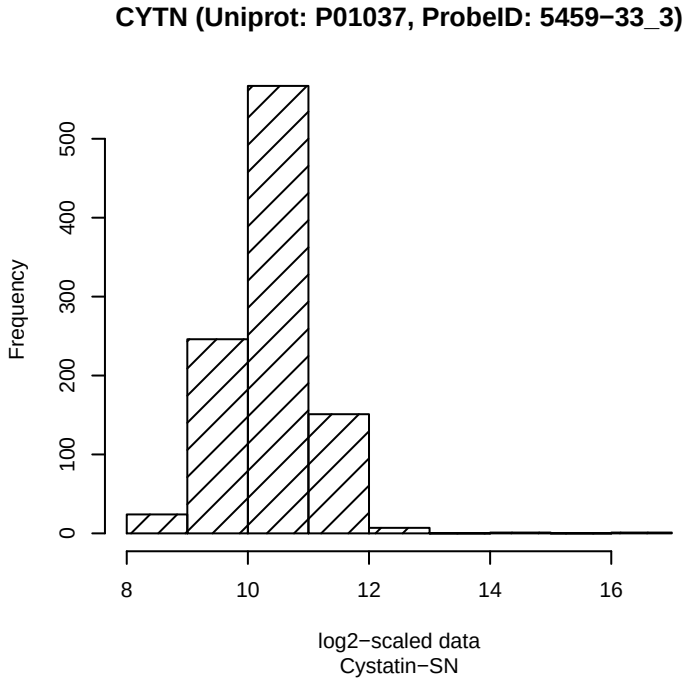


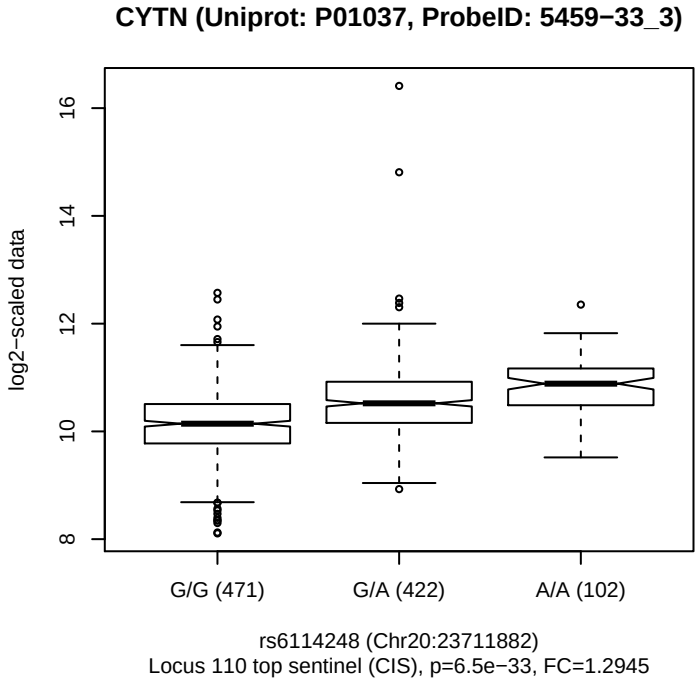

**Carbonic anhydrase 6 (Uniprot: P23280, ProbeID: 3352−80**

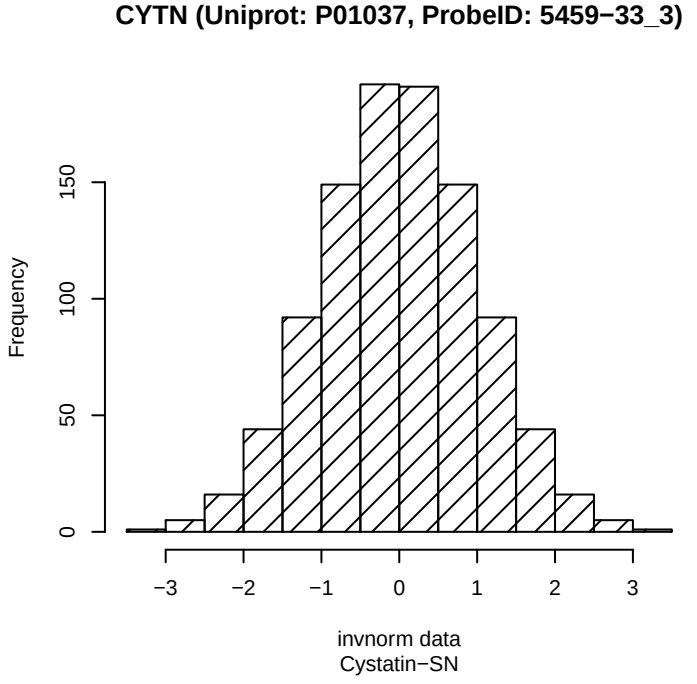


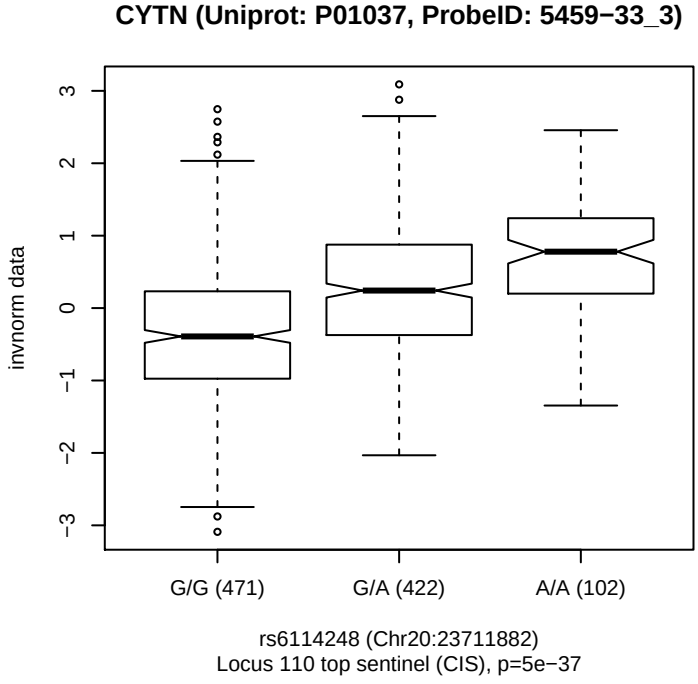

CYTN (Uniprot: P01037, ProbeID: 5459−33_3)
Frequency
0
200
400
600
800
1000
0
20000
40000
60000
80000
raw data
Cystatin−SN

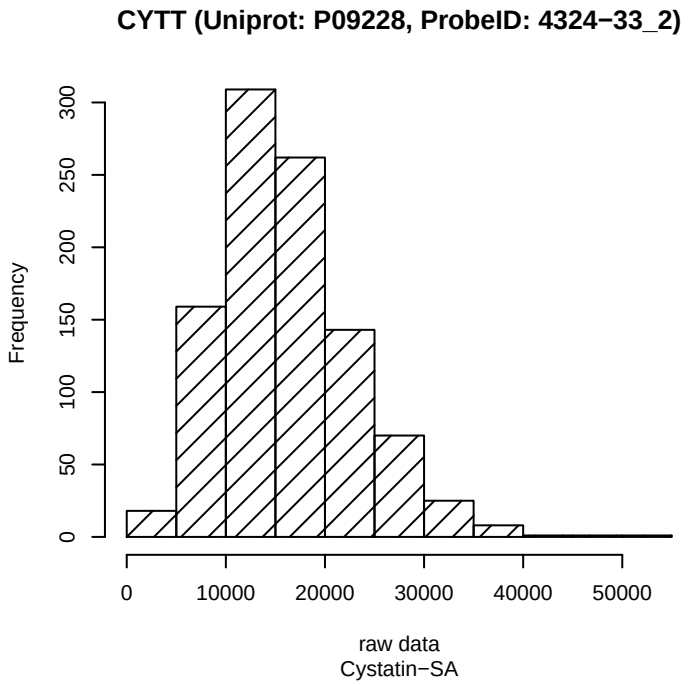

CYTN (Uniprot: P01037, ProbeID: 5459−33_3)
raw data
0
20000
40000
60000
80000
G/G (471)
G/A (422)
A/A (102)
rs6114248 (Chr20:23711882)
Locus 110 top sentinel (CIS), p=0.0017

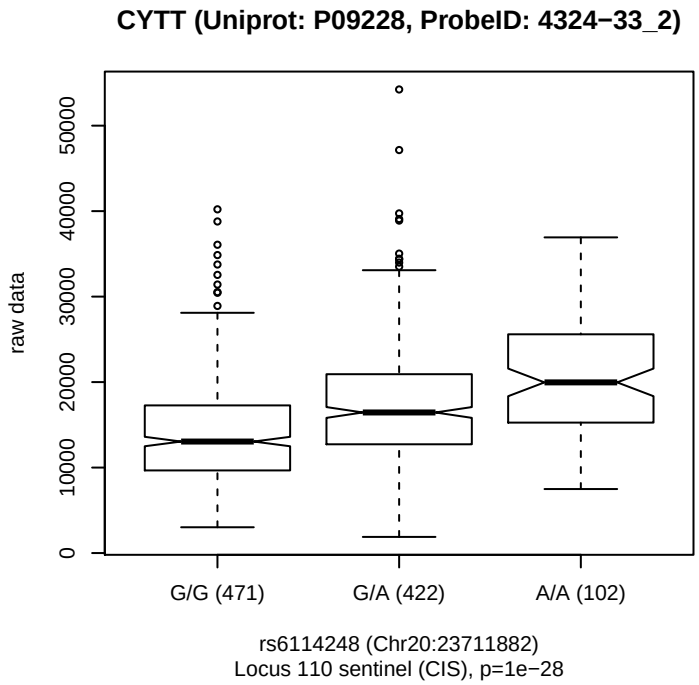

CYTN (Uniprot: P01037, ProbeID: 5459−33_3)
Frequency
0
100
200
300
400
500
8
10
12
14
16
log2−scaled data
Cystatin−SN

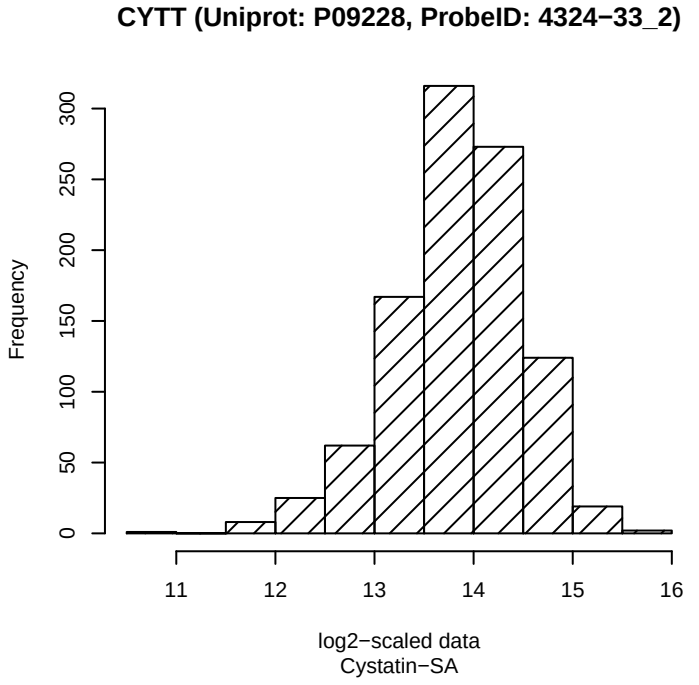

CYTN (Uniprot: P01037, ProbeID: 5459−33_3)
log2−scaled data
8
10
12
14
16
G/G (471)
G/A (422)
A/A (102)
rs6114248 (Chr20:23711882)
Locus 110 top sentinel (CIS), p=6.5e−33, FC=1.2945

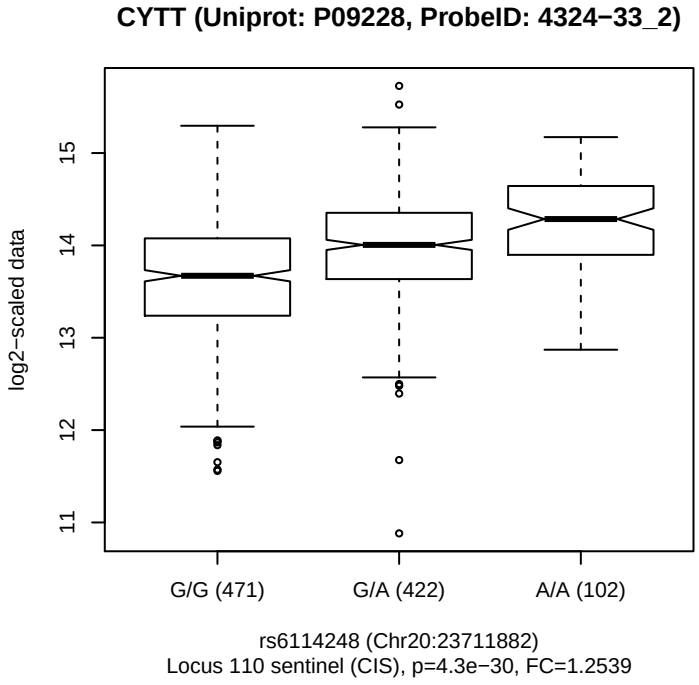

CYTN (Uniprot: P01037, ProbeID: 5459−33_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Cystatin−SN

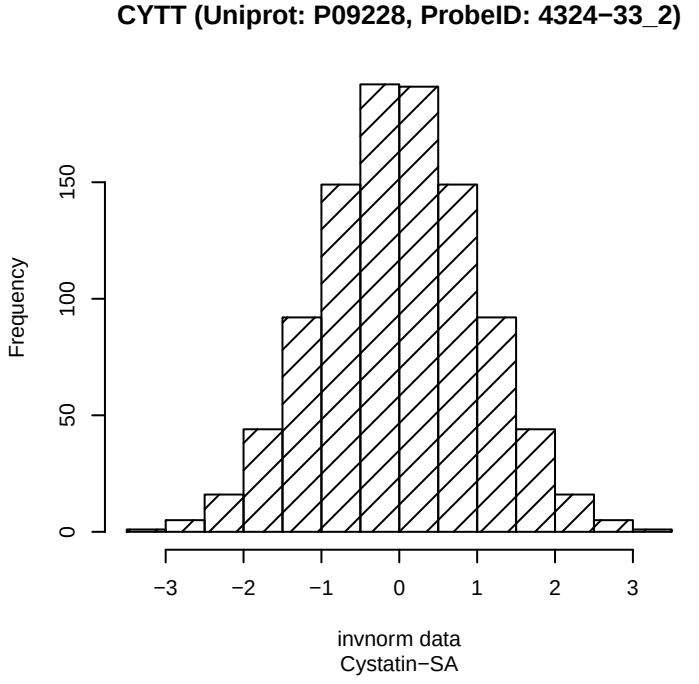

CYTN (Uniprot: P01037, ProbeID: 5459−33_3)
invnorm data
−3
−2
−1
0
1
2
3
G/G (471)
G/A (422)
A/A (102)
rs6114248 (Chr20:23711882)
Locus 110 top sentinel (CIS), p=5e−37

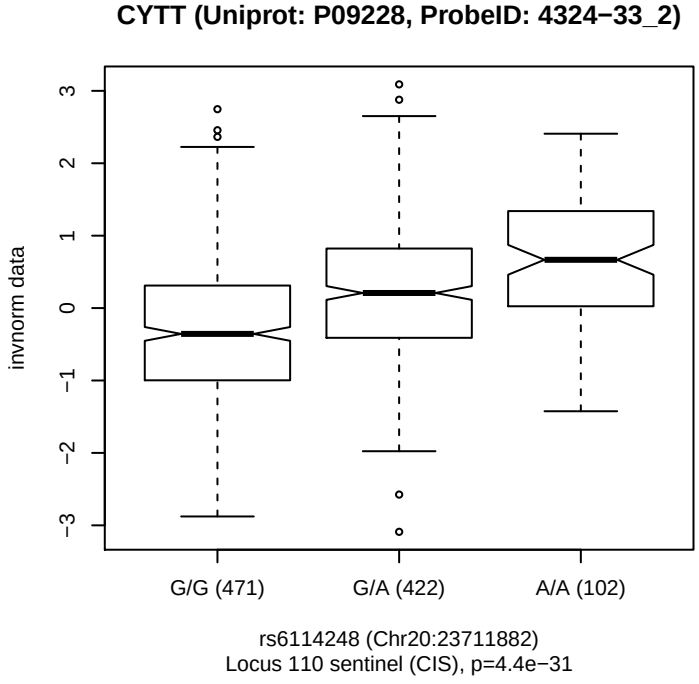

CYTT (Uniprot: P09228, ProbeID: 4324−33_2)
Frequency
0
50
100
150
200
250
300
0
10000
20000
30000
40000
50000
raw data
Cystatin−SA

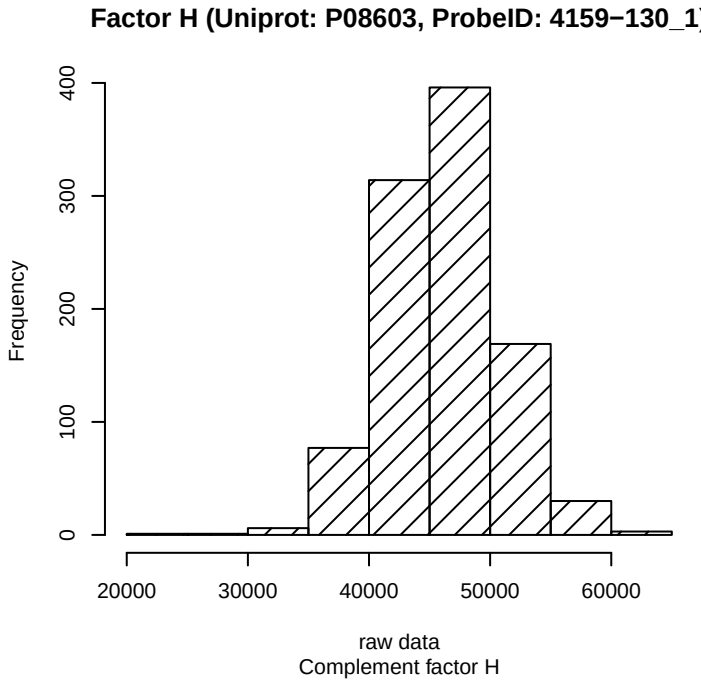

CYTT (Uniprot: P09228, ProbeID: 4324−33_2)
raw data
0
10000
20000
30000
40000
50000
G/G (471)
G/A (422)
A/A (102)
rs6114248 (Chr20:23711882)
Locus 110 sentinel (CIS), p=1e−28

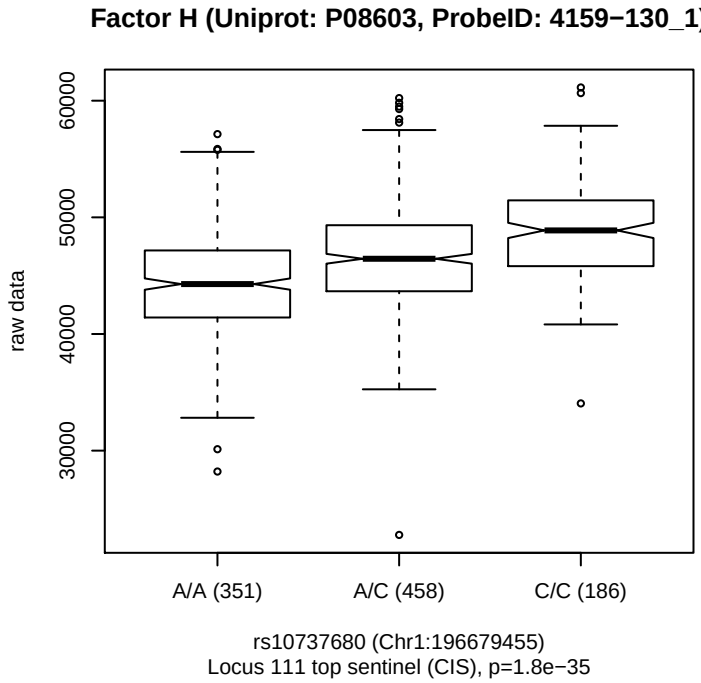

CYTT (Uniprot: P09228, ProbeID: 4324−33_2)
Frequency
0
50
100
150
200
250
300
11
12
13
14
15
16
log2−scaled data
Cystatin−SA

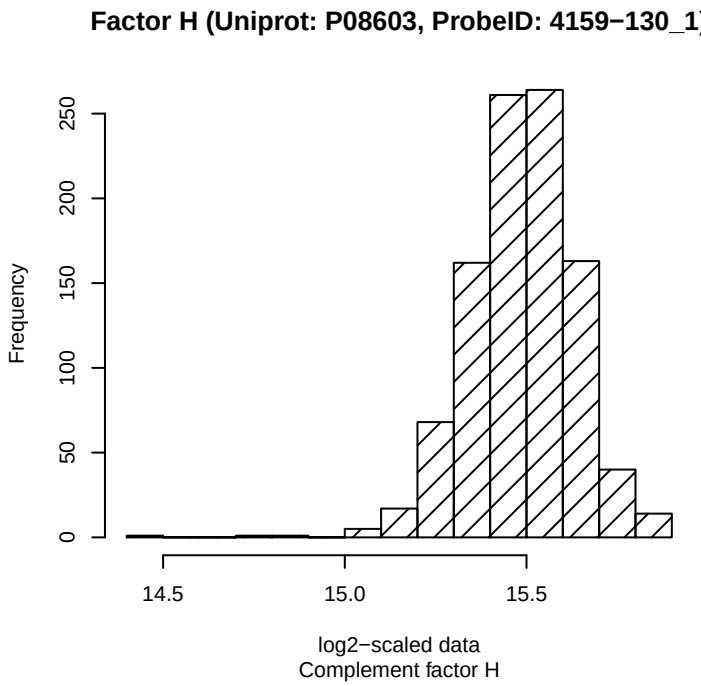

CYTT (Uniprot: P09228, ProbeID: 4324−33_2)
log2−scaled data
11
12
13
14
15
G/G (471)
G/A (422)
A/A (102)
rs6114248 (Chr20:23711882)
Locus 110 sentinel (CIS), p=4.3e−30, FC=1.2539

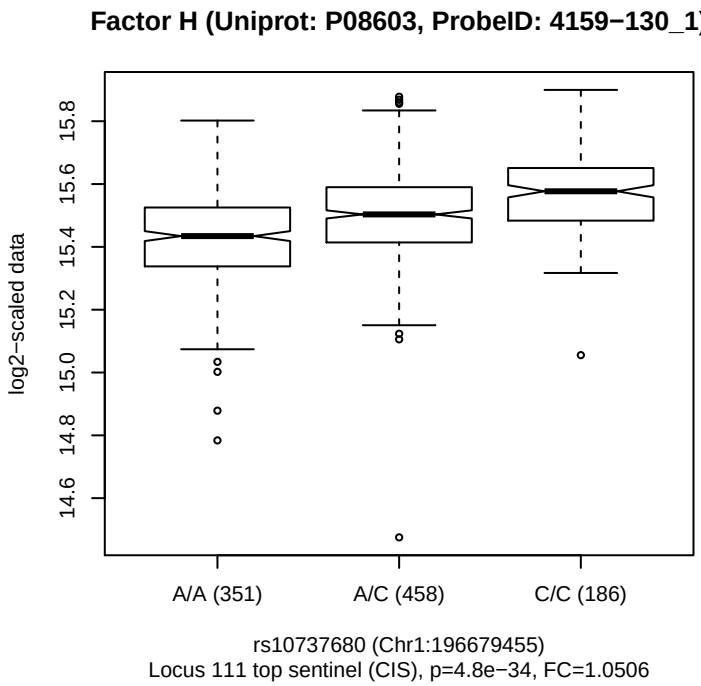

CYTT (Uniprot: P09228, ProbeID: 4324−33_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Cystatin−SA

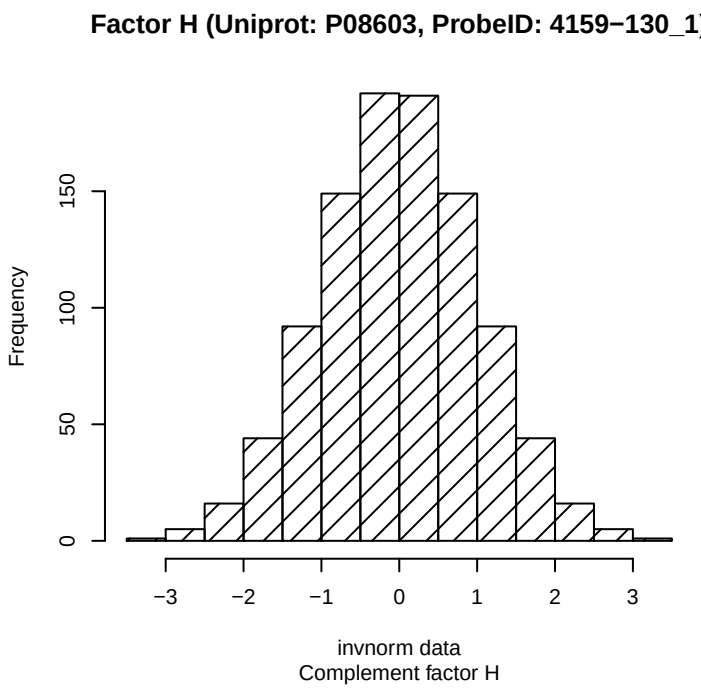

CYTT (Uniprot: P09228, ProbeID: 4324−33_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (471)
G/A (422)
A/A (102)
rs6114248 (Chr20:23711882)
Locus 110 sentinel (CIS), p=4.4e−31

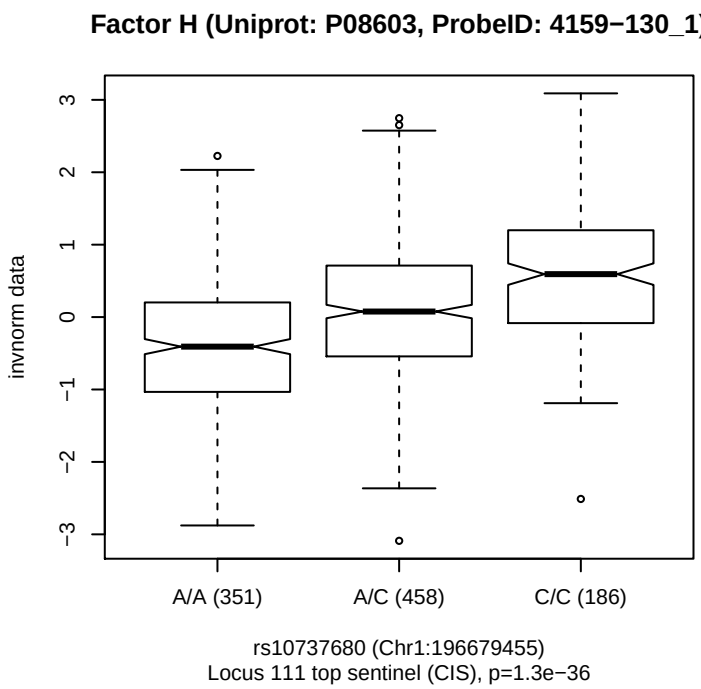

Factor H (Uniprot: P08603, ProbeID: 4159−130_1)
Frequency
0
100
200
300
400
20000
30000
40000
50000
60000
raw data
Complement factor H

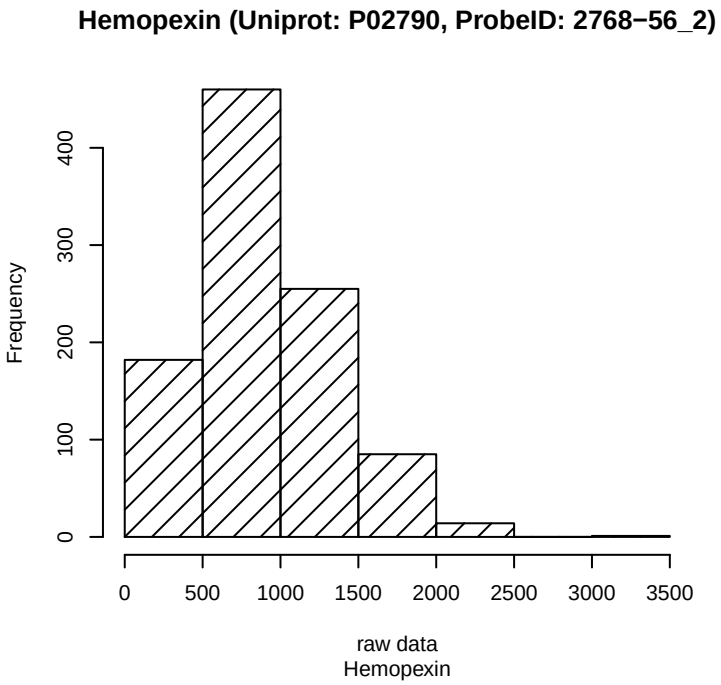

Factor H (Uniprot: P08603, ProbeID: 4159−130_1)
raw data
30000
40000
50000
60000
A/A (351)
A/C (458)
C/C (186)
rs10737680 (Chr1:196679455)
Locus 111 top sentinel (CIS), p=1.8e−35

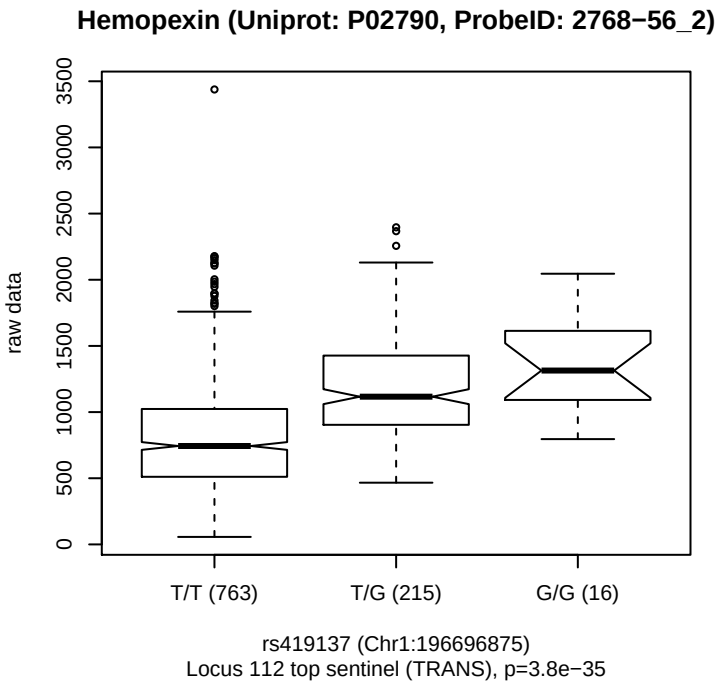

Factor H (Uniprot: P08603, ProbeID: 4159−130_1)
Frequency
0
50
100
150
200
250
14.5
15.0
15.5
log2−scaled data
Complement factor H

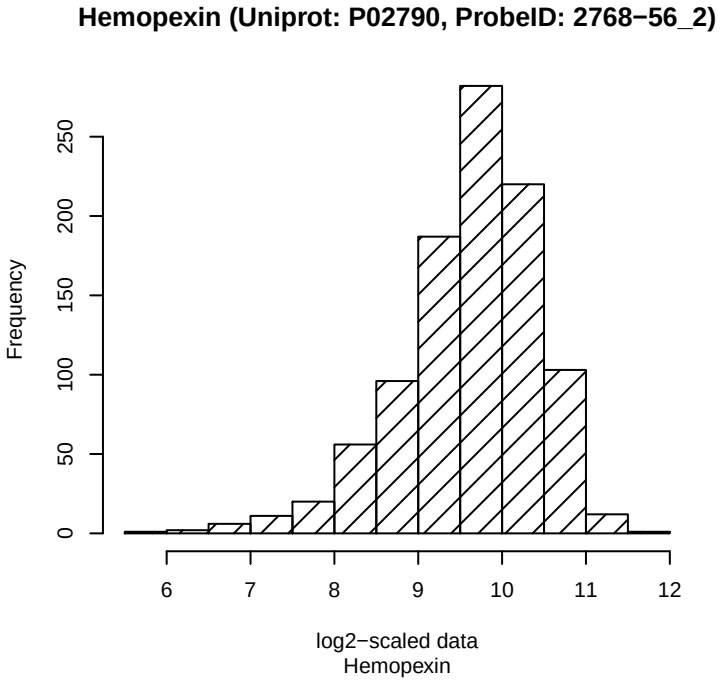

Factor H (Uniprot: P08603, ProbeID: 4159−130_1)
log2−scaled data
14.6
14.8
15.0
15.2
15.4
15.6
15.8
A/A (351)
A/C (458)
C/C (186)
rs10737680 (Chr1:196679455)
Locus 111 top sentinel (CIS), p=4.8e−34, FC=1.0506

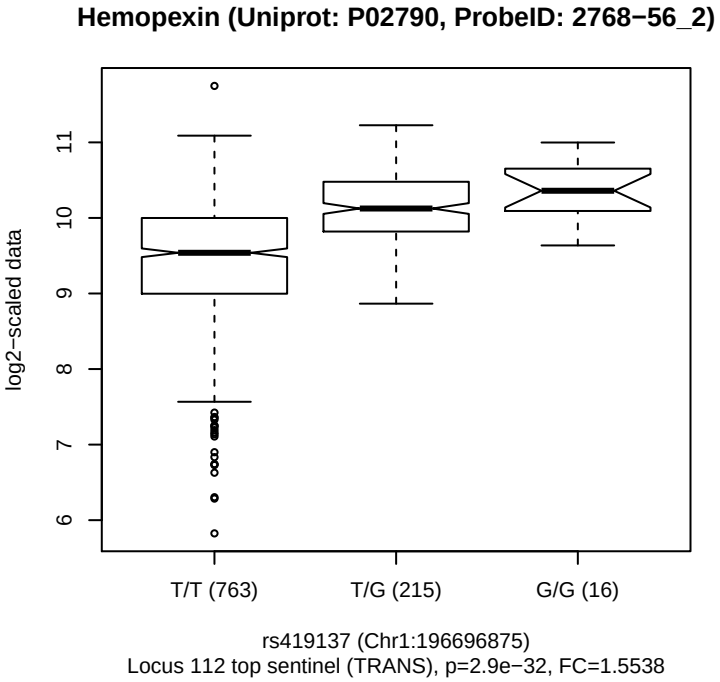

Factor H (Uniprot: P08603, ProbeID: 4159−130_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Complement factor H

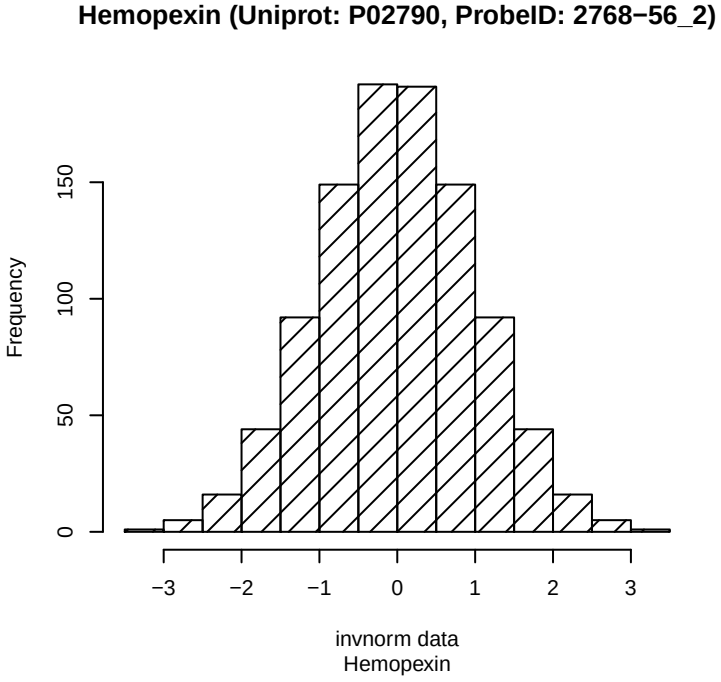

Factor H (Uniprot: P08603, ProbeID: 4159−130_1)
invnorm data
−3
−2
−1
0
1
2
3
A/A (351)
A/C (458)
C/C (186)
rs10737680 (Chr1:196679455)
Locus 111 top sentinel (CIS), p=1.3e−36

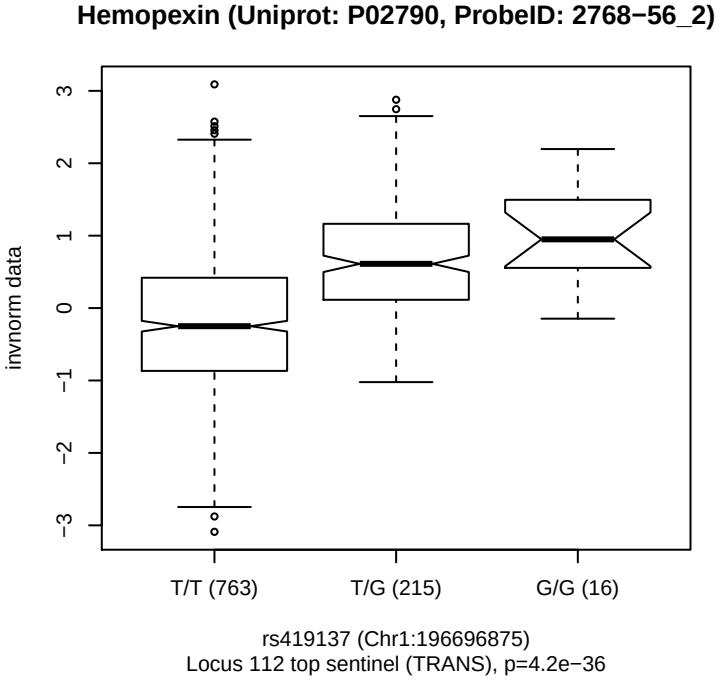

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
Frequency
0
100
200
300
400
0
500
1000
1500
2000
2500
3000
3500
raw data
Hemopexin

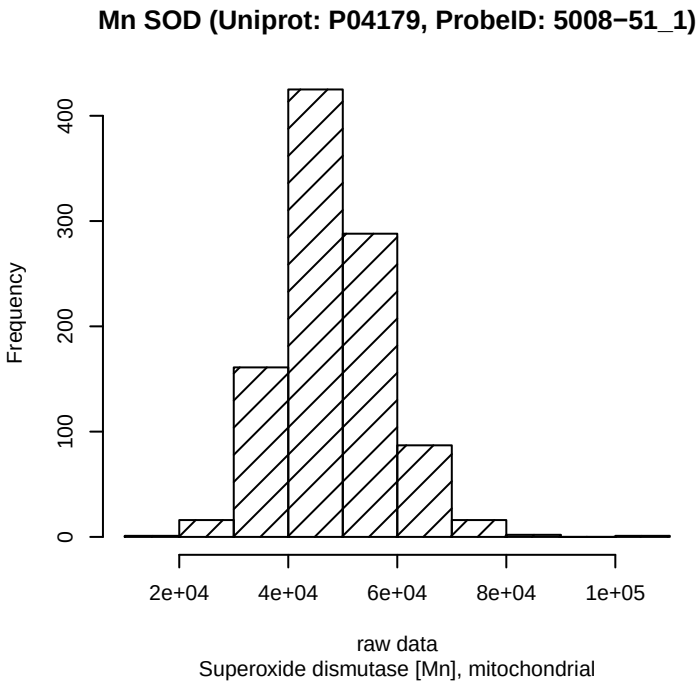

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
raw data
0
500
1000
1500
2000
2500
3000
3500
T/T (763)
T/G (215)
G/G (16)
rs419137 (Chr1:196696875)
Locus 112 top sentinel (TRANS), p=3.8e−35

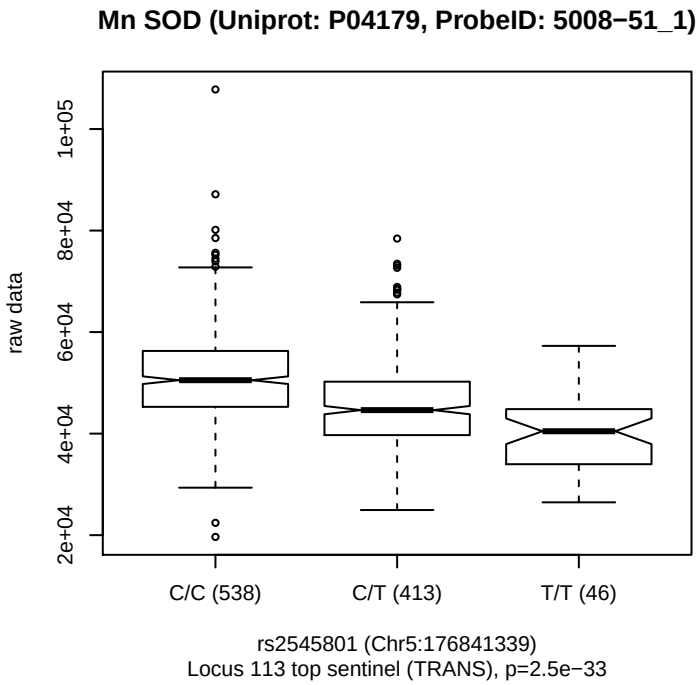

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
Frequency
0
50
100
150
200
250
6
7
8
9
10
11
12
log2−scaled data
Hemopexin

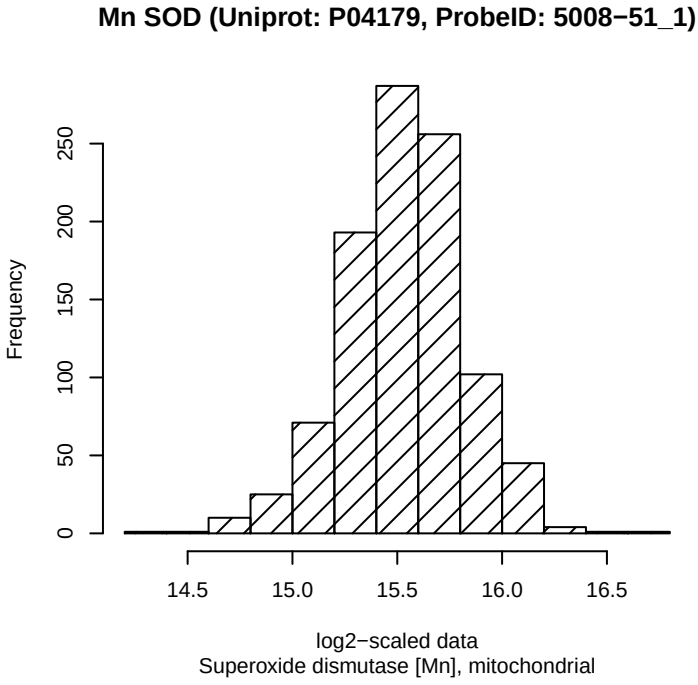

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
log2−scaled data
6
7
8
9
10
11
T/T (763)
T/G (215)
G/G (16)
rs419137 (Chr1:196696875)
Locus 112 top sentinel (TRANS), p=2.9e−32, FC=1.5538

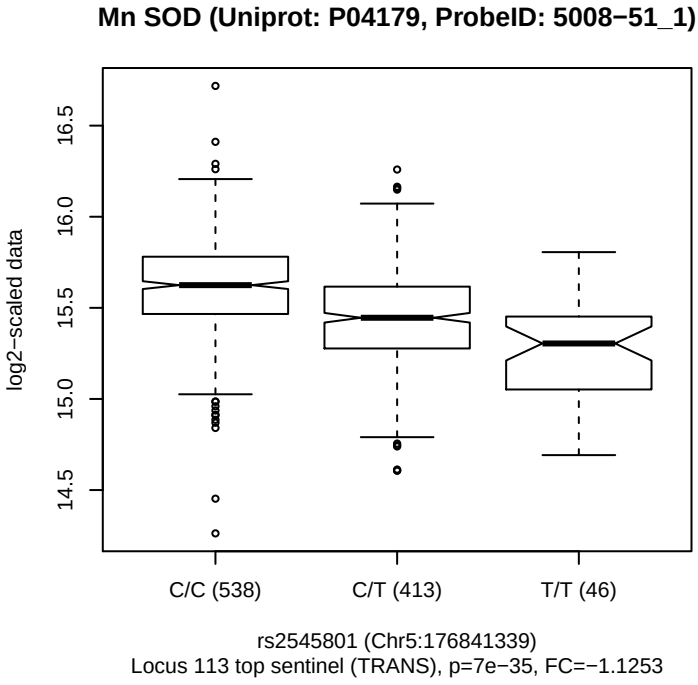

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Hemopexin

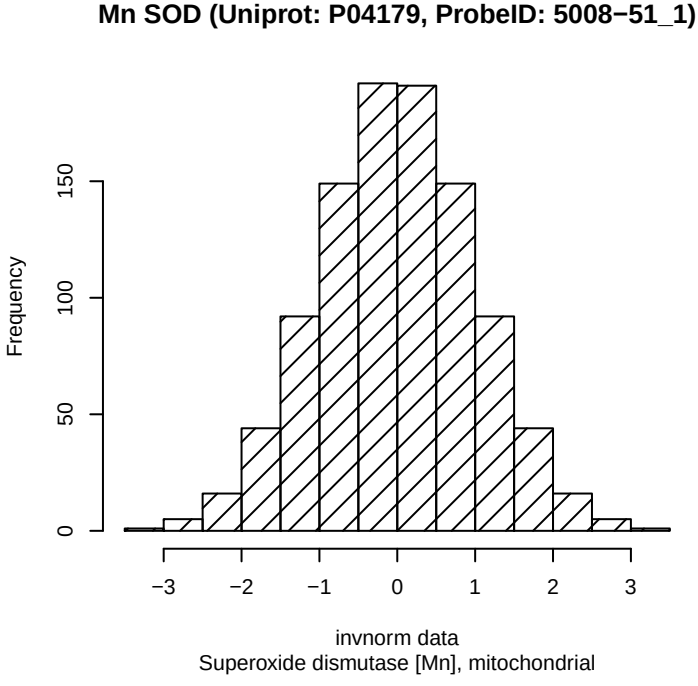

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (763)
T/G (215)
G/G (16)
rs419137 (Chr1:196696875)
Locus 112 top sentinel (TRANS), p=4.2e−36

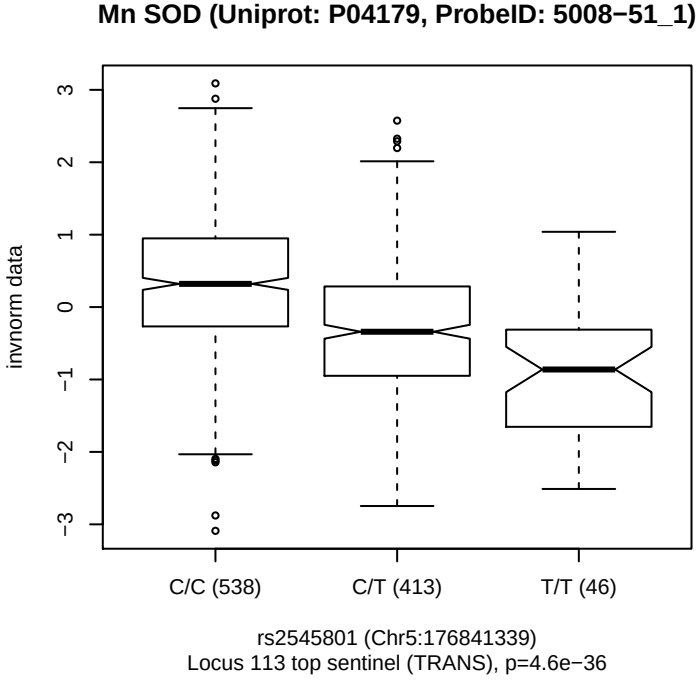

Mn SOD (Uniprot: P04179, ProbeID: 5008−51_1)
Frequency
0
100
200
300
400
2e+04
4e+04
6e+04
8e+04
1e+05
raw data
Superoxide dismutase [Mn], mitochondrial

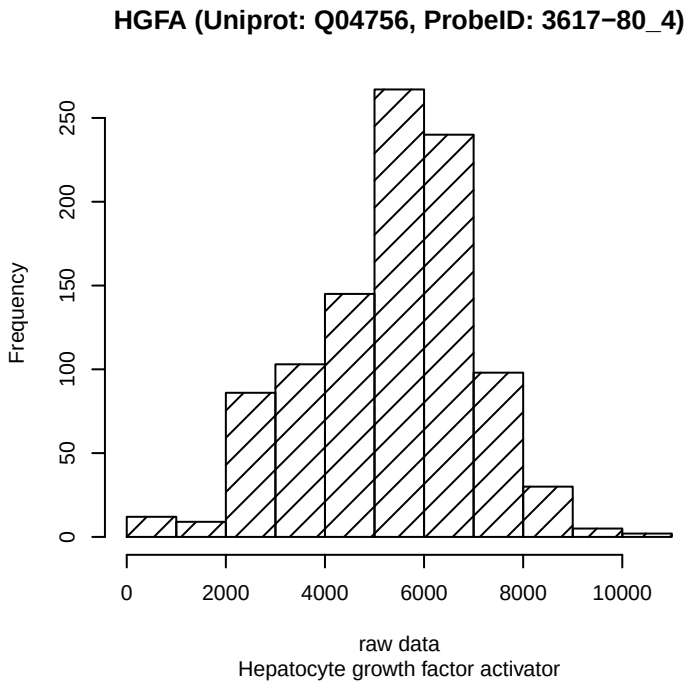

Mn SOD (Uniprot: P04179, ProbeID: 5008−51_1)
raw data
2e+04
4e+04
6e+04
8e+04
1e+05
C/C (538)
C/T (413)
T/T (46)
rs2545801 (Chr5:176841339)
Locus 113 top sentinel (TRANS), p=2.5e−33

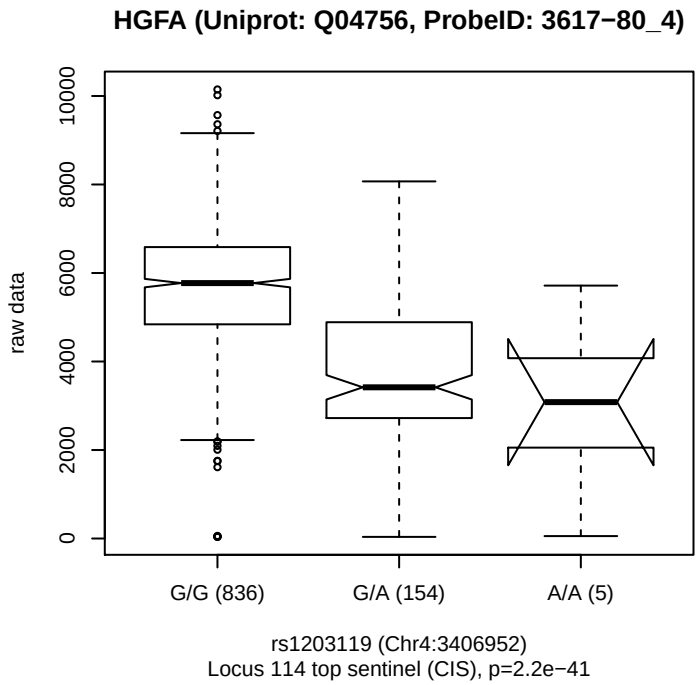

Mn SOD (Uniprot: P04179, ProbeID: 5008−51_1)
Frequency
0
50
100
150
200
250
14.5
15.0
15.5
16.0
16.5
log2−scaled data
Superoxide dismutase [Mn], mitochondrial

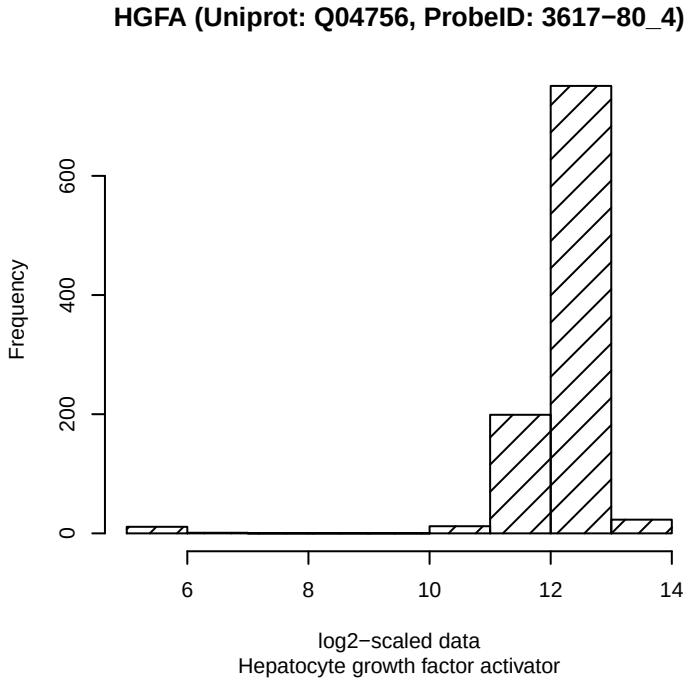

Mn SOD (Uniprot: P04179, ProbeID: 5008−51_1)
log2−scaled data
14.5
15.0
15.5
16.0
16.5
C/C (538)
C/T (413)
T/T (46)
rs2545801 (Chr5:176841339)
Locus 113 top sentinel (TRANS), p=7e−35, FC=−1.1253

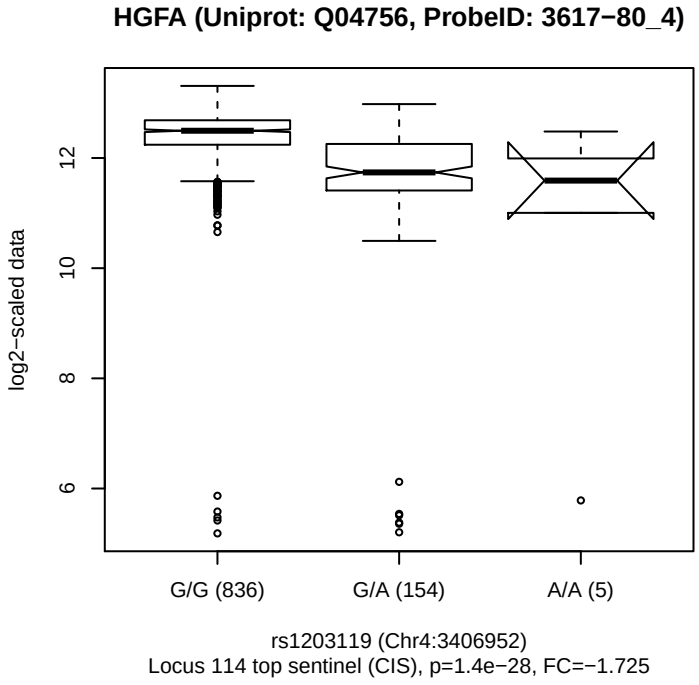

Mn SOD (Uniprot: P04179, ProbeID: 5008−51_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Superoxide dismutase [Mn], mitochondrial

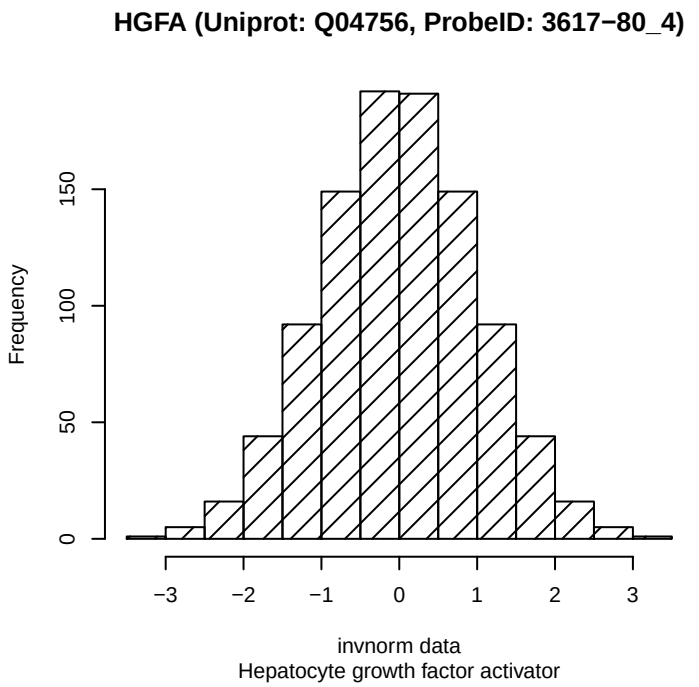

Mn SOD (Uniprot: P04179, ProbeID: 5008−51_1)
invnorm data
−3
−2
−1
0
1
2
3
C/C (538)
C/T (413)
T/T (46)
rs2545801 (Chr5:176841339)
Locus 113 top sentinel (TRANS), p=4.6e−36

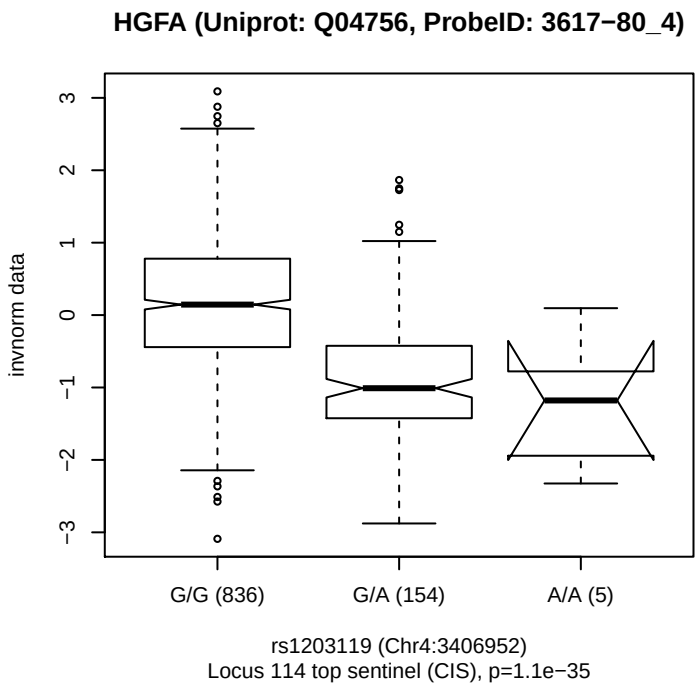

HGFA (Uniprot: Q04756, ProbeID: 3617−80_4)
Frequency
0
50
100
150
200
250
0
2000
4000
6000
8000
10000
raw data
Hepatocyte growth factor activator

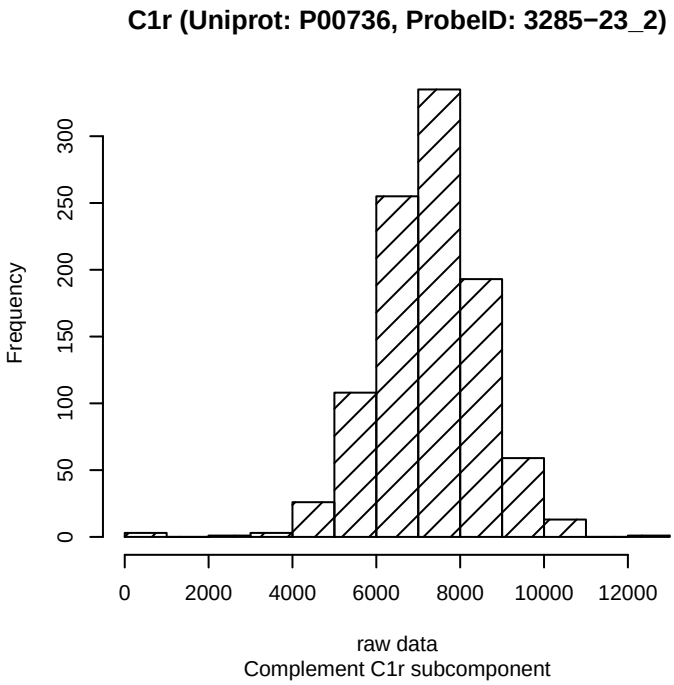

HGFA (Uniprot: Q04756, ProbeID: 3617−80_4)
raw data
0
2000
4000
6000
8000
10000
G/G (836)
G/A (154)
A/A (5)
rs1203119 (Chr4:3406952)
Locus 114 top sentinel (CIS), p=2.2e−41

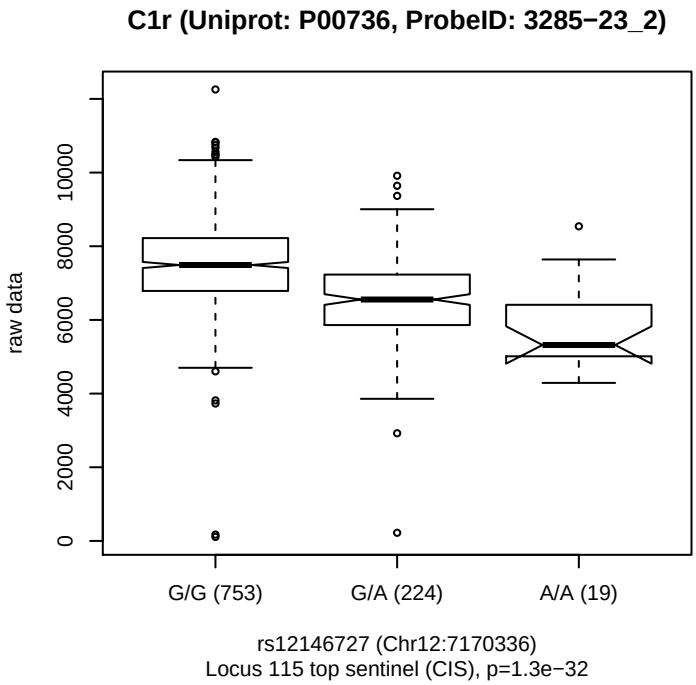

HGFA (Uniprot: Q04756, ProbeID: 3617−80_4)
Frequency
0
200
400
600
6
8
10
12
14
log2−scaled data
Hepatocyte growth factor activator

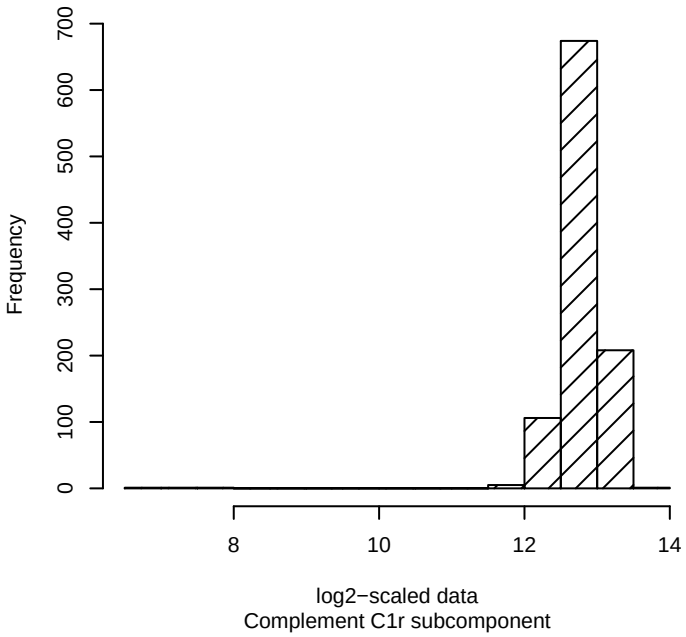

HGFA (Uniprot: Q04756, ProbeID: 3617−80_4)
log2−scaled data
6
8
10
12
G/G (836)
G/A (154)
A/A (5)
rs1203119 (Chr4:3406952)
Locus 114 top sentinel (CIS), p=1.4e−28, FC=−1.725

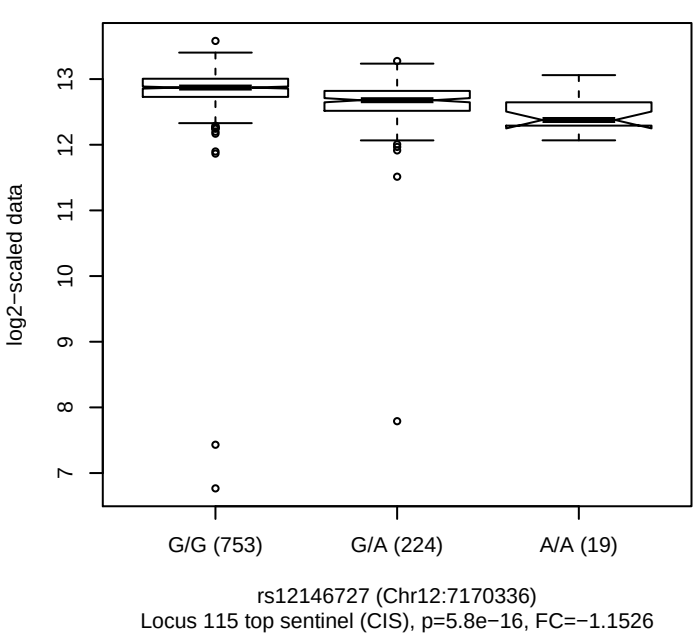

HGFA (Uniprot: Q04756, ProbeID: 3617−80_4)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Hepatocyte growth factor activator

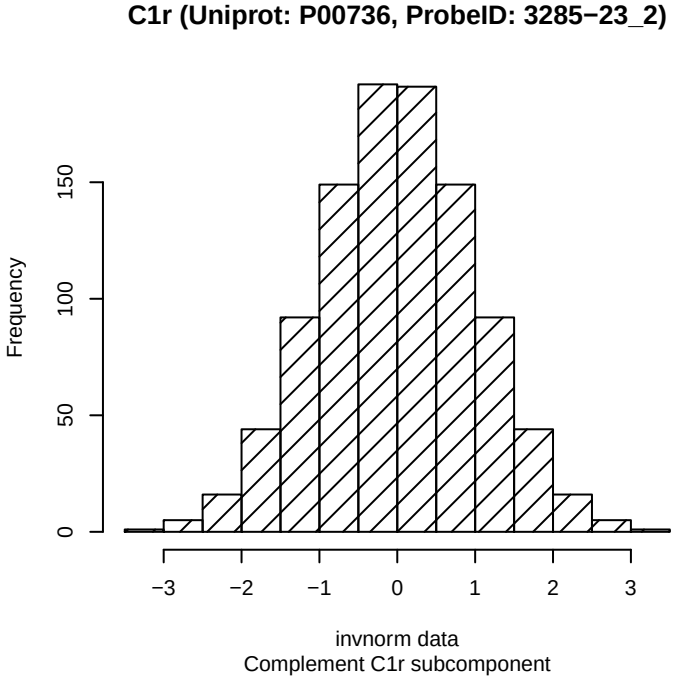

HGFA (Uniprot: Q04756, ProbeID: 3617−80_4)
invnorm data
−3
−2
−1
0
1
2
3
G/G (836)
G/A (154)
A/A (5)
rs1203119 (Chr4:3406952)
Locus 114 top sentinel (CIS), p=1.1e−35

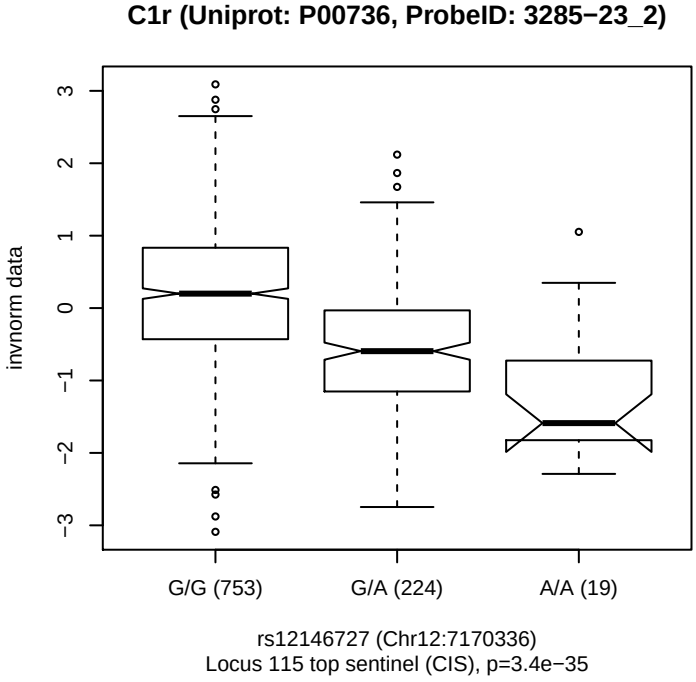

C1r (Uniprot: P00736, ProbeID: 3285−23_2)
Frequency
0
50
100
150
200
250
300
0
2000
4000
6000
8000
10000
12000
raw data
Complement C1r subcomponent


C1r (Uniprot: P00736, ProbeID: 3285−23_2)
raw data
0
2000
4000
6000
8000
10000
G/G (753)
G/A (224)
A/A (19)
rs12146727 (Chr12:7170336)
Locus 115 top sentinel (CIS), p=1.3e−32

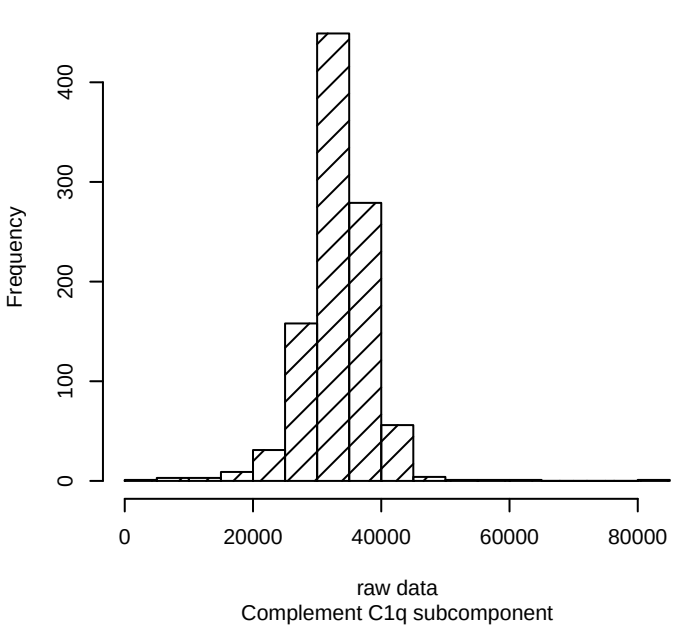

C1r (Uniprot: P00736, ProbeID: 3285−23_2)
Frequency
0
100
200
300
400
500
600
700
8
10
12
14
log2−scaled data
Complement C1r subcomponent


C1r (Uniprot: P00736, ProbeID: 3285−23_2)
log2−scaled data
7
8
9
10
11
12
13
G/G (753)
G/A (224)
A/A (19)
rs12146727 (Chr12:7170336)
Locus 115 top sentinel (CIS), p=5.8e−16, FC=−1.1526

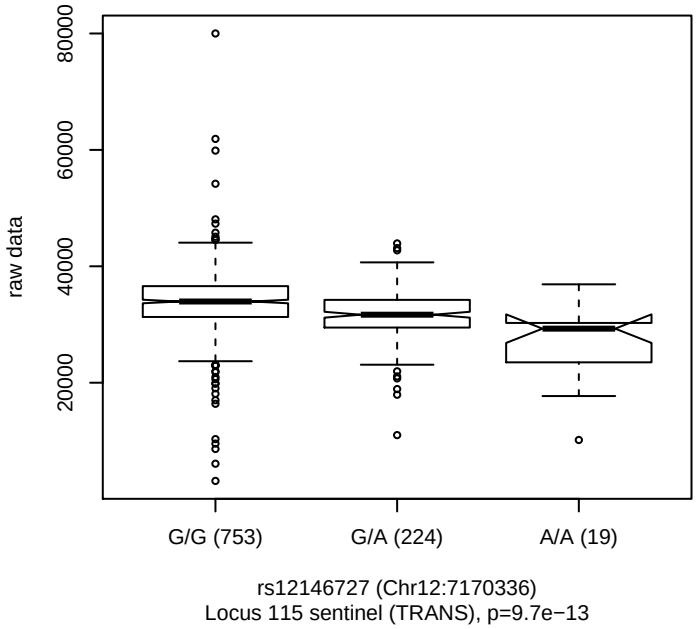

C1r (Uniprot: P00736, ProbeID: 3285−23_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Complement C1r subcomponent


C1r (Uniprot: P00736, ProbeID: 3285−23_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (753)
G/A (224)
A/A (19)
rs12146727 (Chr12:7170336)
Locus 115 top sentinel (CIS), p=3.4e−35

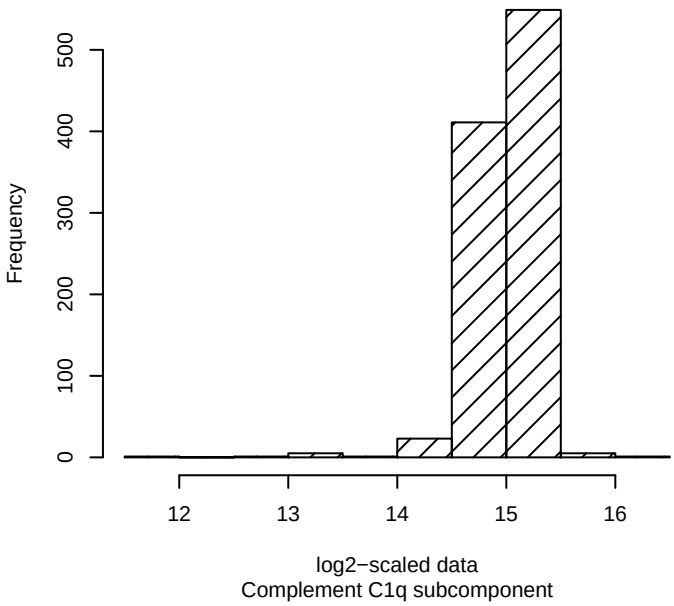
**C1q (Uniprot: P02745 P02746 P02747, ProbeID: 2753−2_**



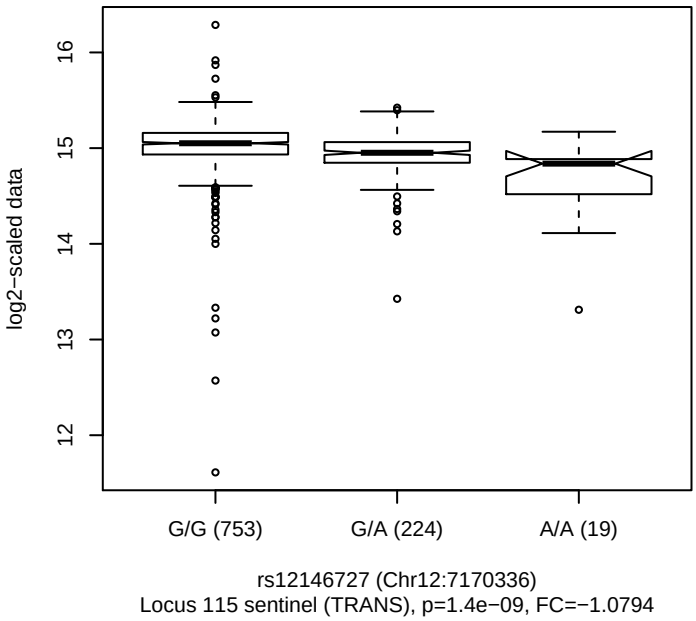

**C1q (Uniprot: P02745 P02746 P02747, ProbeID: 2753−2_**



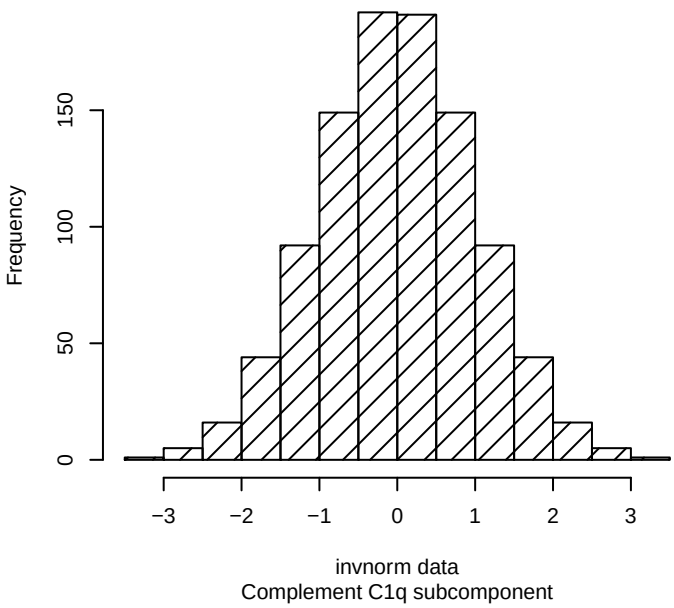

**C1q (Uniprot: P02745 P02746 P02747, ProbeID: 2753−2_**



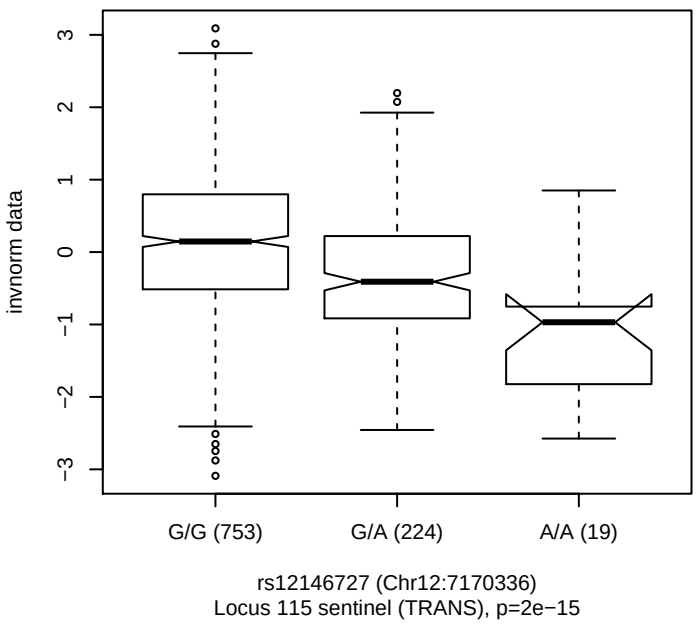

**C1q (Uniprot: P02745 P02746 P02747, ProbeID: 2753−2_**

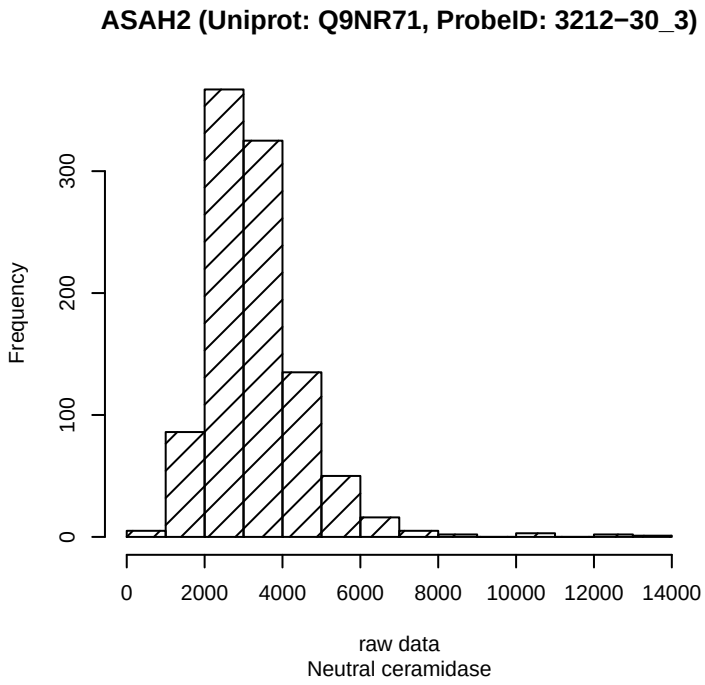


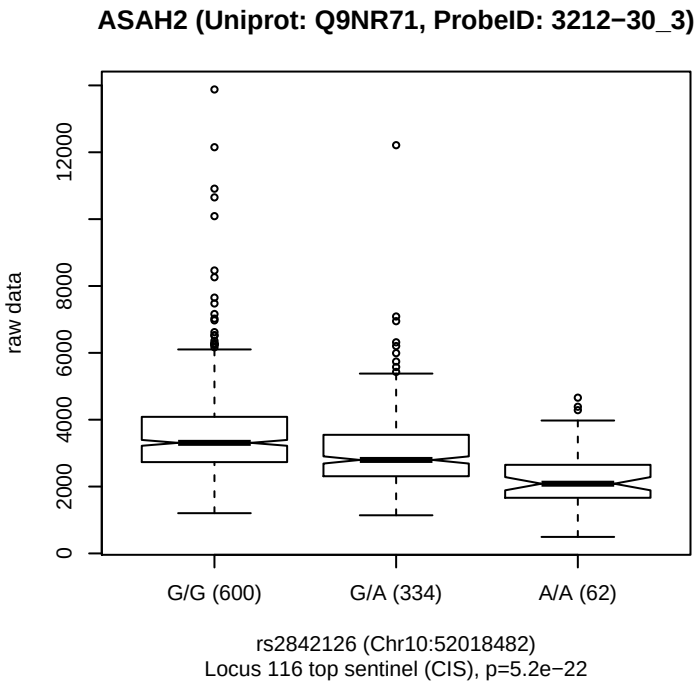

**C1q (Uniprot: P02745 P02746 P02747, ProbeID: 2753−2_**

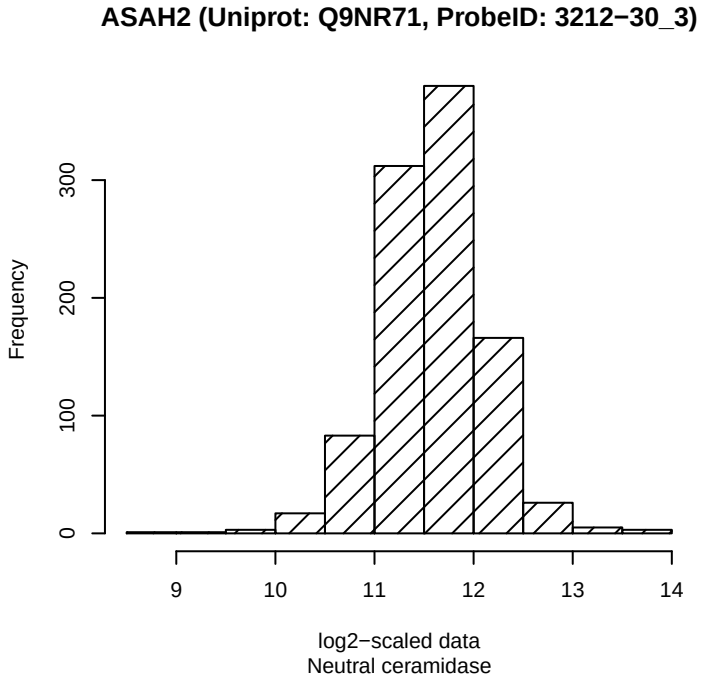


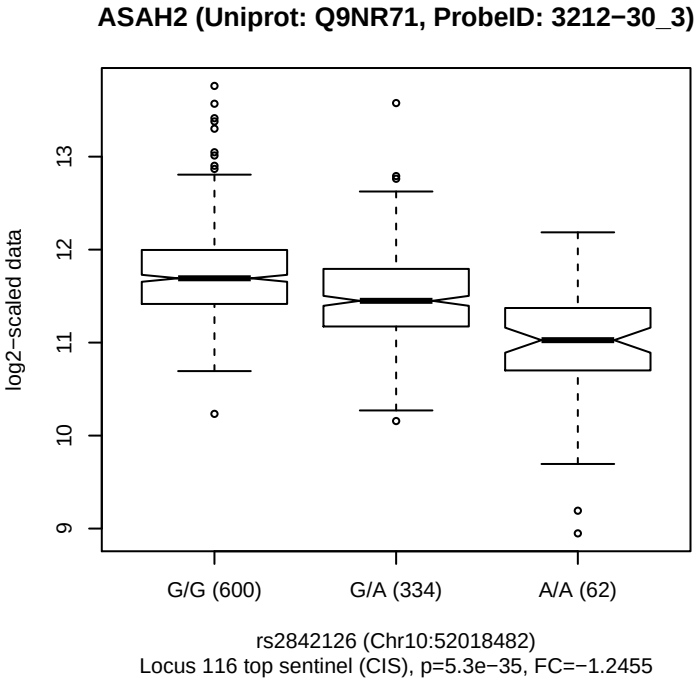

**C1q (Uniprot: P02745 P02746 P02747, ProbeID: 2753−2_**

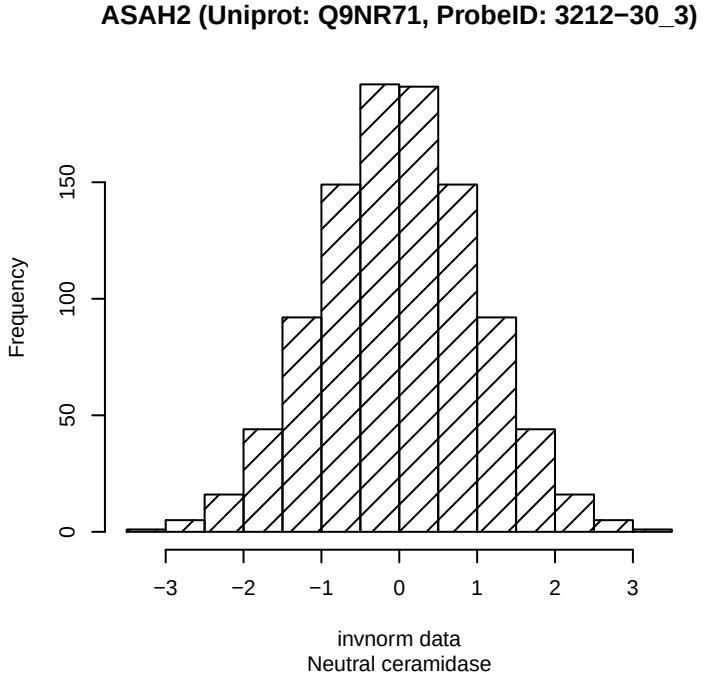


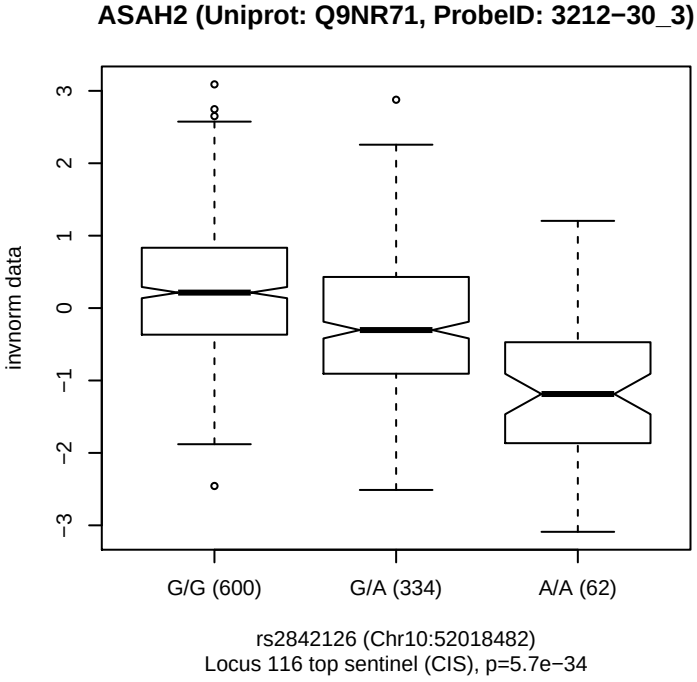

ASAH2 (Uniprot: Q9NR71, ProbeID: 3212−30_3)
Frequency
0
100
200
300
0
2000
4000
6000
8000
10000
12000
14000
raw data
Neutral ceramidase

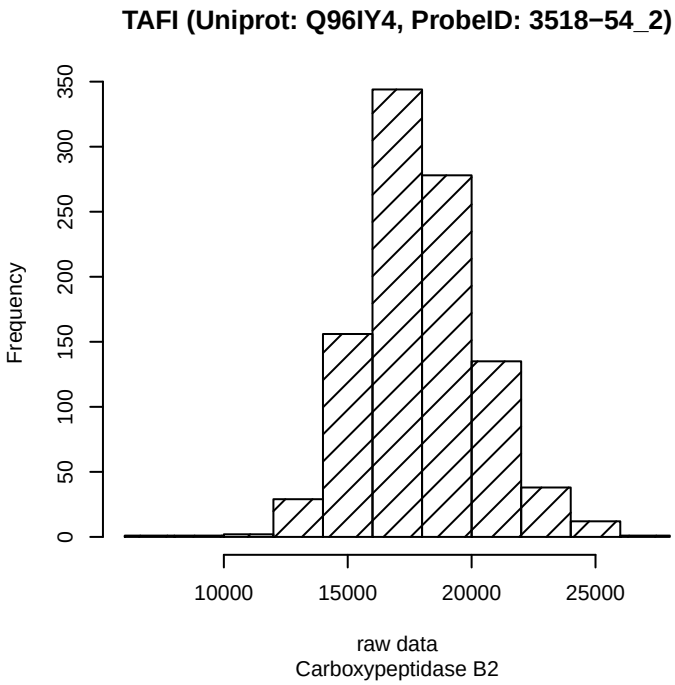

ASAH2 (Uniprot: Q9NR71, ProbeID: 3212−30_3)
raw data
0
2000
4000
6000
8000
12000
G/G (600)
G/A (334)
A/A (62)
rs2842126 (Chr10:52018482)
Locus 116 top sentinel (CIS), p=5.2e−22

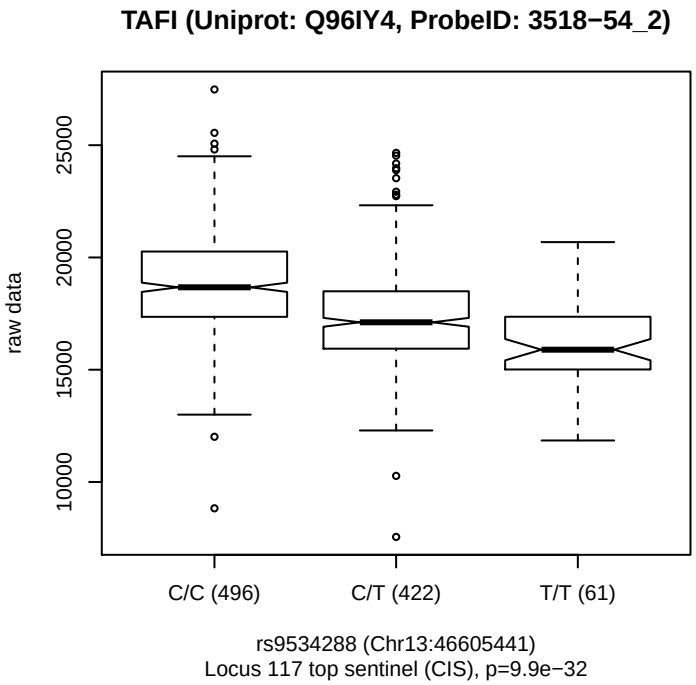

ASAH2 (Uniprot: Q9NR71, ProbeID: 3212−30_3)
Frequency
0
100
200
300
9
10
11
12
13
14
log2−scaled data
Neutral ceramidase

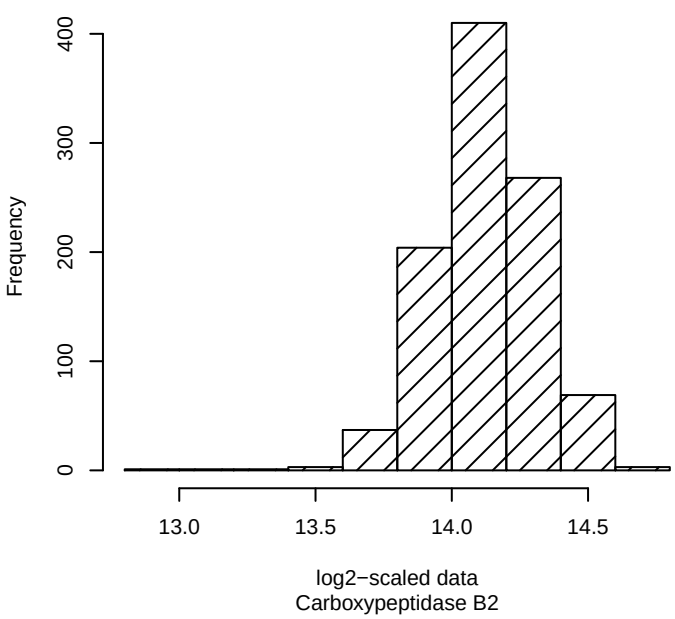

ASAH2 (Uniprot: Q9NR71, ProbeID: 3212−30_3)
log2−scaled data
9
10
11
12
13
G/G (600)
G/A (334)
A/A (62)
rs2842126 (Chr10:52018482)
Locus 116 top sentinel (CIS), p=5.3e−35, FC=−1.2455

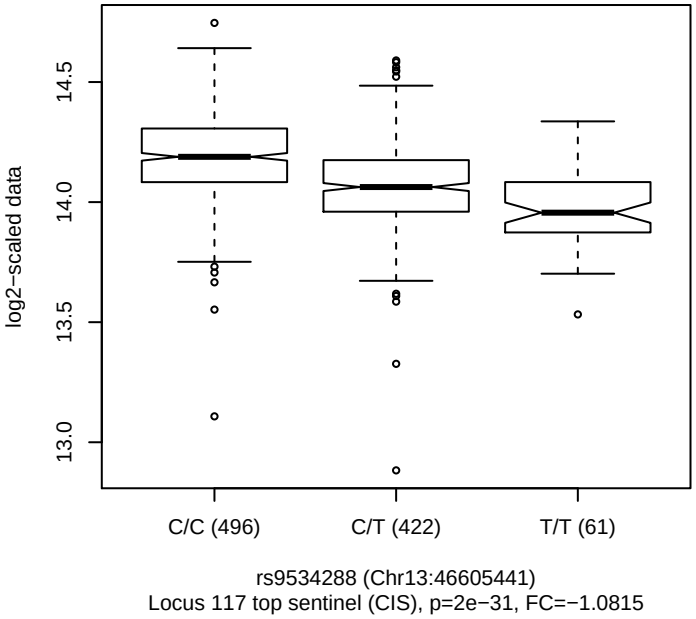

ASAH2 (Uniprot: Q9NR71, ProbeID: 3212−30_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Neutral ceramidase

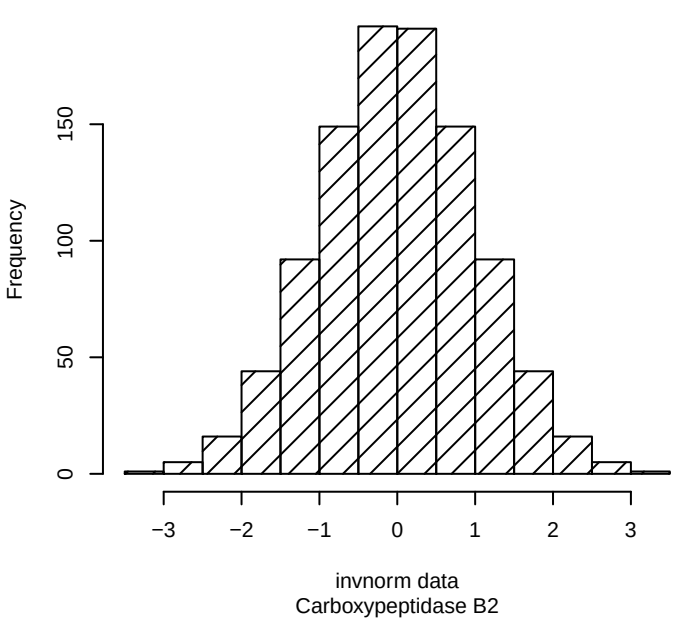

ASAH2 (Uniprot: Q9NR71, ProbeID: 3212−30_3)
invnorm data
−3
−2
−1
0
1
2
3
G/G (600)
G/A (334)
A/A (62)
rs2842126 (Chr10:52018482)
Locus 116 top sentinel (CIS), p=5.7e−34

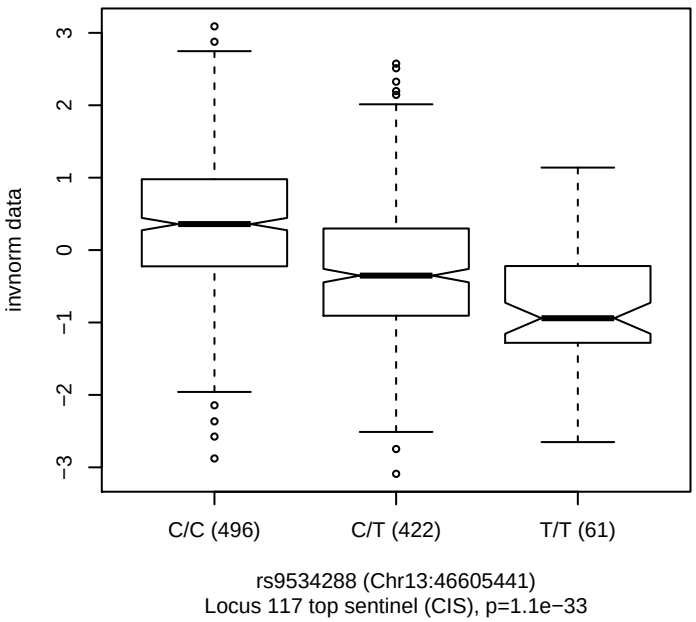

TAFI (Uniprot: Q96IY4, ProbeID: 3518−54_2)
Frequency
0
50
100
150
200
250
300
350
10000
15000
20000
25000
raw data
Carboxypeptidase B2

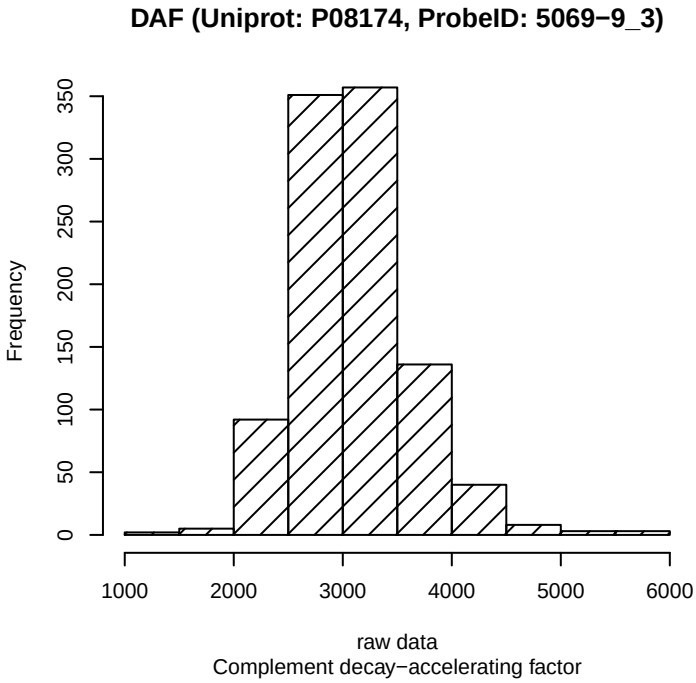

TAFI (Uniprot: Q96IY4, ProbeID: 3518−54_2)
raw data
10000
15000
20000
25000
C/C (496)
C/T (422)
T/T (61)
rs9534288 (Chr13:46605441)
Locus 117 top sentinel (CIS), p=9.9e−32

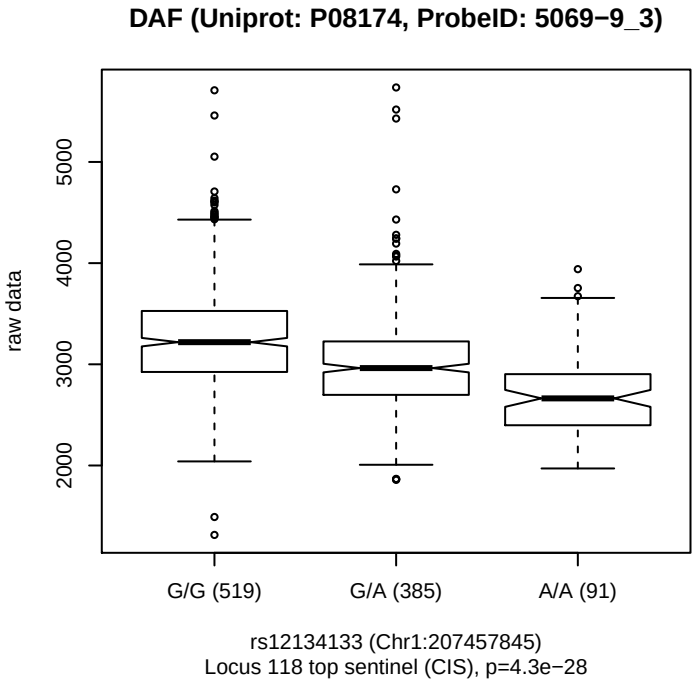

TAFI (Uniprot: Q96IY4, ProbeID: 3518−54_2)
Frequency
0
100
200
300
400
13.0
13.5
14.0
14.5
log2−scaled data
Carboxypeptidase B2

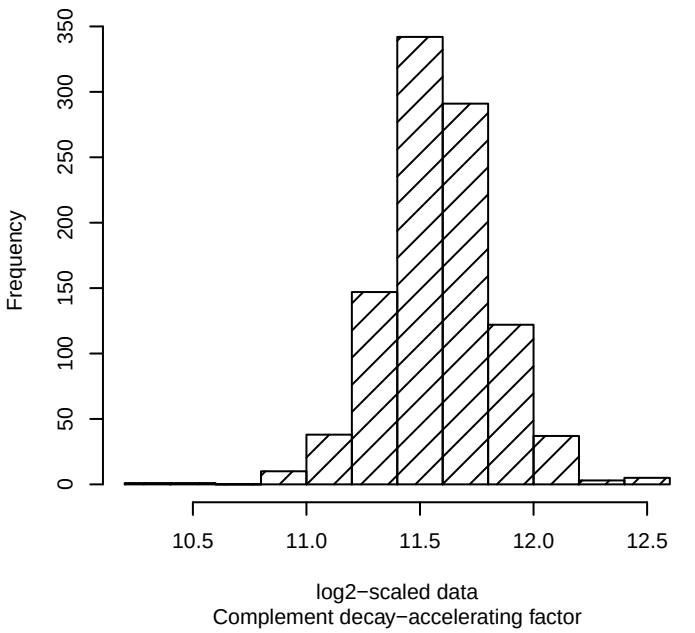

TAFI (Uniprot: Q96IY4, ProbeID: 3518−54_2)
log2−scaled data
13.0
13.5
14.0
14.5
C/C (496)
C/T (422)
T/T (61)
rs9534288 (Chr13:46605441)
Locus 117 top sentinel (CIS), p=2e−31, FC=−1.0815

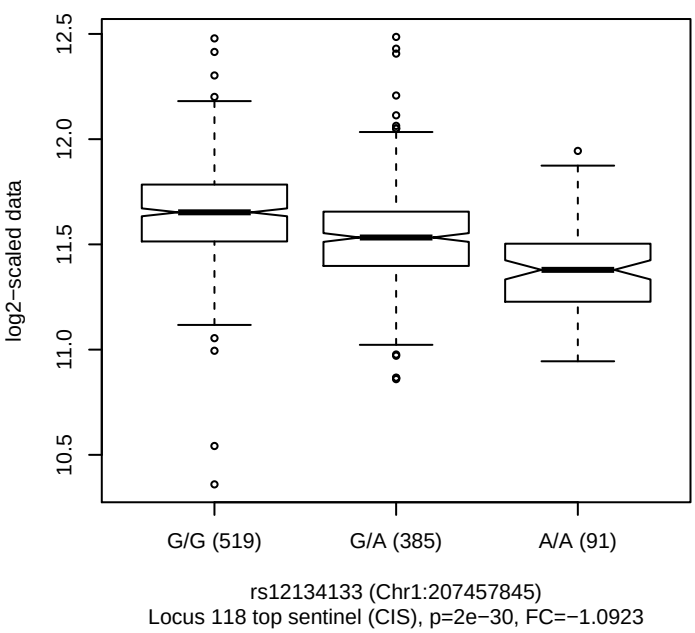

TAFI (Uniprot: Q96IY4, ProbeID: 3518−54_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Carboxypeptidase B2

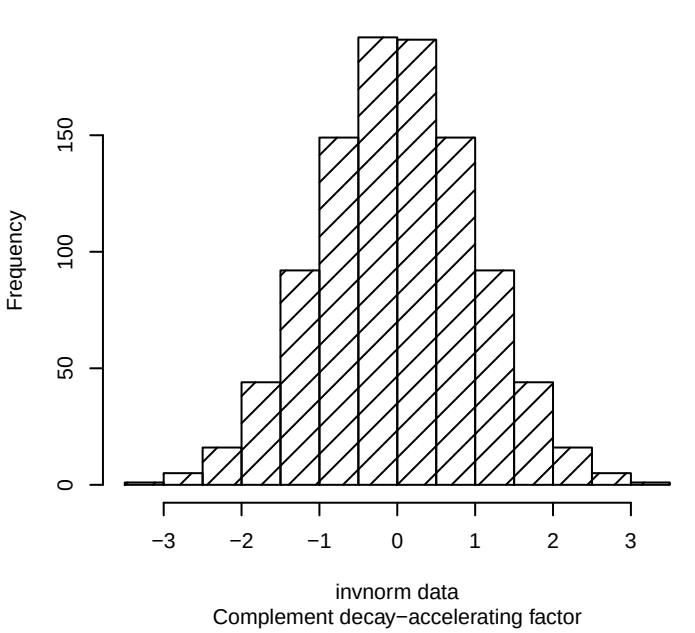

TAFI (Uniprot: Q96IY4, ProbeID: 3518−54_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (496)
C/T (422)
T/T (61)
rs9534288 (Chr13:46605441)
Locus 117 top sentinel (CIS), p=1.1e−33

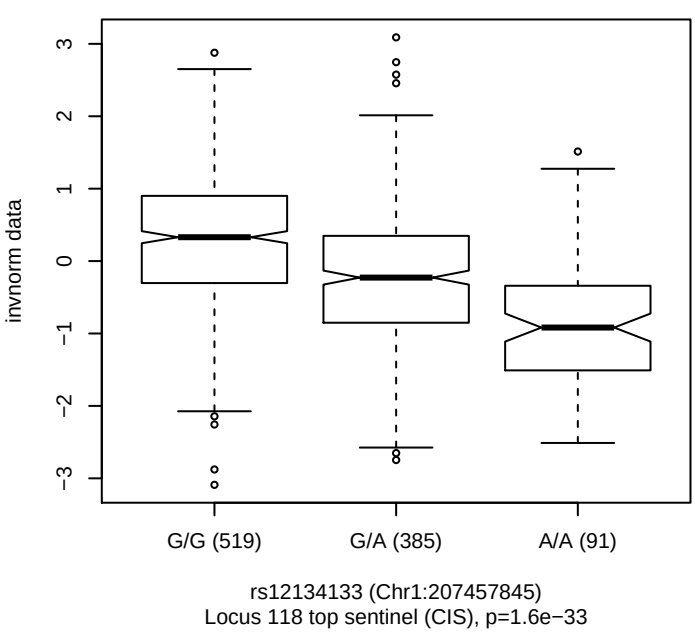

DAF (Uniprot: P08174, ProbeID: 5069−9_3)
Frequency
0
50
100
150
200
250
300
350
1000
2000
3000
4000
5000
6000
raw data
Complement decay−accelerating factor

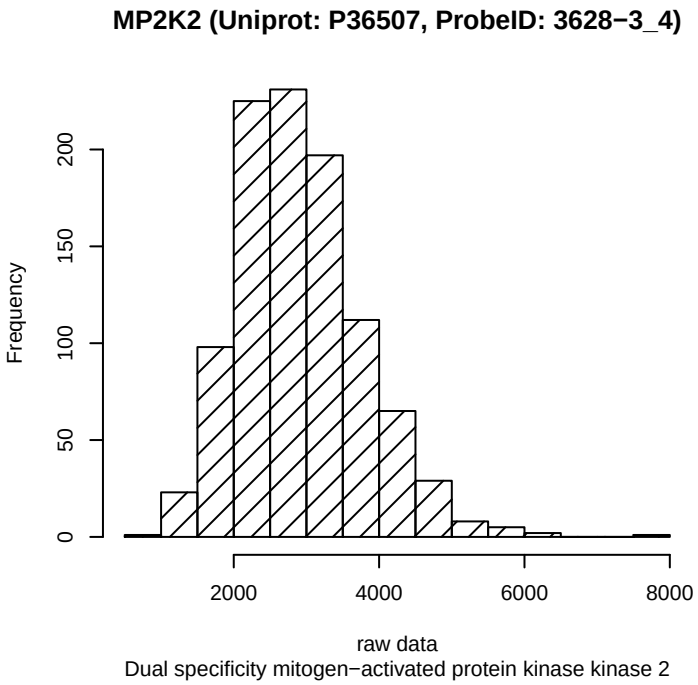

DAF (Uniprot: P08174, ProbeID: 5069−9_3)
raw data
2000
3000
4000
5000
G/G (519)
G/A (385)
A/A (91)
rs12134133 (Chr1:207457845)
Locus 118 top sentinel (CIS), p=4.3e−28

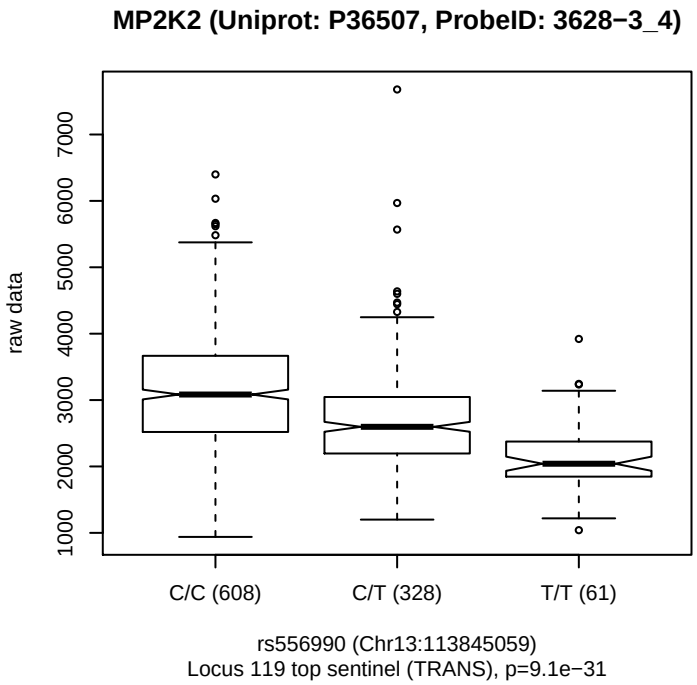

DAF (Uniprot: P08174, ProbeID: 5069−9_3)
Frequency
0
50
100
150
200
250
300
350
10.5
11.0
11.5
12.0
12.5
log2−scaled data
Complement decay−accelerating factor

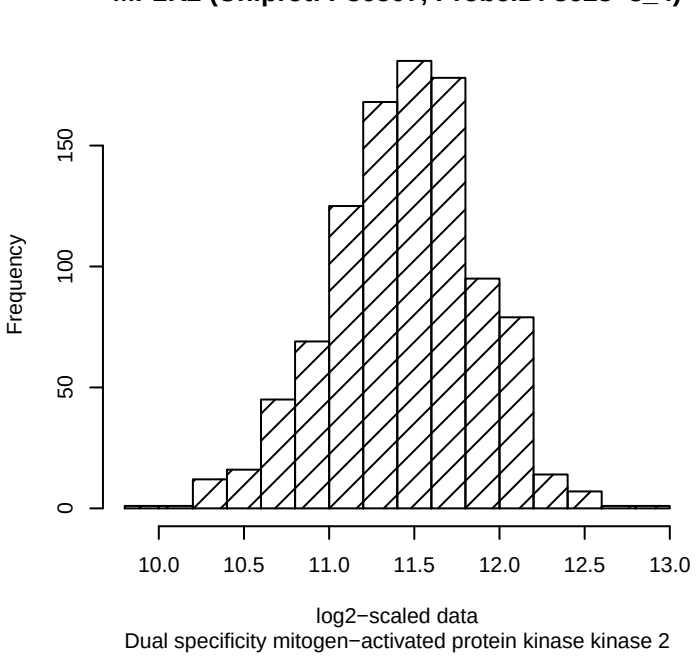

DAF (Uniprot: P08174, ProbeID: 5069−9_3)
log2−scaled data
10.5
11.0
11.5
12.0
12.5
G/G (519)
G/A (385)
A/A (91)
rs12134133 (Chr1:207457845)
Locus 118 top sentinel (CIS), p=2e−30, FC=−1.0923

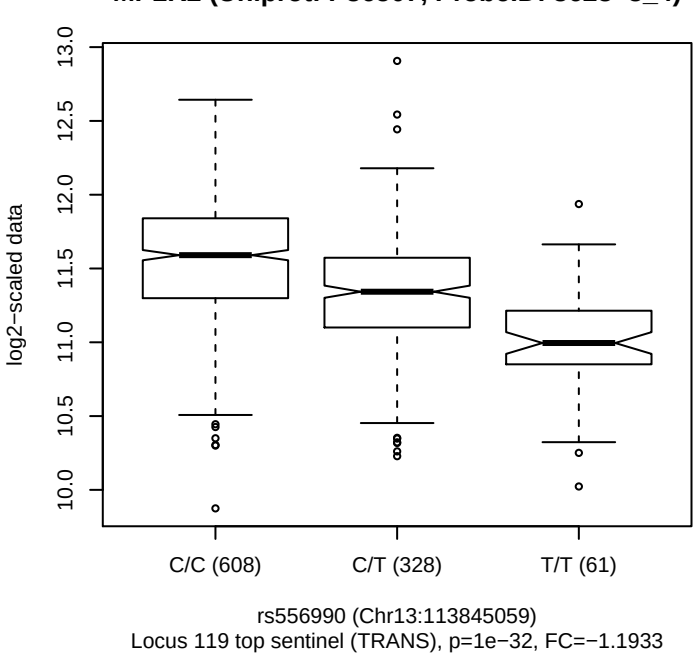

DAF (Uniprot: P08174, ProbeID: 5069−9_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Complement decay−accelerating factor

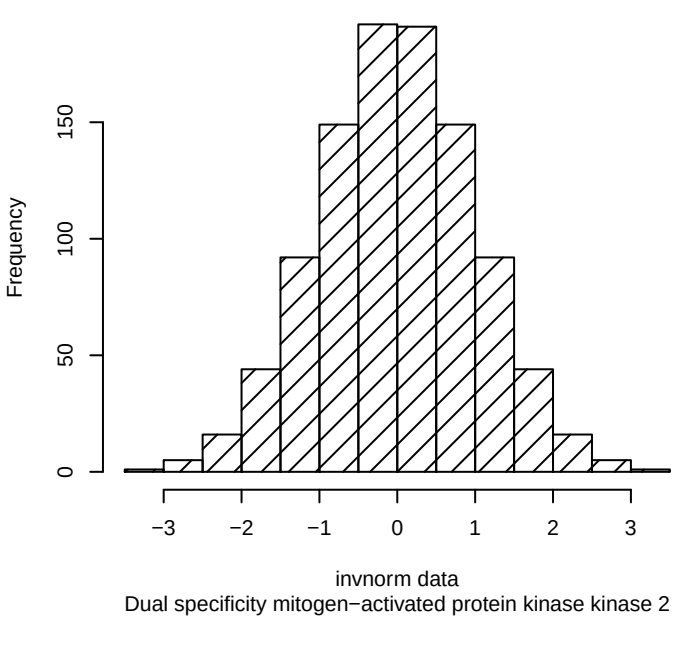

DAF (Uniprot: P08174, ProbeID: 5069−9_3)
invnorm data
−3
−2
−1
0
1
2
3
G/G (519)
G/A (385)
A/A (91)
rs12134133 (Chr1:207457845)
Locus 118 top sentinel (CIS), p=1.6e−33

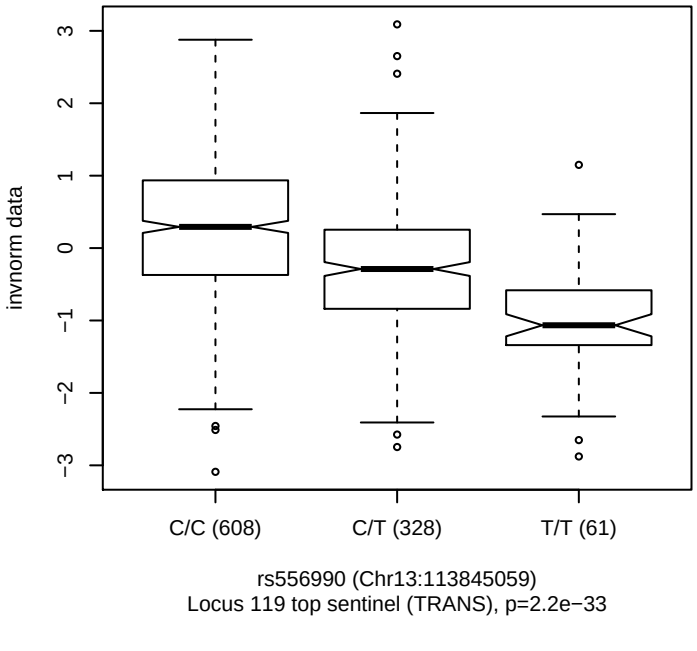

MP2K2 (Uniprot: P36507, ProbeID: 3628−3_4)
Frequency
0
50
100
150
200
2000
4000
6000
8000
raw data
Dual specificity mitogen−activated protein kinase kinase 2

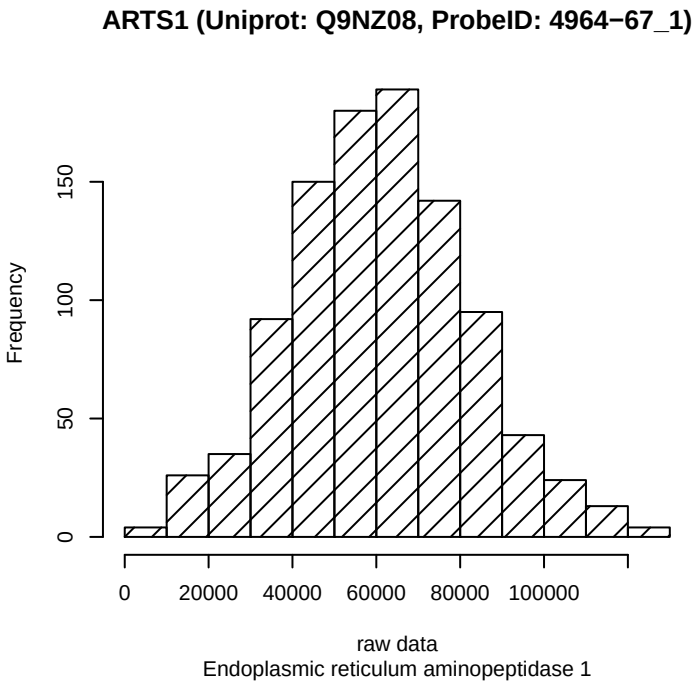

MP2K2 (Uniprot: P36507, ProbeID: 3628−3_4)
raw data
1000
2000
3000
4000
5000
6000
7000
C/C (608)
C/T (328)
T/T (61)
rs556990 (Chr13:113845059)
Locus 119 top sentinel (TRANS), p=9.1e−31

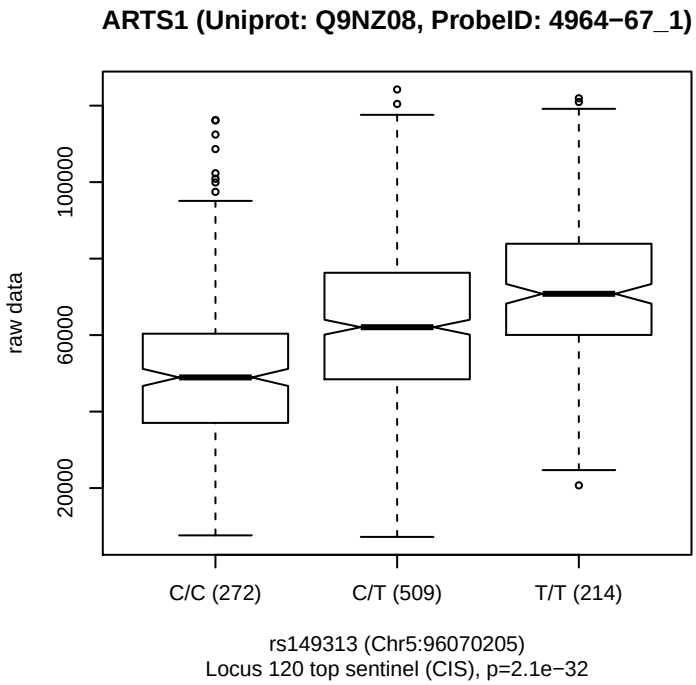

MP2K2 (Uniprot: P36507, ProbeID: 3628−3_4)
Frequency
0
50
100
150
10.0
10.5
11.0
11.5
12.0
12.5
13.0
log2−scaled data
Dual specificity mitogen−activated protein kinase kinase 2

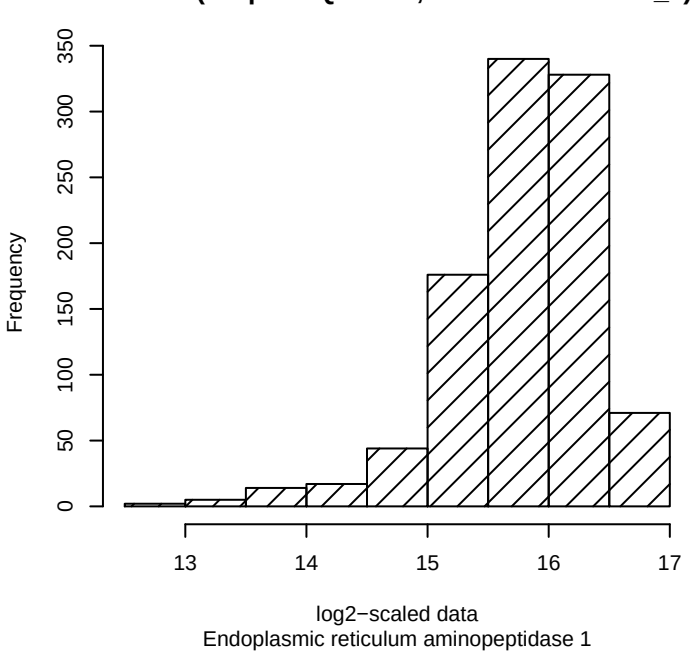

MP2K2 (Uniprot: P36507, ProbeID: 3628−3_4)
log2−scaled data
10.0
10.5
11.0
11.5
12.0
12.5
13.0
C/C (608)
C/T (328)
T/T (61)
rs556990 (Chr13:113845059)
Locus 119 top sentinel (TRANS), p=1e−32, FC=−1.1933

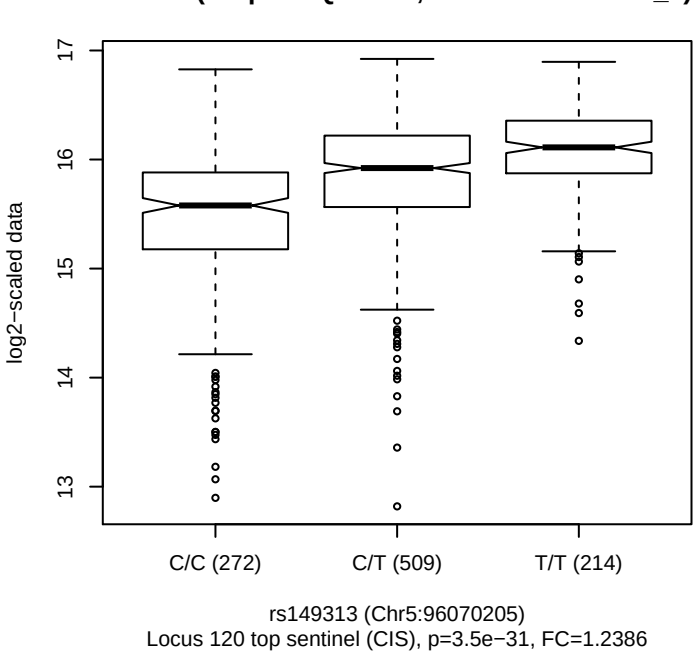

MP2K2 (Uniprot: P36507, ProbeID: 3628−3_4)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Dual specificity mitogen−activated protein kinase kinase 2

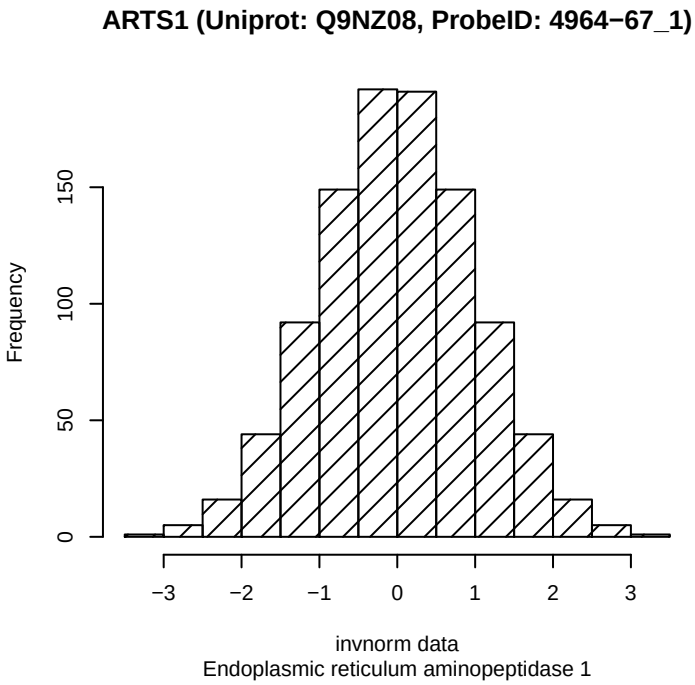

MP2K2 (Uniprot: P36507, ProbeID: 3628−3_4)
invnorm data
−3
−2
−1
0
1
2
3
C/C (608)
C/T (328)
T/T (61)
rs556990 (Chr13:113845059)
Locus 119 top sentinel (TRANS), p=2.2e−33

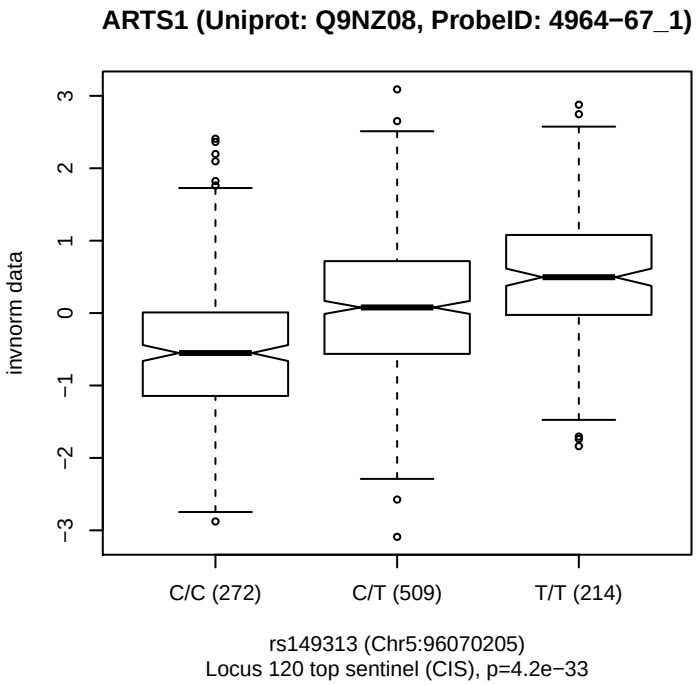

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
Frequency
0
50
100
150
0
20000
40000
60000
80000
100000
raw data
Endoplasmic reticulum aminopeptidase 1

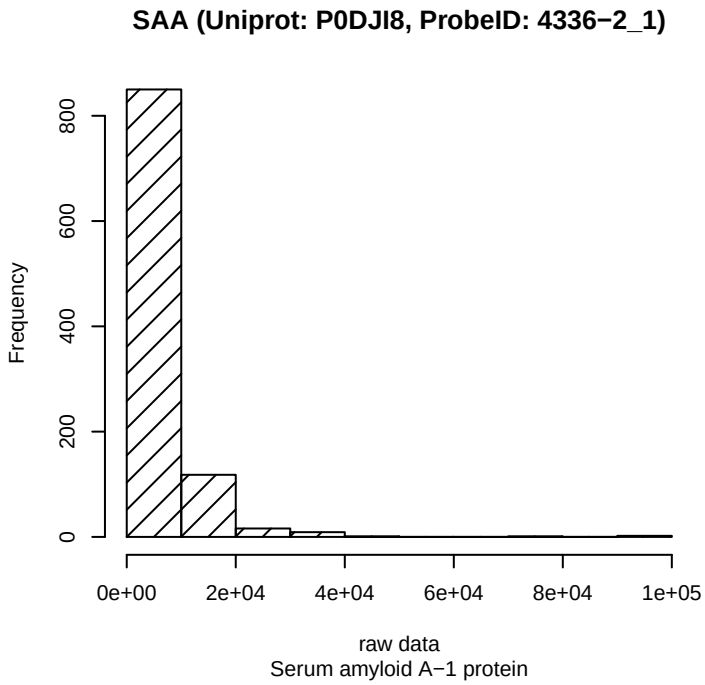

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
raw data
20000
60000
100000
C/C (272)
C/T (509)
T/T (214)
rs149313 (Chr5:96070205)
Locus 120 top sentinel (CIS), p=2.1e−32

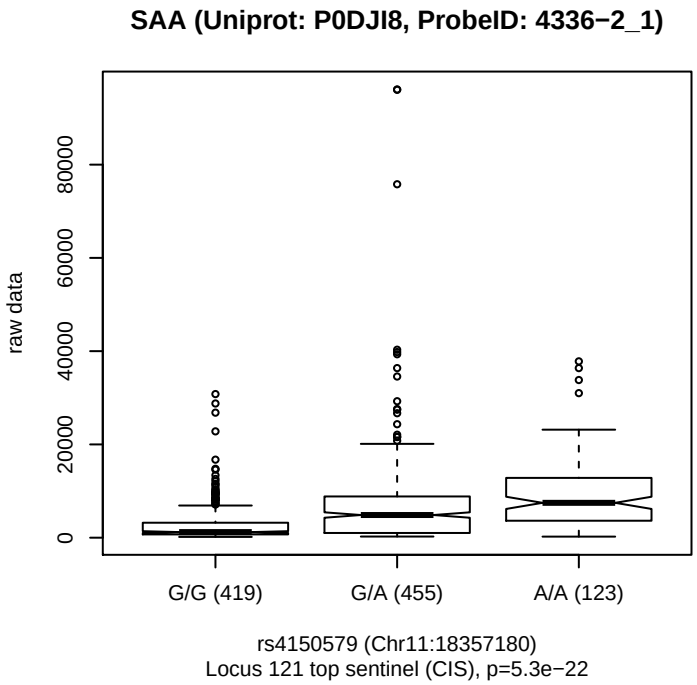

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
Frequency
0
50
100
150
200
250
300
350
13
14
15
16
17
log2−scaled data
Endoplasmic reticulum aminopeptidase 1

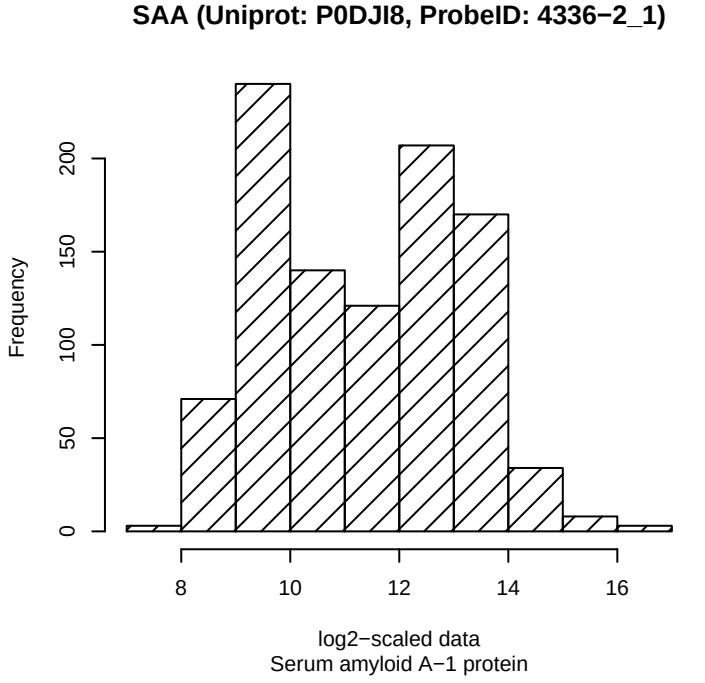

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
log2−scaled data
13
14
15
16
17
C/C (272)
C/T (509)
T/T (214)
rs149313 (Chr5:96070205)
Locus 120 top sentinel (CIS), p=3.5e−31, FC=1.2386

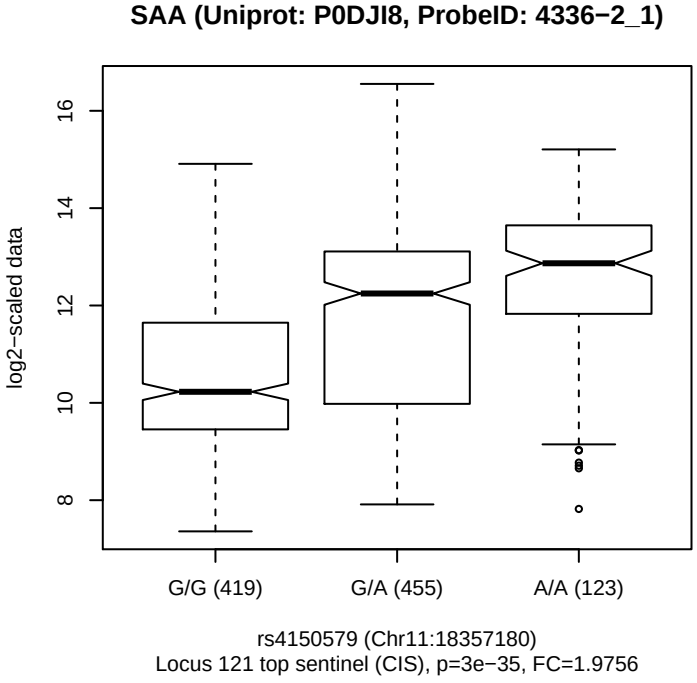

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Endoplasmic reticulum aminopeptidase 1

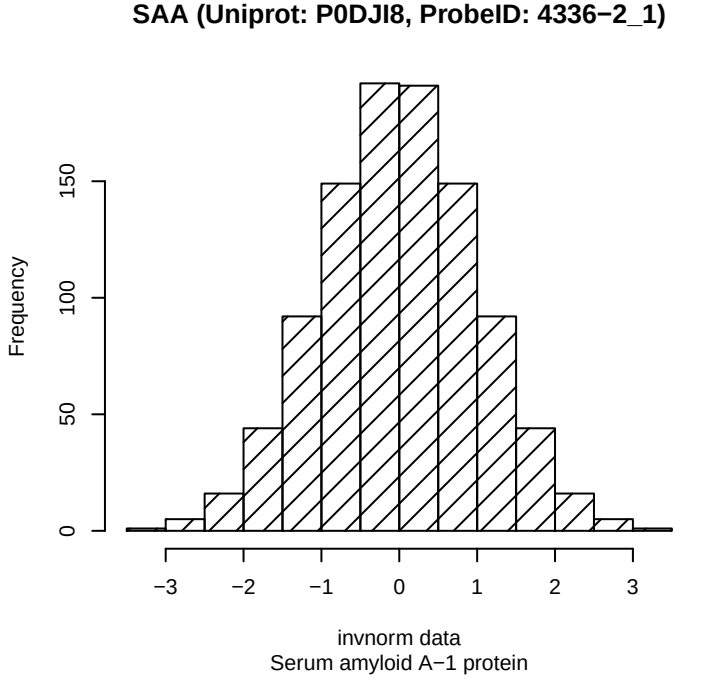

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
invnorm data
−3
−2
−1
0
1
2
3
C/C (272)
C/T (509)
T/T (214)
rs149313 (Chr5:96070205)
Locus 120 top sentinel (CIS), p=4.2e−33

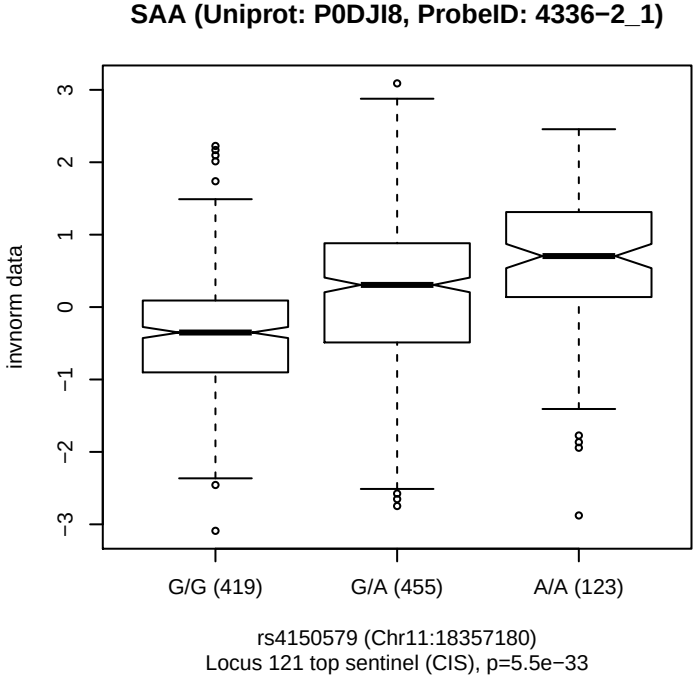

SAA (Uniprot: P0DJI8, ProbeID: 4336−2_1)
Frequency
0
200
400
600
800
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
raw data
Serum amyloid A−1 protein


SAA (Uniprot: P0DJI8, ProbeID: 4336−2_1)
raw data
0
20000
40000
60000
80000
G/G (419)
G/A (455)
A/A (123)
rs4150579 (Chr11:18357180)
Locus 121 top sentinel (CIS), p=5.3e−22

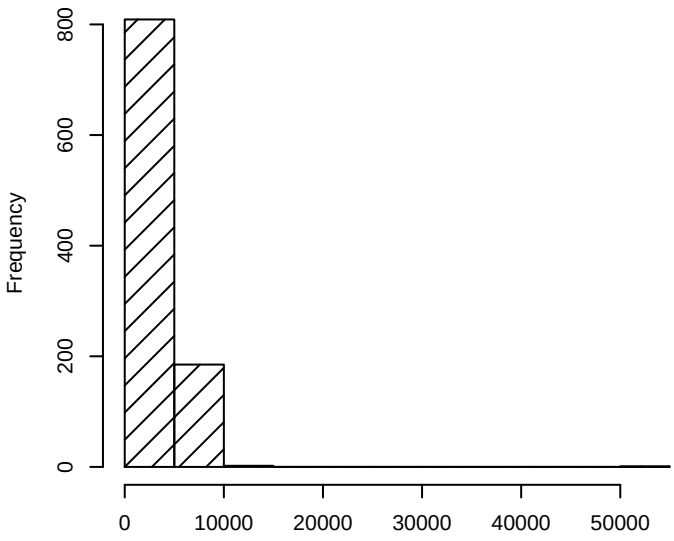

SAA (Uniprot: P0DJI8, ProbeID: 4336−2_1)
Frequency
0
50
100
150
200
8
10
12
14
16
log2−scaled data
Serum amyloid A−1 protein


SAA (Uniprot: P0DJI8, ProbeID: 4336−2_1)
log2−scaled data
8
10
12
14
16
G/G (419)
G/A (455)
A/A (123)
rs4150579 (Chr11:18357180)
Locus 121 top sentinel (CIS), p=3e−35, FC=1.9756

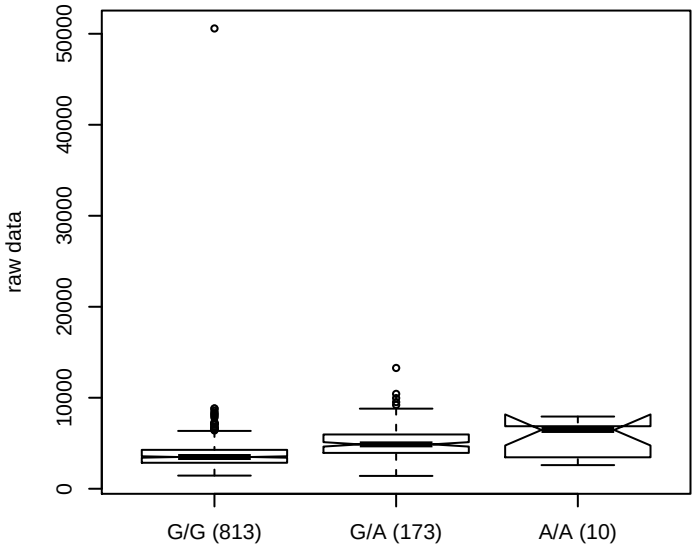

SAA (Uniprot: P0DJI8, ProbeID: 4336−2_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Serum amyloid A−1 protein


SAA (Uniprot: P0DJI8, ProbeID: 4336−2_1)
invnorm data
−3
−2
−1
0
1
2
3
G/G (419)
G/A (455)
A/A (123)
rs4150579 (Chr11:18357180)
Locus 121 top sentinel (CIS), p=5.5e−33

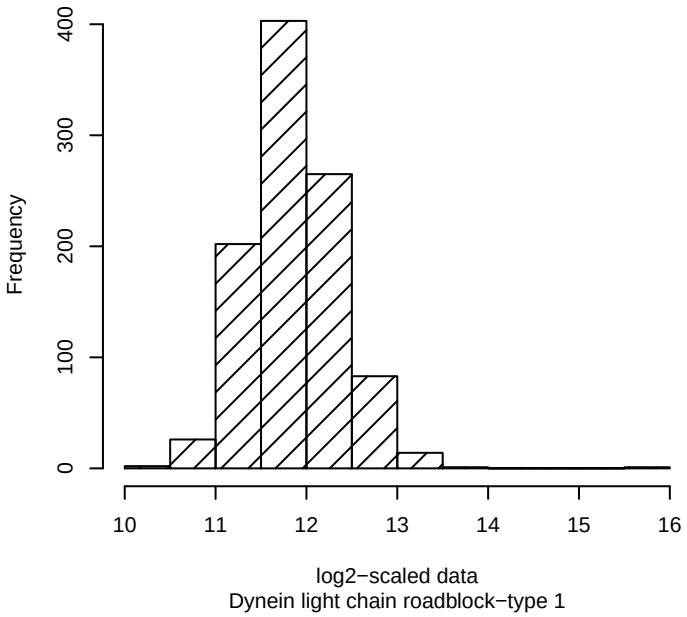
**DLRB1 (Uniprot: Q9NP97, ProbeID: 3845−51_2)**



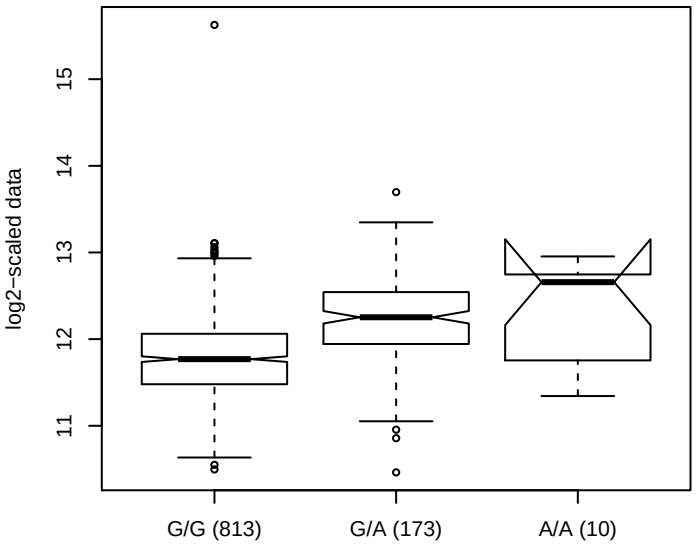

**DLRB1 (Uniprot: Q9NP97, ProbeID: 3845−51_2)**



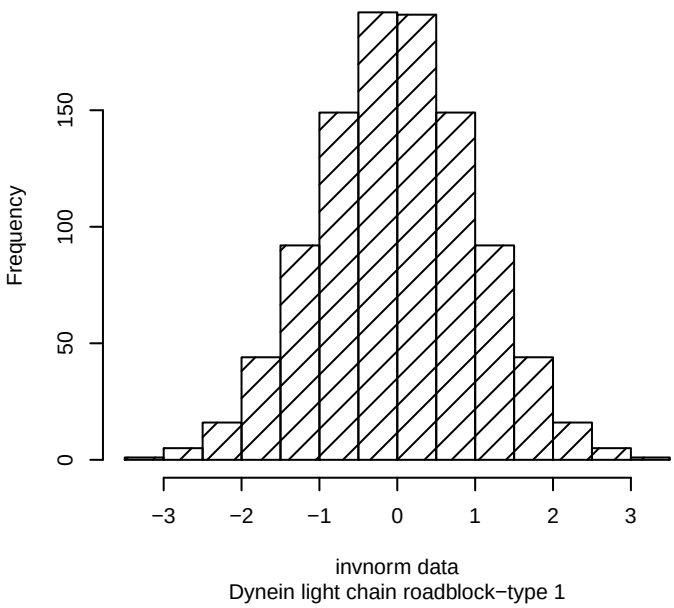

**DLRB1 (Uniprot: Q9NP97, ProbeID: 3845−51_2)**



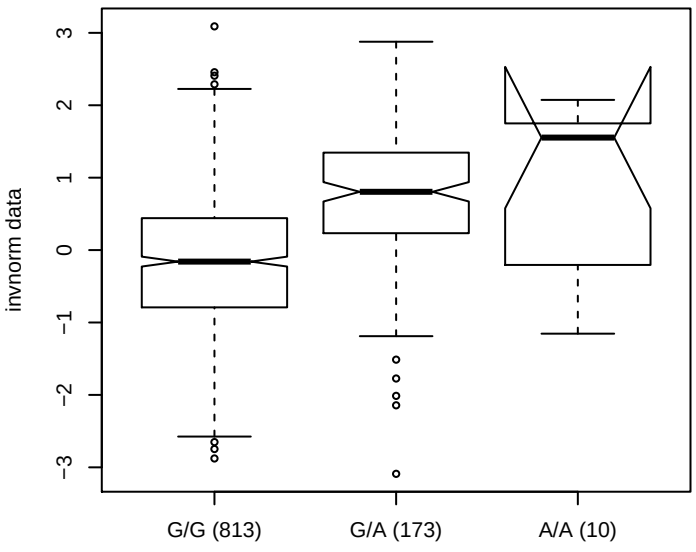

**DLRB1 (Uniprot: Q9NP97, ProbeID: 3845−51_2)**

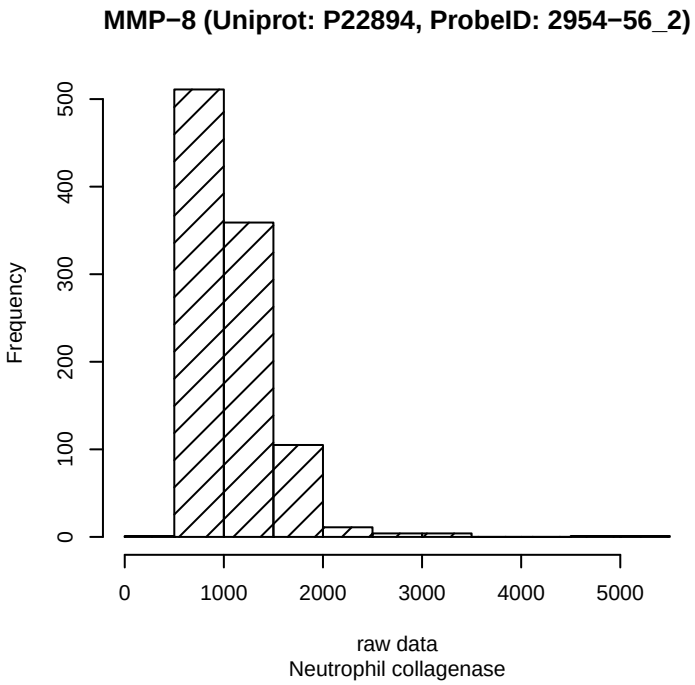


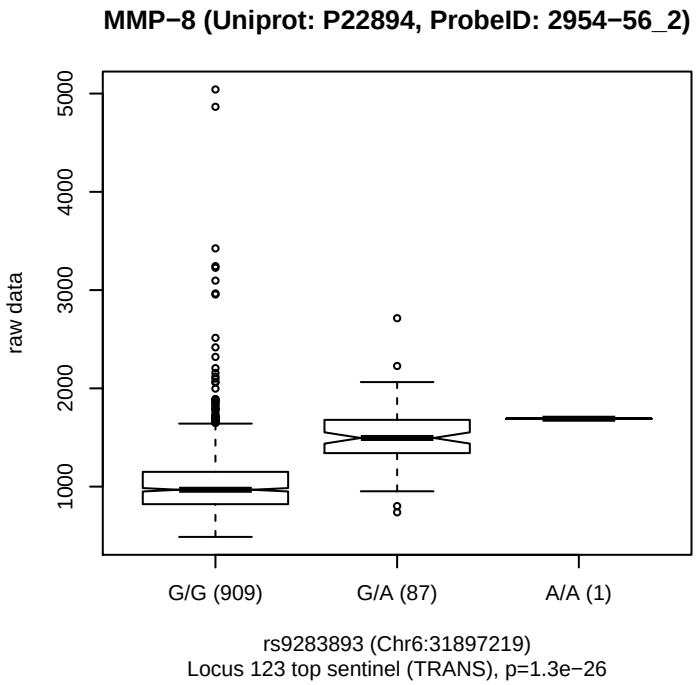

**DLRB1 (Uniprot: Q9NP97, ProbeID: 3845−51_2)**

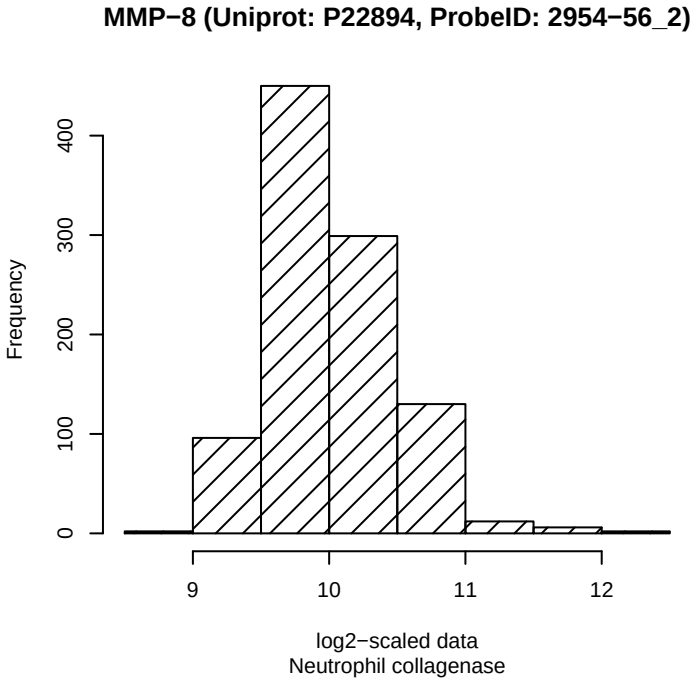


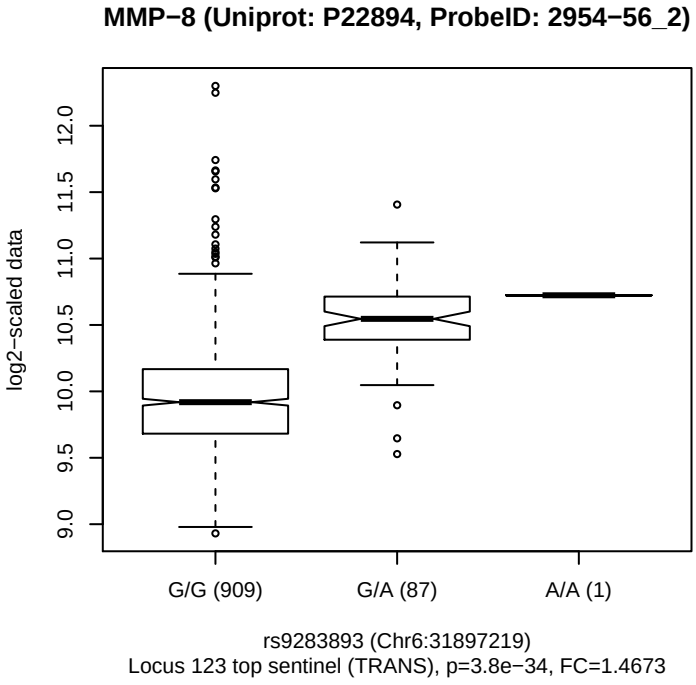

**DLRB1 (Uniprot: Q9NP97, ProbeID: 3845−51_2)**

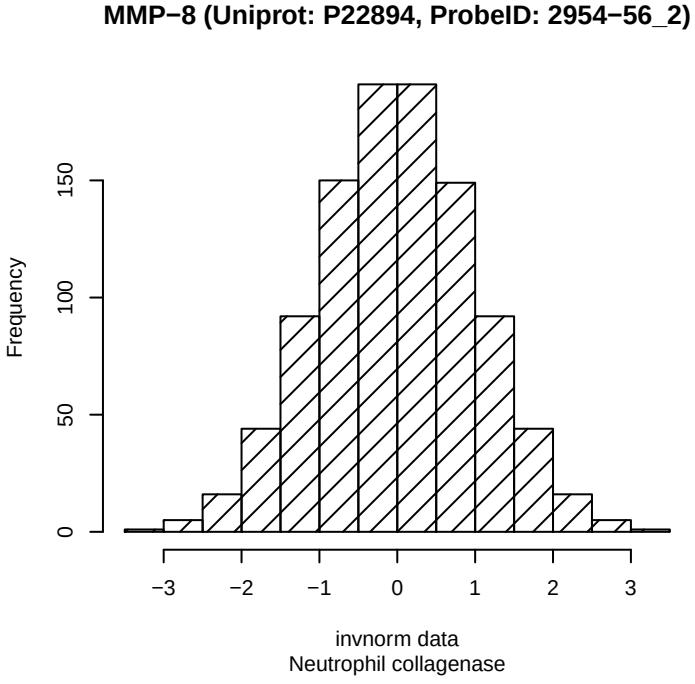


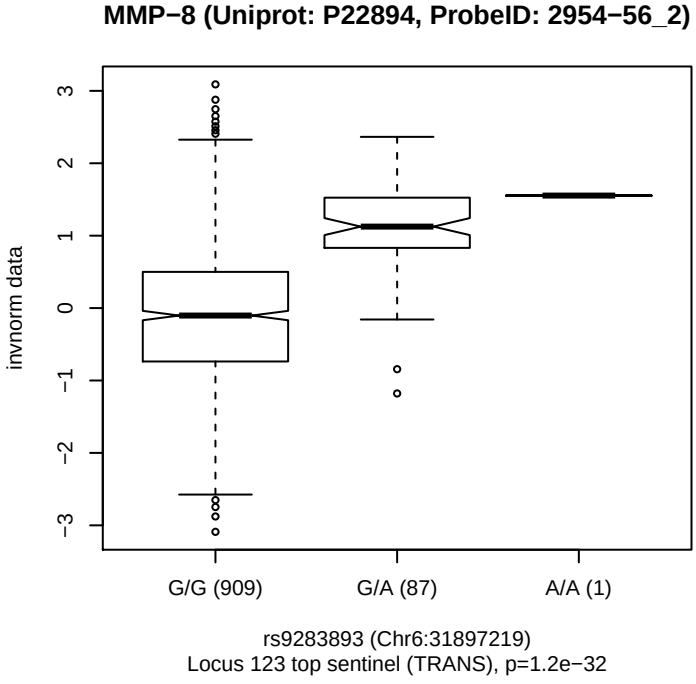

MMP−8 (Uniprot: P22894, ProbeID: 2954−56_2)
Frequency
0
100
200
300
400
500
0
1000
2000
3000
4000
5000
raw data
Neutrophil collagenase

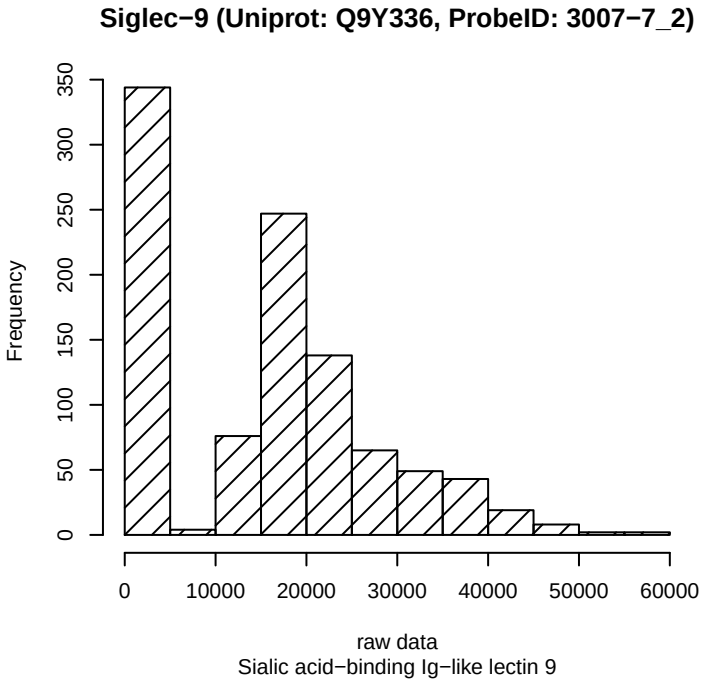

MMP−8 (Uniprot: P22894, ProbeID: 2954−56_2)
raw data
1000
2000
3000
4000
5000
G/G (909)
G/A (87)
A/A (1)
rs9283893 (Chr6:31897219)
Locus 123 top sentinel (TRANS), p=1.3e−26

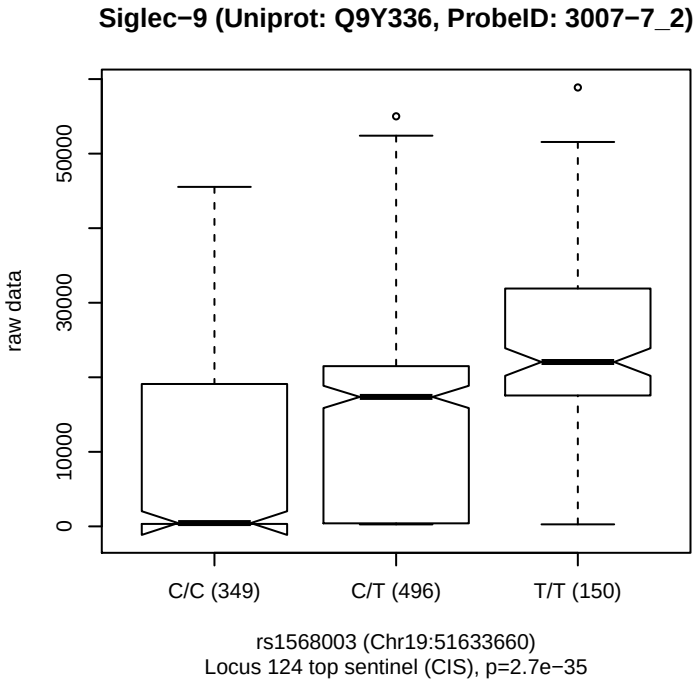

MMP−8 (Uniprot: P22894, ProbeID: 2954−56_2)
Frequency
0
100
200
300
400
9
10
11
12
log2−scaled data
Neutrophil collagenase

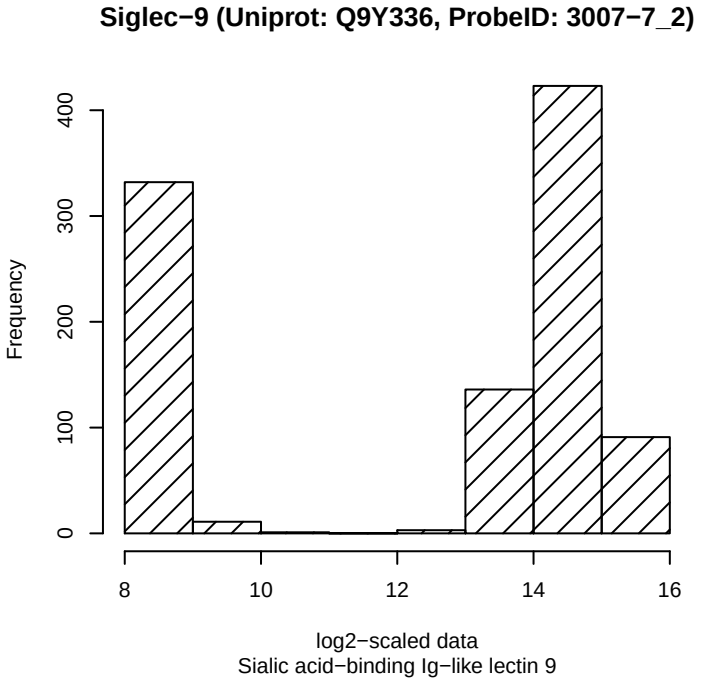

MMP−8 (Uniprot: P22894, ProbeID: 2954−56_2)
log2−scaled data
9.0
9.5
10.0
10.5
11.0
11.5
12.0
G/G (909)
G/A (87)
A/A (1)
rs9283893 (Chr6:31897219)
Locus 123 top sentinel (TRANS), p=3.8e−34, FC=1.4673

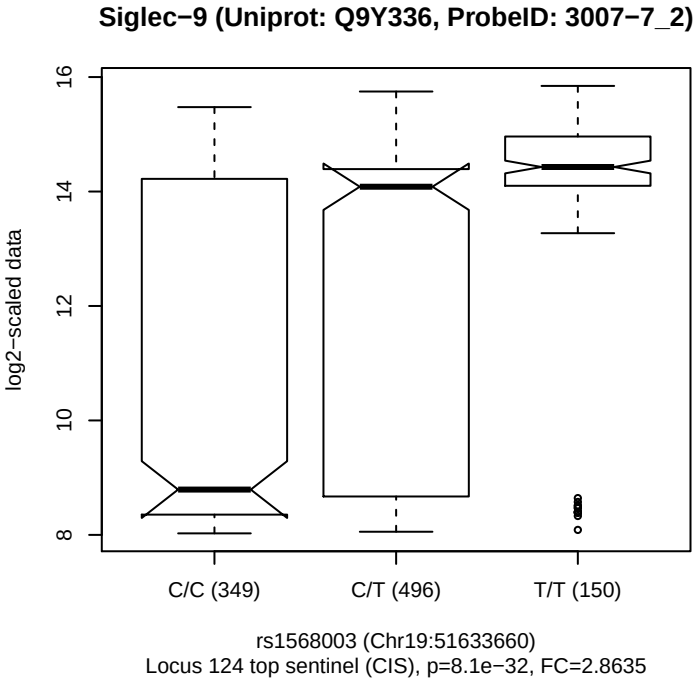

MMP−8 (Uniprot: P22894, ProbeID: 2954−56_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Neutrophil collagenase

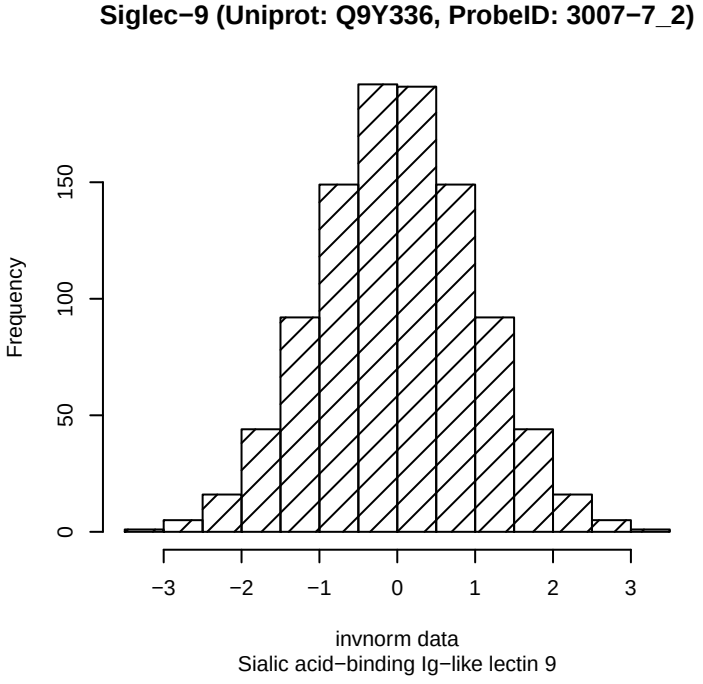

MMP−8 (Uniprot: P22894, ProbeID: 2954−56_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (909)
G/A (87)
A/A (1)
rs9283893 (Chr6:31897219)
Locus 123 top sentinel (TRANS), p=1.2e−32

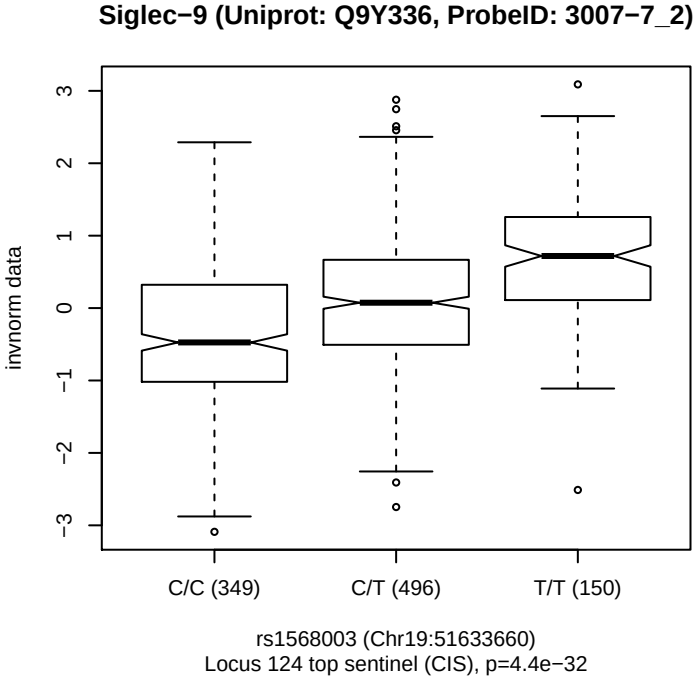

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
Frequency
0
50
100
150
200
250
300
350
0
10000
20000
30000
40000
50000
60000
raw data
Sialic acid−binding Ig−like lectin 9

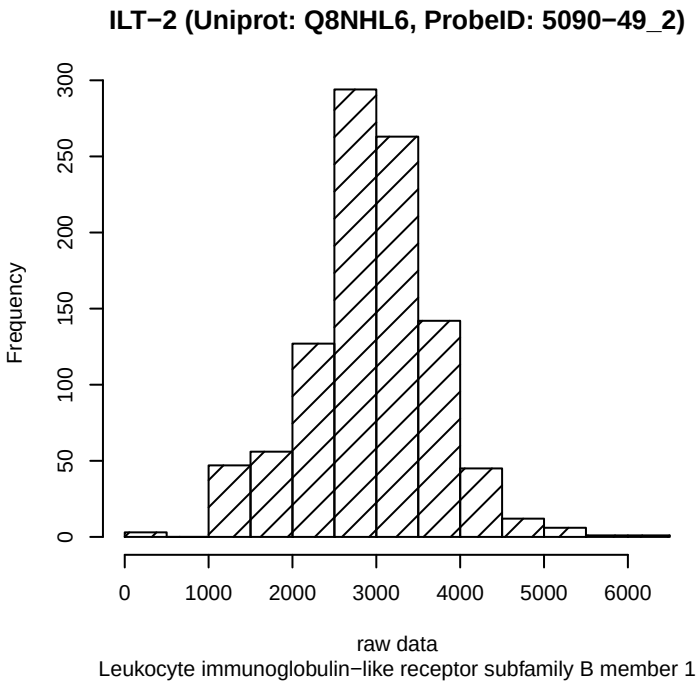

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
raw data
0
10000
30000
50000
C/C (349)
C/T (496)
T/T (150)
rs1568003 (Chr19:51633660)
Locus 124 top sentinel (CIS), p=2.7e−35

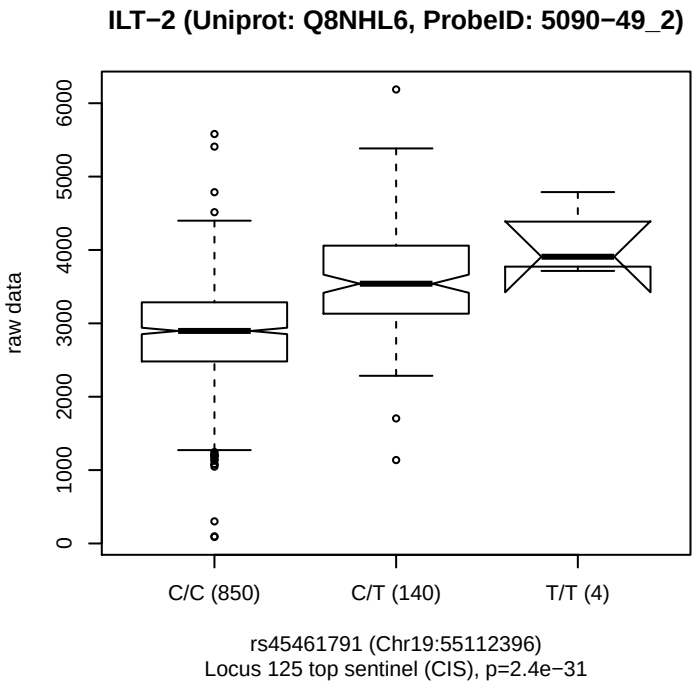

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
Frequency
0
100
200
300
400
8
10
12
14
16
log2−scaled data
Sialic acid−binding Ig−like lectin 9

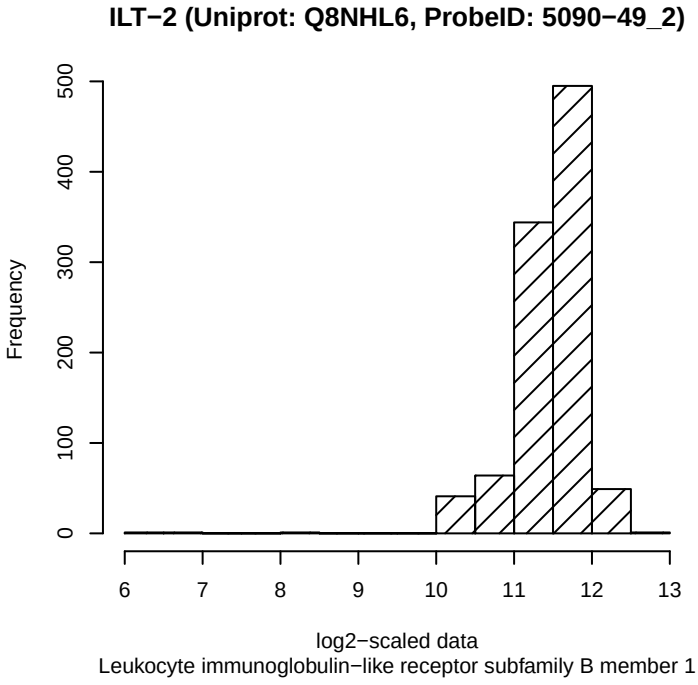

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
log2−scaled data
8
10
12
14
16
C/C (349)
C/T (496)
T/T (150)
rs1568003 (Chr19:51633660)
Locus 124 top sentinel (CIS), p=8.1e−32, FC=2.8635

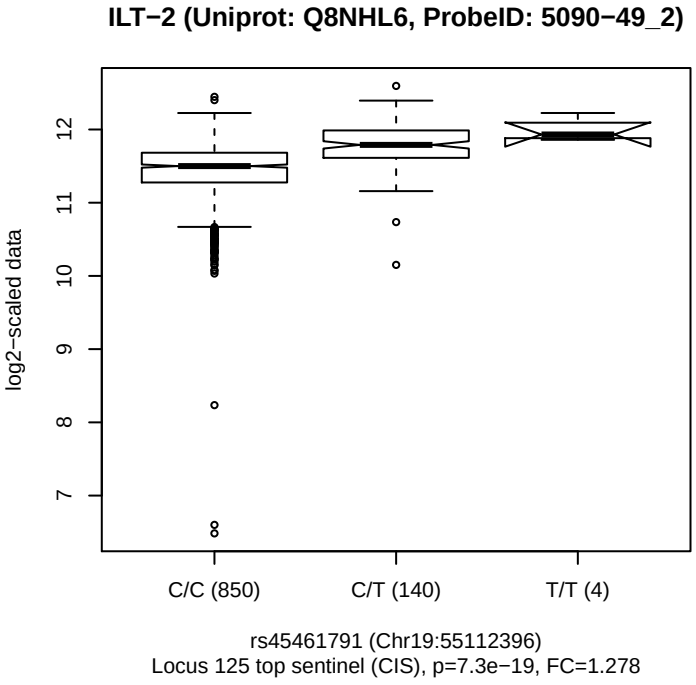

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Sialic acid−binding Ig−like lectin 9

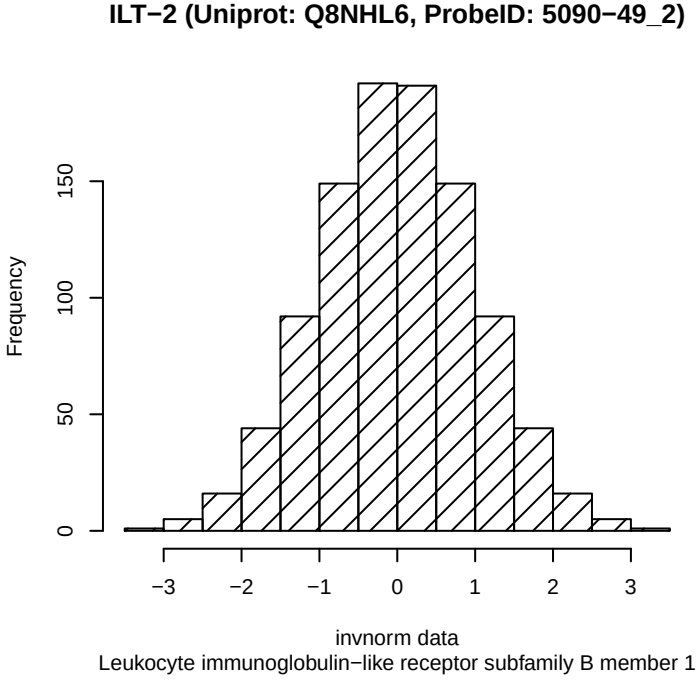

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (349)
C/T (496)
T/T (150)
rs1568003 (Chr19:51633660)
Locus 124 top sentinel (CIS), p=4.4e−32

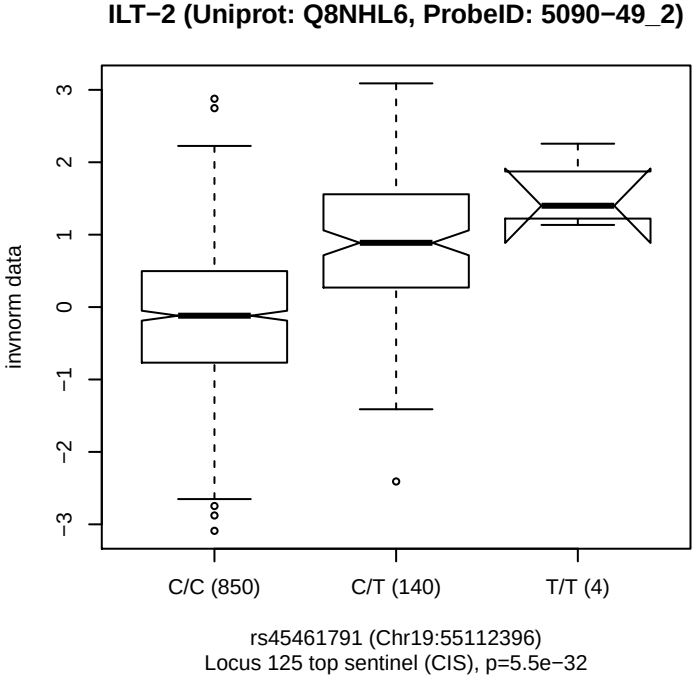

ILT−2 (Uniprot: Q8NHL6, ProbeID: 5090−49_2)
Frequency
0
50
100
150
200
250
300
0
1000
2000
3000
4000
5000
6000
raw data
Leukocyte immunoglobulin−like receptor subfamily B member 1

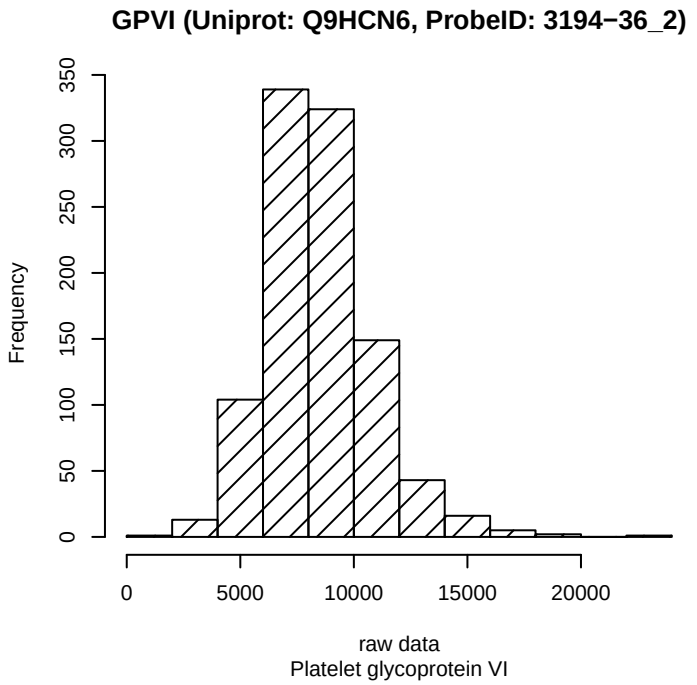

ILT−2 (Uniprot: Q8NHL6, ProbeID: 5090−49_2)
raw data
0
1000
2000
3000
4000
5000
6000
C/C (850)
C/T (140)
T/T (4)
rs45461791 (Chr19:55112396)
Locus 125 top sentinel (CIS), p=2.4e−31

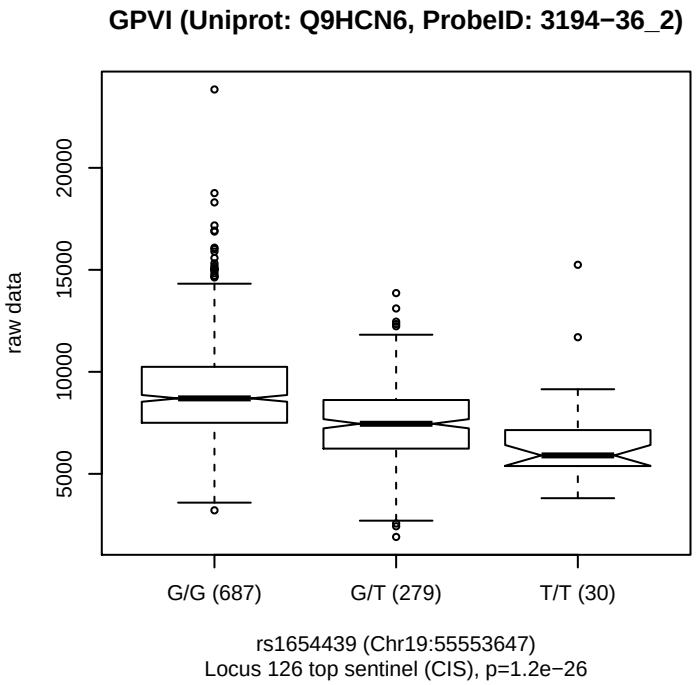

ILT−2 (Uniprot: Q8NHL6, ProbeID: 5090−49_2)
Frequency
0
100
200
300
400
500
6
7
8
9
10
11
12
13
log2−scaled data
Leukocyte immunoglobulin−like receptor subfamily B member 1

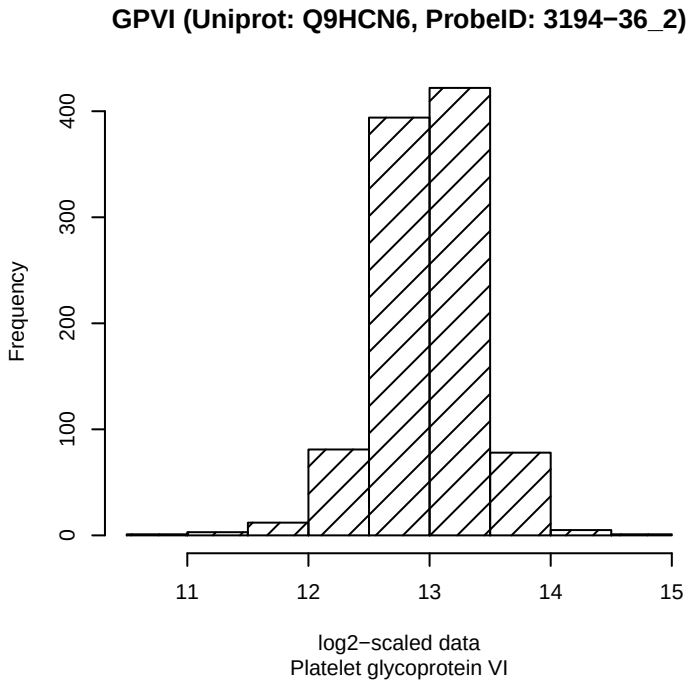

ILT−2 (Uniprot: Q8NHL6, ProbeID: 5090−49_2)
log2−scaled data
7
8
9
10
11
12
C/C (850)
C/T (140)
T/T (4)
rs45461791 (Chr19:55112396)
Locus 125 top sentinel (CIS), p=7.3e−19, FC=1.278

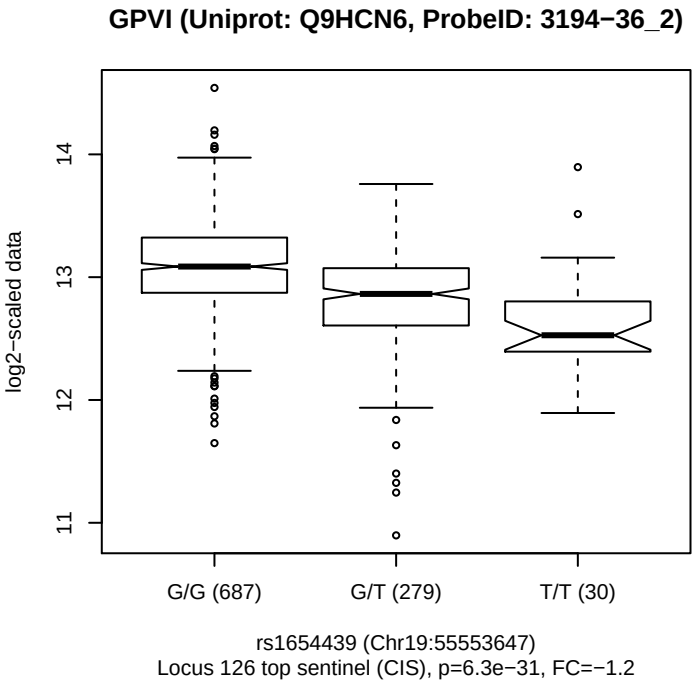

ILT−2 (Uniprot: Q8NHL6, ProbeID: 5090−49_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Leukocyte immunoglobulin−like receptor subfamily B member 1

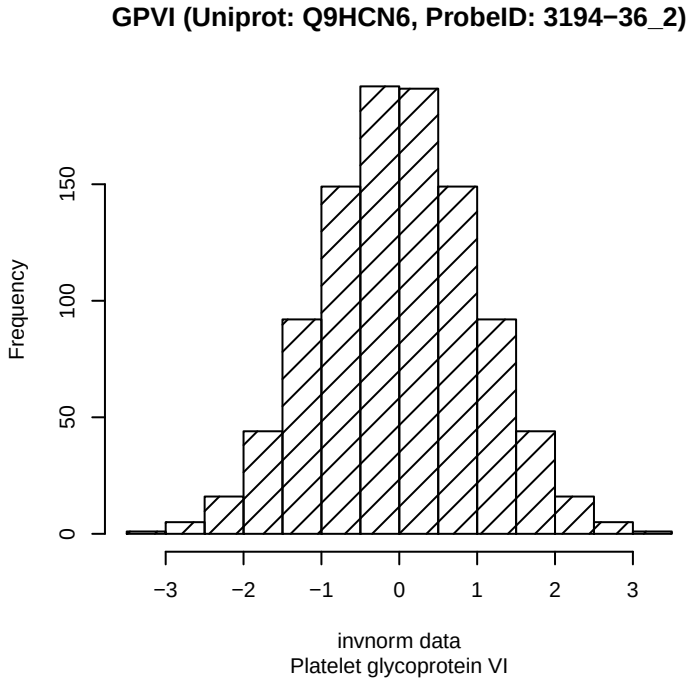

ILT−2 (Uniprot: Q8NHL6, ProbeID: 5090−49_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (850)
C/T (140)
T/T (4)
rs45461791 (Chr19:55112396)
Locus 125 top sentinel (CIS), p=5.5e−32

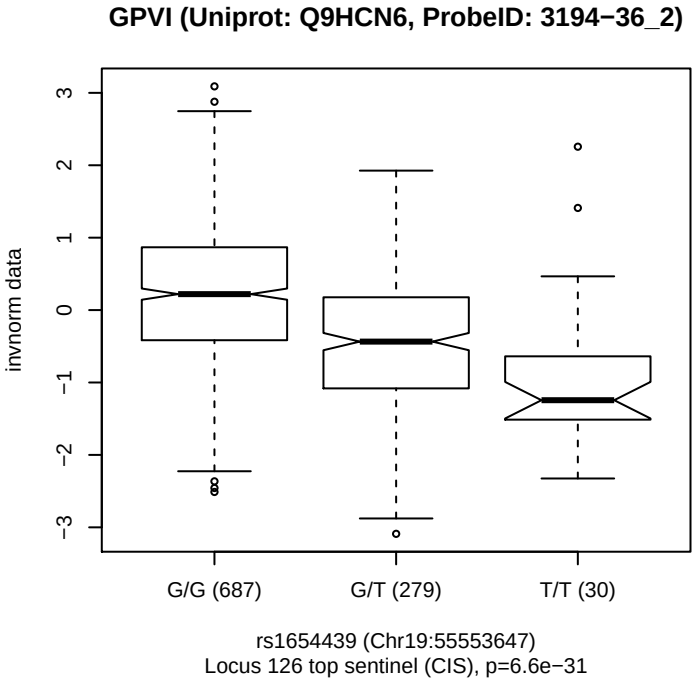

GPVI (Uniprot: Q9HCN6, ProbeID: 3194−36_2)
Frequency
0
50
100
150
200
250
300
350
0
5000
10000
15000
20000
raw data
Platelet glycoprotein VI


GPVI (Uniprot: Q9HCN6, ProbeID: 3194−36_2)
raw data
5000
10000
15000
20000
G/G (687)
G/T (279)
T/T (30)
rs1654439 (Chr19:55553647)
Locus 126 top sentinel (CIS), p=1.2e−26

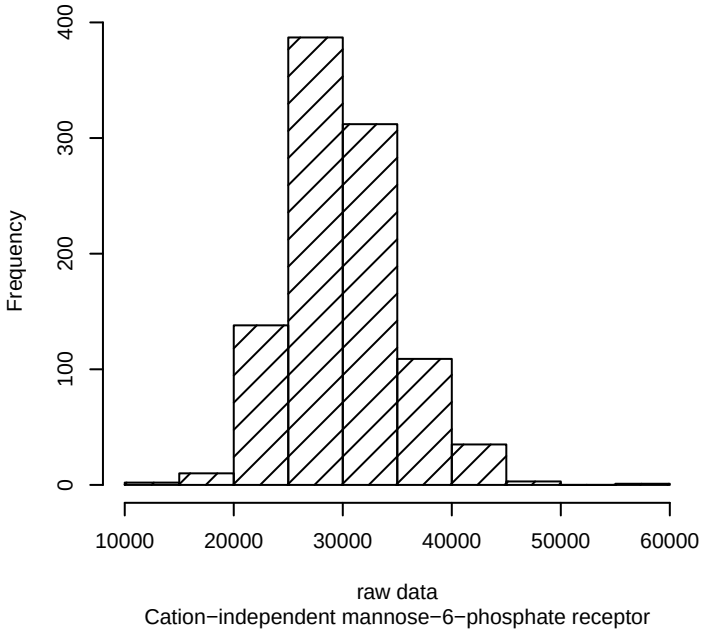

GPVI (Uniprot: Q9HCN6, ProbeID: 3194−36_2)
Frequency
0
100
200
300
400
11
12
13
14
15
log2−scaled data
Platelet glycoprotein VI


GPVI (Uniprot: Q9HCN6, ProbeID: 3194−36_2)
log2−scaled data
11
12
13
14
G/G (687)
G/T (279)
T/T (30)
rs1654439 (Chr19:55553647)
Locus 126 top sentinel (CIS), p=6.3e−31, FC=−1.2

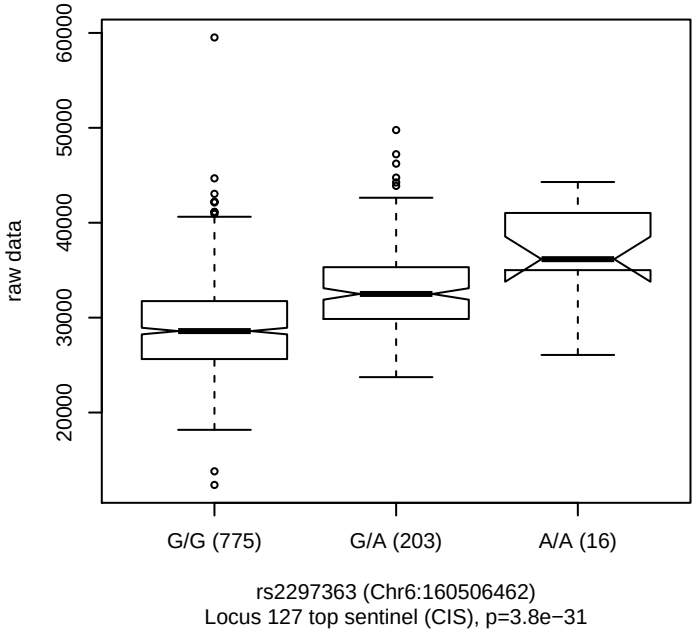

GPVI (Uniprot: Q9HCN6, ProbeID: 3194−36_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Platelet glycoprotein VI


GPVI (Uniprot: Q9HCN6, ProbeID: 3194−36_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (687)
G/T (279)
T/T (30)
rs1654439 (Chr19:55553647)
Locus 126 top sentinel (CIS), p=6.6e−31

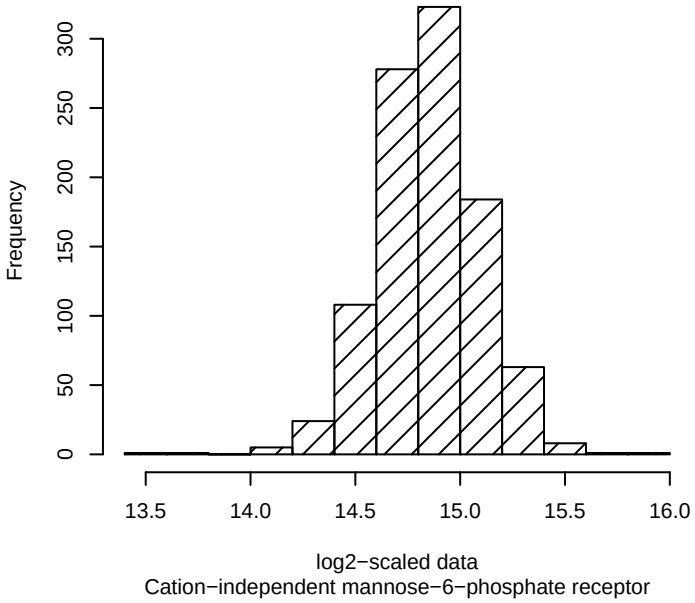
**IGF−II receptor (Uniprot: P11717, ProbeID: 3676−15_3)**



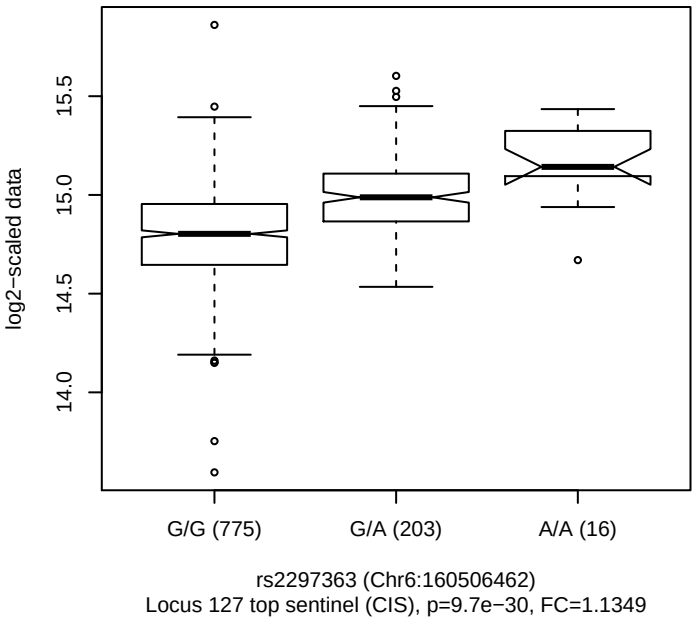

**IGF−II receptor (Uniprot: P11717, ProbeID: 3676−15_3)**



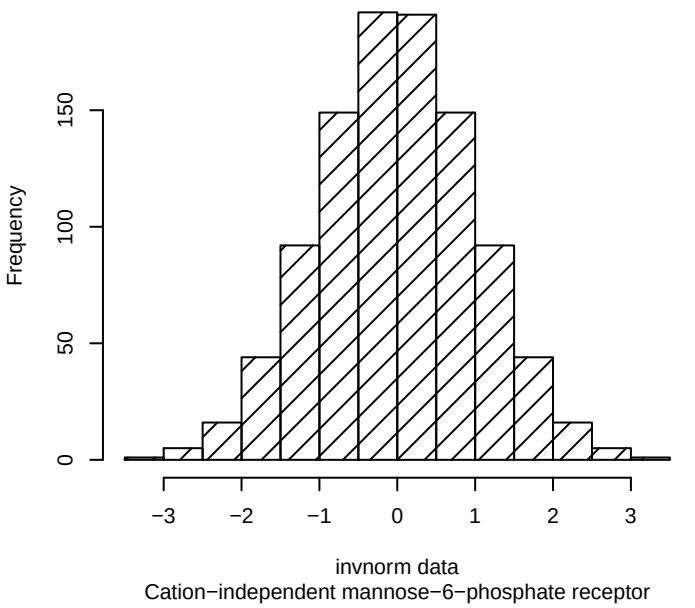

**IGF−II receptor (Uniprot: P11717, ProbeID: 3676−15_3)**



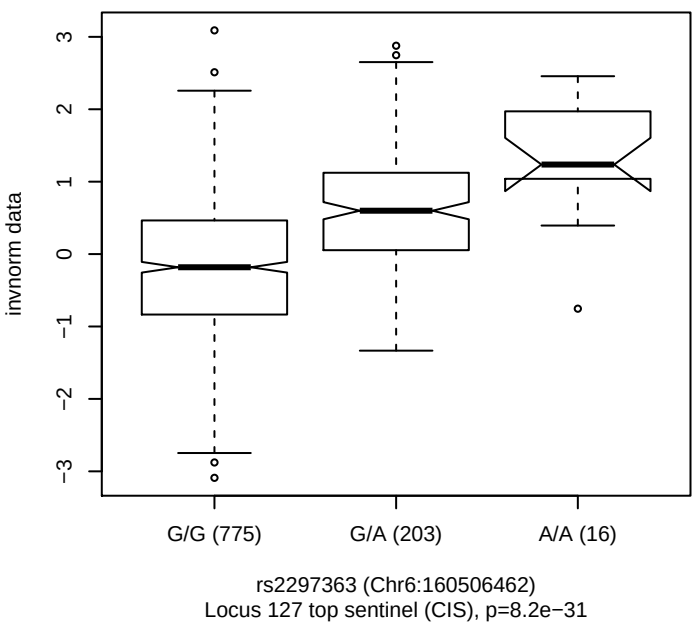

**IGF−II receptor (Uniprot: P11717, ProbeID: 3676−15_3)**

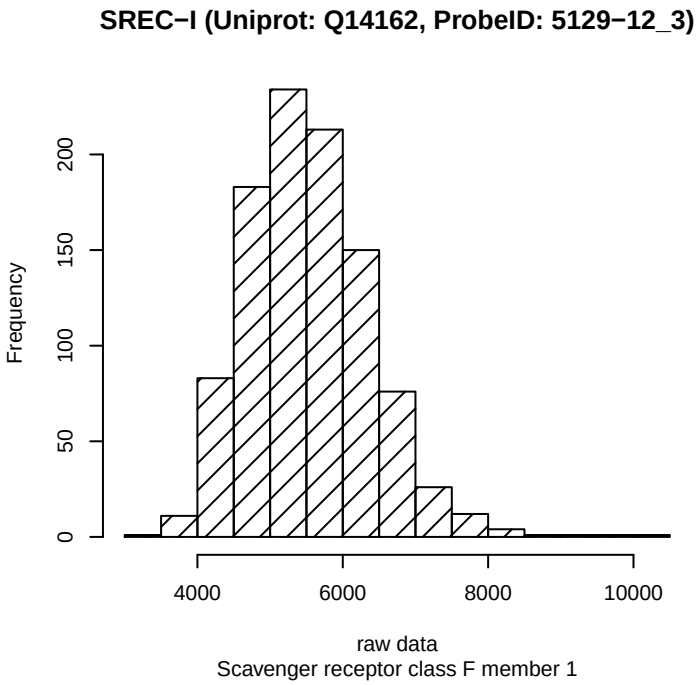


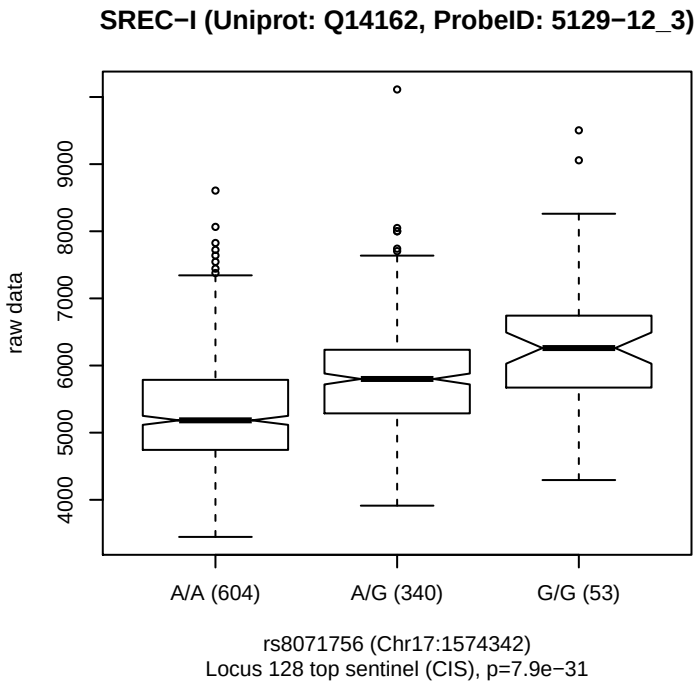

**IGF−II receptor (Uniprot: P11717, ProbeID: 3676−15_3)**

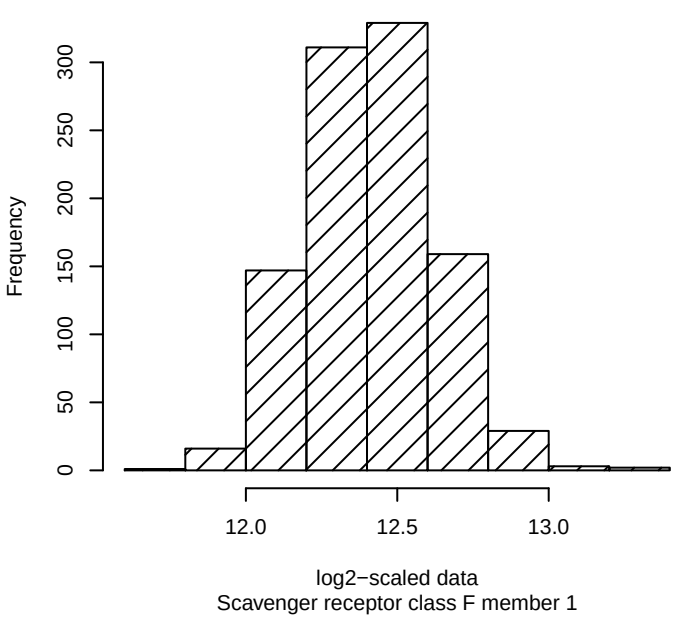


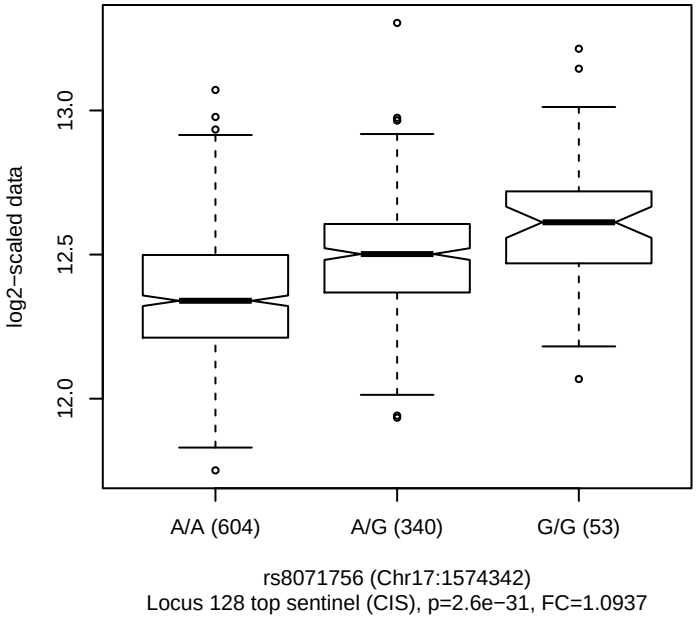

**IGF−II receptor (Uniprot: P11717, ProbeID: 3676−15_3)**

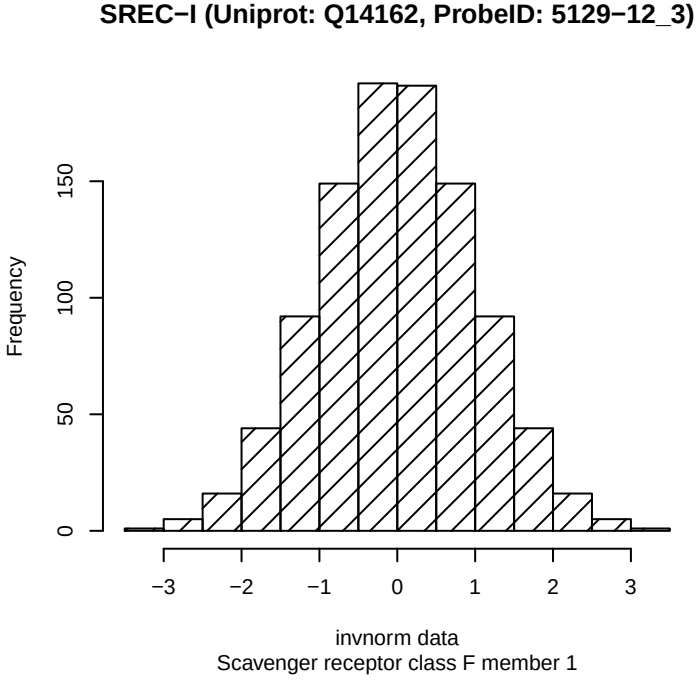


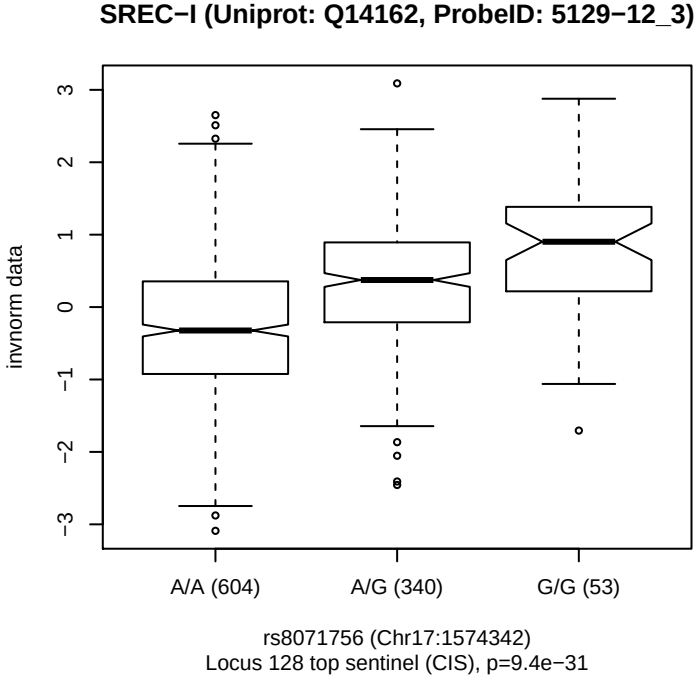

SREC−I (Uniprot: Q14162, ProbeID: 5129−12_3)
Frequency
0
50
100
150
200
4000
6000
8000
10000
raw data
Scavenger receptor class F member 1

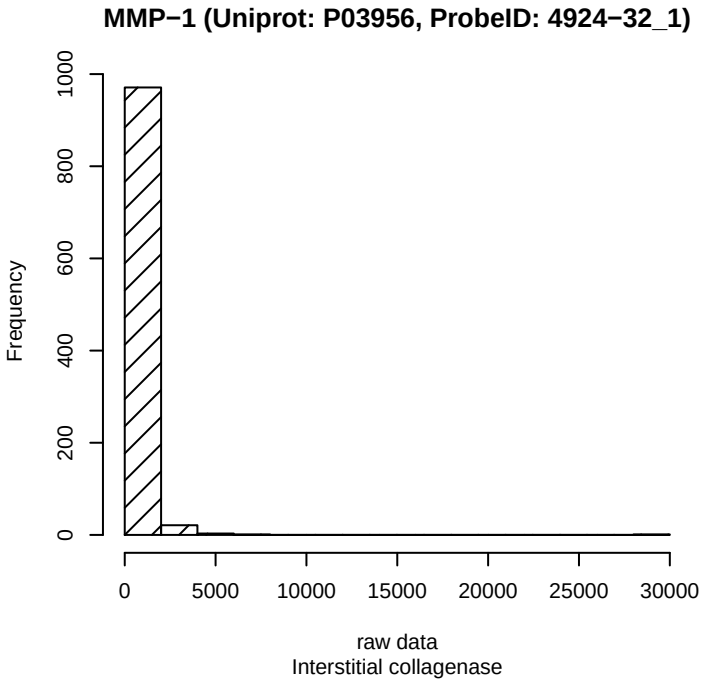

SREC−I (Uniprot: Q14162, ProbeID: 5129−12_3)
raw data
4000
5000
6000
7000
8000
9000
A/A (604)
A/G (340)
G/G (53)
rs8071756 (Chr17:1574342)
Locus 128 top sentinel (CIS), p=7.9e−31

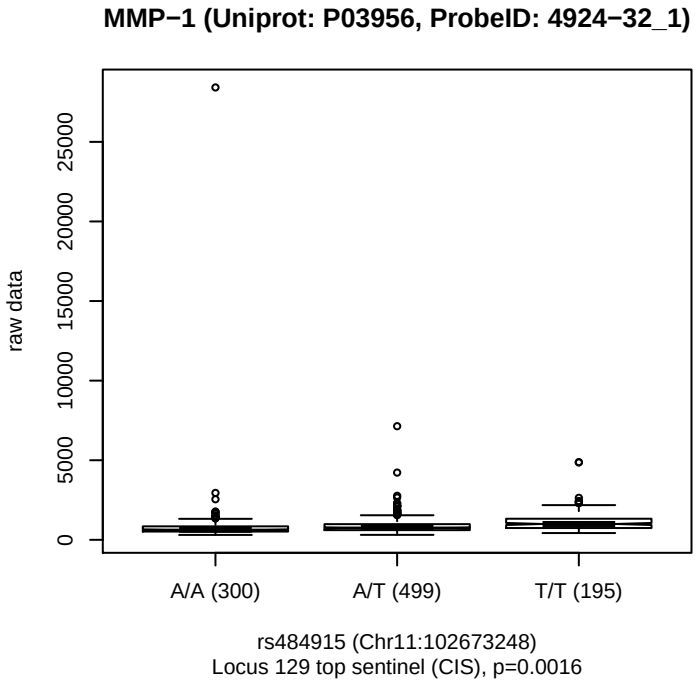

SREC−I (Uniprot: Q14162, ProbeID: 5129−12_3)
Frequency
0
50
100
150
200
250
300
12.0
12.5
13.0
log2−scaled data
Scavenger receptor class F member 1

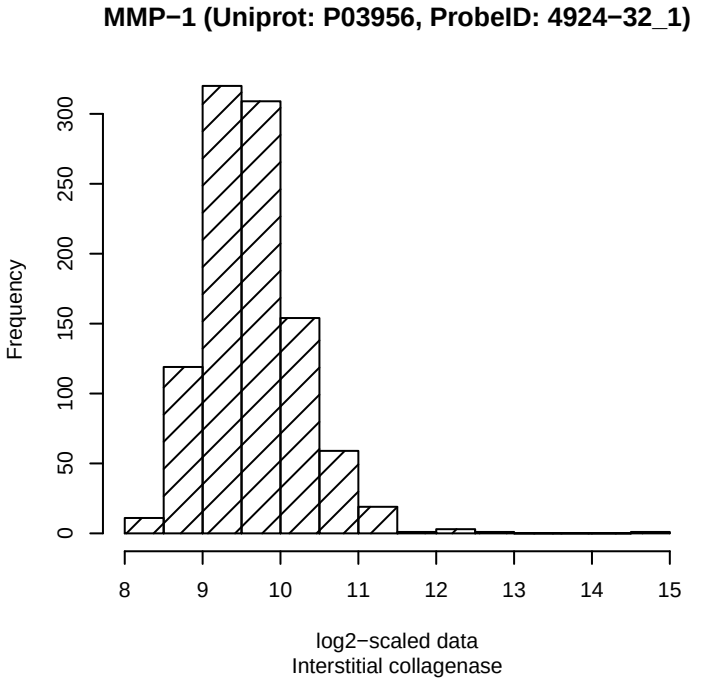

SREC−I (Uniprot: Q14162, ProbeID: 5129−12_3)
log2−scaled data
12.0
12.5
13.0
A/A (604)
A/G (340)
G/G (53)
rs8071756 (Chr17:1574342)
Locus 128 top sentinel (CIS), p=2.6e−31, FC=1.0937

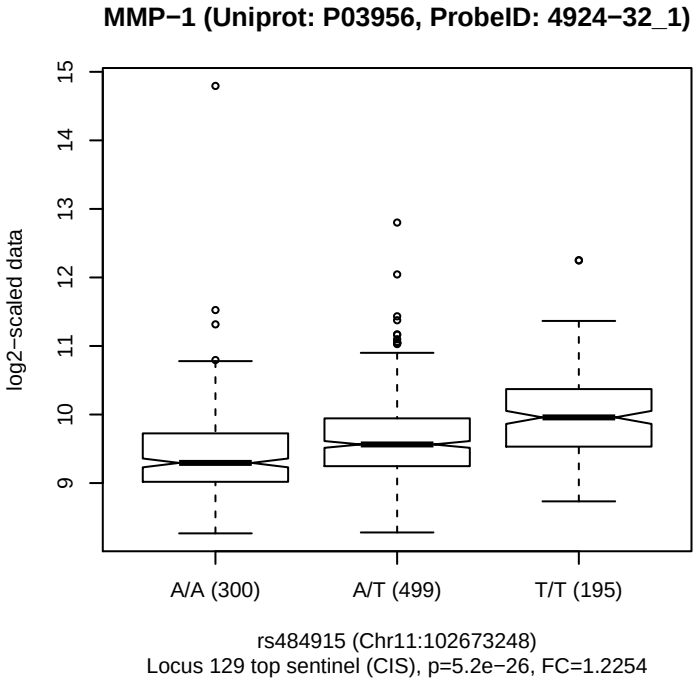

SREC−I (Uniprot: Q14162, ProbeID: 5129−12_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Scavenger receptor class F member 1

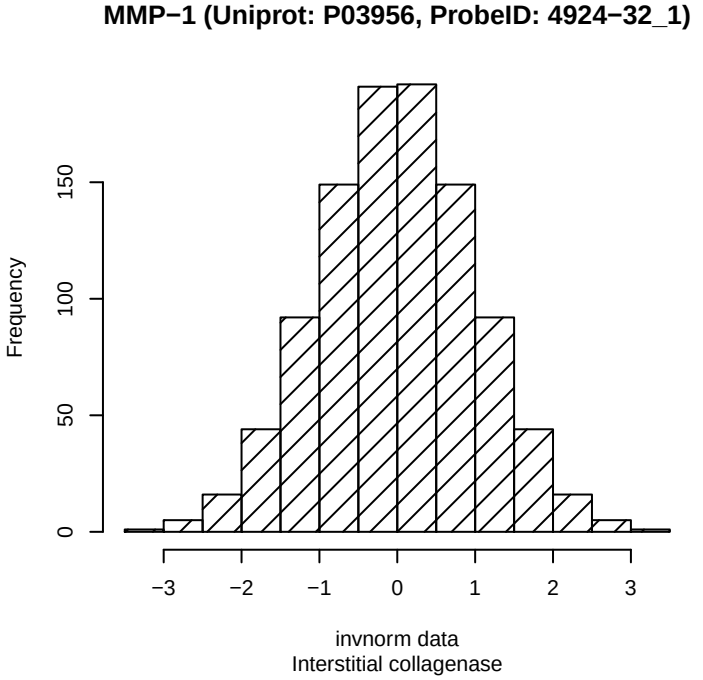

SREC−I (Uniprot: Q14162, ProbeID: 5129−12_3)
invnorm data
−3
−2
−1
0
1
2
3
A/A (604)
A/G (340)
G/G (53)
rs8071756 (Chr17:1574342)
Locus 128 top sentinel (CIS), p=9.4e−31

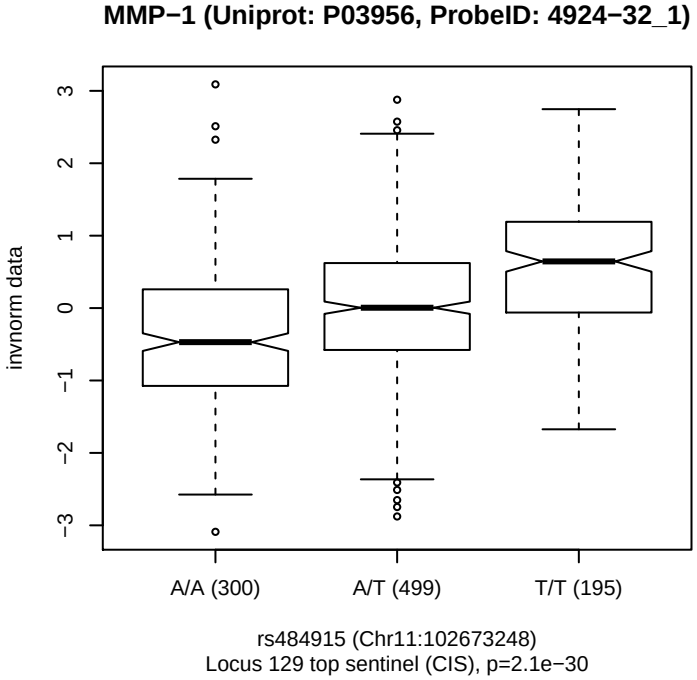

MMP−1 (Uniprot: P03956, ProbeID: 4924−32_1)
Frequency
0
200
400
600
800
1000
0
5000
10000
15000
20000
25000
30000
raw data
Interstitial collagenase

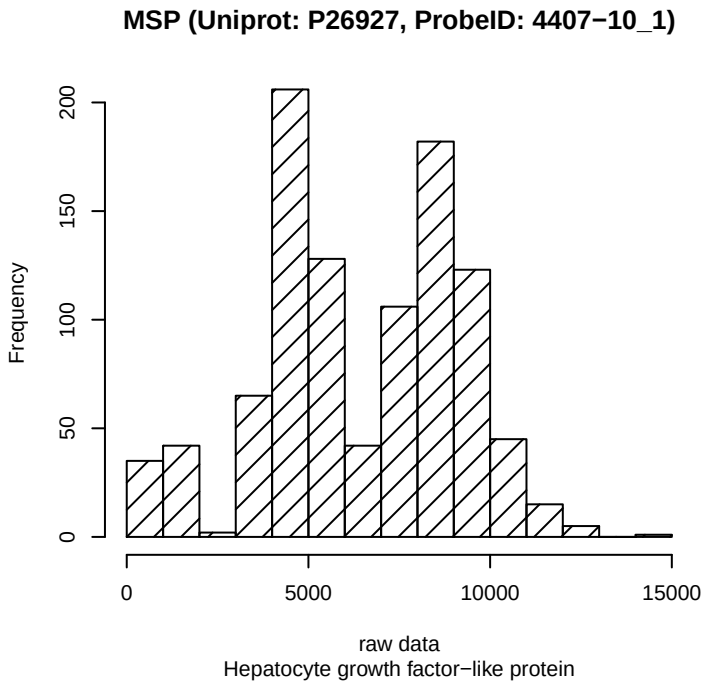

MMP−1 (Uniprot: P03956, ProbeID: 4924−32_1)
raw data
0
5000
10000
15000
20000
25000
A/A (300)
A/T (499)
T/T (195)
rs484915 (Chr11:102673248)
Locus 129 top sentinel (CIS), p=0.0016

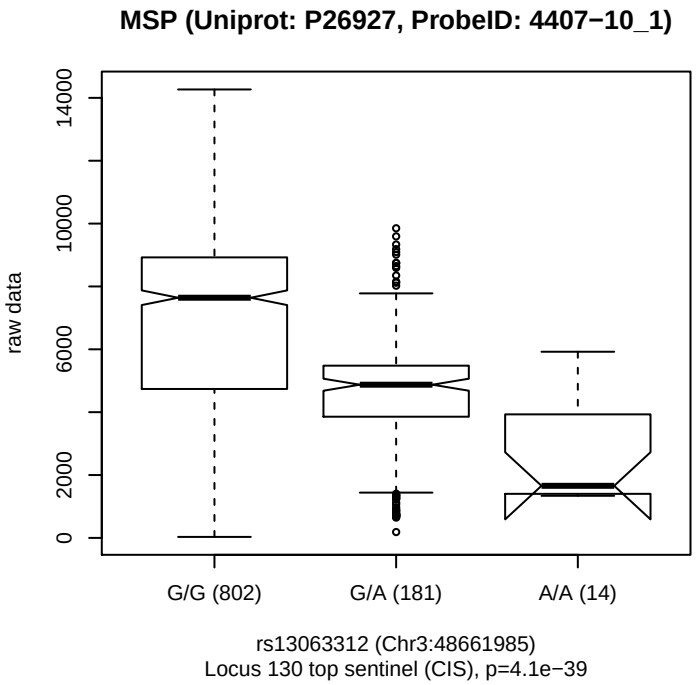

MMP−1 (Uniprot: P03956, ProbeID: 4924−32_1)
Frequency
0
50
100
150
200
250
300
8
9
10
11
12
13
14
15
log2−scaled data
Interstitial collagenase

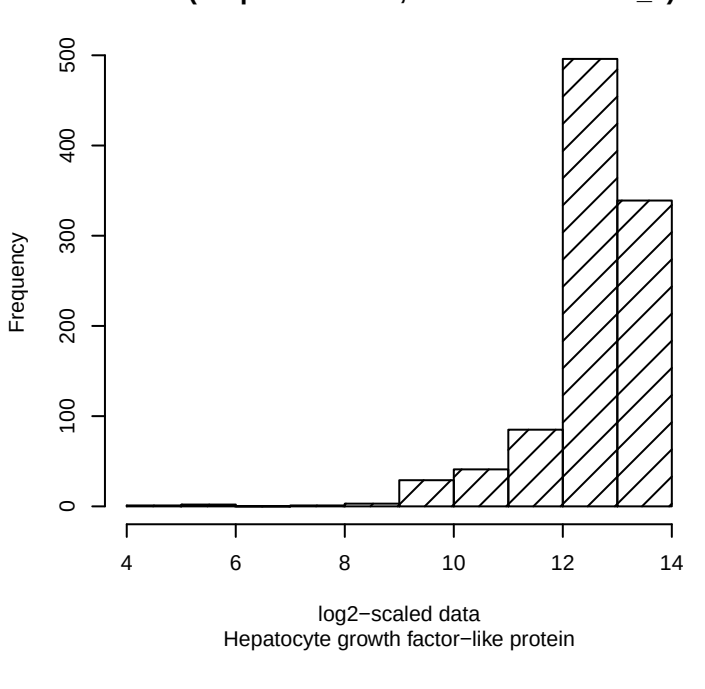

MMP−1 (Uniprot: P03956, ProbeID: 4924−32_1)
log2−scaled data
9
10
11
12
13
14
15
A/A (300)
A/T (499)
T/T (195)
rs484915 (Chr11:102673248)
Locus 129 top sentinel (CIS), p=5.2e−26, FC=1.2254

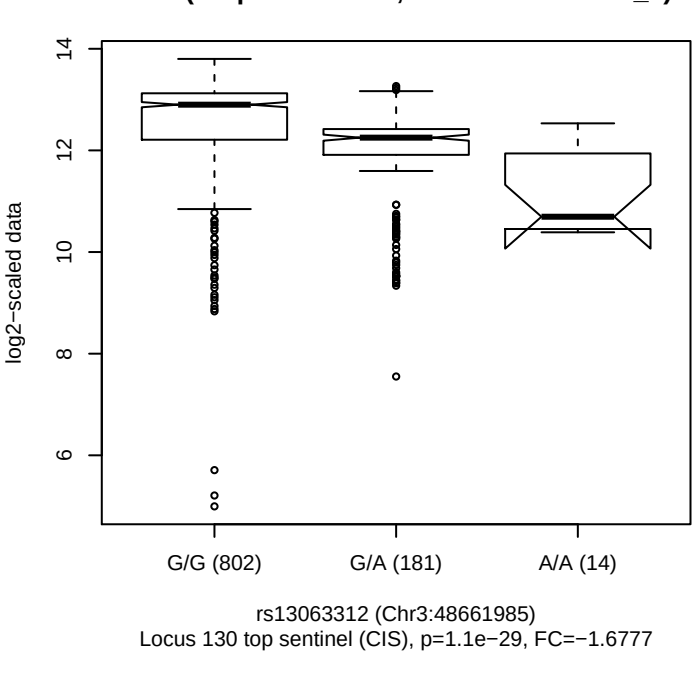

MMP−1 (Uniprot: P03956, ProbeID: 4924−32_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Interstitial collagenase

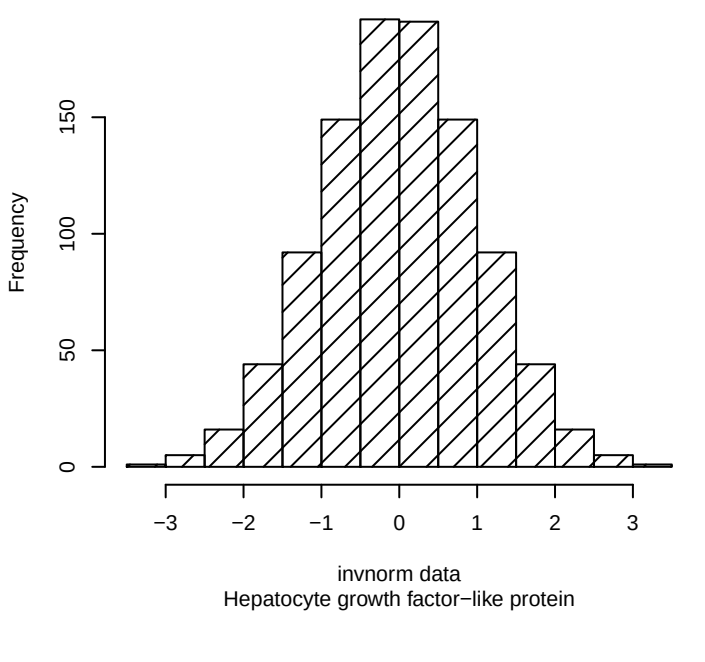

MMP−1 (Uniprot: P03956, ProbeID: 4924−32_1)
invnorm data
−3
−2
−1
0
1
2
3
A/A (300)
A/T (499)
T/T (195)
rs484915 (Chr11:102673248)
Locus 129 top sentinel (CIS), p=2.1e−30

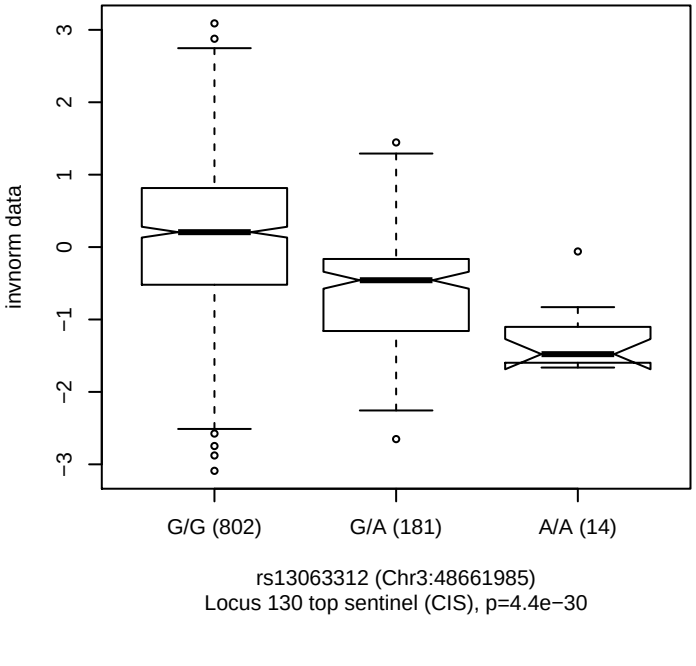

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
Frequency
0
50
100
150
200
0
5000
10000
15000
raw data
Hepatocyte growth factor−like protein

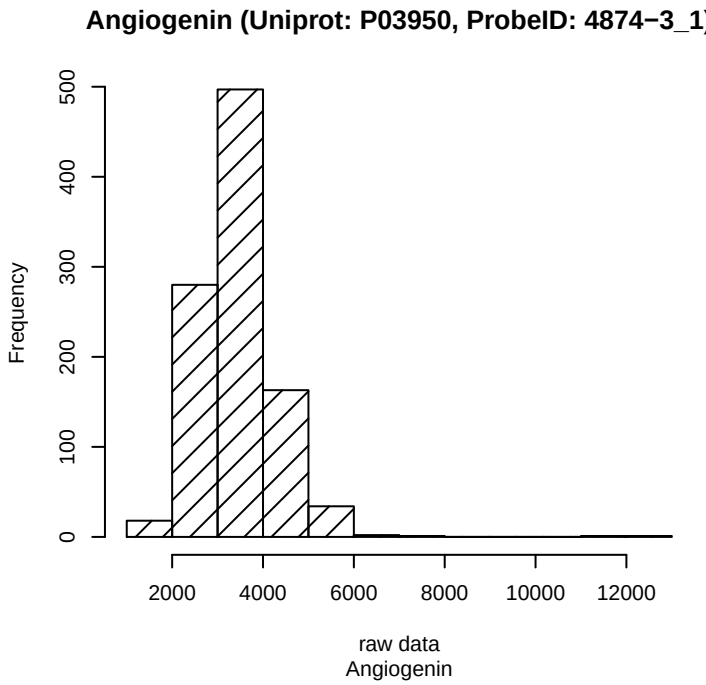

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
raw data
0
2000
6000
10000
14000
G/G (802)
G/A (181)
A/A (14)
rs13063312 (Chr3:48661985)
Locus 130 top sentinel (CIS), p=4.1e−39

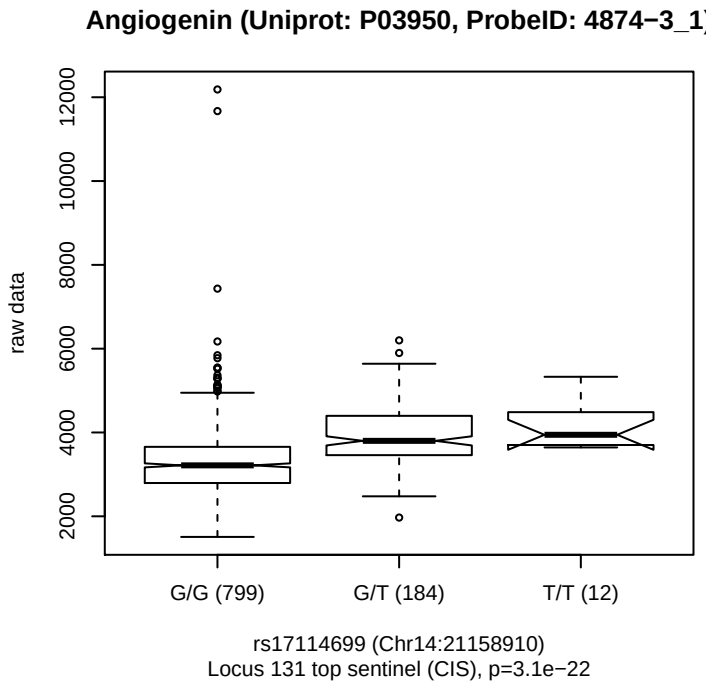

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
Frequency
0
100
200
300
400
500
4
6
8
10
12
14
log2−scaled data
Hepatocyte growth factor−like protein

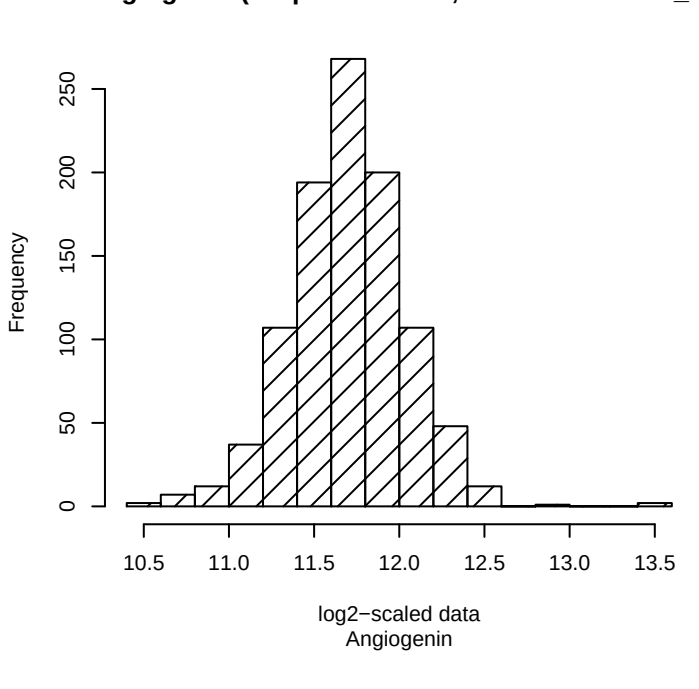

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
log2−scaled data
6
8
10
12
14
G/G (802)
G/A (181)
A/A (14)
rs13063312 (Chr3:48661985)
Locus 130 top sentinel (CIS), p=1.1e−29, FC=−1.6777

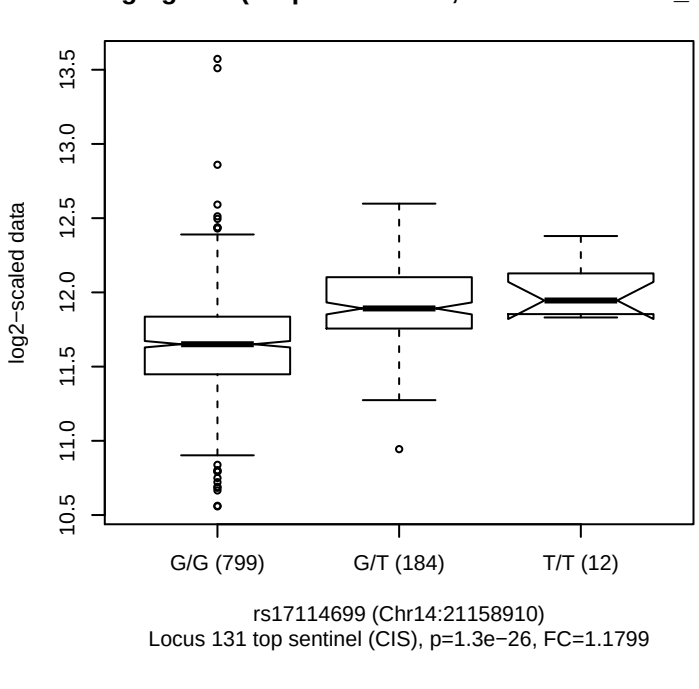

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Hepatocyte growth factor−like protein

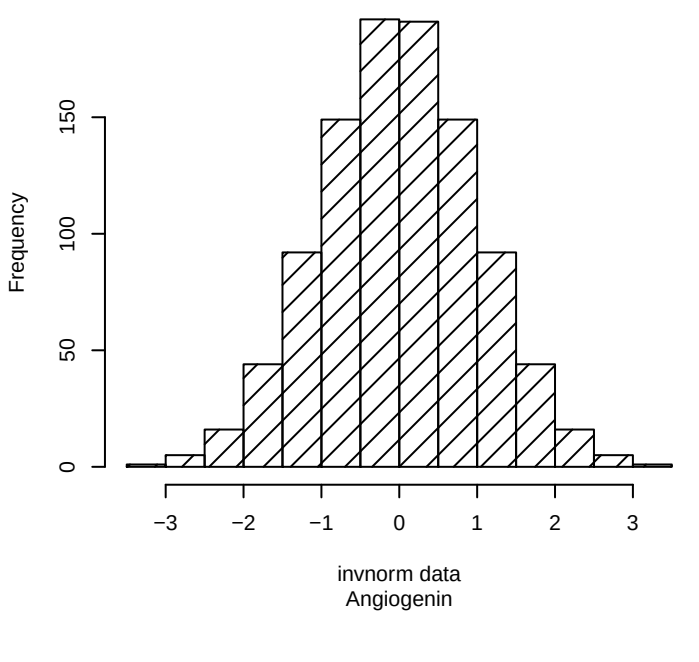

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
invnorm data
−3
−2
−1
0
1
2
3
G/G (802)
G/A (181)
A/A (14)
rs13063312 (Chr3:48661985)
Locus 130 top sentinel (CIS), p=4.4e−30

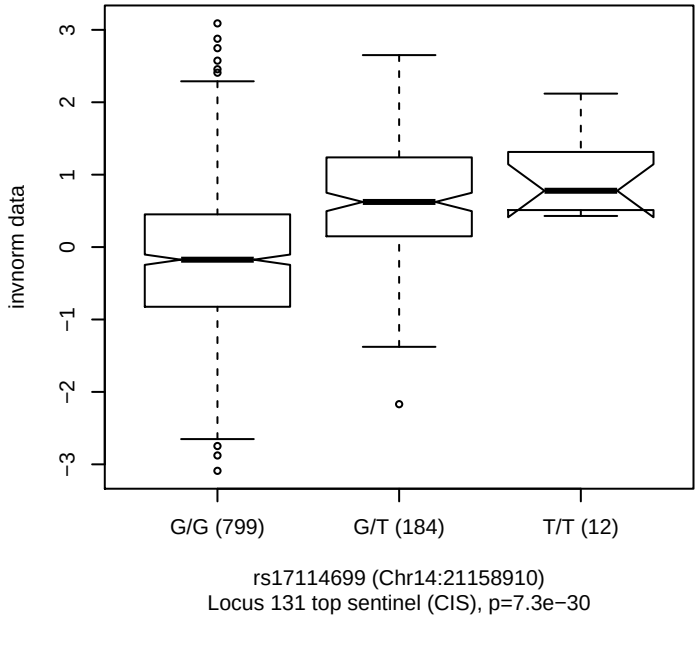

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
Frequency
0
100
200
300
400
500
2000
4000
6000
8000
10000
12000
raw data
Angiogenin

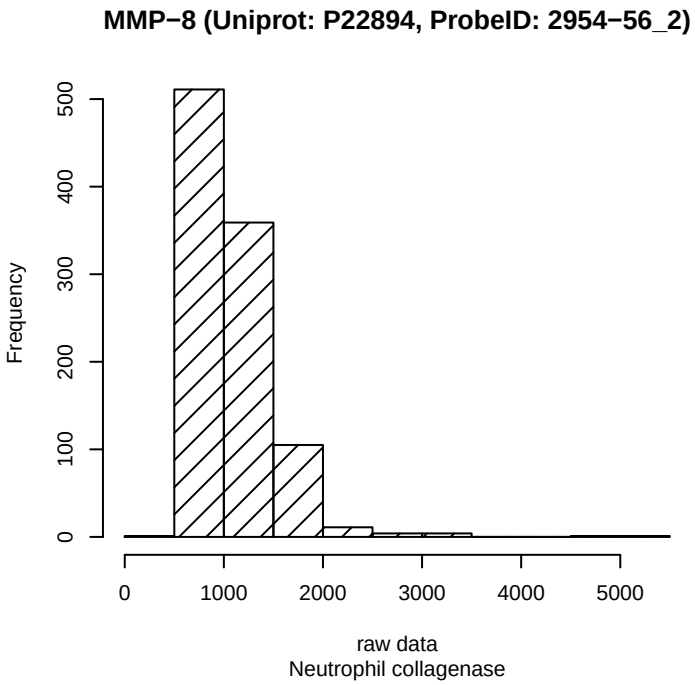

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
raw data
2000
4000
6000
8000
10000
12000
G/G (799)
G/T (184)
T/T (12)
rs17114699 (Chr14:21158910)
Locus 131 top sentinel (CIS), p=3.1e−22

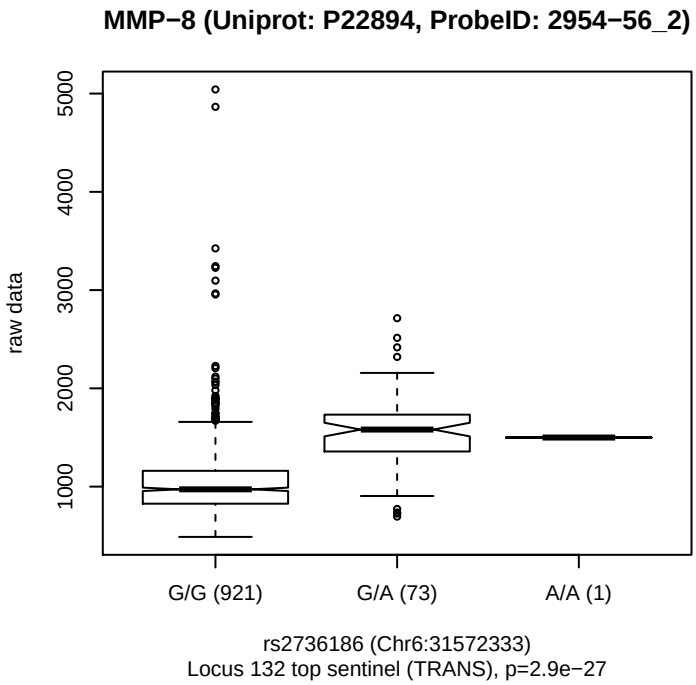

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
Frequency
0
50
100
150
200
250
10.5
11.0
11.5
12.0
12.5
13.0
13.5
log2−scaled data
Angiogenin

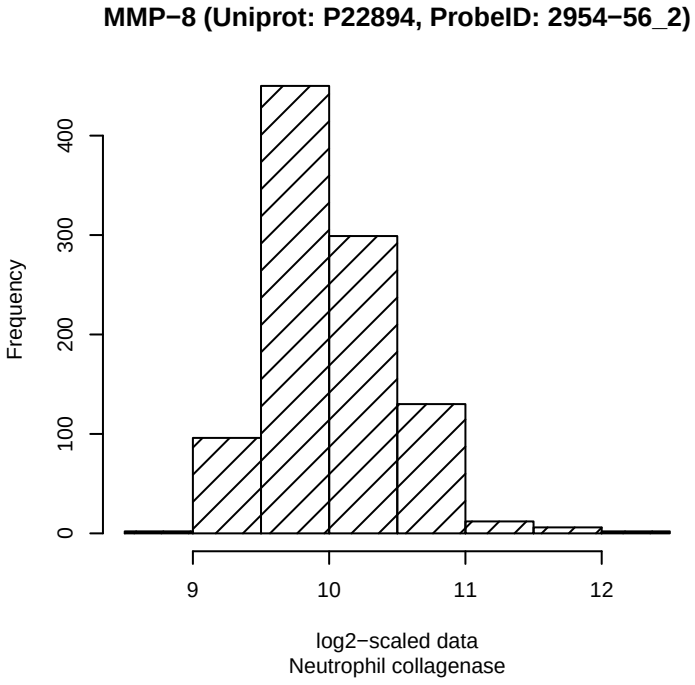

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
log2−scaled data
10.5
11.0
11.5
12.0
12.5
13.0
13.5
G/G (799)
G/T (184)
T/T (12)
rs17114699 (Chr14:21158910)
Locus 131 top sentinel (CIS), p=1.3e−26, FC=1.1799

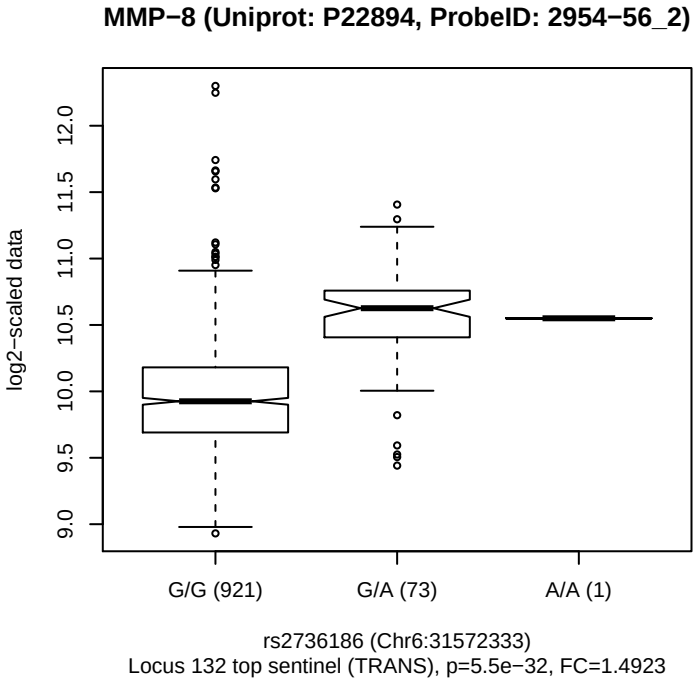

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Angiogenin

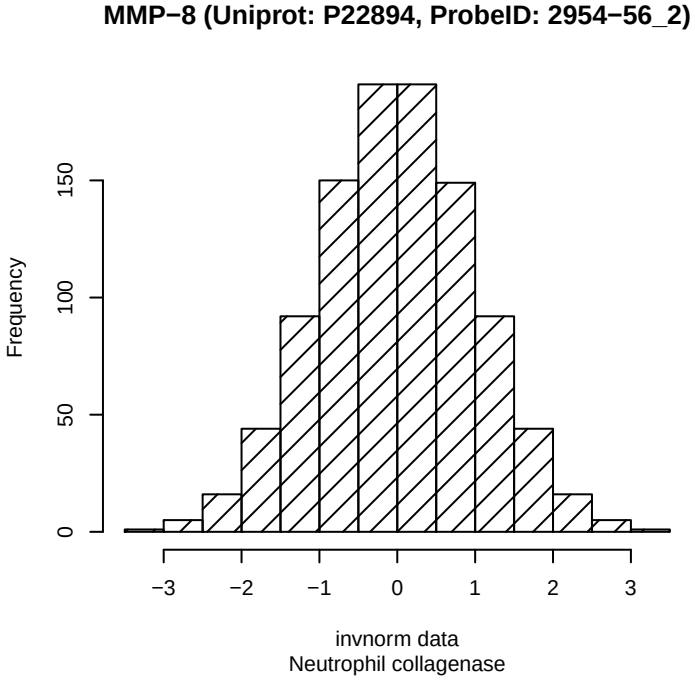

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
invnorm data
−3
−2
−1
0
1
2
3
G/G (799)
G/T (184)
T/T (12)
rs17114699 (Chr14:21158910)
Locus 131 top sentinel (CIS), p=7.3e−30

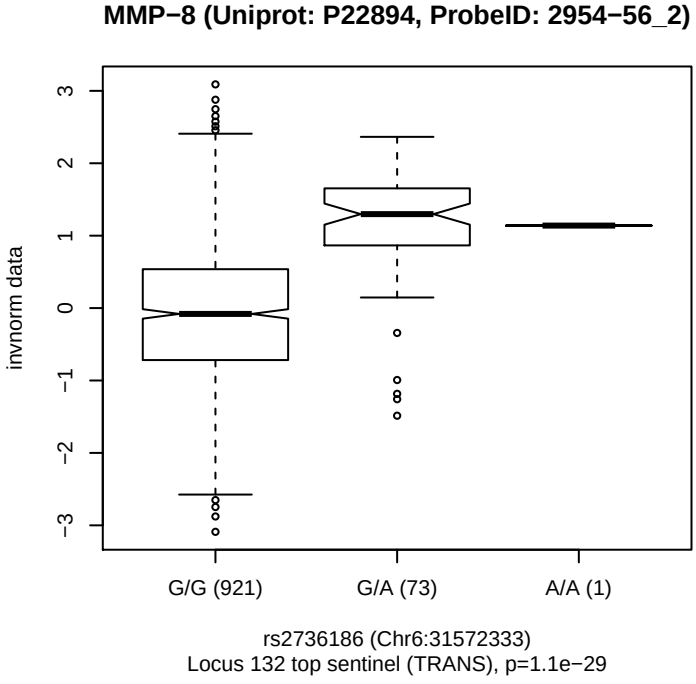

MMP−8 (Uniprot: P22894, ProbeID: 2954−56_2)
Frequency
0
100
200
300
400
500
0
1000
2000
3000
4000
5000
raw data
Neutrophil collagenase

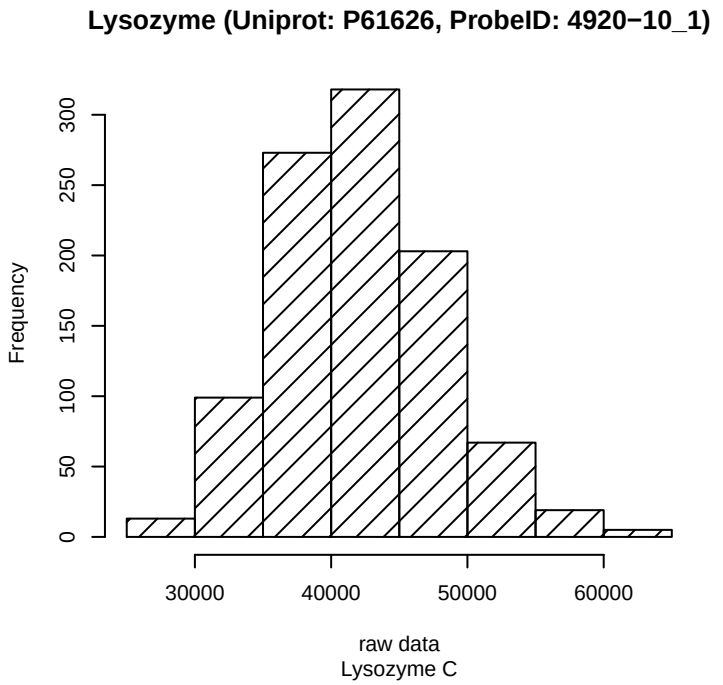

MMP−8 (Uniprot: P22894, ProbeID: 2954−56_2)
raw data
1000
2000
3000
4000
5000
G/G (921)
G/A (73)
A/A (1)
rs2736186 (Chr6:31572333)
Locus 132 top sentinel (TRANS), p=2.9e−27

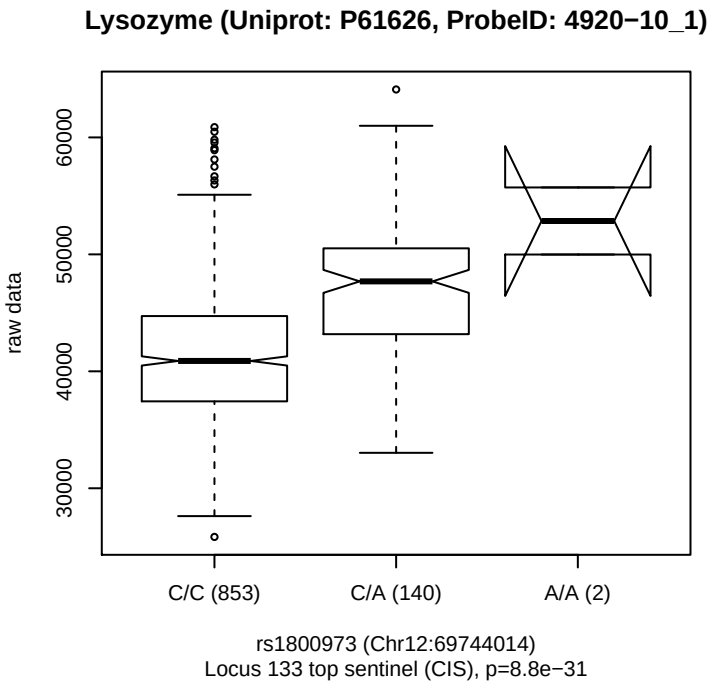

MMP−8 (Uniprot: P22894, ProbeID: 2954−56_2)
Frequency
0
100
200
300
400
9
10
11
12
log2−scaled data
Neutrophil collagenase

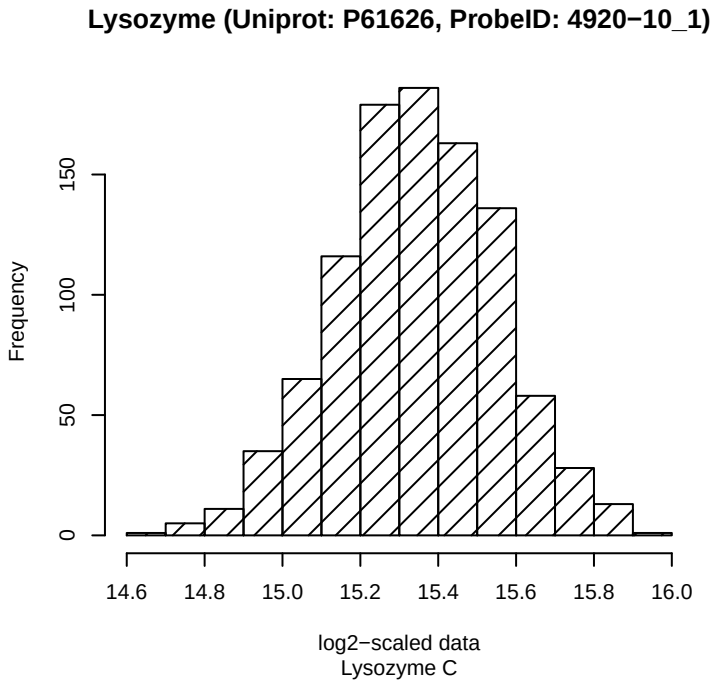

MMP−8 (Uniprot: P22894, ProbeID: 2954−56_2)
log2−scaled data
9.0
9.5
10.0
10.5
11.0
11.5
12.0
G/G (921)
G/A (73)
A/A (1)
rs2736186 (Chr6:31572333)
Locus 132 top sentinel (TRANS), p=5.5e−32, FC=1.4923

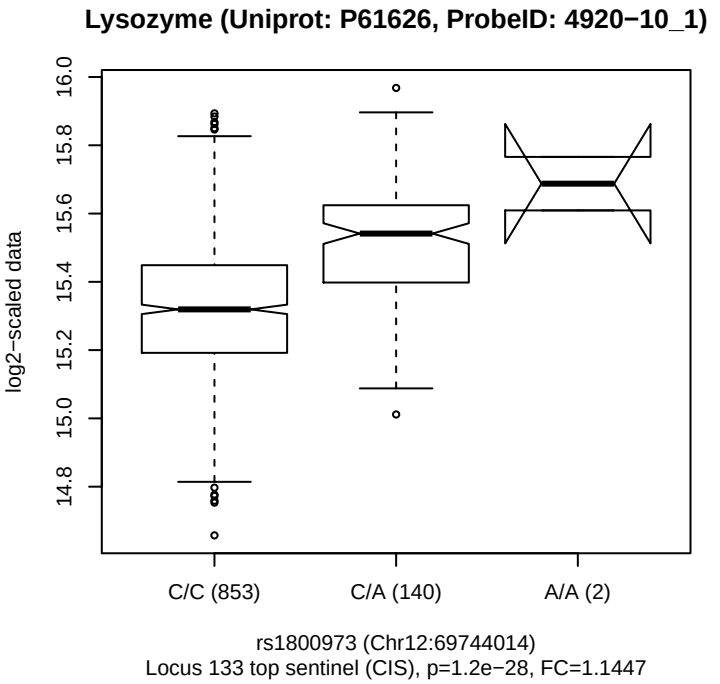

MMP−8 (Uniprot: P22894, ProbeID: 2954−56_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Neutrophil collagenase

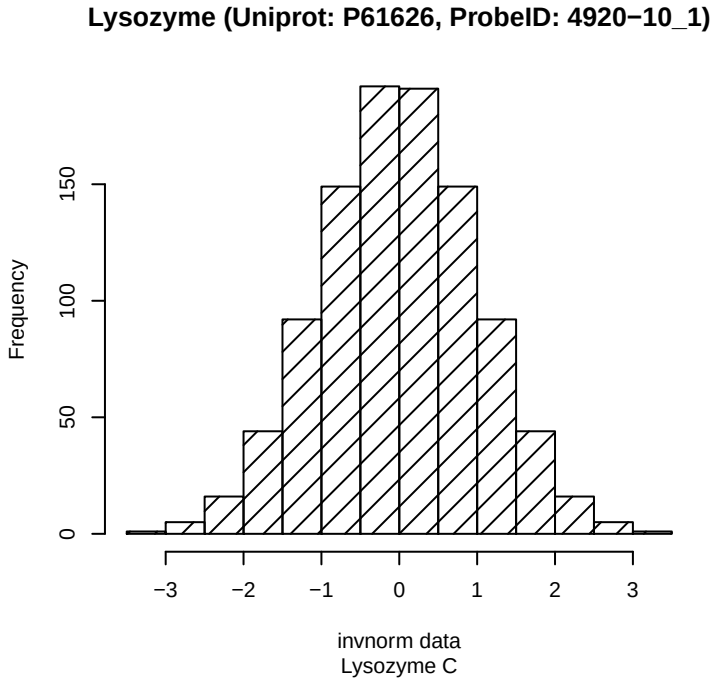

MMP−8 (Uniprot: P22894, ProbeID: 2954−56_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (921)
G/A (73)
A/A (1)
rs2736186 (Chr6:31572333)
Locus 132 top sentinel (TRANS), p=1.1e−29

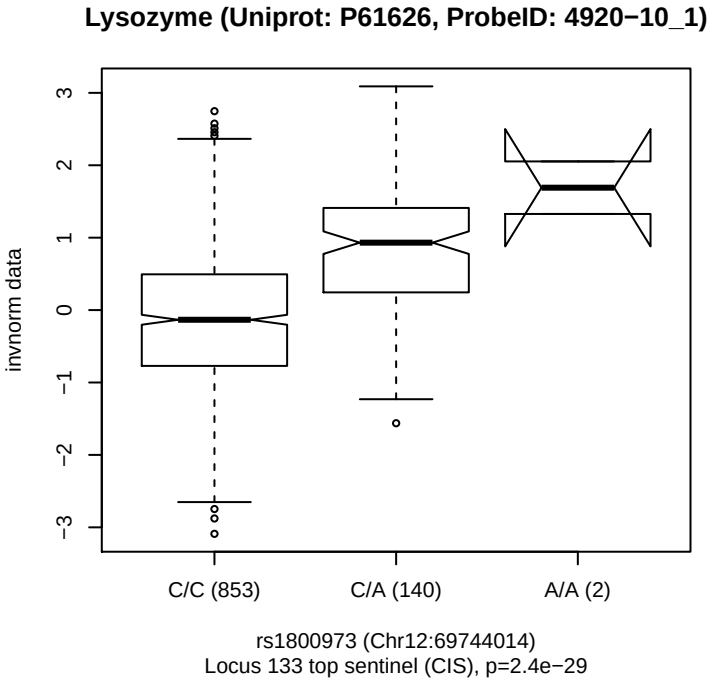

Lysozyme (Uniprot: P61626, ProbeID: 4920−10_1)
Frequency
0
50
100
150
200
250
300
30000
40000
50000
60000
raw data
Lysozyme C

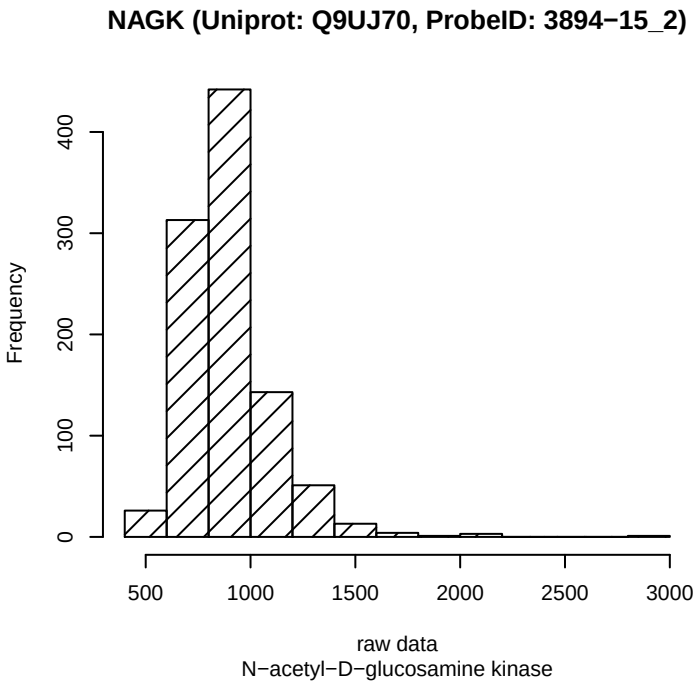

Lysozyme (Uniprot: P61626, ProbeID: 4920−10_1)
raw data
30000
40000
50000
60000
C/C (853)
C/A (140)
A/A (2)
rs1800973 (Chr12:69744014)
Locus 133 top sentinel (CIS), p=8.8e−31

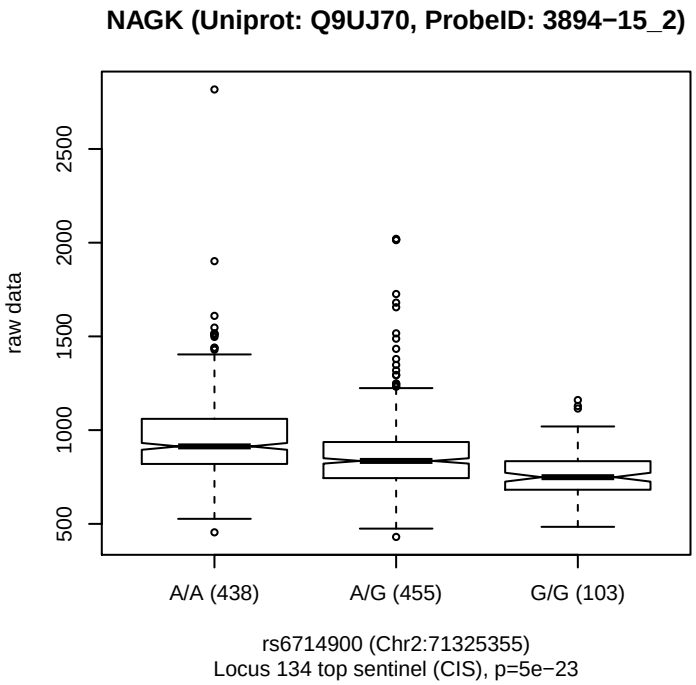

Lysozyme (Uniprot: P61626, ProbeID: 4920−10_1)
Frequency
0
50
100
150
14.6
14.8
15.0
15.2
15.4
15.6
15.8
16.0
log2−scaled data
Lysozyme C

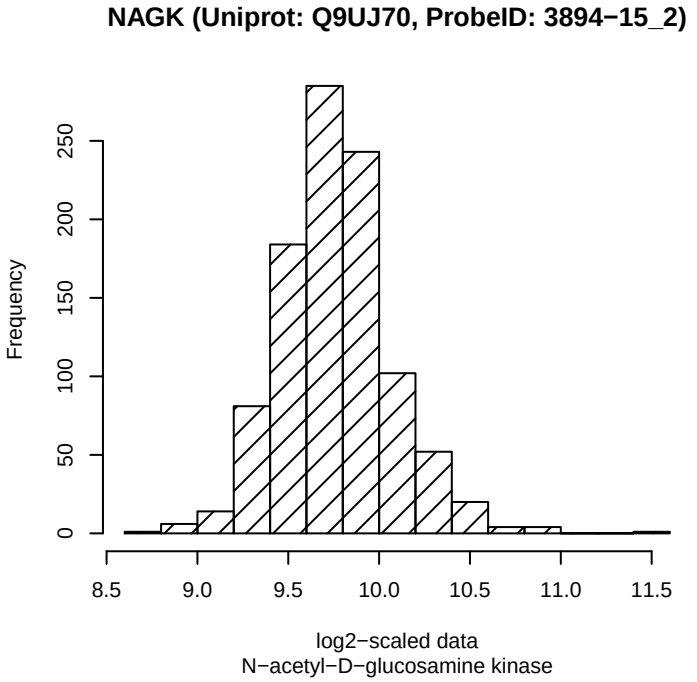

Lysozyme (Uniprot: P61626, ProbeID: 4920−10_1)
log2−scaled data
14.8
15.0
15.2
15.4
15.6
15.8
16.0
C/C (853)
C/A (140)
A/A (2)
rs1800973 (Chr12:69744014)
Locus 133 top sentinel (CIS), p=1.2e−28, FC=1.1447

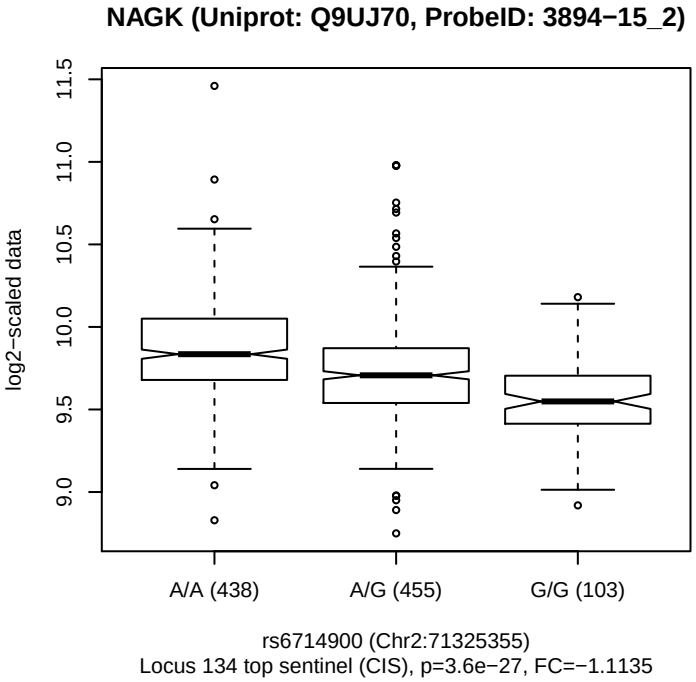

Lysozyme (Uniprot: P61626, ProbeID: 4920−10_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Lysozyme C

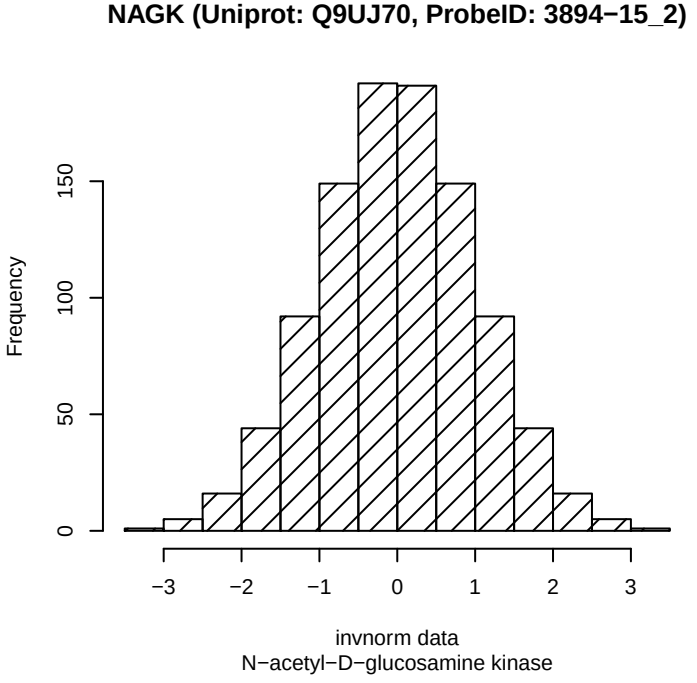

Lysozyme (Uniprot: P61626, ProbeID: 4920−10_1)
invnorm data
−3
−2
−1
0
1
2
3
C/C (853)
C/A (140)
A/A (2)
rs1800973 (Chr12:69744014)
Locus 133 top sentinel (CIS), p=2.4e−29

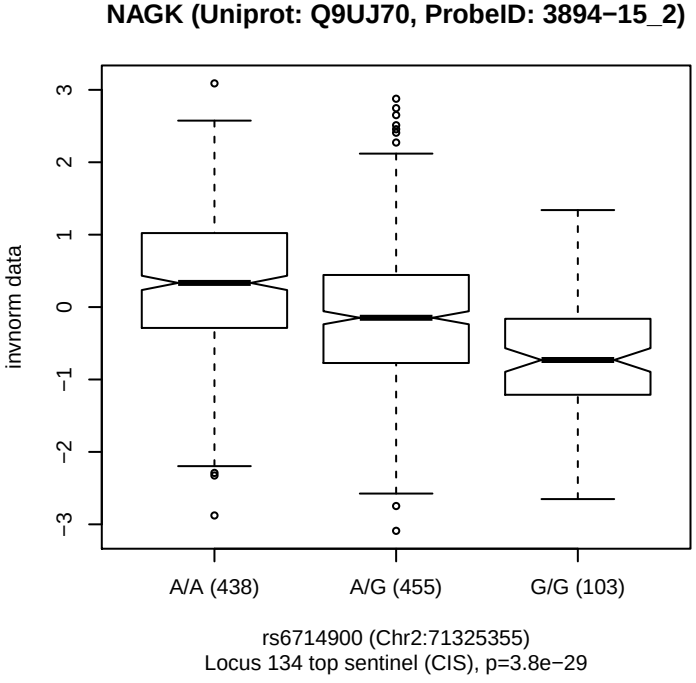

NAGK (Uniprot: Q9UJ70, ProbeID: 3894−15_2)
Frequency
0
100
200
300
400
500
1000
1500
2000
2500
3000
raw data
N−acetyl−D−glucosamine kinase

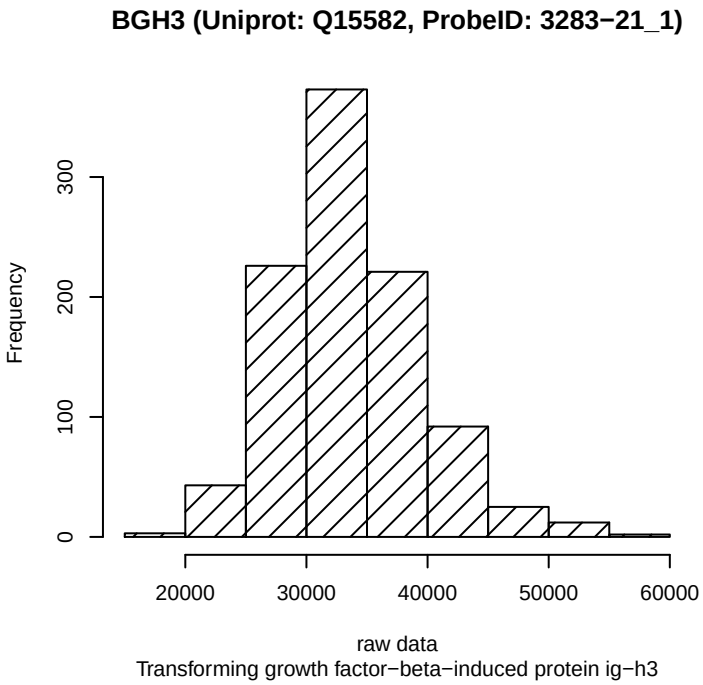

NAGK (Uniprot: Q9UJ70, ProbeID: 3894−15_2)
raw data
500
1000
1500
2000
2500
A/A (438)
A/G (455)
G/G (103)
rs6714900 (Chr2:71325355)
Locus 134 top sentinel (CIS), p=5e−23

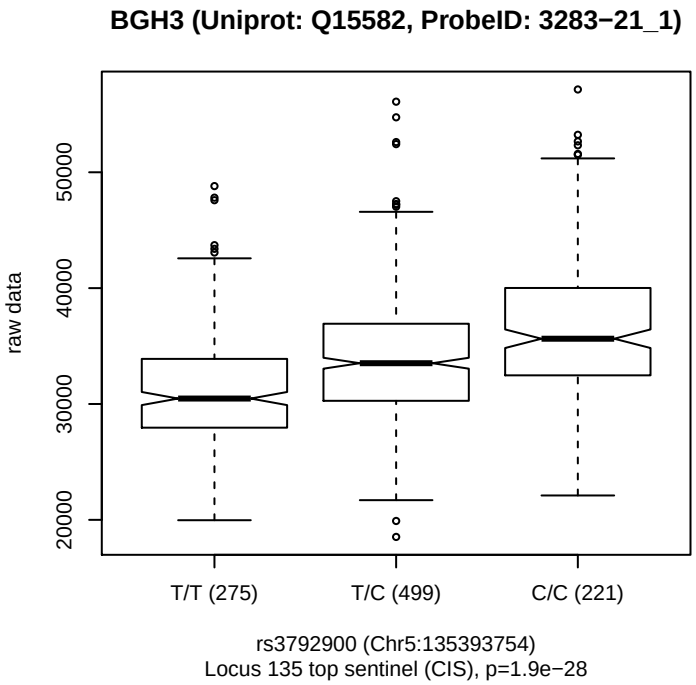

NAGK (Uniprot: Q9UJ70, ProbeID: 3894−15_2)
Frequency
0
50
100
150
200
250
8.5
9.0
9.5
10.0
10.5
11.0
11.5
log2−scaled data
N−acetyl−D−glucosamine kinase

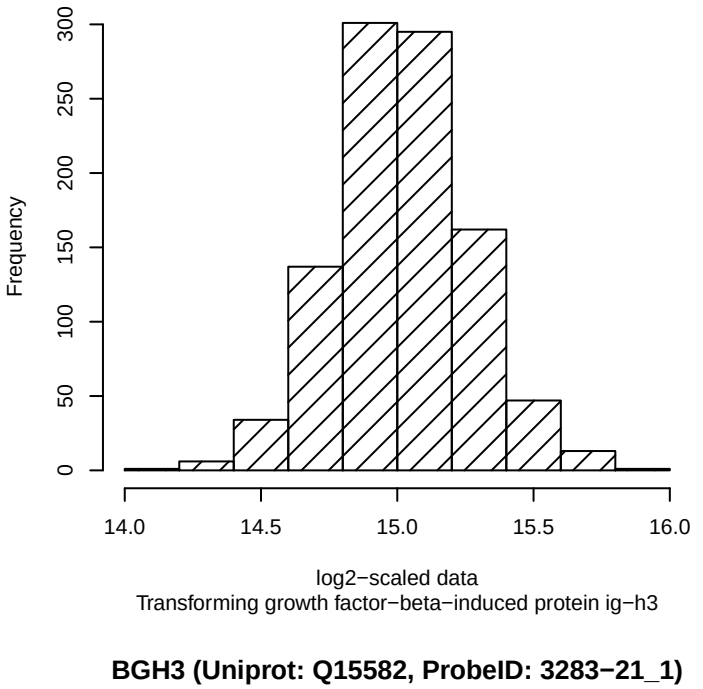

NAGK (Uniprot: Q9UJ70, ProbeID: 3894−15_2)
log2−scaled data
9.0
9.5
10.0
10.5
11.0
11.5
A/A (438)
A/G (455)
G/G (103)
rs6714900 (Chr2:71325355)
Locus 134 top sentinel (CIS), p=3.6e−27, FC=−1.1135

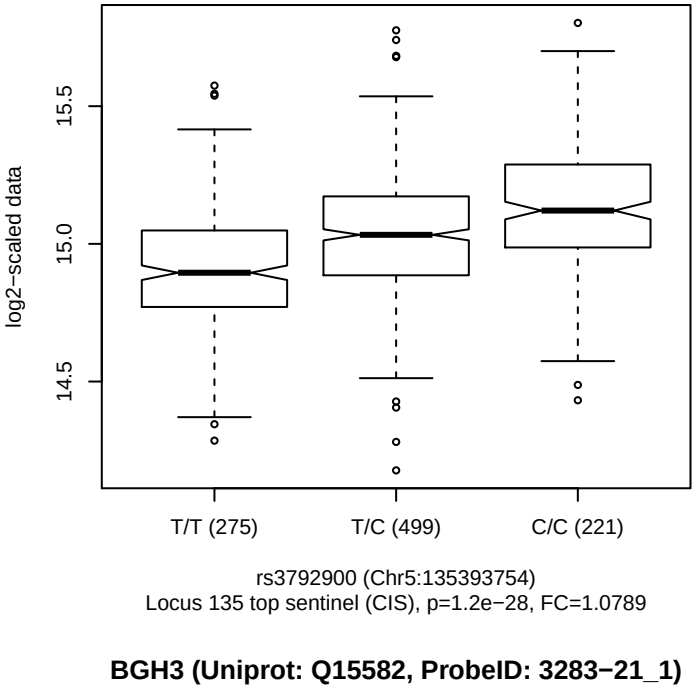

NAGK (Uniprot: Q9UJ70, ProbeID: 3894−15_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
N−acetyl−D−glucosamine kinase

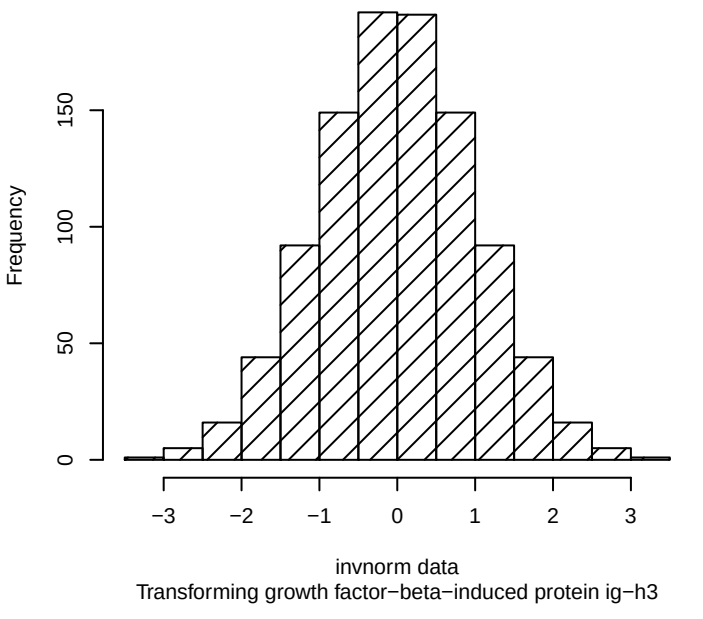

NAGK (Uniprot: Q9UJ70, ProbeID: 3894−15_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (438)
A/G (455)
G/G (103)
rs6714900 (Chr2:71325355)
Locus 134 top sentinel (CIS), p=3.8e−29

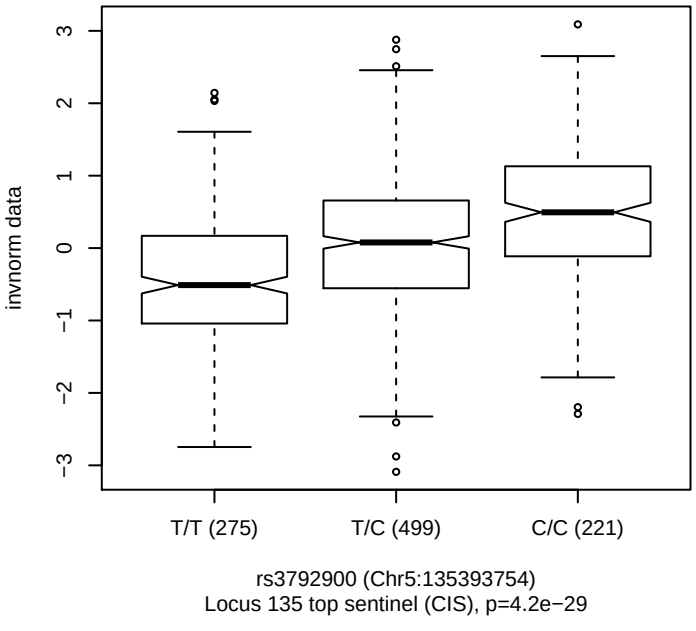

BGH3 (Uniprot: Q15582, ProbeID: 3283−21_1)
Frequency
0
100
200
300
20000
30000
40000
50000
60000
raw data
Transforming growth factor−beta−induced protein ig−h3

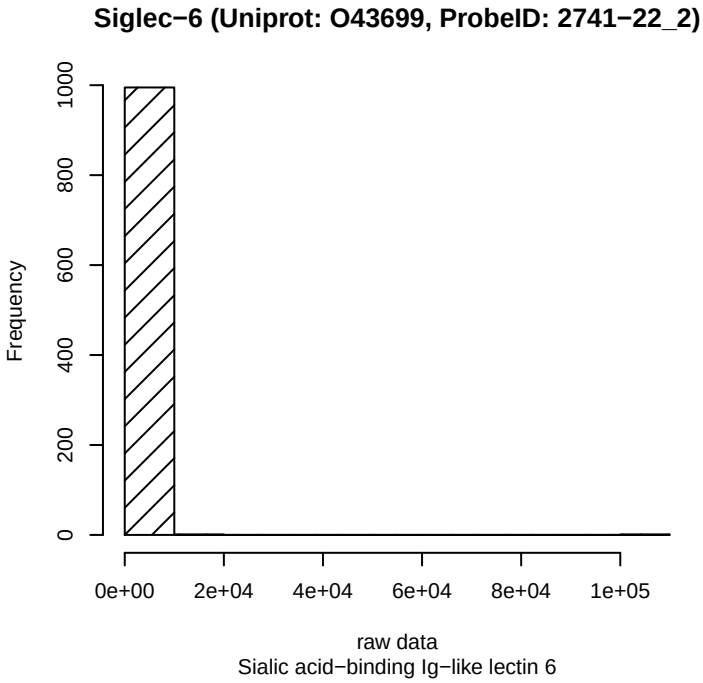

BGH3 (Uniprot: Q15582, ProbeID: 3283−21_1)
raw data
20000
30000
40000
50000
T/T (275)
T/C (499)
C/C (221)
rs3792900 (Chr5:135393754)
Locus 135 top sentinel (CIS), p=1.9e−28

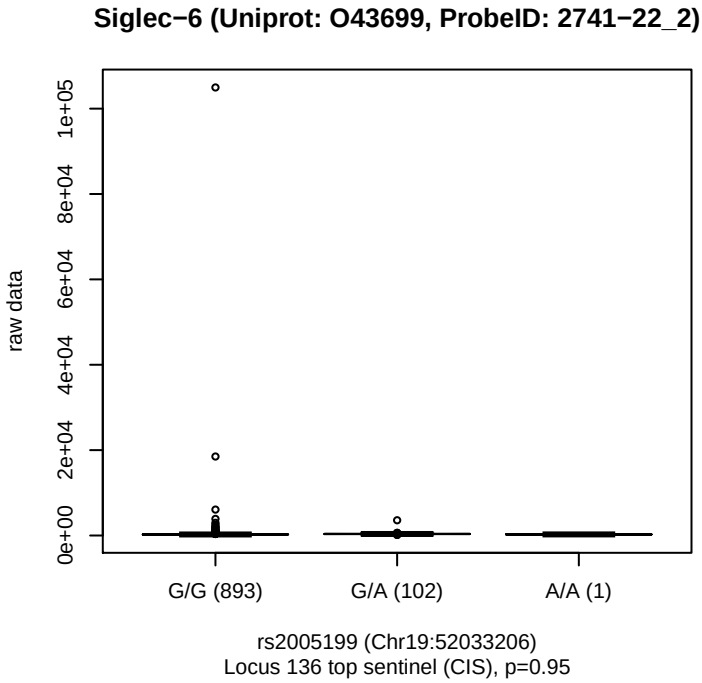

BGH3 (Uniprot: Q15582, ProbeID: 3283−21_1)
Frequency
0
50
100
150
200
250
300
14.0
14.5
15.0
15.5
16.0
log2−scaled data
Transforming growth factor−beta−induced protein ig−h3

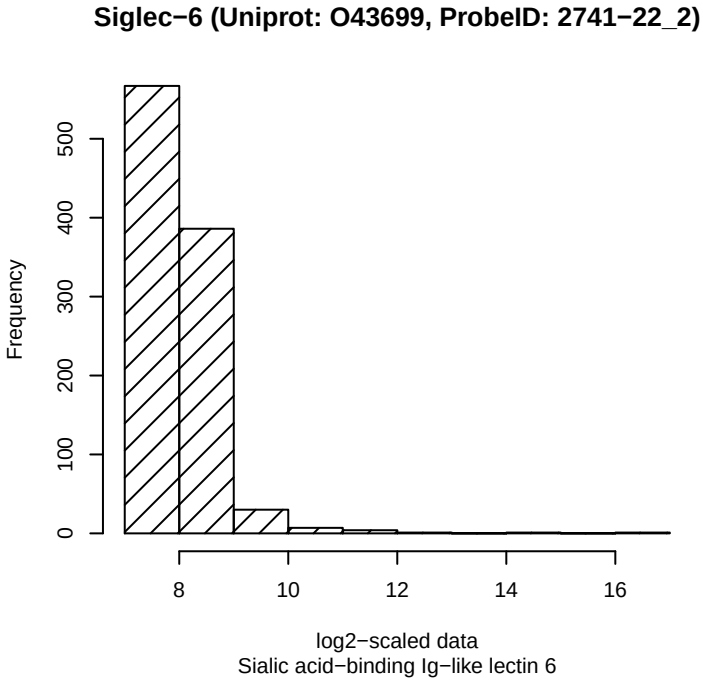

BGH3 (Uniprot: Q15582, ProbeID: 3283−21_1)
log2−scaled data
14.5
15.0
15.5
T/T (275)
T/C (499)
C/C (221)
rs3792900 (Chr5:135393754)
Locus 135 top sentinel (CIS), p=1.2e−28, FC=1.0789

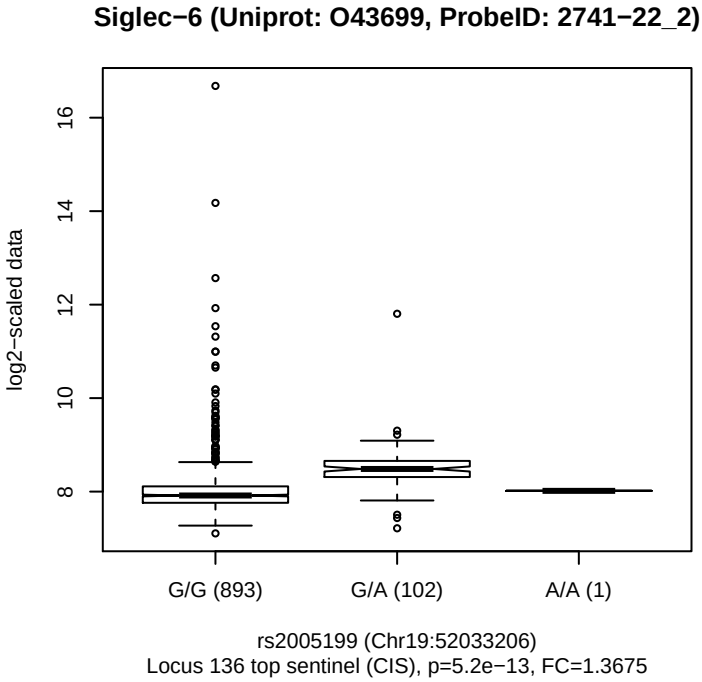

BGH3 (Uniprot: Q15582, ProbeID: 3283−21_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Transforming growth factor−beta−induced protein ig−h3

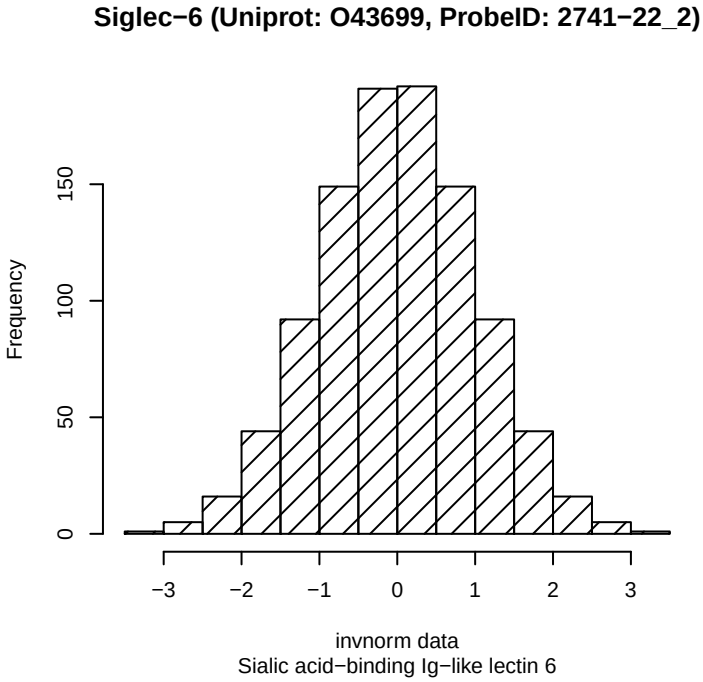

BGH3 (Uniprot: Q15582, ProbeID: 3283−21_1)
invnorm data
−3
−2
−1
0
1
2
3
T/T (275)
T/C (499)
C/C (221)
rs3792900 (Chr5:135393754)
Locus 135 top sentinel (CIS), p=4.2e−29

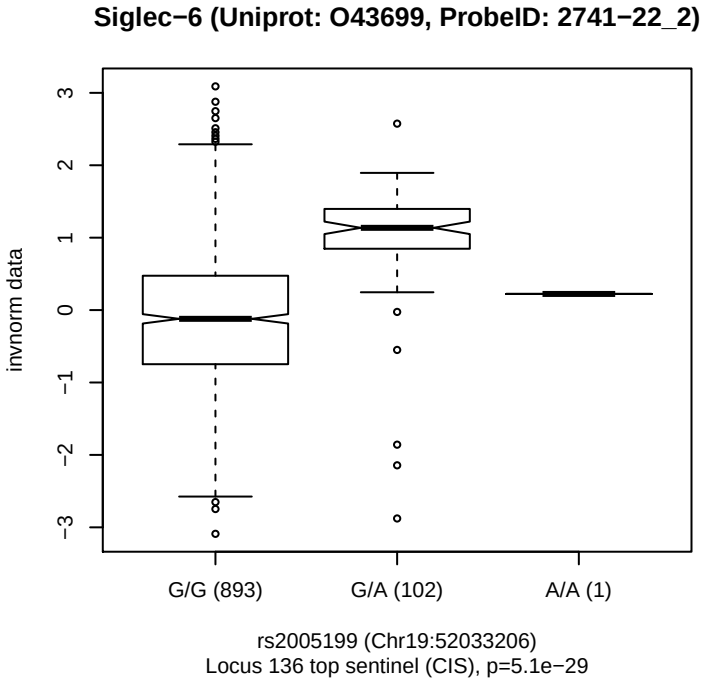

Siglec−6 (Uniprot: O43699, ProbeID: 2741−22_2)
Frequency
0
200
400
600
800
1000
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
raw data
Sialic acid−binding Ig−like lectin 6

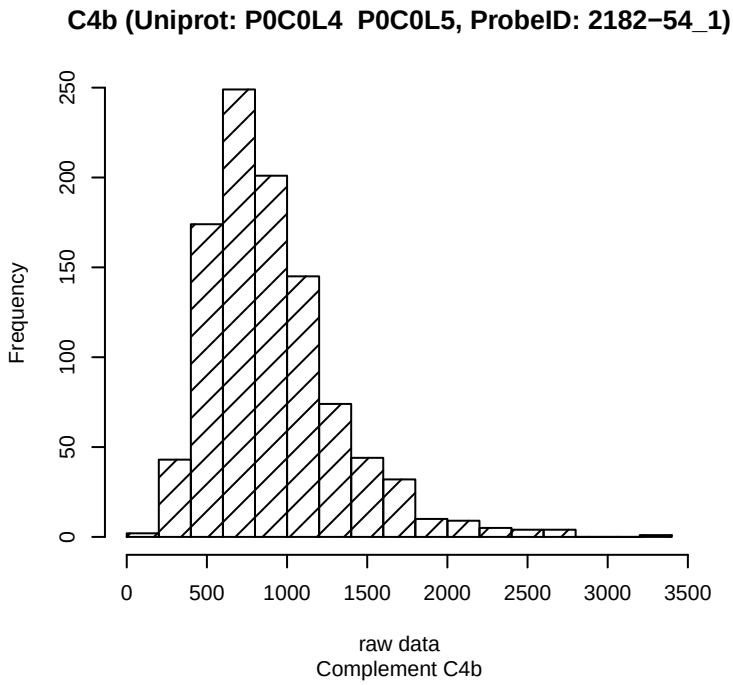

Siglec−6 (Uniprot: O43699, ProbeID: 2741−22_2)
raw data
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
G/G (893)
G/A (102)
A/A (1)
rs2005199 (Chr19:52033206)
Locus 136 top sentinel (CIS), p=0.95

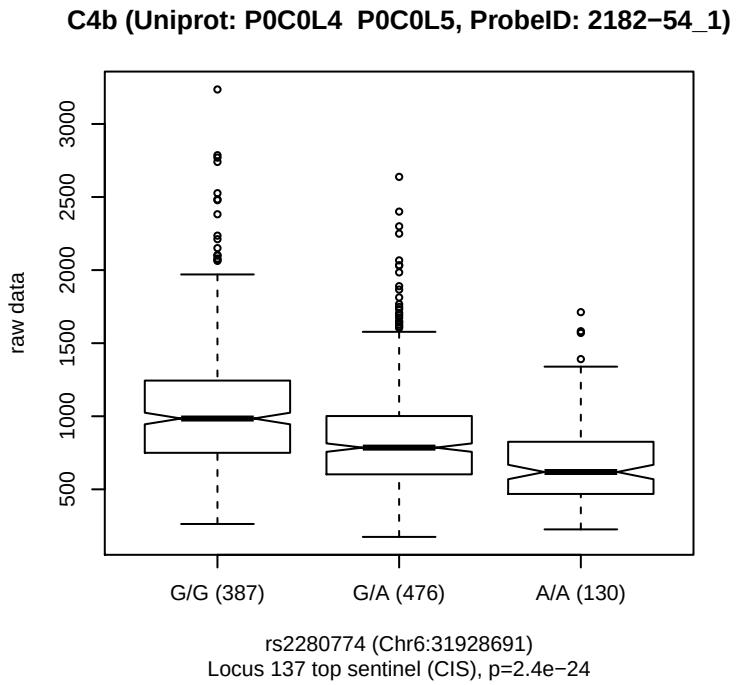

Siglec−6 (Uniprot: O43699, ProbeID: 2741−22_2)
Frequency
0
100
200
300
400
500
8
10
12
14
16
log2−scaled data
Sialic acid−binding Ig−like lectin 6

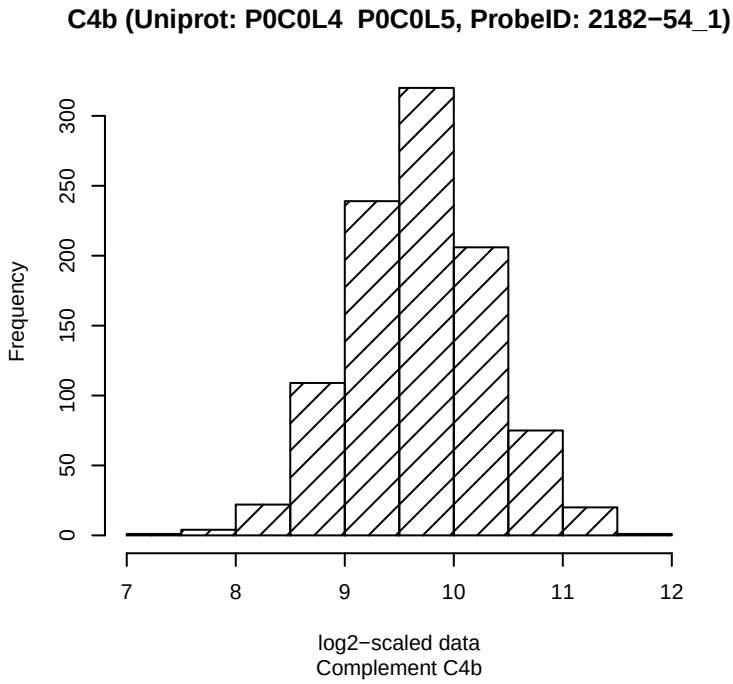

Siglec−6 (Uniprot: O43699, ProbeID: 2741−22_2)
log2−scaled data
8
10
12
14
16
G/G (893)
G/A (102)
A/A (1)
rs2005199 (Chr19:52033206)
Locus 136 top sentinel (CIS), p=5.2e−13, FC=1.3675

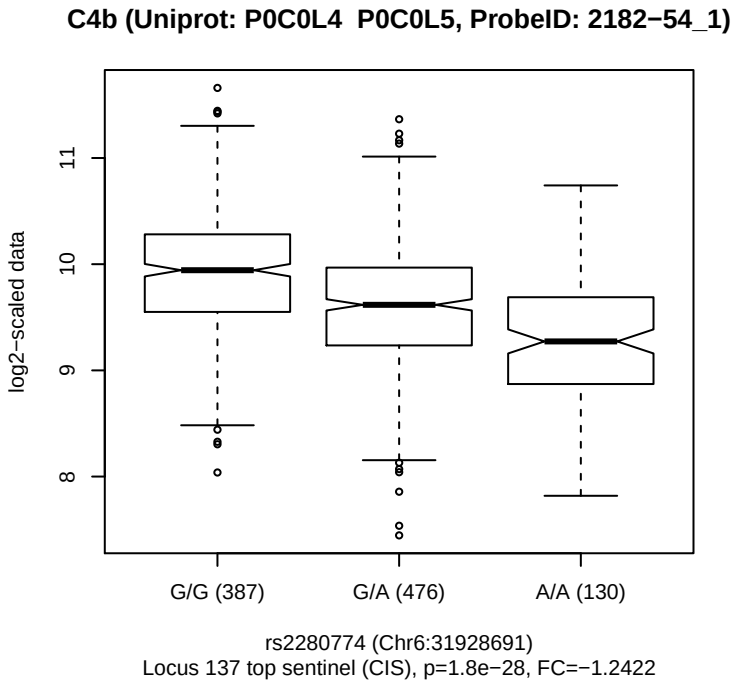

Siglec−6 (Uniprot: O43699, ProbeID: 2741−22_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Sialic acid−binding Ig−like lectin 6

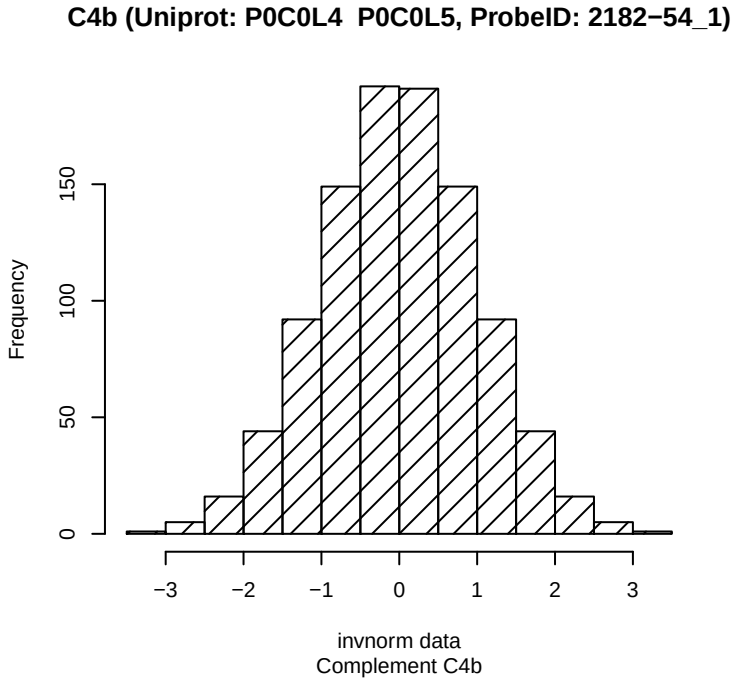

Siglec−6 (Uniprot: O43699, ProbeID: 2741−22_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (893)
G/A (102)
A/A (1)
rs2005199 (Chr19:52033206)
Locus 136 top sentinel (CIS), p=5.1e−29

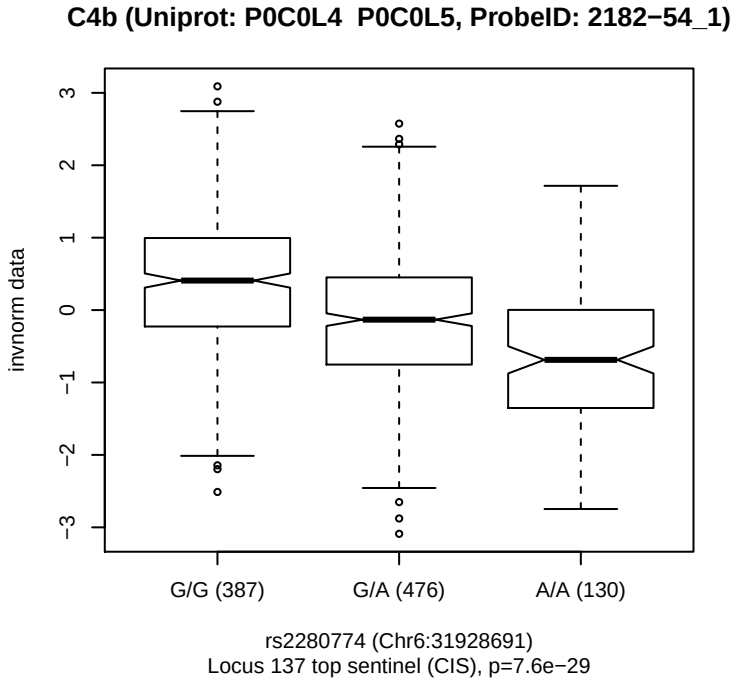

C4b (Uniprot: P0C0L4 P0C0L5, ProbeID: 2182−54_1)
Frequency
0
50
100
150
200
250
0
500
1000
1500
2000
2500
3000
3500
raw data
Complement C4b


C4b (Uniprot: P0C0L4 P0C0L5, ProbeID: 2182−54_1)
raw data
500
1000
1500
2000
2500
3000
G/G (387)
G/A (476)
A/A (130)
rs2280774 (Chr6:31928691)
Locus 137 top sentinel (CIS), p=2.4e−24

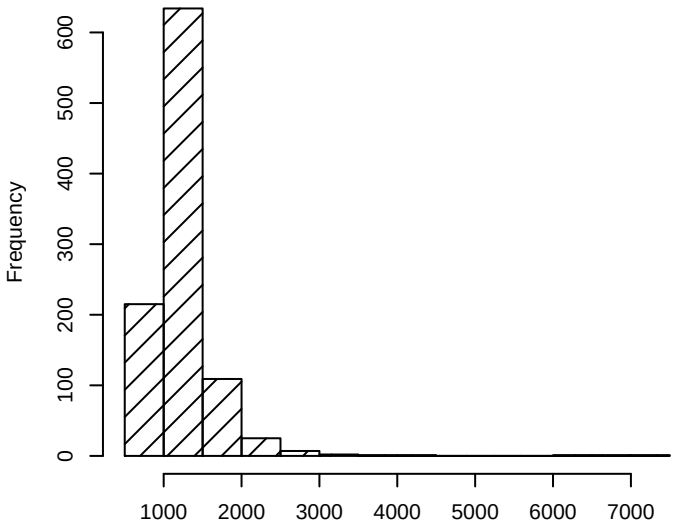

C4b (Uniprot: P0C0L4 P0C0L5, ProbeID: 2182−54_1)
Frequency
0
50
100
150
200
250
300
7
8
9
10
11
12
log2−scaled data
Complement C4b


C4b (Uniprot: P0C0L4 P0C0L5, ProbeID: 2182−54_1)
log2−scaled data
8
9
10
11
G/G (387)
G/A (476)
A/A (130)
rs2280774 (Chr6:31928691)
Locus 137 top sentinel (CIS), p=1.8e−28, FC=−1.2422

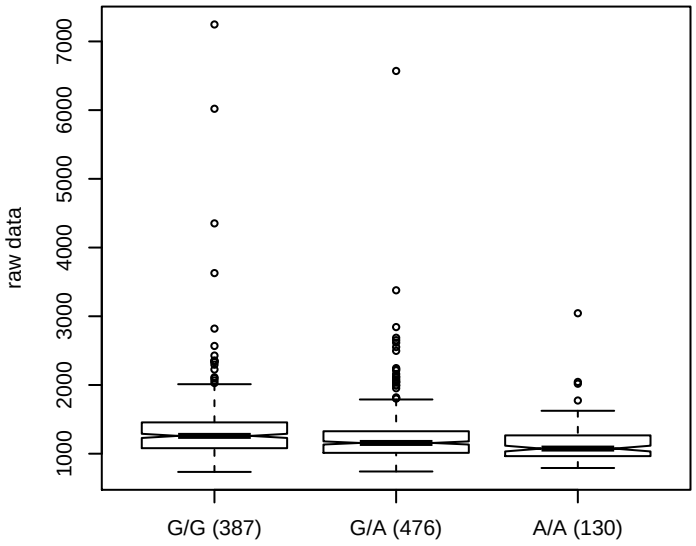

C4b (Uniprot: P0C0L4 P0C0L5, ProbeID: 2182−54_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Complement C4b


C4b (Uniprot: P0C0L4 P0C0L5, ProbeID: 2182−54_1)
invnorm data
−3
−2
−1
0
1
2
3
G/G (387)
G/A (476)
A/A (130)
rs2280774 (Chr6:31928691)
Locus 137 top sentinel (CIS), p=7.6e−29

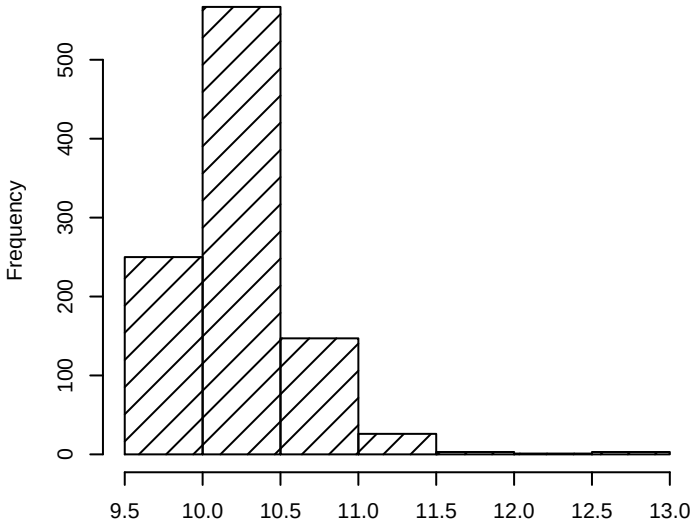
**C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5**



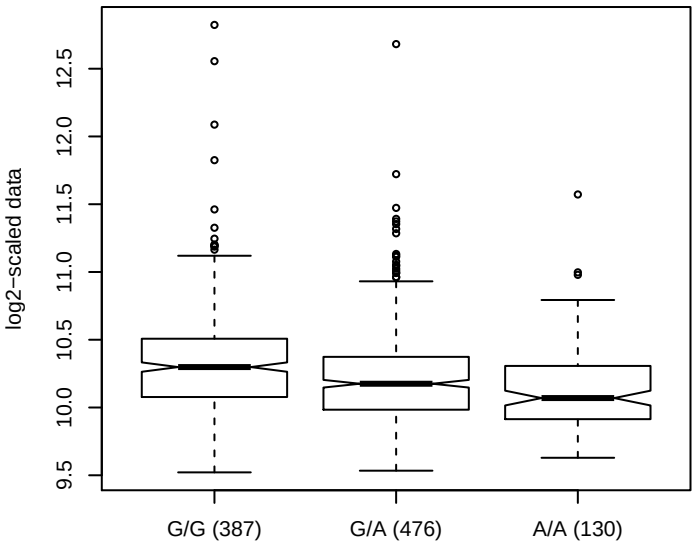

**C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5**



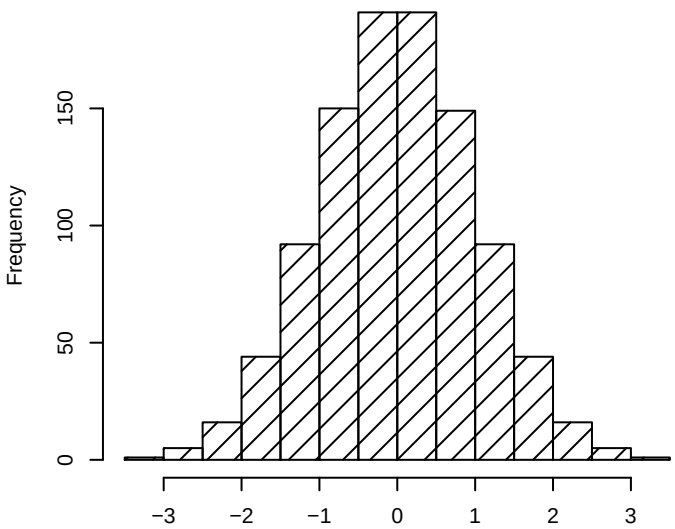

**C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5**



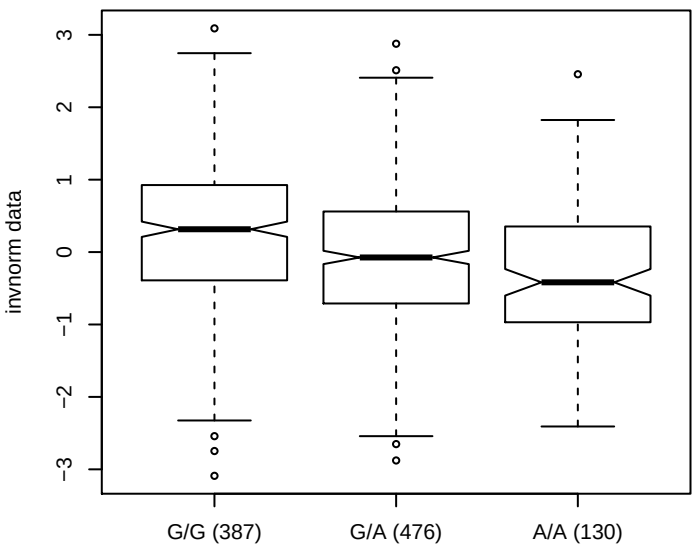

**C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5**

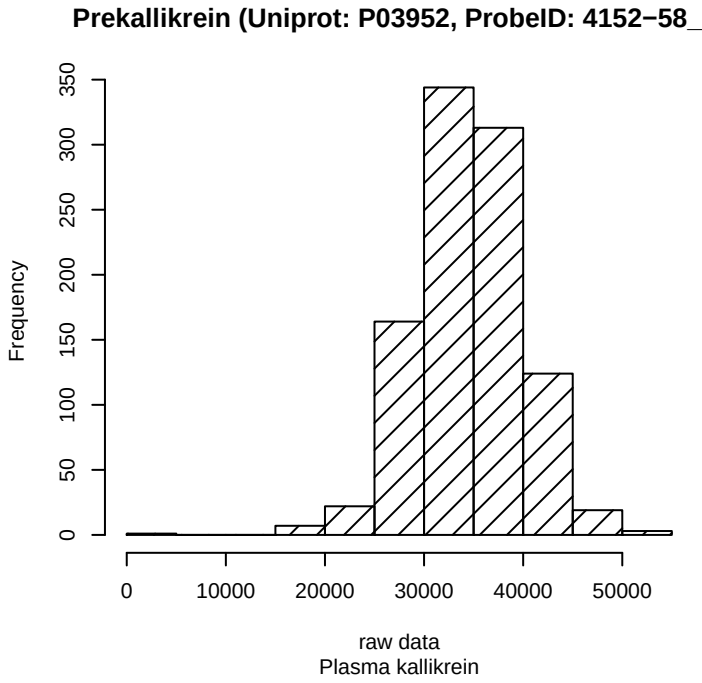


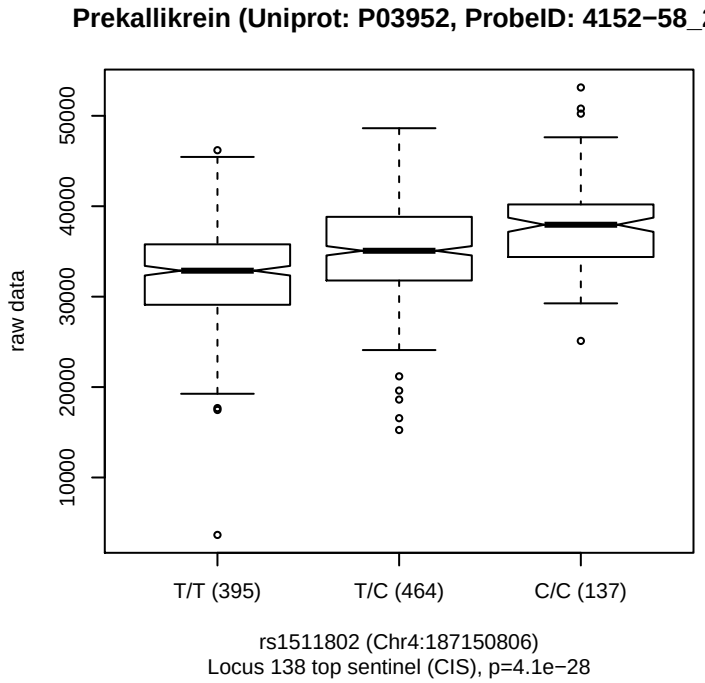

**C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5**

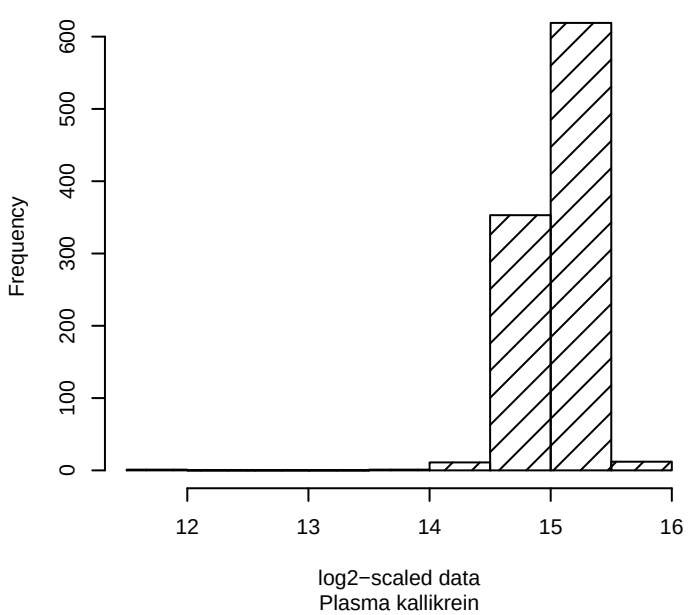


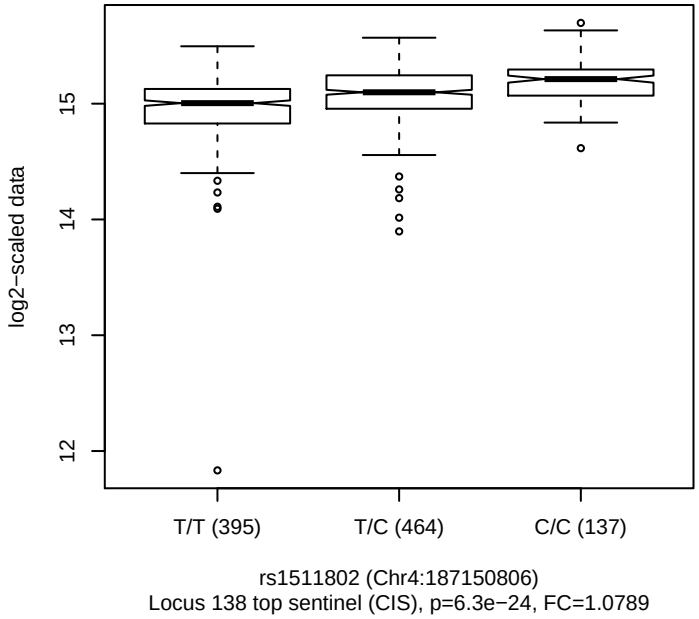

**C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5**

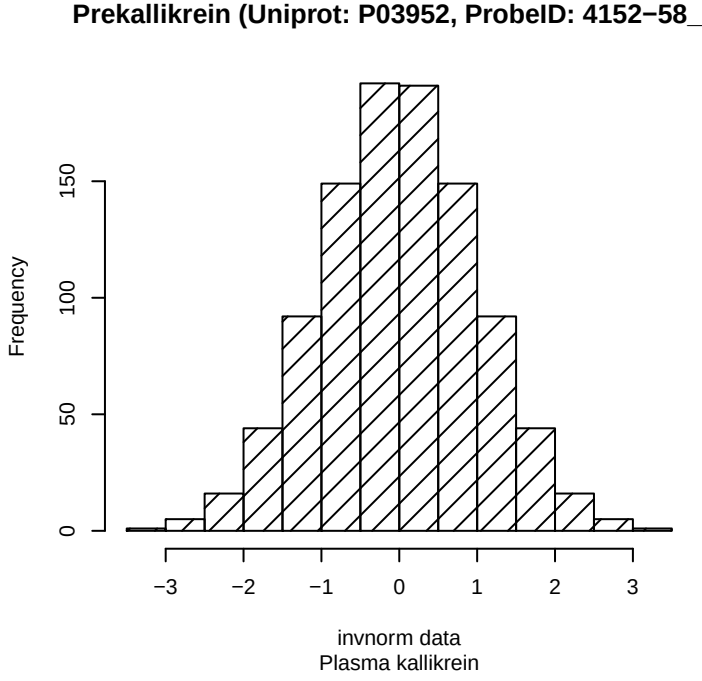


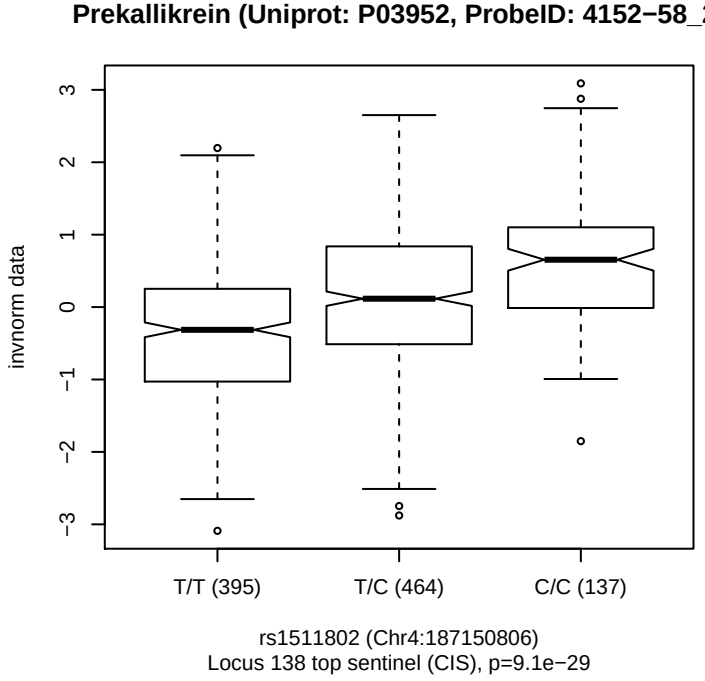

Prekallikrein (Uniprot: P03952, ProbeID: 4152−58_2)
Frequency
0
50
100
150
200
250
300
350
0
10000
20000
30000
40000
50000
raw data
Plasma kallikrein

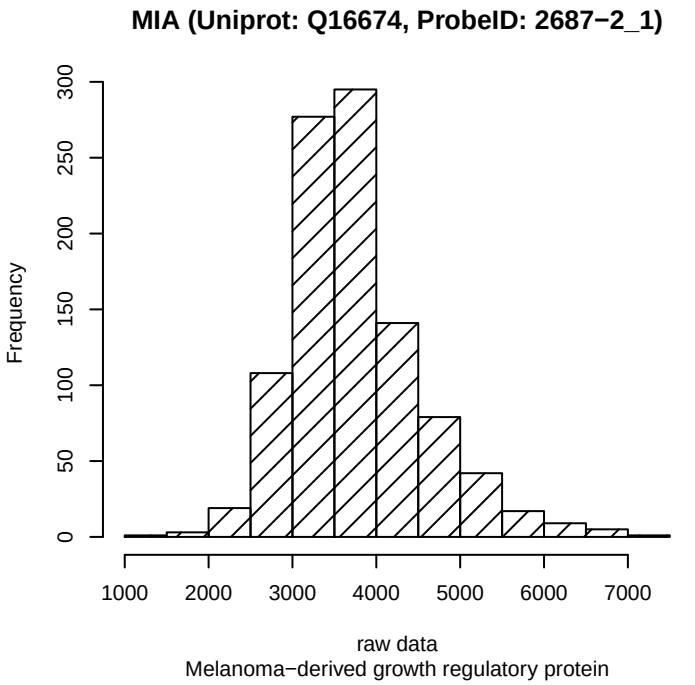

Prekallikrein (Uniprot: P03952, ProbeID: 4152−58_2)
raw data
10000
20000
30000
40000
50000
T/T (395)
T/C (464)
C/C (137)
rs1511802 (Chr4:187150806)
Locus 138 top sentinel (CIS), p=4.1e−28

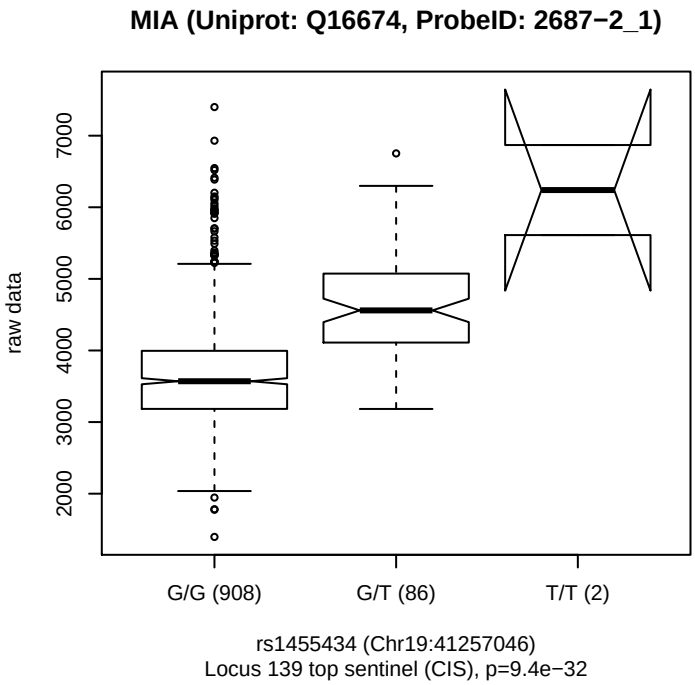

Prekallikrein (Uniprot: P03952, ProbeID: 4152−58_2)
Frequency
0
100
200
300
400
500
600
12
13
14
15
16
log2−scaled data
Plasma kallikrein

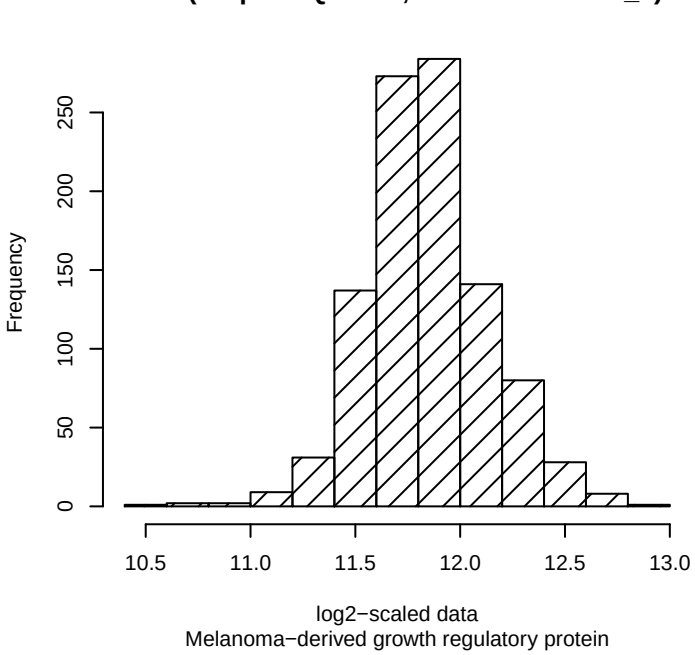

Prekallikrein (Uniprot: P03952, ProbeID: 4152−58_2)
log2−scaled data
12
13
14
15
T/T (395)
T/C (464)
C/C (137)
rs1511802 (Chr4:187150806)
Locus 138 top sentinel (CIS), p=6.3e−24, FC=1.0789

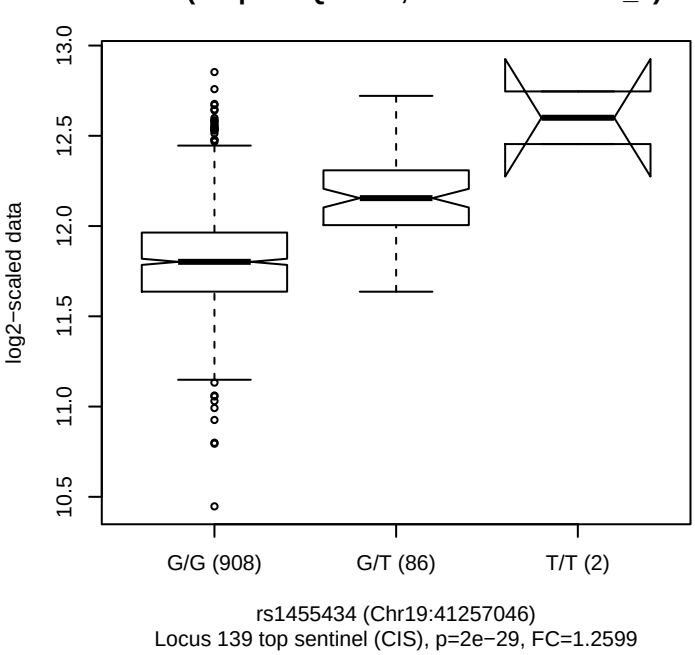

Prekallikrein (Uniprot: P03952, ProbeID: 4152−58_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Plasma kallikrein

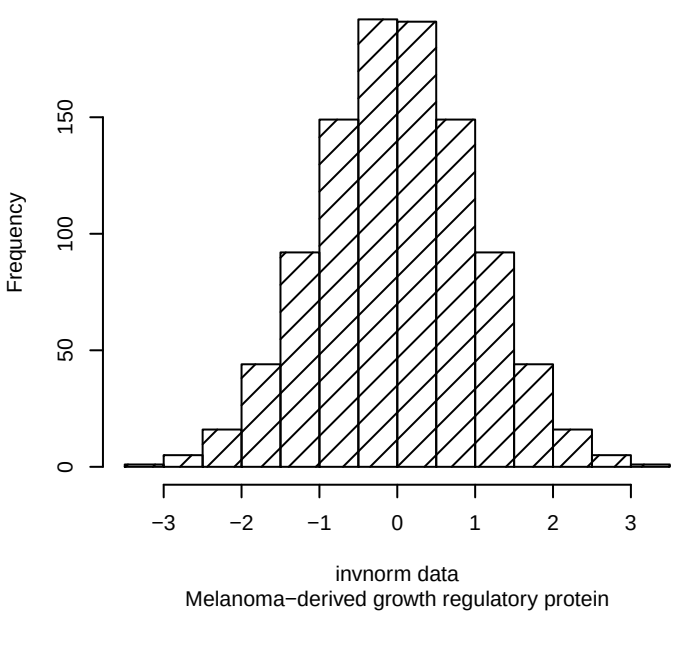

Prekallikrein (Uniprot: P03952, ProbeID: 4152−58_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (395)
T/C (464)
C/C (137)
rs1511802 (Chr4:187150806)
Locus 138 top sentinel (CIS), p=9.1e−29

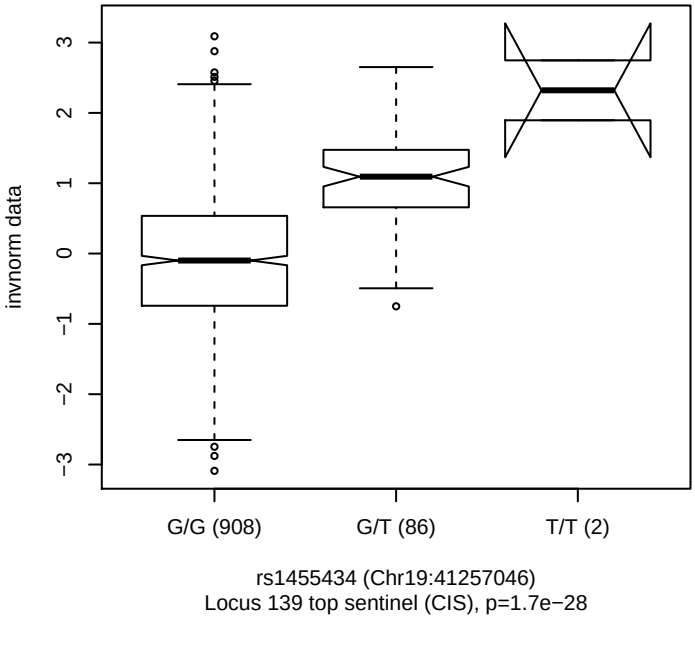

MIA (Uniprot: Q16674, ProbeID: 2687−2_1)
Frequency
0
50
100
150
200
250
300
1000
2000
3000
4000
5000
6000
7000
raw data
Melanoma−derived growth regulatory protein

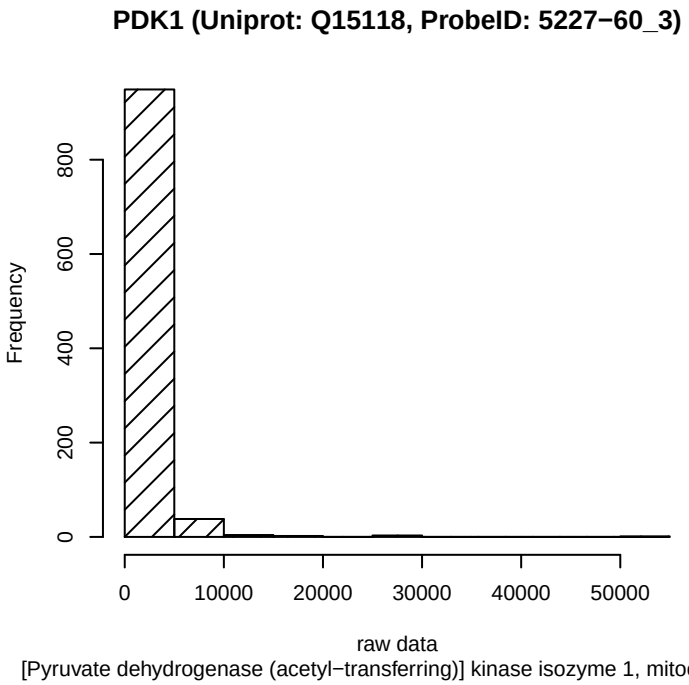

MIA (Uniprot: Q16674, ProbeID: 2687−2_1)
raw data
2000
3000
4000
5000
6000
7000
G/G (908)
G/T (86)
T/T (2)
rs1455434 (Chr19:41257046)
Locus 139 top sentinel (CIS), p=9.4e−32

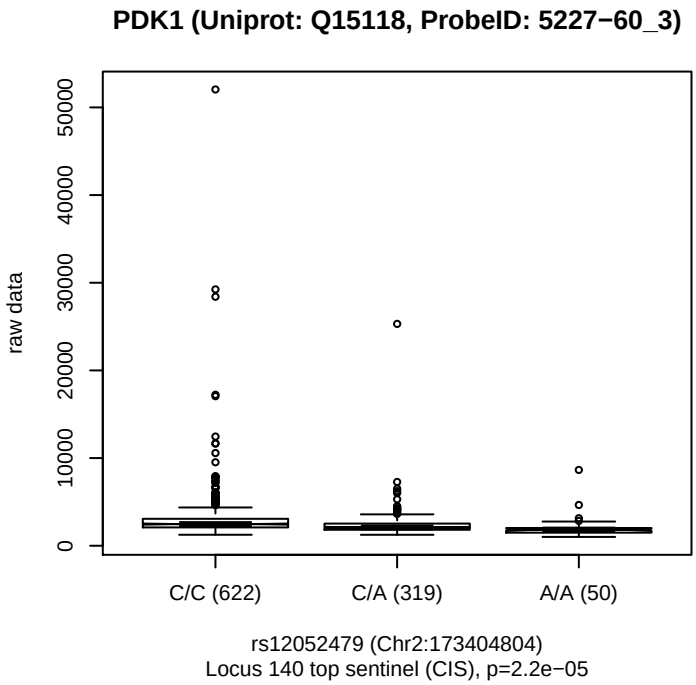

MIA (Uniprot: Q16674, ProbeID: 2687−2_1)
Frequency
0
50
100
150
200
250
10.5
11.0
11.5
12.0
12.5
13.0
log2−scaled data
Melanoma−derived growth regulatory protein

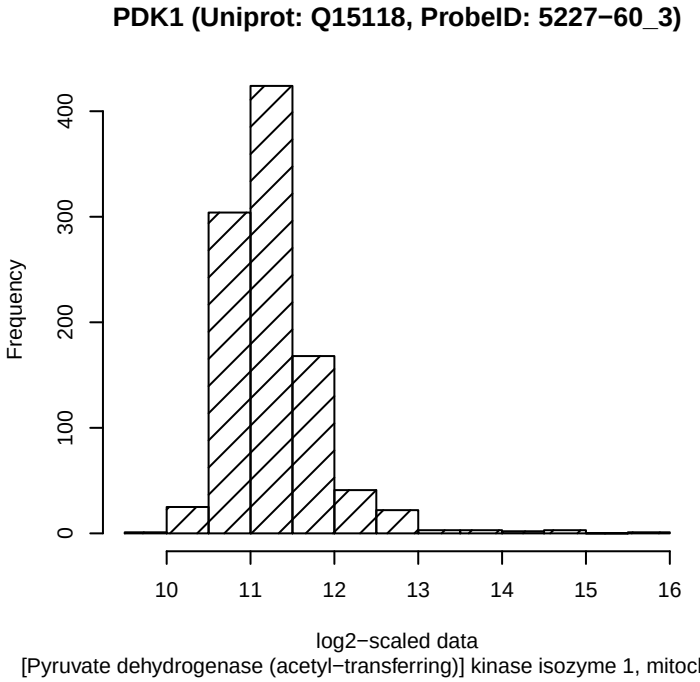

MIA (Uniprot: Q16674, ProbeID: 2687−2_1)
log2−scaled data
10.5
11.0
11.5
12.0
12.5
13.0
G/G (908)
G/T (86)
T/T (2)
rs1455434 (Chr19:41257046)
Locus 139 top sentinel (CIS), p=2e−29, FC=1.2599

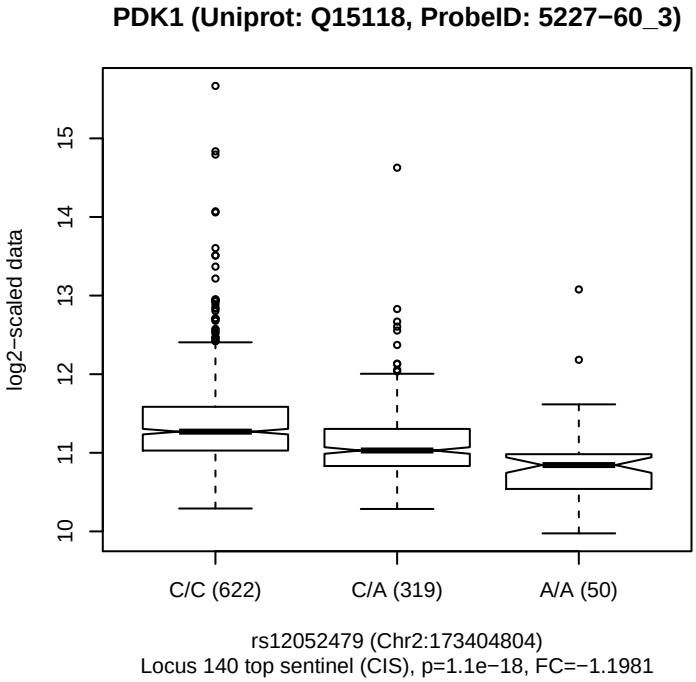

MIA (Uniprot: Q16674, ProbeID: 2687−2_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Melanoma−derived growth regulatory protein

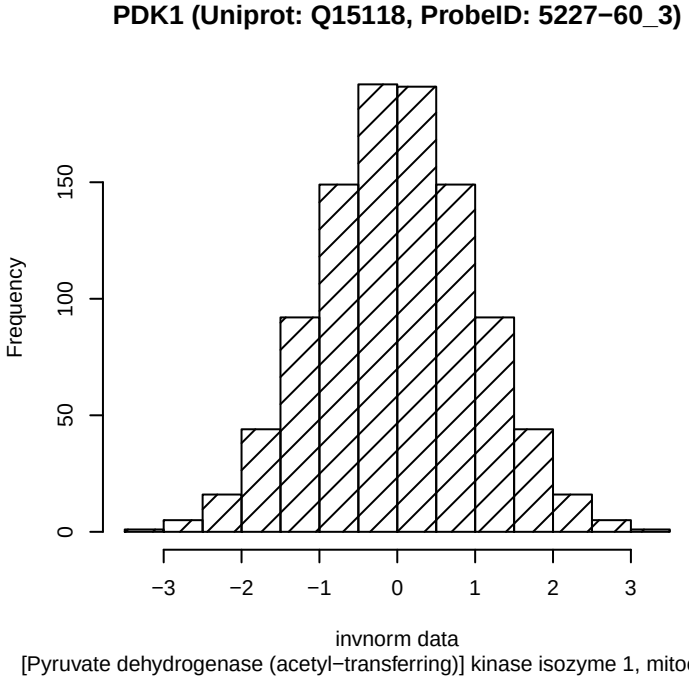

MIA (Uniprot: Q16674, ProbeID: 2687−2_1)
invnorm data
−3
−2
−1
0
1
2
3
G/G (908)
G/T (86)
T/T (2)
rs1455434 (Chr19:41257046)
Locus 139 top sentinel (CIS), p=1.7e−28

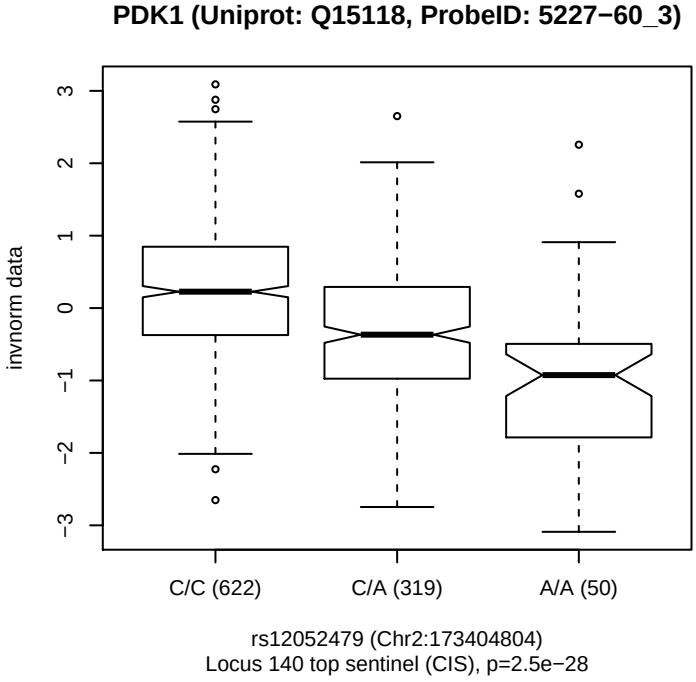

PDK1 (Uniprot: Q15118, ProbeID: 5227−60_3)
Frequency
0
200
400
600
800
0
10000
20000
30000
40000
50000
raw data
[Pyruvate dehydrogenase (acetyl−transferring)] kinase isozyme 1, mitochond


PDK1 (Uniprot: Q15118, ProbeID: 5227−60_3)
raw data
0
10000
20000
30000
40000
50000
C/C (622)
C/A (319)
A/A (50)
rs12052479 (Chr2:173404804)
Locus 140 top sentinel (CIS), p=2.2e−05

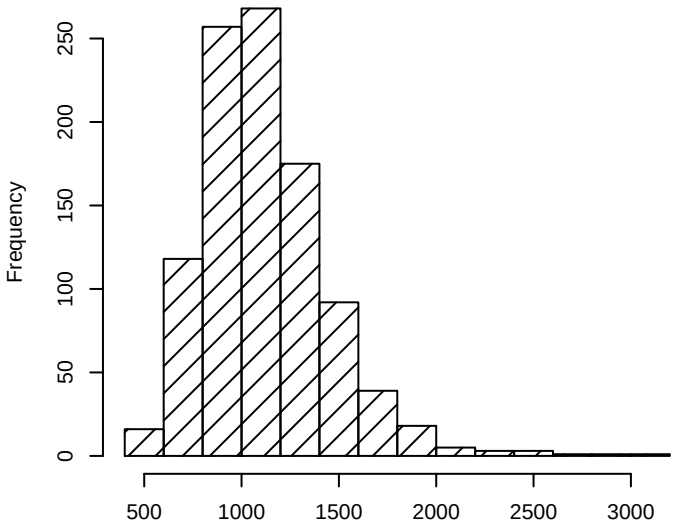

PDK1 (Uniprot: Q15118, ProbeID: 5227−60_3)
Frequency
0
100
200
300
400
10
11
12
13
14
15
16
log2−scaled data
[Pyruvate dehydrogenase (acetyl−transferring)] kinase isozyme 1, mitochond


PDK1 (Uniprot: Q15118, ProbeID: 5227−60_3)
log2−scaled data
10
11
12
13
14
15
C/C (622)
C/A (319)
A/A (50)
rs12052479 (Chr2:173404804)
Locus 140 top sentinel (CIS), p=1.1e−18, FC=−1.1981


PDK1 (Uniprot: Q15118, ProbeID: 5227−60_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
[Pyruvate dehydrogenase (acetyl−transferring)] kinase isozyme 1, mitochond

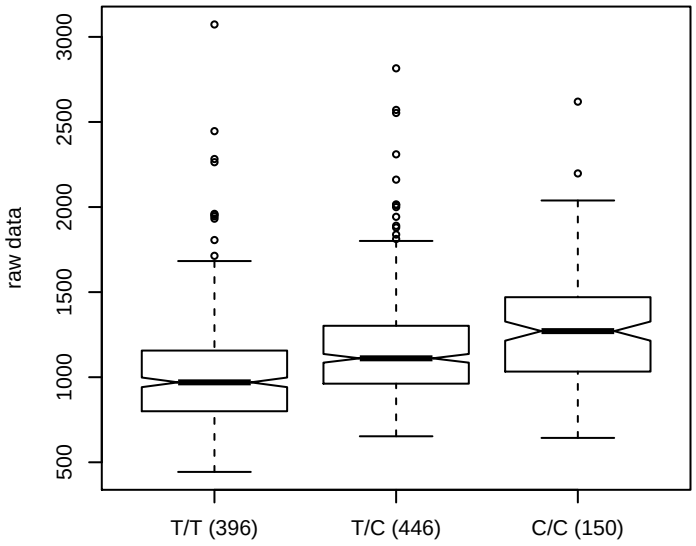

PDK1 (Uniprot: Q15118, ProbeID: 5227−60_3)
invnorm data
−3
−2
−1
0
1
2
3
C/C (622)
C/A (319)
A/A (50)
rs12052479 (Chr2:173404804)
Locus 140 top sentinel (CIS), p=2.5e−28

**FCG3B (Uniprot: O75015, ProbeID: 3311−27_1)**



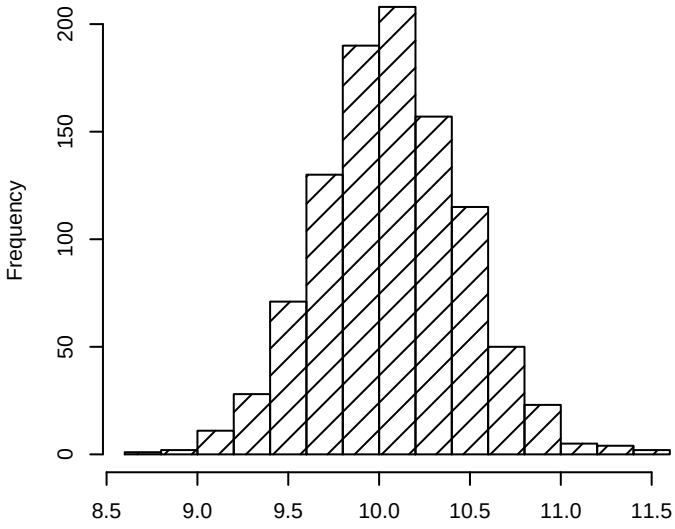

Low affinity immunoglobulin gamma Fc region receptor III−B

**FCG3B (Uniprot: O75015, ProbeID: 3311−27_1)**



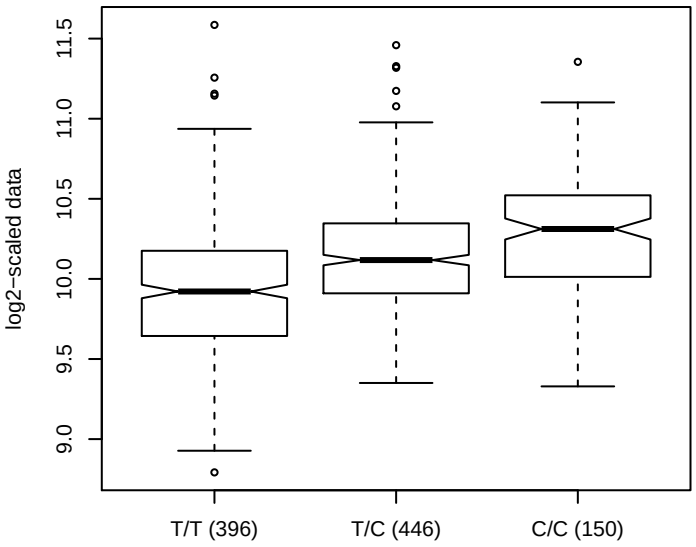

rs10919544 (Chr1:161508763)
Locus 141 top sentinel (CIS), p=7.7e−23

**FCG3B (Uniprot: O75015, ProbeID: 3311−27_1)**



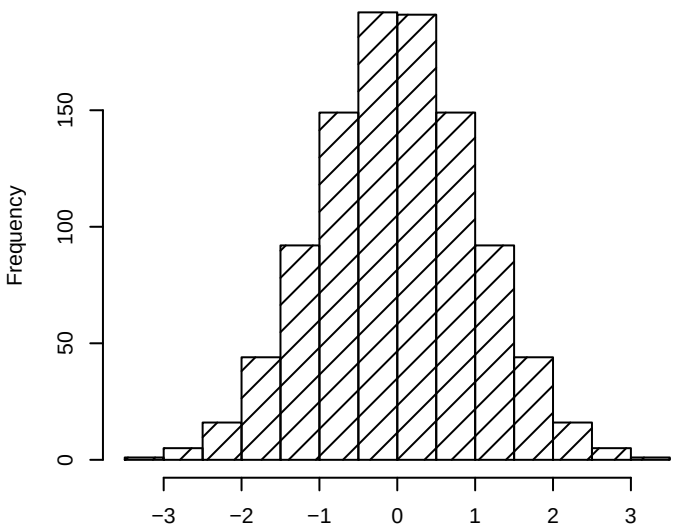

Low affinity immunoglobulin gamma Fc region receptor III−B

**FCG3B (Uniprot: O75015, ProbeID: 3311−27_1)**



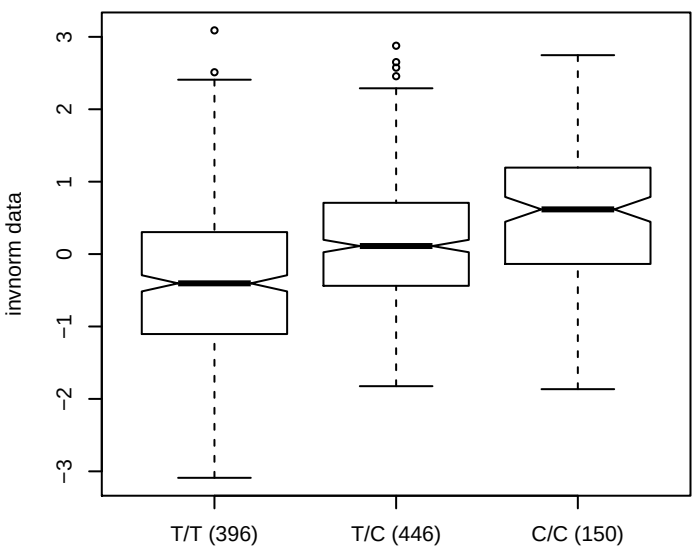

rs10919544 (Chr1:161508763)
Locus 141 top sentinel (CIS), p=2.2e−27, FC=1.1383

**FCG3B (Uniprot: O75015, ProbeID: 3311−27_1)**



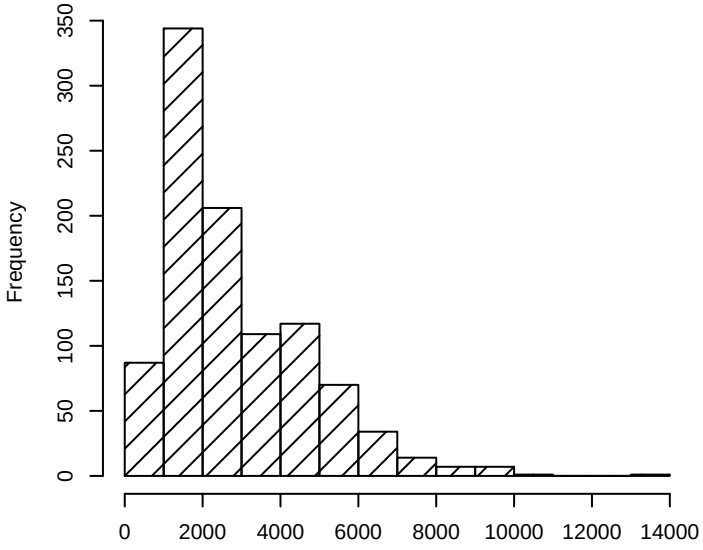

Low affinity immunoglobulin gamma Fc region receptor III−B

**FCG3B (Uniprot: O75015, ProbeID: 3311−27_1)**



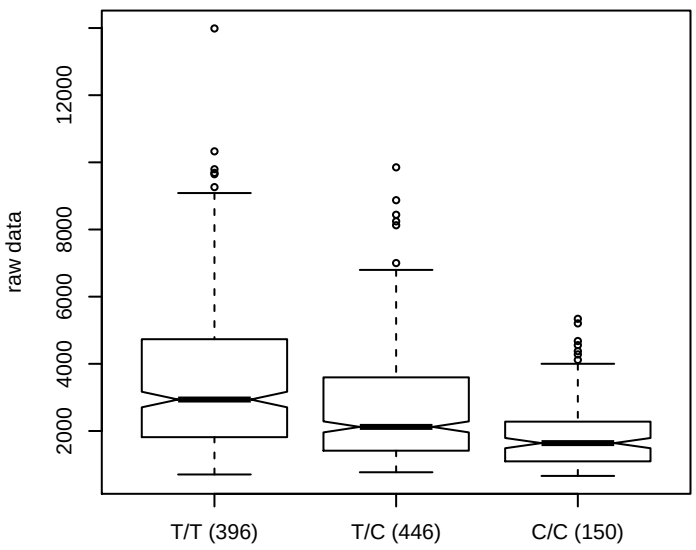

rs10919544 (Chr1:161508763)
Locus 141 top sentinel (CIS), p=3.5e−28

**FCG2A/B (Uniprot: P12318 P31994, ProbeID: 3310−62_1**



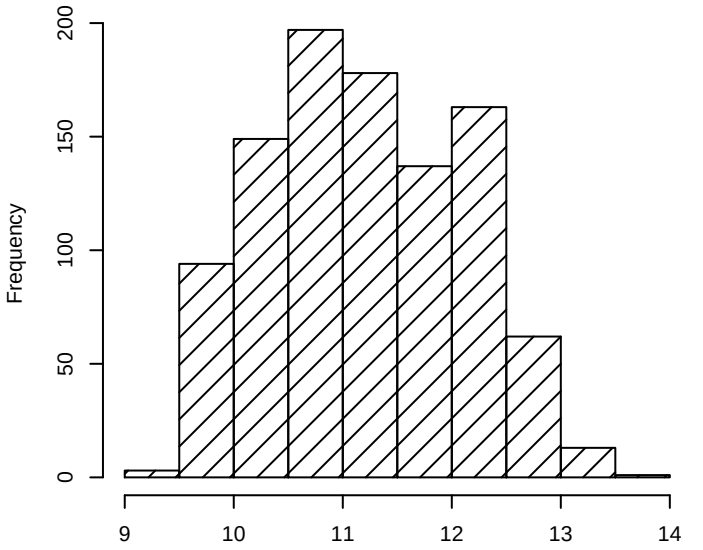

raw data
Low affinity immunoglobulin gamma Fc region receptor II−a/b

**FCG2A/B (Uniprot: P12318 P31994, ProbeID: 3310−62_1**



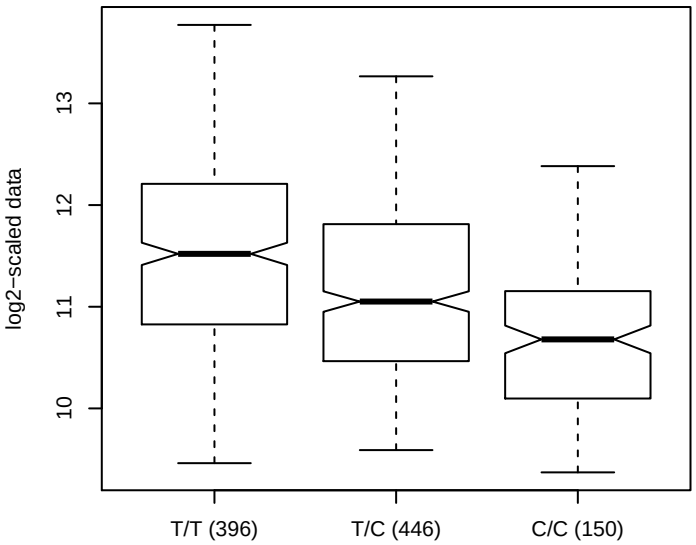

rs10919544 (Chr1:161508763)
Locus 141 sentinel (CIS), p=1.6e−21

**FCG2A/B (Uniprot: P12318 P31994, ProbeID: 3310−62_1**



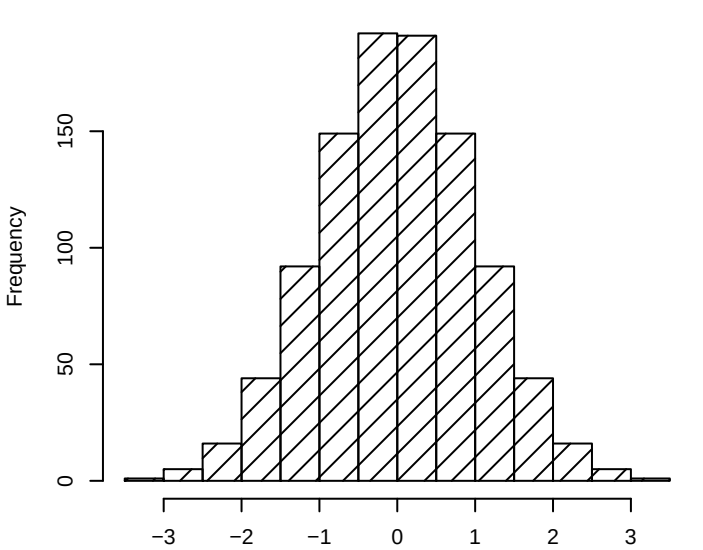

log2−scaled data
Low affinity immunoglobulin gamma Fc region receptor II−a/b

**FCG2A/B (Uniprot: P12318 P31994, ProbeID: 3310−62_1**



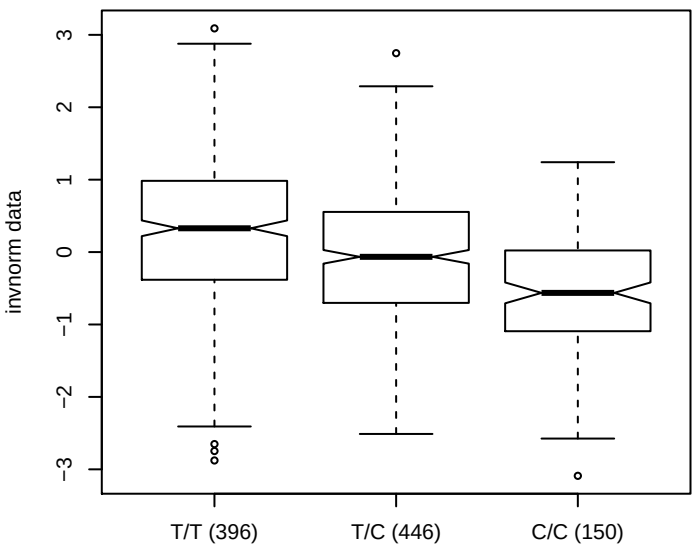

rs10919544 (Chr1:161508763)
Locus 141 sentinel (CIS), p=1.2e−21, FC=−1.2989

**FCG2A/B (Uniprot: P12318 P31994, ProbeID: 3310−62_1**

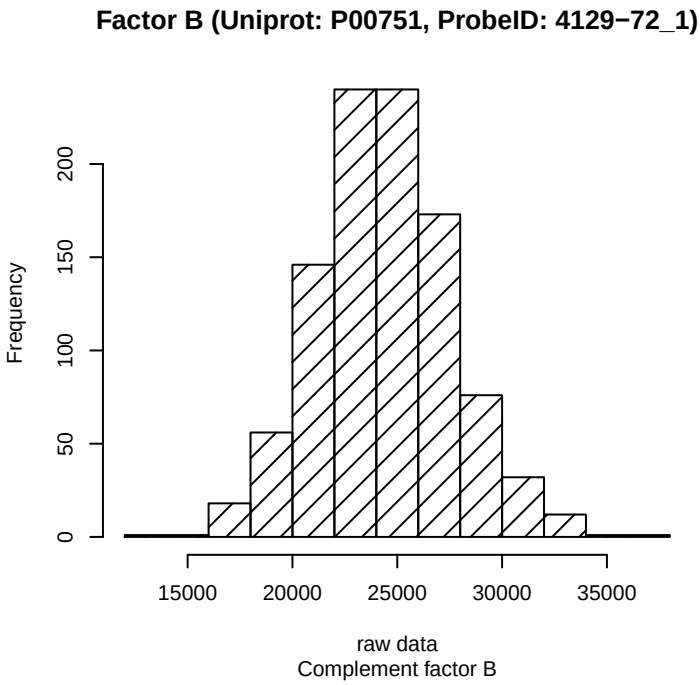


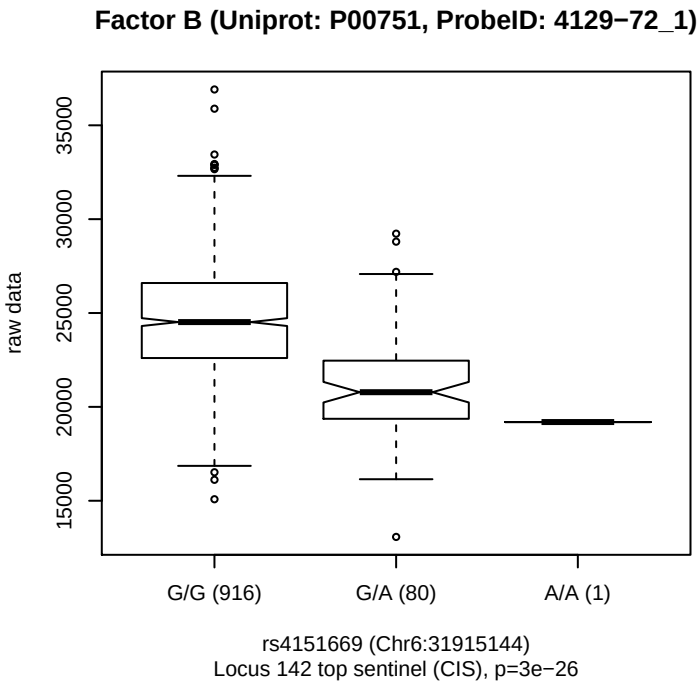

invnorm data
Low affinity immunoglobulin gamma Fc region receptor II−a/b

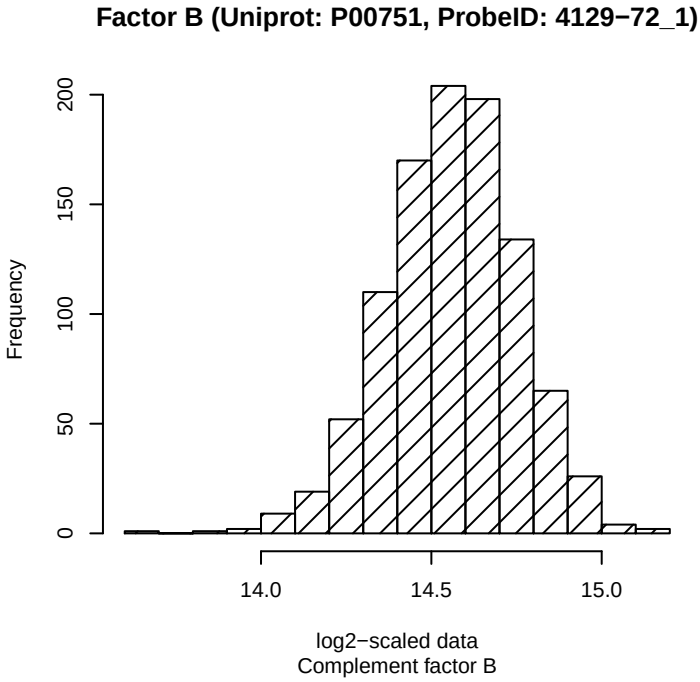
**FCG2A/B (Uniprot: P12318 P31994, ProbeID: 3310−62_1**

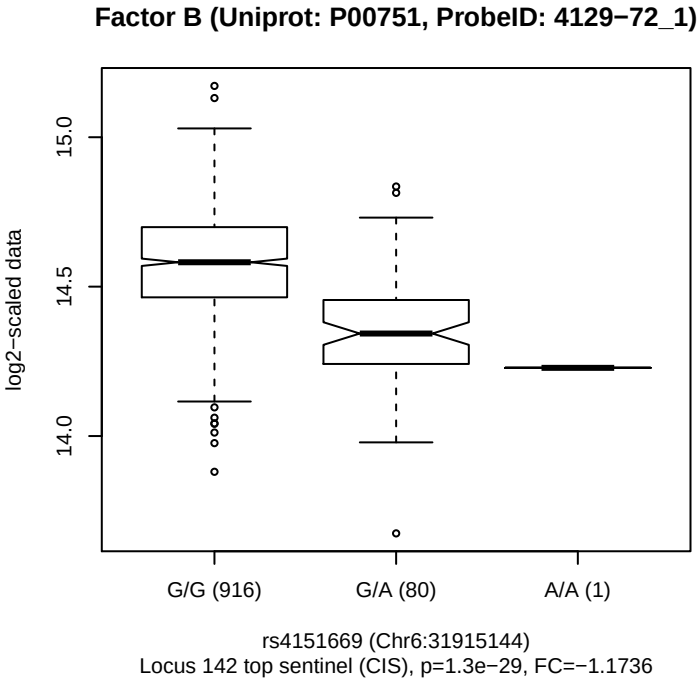


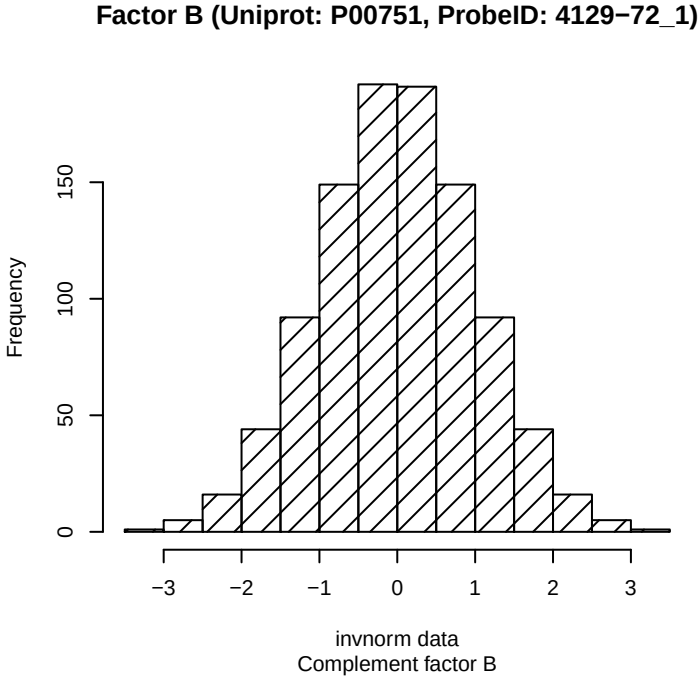

rs10919544 (Chr1:161508763)
Locus 141 sentinel (CIS), p=6.4e−21

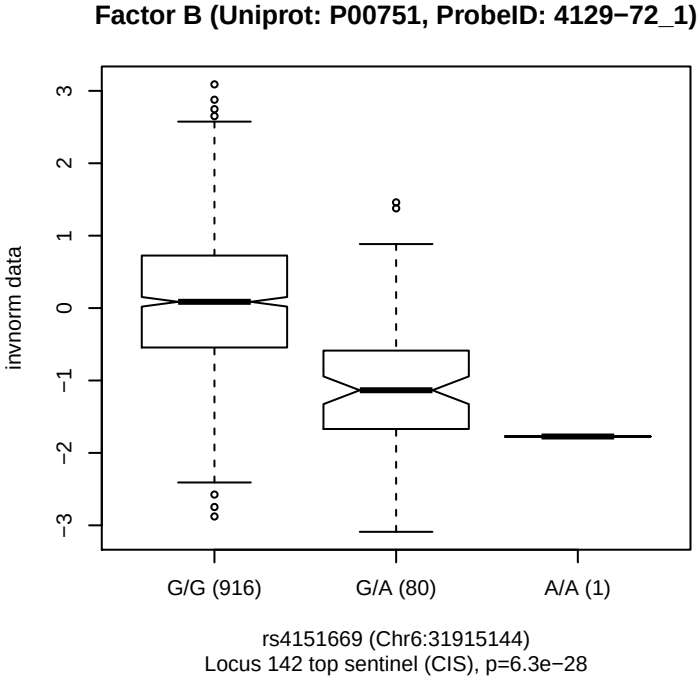

Factor B (Uniprot: P00751, ProbeID: 4129−72_1)
Frequency
0
50
100
150
200
15000
20000
25000
30000
35000
raw data
Complement factor B

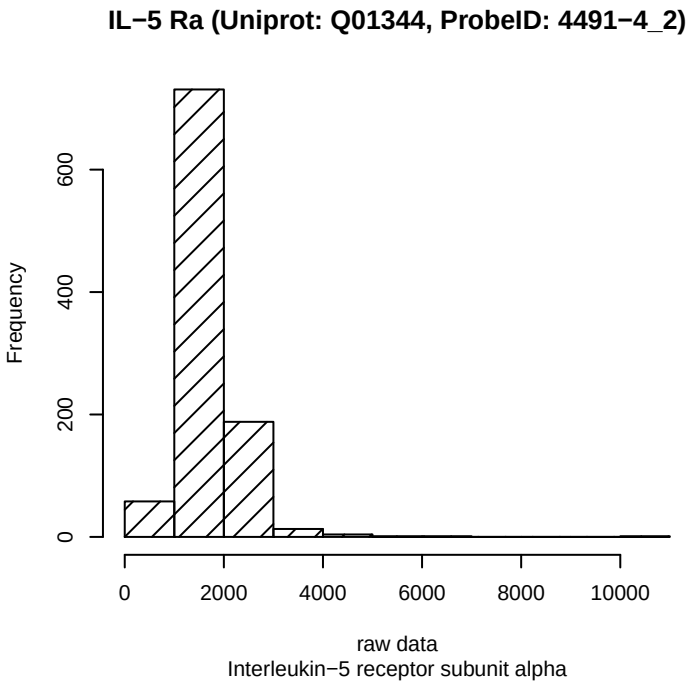

Factor B (Uniprot: P00751, ProbeID: 4129−72_1)
raw data
15000
20000
25000
30000
35000
G/G (916)
G/A (80)
A/A (1)
rs4151669 (Chr6:31915144)
Locus 142 top sentinel (CIS), p=3e−26

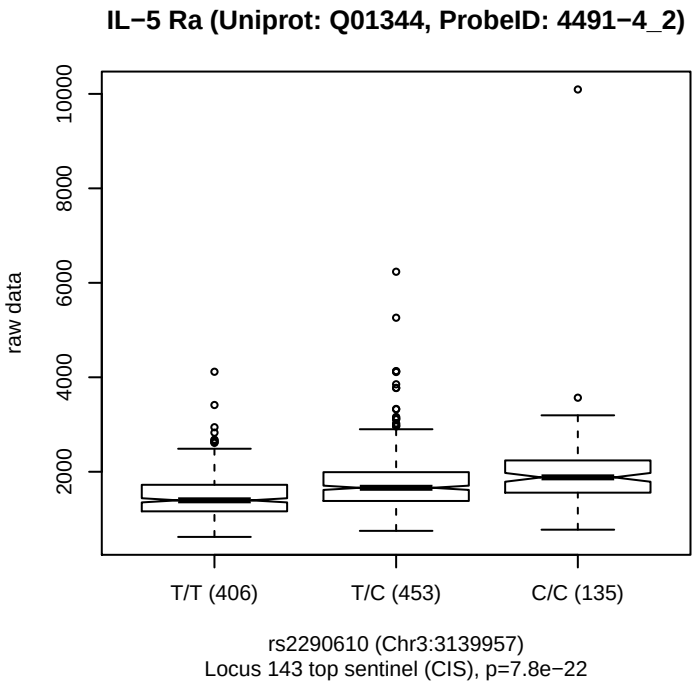

Factor B (Uniprot: P00751, ProbeID: 4129−72_1)
Frequency
0
50
100
150
200
14.0
14.5
15.0
log2−scaled data
Complement factor B

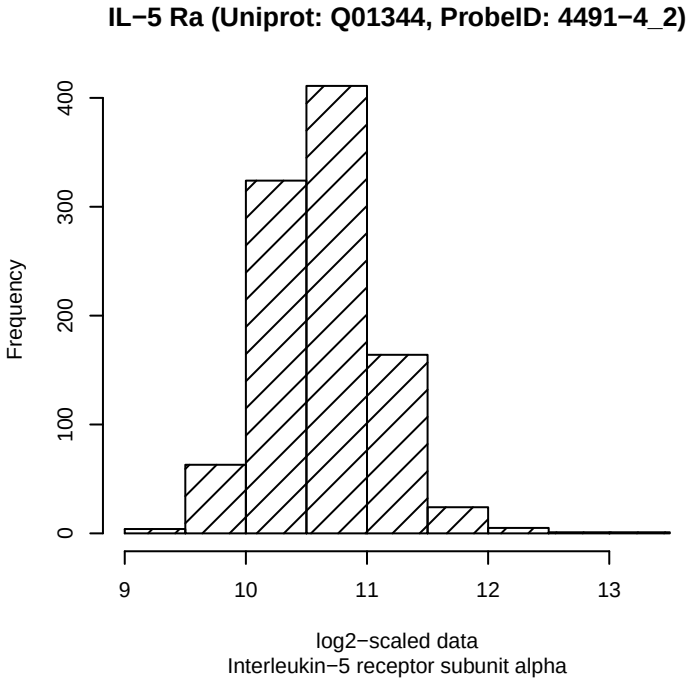

Factor B (Uniprot: P00751, ProbeID: 4129−72_1)
log2−scaled data
14.0
14.5
15.0
G/G (916)
G/A (80)
A/A (1)
rs4151669 (Chr6:31915144)
Locus 142 top sentinel (CIS), p=1.3e−29, FC=−1.1736

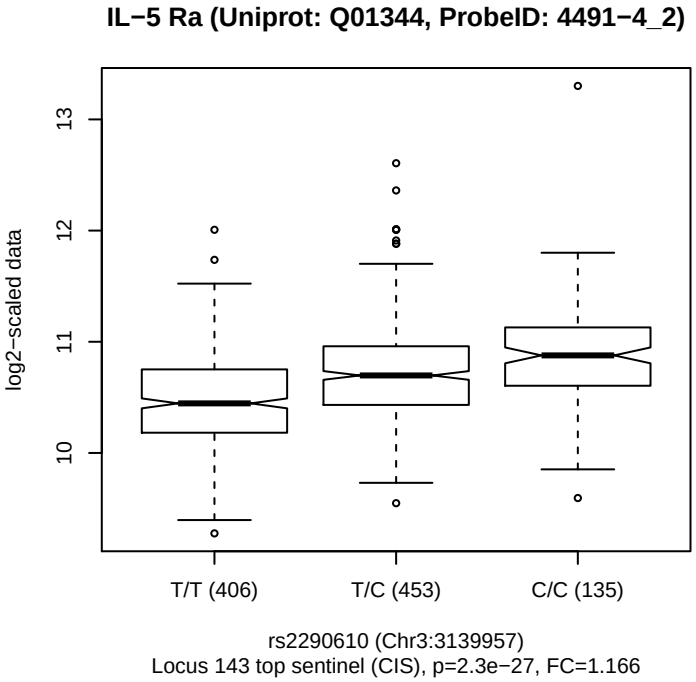

Factor B (Uniprot: P00751, ProbeID: 4129−72_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Complement factor B

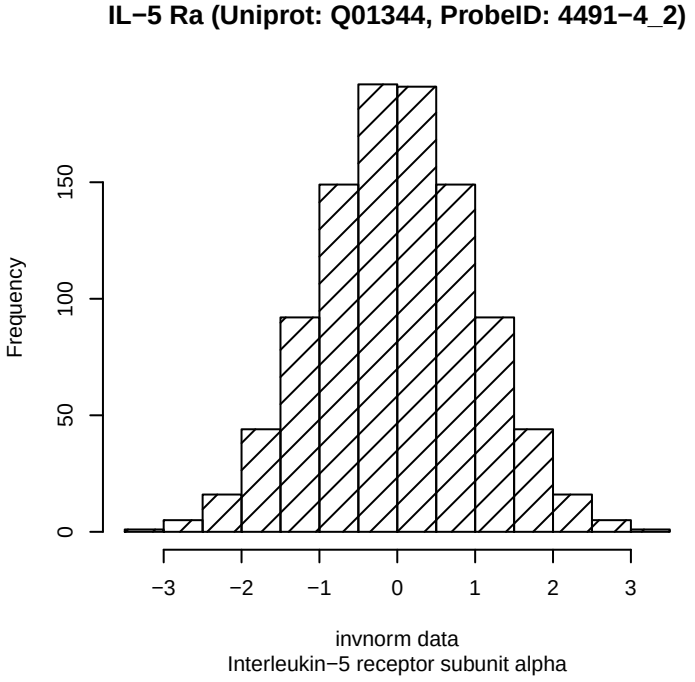

Factor B (Uniprot: P00751, ProbeID: 4129−72_1)
invnorm data
−3
−2
−1
0
1
2
3
G/G (916)
G/A (80)
A/A (1)
rs4151669 (Chr6:31915144)
Locus 142 top sentinel (CIS), p=6.3e−28

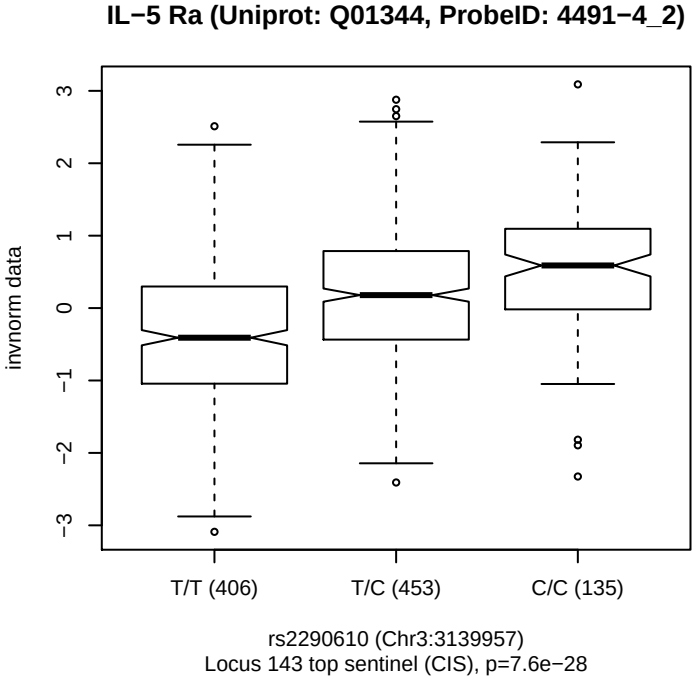

IL−5 Ra (Uniprot: Q01344, ProbeID: 4491−4_2)
Frequency
0
200
400
600
0
2000
4000
6000
8000
10000
raw data
Interleukin−5 receptor subunit alpha

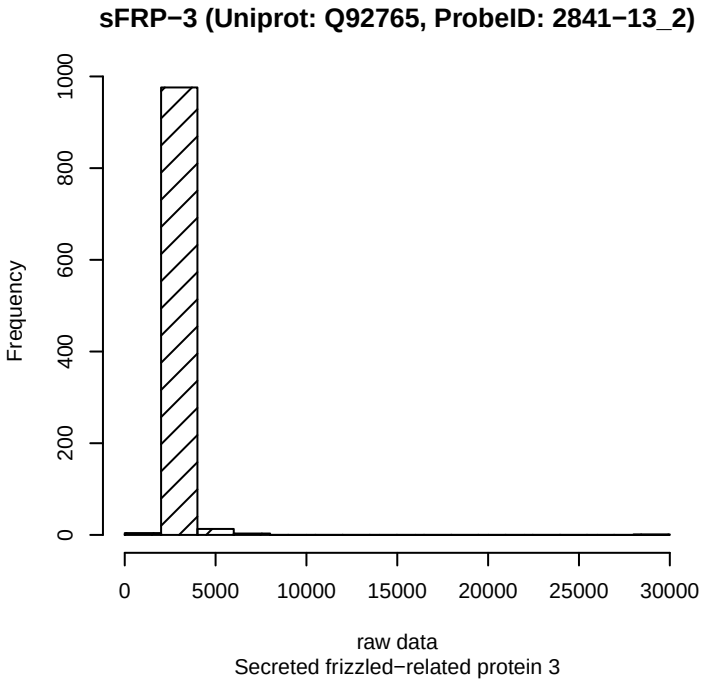

IL−5 Ra (Uniprot: Q01344, ProbeID: 4491−4_2)
raw data
2000
4000
6000
8000
10000
T/T (406)
T/C (453)
C/C (135)
rs2290610 (Chr3:3139957)
Locus 143 top sentinel (CIS), p=7.8e−22

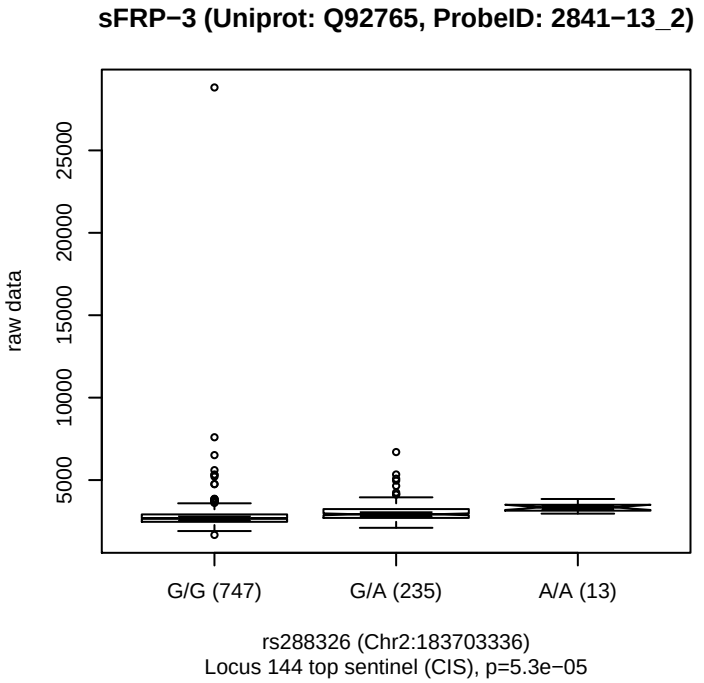

IL−5 Ra (Uniprot: Q01344, ProbeID: 4491−4_2)
Frequency
0
100
200
300
400
9
10
11
12
13
log2−scaled data
Interleukin−5 receptor subunit alpha

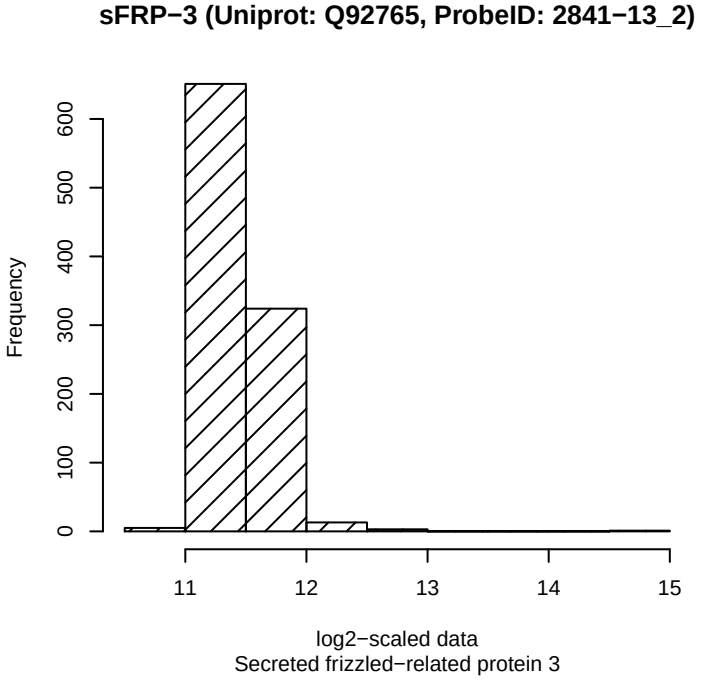

IL−5 Ra (Uniprot: Q01344, ProbeID: 4491−4_2)
log2−scaled data
10
11
12
13
T/T (406)
T/C (453)
C/C (135)
rs2290610 (Chr3:3139957)
Locus 143 top sentinel (CIS), p=2.3e−27, FC=1.166

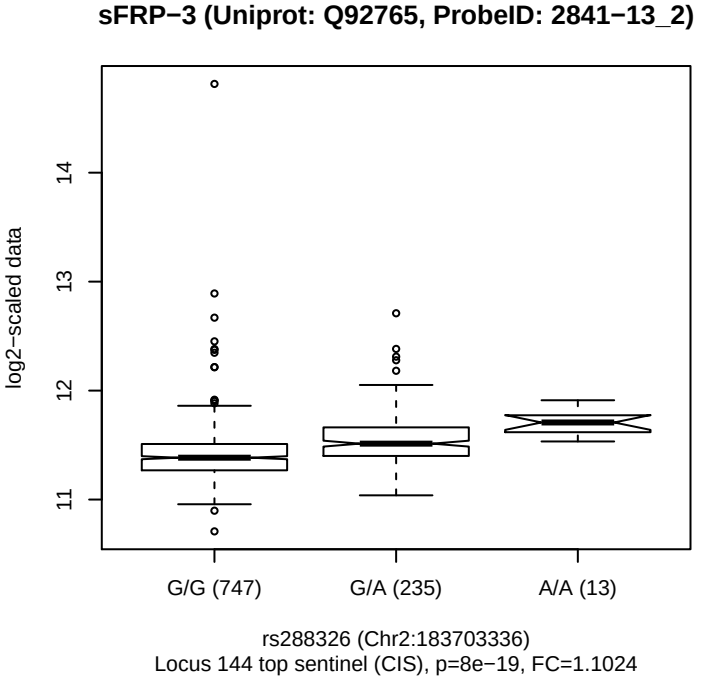

IL−5 Ra (Uniprot: Q01344, ProbeID: 4491−4_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−5 receptor subunit alpha

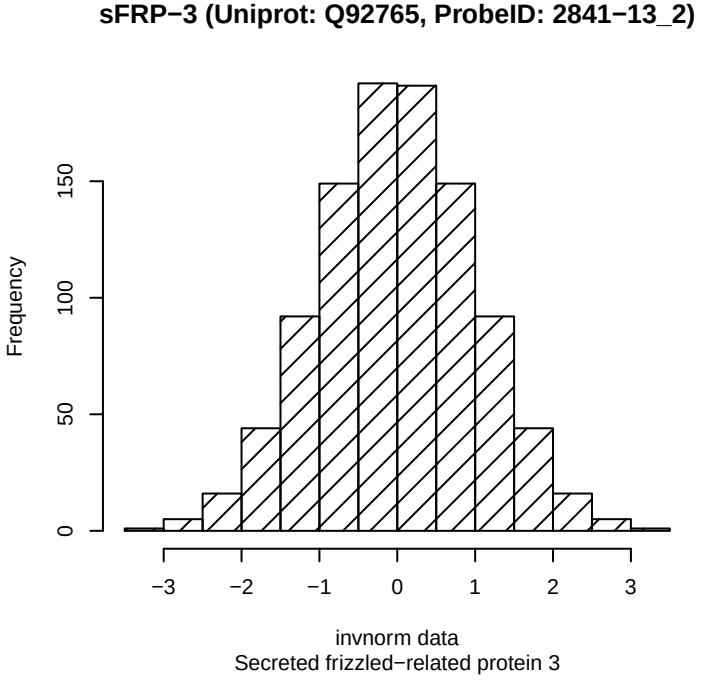

IL−5 Ra (Uniprot: Q01344, ProbeID: 4491−4_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (406)
T/C (453)
C/C (135)
rs2290610 (Chr3:3139957)
Locus 143 top sentinel (CIS), p=7.6e−28

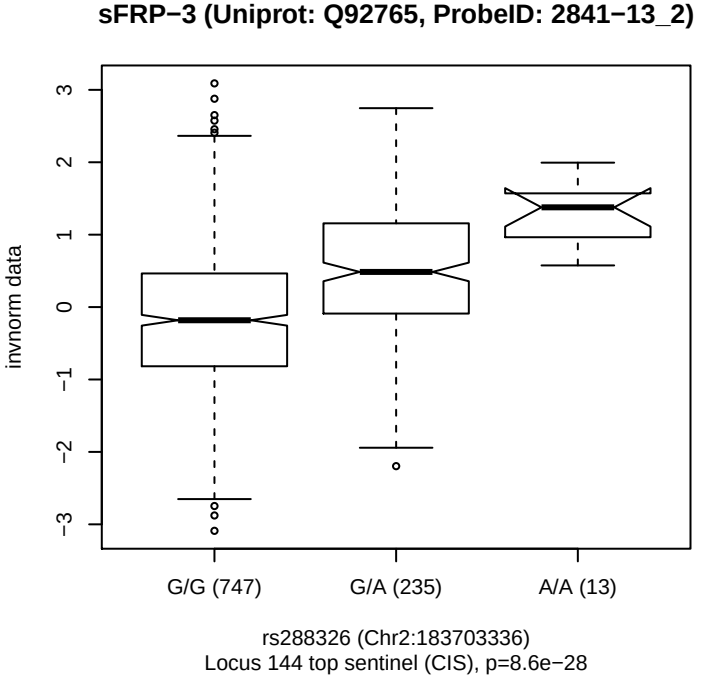

sFRP−3 (Uniprot: Q92765, ProbeID: 2841−13_2)
Frequency
0
200
400
600
800
1000
0
5000
10000
15000
20000
25000
30000
raw data
Secreted frizzled−related protein 3

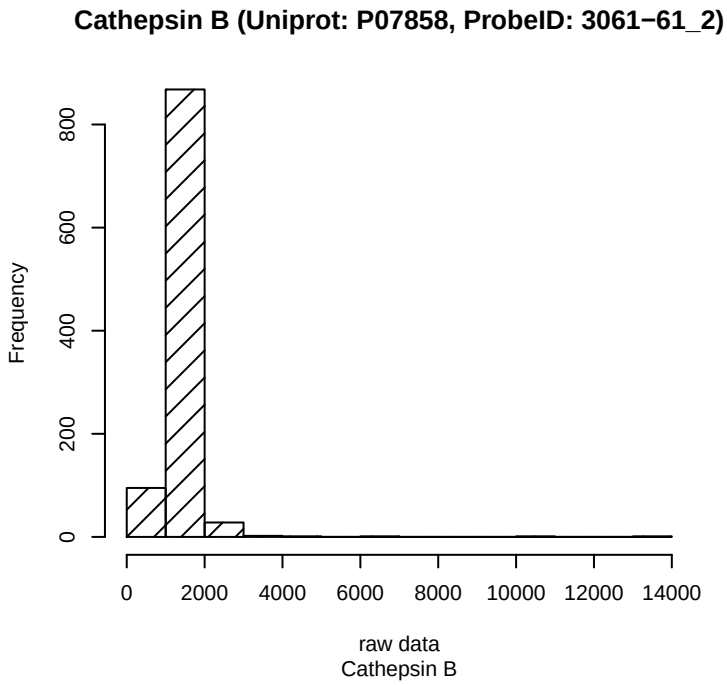

sFRP−3 (Uniprot: Q92765, ProbeID: 2841−13_2)
raw data
5000
10000
15000
20000
25000
G/G (747)
G/A (235)
A/A (13)
rs288326 (Chr2:183703336)
Locus 144 top sentinel (CIS), p=5.3e−05

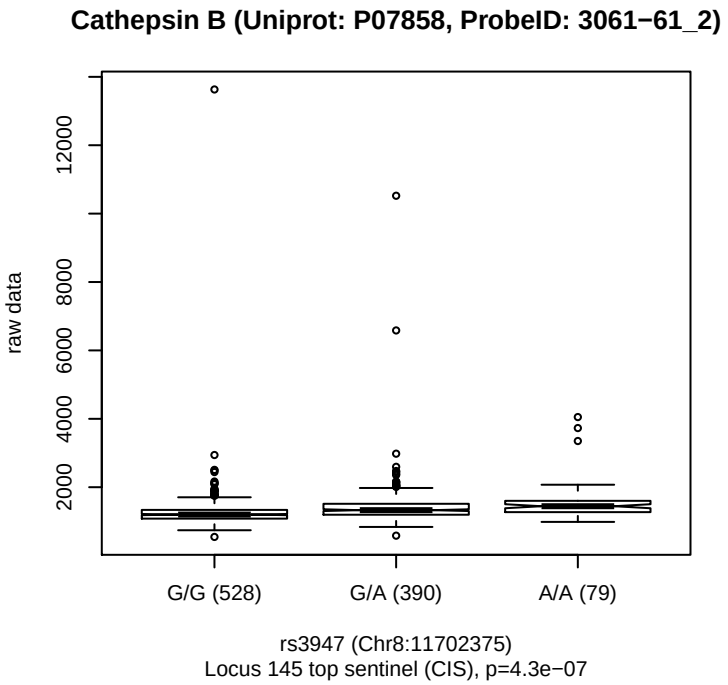

sFRP−3 (Uniprot: Q92765, ProbeID: 2841−13_2)
Frequency
0
100
200
300
400
500
600
11
12
13
14
15
log2−scaled data
Secreted frizzled−related protein 3

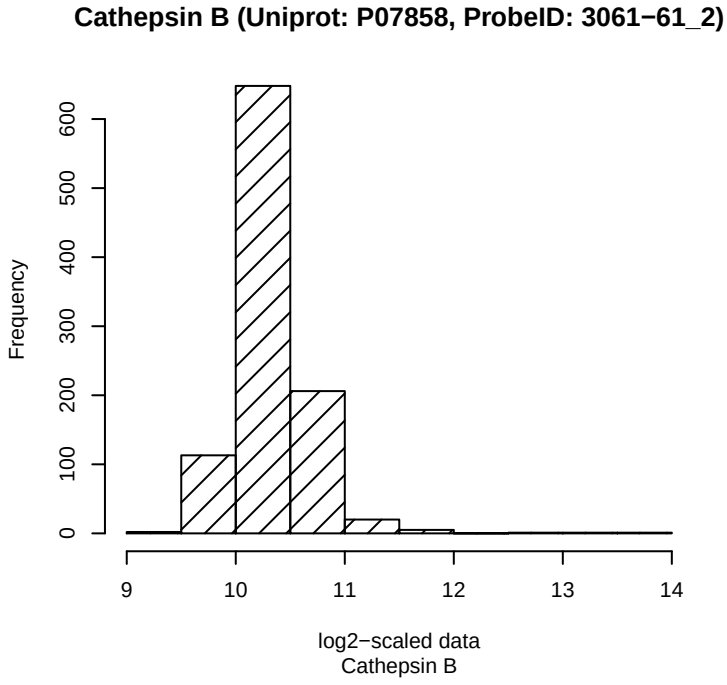

sFRP−3 (Uniprot: Q92765, ProbeID: 2841−13_2)
log2−scaled data
11
12
13
14
G/G (747)
G/A (235)
A/A (13)
rs288326 (Chr2:183703336)
Locus 144 top sentinel (CIS), p=8e−19, FC=1.1024

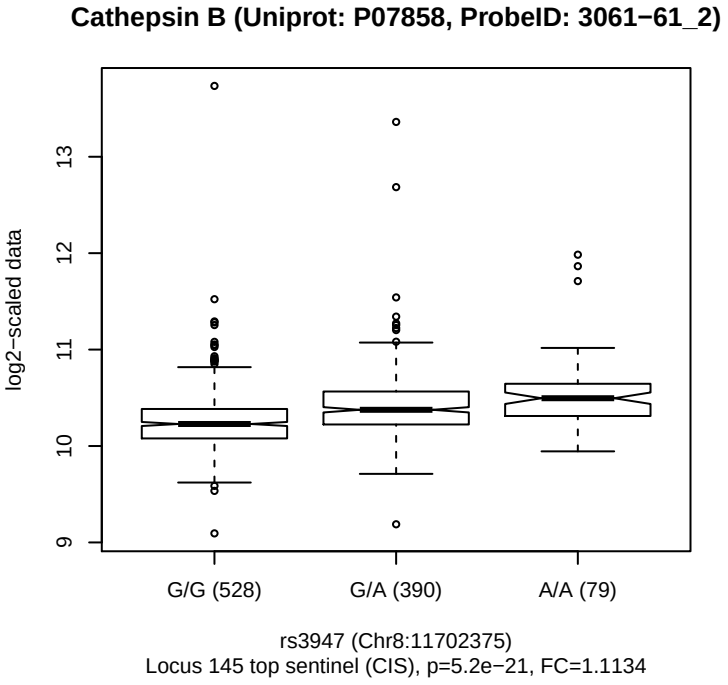

sFRP−3 (Uniprot: Q92765, ProbeID: 2841−13_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Secreted frizzled−related protein 3

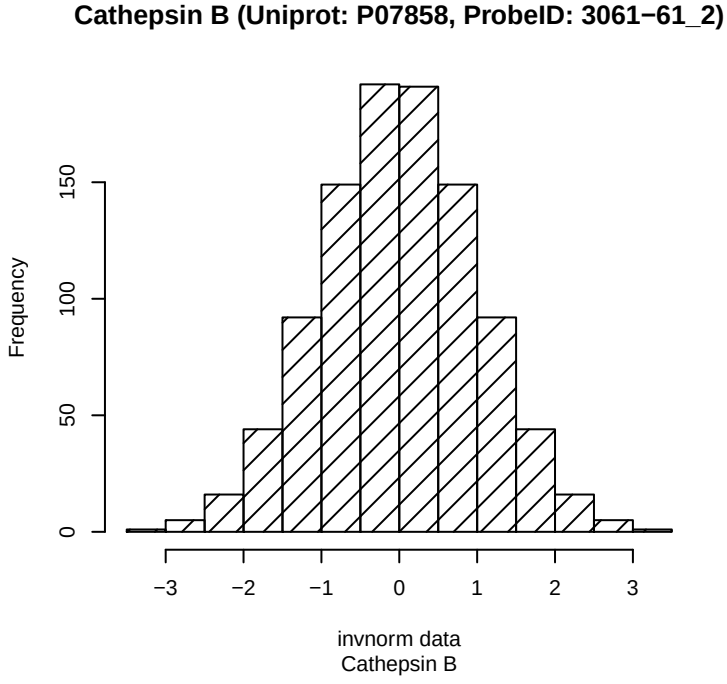

sFRP−3 (Uniprot: Q92765, ProbeID: 2841−13_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (747)
G/A (235)
A/A (13)
rs288326 (Chr2:183703336)
Locus 144 top sentinel (CIS), p=8.6e−28

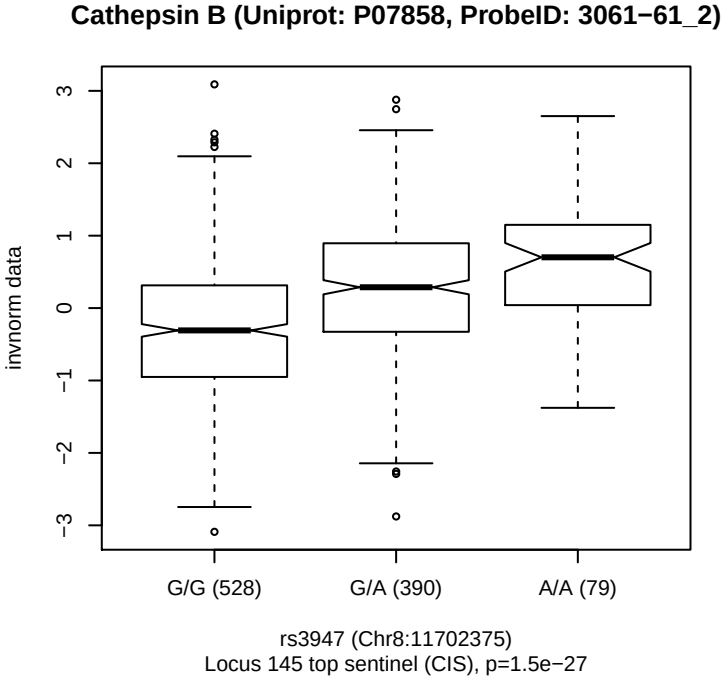

Cathepsin B (Uniprot: P07858, ProbeID: 3061−61_2)
Frequency
0
200
400
600
800
0
2000
4000
6000
8000
10000
12000
14000
raw data
Cathepsin B

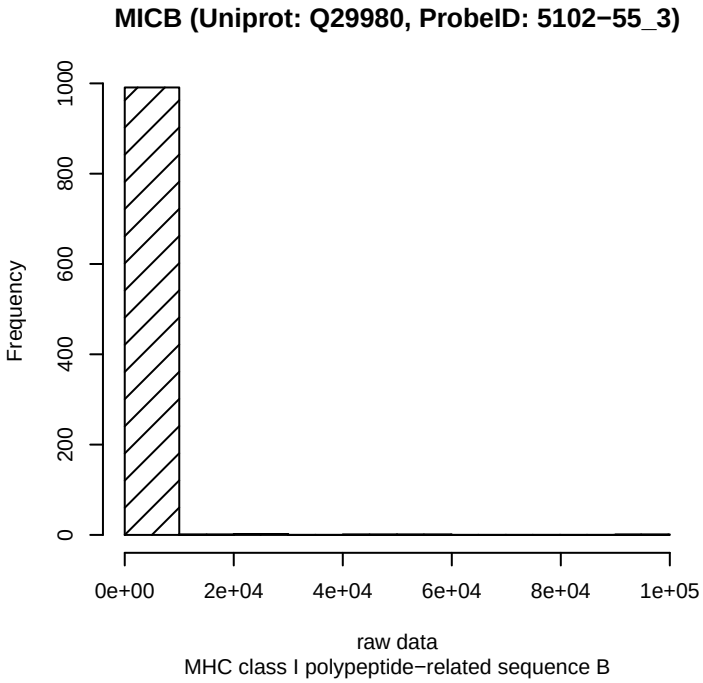

Cathepsin B (Uniprot: P07858, ProbeID: 3061−61_2)
raw data
2000
4000
6000
8000
12000
G/G (528)
G/A (390)
A/A (79)
rs3947 (Chr8:11702375)
Locus 145 top sentinel (CIS), p=4.3e−07

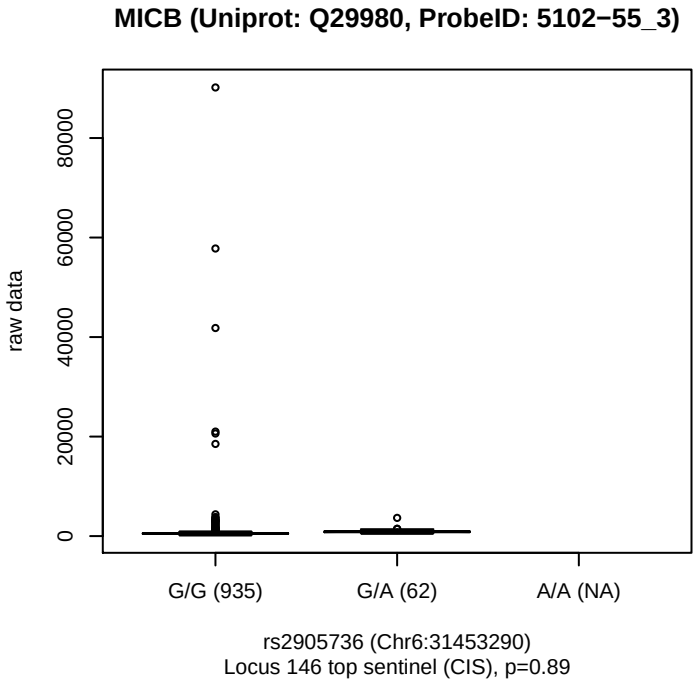

Cathepsin B (Uniprot: P07858, ProbeID: 3061−61_2)
Frequency
0
100
200
300
400
500
600
9
10
11
12
13
14
log2−scaled data
Cathepsin B

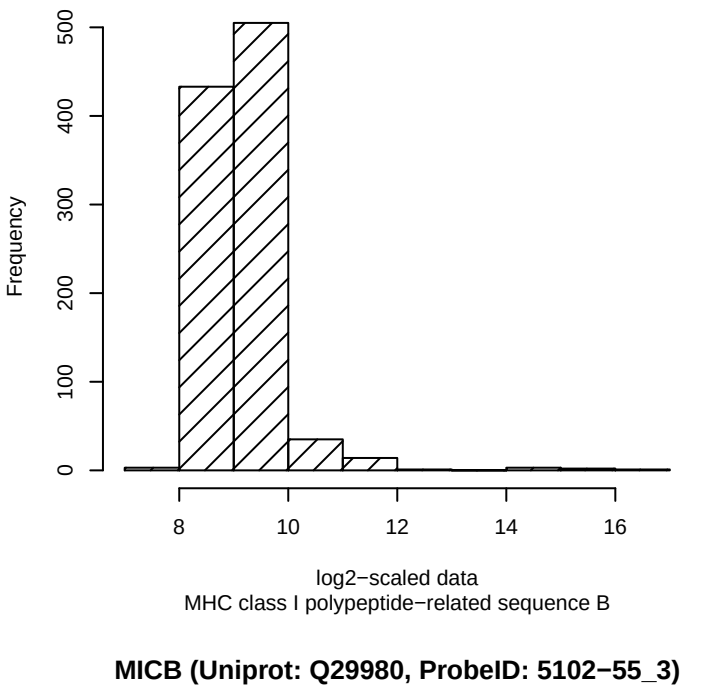

Cathepsin B (Uniprot: P07858, ProbeID: 3061−61_2)
log2−scaled data
9
10
11
12
13
G/G (528)
G/A (390)
A/A (79)
rs3947 (Chr8:11702375)
Locus 145 top sentinel (CIS), p=5.2e−21, FC=1.1134

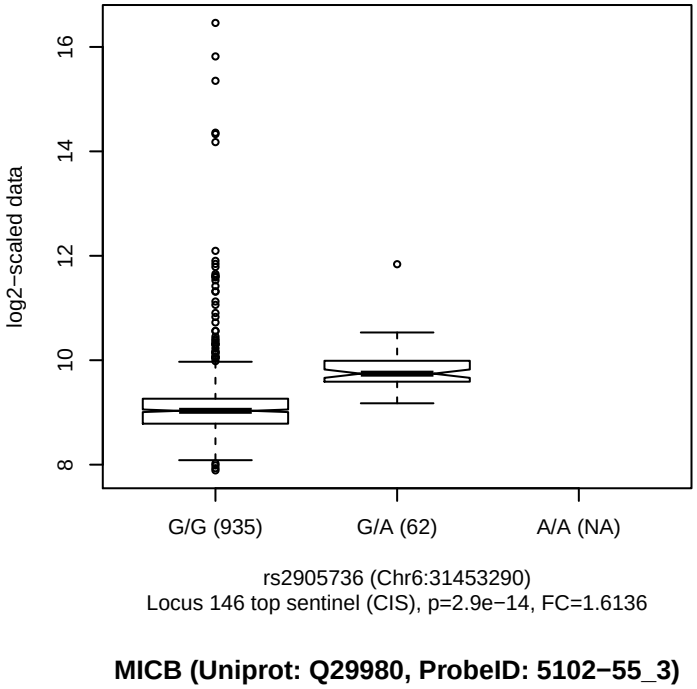

Cathepsin B (Uniprot: P07858, ProbeID: 3061−61_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Cathepsin B

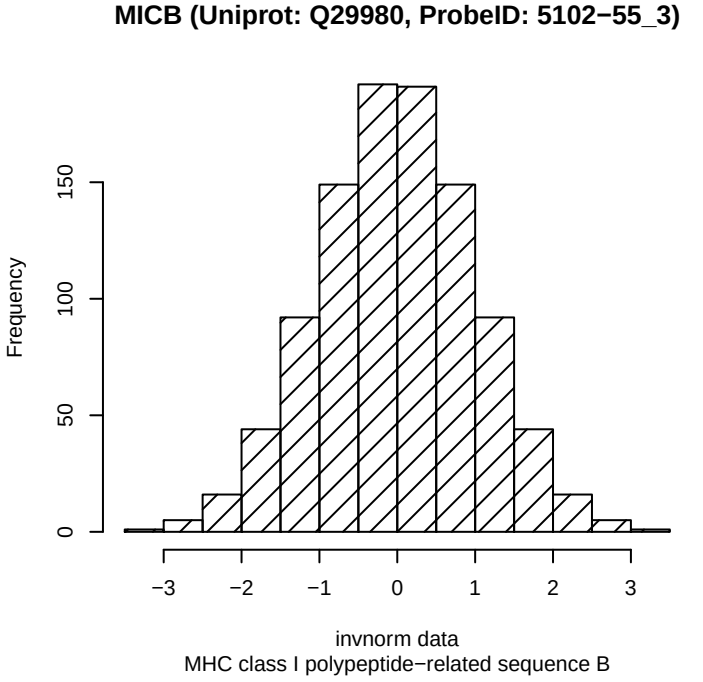

Cathepsin B (Uniprot: P07858, ProbeID: 3061−61_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (528)
G/A (390)
A/A (79)
rs3947 (Chr8:11702375)
Locus 145 top sentinel (CIS), p=1.5e−27

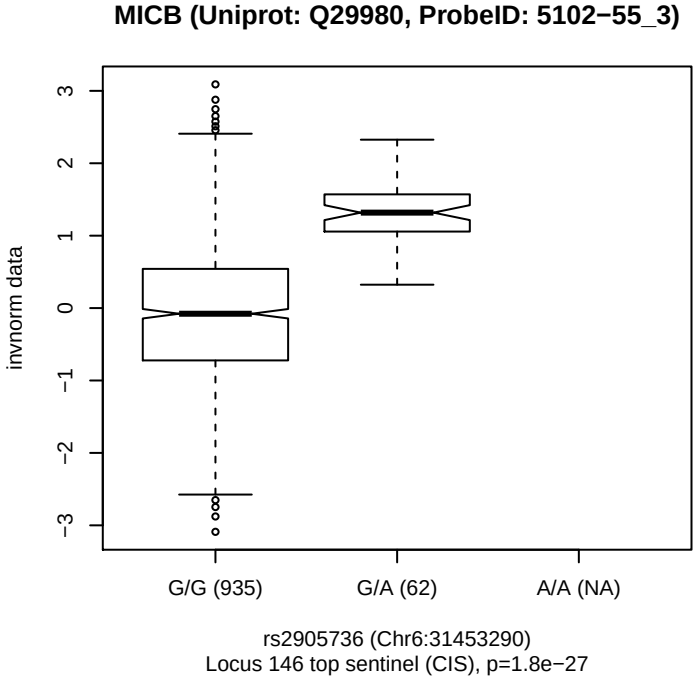

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
200
400
600
800
1000
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
raw data
MHC class I polypeptide−related sequence B

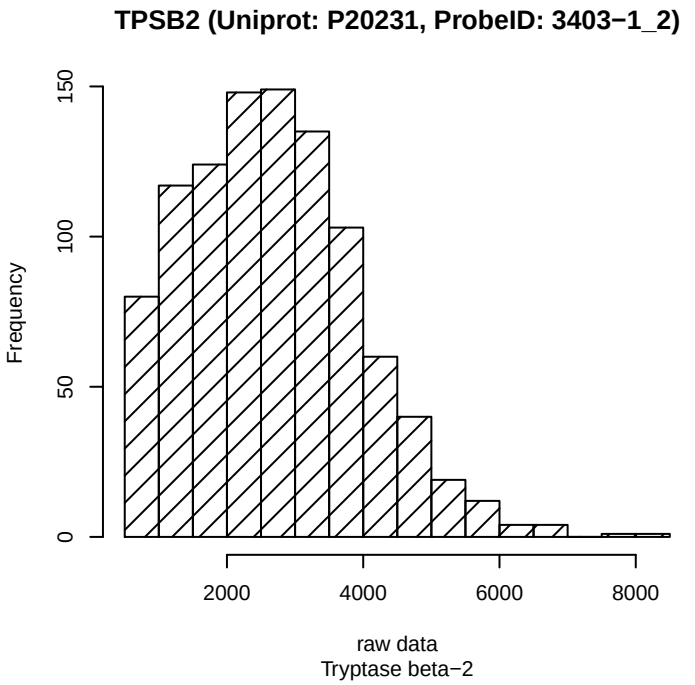

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
raw data
0
20000
40000
60000
80000
G/G (935)
G/A (62)
A/A (NA)
rs2905736 (Chr6:31453290)
Locus 146 top sentinel (CIS), p=0.89

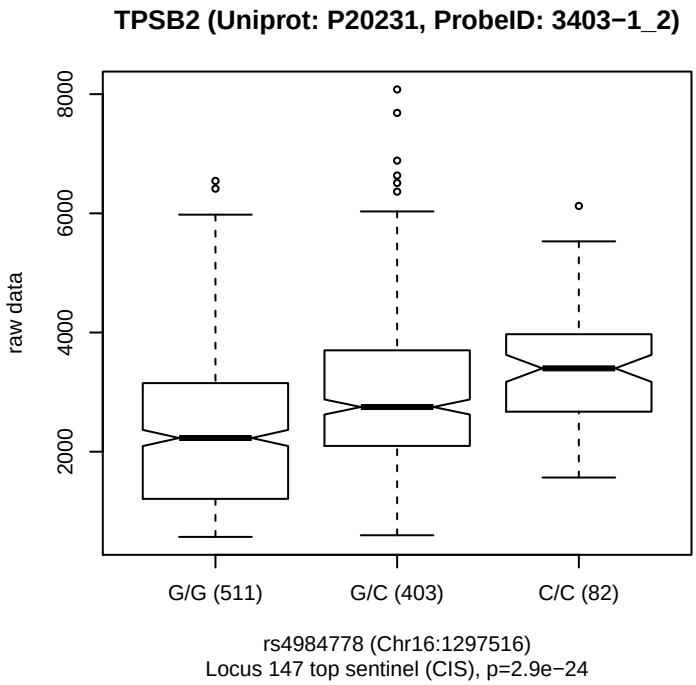

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
100
200
300
400
500
8
10
12
14
16
log2−scaled data
MHC class I polypeptide−related sequence B

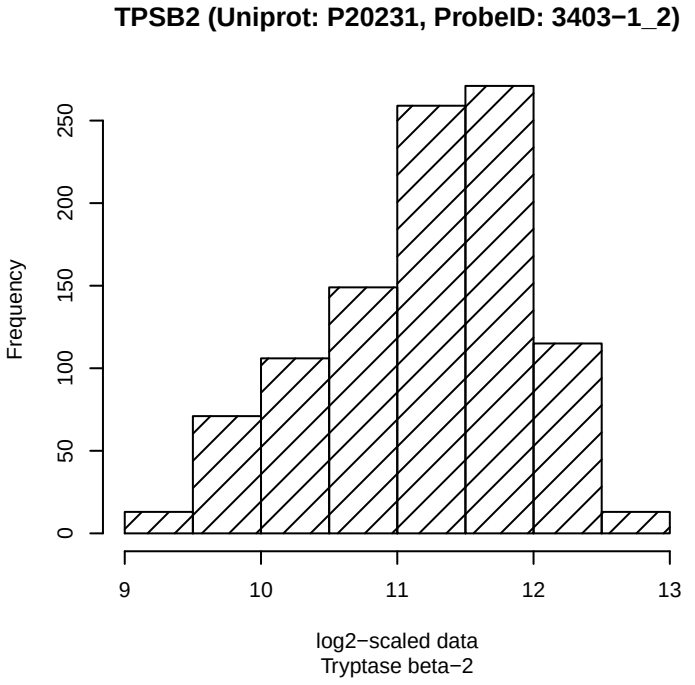

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
log2−scaled data
8
10
12
14
16
G/G (935)
G/A (62)
A/A (NA)
rs2905736 (Chr6:31453290)
Locus 146 top sentinel (CIS), p=2.9e−14, FC=1.6136

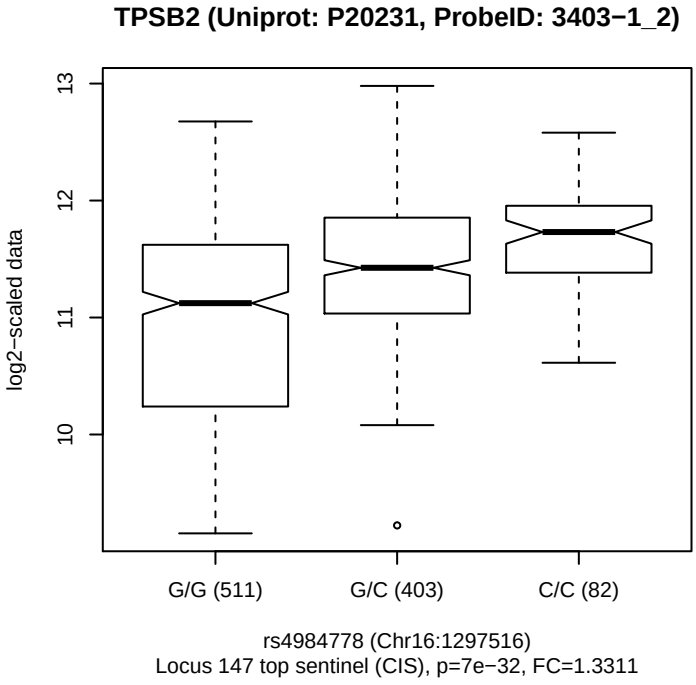

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence B

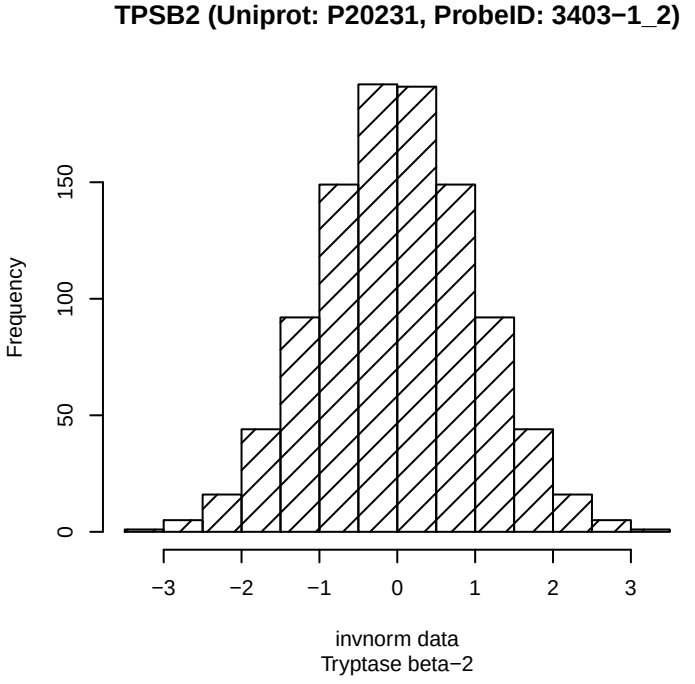

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
invnorm data
−3
−2
−1
0
1
2
3
G/G (935)
G/A (62)
A/A (NA)
rs2905736 (Chr6:31453290)
Locus 146 top sentinel (CIS), p=1.8e−27

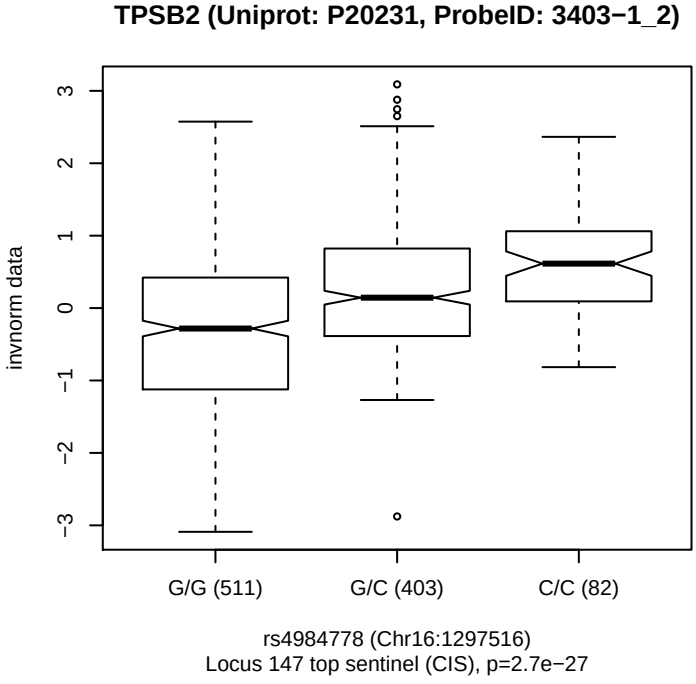

TPSB2 (Uniprot: P20231, ProbeID: 3403−1_2)
Frequency
0
50
100
150
2000
4000
6000
8000
raw data
Tryptase beta−2

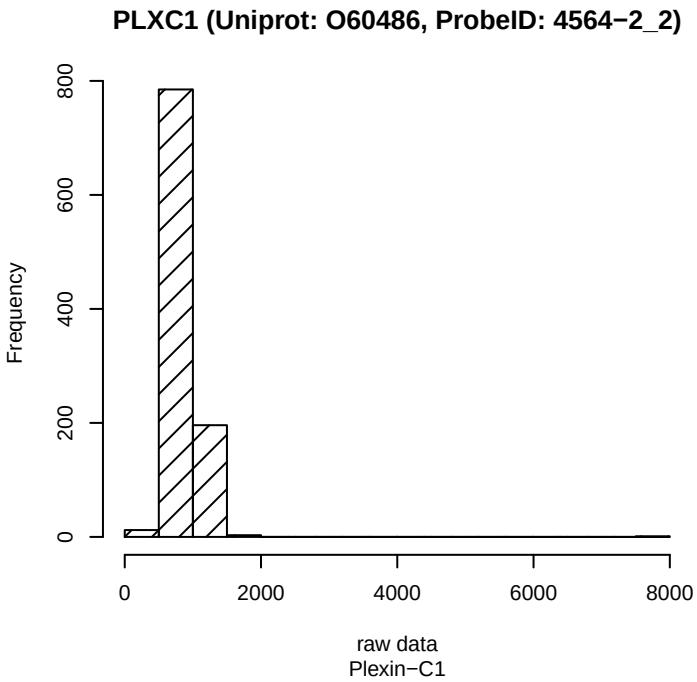

TPSB2 (Uniprot: P20231, ProbeID: 3403−1_2)
raw data
2000
4000
6000
8000
G/G (511)
G/C (403)
C/C (82)
rs4984778 (Chr16:1297516)
Locus 147 top sentinel (CIS), p=2.9e−24

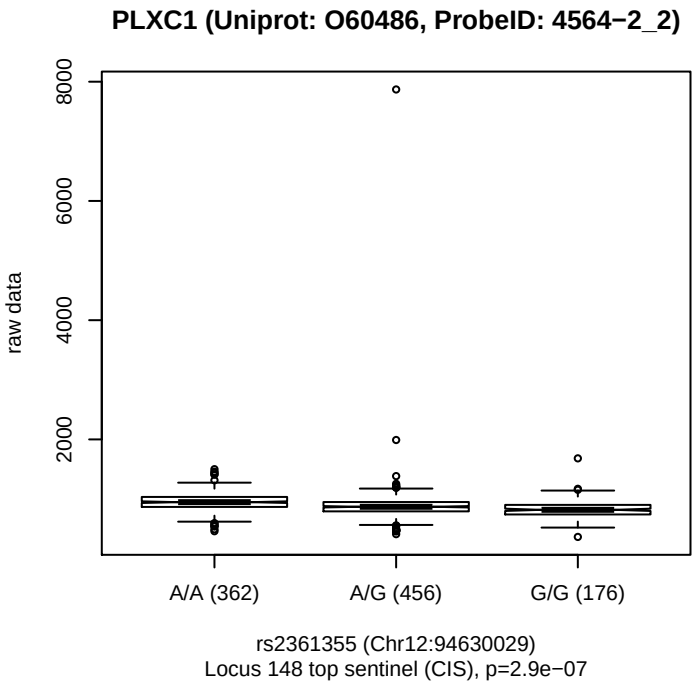

TPSB2 (Uniprot: P20231, ProbeID: 3403−1_2)
Frequency
0
50
100
150
200
250
9
10
11
12
13
log2−scaled data
Tryptase beta−2

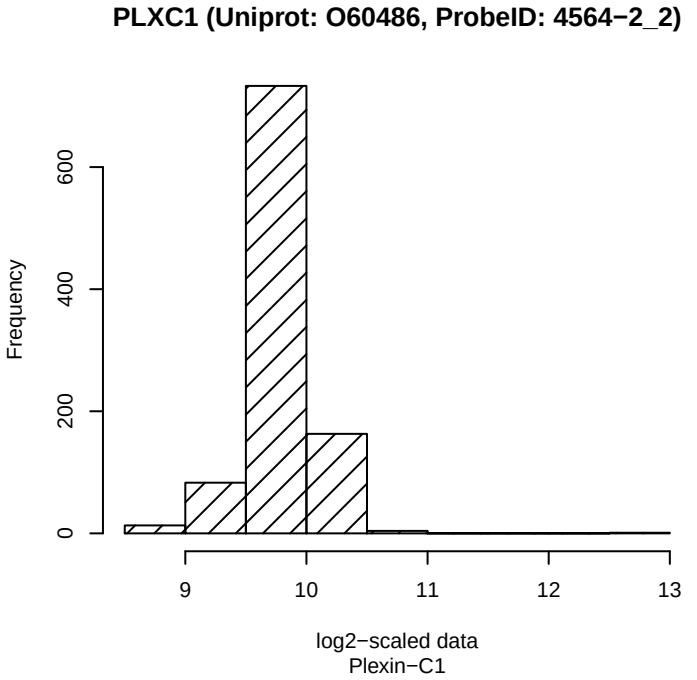

TPSB2 (Uniprot: P20231, ProbeID: 3403−1_2)
log2−scaled data
10
11
12
13
G/G (511)
G/C (403)
C/C (82)
rs4984778 (Chr16:1297516)
Locus 147 top sentinel (CIS), p=7e−32, FC=1.3311

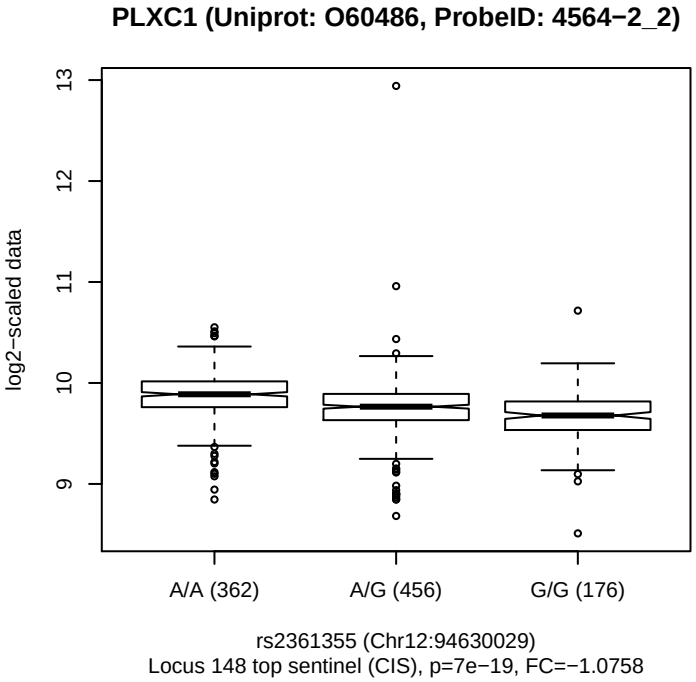

TPSB2 (Uniprot: P20231, ProbeID: 3403−1_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Tryptase beta−2

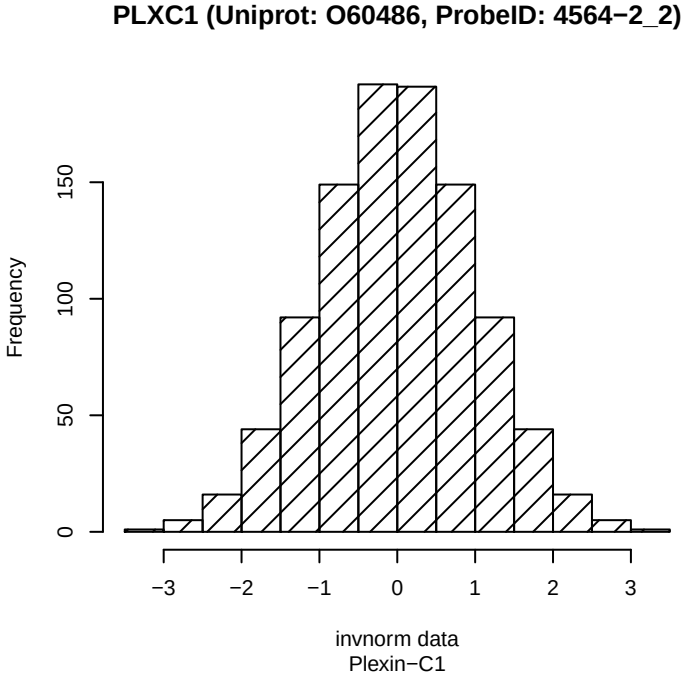

TPSB2 (Uniprot: P20231, ProbeID: 3403−1_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (511)
G/C (403)
C/C (82)
rs4984778 (Chr16:1297516)
Locus 147 top sentinel (CIS), p=2.7e−27

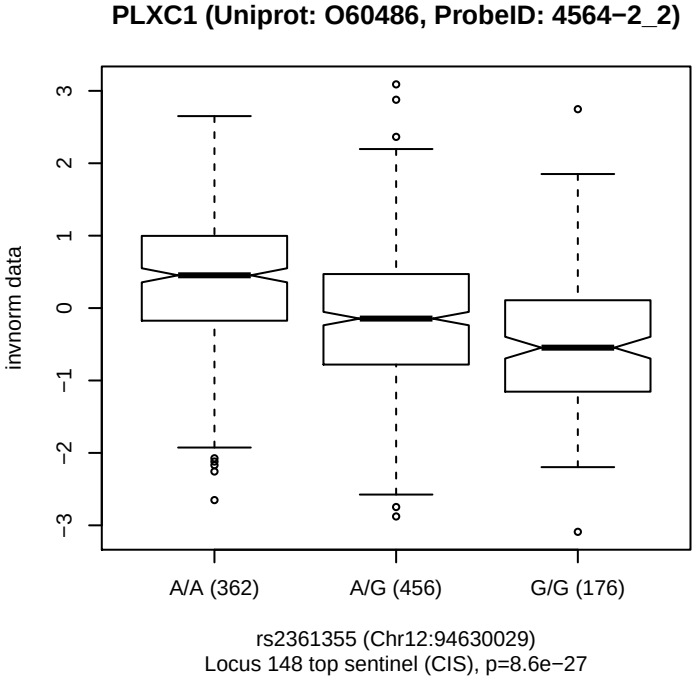

PLXC1 (Uniprot: O60486, ProbeID: 4564−2_2)
Frequency
0
200
400
600
800
0
2000
4000
6000
8000
raw data
Plexin−C1

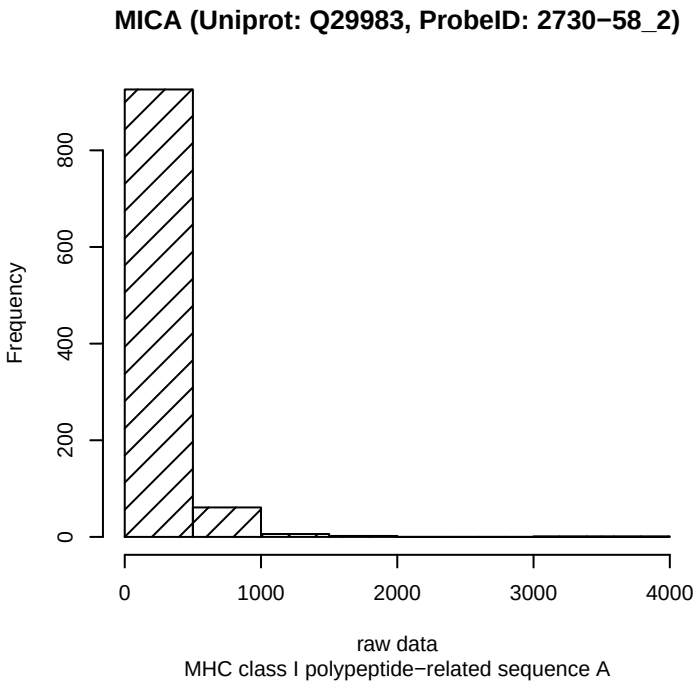

PLXC1 (Uniprot: O60486, ProbeID: 4564−2_2)
raw data
2000
4000
6000
8000
A/A (362)
A/G (456)
G/G (176)
rs2361355 (Chr12:94630029)
Locus 148 top sentinel (CIS), p=2.9e−07

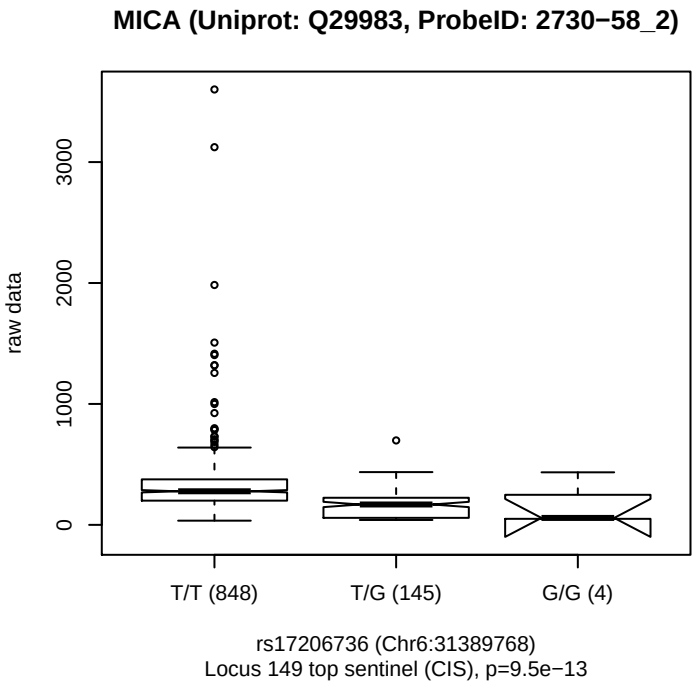

PLXC1 (Uniprot: O60486, ProbeID: 4564−2_2)
Frequency
0
200
400
600
9
10
11
12
13
log2−scaled data
Plexin−C1

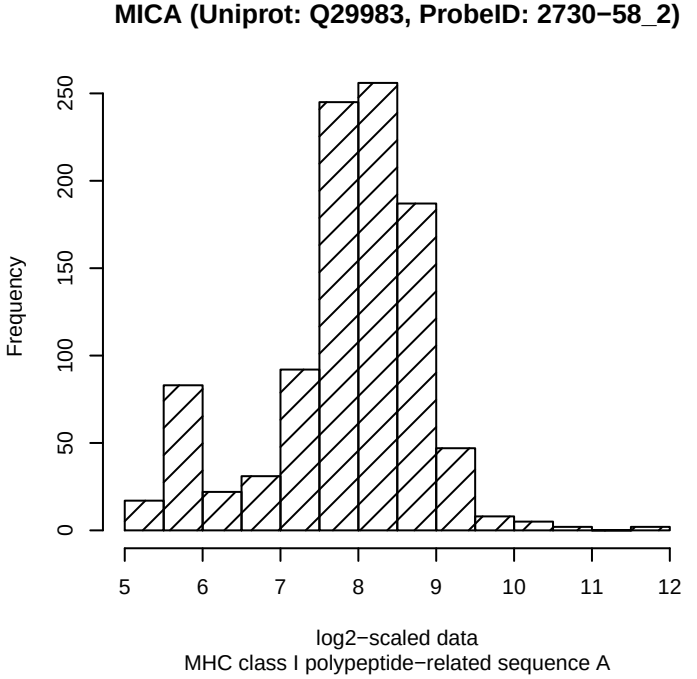

PLXC1 (Uniprot: O60486, ProbeID: 4564−2_2)
log2−scaled data
9
10
11
12
13
A/A (362)
A/G (456)
G/G (176)
rs2361355 (Chr12:94630029)
Locus 148 top sentinel (CIS), p=7e−19, FC=−1.0758

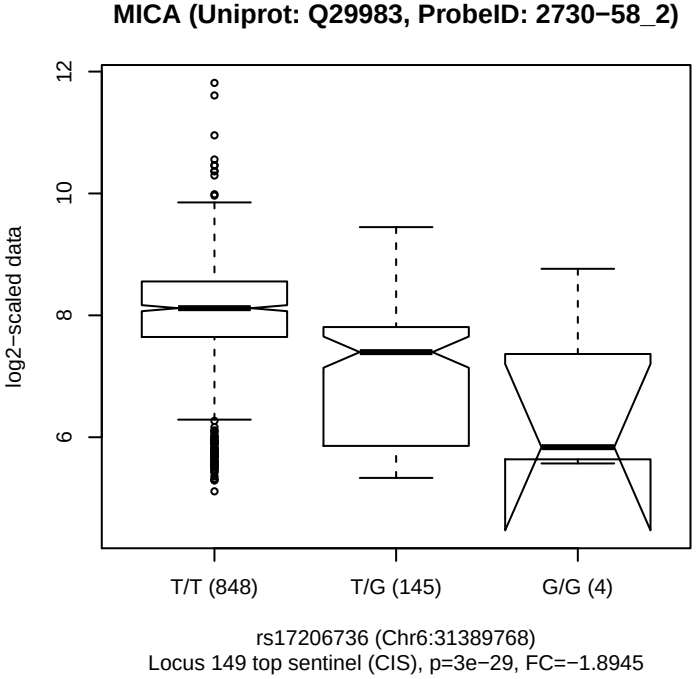

PLXC1 (Uniprot: O60486, ProbeID: 4564−2_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Plexin−C1

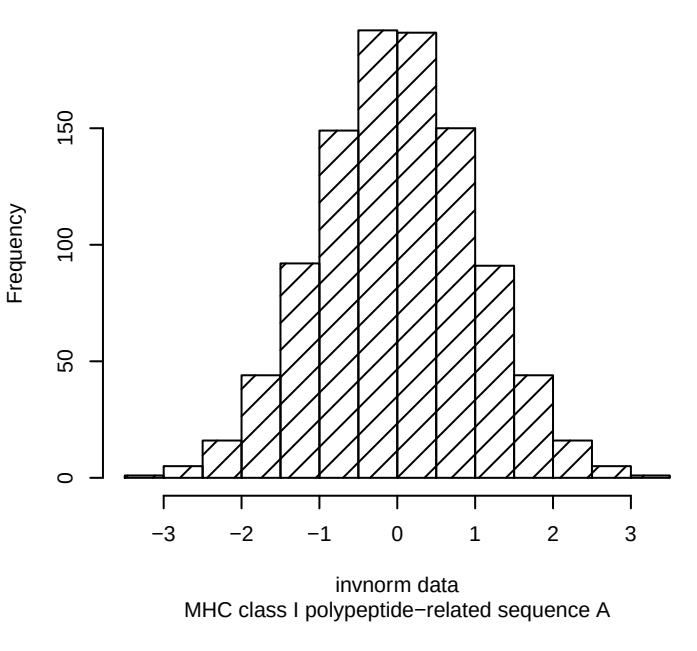

PLXC1 (Uniprot: O60486, ProbeID: 4564−2_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (362)
A/G (456)
G/G (176)
rs2361355 (Chr12:94630029)
Locus 148 top sentinel (CIS), p=8.6e−27

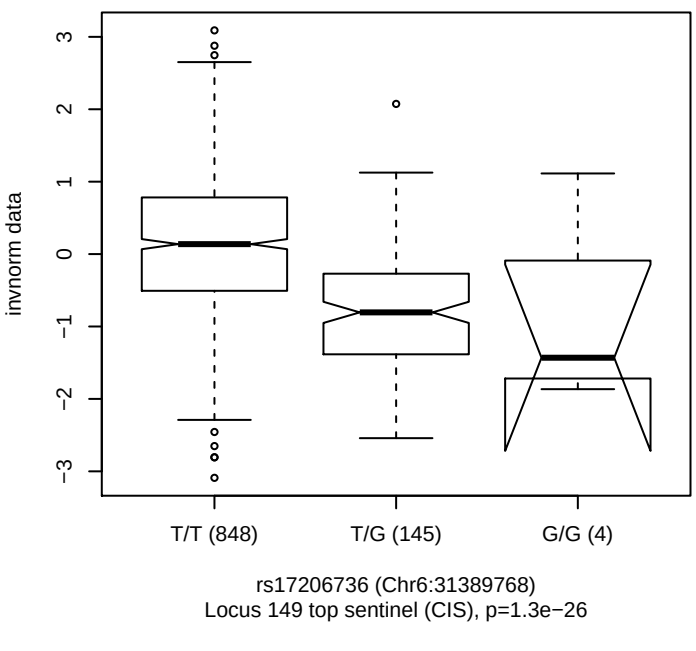

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
200
400
600
800
0
1000
2000
3000
4000
raw data
MHC class I polypeptide−related sequence A

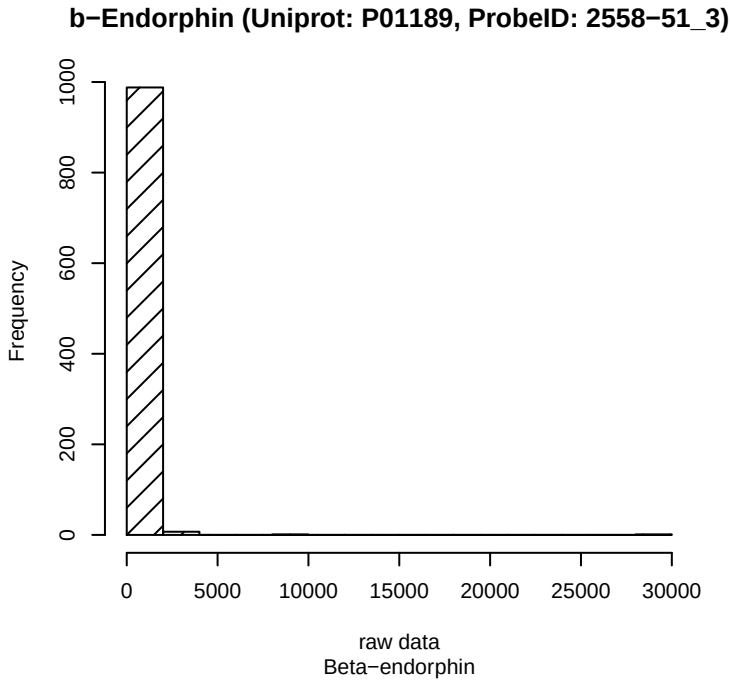

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
raw data
0
1000
2000
3000
T/T (848)
T/G (145)
G/G (4)
rs17206736 (Chr6:31389768)
Locus 149 top sentinel (CIS), p=9.5e−13

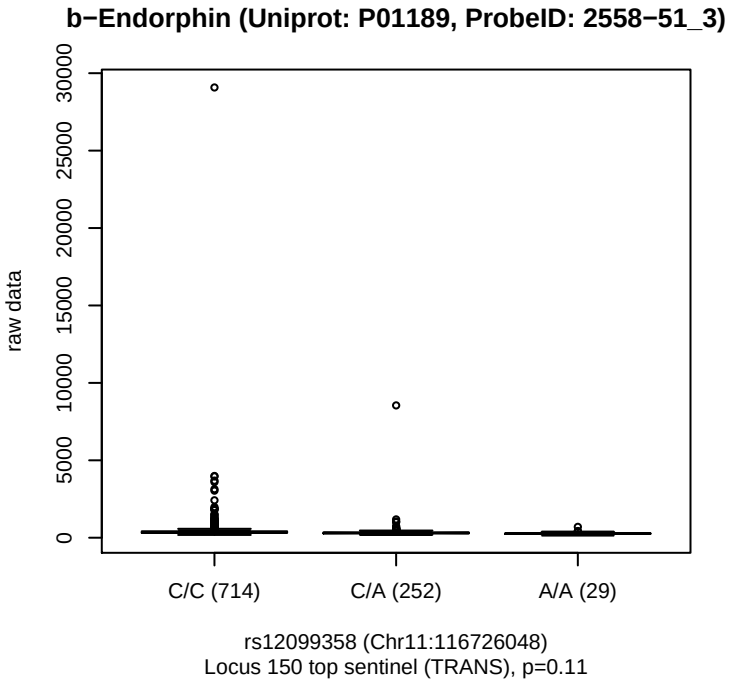

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
200
250
5
6
7
8
9
10
11
12
log2−scaled data
MHC class I polypeptide−related sequence A

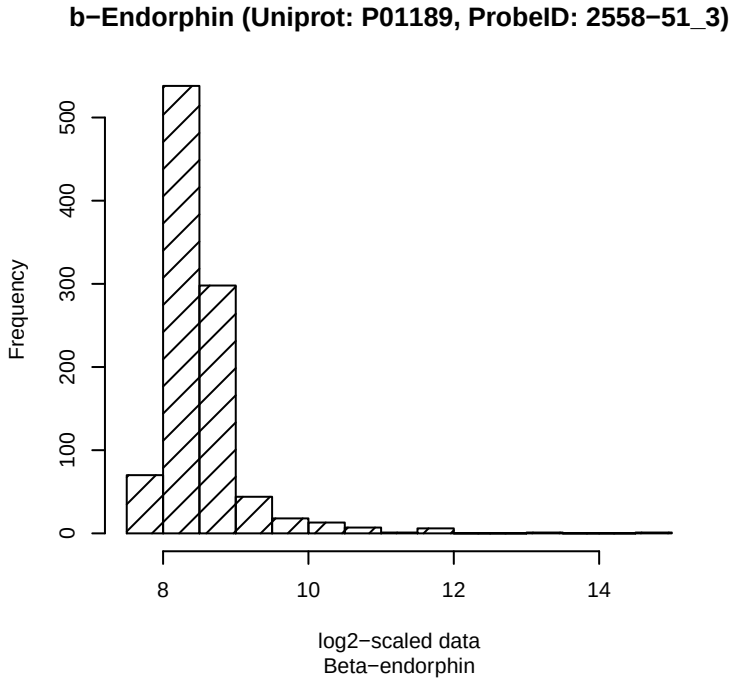

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
log2−scaled data
6
8
10
12
T/T (848)
T/G (145)
G/G (4)
rs17206736 (Chr6:31389768)
Locus 149 top sentinel (CIS), p=3e−29, FC=−1.8945

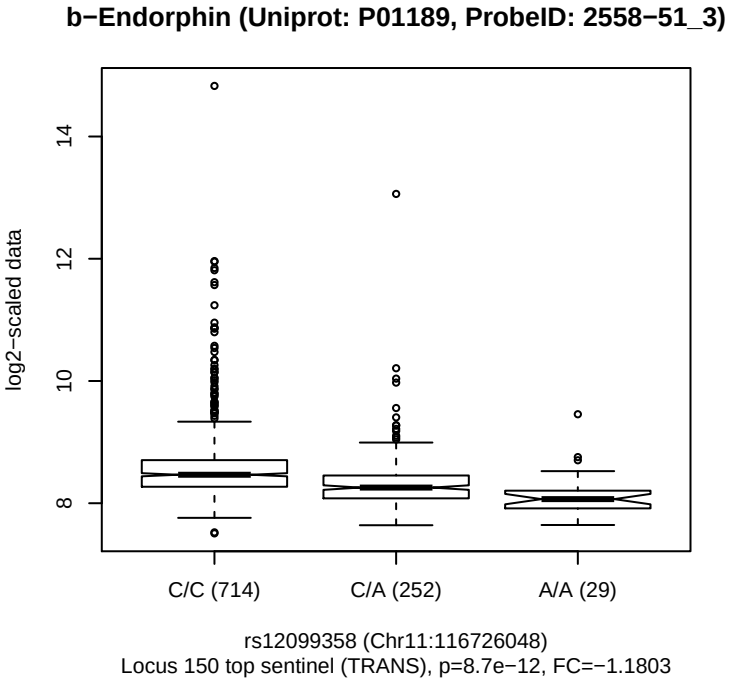

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence A

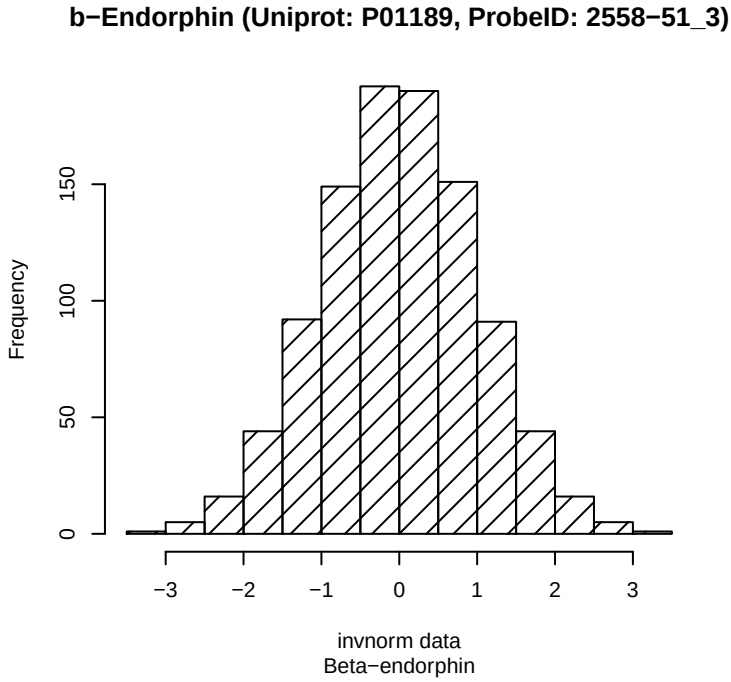

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (848)
T/G (145)
G/G (4)
rs17206736 (Chr6:31389768)
Locus 149 top sentinel (CIS), p=1.3e−26

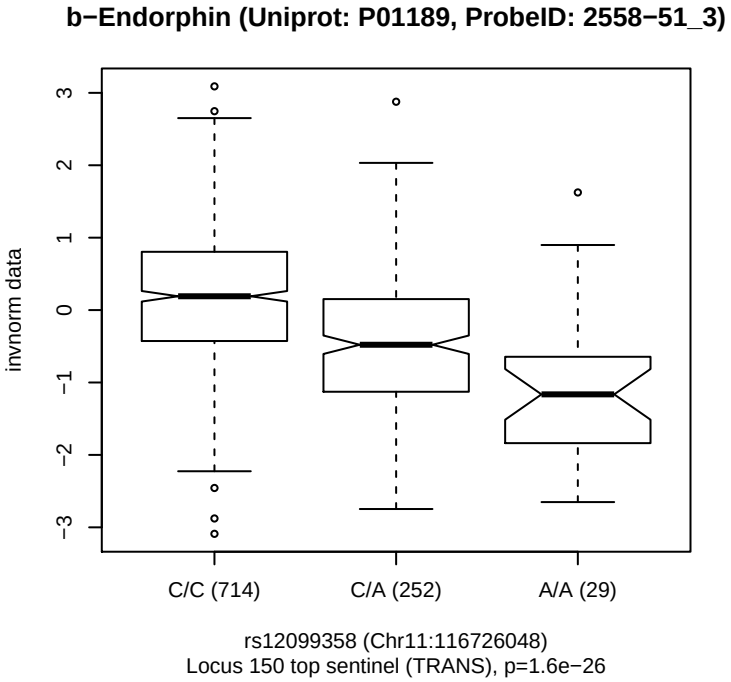

b−Endorphin (Uniprot: P01189, ProbeID: 2558−51_3)
Frequency
raw data
Beta−endorphin

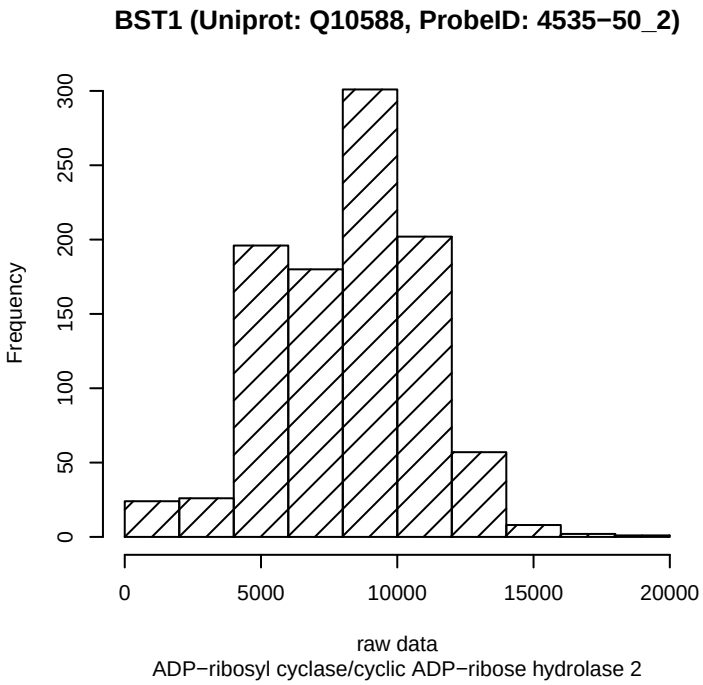

b−Endorphin (Uniprot: P01189, ProbeID: 2558−51_3)
raw data
C/C (714)
C/A (252)
A/A (29)
rs12099358 (Chr11:116726048)
Locus 150 top sentinel (TRANS), p=0.11

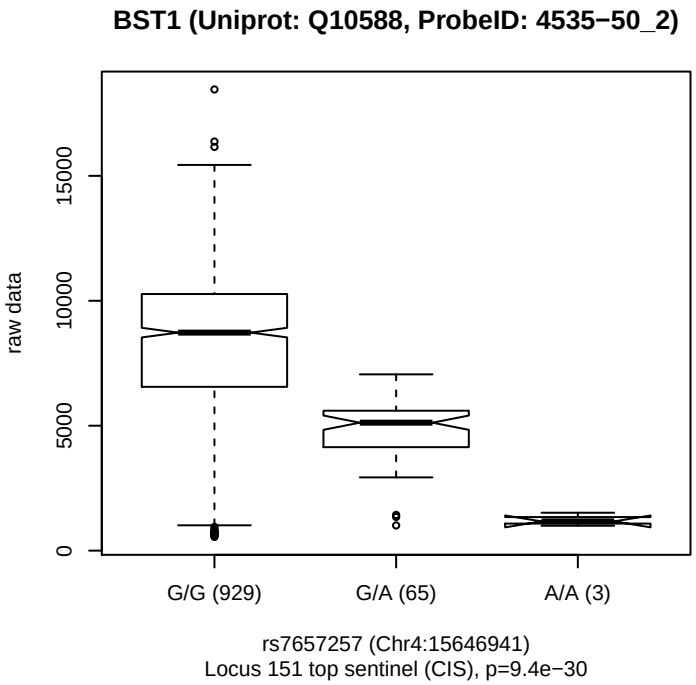

b−Endorphin (Uniprot: P01189, ProbeID: 2558−51_3)
Frequency
log2−scaled data
Beta−endorphin

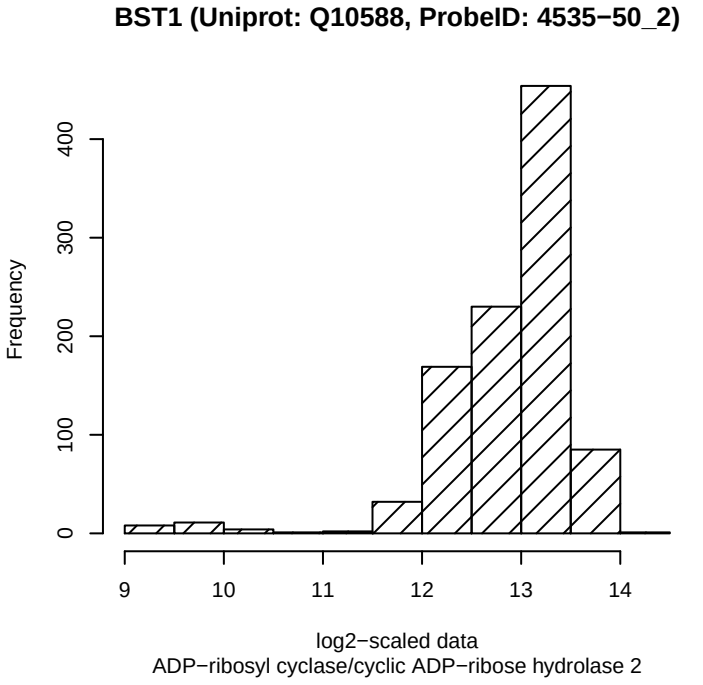

b−Endorphin (Uniprot: P01189, ProbeID: 2558−51_3)
log2−scaled data
C/C (714)
C/A (252)
A/A (29)
rs12099358 (Chr11:116726048)
Locus 150 top sentinel (TRANS), p=8.7e−12, FC=−1.1803

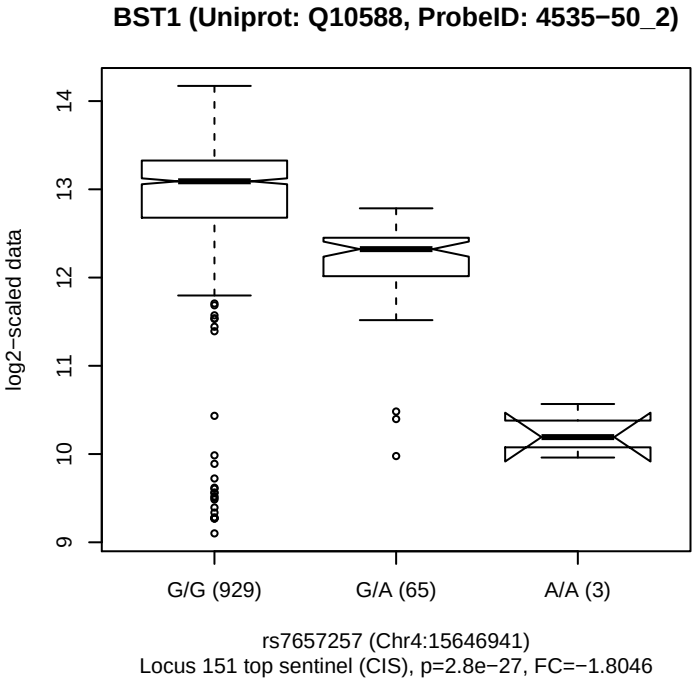

b−Endorphin (Uniprot: P01189, ProbeID: 2558−51_3)
Frequency
invnorm data
Beta−endorphin

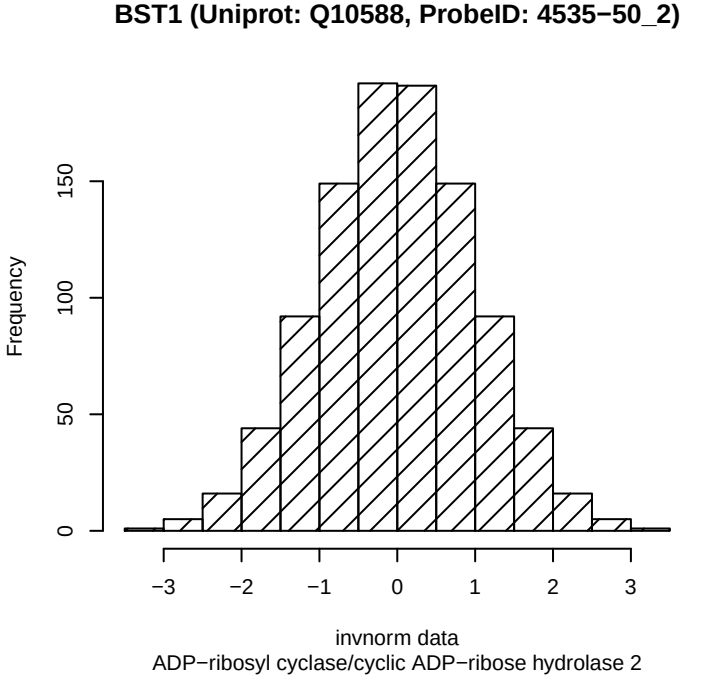

b−Endorphin (Uniprot: P01189, ProbeID: 2558−51_3)
invnorm data
C/C (714)
C/A (252)
A/A (29)
rs12099358 (Chr11:116726048)
Locus 150 top sentinel (TRANS), p=1.6e−26

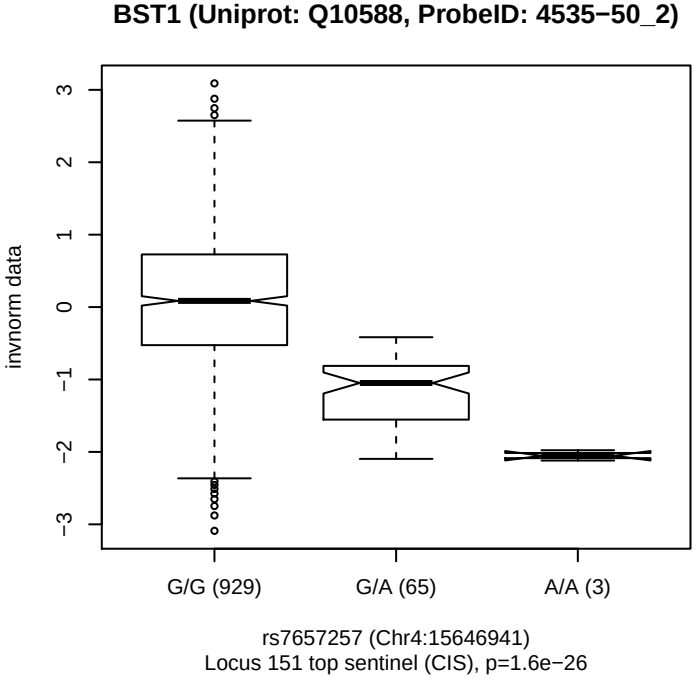

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
Frequency
0
50
100
150
200
250
300
0
5000
10000
15000
20000
raw data
ADP−ribosyl cyclase/cyclic ADP−ribose hydrolase 2

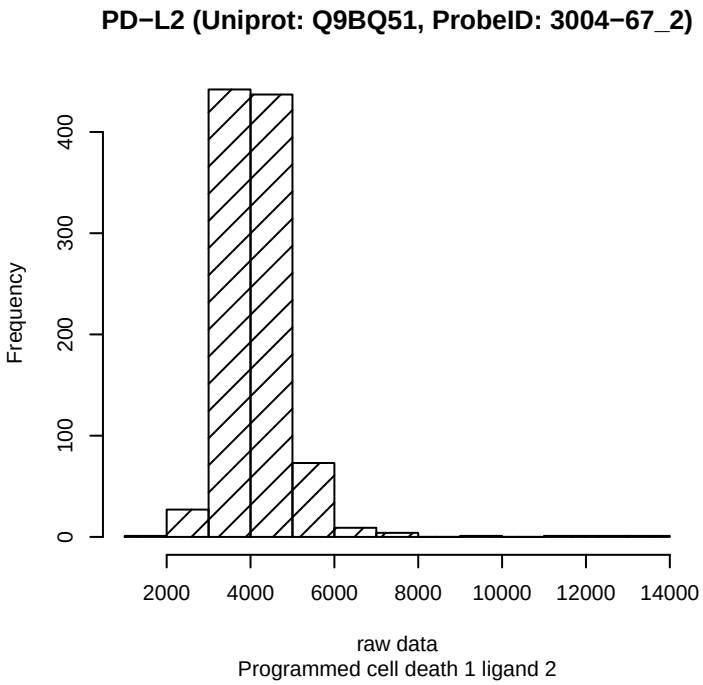

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
raw data
0
5000
10000
15000
G/G (929)
G/A (65)
A/A (3)
rs7657257 (Chr4:15646941)
Locus 151 top sentinel (CIS), p=9.4e−30

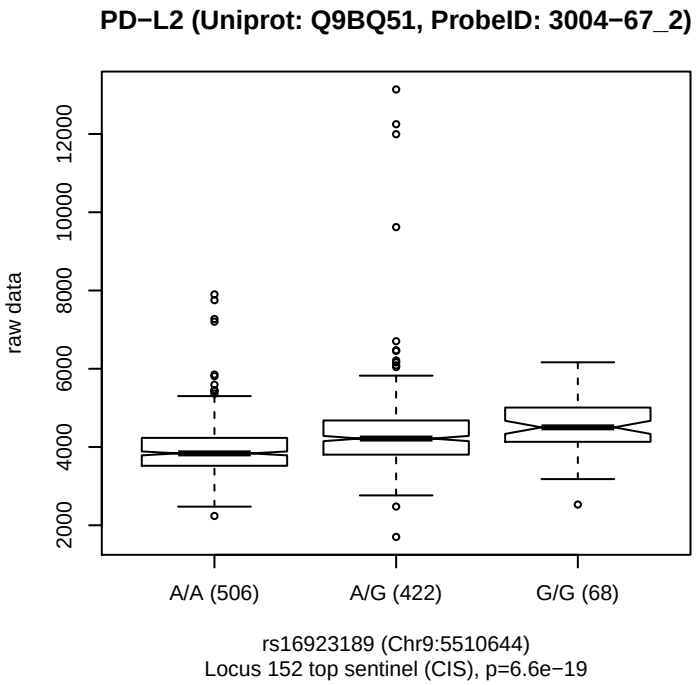

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
Frequency
0
100
200
300
400
9
10
11
12
13
14
log2−scaled data
ADP−ribosyl cyclase/cyclic ADP−ribose hydrolase 2

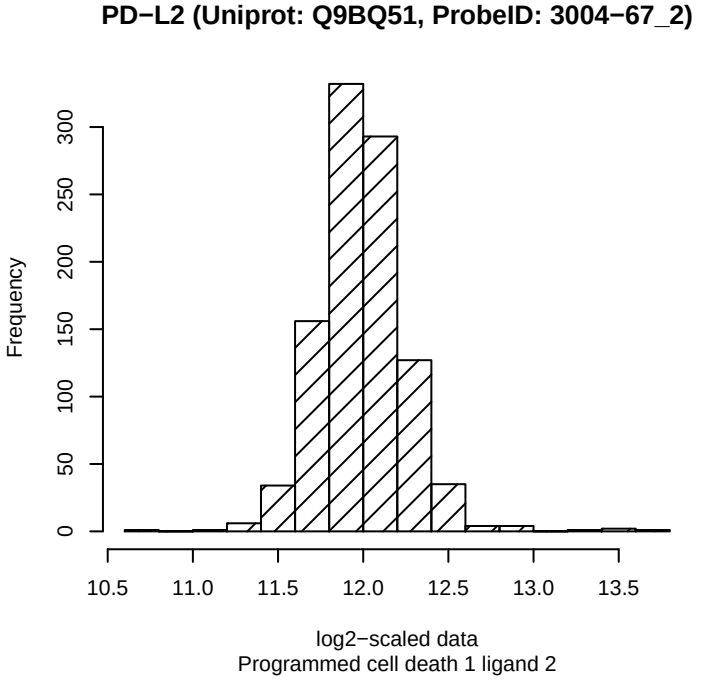

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
log2−scaled data
9
10
11
12
13
14
G/G (929)
G/A (65)
A/A (3)
rs7657257 (Chr4:15646941)
Locus 151 top sentinel (CIS), p=2.8e−27, FC=−1.8046

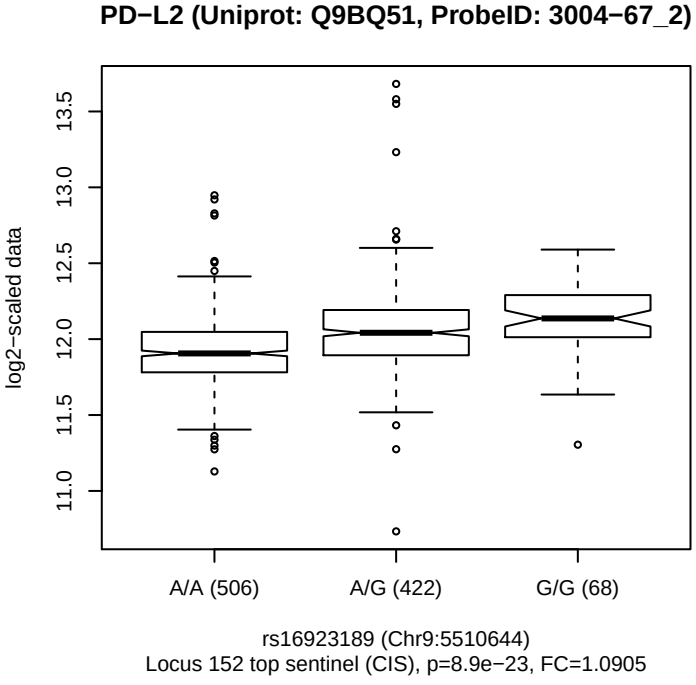

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
ADP−ribosyl cyclase/cyclic ADP−ribose hydrolase 2

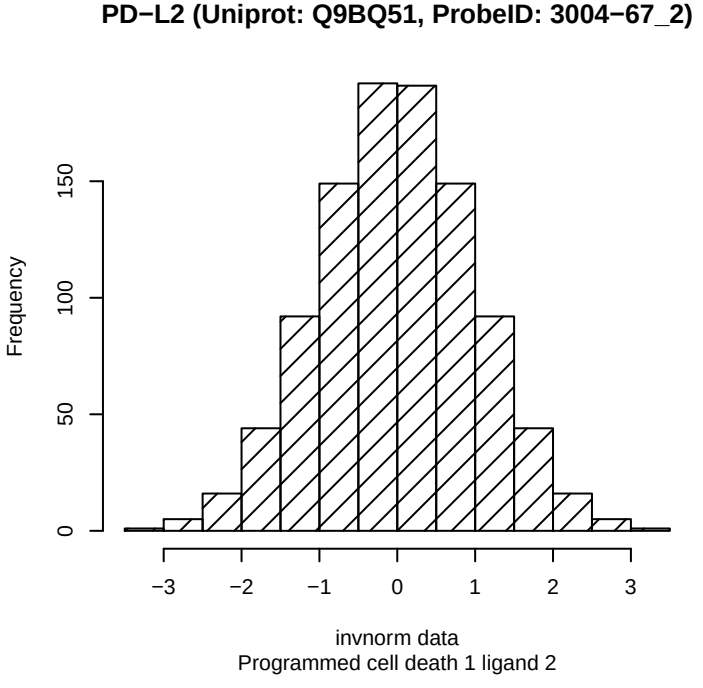

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (929)
G/A (65)
A/A (3)
rs7657257 (Chr4:15646941)
Locus 151 top sentinel (CIS), p=1.6e−26

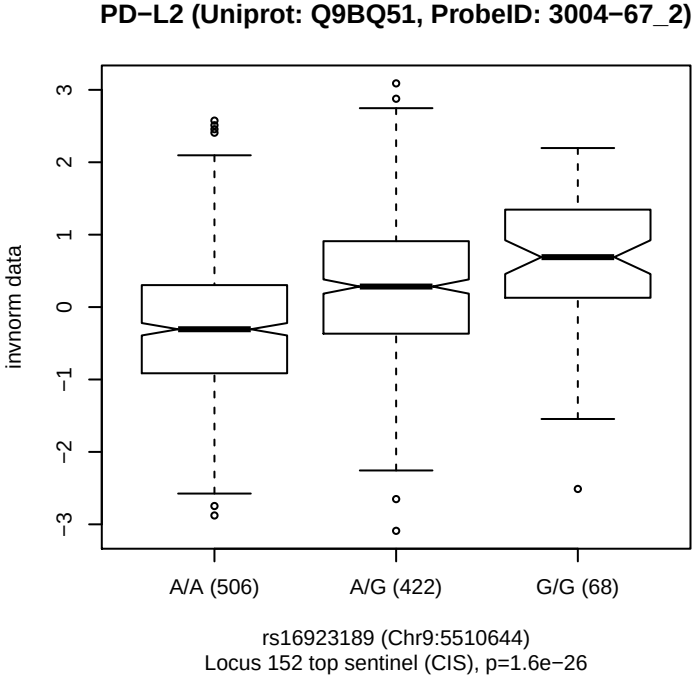

PD−L2 (Uniprot: Q9BQ51, ProbeID: 3004−67_2)
Frequency
0
100
200
300
400
2000
4000
6000
8000
10000
12000
14000
raw data
Programmed cell death 1 ligand 2


PD−L2 (Uniprot: Q9BQ51, ProbeID: 3004−67_2)
raw data
2000
4000
6000
8000
10000
12000
A/A (506)
A/G (422)
G/G (68)
rs16923189 (Chr9:5510644)
Locus 152 top sentinel (CIS), p=6.6e−19

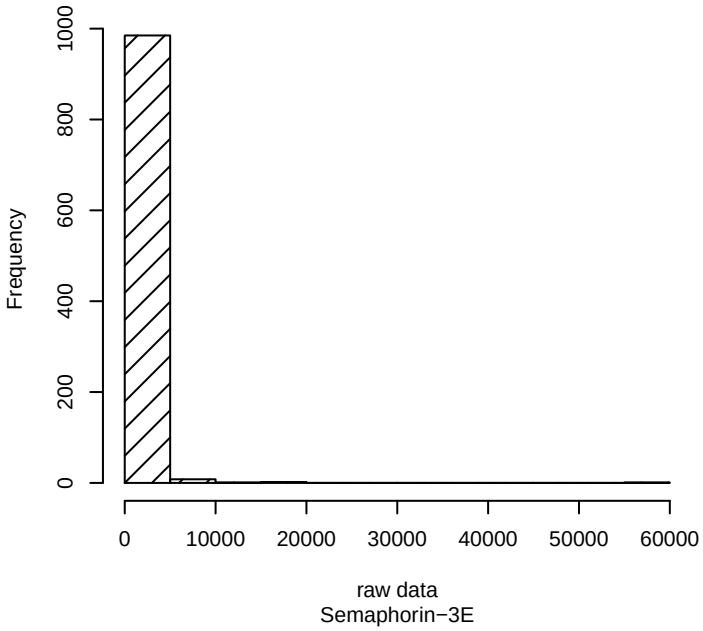

PD−L2 (Uniprot: Q9BQ51, ProbeID: 3004−67_2)
Frequency
0
50
100
150
200
250
300
10.5
11.0
11.5
12.0
12.5
13.0
13.5
log2−scaled data
Programmed cell death 1 ligand 2


PD−L2 (Uniprot: Q9BQ51, ProbeID: 3004−67_2)
log2−scaled data
11.0
11.5
12.0
12.5
13.0
13.5
A/A (506)
A/G (422)
G/G (68)
rs16923189 (Chr9:5510644)
Locus 152 top sentinel (CIS), p=8.9e−23, FC=1.0905

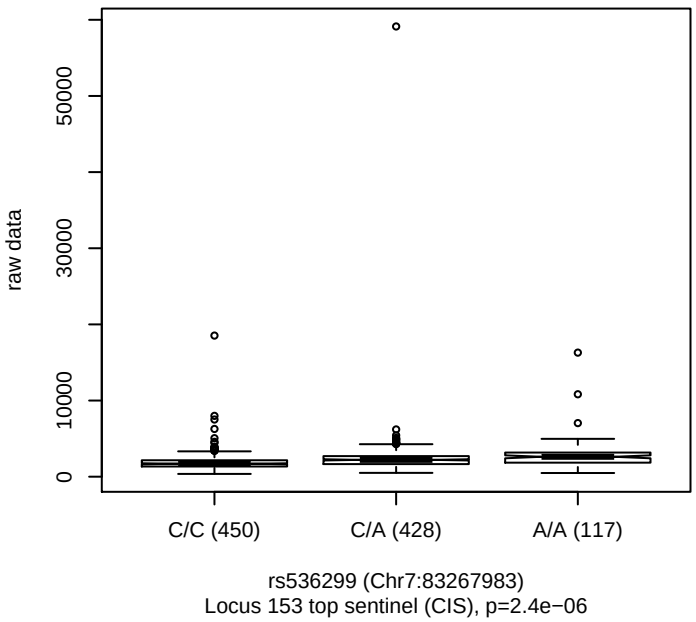

PD−L2 (Uniprot: Q9BQ51, ProbeID: 3004−67_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Programmed cell death 1 ligand 2


PD−L2 (Uniprot: Q9BQ51, ProbeID: 3004−67_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (506)
A/G (422)
G/G (68)
rs16923189 (Chr9:5510644)
Locus 152 top sentinel (CIS), p=1.6e−26

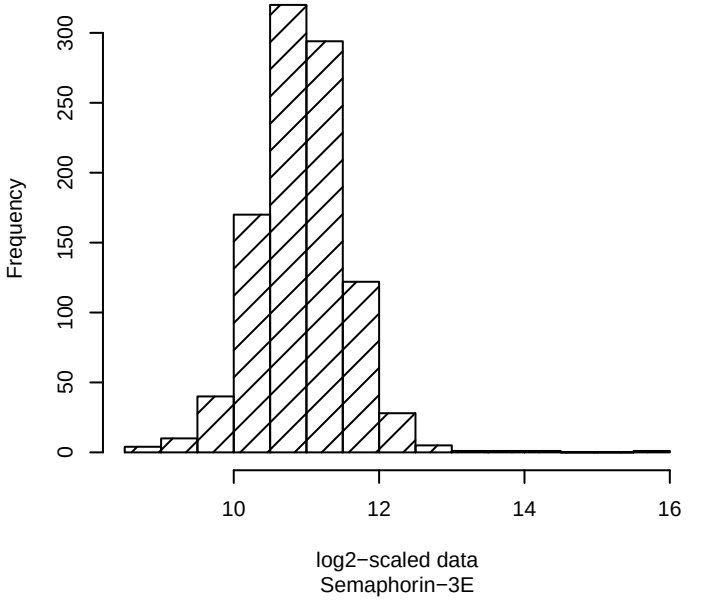
**Semaphorin 3E (Uniprot: O15041, ProbeID: 5363−51_3)**



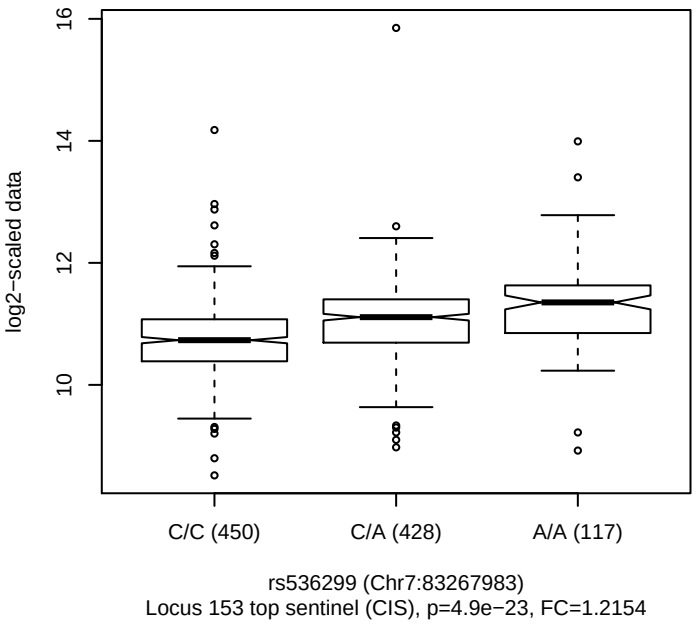

**Semaphorin 3E (Uniprot: O15041, ProbeID: 5363−51_3)**



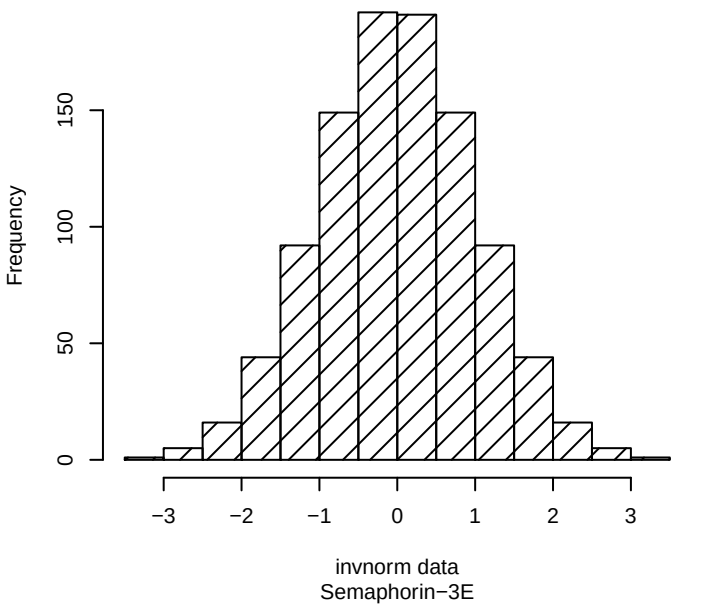

**Semaphorin 3E (Uniprot: O15041, ProbeID: 5363−51_3)**



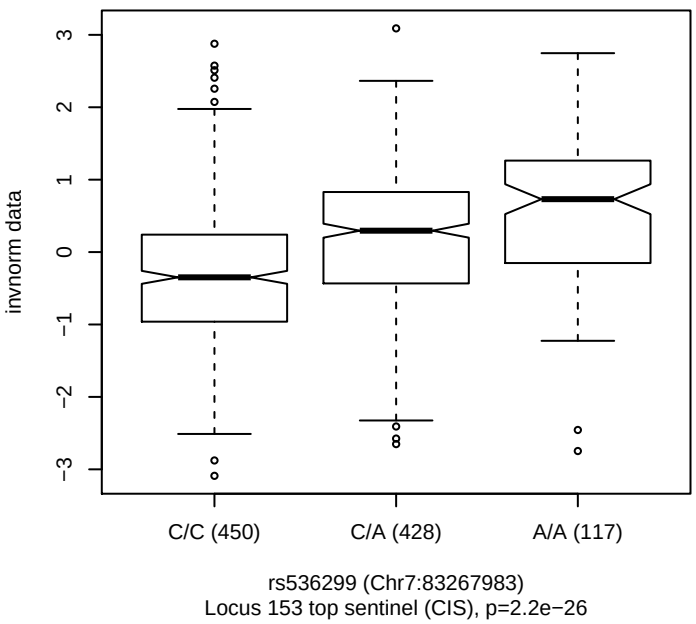

**Semaphorin 3E (Uniprot: O15041, ProbeID: 5363−51_3)**

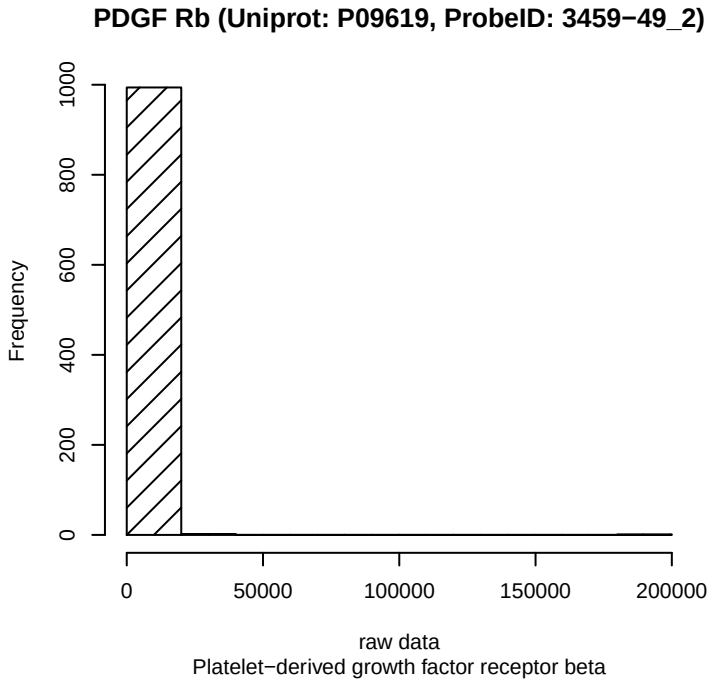


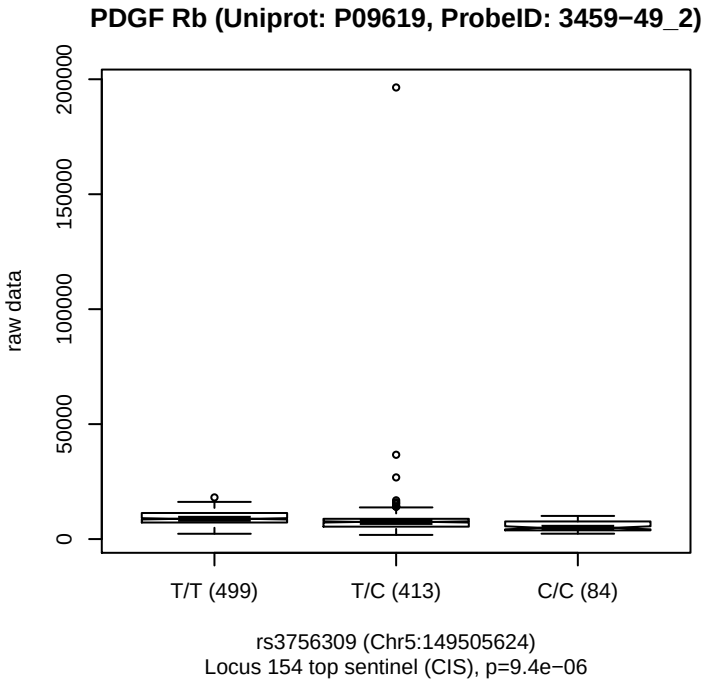

**Semaphorin 3E (Uniprot: O15041, ProbeID: 5363−51_3)**

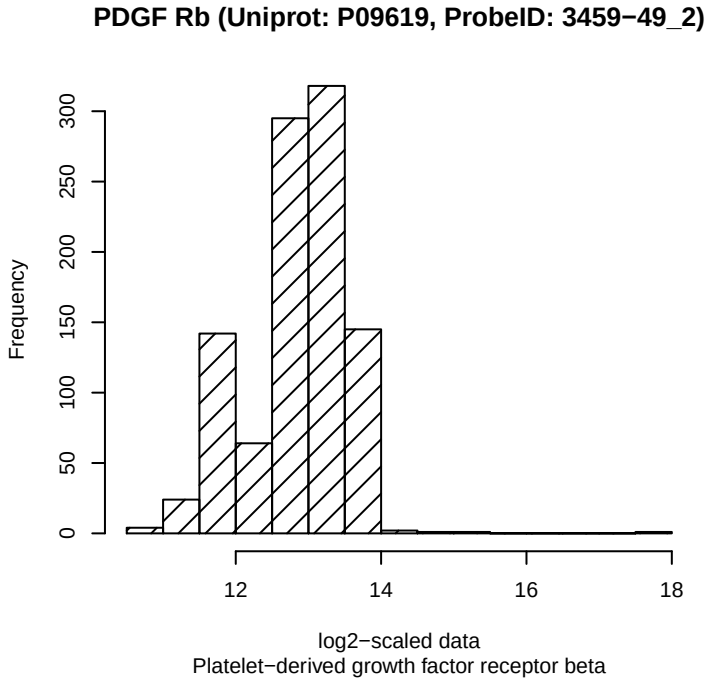


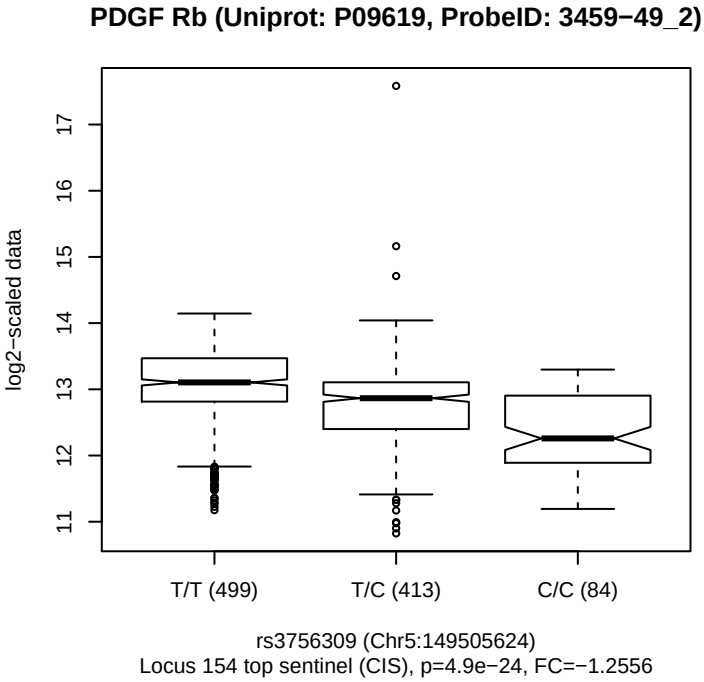

**Semaphorin 3E (Uniprot: O15041, ProbeID: 5363−51_3)**

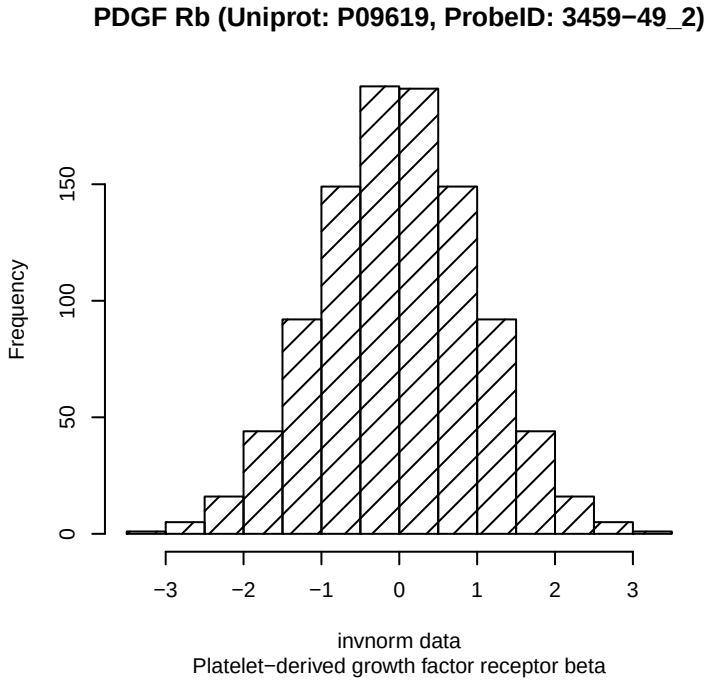


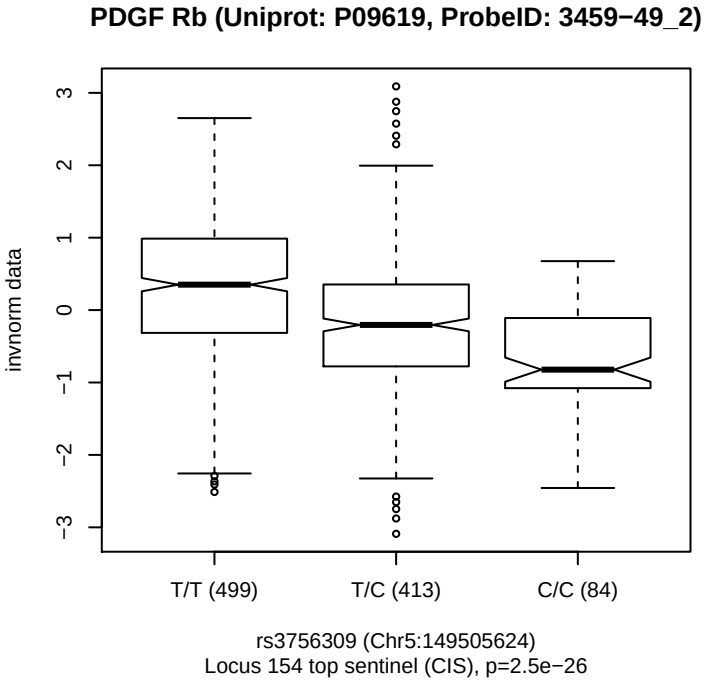

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
Frequency
0
200
400
600
800
1000
0
50000
100000
150000
200000
raw data
Platelet−derived growth factor receptor beta

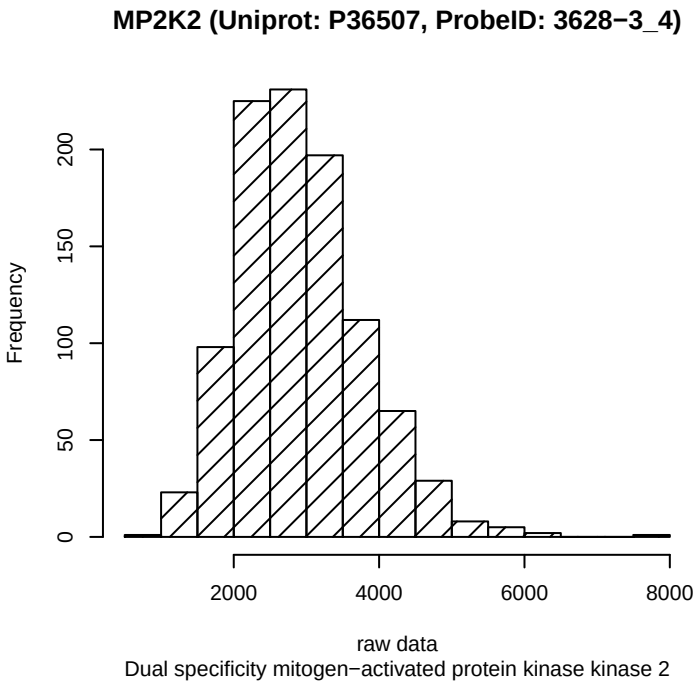

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
raw data
0
50000
100000
150000
200000
T/T (499)
T/C (413)
C/C (84)
rs3756309 (Chr5:149505624)
Locus 154 top sentinel (CIS), p=9.4e−06

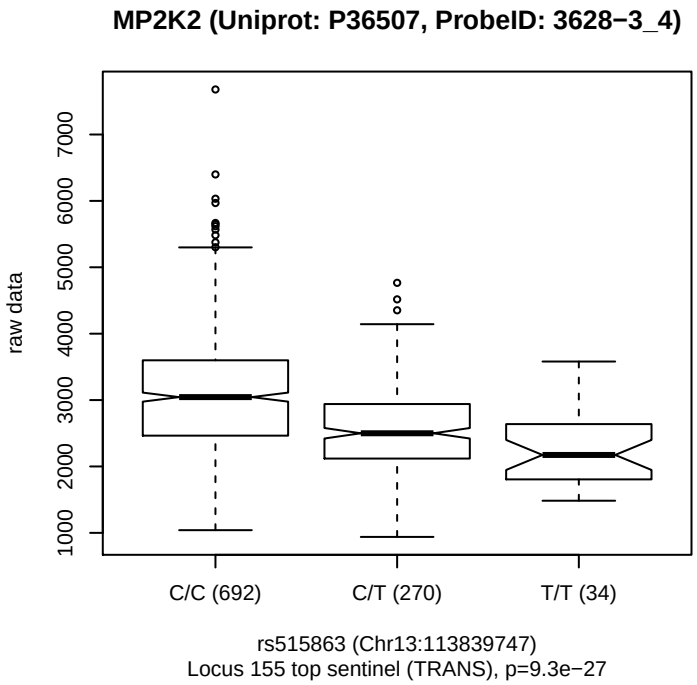

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
Frequency
0
50
100
150
200
250
300
12
14
16
18
log2−scaled data
Platelet−derived growth factor receptor beta

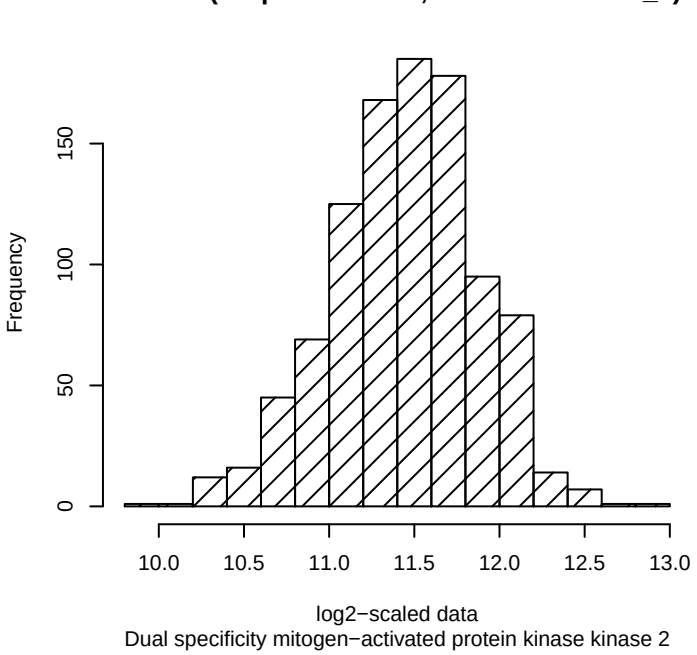

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
log2−scaled data
11
12
13
14
15
16
17
T/T (499)
T/C (413)
C/C (84)
rs3756309 (Chr5:149505624)
Locus 154 top sentinel (CIS), p=4.9e−24, FC=−1.2556

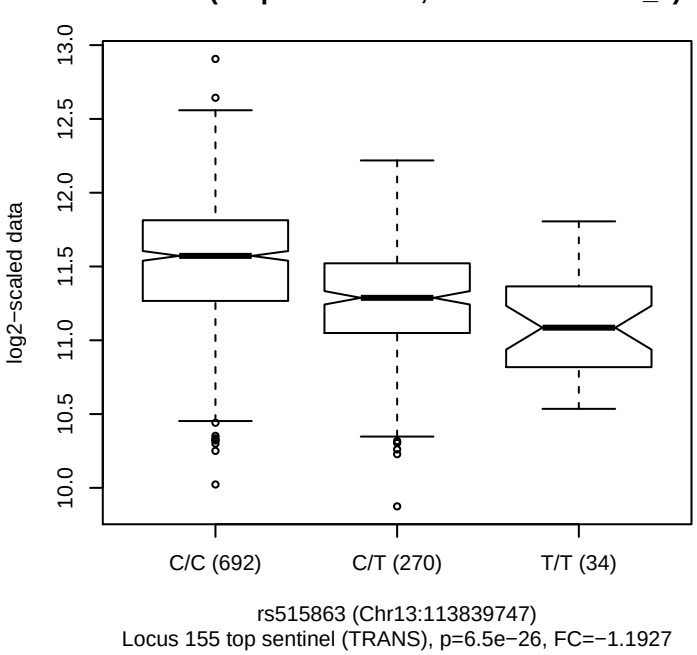

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Platelet−derived growth factor receptor beta

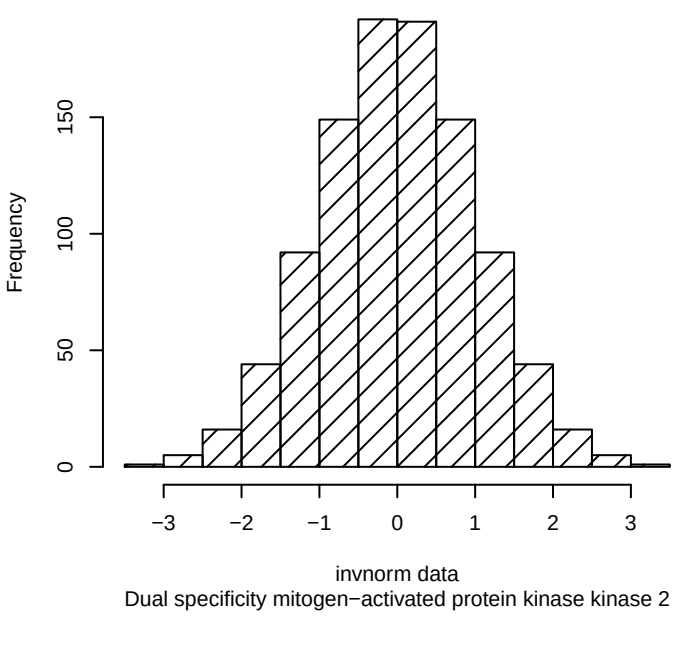

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (499)
T/C (413)
C/C (84)
rs3756309 (Chr5:149505624)
Locus 154 top sentinel (CIS), p=2.5e−26

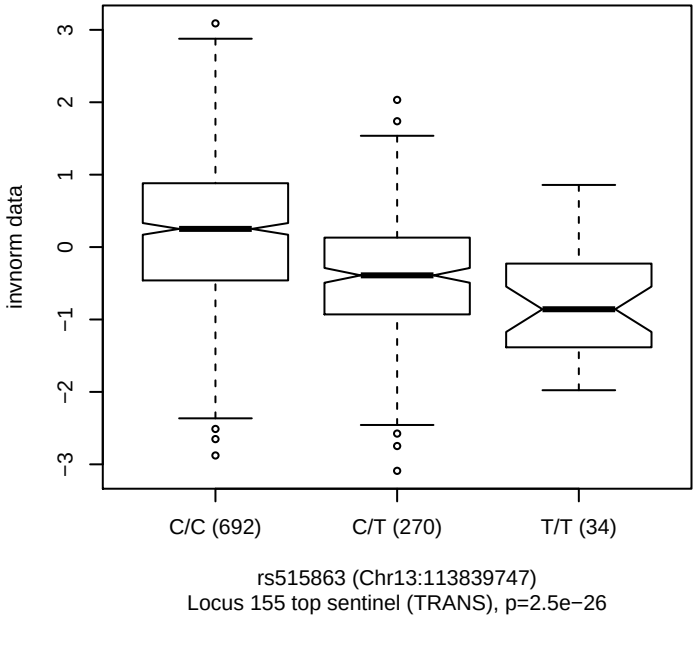

MP2K2 (Uniprot: P36507, ProbeID: 3628−3_4)
Frequency
0
50
100
150
200
2000
4000
6000
8000
raw data
Dual specificity mitogen−activated protein kinase kinase 2

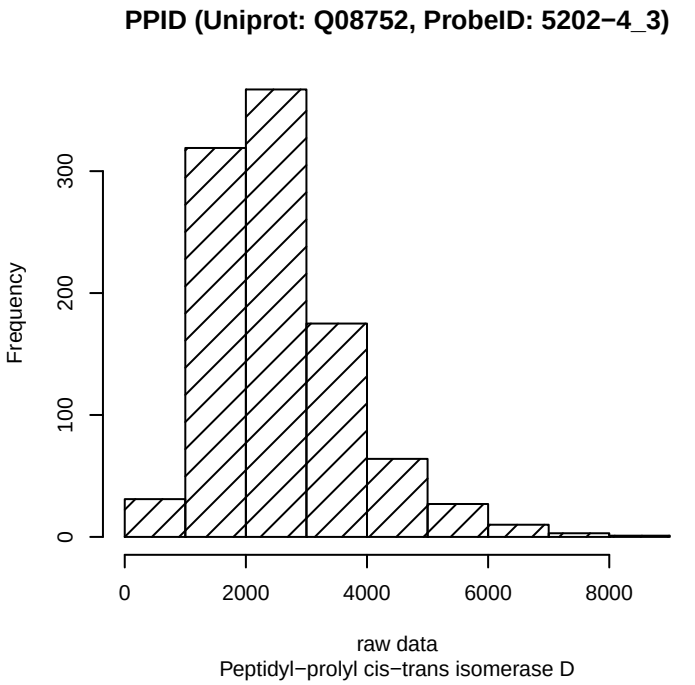

MP2K2 (Uniprot: P36507, ProbeID: 3628−3_4)
raw data
1000
2000
3000
4000
5000
6000
7000
C/C (692)
C/T (270)
T/T (34)
rs515863 (Chr13:113839747)
Locus 155 top sentinel (TRANS), p=9.3e−27

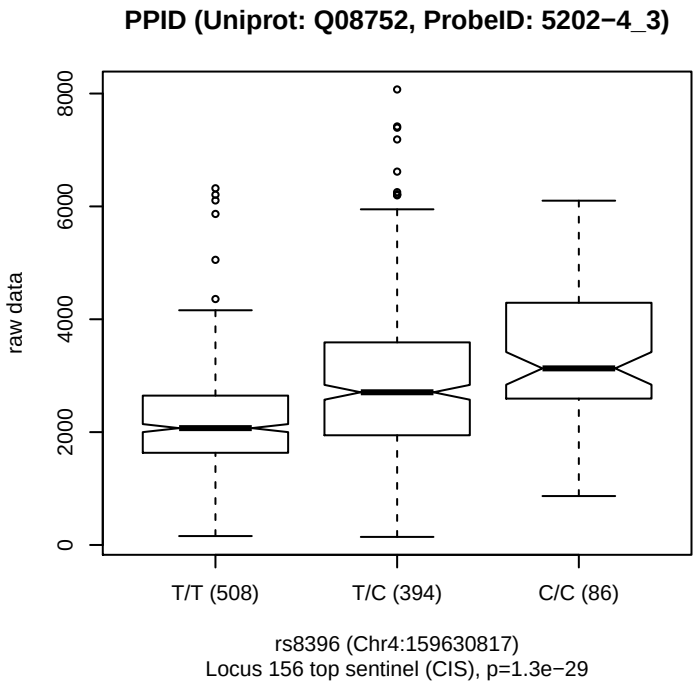

MP2K2 (Uniprot: P36507, ProbeID: 3628−3_4)
Frequency
0
50
100
150
10.0
10.5
11.0
11.5
12.0
12.5
13.0
log2−scaled data
Dual specificity mitogen−activated protein kinase kinase 2

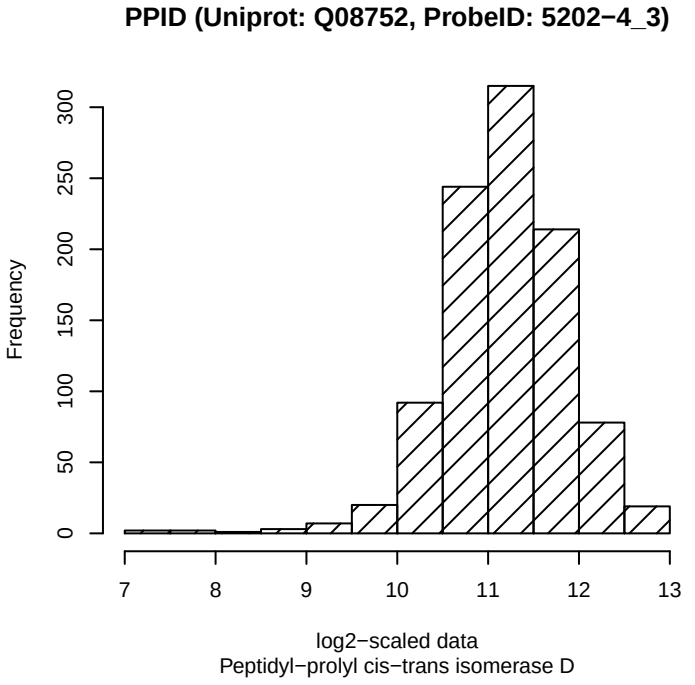

MP2K2 (Uniprot: P36507, ProbeID: 3628−3_4)
log2−scaled data
10.0
10.5
11.0
11.5
12.0
12.5
13.0
C/C (692)
C/T (270)
T/T (34)
rs515863 (Chr13:113839747)
Locus 155 top sentinel (TRANS), p=6.5e−26, FC=−1.1927

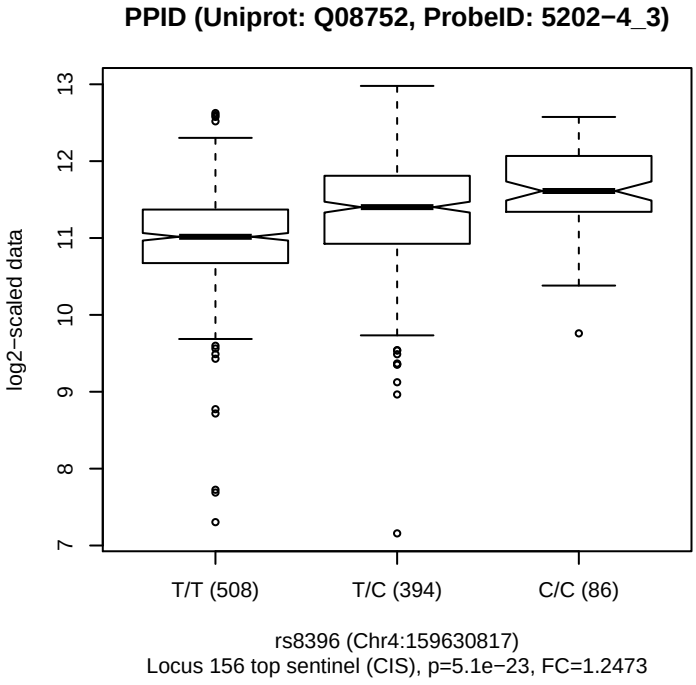

MP2K2 (Uniprot: P36507, ProbeID: 3628−3_4)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Dual specificity mitogen−activated protein kinase kinase 2

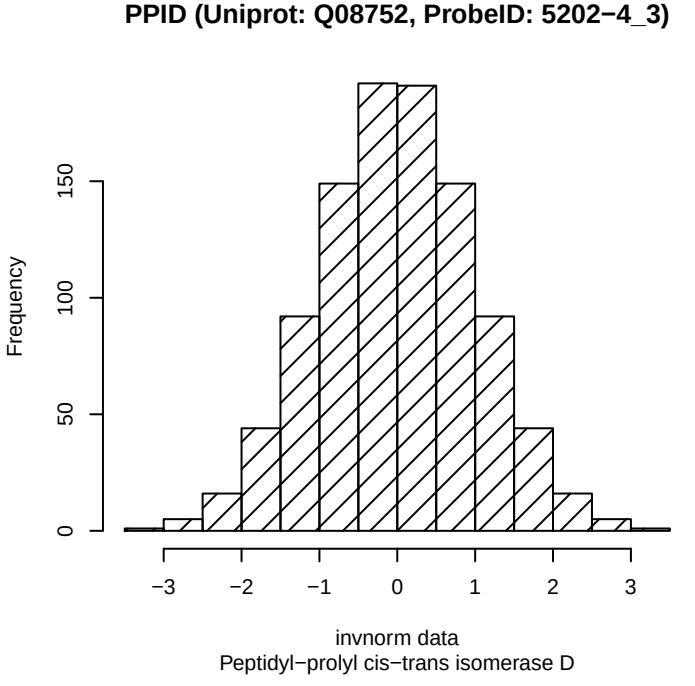

MP2K2 (Uniprot: P36507, ProbeID: 3628−3_4)
invnorm data
−3
−2
−1
0
1
2
3
C/C (692)
C/T (270)
T/T (34)
rs515863 (Chr13:113839747)
Locus 155 top sentinel (TRANS), p=2.5e−26

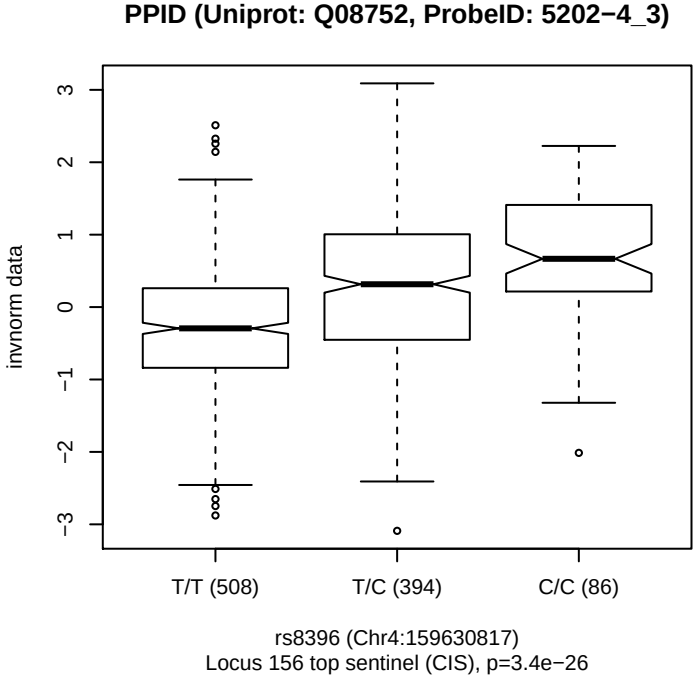

PPID (Uniprot: Q08752, ProbeID: 5202−4_3)
Frequency
0
100
200
300
0
2000
4000
6000
8000
raw data
Peptidyl−prolyl cis−trans isomerase D


PPID (Uniprot: Q08752, ProbeID: 5202−4_3)
raw data
0
2000
4000
6000
8000
T/T (508)
T/C (394)
C/C (86)
rs8396 (Chr4:159630817)
Locus 156 top sentinel (CIS), p=1.3e−29

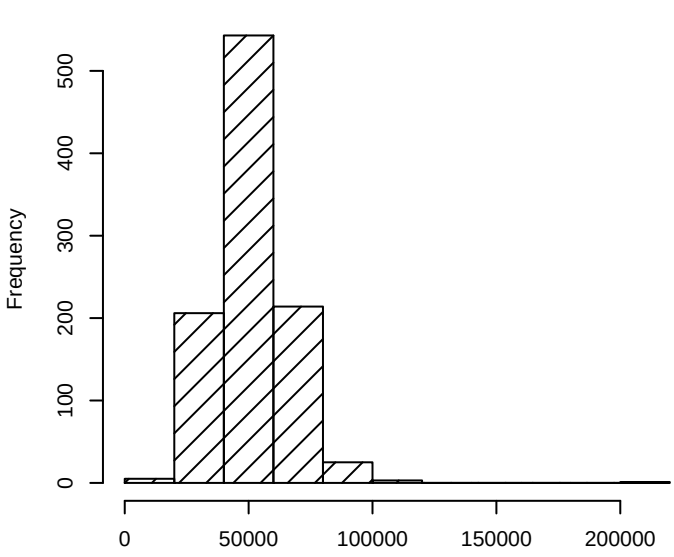

PPID (Uniprot: Q08752, ProbeID: 5202−4_3)
Frequency
0
50
100
150
200
250
300
7
8
9
10
11
12
13
log2−scaled data
Peptidyl−prolyl cis−trans isomerase D

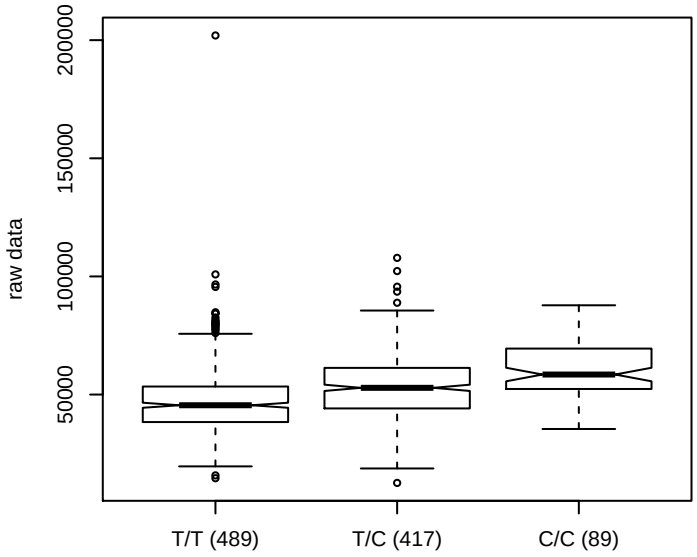

PPID (Uniprot: Q08752, ProbeID: 5202−4_3)
log2−scaled data
7
8
9
10
11
12
13
T/T (508)
T/C (394)
C/C (86)
rs8396 (Chr4:159630817)
Locus 156 top sentinel (CIS), p=5.1e−23, FC=1.2473


PPID (Uniprot: Q08752, ProbeID: 5202−4_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Peptidyl−prolyl cis−trans isomerase D

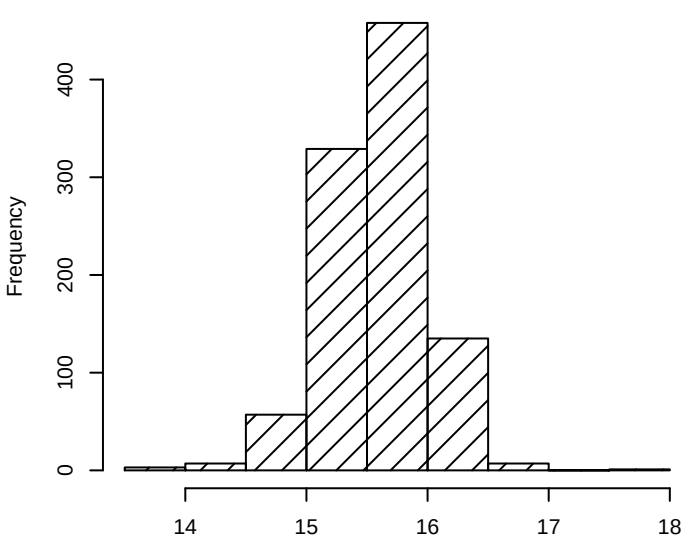

PPID (Uniprot: Q08752, ProbeID: 5202−4_3)
invnorm data
−3
−2
−1
0
1
2
3
T/T (508)
T/C (394)
C/C (86)
rs8396 (Chr4:159630817)
Locus 156 top sentinel (CIS), p=3.4e−26

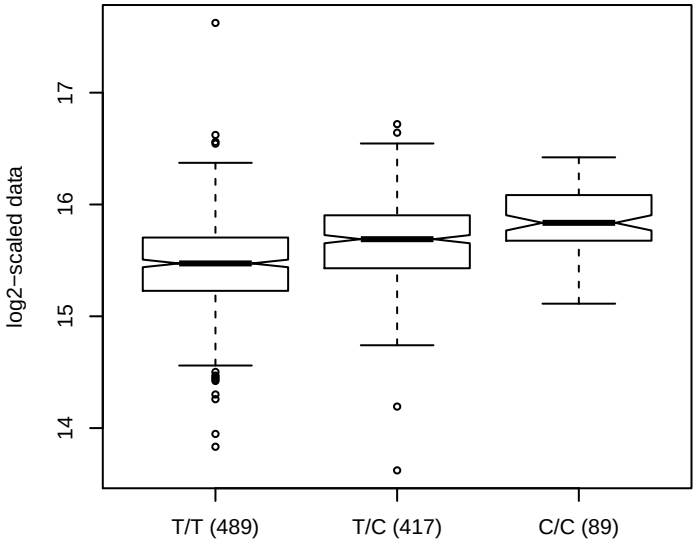
**kaline phosphatase, bone (Uniprot: P05186, ProbeID: 2795-kaline phosphatase, bone (Uniprot: P05186, ProbeID: 2795-**



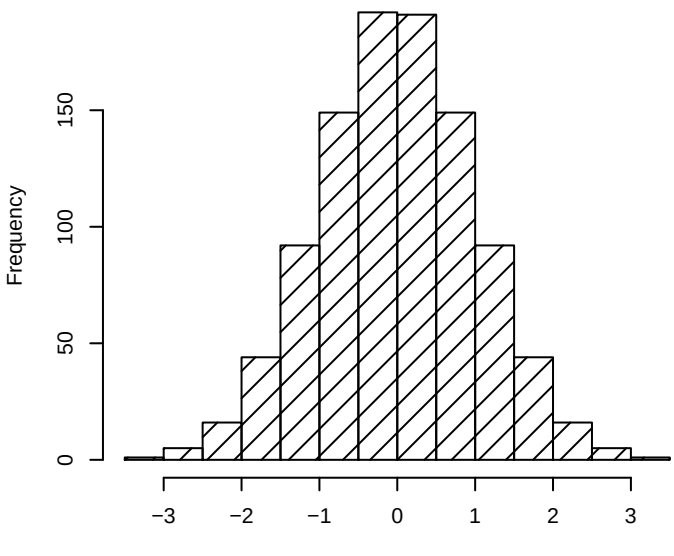



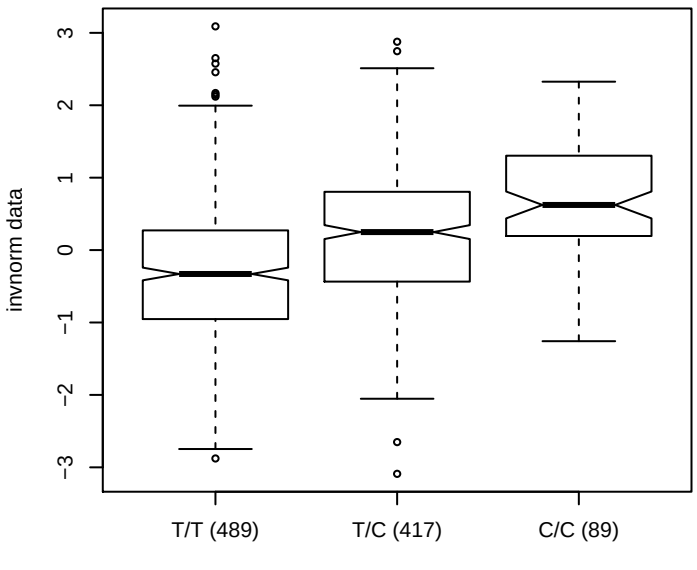

**kaline phosphatase, bone (Uniprot: P05186, ProbeID: 2795-kaline phosphatase, bone (Uniprot: P05186, ProbeID: 2795-**

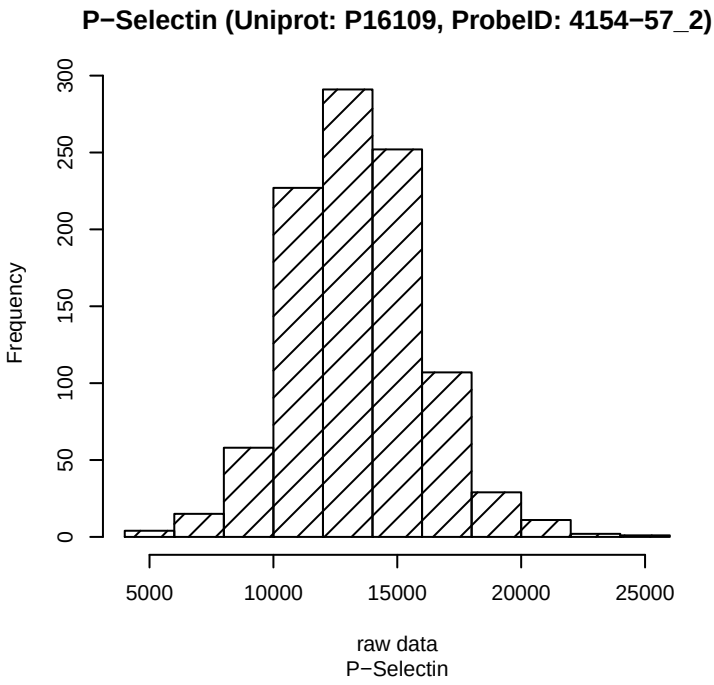


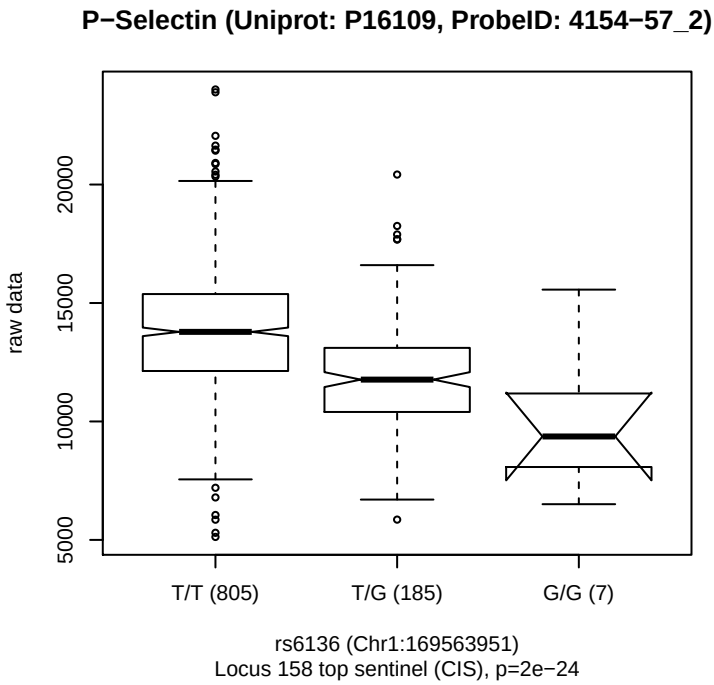



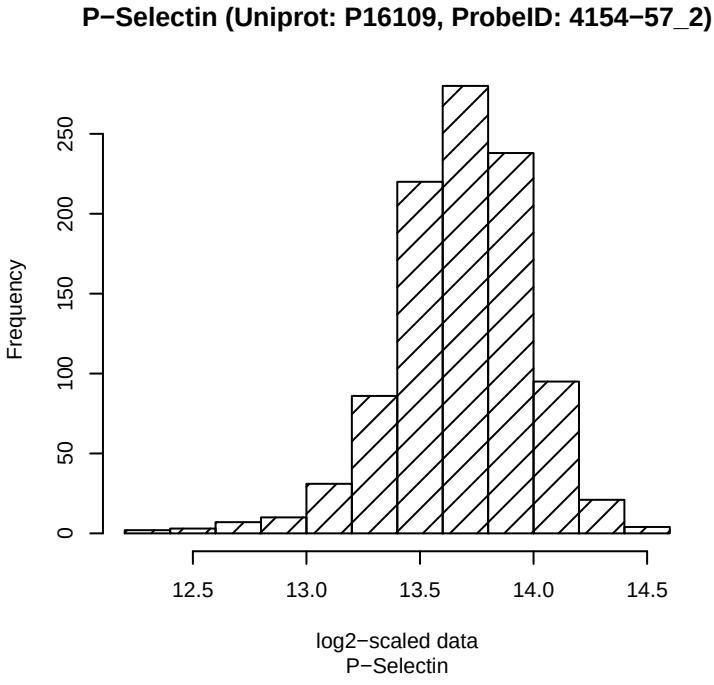

**kaline phosphatase, bone (Uniprot: P05186, ProbeID: 2795-kaline phosphatase, bone (Uniprot: P05186, ProbeID: 2795-**

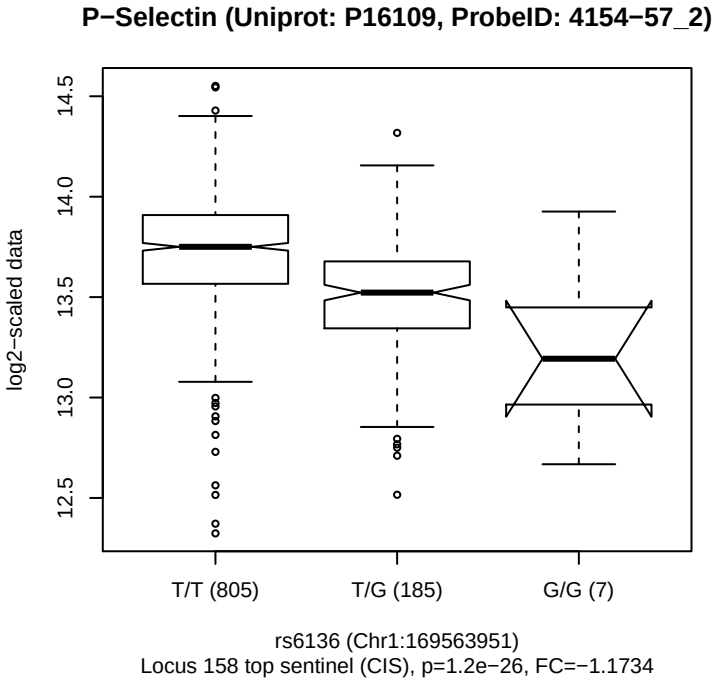


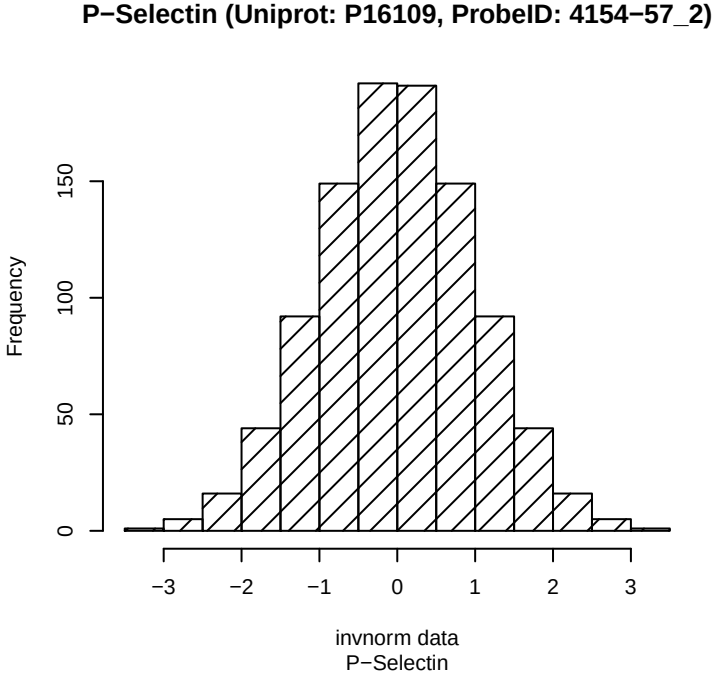



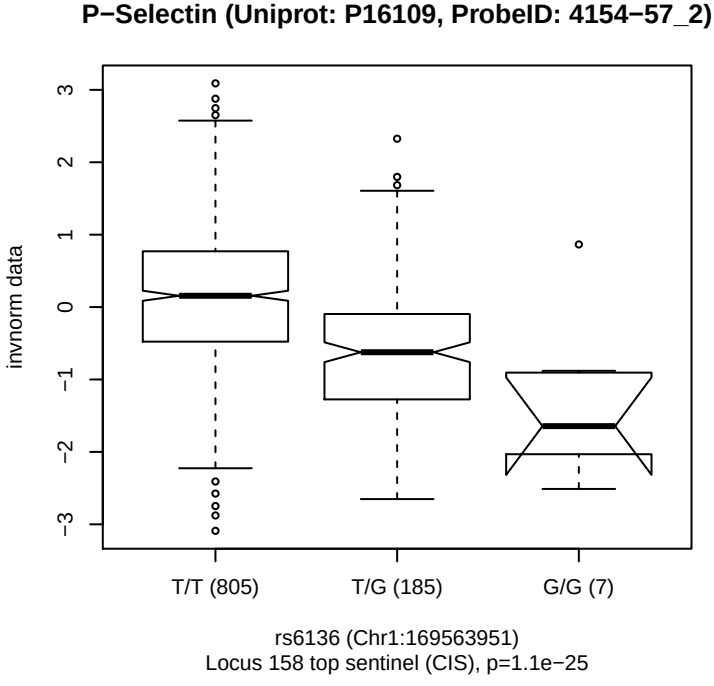

P−Selectin (Uniprot: P16109, ProbeID: 4154−57_2)
Frequency
0
50
100
150
200
250
300
5000
10000
15000
20000
25000
raw data
P−Selectin


P−Selectin (Uniprot: P16109, ProbeID: 4154−57_2)
raw data
5000
10000
15000
20000
T/T (805)
T/G (185)
G/G (7)
rs6136 (Chr1:169563951)
Locus 158 top sentinel (CIS), p=2e−24

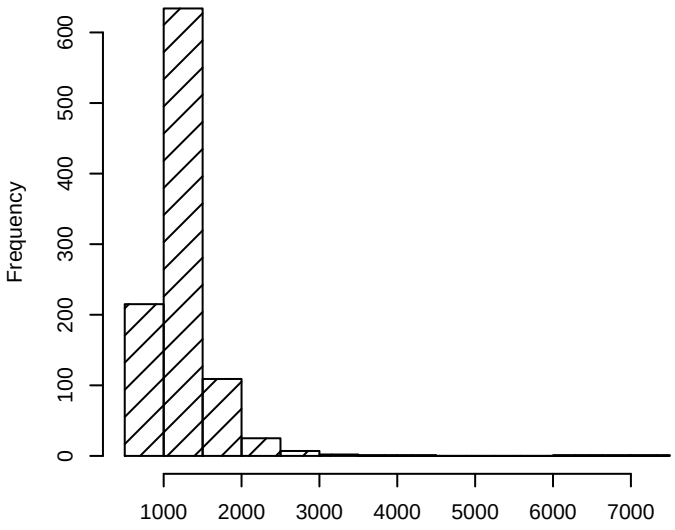

P−Selectin (Uniprot: P16109, ProbeID: 4154−57_2)
Frequency
0
50
100
150
200
250
12.5
13.0
13.5
14.0
14.5
log2−scaled data
P−Selectin


P−Selectin (Uniprot: P16109, ProbeID: 4154−57_2)
log2−scaled data
12.5
13.0
13.5
14.0
14.5
T/T (805)
T/G (185)
G/G (7)
rs6136 (Chr1:169563951)
Locus 158 top sentinel (CIS), p=1.2e−26, FC=−1.1734

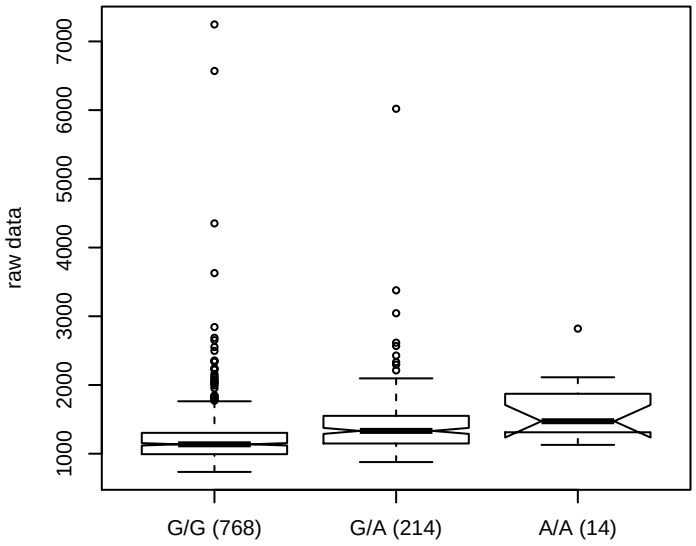

P−Selectin (Uniprot: P16109, ProbeID: 4154−57_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
P−Selectin


P−Selectin (Uniprot: P16109, ProbeID: 4154−57_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (805)
T/G (185)
G/G (7)
rs6136 (Chr1:169563951)
Locus 158 top sentinel (CIS), p=1.1e−25

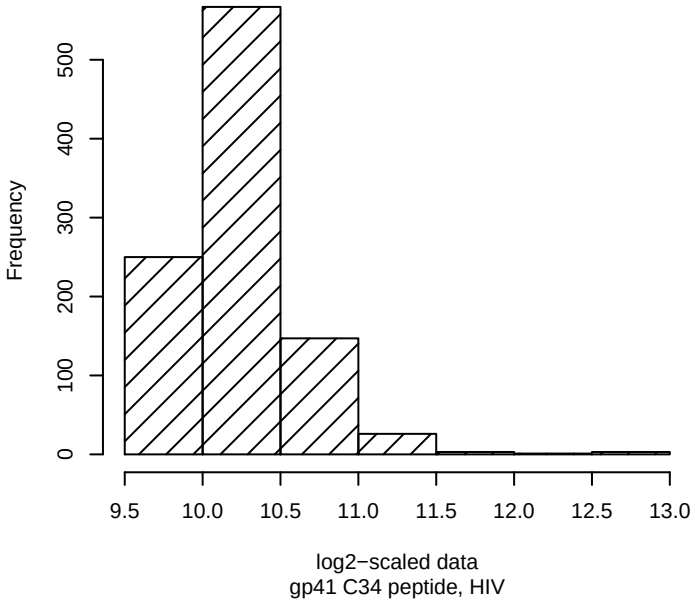
**C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5**



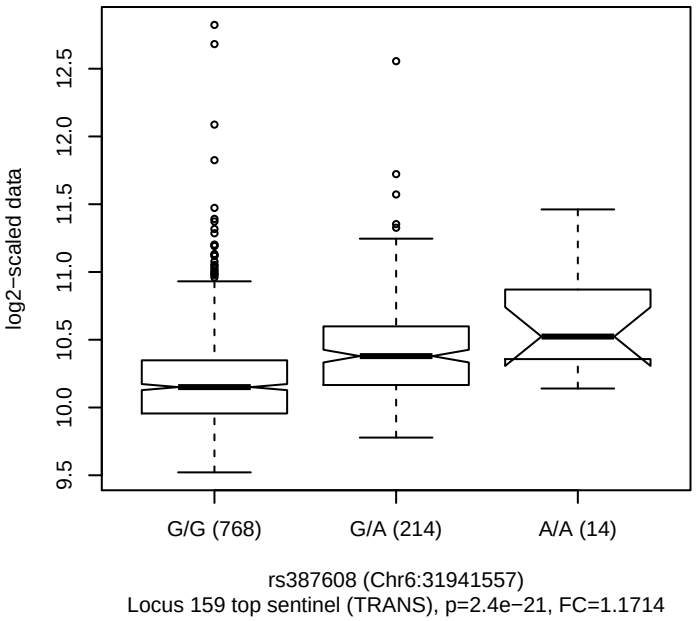

**C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5**



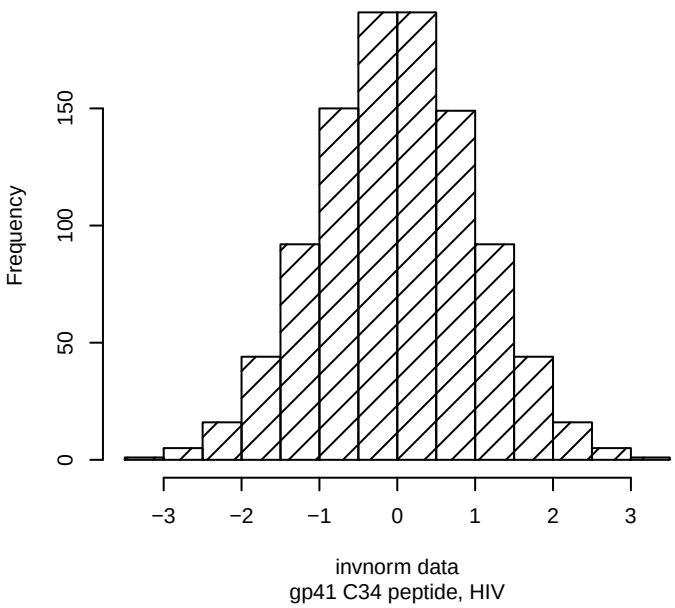

**C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5**



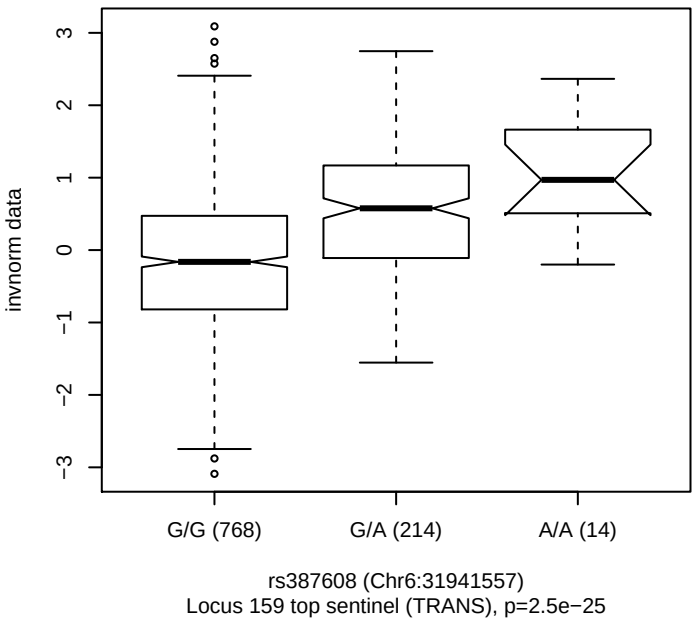

**C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5**

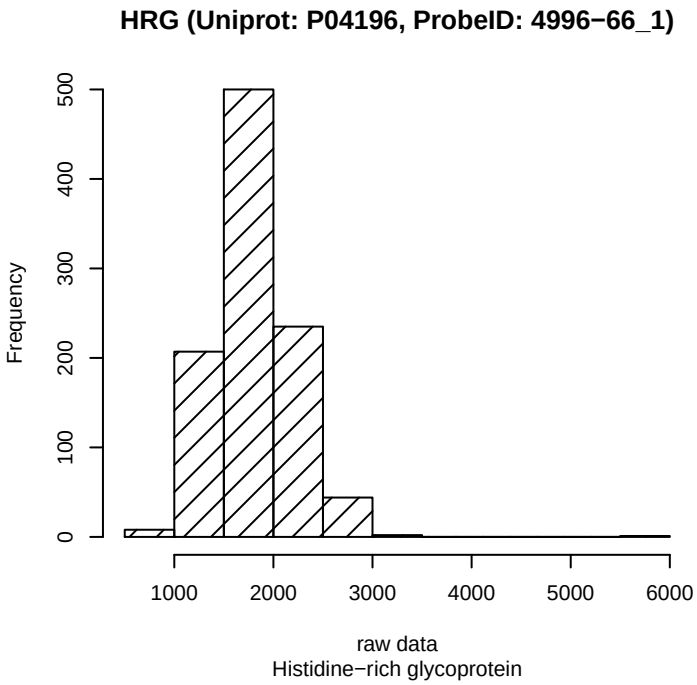


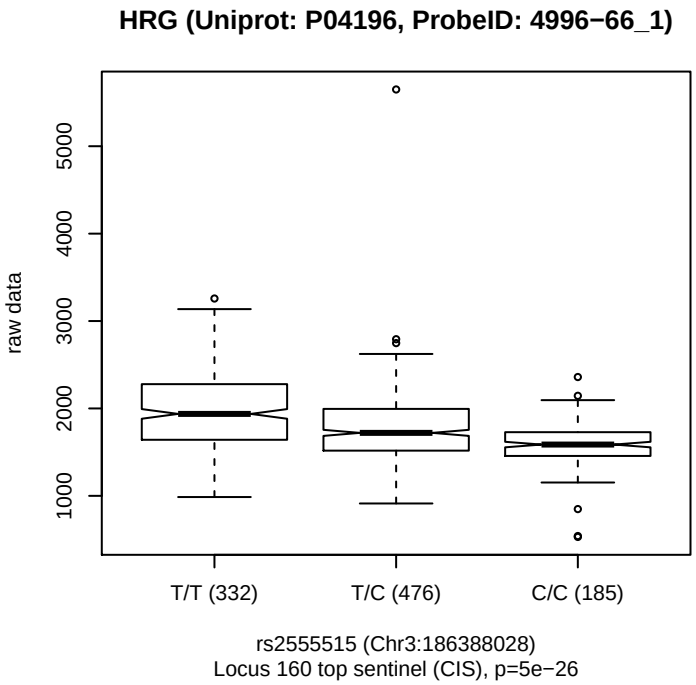

**C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5**

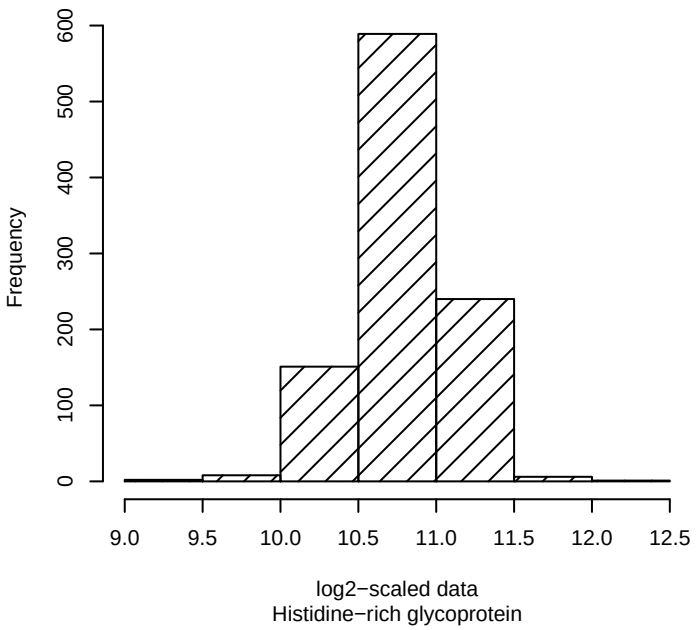


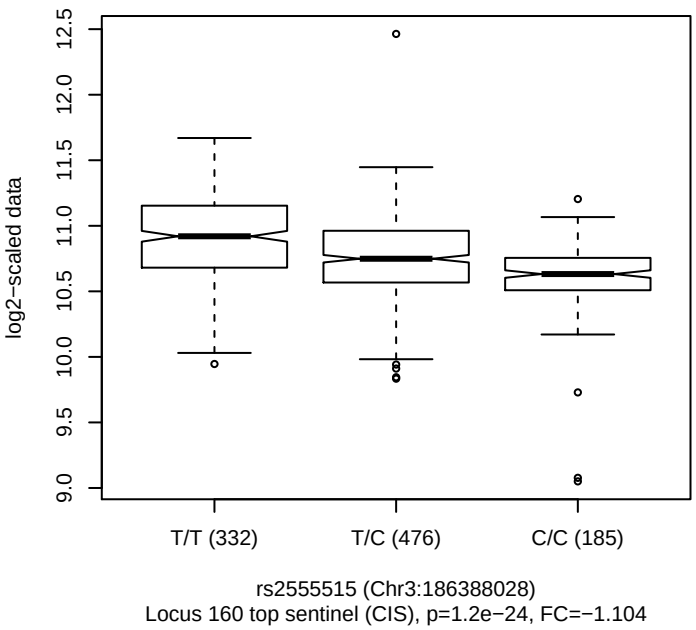

**C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5**

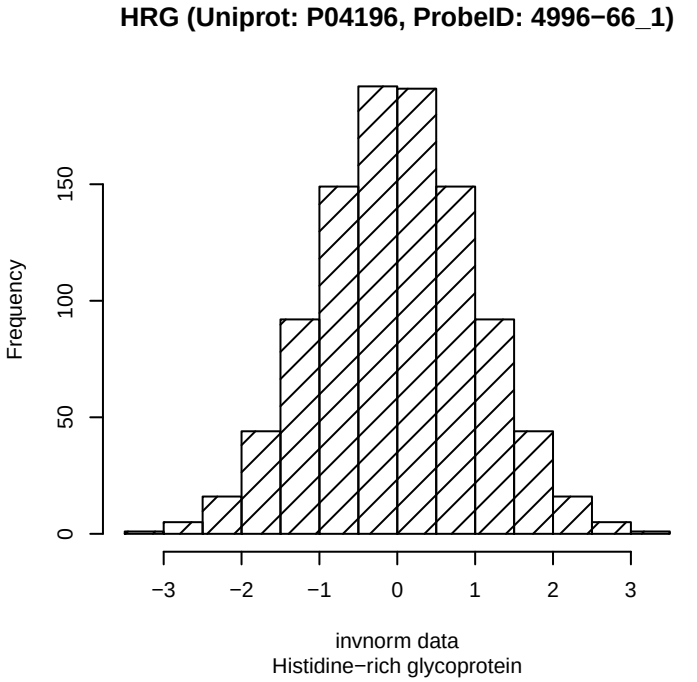


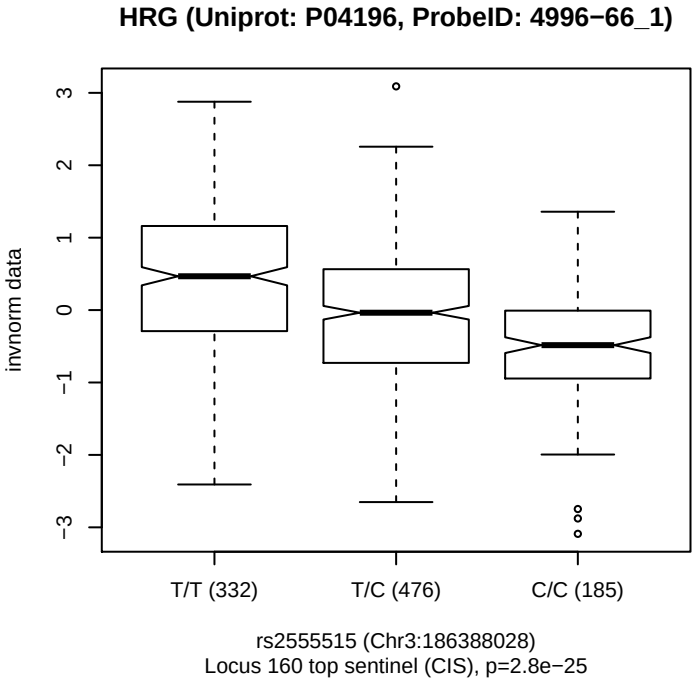

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
Frequency
0
100
200
300
400
500
1000
2000
3000
4000
5000
6000
raw data
Histidine−rich glycoprotein

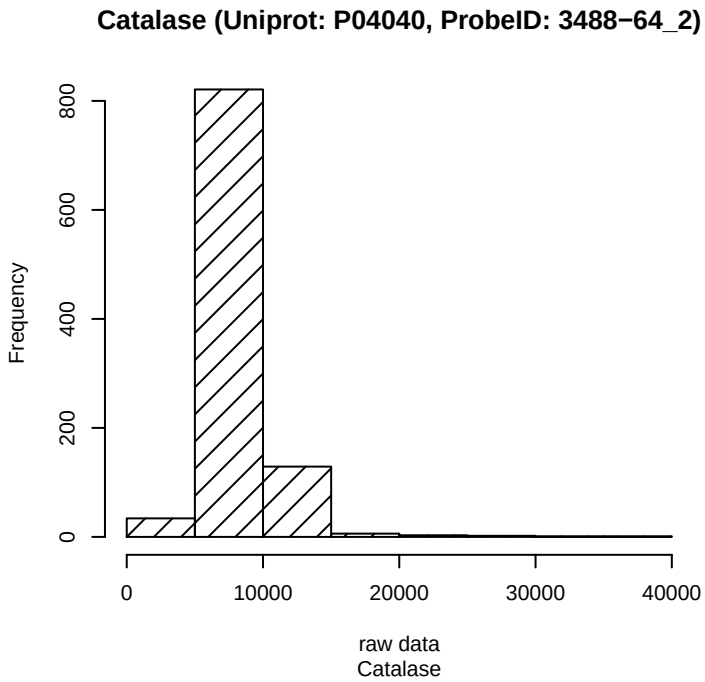

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
raw data
1000
2000
3000
4000
5000
T/T (332)
T/C (476)
C/C (185)
rs2555515 (Chr3:186388028)
Locus 160 top sentinel (CIS), p=5e−26

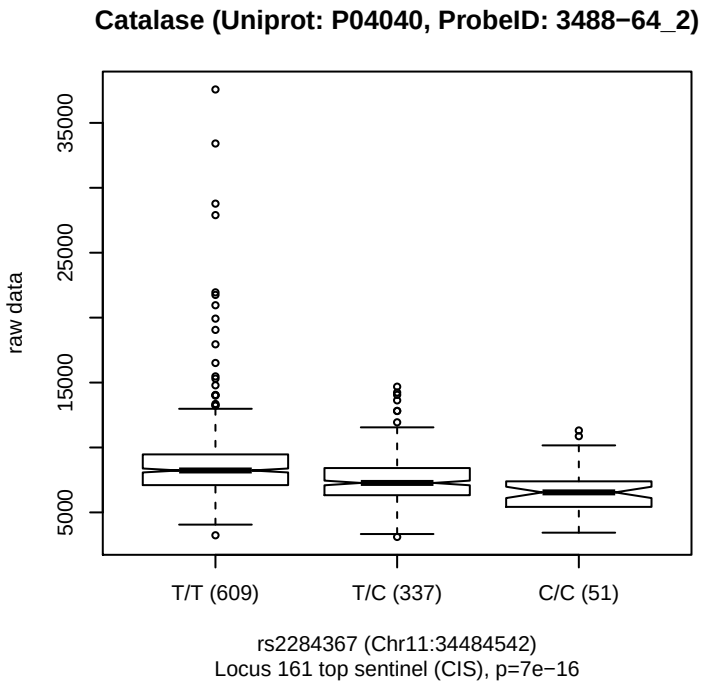

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
Frequency
0
100
200
300
400
500
600
9.0
9.5
10.0
10.5
11.0
11.5
12.0
12.5
log2−scaled data
Histidine−rich glycoprotein

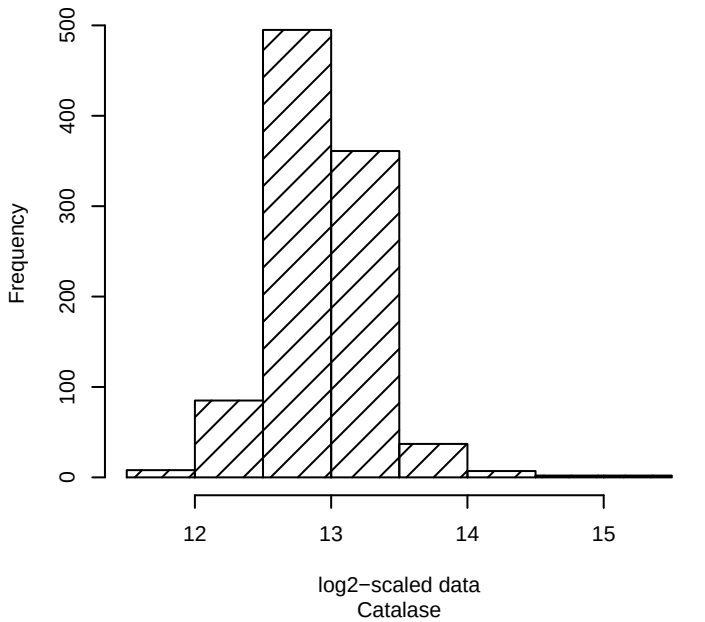

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
log2−scaled data
9.0
9.5
10.0
10.5
11.0
11.5
12.0
12.5
T/T (332)
T/C (476)
C/C (185)
rs2555515 (Chr3:186388028)
Locus 160 top sentinel (CIS), p=1.2e−24, FC=−1.104

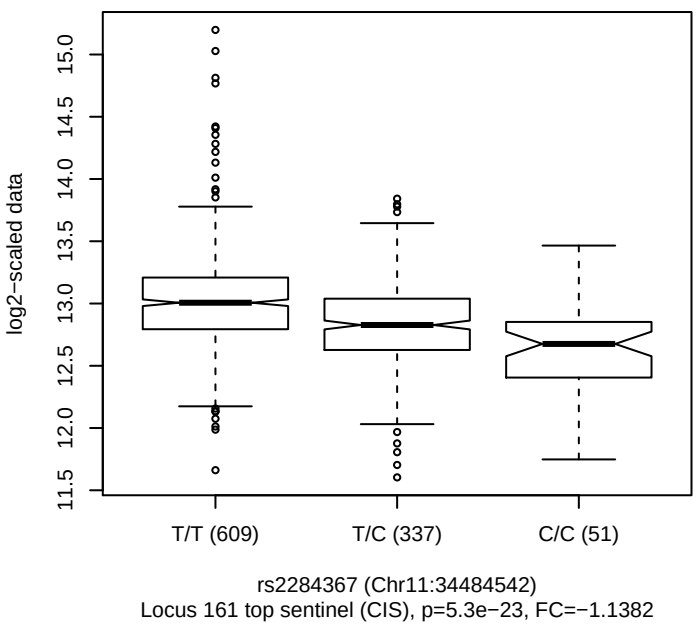

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Histidine−rich glycoprotein

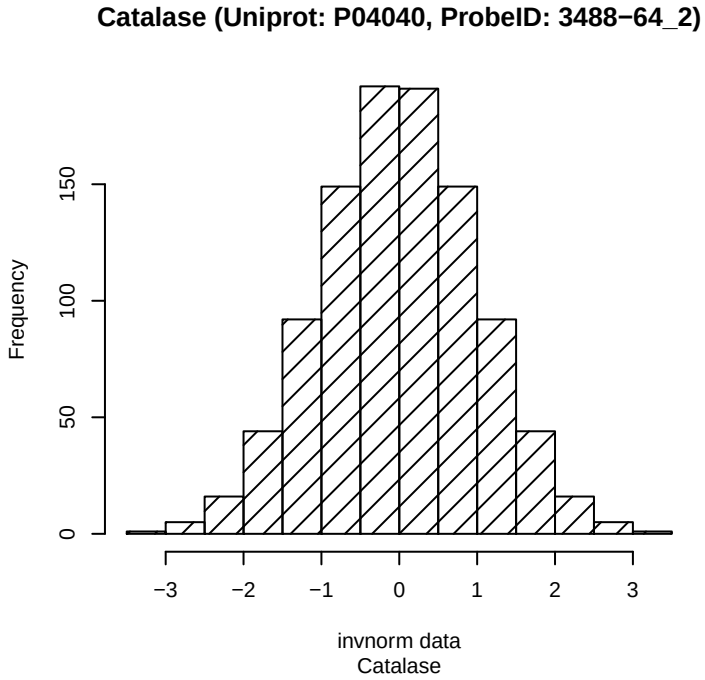

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
invnorm data
−3
−2
−1
0
1
2
3
T/T (332)
T/C (476)
C/C (185)
rs2555515 (Chr3:186388028)
Locus 160 top sentinel (CIS), p=2.8e−25

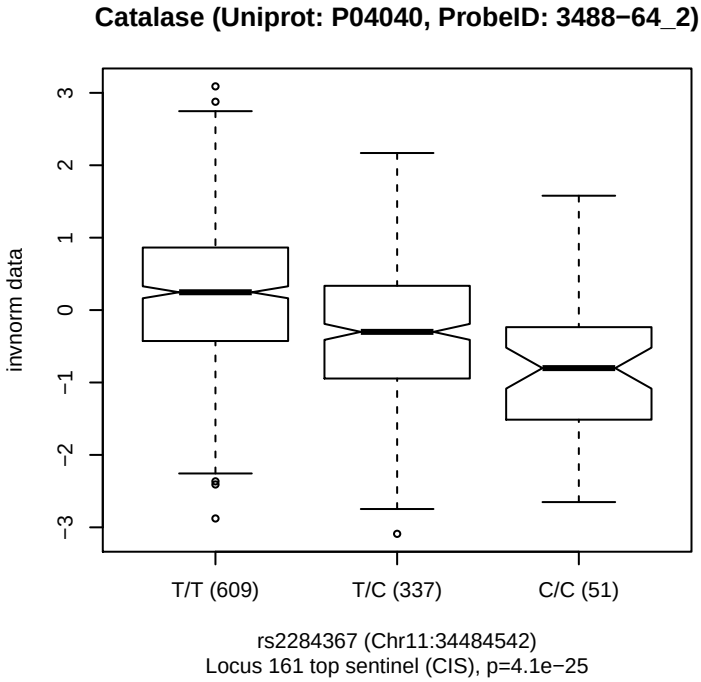

Catalase (Uniprot: P04040, ProbeID: 3488−64_2)
Frequency
0
200
400
600
800
0
10000
20000
30000
40000
raw data
Catalase

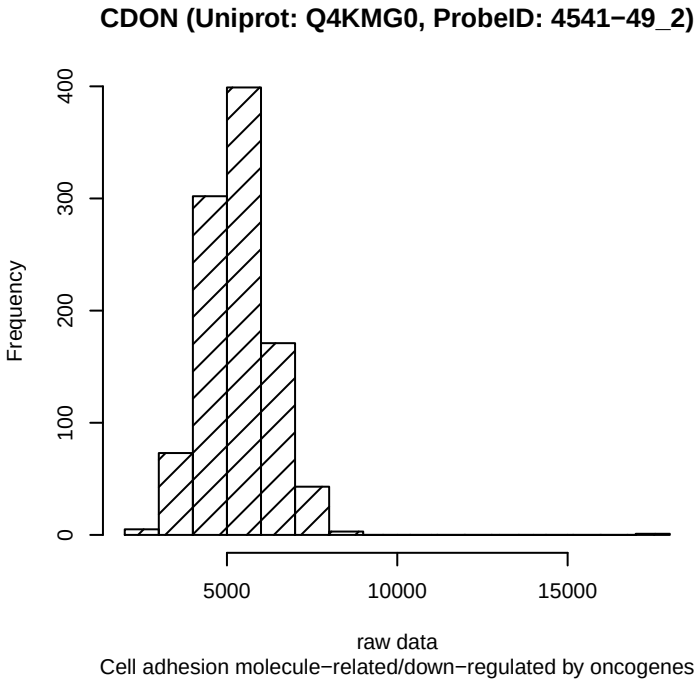

Catalase (Uniprot: P04040, ProbeID: 3488−64_2)
raw data
5000
15000
25000
35000
T/T (609)
T/C (337)
C/C (51)
rs2284367 (Chr11:34484542)
Locus 161 top sentinel (CIS), p=7e−16

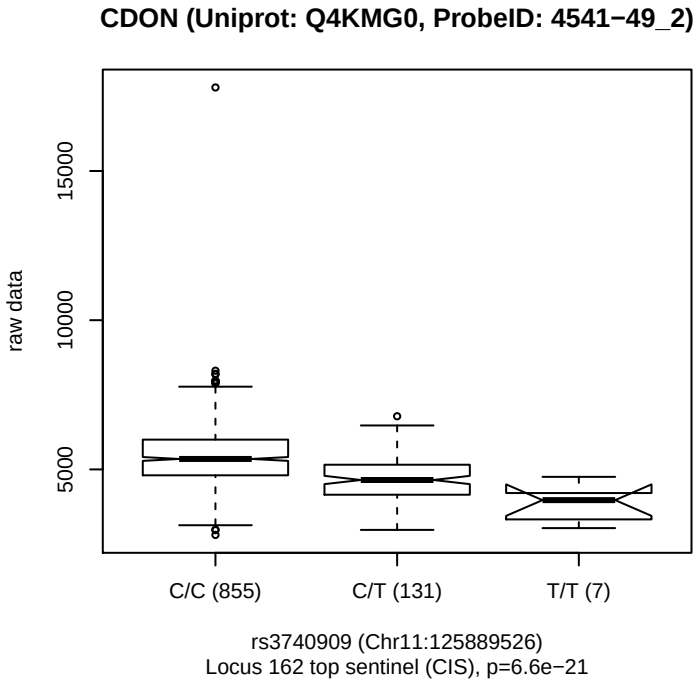

Catalase (Uniprot: P04040, ProbeID: 3488−64_2)
Frequency
0
100
200
300
400
500
12
13
14
15
log2−scaled data
Catalase

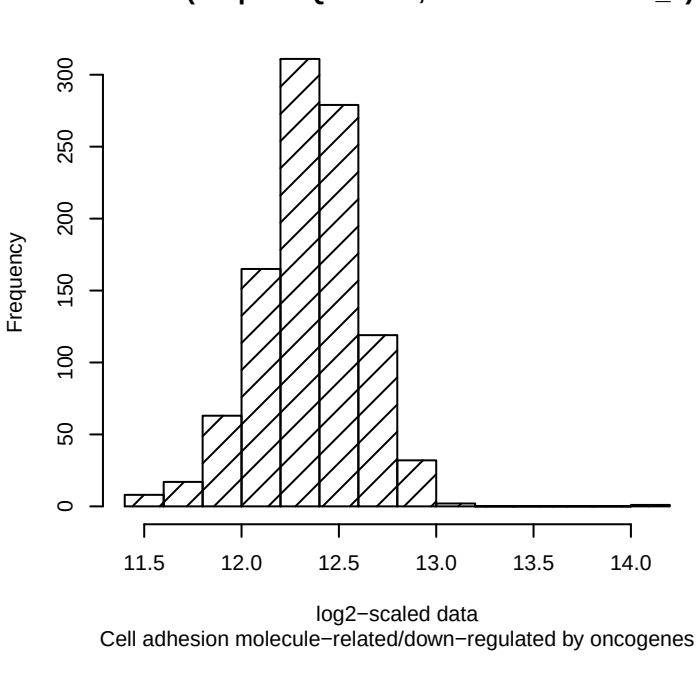

Catalase (Uniprot: P04040, ProbeID: 3488−64_2)
log2−scaled data
11.5
12.0
12.5
13.0
13.5
14.0
14.5
15.0
T/T (609)
T/C (337)
C/C (51)
rs2284367 (Chr11:34484542)
Locus 161 top sentinel (CIS), p=5.3e−23, FC=−1.1382

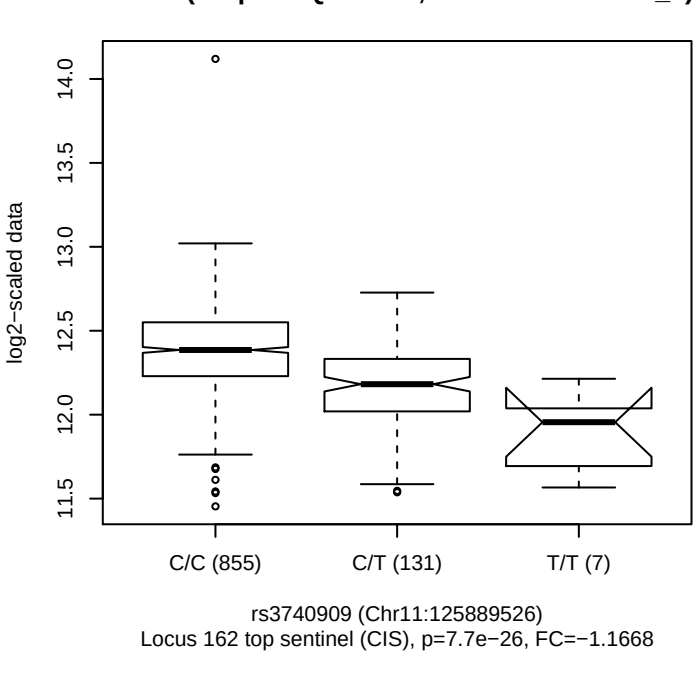

Catalase (Uniprot: P04040, ProbeID: 3488−64_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Catalase

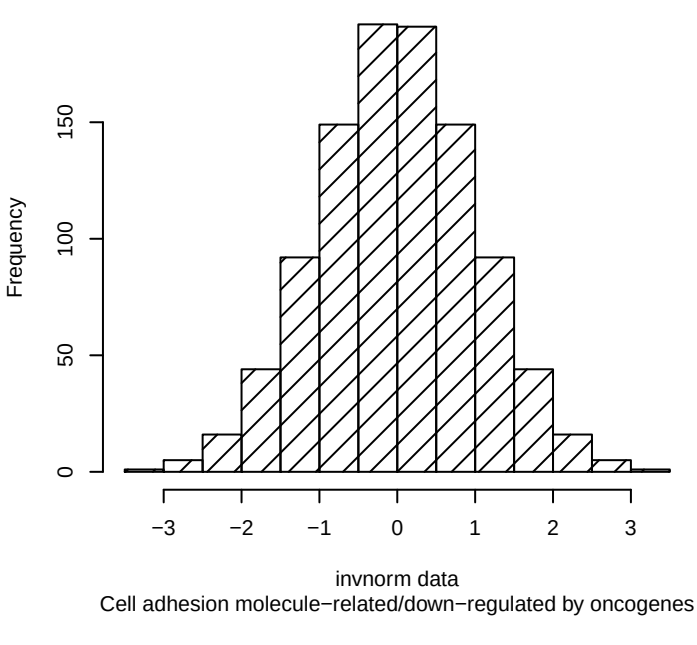

Catalase (Uniprot: P04040, ProbeID: 3488−64_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (609)
T/C (337)
C/C (51)
rs2284367 (Chr11:34484542)
Locus 161 top sentinel (CIS), p=4.1e−25

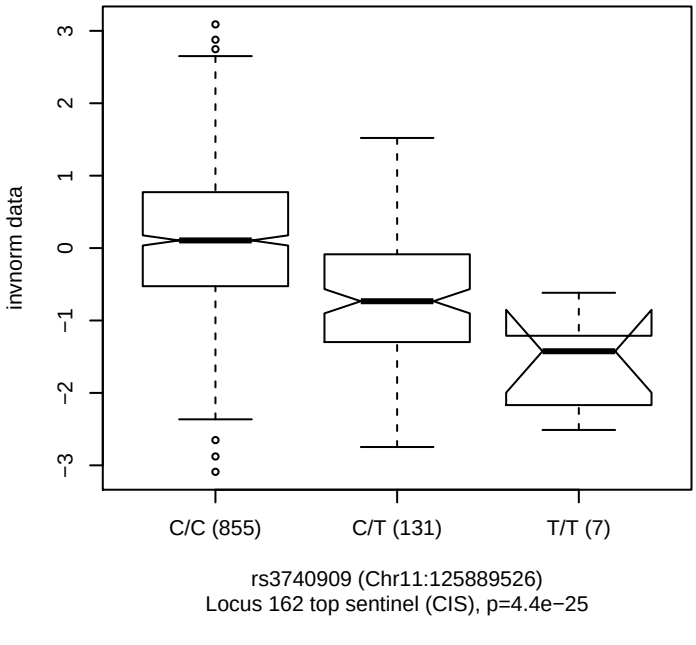

CDON (Uniprot: Q4KMG0, ProbeID: 4541−49_2)
Frequency
0
100
200
300
400
5000
10000
15000
raw data
Cell adhesion molecule−related/down−regulated by oncogenes

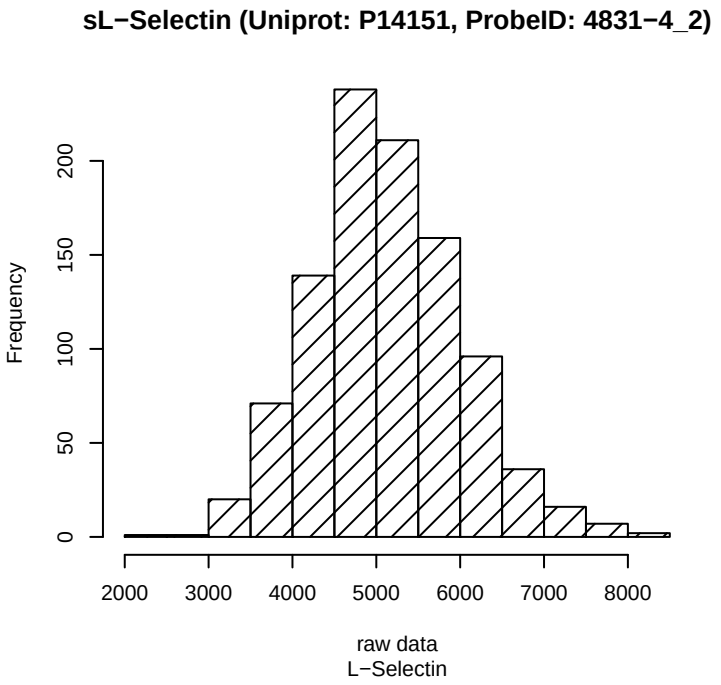

CDON (Uniprot: Q4KMG0, ProbeID: 4541−49_2)
raw data
5000
10000
15000
C/C (855)
C/T (131)
T/T (7)
rs3740909 (Chr11:125889526)
Locus 162 top sentinel (CIS), p=6.6e−21

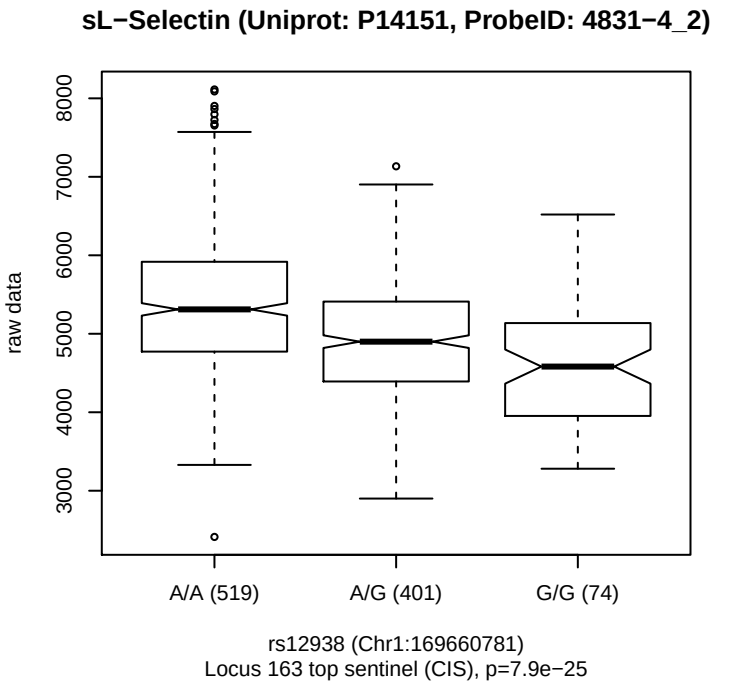

CDON (Uniprot: Q4KMG0, ProbeID: 4541−49_2)
Frequency
0
50
100
150
200
250
300
11.5
12.0
12.5
13.0
13.5
14.0
log2−scaled data
Cell adhesion molecule−related/down−regulated by oncogenes

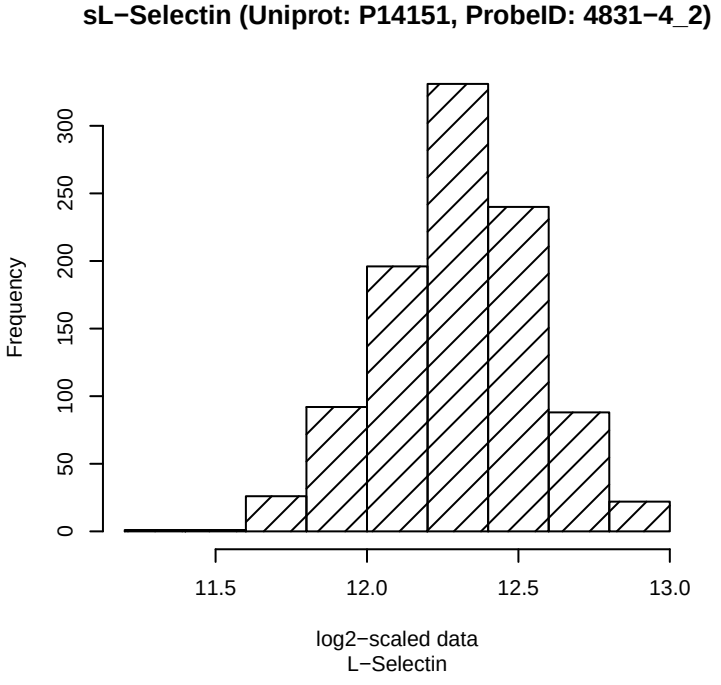

CDON (Uniprot: Q4KMG0, ProbeID: 4541−49_2)
log2−scaled data
11.5
12.0
12.5
13.0
13.5
14.0
C/C (855)
C/T (131)
T/T (7)
rs3740909 (Chr11:125889526)
Locus 162 top sentinel (CIS), p=7.7e−26, FC=−1.1668

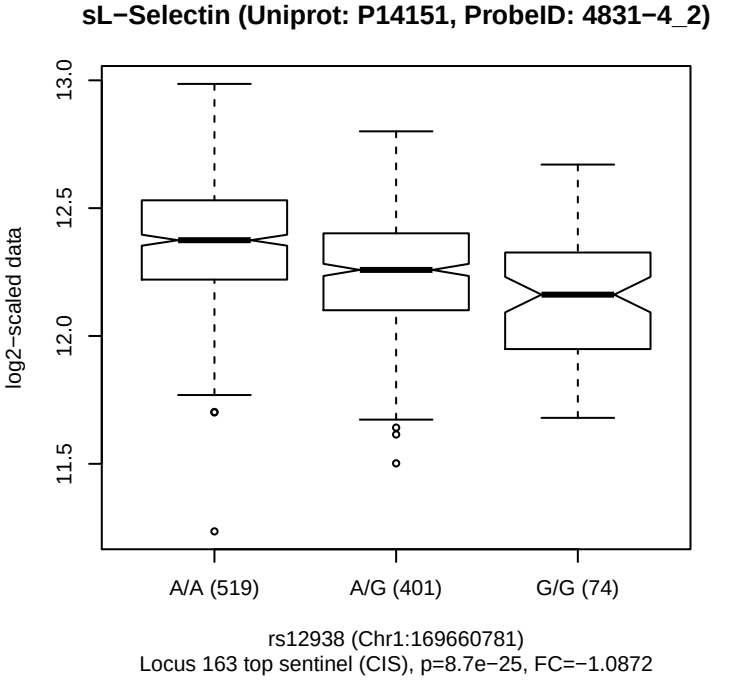

CDON (Uniprot: Q4KMG0, ProbeID: 4541−49_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Cell adhesion molecule−related/down−regulated by oncogenes

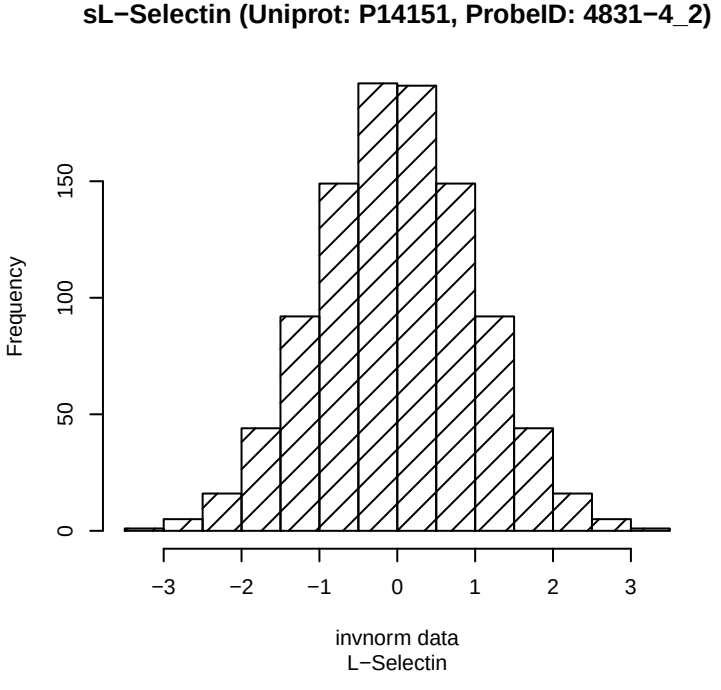

CDON (Uniprot: Q4KMG0, ProbeID: 4541−49_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (855)
C/T (131)
T/T (7)
rs3740909 (Chr11:125889526)
Locus 162 top sentinel (CIS), p=4.4e−25

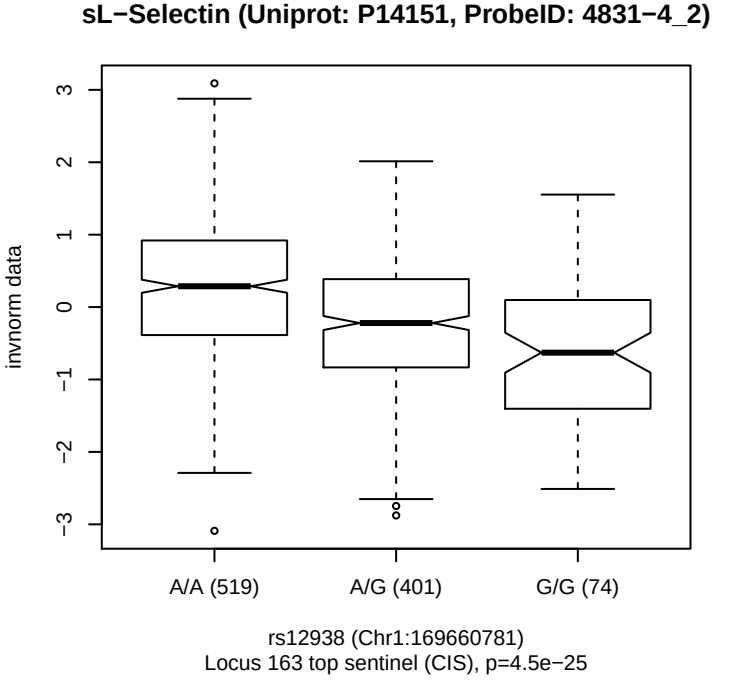

sL−Selectin (Uniprot: P14151, ProbeID: 4831−4_2)
Frequency
0
50
100
150
200
2000
3000
4000
5000
6000
7000
8000
raw data
L−Selectin


sL−Selectin (Uniprot: P14151, ProbeID: 4831−4_2)
raw data
3000
4000
5000
6000
7000
8000
A/A (519)
A/G (401)
G/G (74)
rs12938 (Chr1:169660781)
Locus 163 top sentinel (CIS), p=7.9e−25

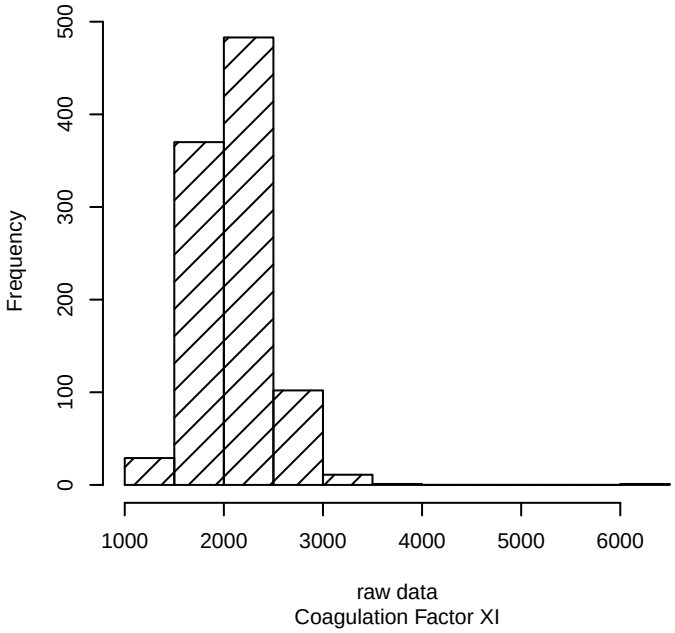

sL−Selectin (Uniprot: P14151, ProbeID: 4831−4_2)
Frequency
0
50
100
150
200
250
300
11.5
12.0
12.5
13.0
log2−scaled data
L−Selectin


sL−Selectin (Uniprot: P14151, ProbeID: 4831−4_2)
log2−scaled data
11.5
12.0
12.5
13.0
A/A (519)
A/G (401)
G/G (74)
rs12938 (Chr1:169660781)
Locus 163 top sentinel (CIS), p=8.7e−25, FC=−1.0872

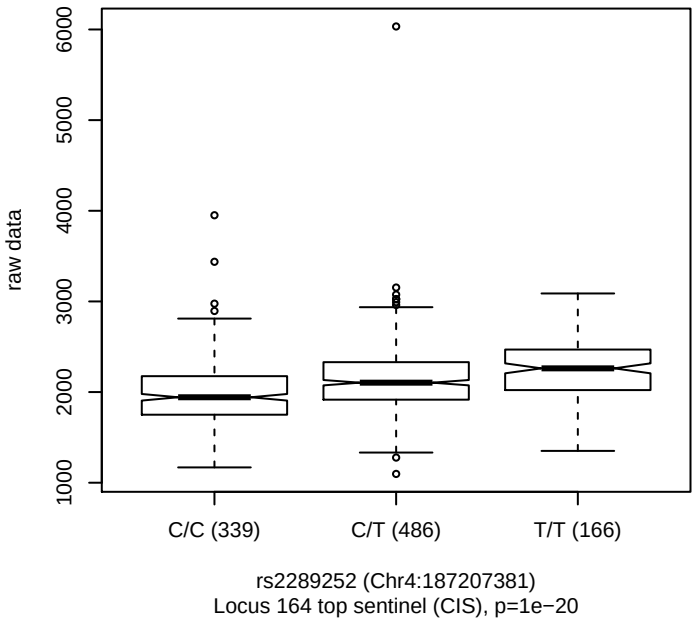

sL−Selectin (Uniprot: P14151, ProbeID: 4831−4_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
L−Selectin


sL−Selectin (Uniprot: P14151, ProbeID: 4831−4_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (519)
A/G (401)
G/G (74)
rs12938 (Chr1:169660781)
Locus 163 top sentinel (CIS), p=4.5e−25

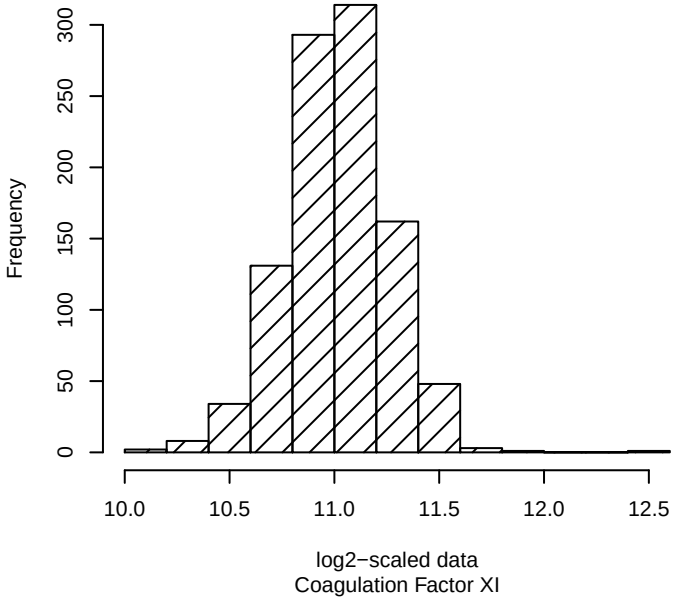
**Coagulation Factor XI (Uniprot: P03951, ProbeID: 2190−55**



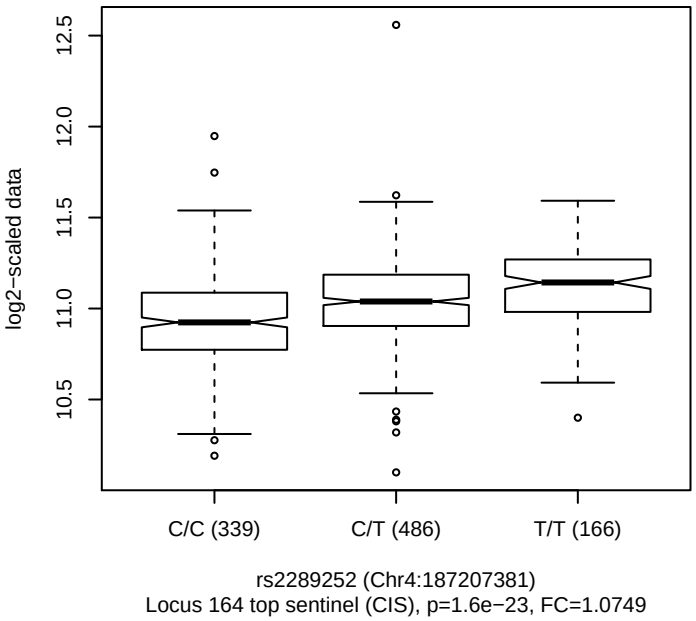

**Coagulation Factor XI (Uniprot: P03951, ProbeID: 2190−55**



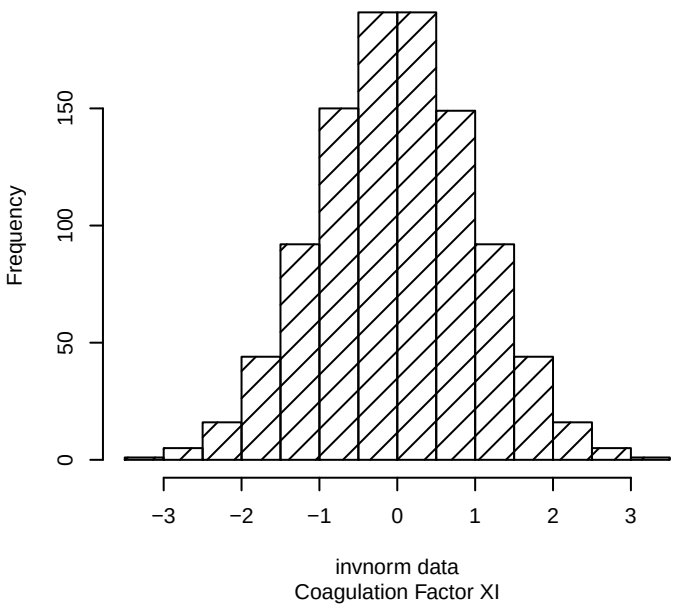

**Coagulation Factor XI (Uniprot: P03951, ProbeID: 2190−55**



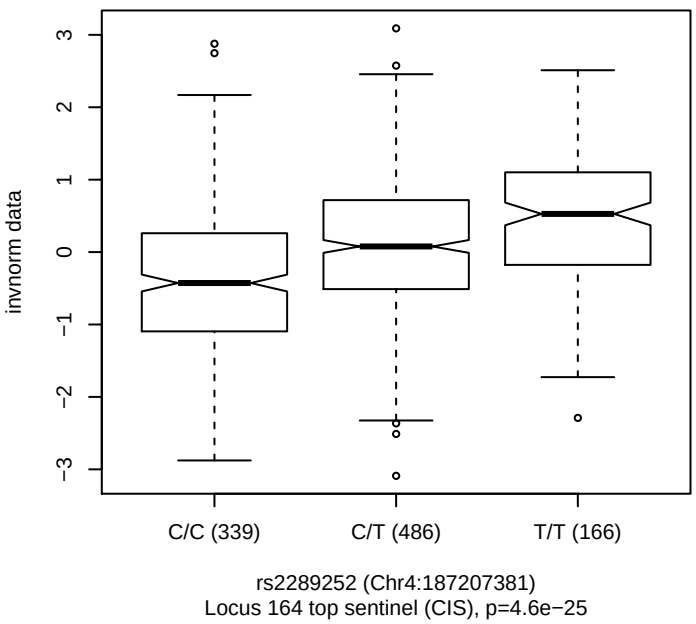

**Coagulation Factor XI (Uniprot: P03951, ProbeID: 2190−55**



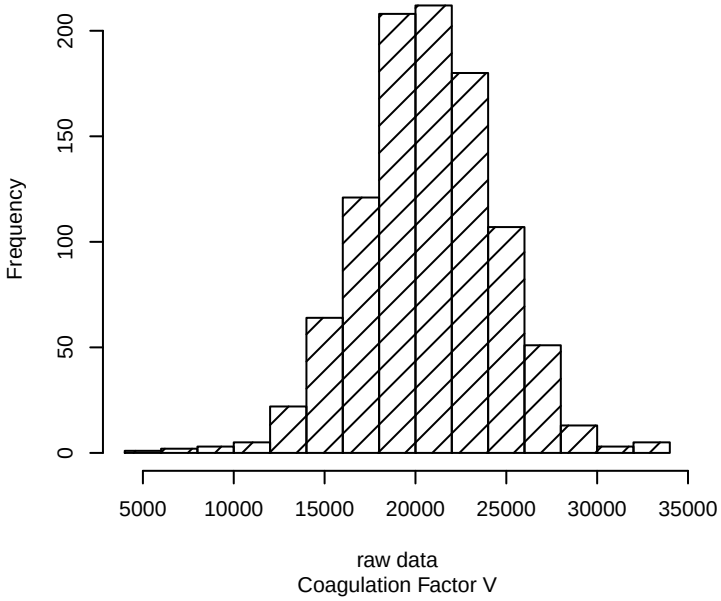

**Coagulation Factor XI (Uniprot: P03951, ProbeID: 2190−55**



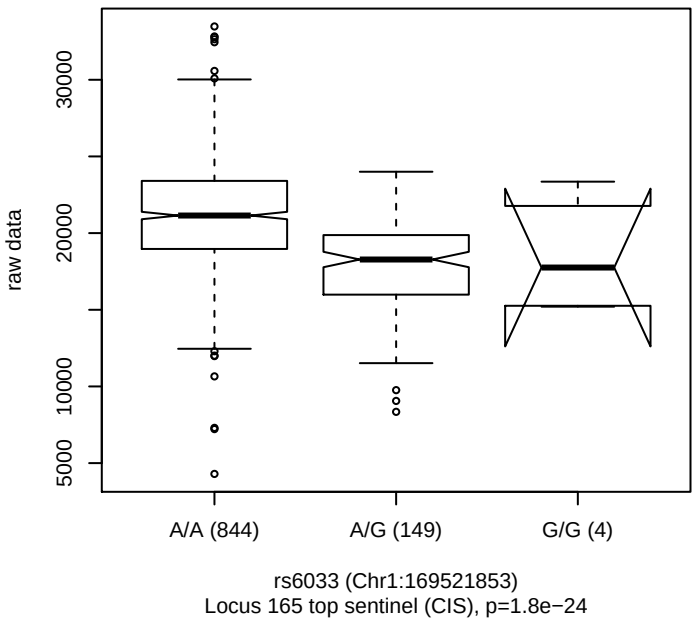

**Coagulation Factor XI (Uniprot: P03951, ProbeID: 2190−55**



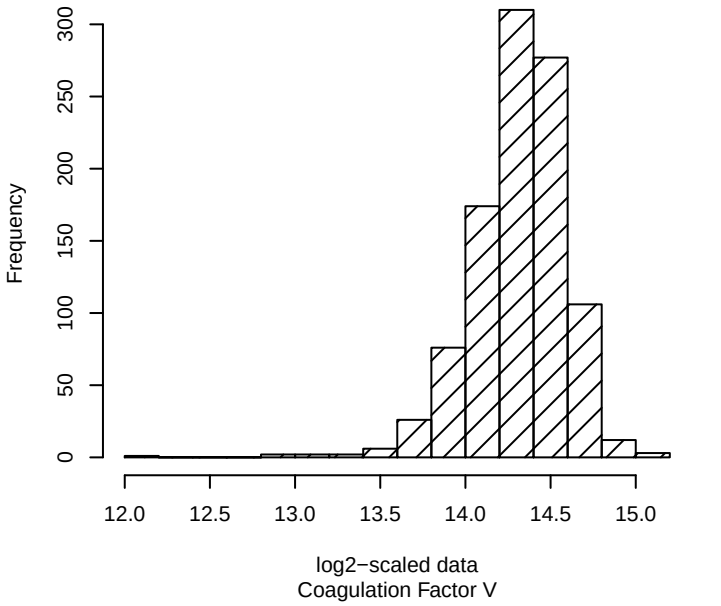
**Coagulation Factor V (Uniprot: P12259, ProbeID: 4906−35_**



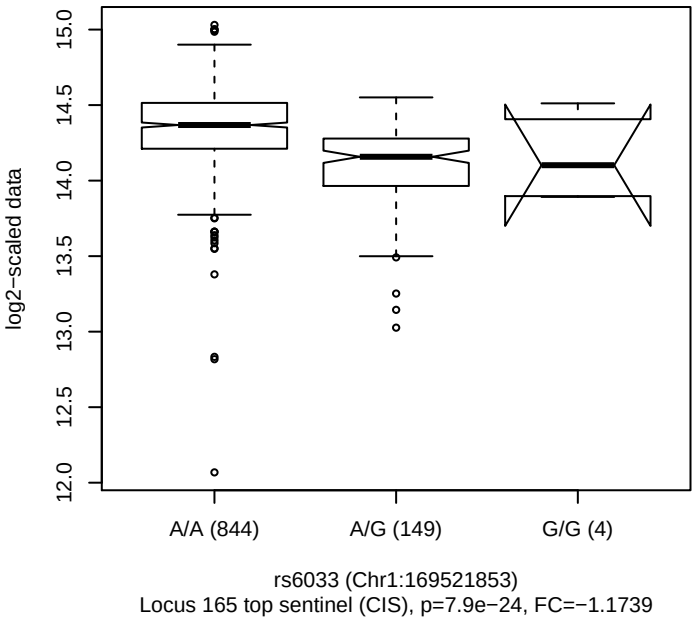

**Coagulation Factor V (Uniprot: P12259, ProbeID: 4906−35_**



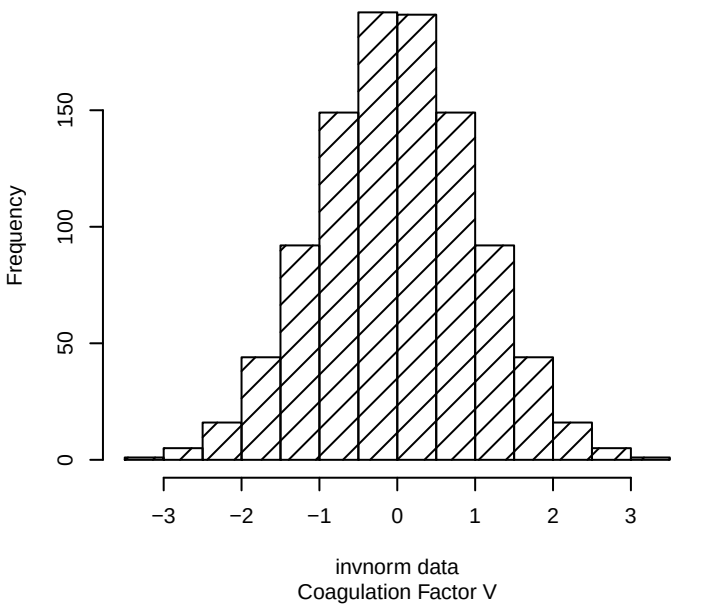

**Coagulation Factor V (Uniprot: P12259, ProbeID: 4906−35_**



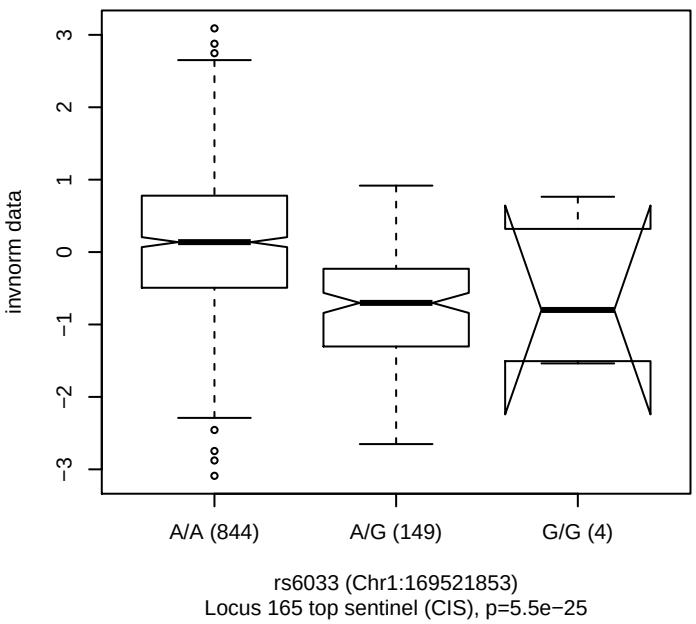

**Coagulation Factor V (Uniprot: P12259, ProbeID: 4906−35_**

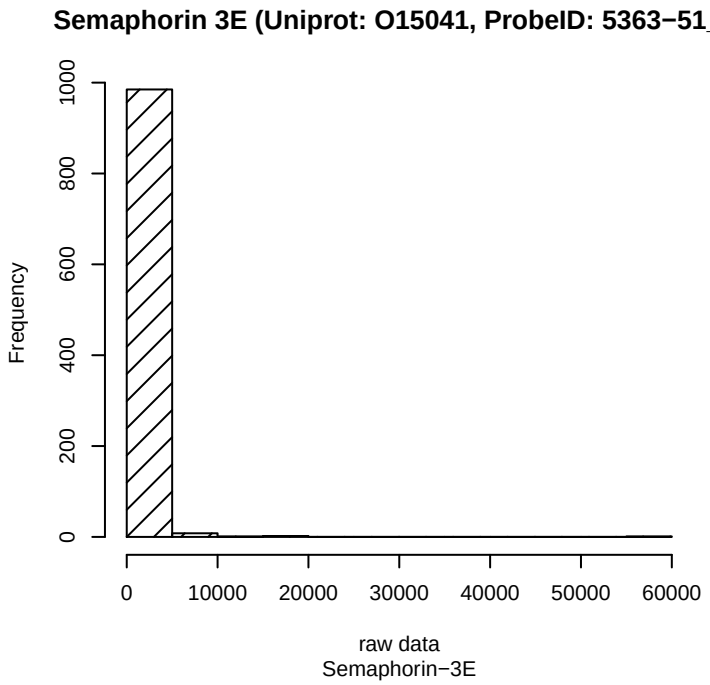


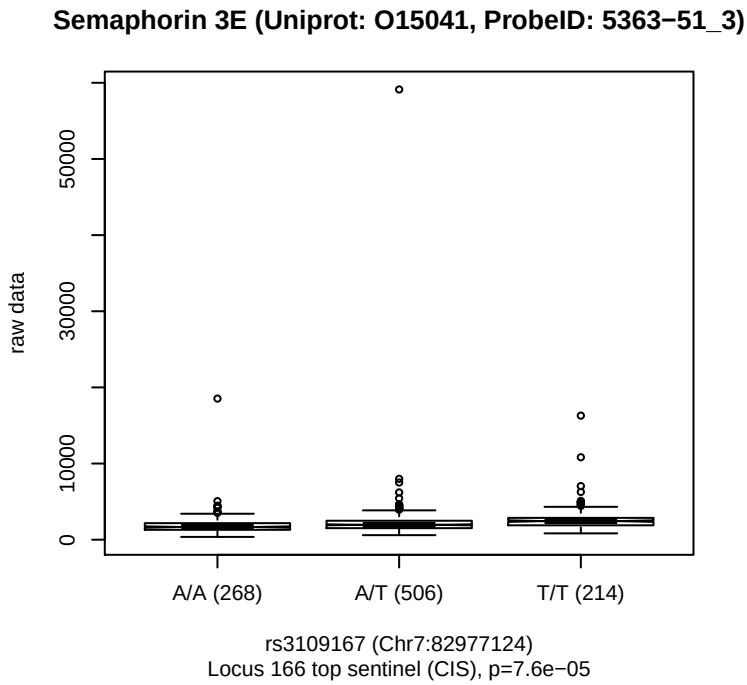

**Coagulation Factor V (Uniprot: P12259, ProbeID: 4906−35_**

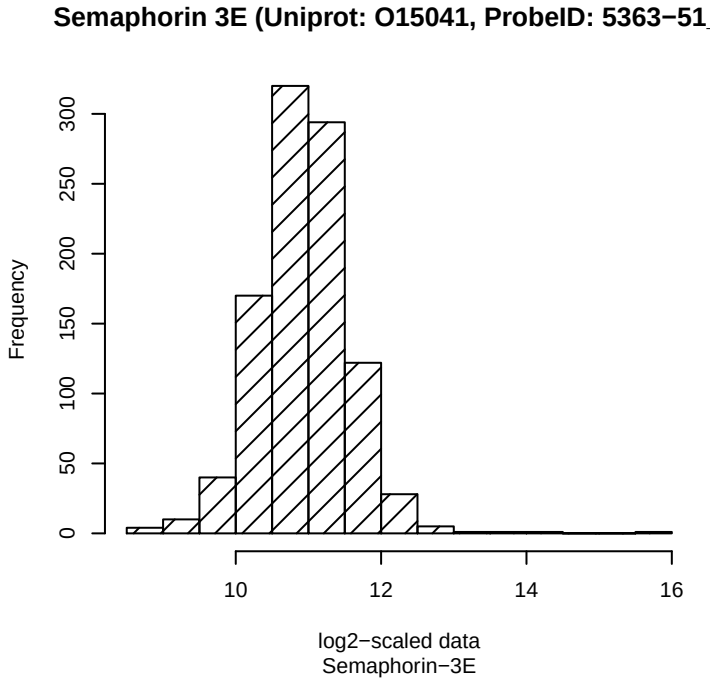


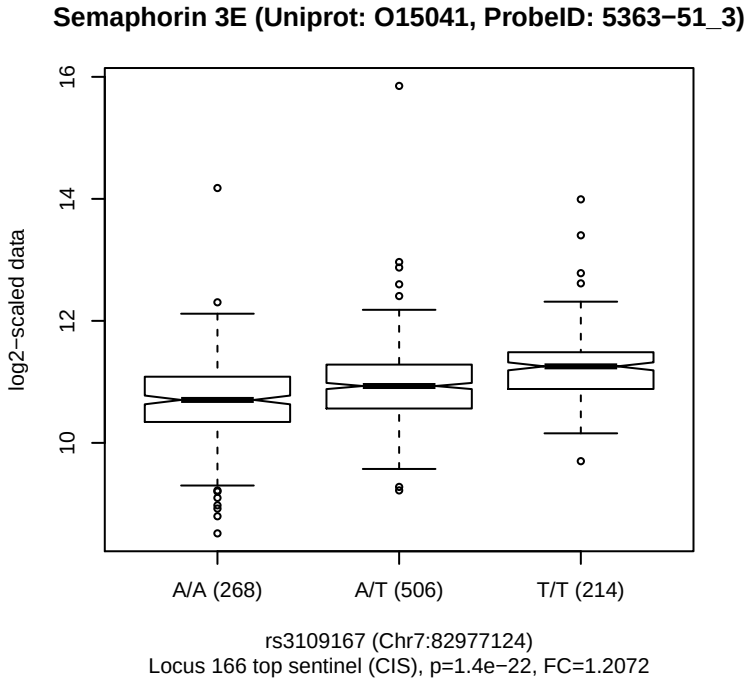

**Coagulation Factor V (Uniprot: P12259, ProbeID: 4906−35_**

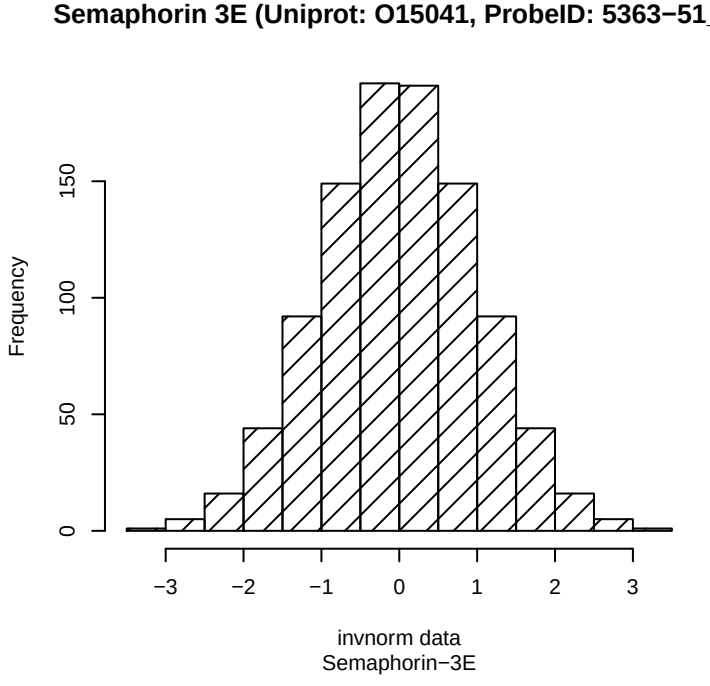


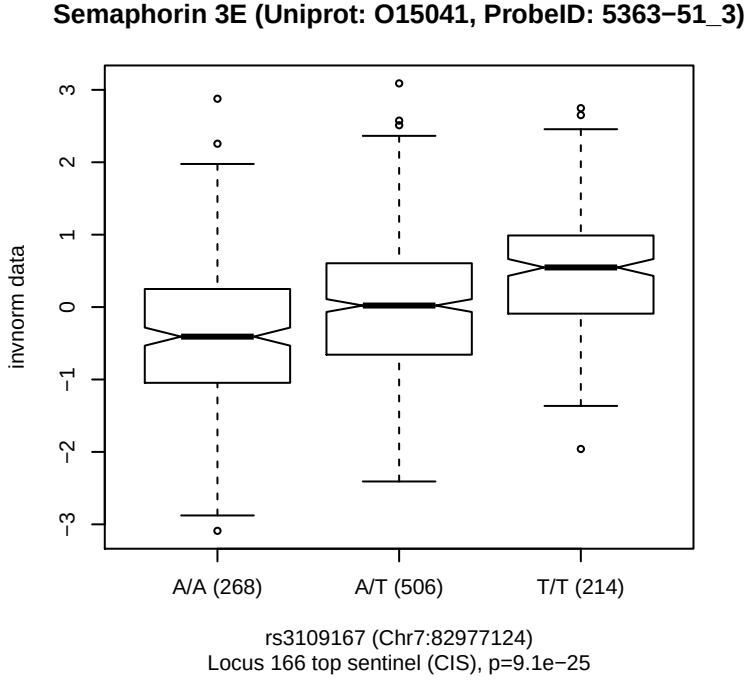

Semaphorin 3E (Uniprot: O15041, ProbeID: 5363−51_3)
Frequency
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000
raw data
Semaphorin−3E

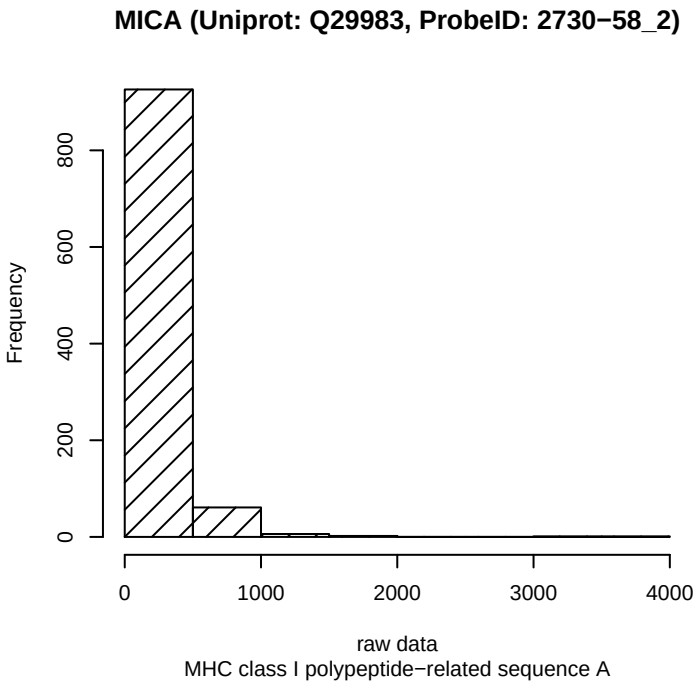

Semaphorin 3E (Uniprot: O15041, ProbeID: 5363−51_3)
raw data
0
10000
30000
50000
A/A (268)
A/T (506)
T/T (214)
rs3109167 (Chr7:82977124)
Locus 166 top sentinel (CIS), p=7.6e−05

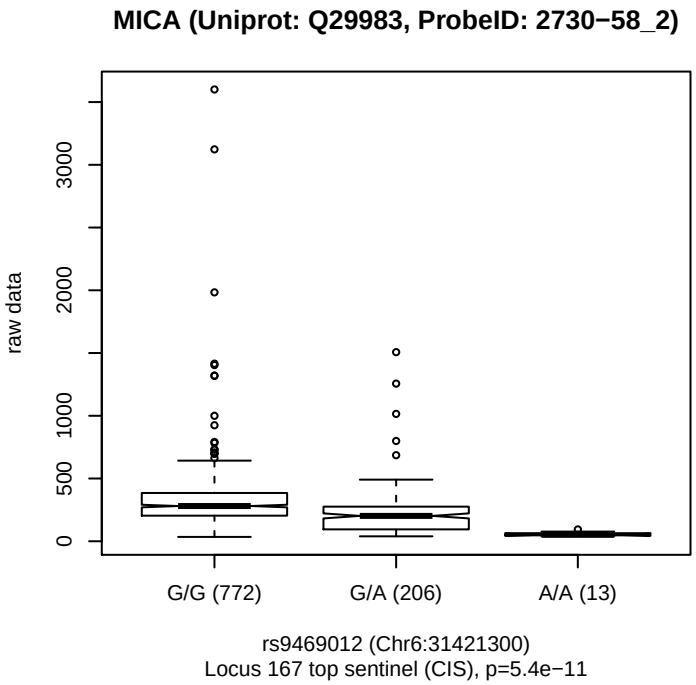

Semaphorin 3E (Uniprot: O15041, ProbeID: 5363−51_3)
Frequency
0
50
100
150
200
250
300
10
12
14
16
log2−scaled data
Semaphorin−3E

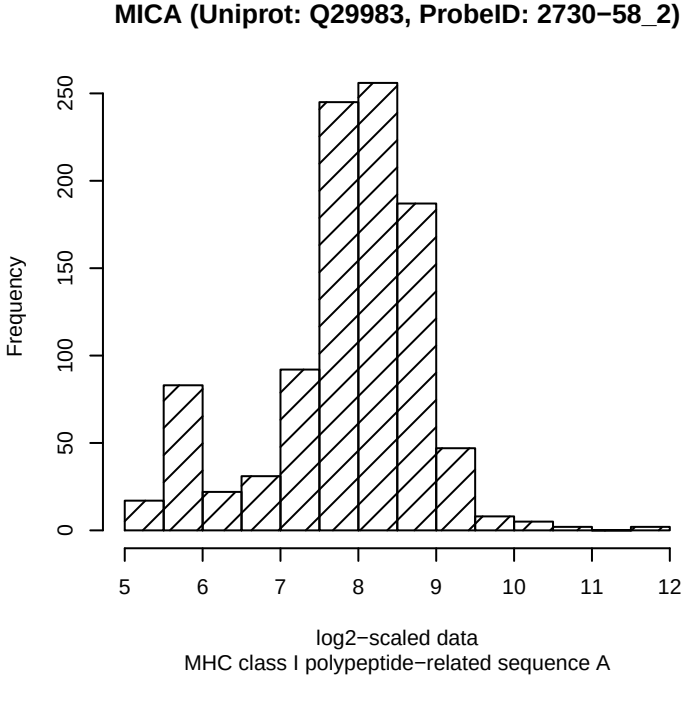

Semaphorin 3E (Uniprot: O15041, ProbeID: 5363−51_3)
log2−scaled data
10
12
14
16
A/A (268)
A/T (506)
T/T (214)
rs3109167 (Chr7:82977124)
Locus 166 top sentinel (CIS), p=1.4e−22, FC=1.2072

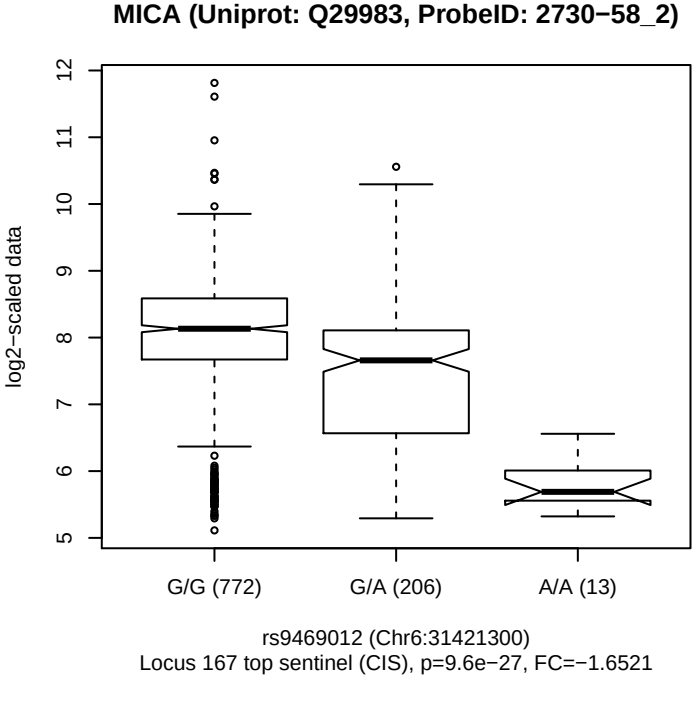

Semaphorin 3E (Uniprot: O15041, ProbeID: 5363−51_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Semaphorin−3E

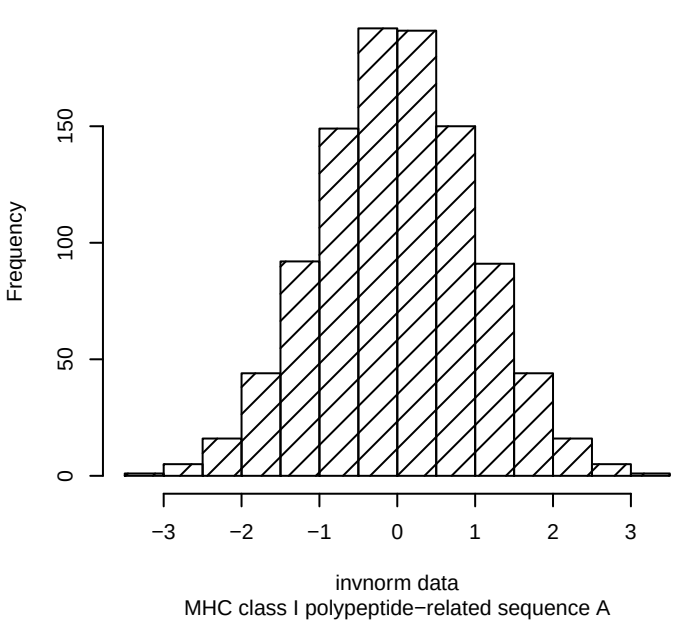

Semaphorin 3E (Uniprot: O15041, ProbeID: 5363−51_3)
invnorm data
−3
−2
−1
0
1
2
3
A/A (268)
A/T (506)
T/T (214)
rs3109167 (Chr7:82977124)
Locus 166 top sentinel (CIS), p=9.1e−25

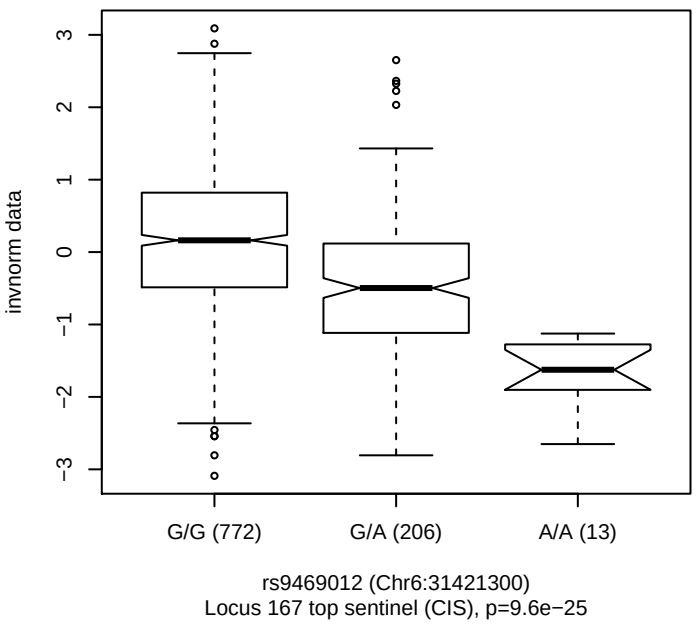

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
200
400
600
800
0
1000
2000
3000
4000
raw data
MHC class I polypeptide−related sequence A

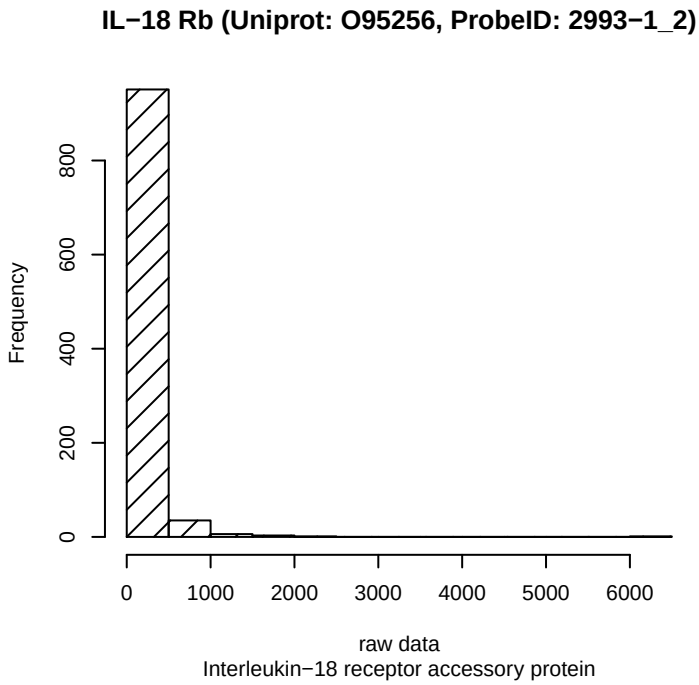

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
raw data
0
500
1000
2000
3000
G/G (772)
G/A (206)
A/A (13)
rs9469012 (Chr6:31421300)
Locus 167 top sentinel (CIS), p=5.4e−11

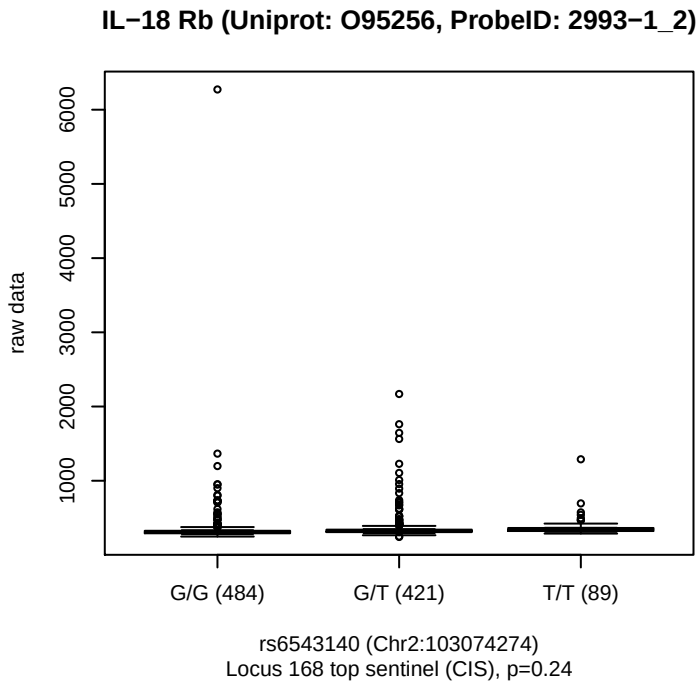

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
200
250
5
6
7
8
9
10
11
12
log2−scaled data
MHC class I polypeptide−related sequence A

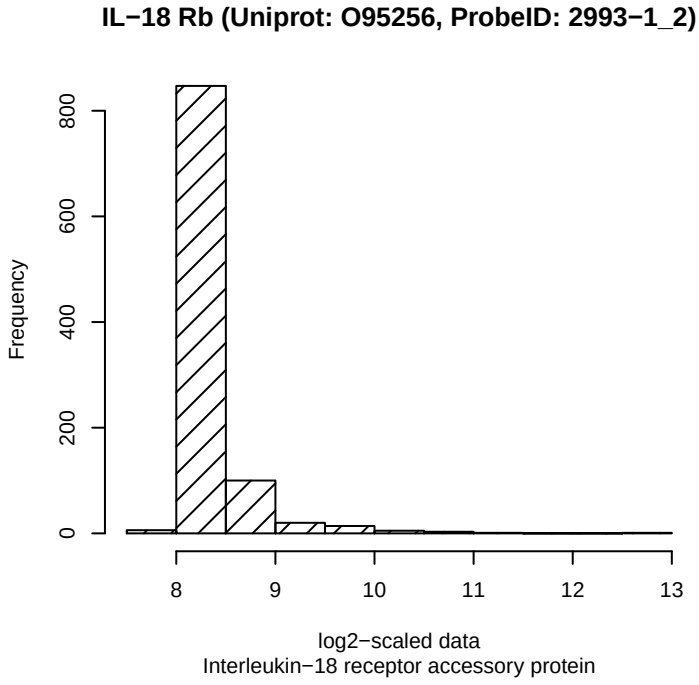

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
log2−scaled data
5
6
7
8
9
10
11
12
G/G (772)
G/A (206)
A/A (13)
rs9469012 (Chr6:31421300)
Locus 167 top sentinel (CIS), p=9.6e−27, FC=−1.6521

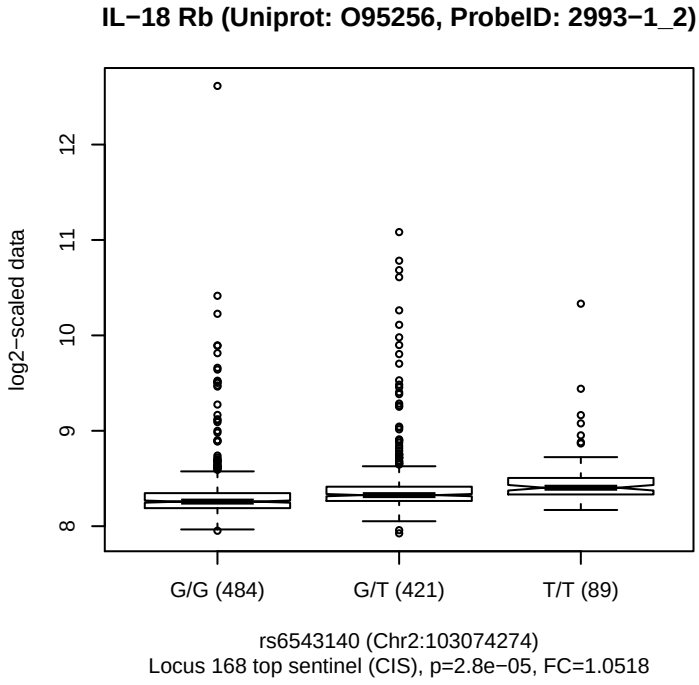

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence A

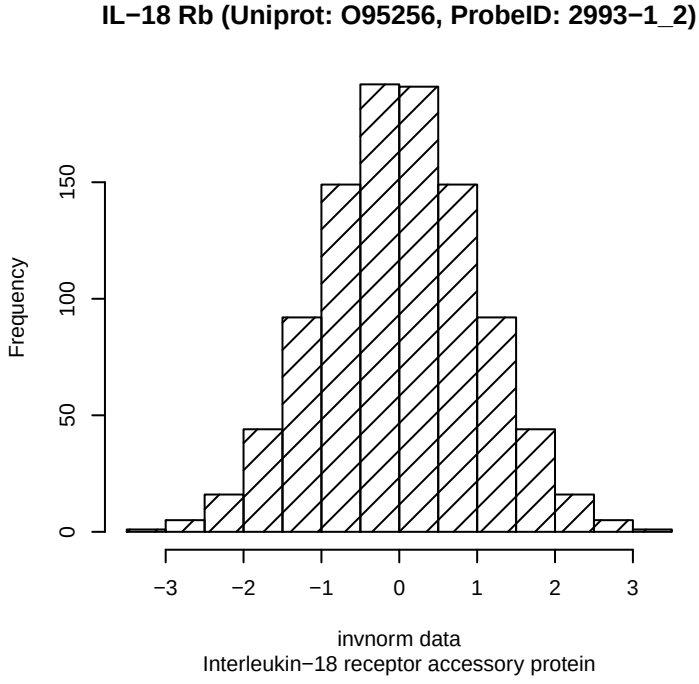

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (772)
G/A (206)
A/A (13)
rs9469012 (Chr6:31421300)
Locus 167 top sentinel (CIS), p=9.6e−25

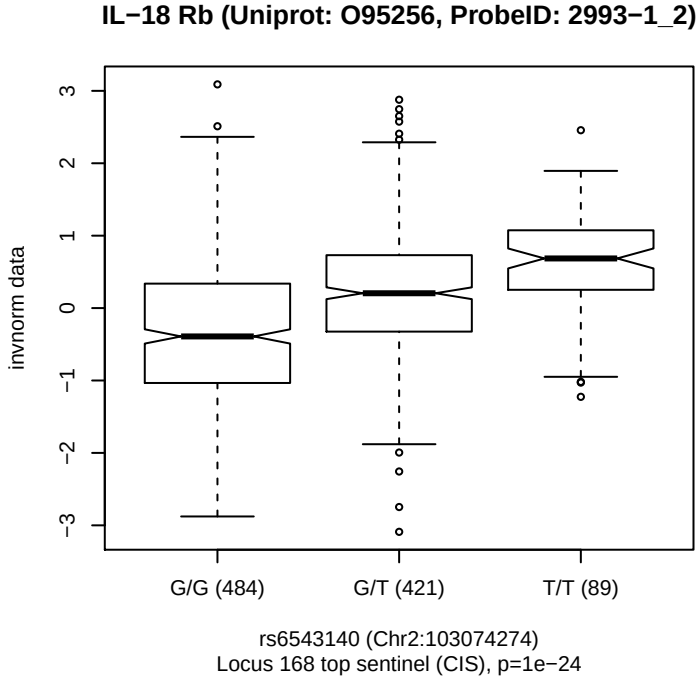

IL−18 Rb (Uniprot: O95256, ProbeID: 2993−1_2)
Frequency
0
200
400
600
800
0
1000
2000
3000
4000
5000
6000
raw data
Interleukin−18 receptor accessory protein

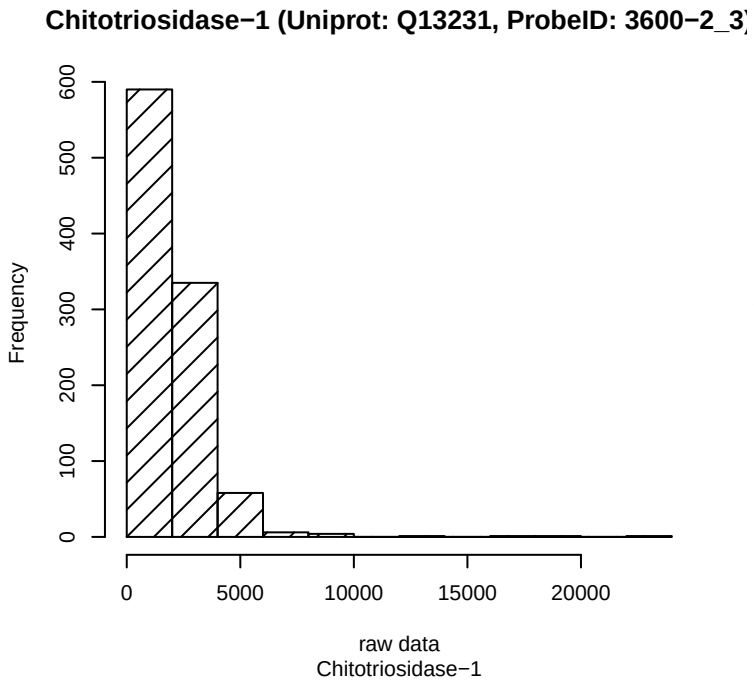

IL−18 Rb (Uniprot: O95256, ProbeID: 2993−1_2)
raw data
1000
2000
3000
4000
5000
6000
G/G (484)
G/T (421)
T/T (89)
rs6543140 (Chr2:103074274)
Locus 168 top sentinel (CIS), p=0.24

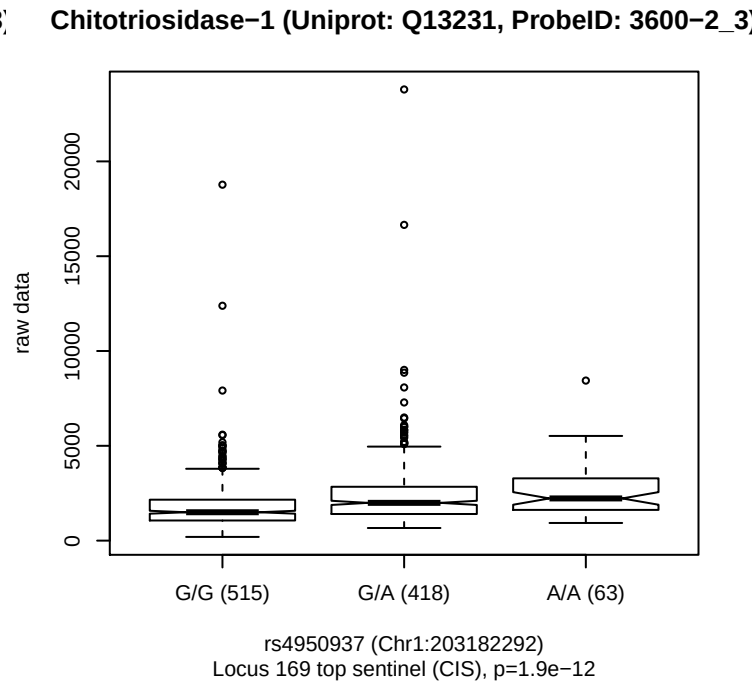

IL−18 Rb (Uniprot: O95256, ProbeID: 2993−1_2)
Frequency
0
200
400
600
800
8
9
10
11
12
13
log2−scaled data
Interleukin−18 receptor accessory protein

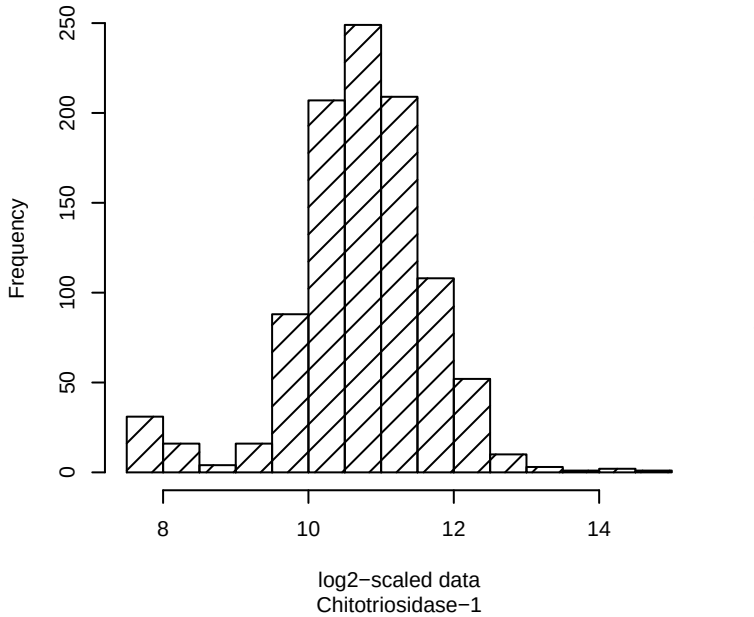

IL−18 Rb (Uniprot: O95256, ProbeID: 2993−1_2)
log2−scaled data
8
9
10
11
12
G/G (484)
G/T (421)
T/T (89)
rs6543140 (Chr2:103074274)
Locus 168 top sentinel (CIS), p=2.8e−05, FC=1.0518

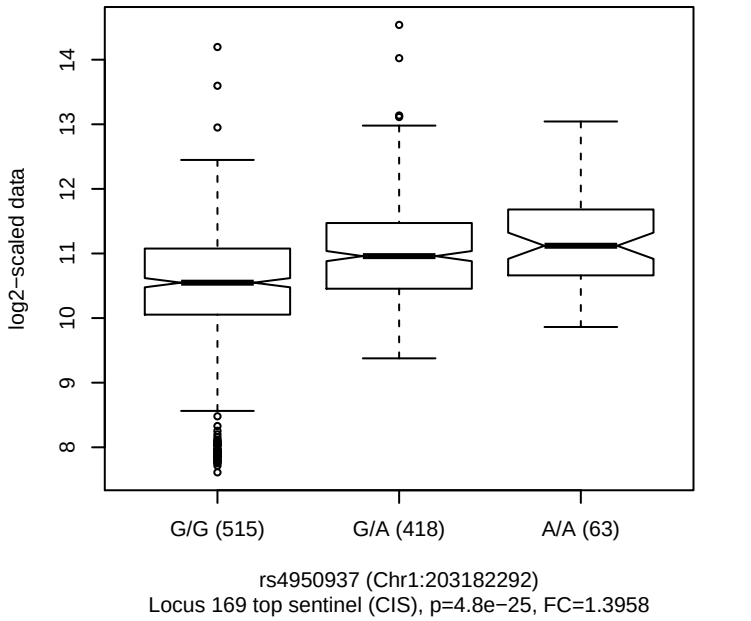

IL−18 Rb (Uniprot: O95256, ProbeID: 2993−1_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−18 receptor accessory protein

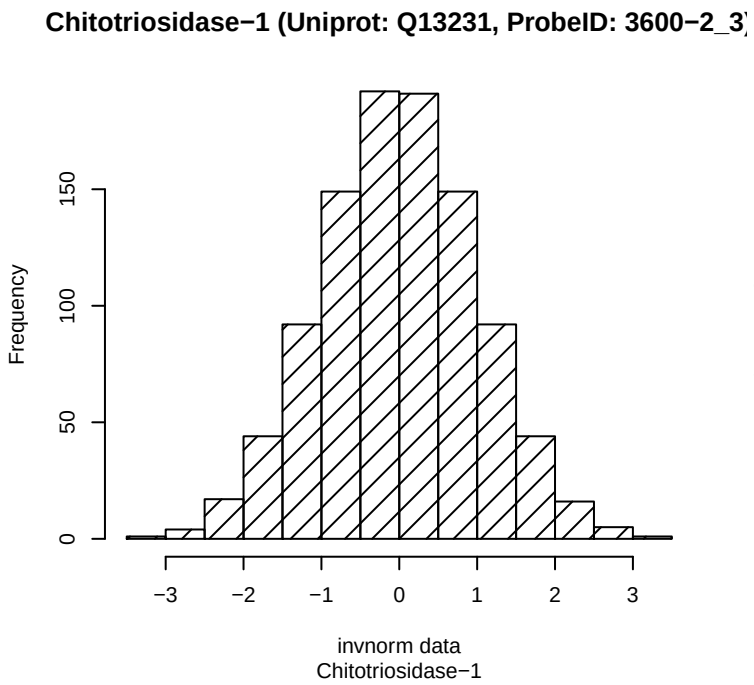

IL−18 Rb (Uniprot: O95256, ProbeID: 2993−1_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (484)
G/T (421)
T/T (89)
rs6543140 (Chr2:103074274)
Locus 168 top sentinel (CIS), p=1e−24

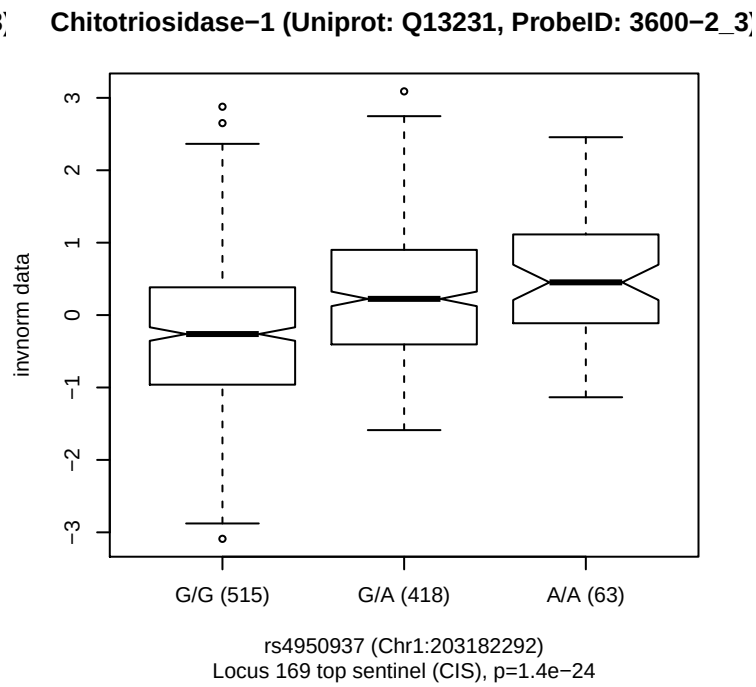

Chitotriosidase−1 (Uniprot: Q13231, ProbeID: 3600−2_3)
Frequency
0
100
200
300
400
500
600
0
5000
10000
15000
20000
raw data
Chitotriosidase−1

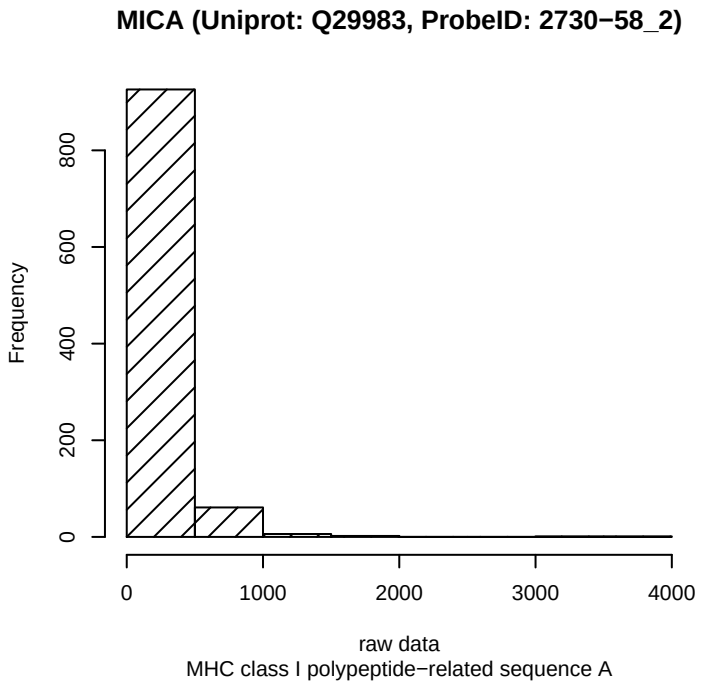

Chitotriosidase−1 (Uniprot: Q13231, ProbeID: 3600−2_3)
raw data
0
5000
10000
15000
20000
G/G (515)
G/A (418)
A/A (63)
rs4950937 (Chr1:203182292)
Locus 169 top sentinel (CIS), p=1.9e−12

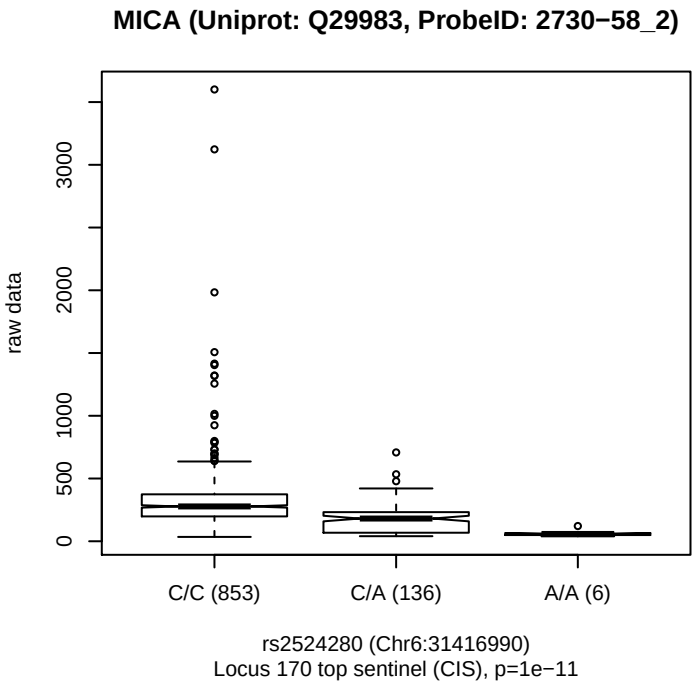

Chitotriosidase−1 (Uniprot: Q13231, ProbeID: 3600−2_3)
Frequency
0
50
100
150
200
250
8
10
12
14
log2−scaled data
Chitotriosidase−1

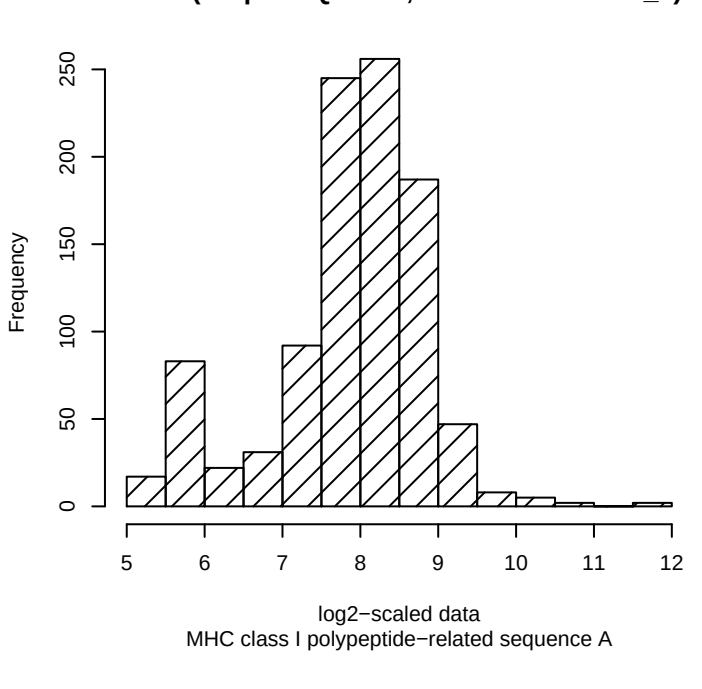

Chitotriosidase−1 (Uniprot: Q13231, ProbeID: 3600−2_3)
log2−scaled data
8
9
10
11
12
13
14
G/G (515)
G/A (418)
A/A (63)
rs4950937 (Chr1:203182292)
Locus 169 top sentinel (CIS), p=4.8e−25, FC=1.3958

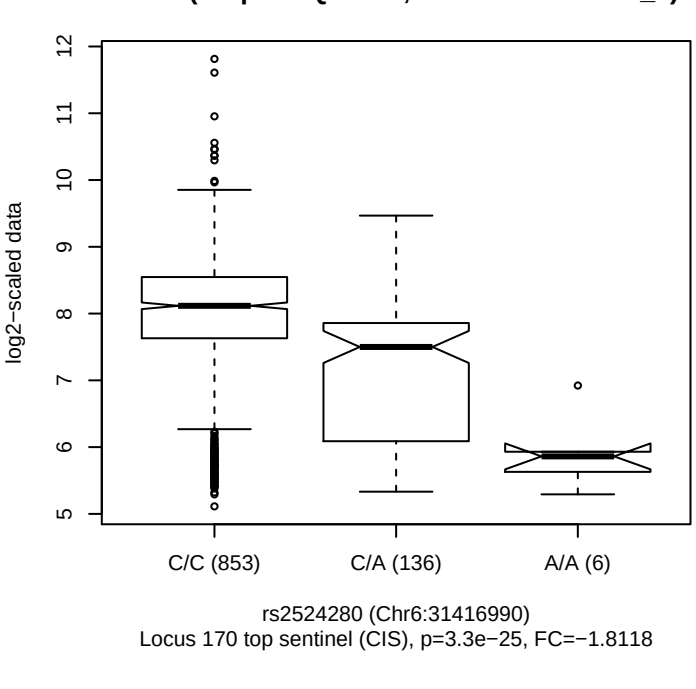

Chitotriosidase−1 (Uniprot: Q13231, ProbeID: 3600−2_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Chitotriosidase−1

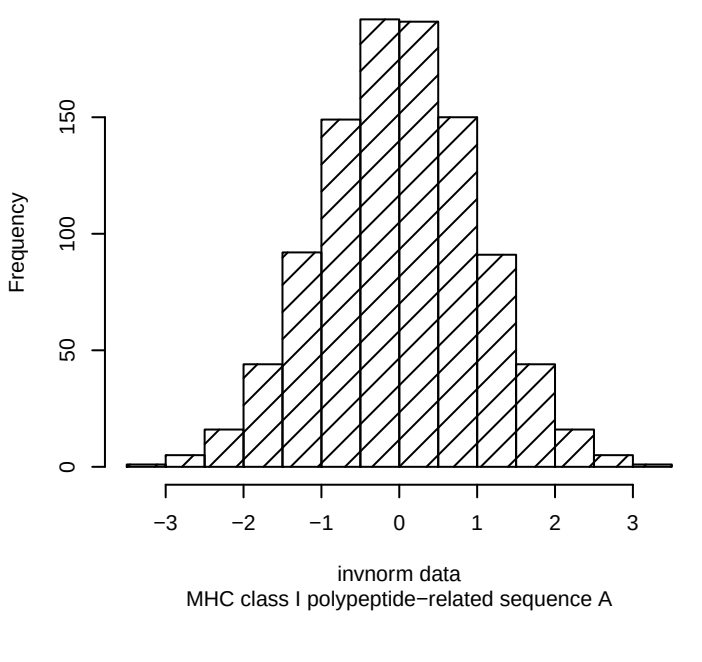

Chitotriosidase−1 (Uniprot: Q13231, ProbeID: 3600−2_3)
invnorm data
−3
−2
−1
0
1
2
3
G/G (515)
G/A (418)
A/A (63)
rs4950937 (Chr1:203182292)
Locus 169 top sentinel (CIS), p=1.4e−24

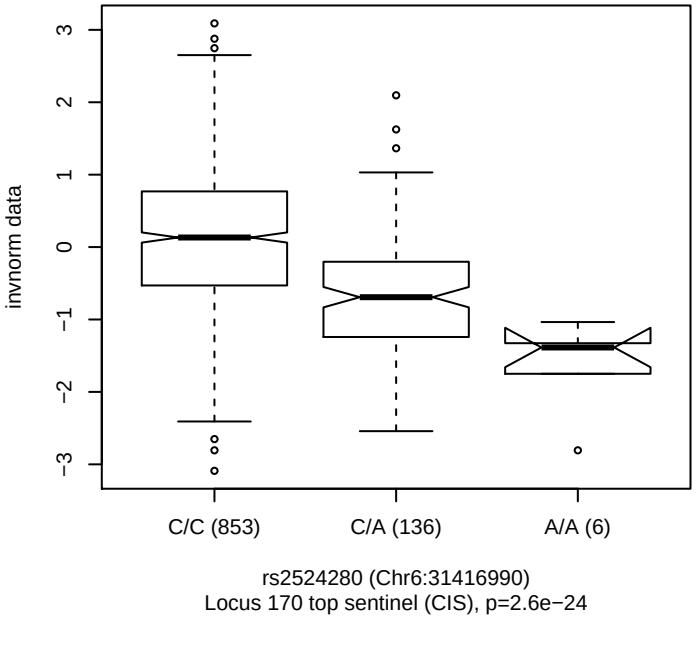

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
200
400
600
800
0
1000
2000
3000
4000
raw data
MHC class I polypeptide−related sequence A

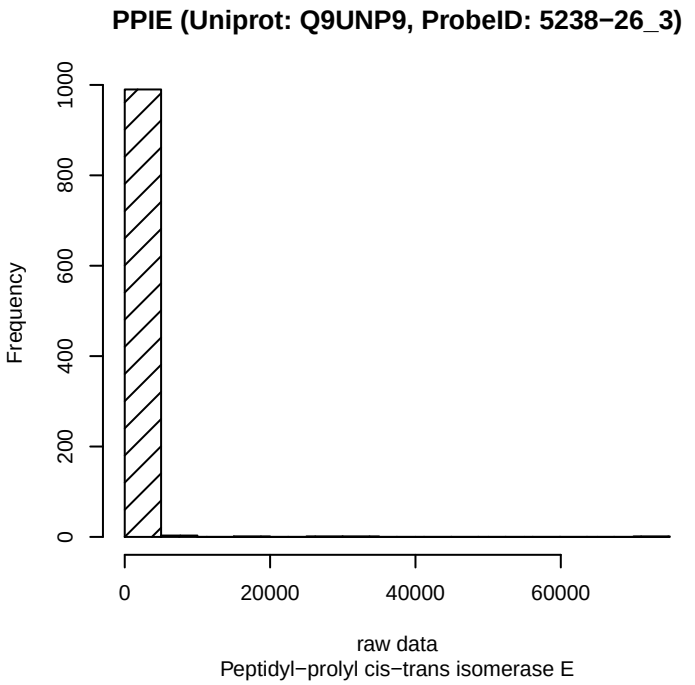

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
raw data
0
500
1000
2000
3000
C/C (853)
C/A (136)
A/A (6)
rs2524280 (Chr6:31416990)
Locus 170 top sentinel (CIS), p=1e−11

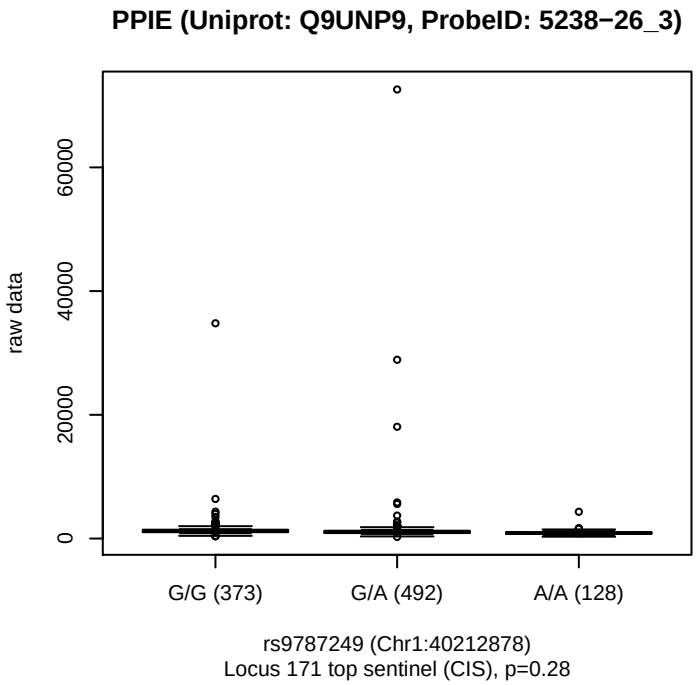

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
200
250
5
6
7
8
9
10
11
12
log2−scaled data
MHC class I polypeptide−related sequence A

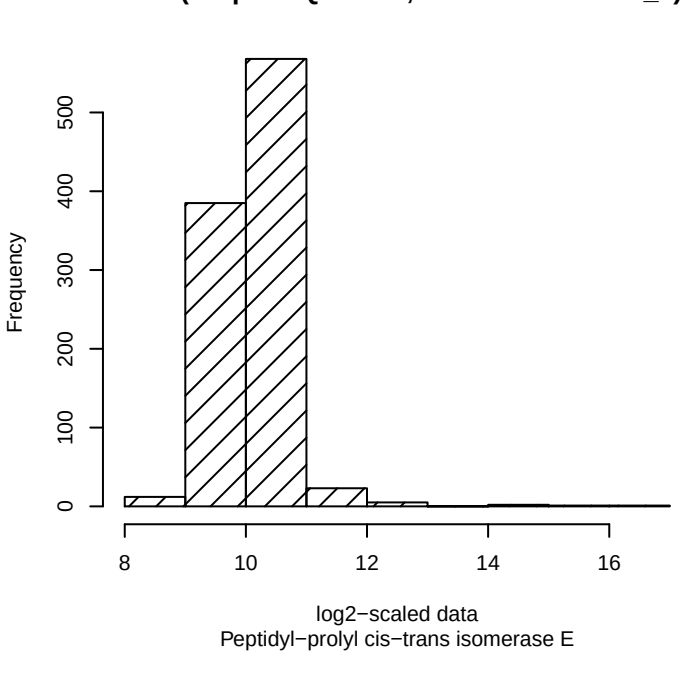

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
log2−scaled data
5
6
7
8
9
10
11
12
C/C (853)
C/A (136)
A/A (6)
rs2524280 (Chr6:31416990)
Locus 170 top sentinel (CIS), p=3.3e−25, FC=−1.8118

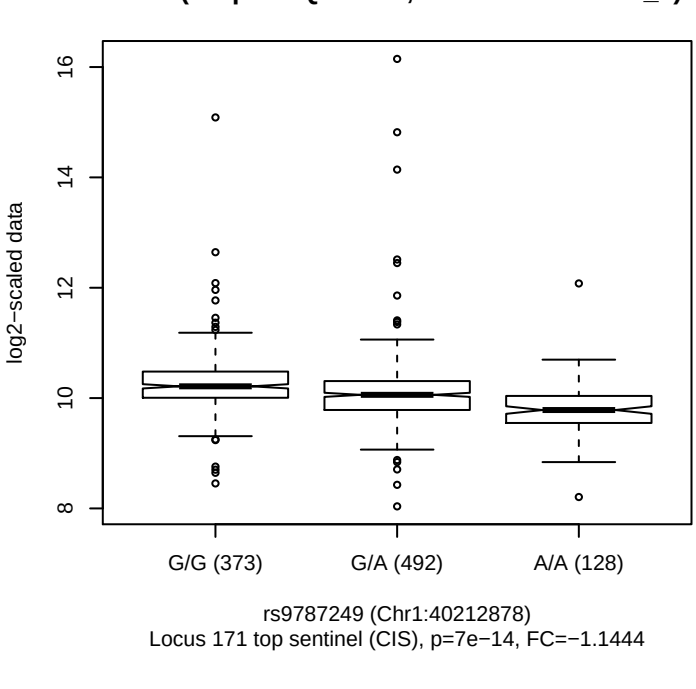

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence A

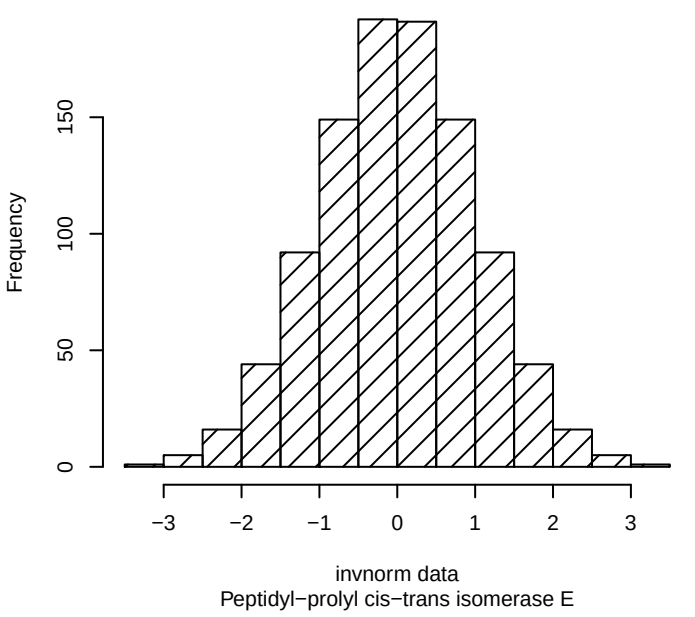

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (853)
C/A (136)
A/A (6)
rs2524280 (Chr6:31416990)
Locus 170 top sentinel (CIS), p=2.6e−24

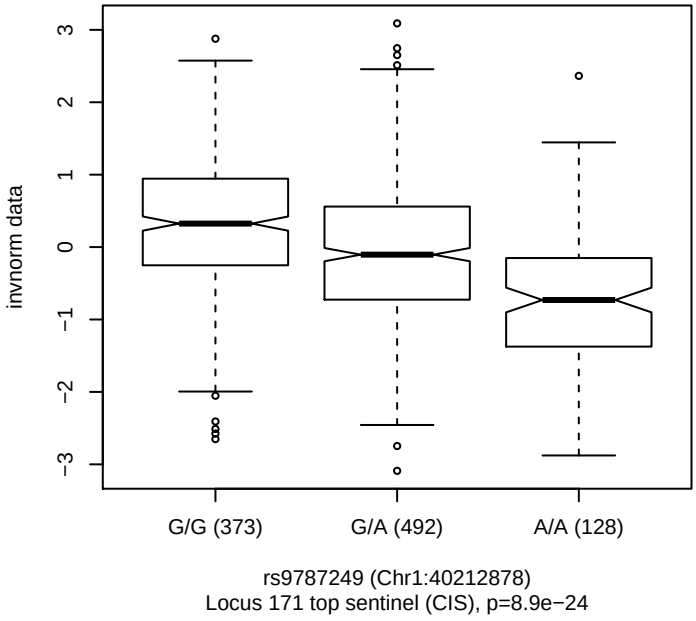

PPIE (Uniprot: Q9UNP9, ProbeID: 5238−26_3)
Frequency
0
200
400
600
800
1000
0
20000
40000
60000
raw data
Peptidyl−prolyl cis−trans isomerase E


PPIE (Uniprot: Q9UNP9, ProbeID: 5238−26_3)
raw data
0
20000
40000
60000
G/G (373)
G/A (492)
A/A (128)
rs9787249 (Chr1:40212878)
Locus 171 top sentinel (CIS), p=0.28

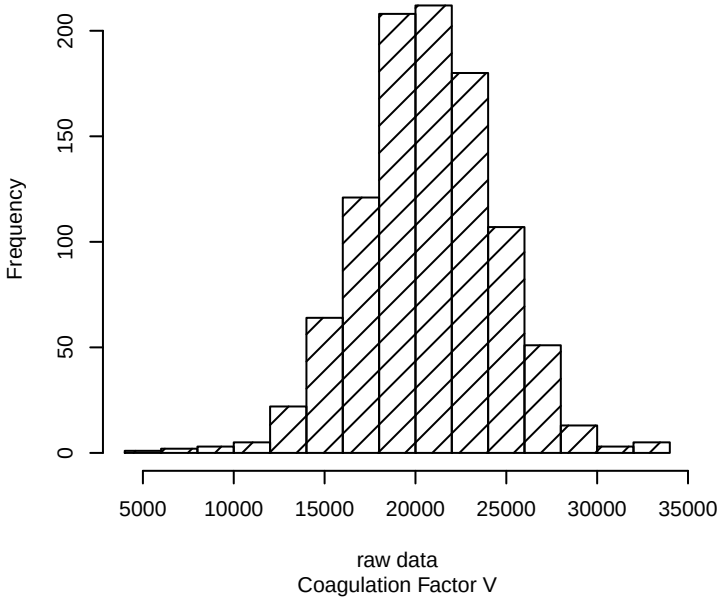

PPIE (Uniprot: Q9UNP9, ProbeID: 5238−26_3)
Frequency
0
100
200
300
400
500
8
10
12
14
16
log2−scaled data
Peptidyl−prolyl cis−trans isomerase E


PPIE (Uniprot: Q9UNP9, ProbeID: 5238−26_3)
log2−scaled data
8
10
12
14
16
G/G (373)
G/A (492)
A/A (128)
rs9787249 (Chr1:40212878)
Locus 171 top sentinel (CIS), p=7e−14, FC=−1.1444

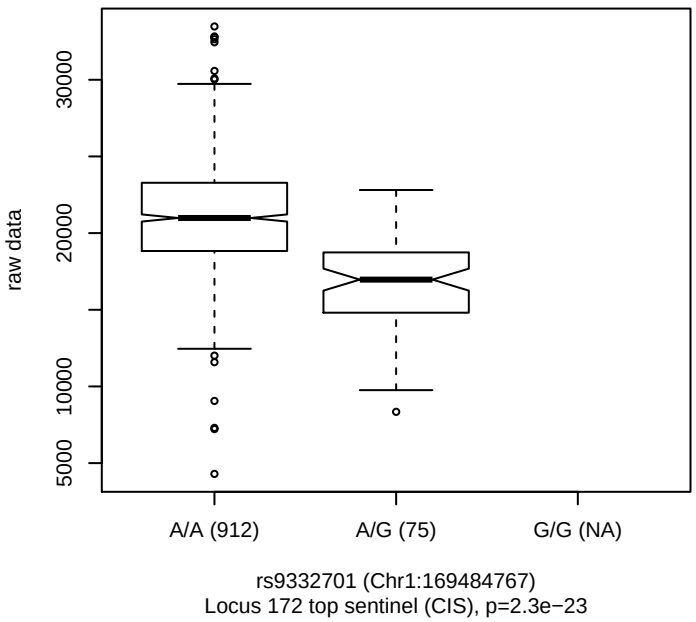

PPIE (Uniprot: Q9UNP9, ProbeID: 5238−26_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Peptidyl−prolyl cis−trans isomerase E


PPIE (Uniprot: Q9UNP9, ProbeID: 5238−26_3)
invnorm data
−3
−2
−1
0
1
2
3
G/G (373)
G/A (492)
A/A (128)
rs9787249 (Chr1:40212878)
Locus 171 top sentinel (CIS), p=8.9e−24

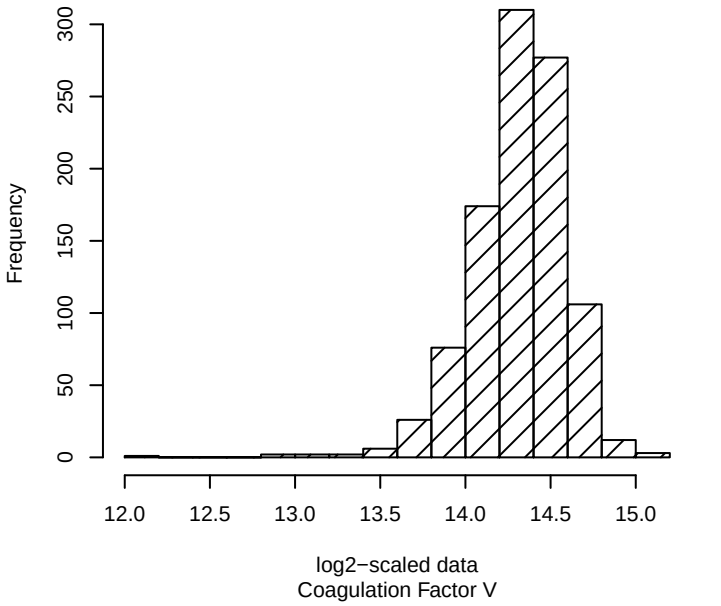
**Coagulation Factor V (Uniprot: P12259, ProbeID: 4906−35_**



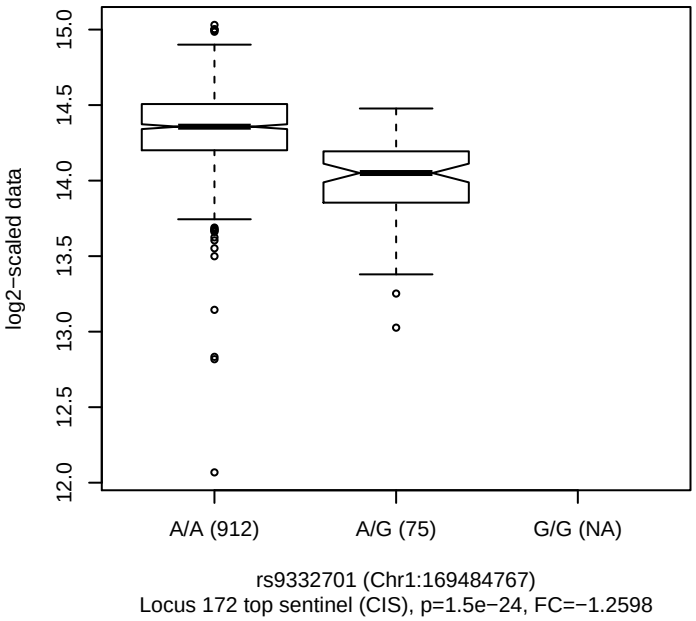

**Coagulation Factor V (Uniprot: P12259, ProbeID: 4906−35_**



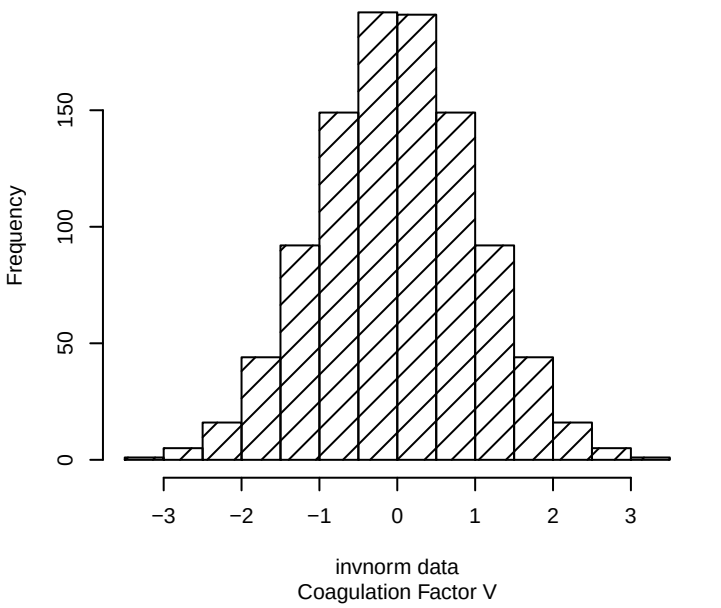

**Coagulation Factor V (Uniprot: P12259, ProbeID: 4906−35_**



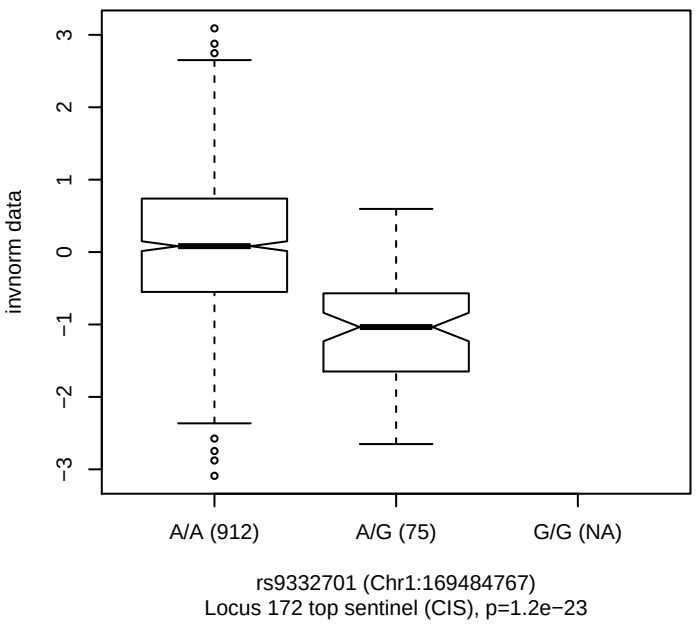

**Coagulation Factor V (Uniprot: P12259, ProbeID: 4906−35_**

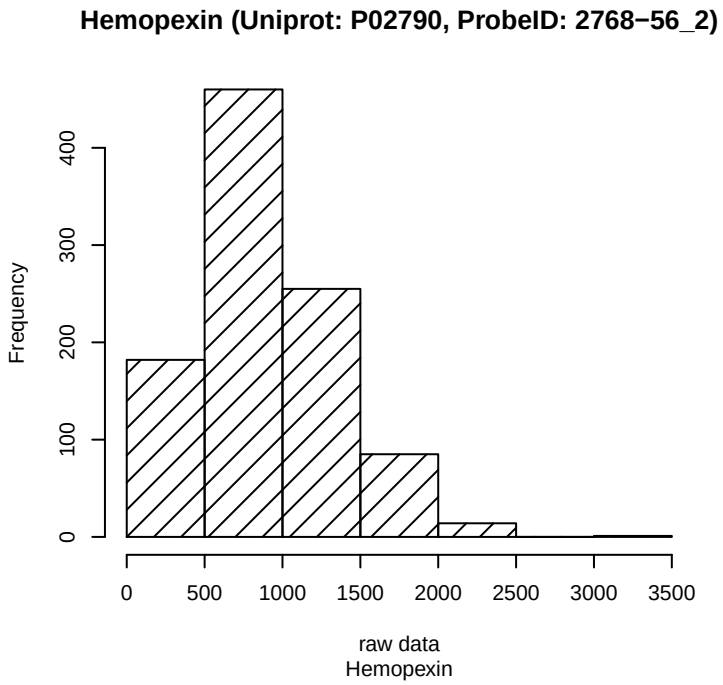


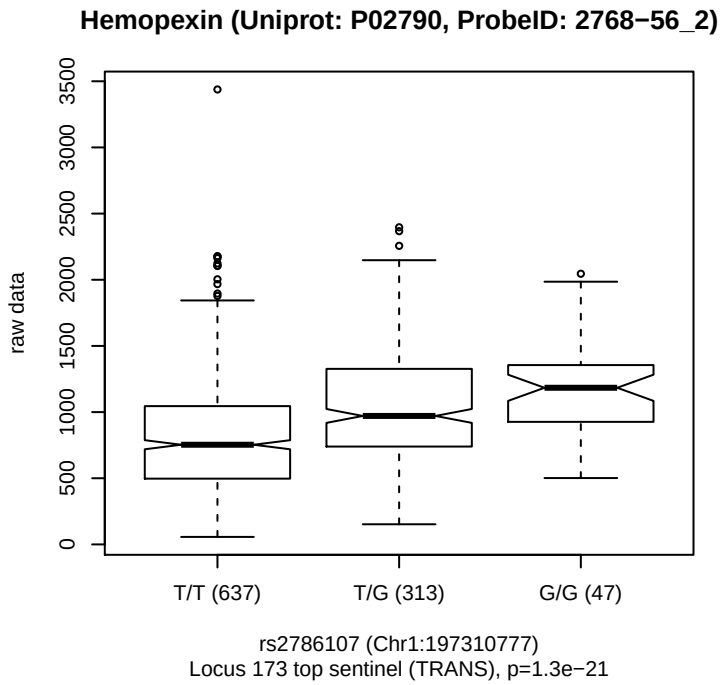

**Coagulation Factor V (Uniprot: P12259, ProbeID: 4906−35_**

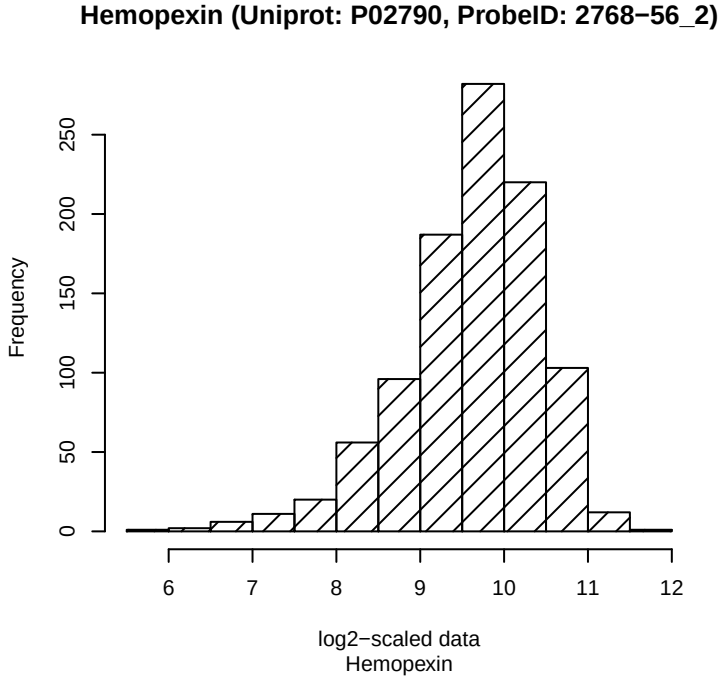


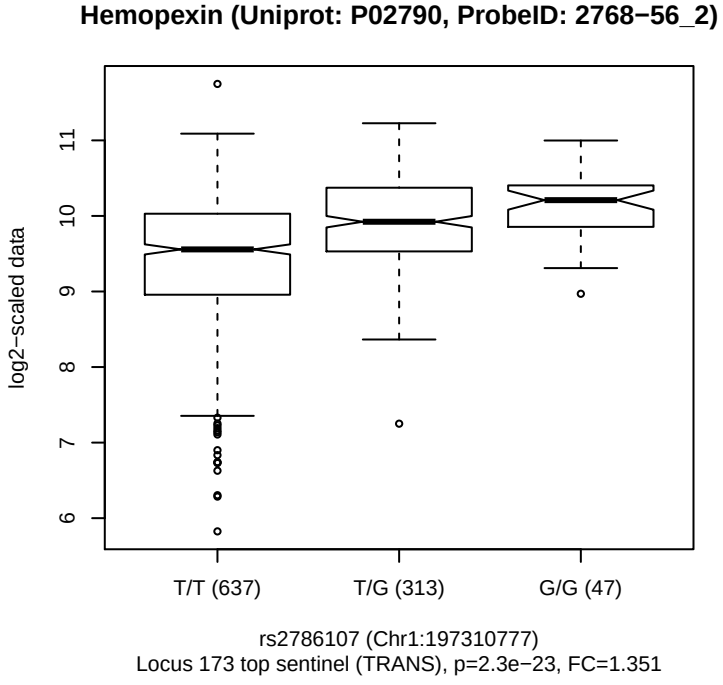

**Coagulation Factor V (Uniprot: P12259, ProbeID: 4906−35_**

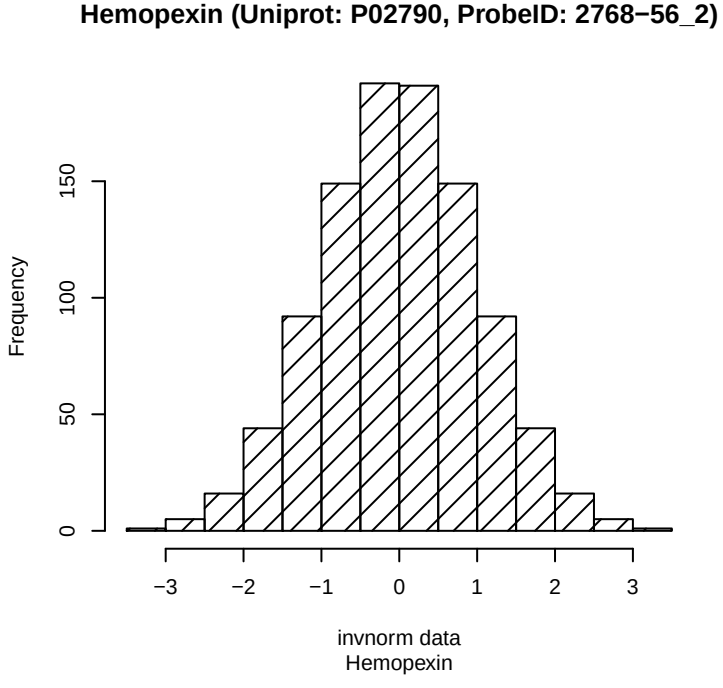


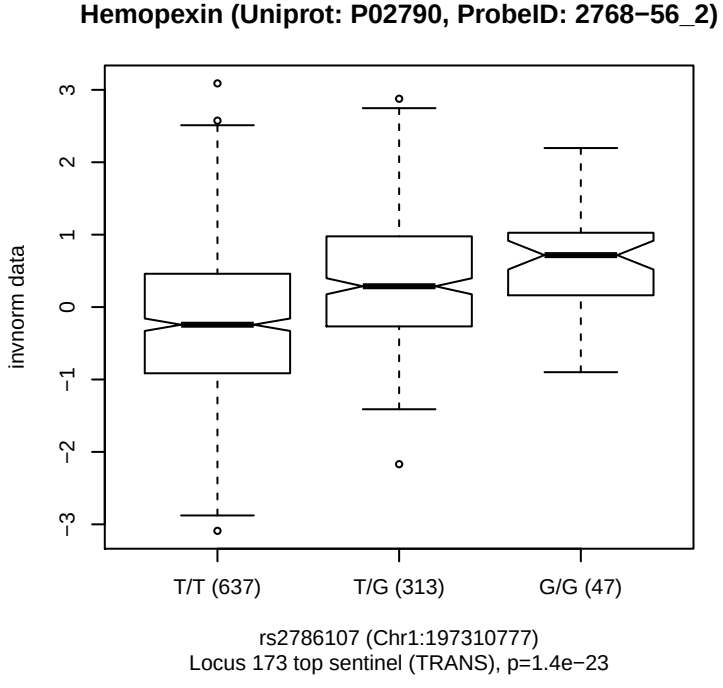

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
Frequency
0
100
200
300
400
0
500
1000
1500
2000
2500
3000
3500
raw data
Hemopexin

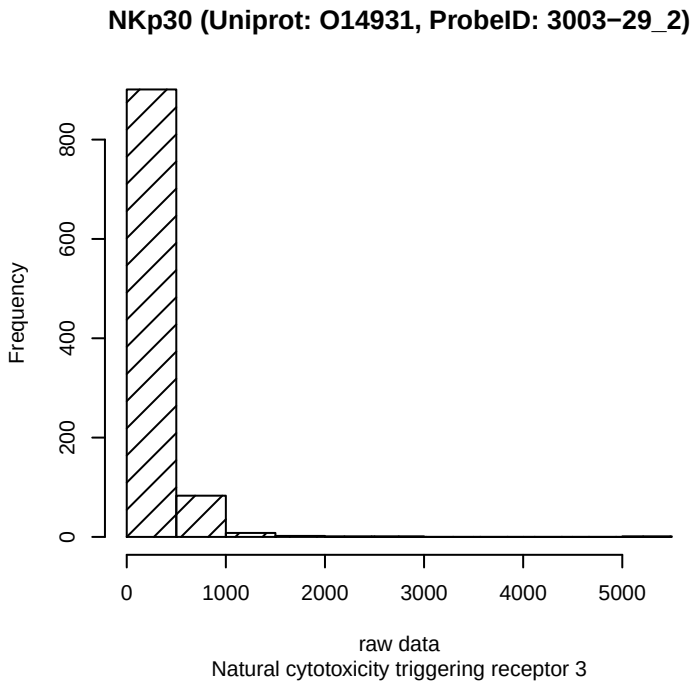

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
raw data
0
500
1000
1500
2000
2500
3000
3500
T/T (637)
T/G (313)
G/G (47)
rs2786107 (Chr1:197310777)
Locus 173 top sentinel (TRANS), p=1.3e−21

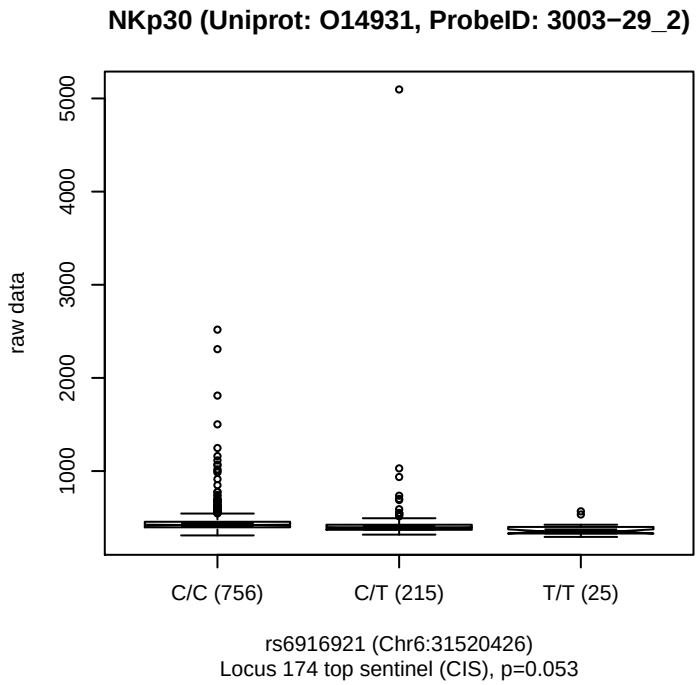

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
Frequency
0
50
100
150
200
250
6
7
8
9
10
11
12
log2−scaled data
Hemopexin

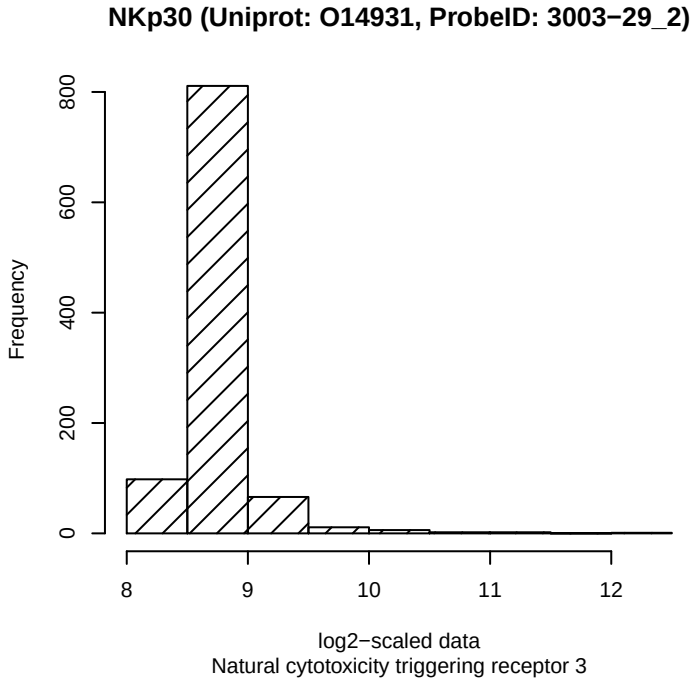

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
log2−scaled data
6
7
8
9
10
11
T/T (637)
T/G (313)
G/G (47)
rs2786107 (Chr1:197310777)
Locus 173 top sentinel (TRANS), p=2.3e−23, FC=1.351

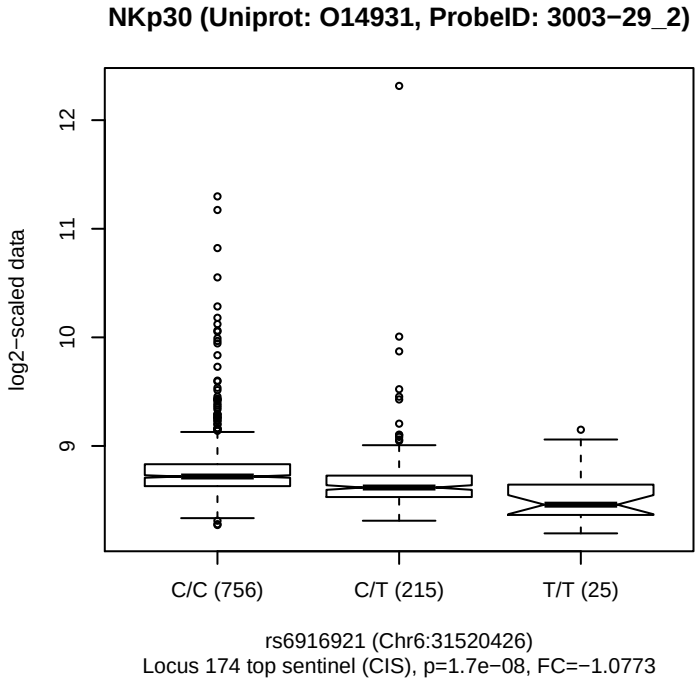

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Hemopexin

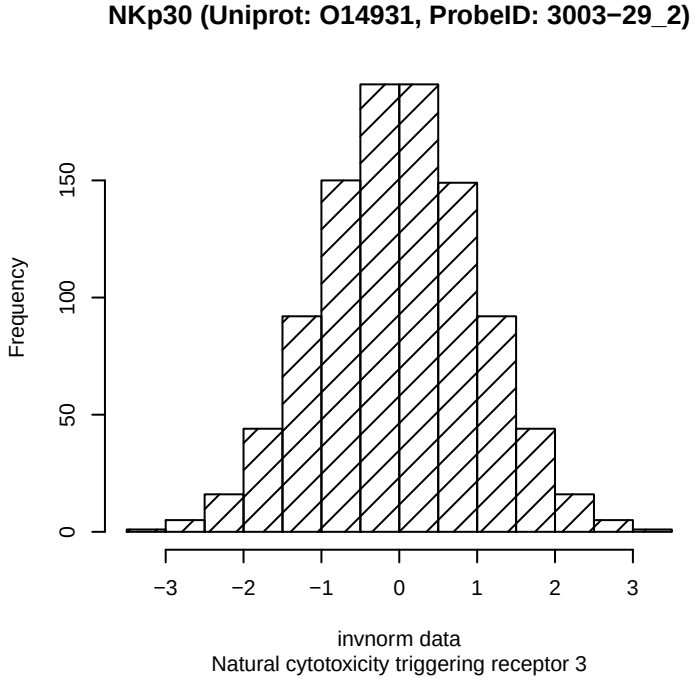

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (637)
T/G (313)
G/G (47)
rs2786107 (Chr1:197310777)
Locus 173 top sentinel (TRANS), p=1.4e−23

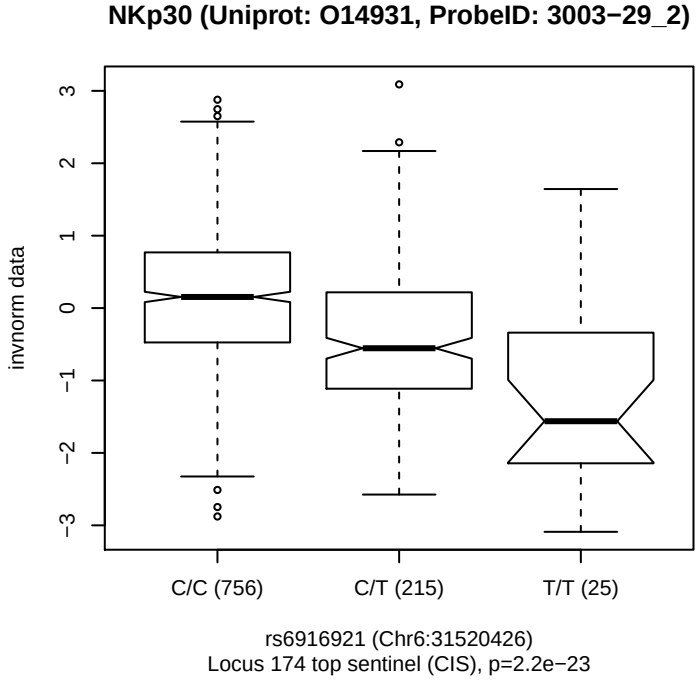

NKp30 (Uniprot: O14931, ProbeID: 3003−29_2)
Frequency
0
200
400
600
800
0
1000
2000
3000
4000
5000
raw data
Natural cytotoxicity triggering receptor 3

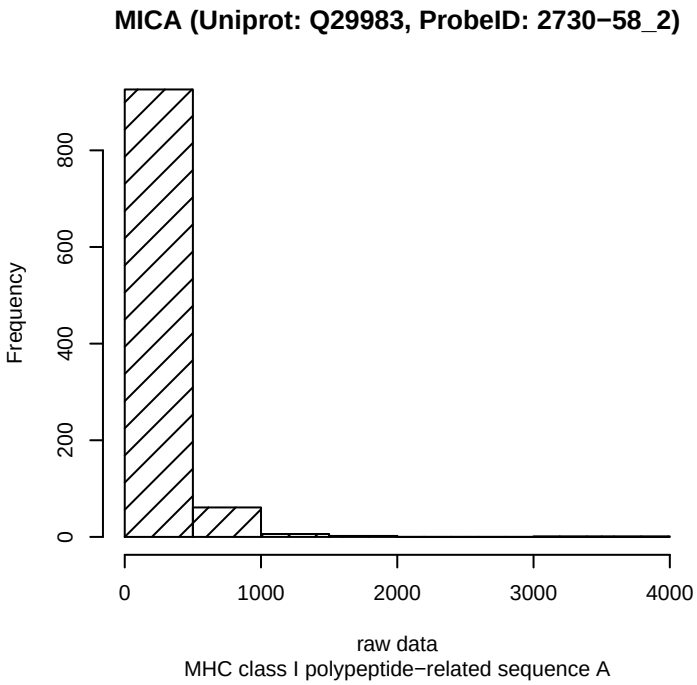

NKp30 (Uniprot: O14931, ProbeID: 3003−29_2)
raw data
1000
2000
3000
4000
5000
C/C (756)
C/T (215)
T/T (25)
rs6916921 (Chr6:31520426)
Locus 174 top sentinel (CIS), p=0.053

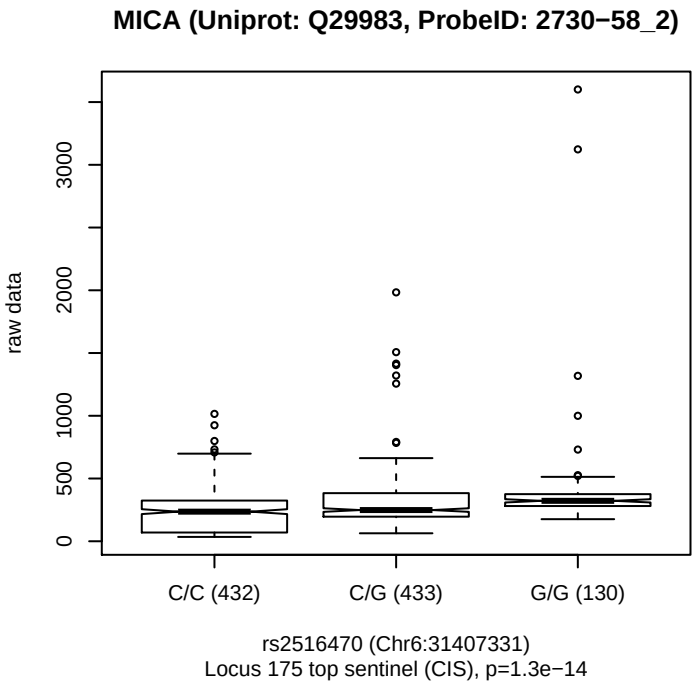

NKp30 (Uniprot: O14931, ProbeID: 3003−29_2)
Frequency
0
200
400
600
800
8
9
10
11
12
log2−scaled data
Natural cytotoxicity triggering receptor 3

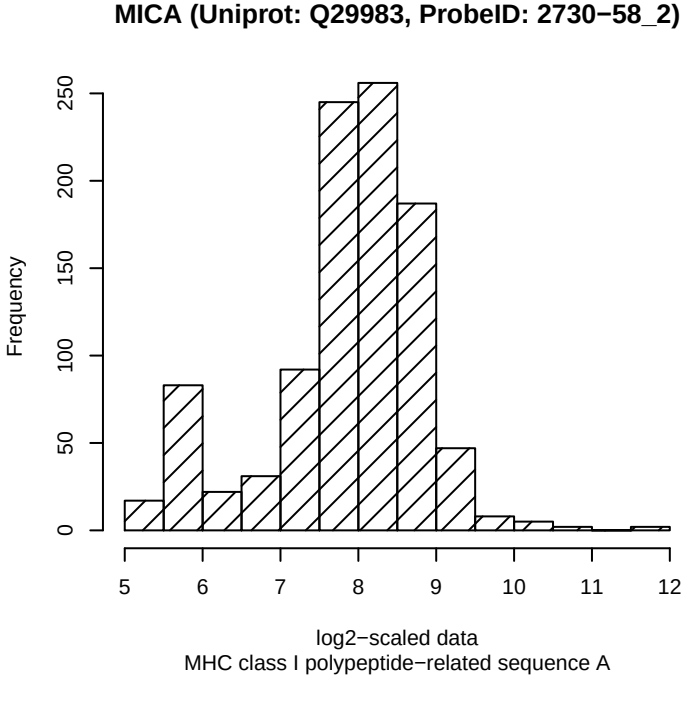

NKp30 (Uniprot: O14931, ProbeID: 3003−29_2)
log2−scaled data
9
10
11
12
C/C (756)
C/T (215)
T/T (25)
rs6916921 (Chr6:31520426)
Locus 174 top sentinel (CIS), p=1.7e−08, FC=−1.0773

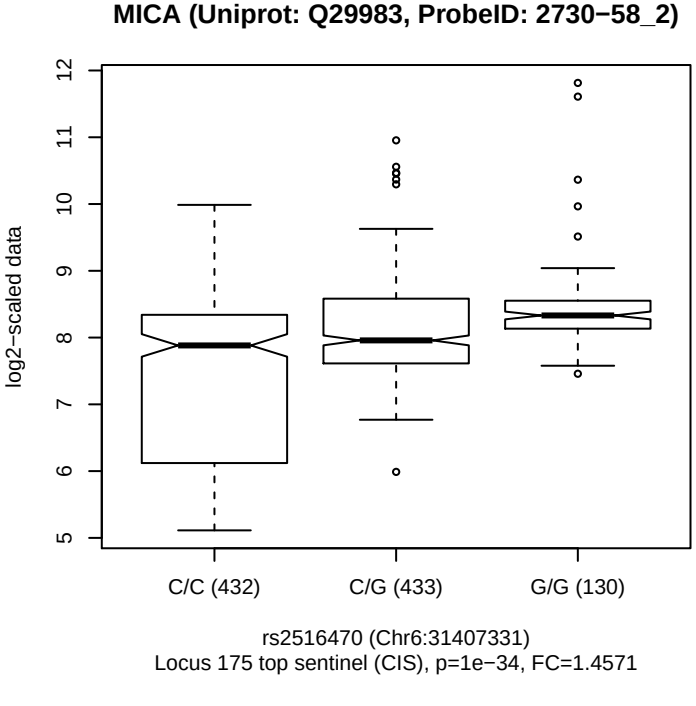

NKp30 (Uniprot: O14931, ProbeID: 3003−29_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Natural cytotoxicity triggering receptor 3

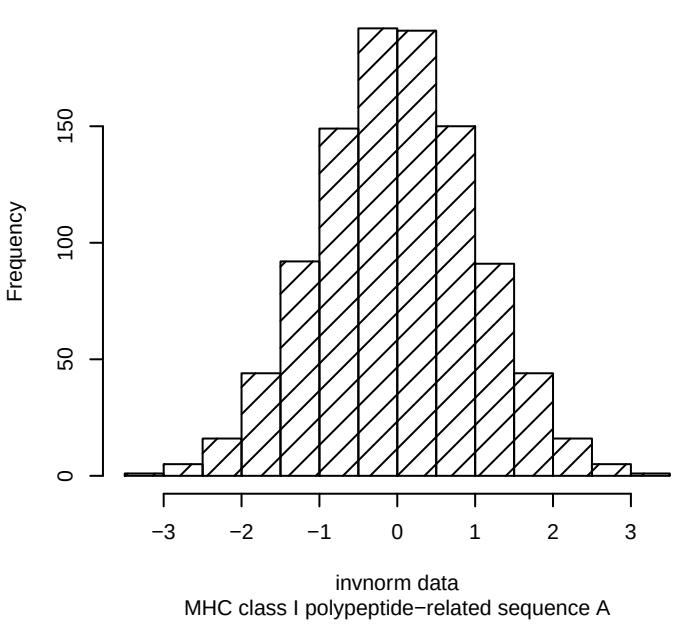

NKp30 (Uniprot: O14931, ProbeID: 3003−29_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (756)
C/T (215)
T/T (25)
rs6916921 (Chr6:31520426)
Locus 174 top sentinel (CIS), p=2.2e−23

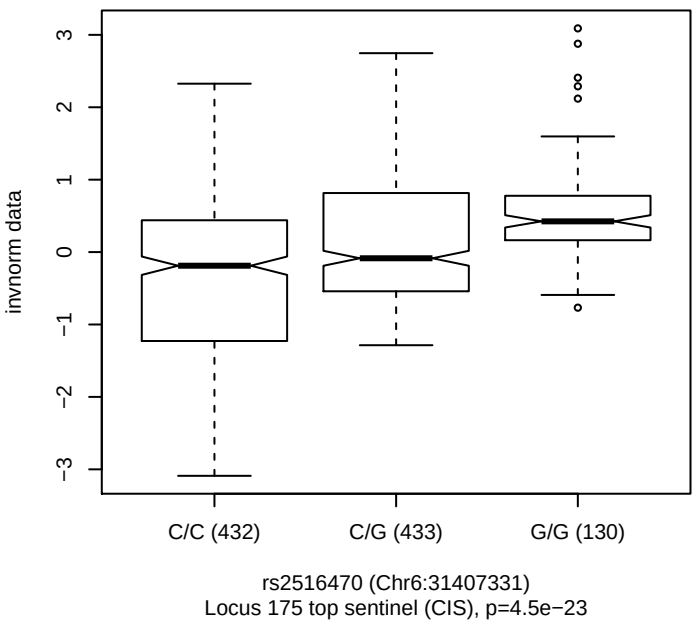

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
200
400
600
800
0
1000
2000
3000
4000
raw data
MHC class I polypeptide−related sequence A

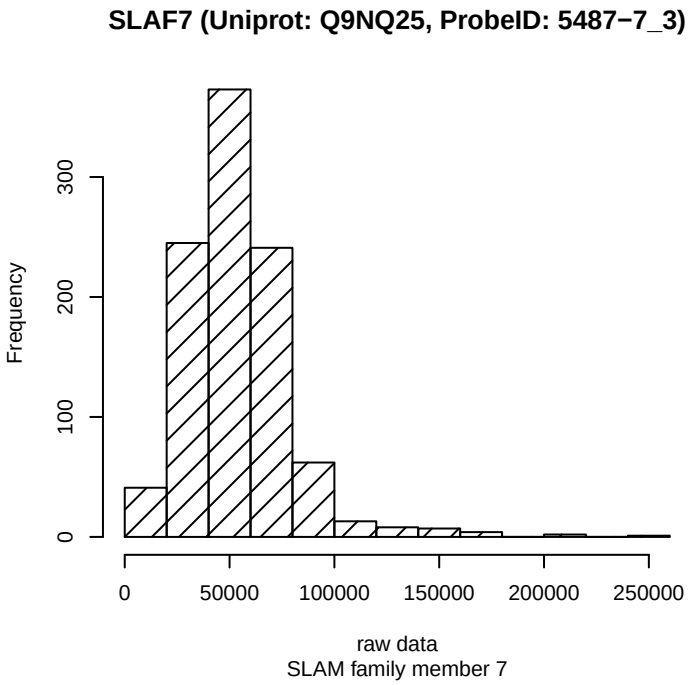

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
raw data
0
500
1000
2000
3000
C/C (432)
C/G (433)
G/G (130)
rs2516470 (Chr6:31407331)
Locus 175 top sentinel (CIS), p=1.3e−14

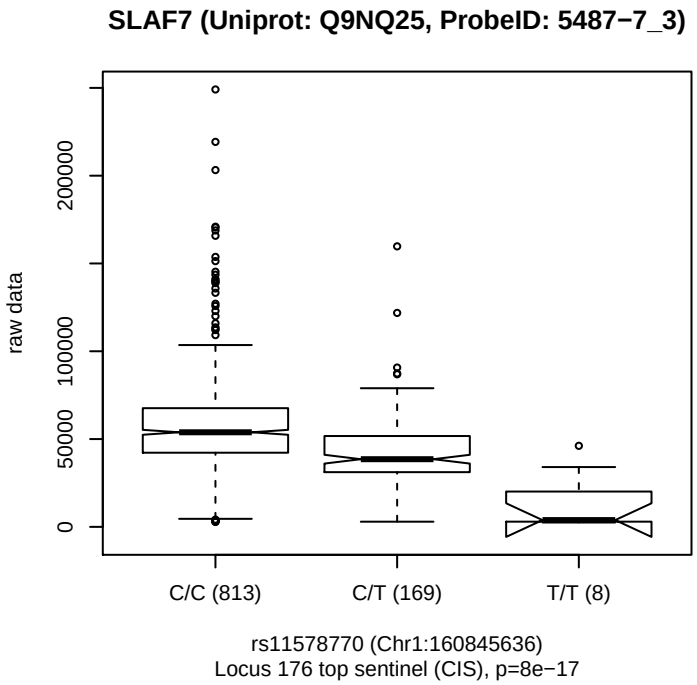

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
200
250
5
6
7
8
9
10
11
12
log2−scaled data
MHC class I polypeptide−related sequence A

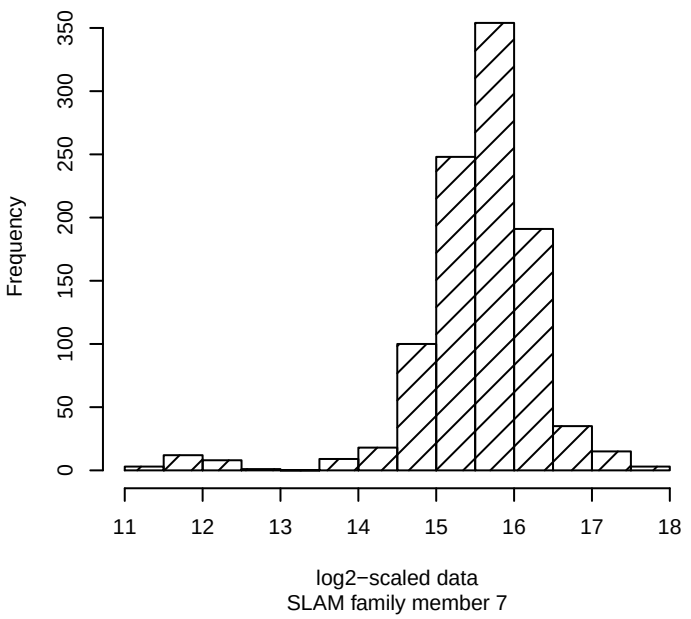

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
log2−scaled data
5
6
7
8
9
10
11
12
C/C (432)
C/G (433)
G/G (130)
rs2516470 (Chr6:31407331)
Locus 175 top sentinel (CIS), p=1e−34, FC=1.4571

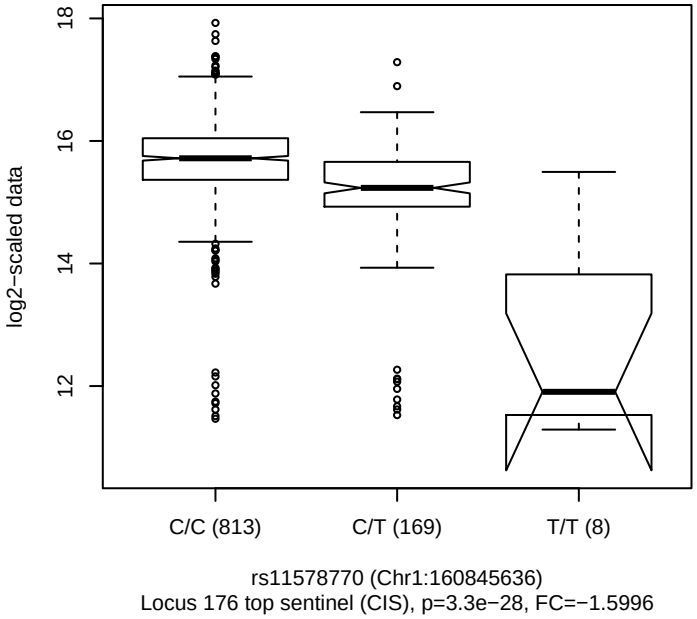

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence A

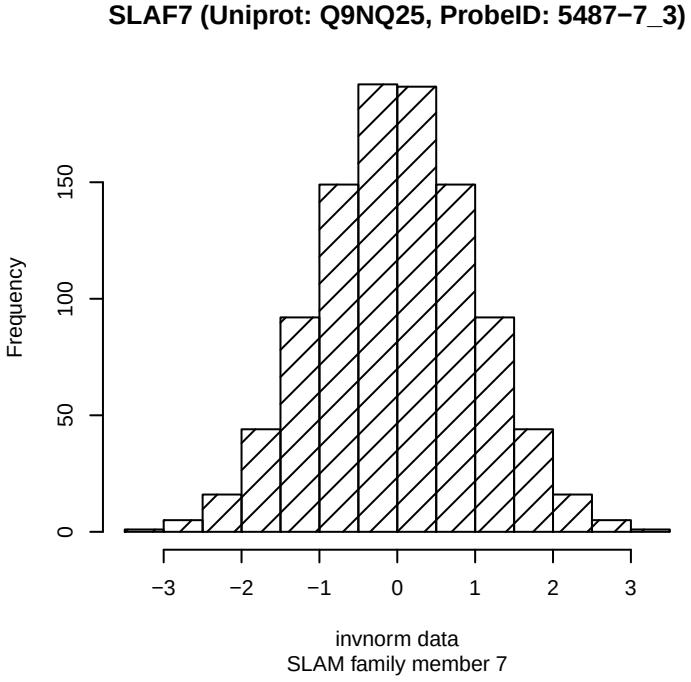

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (432)
C/G (433)
G/G (130)
rs2516470 (Chr6:31407331)
Locus 175 top sentinel (CIS), p=4.5e−23

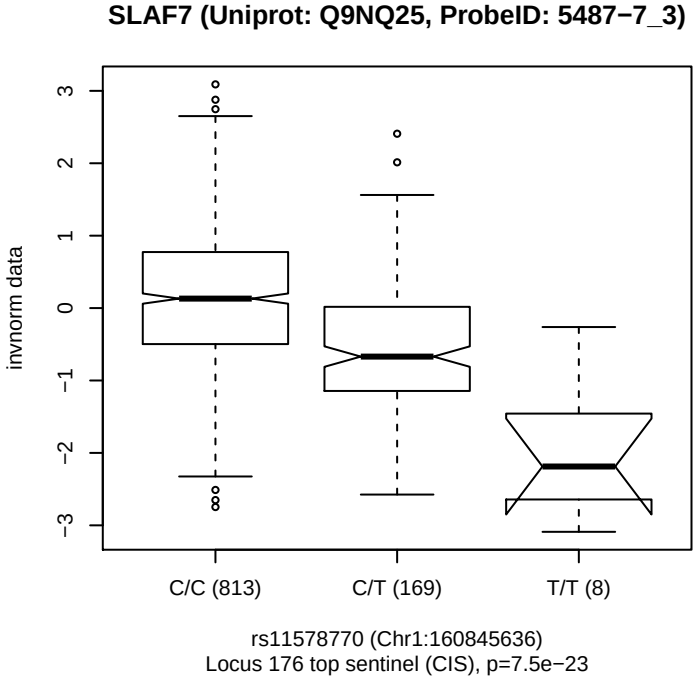

SLAF7 (Uniprot: Q9NQ25, ProbeID: 5487−7_3)
Frequency
0
100
200
300
0
50000
100000
150000
200000
250000
raw data
SLAM family member 7

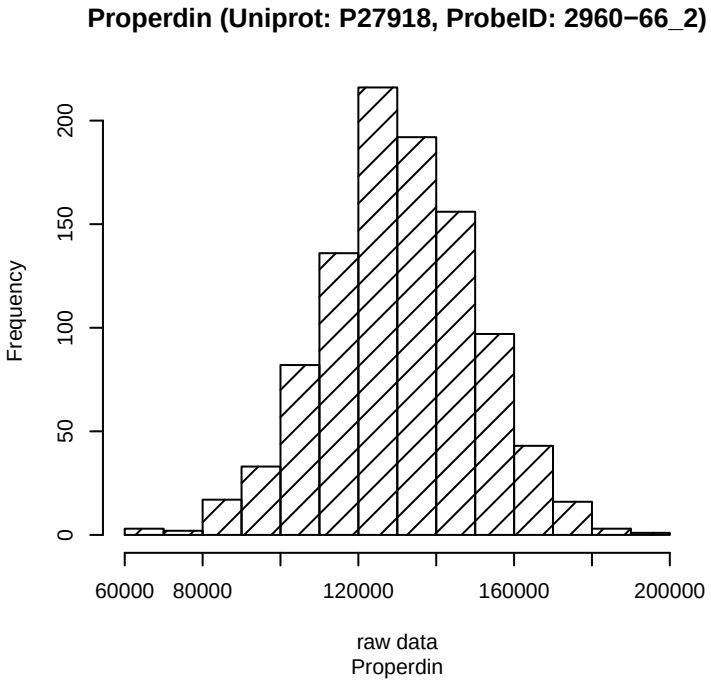

SLAF7 (Uniprot: Q9NQ25, ProbeID: 5487−7_3)
raw data
0
50000
100000
200000
C/C (813)
C/T (169)
T/T (8)
rs11578770 (Chr1:160845636)
Locus 176 top sentinel (CIS), p=8e−17

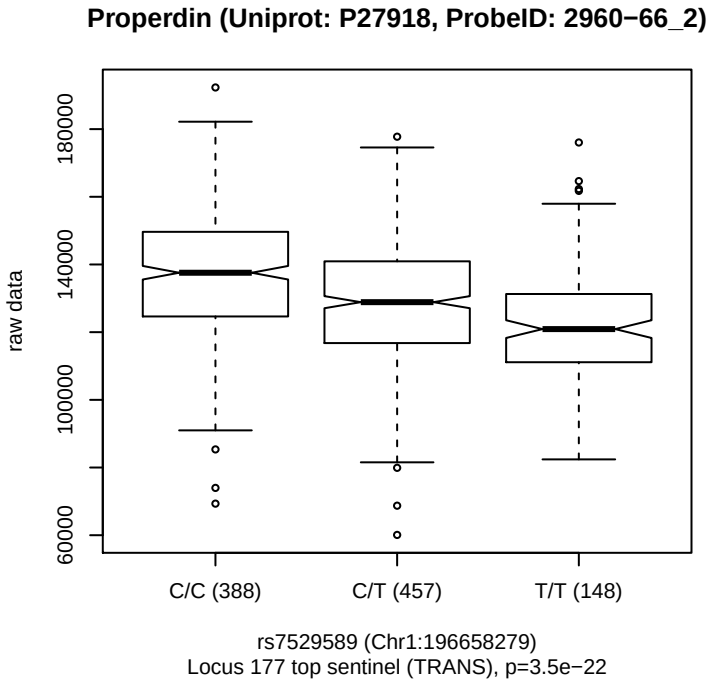

SLAF7 (Uniprot: Q9NQ25, ProbeID: 5487−7_3)
Frequency
0
50
100
150
200
250
300
350
11
12
13
14
15
16
17
18
log2−scaled data
SLAM family member 7

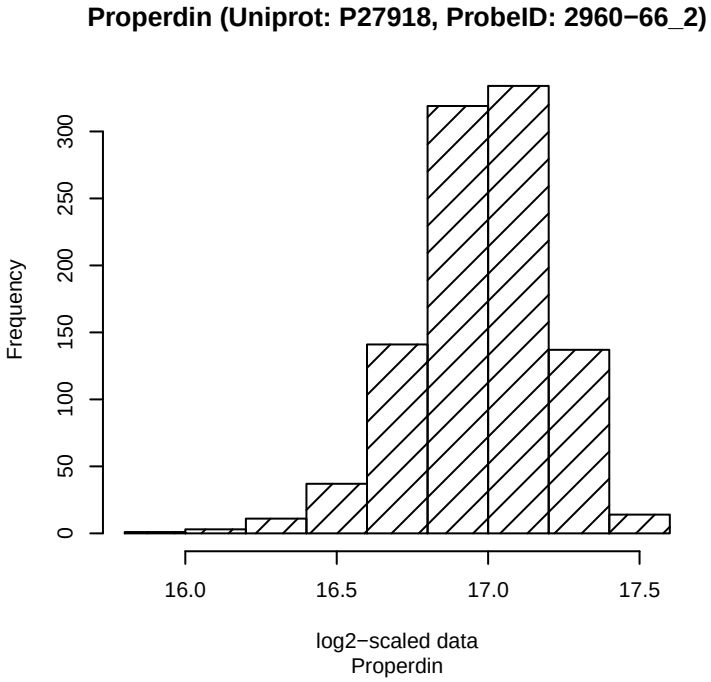

SLAF7 (Uniprot: Q9NQ25, ProbeID: 5487−7_3)
log2−scaled data
12
14
16
18
C/C (813)
C/T (169)
T/T (8)
rs11578770 (Chr1:160845636)
Locus 176 top sentinel (CIS), p=3.3e−28, FC=−1.5996

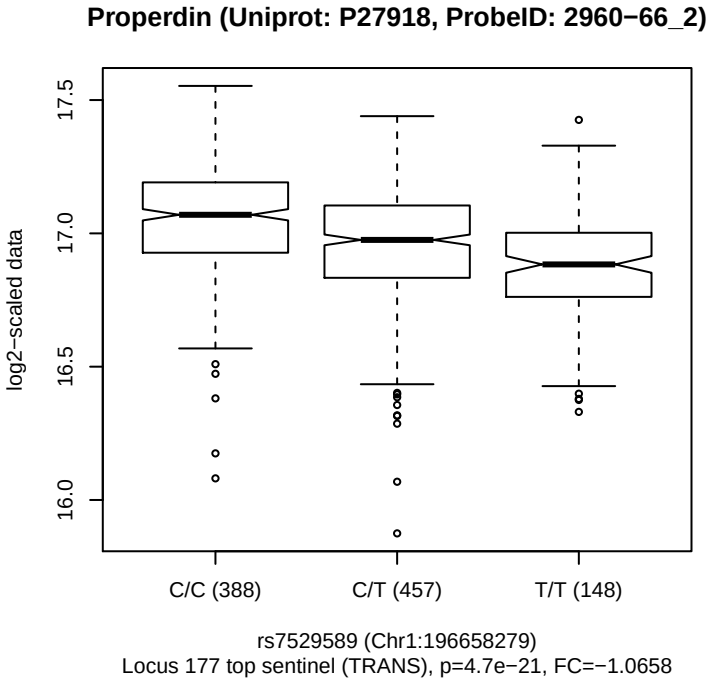

SLAF7 (Uniprot: Q9NQ25, ProbeID: 5487−7_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
SLAM family member 7

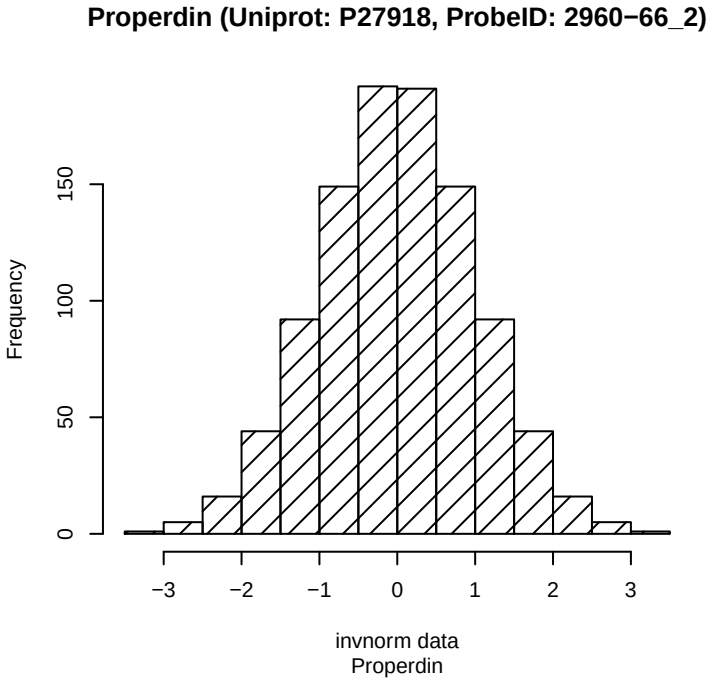

SLAF7 (Uniprot: Q9NQ25, ProbeID: 5487−7_3)
invnorm data
−3
−2
−1
0
1
2
3
C/C (813)
C/T (169)
T/T (8)
rs11578770 (Chr1:160845636)
Locus 176 top sentinel (CIS), p=7.5e−23

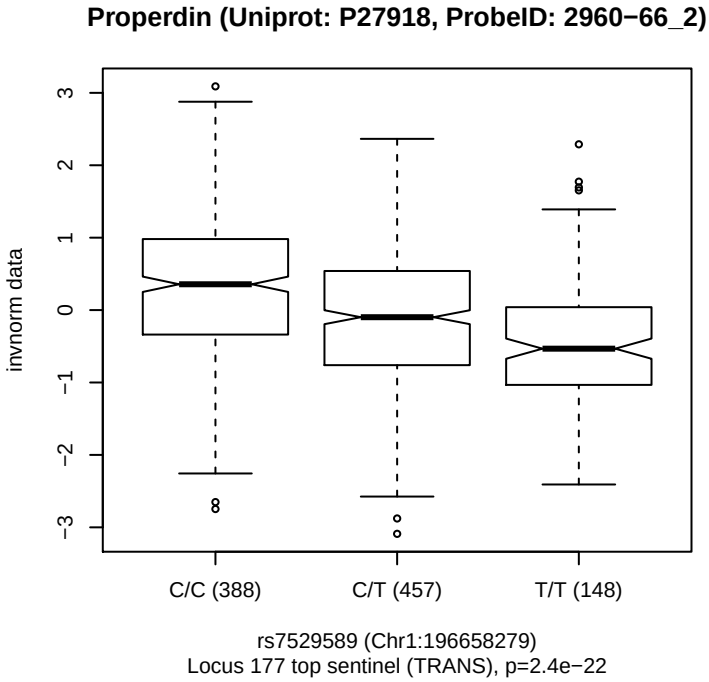

Properdin (Uniprot: P27918, ProbeID: 2960−66_2)
Frequency
0
50
100
150
200
60000
80000
120000
160000
200000
raw data
Properdin

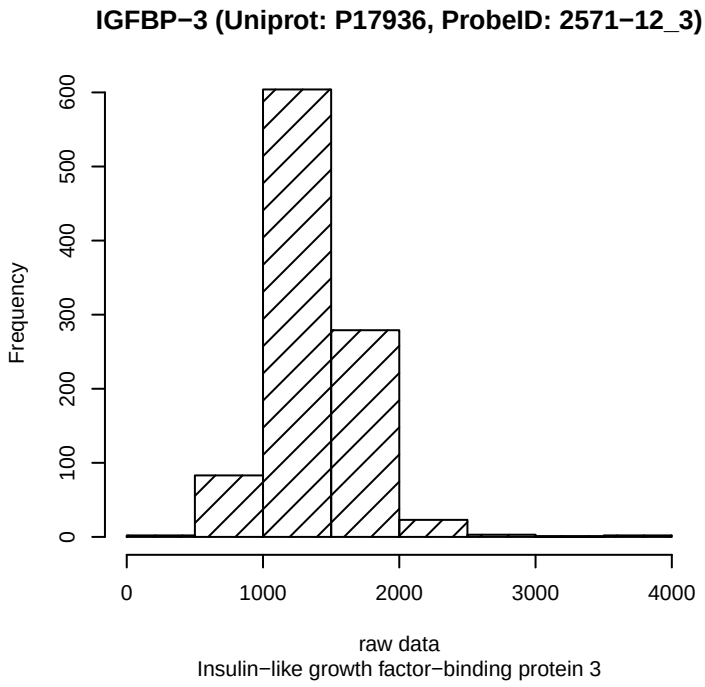

Properdin (Uniprot: P27918, ProbeID: 2960−66_2)
raw data
60000
100000
140000
180000
C/C (388)
C/T (457)
T/T (148)
rs7529589 (Chr1:196658279)
Locus 177 top sentinel (TRANS), p=3.5e−22

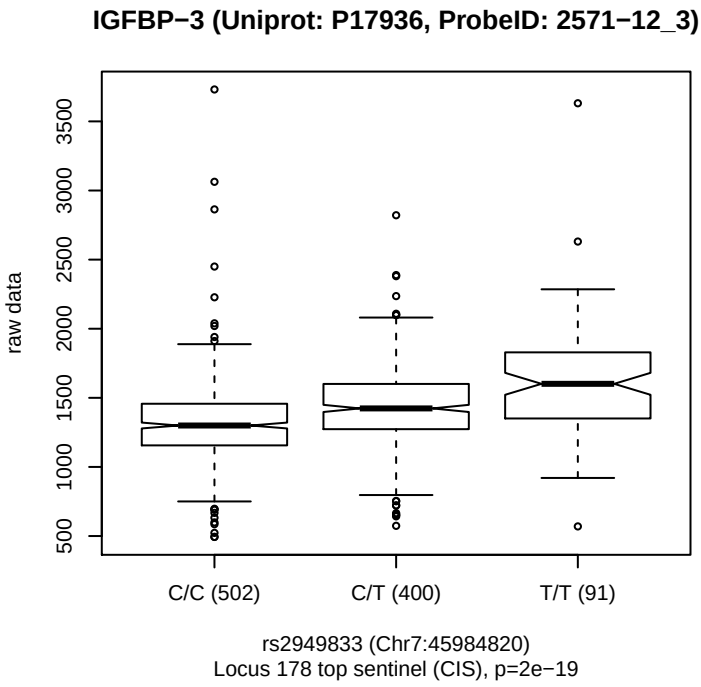

Properdin (Uniprot: P27918, ProbeID: 2960−66_2)
Frequency
0
50
100
150
200
250
300
16.0
16.5
17.0
17.5
log2−scaled data
Properdin

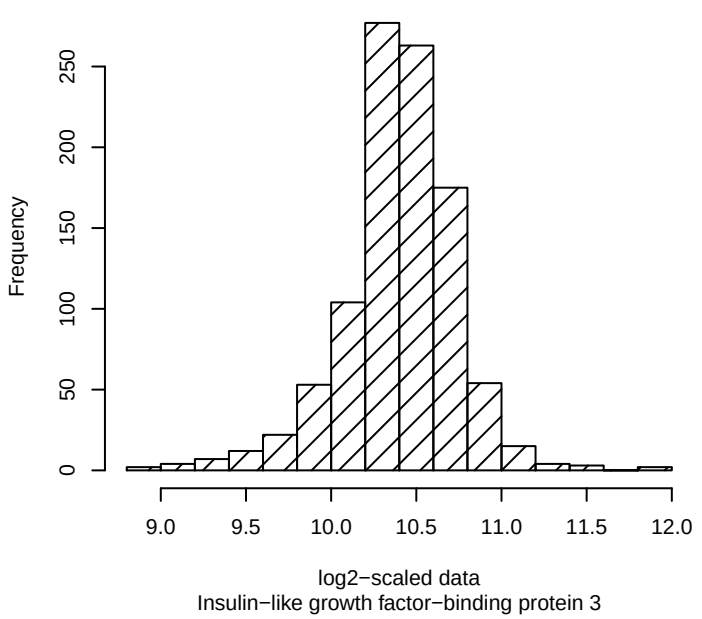

Properdin (Uniprot: P27918, ProbeID: 2960−66_2)
log2−scaled data
16.0
16.5
17.0
17.5
C/C (388)
C/T (457)
T/T (148)
rs7529589 (Chr1:196658279)
Locus 177 top sentinel (TRANS), p=4.7e−21, FC=−1.0658

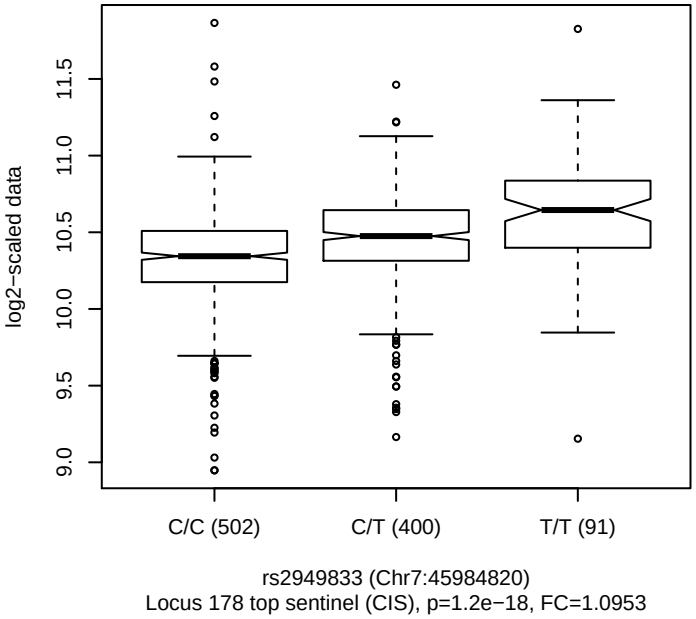

Properdin (Uniprot: P27918, ProbeID: 2960−66_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Properdin

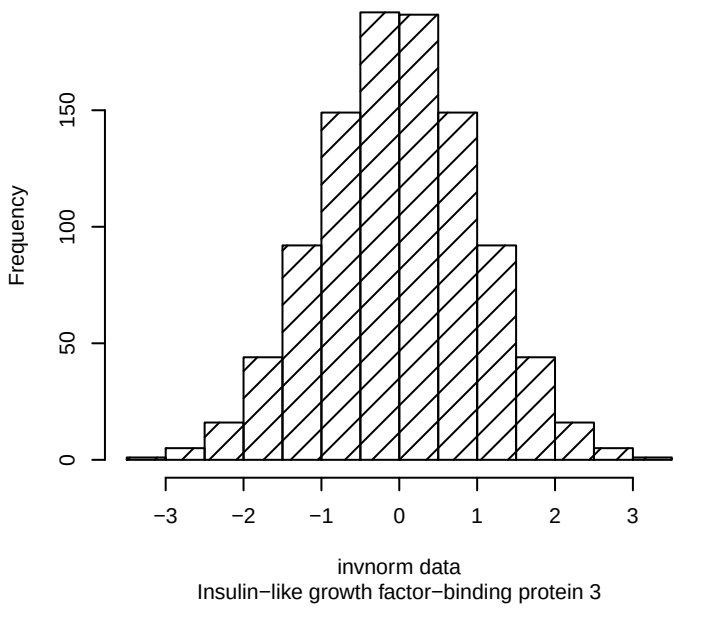

Properdin (Uniprot: P27918, ProbeID: 2960−66_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (388)
C/T (457)
T/T (148)
rs7529589 (Chr1:196658279)
Locus 177 top sentinel (TRANS), p=2.4e−22

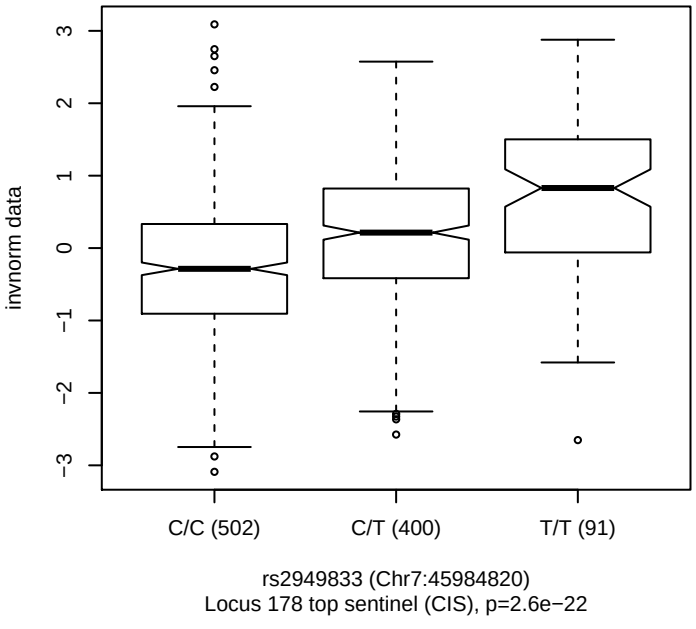

IGFBP−3 (Uniprot: P17936, ProbeID: 2571−12_3)
Frequency
0
100
200
300
400
500
600
0
1000
2000
3000
4000
raw data
Insulin−like growth factor−binding protein 3

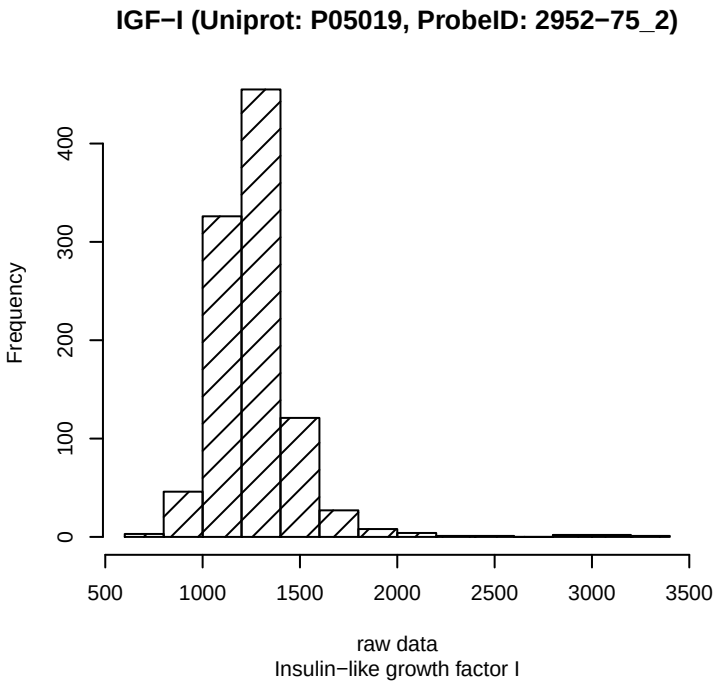

IGFBP−3 (Uniprot: P17936, ProbeID: 2571−12_3)
raw data
500
1000
1500
2000
2500
3000
3500
C/C (502)
C/T (400)
T/T (91)
rs2949833 (Chr7:45984820)
Locus 178 top sentinel (CIS), p=2e−19

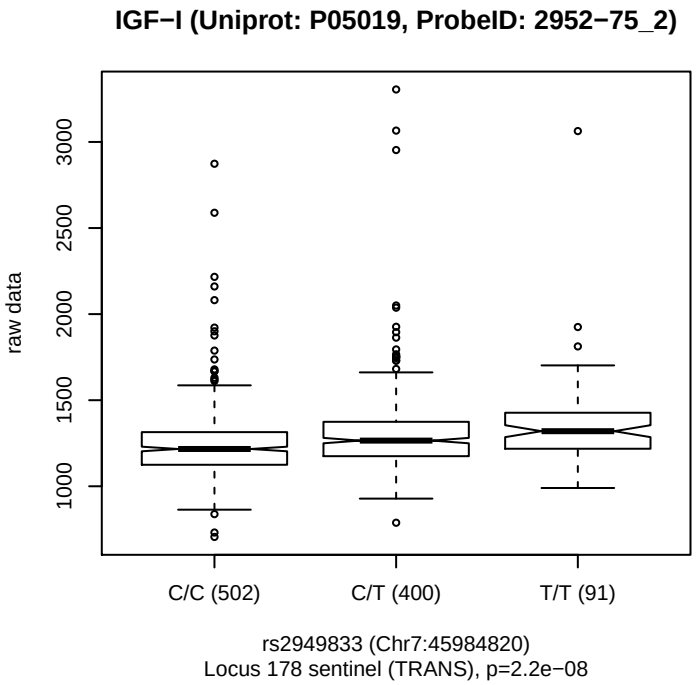

IGFBP−3 (Uniprot: P17936, ProbeID: 2571−12_3)
Frequency
0
50
100
150
200
250
9.0
9.5
10.0
10.5
11.0
11.5
12.0
log2−scaled data
Insulin−like growth factor−binding protein 3

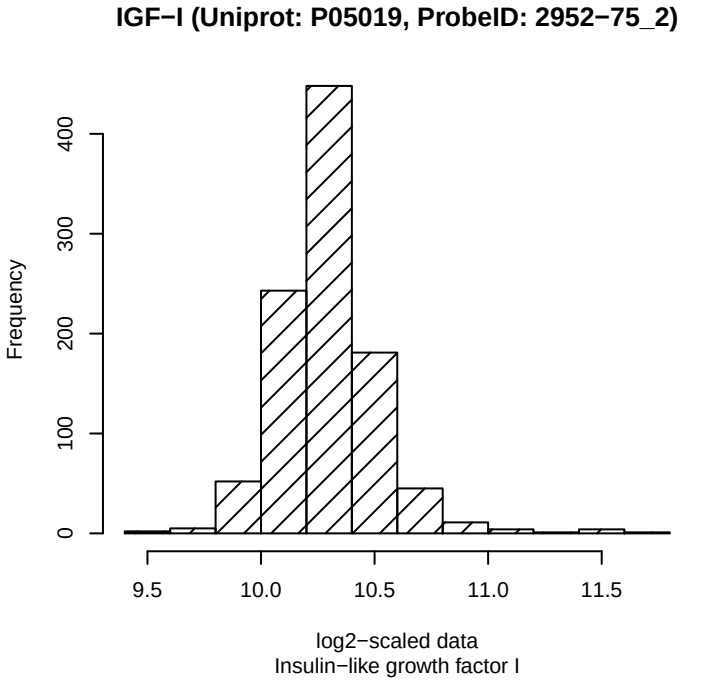

IGFBP−3 (Uniprot: P17936, ProbeID: 2571−12_3)
log2−scaled data
9.0
9.5
10.0
10.5
11.0
11.5
C/C (502)
C/T (400)
T/T (91)
rs2949833 (Chr7:45984820)
Locus 178 top sentinel (CIS), p=1.2e−18, FC=1.0953

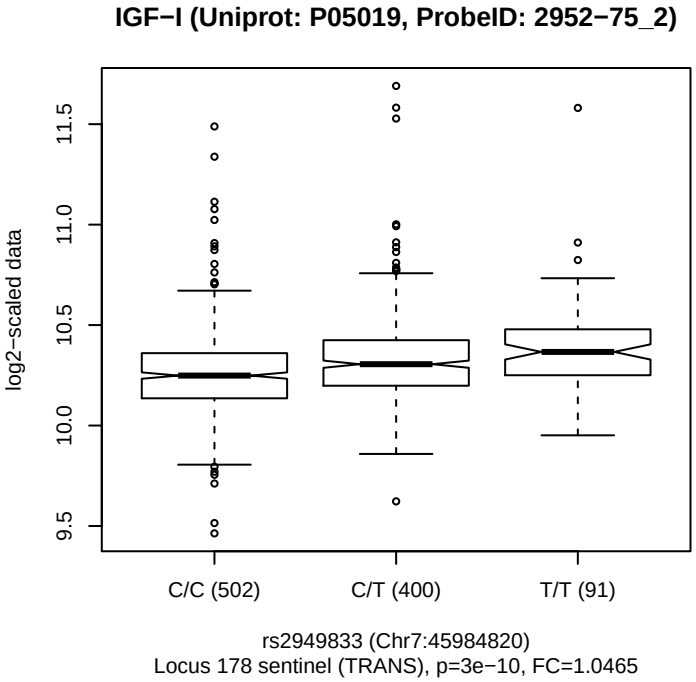

IGFBP−3 (Uniprot: P17936, ProbeID: 2571−12_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Insulin−like growth factor−binding protein 3

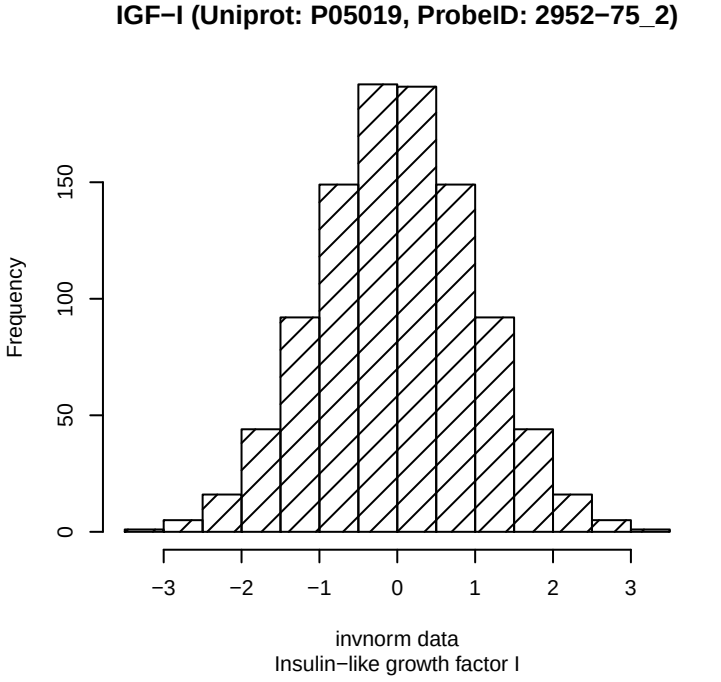

IGFBP−3 (Uniprot: P17936, ProbeID: 2571−12_3)
invnorm data
−3
−2
−1
0
1
2
3
C/C (502)
C/T (400)
T/T (91)
rs2949833 (Chr7:45984820)
Locus 178 top sentinel (CIS), p=2.6e−22

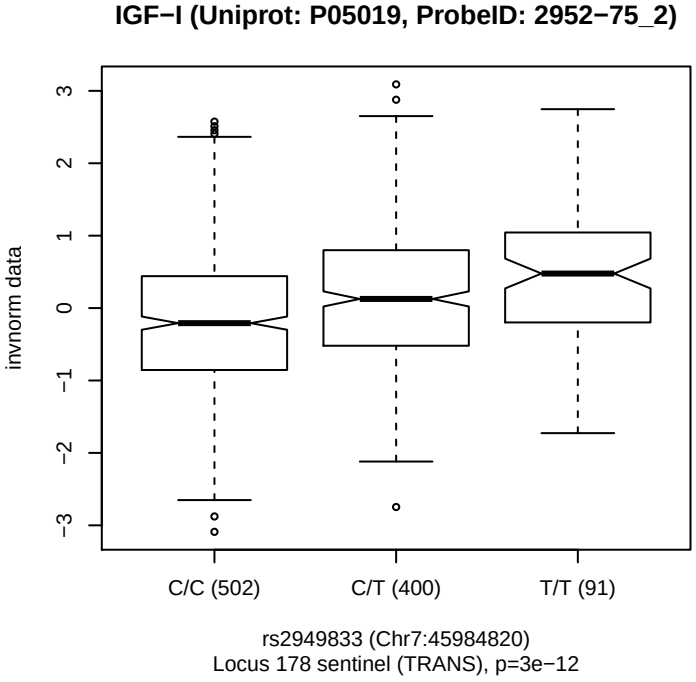

IGF−I (Uniprot: P05019, ProbeID: 2952−75_2)
Frequency
0
100
200
300
400
500
1000
1500
2000
2500
3000
3500
raw data
Insulin−like growth factor I

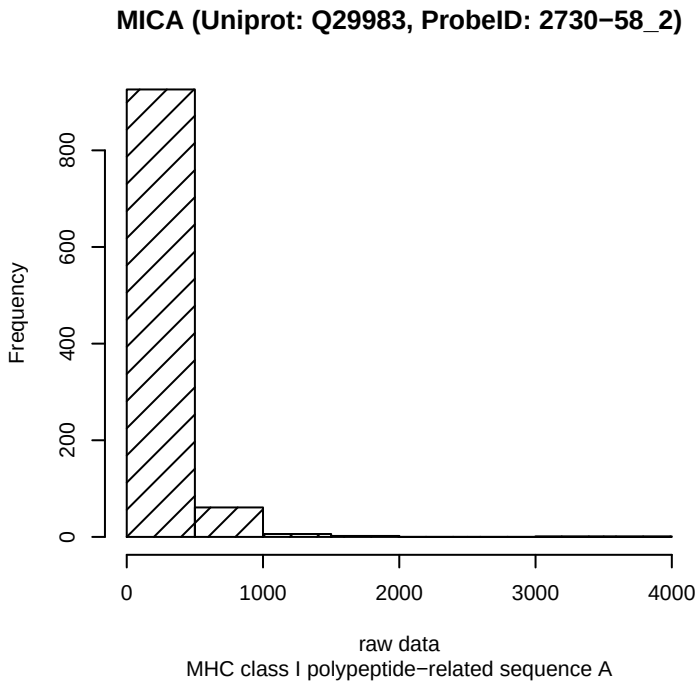

IGF−I (Uniprot: P05019, ProbeID: 2952−75_2)
raw data
1000
1500
2000
2500
3000
C/C (502)
C/T (400)
T/T (91)
rs2949833 (Chr7:45984820)
Locus 178 sentinel (TRANS), p=2.2e−08

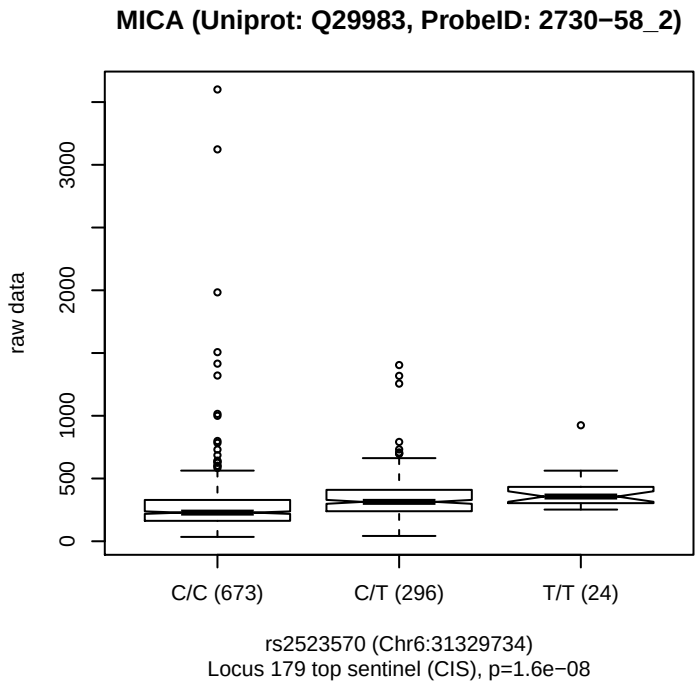

IGF−I (Uniprot: P05019, ProbeID: 2952−75_2)
Frequency
0
100
200
300
400
9.5
10.0
10.5
11.0
11.5
log2−scaled data
Insulin−like growth factor I

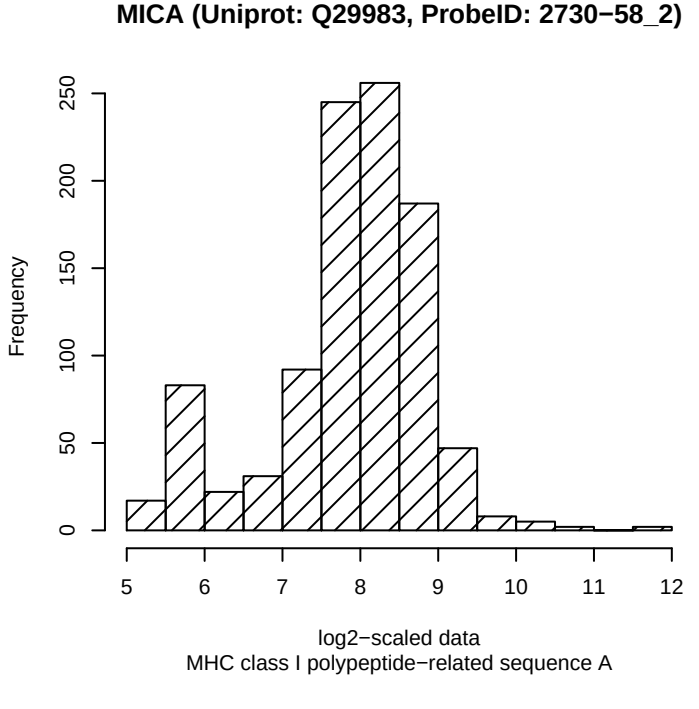

IGF−I (Uniprot: P05019, ProbeID: 2952−75_2)
log2−scaled data
9.5
10.0
10.5
11.0
11.5
C/C (502)
C/T (400)
T/T (91)
rs2949833 (Chr7:45984820)
Locus 178 sentinel (TRANS), p=3e−10, FC=1.0465

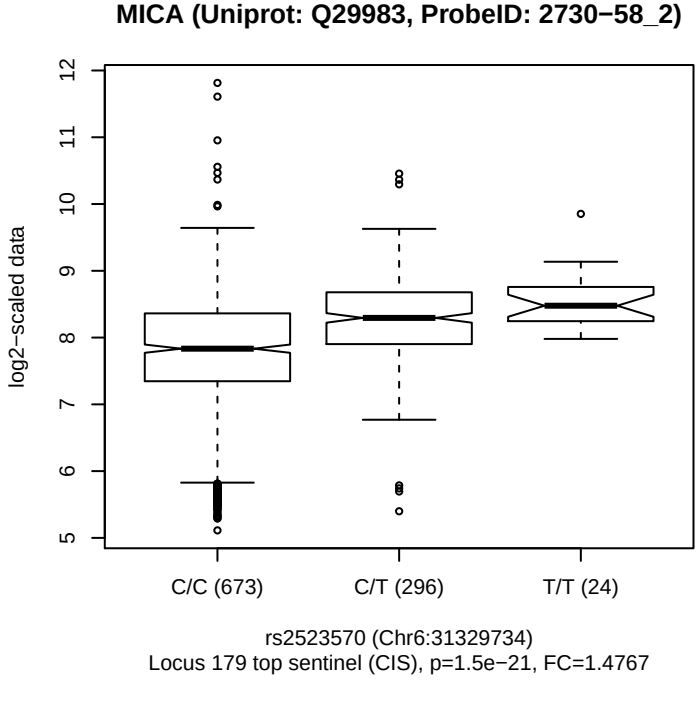

IGF−I (Uniprot: P05019, ProbeID: 2952−75_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Insulin−like growth factor I

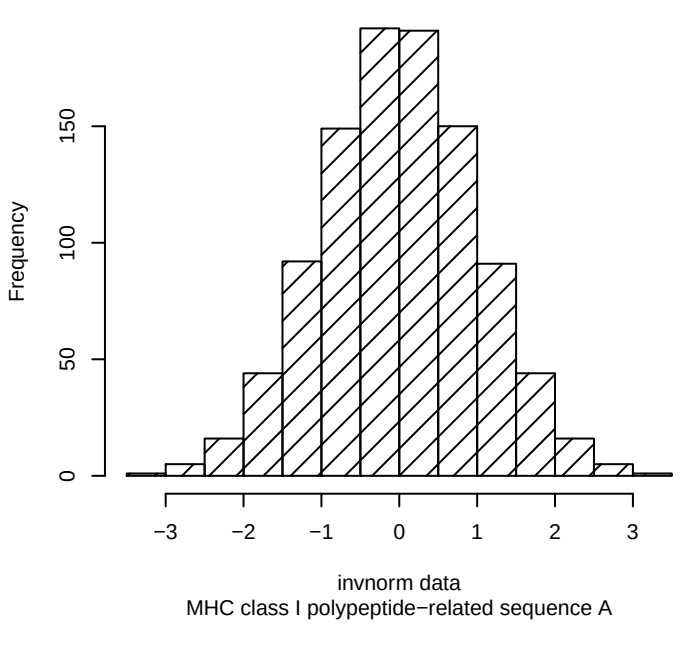

IGF−I (Uniprot: P05019, ProbeID: 2952−75_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (502)
C/T (400)
T/T (91)
rs2949833 (Chr7:45984820)
Locus 178 sentinel (TRANS), p=3e−12

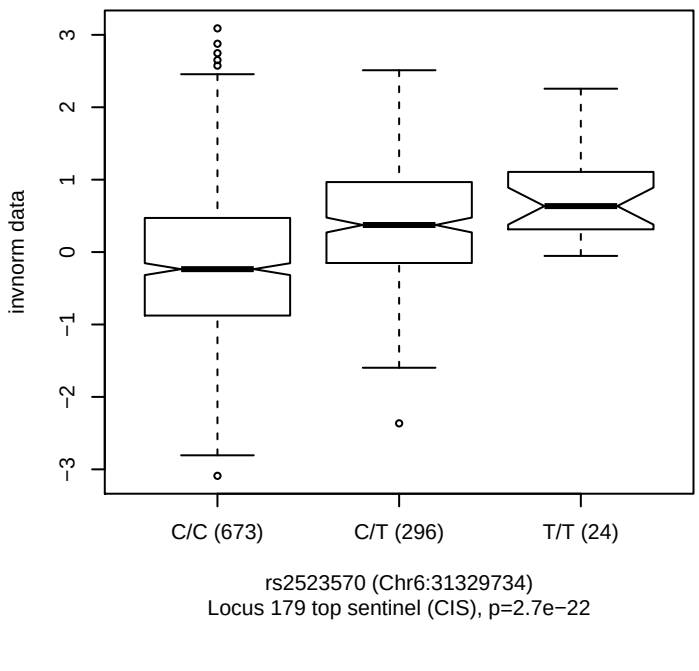

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
200
400
600
800
0
1000
2000
3000
4000
raw data
MHC class I polypeptide−related sequence A

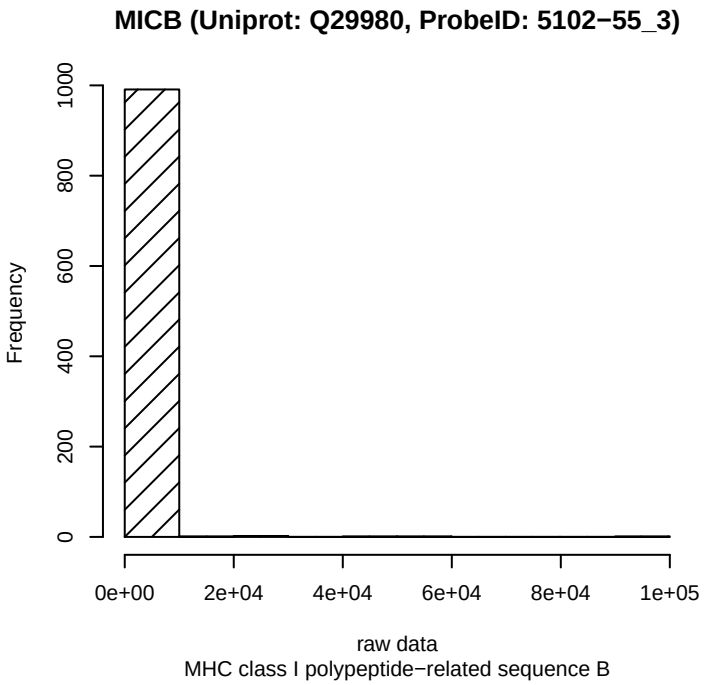

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
raw data
0
500
1000
2000
3000
C/C (673)
C/T (296)
T/T (24)
rs2523570 (Chr6:31329734)
Locus 179 top sentinel (CIS), p=1.6e−08

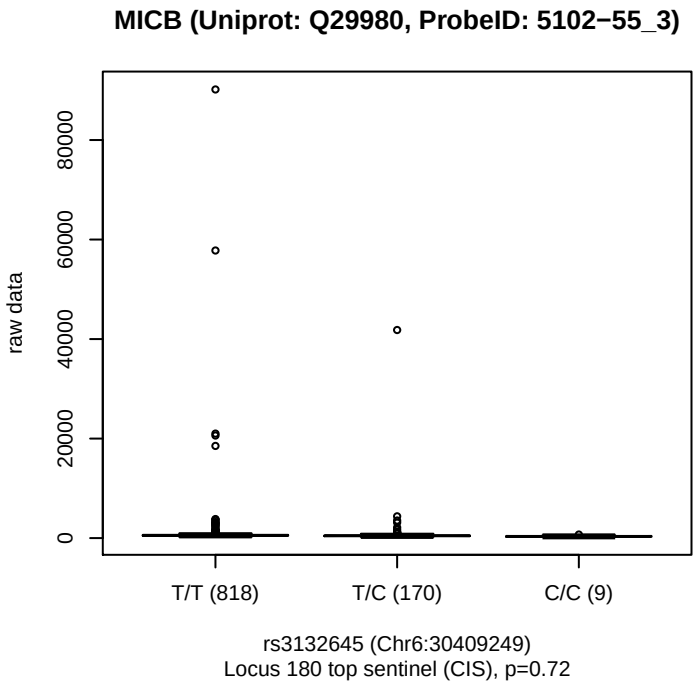

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
200
250
5
6
7
8
9
10
11
12
log2−scaled data
MHC class I polypeptide−related sequence A

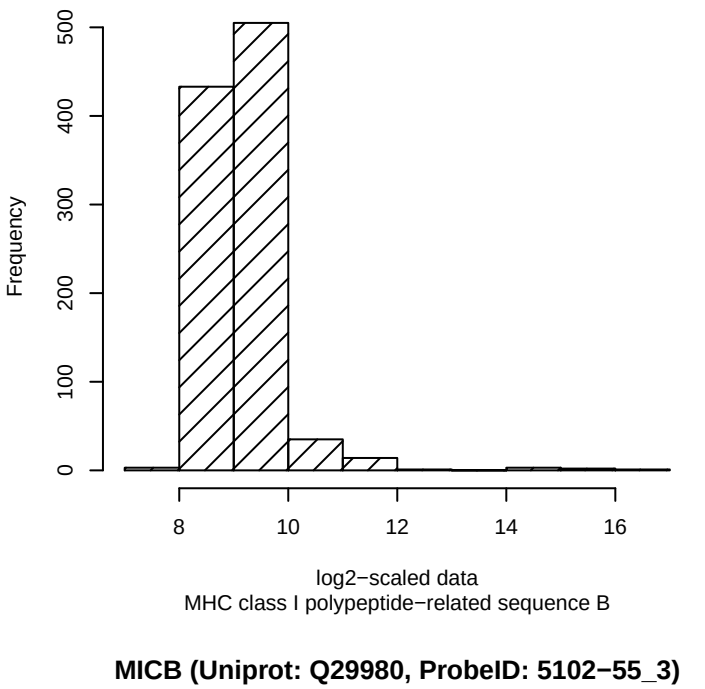

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
log2−scaled data
5
6
7
8
9
10
11
12
C/C (673)
C/T (296)
T/T (24)
rs2523570 (Chr6:31329734)
Locus 179 top sentinel (CIS), p=1.5e−21, FC=1.4767

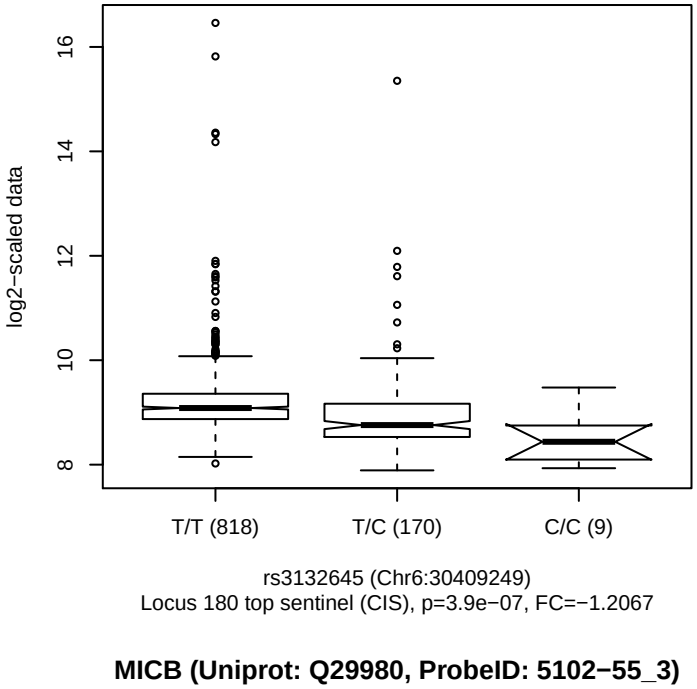

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence A

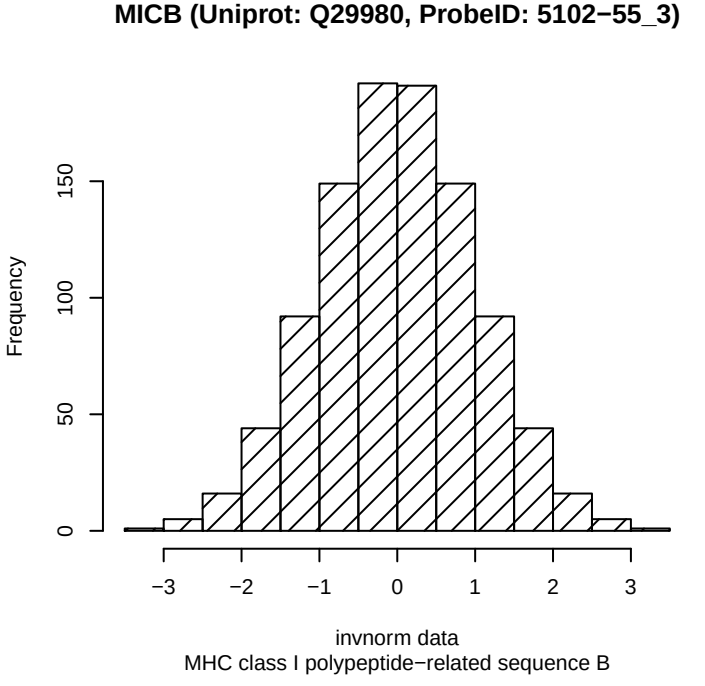

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (673)
C/T (296)
T/T (24)
rs2523570 (Chr6:31329734)
Locus 179 top sentinel (CIS), p=2.7e−22

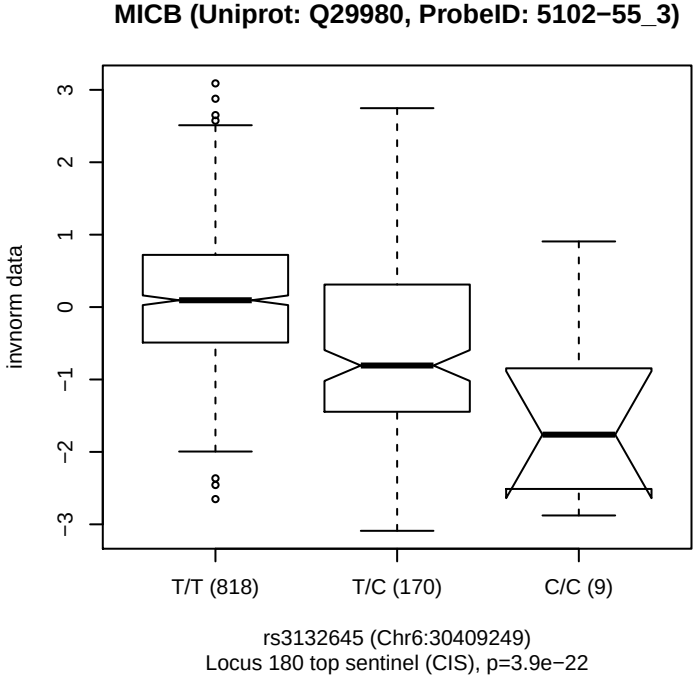

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
200
400
600
800
1000
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
raw data
MHC class I polypeptide−related sequence B


MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
raw data
0
20000
40000
60000
80000
T/T (818)
T/C (170)
C/C (9)
rs3132645 (Chr6:30409249)
Locus 180 top sentinel (CIS), p=0.72

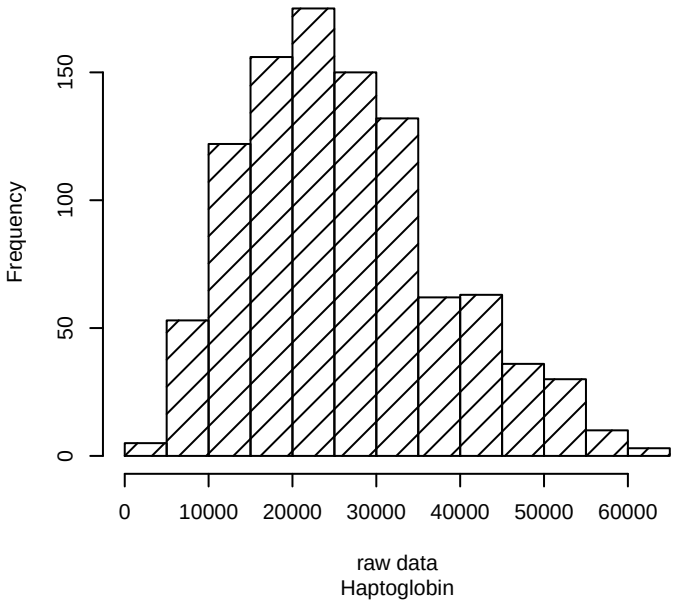

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
100
200
300
400
500
8
10
12
14
16
log2−scaled data
MHC class I polypeptide−related sequence B


MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
log2−scaled data
8
10
12
14
16
T/T (818)
T/C (170)
C/C (9)
rs3132645 (Chr6:30409249)
Locus 180 top sentinel (CIS), p=3.9e−07, FC=−1.2067

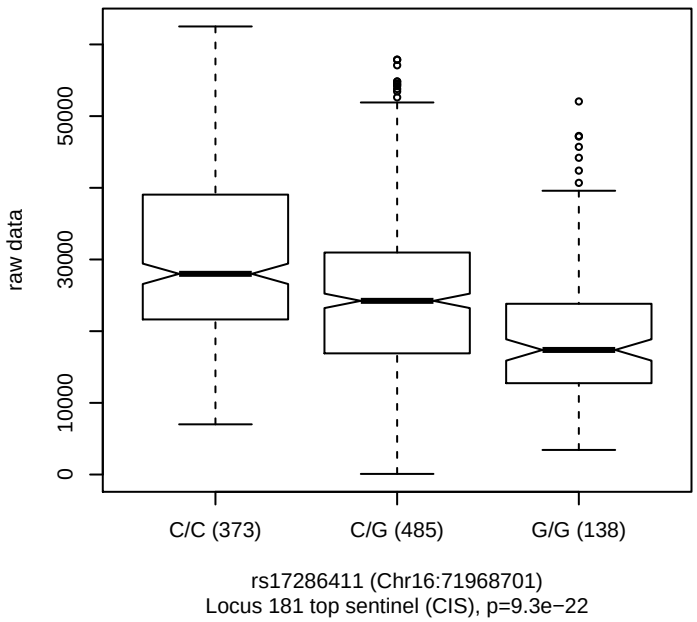

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence B


MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
invnorm data
−3
−2
−1
0
1
2
3
T/T (818)
T/C (170)
C/C (9)
rs3132645 (Chr6:30409249)
Locus 180 top sentinel (CIS), p=3.9e−22

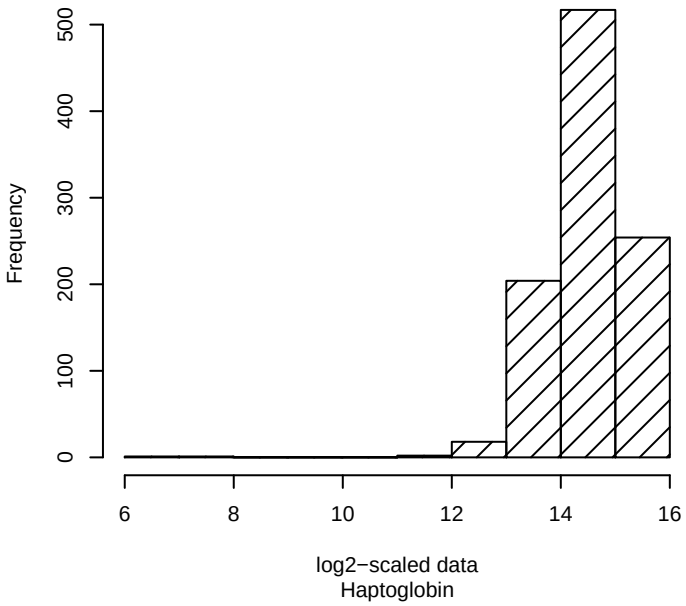
**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1**



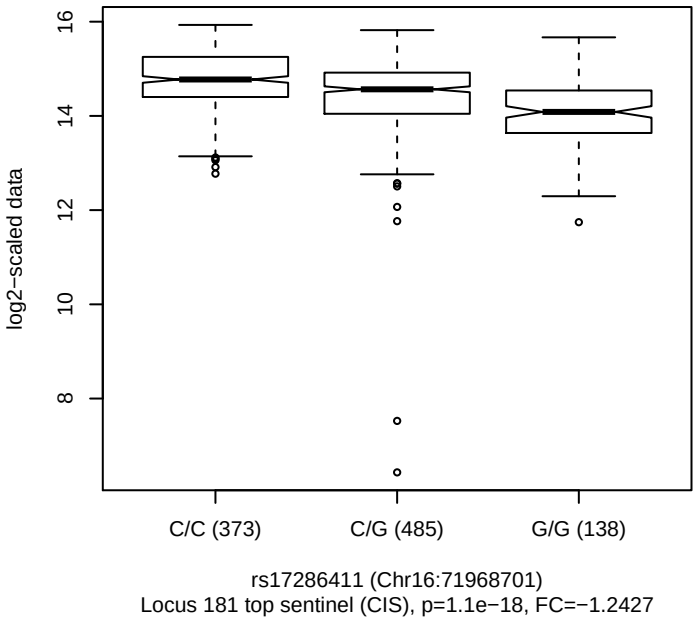

**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1**



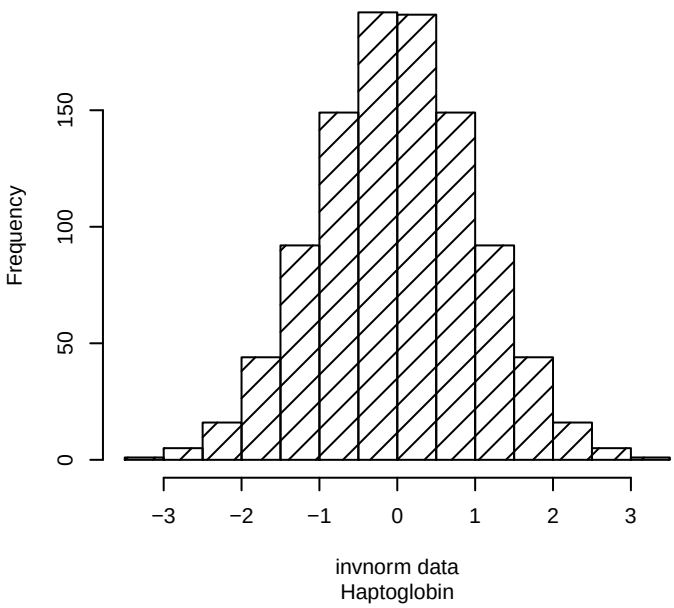

**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1**



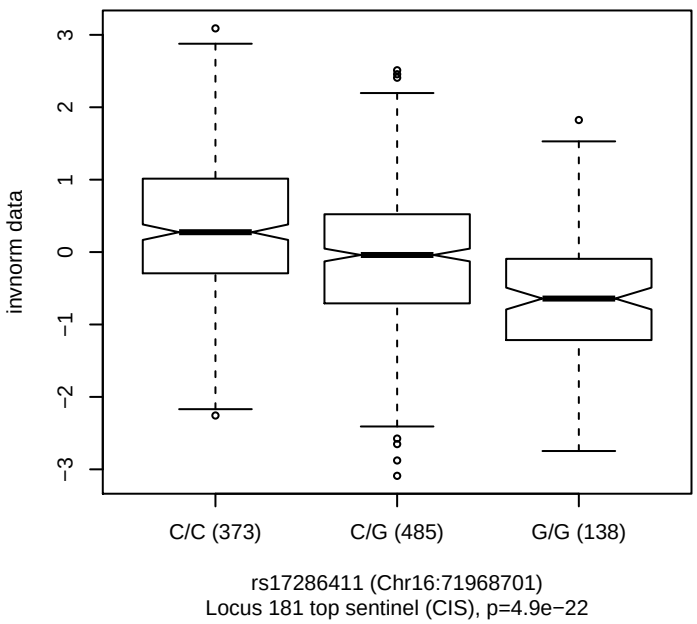

**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1**

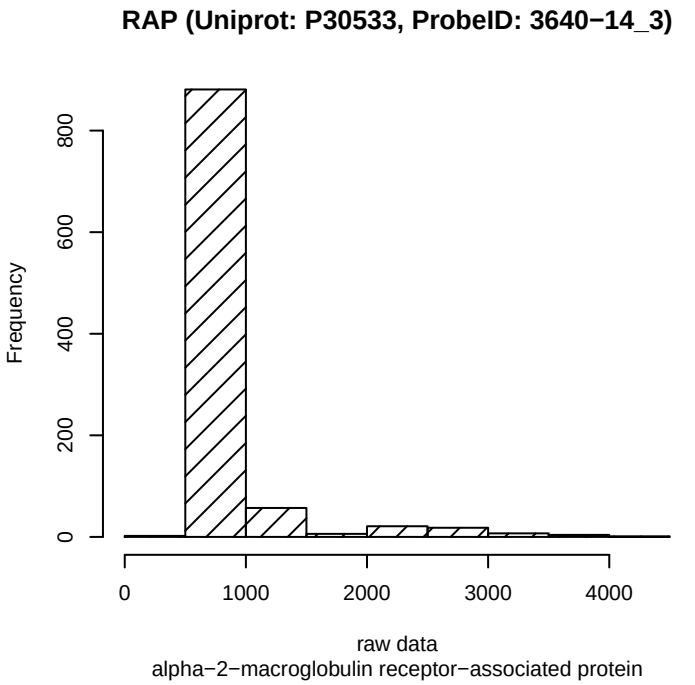


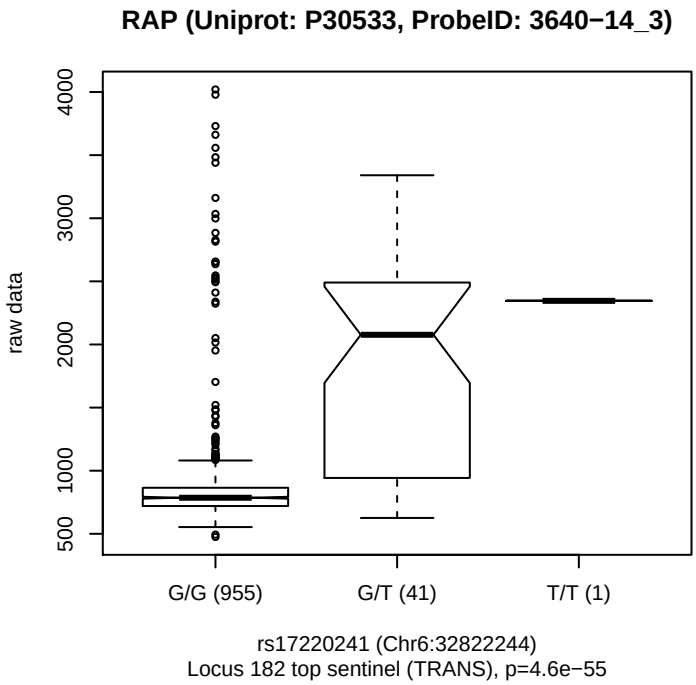

**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1**

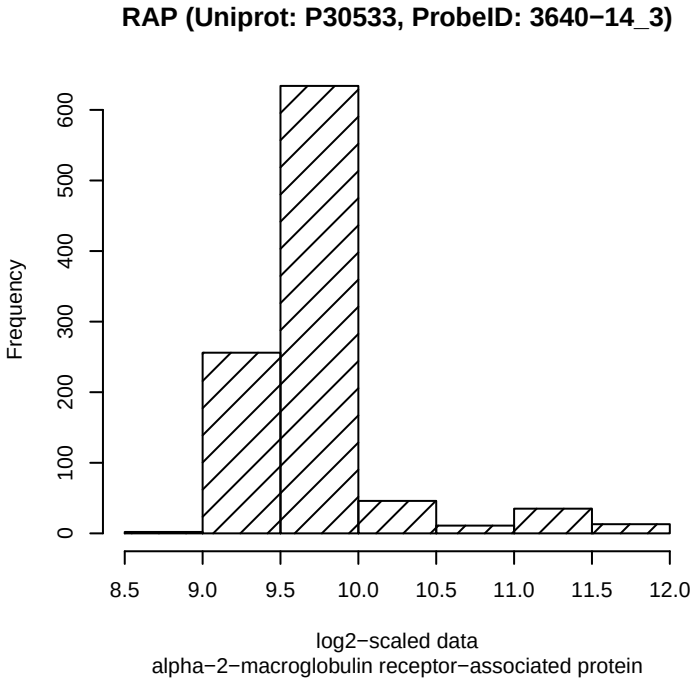


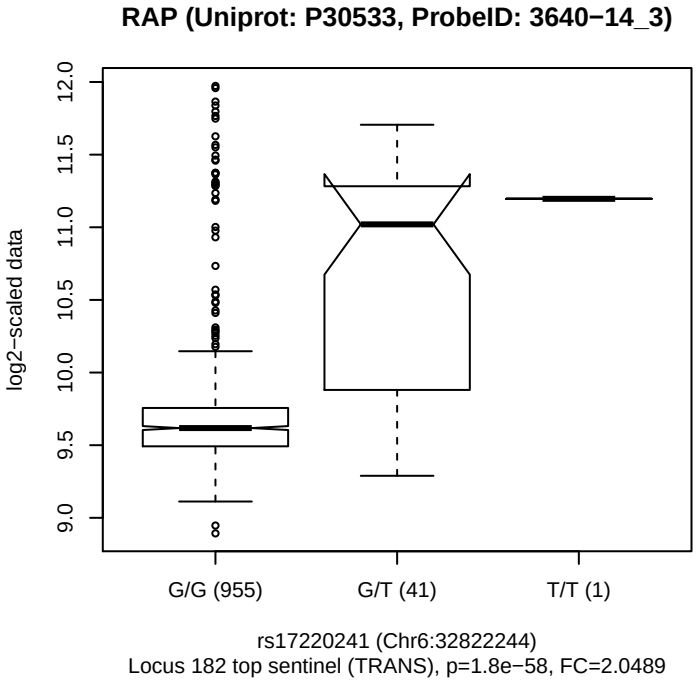

**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1**

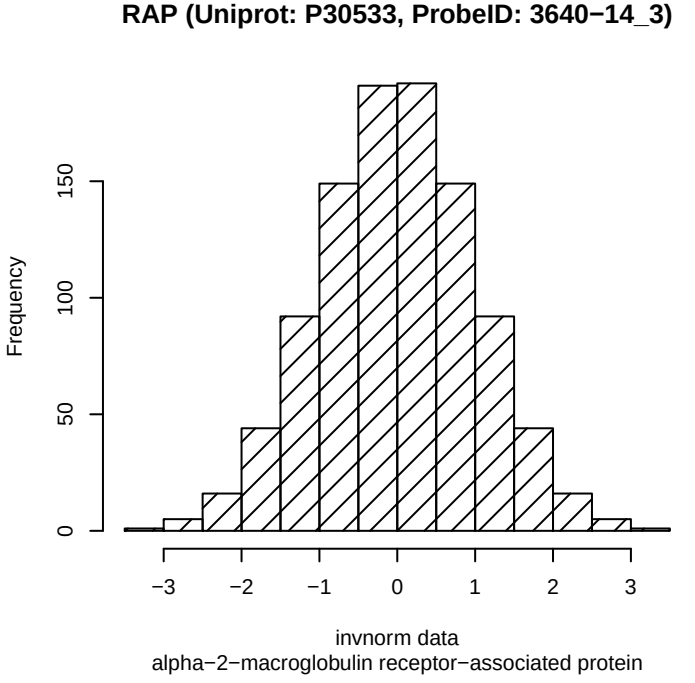


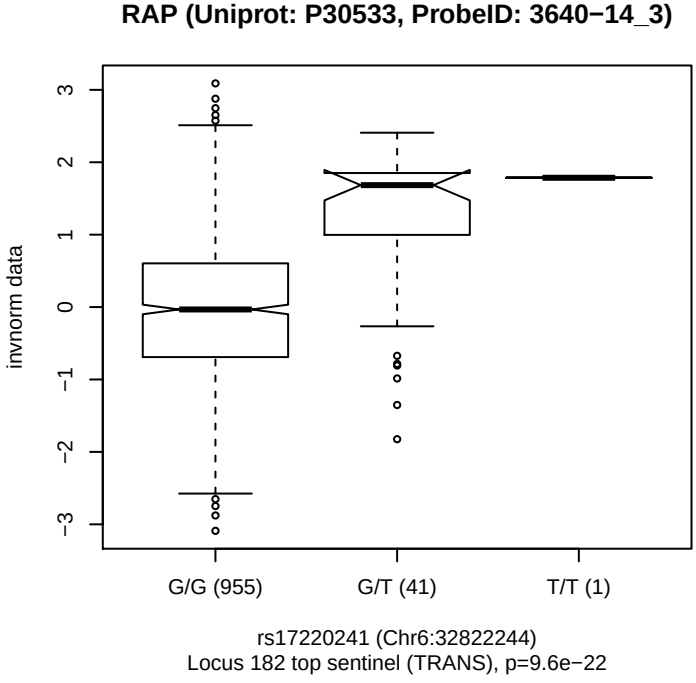

RAP (Uniprot: P30533, ProbeID: 3640−14_3)
Frequency
0
200
400
600
800
0
1000
2000
3000
4000
raw data
alpha−2−macroglobulin receptor−associated protein

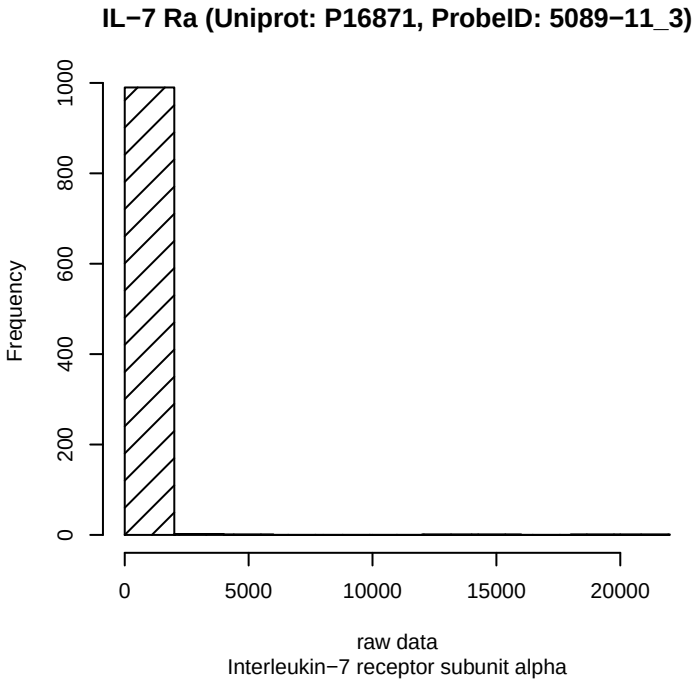

RAP (Uniprot: P30533, ProbeID: 3640−14_3)
raw data
500
1000
2000
3000
4000
G/G (955)
G/T (41)
T/T (1)
rs17220241 (Chr6:32822244)
Locus 182 top sentinel (TRANS), p=4.6e−55

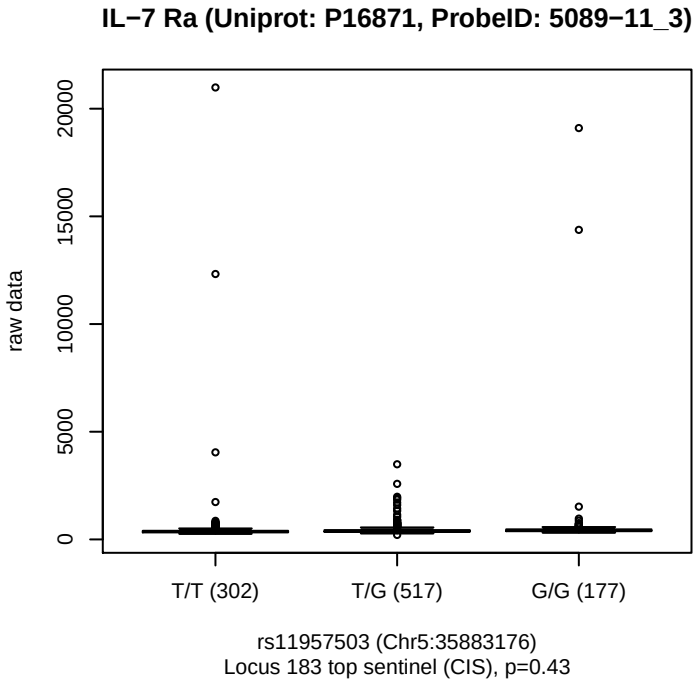

RAP (Uniprot: P30533, ProbeID: 3640−14_3)
Frequency
0
100
200
300
400
500
600
8.5
9.0
9.5
10.0
10.5
11.0
11.5
12.0
log2−scaled data
alpha−2−macroglobulin receptor−associated protein

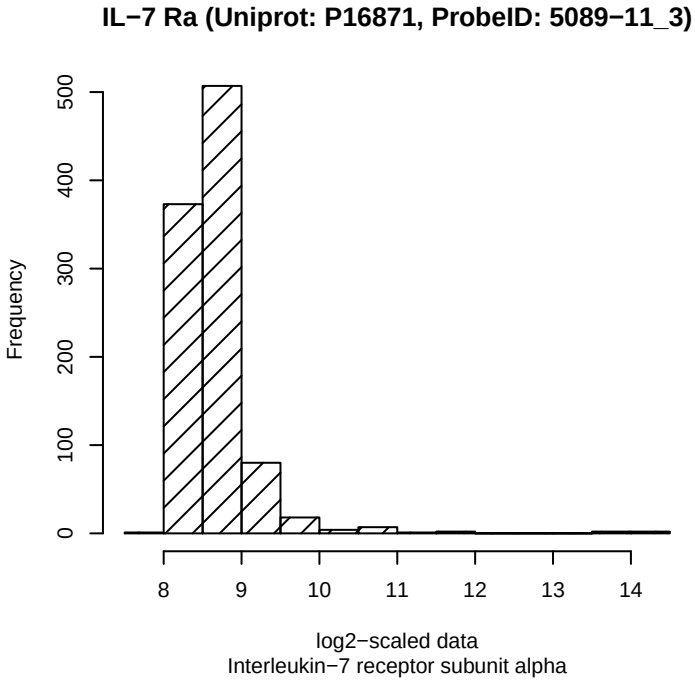

RAP (Uniprot: P30533, ProbeID: 3640−14_3)
log2−scaled data
9.0
9.5
10.0
10.5
11.0
11.5
12.0
G/G (955)
G/T (41)
T/T (1)
rs17220241 (Chr6:32822244)
Locus 182 top sentinel (TRANS), p=1.8e−58, FC=2.0489

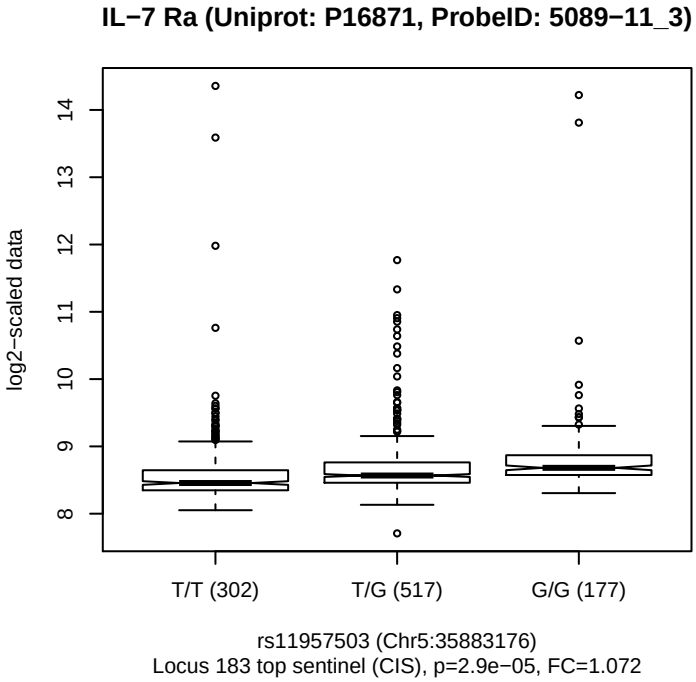

RAP (Uniprot: P30533, ProbeID: 3640−14_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
alpha−2−macroglobulin receptor−associated protein

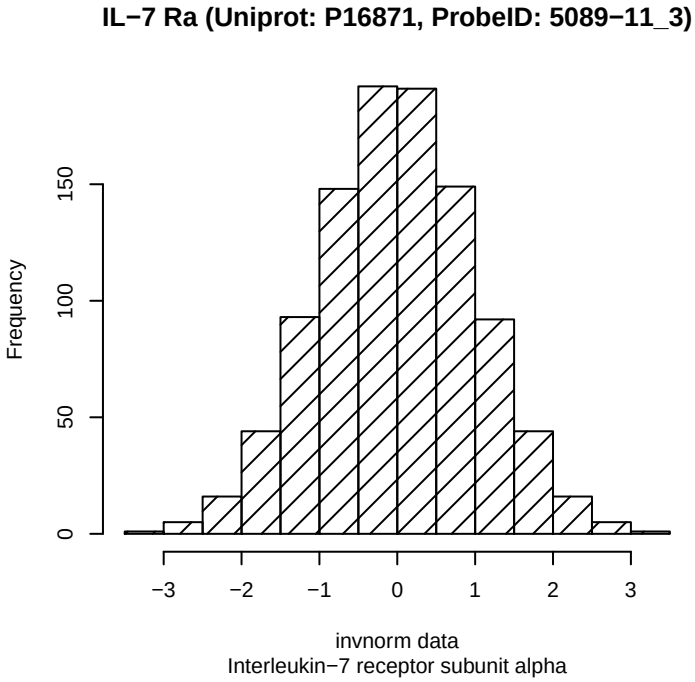

RAP (Uniprot: P30533, ProbeID: 3640−14_3)
invnorm data
−3
−2
−1
0
1
2
3
G/G (955)
G/T (41)
T/T (1)
rs17220241 (Chr6:32822244)
Locus 182 top sentinel (TRANS), p=9.6e−22

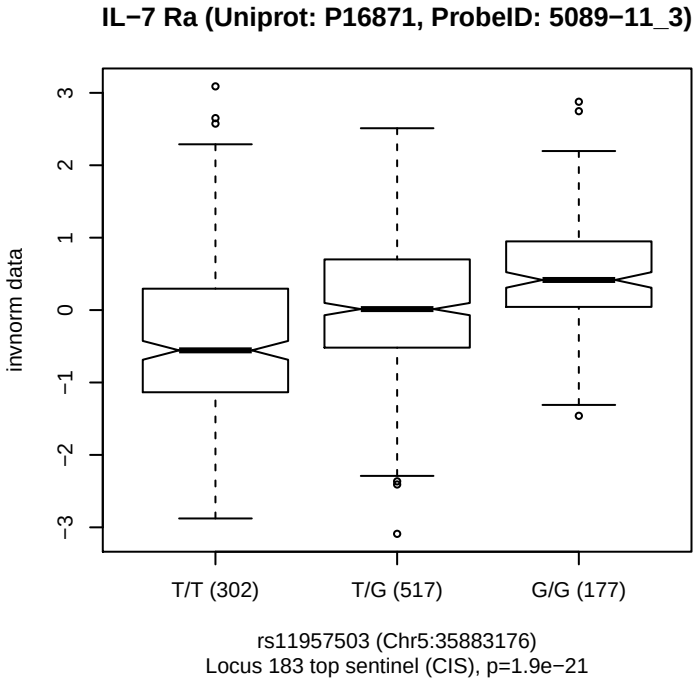

IL−7 Ra (Uniprot: P16871, ProbeID: 5089−11_3)
Frequency
0
200
400
600
800
1000
0
5000
10000
15000
20000
raw data
Interleukin−7 receptor subunit alpha

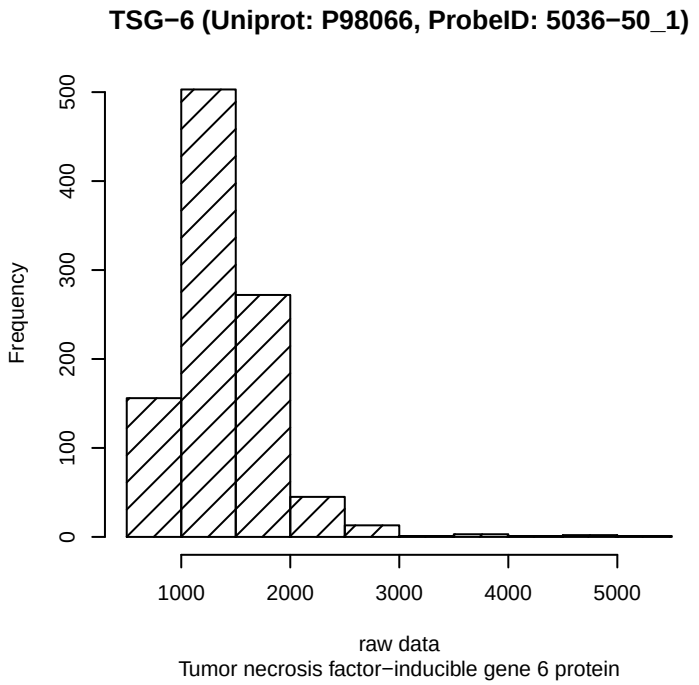

IL−7 Ra (Uniprot: P16871, ProbeID: 5089−11_3)
raw data
0
5000
10000
15000
20000
T/T (302)
T/G (517)
G/G (177)
rs11957503 (Chr5:35883176)
Locus 183 top sentinel (CIS), p=0.43

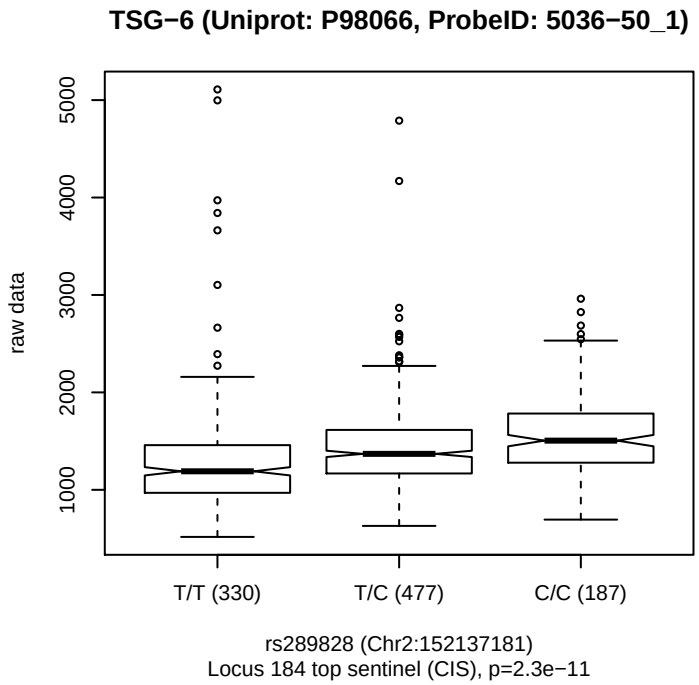

IL−7 Ra (Uniprot: P16871, ProbeID: 5089−11_3)
Frequency
0
100
200
300
400
500
8
9
10
11
12
13
14
log2−scaled data
Interleukin−7 receptor subunit alpha

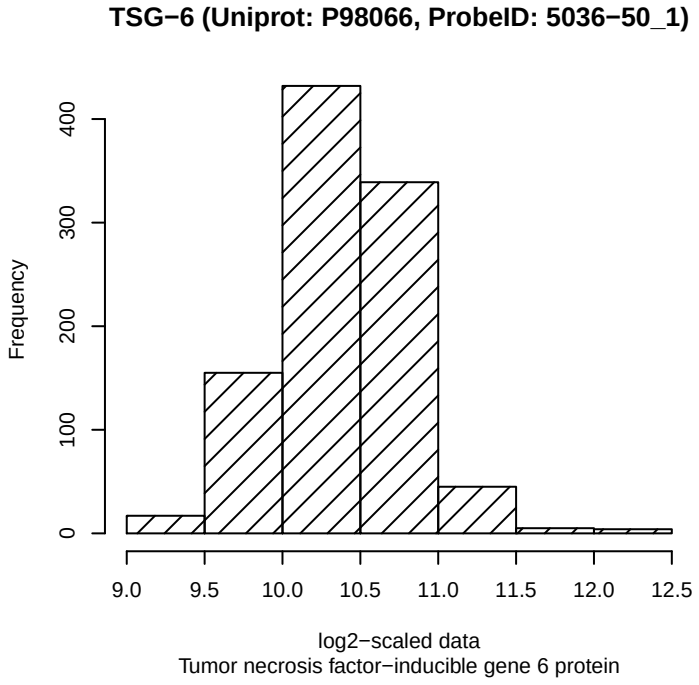

IL−7 Ra (Uniprot: P16871, ProbeID: 5089−11_3)
log2−scaled data
8
9
10
11
12
13
14
T/T (302)
T/G (517)
G/G (177)
rs11957503 (Chr5:35883176)
Locus 183 top sentinel (CIS), p=2.9e−05, FC=1.072

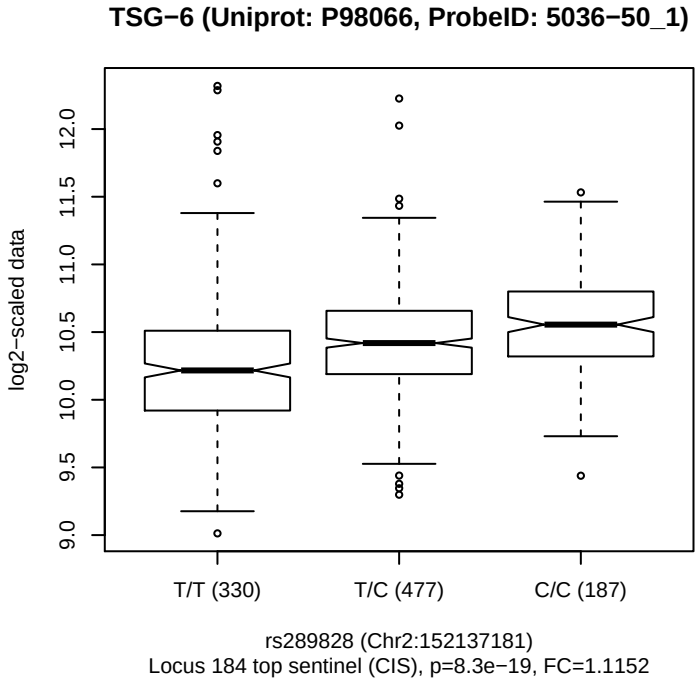

IL−7 Ra (Uniprot: P16871, ProbeID: 5089−11_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−7 receptor subunit alpha

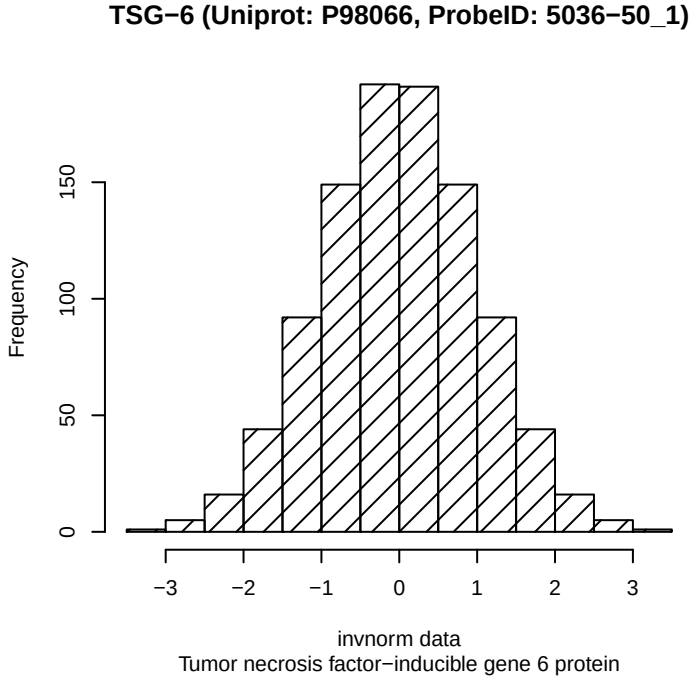

IL−7 Ra (Uniprot: P16871, ProbeID: 5089−11_3)
invnorm data
−3
−2
−1
0
1
2
3
T/T (302)
T/G (517)
G/G (177)
rs11957503 (Chr5:35883176)
Locus 183 top sentinel (CIS), p=1.9e−21

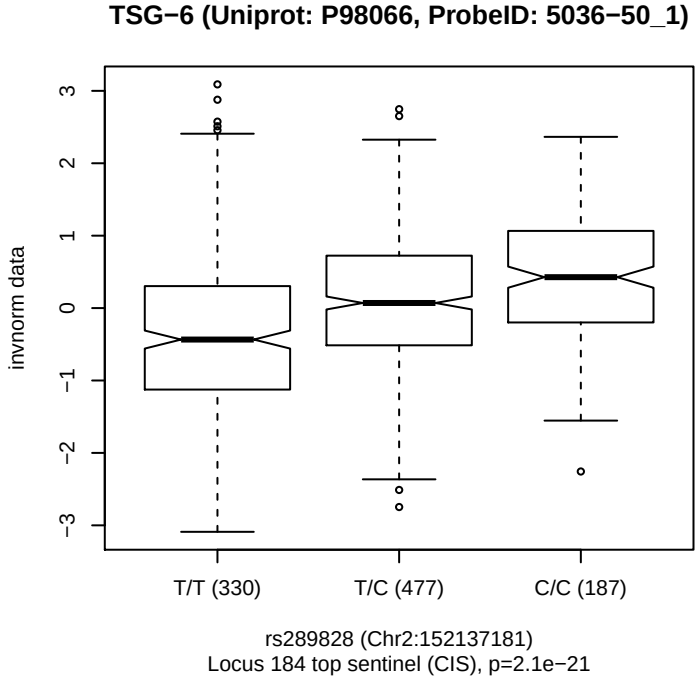

TSG−6 (Uniprot: P98066, ProbeID: 5036−50_1)
Frequency
0
100
200
300
400
500
1000
2000
3000
4000
5000
raw data
Tumor necrosis factor−inducible gene 6 protein

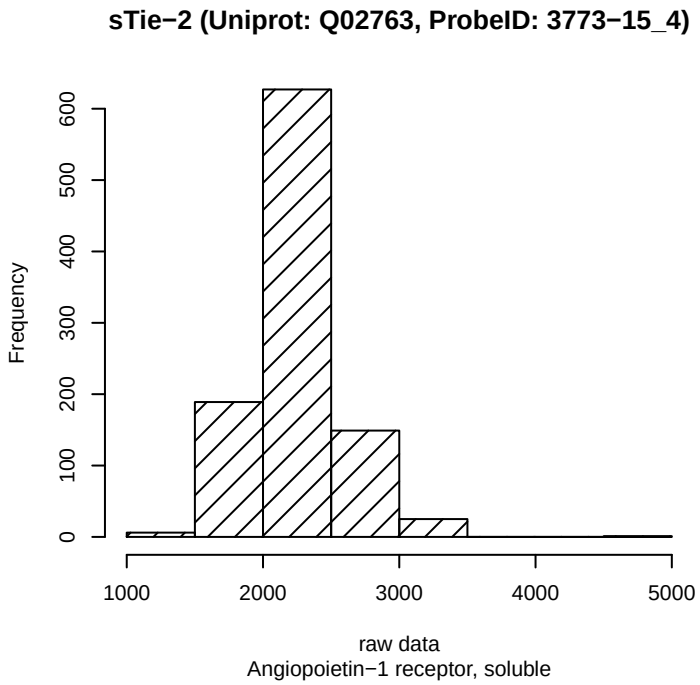

TSG−6 (Uniprot: P98066, ProbeID: 5036−50_1)
raw data
1000
2000
3000
4000
5000
T/T (330)
T/C (477)
C/C (187)
rs289828 (Chr2:152137181)
Locus 184 top sentinel (CIS), p=2.3e−11

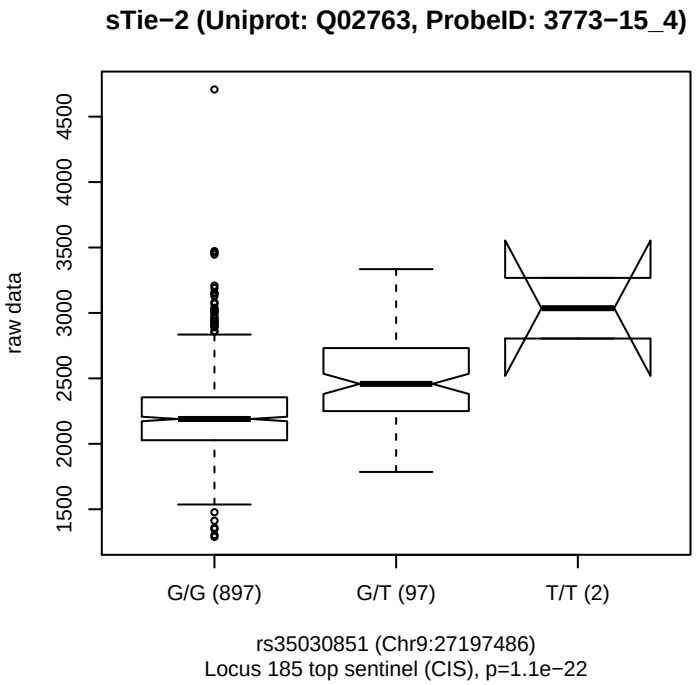

TSG−6 (Uniprot: P98066, ProbeID: 5036−50_1)
Frequency
0
100
200
300
400
9.0
9.5
10.0
10.5
11.0
11.5
12.0
12.5
log2−scaled data
Tumor necrosis factor−inducible gene 6 protein

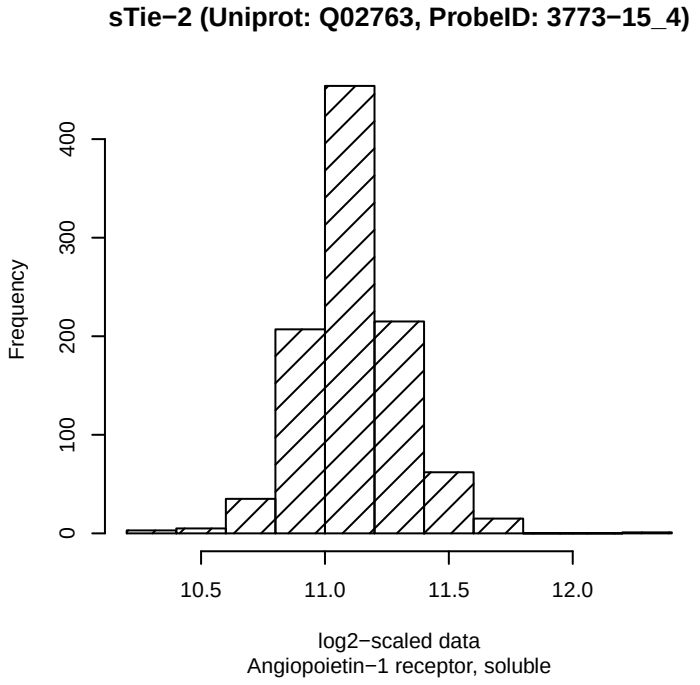

TSG−6 (Uniprot: P98066, ProbeID: 5036−50_1)
log2−scaled data
9.0
9.5
10.0
10.5
11.0
11.5
12.0
T/T (330)
T/C (477)
C/C (187)
rs289828 (Chr2:152137181)
Locus 184 top sentinel (CIS), p=8.3e−19, FC=1.1152

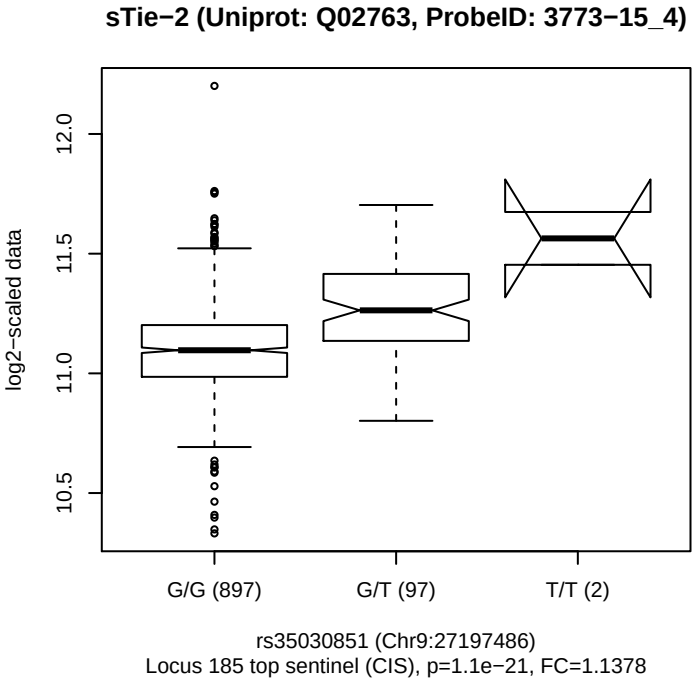

TSG−6 (Uniprot: P98066, ProbeID: 5036−50_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Tumor necrosis factor−inducible gene 6 protein

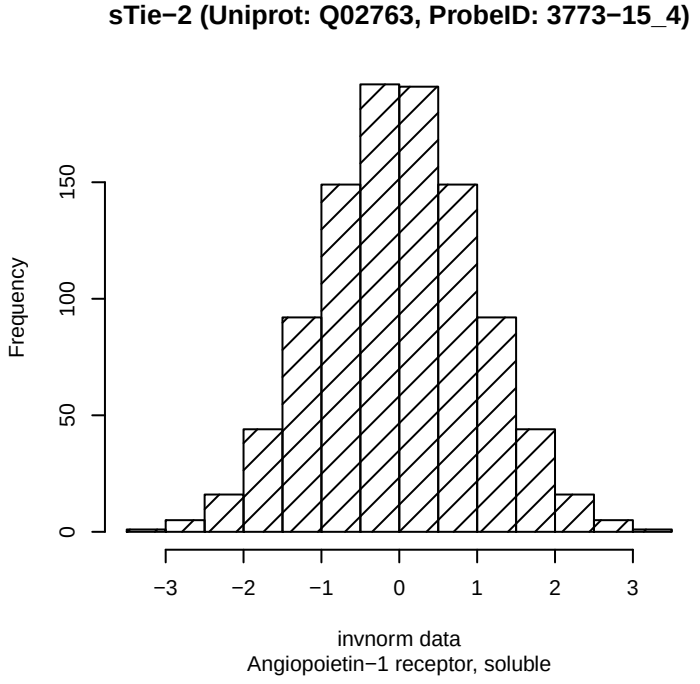

TSG−6 (Uniprot: P98066, ProbeID: 5036−50_1)
invnorm data
−3
−2
−1
0
1
2
3
T/T (330)
T/C (477)
C/C (187)
rs289828 (Chr2:152137181)
Locus 184 top sentinel (CIS), p=2.1e−21

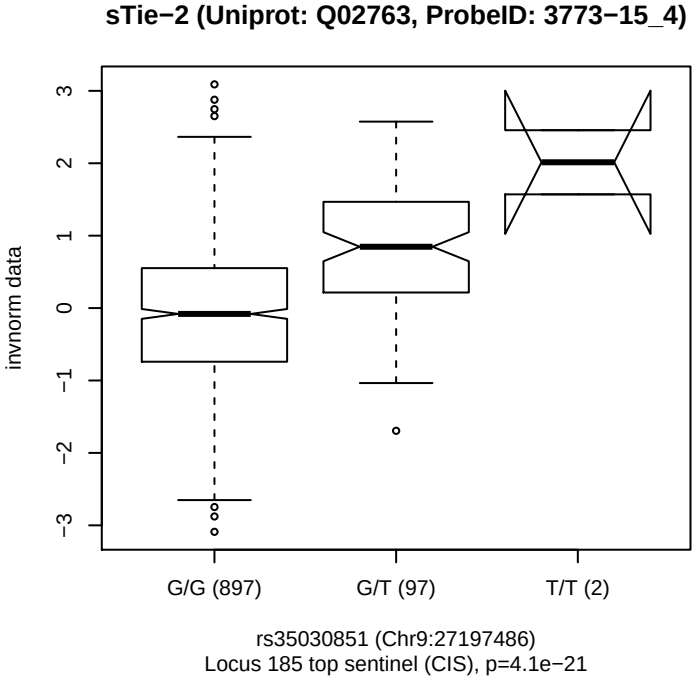

sTie−2 (Uniprot: Q02763, ProbeID: 3773−15_4)
Frequency
0
100
200
300
400
500
600
1000
2000
3000
4000
5000
raw data
Angiopoietin−1 receptor, soluble

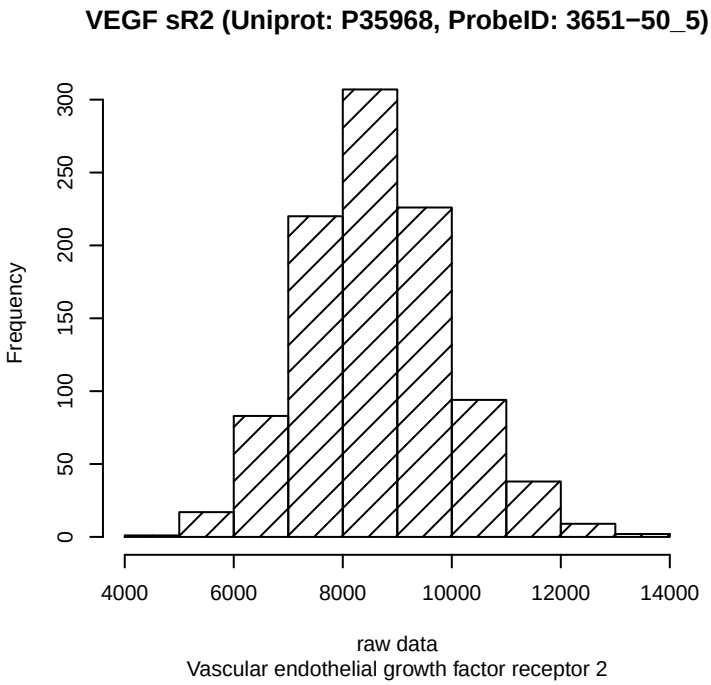

sTie−2 (Uniprot: Q02763, ProbeID: 3773−15_4)
raw data
1500
2000
2500
3000
3500
4000
4500
G/G (897)
G/T (97)
T/T (2)
rs35030851 (Chr9:27197486)
Locus 185 top sentinel (CIS), p=1.1e−22

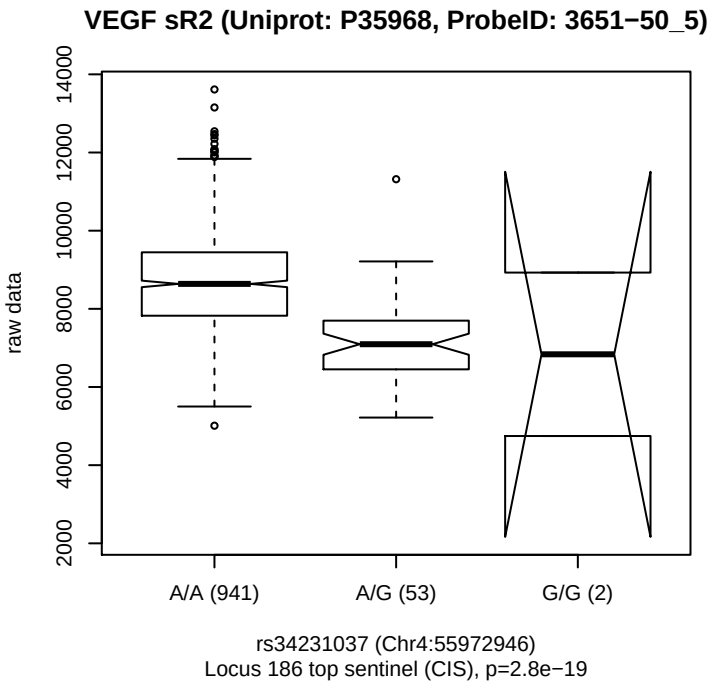

sTie−2 (Uniprot: Q02763, ProbeID: 3773−15_4)
Frequency
0
100
200
300
400
10.5
11.0
11.5
12.0
log2−scaled data
Angiopoietin−1 receptor, soluble

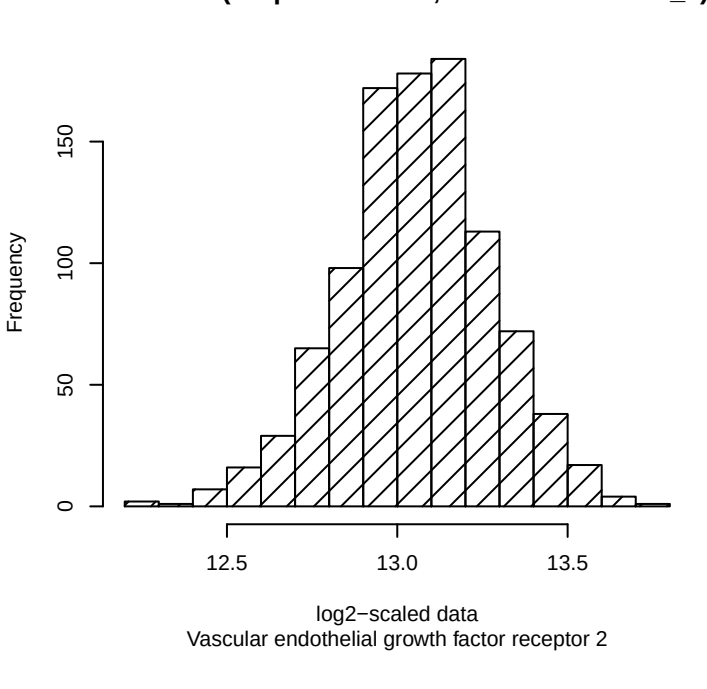

sTie−2 (Uniprot: Q02763, ProbeID: 3773−15_4)
log2−scaled data
10.5
11.0
11.5
12.0
G/G (897)
G/T (97)
T/T (2)
rs35030851 (Chr9:27197486)
Locus 185 top sentinel (CIS), p=1.1e−21, FC=1.1378

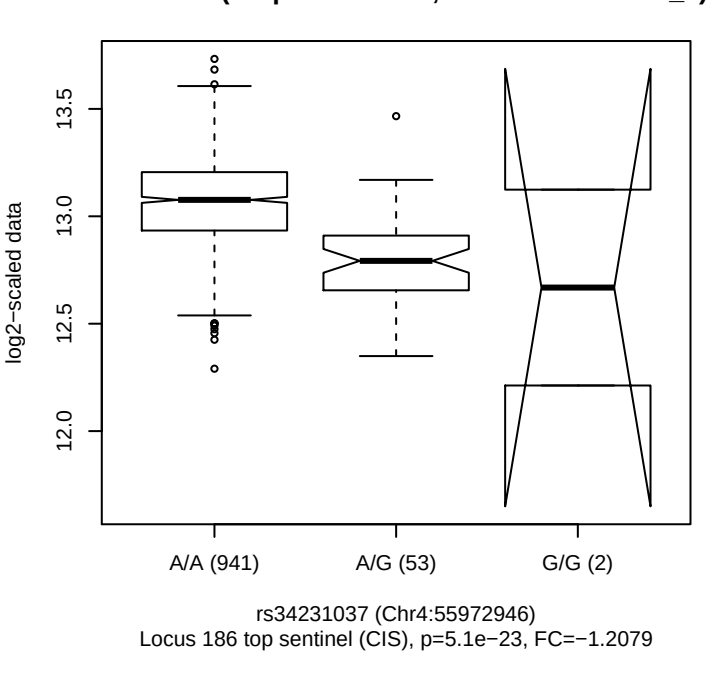

sTie−2 (Uniprot: Q02763, ProbeID: 3773−15_4)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Angiopoietin−1 receptor, soluble

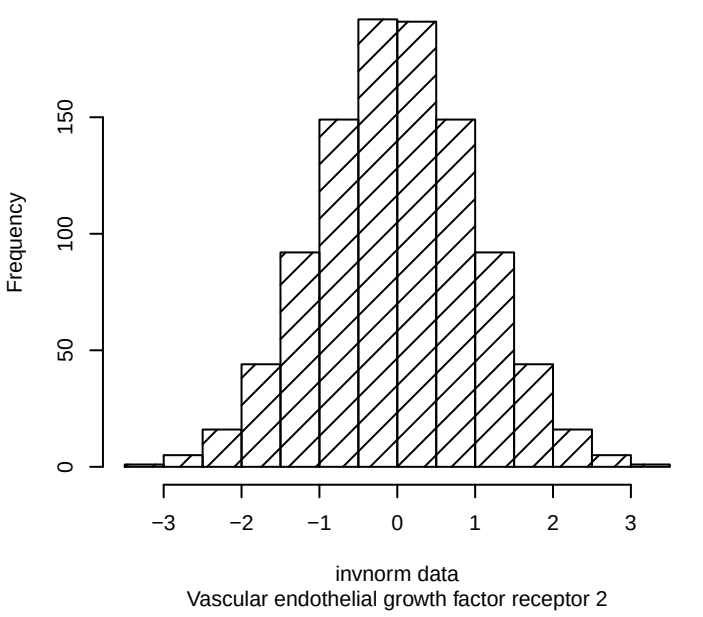

sTie−2 (Uniprot: Q02763, ProbeID: 3773−15_4)
invnorm data
−3
−2
−1
0
1
2
3
G/G (897)
G/T (97)
T/T (2)
rs35030851 (Chr9:27197486)
Locus 185 top sentinel (CIS), p=4.1e−21

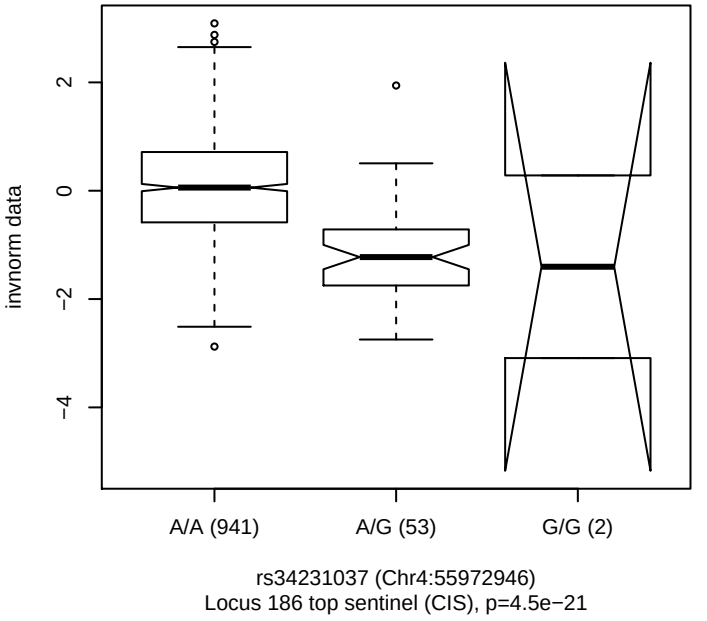

VEGF sR2 (Uniprot: P35968, ProbeID: 3651−50_5)
Frequency
0
50
100
150
200
250
300
4000
6000
8000
10000
12000
14000
raw data
Vascular endothelial growth factor receptor 2

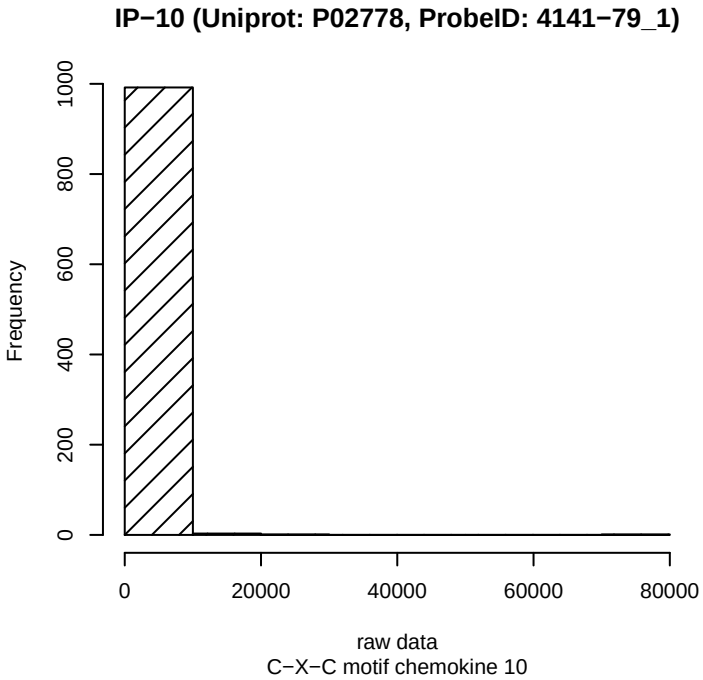

VEGF sR2 (Uniprot: P35968, ProbeID: 3651−50_5)
raw data
2000
4000
6000
8000
10000
12000
14000
A/A (941)
A/G (53)
G/G (2)
rs34231037 (Chr4:55972946)
Locus 186 top sentinel (CIS), p=2.8e−19

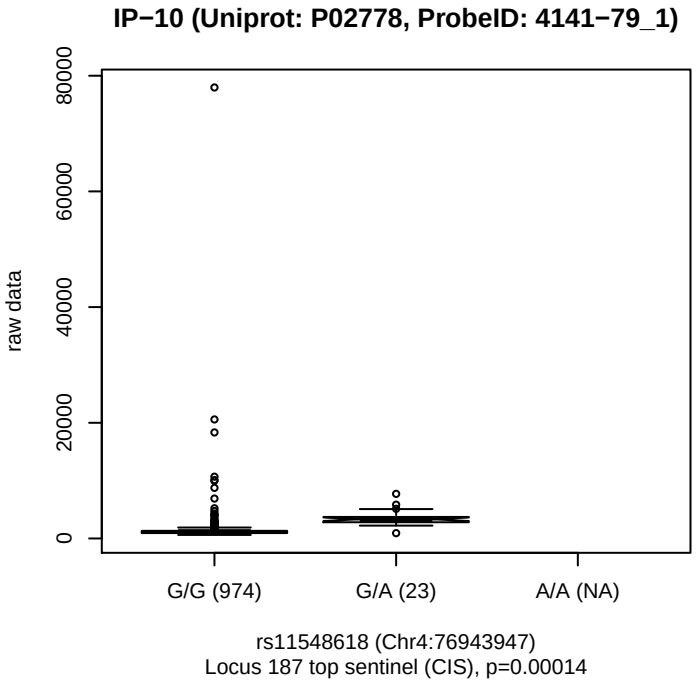

VEGF sR2 (Uniprot: P35968, ProbeID: 3651−50_5)
Frequency
0
50
100
150
12.5
13.0
13.5
log2−scaled data
Vascular endothelial growth factor receptor 2

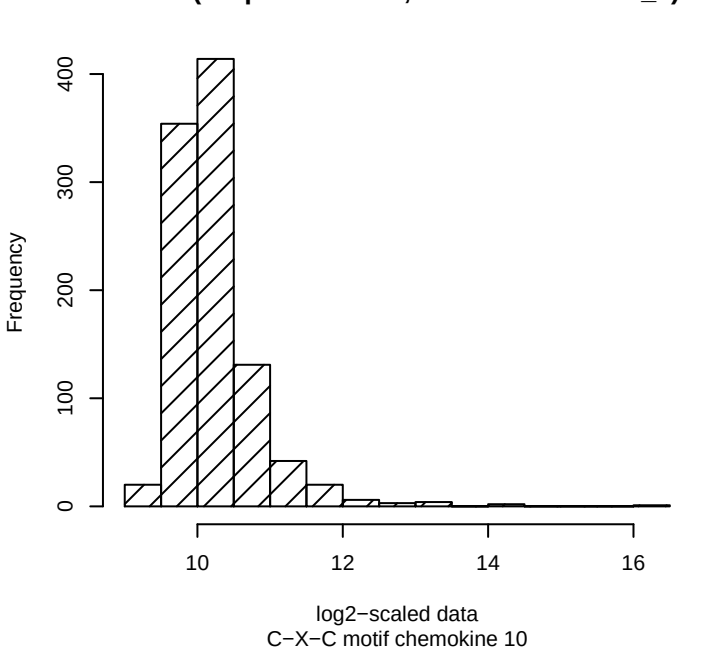

VEGF sR2 (Uniprot: P35968, ProbeID: 3651−50_5)
log2−scaled data
12.0
12.5
13.0
13.5
A/A (941)
A/G (53)
G/G (2)
rs34231037 (Chr4:55972946)
Locus 186 top sentinel (CIS), p=5.1e−23, FC=−1.2079

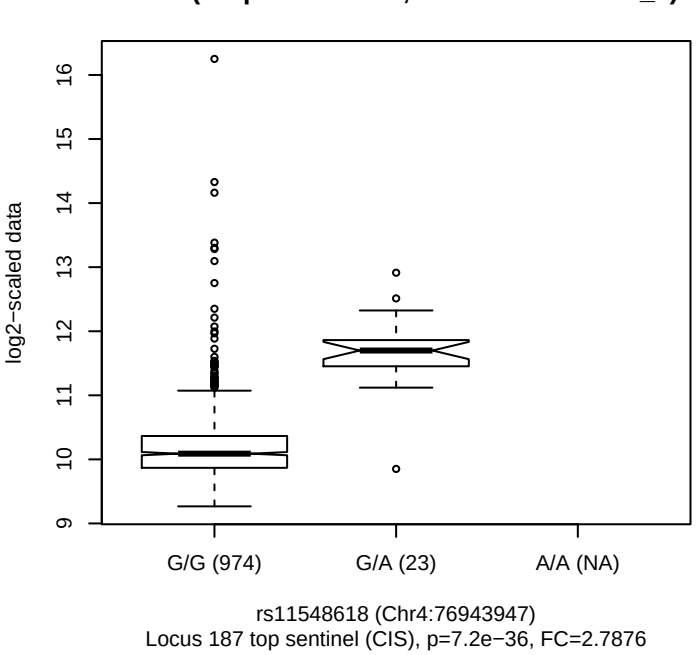

VEGF sR2 (Uniprot: P35968, ProbeID: 3651−50_5)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Vascular endothelial growth factor receptor 2

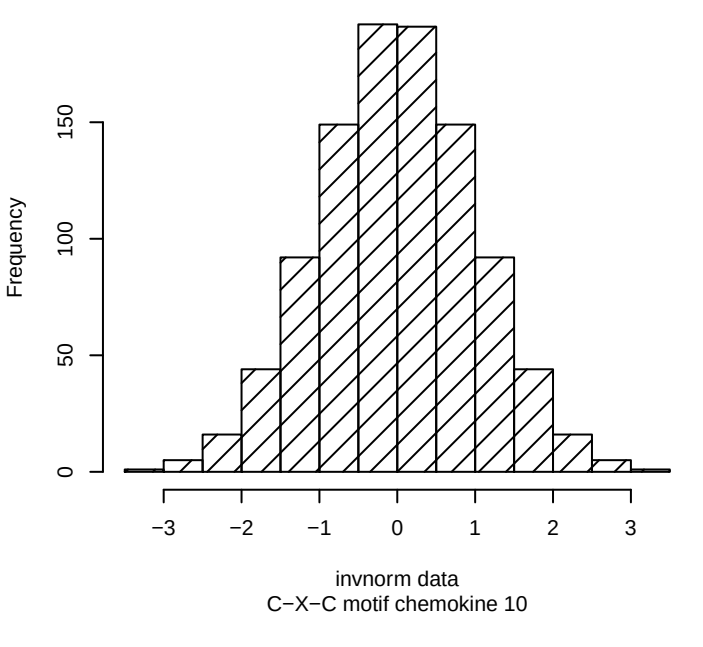

VEGF sR2 (Uniprot: P35968, ProbeID: 3651−50_5)
invnorm data
−4
−2
0
2
A/A (941)
A/G (53)
G/G (2)
rs34231037 (Chr4:55972946)
Locus 186 top sentinel (CIS), p=4.5e−21

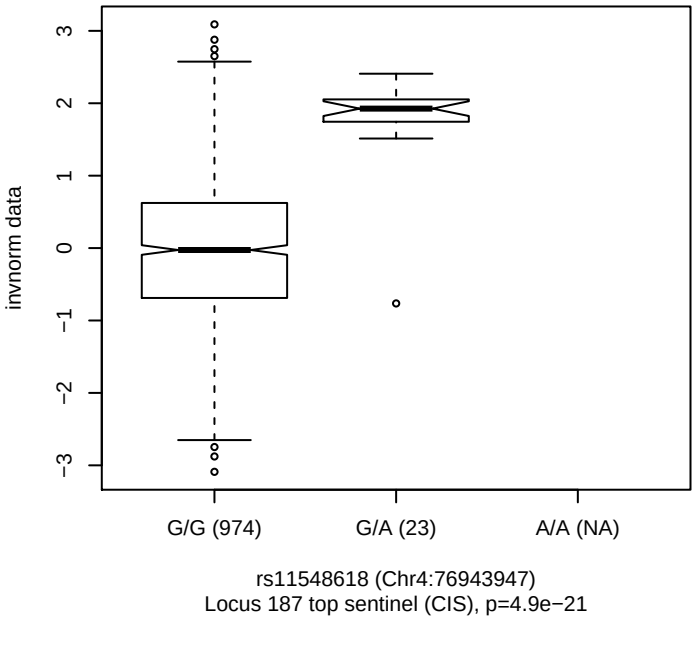

IP−10 (Uniprot: P02778, ProbeID: 4141−79_1)
Frequency
0
200
400
600
800
1000
0
20000
40000
60000
80000
raw data
C−X−C motif chemokine 10

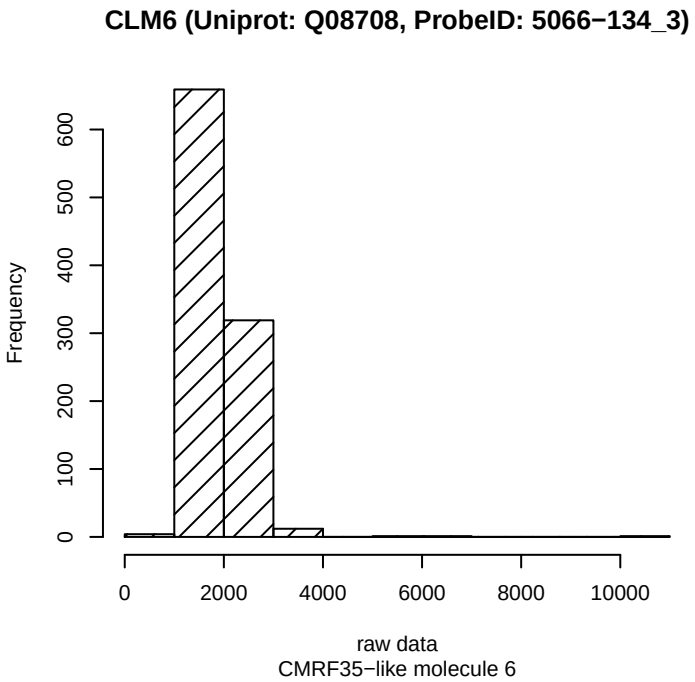

IP−10 (Uniprot: P02778, ProbeID: 4141−79_1)
raw data
0
20000
40000
60000
80000
G/G (974)
G/A (23)
A/A (NA)
rs11548618 (Chr4:76943947)
Locus 187 top sentinel (CIS), p=0.00014

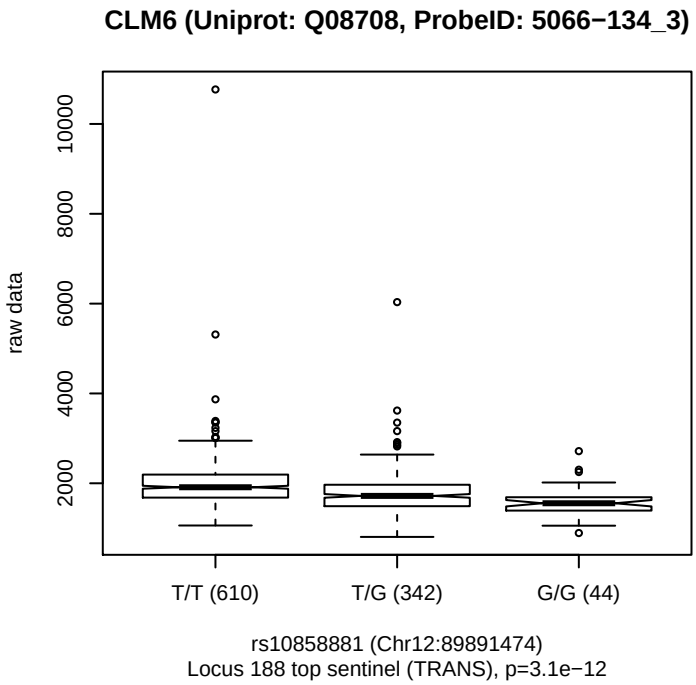

IP−10 (Uniprot: P02778, ProbeID: 4141−79_1)
Frequency
0
100
200
300
400
10
12
14
16
log2−scaled data
C−X−C motif chemokine 10

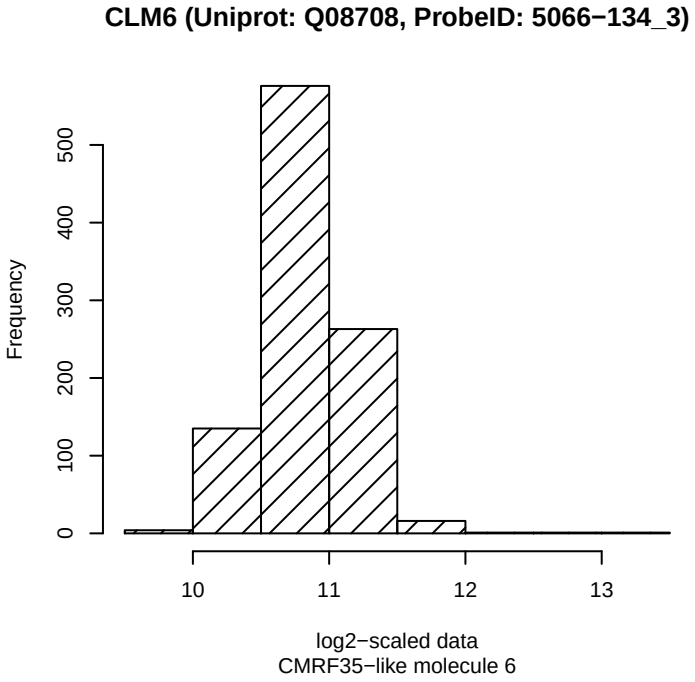

IP−10 (Uniprot: P02778, ProbeID: 4141−79_1)
log2−scaled data
9
10
11
12
13
14
15
16
G/G (974)
G/A (23)
A/A (NA)
rs11548618 (Chr4:76943947)
Locus 187 top sentinel (CIS), p=7.2e−36, FC=2.7876

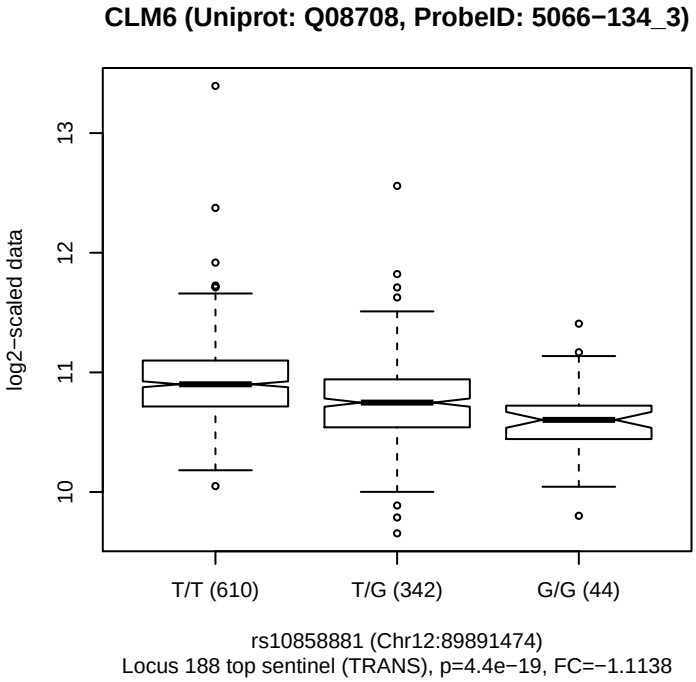

IP−10 (Uniprot: P02778, ProbeID: 4141−79_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
C−X−C motif chemokine 10

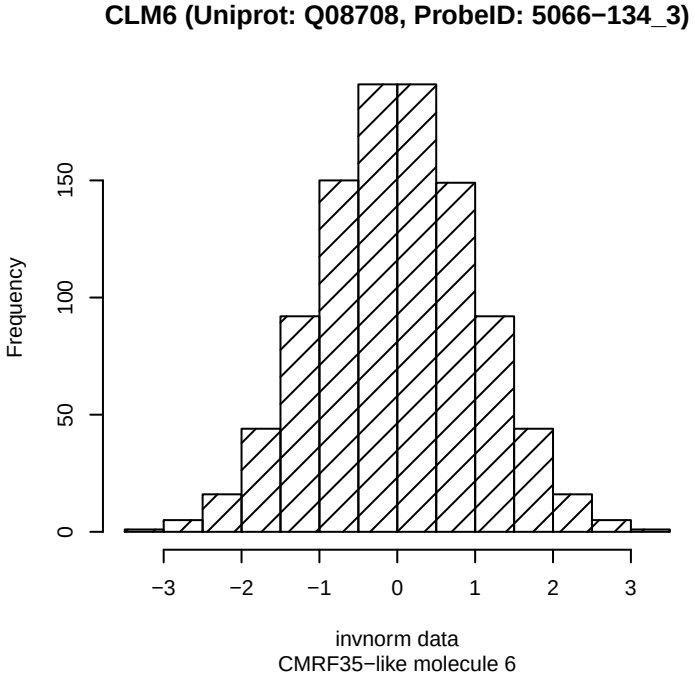

IP−10 (Uniprot: P02778, ProbeID: 4141−79_1)
invnorm data
−3
−2
−1
0
1
2
3
G/G (974)
G/A (23)
A/A (NA)
rs11548618 (Chr4:76943947)
Locus 187 top sentinel (CIS), p=4.9e−21

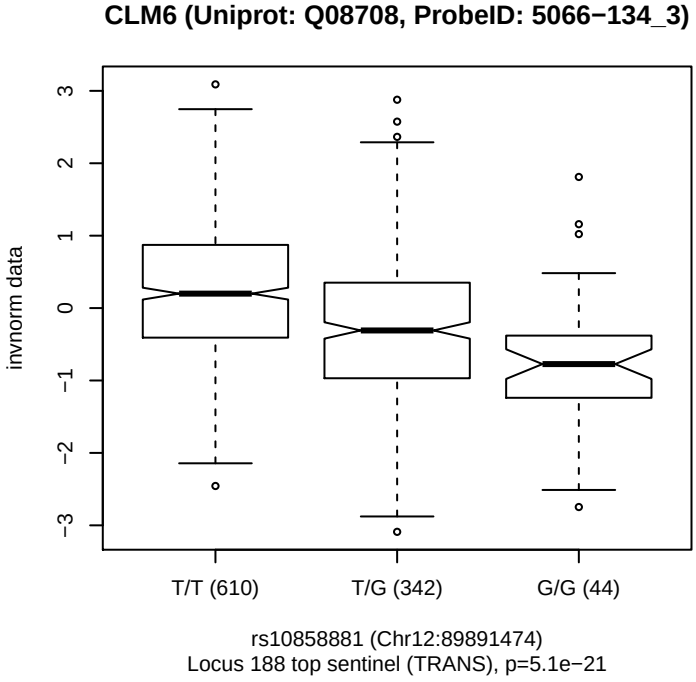

CLM6 (Uniprot: Q08708, ProbeID: 5066−134_3)
Frequency
0
100
200
300
400
500
600
0
2000
4000
6000
8000
10000
raw data
CMRF35−like molecule 6

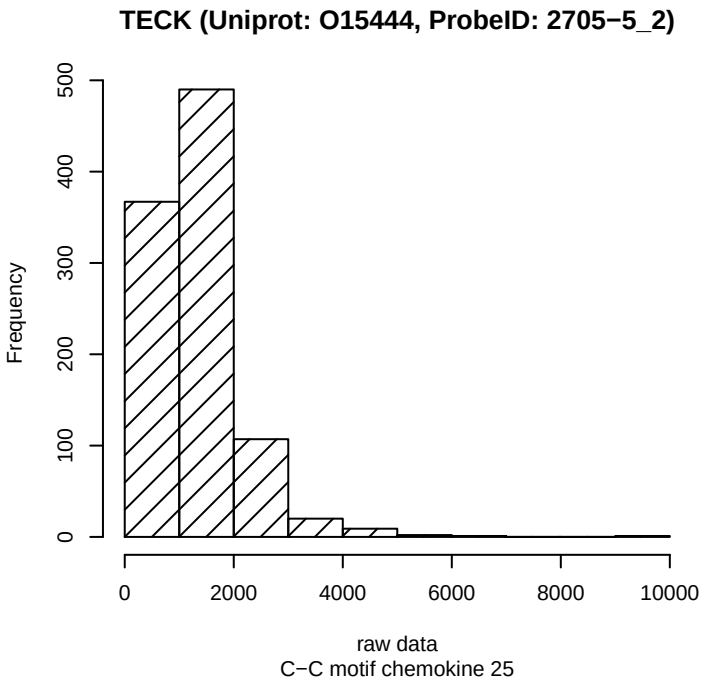

CLM6 (Uniprot: Q08708, ProbeID: 5066−134_3)
raw data
2000
4000
6000
8000
10000
T/T (610)
T/G (342)
G/G (44)
rs10858881 (Chr12:89891474)
Locus 188 top sentinel (TRANS), p=3.1e−12

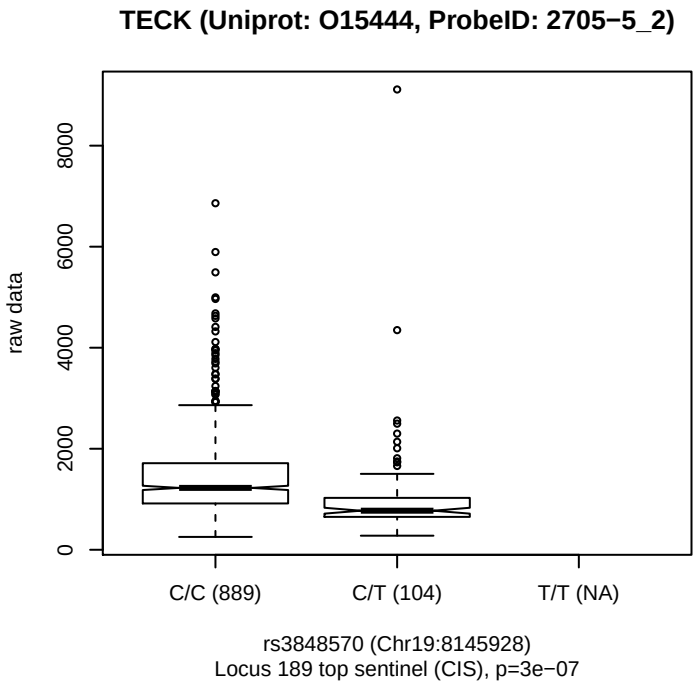

CLM6 (Uniprot: Q08708, ProbeID: 5066−134_3)
Frequency
0
100
200
300
400
500
10
11
12
13
log2−scaled data
CMRF35−like molecule 6

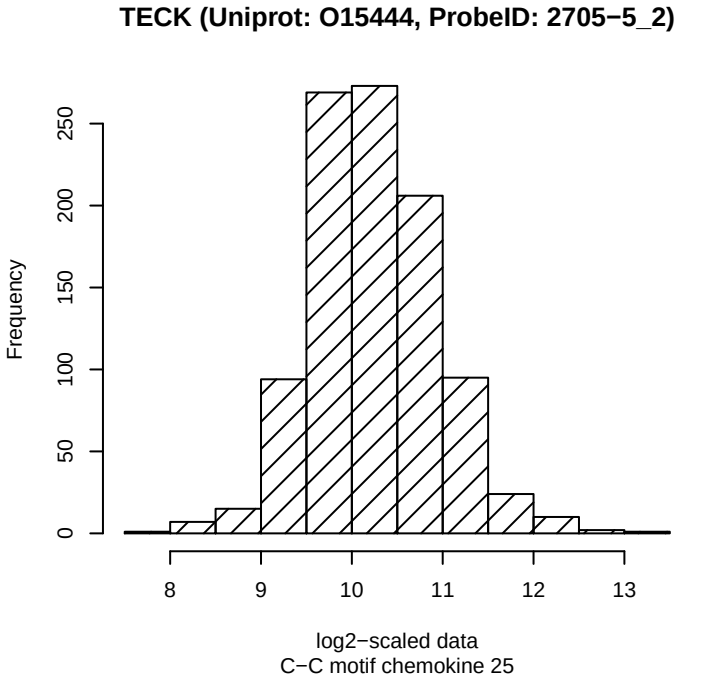

CLM6 (Uniprot: Q08708, ProbeID: 5066−134_3)
log2−scaled data
10
11
12
13
T/T (610)
T/G (342)
G/G (44)
rs10858881 (Chr12:89891474)
Locus 188 top sentinel (TRANS), p=4.4e−19, FC=−1.1138

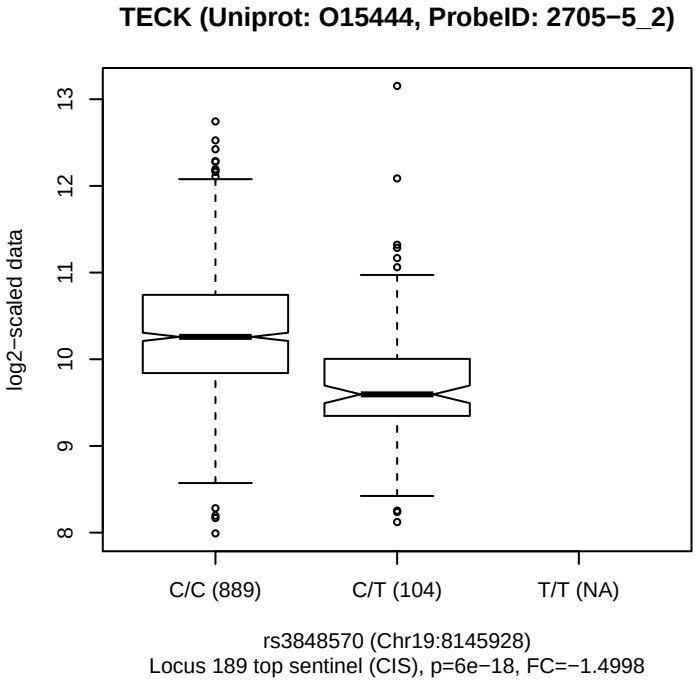

CLM6 (Uniprot: Q08708, ProbeID: 5066−134_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
CMRF35−like molecule 6

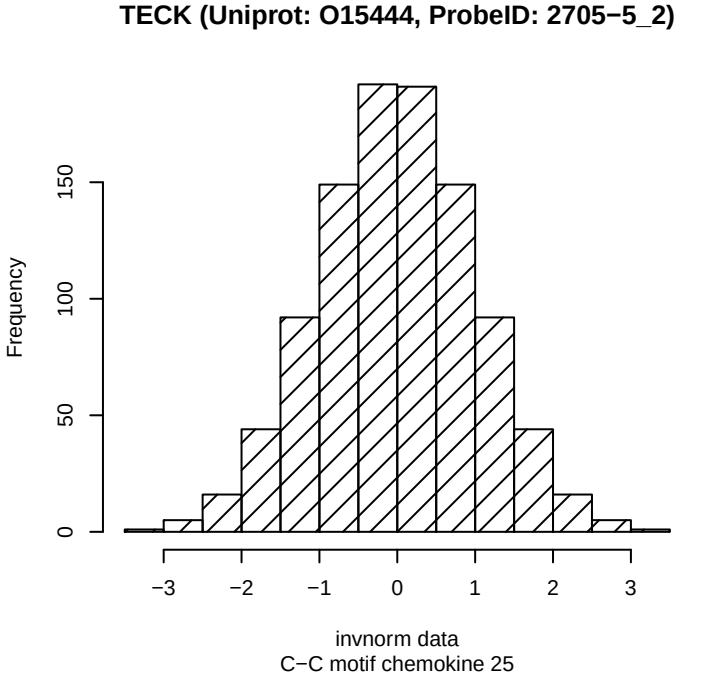

CLM6 (Uniprot: Q08708, ProbeID: 5066−134_3)
invnorm data
−3
−2
−1
0
1
2
3
T/T (610)
T/G (342)
G/G (44)
rs10858881 (Chr12:89891474)
Locus 188 top sentinel (TRANS), p=5.1e−21

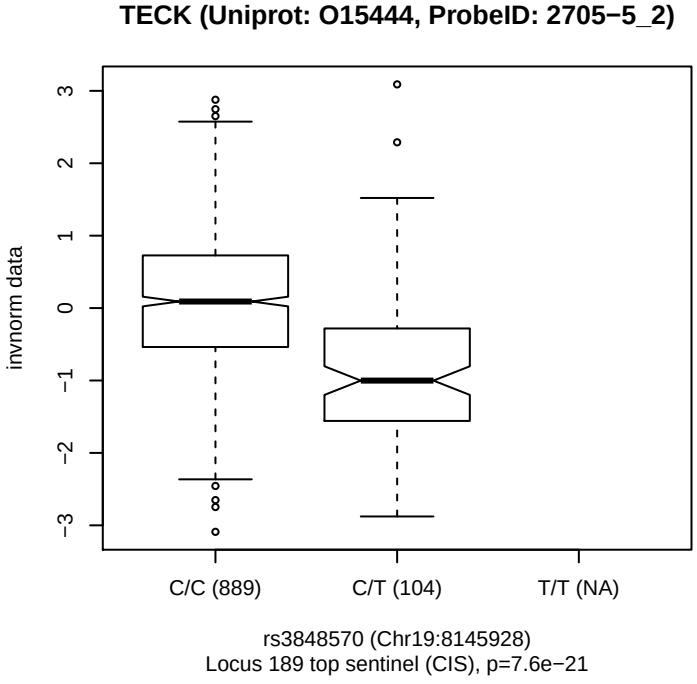

TECK (Uniprot: O15444, ProbeID: 2705−5_2)
Frequency
0
100
200
300
400
500
0
2000
4000
6000
8000
10000
raw data
C−C motif chemokine 25

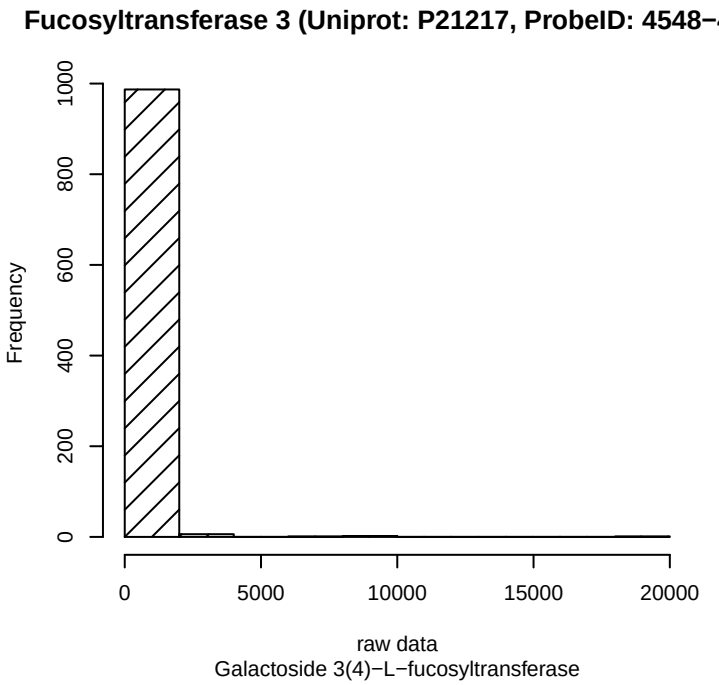

TECK (Uniprot: O15444, ProbeID: 2705−5_2)
raw data
0
2000
4000
6000
8000
C/C (889)
C/T (104)
T/T (NA)
rs3848570 (Chr19:8145928)
Locus 189 top sentinel (CIS), p=3e−07

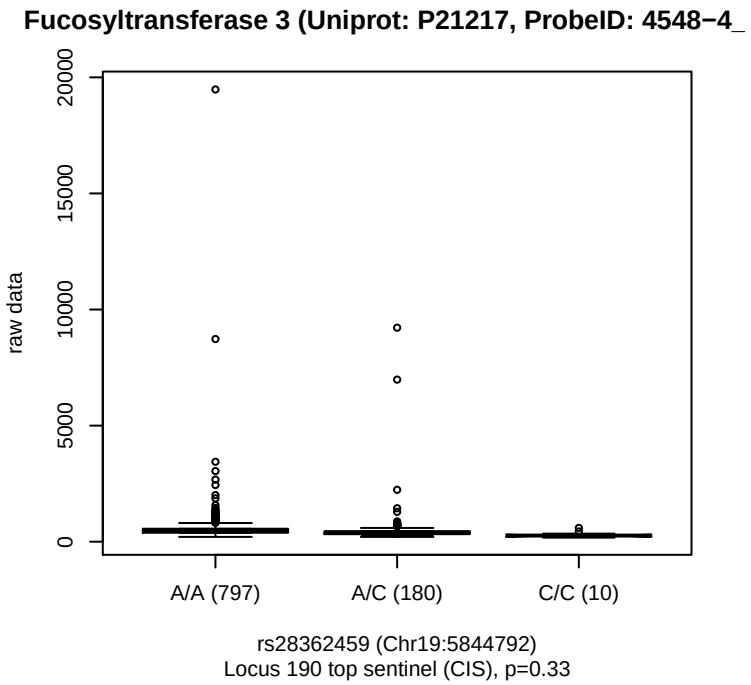

TECK (Uniprot: O15444, ProbeID: 2705−5_2)
Frequency
0
50
100
150
200
250
8
9
10
11
12
13
log2−scaled data
C−C motif chemokine 25

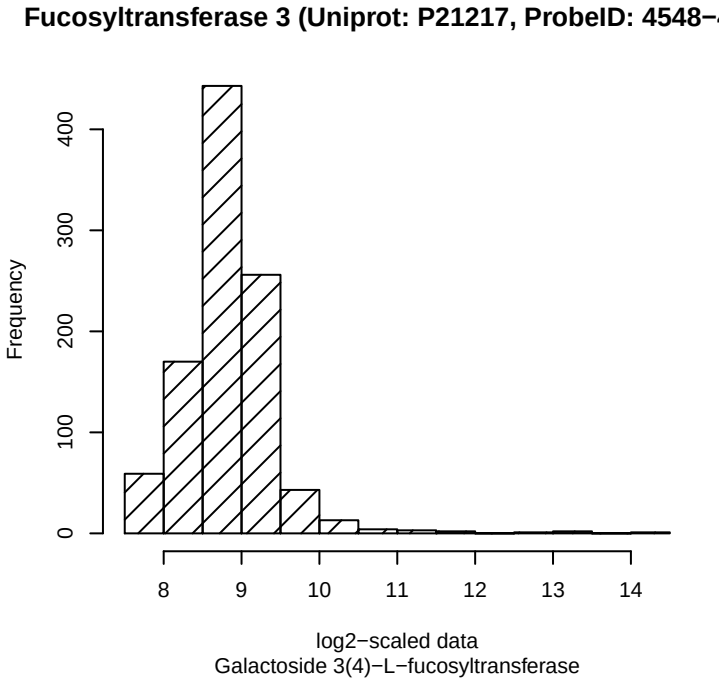

TECK (Uniprot: O15444, ProbeID: 2705−5_2)
log2−scaled data
8
9
10
11
12
13
C/C (889)
C/T (104)
T/T (NA)
rs3848570 (Chr19:8145928)
Locus 189 top sentinel (CIS), p=6e−18, FC=−1.4998

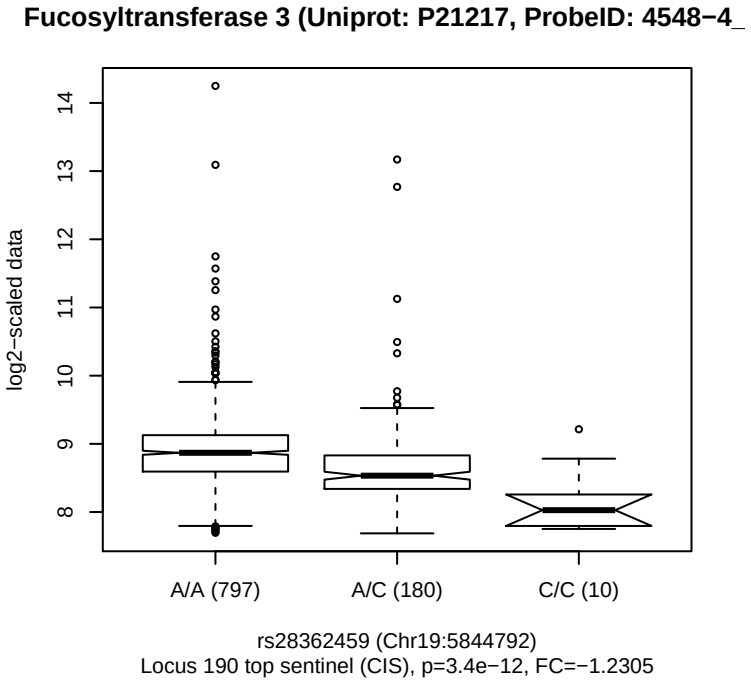

TECK (Uniprot: O15444, ProbeID: 2705−5_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 25

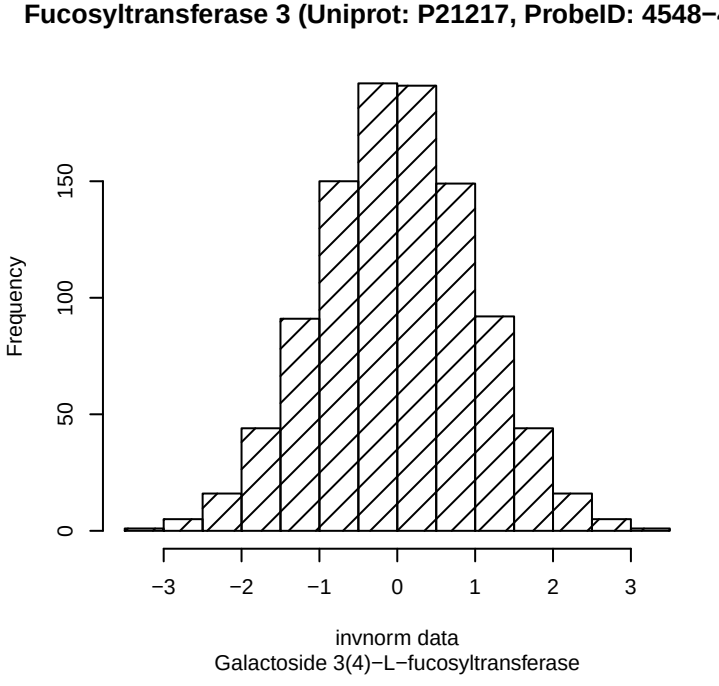

TECK (Uniprot: O15444, ProbeID: 2705−5_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (889)
C/T (104)
T/T (NA)
rs3848570 (Chr19:8145928)
Locus 189 top sentinel (CIS), p=7.6e−21

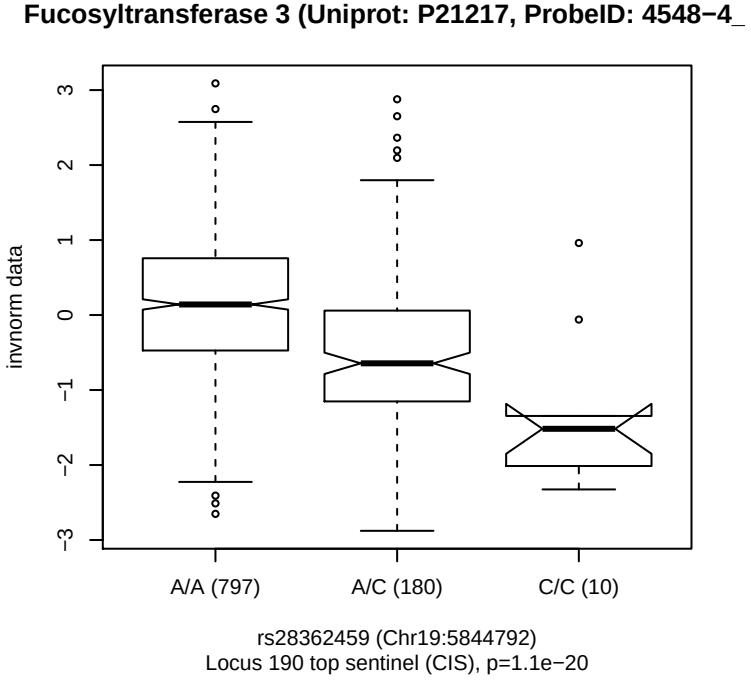

Fucosyltransferase 3 (Uniprot: P21217, ProbeID: 4548−4_
Frequency
0
200
400
600
800
1000
0
5000
10000
15000
20000
raw data
Galactoside 3(4)−L−fucosyltransferase

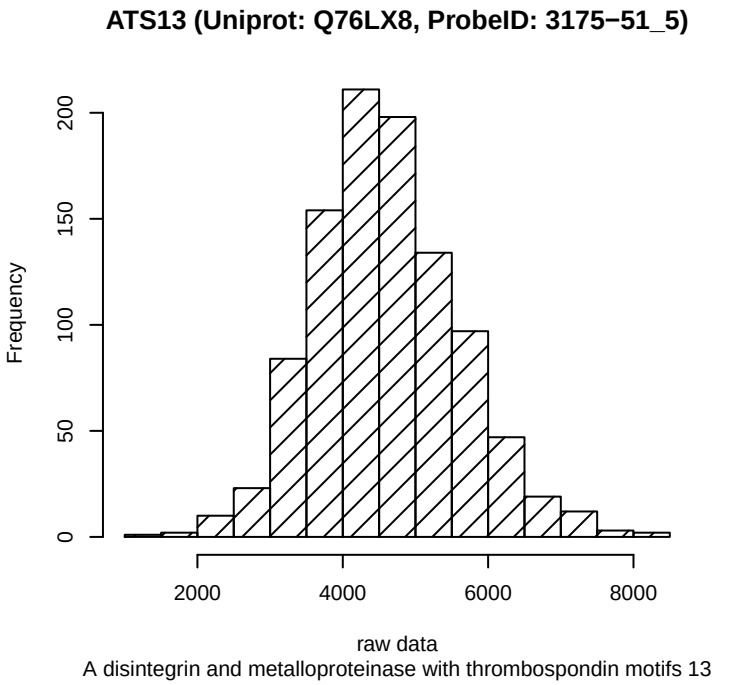

Fucosyltransferase 3 (Uniprot: P21217, ProbeID: 4548−4_
raw data
0
5000
10000
15000
20000
A/A (797)
A/C (180)
C/C (10)
rs28362459 (Chr19:5844792)
Locus 190 top sentinel (CIS), p=0.33

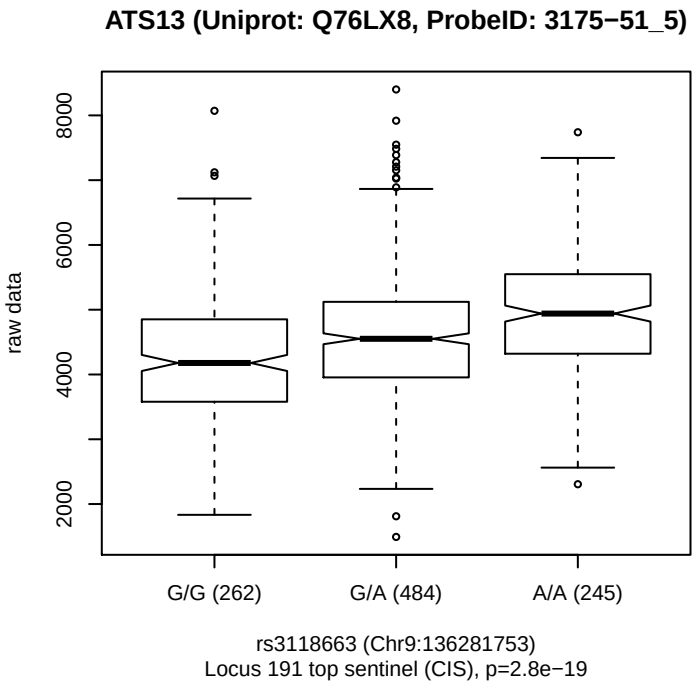

Fucosyltransferase 3 (Uniprot: P21217, ProbeID: 4548−4_
Frequency
0
100
200
300
400
8
9
10
11
12
13
14
log2−scaled data
Galactoside 3(4)−L−fucosyltransferase

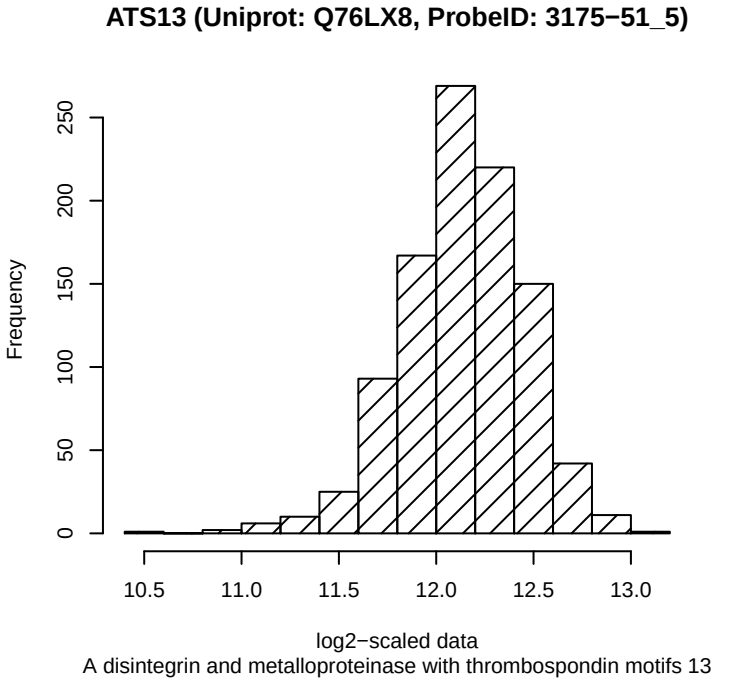

Fucosyltransferase 3 (Uniprot: P21217, ProbeID: 4548−4_
log2−scaled data
8
9
10
11
12
13
14
A/A (797)
A/C (180)
C/C (10)
rs28362459 (Chr19:5844792)
Locus 190 top sentinel (CIS), p=3.4e−12, FC=−1.2305

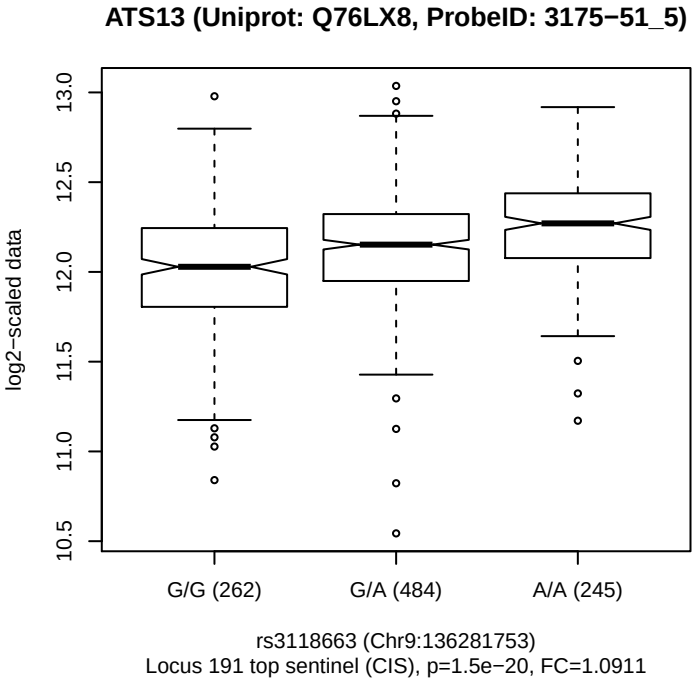

Fucosyltransferase 3 (Uniprot: P21217, ProbeID: 4548−4_
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Galactoside 3(4)−L−fucosyltransferase

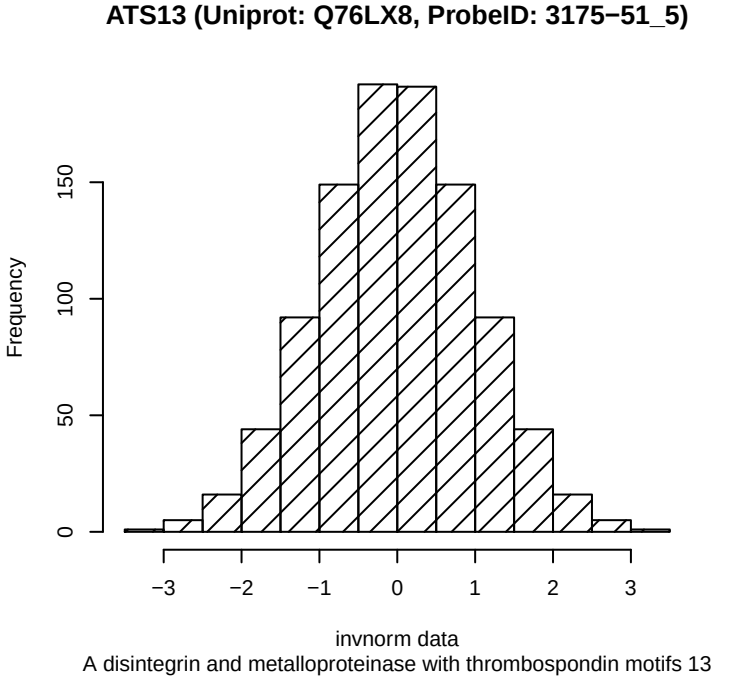

Fucosyltransferase 3 (Uniprot: P21217, ProbeID: 4548−4_
invnorm data
−3
−2
−1
0
1
2
3
A/A (797)
A/C (180)
C/C (10)
rs28362459 (Chr19:5844792)
Locus 190 top sentinel (CIS), p=1.1e−20

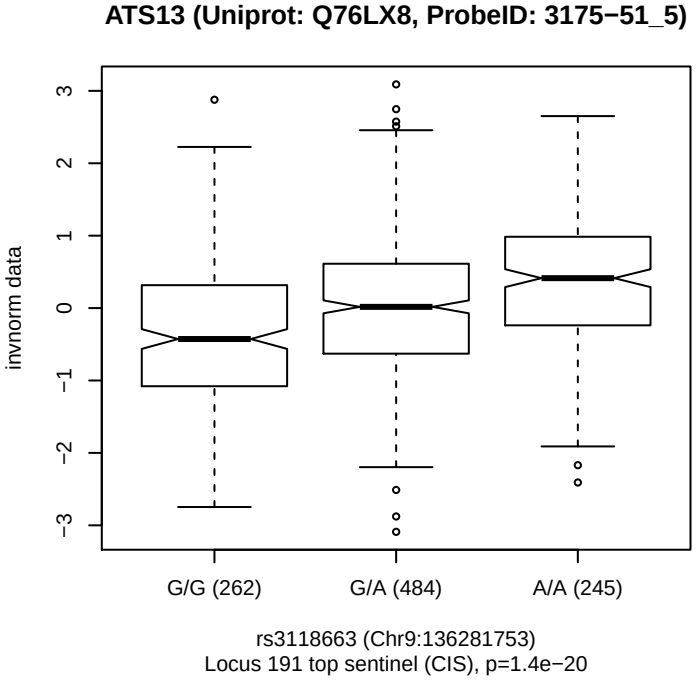

ATS13 (Uniprot: Q76LX8, ProbeID: 3175−51_5)
Frequency
0
50
100
150
200
2000
4000
6000
8000
raw data
A disintegrin and metalloproteinase with thrombospondin motifs 13

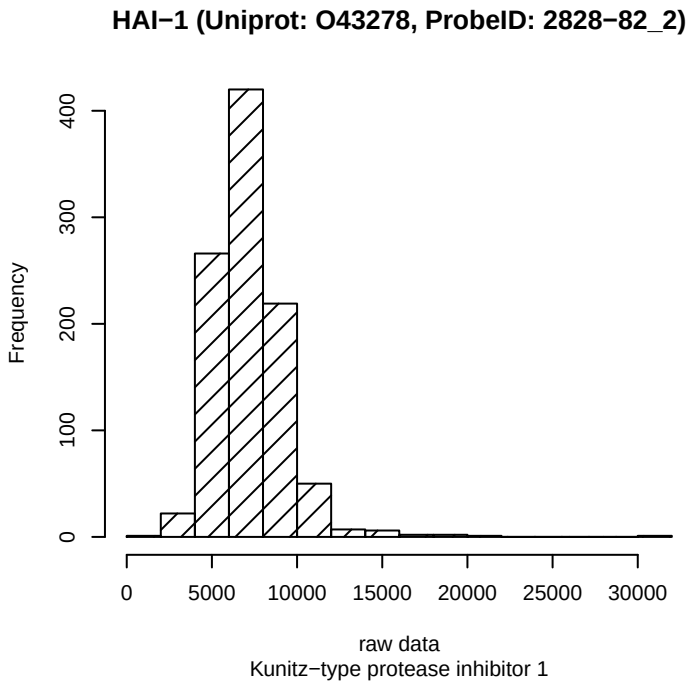

ATS13 (Uniprot: Q76LX8, ProbeID: 3175−51_5)
raw data
2000
4000
6000
8000
G/G (262)
G/A (484)
A/A (245)
rs3118663 (Chr9:136281753)
Locus 191 top sentinel (CIS), p=2.8e−19

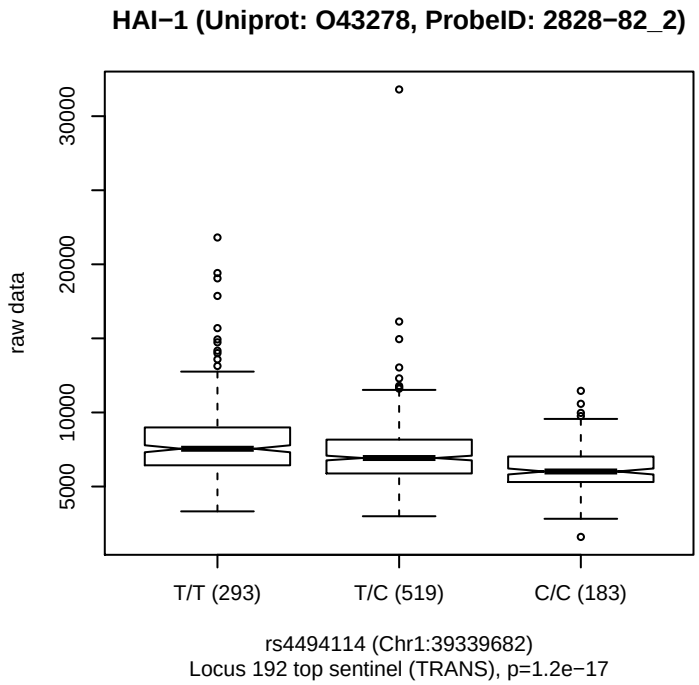

ATS13 (Uniprot: Q76LX8, ProbeID: 3175−51_5)
Frequency
0
50
100
150
200
250
10.5
11.0
11.5
12.0
12.5
13.0
log2−scaled data
A disintegrin and metalloproteinase with thrombospondin motifs 13

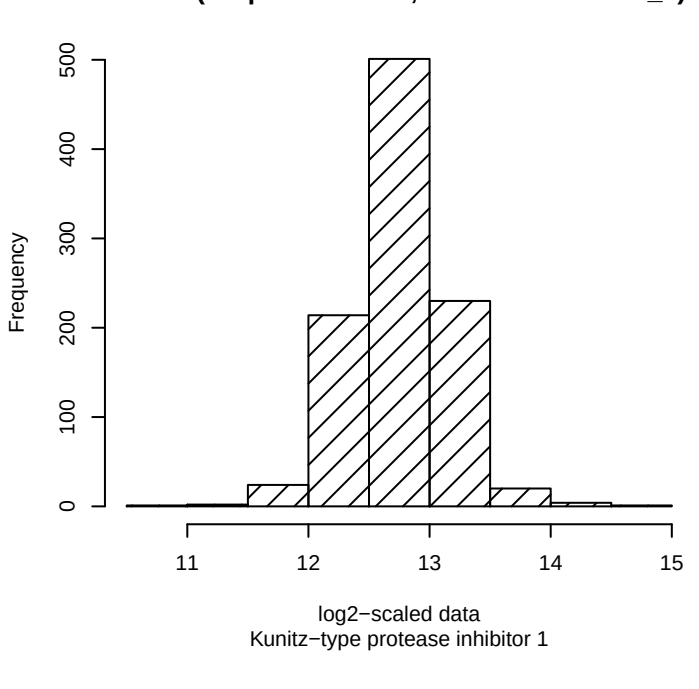

ATS13 (Uniprot: Q76LX8, ProbeID: 3175−51_5)
log2−scaled data
10.5
11.0
11.5
12.0
12.5
13.0
G/G (262)
G/A (484)
A/A (245)
rs3118663 (Chr9:136281753)
Locus 191 top sentinel (CIS), p=1.5e−20, FC=1.0911

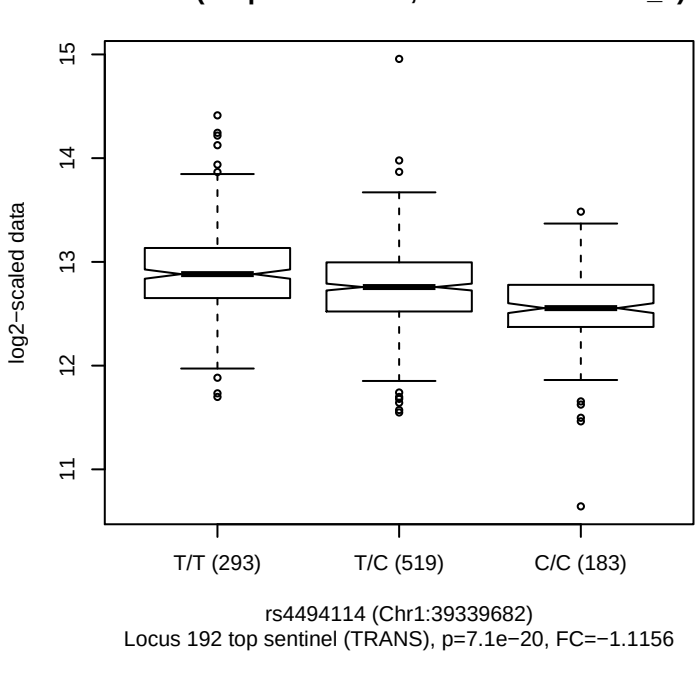

ATS13 (Uniprot: Q76LX8, ProbeID: 3175−51_5)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
A disintegrin and metalloproteinase with thrombospondin motifs 13

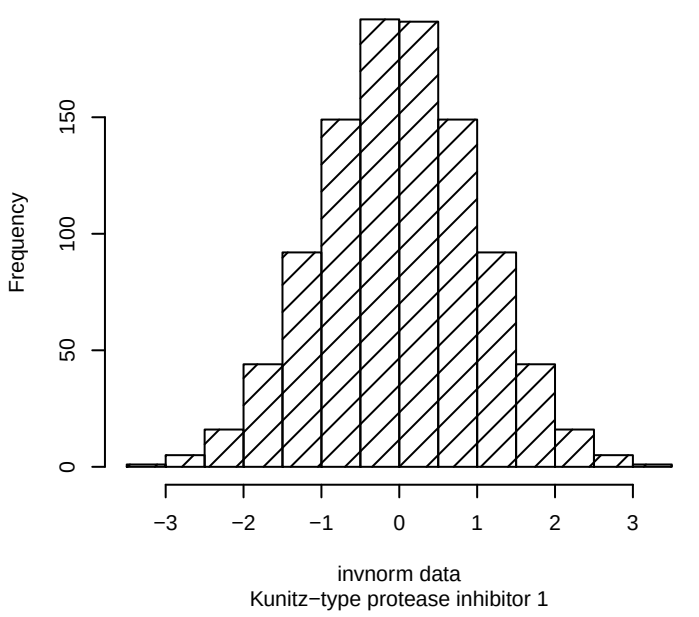

ATS13 (Uniprot: Q76LX8, ProbeID: 3175−51_5)
invnorm data
−3
−2
−1
0
1
2
3
G/G (262)
G/A (484)
A/A (245)
rs3118663 (Chr9:136281753)
Locus 191 top sentinel (CIS), p=1.4e−20

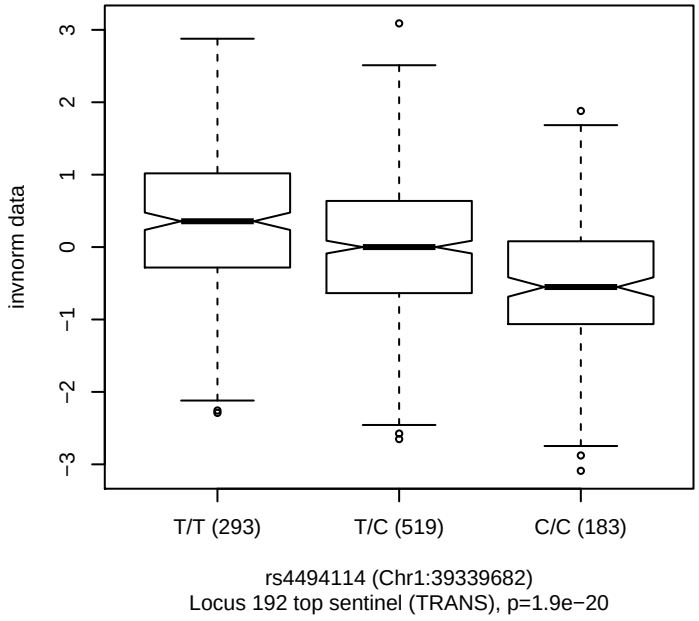

HAI−1 (Uniprot: O43278, ProbeID: 2828−82_2)
Frequency
0
100
200
300
400
0
5000
10000
15000
20000
25000
30000
raw data
Kunitz−type protease inhibitor 1

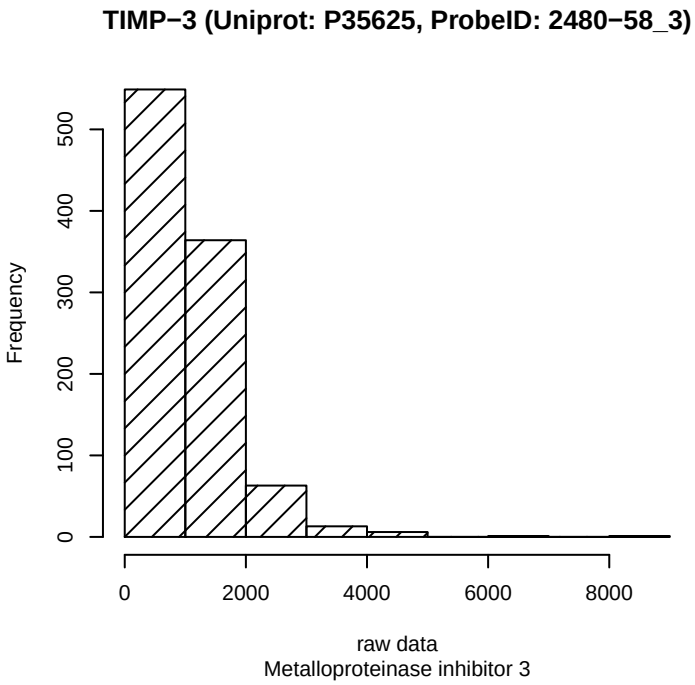

HAI−1 (Uniprot: O43278, ProbeID: 2828−82_2)
raw data
5000
10000
20000
30000
T/T (293)
T/C (519)
C/C (183)
rs4494114 (Chr1:39339682)
Locus 192 top sentinel (TRANS), p=1.2e−17

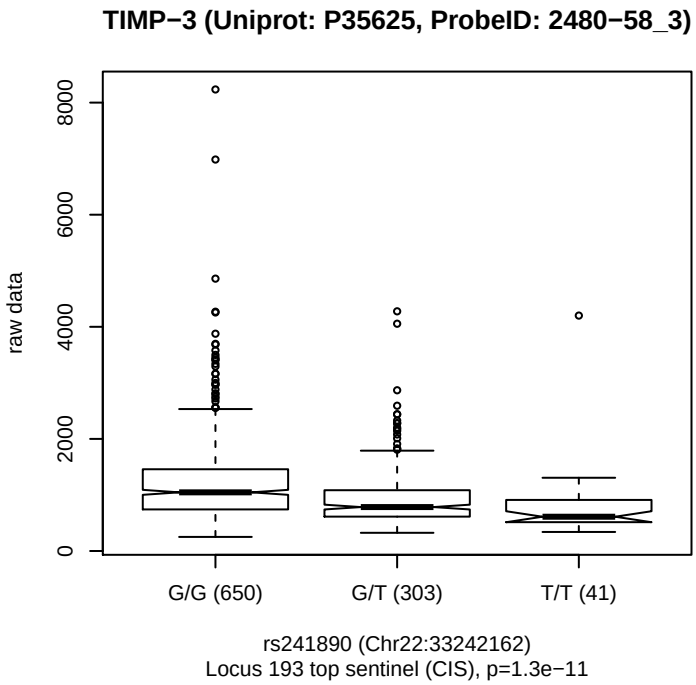

HAI−1 (Uniprot: O43278, ProbeID: 2828−82_2)
Frequency
0
100
200
300
400
500
11
12
13
14
15
log2−scaled data
Kunitz−type protease inhibitor 1

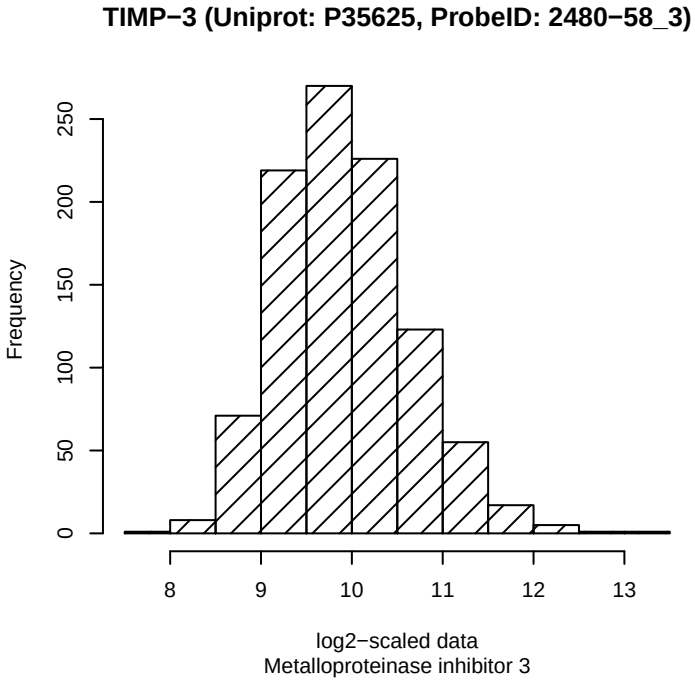

HAI−1 (Uniprot: O43278, ProbeID: 2828−82_2)
log2−scaled data
11
12
13
14
15
T/T (293)
T/C (519)
C/C (183)
rs4494114 (Chr1:39339682)
Locus 192 top sentinel (TRANS), p=7.1e−20, FC=−1.1156

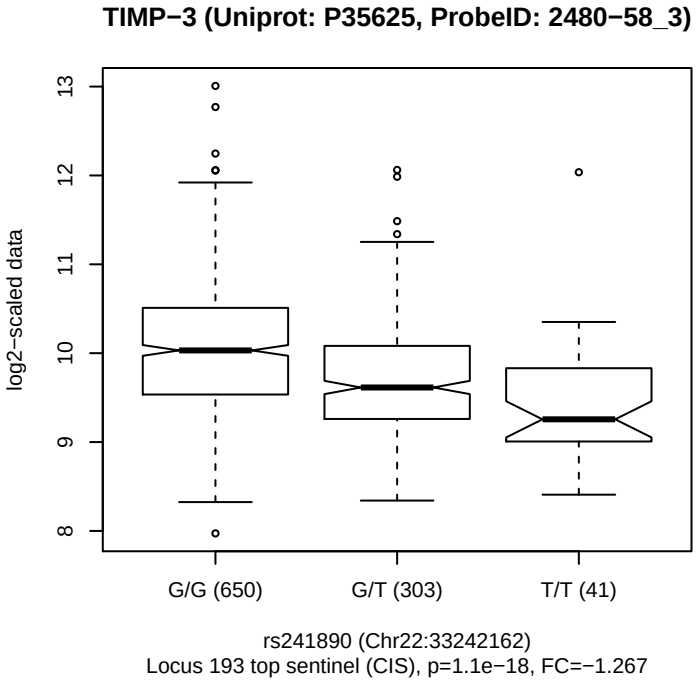

HAI−1 (Uniprot: O43278, ProbeID: 2828−82_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Kunitz−type protease inhibitor 1

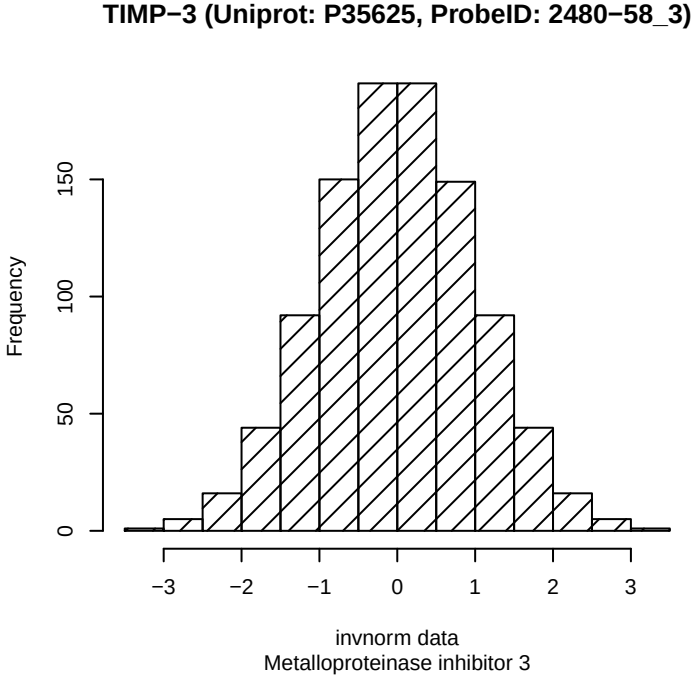

HAI−1 (Uniprot: O43278, ProbeID: 2828−82_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (293)
T/C (519)
C/C (183)
rs4494114 (Chr1:39339682)
Locus 192 top sentinel (TRANS), p=1.9e−20

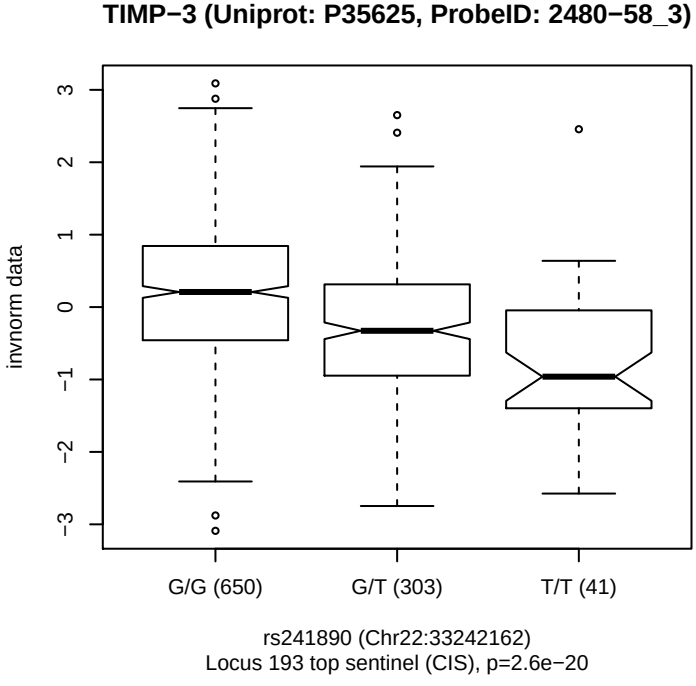

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
Frequency
0
100
200
300
400
500
0
2000
4000
6000
8000
raw data
Metalloproteinase inhibitor 3

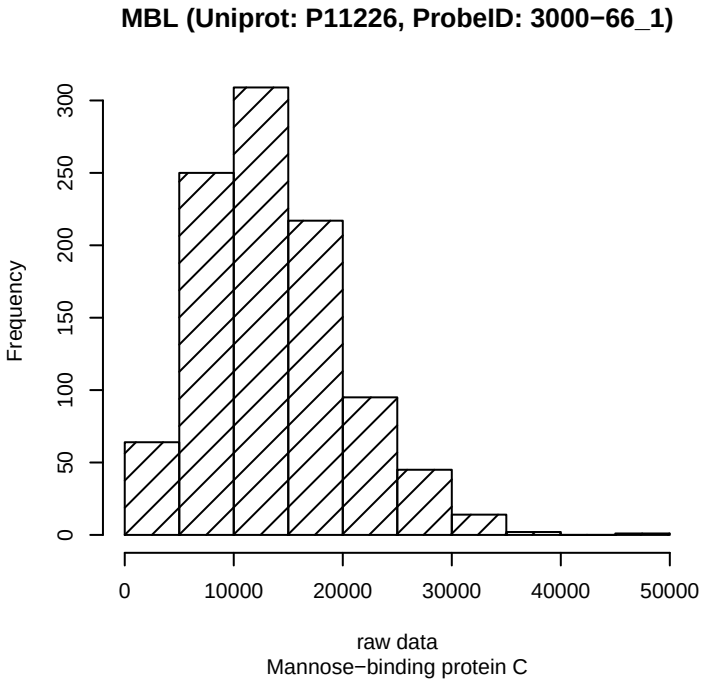

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
raw data
0
2000
4000
6000
8000
G/G (650)
G/T (303)
T/T (41)
rs241890 (Chr22:33242162)
Locus 193 top sentinel (CIS), p=1.3e−11

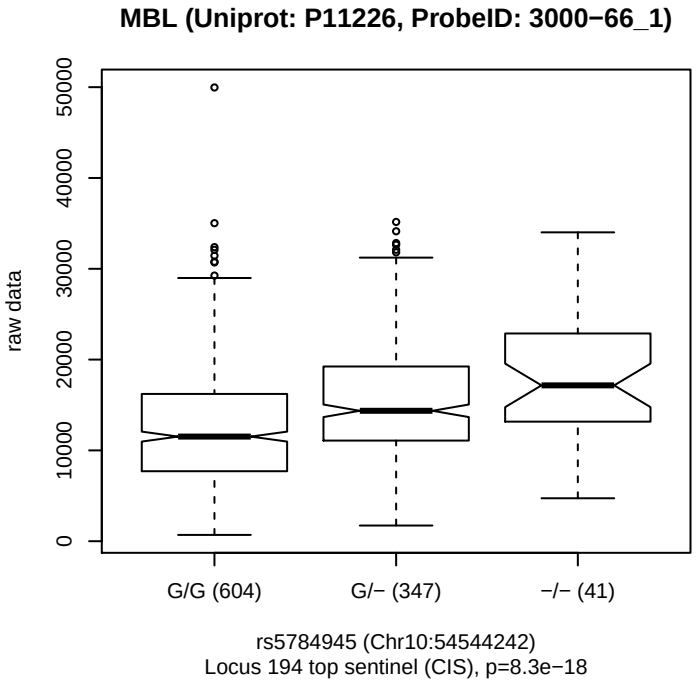

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
Frequency
0
50
100
150
200
250
8
9
10
11
12
13
log2−scaled data
Metalloproteinase inhibitor 3

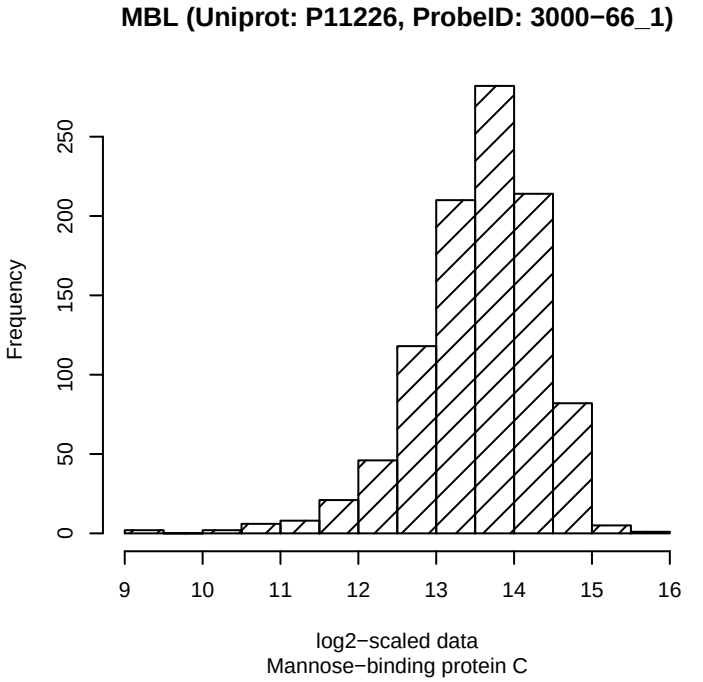

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
log2−scaled data
8
9
10
11
12
13
G/G (650)
G/T (303)
T/T (41)
rs241890 (Chr22:33242162)
Locus 193 top sentinel (CIS), p=1.1e−18, FC=−1.267

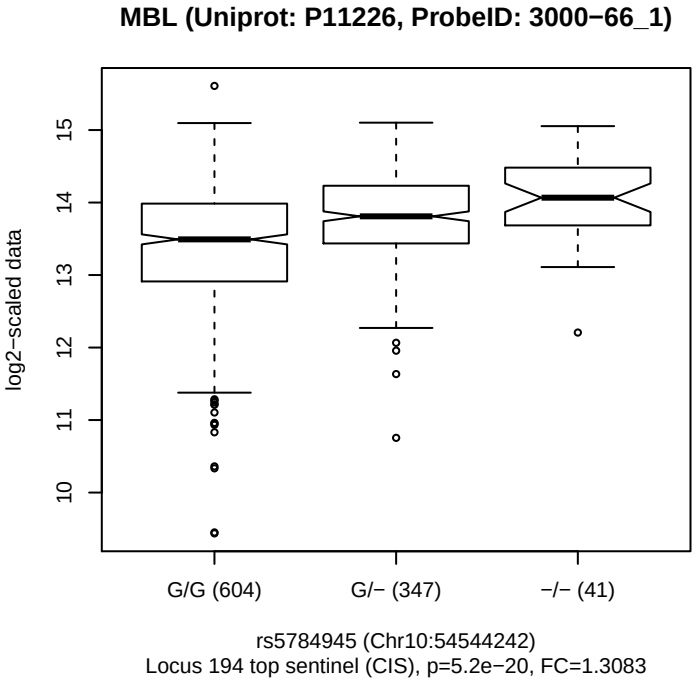

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Metalloproteinase inhibitor 3

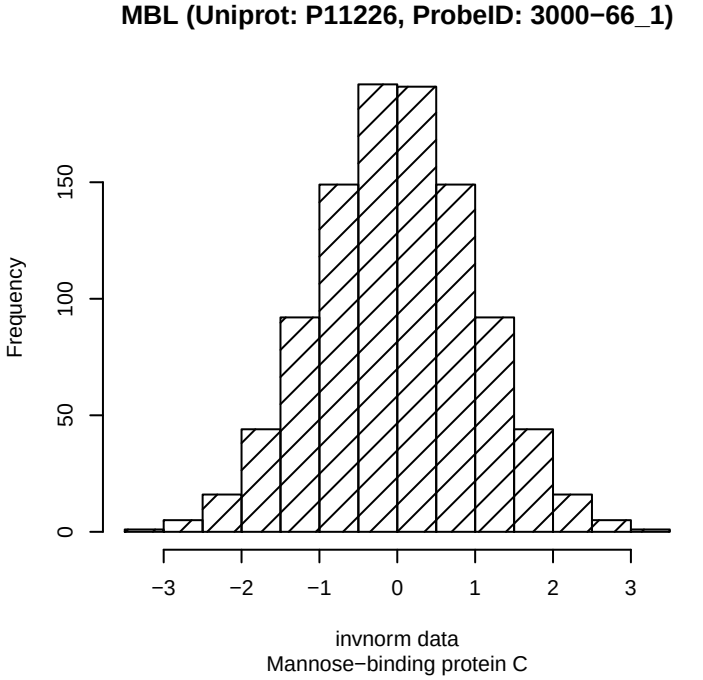

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
invnorm data
−3
−2
−1
0
1
2
3
G/G (650)
G/T (303)
T/T (41)
rs241890 (Chr22:33242162)
Locus 193 top sentinel (CIS), p=2.6e−20

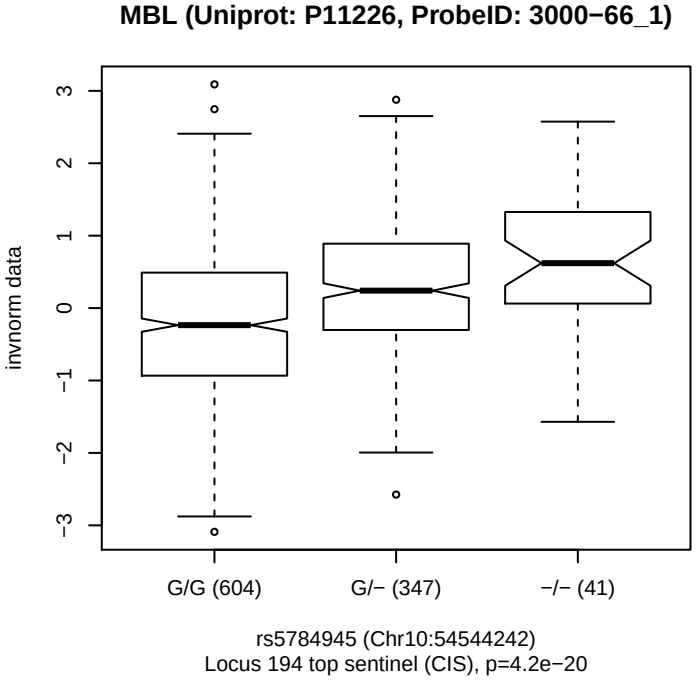

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
Frequency
0
50
100
150
200
250
300
0
10000
20000
30000
40000
50000
raw data
Mannose−binding protein C

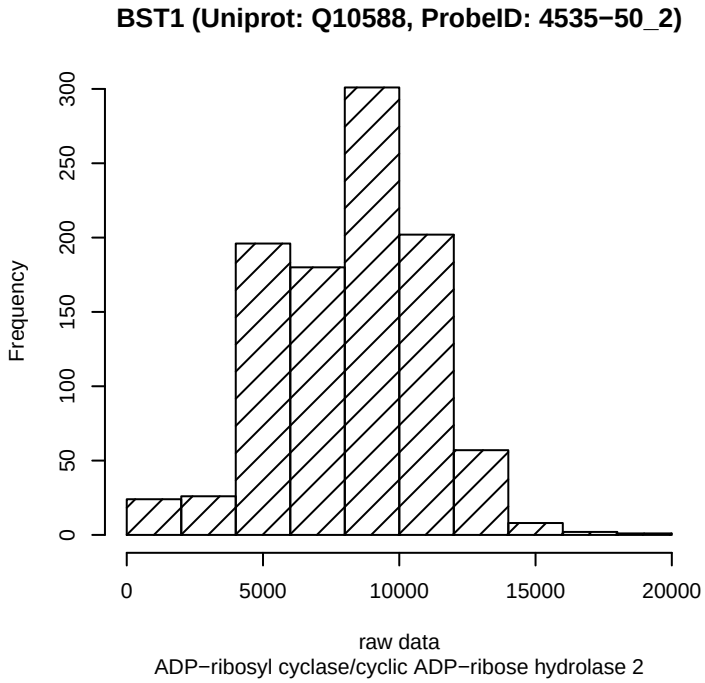

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
raw data
0
10000
20000
30000
40000
50000
G/G (604)
G/− (347)
−/− (41)
rs5784945 (Chr10:54544242)
Locus 194 top sentinel (CIS), p=8.3e−18

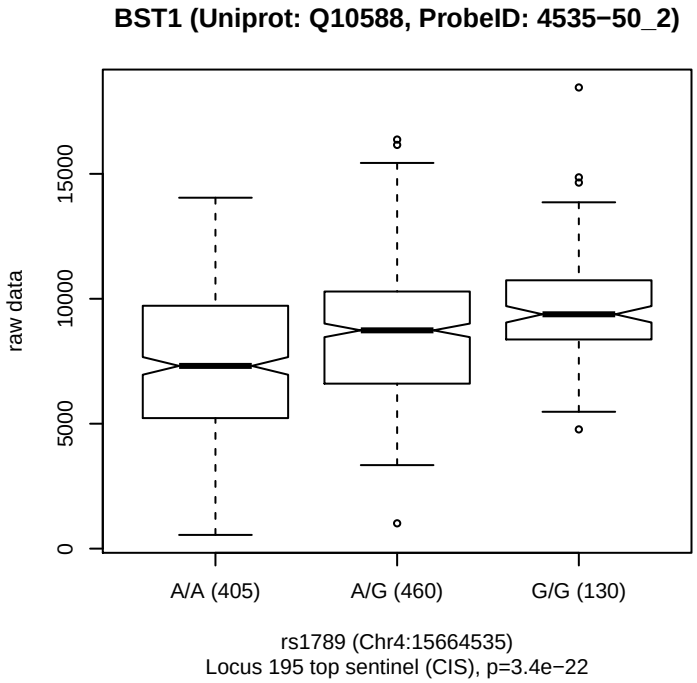

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
Frequency
0
50
100
150
200
250
9
10
11
12
13
14
15
16
log2−scaled data
Mannose−binding protein C

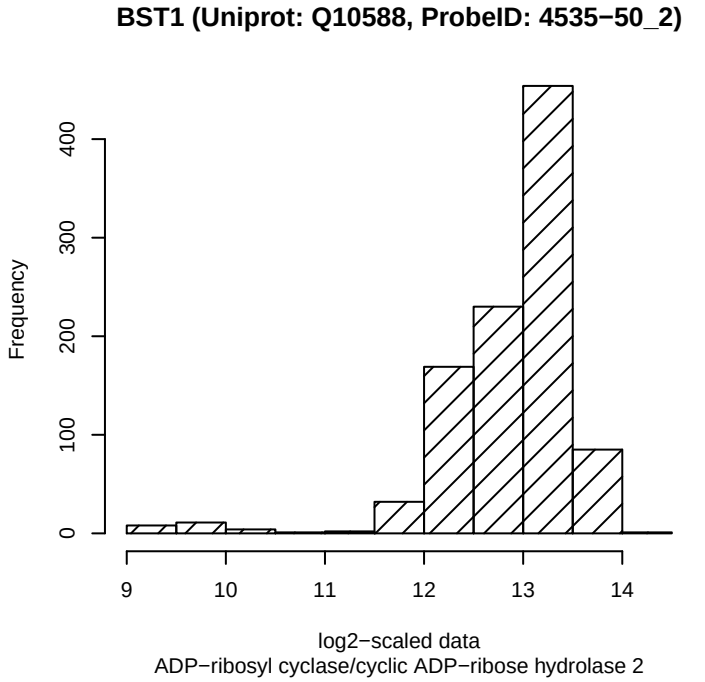

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
log2−scaled data
10
11
12
13
14
15
G/G (604)
G/− (347)
−/− (41)
rs5784945 (Chr10:54544242)
Locus 194 top sentinel (CIS), p=5.2e−20, FC=1.3083

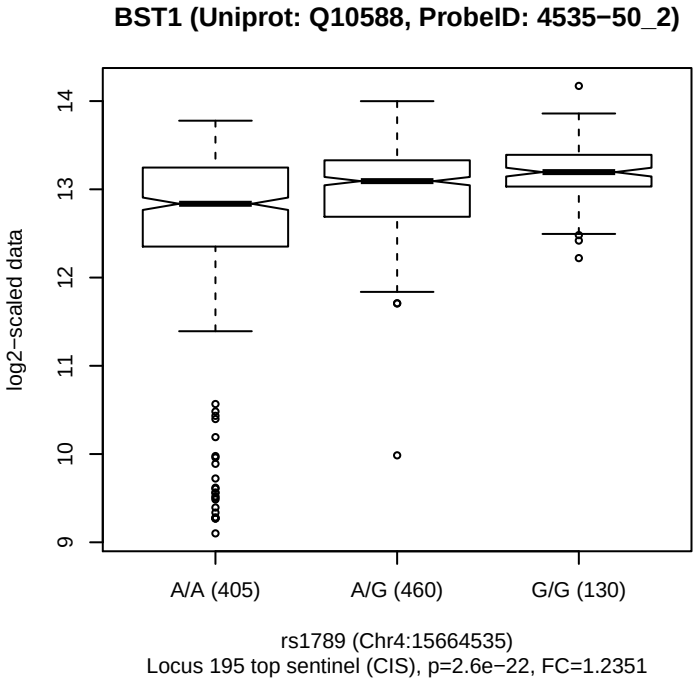

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Mannose−binding protein C

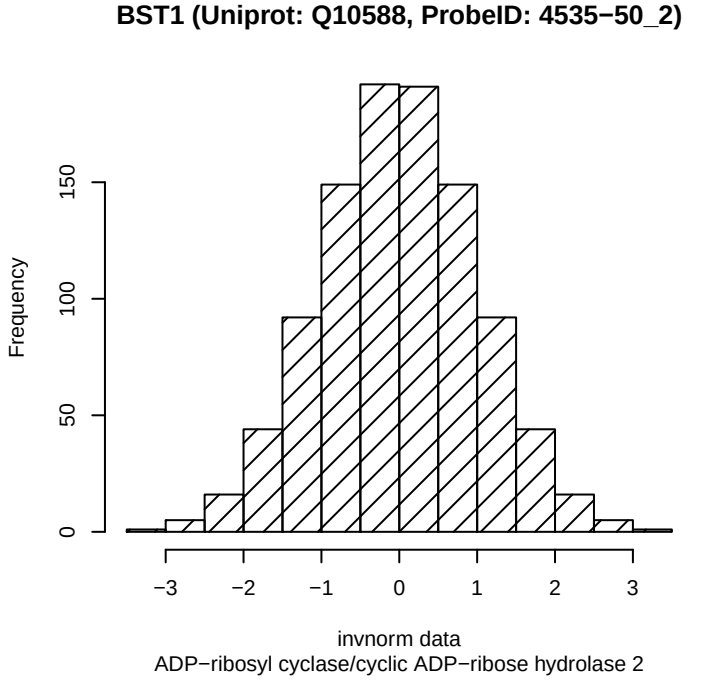

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
invnorm data
−3
−2
−1
0
1
2
3
G/G (604)
G/− (347)
−/− (41)
rs5784945 (Chr10:54544242)
Locus 194 top sentinel (CIS), p=4.2e−20

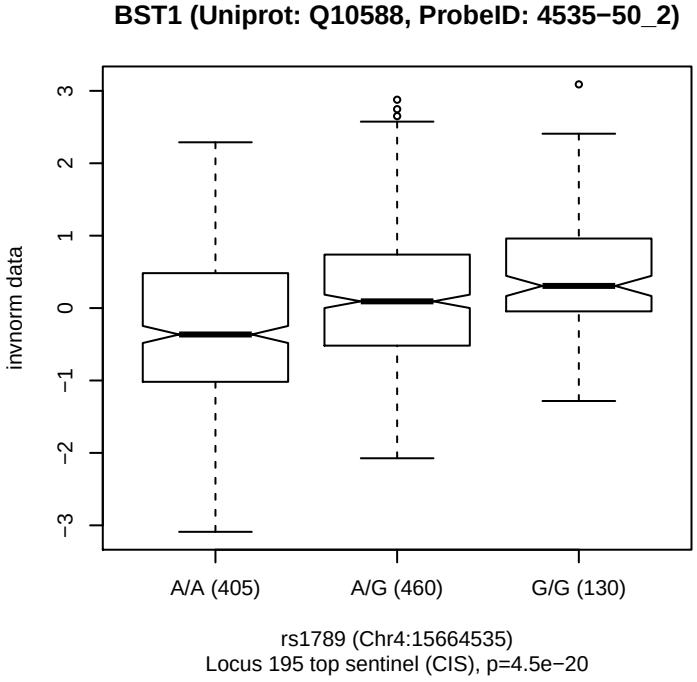

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
Frequency
0
50
100
150
200
250
300
0
5000
10000
15000
20000
raw data
ADP−ribosyl cyclase/cyclic ADP−ribose hydrolase 2

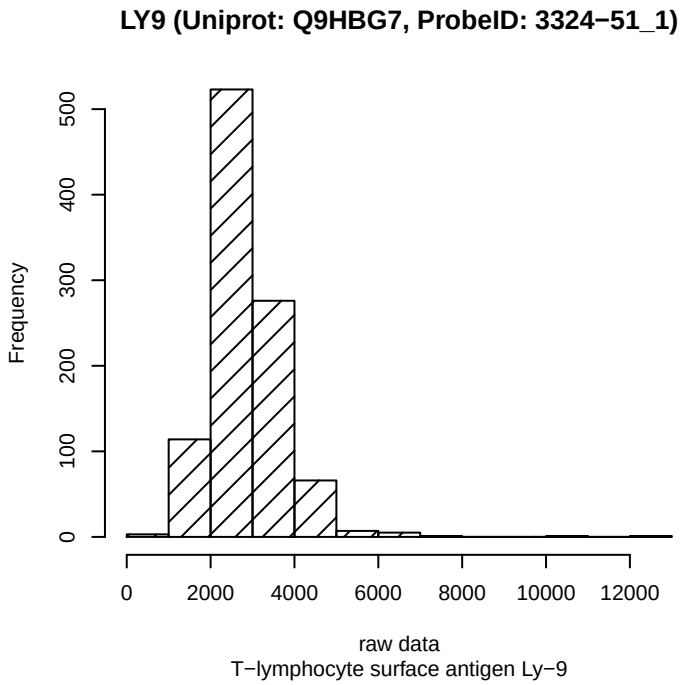

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
raw data
0
5000
10000
15000
A/A (405)
A/G (460)
G/G (130)
rs1789 (Chr4:15664535)
Locus 195 top sentinel (CIS), p=3.4e−22

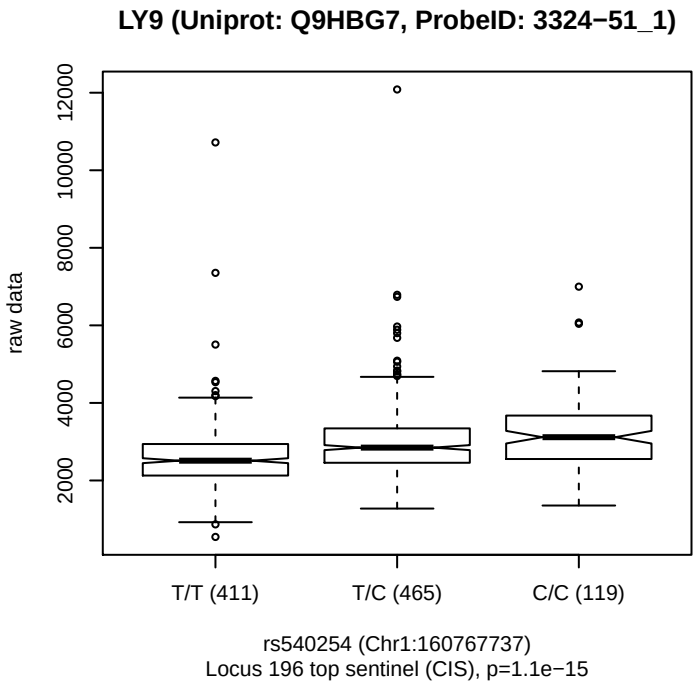

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
Frequency
0
100
200
300
400
9
10
11
12
13
14
log2−scaled data
ADP−ribosyl cyclase/cyclic ADP−ribose hydrolase 2

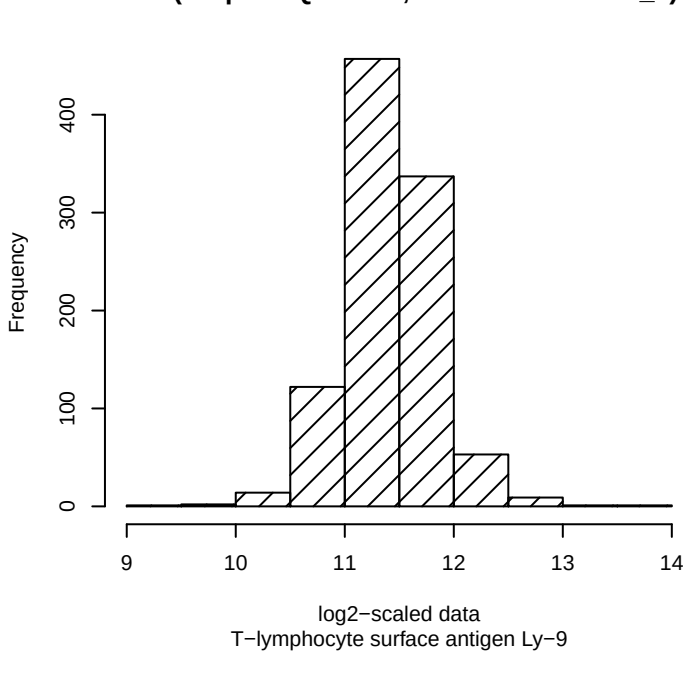

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
log2−scaled data
9
10
11
12
13
14
A/A (405)
A/G (460)
G/G (130)
rs1789 (Chr4:15664535)
Locus 195 top sentinel (CIS), p=2.6e−22, FC=1.2351

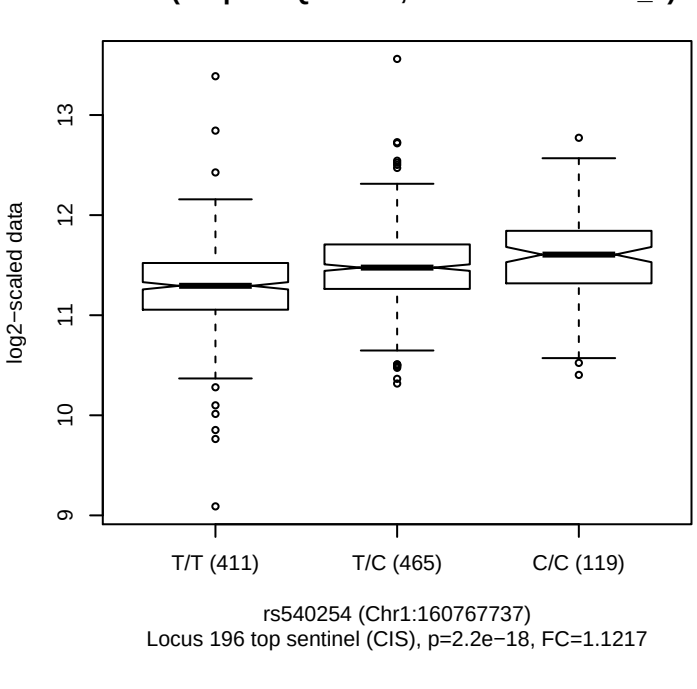

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
ADP−ribosyl cyclase/cyclic ADP−ribose hydrolase 2

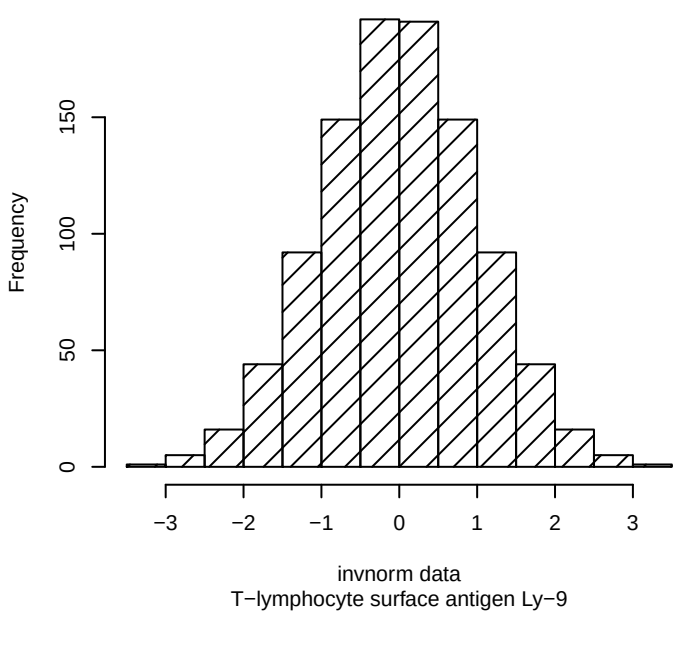

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (405)
A/G (460)
G/G (130)
rs1789 (Chr4:15664535)
Locus 195 top sentinel (CIS), p=4.5e−20

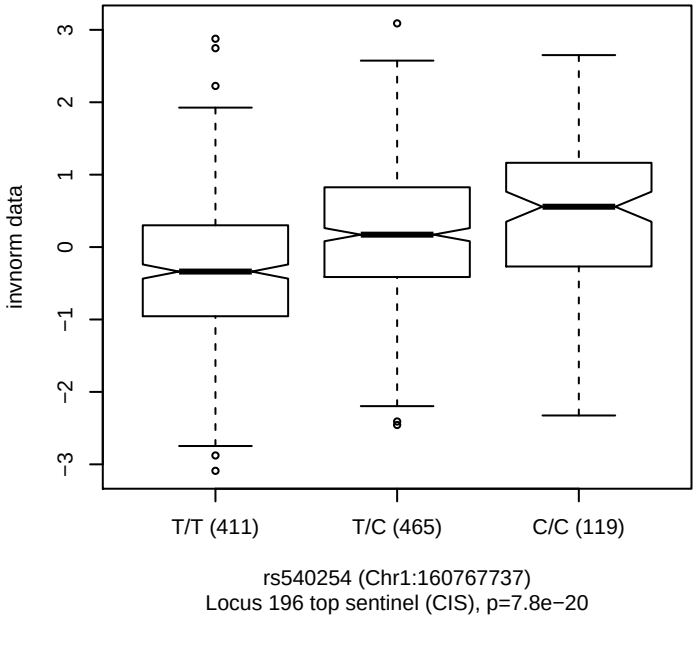

LY9 (Uniprot: Q9HBG7, ProbeID: 3324−51_1)
Frequency
0
100
200
300
400
500
0
2000
4000
6000
8000
10000
12000
raw data
T−lymphocyte surface antigen Ly−9

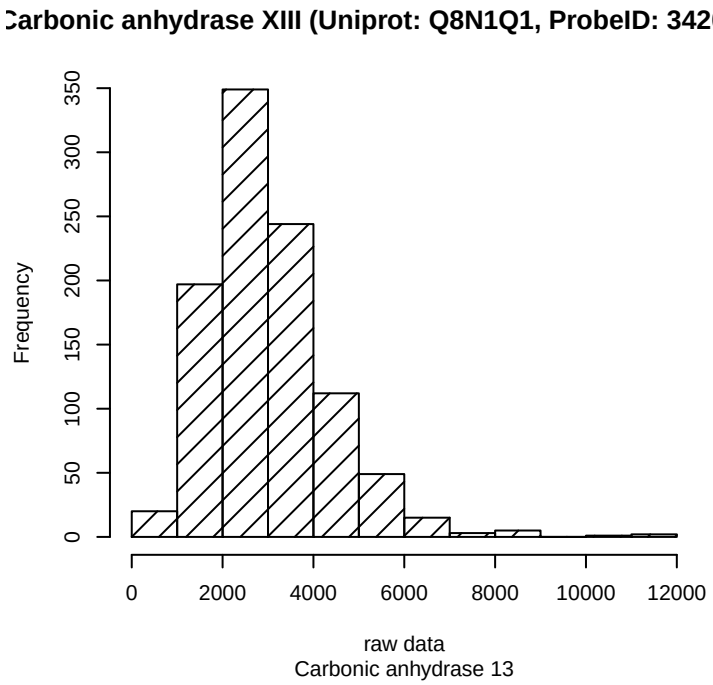

LY9 (Uniprot: Q9HBG7, ProbeID: 3324−51_1)
raw data
2000
4000
6000
8000
10000
12000
T/T (411)
T/C (465)
C/C (119)
rs540254 (Chr1:160767737)
Locus 196 top sentinel (CIS), p=1.1e−15

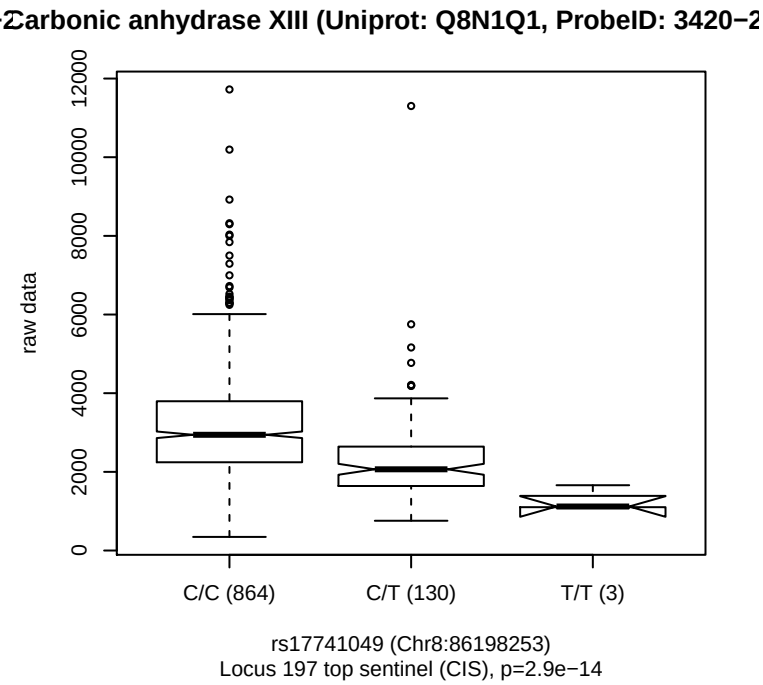

LY9 (Uniprot: Q9HBG7, ProbeID: 3324−51_1)
Frequency
0
100
200
300
400
9
10
11
12
13
14
log2−scaled data
T−lymphocyte surface antigen Ly−9

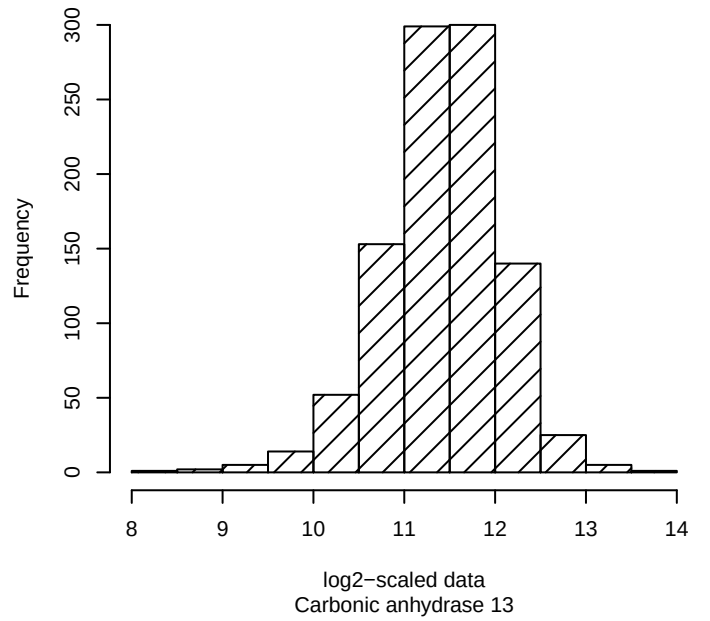

LY9 (Uniprot: Q9HBG7, ProbeID: 3324−51_1)
log2−scaled data
9
10
11
12
13
T/T (411)
T/C (465)
C/C (119)
rs540254 (Chr1:160767737)
Locus 196 top sentinel (CIS), p=2.2e−18, FC=1.1217

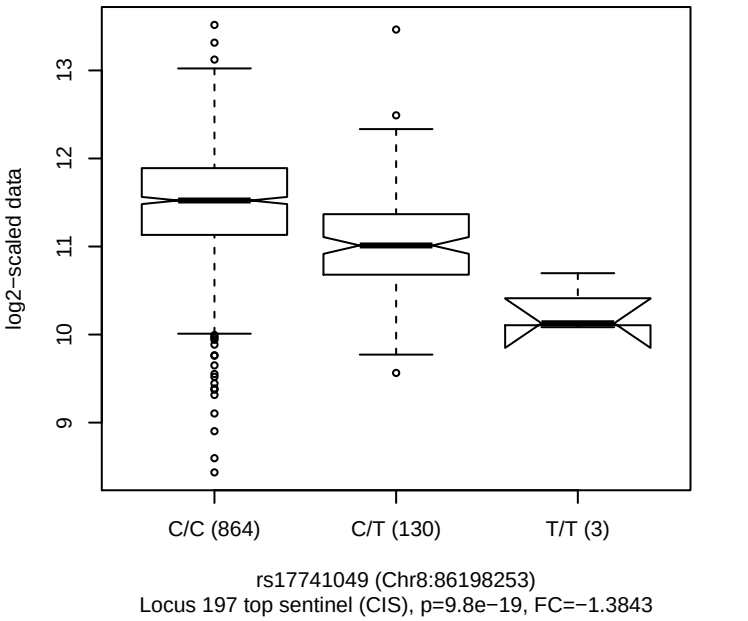

LY9 (Uniprot: Q9HBG7, ProbeID: 3324−51_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
T−lymphocyte surface antigen Ly−9

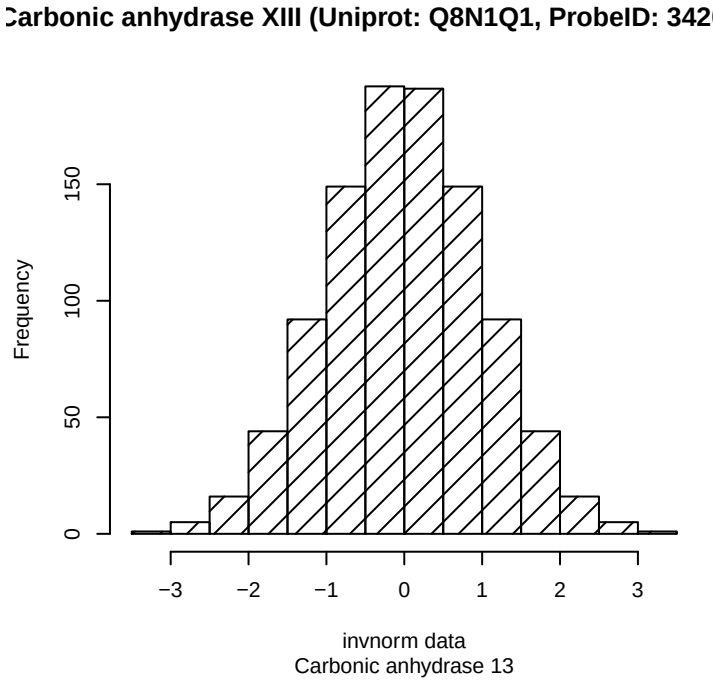

LY9 (Uniprot: Q9HBG7, ProbeID: 3324−51_1)
invnorm data
−3
−2
−1
0
1
2
3
T/T (411)
T/C (465)
C/C (119)
rs540254 (Chr1:160767737)
Locus 196 top sentinel (CIS), p=7.8e−20

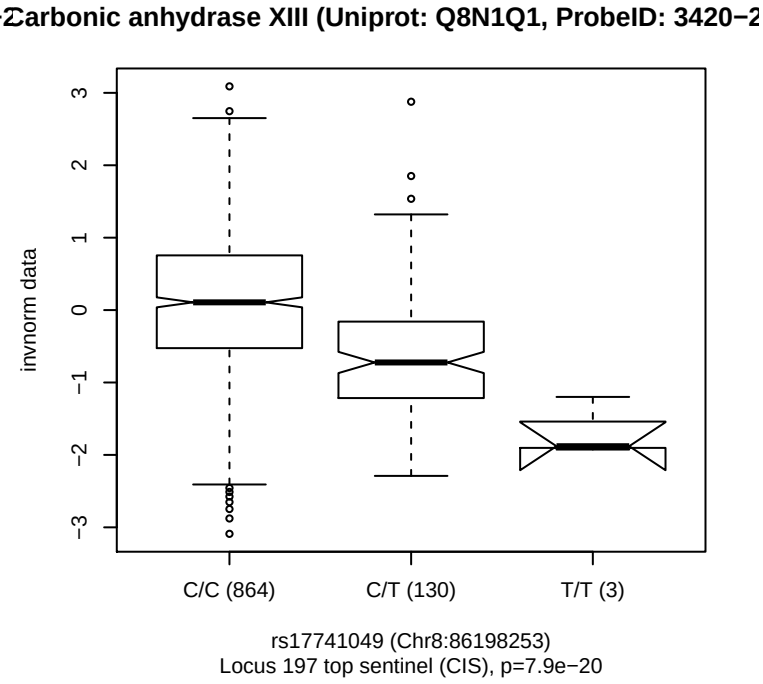

Carbonic anhydrase XIII (Uniprot: Q8N1Q1, ProbeID: 3420−2
Frequency
0
50
100
150
200
250
300
350
0
2000
4000
6000
8000
10000
12000
raw data
Carbonic anhydrase 13

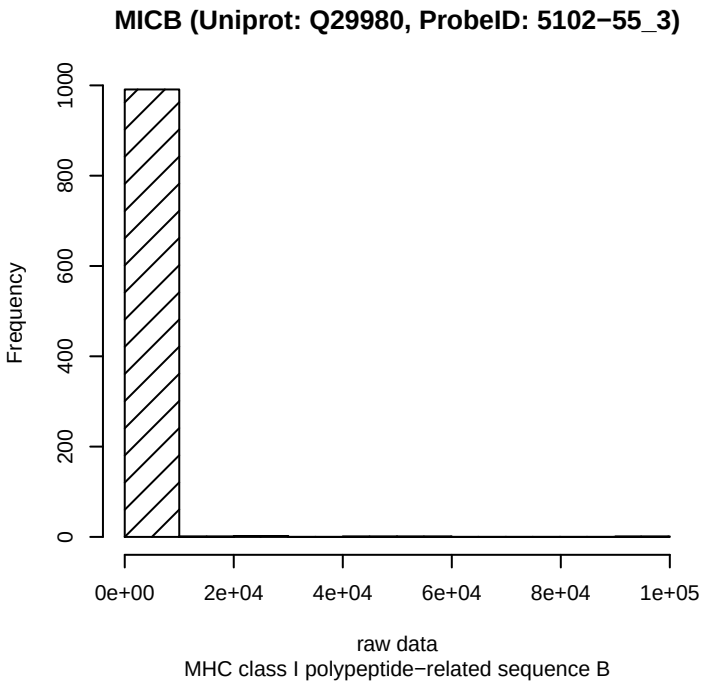

Carbonic anhydrase XIII (Uniprot: Q8N1Q1, ProbeID: 3420−2
raw data
0
2000
4000
6000
8000
10000
12000
C/C (864)
C/T (130)
T/T (3)
rs17741049 (Chr8:86198253)
Locus 197 top sentinel (CIS), p=2.9e−14

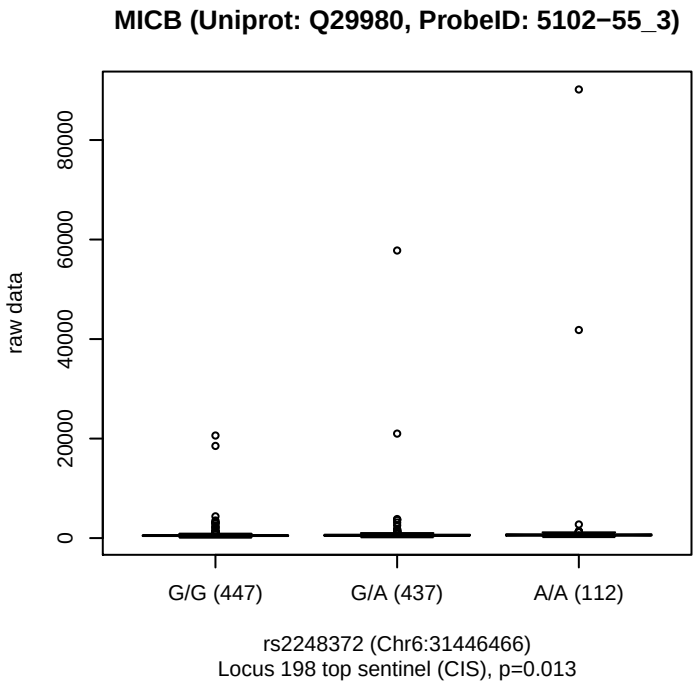

Carbonic anhydrase XIII (Uniprot: Q8N1Q1, ProbeID: 3420−2
Frequency
0
50
100
150
200
250
300
8
9
10
11
12
13
14
log2−scaled data
Carbonic anhydrase 13

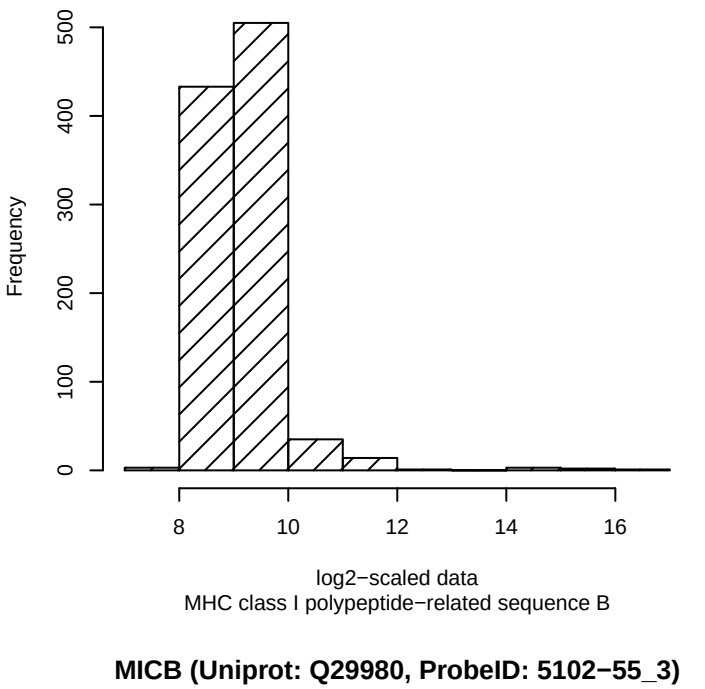

Carbonic anhydrase XIII (Uniprot: Q8N1Q1, ProbeID: 3420−2
log2−scaled data
9
10
11
12
13
C/C (864)
C/T (130)
T/T (3)
rs17741049 (Chr8:86198253)
Locus 197 top sentinel (CIS), p=9.8e−19, FC=−1.3843

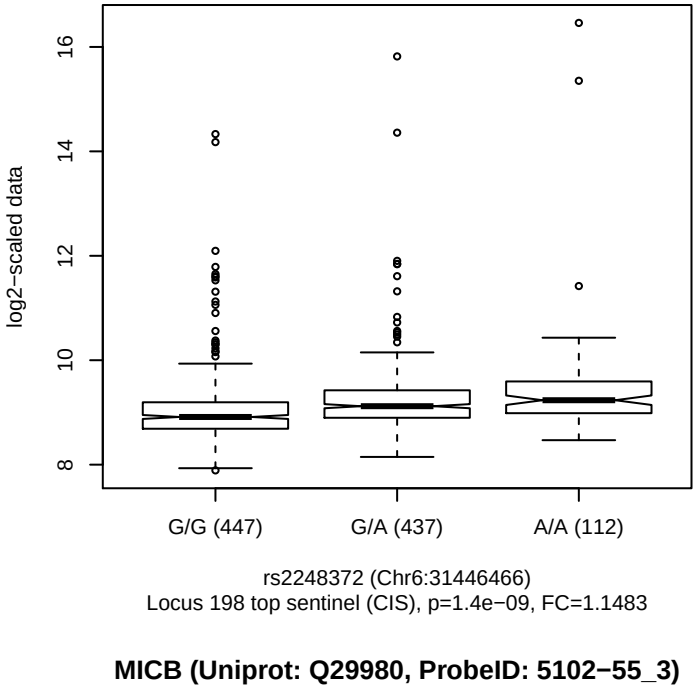

Carbonic anhydrase XIII (Uniprot: Q8N1Q1, ProbeID: 3420−2
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Carbonic anhydrase 13

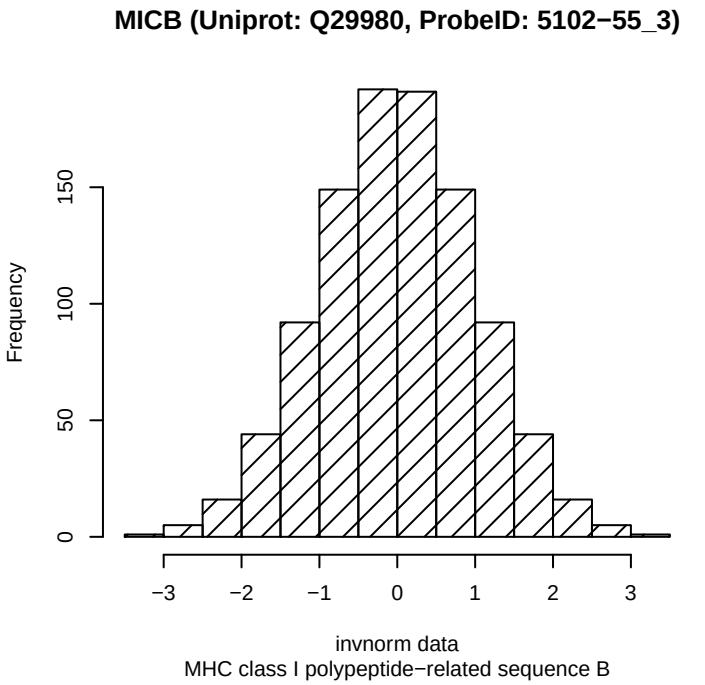

Carbonic anhydrase XIII (Uniprot: Q8N1Q1, ProbeID: 3420−2
invnorm data
−3
−2
−1
0
1
2
3
C/C (864)
C/T (130)
T/T (3)
rs17741049 (Chr8:86198253)
Locus 197 top sentinel (CIS), p=7.9e−20

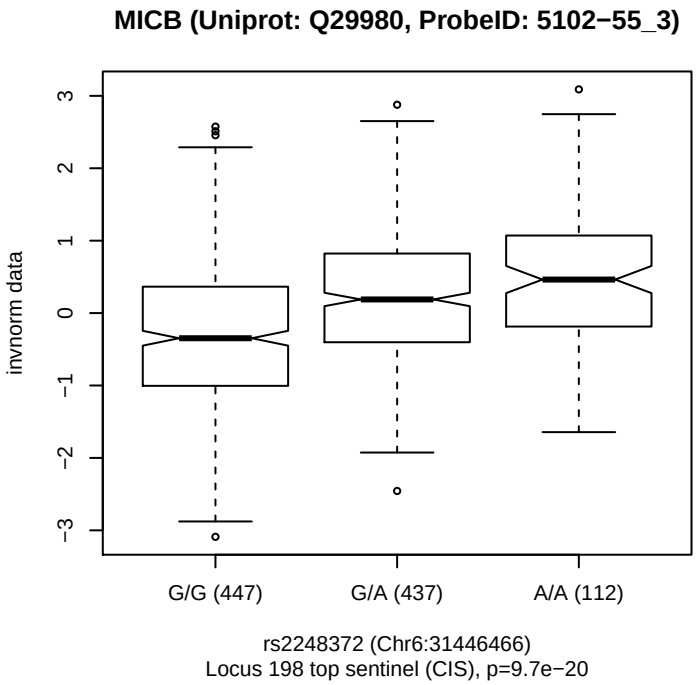

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
200
400
600
800
1000
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
raw data
MHC class I polypeptide−related sequence B

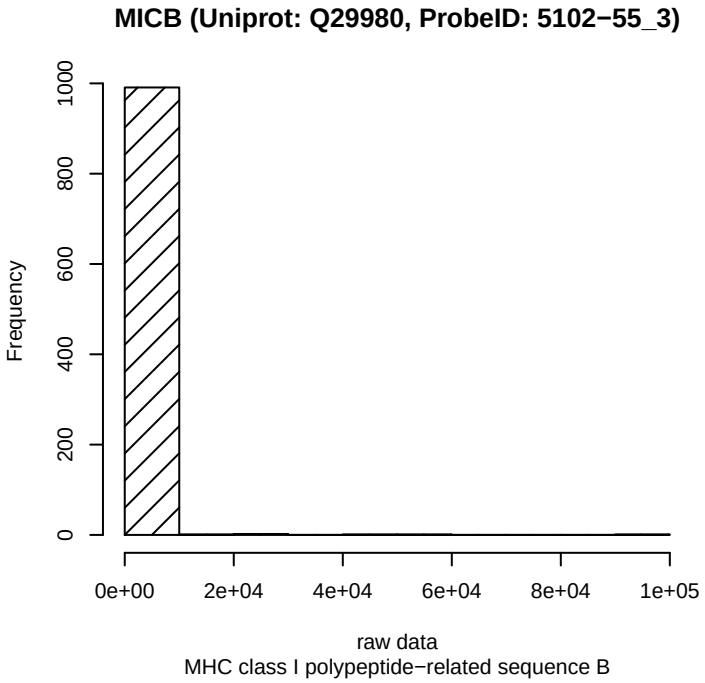

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
raw data
0
20000
40000
60000
80000
G/G (447)
G/A (437)
A/A (112)
rs2248372 (Chr6:31446466)
Locus 198 top sentinel (CIS), p=0.013

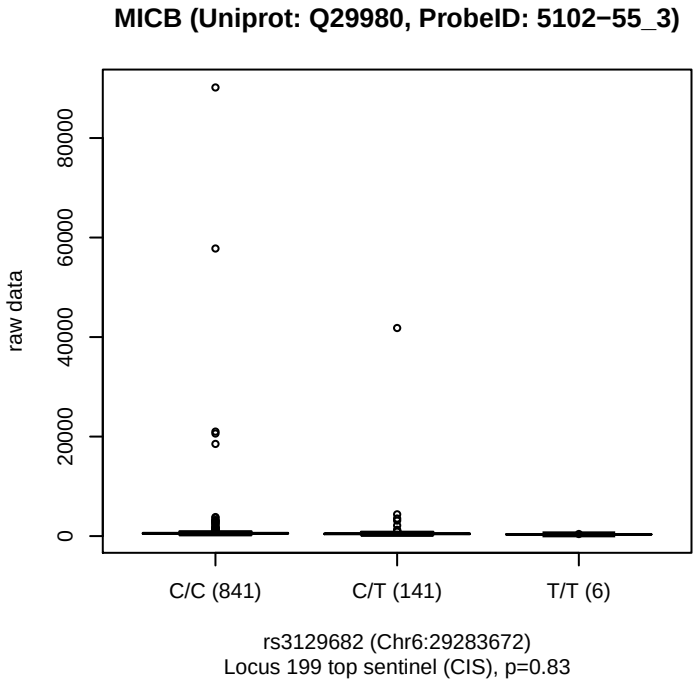

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
100
200
300
400
500
8
10
12
14
16
log2−scaled data
MHC class I polypeptide−related sequence B

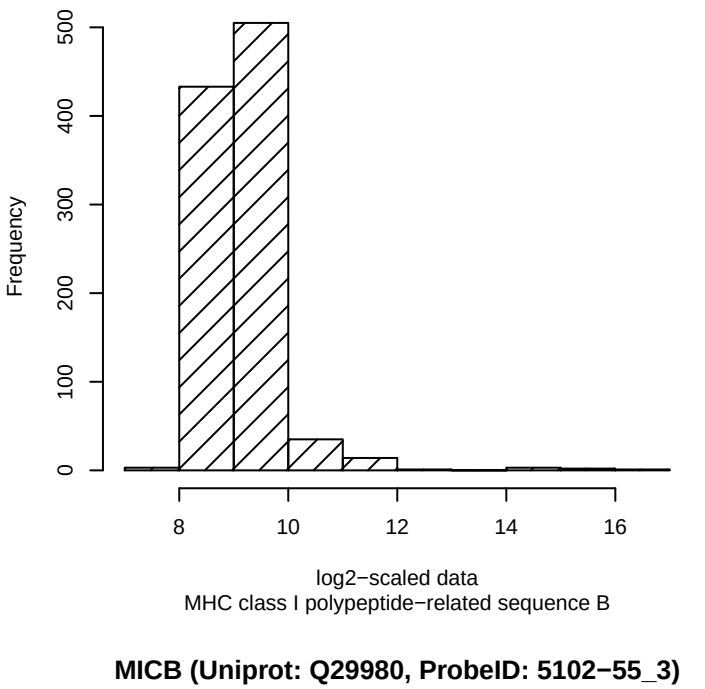

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
log2−scaled data
8
10
12
14
16
G/G (447)
G/A (437)
A/A (112)
rs2248372 (Chr6:31446466)
Locus 198 top sentinel (CIS), p=1.4e−09, FC=1.1483

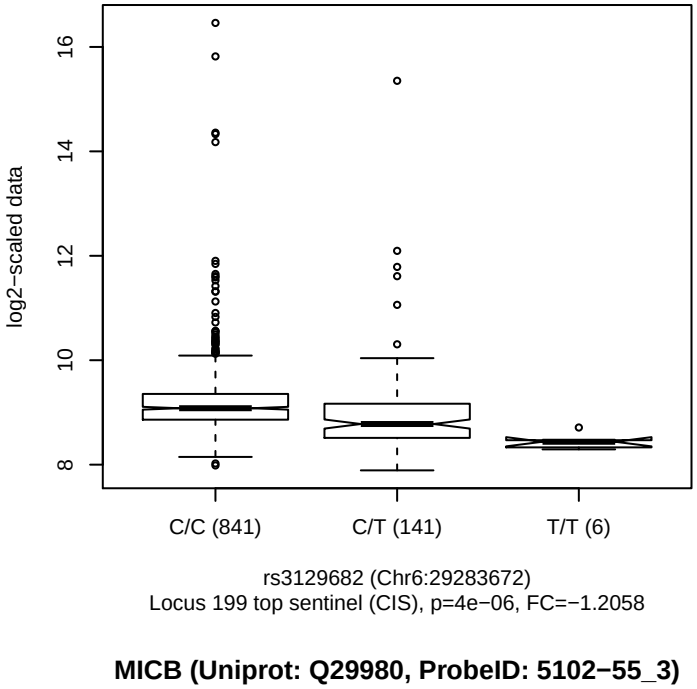

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence B

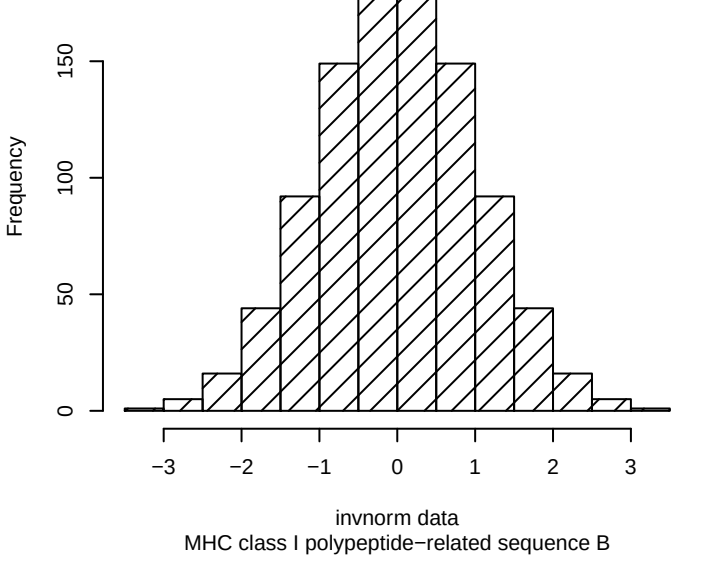

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
invnorm data
−3
−2
−1
0
1
2
3
G/G (447)
G/A (437)
A/A (112)
rs2248372 (Chr6:31446466)
Locus 198 top sentinel (CIS), p=9.7e−20

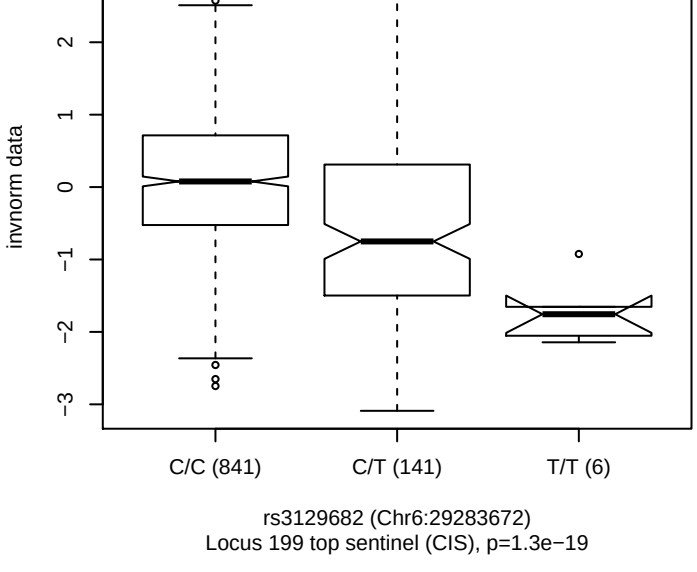

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
200
400
600
800
1000
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
raw data
MHC class I polypeptide−related sequence B

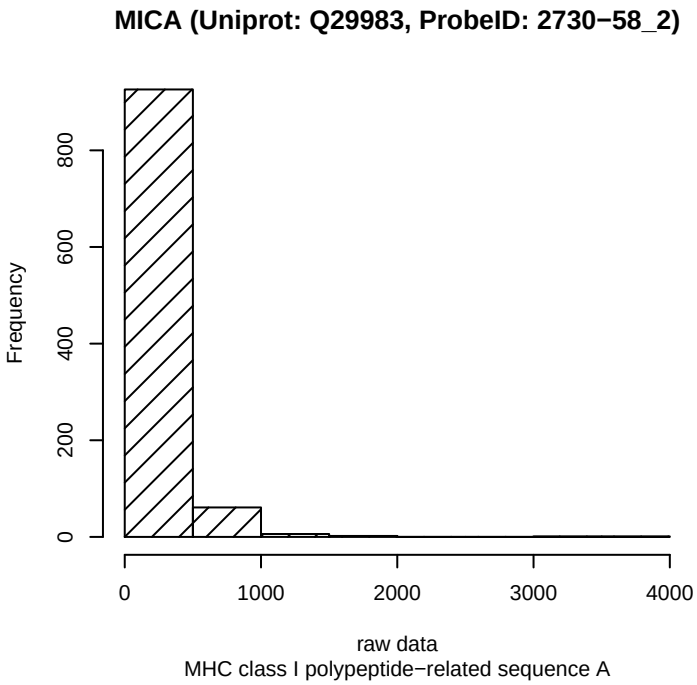

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
raw data
0
20000
40000
60000
80000
C/C (841)
C/T (141)
T/T (6)
rs3129682 (Chr6:29283672)
Locus 199 top sentinel (CIS), p=0.83

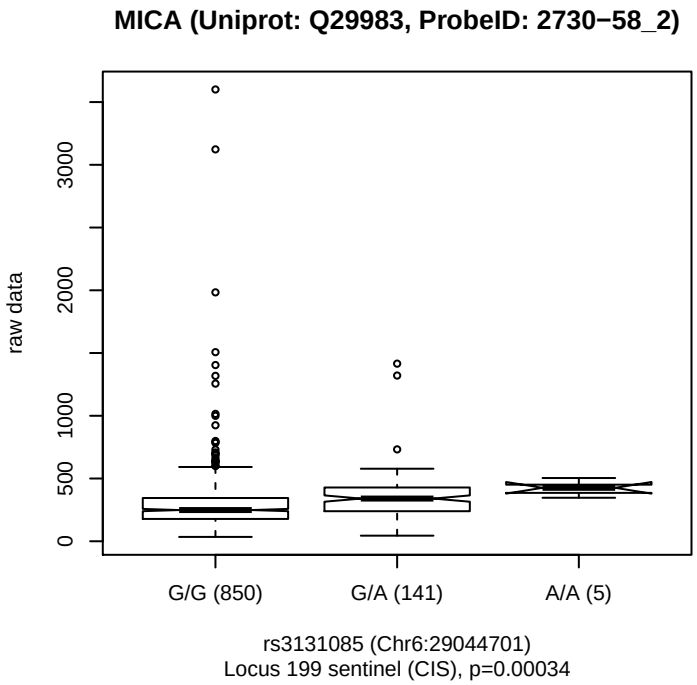

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
100
200
300
400
500
8
10
12
14
16
log2−scaled data
MHC class I polypeptide−related sequence B

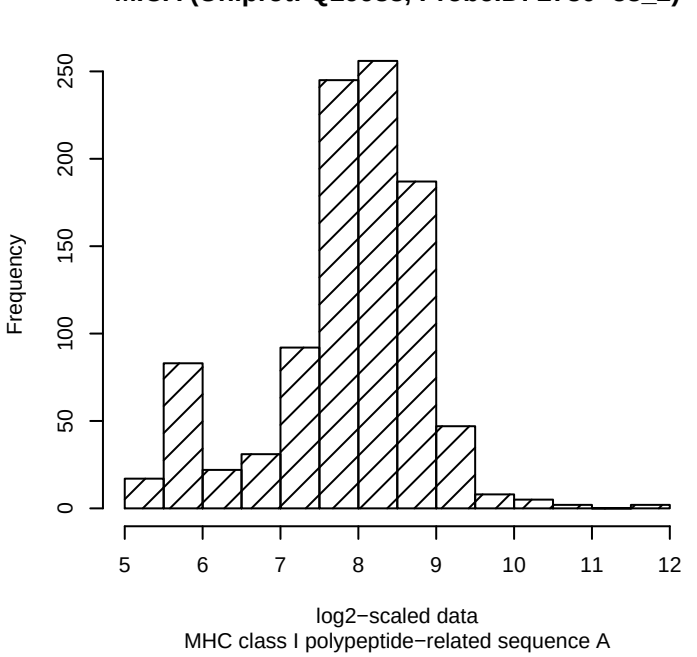

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
log2−scaled data
8
10
12
14
16
C/C (841)
C/T (141)
T/T (6)
rs3129682 (Chr6:29283672)
Locus 199 top sentinel (CIS), p=4e−06, FC=−1.2058

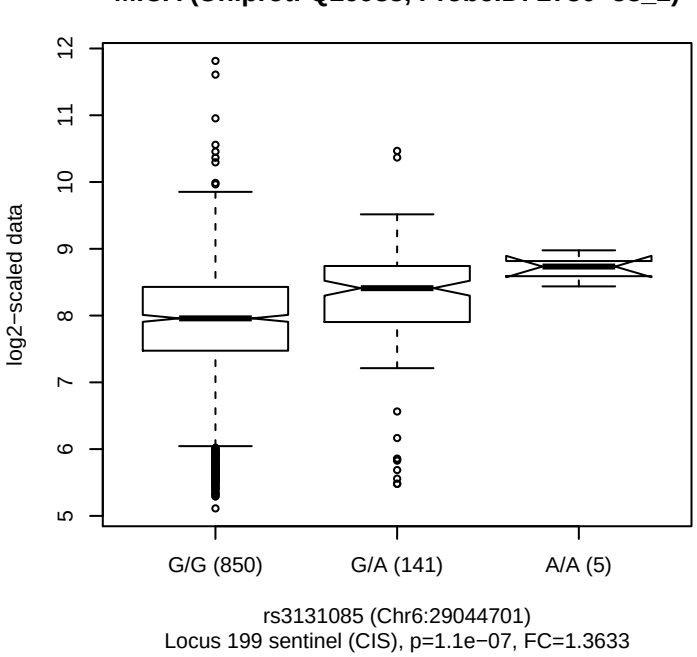

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence B

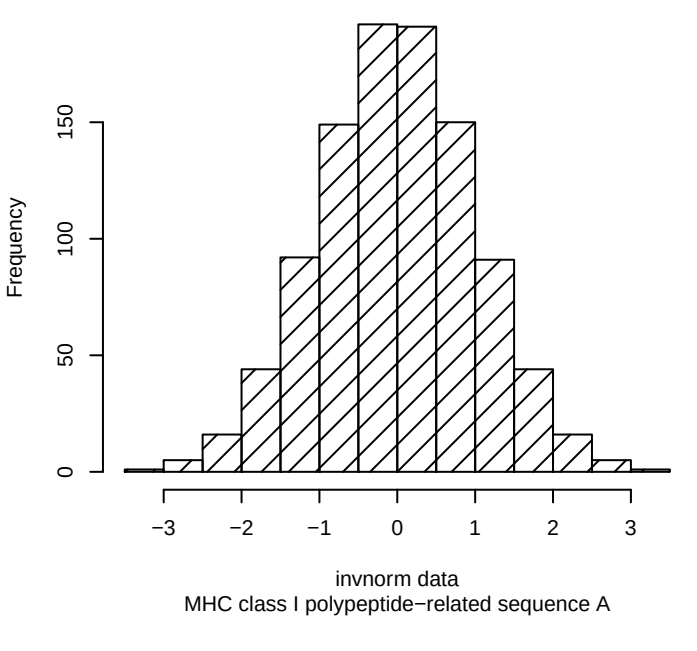

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
invnorm data
−3
−2
−1
0
1
2
3
C/C (841)
C/T (141)
T/T (6)
rs3129682 (Chr6:29283672)
Locus 199 top sentinel (CIS), p=1.3e−19

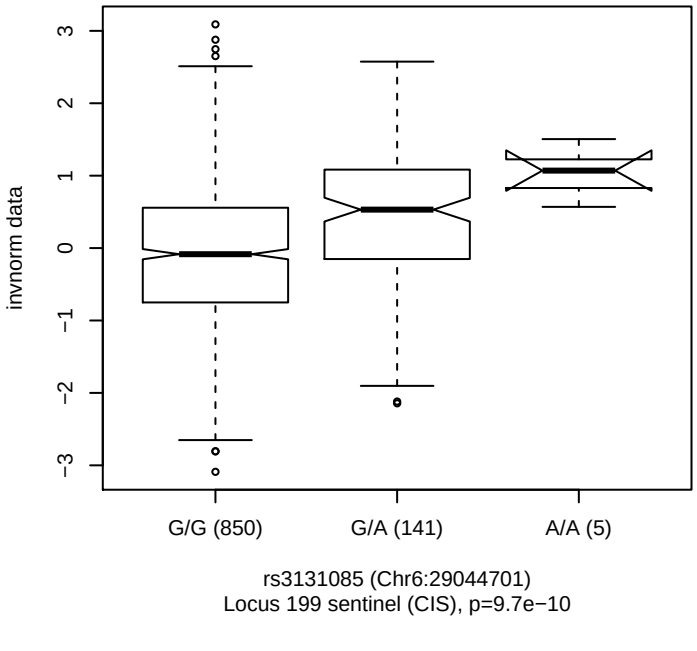

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
200
400
600
800
0
1000
2000
3000
4000
raw data
MHC class I polypeptide−related sequence A

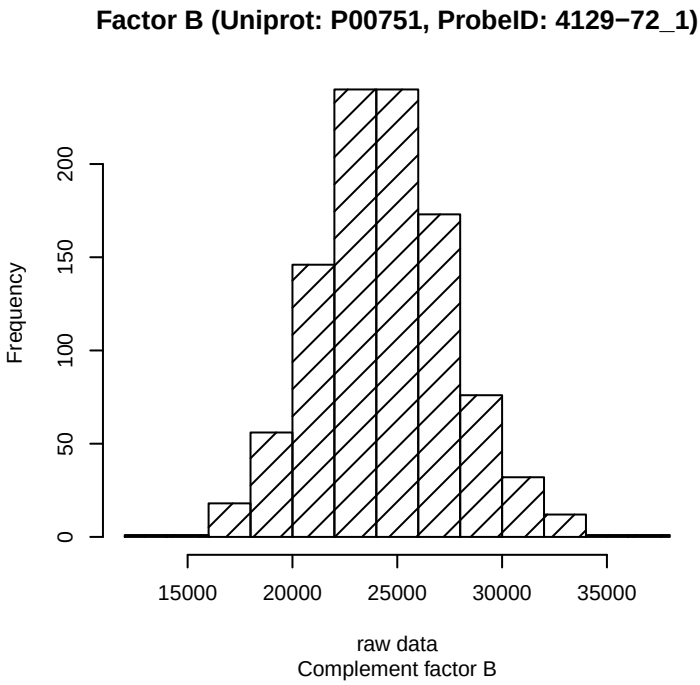

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
raw data
0
500
1000
2000
3000
G/G (850)
G/A (141)
A/A (5)
rs3131085 (Chr6:29044701)
Locus 199 sentinel (CIS), p=0.00034

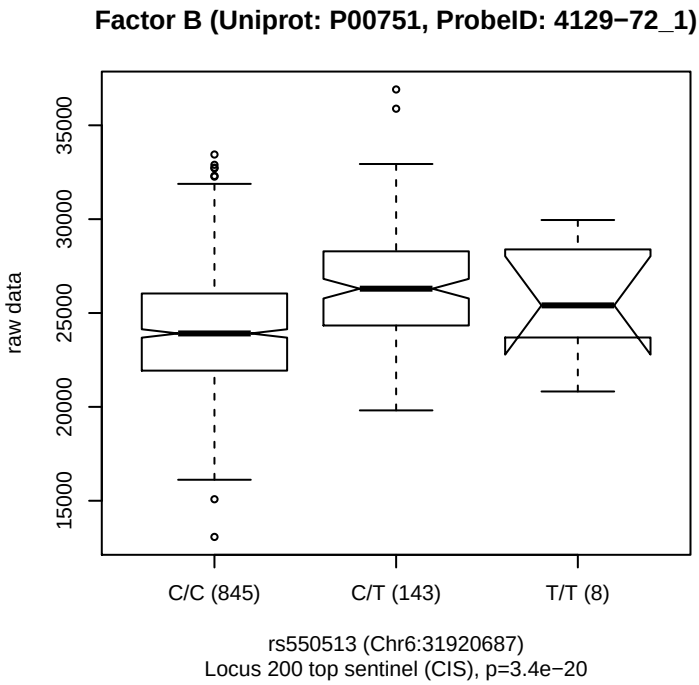

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
200
250
5
6
7
8
9
10
11
12
log2−scaled data
MHC class I polypeptide−related sequence A

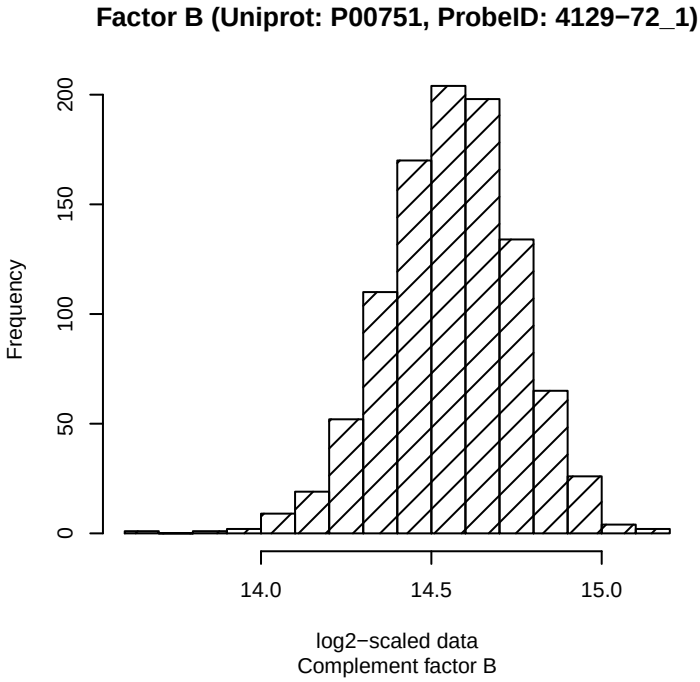

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
log2−scaled data
5
6
7
8
9
10
11
12
G/G (850)
G/A (141)
A/A (5)
rs3131085 (Chr6:29044701)
Locus 199 sentinel (CIS), p=1.1e−07, FC=1.3633

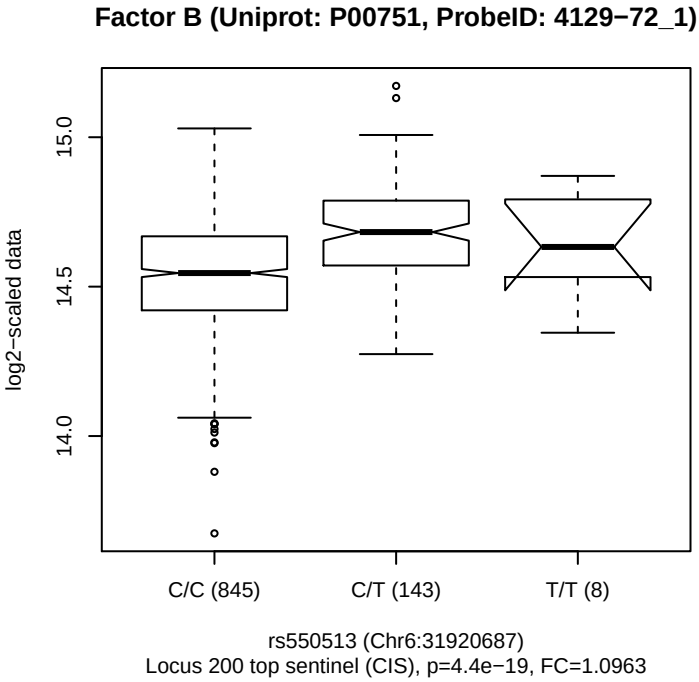

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence A

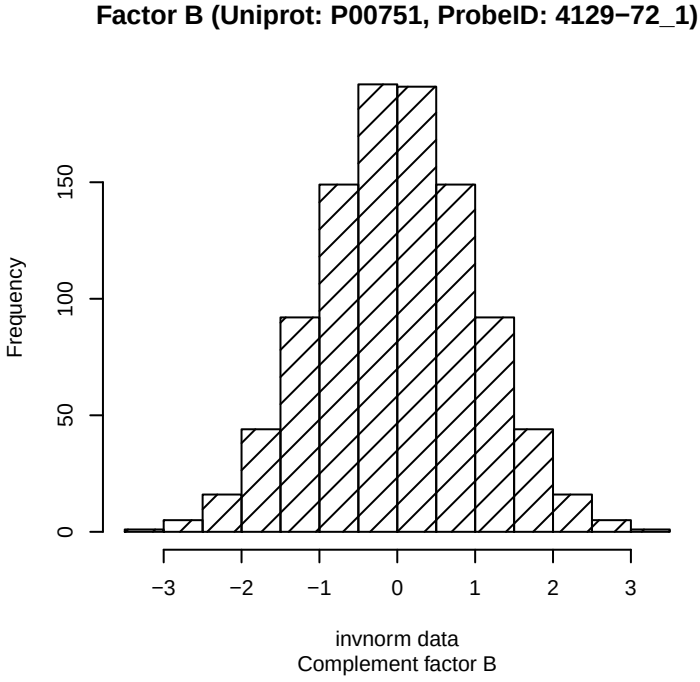

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (850)
G/A (141)
A/A (5)
rs3131085 (Chr6:29044701)
Locus 199 sentinel (CIS), p=9.7e−10

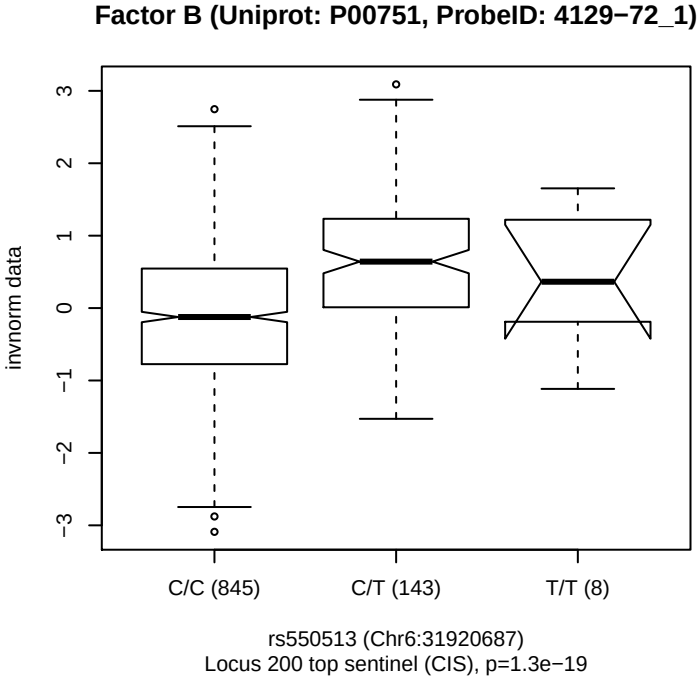

Factor B (Uniprot: P00751, ProbeID: 4129−72_1)
Frequency
0
50
100
150
200
15000
20000
25000
30000
35000
raw data
Complement factor B

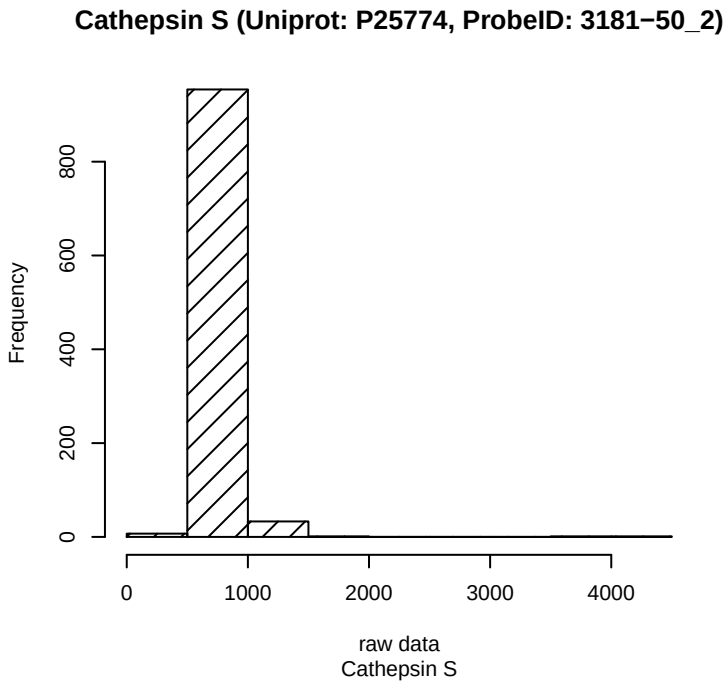

Factor B (Uniprot: P00751, ProbeID: 4129−72_1)
raw data
15000
20000
25000
30000
35000
C/C (845)
C/T (143)
T/T (8)
rs550513 (Chr6:31920687)
Locus 200 top sentinel (CIS), p=3.4e−20

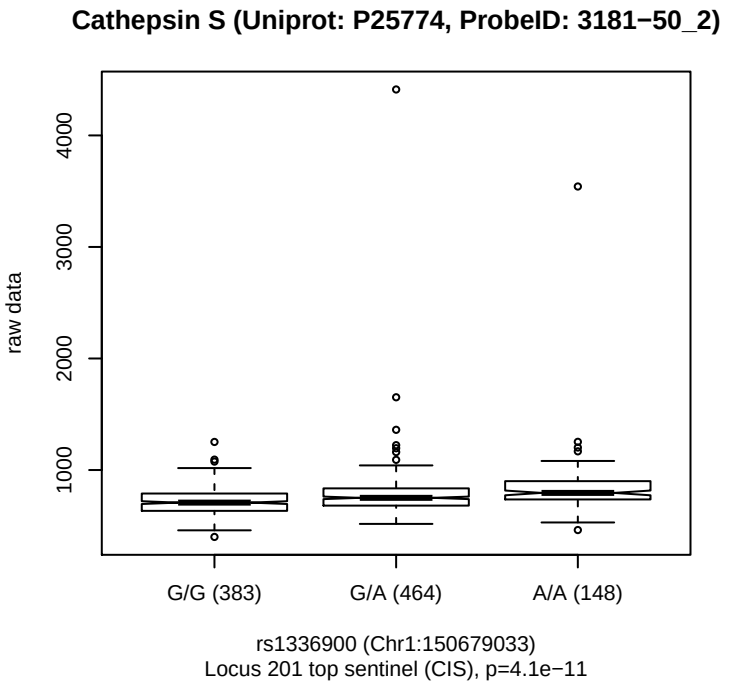

Factor B (Uniprot: P00751, ProbeID: 4129−72_1)
Frequency
0
50
100
150
200
14.0
14.5
15.0
log2−scaled data
Complement factor B

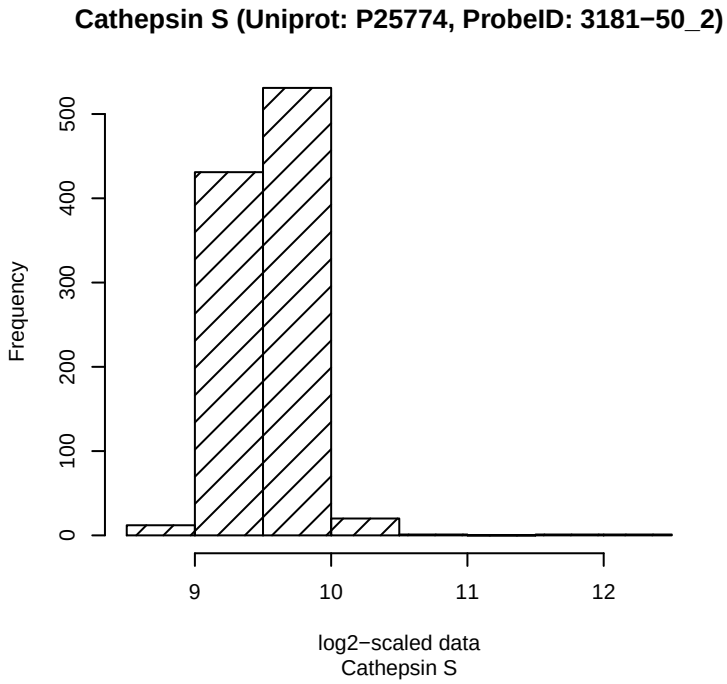

Factor B (Uniprot: P00751, ProbeID: 4129−72_1)
log2−scaled data
14.0
14.5
15.0
C/C (845)
C/T (143)
T/T (8)
rs550513 (Chr6:31920687)
Locus 200 top sentinel (CIS), p=4.4e−19, FC=1.0963

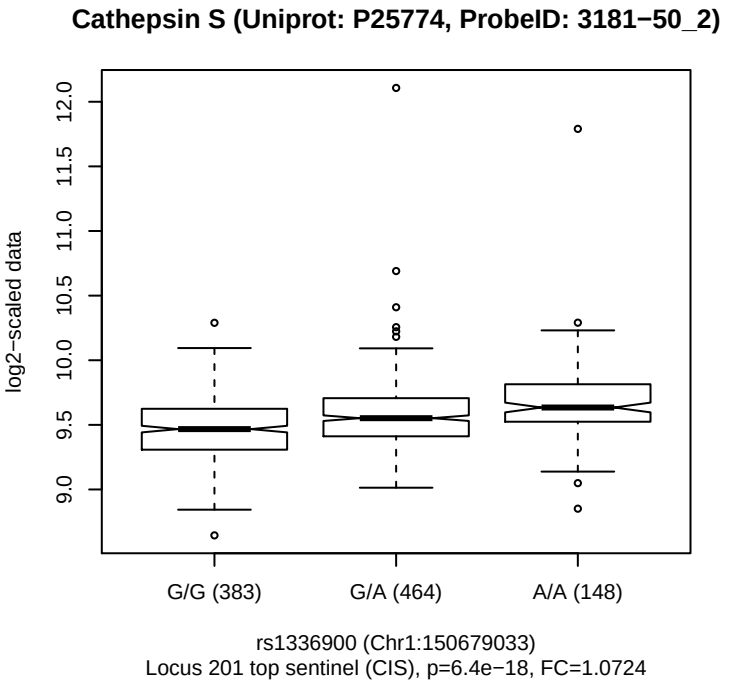

Factor B (Uniprot: P00751, ProbeID: 4129−72_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Complement factor B

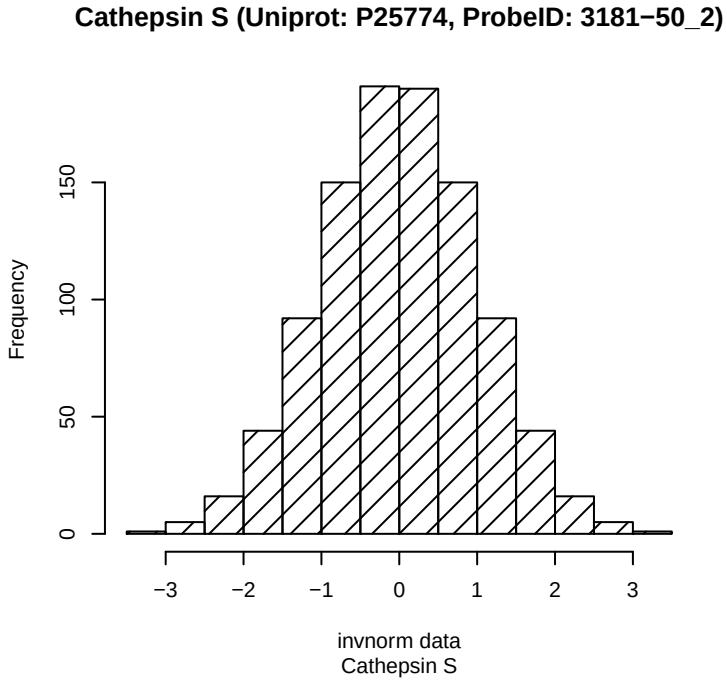

Factor B (Uniprot: P00751, ProbeID: 4129−72_1)
invnorm data
−3
−2
−1
0
1
2
3
C/C (845)
C/T (143)
T/T (8)
rs550513 (Chr6:31920687)
Locus 200 top sentinel (CIS), p=1.3e−19

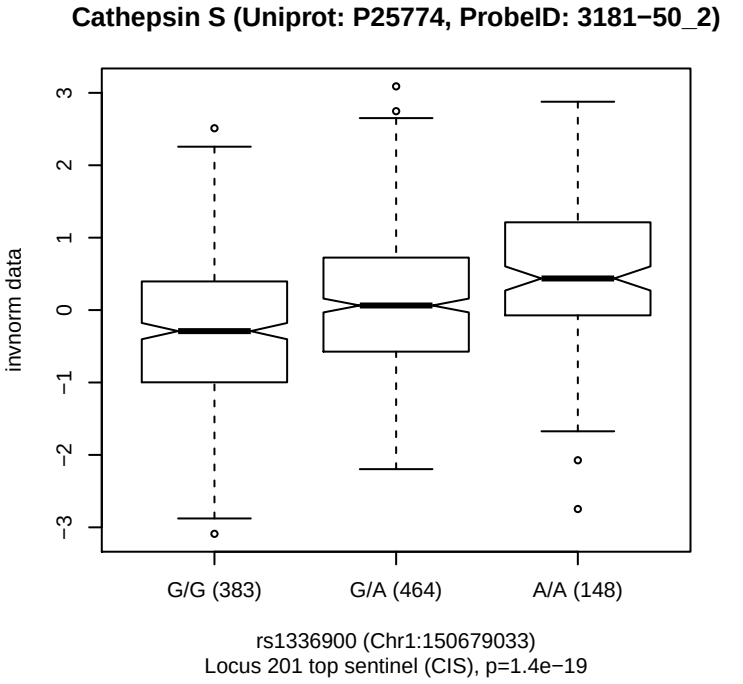

Cathepsin S (Uniprot: P25774, ProbeID: 3181−50_2)
Frequency
0
200
400
600
800
0
1000
2000
3000
4000
raw data
Cathepsin S

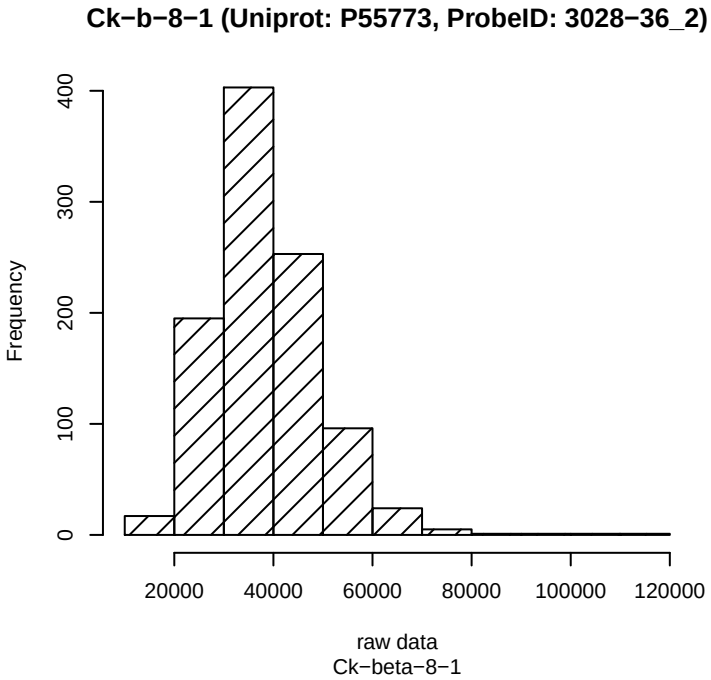

Cathepsin S (Uniprot: P25774, ProbeID: 3181−50_2)
raw data
1000
2000
3000
4000
G/G (383)
G/A (464)
A/A (148)
rs1336900 (Chr1:150679033)
Locus 201 top sentinel (CIS), p=4.1e−11

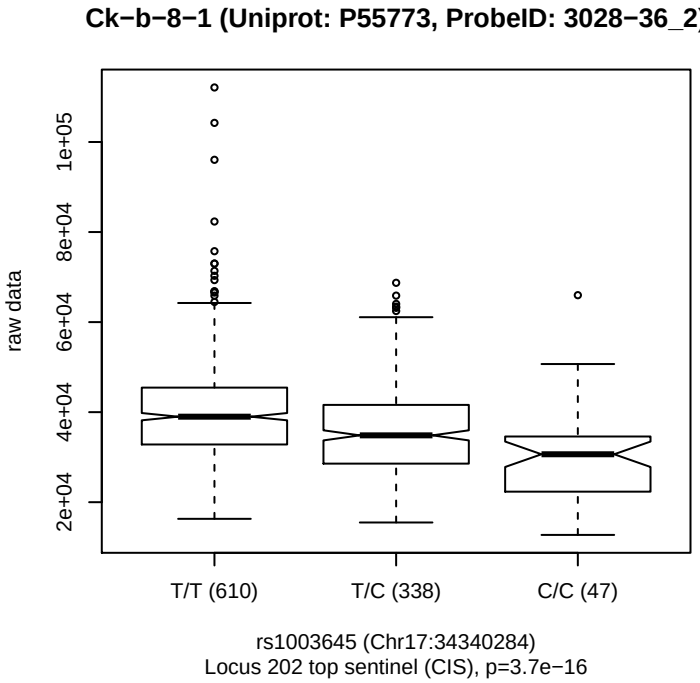

Cathepsin S (Uniprot: P25774, ProbeID: 3181−50_2)
Frequency
0
100
200
300
400
500
9
10
11
12
log2−scaled data
Cathepsin S

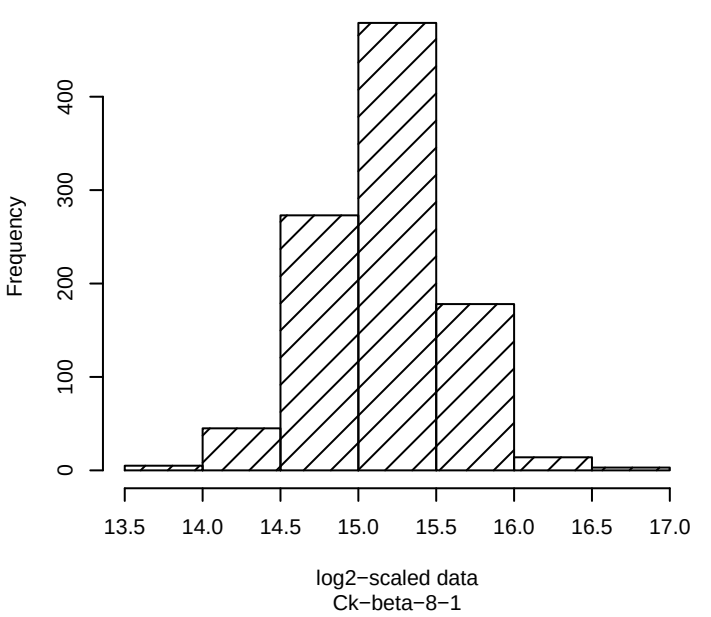

Cathepsin S (Uniprot: P25774, ProbeID: 3181−50_2)
log2−scaled data
9.0
9.5
10.0
10.5
11.0
11.5
12.0
G/G (383)
G/A (464)
A/A (148)
rs1336900 (Chr1:150679033)
Locus 201 top sentinel (CIS), p=6.4e−18, FC=1.0724

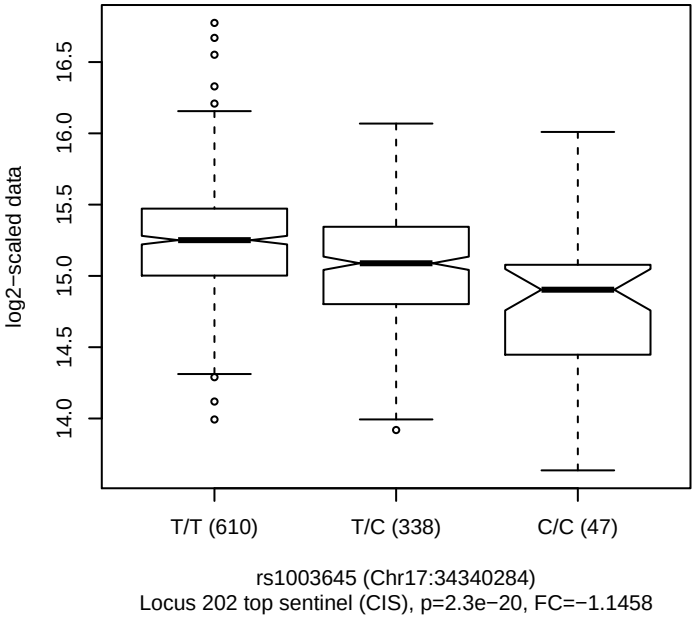

Cathepsin S (Uniprot: P25774, ProbeID: 3181−50_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Cathepsin S

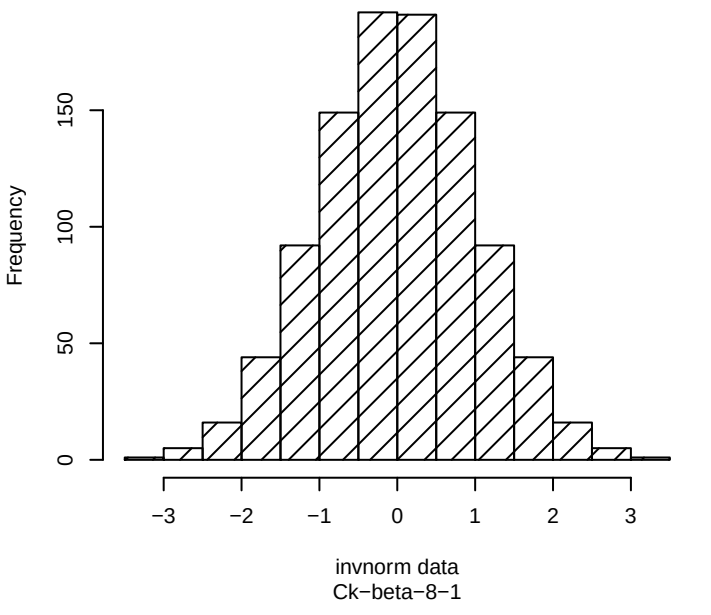

Cathepsin S (Uniprot: P25774, ProbeID: 3181−50_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (383)
G/A (464)
A/A (148)
rs1336900 (Chr1:150679033)
Locus 201 top sentinel (CIS), p=1.4e−19

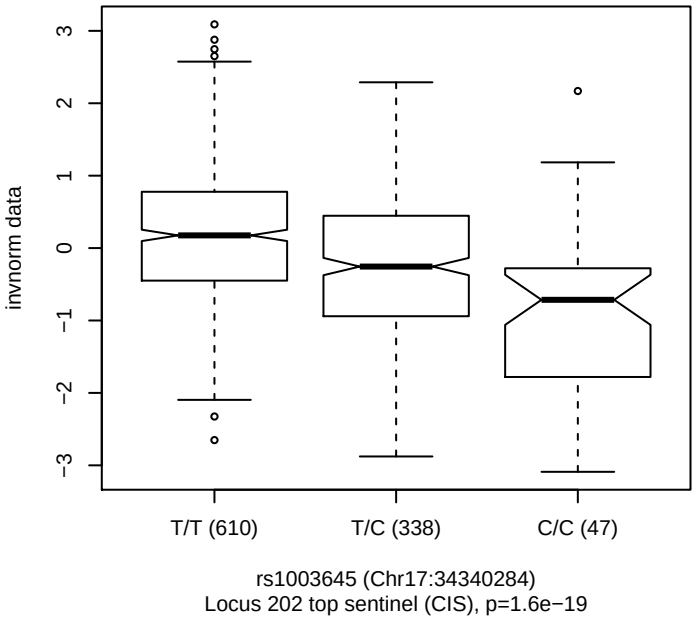

Ck−b−8−1 (Uniprot: P55773, ProbeID: 3028−36_2)
Frequency
0
100
200
300
400
20000
40000
60000
80000
100000
120000
raw data
Ck−beta−8−1


Ck−b−8−1 (Uniprot: P55773, ProbeID: 3028−36_2)
raw data
2e+04
4e+04
6e+04
8e+04
1e+05
T/T (610)
T/C (338)
C/C (47)
rs1003645 (Chr17:34340284)
Locus 202 top sentinel (CIS), p=3.7e−16

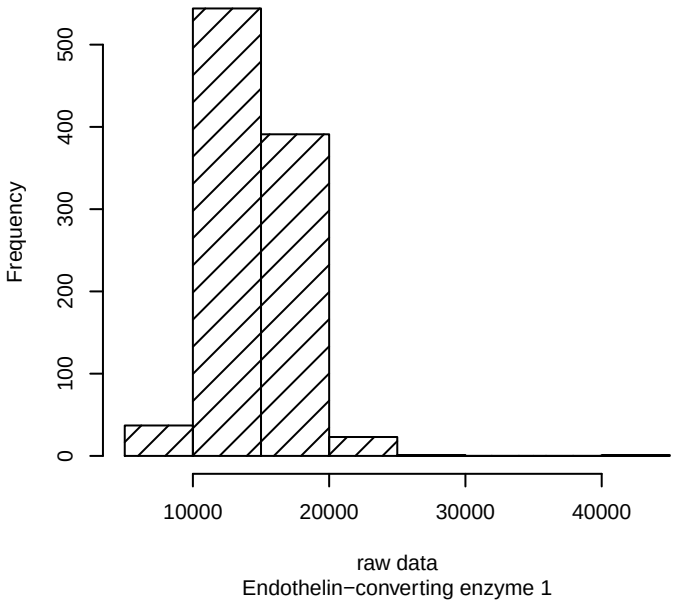

Ck−b−8−1 (Uniprot: P55773, ProbeID: 3028−36_2)
Frequency
0
100
200
300
400
13.5
14.0
14.5
15.0
15.5
16.0
16.5
17.0
log2−scaled data
Ck−beta−8−1


Ck−b−8−1 (Uniprot: P55773, ProbeID: 3028−36_2)
log2−scaled data
14.0
14.5
15.0
15.5
16.0
16.5
T/T (610)
T/C (338)
C/C (47)
rs1003645 (Chr17:34340284)
Locus 202 top sentinel (CIS), p=2.3e−20, FC=−1.1458

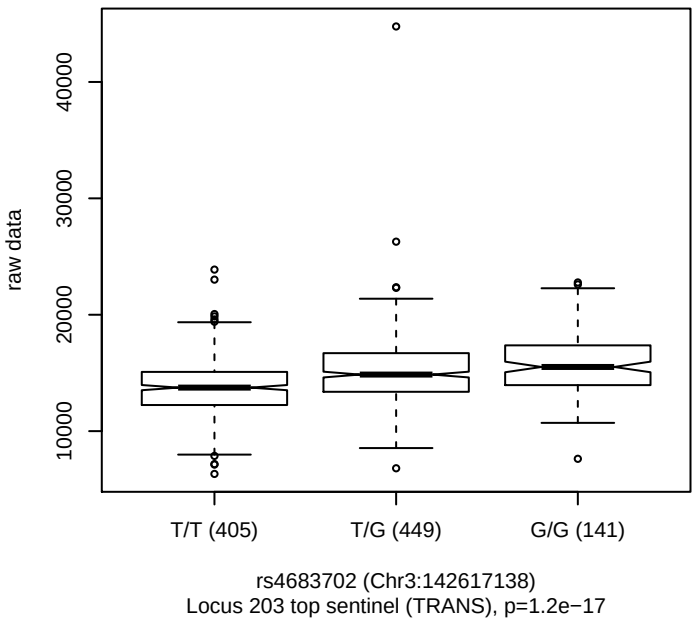

Ck−b−8−1 (Uniprot: P55773, ProbeID: 3028−36_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Ck−beta−8−1


Ck−b−8−1 (Uniprot: P55773, ProbeID: 3028−36_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (610)
T/C (338)
C/C (47)
rs1003645 (Chr17:34340284)
Locus 202 top sentinel (CIS), p=1.6e−19

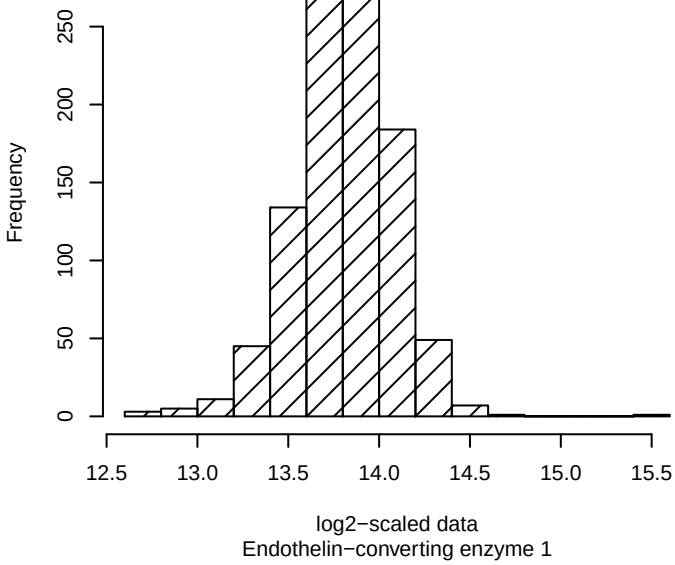
**othelin−converting enzyme 1 (Uniprot: P42892, ProbeID: 36**



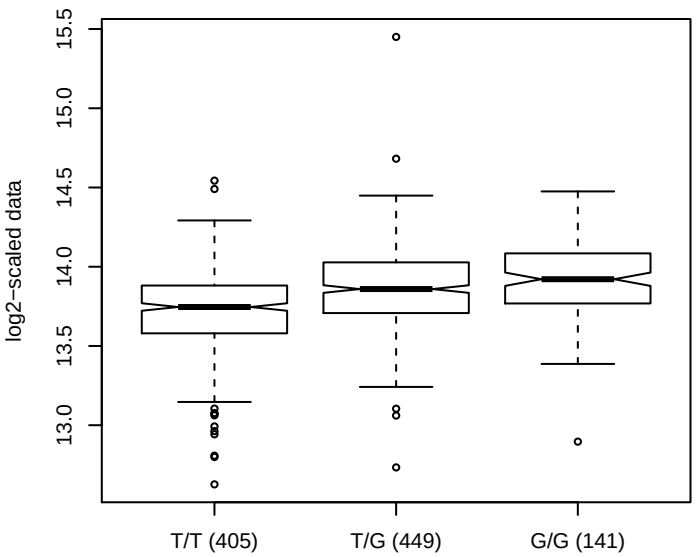

**othelin−converting enzyme 1 (Uniprot: P42892, ProbeID: 36**



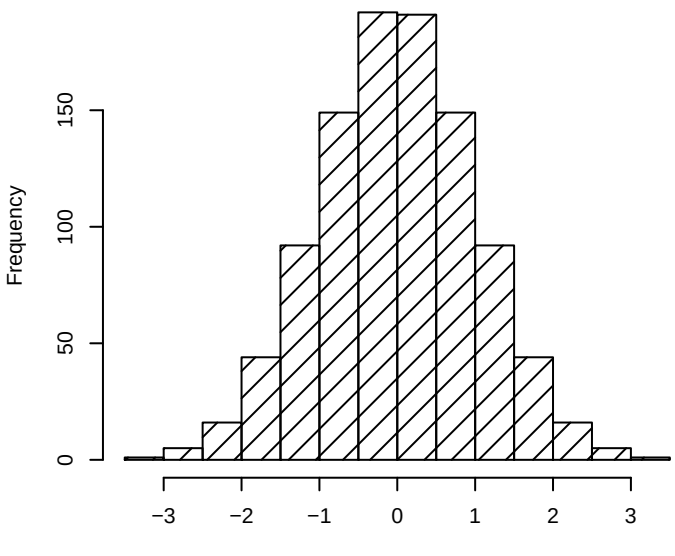

**othelin−converting enzyme 1 (Uniprot: P42892, ProbeID: 36**



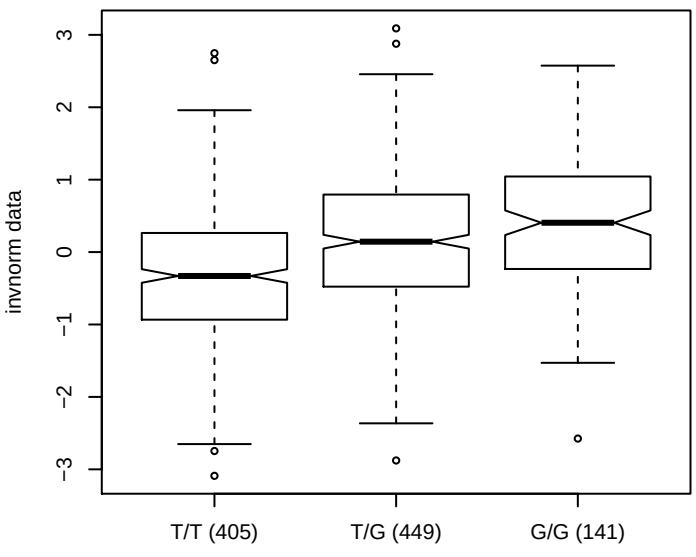

**othelin−converting enzyme 1 (Uniprot: P42892, ProbeID: 36**

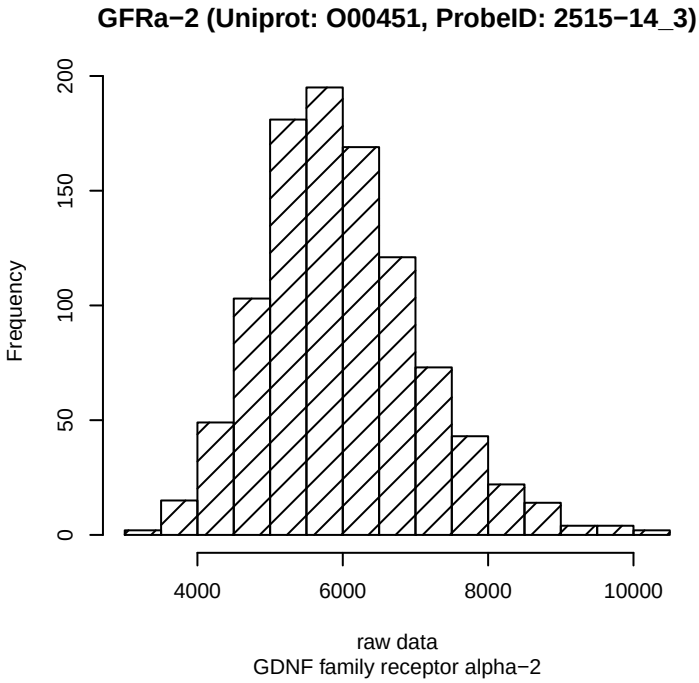


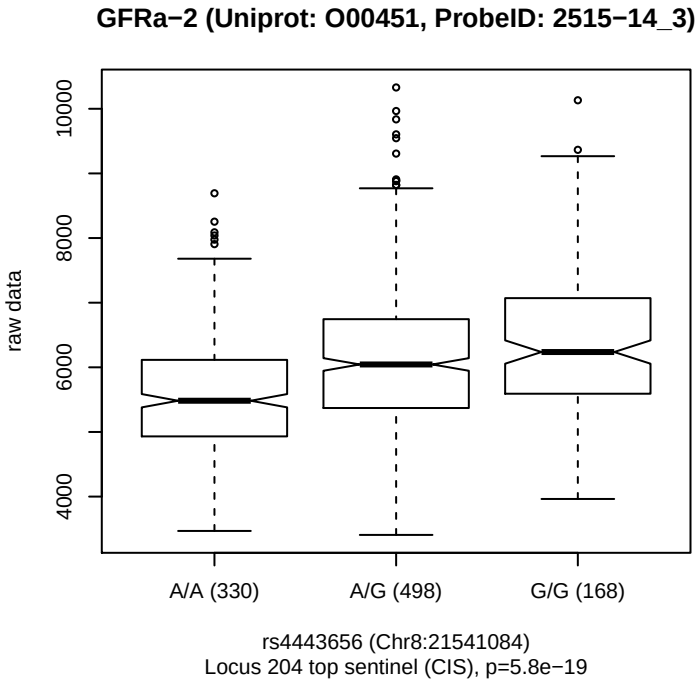

**othelin−converting enzyme 1 (Uniprot: P42892, ProbeID: 36**

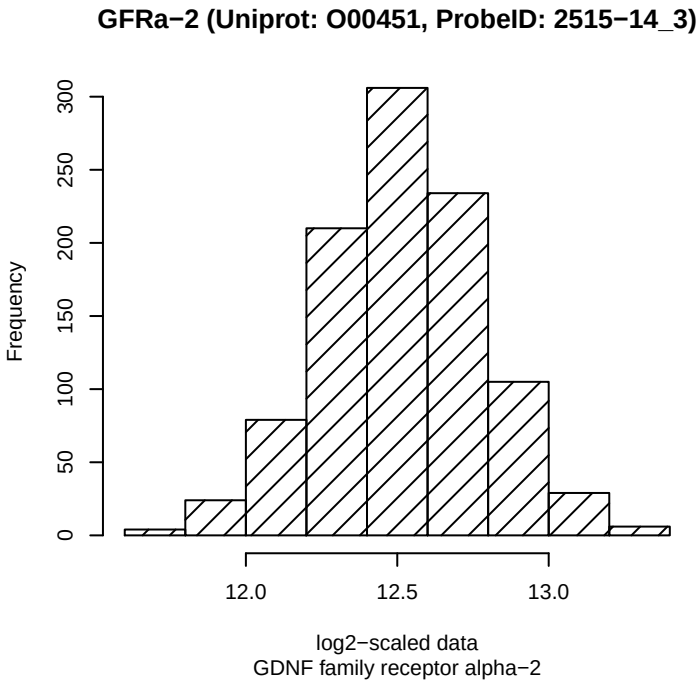


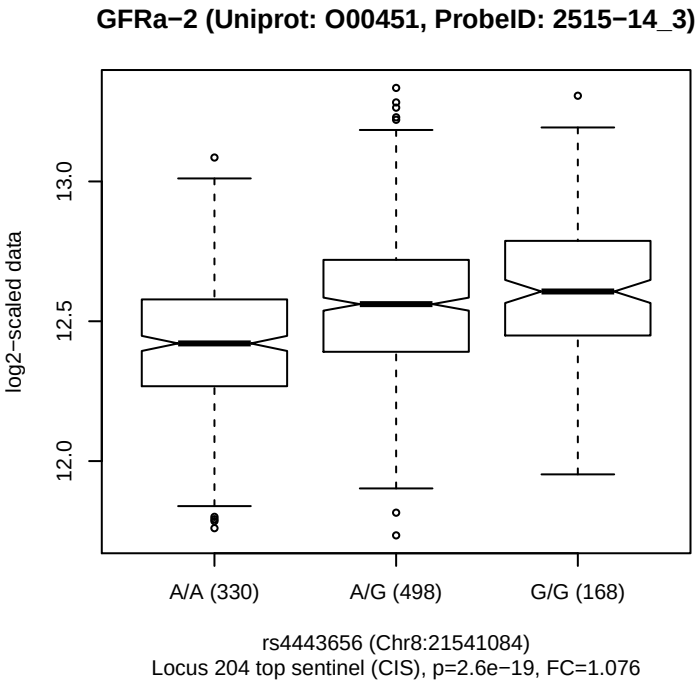

**othelin−converting enzyme 1 (Uniprot: P42892, ProbeID: 36**

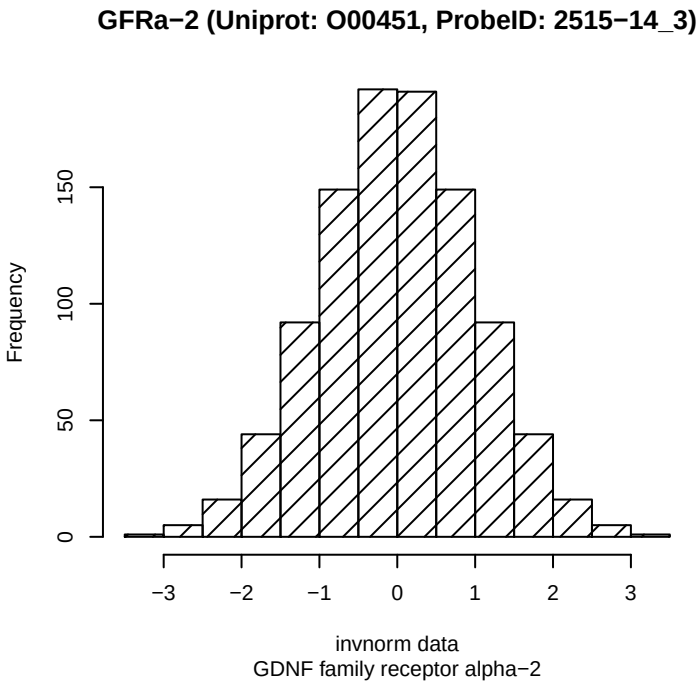


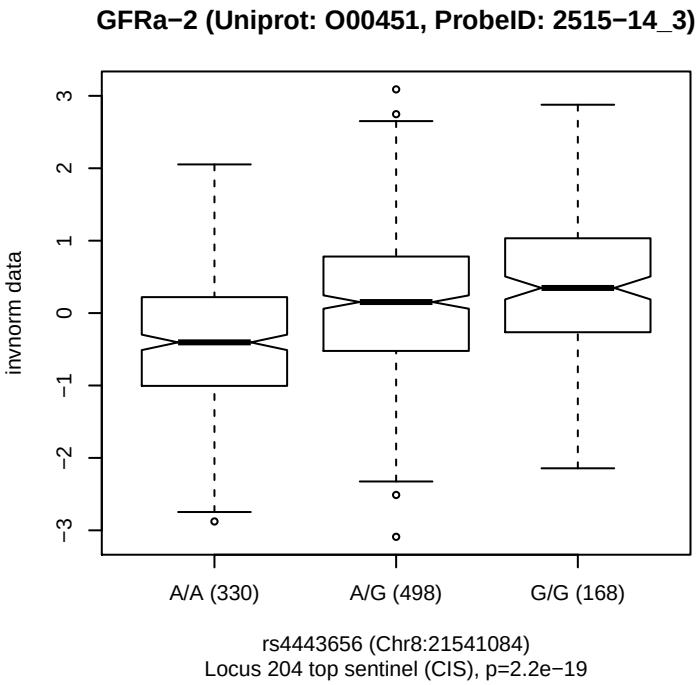

GFRa−2 (Uniprot: O00451, ProbeID: 2515−14_3)
Frequency
0
50
100
150
200
4000
6000
8000
10000
raw data
GDNF family receptor alpha−2

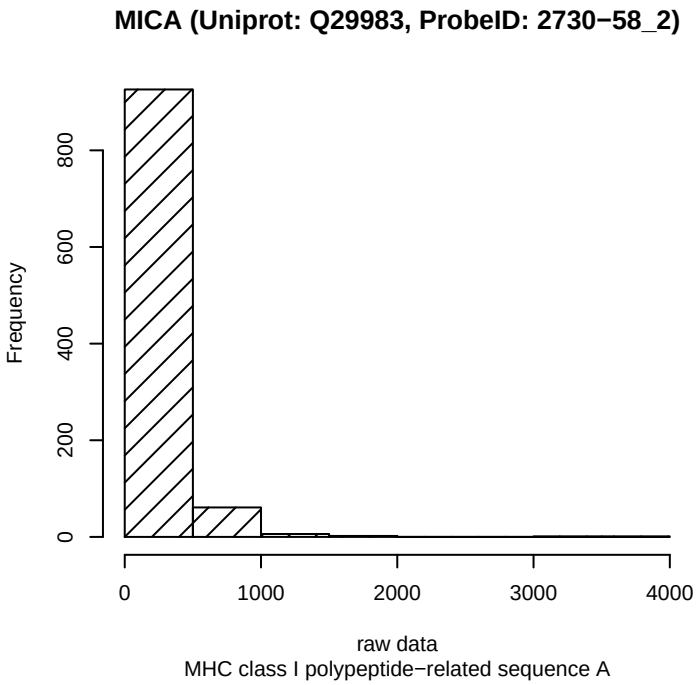

GFRa−2 (Uniprot: O00451, ProbeID: 2515−14_3)
raw data
4000
6000
8000
10000
A/A (330)
A/G (498)
G/G (168)
rs4443656 (Chr8:21541084)
Locus 204 top sentinel (CIS), p=5.8e−19

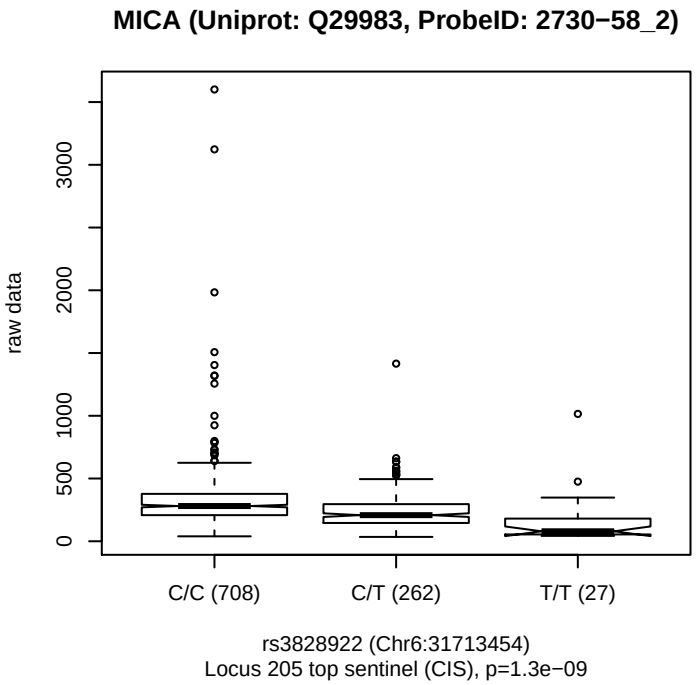

GFRa−2 (Uniprot: O00451, ProbeID: 2515−14_3)
Frequency
0
50
100
150
200
250
300
12.0
12.5
13.0
log2−scaled data
GDNF family receptor alpha−2

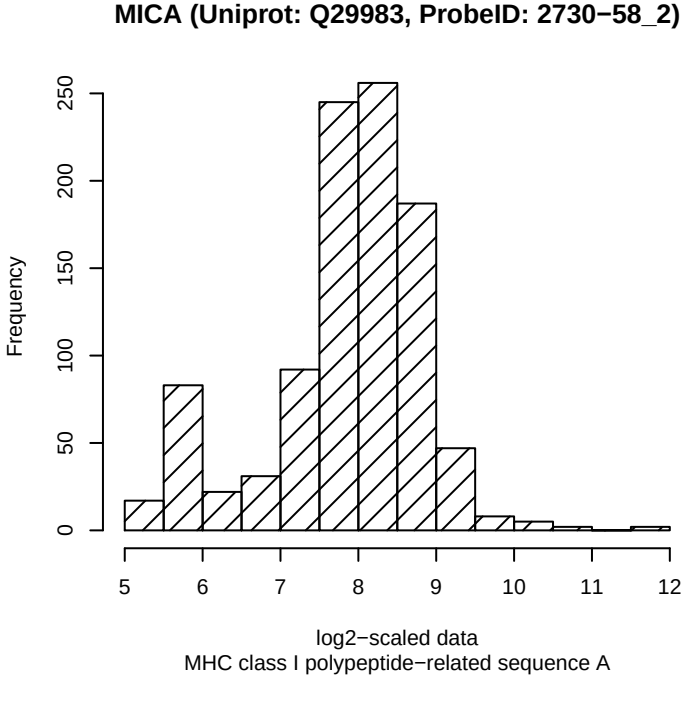

GFRa−2 (Uniprot: O00451, ProbeID: 2515−14_3)
log2−scaled data
12.0
12.5
13.0
A/A (330)
A/G (498)
G/G (168)
rs4443656 (Chr8:21541084)
Locus 204 top sentinel (CIS), p=2.6e−19, FC=1.076

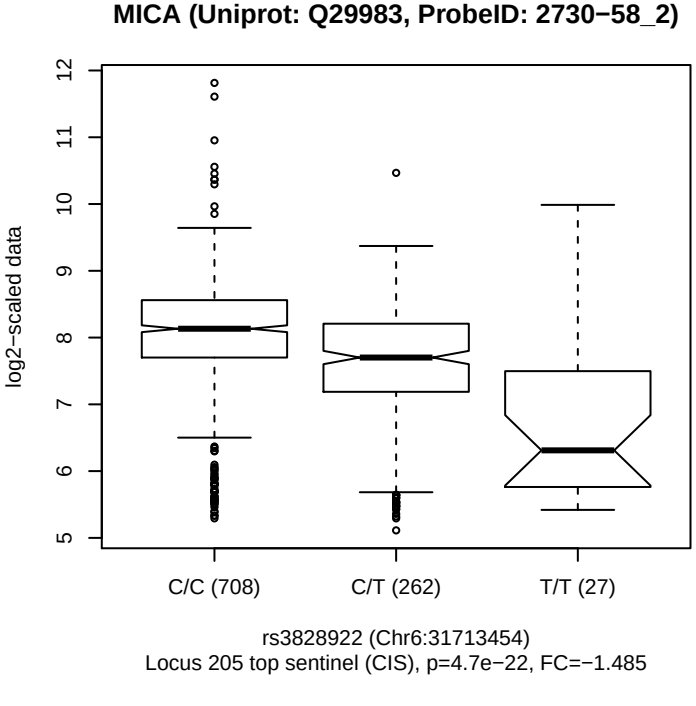

GFRa−2 (Uniprot: O00451, ProbeID: 2515−14_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
GDNF family receptor alpha−2

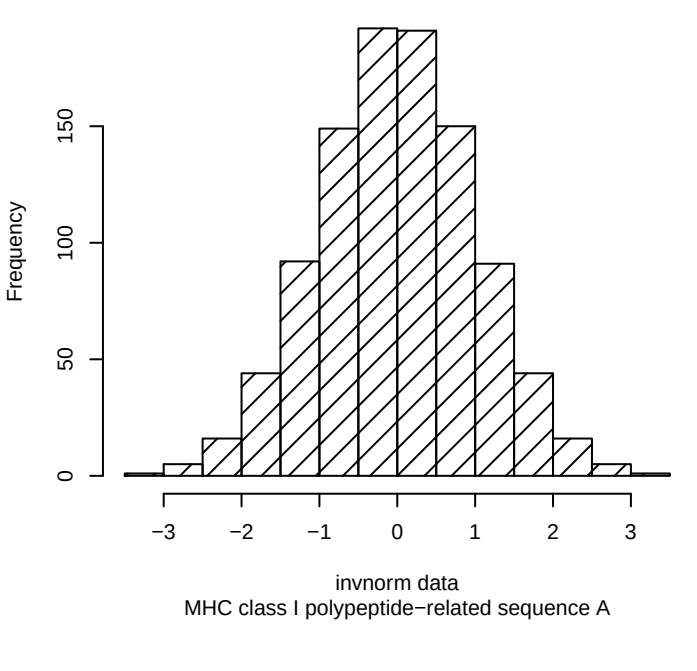

GFRa−2 (Uniprot: O00451, ProbeID: 2515−14_3)
invnorm data
−3
−2
−1
0
1
2
3
A/A (330)
A/G (498)
G/G (168)
rs4443656 (Chr8:21541084)
Locus 204 top sentinel (CIS), p=2.2e−19

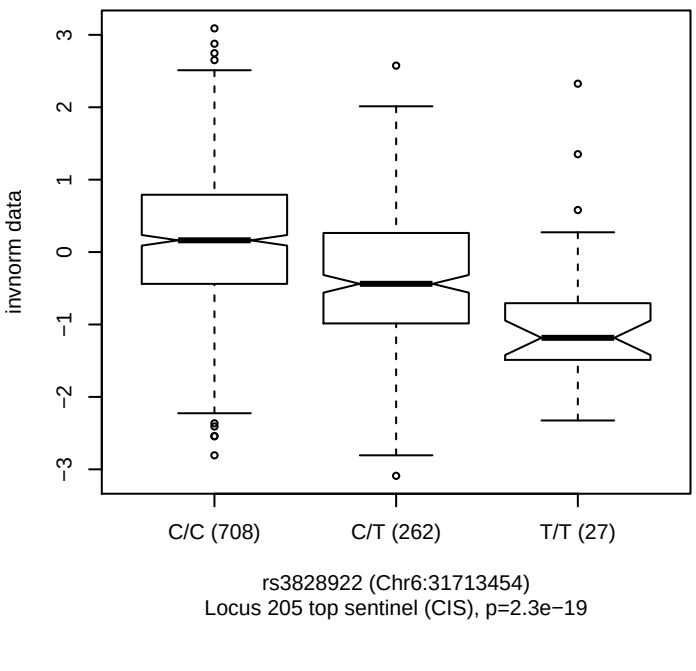

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
200
400
600
800
0
1000
2000
3000
4000
raw data
MHC class I polypeptide−related sequence A


MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
raw data
0
500
1000
2000
3000
C/C (708)
C/T (262)
T/T (27)
rs3828922 (Chr6:31713454)
Locus 205 top sentinel (CIS), p=1.3e−09

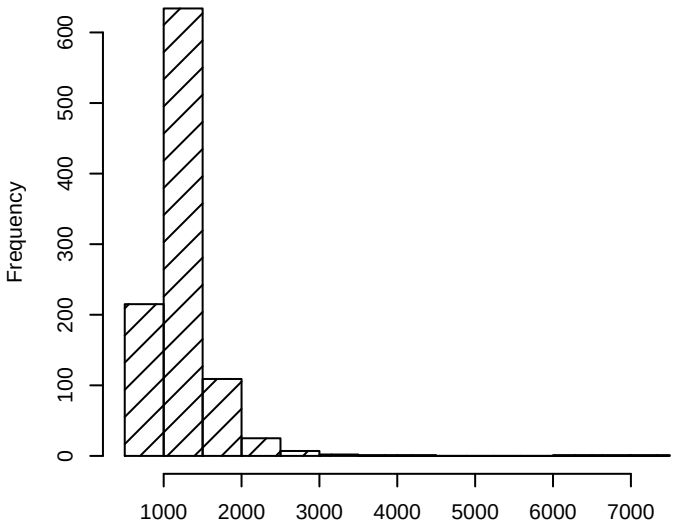

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
200
250
5
6
7
8
9
10
11
12
log2−scaled data
MHC class I polypeptide−related sequence A


MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
log2−scaled data
5
6
7
8
9
10
11
12
C/C (708)
C/T (262)
T/T (27)
rs3828922 (Chr6:31713454)
Locus 205 top sentinel (CIS), p=4.7e−22, FC=−1.485

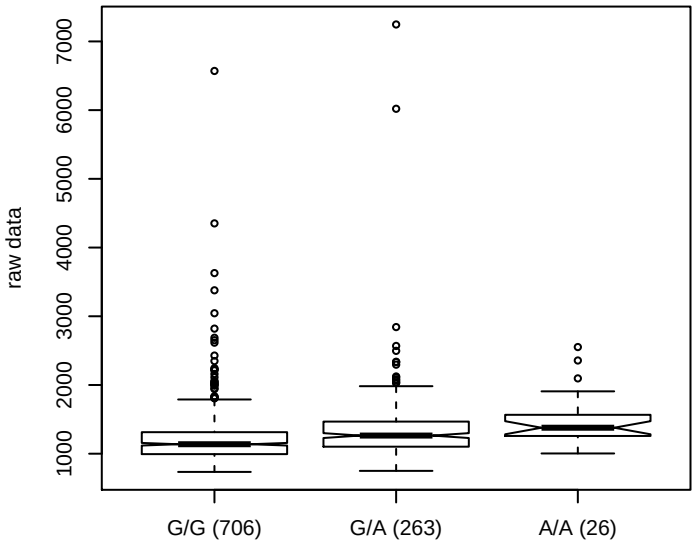

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence A


MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (708)
C/T (262)
T/T (27)
rs3828922 (Chr6:31713454)
Locus 205 top sentinel (CIS), p=2.3e−19

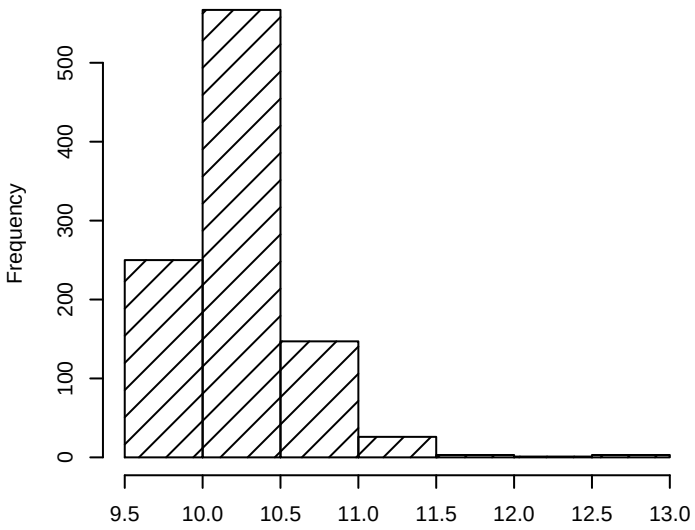
**C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5**



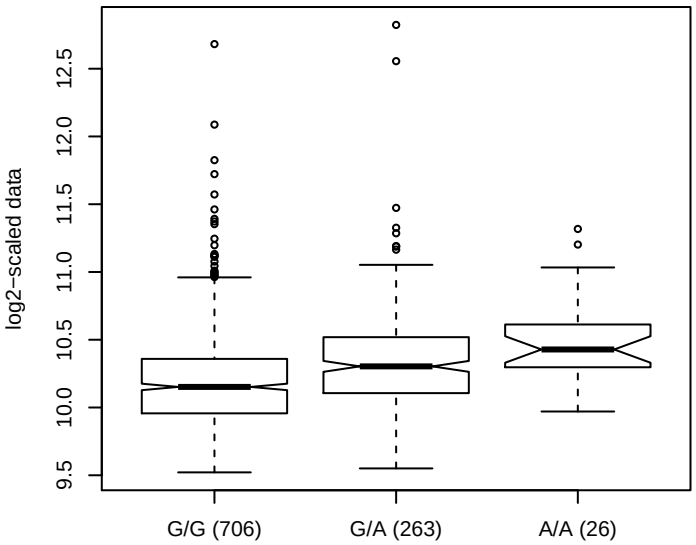

**C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5**



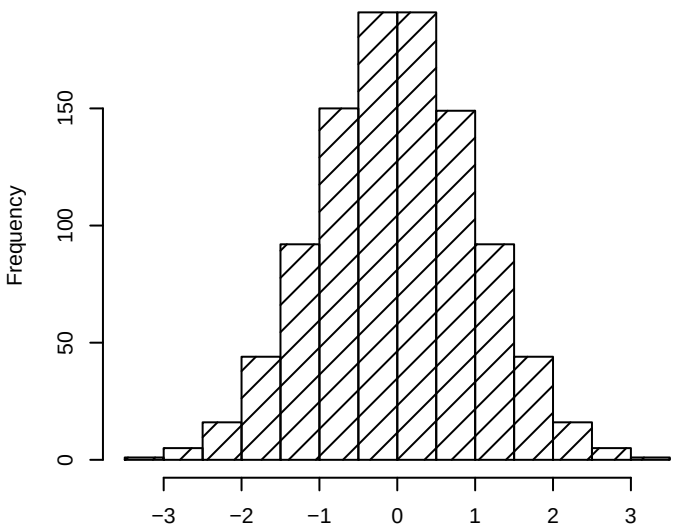

**C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5**



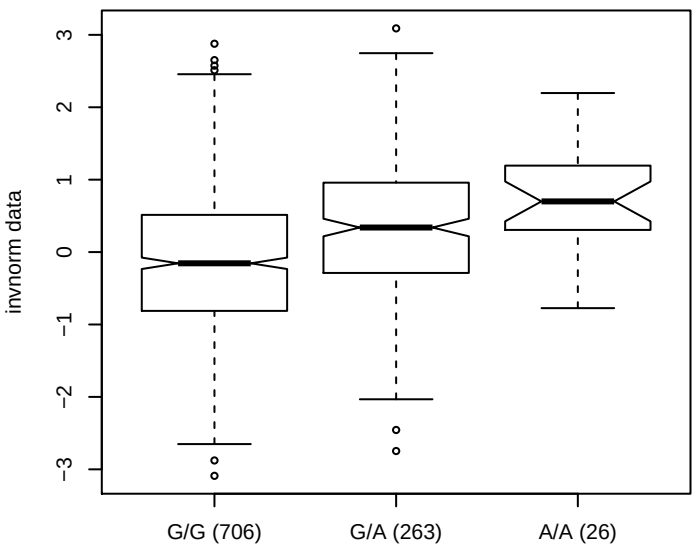

**C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5**

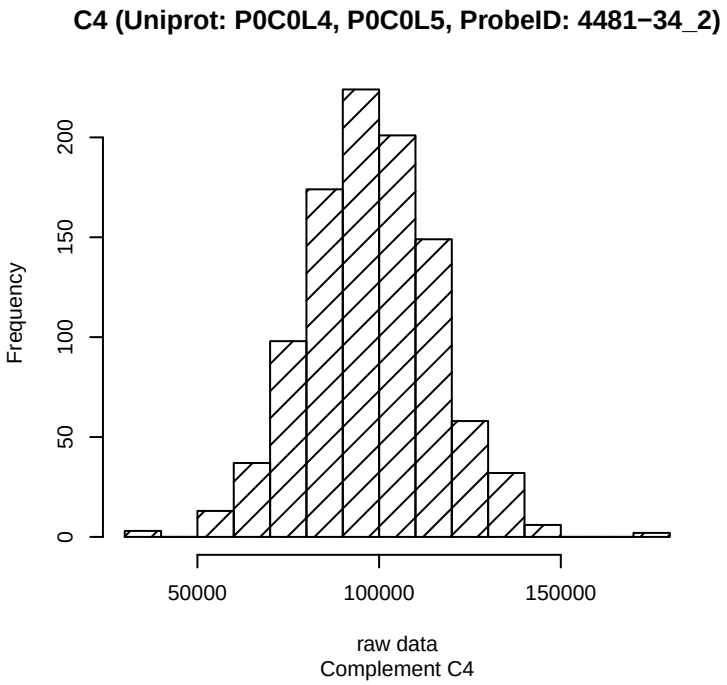


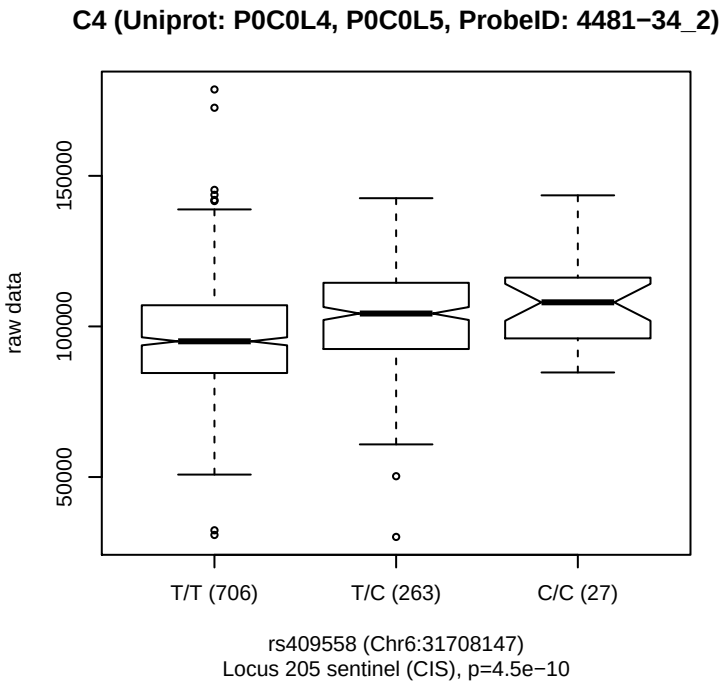

**C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5**

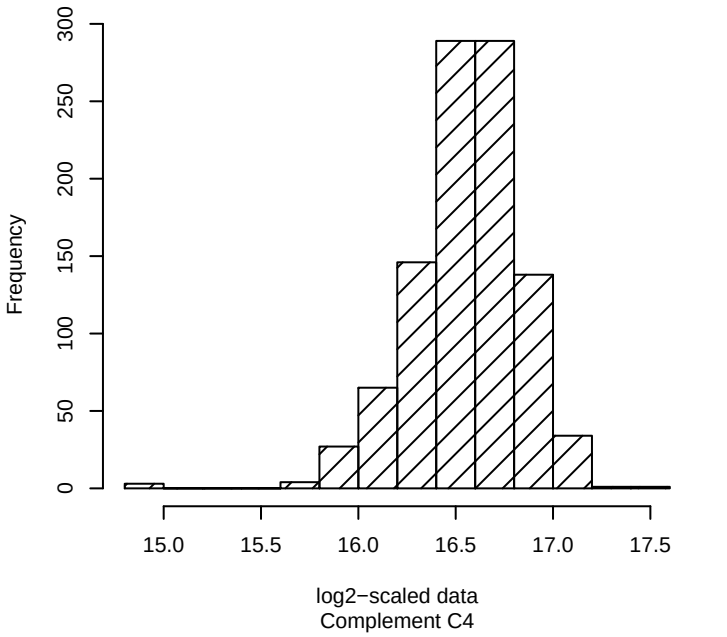


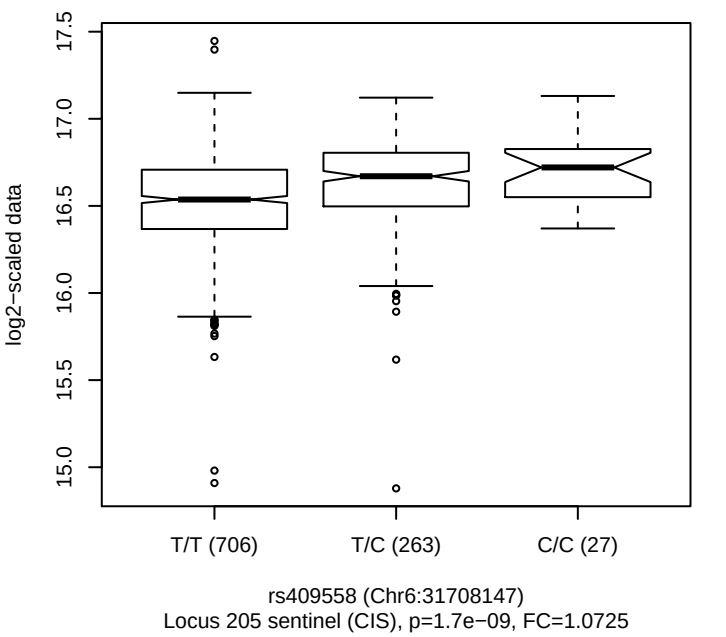

**C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5**

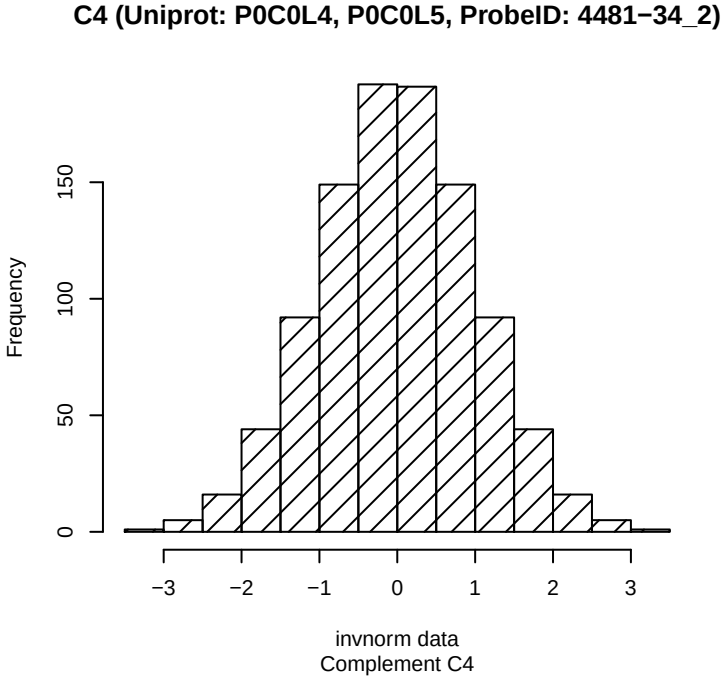


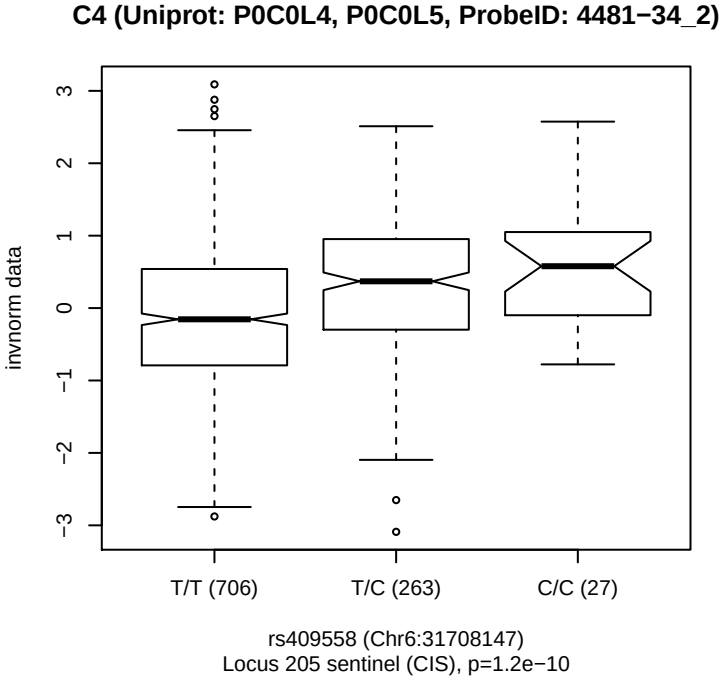

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
Frequency
0
50
100
150
200
50000
100000
150000
raw data
Complement C4

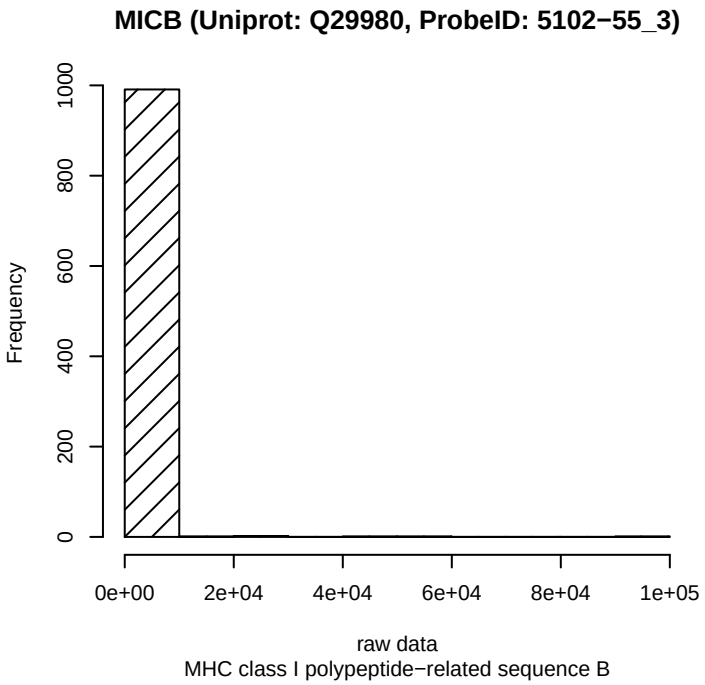

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
raw data
50000
100000
150000
T/T (706)
T/C (263)
C/C (27)
rs409558 (Chr6:31708147)
Locus 205 sentinel (CIS), p=4.5e−10

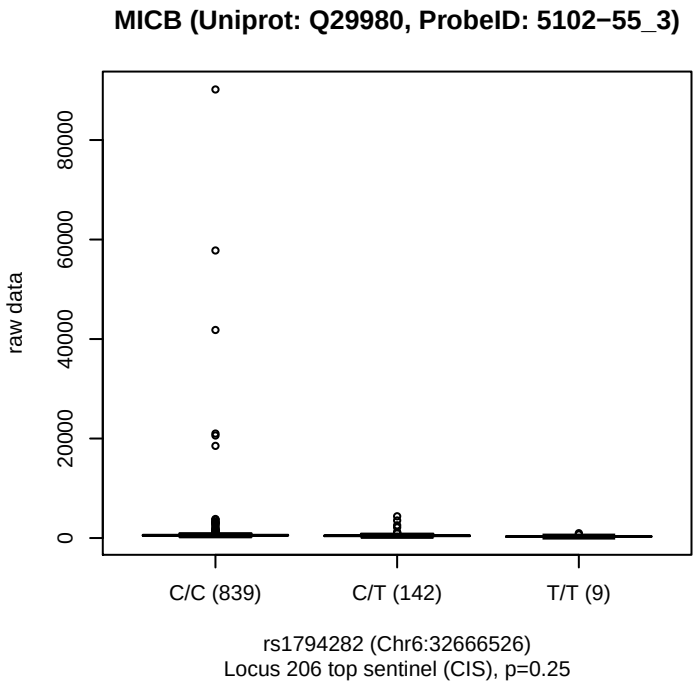

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
Frequency
0
50
100
150
200
250
300
15.0
15.5
16.0
16.5
17.0
17.5
log2−scaled data
Complement C4

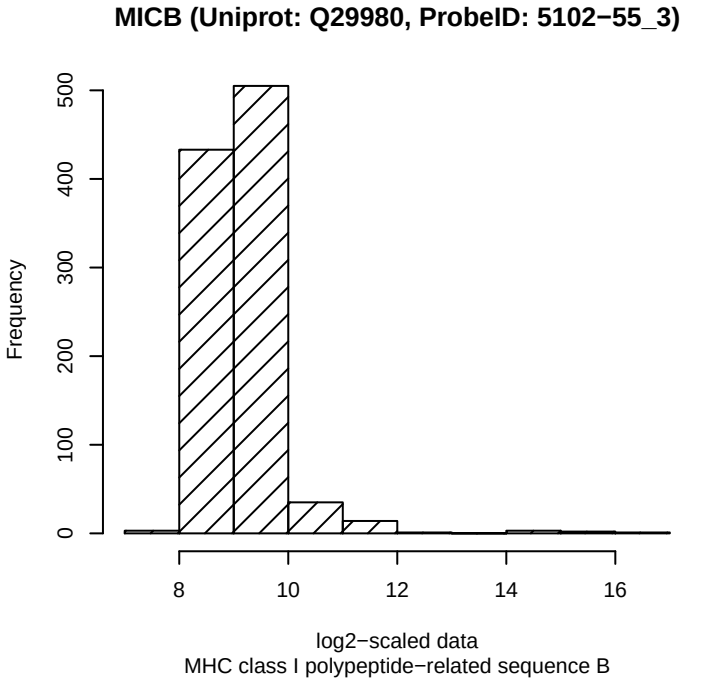

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
log2−scaled data
15.0
15.5
16.0
16.5
17.0
17.5
T/T (706)
T/C (263)
C/C (27)
rs409558 (Chr6:31708147)
Locus 205 sentinel (CIS), p=1.7e−09, FC=1.0725

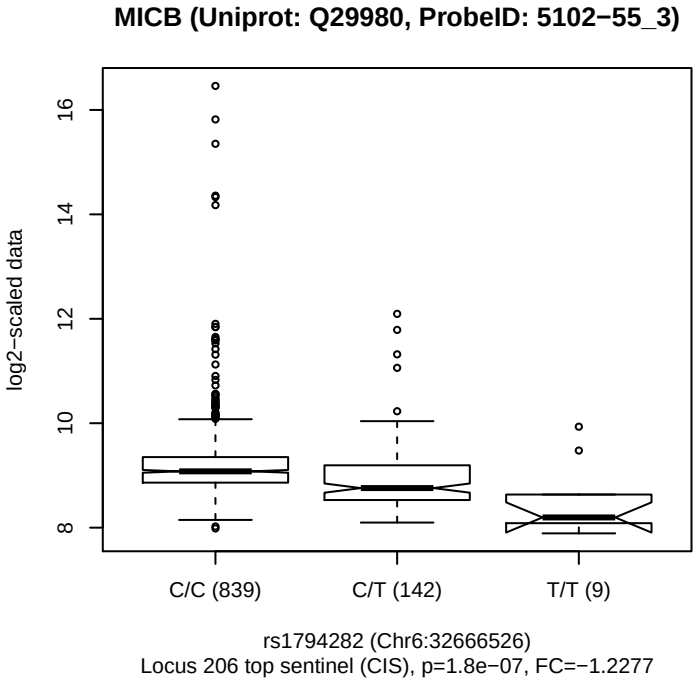

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Complement C4

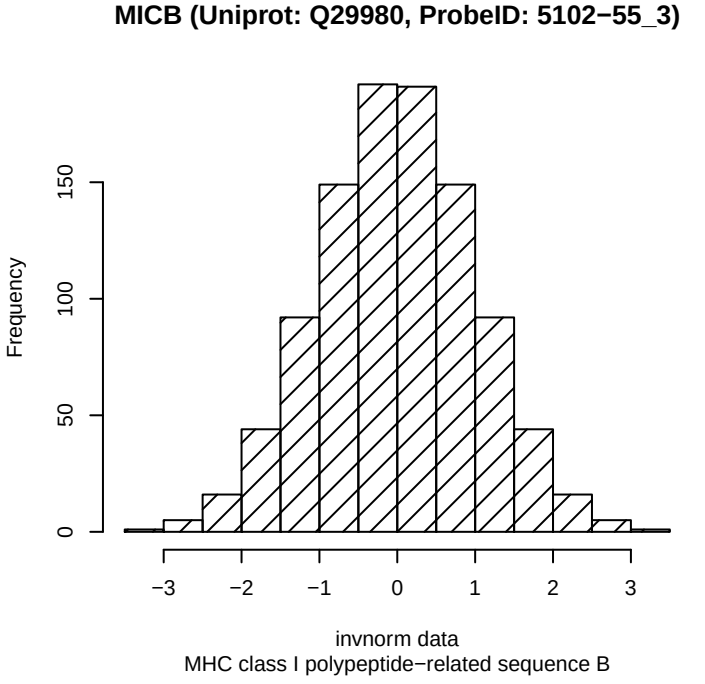

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (706)
T/C (263)
C/C (27)
rs409558 (Chr6:31708147)
Locus 205 sentinel (CIS), p=1.2e−10

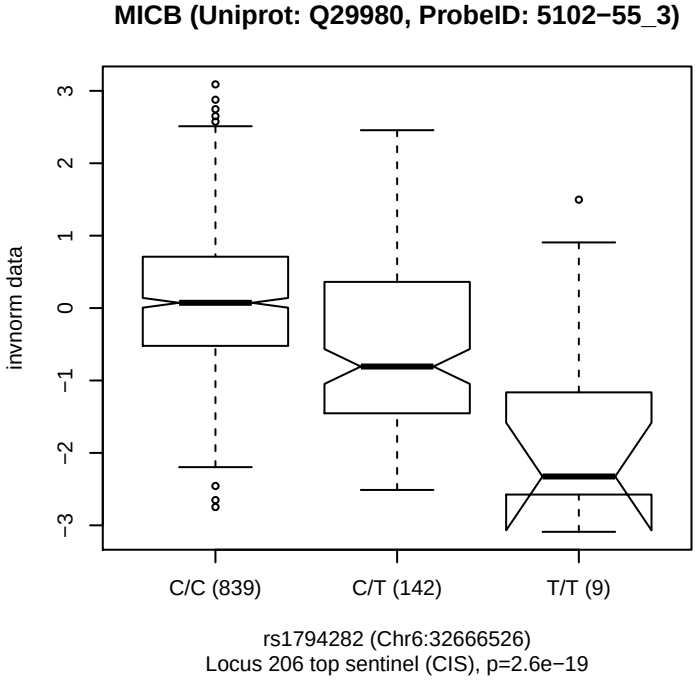

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
200
400
600
800
1000
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
raw data
MHC class I polypeptide−related sequence B

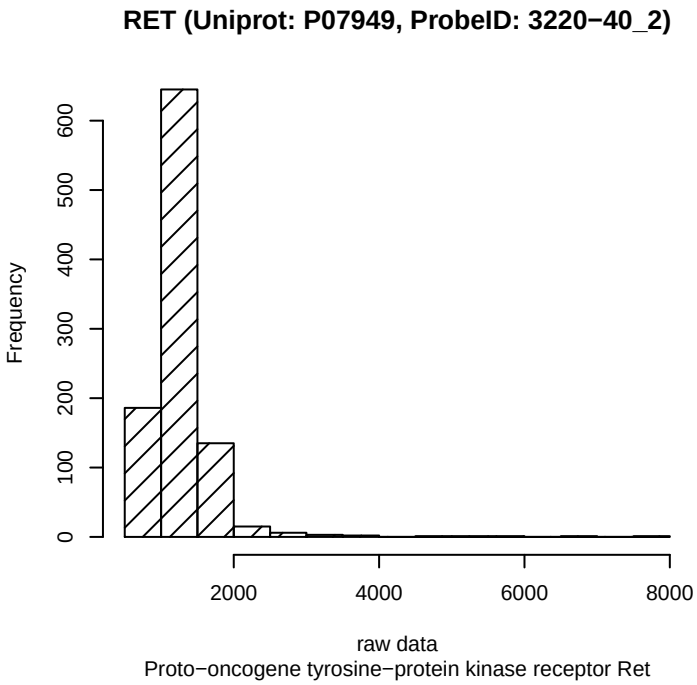

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
raw data
0
20000
40000
60000
80000
C/C (839)
C/T (142)
T/T (9)
rs1794282 (Chr6:32666526)
Locus 206 top sentinel (CIS), p=0.25

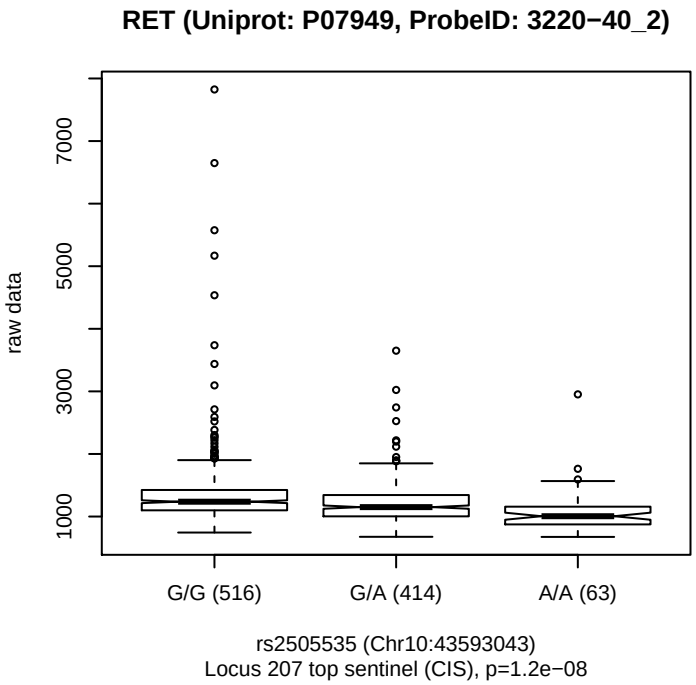

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
100
200
300
400
500
8
10
12
14
16
log2−scaled data
MHC class I polypeptide−related sequence B

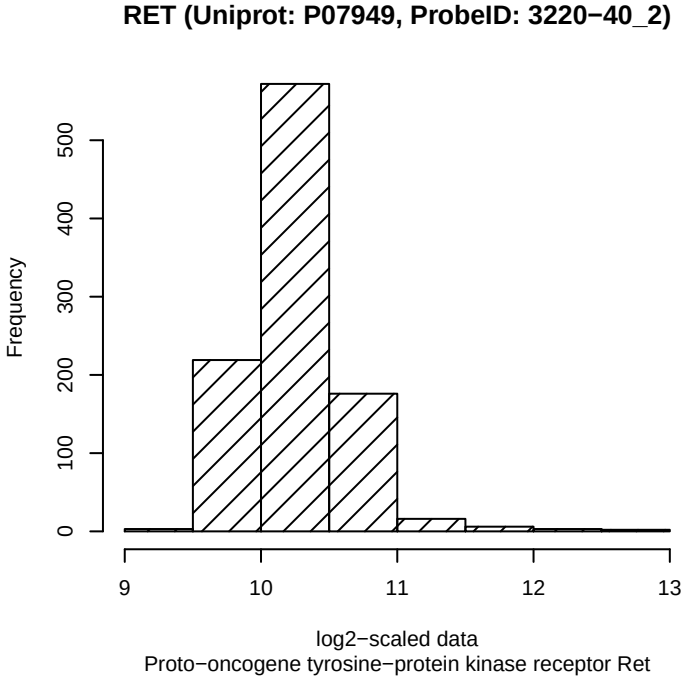

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
log2−scaled data
8
10
12
14
16
C/C (839)
C/T (142)
T/T (9)
rs1794282 (Chr6:32666526)
Locus 206 top sentinel (CIS), p=1.8e−07, FC=−1.2277

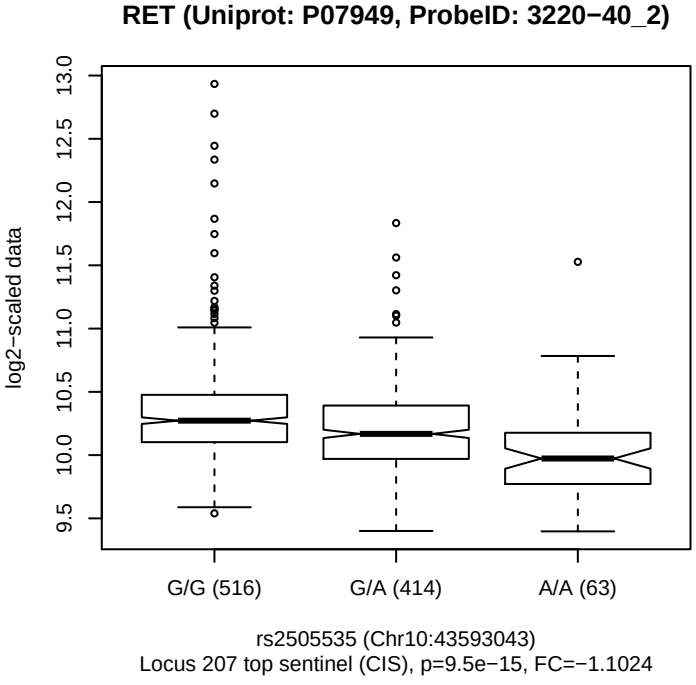

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence B

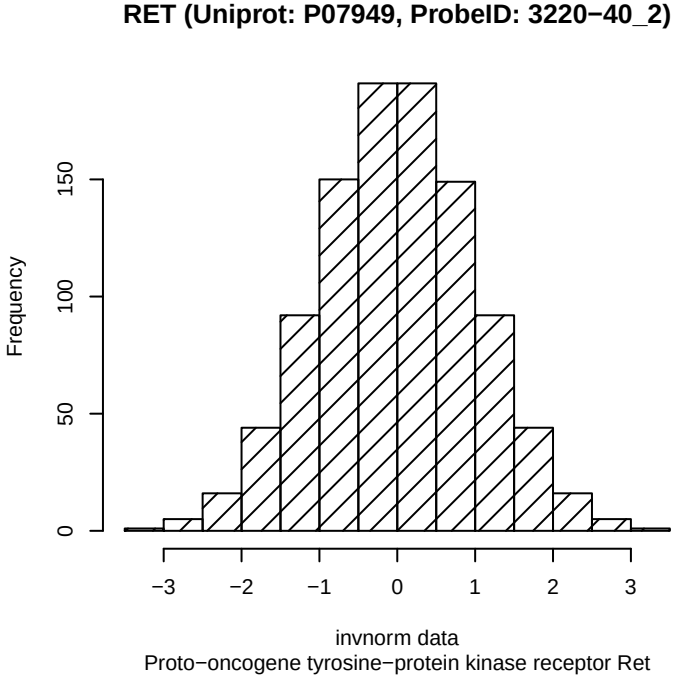

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
invnorm data
−3
−2
−1
0
1
2
3
C/C (839)
C/T (142)
T/T (9)
rs1794282 (Chr6:32666526)
Locus 206 top sentinel (CIS), p=2.6e−19

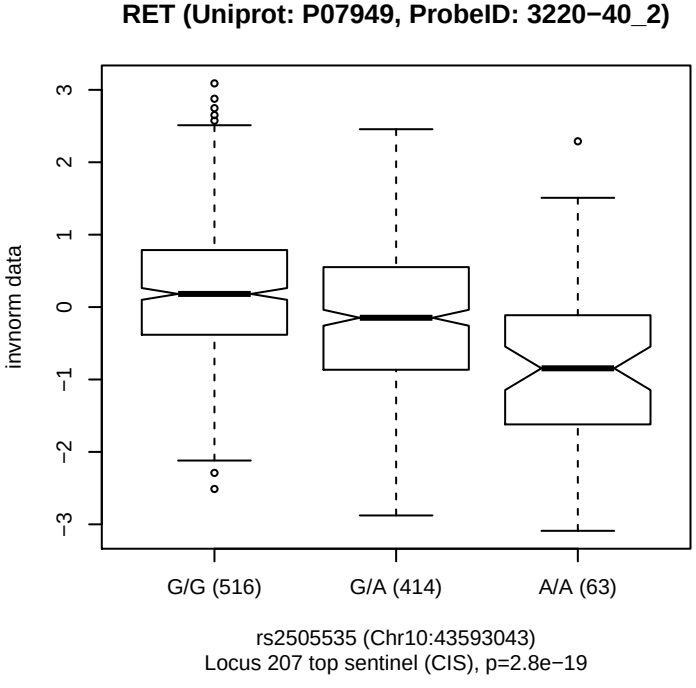

RET (Uniprot: P07949, ProbeID: 3220−40_2)
Frequency
0
100
200
300
400
500
600
2000
4000
6000
8000
raw data
Proto−oncogene tyrosine−protein kinase receptor Ret

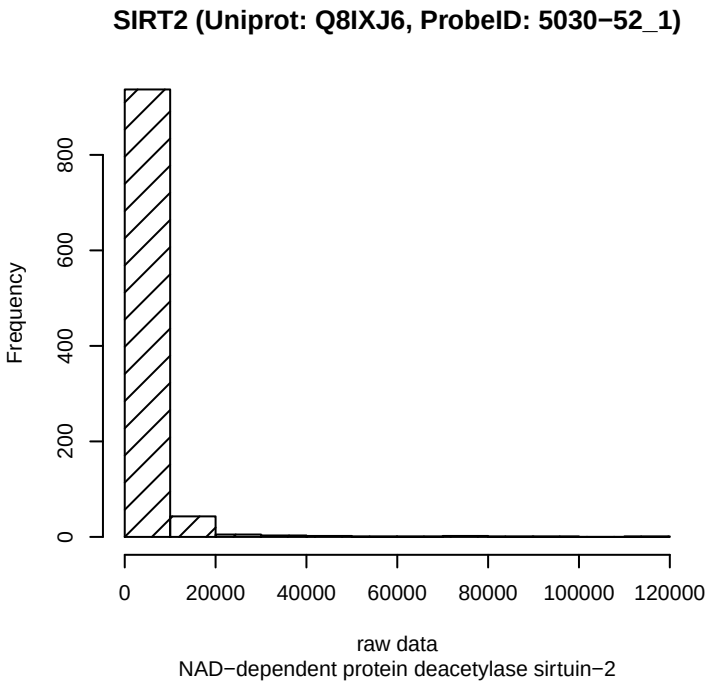

RET (Uniprot: P07949, ProbeID: 3220−40_2)
raw data
1000
3000
5000
7000
G/G (516)
G/A (414)
A/A (63)
rs2505535 (Chr10:43593043)
Locus 207 top sentinel (CIS), p=1.2e−08

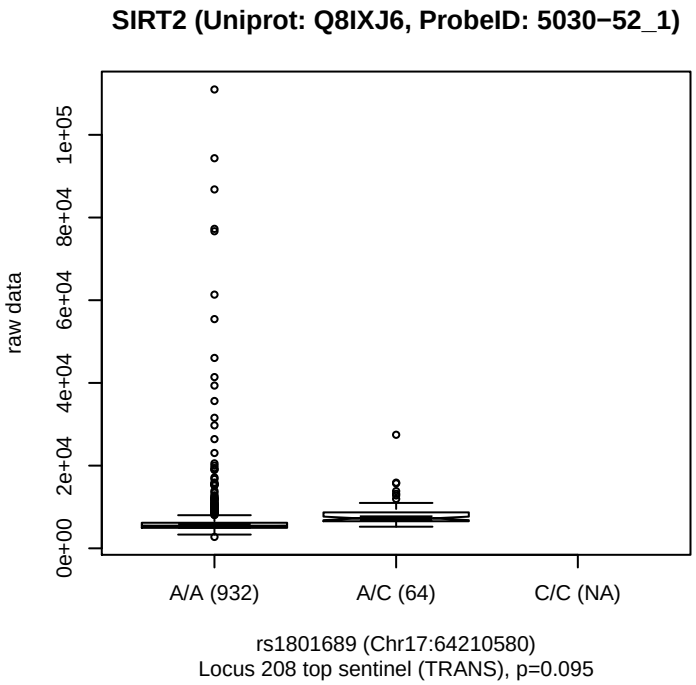

RET (Uniprot: P07949, ProbeID: 3220−40_2)
Frequency
0
100
200
300
400
500
9
10
11
12
13
log2−scaled data
Proto−oncogene tyrosine−protein kinase receptor Ret

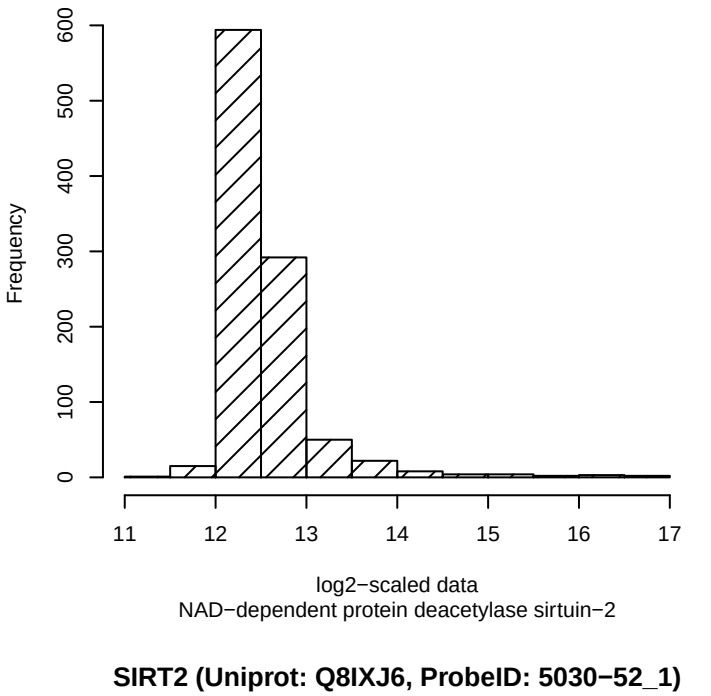

RET (Uniprot: P07949, ProbeID: 3220−40_2)
log2−scaled data
9.5
10.0
10.5
11.0
11.5
12.0
12.5
13.0
G/G (516)
G/A (414)
A/A (63)
rs2505535 (Chr10:43593043)
Locus 207 top sentinel (CIS), p=9.5e−15, FC=−1.1024

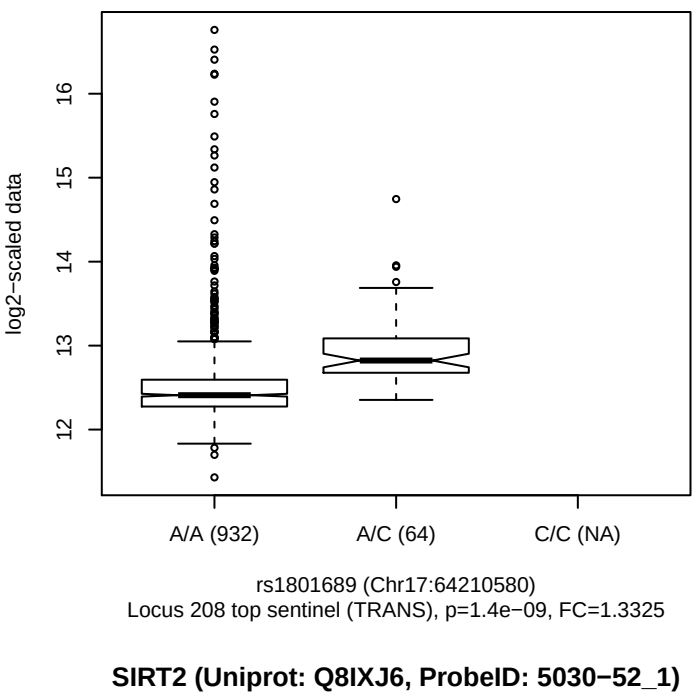

RET (Uniprot: P07949, ProbeID: 3220−40_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Proto−oncogene tyrosine−protein kinase receptor Ret

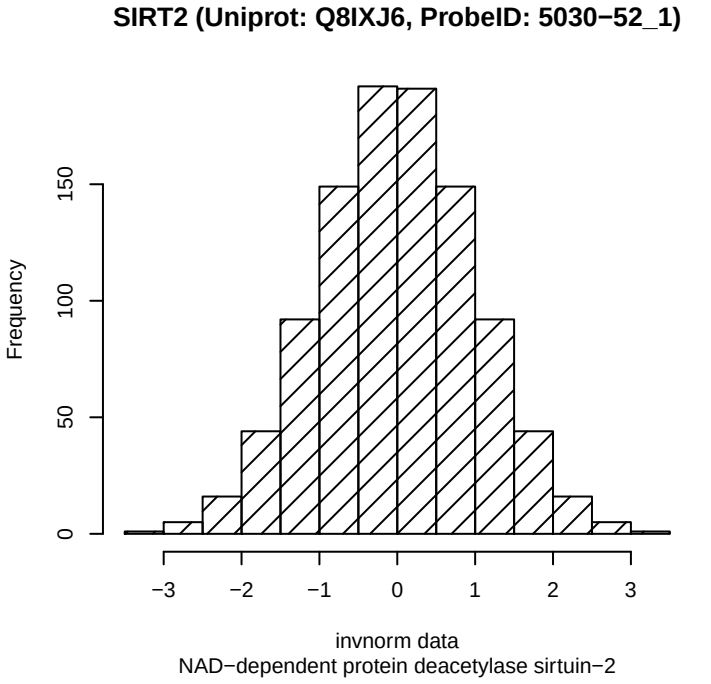

RET (Uniprot: P07949, ProbeID: 3220−40_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (516)
G/A (414)
A/A (63)
rs2505535 (Chr10:43593043)
Locus 207 top sentinel (CIS), p=2.8e−19

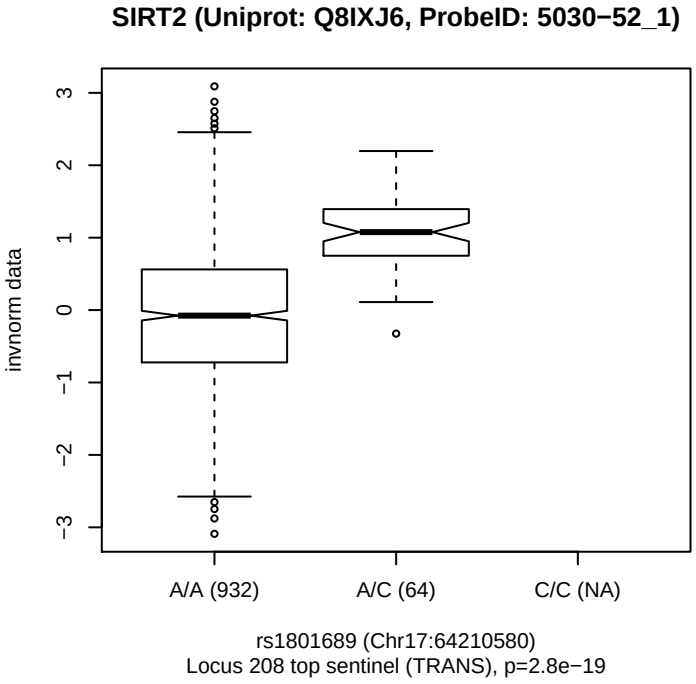

SIRT2 (Uniprot: Q8IXJ6, ProbeID: 5030−52_1)
Frequency
0
200
400
600
800
0
20000
40000
60000
80000
100000
120000
raw data
NAD−dependent protein deacetylase sirtuin−2

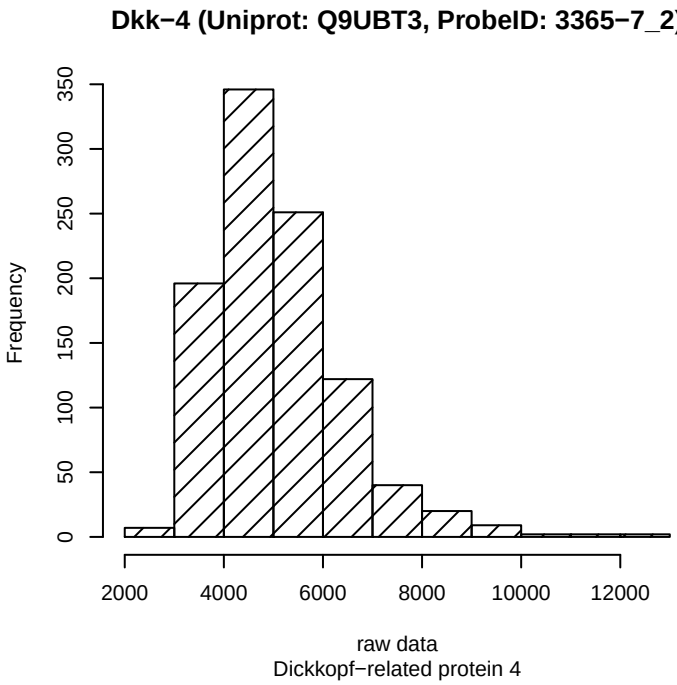

SIRT2 (Uniprot: Q8IXJ6, ProbeID: 5030−52_1)
raw data
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
A/A (932)
A/C (64)
C/C (NA)
rs1801689 (Chr17:64210580)
Locus 208 top sentinel (TRANS), p=0.095

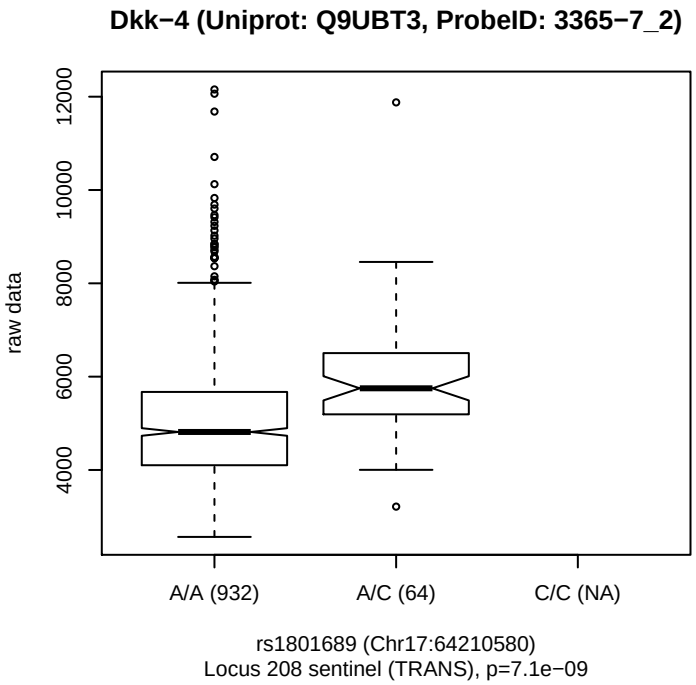

SIRT2 (Uniprot: Q8IXJ6, ProbeID: 5030−52_1)
Frequency
0
100
200
300
400
500
600
11
12
13
14
15
16
17
log2−scaled data
NAD−dependent protein deacetylase sirtuin−2

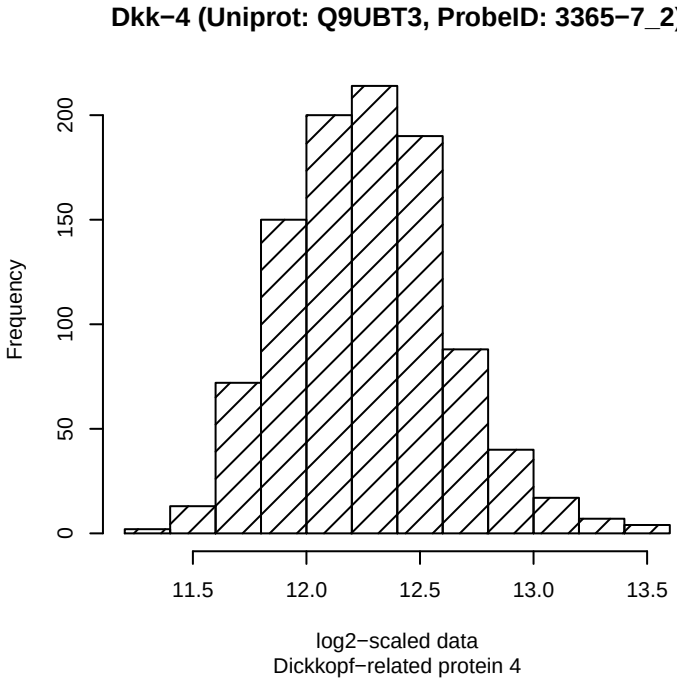

SIRT2 (Uniprot: Q8IXJ6, ProbeID: 5030−52_1)
log2−scaled data
12
13
14
15
16
A/A (932)
A/C (64)
C/C (NA)
rs1801689 (Chr17:64210580)
Locus 208 top sentinel (TRANS), p=1.4e−09, FC=1.3325

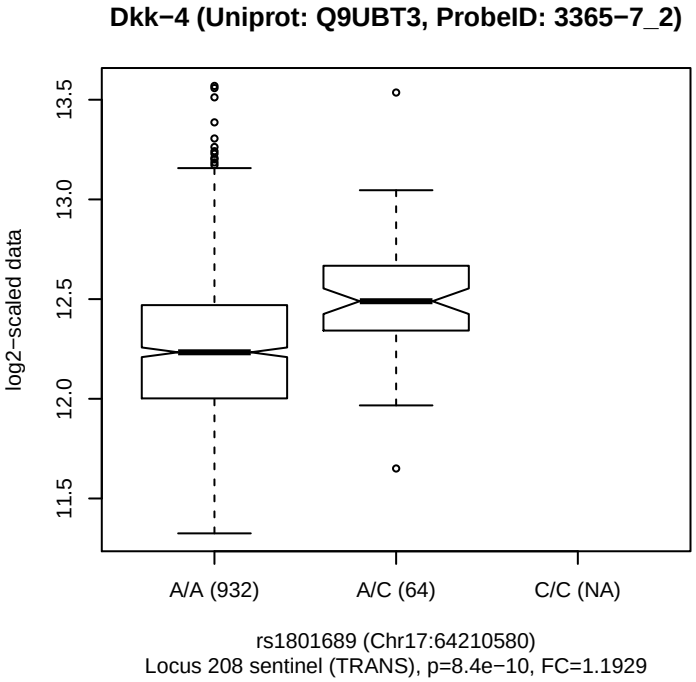

SIRT2 (Uniprot: Q8IXJ6, ProbeID: 5030−52_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
NAD−dependent protein deacetylase sirtuin−2

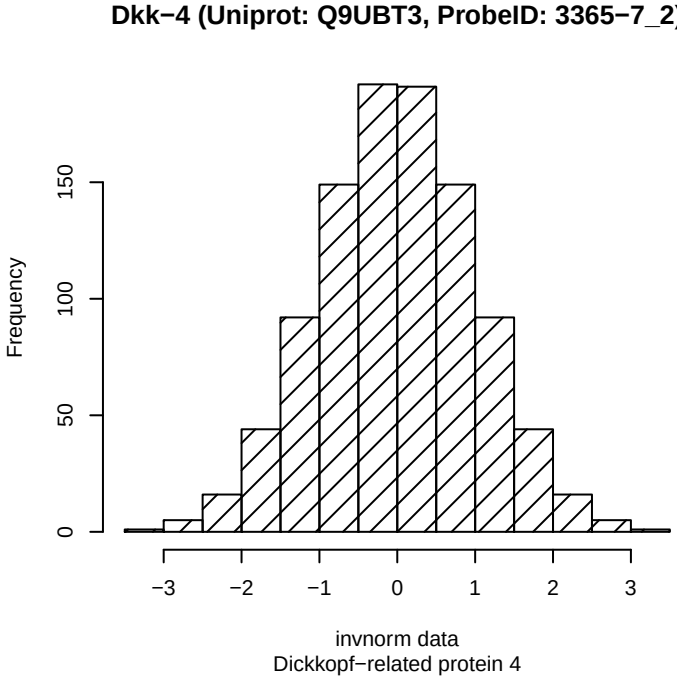

SIRT2 (Uniprot: Q8IXJ6, ProbeID: 5030−52_1)
invnorm data
−3
−2
−1
0
1
2
3
A/A (932)
A/C (64)
C/C (NA)
rs1801689 (Chr17:64210580)
Locus 208 top sentinel (TRANS), p=2.8e−19

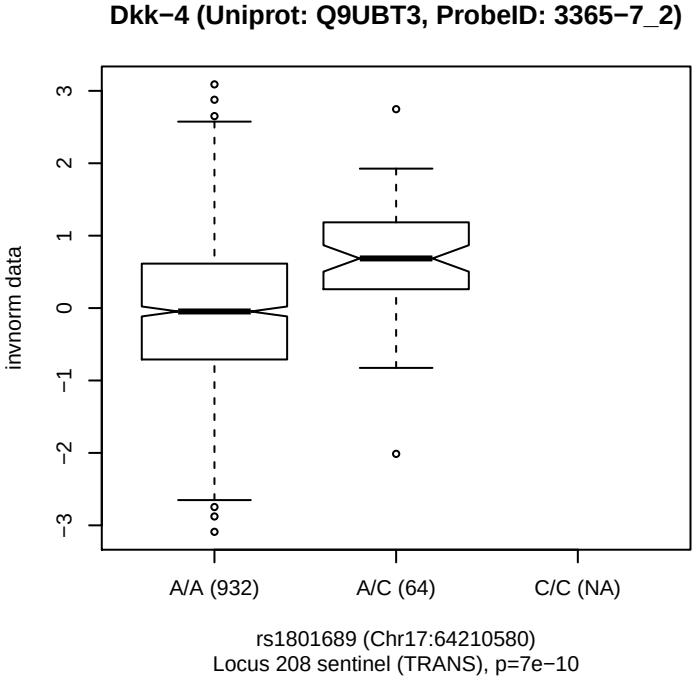

Dkk−4 (Uniprot: Q9UBT3, ProbeID: 3365−7_2)
Frequency
0
50
100
150
200
250
300
350
2000
4000
6000
8000
10000
12000
raw data
Dickkopf−related protein 4

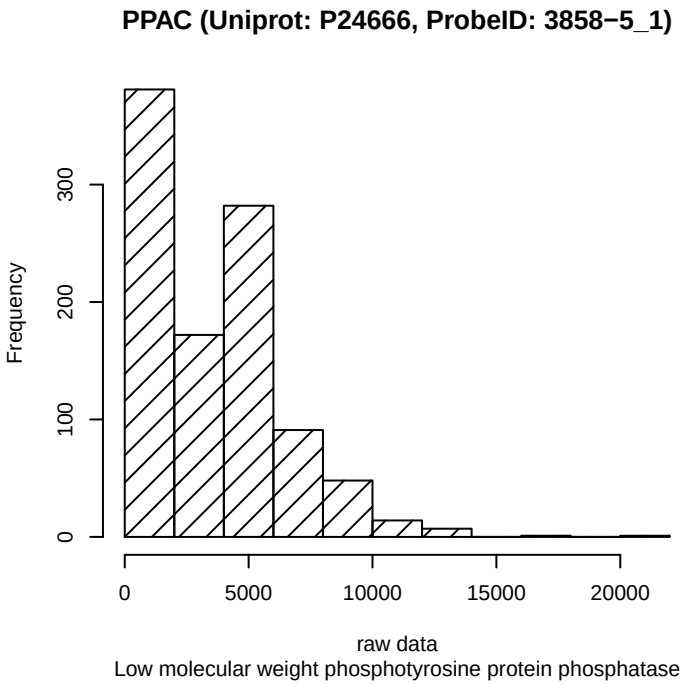

Dkk−4 (Uniprot: Q9UBT3, ProbeID: 3365−7_2)
raw data
4000
6000
8000
10000
12000
A/A (932)
A/C (64)
C/C (NA)
rs1801689 (Chr17:64210580)
Locus 208 sentinel (TRANS), p=7.1e−09

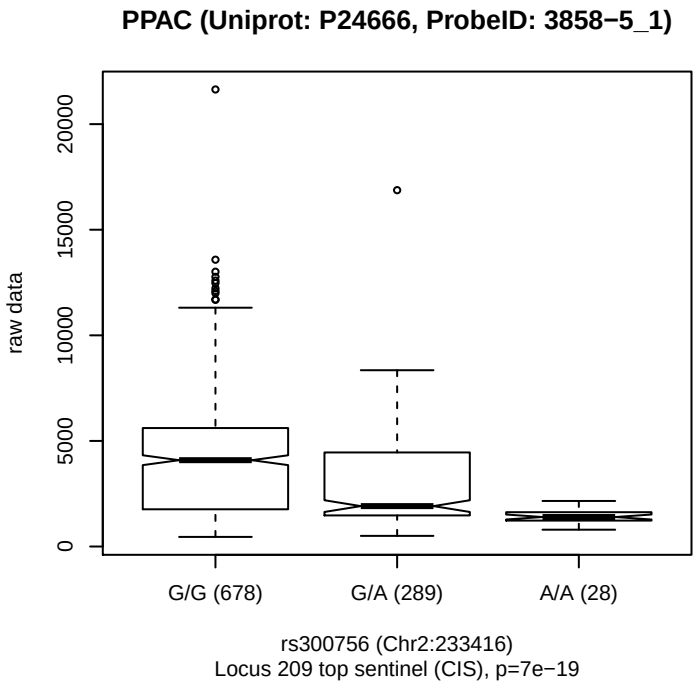

Dkk−4 (Uniprot: Q9UBT3, ProbeID: 3365−7_2)
Frequency
0
50
100
150
200
11.5
12.0
12.5
13.0
13.5
log2−scaled data
Dickkopf−related protein 4

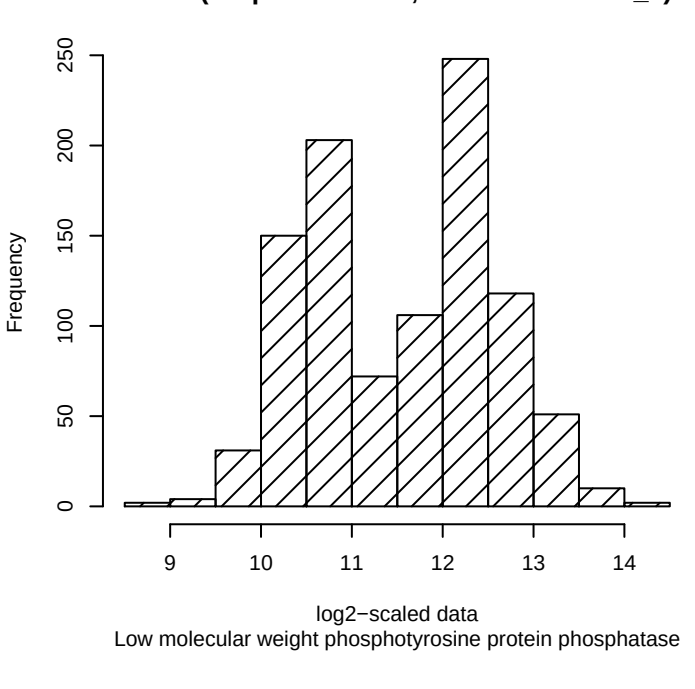

Dkk−4 (Uniprot: Q9UBT3, ProbeID: 3365−7_2)
log2−scaled data
11.5
12.0
12.5
13.0
13.5
A/A (932)
A/C (64)
C/C (NA)
rs1801689 (Chr17:64210580)
Locus 208 sentinel (TRANS), p=8.4e−10, FC=1.1929

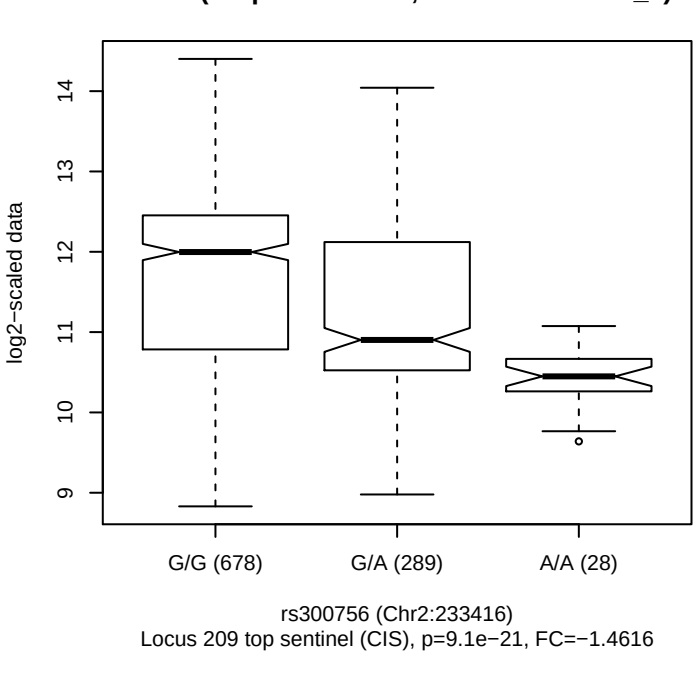

Dkk−4 (Uniprot: Q9UBT3, ProbeID: 3365−7_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Dickkopf−related protein 4

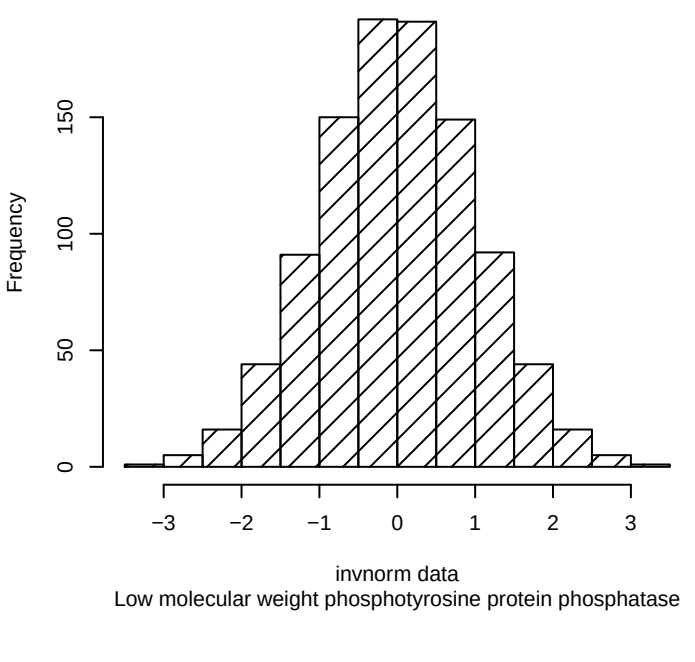

Dkk−4 (Uniprot: Q9UBT3, ProbeID: 3365−7_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (932)
A/C (64)
C/C (NA)
rs1801689 (Chr17:64210580)
Locus 208 sentinel (TRANS), p=7e−10

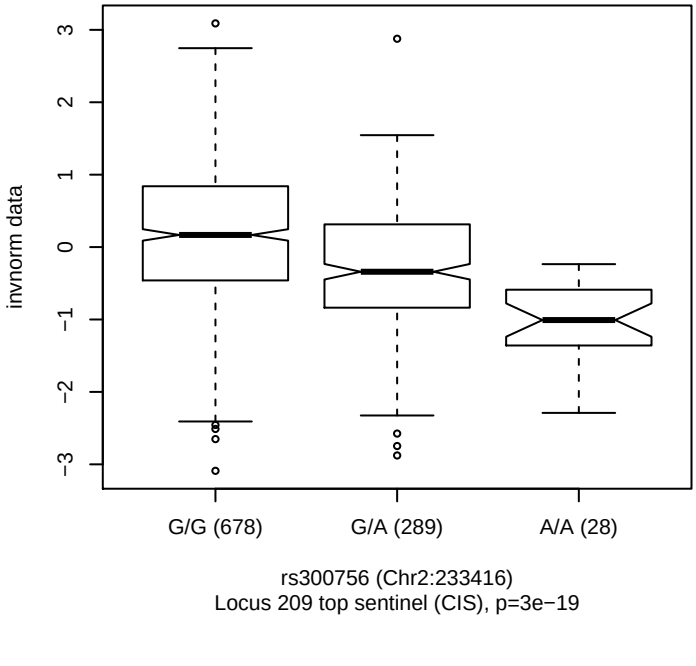

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
Frequency
0
100
200
300
0
5000
10000
15000
20000
raw data
Low molecular weight phosphotyrosine protein phosphatase

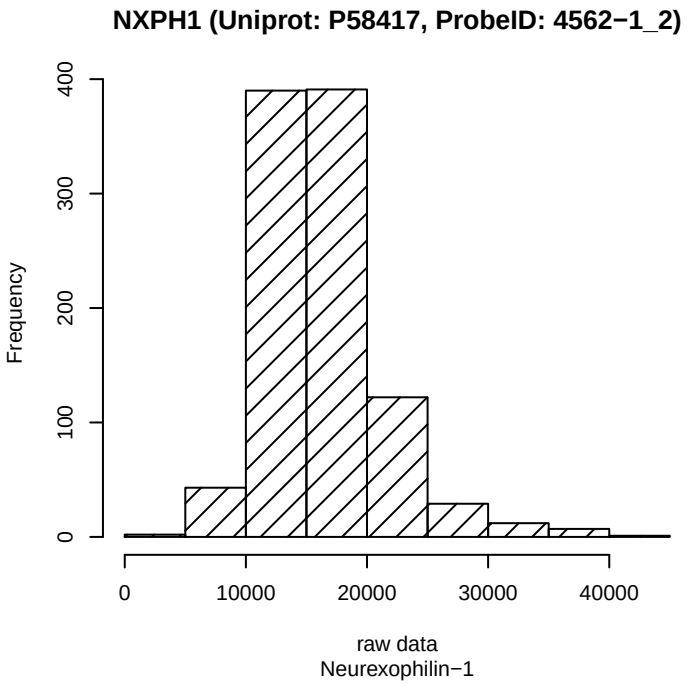

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
raw data
0
5000
10000
15000
20000
G/G (678)
G/A (289)
A/A (28)
rs300756 (Chr2:233416)
Locus 209 top sentinel (CIS), p=7e−19

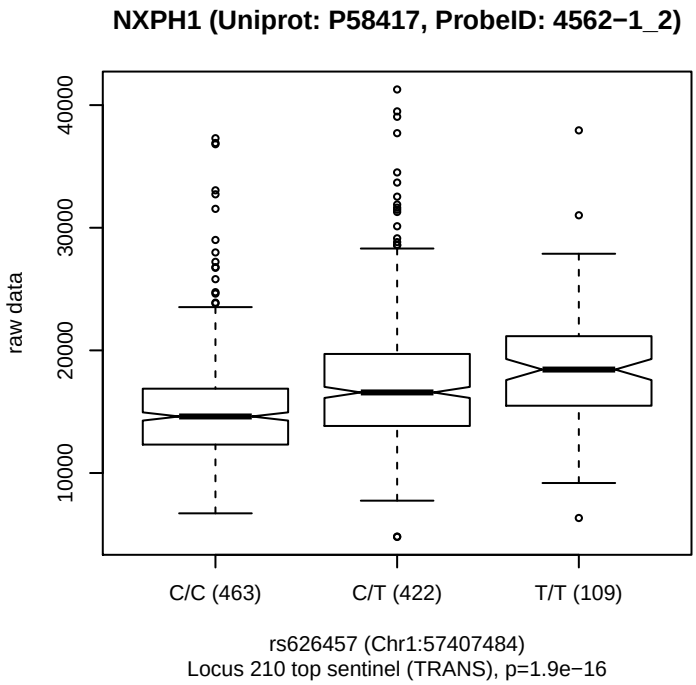

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
Frequency
0
50
100
150
200
250
9
10
11
12
13
14
log2−scaled data
Low molecular weight phosphotyrosine protein phosphatase

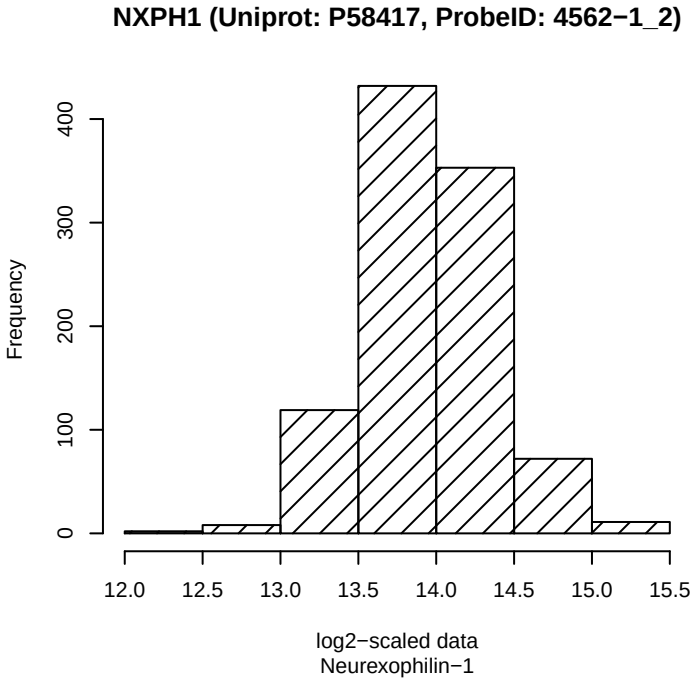

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
log2−scaled data
9
10
11
12
13
14
G/G (678)
G/A (289)
A/A (28)
rs300756 (Chr2:233416)
Locus 209 top sentinel (CIS), p=9.1e−21, FC=−1.4616

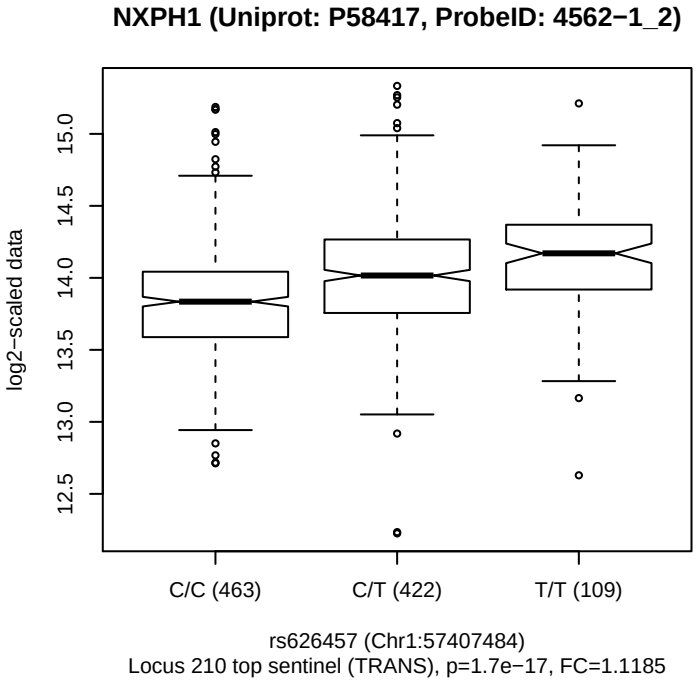

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Low molecular weight phosphotyrosine protein phosphatase

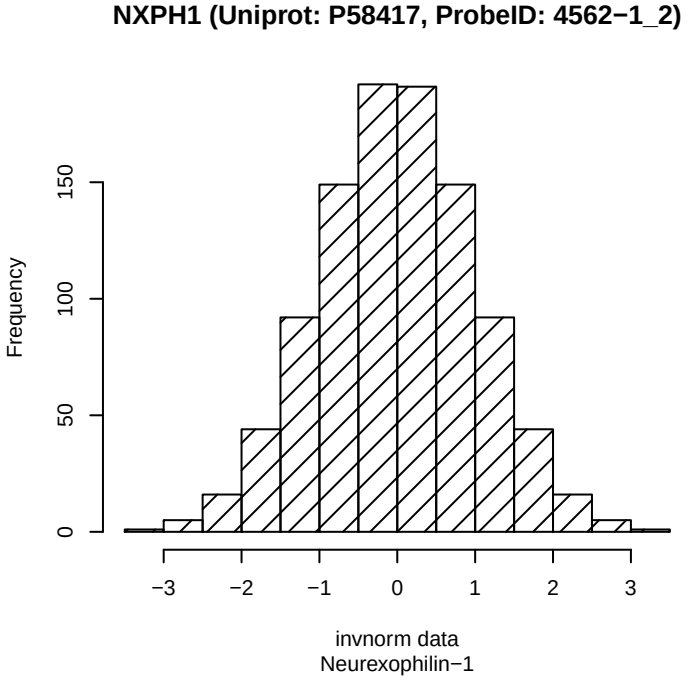

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
invnorm data
−3
−2
−1
0
1
2
3
G/G (678)
G/A (289)
A/A (28)
rs300756 (Chr2:233416)
Locus 209 top sentinel (CIS), p=3e−19

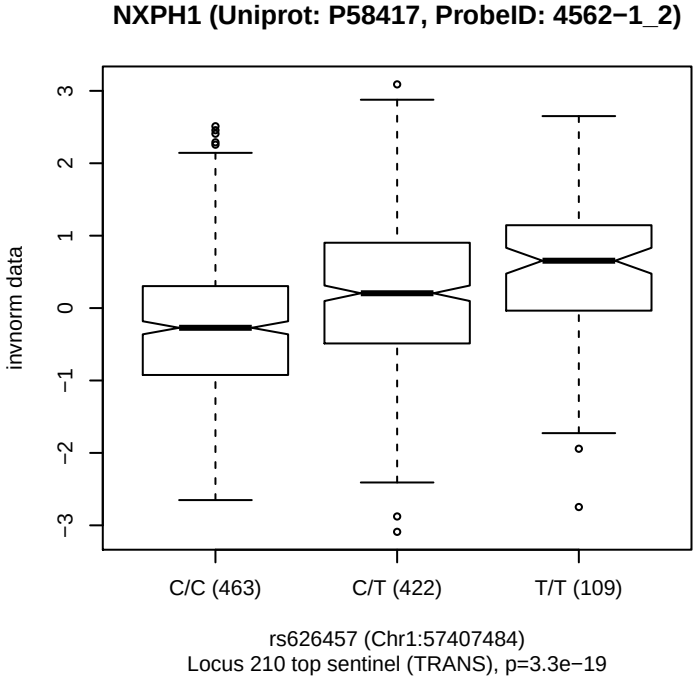

NXPH1 (Uniprot: P58417, ProbeID: 4562−1_2)
Frequency
0
100
200
300
400
0
10000
20000
30000
40000
raw data
Neurexophilin−1

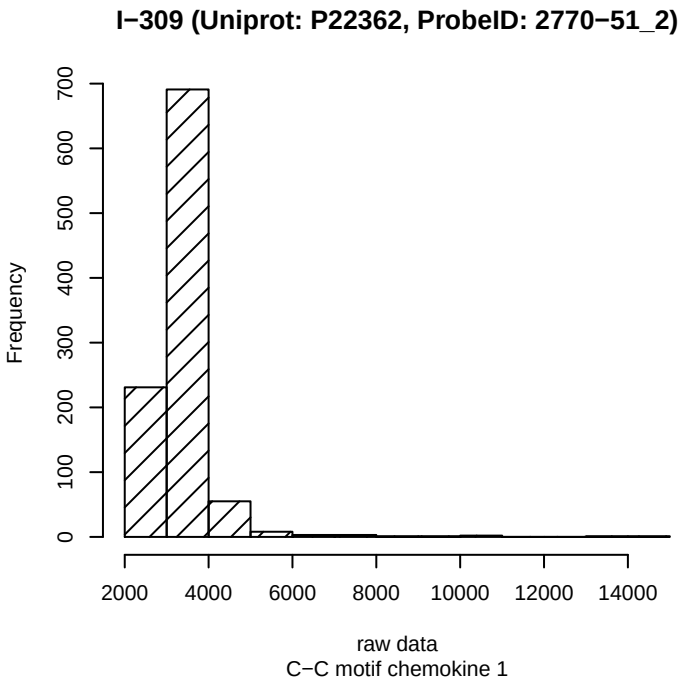

NXPH1 (Uniprot: P58417, ProbeID: 4562−1_2)
raw data
10000
20000
30000
40000
C/C (463)
C/T (422)
T/T (109)
rs626457 (Chr1:57407484)
Locus 210 top sentinel (TRANS), p=1.9e−16

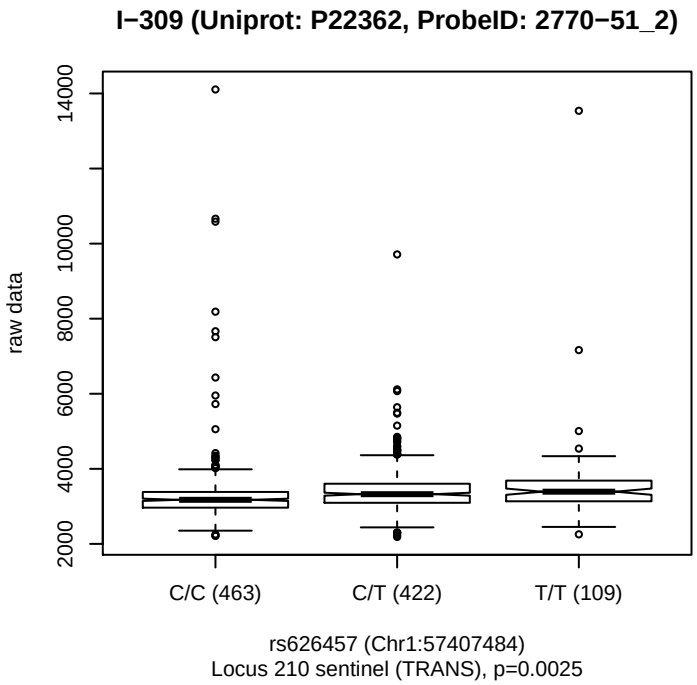

NXPH1 (Uniprot: P58417, ProbeID: 4562−1_2)
Frequency
0
100
200
300
400
12.0
12.5
13.0
13.5
14.0
14.5
15.0
15.5
log2−scaled data
Neurexophilin−1

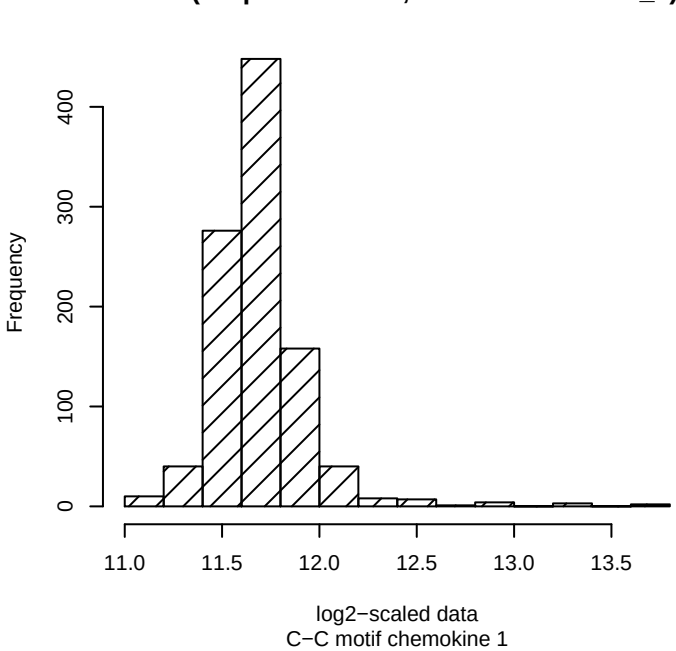

NXPH1 (Uniprot: P58417, ProbeID: 4562−1_2)
log2−scaled data
12.5
13.0
13.5
14.0
14.5
15.0
C/C (463)
C/T (422)
T/T (109)
rs626457 (Chr1:57407484)
Locus 210 top sentinel (TRANS), p=1.7e−17, FC=1.1185

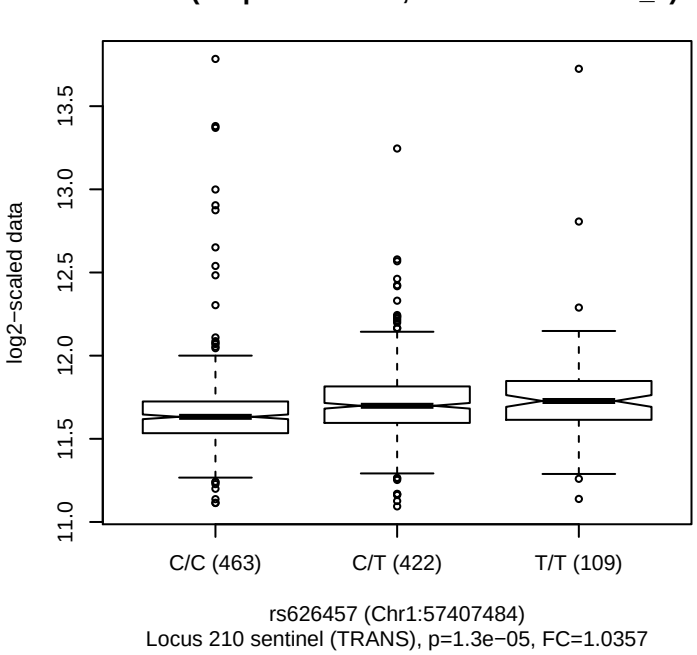

NXPH1 (Uniprot: P58417, ProbeID: 4562−1_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Neurexophilin−1

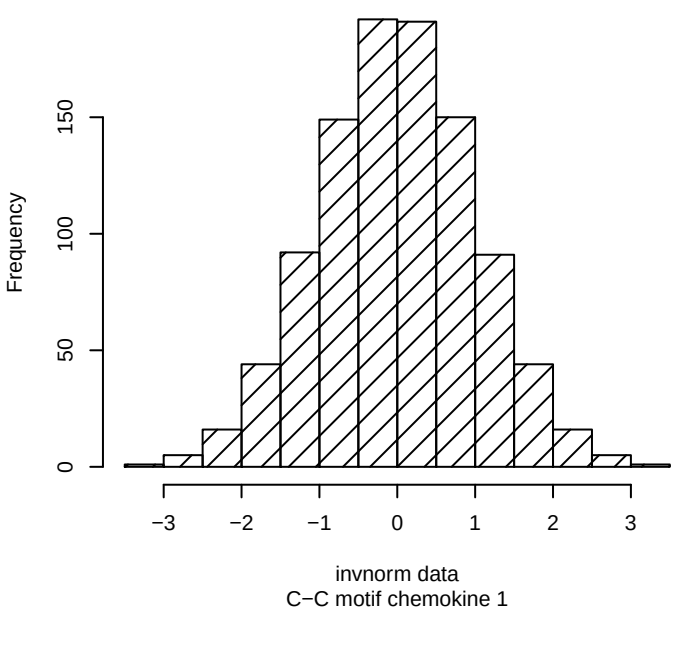

NXPH1 (Uniprot: P58417, ProbeID: 4562−1_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (463)
C/T (422)
T/T (109)
rs626457 (Chr1:57407484)
Locus 210 top sentinel (TRANS), p=3.3e−19

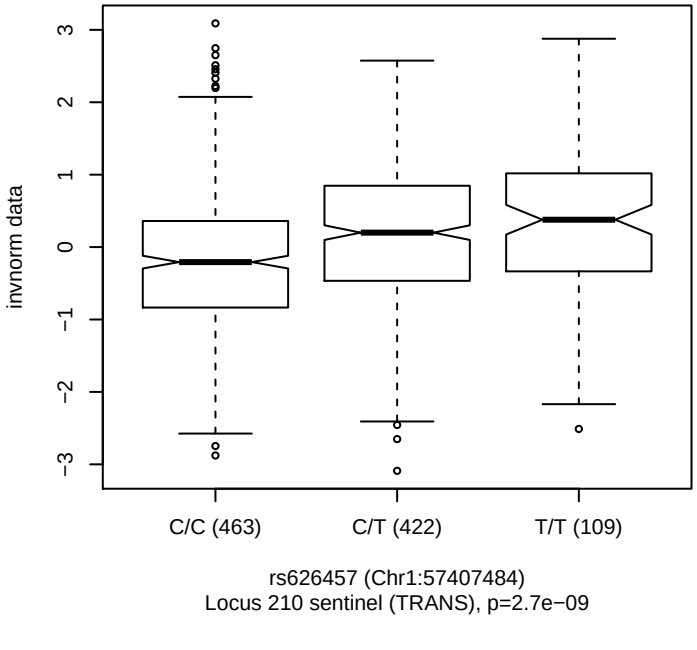

I−309 (Uniprot: P22362, ProbeID: 2770−51_2)
Frequency
0
100
200
300
400
500
600
700
2000
4000
6000
8000
10000
12000
14000
raw data
C−C motif chemokine 1

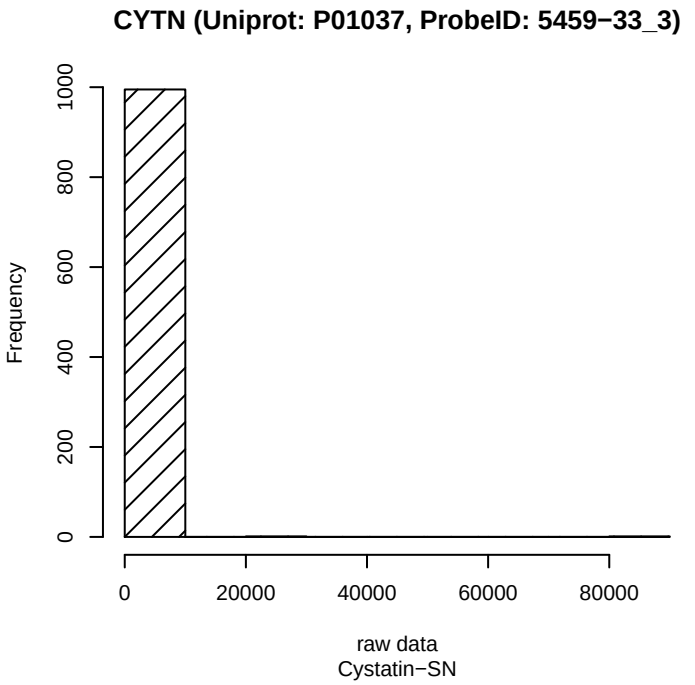

I−309 (Uniprot: P22362, ProbeID: 2770−51_2)
raw data
2000
4000
6000
8000
10000
12000
14000
C/C (463)
C/T (422)
T/T (109)
rs626457 (Chr1:57407484)
Locus 210 sentinel (TRANS), p=0.0025

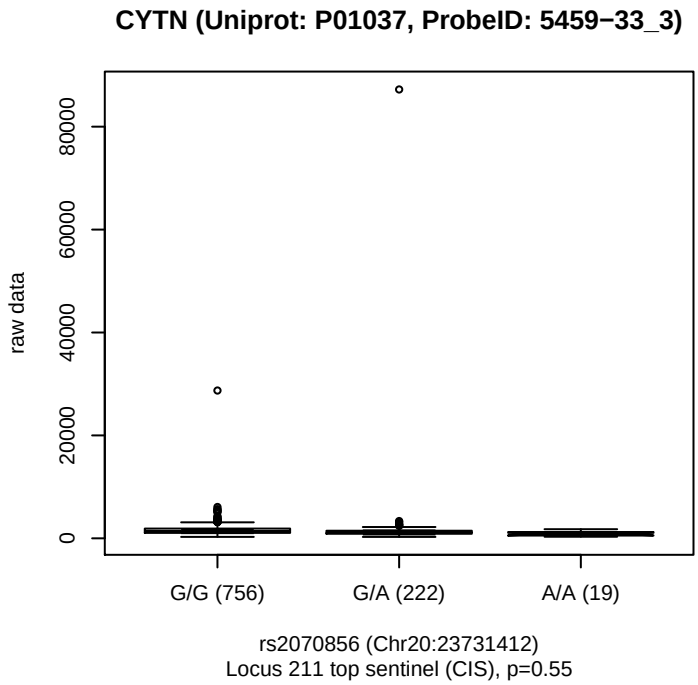

I−309 (Uniprot: P22362, ProbeID: 2770−51_2)
Frequency
0
100
200
300
400
11.0
11.5
12.0
12.5
13.0
13.5
log2−scaled data
C−C motif chemokine 1

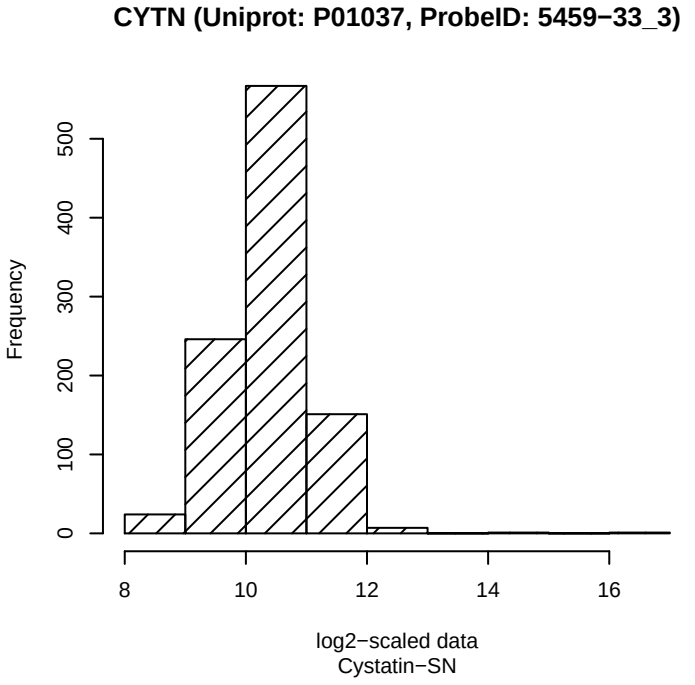

I−309 (Uniprot: P22362, ProbeID: 2770−51_2)
log2−scaled data
11.0
11.5
12.0
12.5
13.0
13.5
C/C (463)
C/T (422)
T/T (109)
rs626457 (Chr1:57407484)
Locus 210 sentinel (TRANS), p=1.3e−05, FC=1.0357

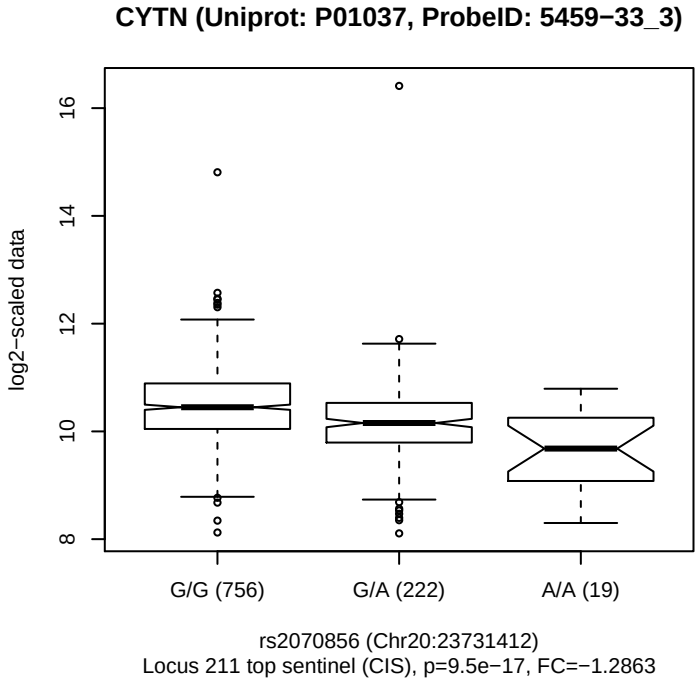

I−309 (Uniprot: P22362, ProbeID: 2770−51_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 1

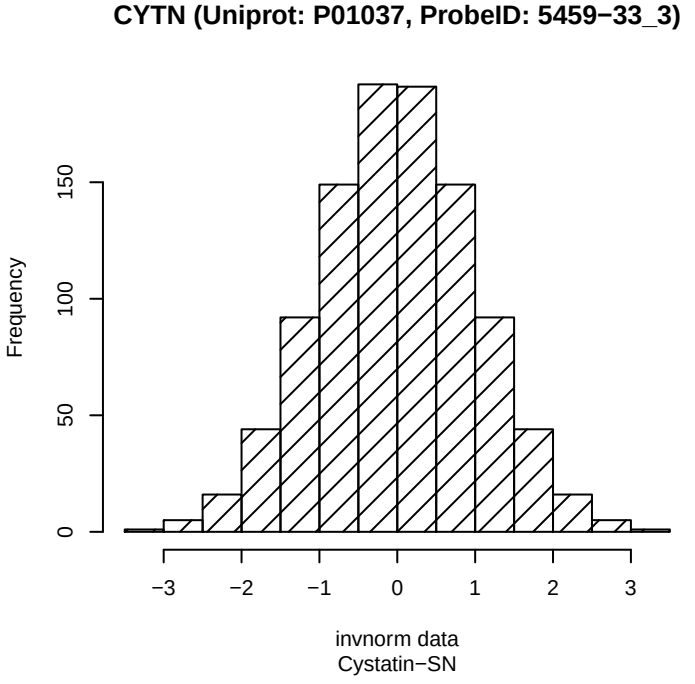

I−309 (Uniprot: P22362, ProbeID: 2770−51_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (463)
C/T (422)
T/T (109)
rs626457 (Chr1:57407484)
Locus 210 sentinel (TRANS), p=2.7e−09

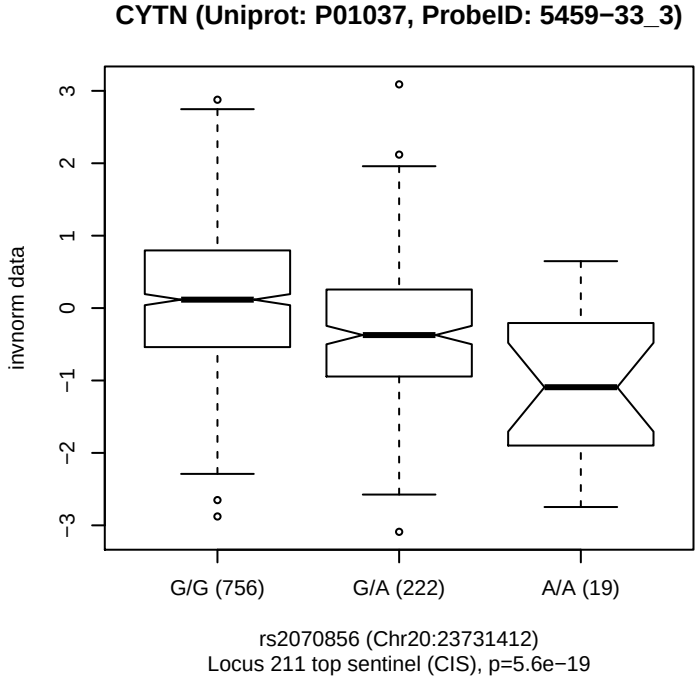

CYTN (Uniprot: P01037, ProbeID: 5459−33_3)
Frequency
0
200
400
600
800
1000
0
20000
40000
60000
80000
raw data
Cystatin−SN

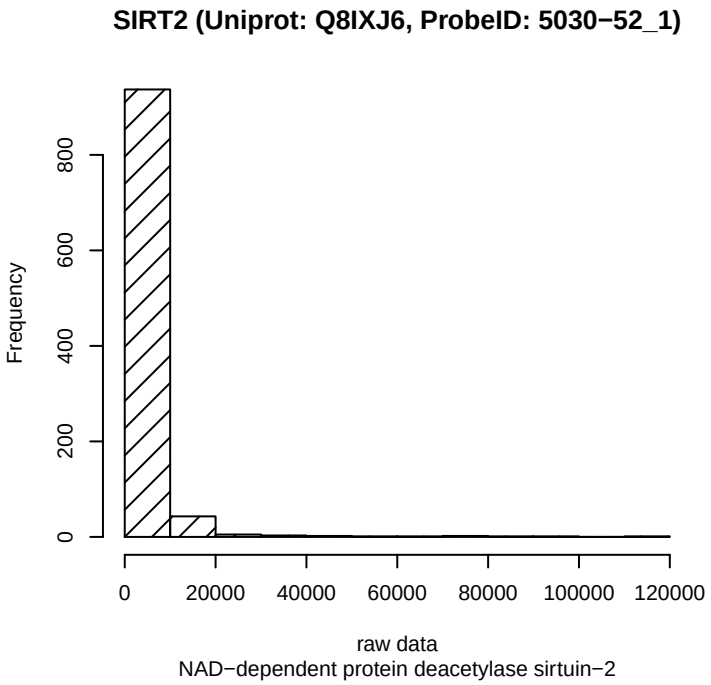

CYTN (Uniprot: P01037, ProbeID: 5459−33_3)
raw data
0
20000
40000
60000
80000
G/G (756)
G/A (222)
A/A (19)
rs2070856 (Chr20:23731412)
Locus 211 top sentinel (CIS), p=0.55

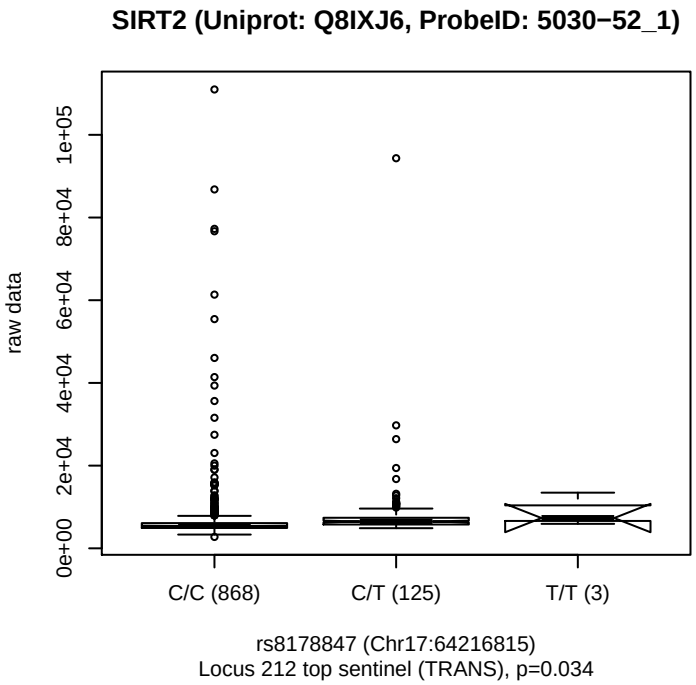

CYTN (Uniprot: P01037, ProbeID: 5459−33_3)
Frequency
0
100
200
300
400
500
8
10
12
14
16
log2−scaled data
Cystatin−SN

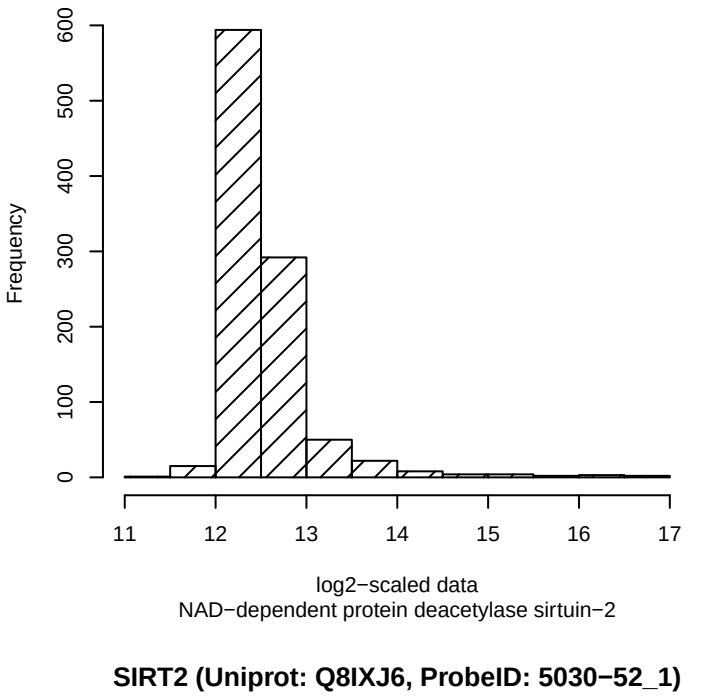

CYTN (Uniprot: P01037, ProbeID: 5459−33_3)
log2−scaled data
8
10
12
14
16
G/G (756)
G/A (222)
A/A (19)
rs2070856 (Chr20:23731412)
Locus 211 top sentinel (CIS), p=9.5e−17, FC=−1.2863

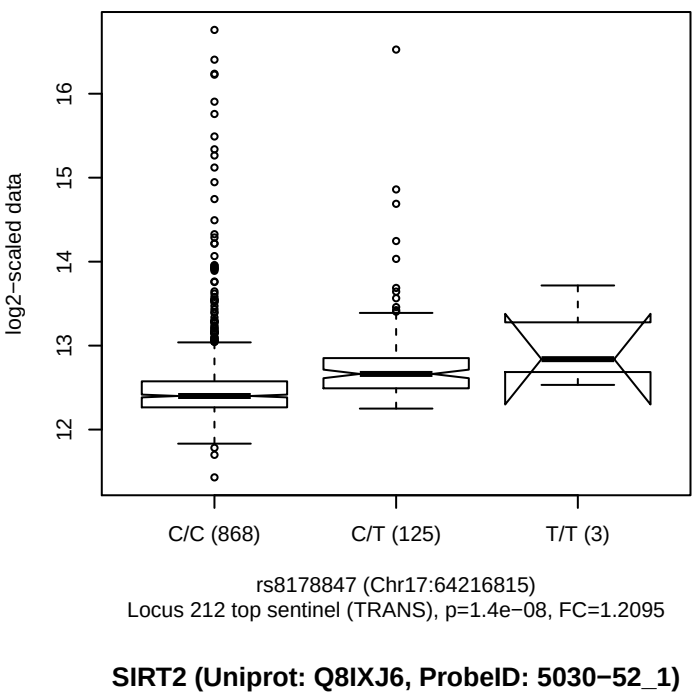

CYTN (Uniprot: P01037, ProbeID: 5459−33_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Cystatin−SN

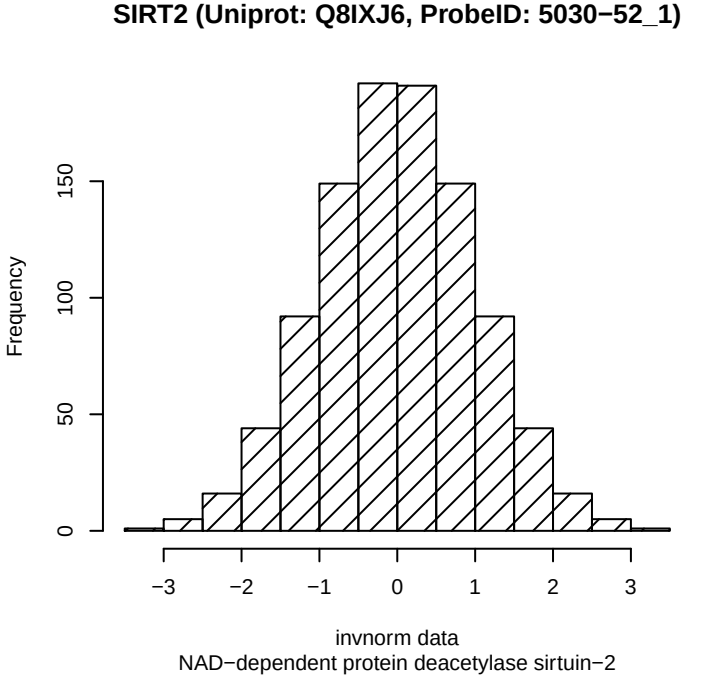

CYTN (Uniprot: P01037, ProbeID: 5459−33_3)
invnorm data
−3
−2
−1
0
1
2
3
G/G (756)
G/A (222)
A/A (19)
rs2070856 (Chr20:23731412)
Locus 211 top sentinel (CIS), p=5.6e−19

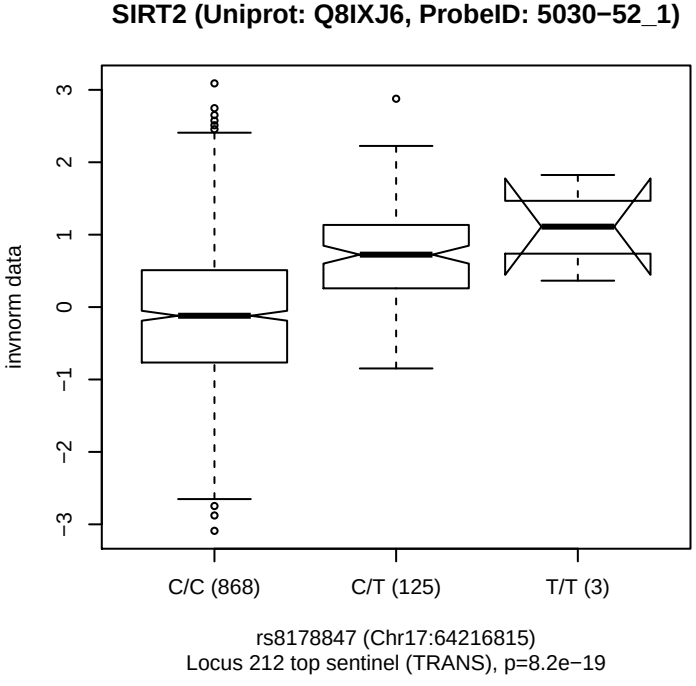

SIRT2 (Uniprot: Q8IXJ6, ProbeID: 5030−52_1)
Frequency
0
200
400
600
800
0
20000
40000
60000
80000
100000
120000
raw data
NAD−dependent protein deacetylase sirtuin−2

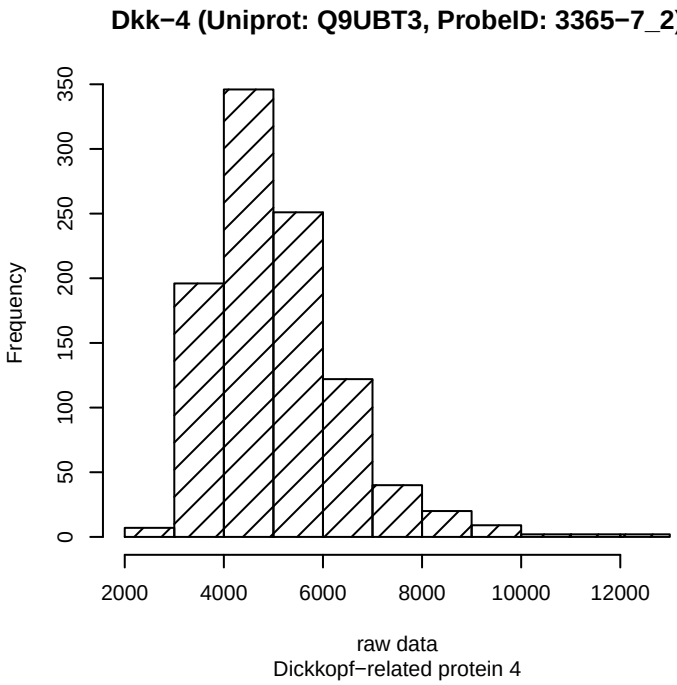

SIRT2 (Uniprot: Q8IXJ6, ProbeID: 5030−52_1)
raw data
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
C/C (868)
C/T (125)
T/T (3)
rs8178847 (Chr17:64216815)
Locus 212 top sentinel (TRANS), p=0.034

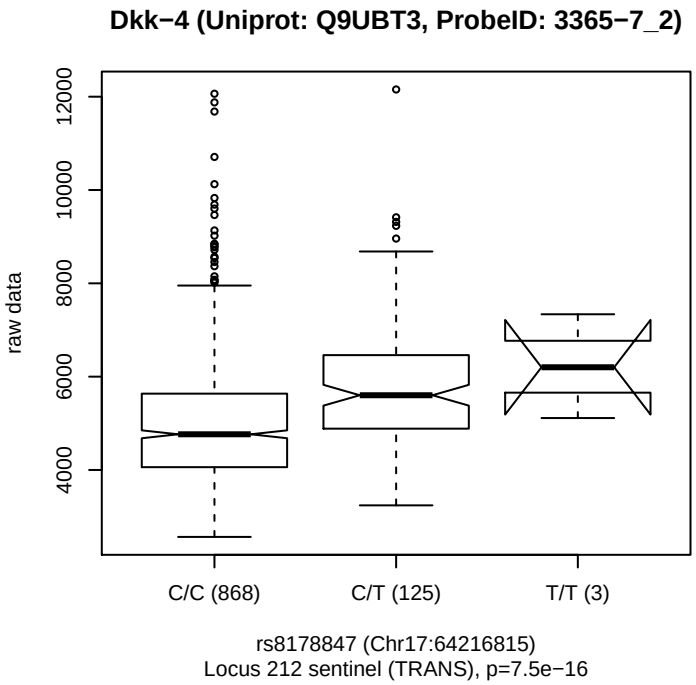

SIRT2 (Uniprot: Q8IXJ6, ProbeID: 5030−52_1)
Frequency
0
100
200
300
400
500
600
11
12
13
14
15
16
17
log2−scaled data
NAD−dependent protein deacetylase sirtuin−2

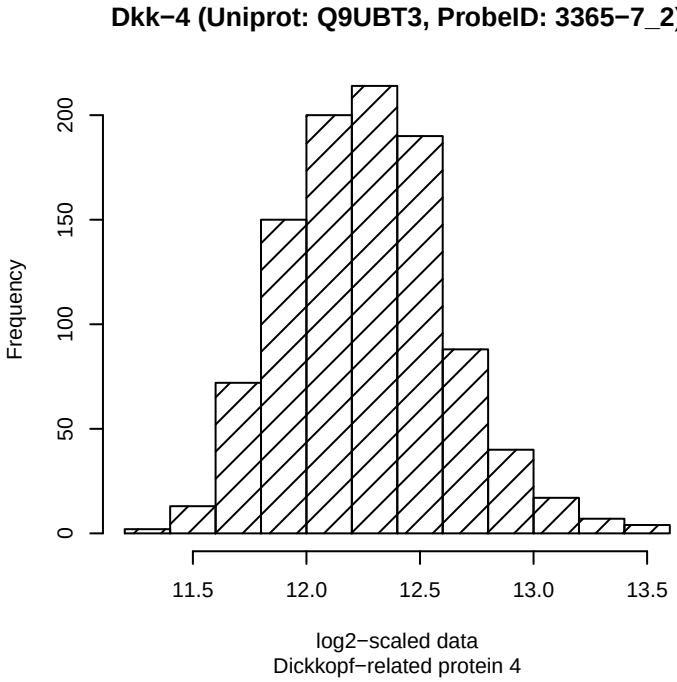

SIRT2 (Uniprot: Q8IXJ6, ProbeID: 5030−52_1)
log2−scaled data
12
13
14
15
16
C/C (868)
C/T (125)
T/T (3)
rs8178847 (Chr17:64216815)
Locus 212 top sentinel (TRANS), p=1.4e−08, FC=1.2095

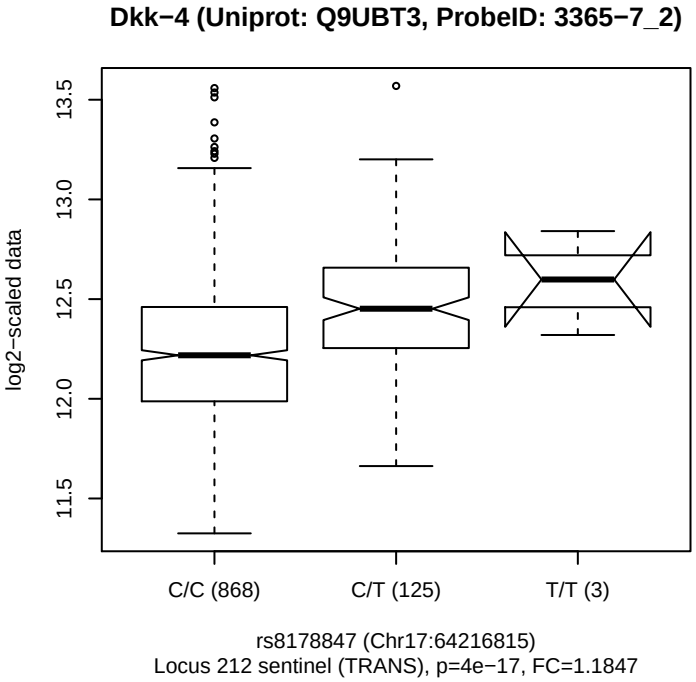

SIRT2 (Uniprot: Q8IXJ6, ProbeID: 5030−52_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
NAD−dependent protein deacetylase sirtuin−2

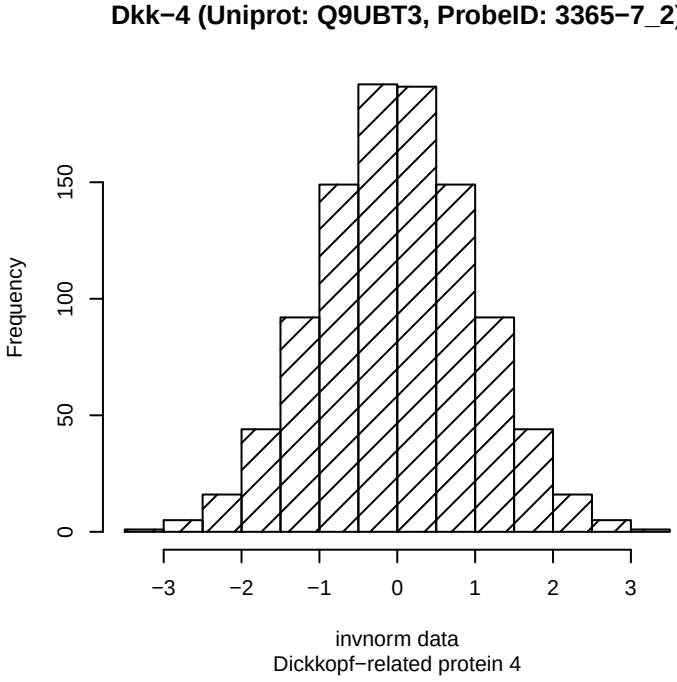

SIRT2 (Uniprot: Q8IXJ6, ProbeID: 5030−52_1)
invnorm data
−3
−2
−1
0
1
2
3
C/C (868)
C/T (125)
T/T (3)
rs8178847 (Chr17:64216815)
Locus 212 top sentinel (TRANS), p=8.2e−19

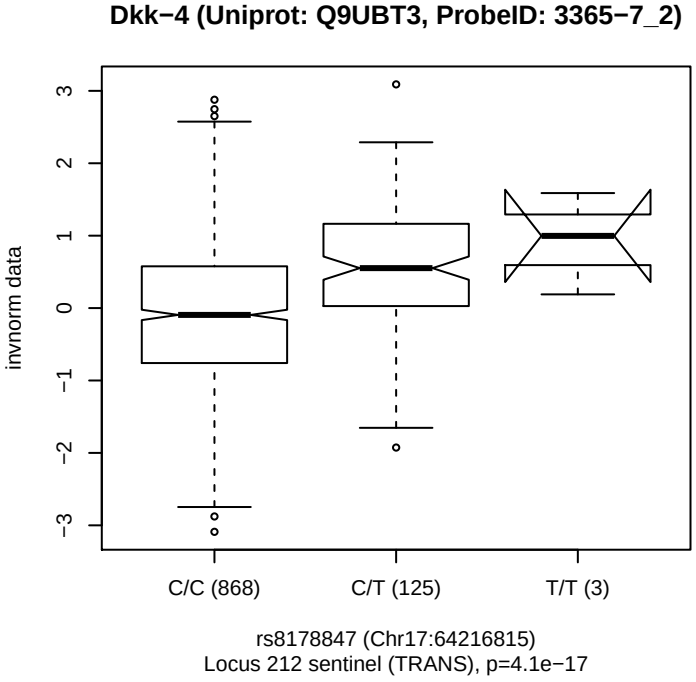

Dkk−4 (Uniprot: Q9UBT3, ProbeID: 3365−7_2)
Frequency
0
50
100
150
200
250
300
350
2000
4000
6000
8000
10000
12000
raw data
Dickkopf−related protein 4

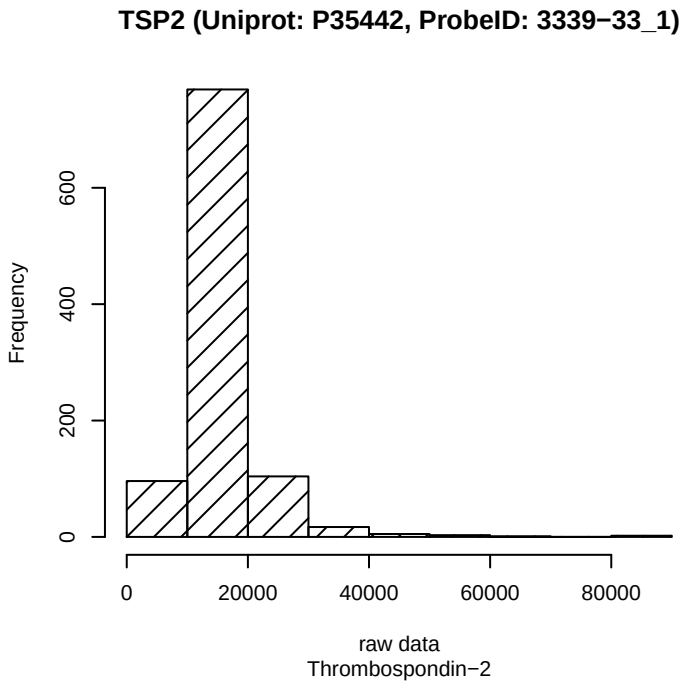

Dkk−4 (Uniprot: Q9UBT3, ProbeID: 3365−7_2)
raw data
4000
6000
8000
10000
12000
C/C (868)
C/T (125)
T/T (3)
rs8178847 (Chr17:64216815)
Locus 212 sentinel (TRANS), p=7.5e−16

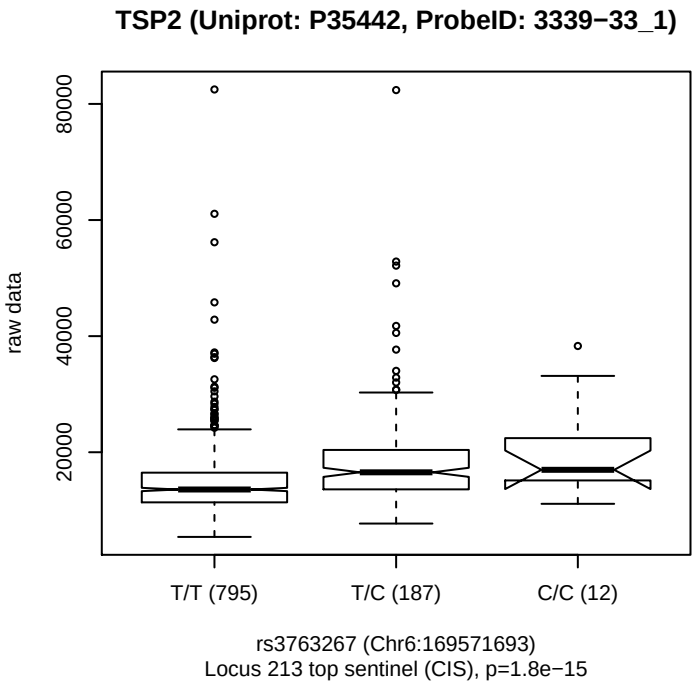

Dkk−4 (Uniprot: Q9UBT3, ProbeID: 3365−7_2)
Frequency
0
50
100
150
200
11.5
12.0
12.5
13.0
13.5
log2−scaled data
Dickkopf−related protein 4

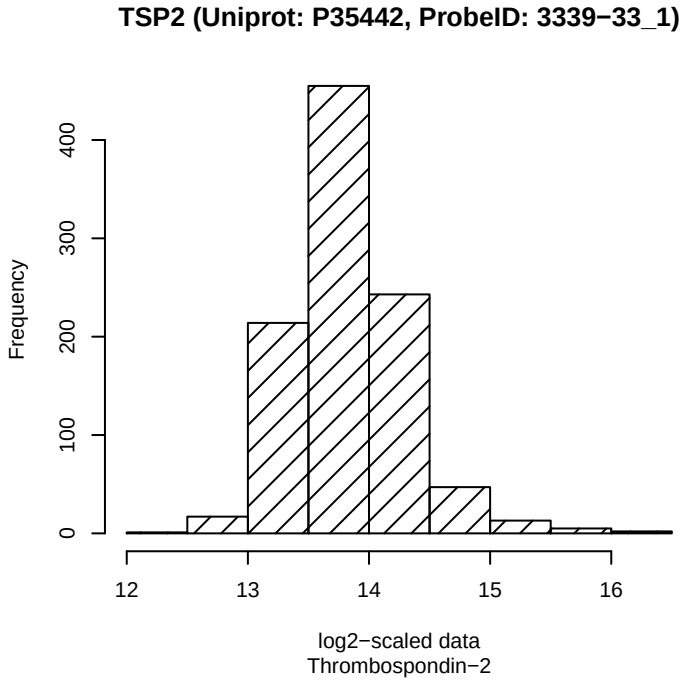

Dkk−4 (Uniprot: Q9UBT3, ProbeID: 3365−7_2)
log2−scaled data
11.5
12.0
12.5
13.0
13.5
C/C (868)
C/T (125)
T/T (3)
rs8178847 (Chr17:64216815)
Locus 212 sentinel (TRANS), p=4e−17, FC=1.1847

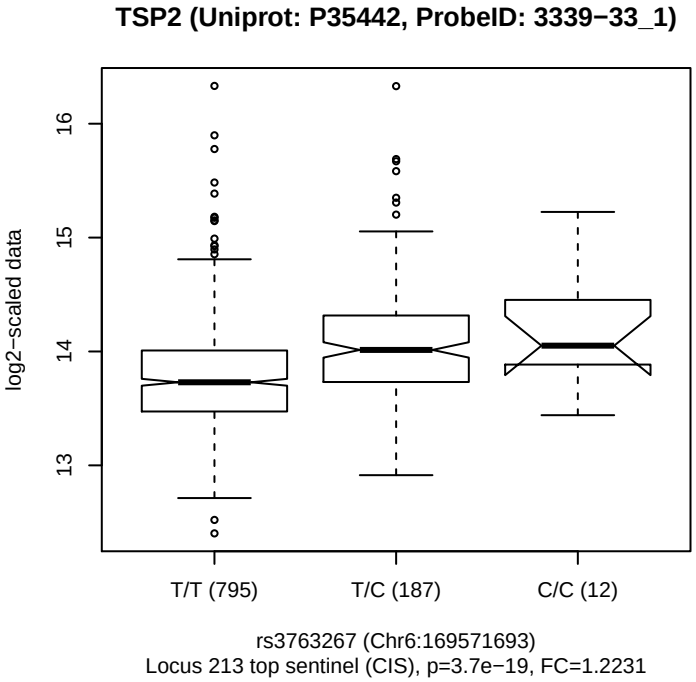

Dkk−4 (Uniprot: Q9UBT3, ProbeID: 3365−7_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Dickkopf−related protein 4

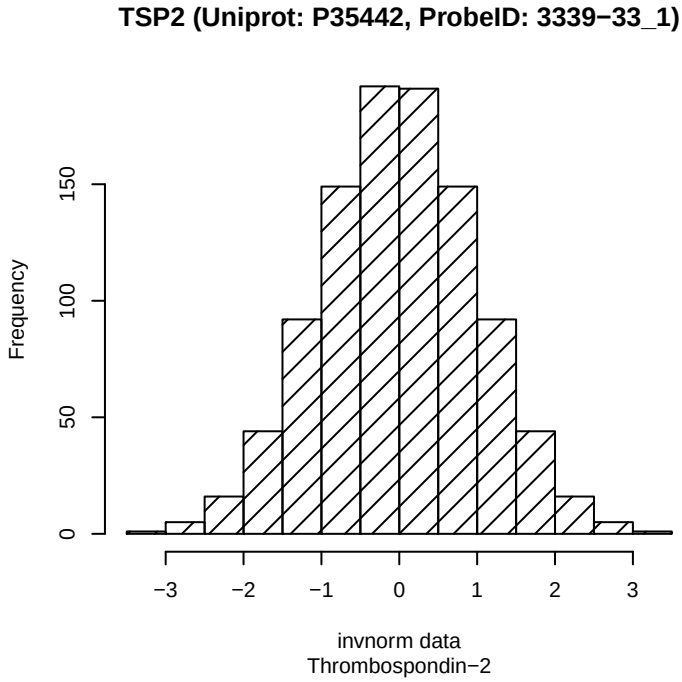

Dkk−4 (Uniprot: Q9UBT3, ProbeID: 3365−7_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (868)
C/T (125)
T/T (3)
rs8178847 (Chr17:64216815)
Locus 212 sentinel (TRANS), p=4.1e−17

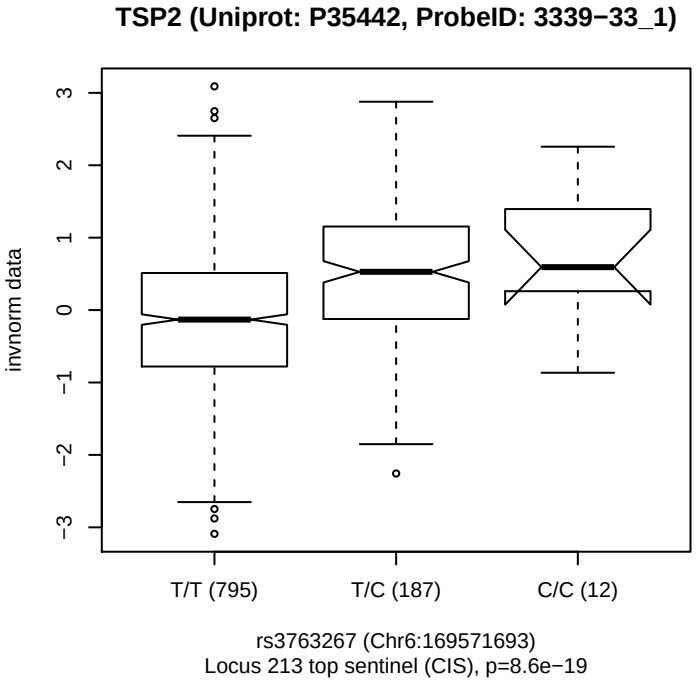

TSP2 (Uniprot: P35442, ProbeID: 3339−33_1)
Frequency
0
200
400
600
0
20000
40000
60000
80000
raw data
Thrombospondin−2

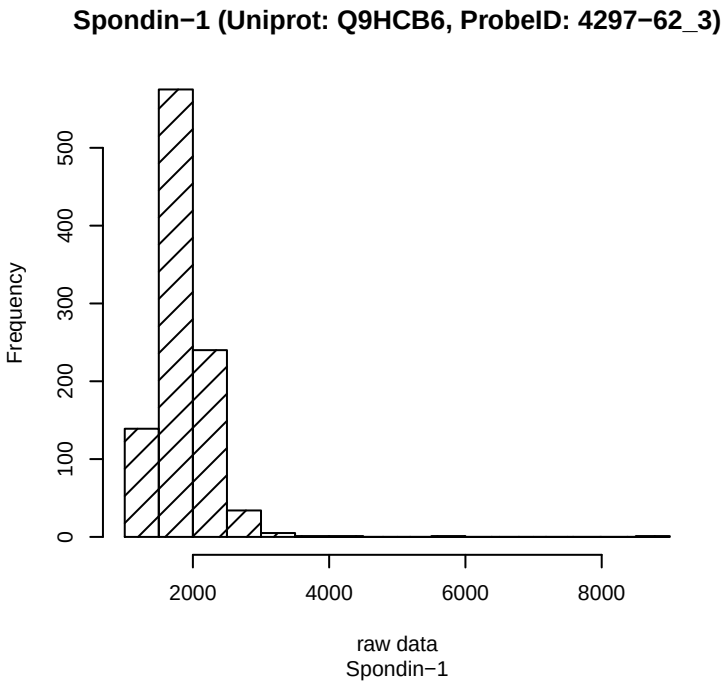

TSP2 (Uniprot: P35442, ProbeID: 3339−33_1)
raw data
20000
40000
60000
80000
T/T (795)
T/C (187)
C/C (12)
rs3763267 (Chr6:169571693)
Locus 213 top sentinel (CIS), p=1.8e−15

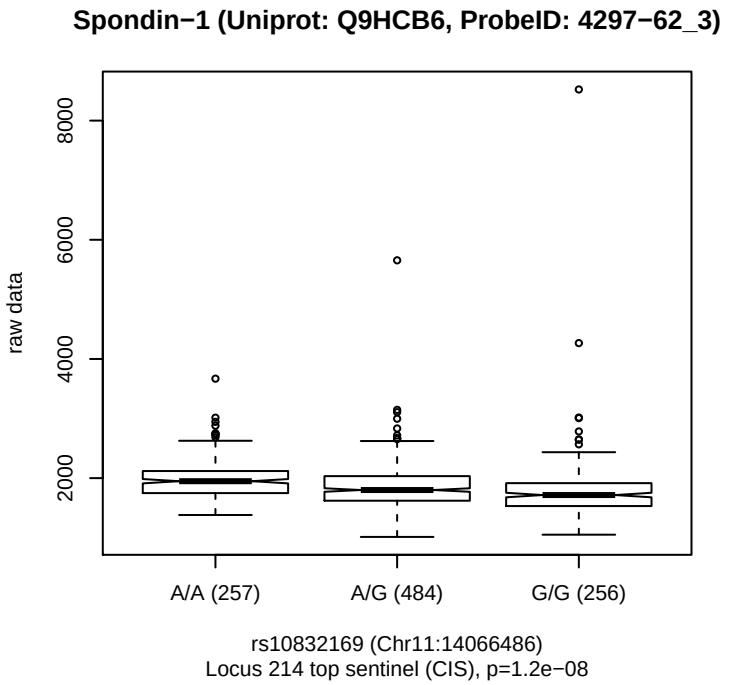

TSP2 (Uniprot: P35442, ProbeID: 3339−33_1)
Frequency
0
100
200
300
400
12
13
14
15
16
log2−scaled data
Thrombospondin−2

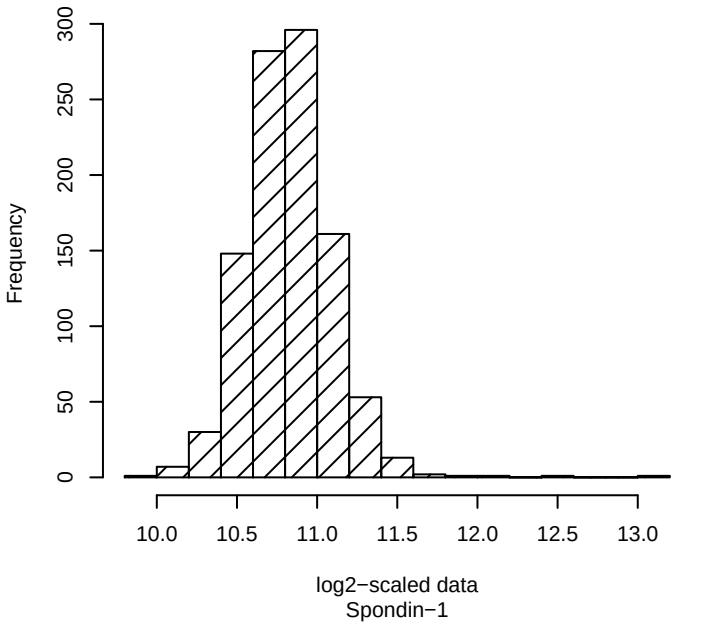

TSP2 (Uniprot: P35442, ProbeID: 3339−33_1)
log2−scaled data
13
14
15
16
T/T (795)
T/C (187)
C/C (12)
rs3763267 (Chr6:169571693)
Locus 213 top sentinel (CIS), p=3.7e−19, FC=1.2231

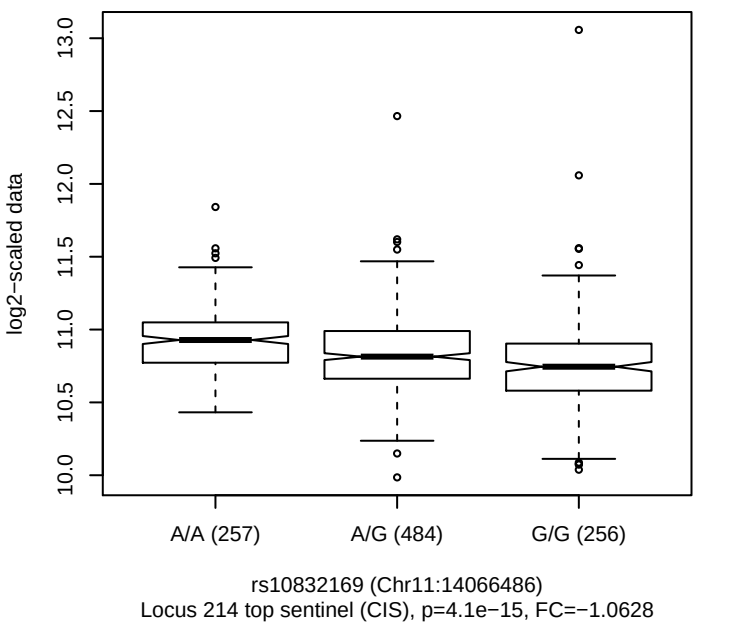

TSP2 (Uniprot: P35442, ProbeID: 3339−33_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Thrombospondin−2

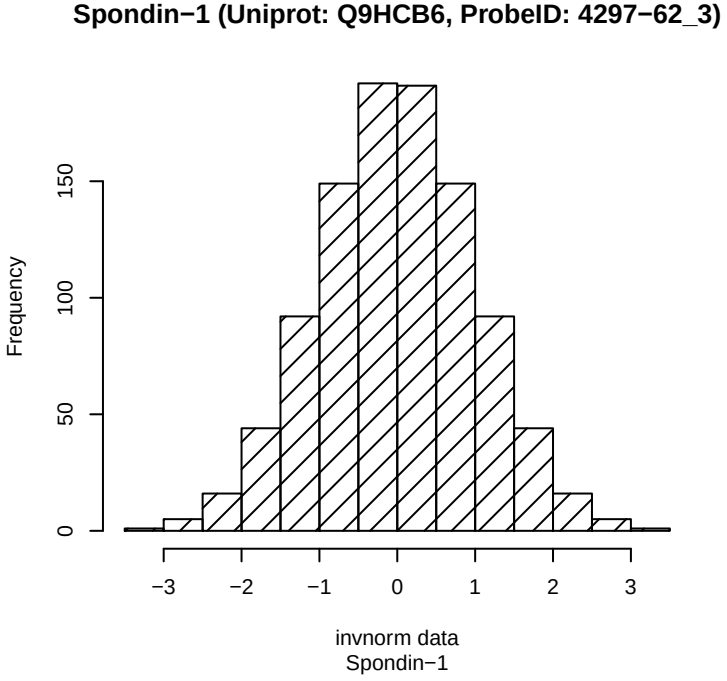

TSP2 (Uniprot: P35442, ProbeID: 3339−33_1)
invnorm data
−3
−2
−1
0
1
2
3
T/T (795)
T/C (187)
C/C (12)
rs3763267 (Chr6:169571693)
Locus 213 top sentinel (CIS), p=8.6e−19

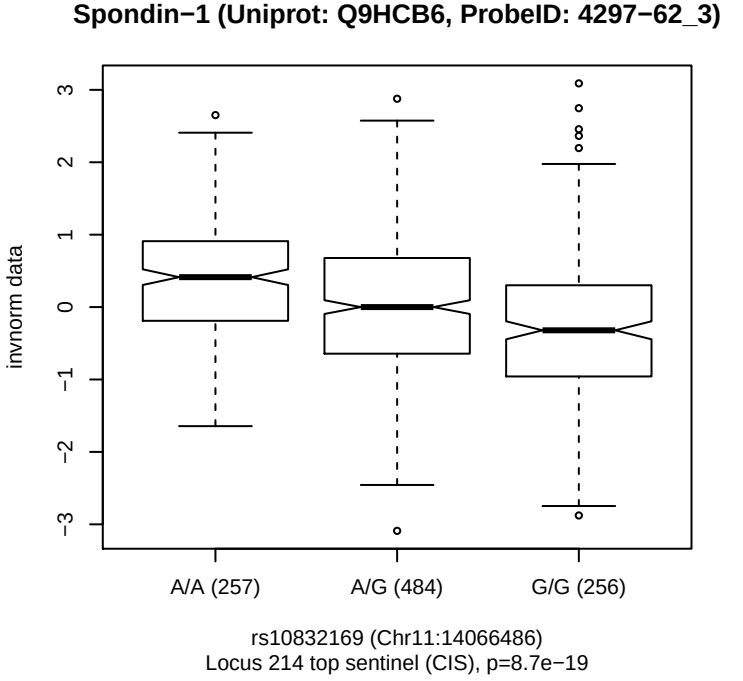

Spondin−1 (Uniprot: Q9HCB6, ProbeID: 4297−62_3)
Frequency
0
100
200
300
400
500
2000
4000
6000
8000
raw data
Spondin−1

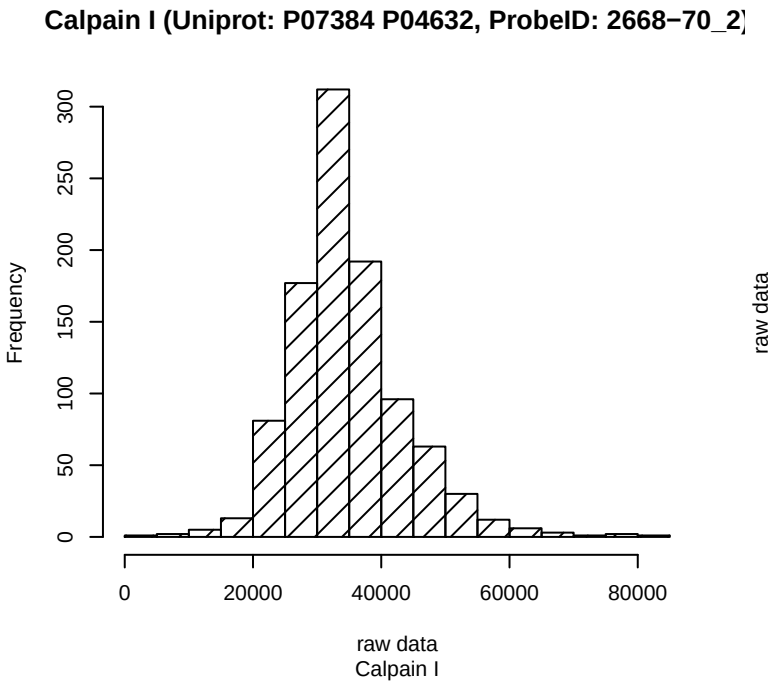

Spondin−1 (Uniprot: Q9HCB6, ProbeID: 4297−62_3)
raw data
2000
4000
6000
8000
A/A (257)
A/G (484)
G/G (256)
rs10832169 (Chr11:14066486)
Locus 214 top sentinel (CIS), p=1.2e−08

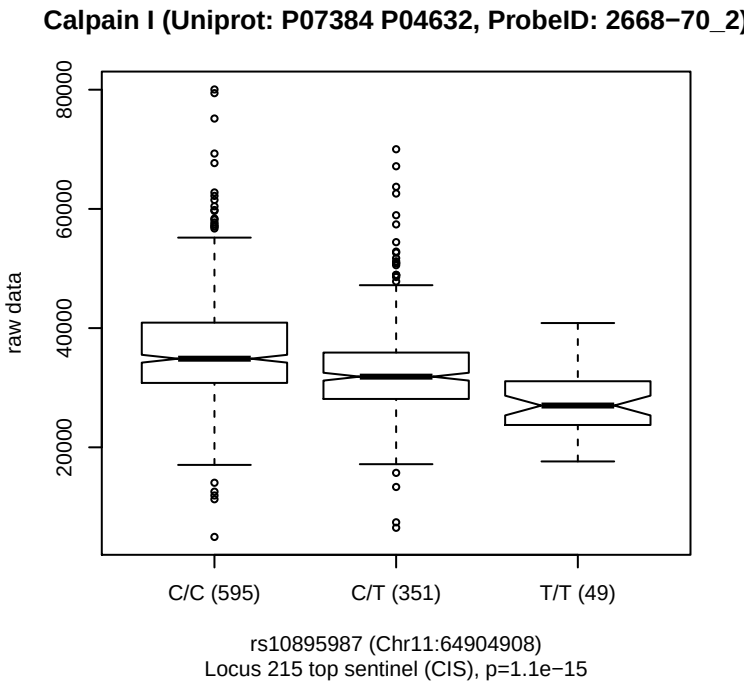

Spondin−1 (Uniprot: Q9HCB6, ProbeID: 4297−62_3)
Frequency
0
50
100
150
200
250
300
10.0
10.5
11.0
11.5
12.0
12.5
13.0
log2−scaled data
Spondin−1

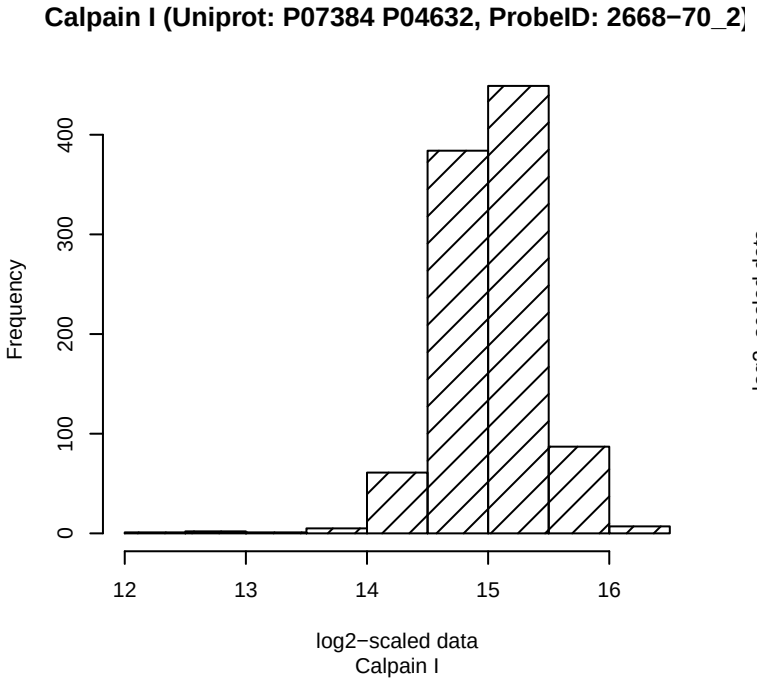

Spondin−1 (Uniprot: Q9HCB6, ProbeID: 4297−62_3)
log2−scaled data
10.0
10.5
11.0
11.5
12.0
12.5
13.0
A/A (257)
A/G (484)
G/G (256)
rs10832169 (Chr11:14066486)
Locus 214 top sentinel (CIS), p=4.1e−15, FC=−1.0628

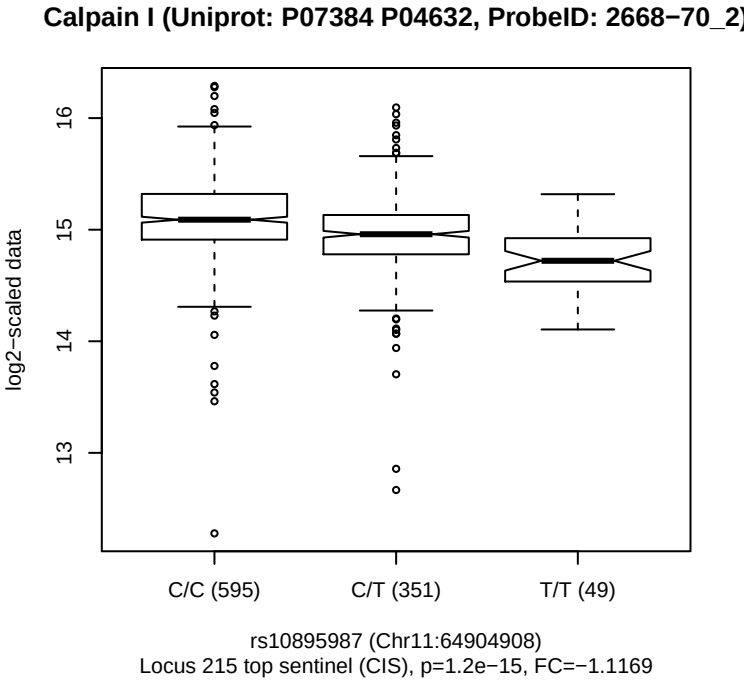

Spondin−1 (Uniprot: Q9HCB6, ProbeID: 4297−62_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Spondin−1

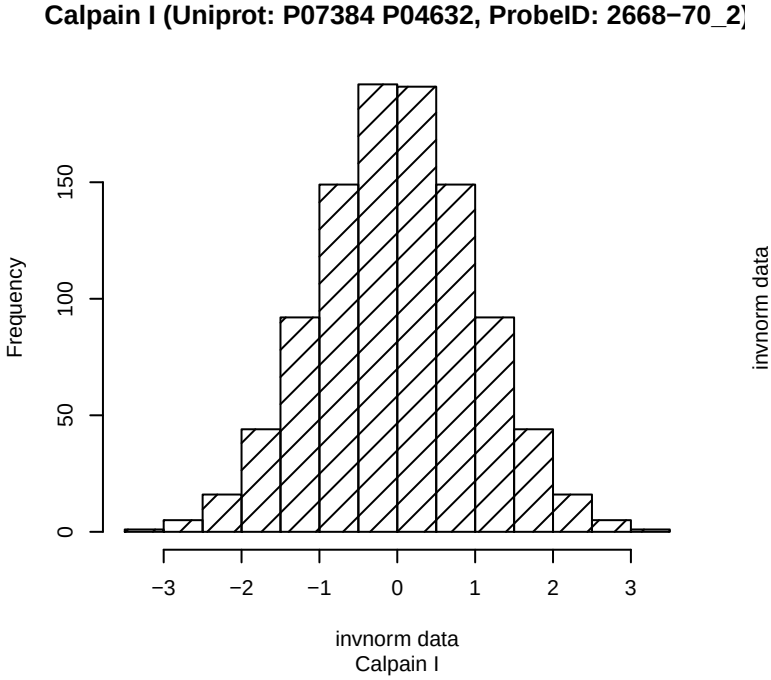

Spondin−1 (Uniprot: Q9HCB6, ProbeID: 4297−62_3)
invnorm data
−3
−2
−1
0
1
2
3
A/A (257)
A/G (484)
G/G (256)
rs10832169 (Chr11:14066486)
Locus 214 top sentinel (CIS), p=8.7e−19

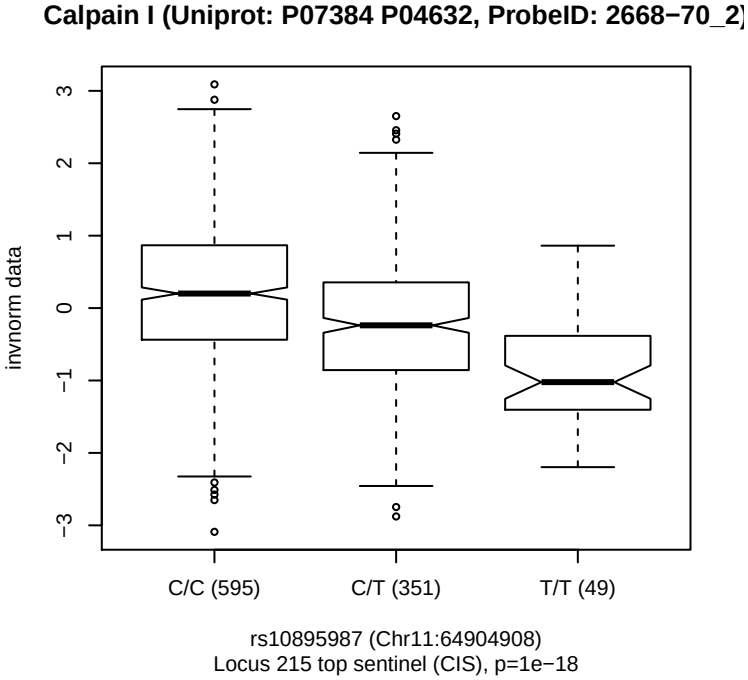

Calpain I (Uniprot: P07384 P04632, ProbeID: 2668−70_2)
Frequency
0
50
100
150
200
250
300
0
20000
40000
60000
80000
raw data
Calpain I

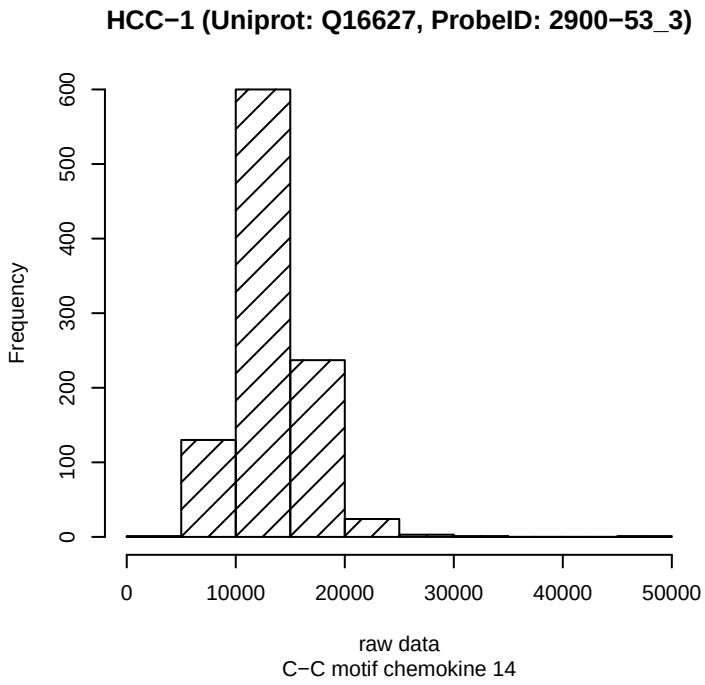

Calpain I (Uniprot: P07384 P04632, ProbeID: 2668−70_2)
raw data
20000
40000
60000
80000
C/C (595)
C/T (351)
T/T (49)
rs10895987 (Chr11:64904908)
Locus 215 top sentinel (CIS), p=1.1e−15

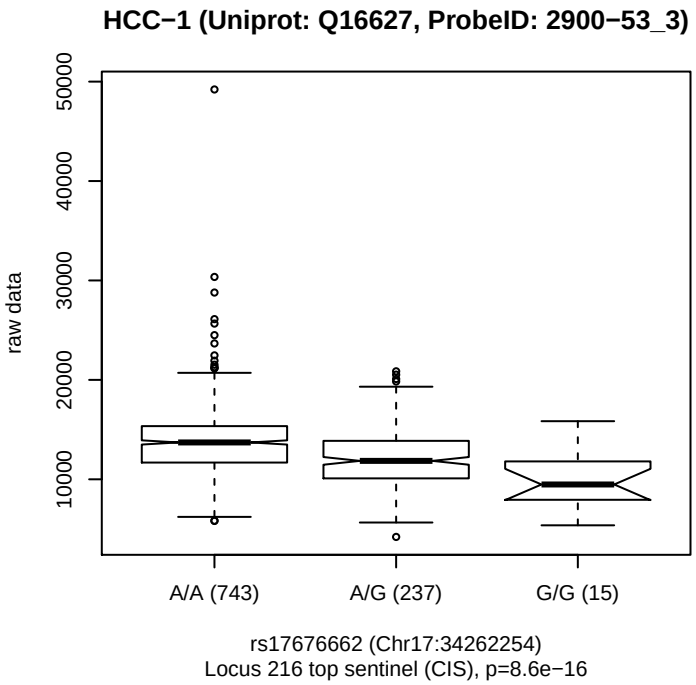

Calpain I (Uniprot: P07384 P04632, ProbeID: 2668−70_2)
Frequency
0
100
200
300
400
12
13
14
15
16
log2−scaled data
Calpain I

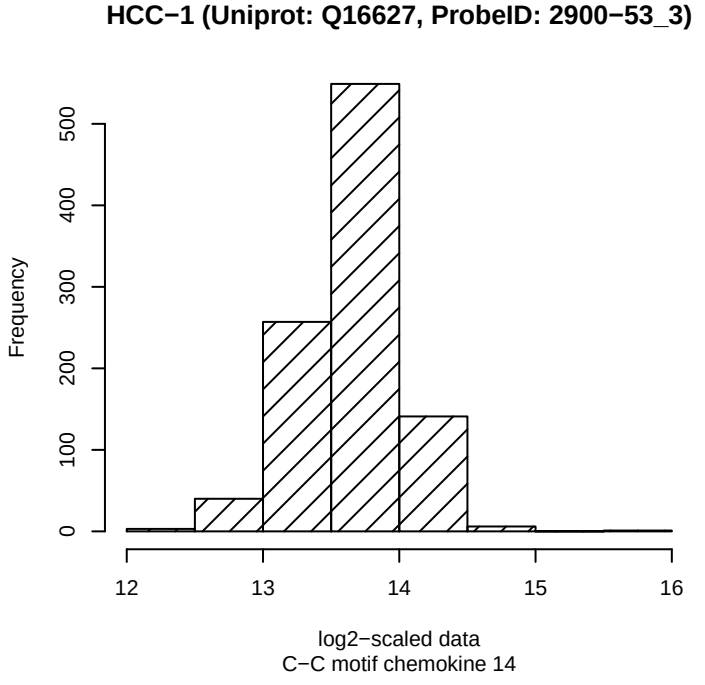

Calpain I (Uniprot: P07384 P04632, ProbeID: 2668−70_2)
log2−scaled data
13
14
15
16
C/C (595)
C/T (351)
T/T (49)
rs10895987 (Chr11:64904908)
Locus 215 top sentinel (CIS), p=1.2e−15, FC=−1.1169

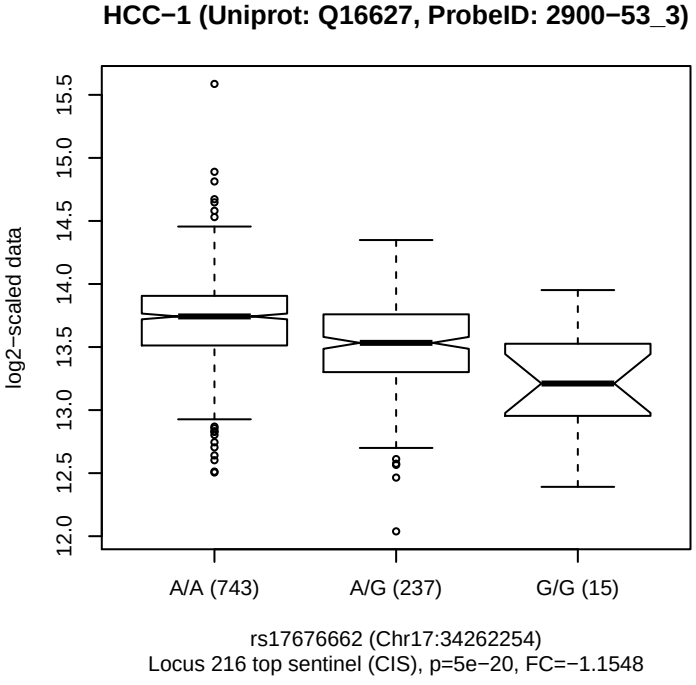

Calpain I (Uniprot: P07384 P04632, ProbeID: 2668−70_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Calpain I

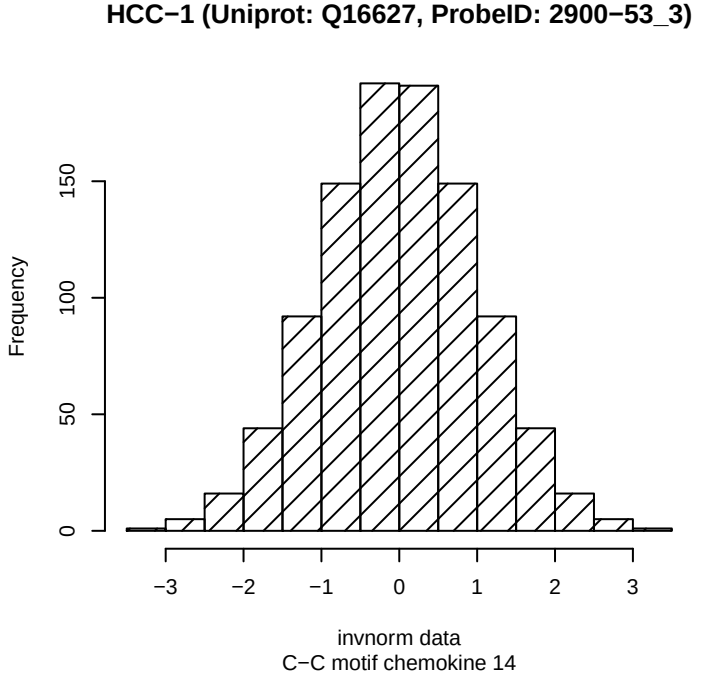

Calpain I (Uniprot: P07384 P04632, ProbeID: 2668−70_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (595)
C/T (351)
T/T (49)
rs10895987 (Chr11:64904908)
Locus 215 top sentinel (CIS), p=1e−18

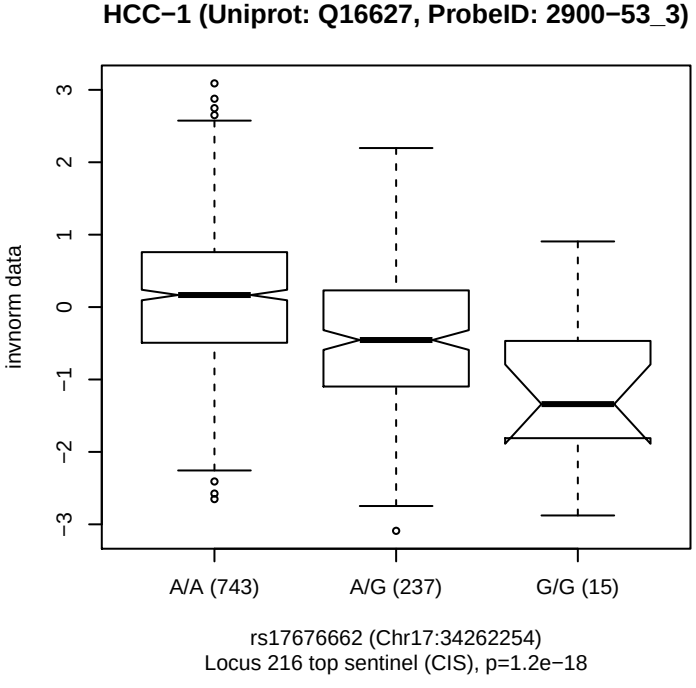

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
Frequency
0
100
200
300
400
500
600
0
10000
20000
30000
40000
50000
raw data
C−C motif chemokine 14

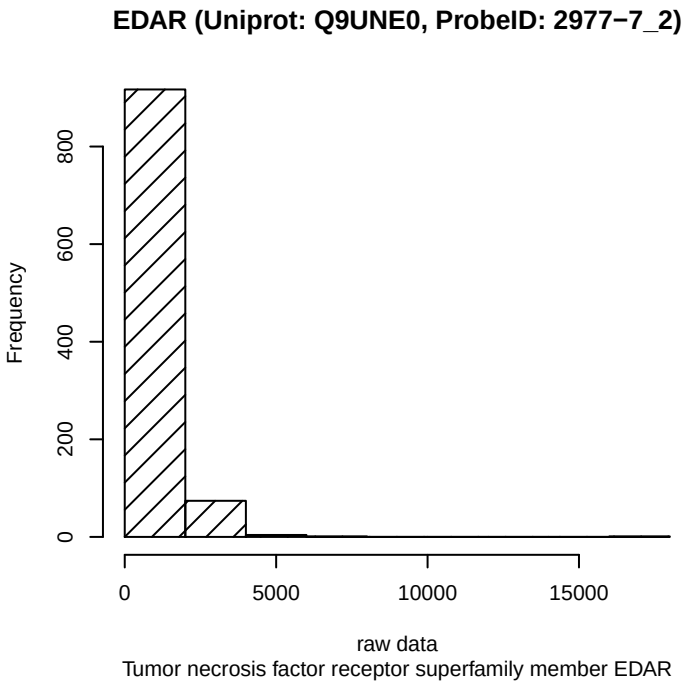

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
raw data
10000
20000
30000
40000
50000
A/A (743)
A/G (237)
G/G (15)
rs17676662 (Chr17:34262254)
Locus 216 top sentinel (CIS), p=8.6e−16

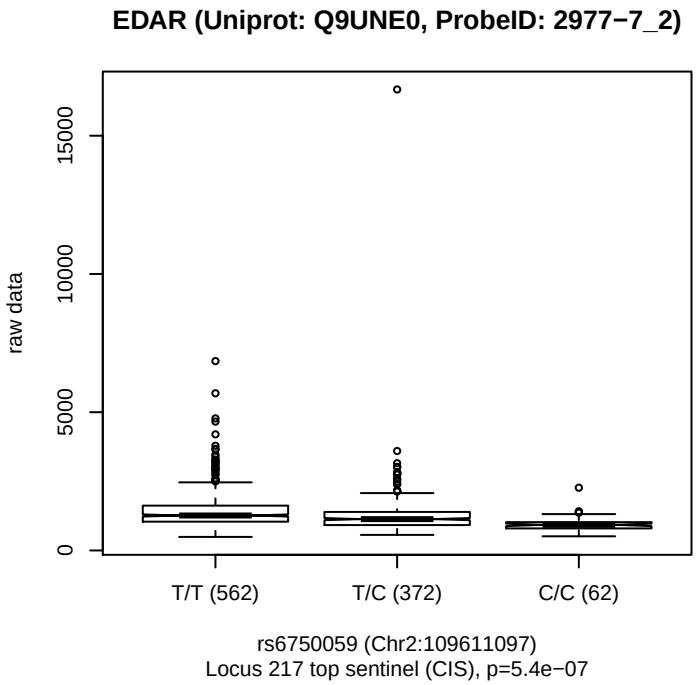

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
Frequency
0
100
200
300
400
500
12
13
14
15
16
log2−scaled data
C−C motif chemokine 14

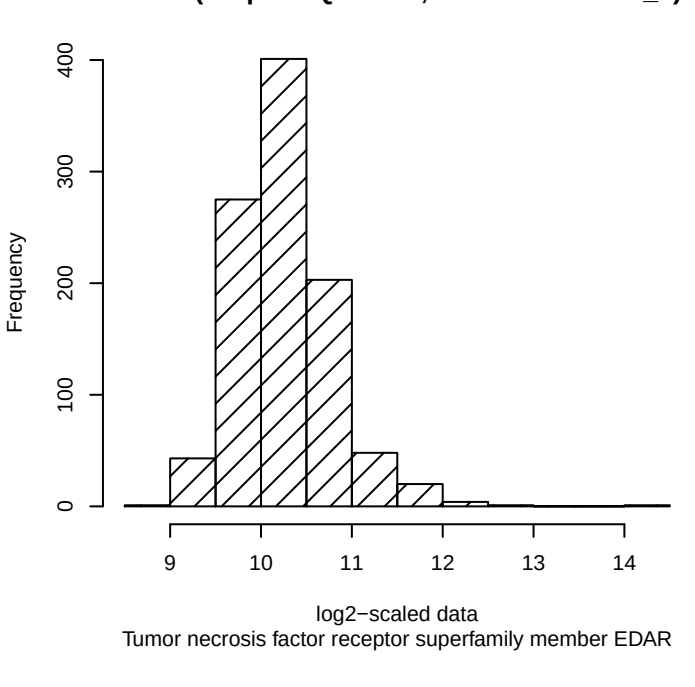

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
log2−scaled data
12.0
12.5
13.0
13.5
14.0
14.5
15.0
15.5
A/A (743)
A/G (237)
G/G (15)
rs17676662 (Chr17:34262254)
Locus 216 top sentinel (CIS), p=5e−20, FC=−1.1548

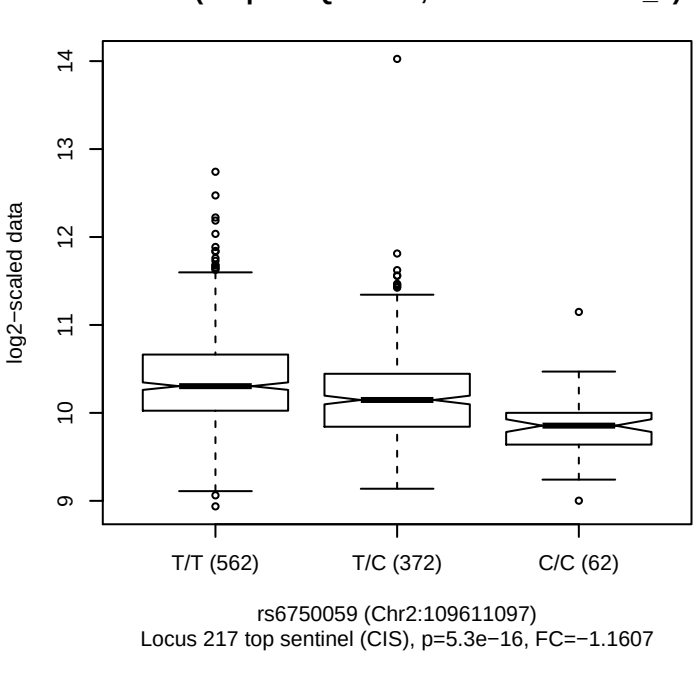

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 14

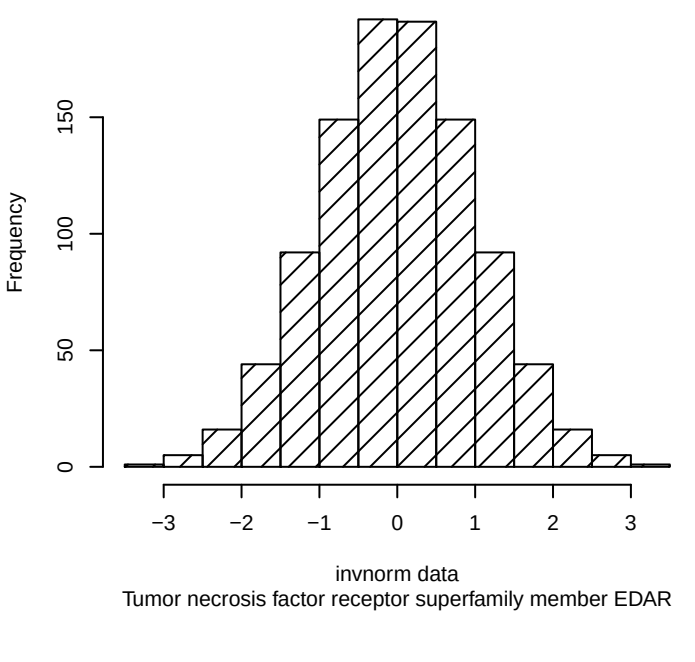

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
invnorm data
−3
−2
−1
0
1
2
3
A/A (743)
A/G (237)
G/G (15)
rs17676662 (Chr17:34262254)
Locus 216 top sentinel (CIS), p=1.2e−18

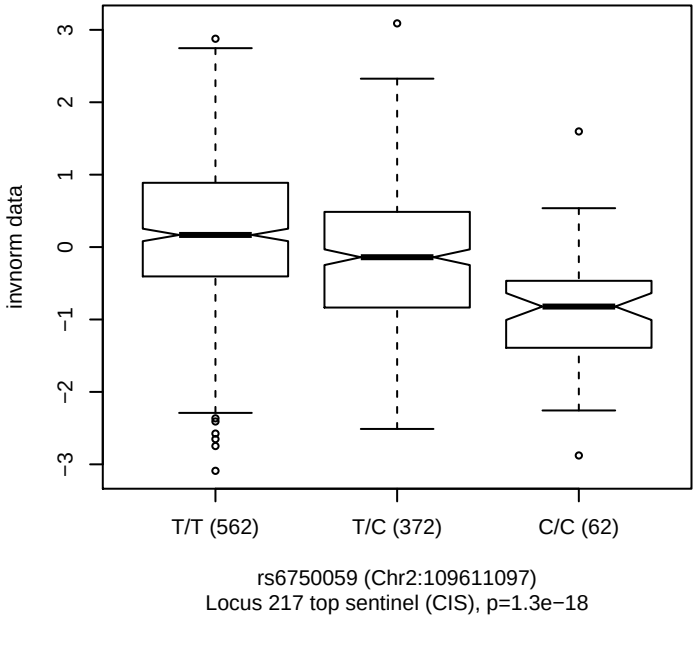

EDAR (Uniprot: Q9UNE0, ProbeID: 2977−7_2)
Frequency
0
200
400
600
800
0
5000
10000
15000
raw data
Tumor necrosis factor receptor superfamily member EDAR

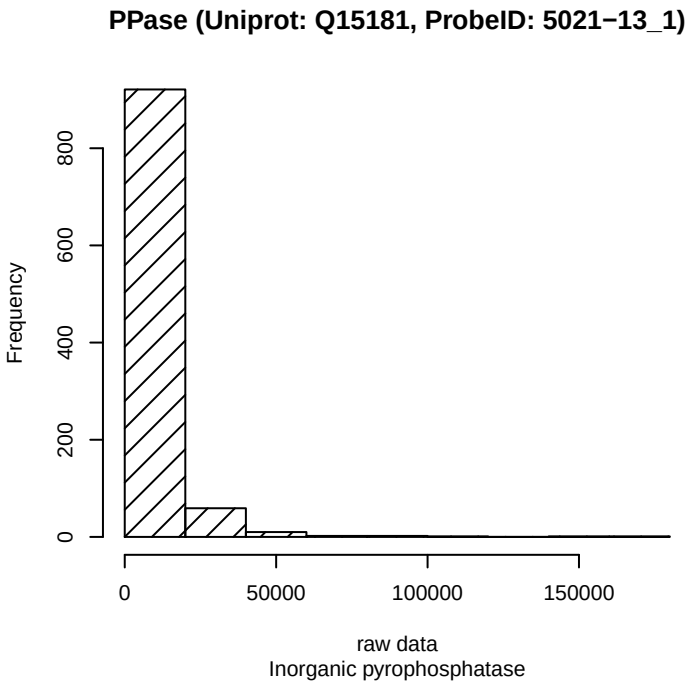

EDAR (Uniprot: Q9UNE0, ProbeID: 2977−7_2)
raw data
0
5000
10000
15000
T/T (562)
T/C (372)
C/C (62)
rs6750059 (Chr2:109611097)
Locus 217 top sentinel (CIS), p=5.4e−07

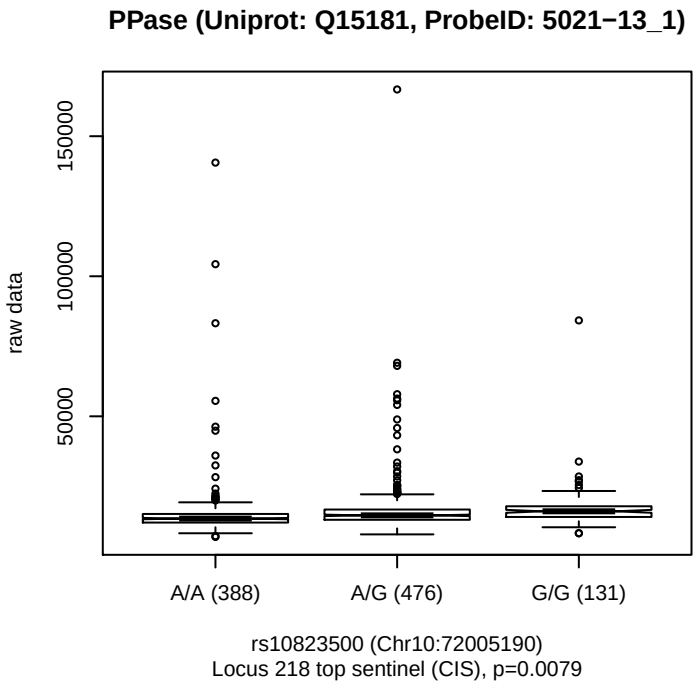

EDAR (Uniprot: Q9UNE0, ProbeID: 2977−7_2)
Frequency
0
100
200
300
400
9
10
11
12
13
14
log2−scaled data
Tumor necrosis factor receptor superfamily member EDAR

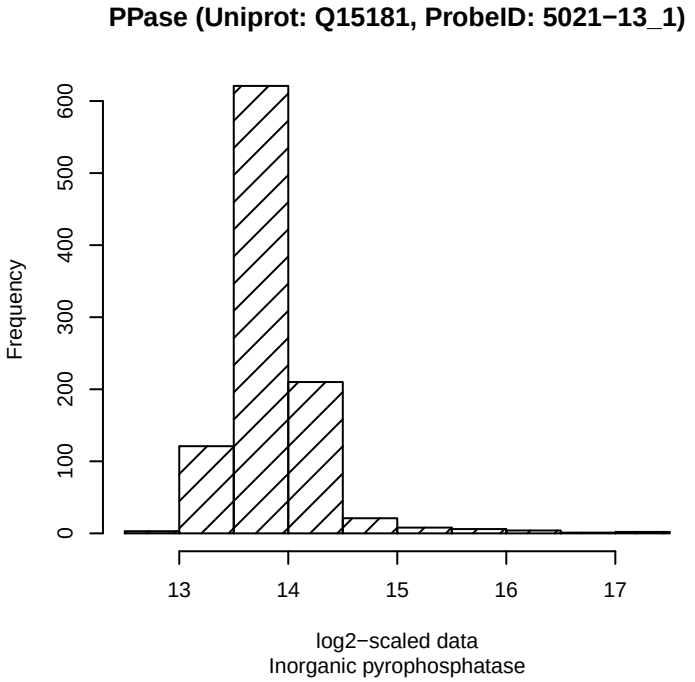

EDAR (Uniprot: Q9UNE0, ProbeID: 2977−7_2)
log2−scaled data
9
10
11
12
13
14
T/T (562)
T/C (372)
C/C (62)
rs6750059 (Chr2:109611097)
Locus 217 top sentinel (CIS), p=5.3e−16, FC=−1.1607

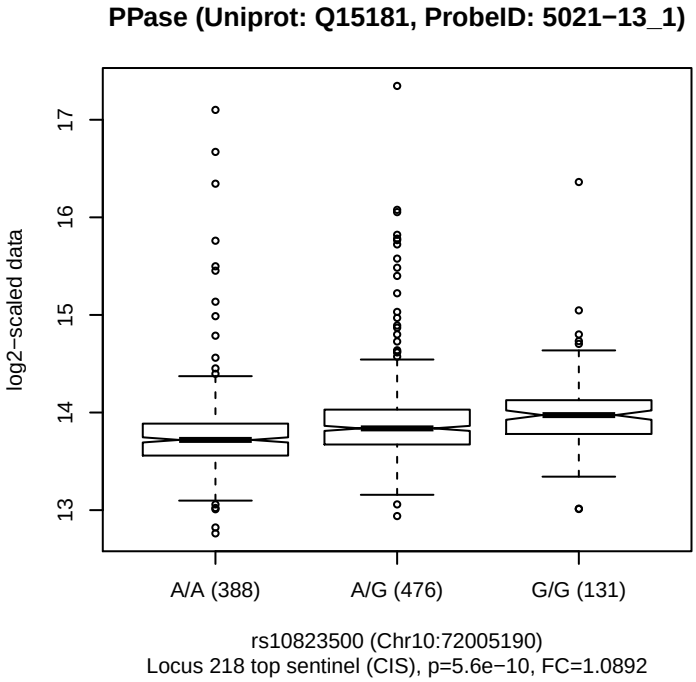

EDAR (Uniprot: Q9UNE0, ProbeID: 2977−7_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Tumor necrosis factor receptor superfamily member EDAR

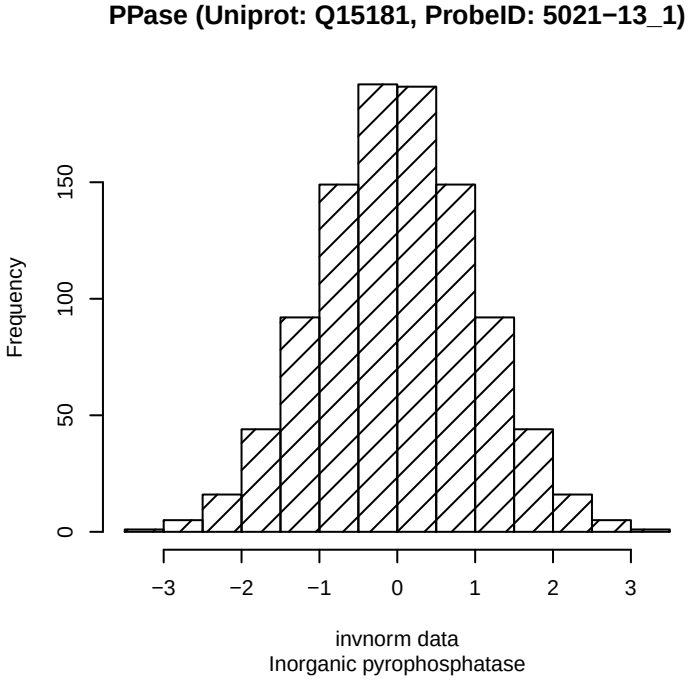

EDAR (Uniprot: Q9UNE0, ProbeID: 2977−7_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (562)
T/C (372)
C/C (62)
rs6750059 (Chr2:109611097)
Locus 217 top sentinel (CIS), p=1.3e−18

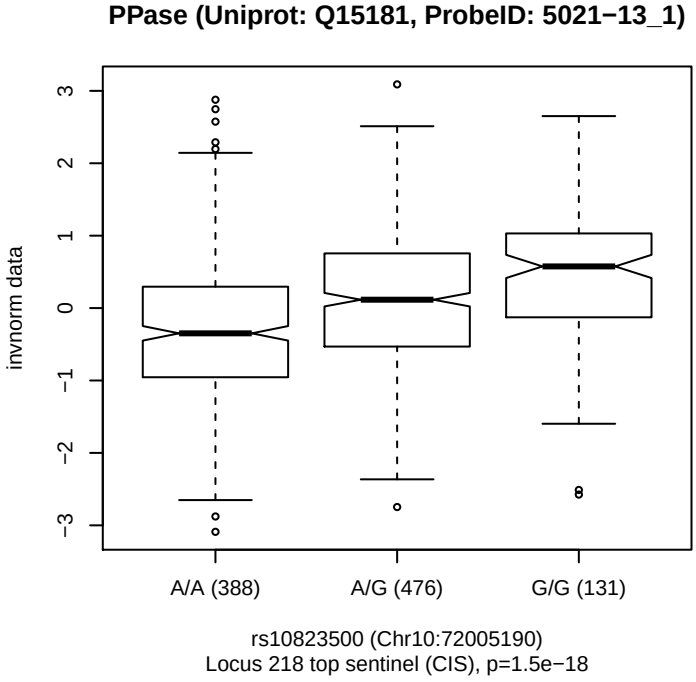

PPase (Uniprot: Q15181, ProbeID: 5021−13_1)
Frequency
0
200
400
600
800
0
50000
100000
150000
raw data
Inorganic pyrophosphatase

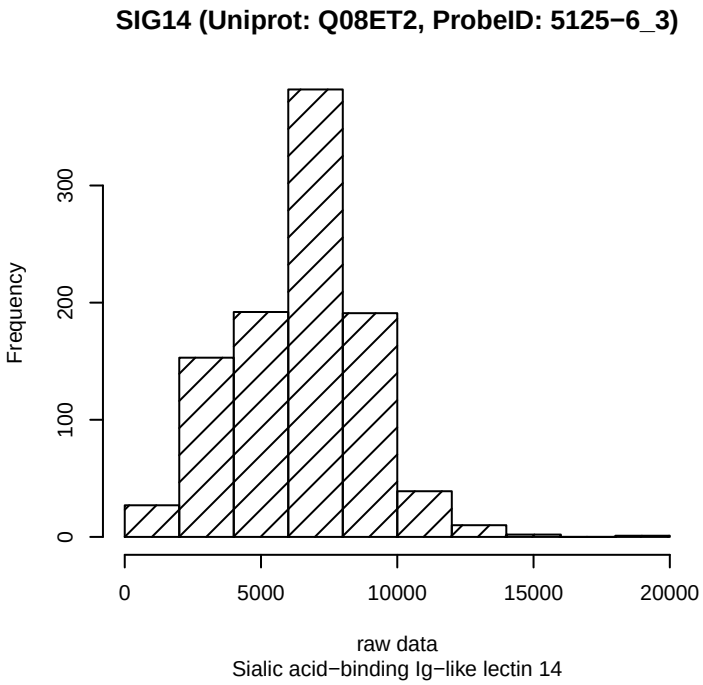

PPase (Uniprot: Q15181, ProbeID: 5021−13_1)
raw data
50000
100000
150000
A/A (388)
A/G (476)
G/G (131)
rs10823500 (Chr10:72005190)
Locus 218 top sentinel (CIS), p=0.0079

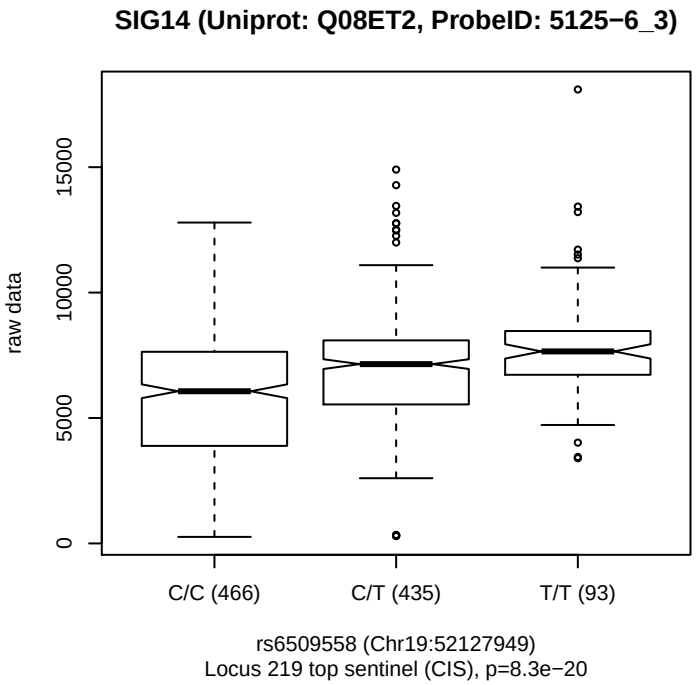

PPase (Uniprot: Q15181, ProbeID: 5021−13_1)
Frequency
0
100
200
300
400
500
600
13
14
15
16
17
log2−scaled data
Inorganic pyrophosphatase

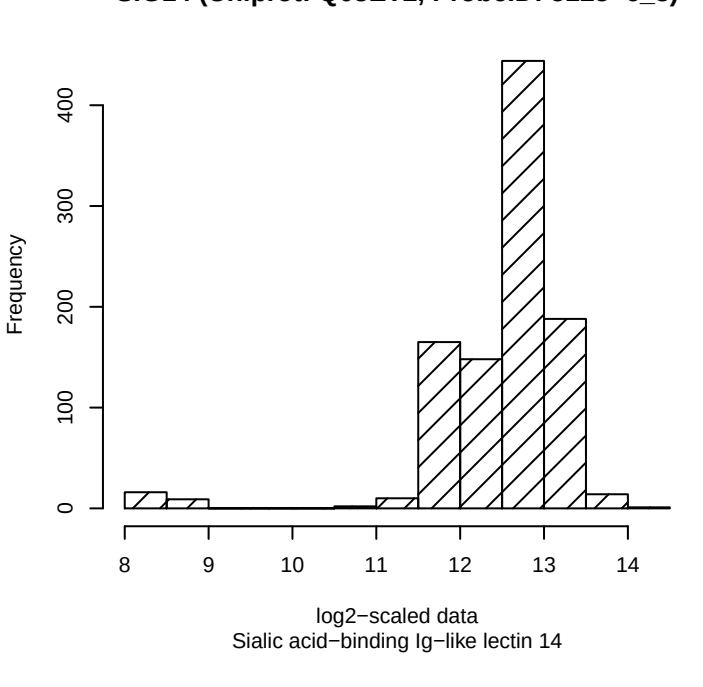

PPase (Uniprot: Q15181, ProbeID: 5021−13_1)
log2−scaled data
13
14
15
16
17
A/A (388)
A/G (476)
G/G (131)
rs10823500 (Chr10:72005190)
Locus 218 top sentinel (CIS), p=5.6e−10, FC=1.0892

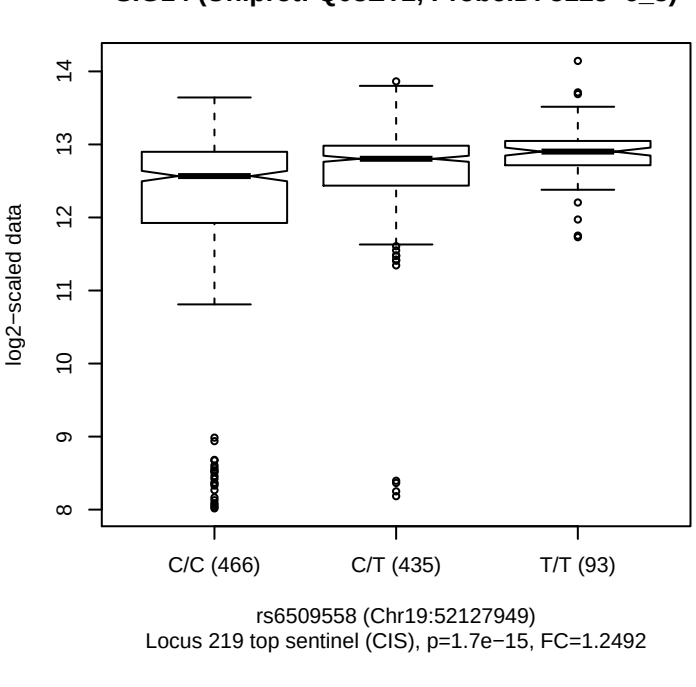

PPase (Uniprot: Q15181, ProbeID: 5021−13_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Inorganic pyrophosphatase

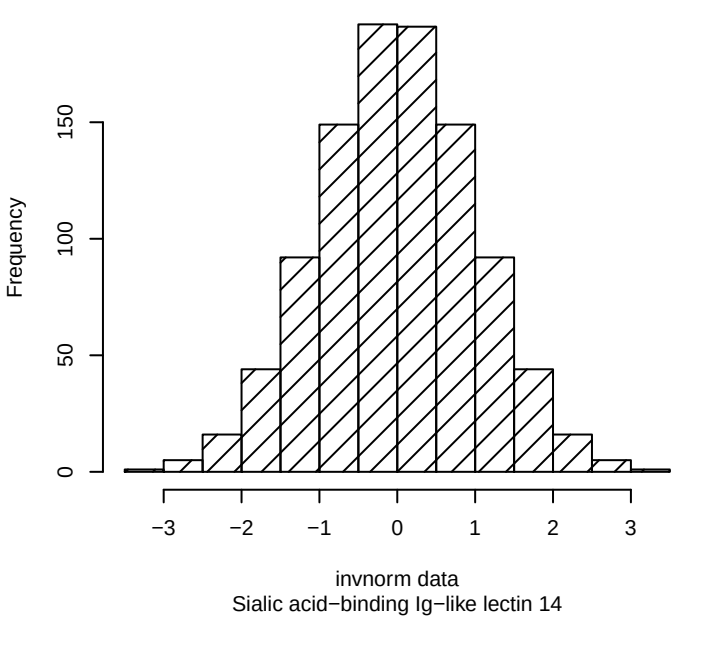

PPase (Uniprot: Q15181, ProbeID: 5021−13_1)
invnorm data
−3
−2
−1
0
1
2
3
A/A (388)
A/G (476)
G/G (131)
rs10823500 (Chr10:72005190)
Locus 218 top sentinel (CIS), p=1.5e−18

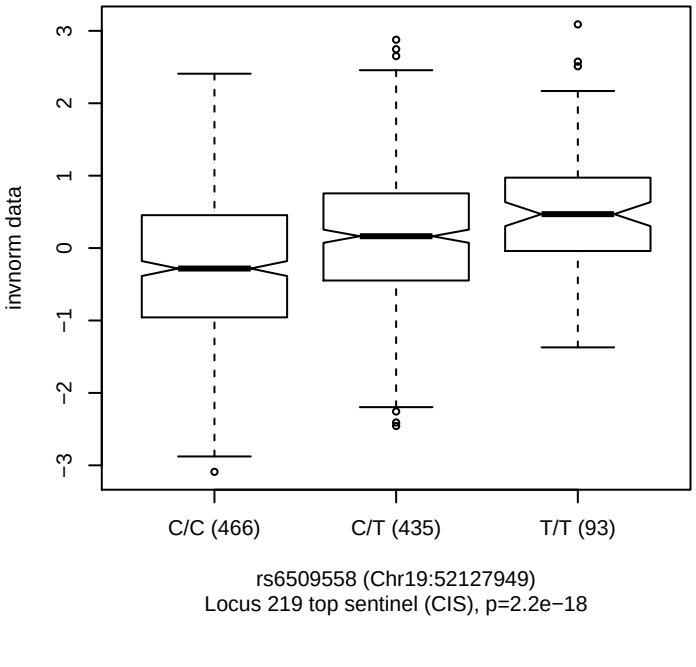

SIG14 (Uniprot: Q08ET2, ProbeID: 5125−6_3)
Frequency
0
100
200
300
0
5000
10000
15000
20000
raw data
Sialic acid−binding Ig−like lectin 14

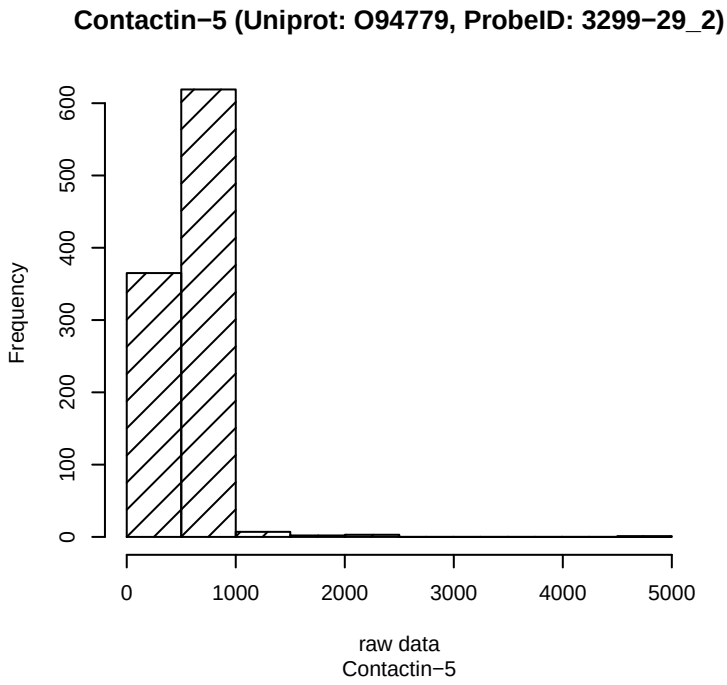

SIG14 (Uniprot: Q08ET2, ProbeID: 5125−6_3)
raw data
0
5000
10000
15000
C/C (466)
C/T (435)
T/T (93)
rs6509558 (Chr19:52127949)
Locus 219 top sentinel (CIS), p=8.3e−20

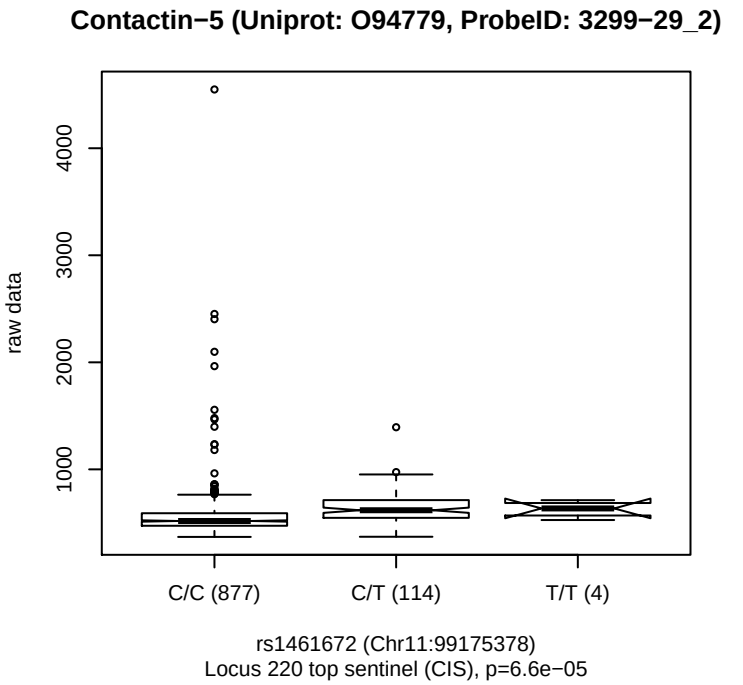

SIG14 (Uniprot: Q08ET2, ProbeID: 5125−6_3)
Frequency
0
100
200
300
400
8
9
10
11
12
13
14
log2−scaled data
Sialic acid−binding Ig−like lectin 14

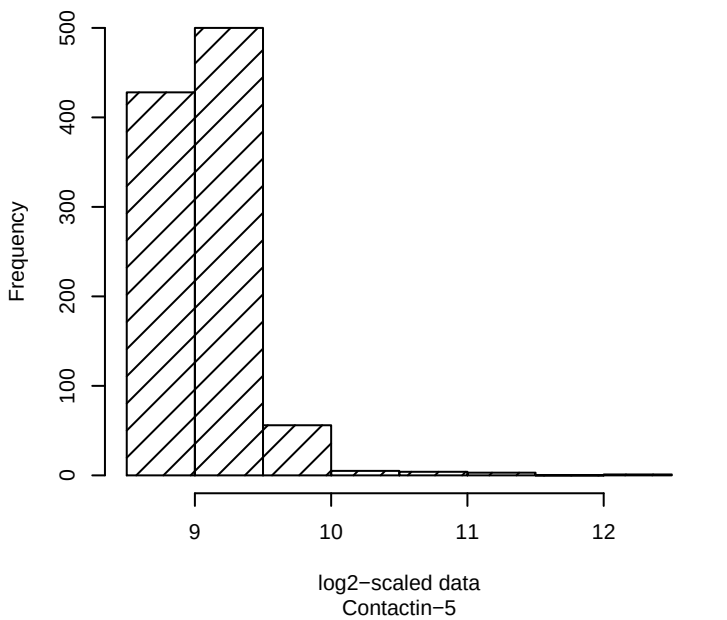

SIG14 (Uniprot: Q08ET2, ProbeID: 5125−6_3)
log2−scaled data
8
9
10
11
12
13
14
C/C (466)
C/T (435)
T/T (93)
rs6509558 (Chr19:52127949)
Locus 219 top sentinel (CIS), p=1.7e−15, FC=1.2492

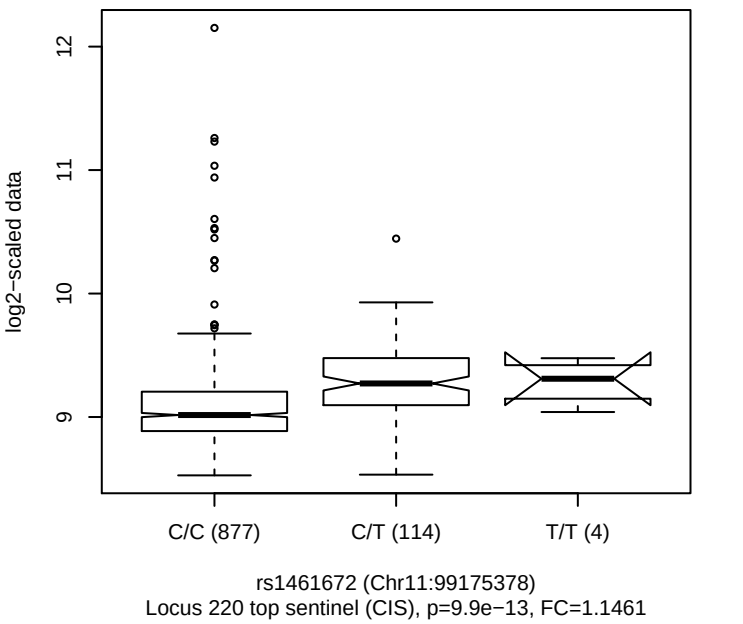

SIG14 (Uniprot: Q08ET2, ProbeID: 5125−6_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Sialic acid−binding Ig−like lectin 14

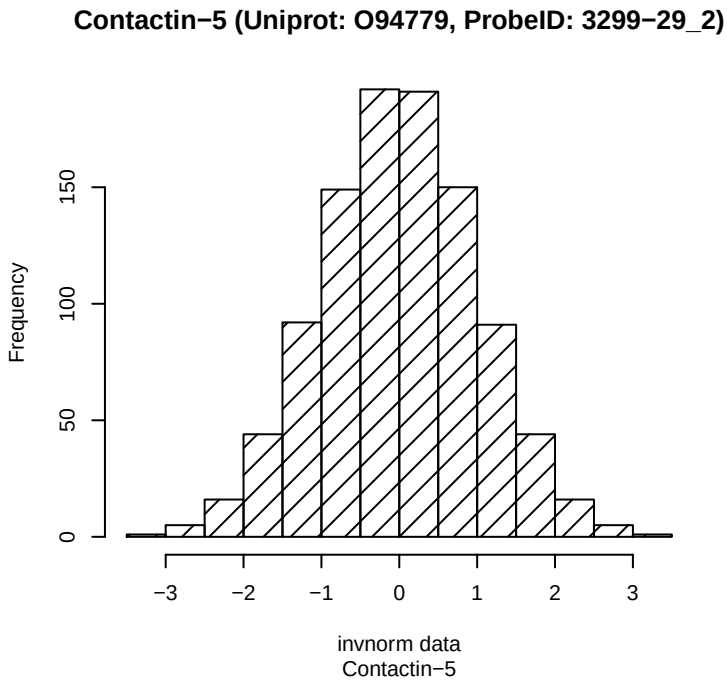

SIG14 (Uniprot: Q08ET2, ProbeID: 5125−6_3)
invnorm data
−3
−2
−1
0
1
2
3
C/C (466)
C/T (435)
T/T (93)
rs6509558 (Chr19:52127949)
Locus 219 top sentinel (CIS), p=2.2e−18

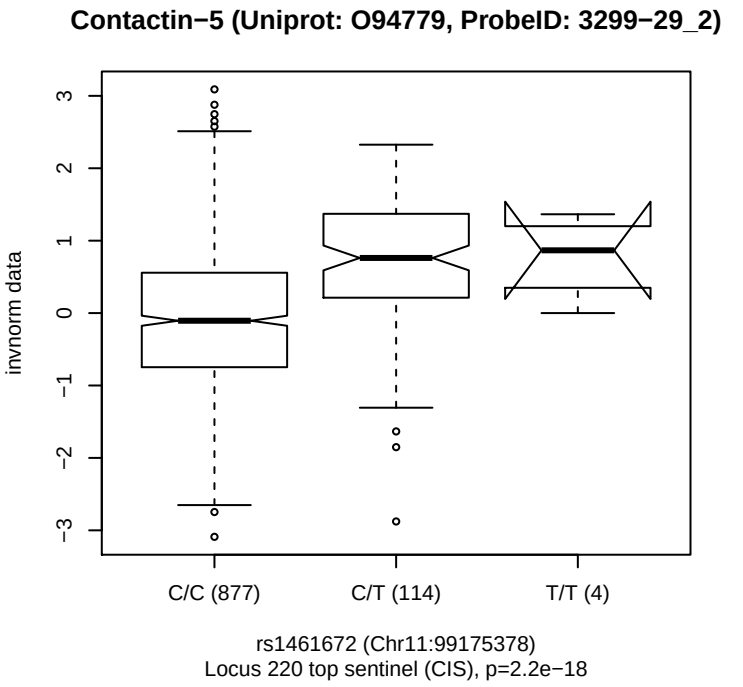

Contactin−5 (Uniprot: O94779, ProbeID: 3299−29_2)
Frequency
0
100
200
300
400
500
600
0
1000
2000
3000
4000
5000
raw data
Contactin−5

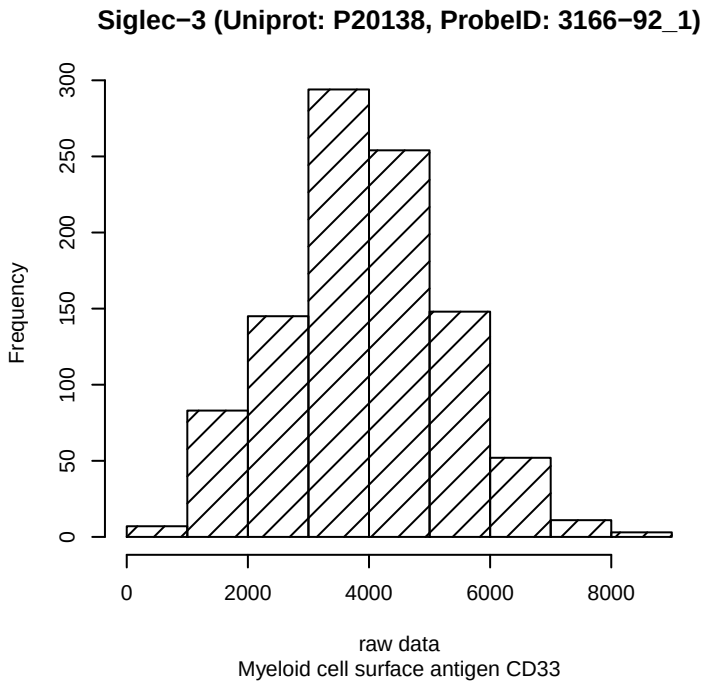

Contactin−5 (Uniprot: O94779, ProbeID: 3299−29_2)
raw data
1000
2000
3000
4000
C/C (877)
C/T (114)
T/T (4)
rs1461672 (Chr11:99175378)
Locus 220 top sentinel (CIS), p=6.6e−05

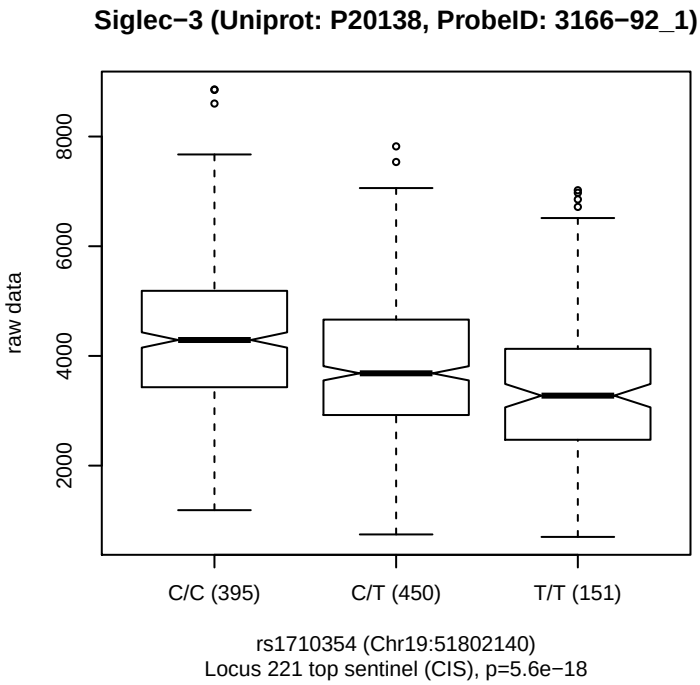

Contactin−5 (Uniprot: O94779, ProbeID: 3299−29_2)
Frequency
0
100
200
300
400
500
9
10
11
12
log2−scaled data
Contactin−5

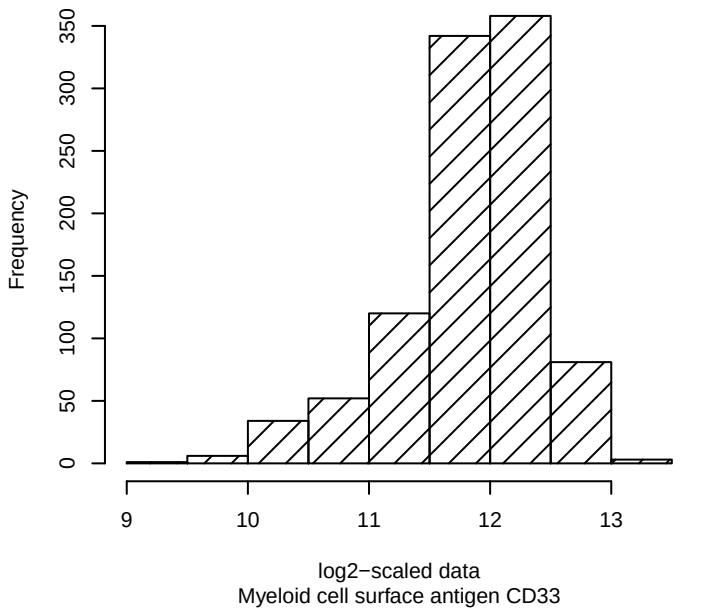

Contactin−5 (Uniprot: O94779, ProbeID: 3299−29_2)
log2−scaled data
9
10
11
12
C/C (877)
C/T (114)
T/T (4)
rs1461672 (Chr11:99175378)
Locus 220 top sentinel (CIS), p=9.9e−13, FC=1.1461

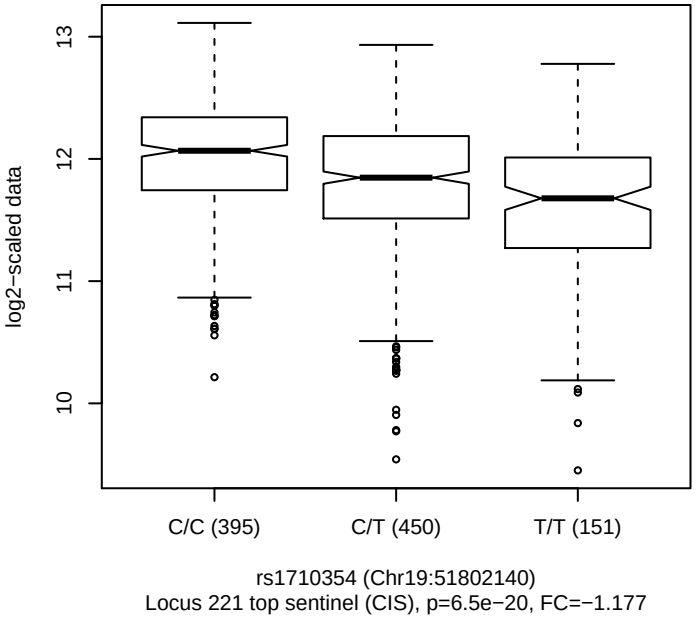

Contactin−5 (Uniprot: O94779, ProbeID: 3299−29_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Contactin−5

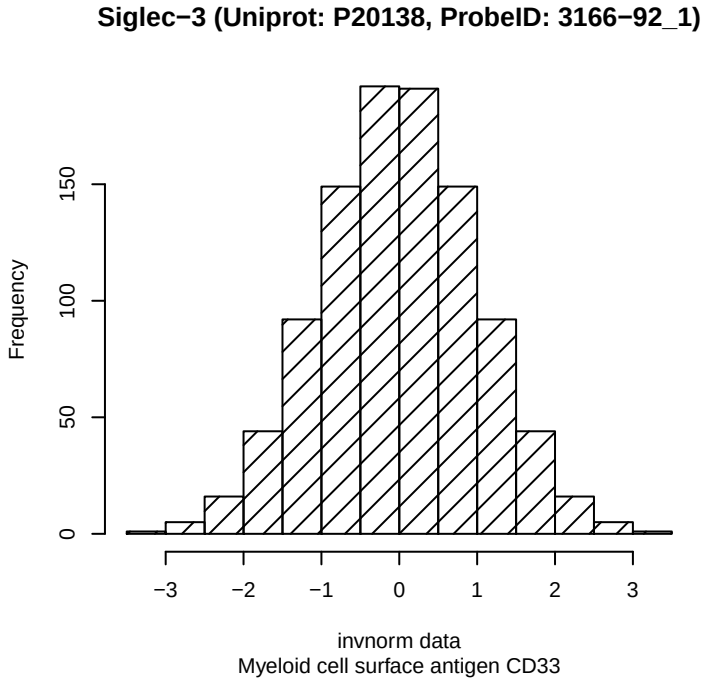

Contactin−5 (Uniprot: O94779, ProbeID: 3299−29_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (877)
C/T (114)
T/T (4)
rs1461672 (Chr11:99175378)
Locus 220 top sentinel (CIS), p=2.2e−18

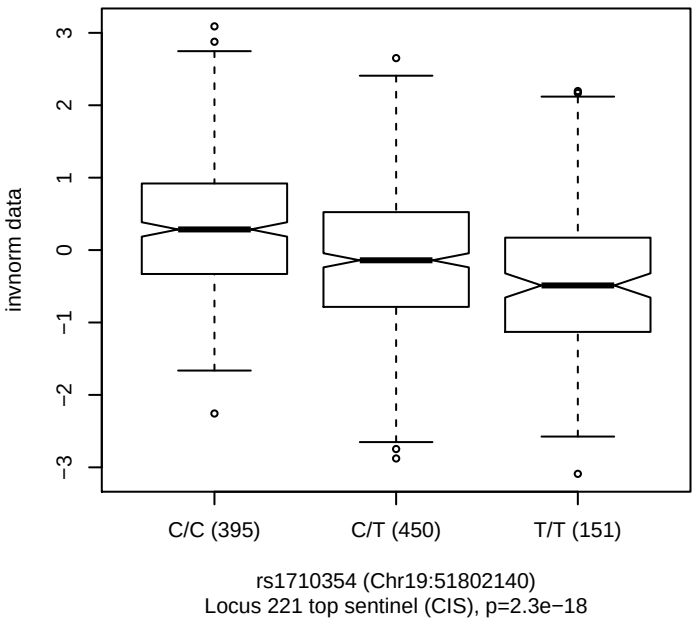

Siglec−3 (Uniprot: P20138, ProbeID: 3166−92_1)
Frequency
0
50
100
150
200
250
300
0
2000
4000
6000
8000
raw data
Myeloid cell surface antigen CD33

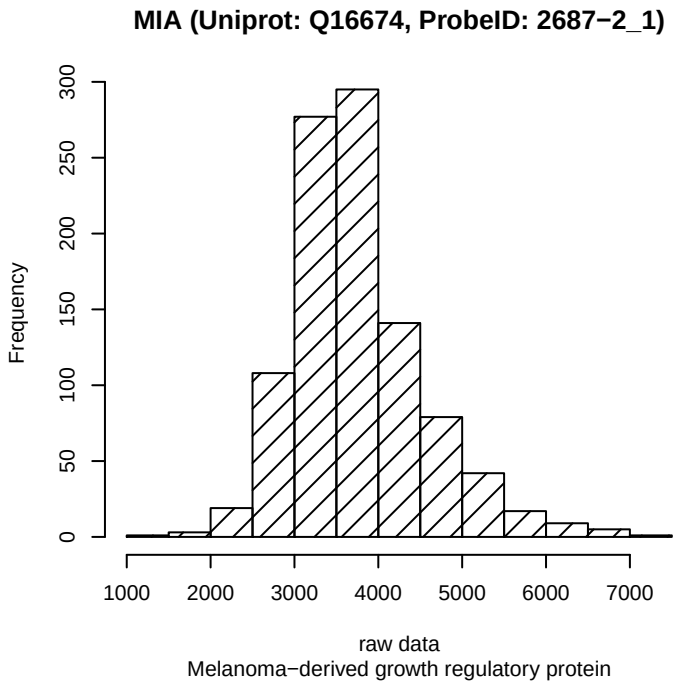

Siglec−3 (Uniprot: P20138, ProbeID: 3166−92_1)
raw data
2000
4000
6000
8000
C/C (395)
C/T (450)
T/T (151)
rs1710354 (Chr19:51802140)
Locus 221 top sentinel (CIS), p=5.6e−18

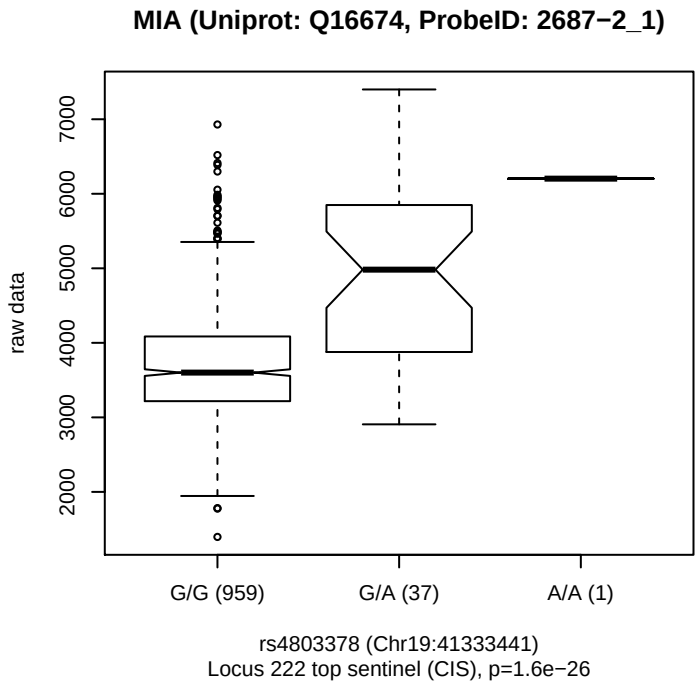

Siglec−3 (Uniprot: P20138, ProbeID: 3166−92_1)
Frequency
0
50
100
150
200
250
300
350
9
10
11
12
13
log2−scaled data
Myeloid cell surface antigen CD33

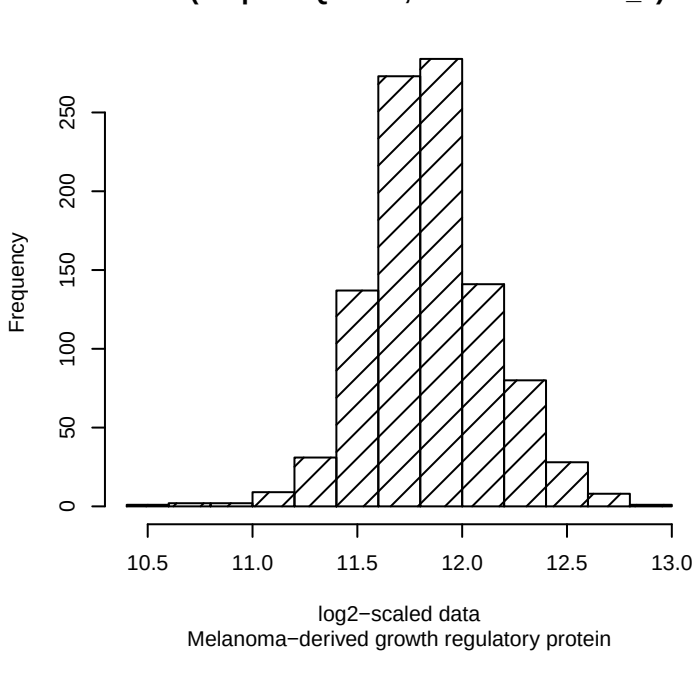

Siglec−3 (Uniprot: P20138, ProbeID: 3166−92_1)
log2−scaled data
10
11
12
13
C/C (395)
C/T (450)
T/T (151)
rs1710354 (Chr19:51802140)
Locus 221 top sentinel (CIS), p=6.5e−20, FC=−1.177

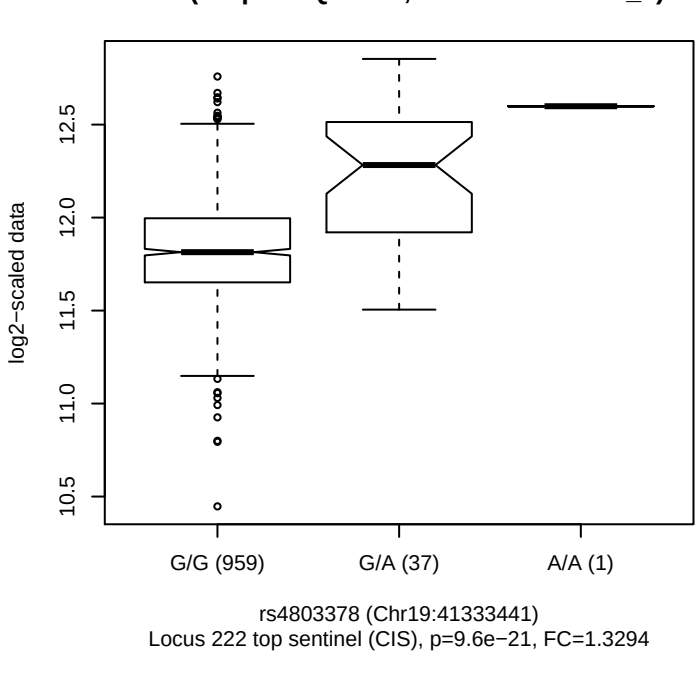

Siglec−3 (Uniprot: P20138, ProbeID: 3166−92_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Myeloid cell surface antigen CD33

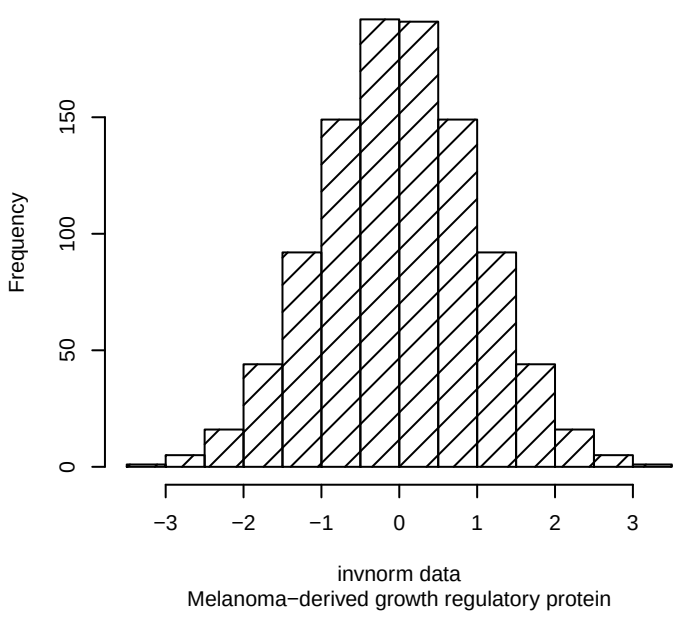

Siglec−3 (Uniprot: P20138, ProbeID: 3166−92_1)
invnorm data
−3
−2
−1
0
1
2
3
C/C (395)
C/T (450)
T/T (151)
rs1710354 (Chr19:51802140)
Locus 221 top sentinel (CIS), p=2.3e−18

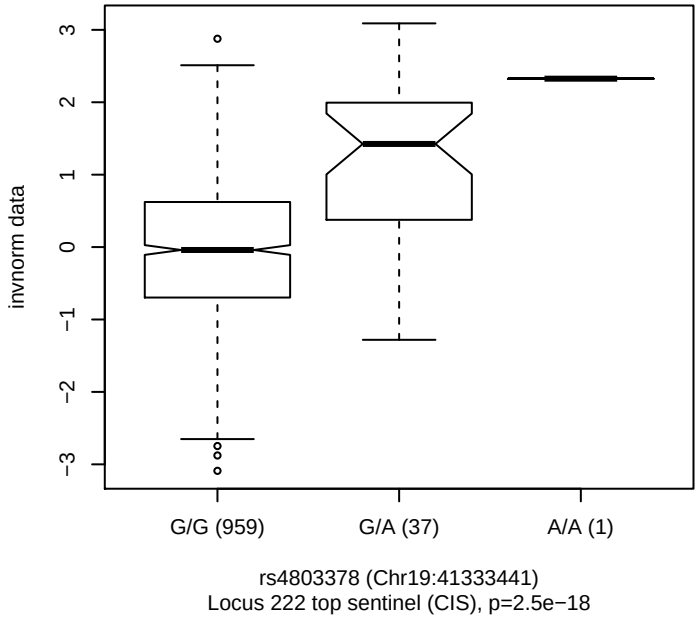

MIA (Uniprot: Q16674, ProbeID: 2687−2_1)
Frequency
0
50
100
150
200
250
300
1000
2000
3000
4000
5000
6000
7000
raw data
Melanoma−derived growth regulatory protein

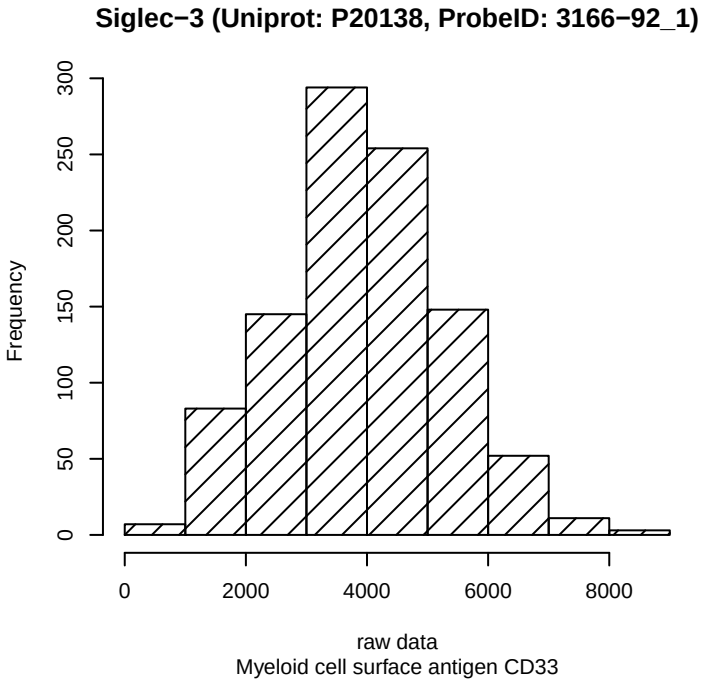

MIA (Uniprot: Q16674, ProbeID: 2687−2_1)
raw data
2000
3000
4000
5000
6000
7000
G/G (959)
G/A (37)
A/A (1)
rs4803378 (Chr19:41333441)
Locus 222 top sentinel (CIS), p=1.6e−26

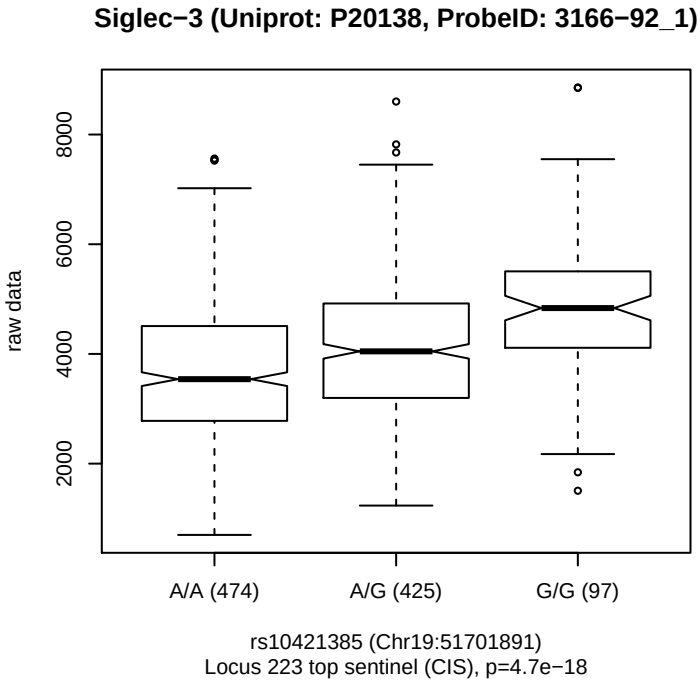

MIA (Uniprot: Q16674, ProbeID: 2687−2_1)
Frequency
0
50
100
150
200
250
10.5
11.0
11.5
12.0
12.5
13.0
log2−scaled data
Melanoma−derived growth regulatory protein

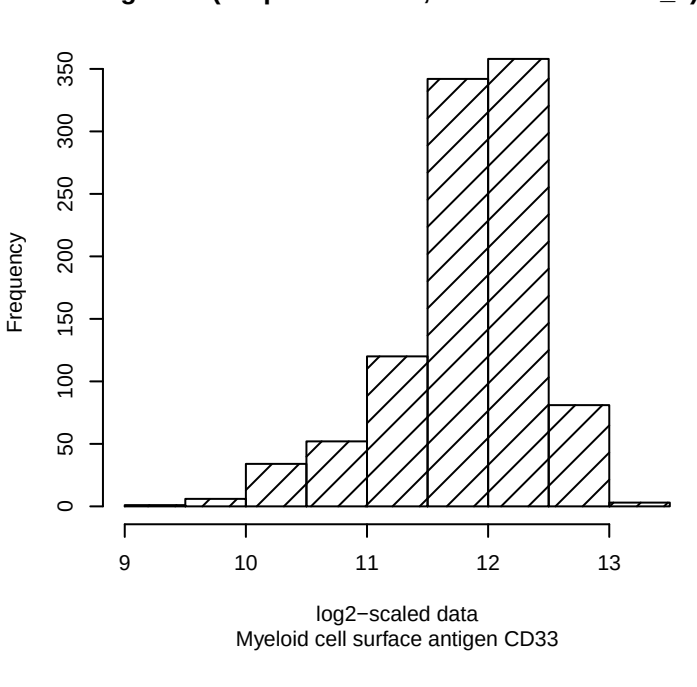

MIA (Uniprot: Q16674, ProbeID: 2687−2_1)
log2−scaled data
10.5
11.0
11.5
12.0
12.5
G/G (959)
G/A (37)
A/A (1)
rs4803378 (Chr19:41333441)
Locus 222 top sentinel (CIS), p=9.6e−21, FC=1.3294

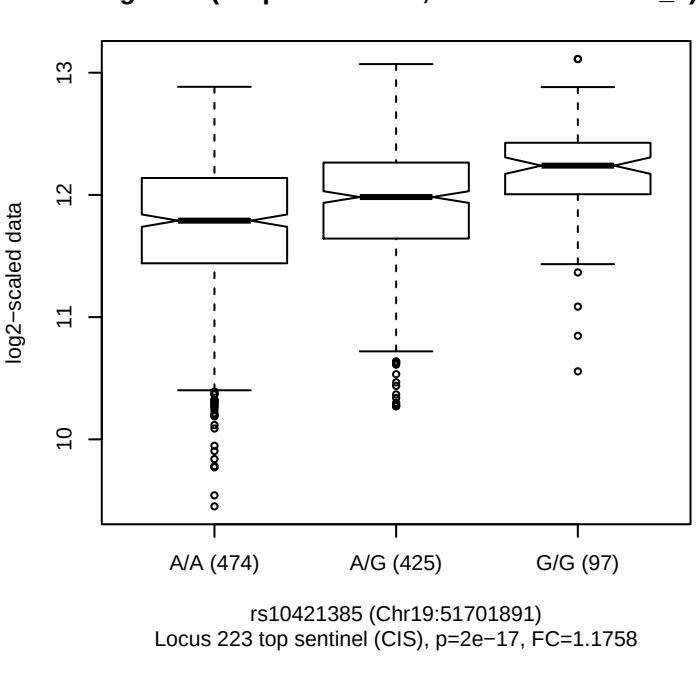

MIA (Uniprot: Q16674, ProbeID: 2687−2_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Melanoma−derived growth regulatory protein

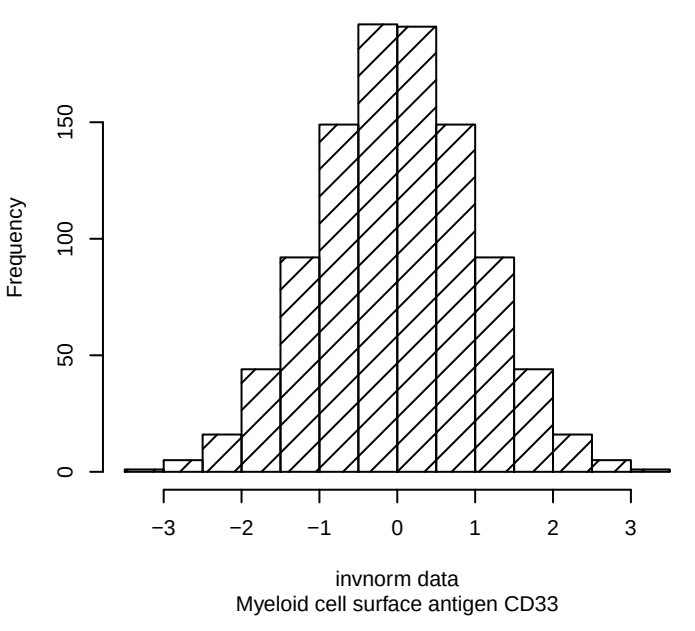

MIA (Uniprot: Q16674, ProbeID: 2687−2_1)
invnorm data
−3
−2
−1
0
1
2
3
G/G (959)
G/A (37)
A/A (1)
rs4803378 (Chr19:41333441)
Locus 222 top sentinel (CIS), p=2.5e−18

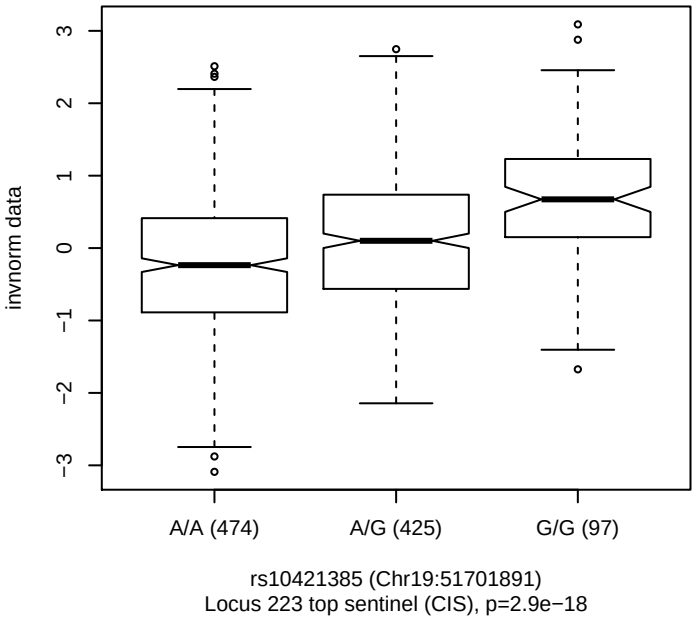

Siglec−3 (Uniprot: P20138, ProbeID: 3166−92_1)
Frequency
0
50
100
150
200
250
300
0
2000
4000
6000
8000
raw data
Myeloid cell surface antigen CD33

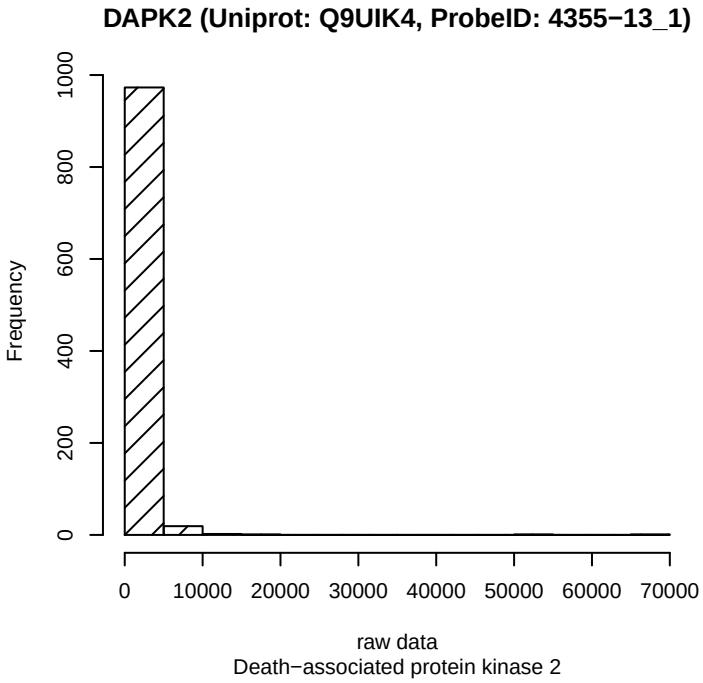

Siglec−3 (Uniprot: P20138, ProbeID: 3166−92_1)
raw data
2000
4000
6000
8000
A/A (474)
A/G (425)
G/G (97)
rs10421385 (Chr19:51701891)
Locus 223 top sentinel (CIS), p=4.7e−18

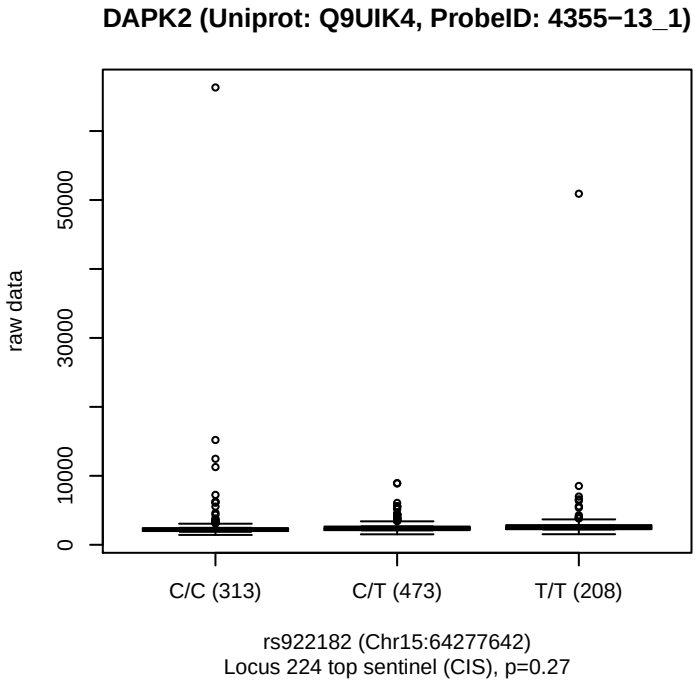

Siglec−3 (Uniprot: P20138, ProbeID: 3166−92_1)
Frequency
0
50
100
150
200
250
300
350
9
10
11
12
13
log2−scaled data
Myeloid cell surface antigen CD33

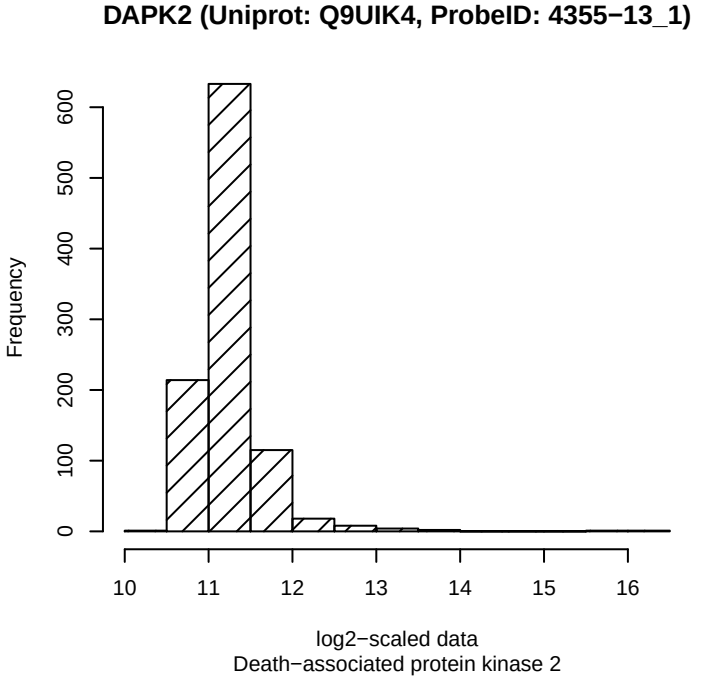

Siglec−3 (Uniprot: P20138, ProbeID: 3166−92_1)
log2−scaled data
10
11
12
13
A/A (474)
A/G (425)
G/G (97)
rs10421385 (Chr19:51701891)
Locus 223 top sentinel (CIS), p=2e−17, FC=1.1758

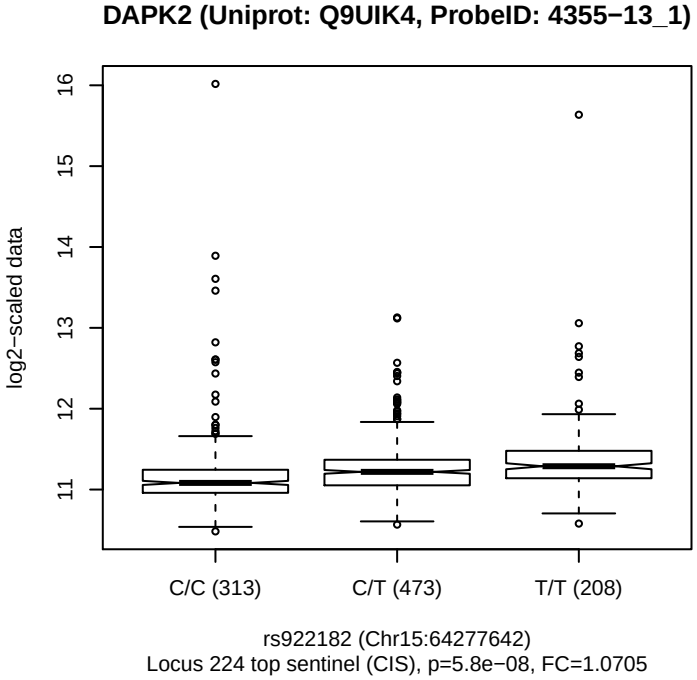

Siglec−3 (Uniprot: P20138, ProbeID: 3166−92_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Myeloid cell surface antigen CD33

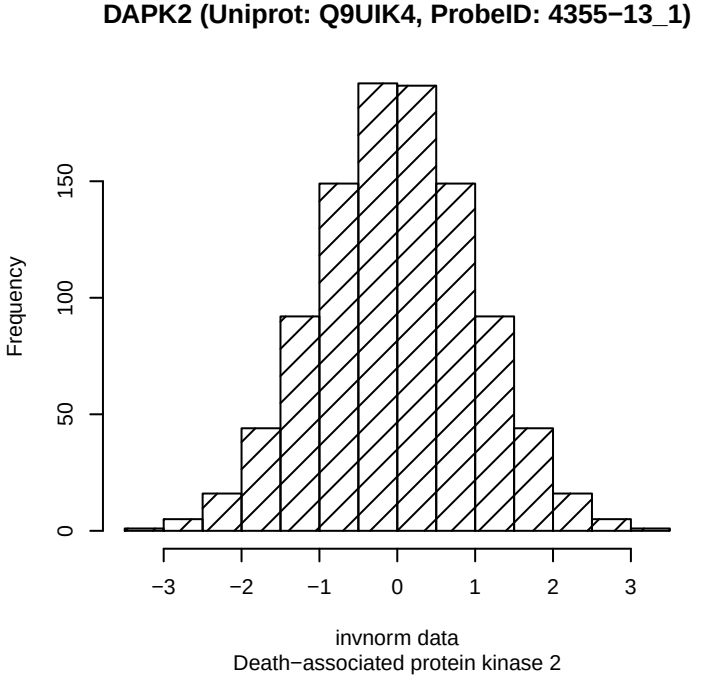

Siglec−3 (Uniprot: P20138, ProbeID: 3166−92_1)
invnorm data
−3
−2
−1
0
1
2
3
A/A (474)
A/G (425)
G/G (97)
rs10421385 (Chr19:51701891)
Locus 223 top sentinel (CIS), p=2.9e−18

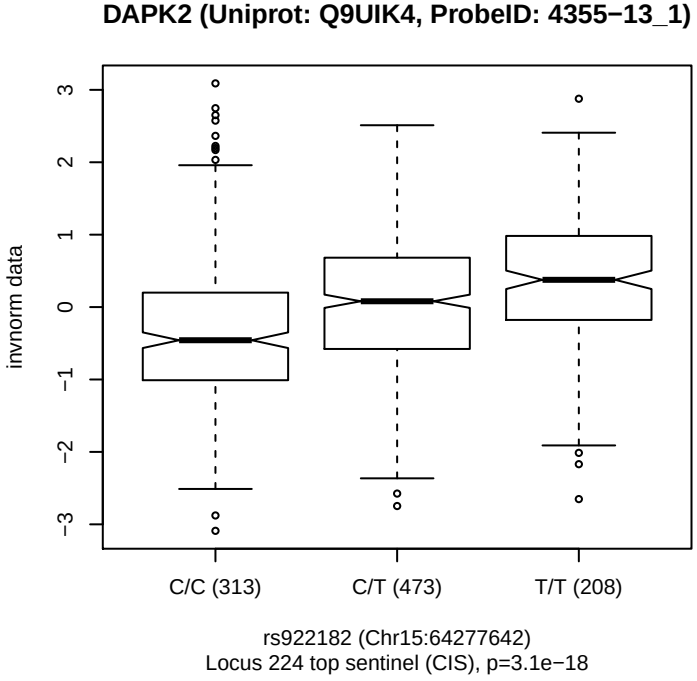

DAPK2 (Uniprot: Q9UIK4, ProbeID: 4355−13_1)
Frequency
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000
70000
raw data
Death−associated protein kinase 2

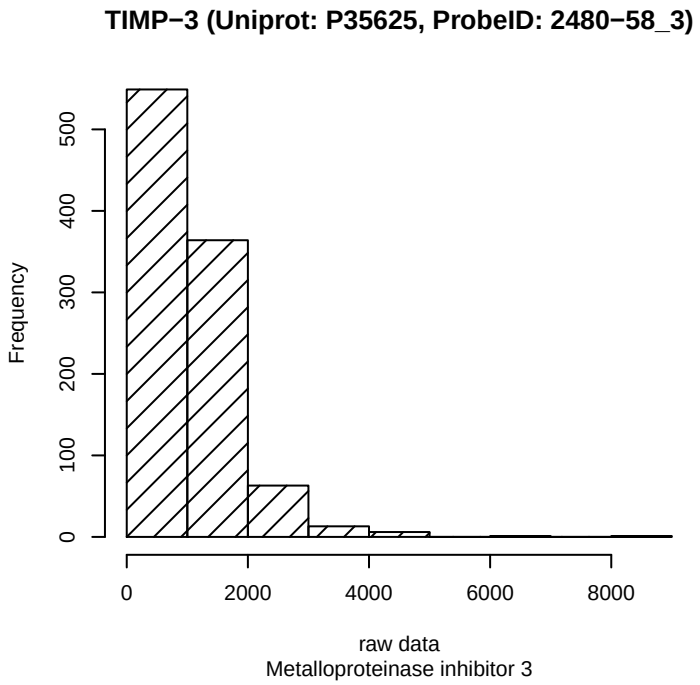

DAPK2 (Uniprot: Q9UIK4, ProbeID: 4355−13_1)
raw data
0
10000
30000
50000
C/C (313)
C/T (473)
T/T (208)
rs922182 (Chr15:64277642)
Locus 224 top sentinel (CIS), p=0.27

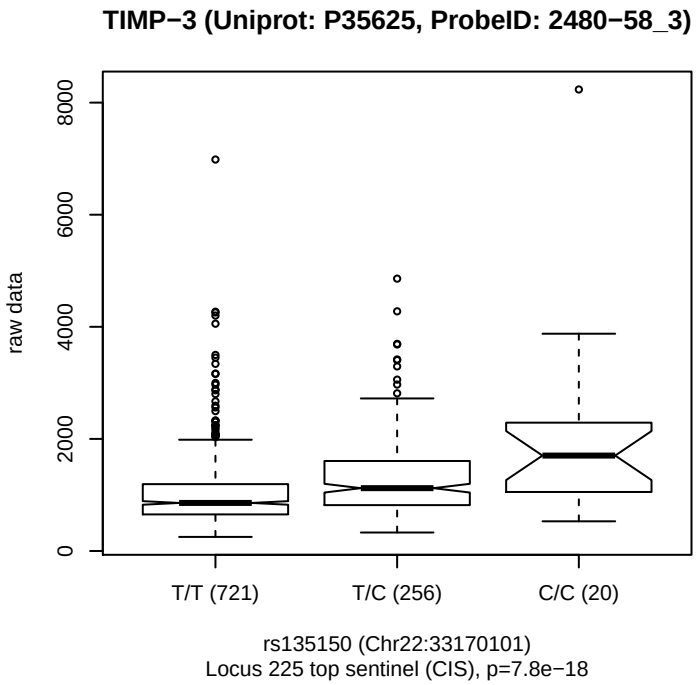

DAPK2 (Uniprot: Q9UIK4, ProbeID: 4355−13_1)
Frequency
0
100
200
300
400
500
600
10
11
12
13
14
15
16
log2−scaled data
Death−associated protein kinase 2

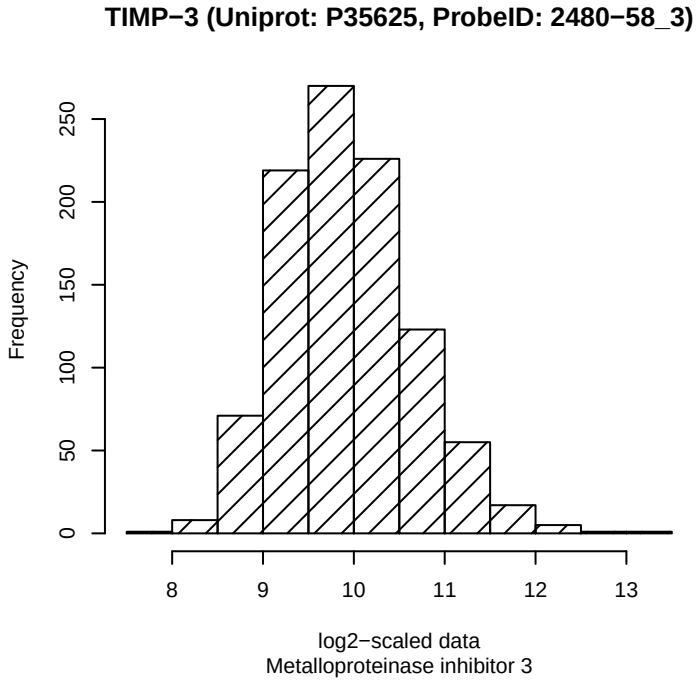

DAPK2 (Uniprot: Q9UIK4, ProbeID: 4355−13_1)
log2−scaled data
11
12
13
14
15
16
C/C (313)
C/T (473)
T/T (208)
rs922182 (Chr15:64277642)
Locus 224 top sentinel (CIS), p=5.8e−08, FC=1.0705

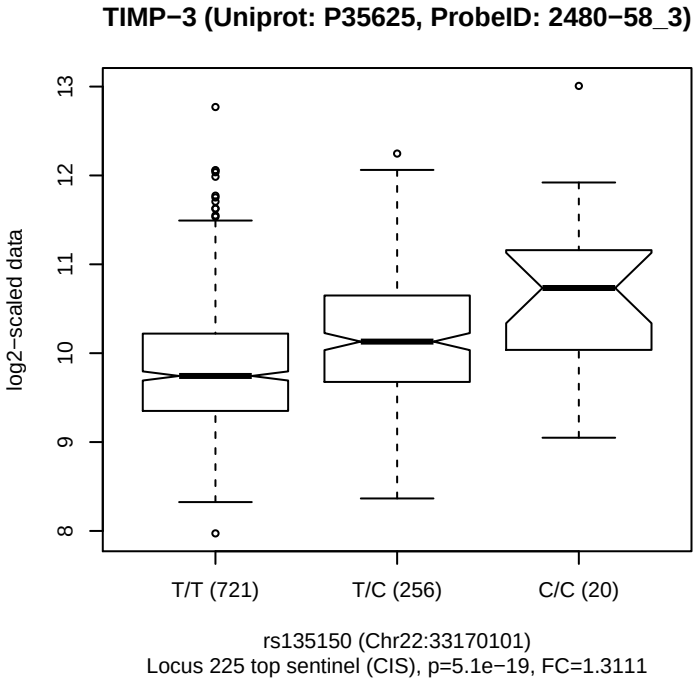

DAPK2 (Uniprot: Q9UIK4, ProbeID: 4355−13_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Death−associated protein kinase 2

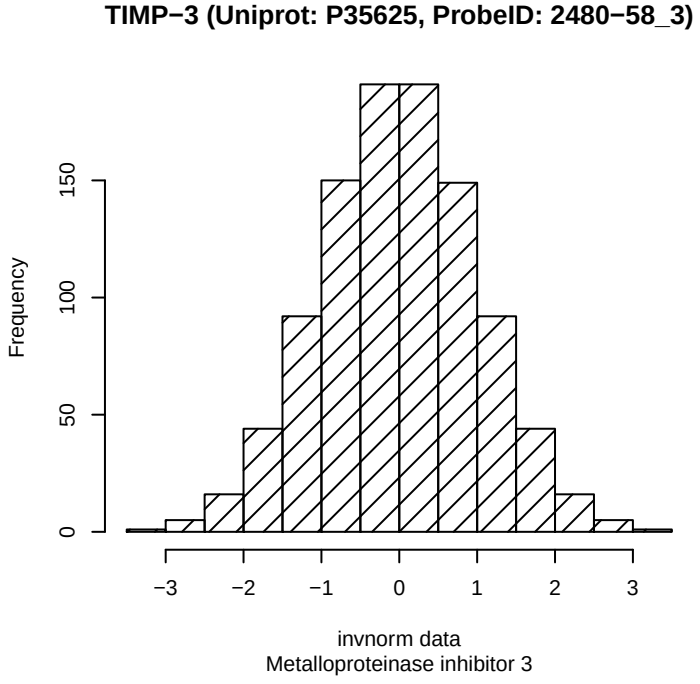

DAPK2 (Uniprot: Q9UIK4, ProbeID: 4355−13_1)
invnorm data
−3
−2
−1
0
1
2
3
C/C (313)
C/T (473)
T/T (208)
rs922182 (Chr15:64277642)
Locus 224 top sentinel (CIS), p=3.1e−18

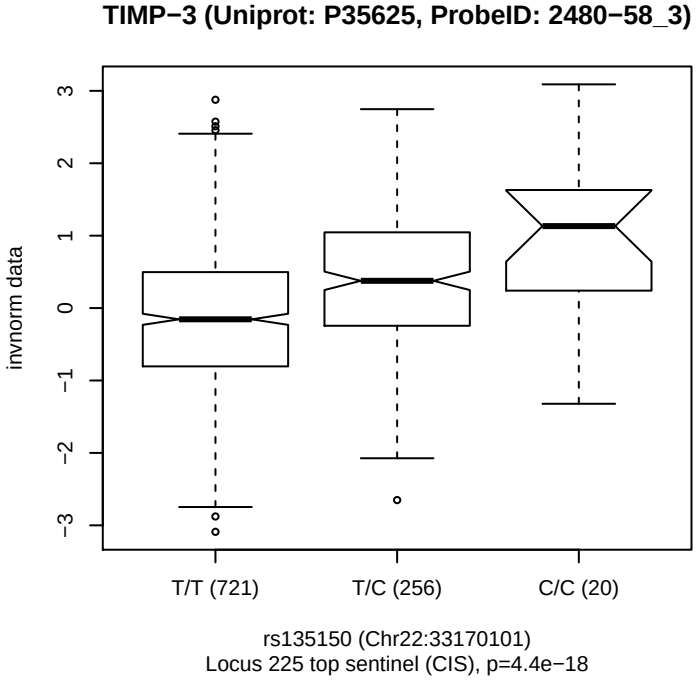

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
Frequency
0
100
200
300
400
500
0
2000
4000
6000
8000
raw data
Metalloproteinase inhibitor 3

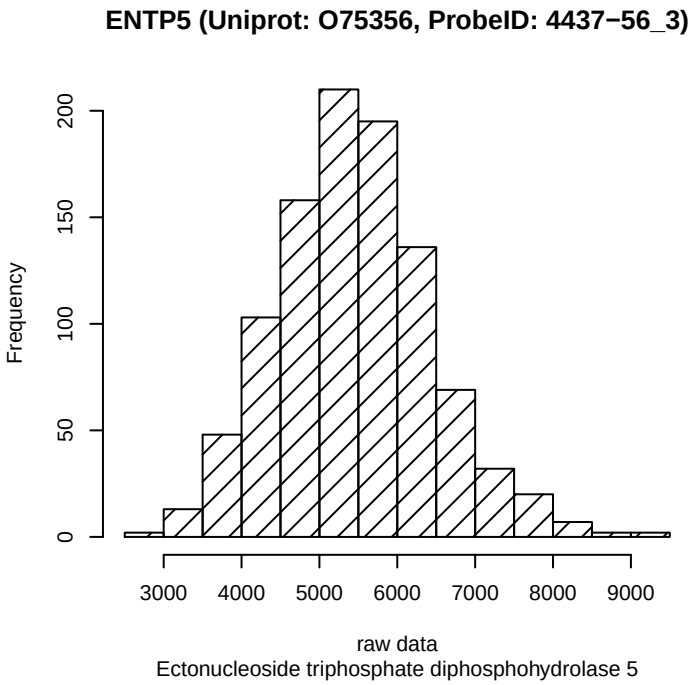

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
raw data
0
2000
4000
6000
8000
T/T (721)
T/C (256)
C/C (20)
rs135150 (Chr22:33170101)
Locus 225 top sentinel (CIS), p=7.8e−18

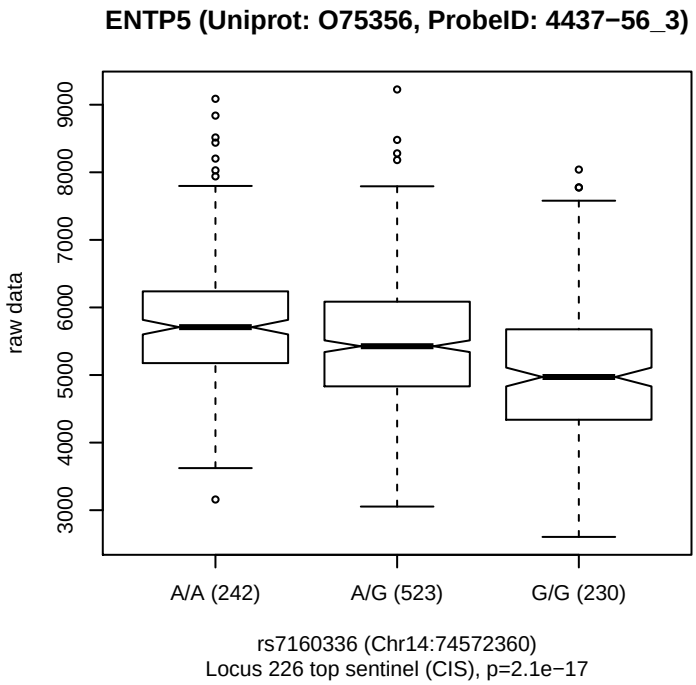

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
Frequency
0
50
100
150
200
250
8
9
10
11
12
13
log2−scaled data
Metalloproteinase inhibitor 3

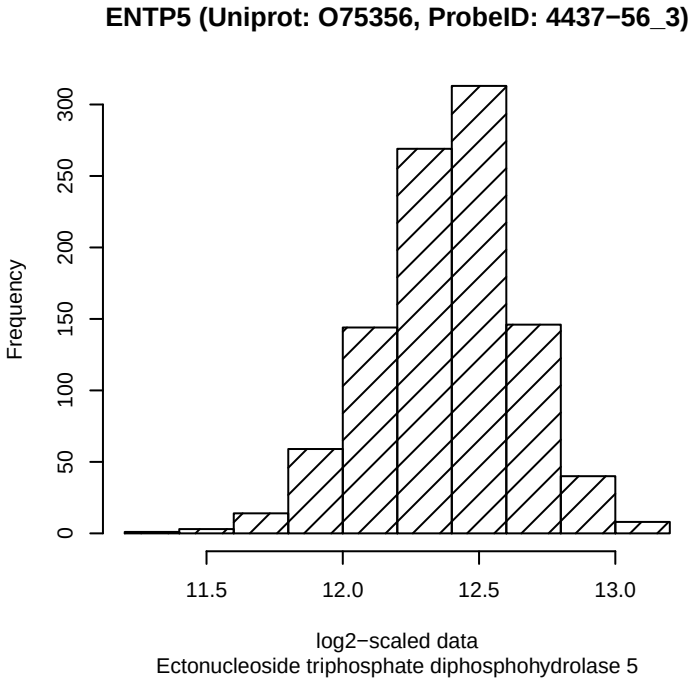

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
log2−scaled data
8
9
10
11
12
13
T/T (721)
T/C (256)
C/C (20)
rs135150 (Chr22:33170101)
Locus 225 top sentinel (CIS), p=5.1e−19, FC=1.3111

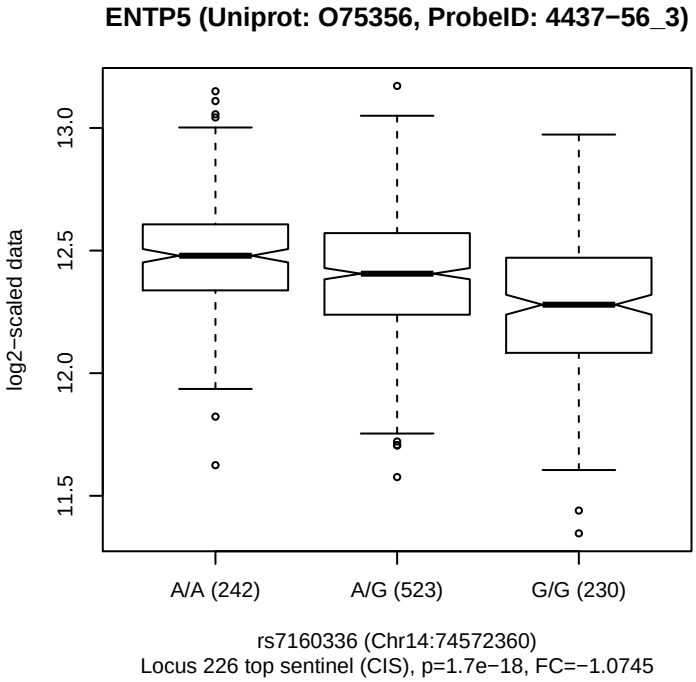

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Metalloproteinase inhibitor 3

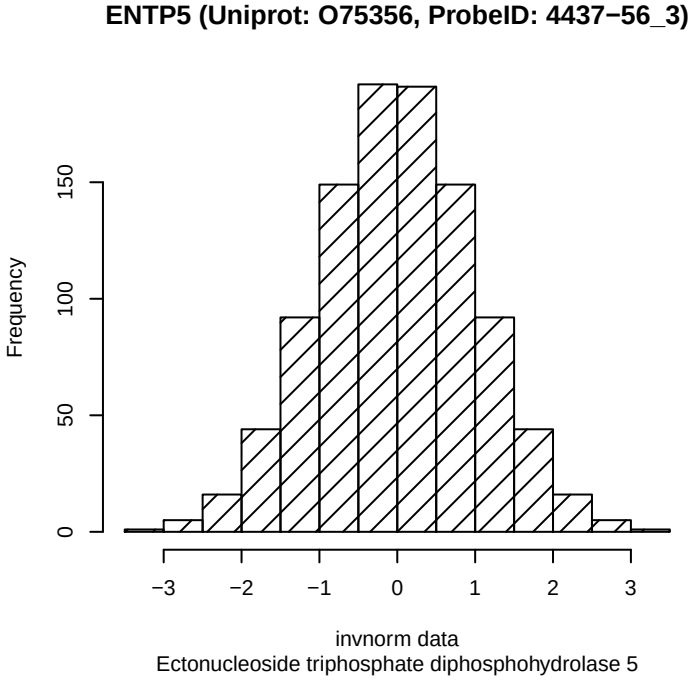

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
invnorm data
−3
−2
−1
0
1
2
3
T/T (721)
T/C (256)
C/C (20)
rs135150 (Chr22:33170101)
Locus 225 top sentinel (CIS), p=4.4e−18

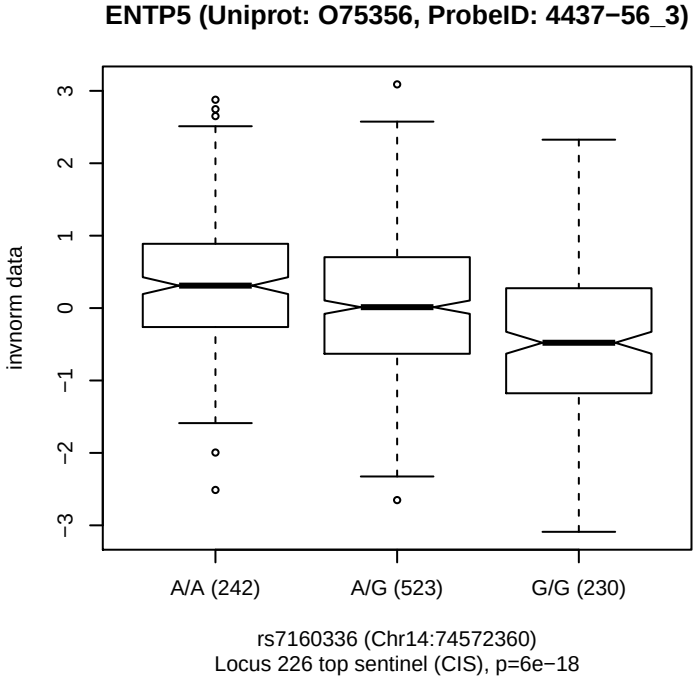

ENTP5 (Uniprot: O75356, ProbeID: 4437−56_3)
Frequency
0
50
100
150
200
3000
4000
5000
6000
7000
8000
9000
raw data
Ectonucleoside triphosphate diphosphohydrolase 5

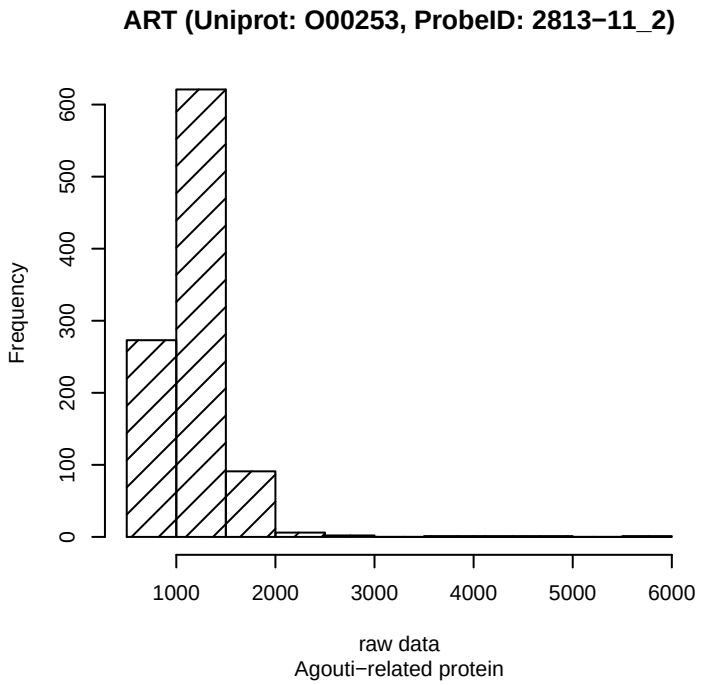

ENTP5 (Uniprot: O75356, ProbeID: 4437−56_3)
raw data
3000
4000
5000
6000
7000
8000
9000
A/A (242)
A/G (523)
G/G (230)
rs7160336 (Chr14:74572360)
Locus 226 top sentinel (CIS), p=2.1e−17

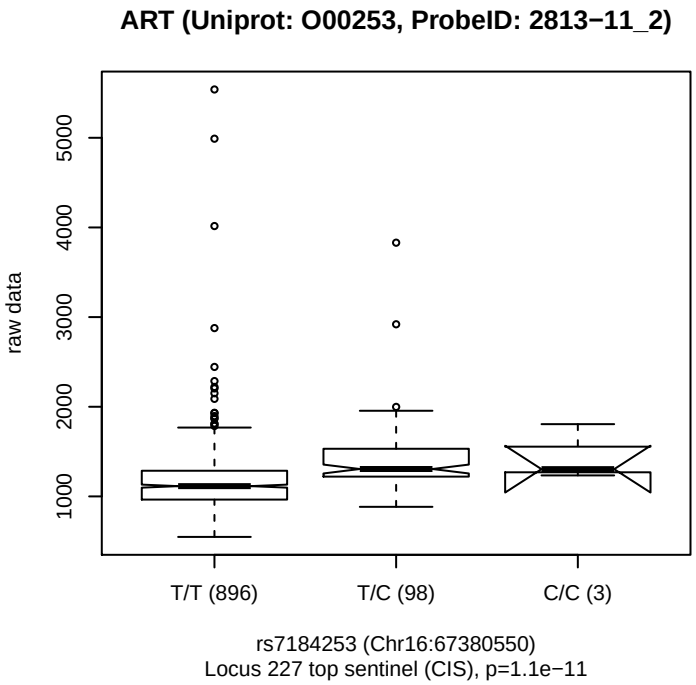

ENTP5 (Uniprot: O75356, ProbeID: 4437−56_3)
Frequency
0
50
100
150
200
250
300
11.5
12.0
12.5
13.0
log2−scaled data
Ectonucleoside triphosphate diphosphohydrolase 5

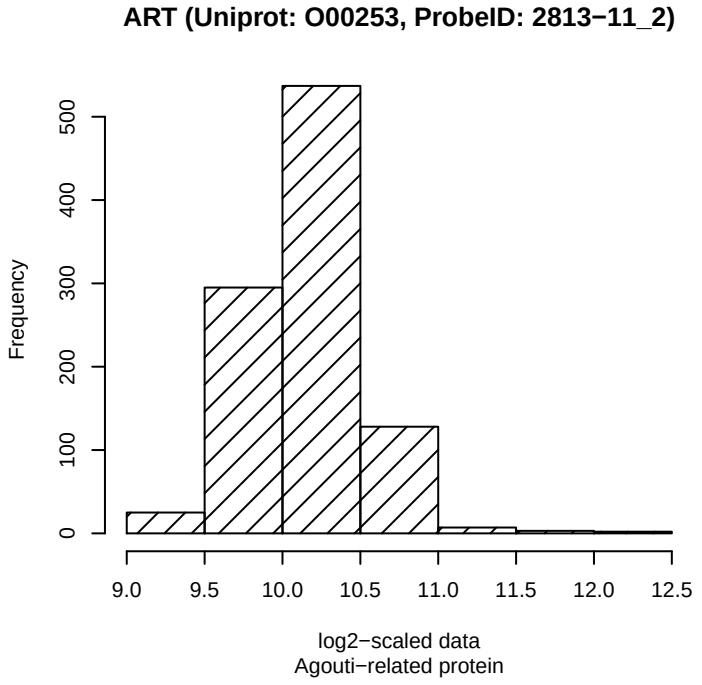

ENTP5 (Uniprot: O75356, ProbeID: 4437−56_3)
log2−scaled data
11.5
12.0
12.5
13.0
A/A (242)
A/G (523)
G/G (230)
rs7160336 (Chr14:74572360)
Locus 226 top sentinel (CIS), p=1.7e−18, FC=−1.0745

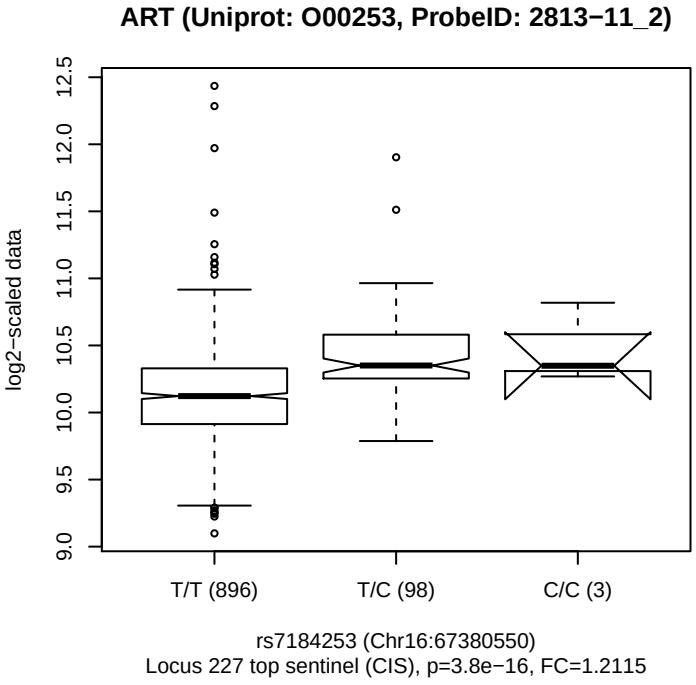

ENTP5 (Uniprot: O75356, ProbeID: 4437−56_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Ectonucleoside triphosphate diphosphohydrolase 5

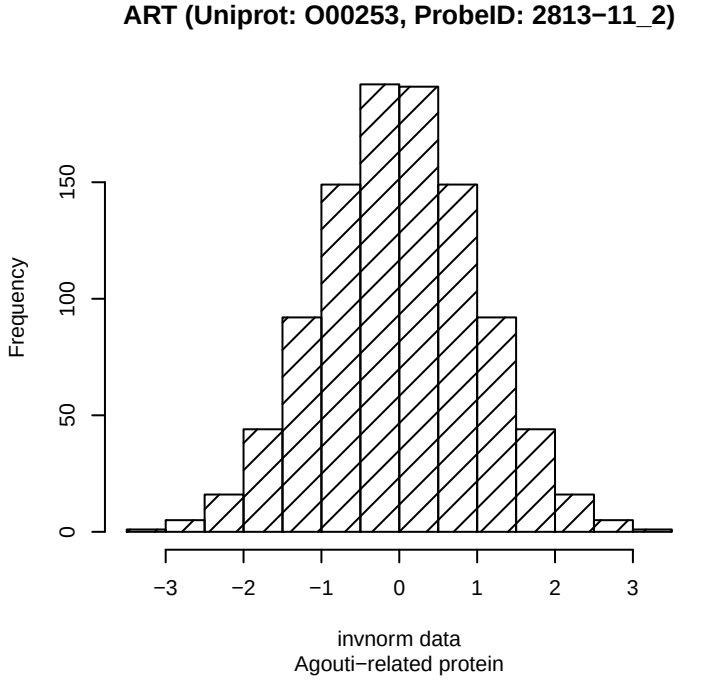

ENTP5 (Uniprot: O75356, ProbeID: 4437−56_3)
invnorm data
−3
−2
−1
0
1
2
3
A/A (242)
A/G (523)
G/G (230)
rs7160336 (Chr14:74572360)
Locus 226 top sentinel (CIS), p=6e−18

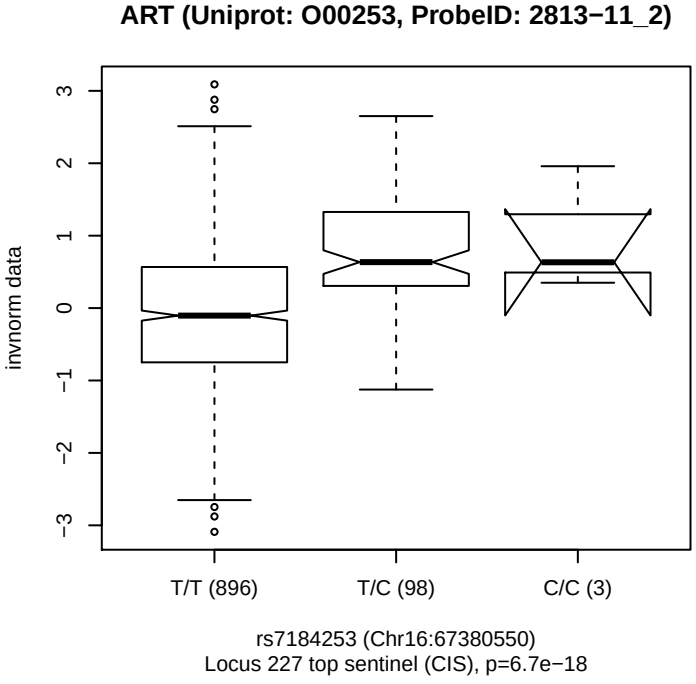

ART (Uniprot: O00253, ProbeID: 2813−11_2)
Frequency
0
100
200
300
400
500
600
1000
2000
3000
4000
5000
6000
raw data
Agouti−related protein

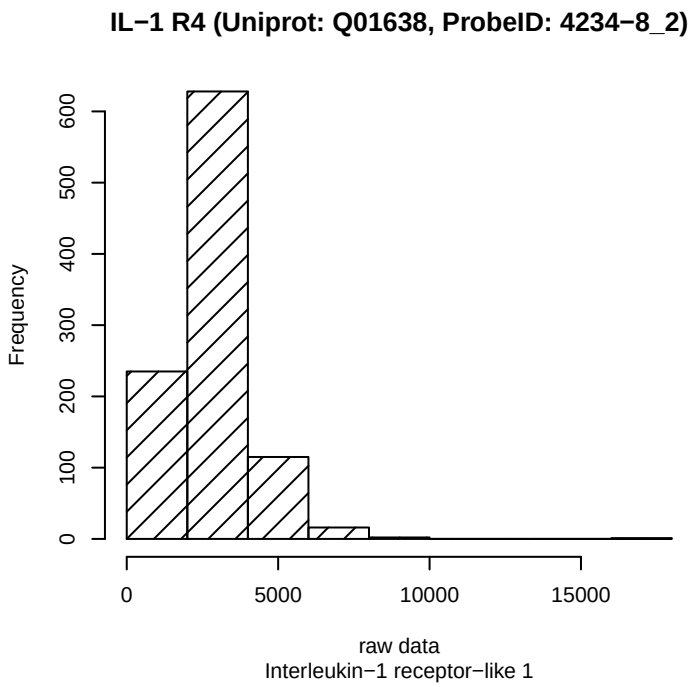

ART (Uniprot: O00253, ProbeID: 2813−11_2)
raw data
1000
2000
3000
4000
5000
T/T (896)
T/C (98)
C/C (3)
rs7184253 (Chr16:67380550)
Locus 227 top sentinel (CIS), p=1.1e−11

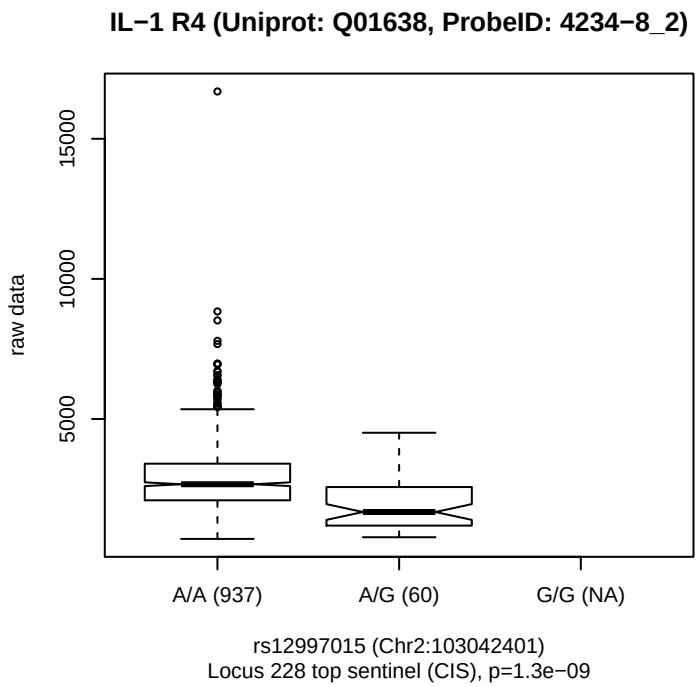

ART (Uniprot: O00253, ProbeID: 2813−11_2)
Frequency
0
100
200
300
400
500
9.0
9.5
10.0
10.5
11.0
11.5
12.0
12.5
log2−scaled data
Agouti−related protein

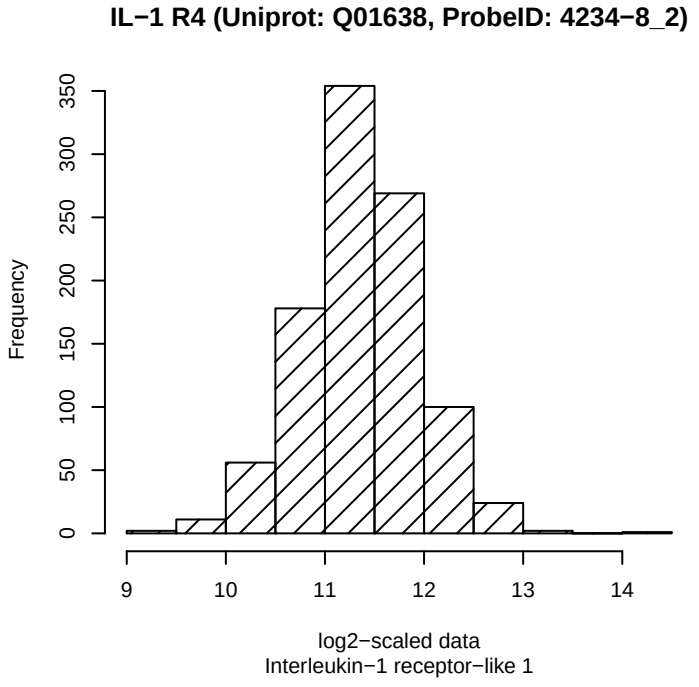

ART (Uniprot: O00253, ProbeID: 2813−11_2)
log2−scaled data
9.0
9.5
10.0
10.5
11.0
11.5
12.0
12.5
T/T (896)
T/C (98)
C/C (3)
rs7184253 (Chr16:67380550)
Locus 227 top sentinel (CIS), p=3.8e−16, FC=1.2115

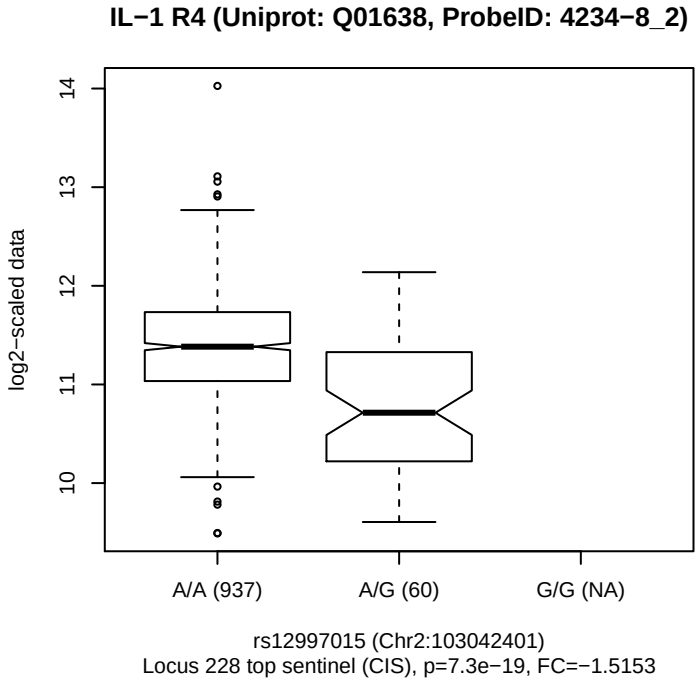

ART (Uniprot: O00253, ProbeID: 2813−11_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Agouti−related protein

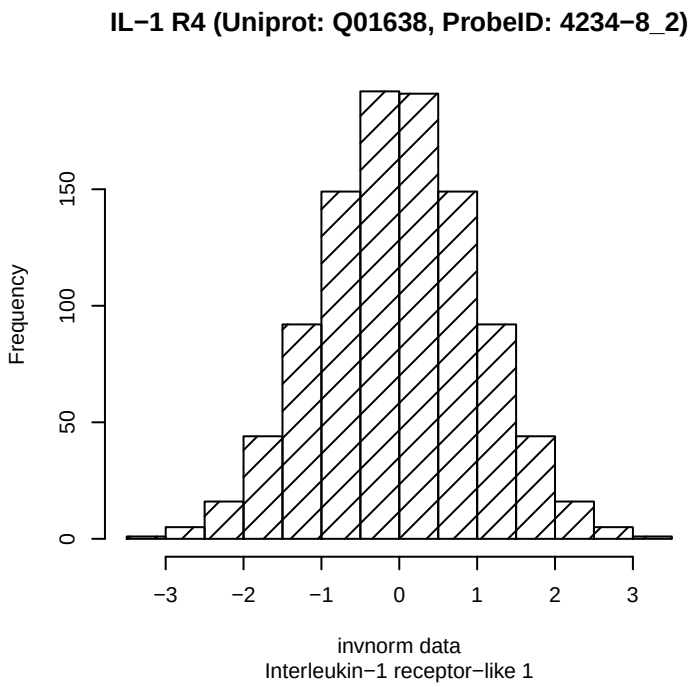

ART (Uniprot: O00253, ProbeID: 2813−11_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (896)
T/C (98)
C/C (3)
rs7184253 (Chr16:67380550)
Locus 227 top sentinel (CIS), p=6.7e−18

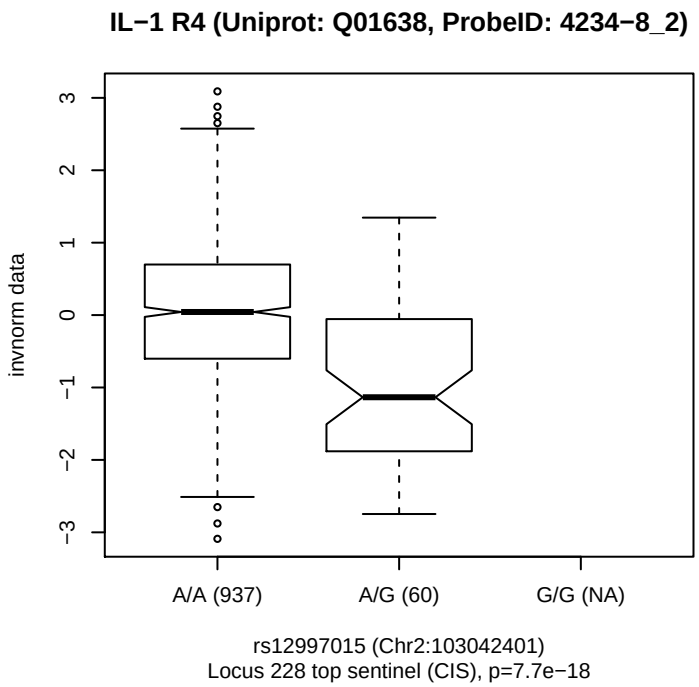

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
Frequency
0
100
200
300
400
500
600
0
5000
10000
15000
raw data
Interleukin−1 receptor−like 1

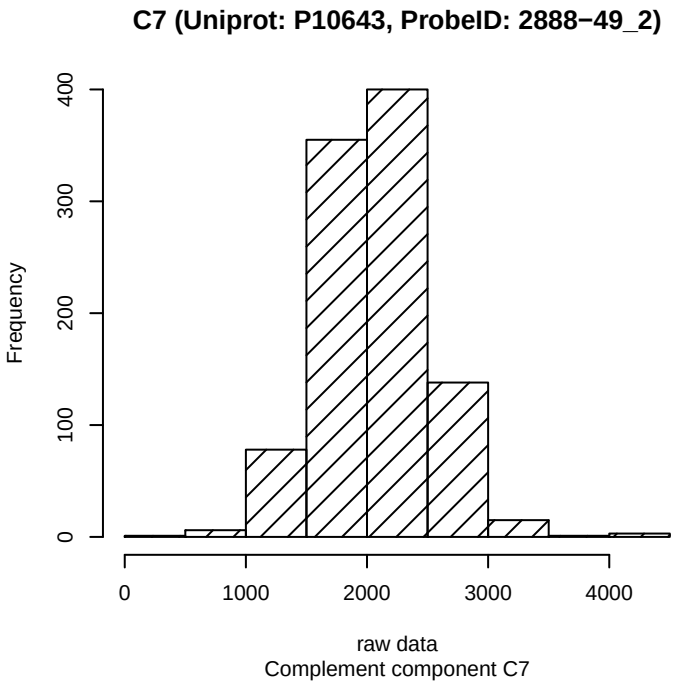

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
raw data
5000
10000
15000
A/A (937)
A/G (60)
G/G (NA)
rs12997015 (Chr2:103042401)
Locus 228 top sentinel (CIS), p=1.3e−09

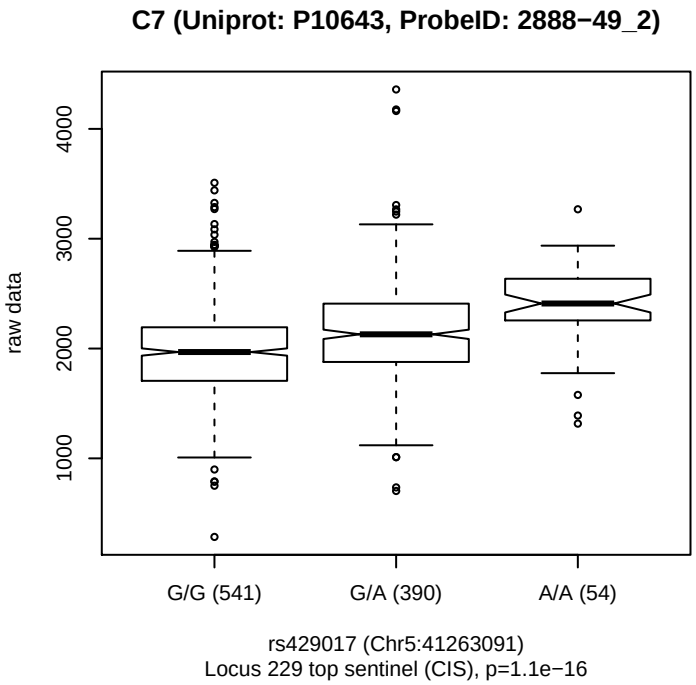

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
Frequency
0
50
100
150
200
250
300
350
9
10
11
12
13
14
log2−scaled data
Interleukin−1 receptor−like 1

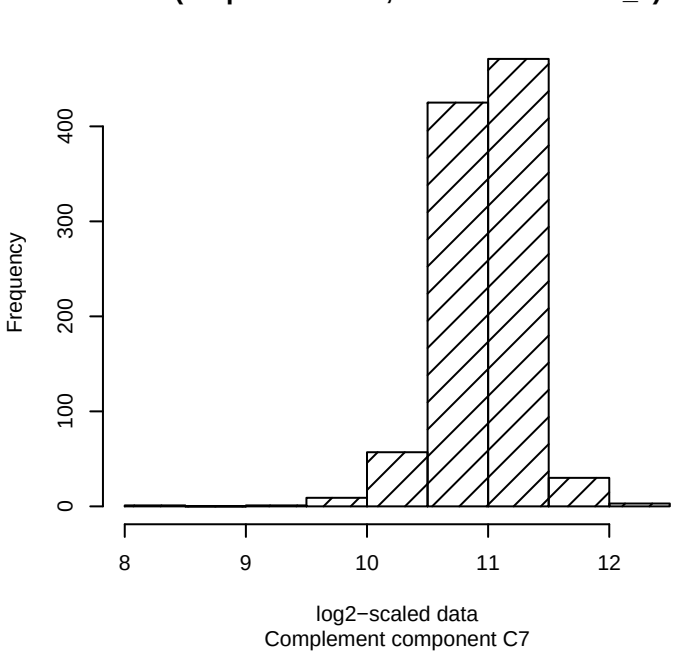

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
log2−scaled data
10
11
12
13
14
A/A (937)
A/G (60)
G/G (NA)
rs12997015 (Chr2:103042401)
Locus 228 top sentinel (CIS), p=7.3e−19, FC=−1.5153

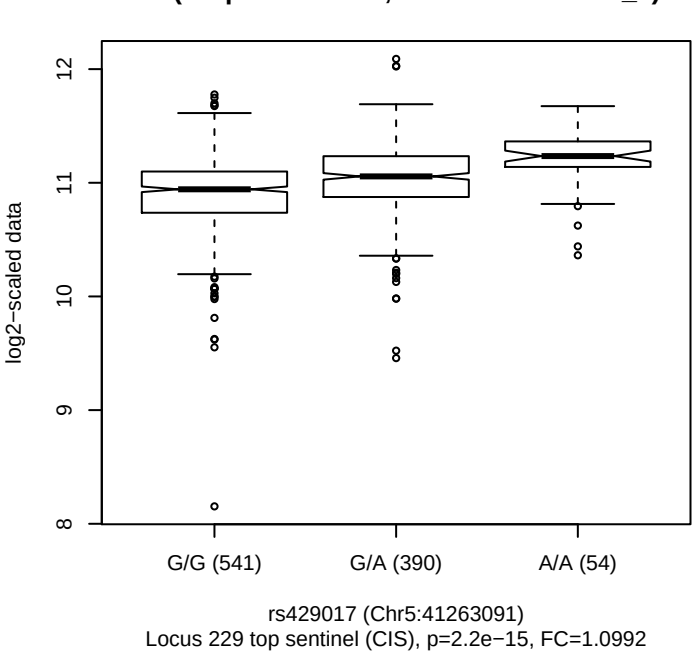

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−1 receptor−like 1

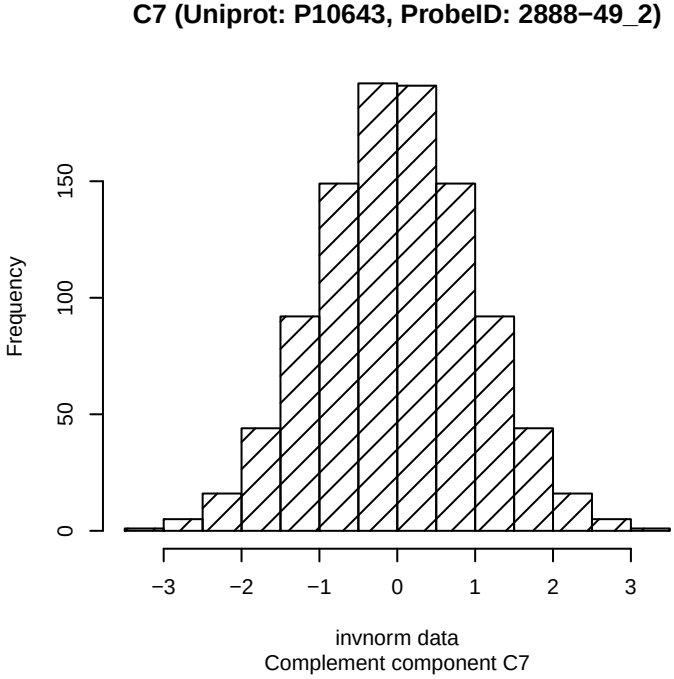

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (937)
A/G (60)
G/G (NA)
rs12997015 (Chr2:103042401)
Locus 228 top sentinel (CIS), p=7.7e−18

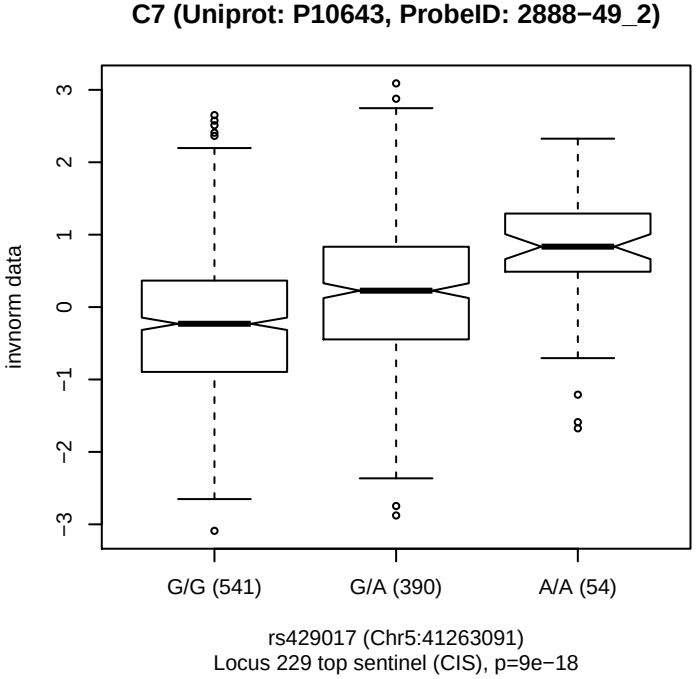

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
Frequency
0
100
200
300
400
0
1000
2000
3000
4000
raw data
Complement component C7

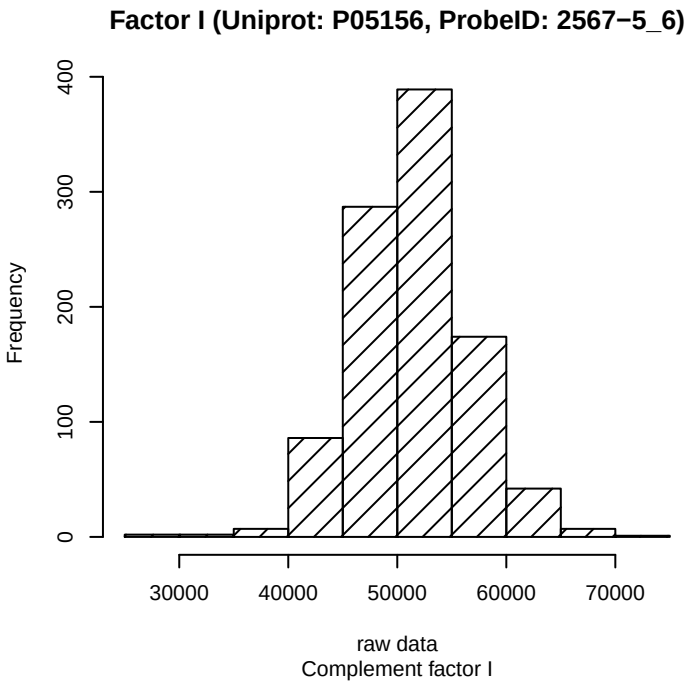

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
raw data
1000
2000
3000
4000
G/G (541)
G/A (390)
A/A (54)
rs429017 (Chr5:41263091)
Locus 229 top sentinel (CIS), p=1.1e−16

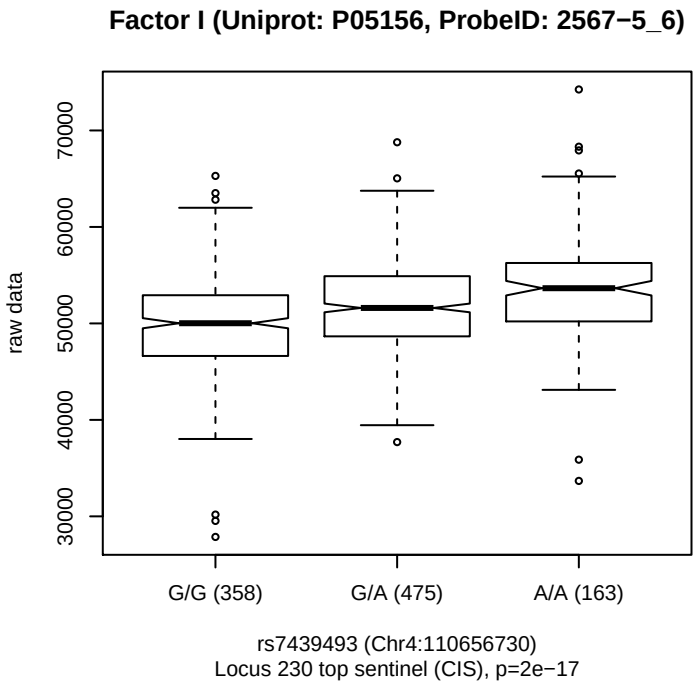

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
Frequency
0
100
200
300
400
8
9
10
11
12
log2−scaled data
Complement component C7

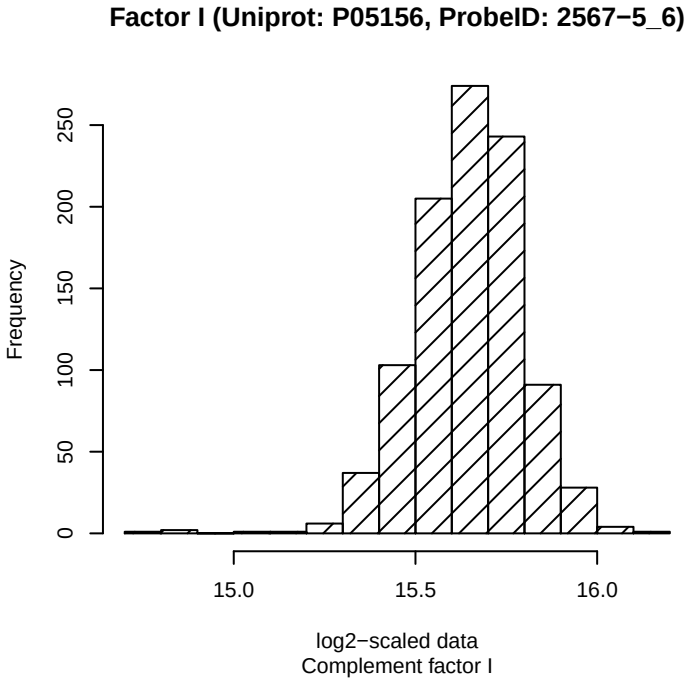

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
log2−scaled data
8
9
10
11
12
G/G (541)
G/A (390)
A/A (54)
rs429017 (Chr5:41263091)
Locus 229 top sentinel (CIS), p=2.2e−15, FC=1.0992

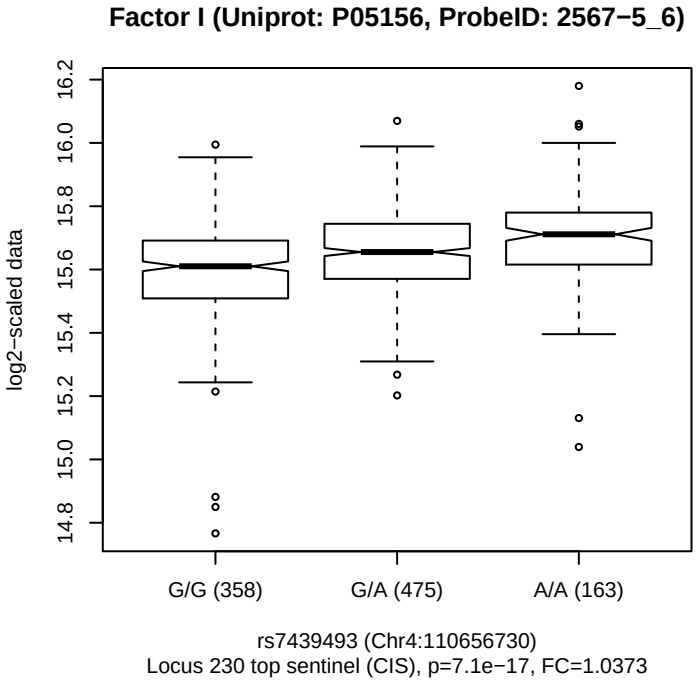

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Complement component C7

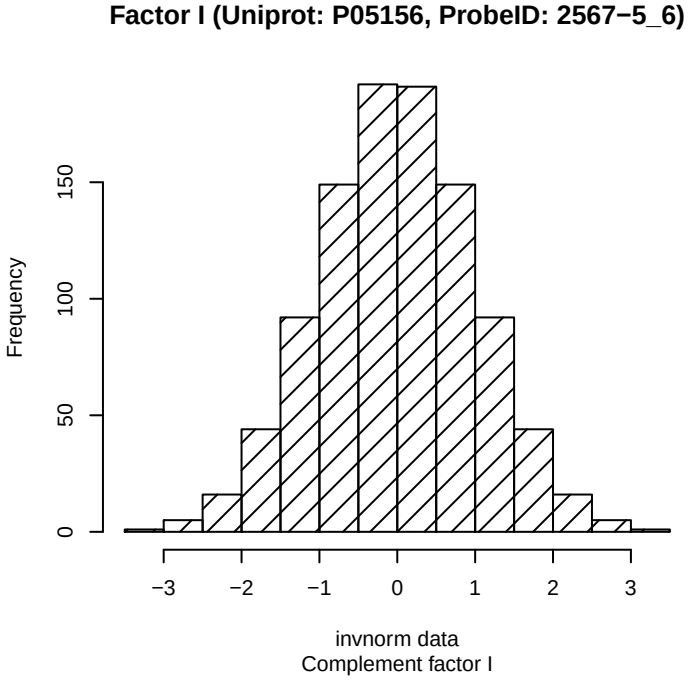

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (541)
G/A (390)
A/A (54)
rs429017 (Chr5:41263091)
Locus 229 top sentinel (CIS), p=9e−18

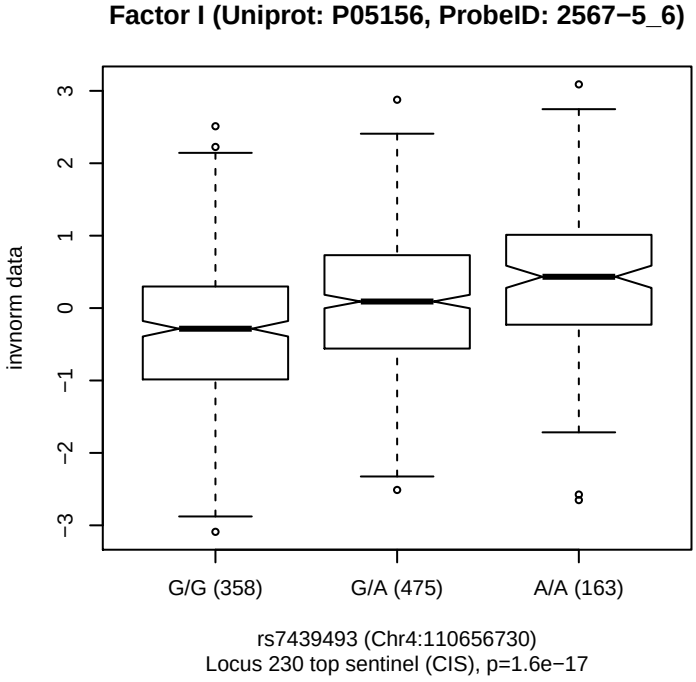

Factor I (Uniprot: P05156, ProbeID: 2567−5_6)
Frequency
0
100
200
300
400
30000
40000
50000
60000
70000
raw data
Complement factor I

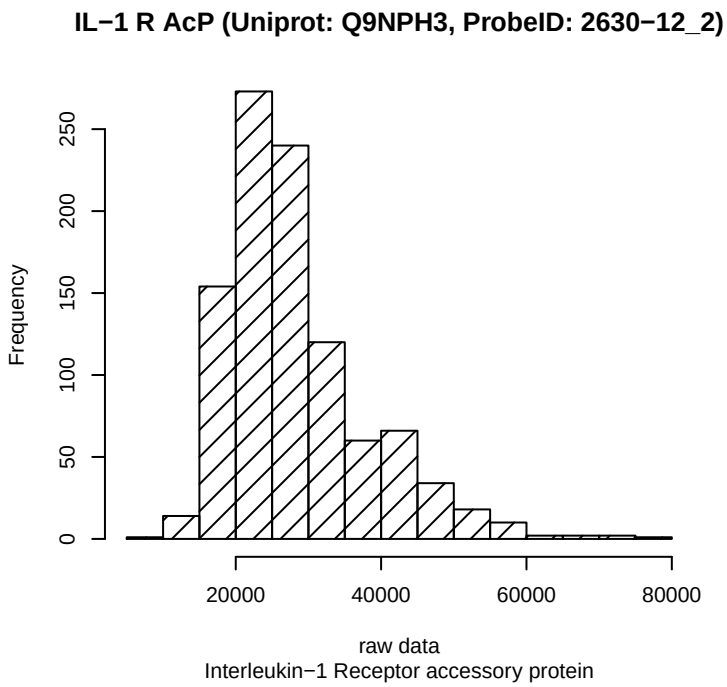

Factor I (Uniprot: P05156, ProbeID: 2567−5_6)
raw data
30000
40000
50000
60000
70000
G/G (358)
G/A (475)
A/A (163)
rs7439493 (Chr4:110656730)
Locus 230 top sentinel (CIS), p=2e−17

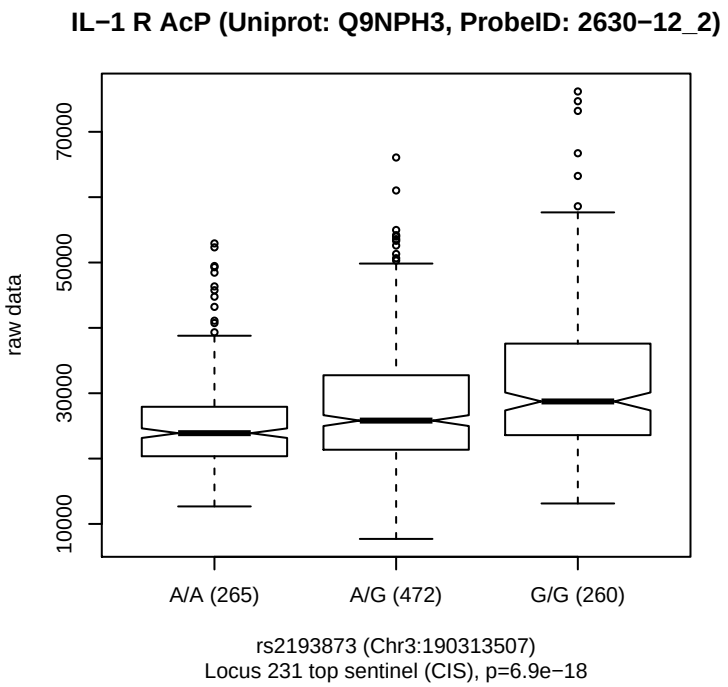

Factor I (Uniprot: P05156, ProbeID: 2567−5_6)
Frequency
0
50
100
150
200
250
15.0
15.5
16.0
log2−scaled data
Complement factor I

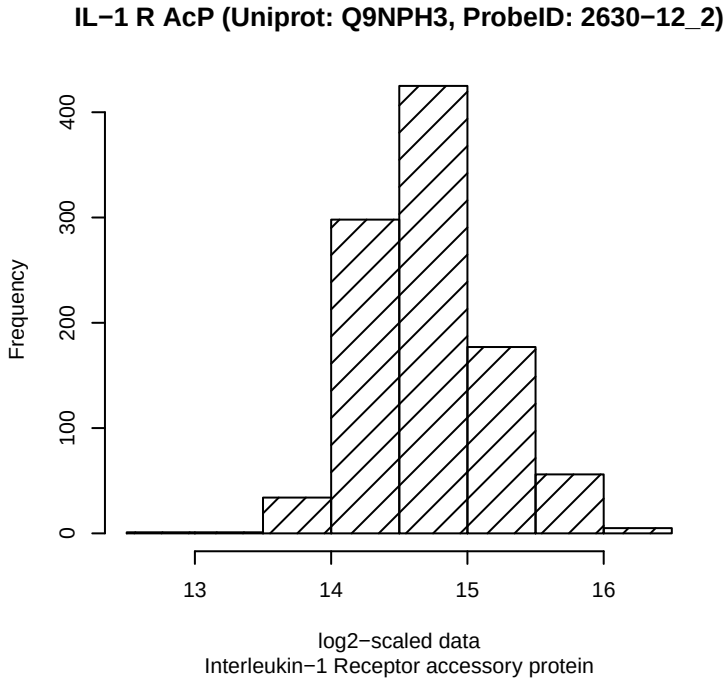

Factor I (Uniprot: P05156, ProbeID: 2567−5_6)
log2−scaled data
14.8
15.0
15.2
15.4
15.6
15.8
16.0
16.2
G/G (358)
G/A (475)
A/A (163)
rs7439493 (Chr4:110656730)
Locus 230 top sentinel (CIS), p=7.1e−17, FC=1.0373

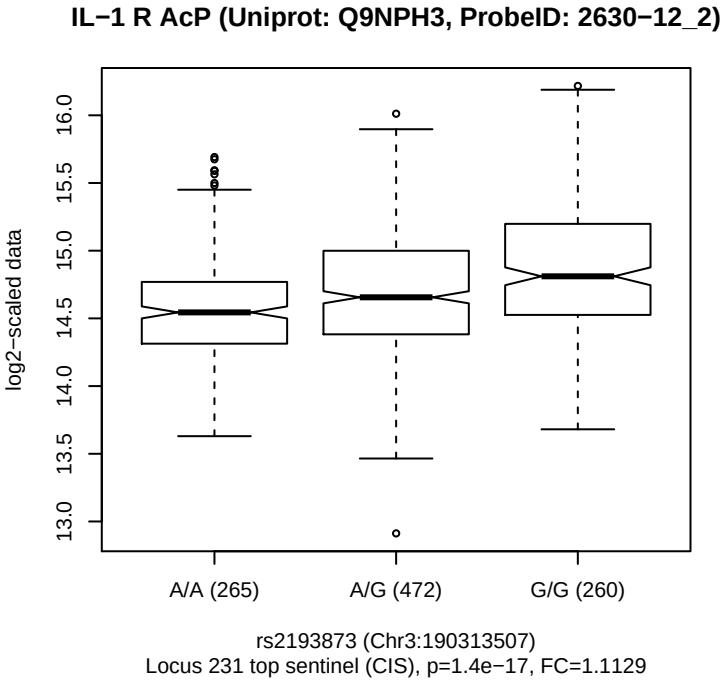

Factor I (Uniprot: P05156, ProbeID: 2567−5_6)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Complement factor I

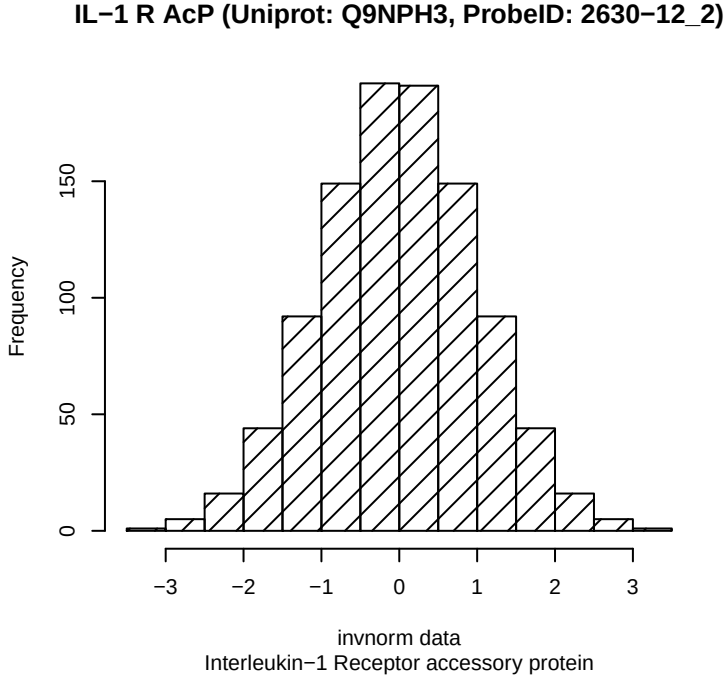

Factor I (Uniprot: P05156, ProbeID: 2567−5_6)
invnorm data
−3
−2
−1
0
1
2
3
G/G (358)
G/A (475)
A/A (163)
rs7439493 (Chr4:110656730)
Locus 230 top sentinel (CIS), p=1.6e−17

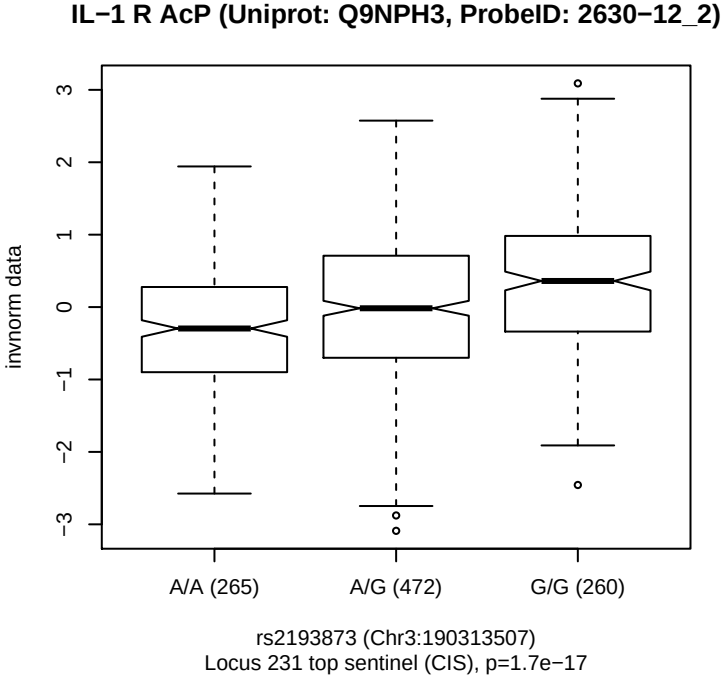

IL−1 R AcP (Uniprot: Q9NPH3, ProbeID: 2630−12_2)
Frequency
0
50
100
150
200
250
20000
40000
60000
80000
raw data
Interleukin−1 Receptor accessory protein

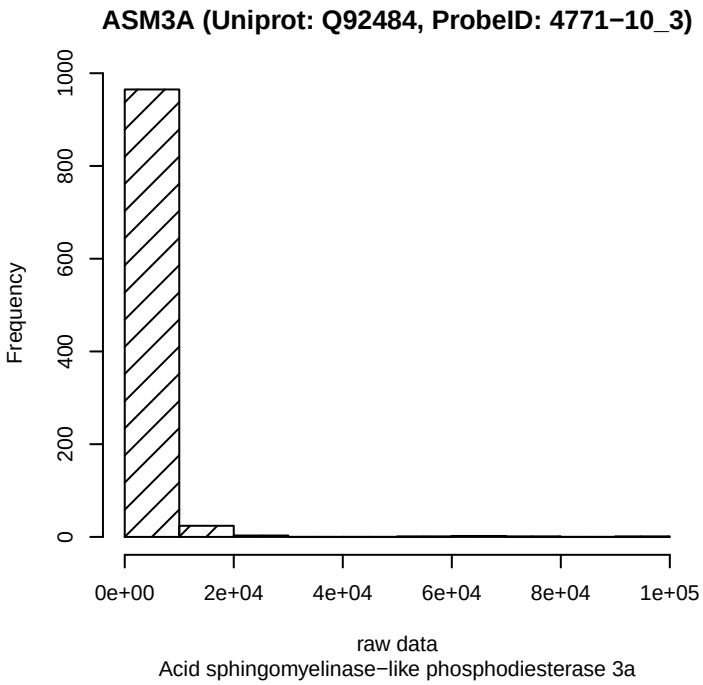

IL−1 R AcP (Uniprot: Q9NPH3, ProbeID: 2630−12_2)
raw data
10000
30000
50000
70000
A/A (265)
A/G (472)
G/G (260)
rs2193873 (Chr3:190313507)
Locus 231 top sentinel (CIS), p=6.9e−18

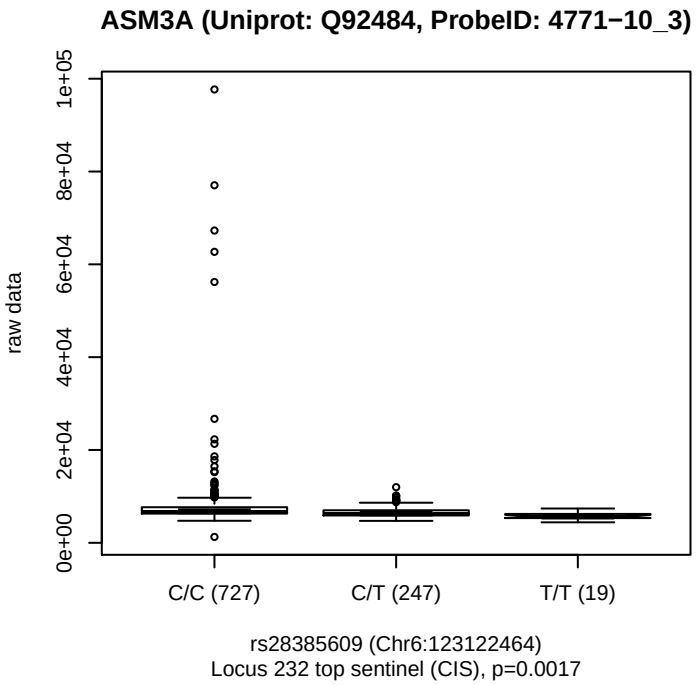

IL−1 R AcP (Uniprot: Q9NPH3, ProbeID: 2630−12_2)
Frequency
0
100
200
300
400
13
14
15
16
log2−scaled data
Interleukin−1 Receptor accessory protein

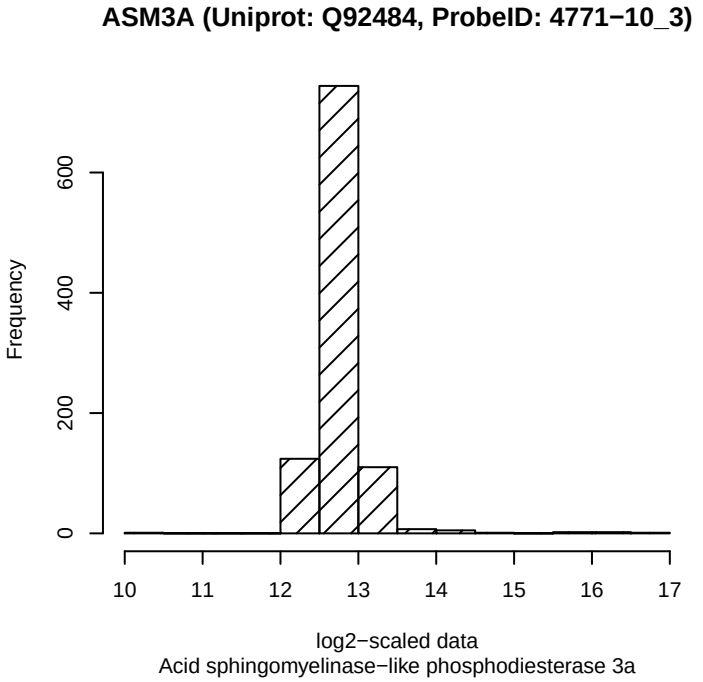

IL−1 R AcP (Uniprot: Q9NPH3, ProbeID: 2630−12_2)
log2−scaled data
13.0
13.5
14.0
14.5
15.0
15.5
16.0
A/A (265)
A/G (472)
G/G (260)
rs2193873 (Chr3:190313507)
Locus 231 top sentinel (CIS), p=1.4e−17, FC=1.1129

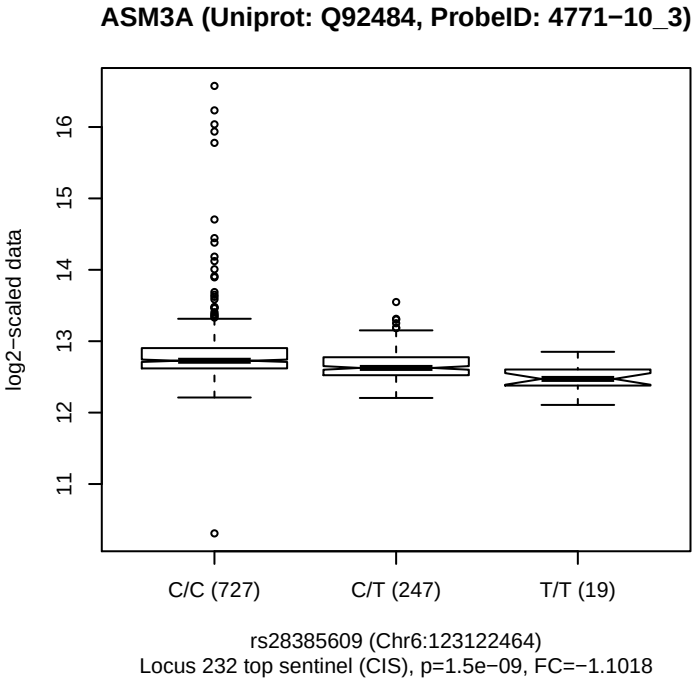

IL−1 R AcP (Uniprot: Q9NPH3, ProbeID: 2630−12_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−1 Receptor accessory protein

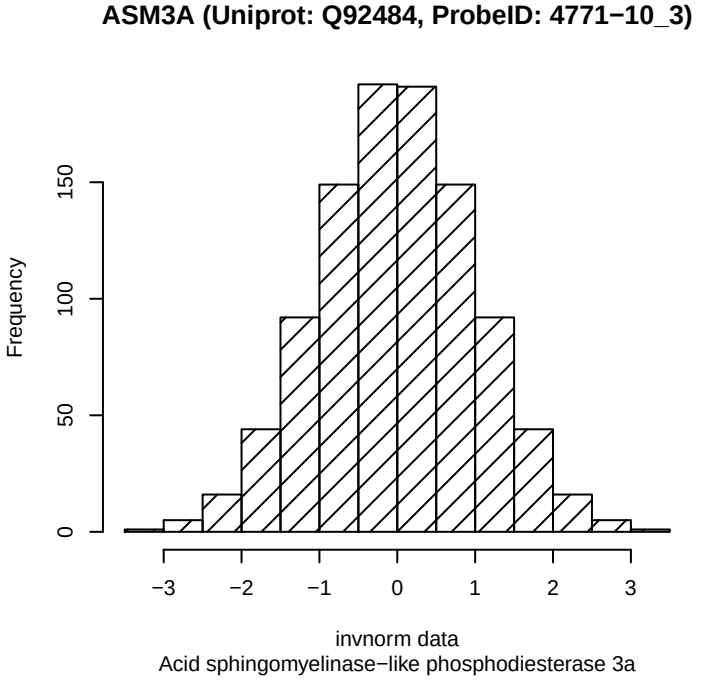

IL−1 R AcP (Uniprot: Q9NPH3, ProbeID: 2630−12_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (265)
A/G (472)
G/G (260)
rs2193873 (Chr3:190313507)
Locus 231 top sentinel (CIS), p=1.7e−17

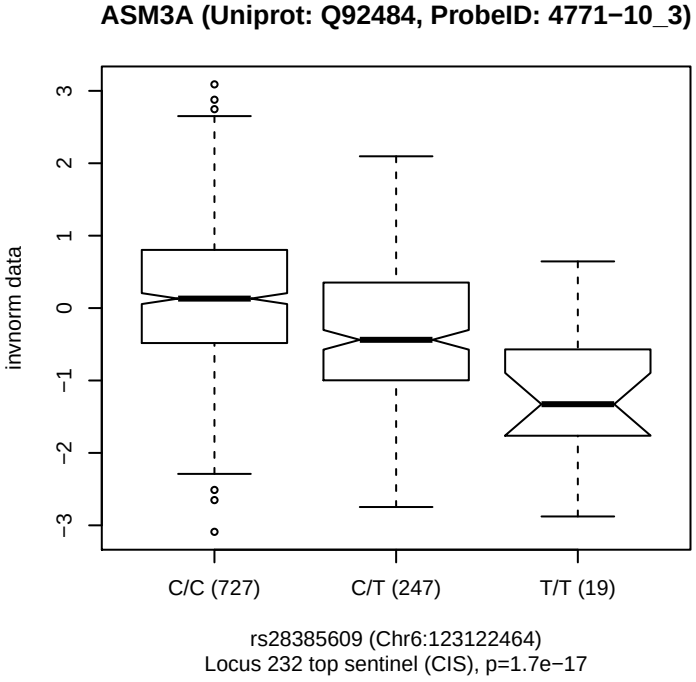

ASM3A (Uniprot: Q92484, ProbeID: 4771−10_3)
Frequency
0
200
400
600
800
1000
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
raw data
Acid sphingomyelinase−like phosphodiesterase 3a

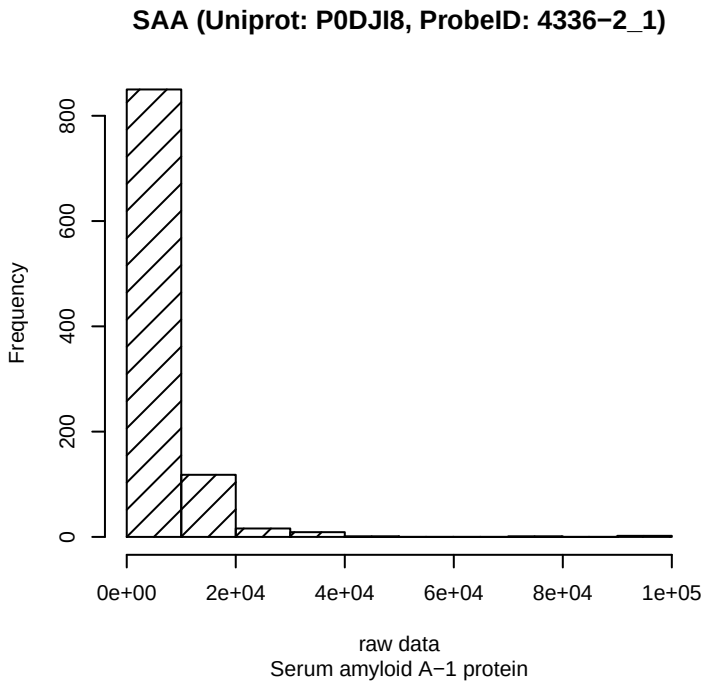

ASM3A (Uniprot: Q92484, ProbeID: 4771−10_3)
raw data
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
C/C (727)
C/T (247)
T/T (19)
rs28385609 (Chr6:123122464)
Locus 232 top sentinel (CIS), p=0.0017

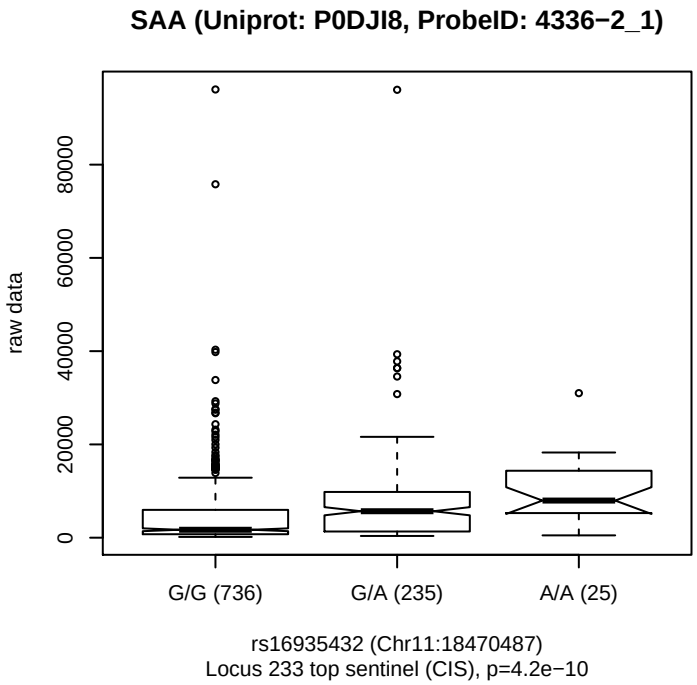

ASM3A (Uniprot: Q92484, ProbeID: 4771−10_3)
Frequency
0
200
400
600
10
11
12
13
14
15
16
17
log2−scaled data
Acid sphingomyelinase−like phosphodiesterase 3a

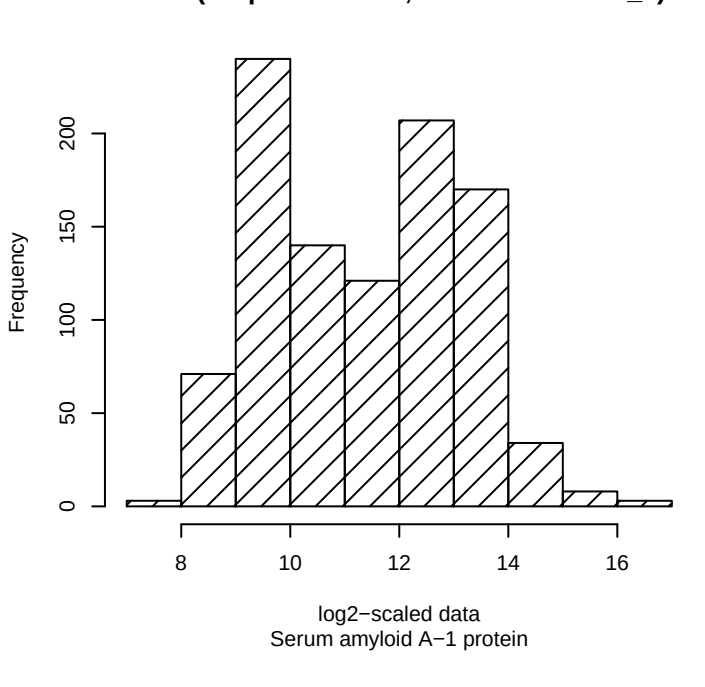

ASM3A (Uniprot: Q92484, ProbeID: 4771−10_3)
log2−scaled data
11
12
13
14
15
16
C/C (727)
C/T (247)
T/T (19)
rs28385609 (Chr6:123122464)
Locus 232 top sentinel (CIS), p=1.5e−09, FC=−1.1018

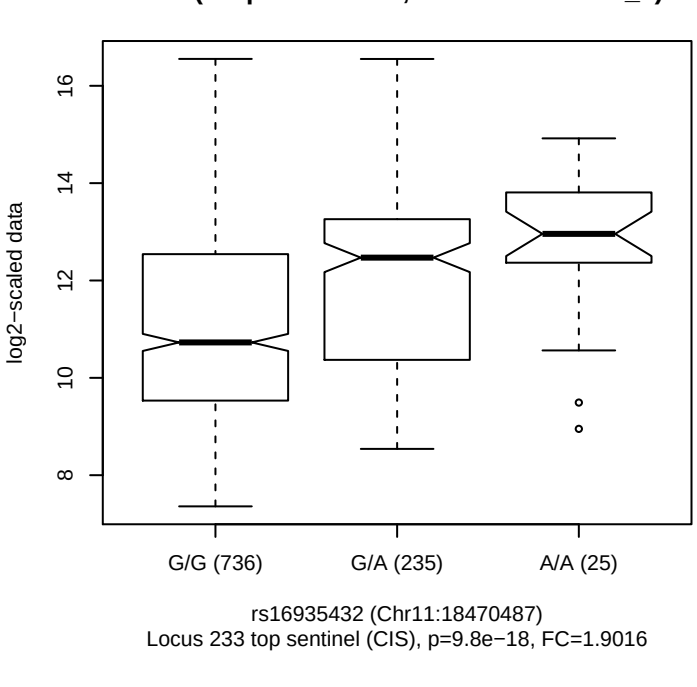

ASM3A (Uniprot: Q92484, ProbeID: 4771−10_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Acid sphingomyelinase−like phosphodiesterase 3a

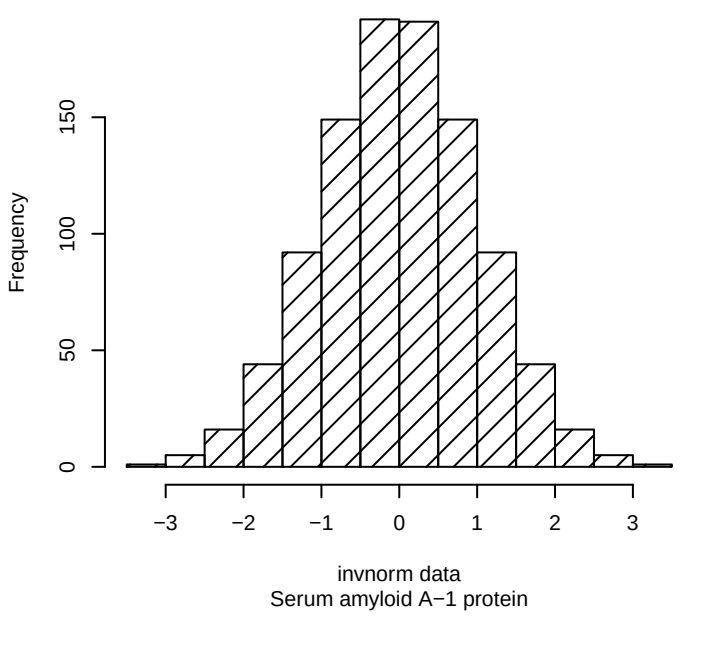

ASM3A (Uniprot: Q92484, ProbeID: 4771−10_3)
invnorm data
−3
−2
−1
0
1
2
3
C/C (727)
C/T (247)
T/T (19)
rs28385609 (Chr6:123122464)
Locus 232 top sentinel (CIS), p=1.7e−17

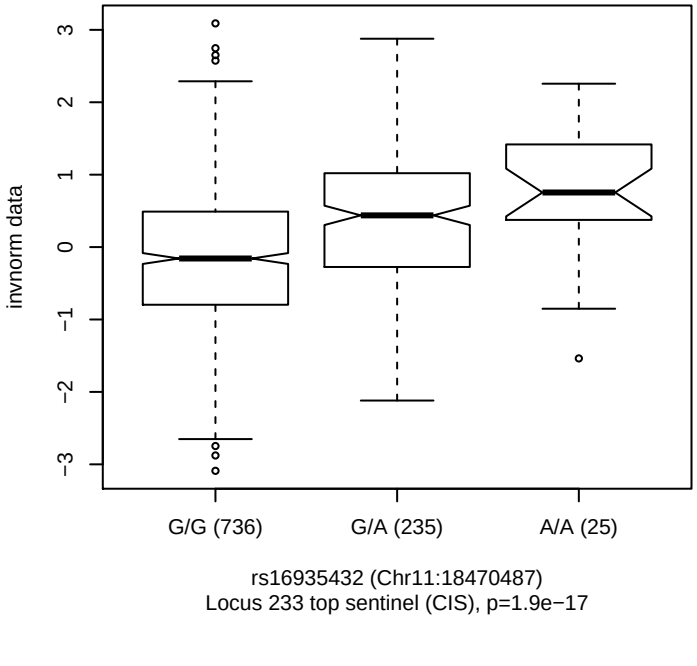

SAA (Uniprot: P0DJI8, ProbeID: 4336−2_1)
Frequency
0
200
400
600
800
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
raw data
Serum amyloid A−1 protein

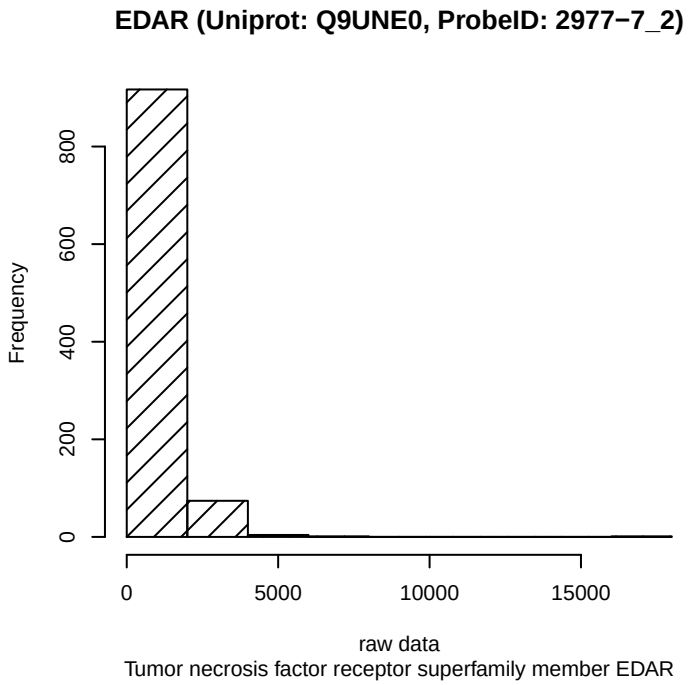

SAA (Uniprot: P0DJI8, ProbeID: 4336−2_1)
raw data
0
20000
40000
60000
80000
G/G (736)
G/A (235)
A/A (25)
rs16935432 (Chr11:18470487)
Locus 233 top sentinel (CIS), p=4.2e−10

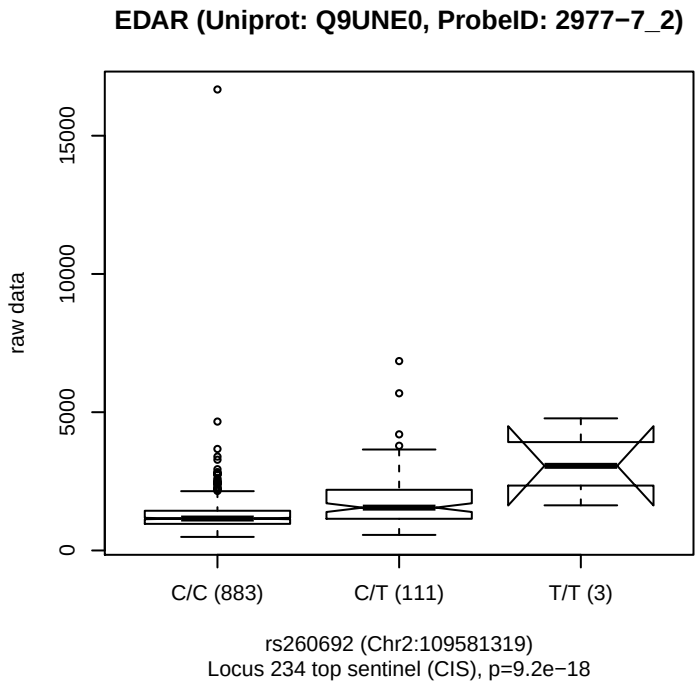

SAA (Uniprot: P0DJI8, ProbeID: 4336−2_1)
Frequency
0
50
100
150
200
8
10
12
14
16
log2−scaled data
Serum amyloid A−1 protein

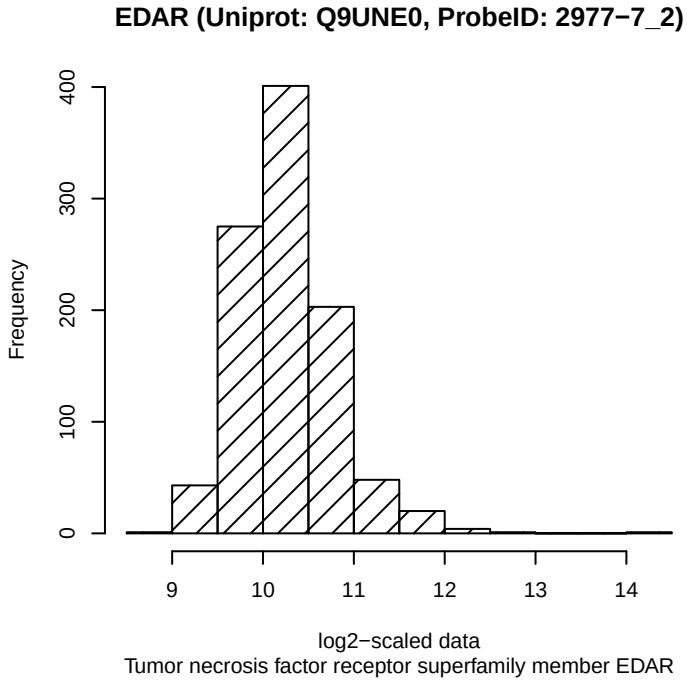

SAA (Uniprot: P0DJI8, ProbeID: 4336−2_1)
log2−scaled data
8
10
12
14
16
G/G (736)
G/A (235)
A/A (25)
rs16935432 (Chr11:18470487)
Locus 233 top sentinel (CIS), p=9.8e−18, FC=1.9016

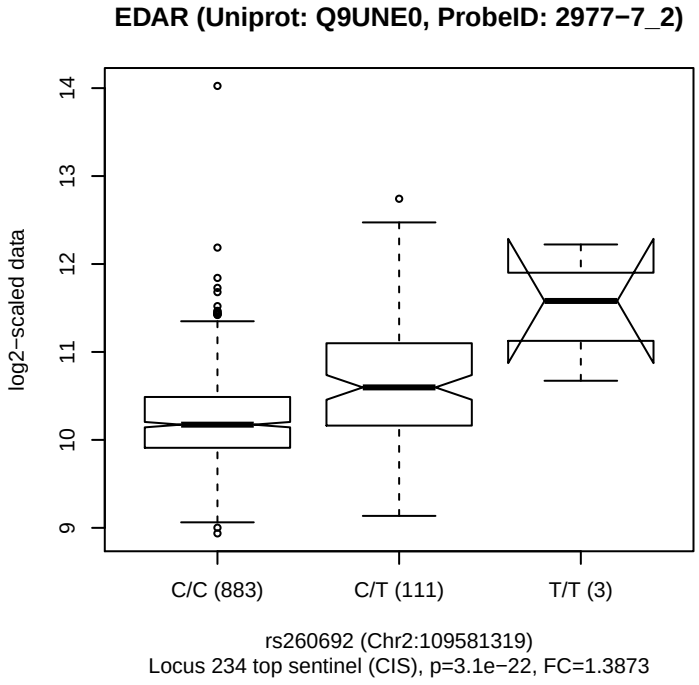

SAA (Uniprot: P0DJI8, ProbeID: 4336−2_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Serum amyloid A−1 protein

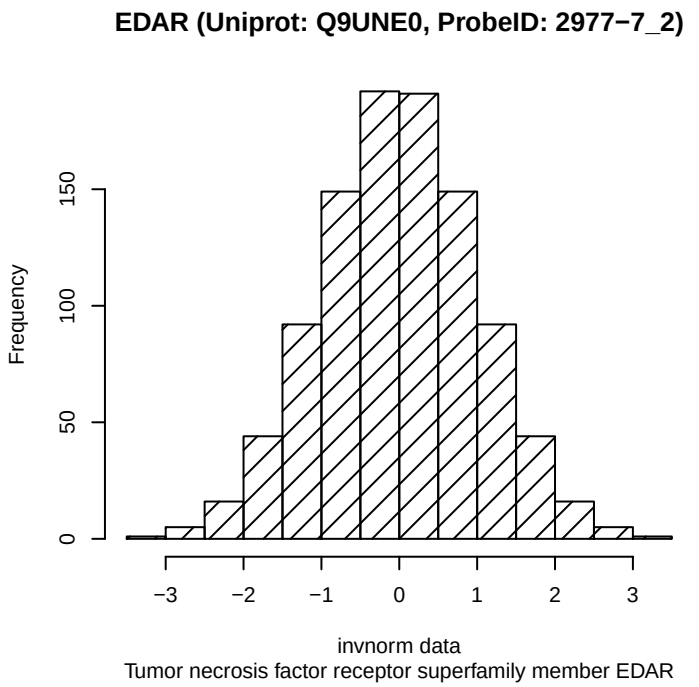

SAA (Uniprot: P0DJI8, ProbeID: 4336−2_1)
invnorm data
−3
−2
−1
0
1
2
3
G/G (736)
G/A (235)
A/A (25)
rs16935432 (Chr11:18470487)
Locus 233 top sentinel (CIS), p=1.9e−17

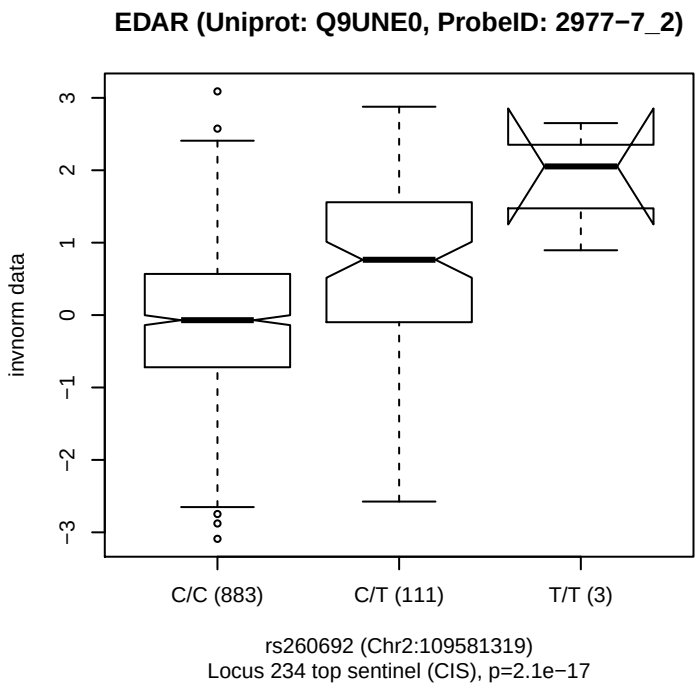

EDAR (Uniprot: Q9UNE0, ProbeID: 2977−7_2)
Frequency
0
200
400
600
800
0
5000
10000
15000
raw data
Tumor necrosis factor receptor superfamily member EDAR

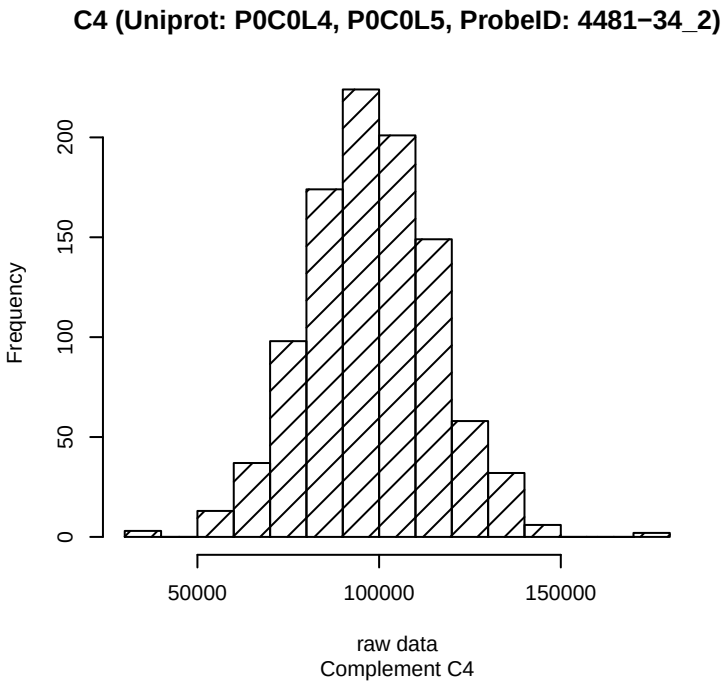

EDAR (Uniprot: Q9UNE0, ProbeID: 2977−7_2)
raw data
0
5000
10000
15000
C/C (883)
C/T (111)
T/T (3)
rs260692 (Chr2:109581319)
Locus 234 top sentinel (CIS), p=9.2e−18

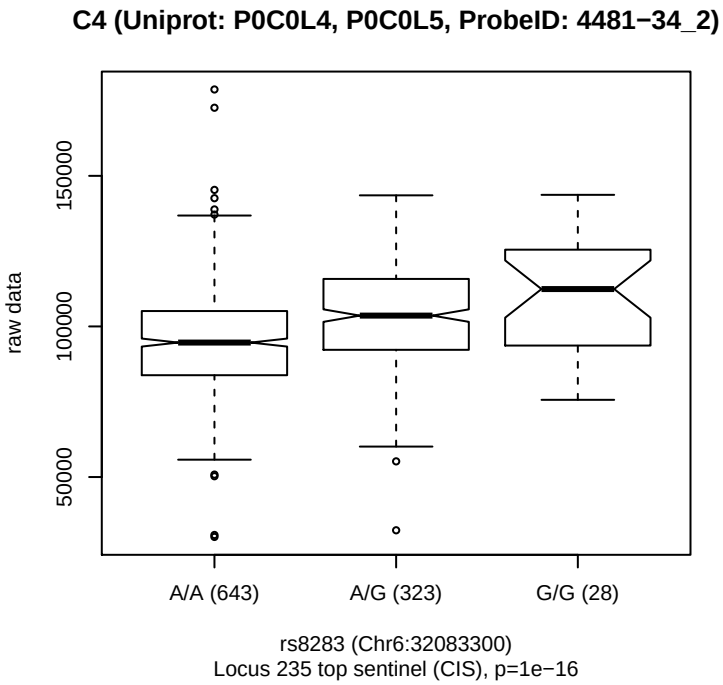

EDAR (Uniprot: Q9UNE0, ProbeID: 2977−7_2)
Frequency
0
100
200
300
400
9
10
11
12
13
14
log2−scaled data
Tumor necrosis factor receptor superfamily member EDAR

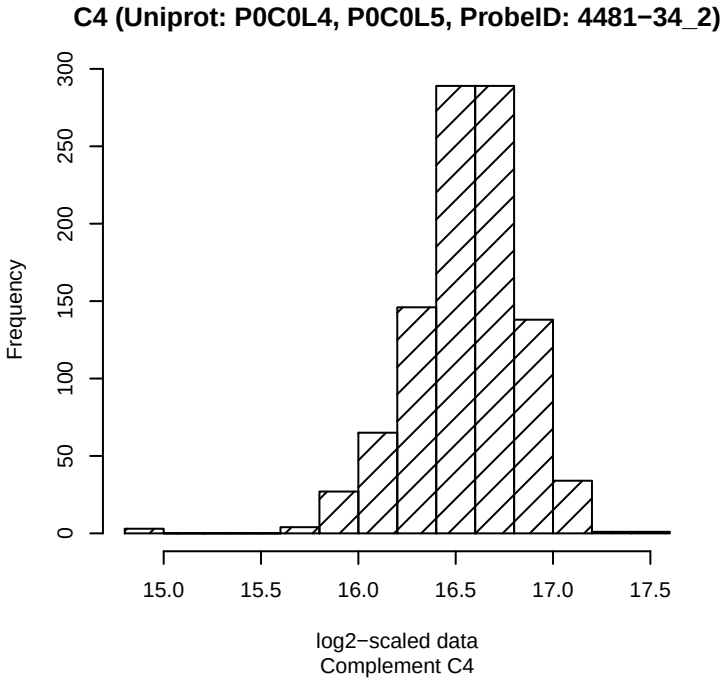

EDAR (Uniprot: Q9UNE0, ProbeID: 2977−7_2)
log2−scaled data
9
10
11
12
13
14
C/C (883)
C/T (111)
T/T (3)
rs260692 (Chr2:109581319)
Locus 234 top sentinel (CIS), p=3.1e−22, FC=1.3873

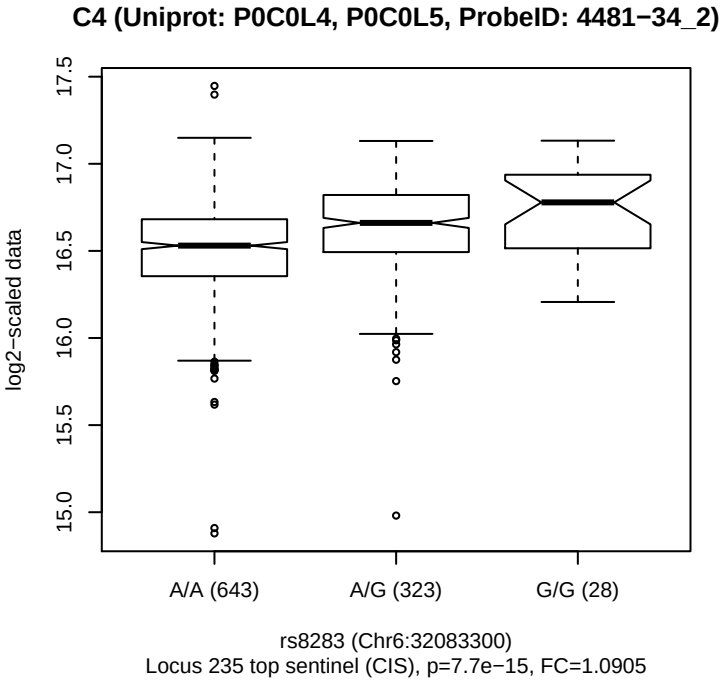

EDAR (Uniprot: Q9UNE0, ProbeID: 2977−7_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Tumor necrosis factor receptor superfamily member EDAR

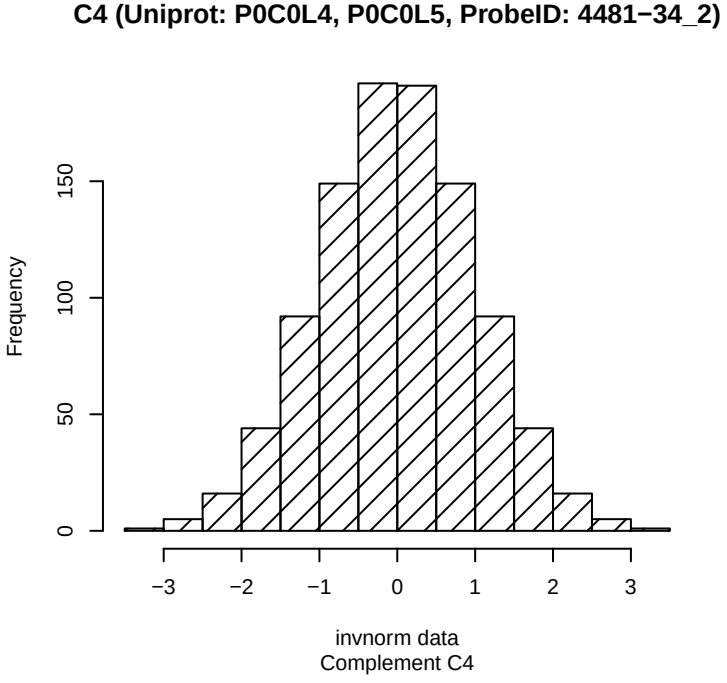

EDAR (Uniprot: Q9UNE0, ProbeID: 2977−7_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (883)
C/T (111)
T/T (3)
rs260692 (Chr2:109581319)
Locus 234 top sentinel (CIS), p=2.1e−17

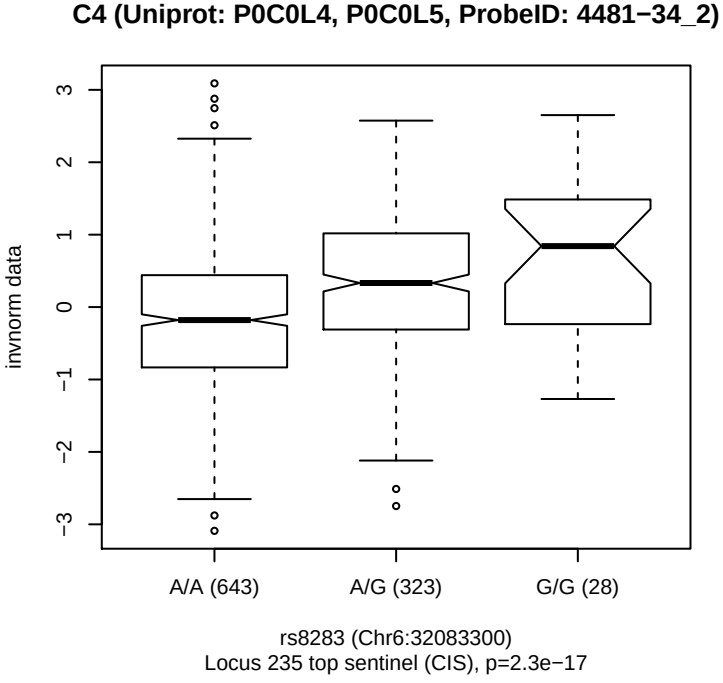

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
Frequency
0
50
100
150
200
50000
100000
150000
raw data
Complement C4

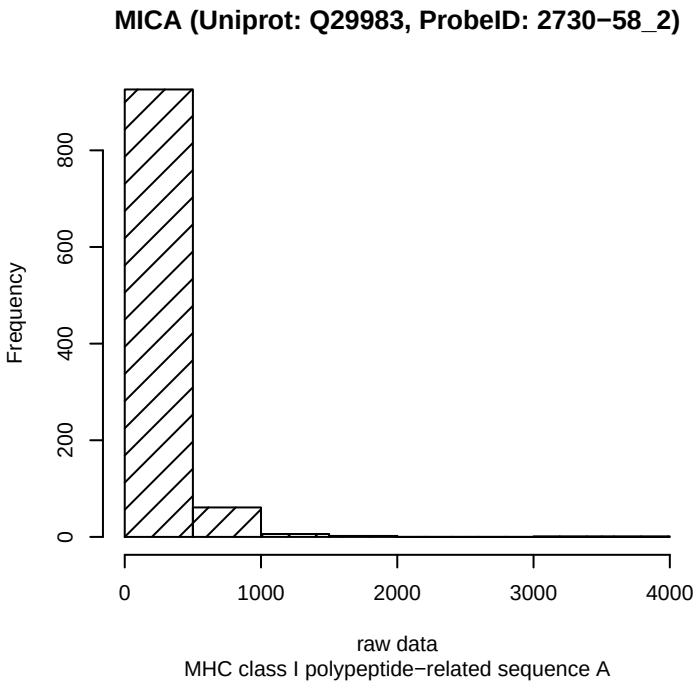

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
raw data
50000
100000
150000
A/A (643)
A/G (323)
G/G (28)
rs8283 (Chr6:32083300)
Locus 235 top sentinel (CIS), p=1e−16

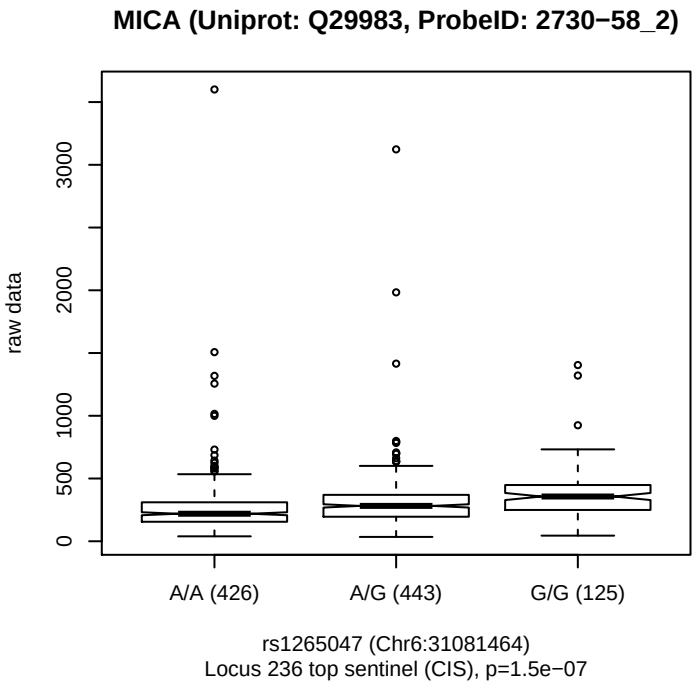

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
Frequency
0
50
100
150
200
250
300
15.0
15.5
16.0
16.5
17.0
17.5
log2−scaled data
Complement C4

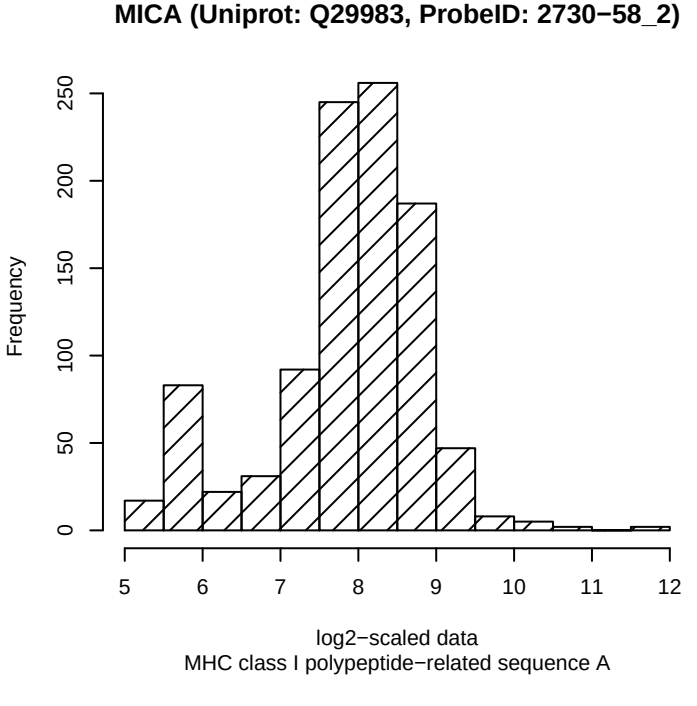

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
log2−scaled data
15.0
15.5
16.0
16.5
17.0
17.5
A/A (643)
A/G (323)
G/G (28)
rs8283 (Chr6:32083300)
Locus 235 top sentinel (CIS), p=7.7e−15, FC=1.0905

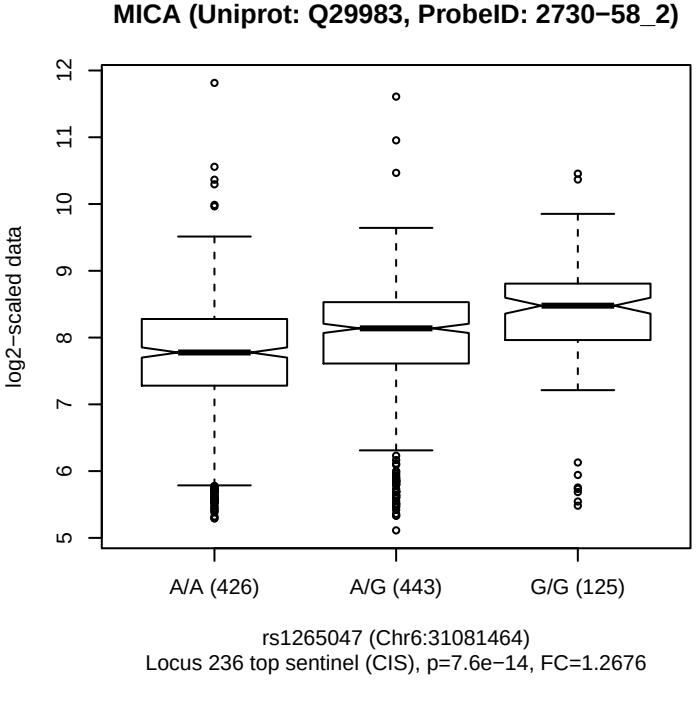

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Complement C4

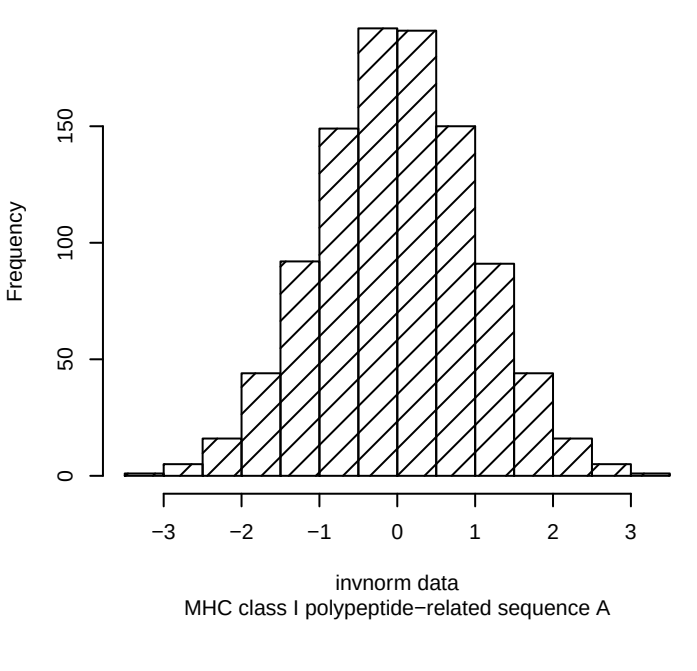

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (643)
A/G (323)
G/G (28)
rs8283 (Chr6:32083300)
Locus 235 top sentinel (CIS), p=2.3e−17

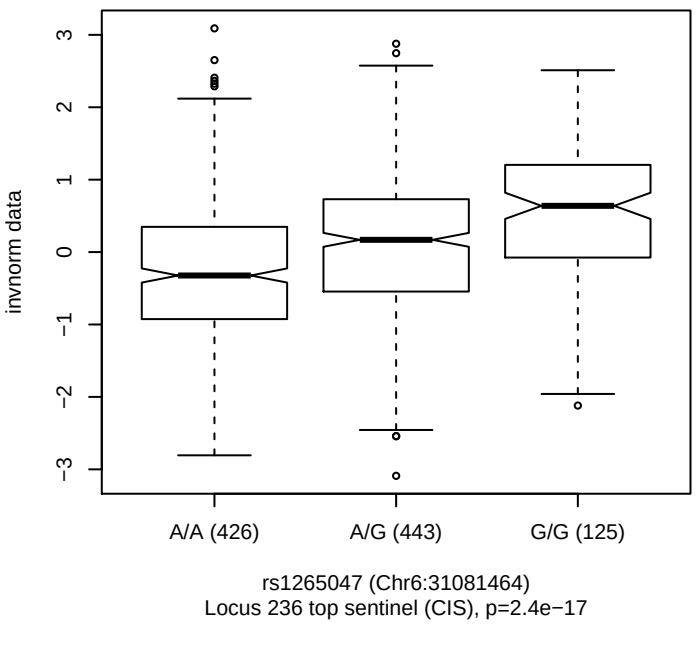

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
200
400
600
800
0
1000
2000
3000
4000
raw data
MHC class I polypeptide−related sequence A

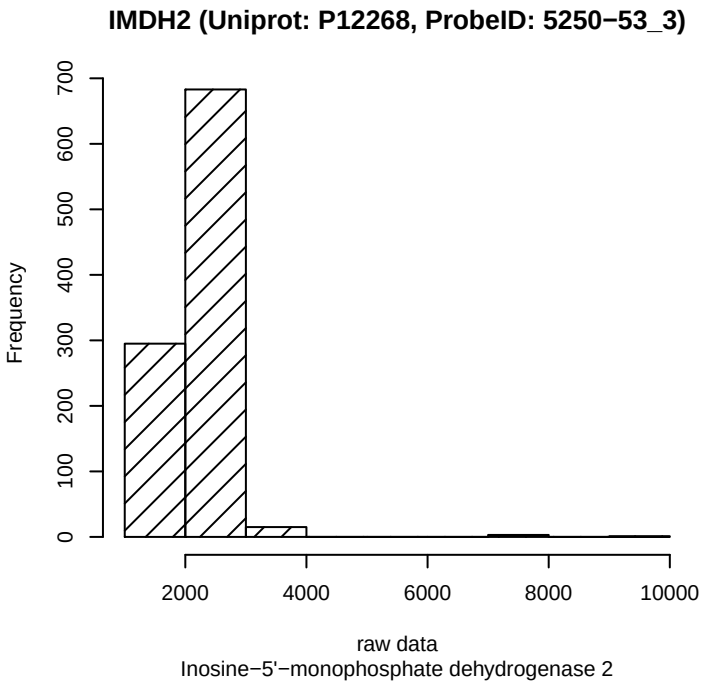

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
raw data
0
500
1000
2000
3000
A/A (426)
A/G (443)
G/G (125)
rs1265047 (Chr6:31081464)
Locus 236 top sentinel (CIS), p=1.5e−07

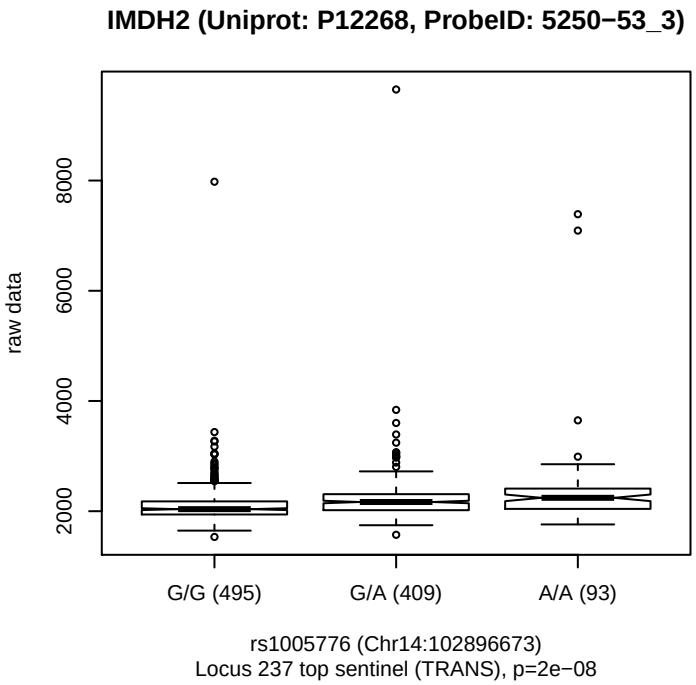

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
200
250
5
6
7
8
9
10
11
12
log2−scaled data
MHC class I polypeptide−related sequence A

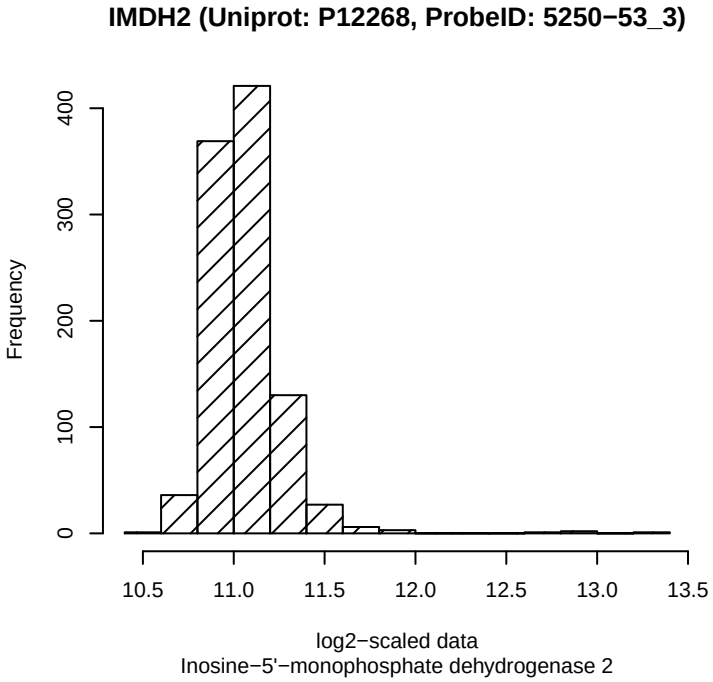

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
log2−scaled data
5
6
7
8
9
10
11
12
A/A (426)
A/G (443)
G/G (125)
rs1265047 (Chr6:31081464)
Locus 236 top sentinel (CIS), p=7.6e−14, FC=1.2676

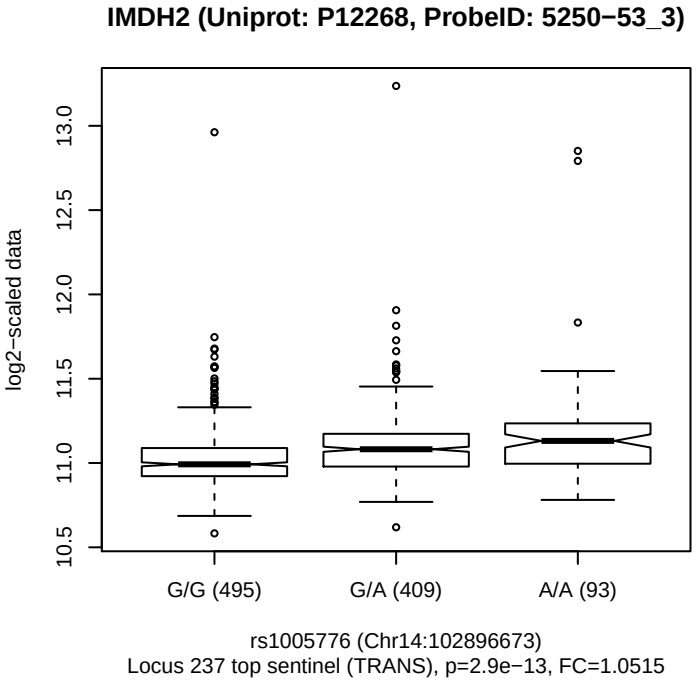

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence A

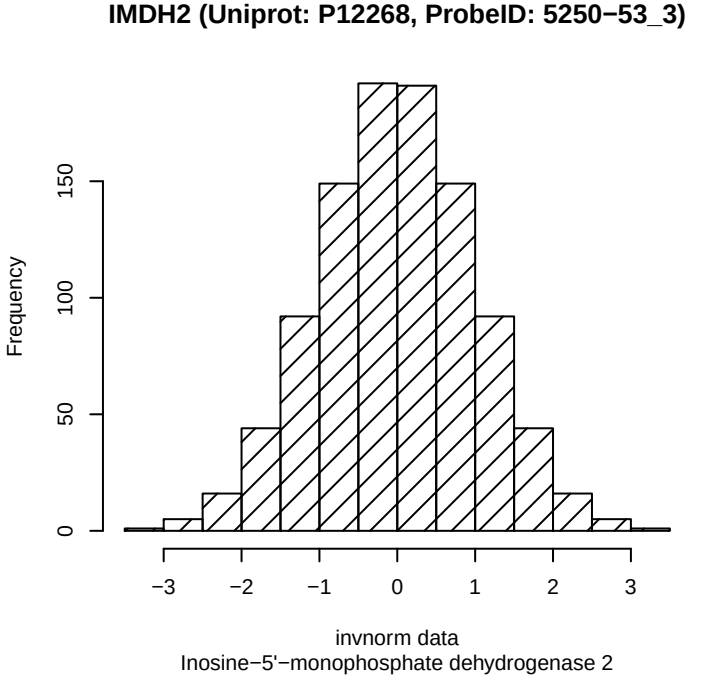

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (426)
A/G (443)
G/G (125)
rs1265047 (Chr6:31081464)
Locus 236 top sentinel (CIS), p=2.4e−17

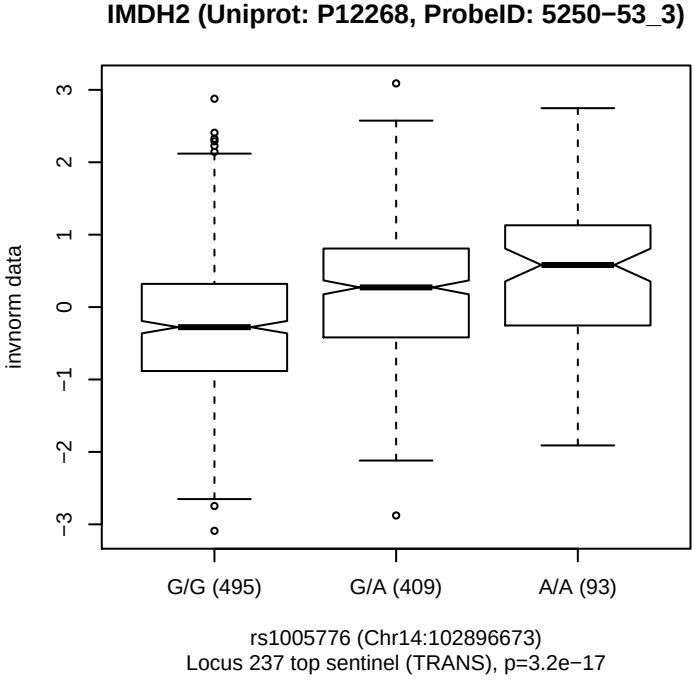

IMDH2 (Uniprot: P12268, ProbeID: 5250−53_3)
Frequency
0
100
200
300
400
500
600
700
2000
4000
6000
8000
10000
raw data
Inosine−5'−monophosphate dehydrogenase 2

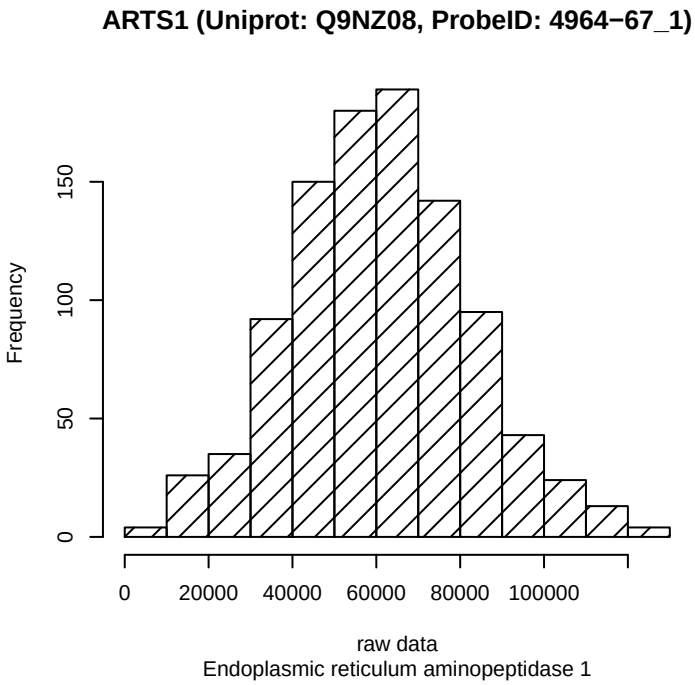

IMDH2 (Uniprot: P12268, ProbeID: 5250−53_3)
raw data
2000
4000
6000
8000
G/G (495)
G/A (409)
A/A (93)
rs1005776 (Chr14:102896673)
Locus 237 top sentinel (TRANS), p=2e−08

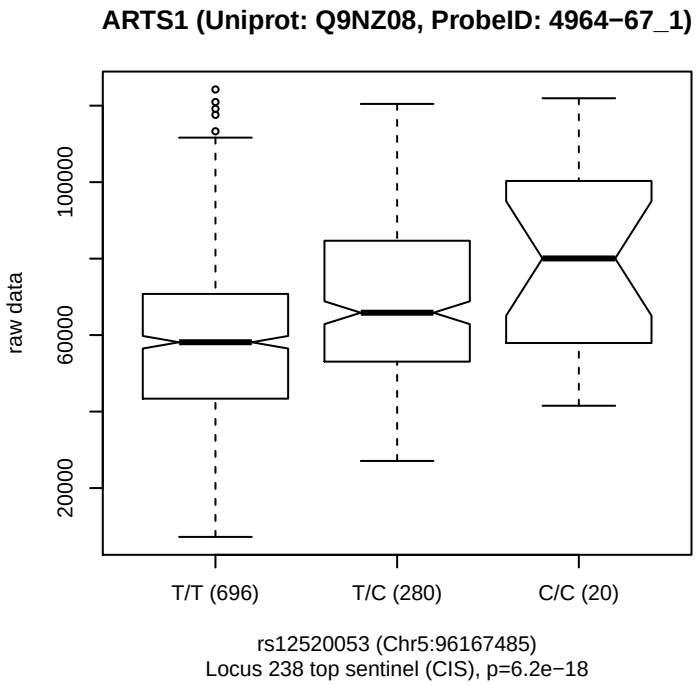

IMDH2 (Uniprot: P12268, ProbeID: 5250−53_3)
Frequency
0
100
200
300
400
10.5
11.0
11.5
12.0
12.5
13.0
13.5
log2−scaled data
Inosine−5'−monophosphate dehydrogenase 2

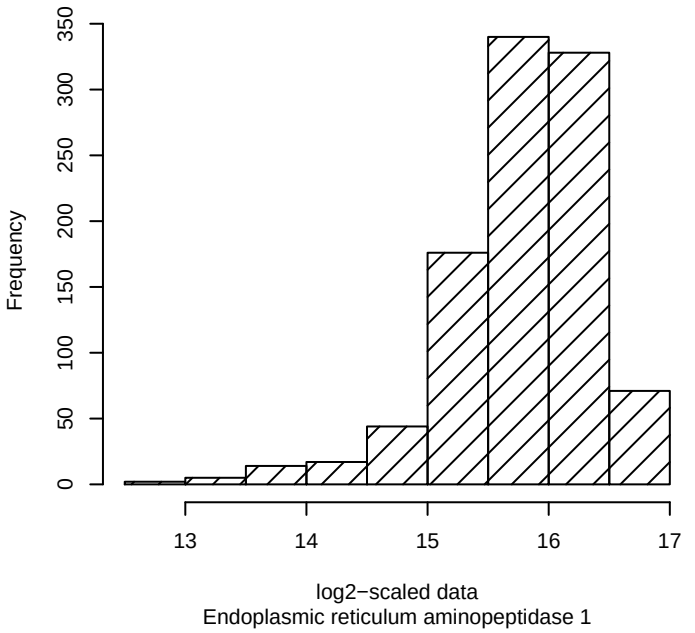

IMDH2 (Uniprot: P12268, ProbeID: 5250−53_3)
log2−scaled data
10.5
11.0
11.5
12.0
12.5
13.0
G/G (495)
G/A (409)
A/A (93)
rs1005776 (Chr14:102896673)
Locus 237 top sentinel (TRANS), p=2.9e−13, FC=1.0515

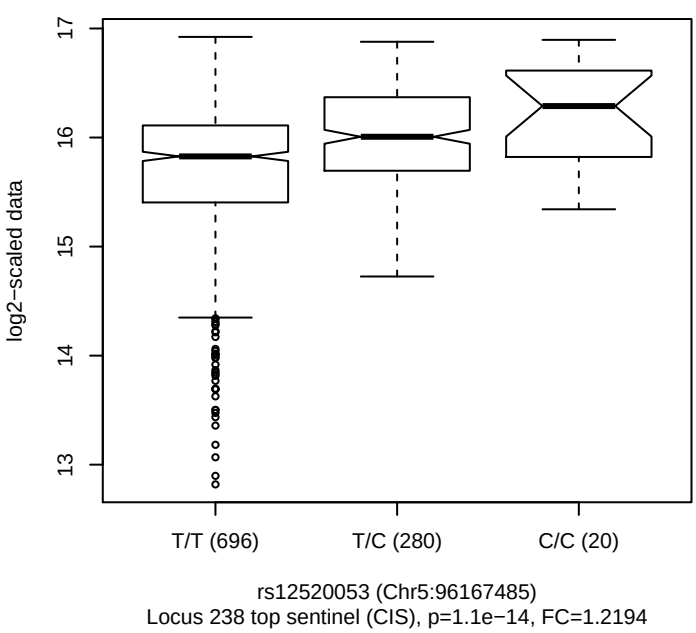

IMDH2 (Uniprot: P12268, ProbeID: 5250−53_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Inosine−5'−monophosphate dehydrogenase 2

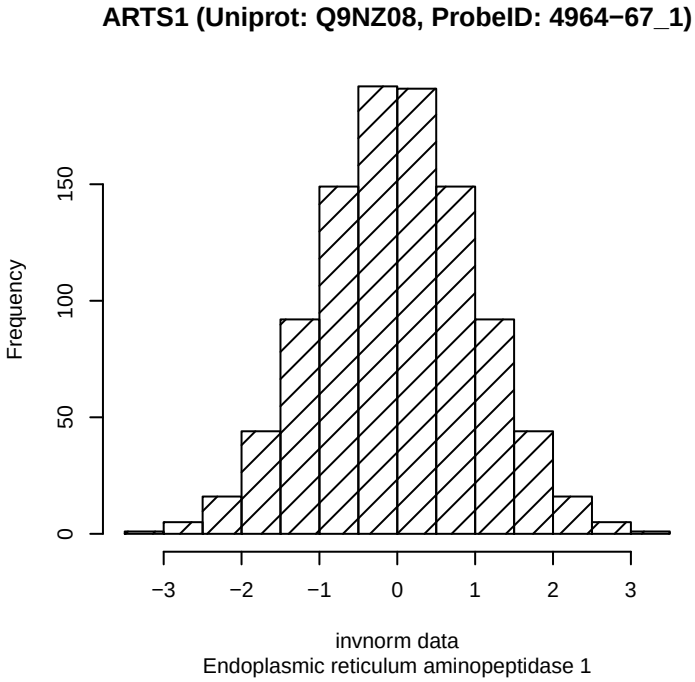

IMDH2 (Uniprot: P12268, ProbeID: 5250−53_3)
invnorm data
−3
−2
−1
0
1
2
3
G/G (495)
G/A (409)
A/A (93)
rs1005776 (Chr14:102896673)
Locus 237 top sentinel (TRANS), p=3.2e−17

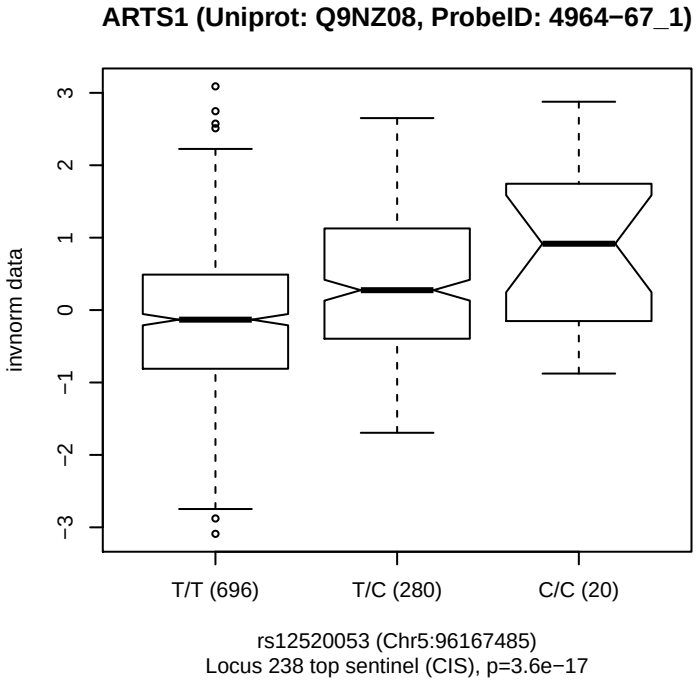

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
Frequency
0
50
100
150
0
20000
40000
60000
80000
100000
raw data
Endoplasmic reticulum aminopeptidase 1

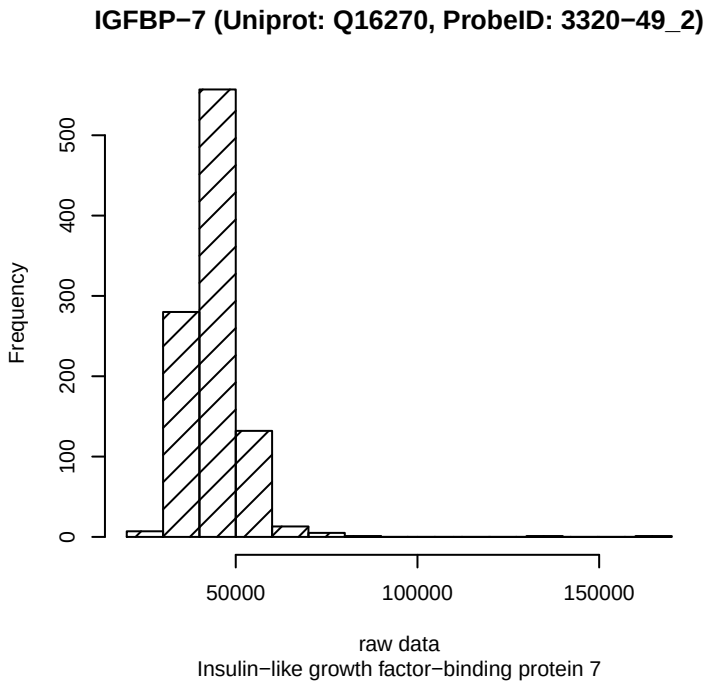

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
raw data
20000
60000
100000
T/T (696)
T/C (280)
C/C (20)
rs12520053 (Chr5:96167485)
Locus 238 top sentinel (CIS), p=6.2e−18

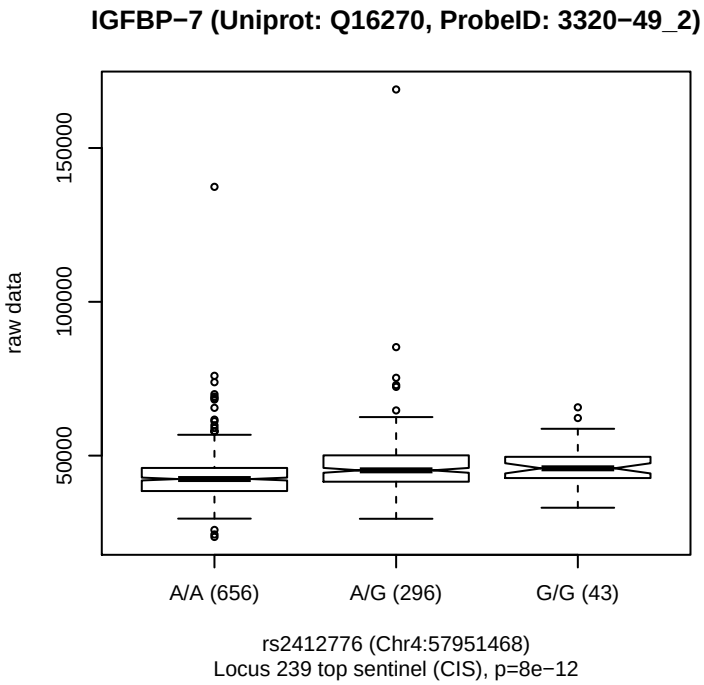

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
Frequency
0
50
100
150
200
250
300
350
13
14
15
16
17
log2−scaled data
Endoplasmic reticulum aminopeptidase 1

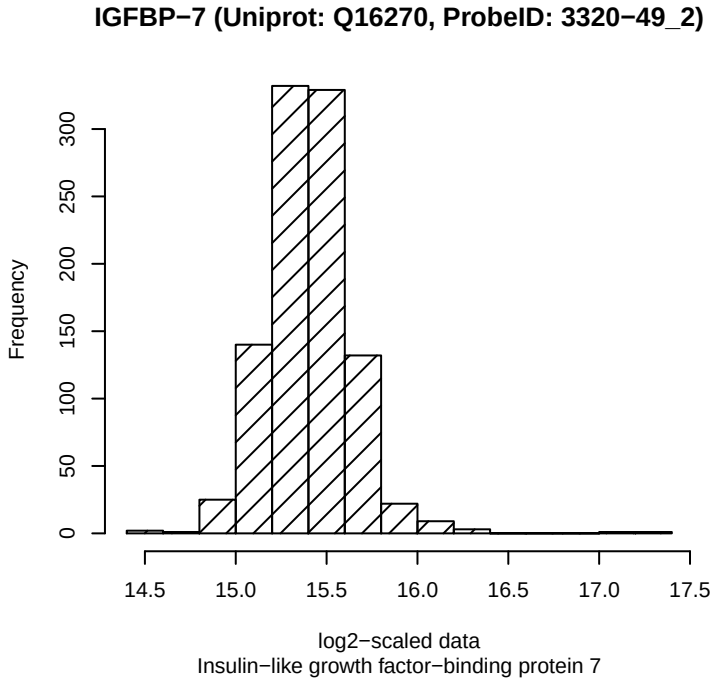

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
log2−scaled data
13
14
15
16
17
T/T (696)
T/C (280)
C/C (20)
rs12520053 (Chr5:96167485)
Locus 238 top sentinel (CIS), p=1.1e−14, FC=1.2194

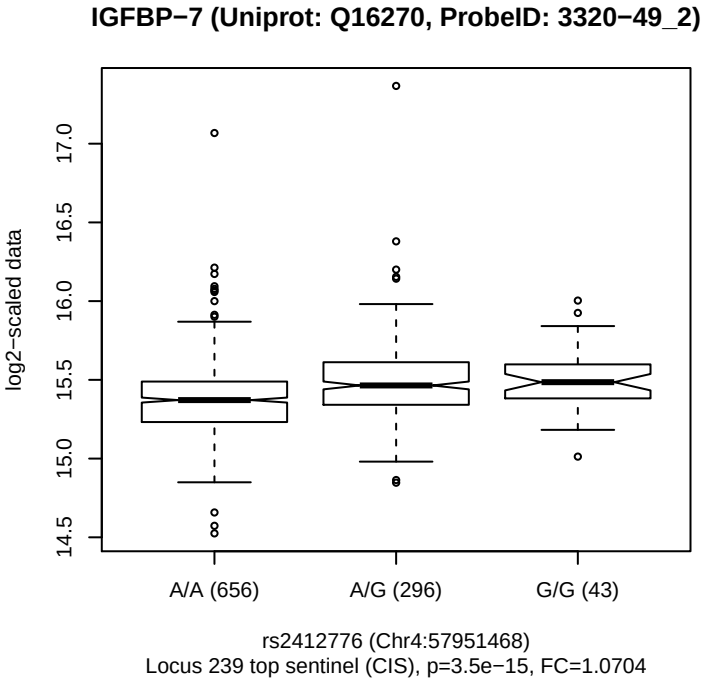

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Endoplasmic reticulum aminopeptidase 1

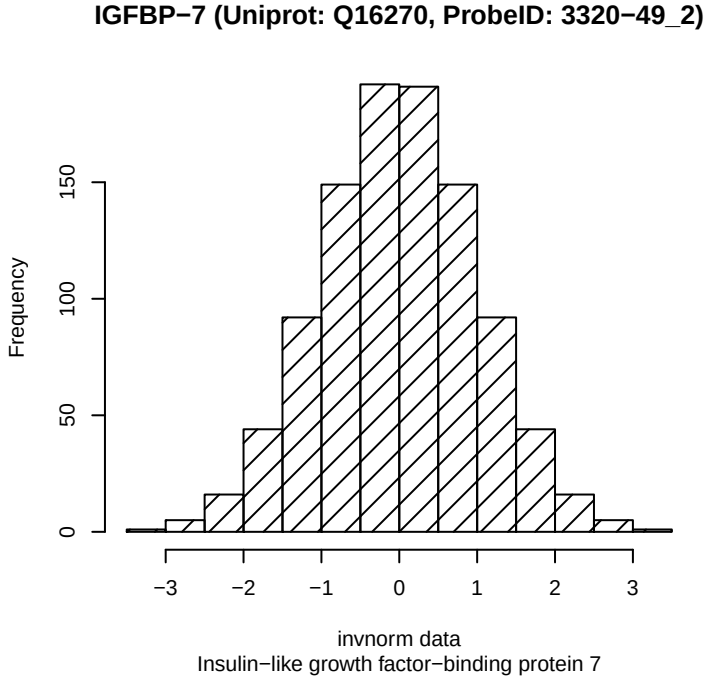

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
invnorm data
−3
−2
−1
0
1
2
3
T/T (696)
T/C (280)
C/C (20)
rs12520053 (Chr5:96167485)
Locus 238 top sentinel (CIS), p=3.6e−17

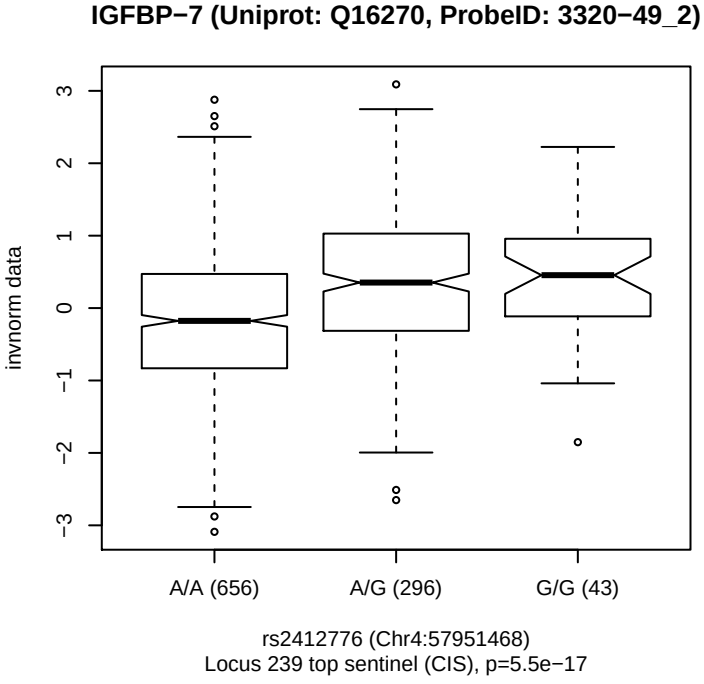

IGFBP−7 (Uniprot: Q16270, ProbeID: 3320−49_2)
Frequency
0
100
200
300
400
500
50000
100000
150000
raw data
Insulin−like growth factor−binding protein 7


IGFBP−7 (Uniprot: Q16270, ProbeID: 3320−49_2)
raw data
50000
100000
150000
A/A (656)
A/G (296)
G/G (43)
rs2412776 (Chr4:57951468)
Locus 239 top sentinel (CIS), p=8e−12

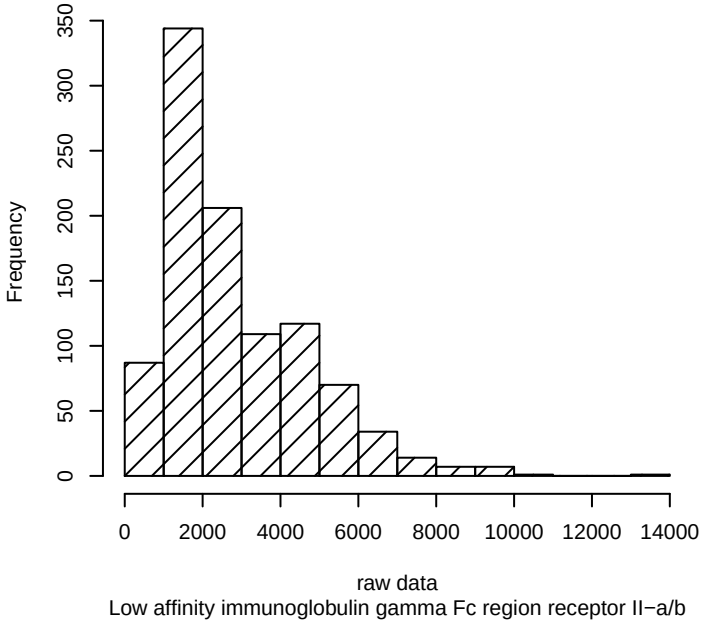

IGFBP−7 (Uniprot: Q16270, ProbeID: 3320−49_2)
Frequency
0
50
100
150
200
250
300
14.5
15.0
15.5
16.0
16.5
17.0
17.5
log2−scaled data
Insulin−like growth factor−binding protein 7


IGFBP−7 (Uniprot: Q16270, ProbeID: 3320−49_2)
log2−scaled data
14.5
15.0
15.5
16.0
16.5
17.0
A/A (656)
A/G (296)
G/G (43)
rs2412776 (Chr4:57951468)
Locus 239 top sentinel (CIS), p=3.5e−15, FC=1.0704


IGFBP−7 (Uniprot: Q16270, ProbeID: 3320−49_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Insulin−like growth factor−binding protein 7

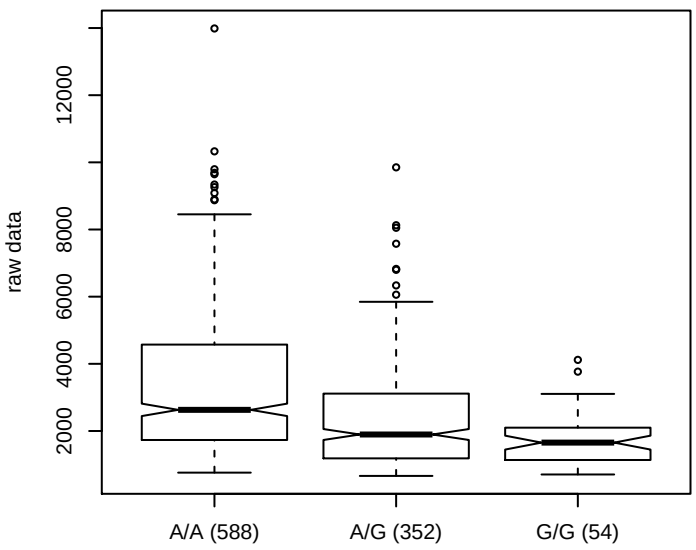

IGFBP−7 (Uniprot: Q16270, ProbeID: 3320−49_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (656)
A/G (296)
G/G (43)
rs2412776 (Chr4:57951468)
Locus 239 top sentinel (CIS), p=5.5e−17

**FCG2A/B (Uniprot: P12318 P31994, ProbeID: 3310−62_1**



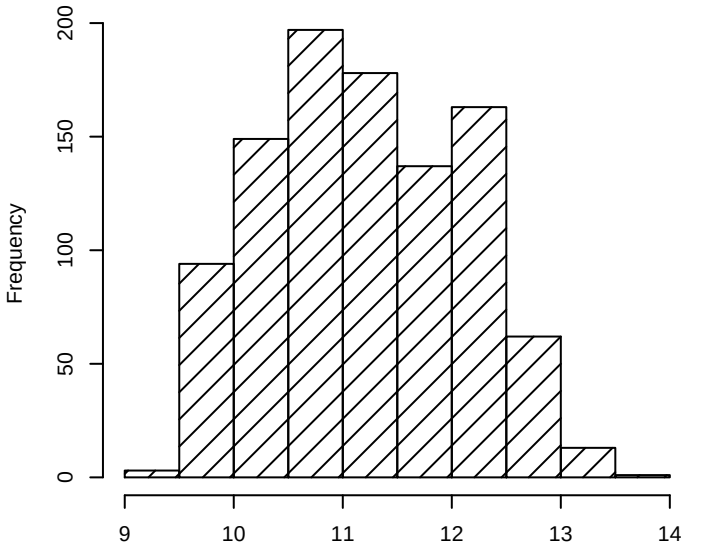

raw data
Low affinity immunoglobulin gamma Fc region receptor II−a/b

**FCG2A/B (Uniprot: P12318 P31994, ProbeID: 3310−62_1**



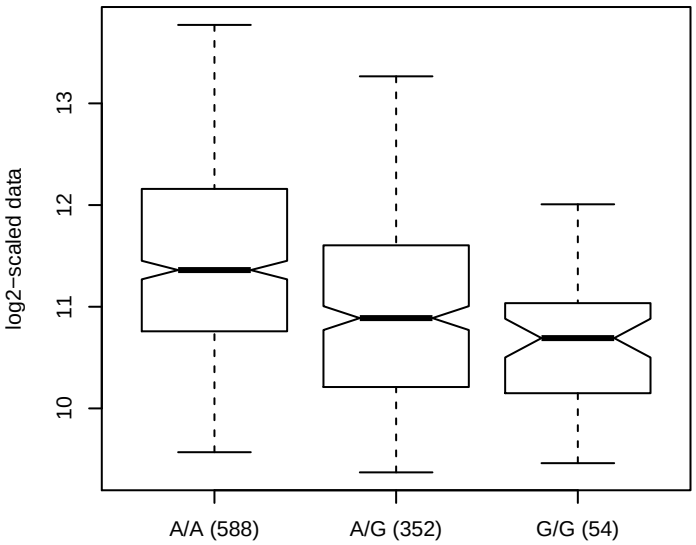

rs6668534 (Chr1:161671995)
Locus 240 top sentinel (CIS), p=3.5e−17

**FCG2A/B (Uniprot: P12318 P31994, ProbeID: 3310−62_1**



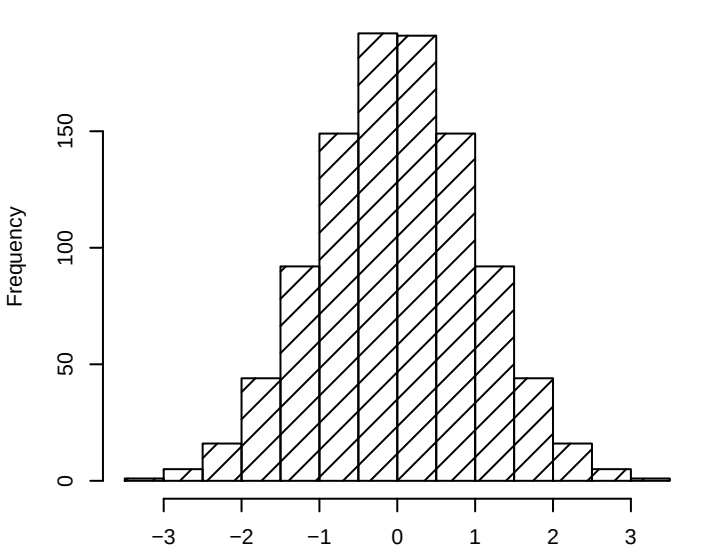

log2−scaled data
Low affinity immunoglobulin gamma Fc region receptor II−a/b

**FCG2A/B (Uniprot: P12318 P31994, ProbeID: 3310−62_1**



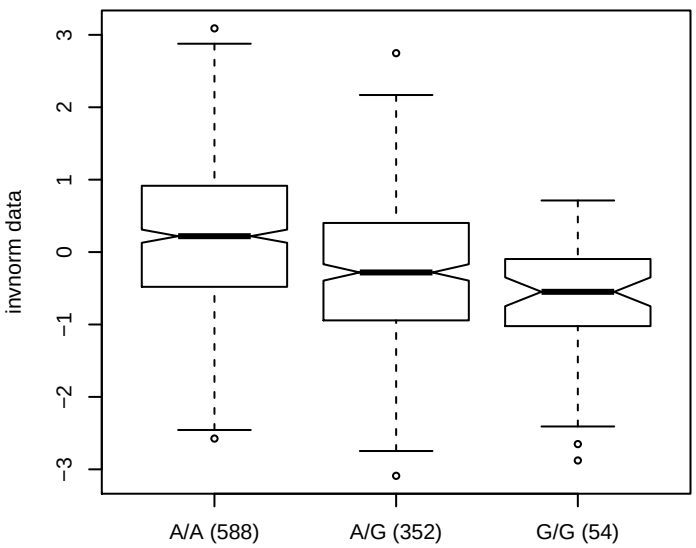

rs6668534 (Chr1:161671995)
Locus 240 top sentinel (CIS), p=5.5e−18, FC=−1.32

**FCG2A/B (Uniprot: P12318 P31994, ProbeID: 3310−62_1**

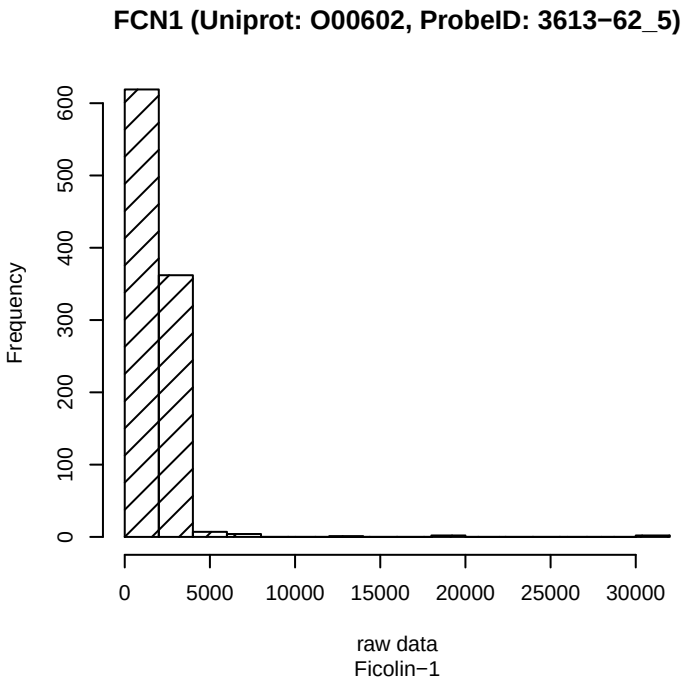


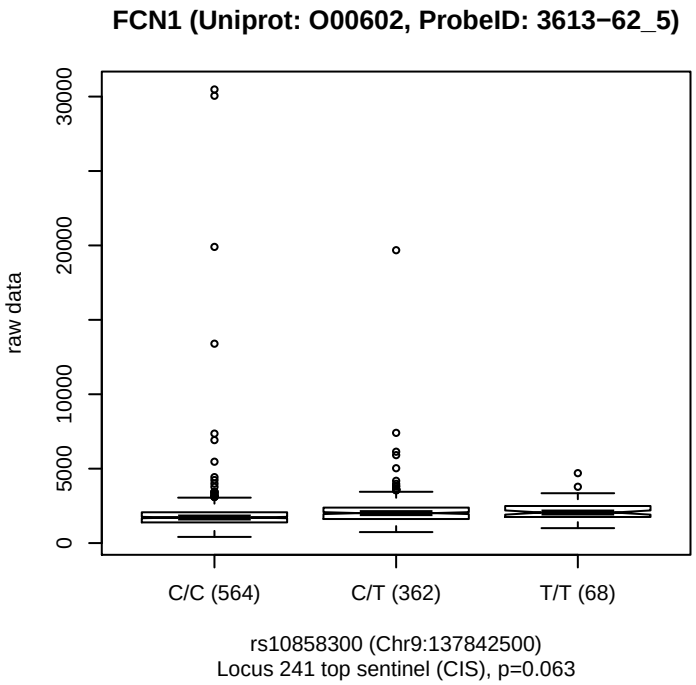

invnorm data
Low affinity immunoglobulin gamma Fc region receptor II−a/b

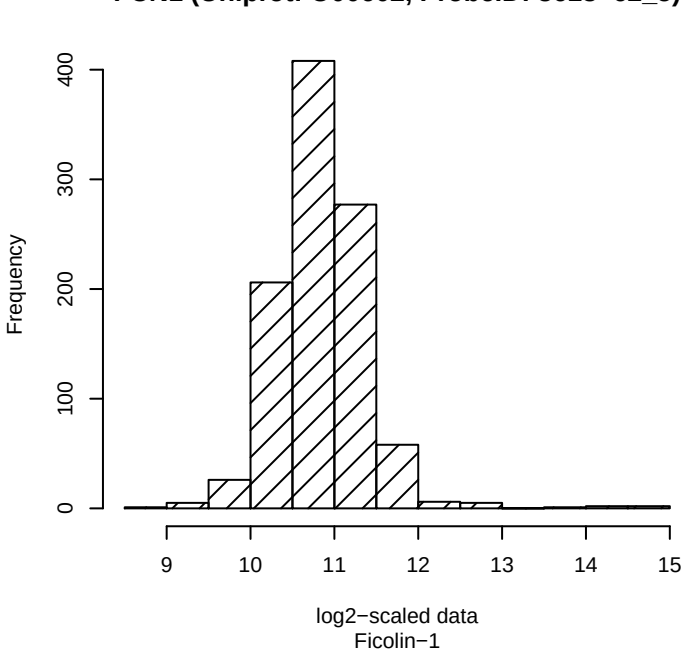
**FCG2A/B (Uniprot: P12318 P31994, ProbeID: 3310−62_1**

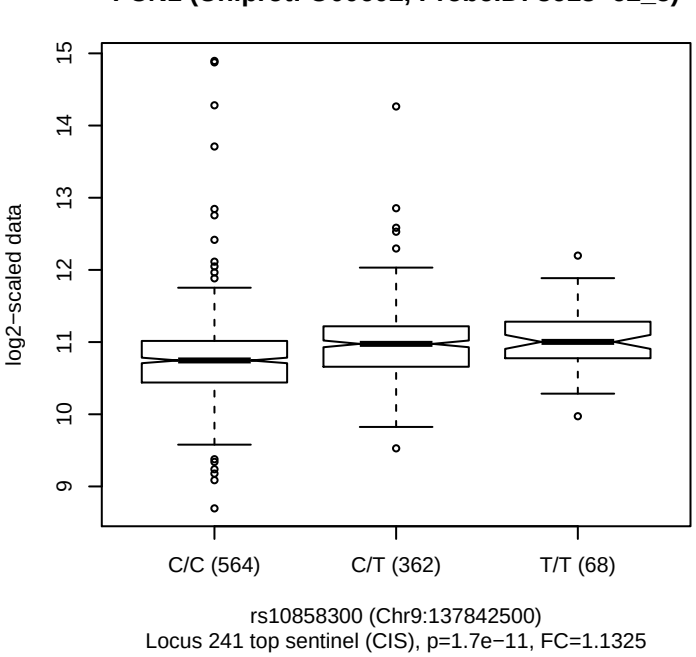


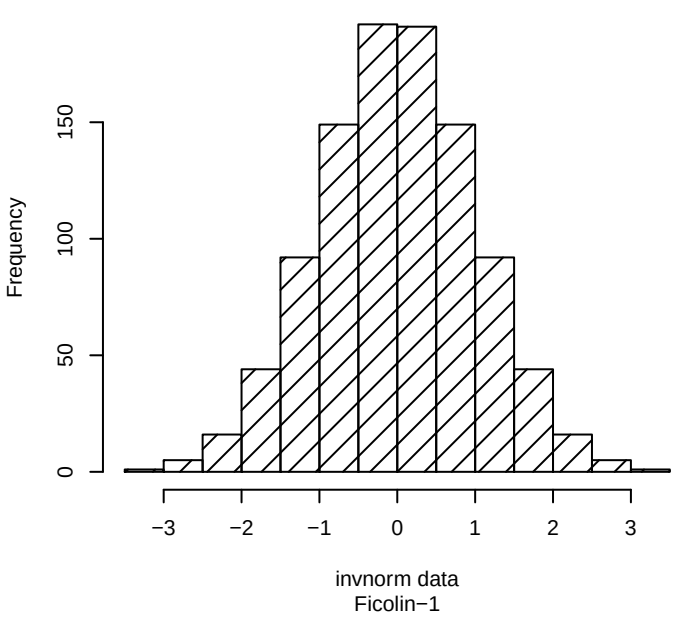

rs6668534 (Chr1:161671995)
Locus 240 top sentinel (CIS), p=6e−17

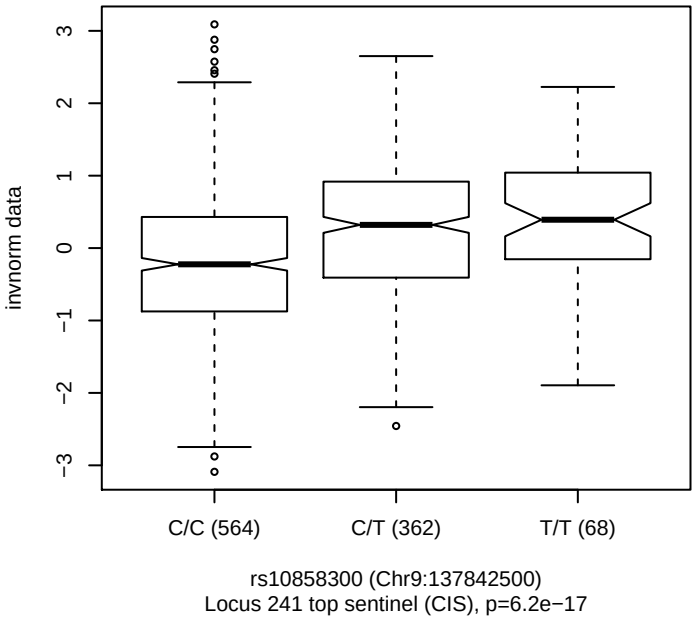

FCN1 (Uniprot: O00602, ProbeID: 3613−62_5)
Frequency
0
100
200
300
400
500
600
0
5000
10000
15000
20000
25000
30000
raw data
Ficolin−1

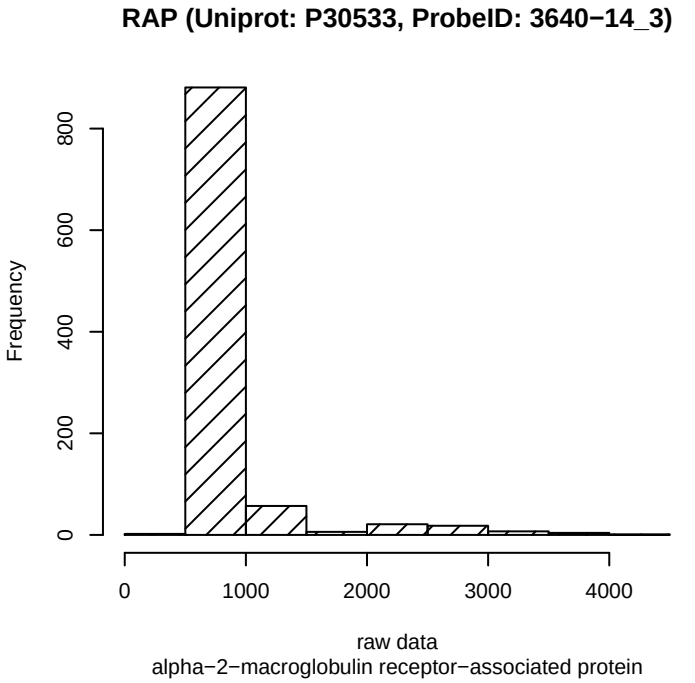

FCN1 (Uniprot: O00602, ProbeID: 3613−62_5)
raw data
0
5000
10000
20000
30000
C/C (564)
C/T (362)
T/T (68)
rs10858300 (Chr9:137842500)
Locus 241 top sentinel (CIS), p=0.063

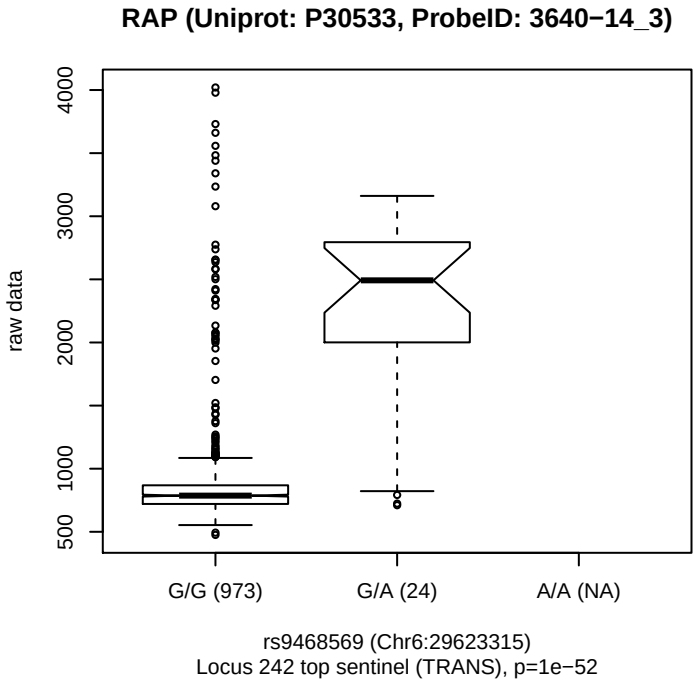

FCN1 (Uniprot: O00602, ProbeID: 3613−62_5)
Frequency
0
100
200
300
400
9
10
11
12
13
14
15
log2−scaled data
Ficolin−1

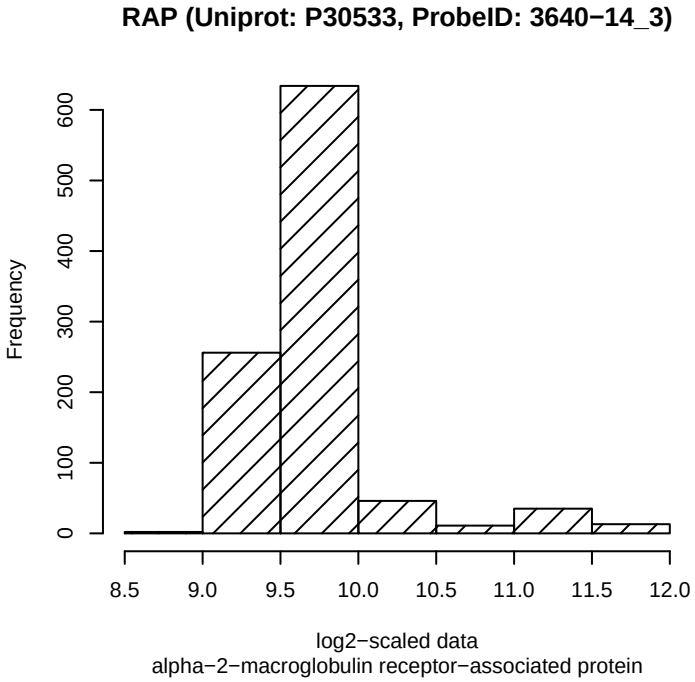

FCN1 (Uniprot: O00602, ProbeID: 3613−62_5)
log2−scaled data
9
10
11
12
13
14
15
C/C (564)
C/T (362)
T/T (68)
rs10858300 (Chr9:137842500)
Locus 241 top sentinel (CIS), p=1.7e−11, FC=1.1325

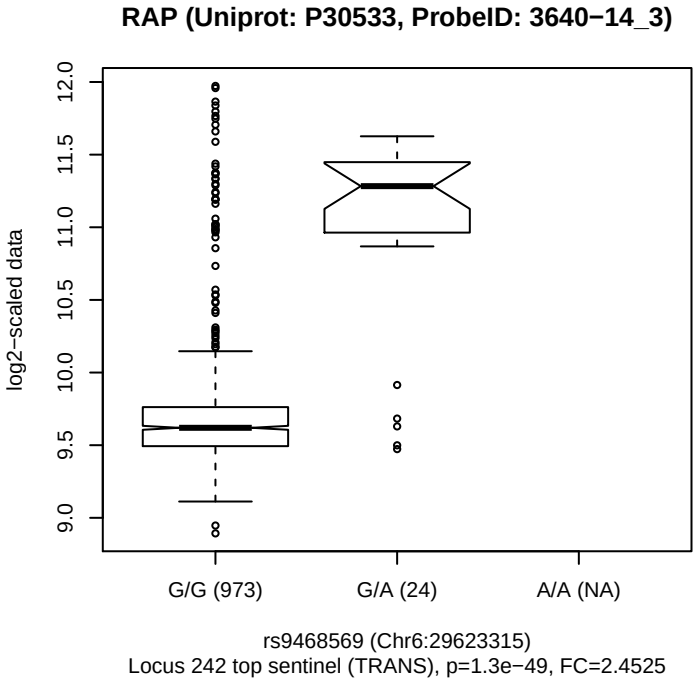

FCN1 (Uniprot: O00602, ProbeID: 3613−62_5)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Ficolin−1

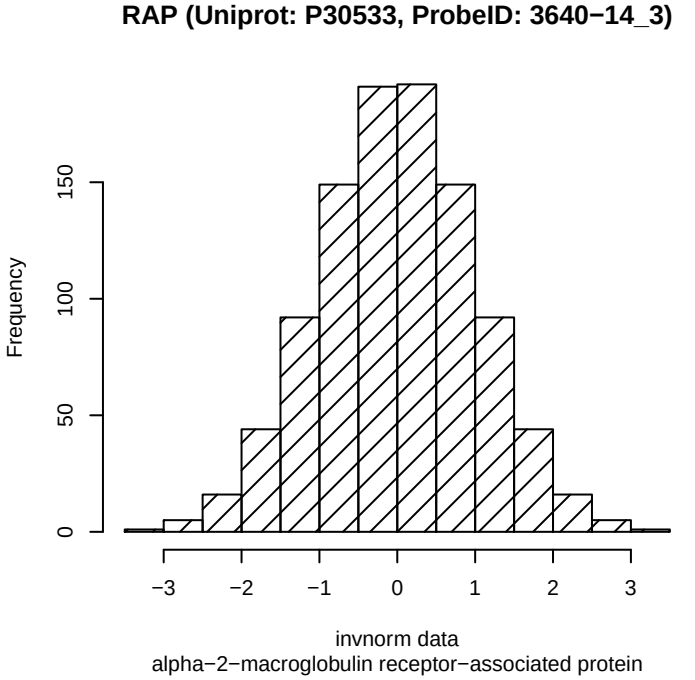

FCN1 (Uniprot: O00602, ProbeID: 3613−62_5)
invnorm data
−3
−2
−1
0
1
2
3
C/C (564)
C/T (362)
T/T (68)
rs10858300 (Chr9:137842500)
Locus 241 top sentinel (CIS), p=6.2e−17

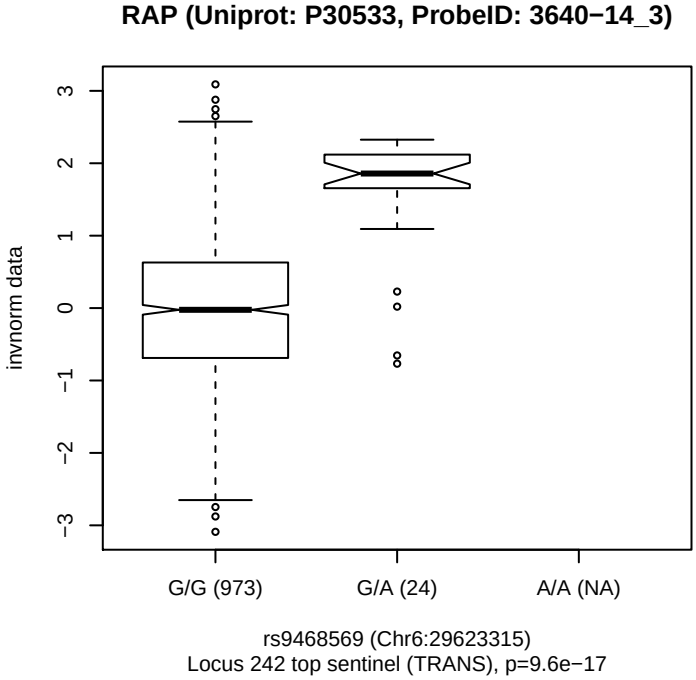

RAP (Uniprot: P30533, ProbeID: 3640−14_3)
Frequency
0
200
400
600
800
0
1000
2000
3000
4000
raw data
alpha−2−macroglobulin receptor−associated protein


RAP (Uniprot: P30533, ProbeID: 3640−14_3)
raw data
500
1000
2000
3000
4000
G/G (973)
G/A (24)
A/A (NA)
rs9468569 (Chr6:29623315)
Locus 242 top sentinel (TRANS), p=1e−52

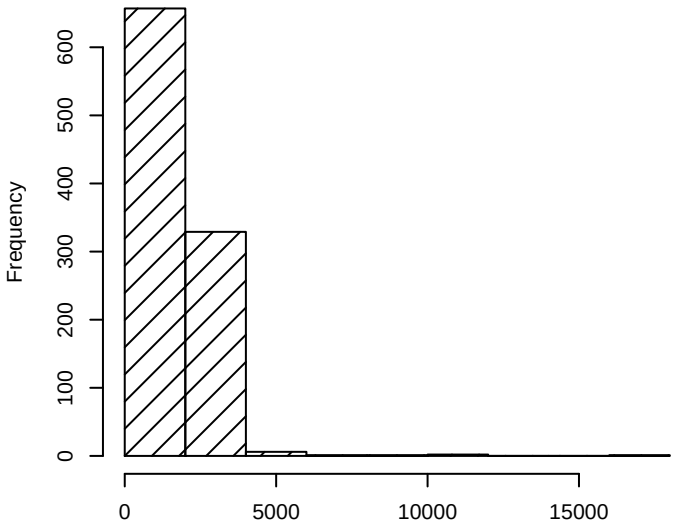

RAP (Uniprot: P30533, ProbeID: 3640−14_3)
Frequency
0
100
200
300
400
500
600
8.5
9.0
9.5
10.0
10.5
11.0
11.5
12.0
log2−scaled data
alpha−2−macroglobulin receptor−associated protein


RAP (Uniprot: P30533, ProbeID: 3640−14_3)
log2−scaled data
9.0
9.5
10.0
10.5
11.0
11.5
12.0
G/G (973)
G/A (24)
A/A (NA)
rs9468569 (Chr6:29623315)
Locus 242 top sentinel (TRANS), p=1.3e−49, FC=2.4525


RAP (Uniprot: P30533, ProbeID: 3640−14_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
alpha−2−macroglobulin receptor−associated protein

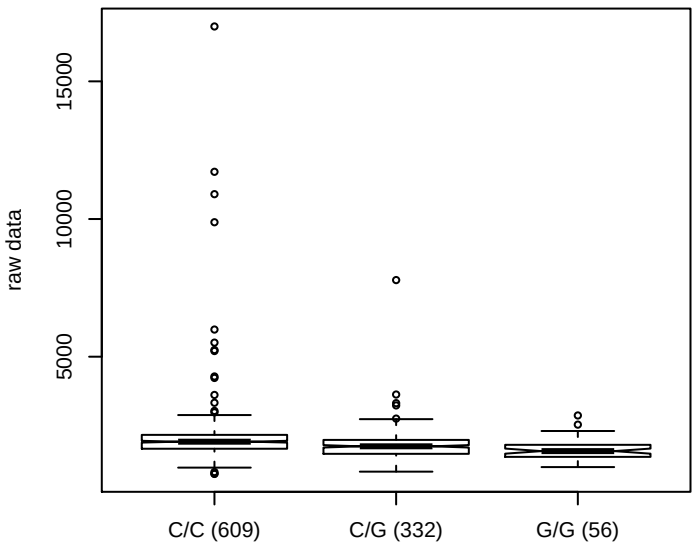

RAP (Uniprot: P30533, ProbeID: 3640−14_3)
invnorm data
−3
−2
−1
0
1
2
3
G/G (973)
G/A (24)
A/A (NA)
rs9468569 (Chr6:29623315)
Locus 242 top sentinel (TRANS), p=9.6e−17

**PCSK7 (Uniprot: Q16549, ProbeID: 4459−68_2)**



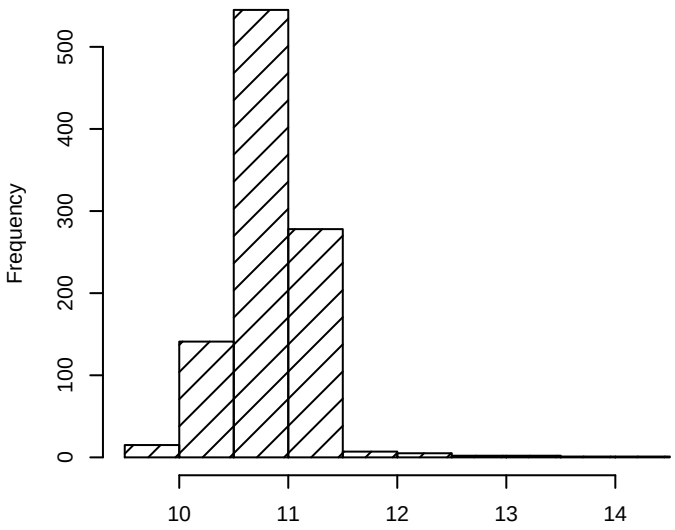

raw data
Proprotein convertase subtilisin/kexin type 7

**PCSK7 (Uniprot: Q16549, ProbeID: 4459−68_2)**



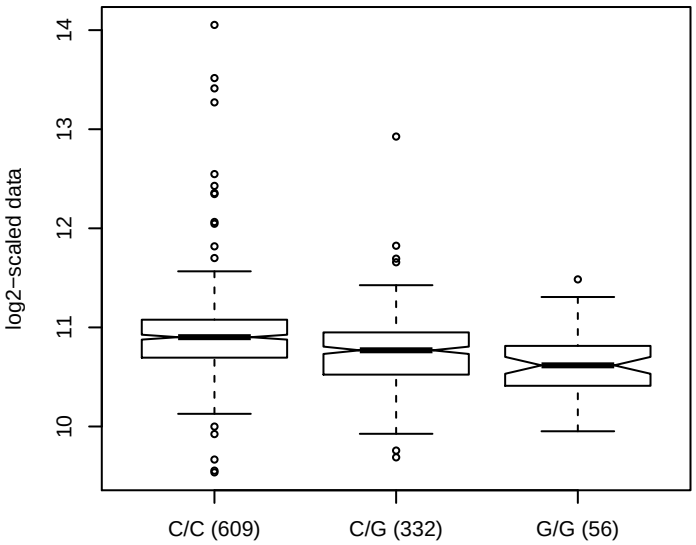

rs4938330 (Chr11:116928514)
Locus 243 top sentinel (CIS), p=5e−07

**PCSK7 (Uniprot: Q16549, ProbeID: 4459−68_2)**



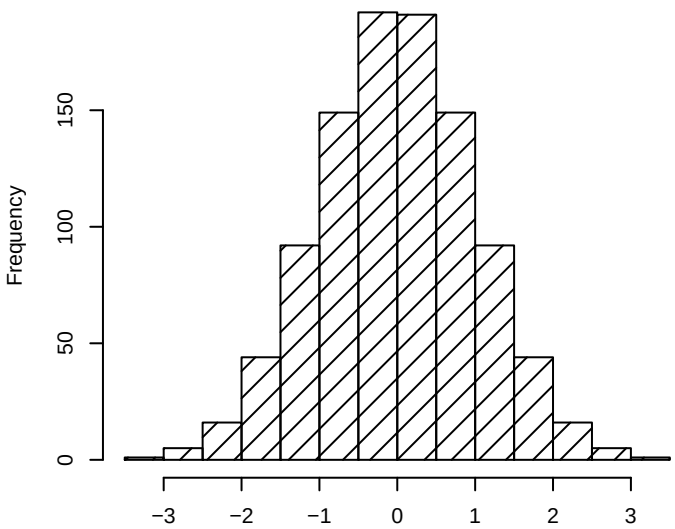

log2−scaled data
Proprotein convertase subtilisin/kexin type 7

**PCSK7 (Uniprot: Q16549, ProbeID: 4459−68_2)**



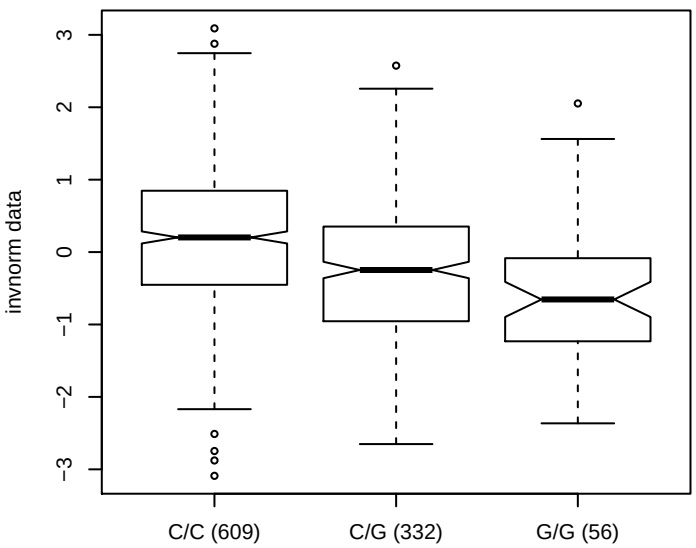

rs4938330 (Chr11:116928514)
Locus 243 top sentinel (CIS), p=4.4e−14, FC=−1.1113

**PCSK7 (Uniprot: Q16549, ProbeID: 4459−68_2)**

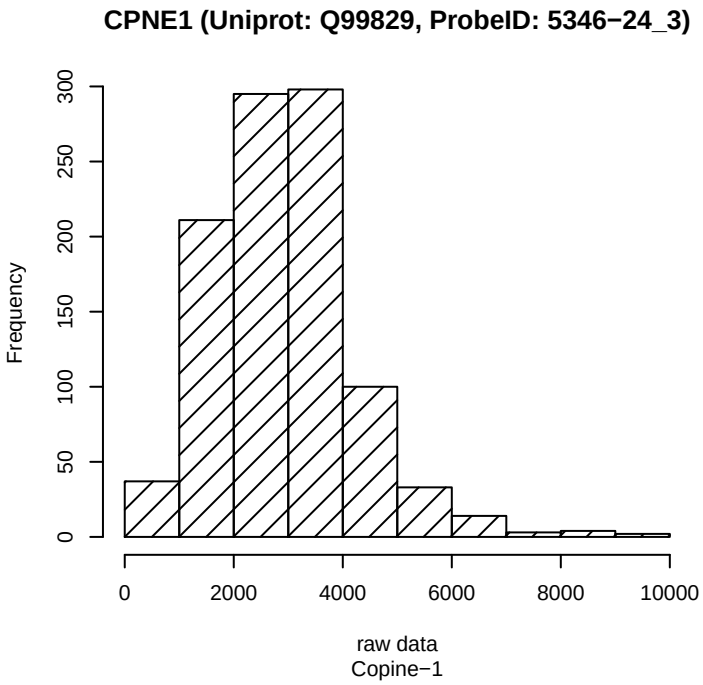


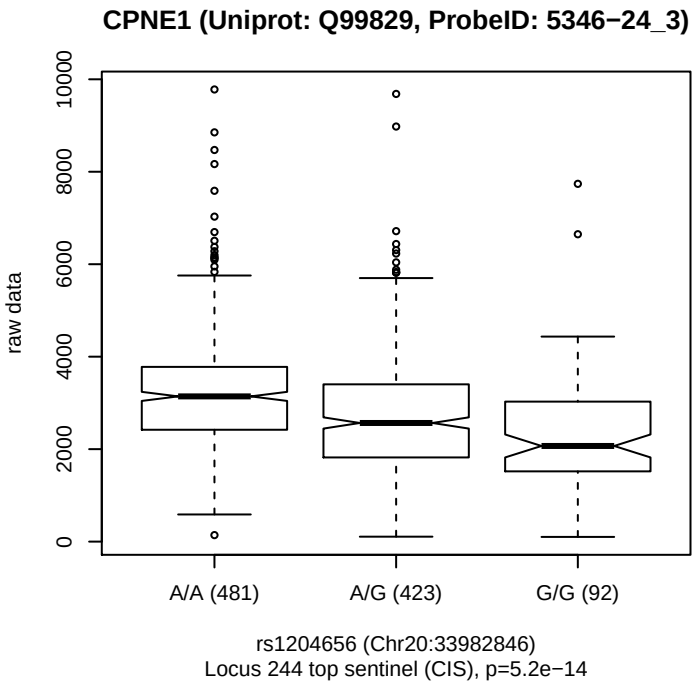

invnorm data
Proprotein convertase subtilisin/kexin type 7

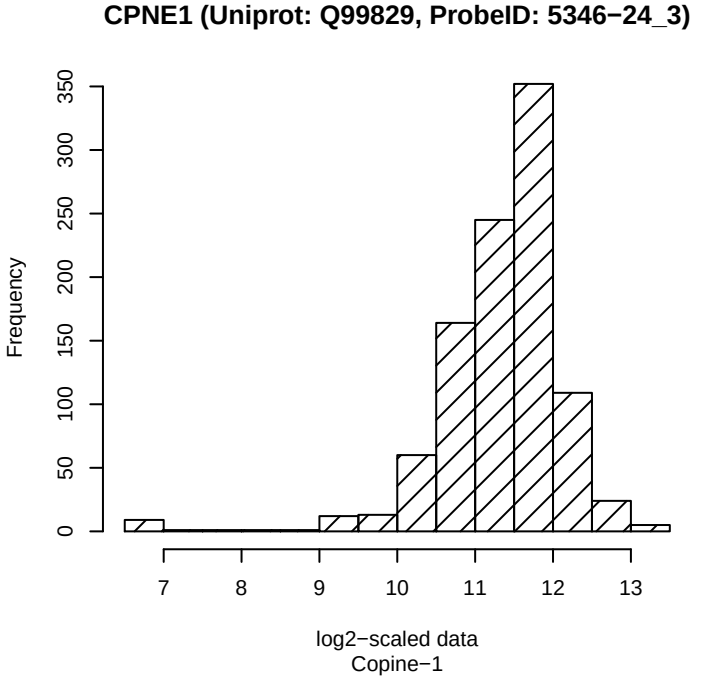
**PCSK7 (Uniprot: Q16549, ProbeID: 4459−68_2)**

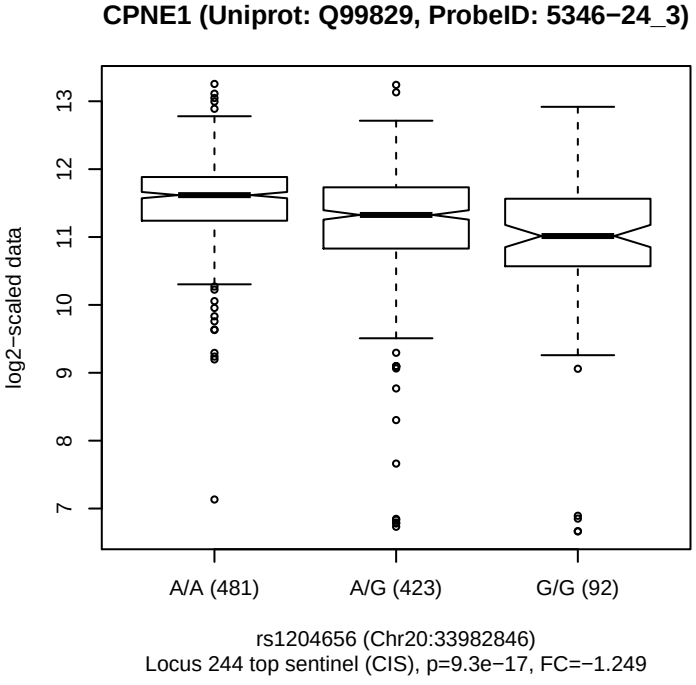


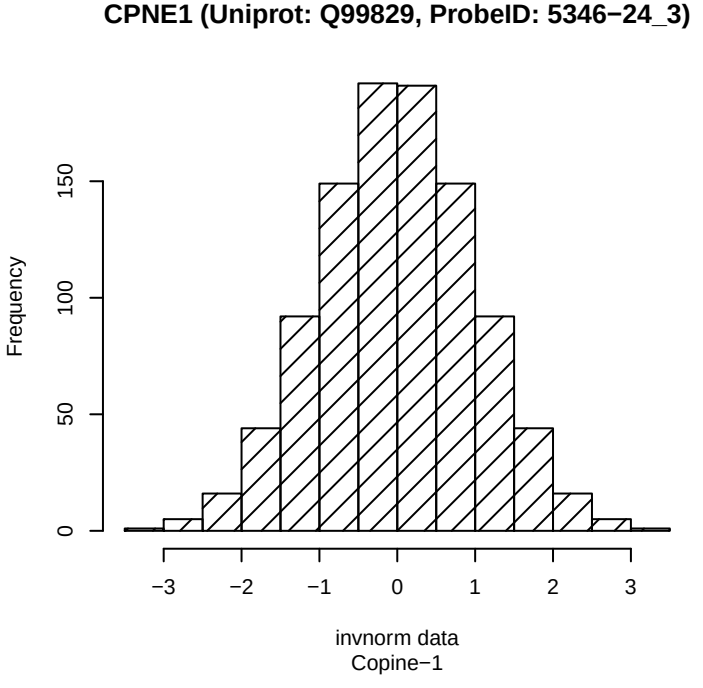

rs4938330 (Chr11:116928514)
Locus 243 top sentinel (CIS), p=9.9e−17

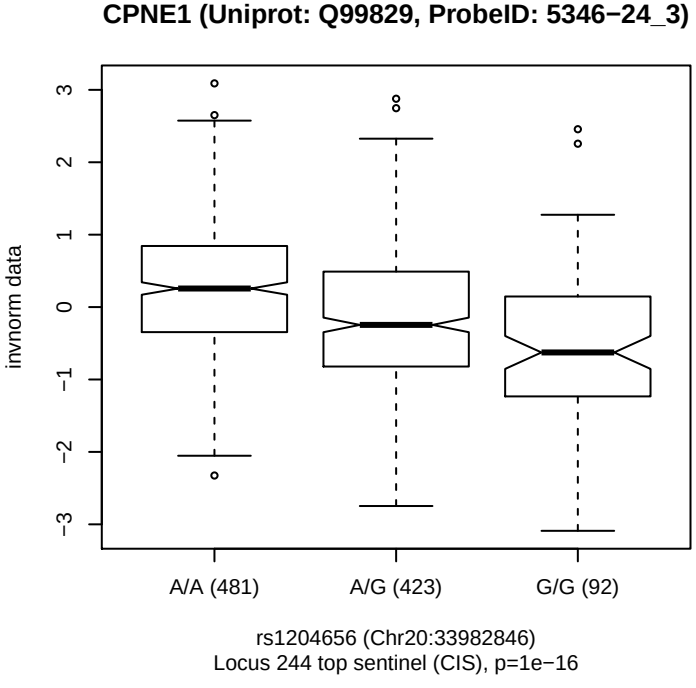

CPNE1 (Uniprot: Q99829, ProbeID: 5346−24_3)
Frequency
raw data
Copine−1

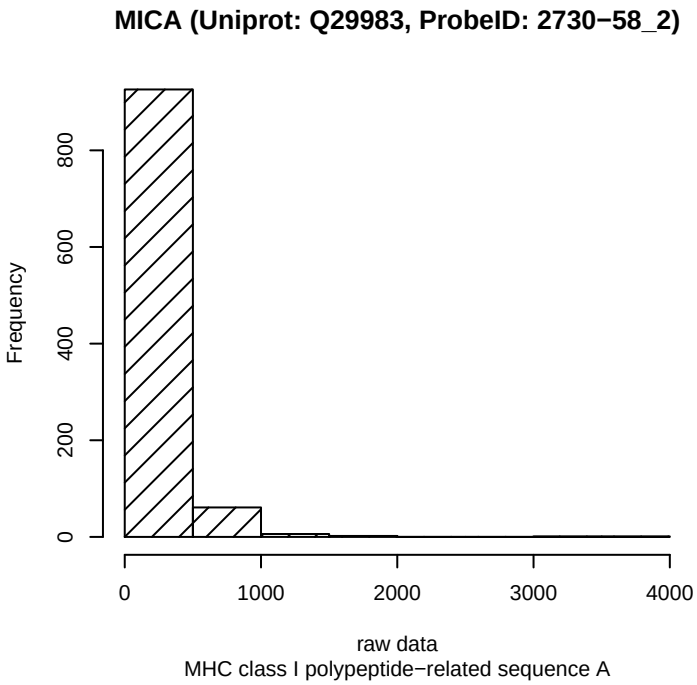

CPNE1 (Uniprot: Q99829, ProbeID: 5346−24_3)
raw data
A/A (481)
A/G (423)
G/G (92)
rs1204656 (Chr20:33982846)
Locus 244 top sentinel (CIS), p=5.2e−14

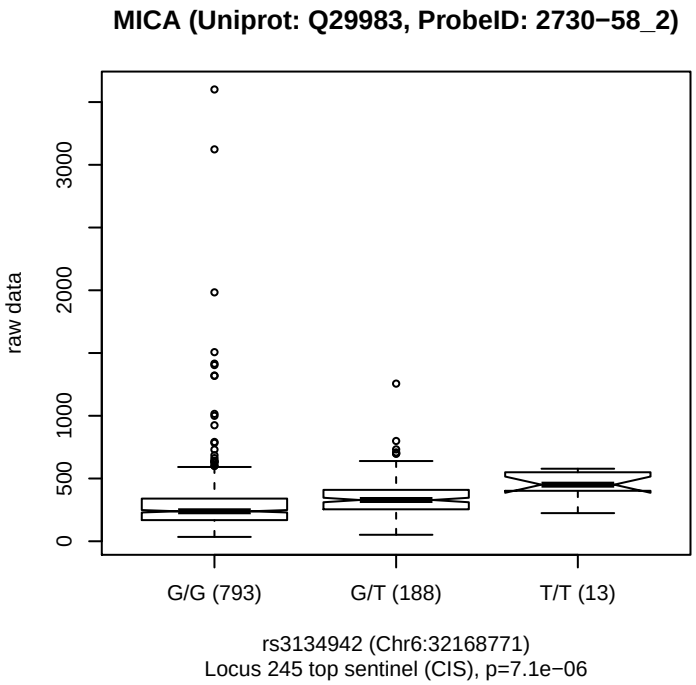

CPNE1 (Uniprot: Q99829, ProbeID: 5346−24_3)
Frequency
log2−scaled data
Copine−1

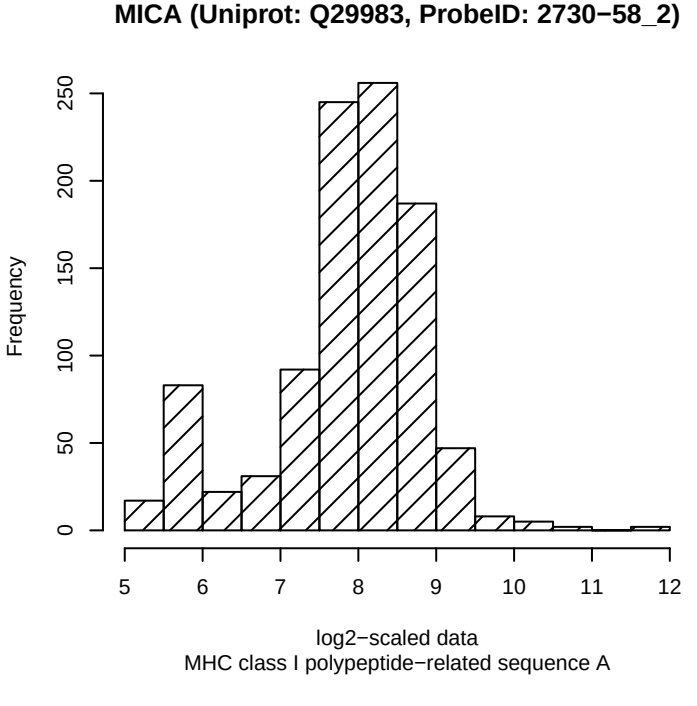

CPNE1 (Uniprot: Q99829, ProbeID: 5346−24_3)
log2−scaled data
A/A (481)
A/G (423)
G/G (92)
rs1204656 (Chr20:33982846)
Locus 244 top sentinel (CIS), p=9.3e−17, FC=−1.249

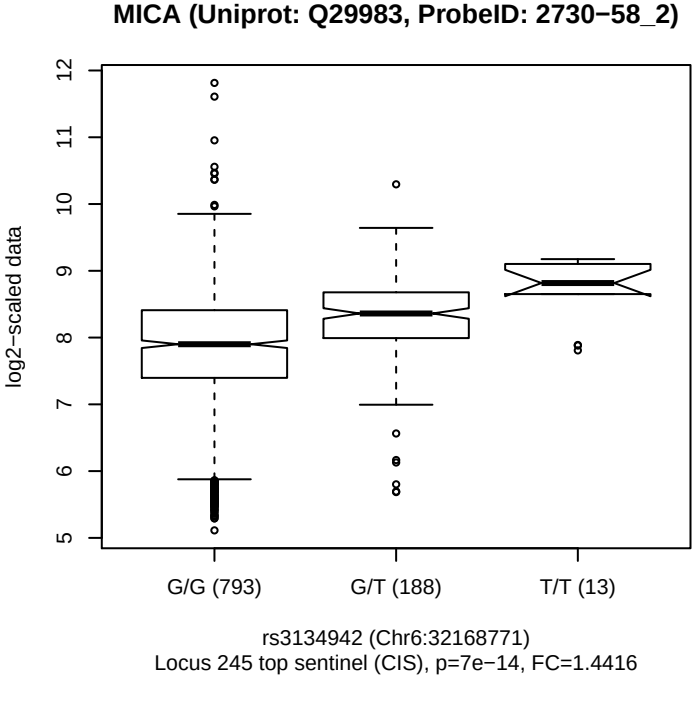

CPNE1 (Uniprot: Q99829, ProbeID: 5346−24_3)
Frequency
invnorm data
Copine−1

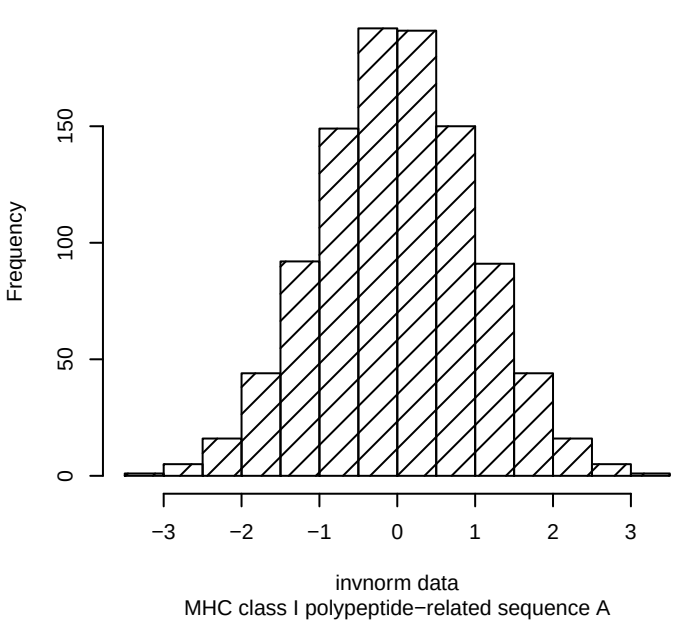

CPNE1 (Uniprot: Q99829, ProbeID: 5346−24_3)
invnorm data
A/A (481)
A/G (423)
G/G (92)
rs1204656 (Chr20:33982846)
Locus 244 top sentinel (CIS), p=1e−16

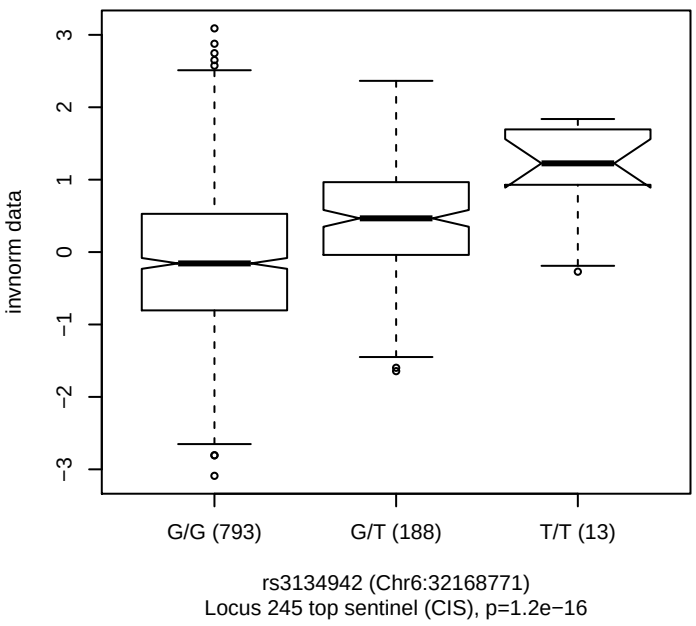

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
200
400
600
800
0
1000
2000
3000
4000
raw data
MHC class I polypeptide−related sequence A

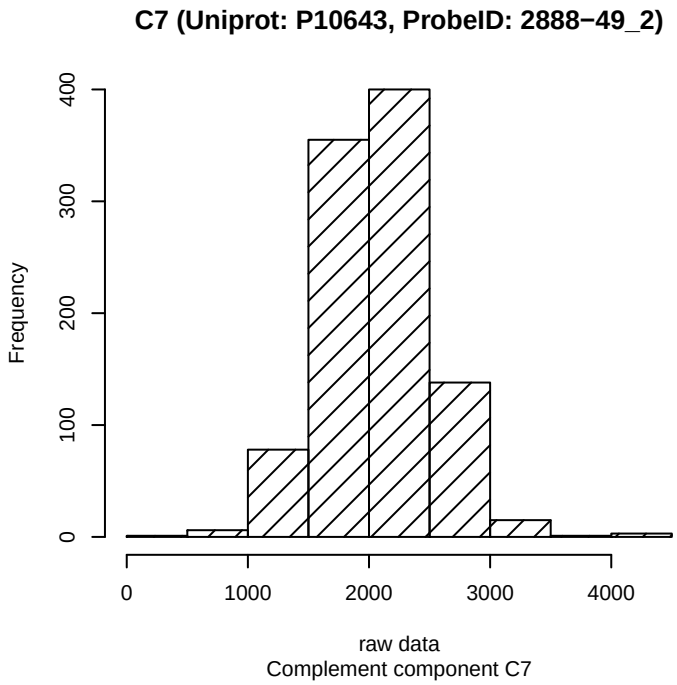

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
raw data
0
500
1000
2000
3000
G/G (793)
G/T (188)
T/T (13)
rs3134942 (Chr6:32168771)
Locus 245 top sentinel (CIS), p=7.1e−06

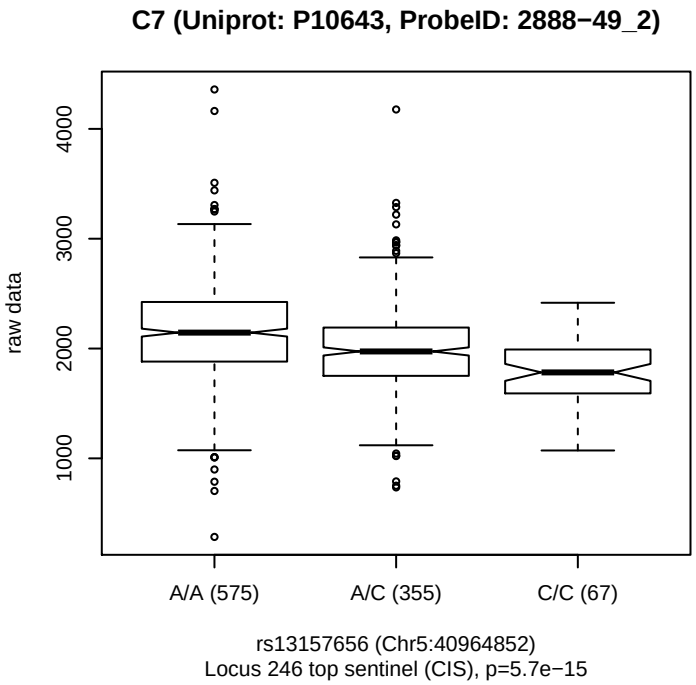

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
200
250
5
6
7
8
9
10
11
12
log2−scaled data
MHC class I polypeptide−related sequence A

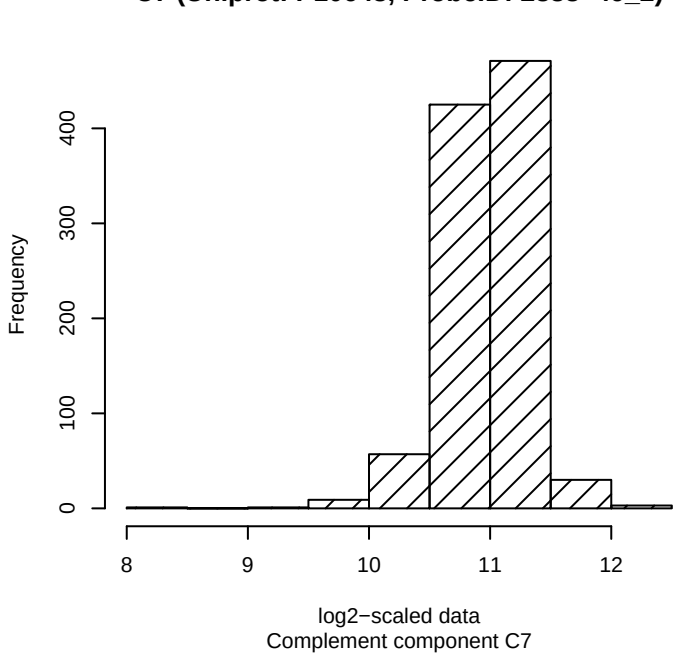

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
log2−scaled data
5
6
7
8
9
10
11
12
G/G (793)
G/T (188)
T/T (13)
rs3134942 (Chr6:32168771)
Locus 245 top sentinel (CIS), p=7e−14, FC=1.4416

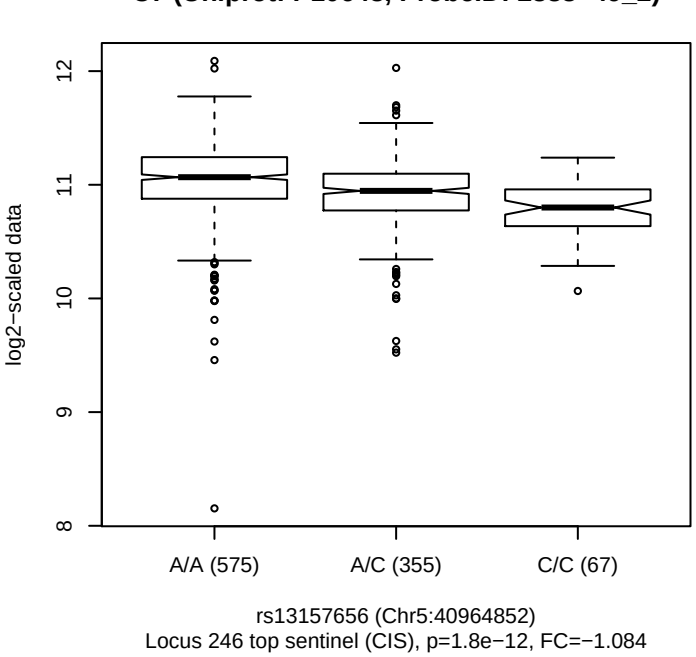

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence A

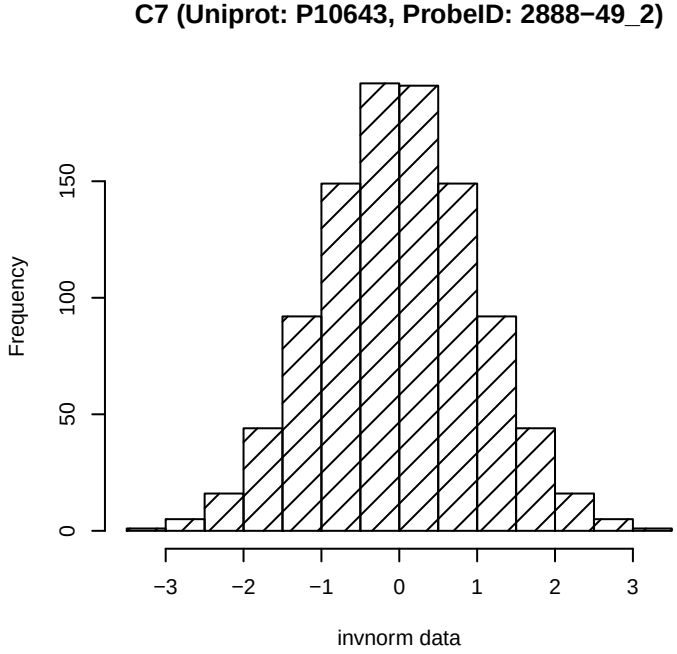

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (793)
G/T (188)
T/T (13)
rs3134942 (Chr6:32168771)
Locus 245 top sentinel (CIS), p=1.2e−16

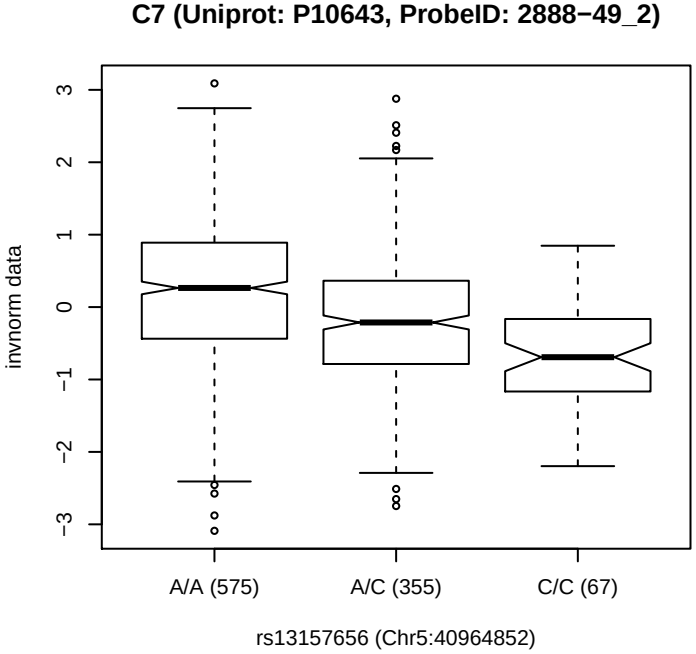

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
Frequency
0
100
200
300
400
0
1000
2000
3000
4000
raw data
Complement component C7

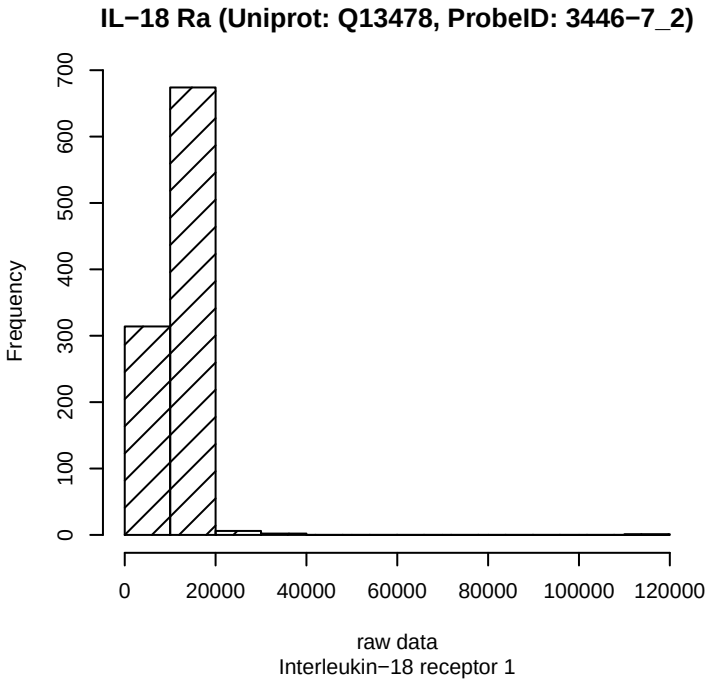

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
raw data
1000
2000
3000
4000
A/A (575)
A/C (355)
C/C (67)
rs13157656 (Chr5:40964852)
Locus 246 top sentinel (CIS), p=5.7e−15

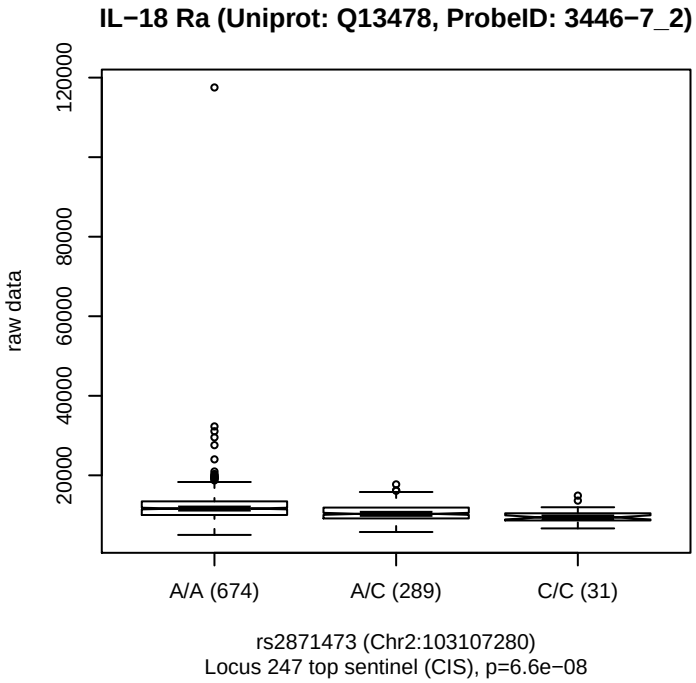

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
Frequency
0
100
200
300
400
8
9
10
11
12
log2−scaled data
Complement component C7

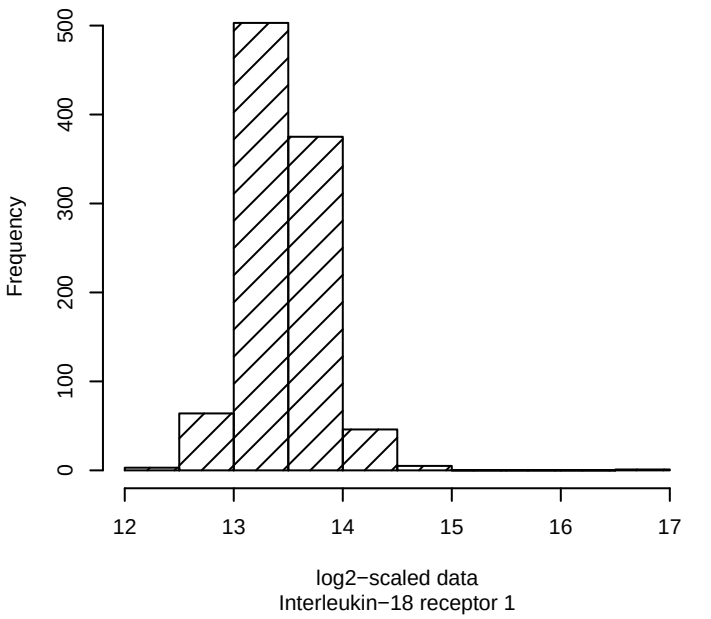

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
log2−scaled data
8
9
10
11
12
A/A (575)
A/C (355)
C/C (67)
rs13157656 (Chr5:40964852)
Locus 246 top sentinel (CIS), p=1.8e−12, FC=−1.084

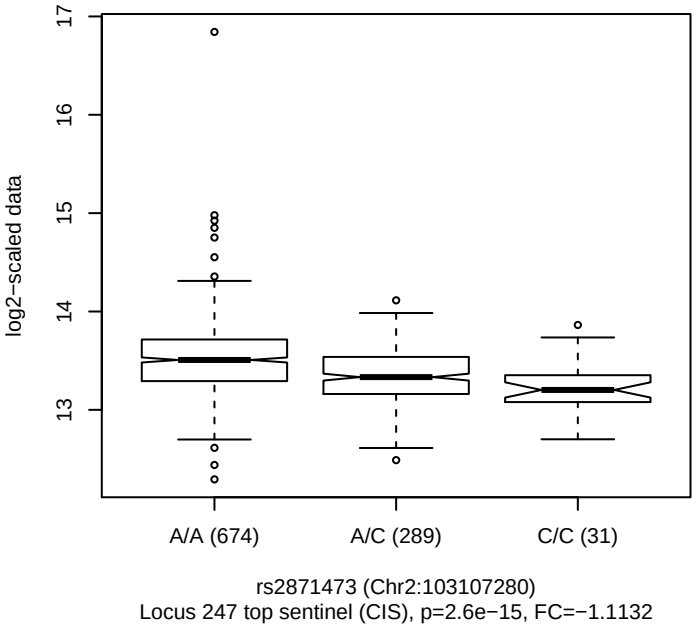

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Complement component C7

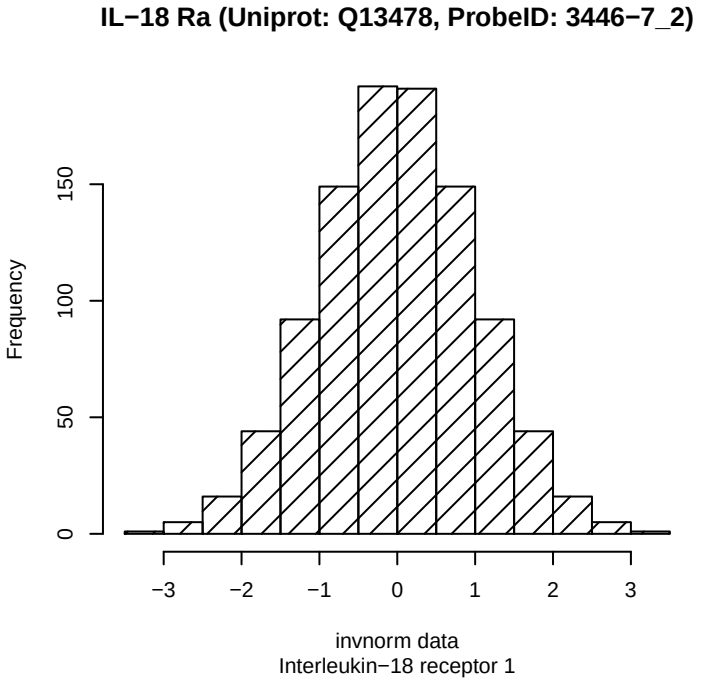

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (575)
A/C (355)
C/C (67)
rs13157656 (Chr5:40964852)
Locus 246 top sentinel (CIS), p=1.3e−16

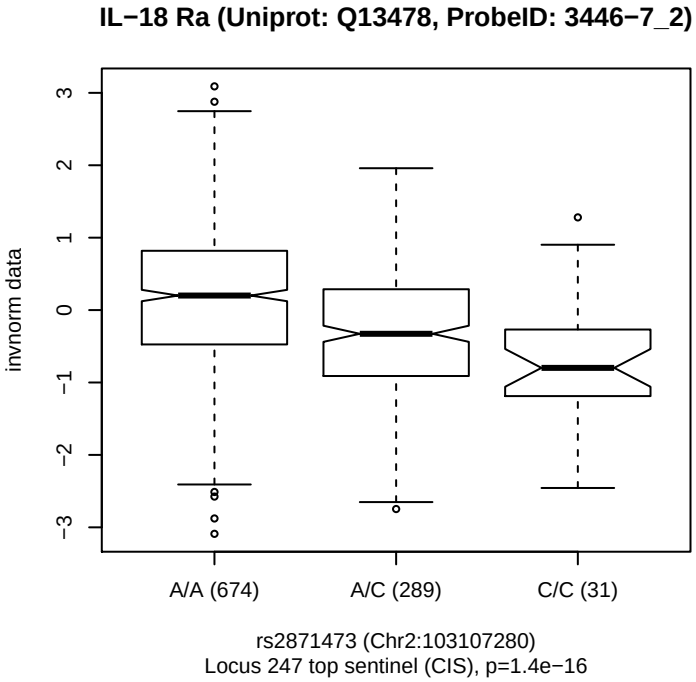

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
Frequency
0
100
200
300
400
500
600
700
0
20000
40000
60000
80000
100000
120000
raw data
Interleukin−18 receptor 1

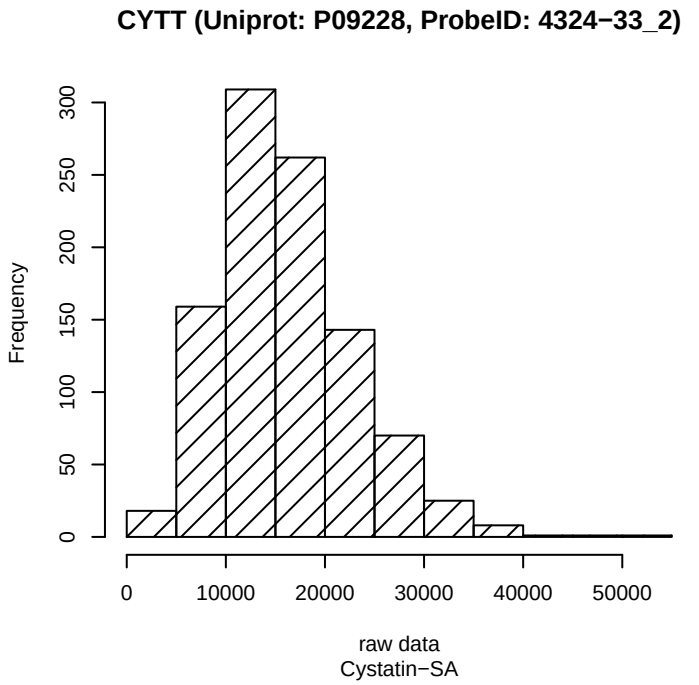

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
raw data
20000
40000
60000
80000
120000
A/A (674)
A/C (289)
C/C (31)
rs2871473 (Chr2:103107280)
Locus 247 top sentinel (CIS), p=6.6e−08

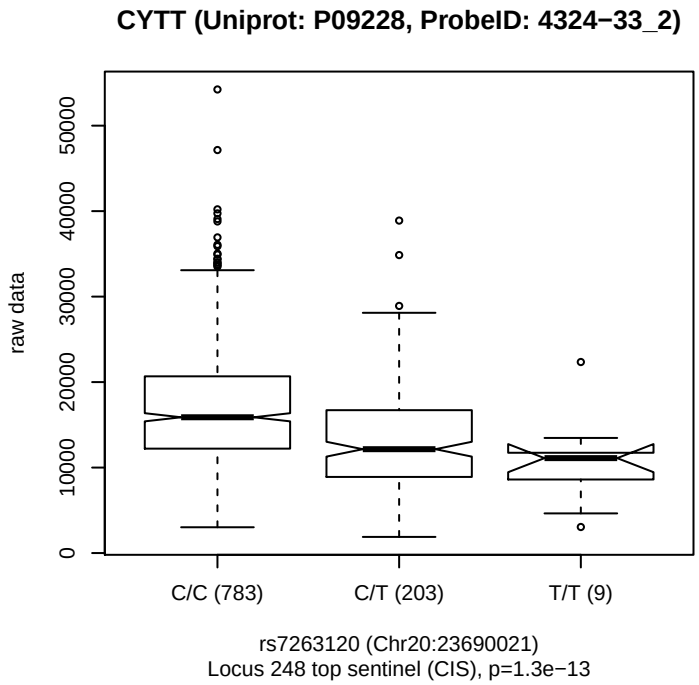

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
Frequency
0
100
200
300
400
500
12
13
14
15
16
17
log2−scaled data
Interleukin−18 receptor 1

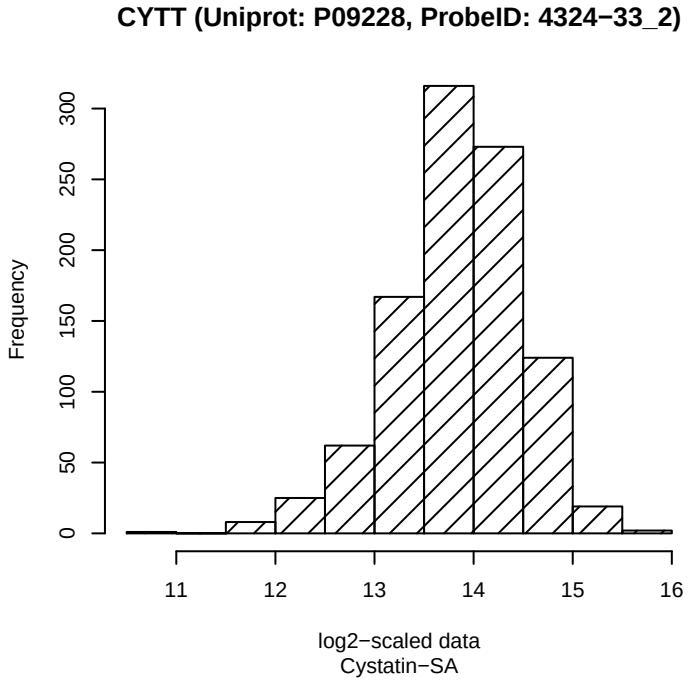

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
log2−scaled data
13
14
15
16
17
A/A (674)
A/C (289)
C/C (31)
rs2871473 (Chr2:103107280)
Locus 247 top sentinel (CIS), p=2.6e−15, FC=−1.1132

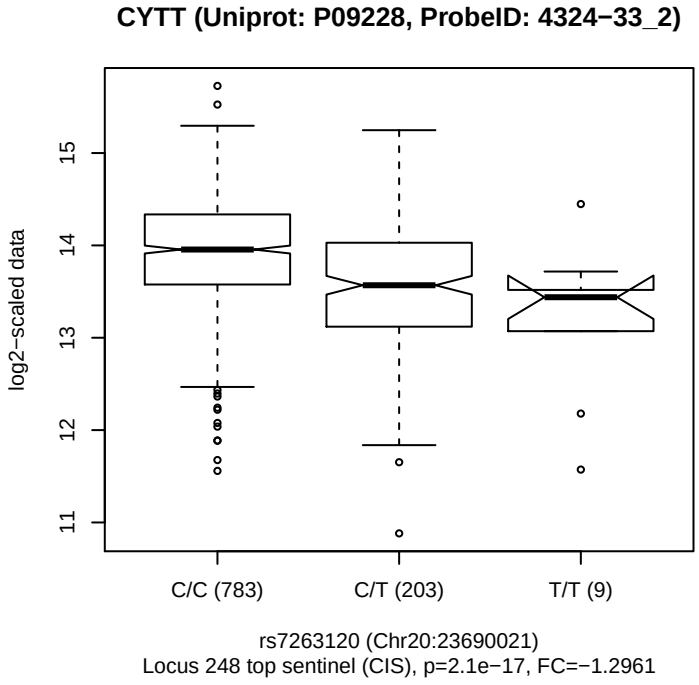

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−18 receptor 1

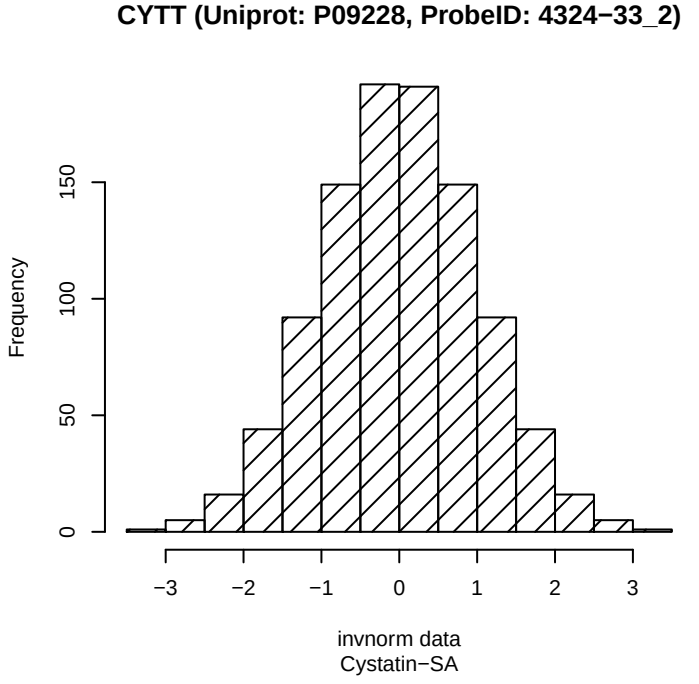

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (674)
A/C (289)
C/C (31)
rs2871473 (Chr2:103107280)
Locus 247 top sentinel (CIS), p=1.4e−16

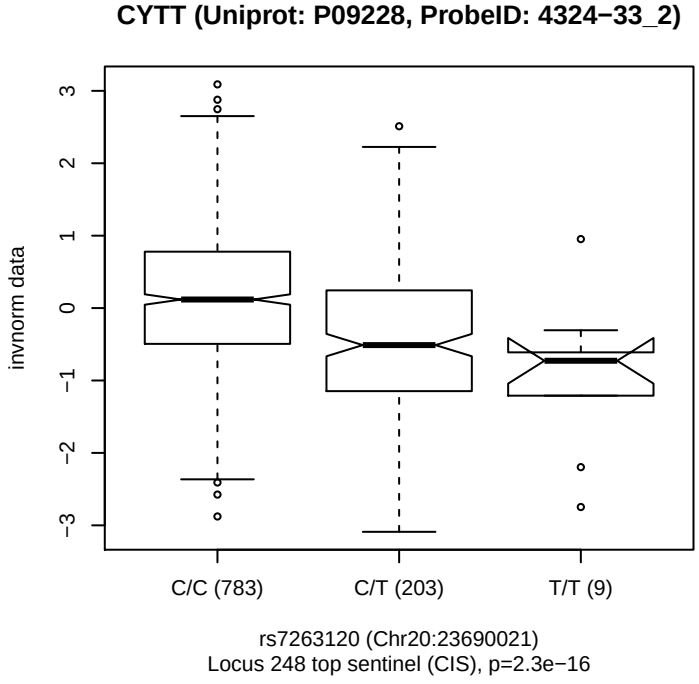

CYTT (Uniprot: P09228, ProbeID: 4324−33_2)
Frequency
0
50
100
150
200
250
300
0
10000
20000
30000
40000
50000
raw data
Cystatin−SA

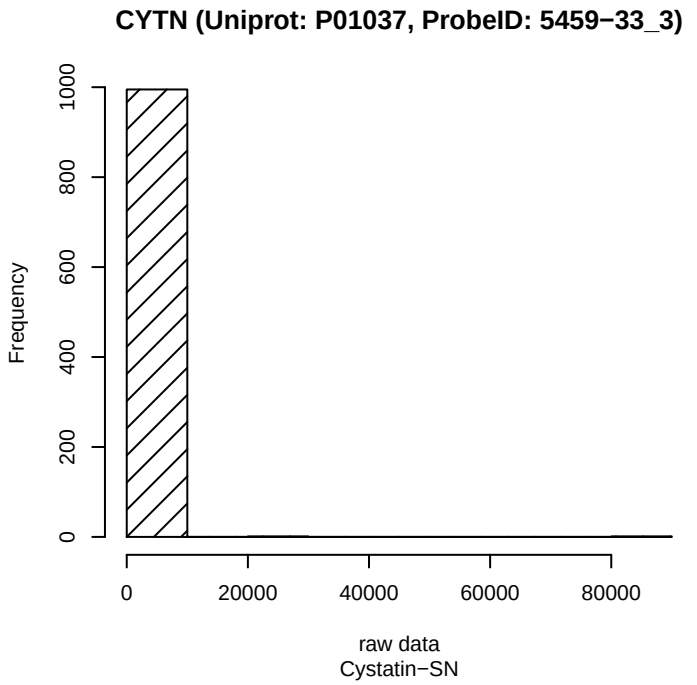

CYTT (Uniprot: P09228, ProbeID: 4324−33_2)
raw data
0
10000
20000
30000
40000
50000
C/C (783)
C/T (203)
T/T (9)
rs7263120 (Chr20:23690021)
Locus 248 top sentinel (CIS), p=1.3e−13

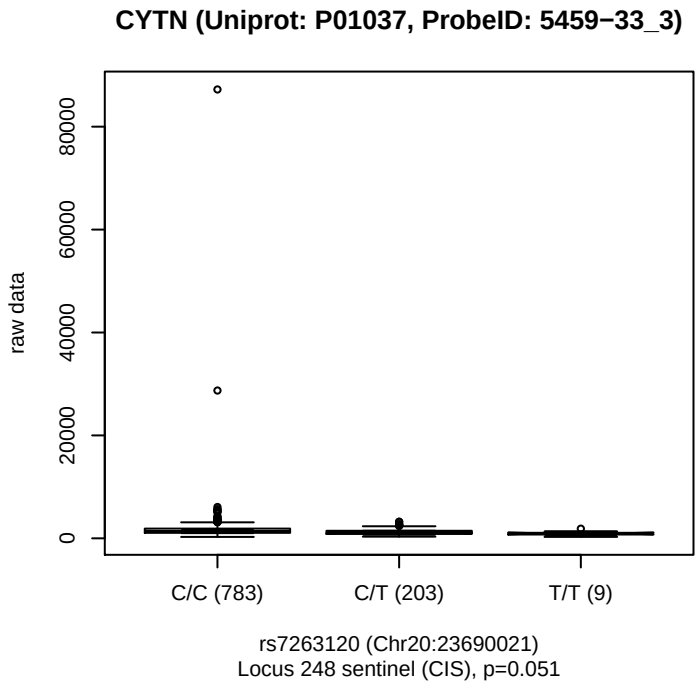

CYTT (Uniprot: P09228, ProbeID: 4324−33_2)
Frequency
0
50
100
150
200
250
300
11
12
13
14
15
16
log2−scaled data
Cystatin−SA

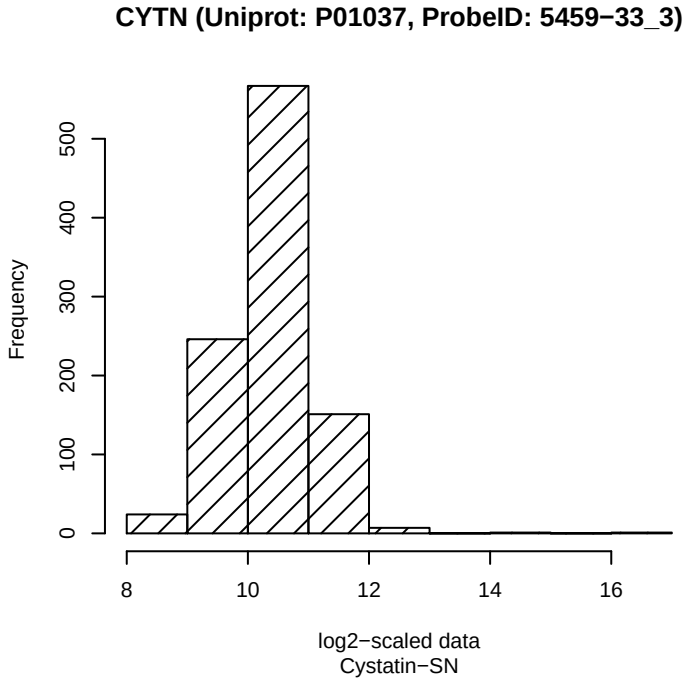

CYTT (Uniprot: P09228, ProbeID: 4324−33_2)
log2−scaled data
11
12
13
14
15
C/C (783)
C/T (203)
T/T (9)
rs7263120 (Chr20:23690021)
Locus 248 top sentinel (CIS), p=2.1e−17, FC=−1.2961

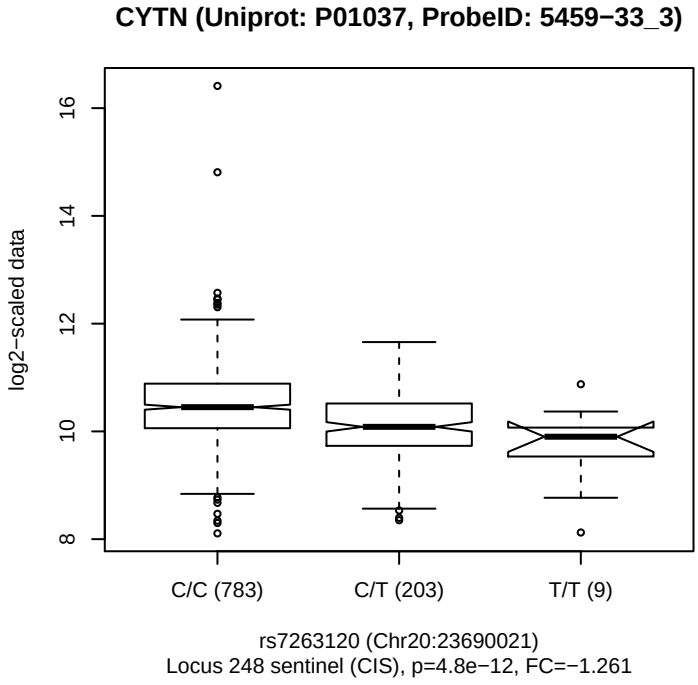

CYTT (Uniprot: P09228, ProbeID: 4324−33_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Cystatin−SA

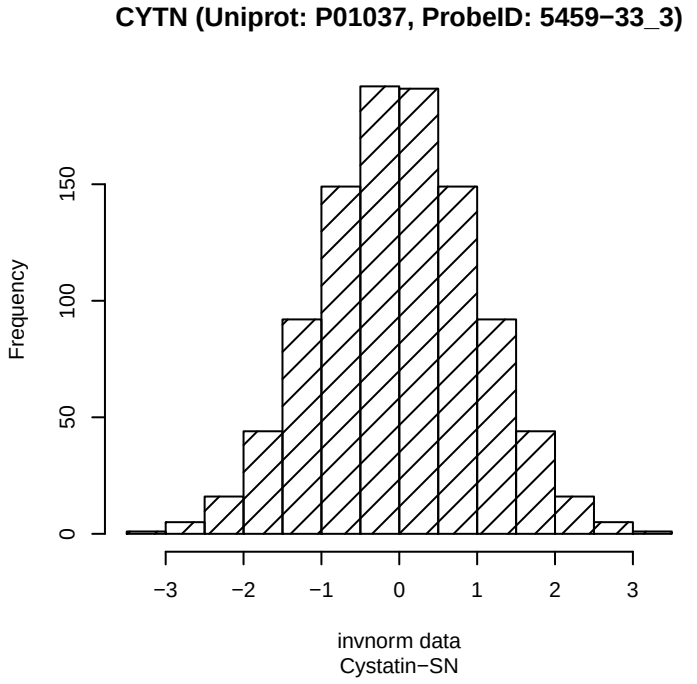

CYTT (Uniprot: P09228, ProbeID: 4324−33_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (783)
C/T (203)
T/T (9)
rs7263120 (Chr20:23690021)
Locus 248 top sentinel (CIS), p=2.3e−16

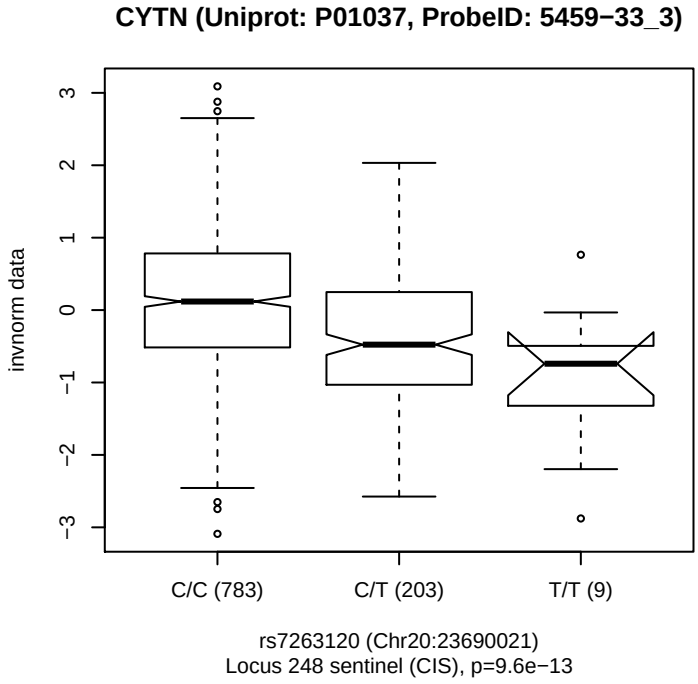

CYTN (Uniprot: P01037, ProbeID: 5459−33_3)
Frequency
0
200
400
600
800
1000
0
20000
40000
60000
80000
raw data
Cystatin−SN

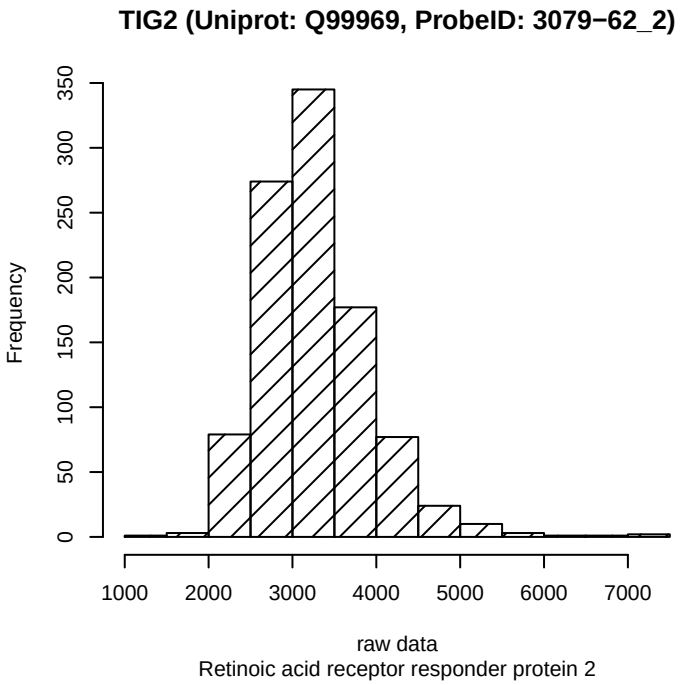

CYTN (Uniprot: P01037, ProbeID: 5459−33_3)
raw data
0
20000
40000
60000
80000
C/C (783)
C/T (203)
T/T (9)
rs7263120 (Chr20:23690021)
Locus 248 sentinel (CIS), p=0.051

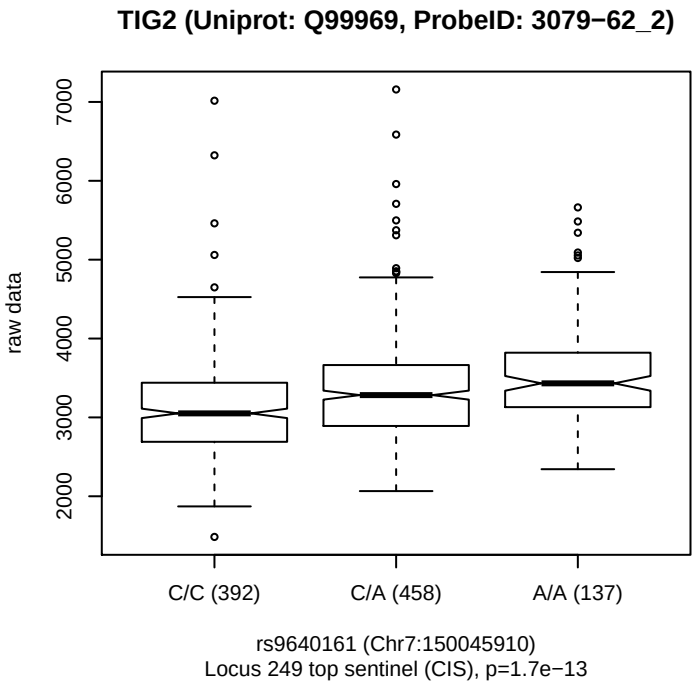

CYTN (Uniprot: P01037, ProbeID: 5459−33_3)
Frequency
0
100
200
300
400
500
8
10
12
14
16
log2−scaled data
Cystatin−SN

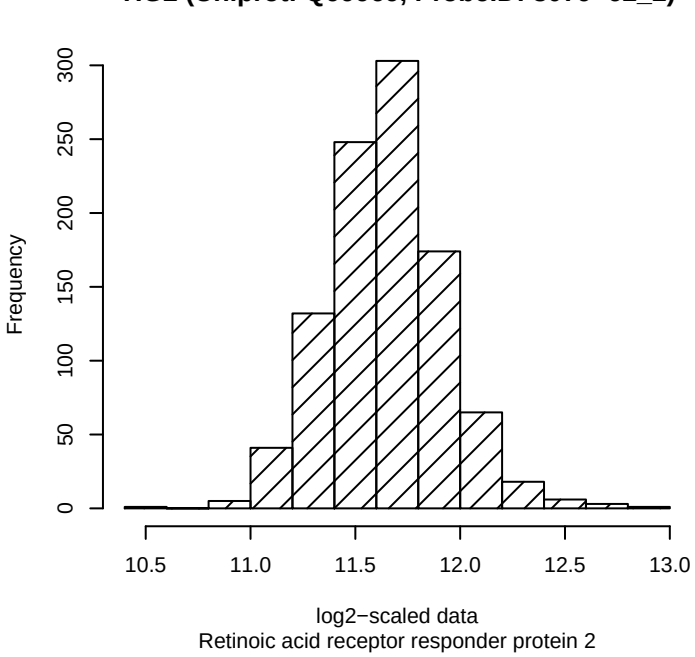

CYTN (Uniprot: P01037, ProbeID: 5459−33_3)
log2−scaled data
8
10
12
14
16
C/C (783)
C/T (203)
T/T (9)
rs7263120 (Chr20:23690021)
Locus 248 sentinel (CIS), p=4.8e−12, FC=−1.261

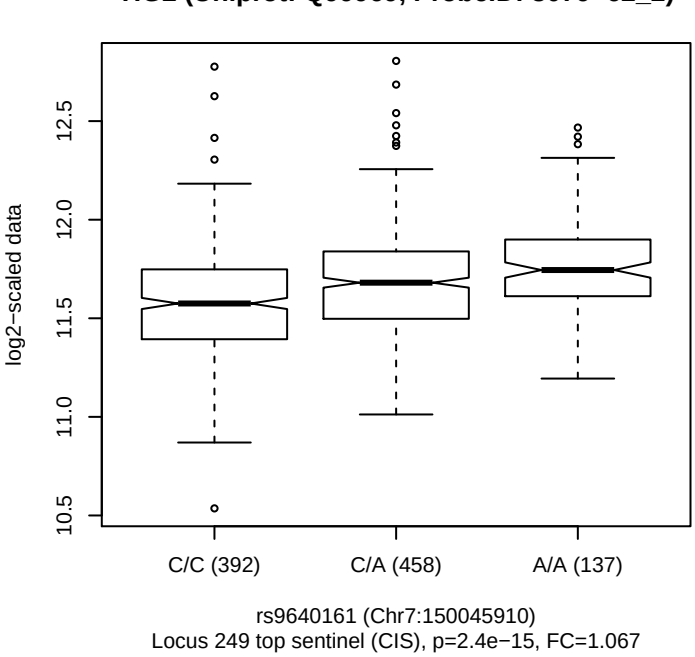

CYTN (Uniprot: P01037, ProbeID: 5459−33_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Cystatin−SN

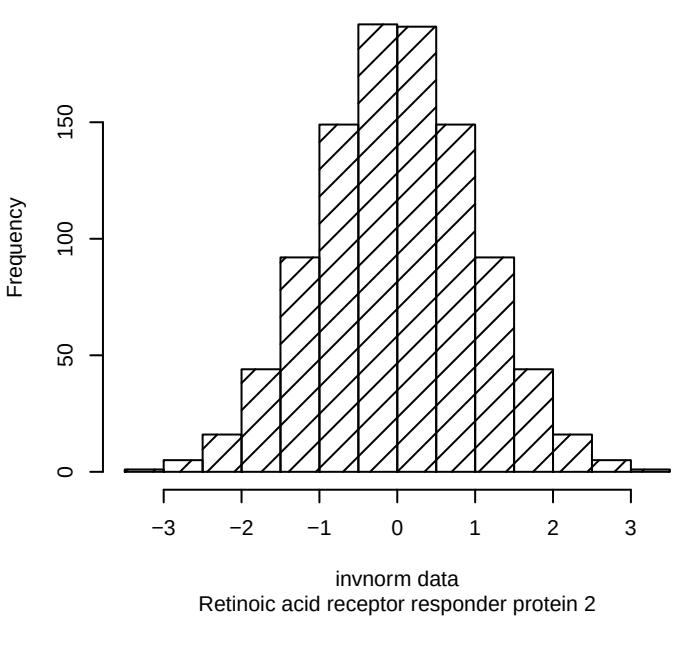

CYTN (Uniprot: P01037, ProbeID: 5459−33_3)
invnorm data
−3
−2
−1
0
1
2
3
C/C (783)
C/T (203)
T/T (9)
rs7263120 (Chr20:23690021)
Locus 248 sentinel (CIS), p=9.6e−13

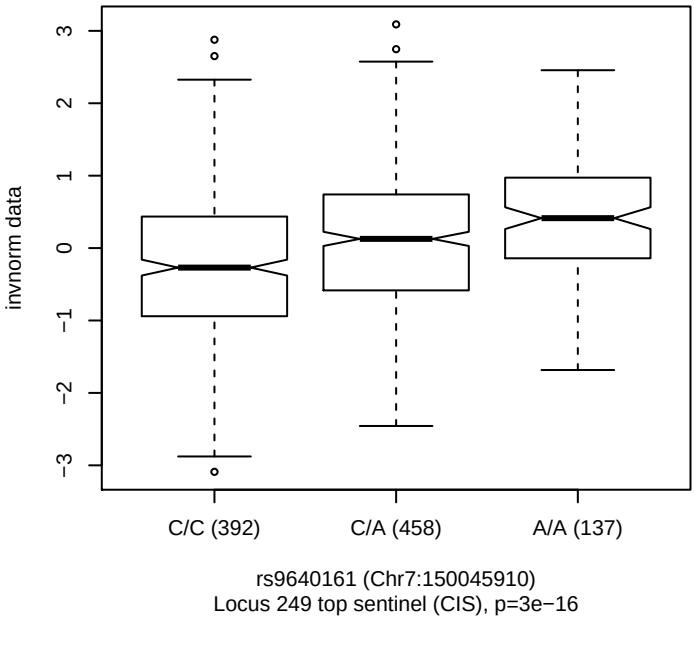

TIG2 (Uniprot: Q99969, ProbeID: 3079−62_2)
Frequency
0
50
100
150
200
250
300
350
1000
2000
3000
4000
5000
6000
7000
raw data
Retinoic acid receptor responder protein 2

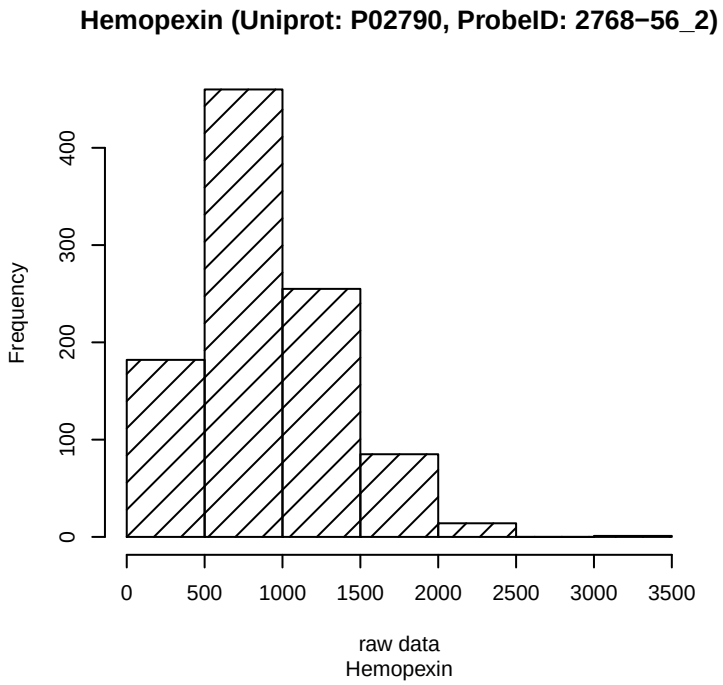

TIG2 (Uniprot: Q99969, ProbeID: 3079−62_2)
raw data
2000
3000
4000
5000
6000
7000
C/C (392)
C/A (458)
A/A (137)
rs9640161 (Chr7:150045910)
Locus 249 top sentinel (CIS), p=1.7e−13

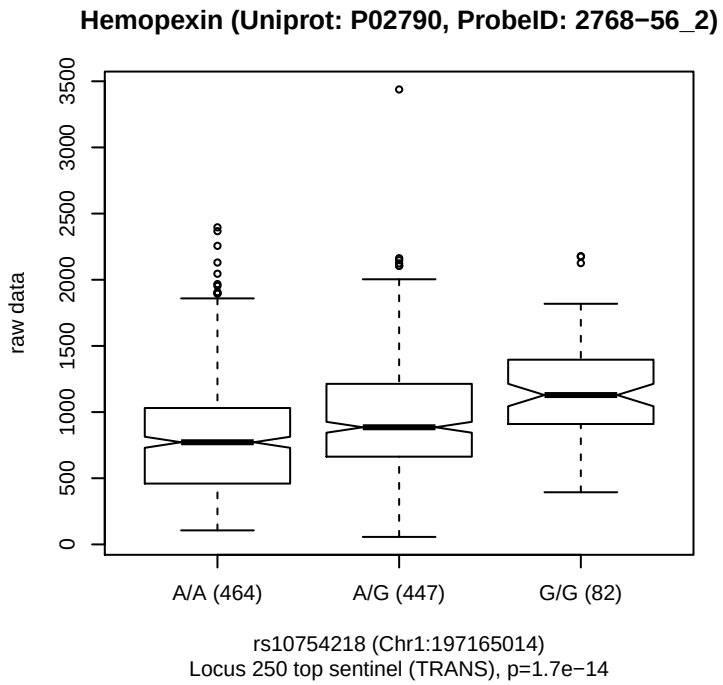

TIG2 (Uniprot: Q99969, ProbeID: 3079−62_2)
Frequency
0
50
100
150
200
250
300
10.5
11.0
11.5
12.0
12.5
13.0
log2−scaled data
Retinoic acid receptor responder protein 2

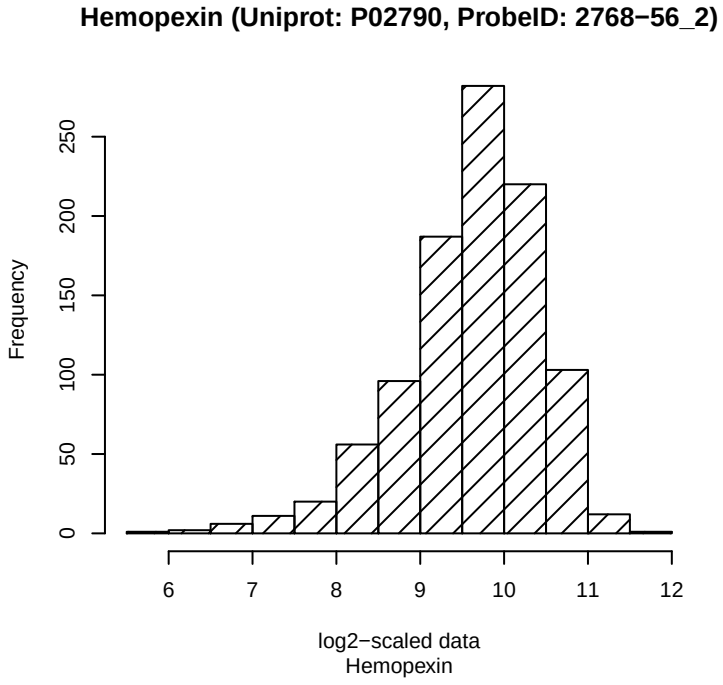

TIG2 (Uniprot: Q99969, ProbeID: 3079−62_2)
log2−scaled data
10.5
11.0
11.5
12.0
12.5
C/C (392)
C/A (458)
A/A (137)
rs9640161 (Chr7:150045910)
Locus 249 top sentinel (CIS), p=2.4e−15, FC=1.067

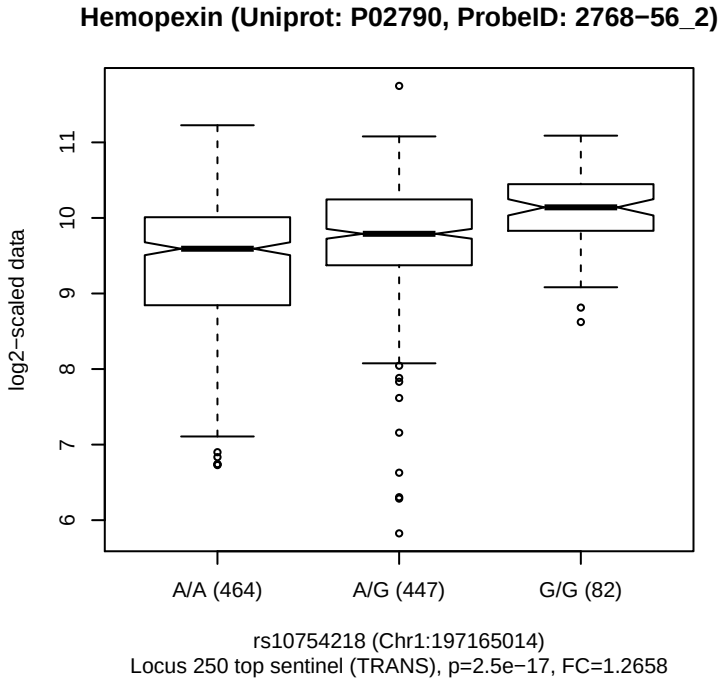

TIG2 (Uniprot: Q99969, ProbeID: 3079−62_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Retinoic acid receptor responder protein 2

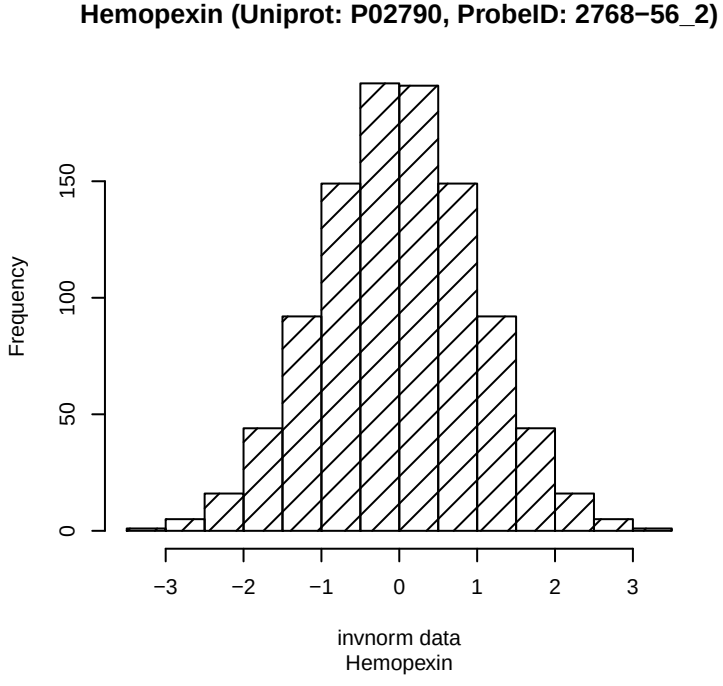

TIG2 (Uniprot: Q99969, ProbeID: 3079−62_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (392)
C/A (458)
A/A (137)
rs9640161 (Chr7:150045910)
Locus 249 top sentinel (CIS), p=3e−16

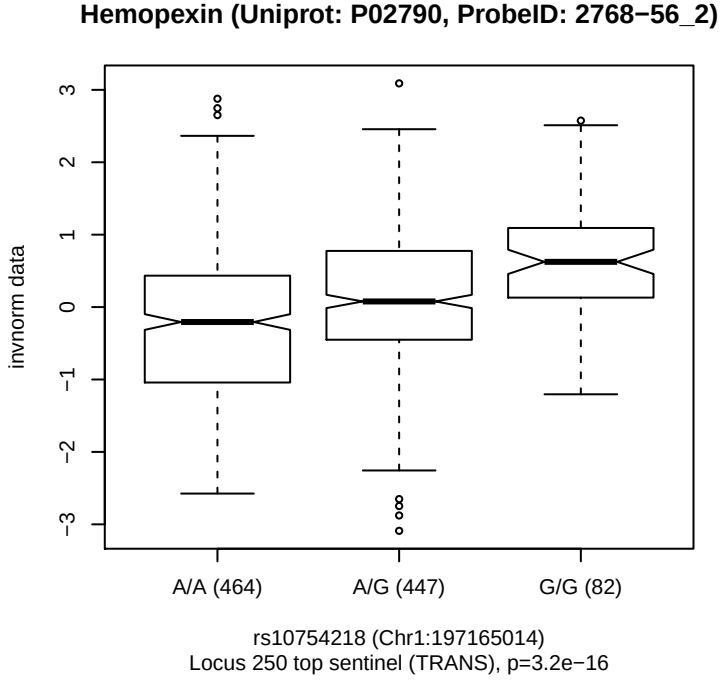

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
Frequency
0
100
200
300
400
0
500
1000
1500
2000
2500
3000
3500
raw data
Hemopexin

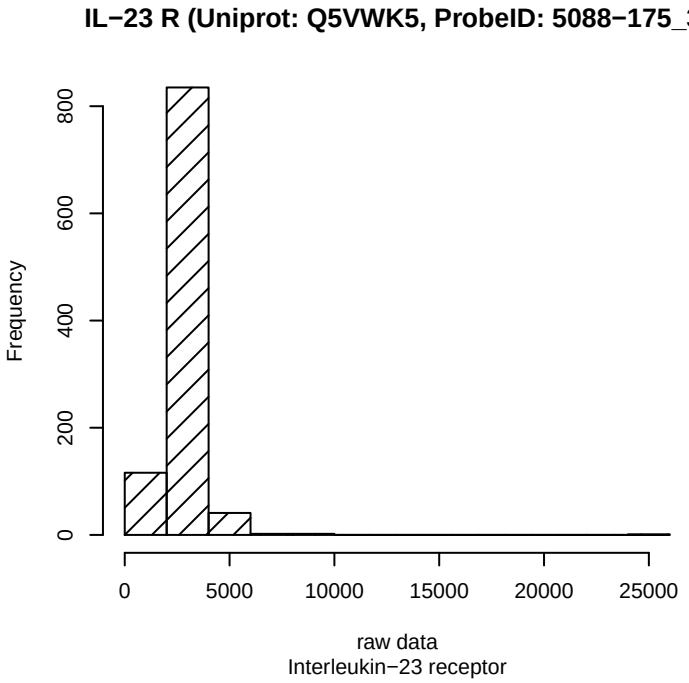

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
raw data
0
500
1000
1500
2000
2500
3000
3500
A/A (464)
A/G (447)
G/G (82)
rs10754218 (Chr1:197165014)
Locus 250 top sentinel (TRANS), p=1.7e−14

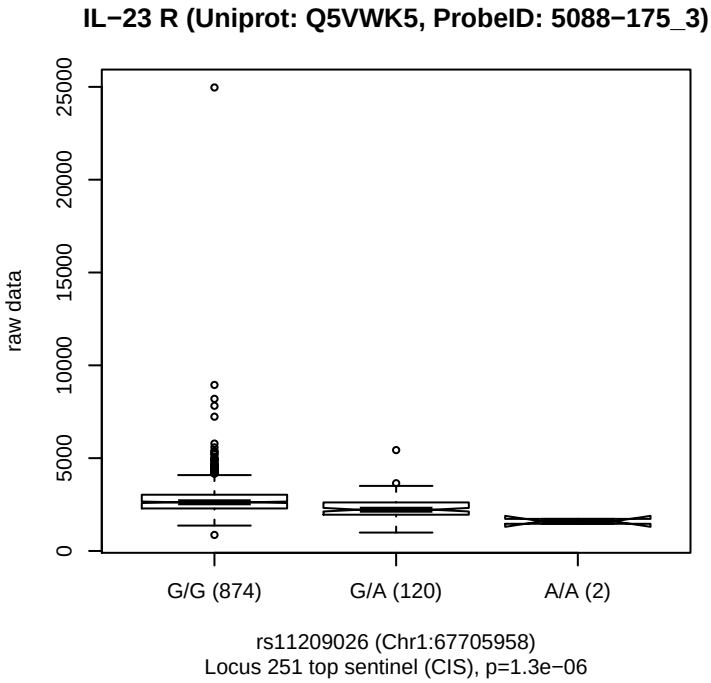

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
Frequency
0
50
100
150
200
250
6
7
8
9
10
11
12
log2−scaled data
Hemopexin

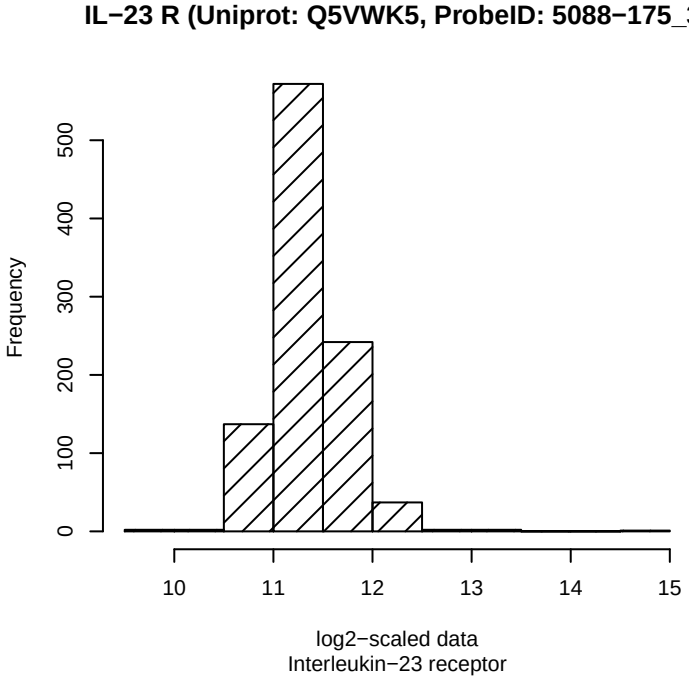

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
log2−scaled data
6
7
8
9
10
11
A/A (464)
A/G (447)
G/G (82)
rs10754218 (Chr1:197165014)
Locus 250 top sentinel (TRANS), p=2.5e−17, FC=1.2658

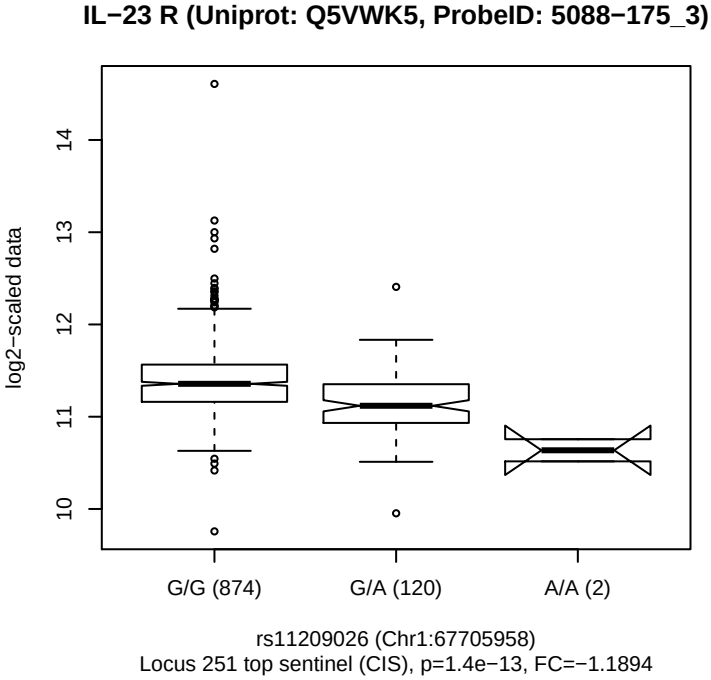

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Hemopexin

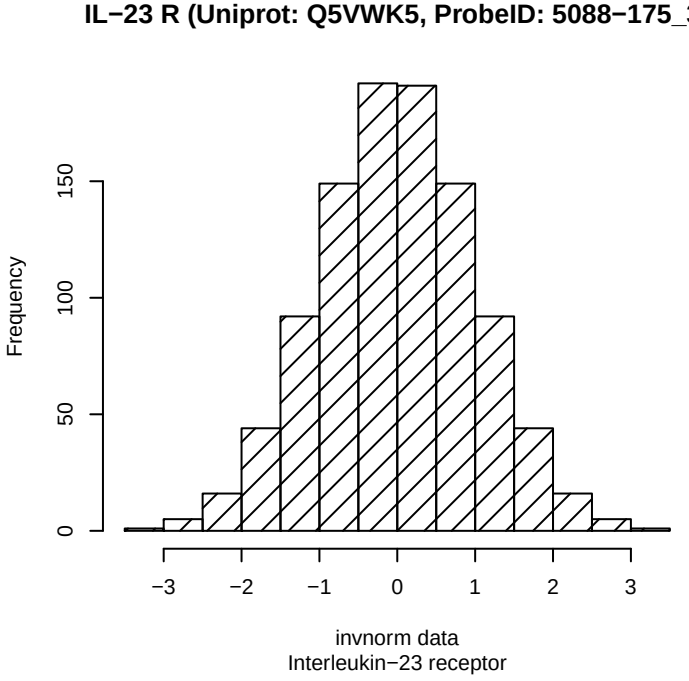

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (464)
A/G (447)
G/G (82)
rs10754218 (Chr1:197165014)
Locus 250 top sentinel (TRANS), p=3.2e−16

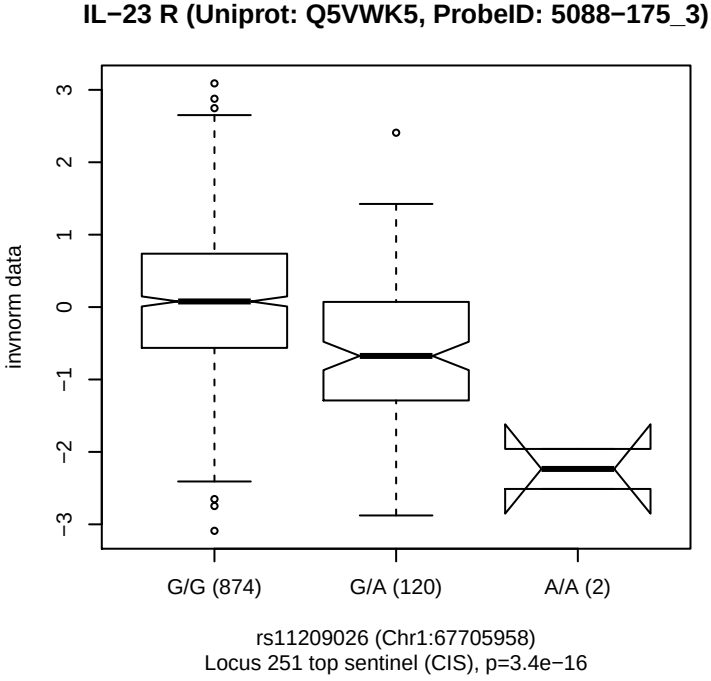

IL−23 R (Uniprot: Q5VWK5, ProbeID: 5088−175_3)
Frequency
0
200
400
600
800
0
5000
10000
15000
20000
25000
raw data
Interleukin−23 receptor

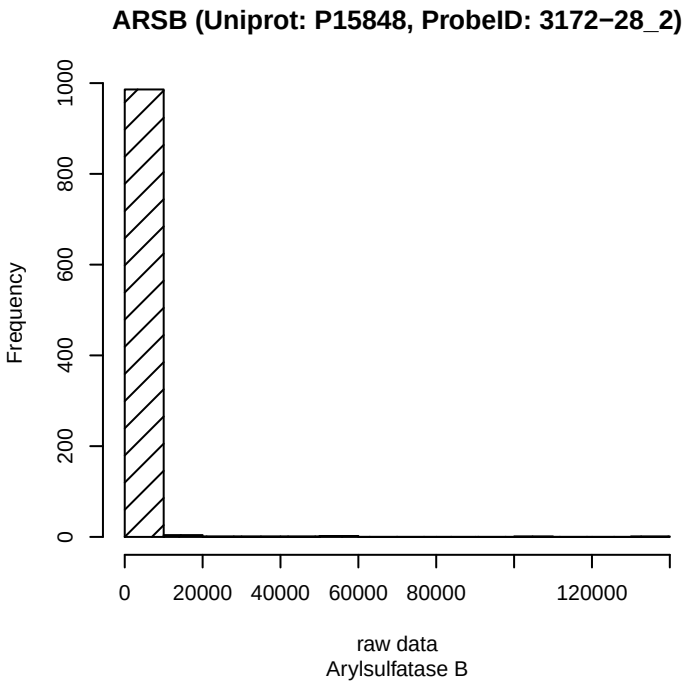

IL−23 R (Uniprot: Q5VWK5, ProbeID: 5088−175_3)
raw data
0
5000
10000
15000
20000
25000
G/G (874)
G/A (120)
A/A (2)
rs11209026 (Chr1:67705958)
Locus 251 top sentinel (CIS), p=1.3e−06

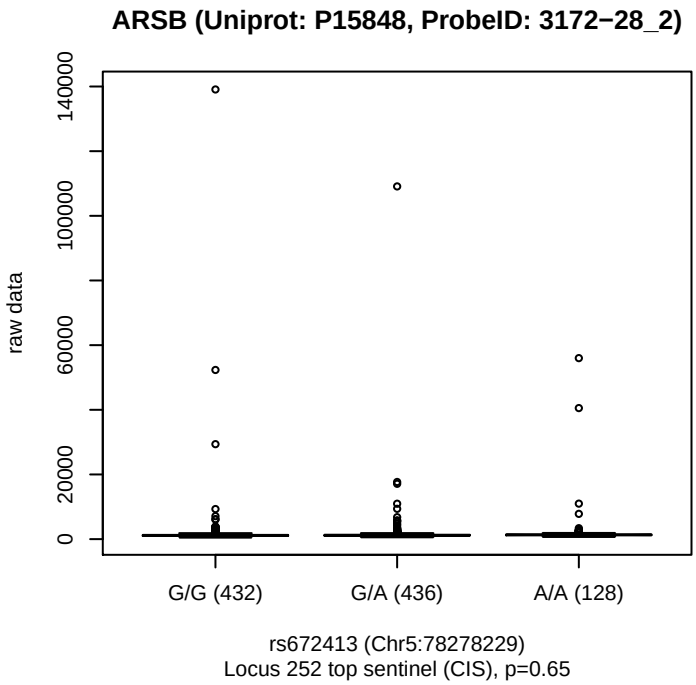

IL−23 R (Uniprot: Q5VWK5, ProbeID: 5088−175_3)
Frequency
0
100
200
300
400
500
10
11
12
13
14
15
log2−scaled data
Interleukin−23 receptor

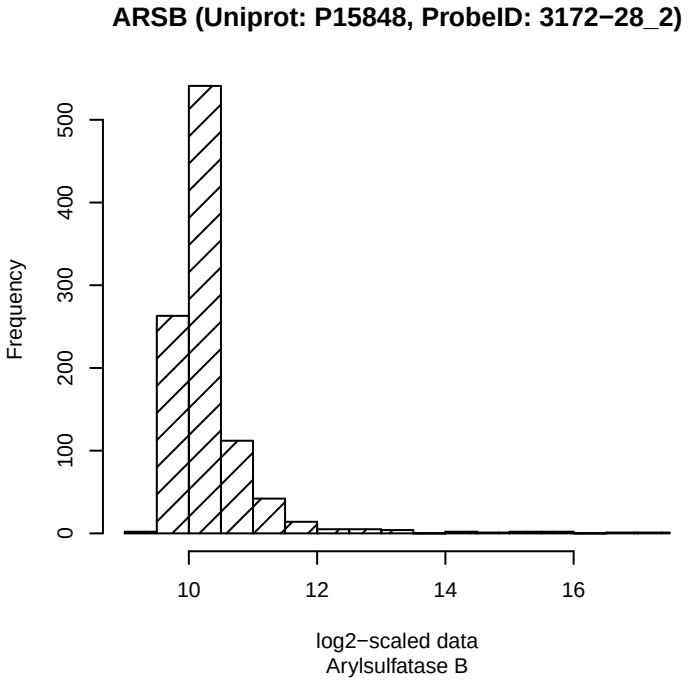

IL−23 R (Uniprot: Q5VWK5, ProbeID: 5088−175_3)
log2−scaled data
10
11
12
13
14
G/G (874)
G/A (120)
A/A (2)
rs11209026 (Chr1:67705958)
Locus 251 top sentinel (CIS), p=1.4e−13, FC=−1.1894

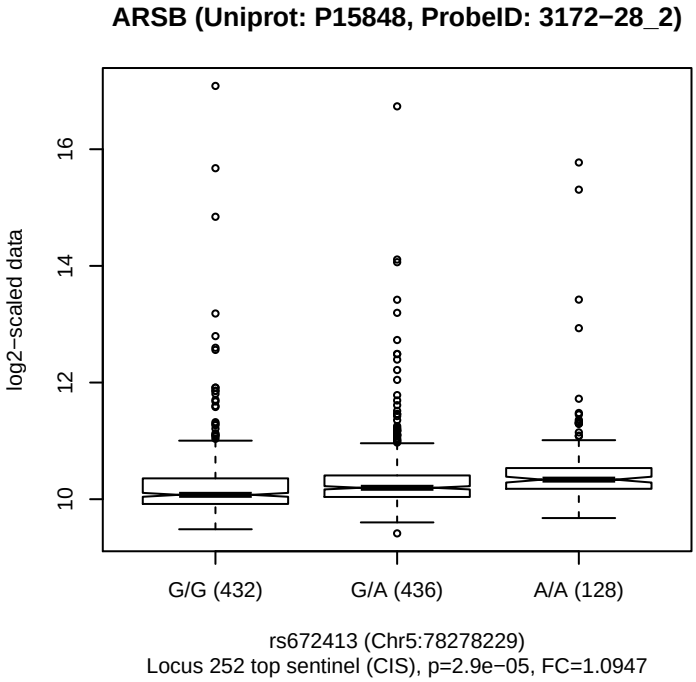

IL−23 R (Uniprot: Q5VWK5, ProbeID: 5088−175_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−23 receptor

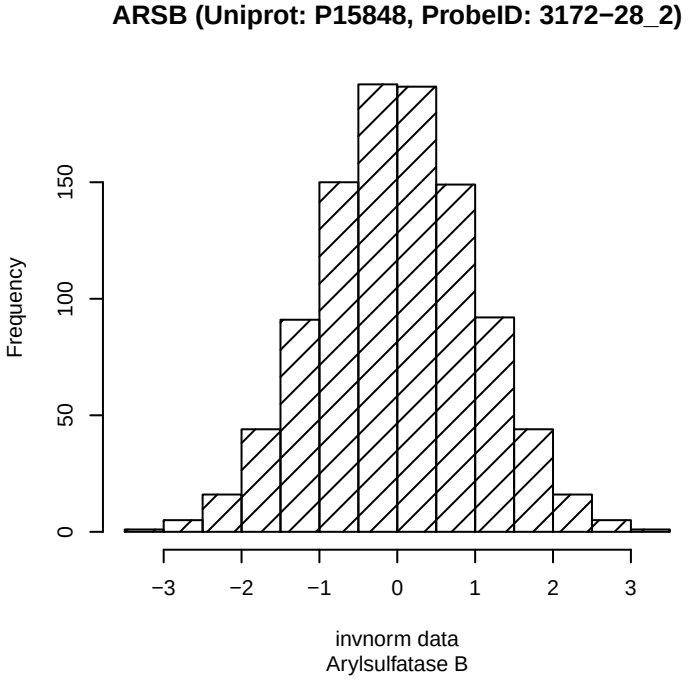

IL−23 R (Uniprot: Q5VWK5, ProbeID: 5088−175_3)
invnorm data
−3
−2
−1
0
1
2
3
G/G (874)
G/A (120)
A/A (2)
rs11209026 (Chr1:67705958)
Locus 251 top sentinel (CIS), p=3.4e−16

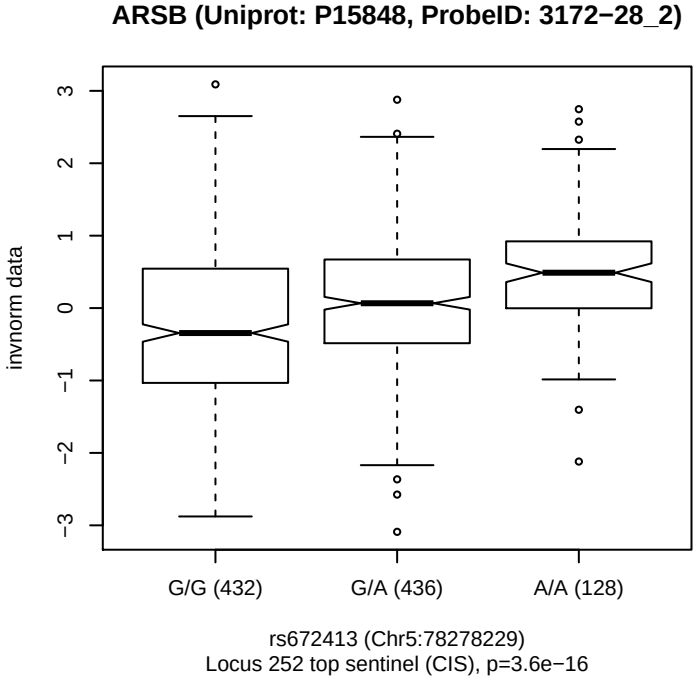

ARSB (Uniprot: P15848, ProbeID: 3172−28_2)
Frequency
0
200
400
600
800
1000
0
20000
40000
60000
80000
120000
raw data
Arylsulfatase B

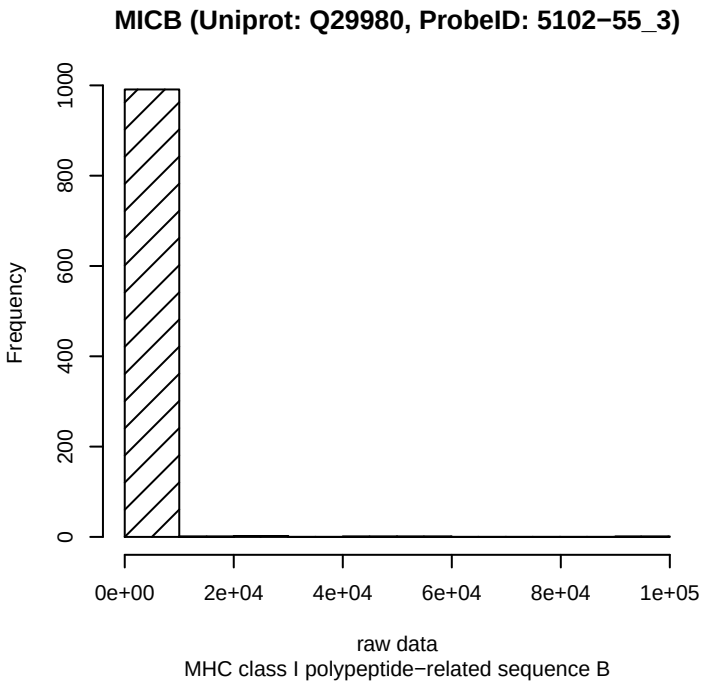

ARSB (Uniprot: P15848, ProbeID: 3172−28_2)
raw data
0
20000
60000
100000
140000
G/G (432)
G/A (436)
A/A (128)
rs672413 (Chr5:78278229)
Locus 252 top sentinel (CIS), p=0.65

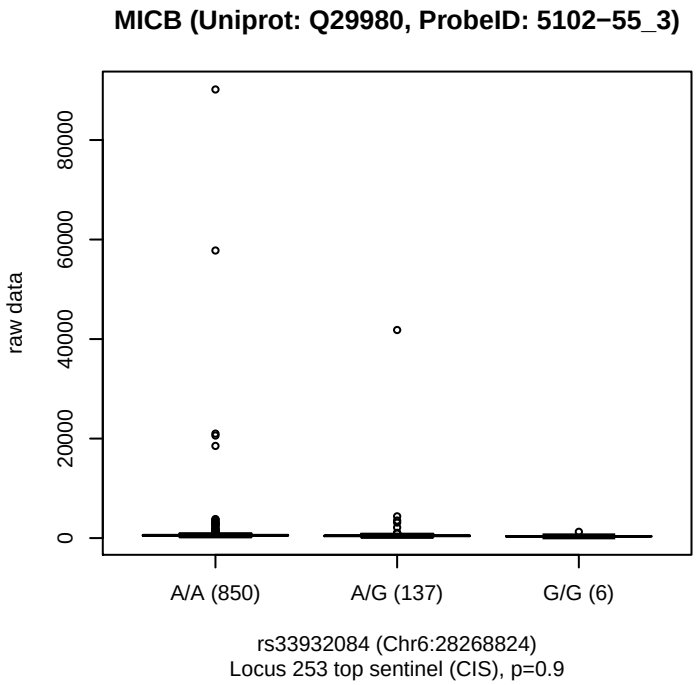

ARSB (Uniprot: P15848, ProbeID: 3172−28_2)
Frequency
0
100
200
300
400
500
10
12
14
16
log2−scaled data
Arylsulfatase B

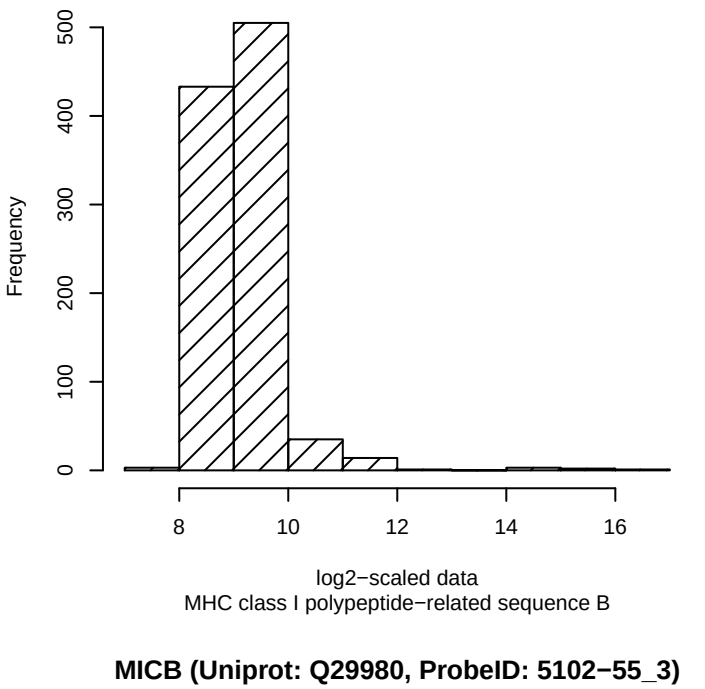

ARSB (Uniprot: P15848, ProbeID: 3172−28_2)
log2−scaled data
10
12
14
16
G/G (432)
G/A (436)
A/A (128)
rs672413 (Chr5:78278229)
Locus 252 top sentinel (CIS), p=2.9e−05, FC=1.0947

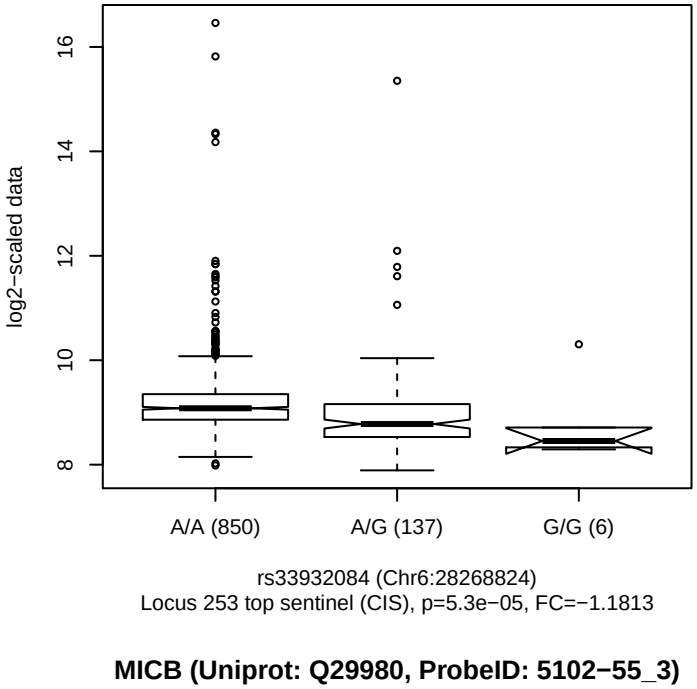

ARSB (Uniprot: P15848, ProbeID: 3172−28_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Arylsulfatase B

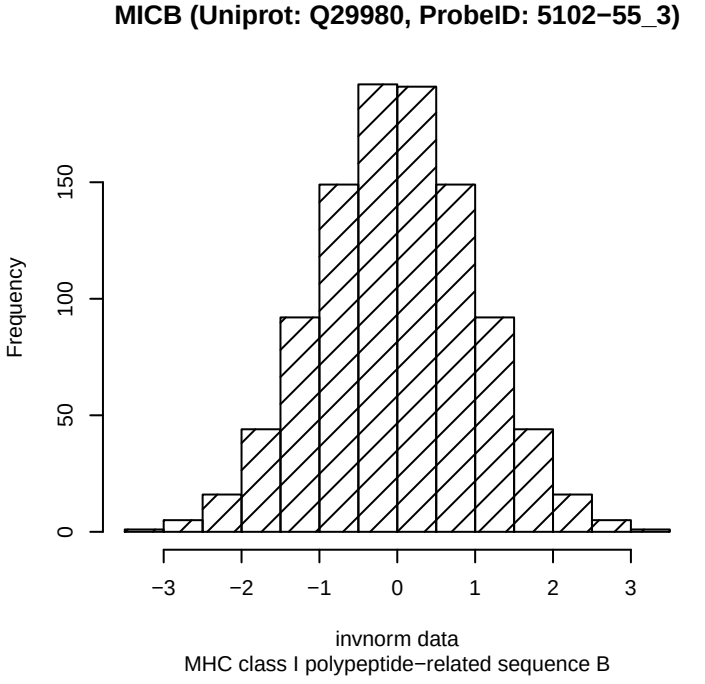

ARSB (Uniprot: P15848, ProbeID: 3172−28_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (432)
G/A (436)
A/A (128)
rs672413 (Chr5:78278229)
Locus 252 top sentinel (CIS), p=3.6e−16

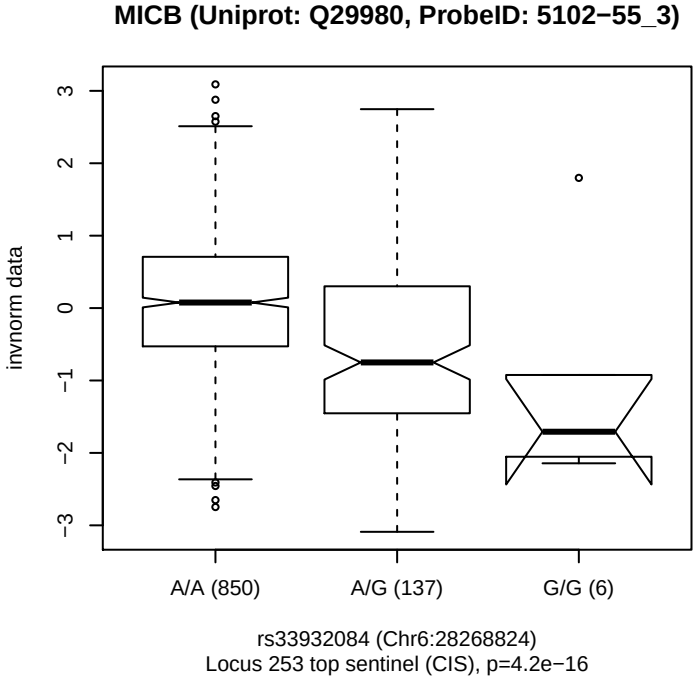

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
200
400
600
800
1000
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
raw data
MHC class I polypeptide−related sequence B

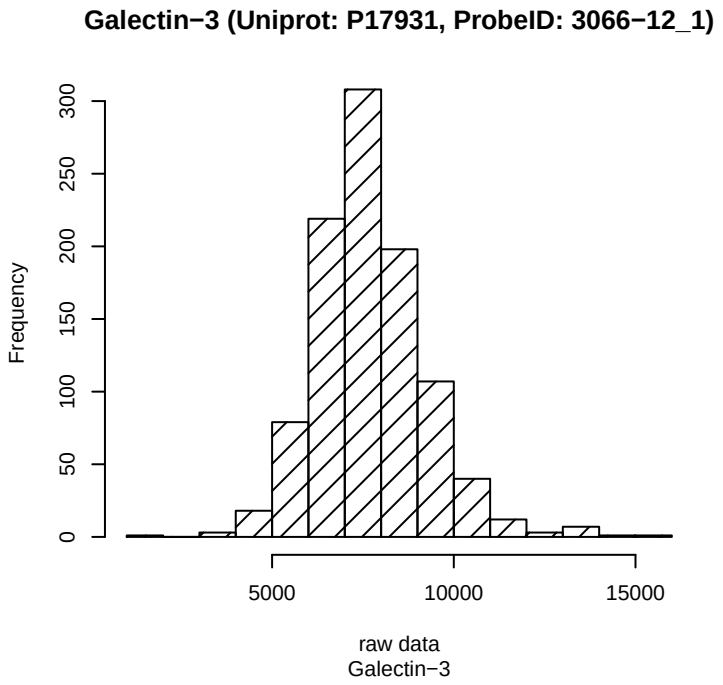

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
raw data
0
20000
40000
60000
80000
A/A (850)
A/G (137)
G/G (6)
rs33932084 (Chr6:28268824)
Locus 253 top sentinel (CIS), p=0.9

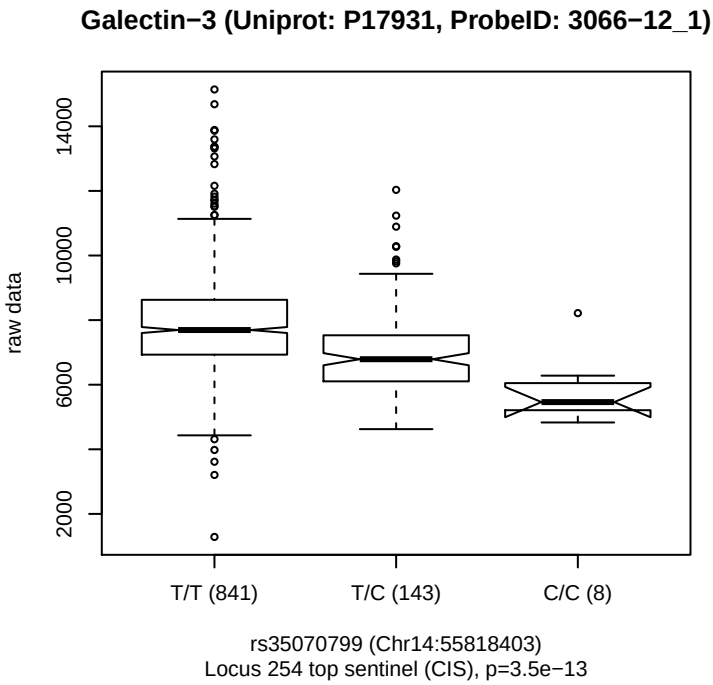

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
100
200
300
400
500
8
10
12
14
16
log2−scaled data
MHC class I polypeptide−related sequence B

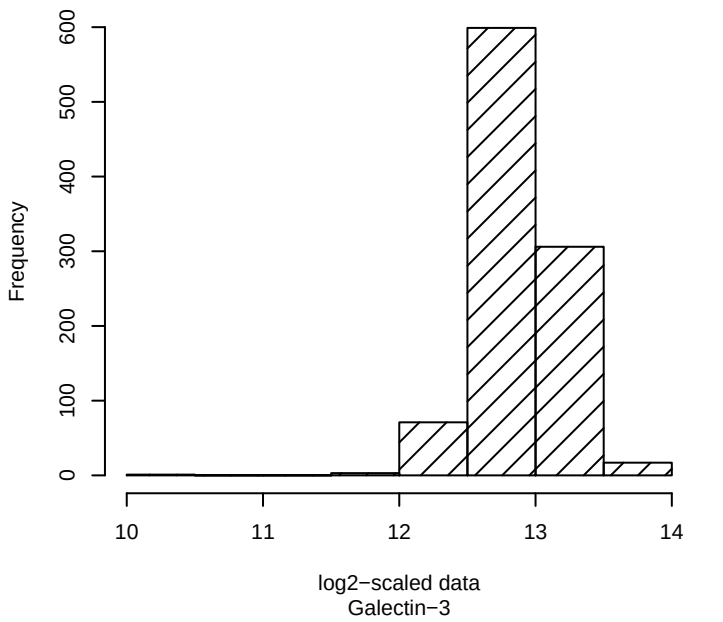

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
log2−scaled data
8
10
12
14
16
A/A (850)
A/G (137)
G/G (6)
rs33932084 (Chr6:28268824)
Locus 253 top sentinel (CIS), p=5.3e−05, FC=−1.1813

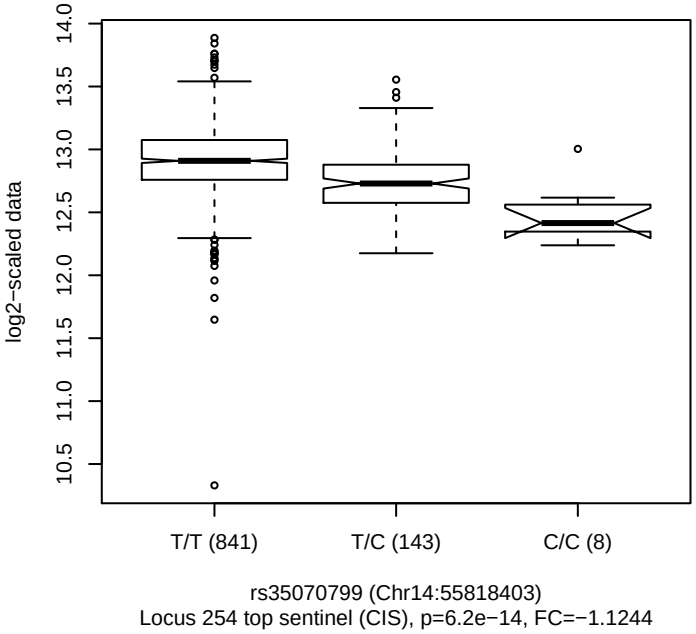

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence B

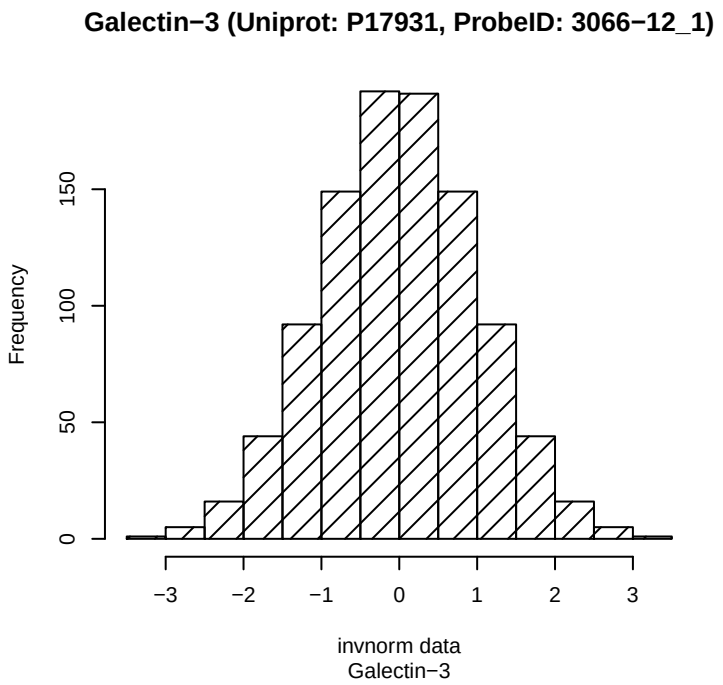

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
invnorm data
−3
−2
−1
0
1
2
3
A/A (850)
A/G (137)
G/G (6)
rs33932084 (Chr6:28268824)
Locus 253 top sentinel (CIS), p=4.2e−16

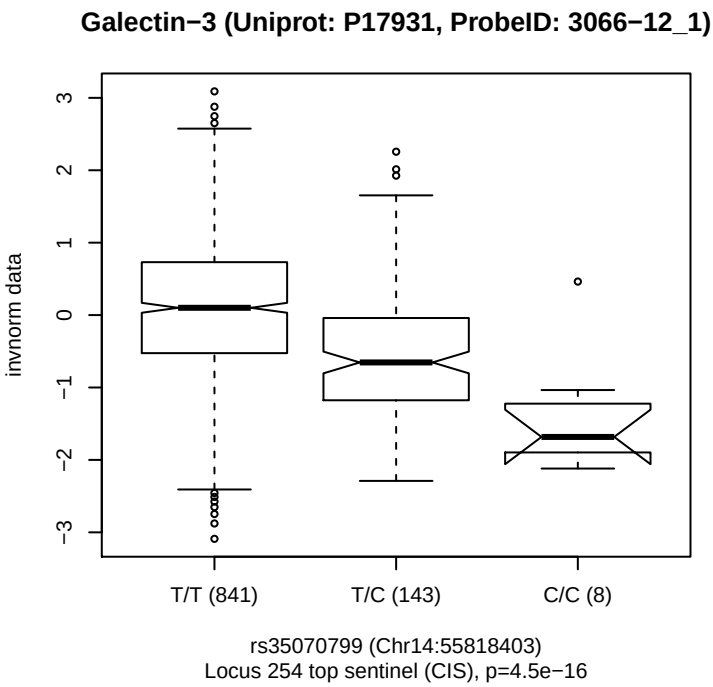

Galectin−3 (Uniprot: P17931, ProbeID: 3066−12_1)
Frequency
0
50
100
150
200
250
300
5000
10000
15000
raw data
Galectin−3

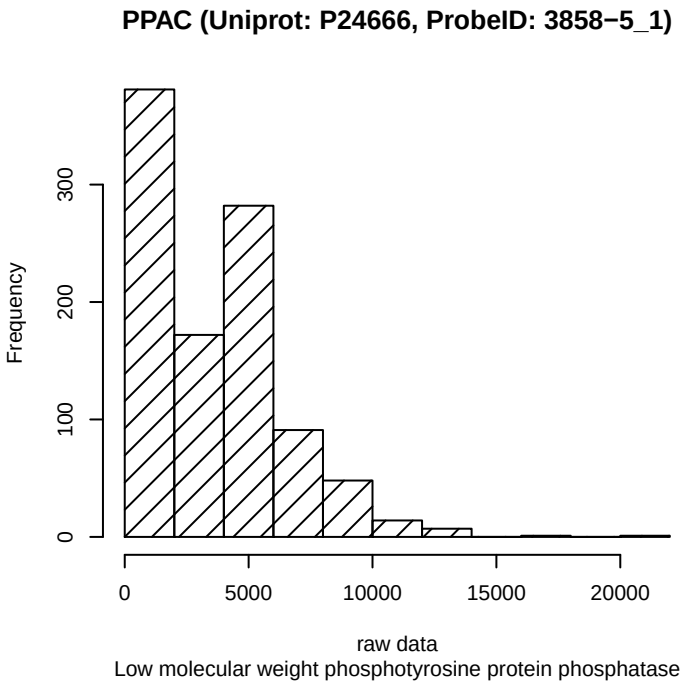

Galectin−3 (Uniprot: P17931, ProbeID: 3066−12_1)
raw data
2000
6000
10000
14000
T/T (841)
T/C (143)
C/C (8)
rs35070799 (Chr14:55818403)
Locus 254 top sentinel (CIS), p=3.5e−13

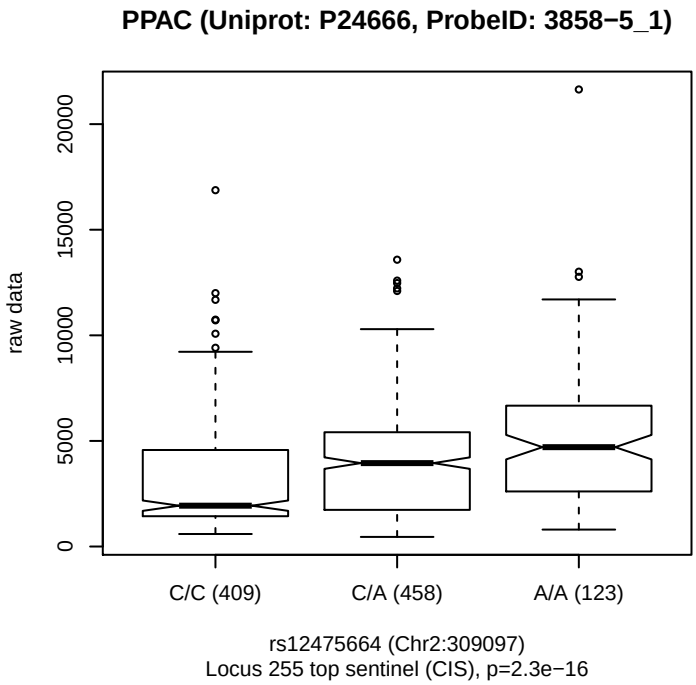

Galectin−3 (Uniprot: P17931, ProbeID: 3066−12_1)
Frequency
0
100
200
300
400
500
600
10
11
12
13
14
log2−scaled data
Galectin−3

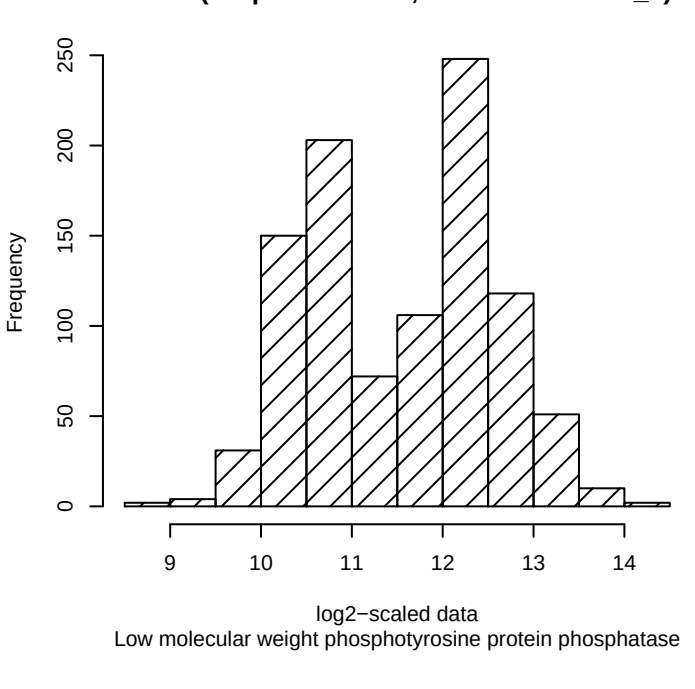

Galectin−3 (Uniprot: P17931, ProbeID: 3066−12_1)
log2−scaled data
10.5
11.0
11.5
12.0
12.5
13.0
13.5
14.0
T/T (841)
T/C (143)
C/C (8)
rs35070799 (Chr14:55818403)
Locus 254 top sentinel (CIS), p=6.2e−14, FC=−1.1244

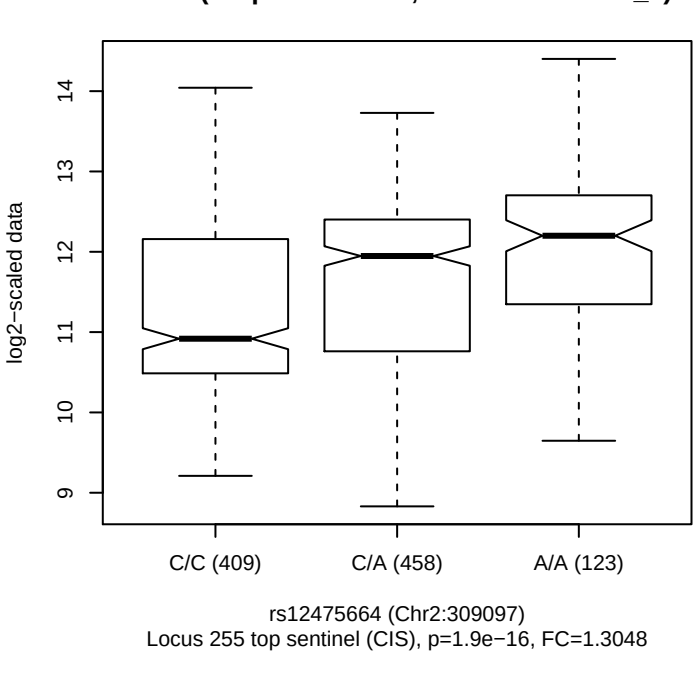

Galectin−3 (Uniprot: P17931, ProbeID: 3066−12_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Galectin−3

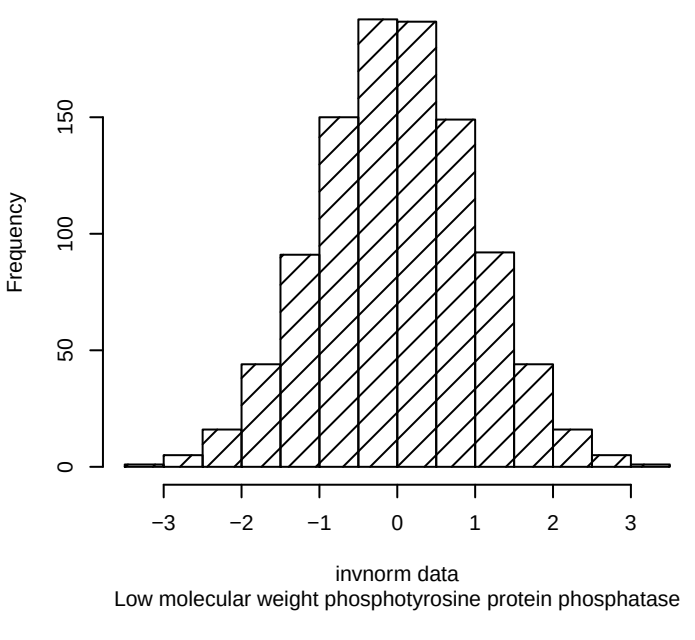

Galectin−3 (Uniprot: P17931, ProbeID: 3066−12_1)
invnorm data
−3
−2
−1
0
1
2
3
T/T (841)
T/C (143)
C/C (8)
rs35070799 (Chr14:55818403)
Locus 254 top sentinel (CIS), p=4.5e−16

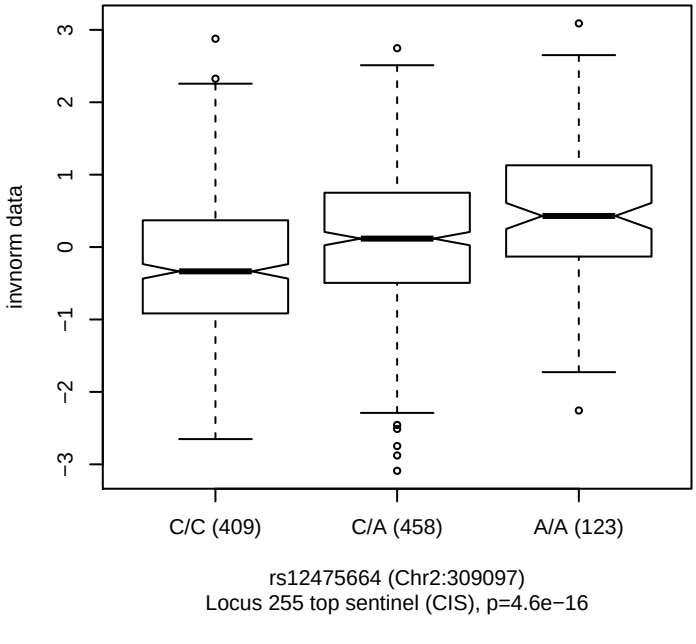

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
Frequency
0
100
200
300
0
5000
10000
15000
20000
raw data
Low molecular weight phosphotyrosine protein phosphatase

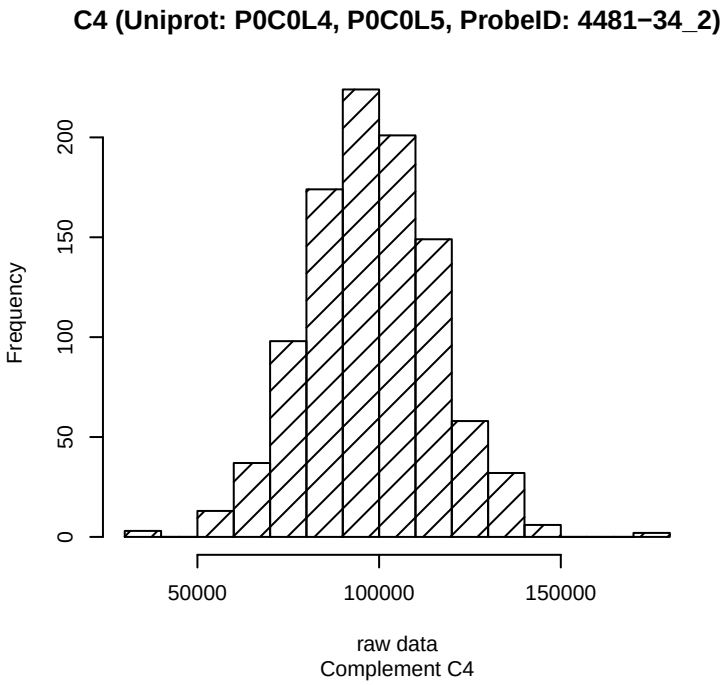

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
raw data
0
5000
10000
15000
20000
C/C (409)
C/A (458)
A/A (123)
rs12475664 (Chr2:309097)
Locus 255 top sentinel (CIS), p=2.3e−16

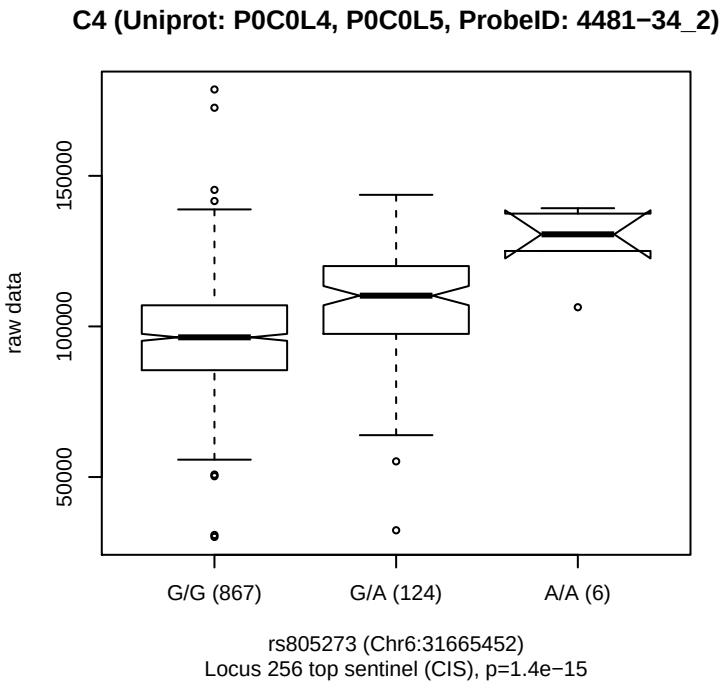

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
Frequency
0
50
100
150
200
250
9
10
11
12
13
14
log2−scaled data
Low molecular weight phosphotyrosine protein phosphatase

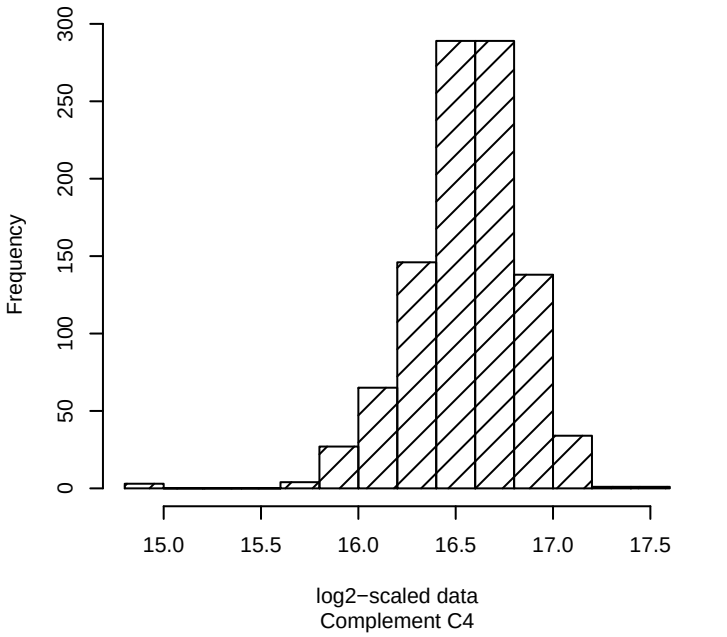

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
log2−scaled data
9
10
11
12
13
14
C/C (409)
C/A (458)
A/A (123)
rs12475664 (Chr2:309097)
Locus 255 top sentinel (CIS), p=1.9e−16, FC=1.3048

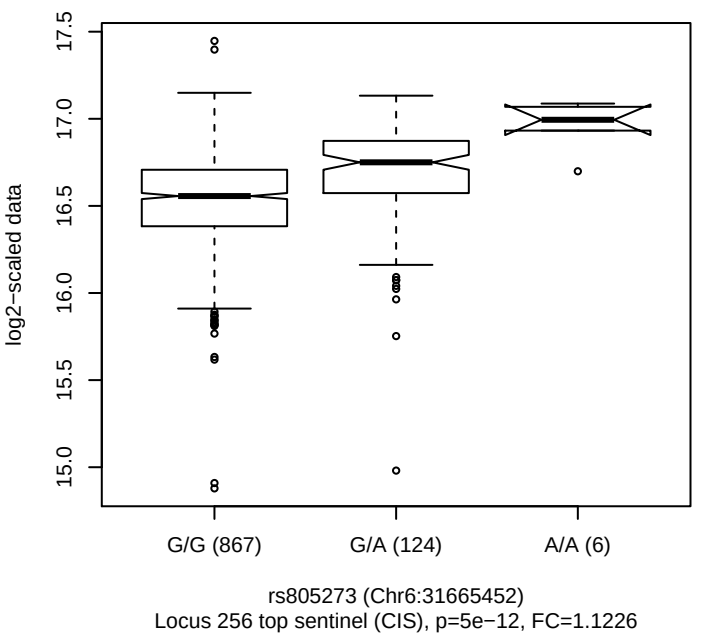

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Low molecular weight phosphotyrosine protein phosphatase

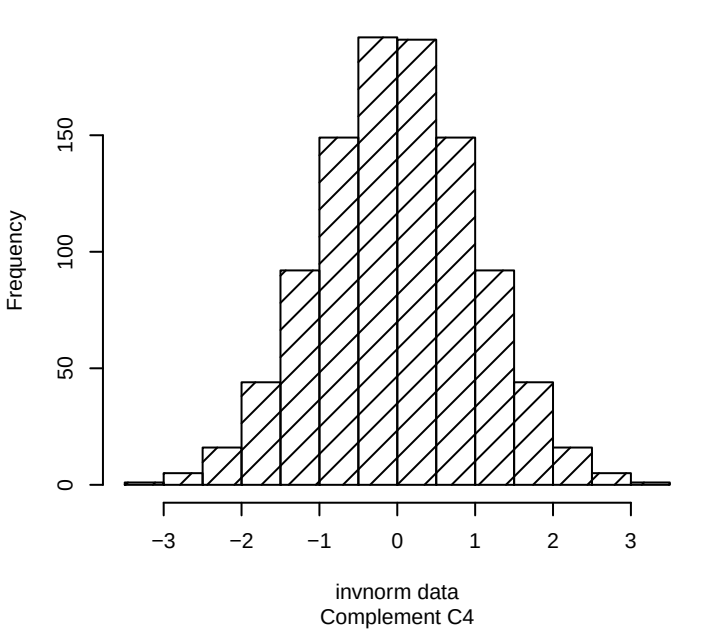

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
invnorm data
−3
−2
−1
0
1
2
3
C/C (409)
C/A (458)
A/A (123)
rs12475664 (Chr2:309097)
Locus 255 top sentinel (CIS), p=4.6e−16

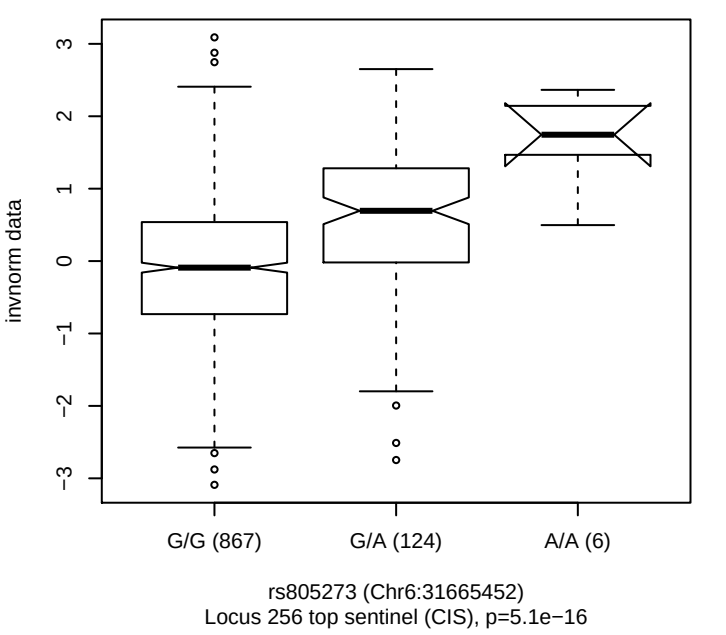

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
Frequency
0
50
100
150
200
50000
100000
150000
raw data
Complement C4

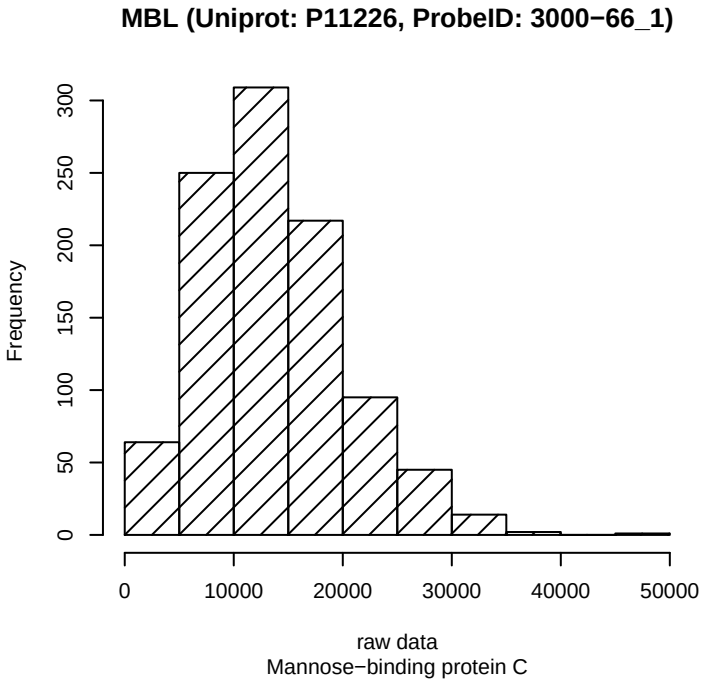

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
raw data
50000
100000
150000
G/G (867)
G/A (124)
A/A (6)
rs805273 (Chr6:31665452)
Locus 256 top sentinel (CIS), p=1.4e−15

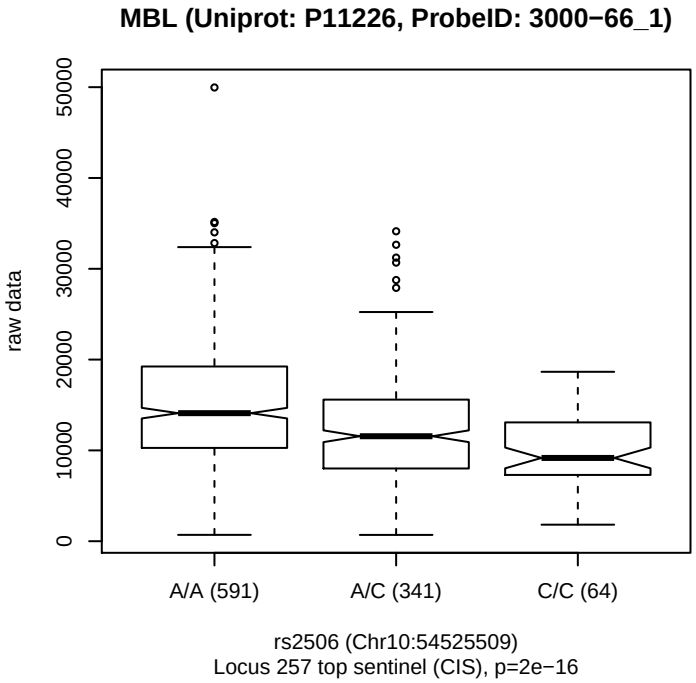

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
Frequency
0
50
100
150
200
250
300
15.0
15.5
16.0
16.5
17.0
17.5
log2−scaled data
Complement C4

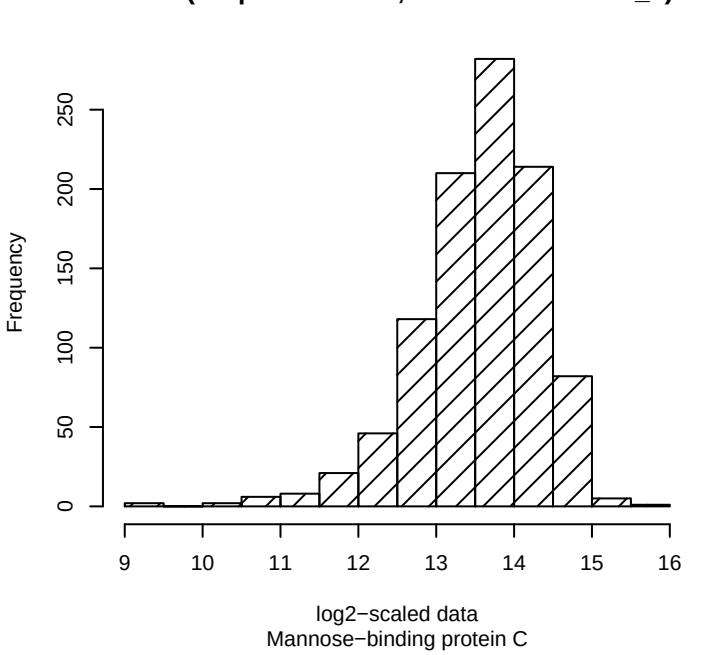

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
log2−scaled data
15.0
15.5
16.0
16.5
17.0
17.5
G/G (867)
G/A (124)
A/A (6)
rs805273 (Chr6:31665452)
Locus 256 top sentinel (CIS), p=5e−12, FC=1.1226

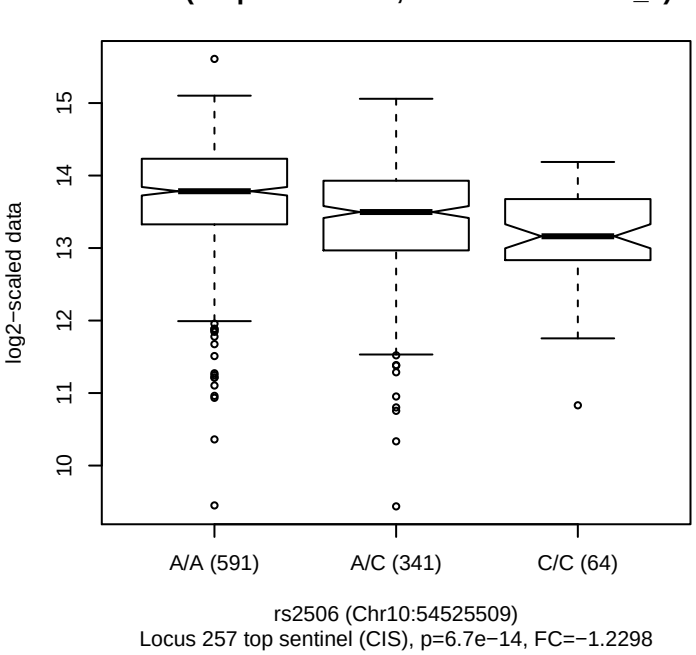

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Complement C4

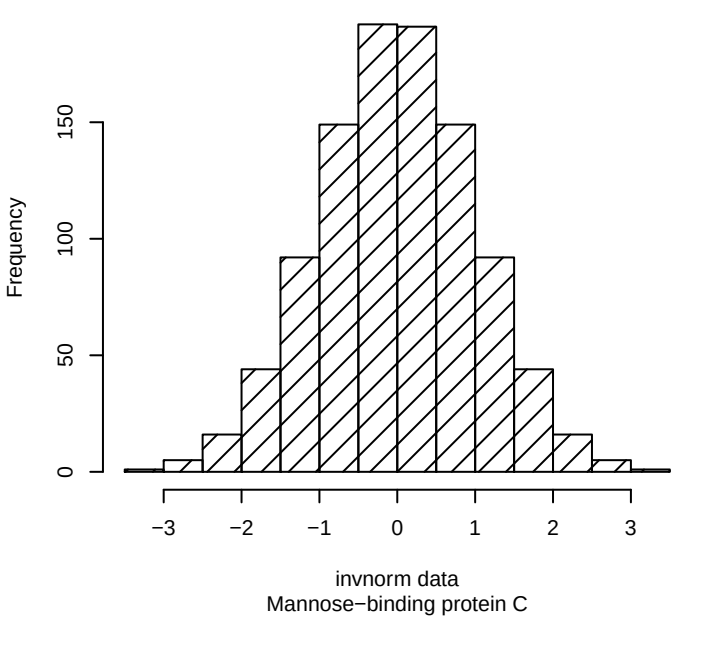

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (867)
G/A (124)
A/A (6)
rs805273 (Chr6:31665452)
Locus 256 top sentinel (CIS), p=5.1e−16

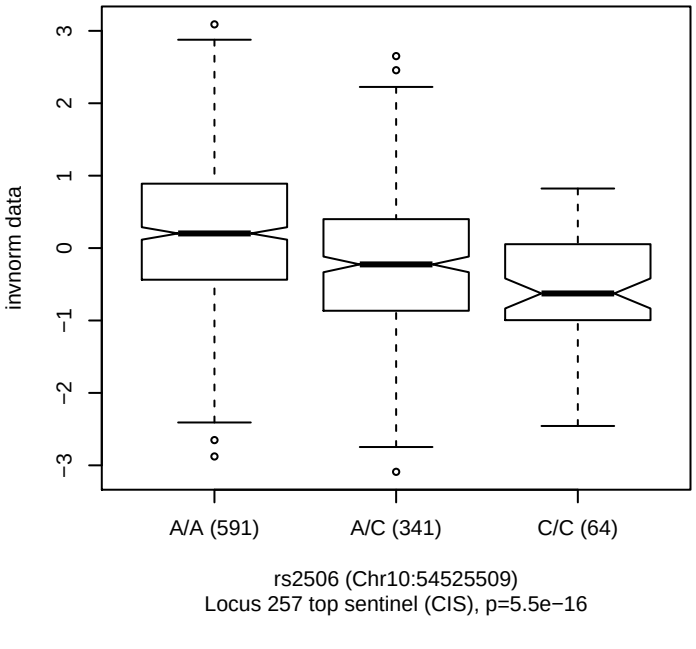

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
Frequency
0
50
100
150
200
250
300
0
10000
20000
30000
40000
50000
raw data
Mannose−binding protein C

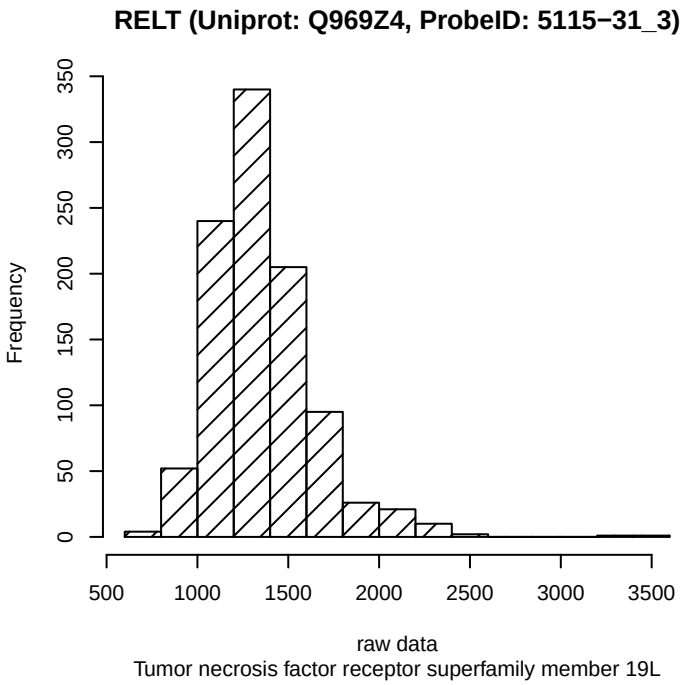

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
raw data
0
10000
20000
30000
40000
50000
A/A (591)
A/C (341)
C/C (64)
rs2506 (Chr10:54525509)
Locus 257 top sentinel (CIS), p=2e−16

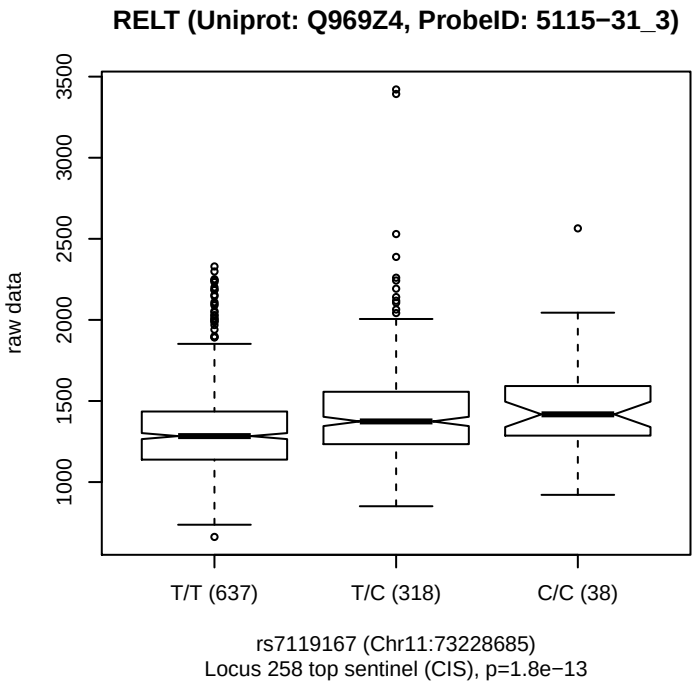

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
Frequency
0
50
100
150
200
250
9
10
11
12
13
14
15
16
log2−scaled data
Mannose−binding protein C

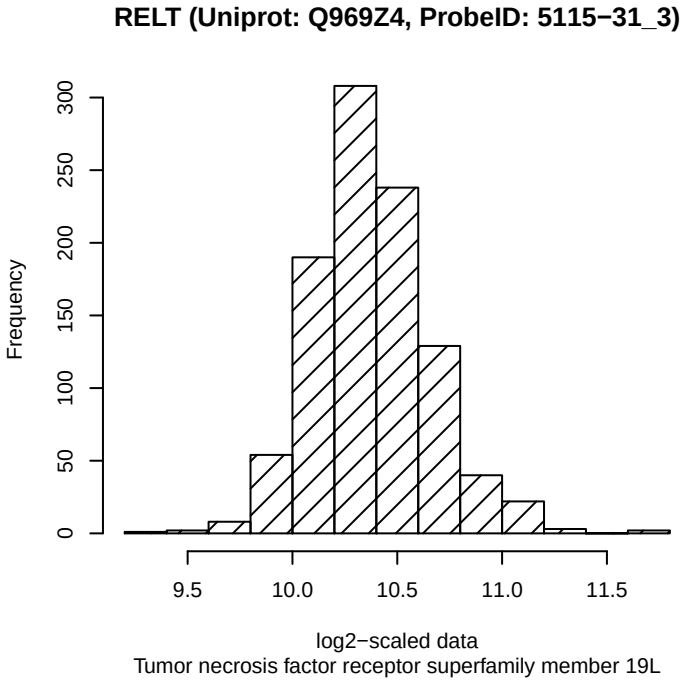

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
log2−scaled data
10
11
12
13
14
15
A/A (591)
A/C (341)
C/C (64)
rs2506 (Chr10:54525509)
Locus 257 top sentinel (CIS), p=6.7e−14, FC=−1.2298

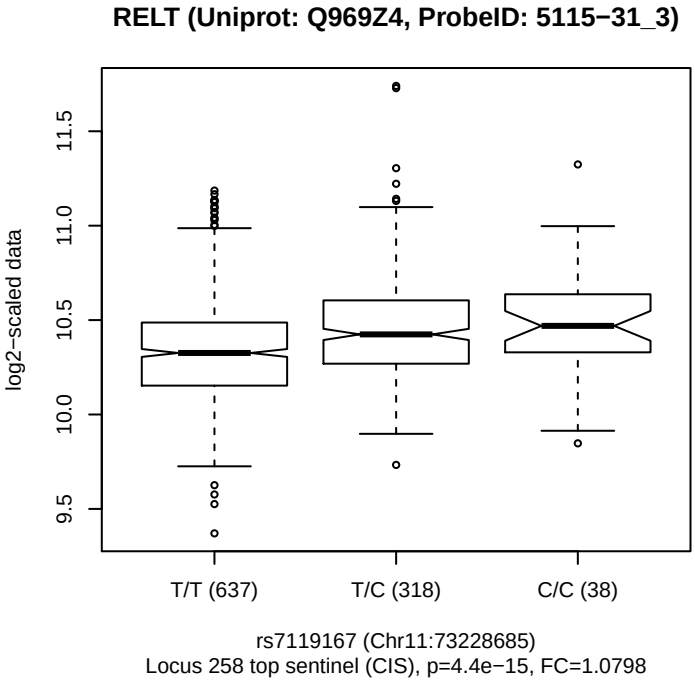

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Mannose−binding protein C

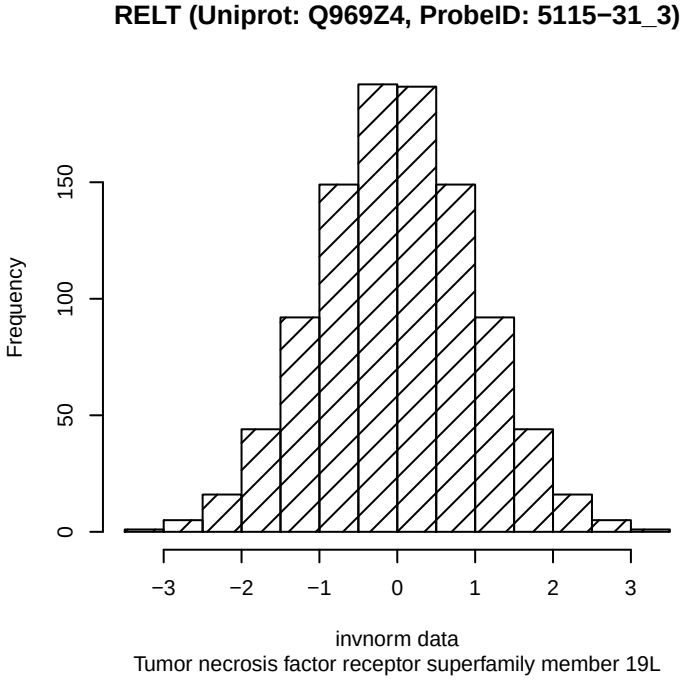

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
invnorm data
−3
−2
−1
0
1
2
3
A/A (591)
A/C (341)
C/C (64)
rs2506 (Chr10:54525509)
Locus 257 top sentinel (CIS), p=5.5e−16

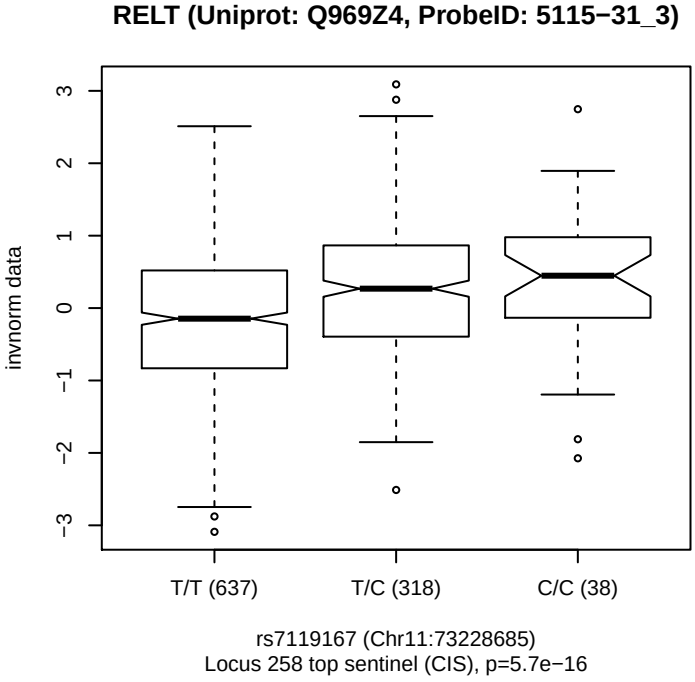

RELT (Uniprot: Q969Z4, ProbeID: 5115−31_3)
Frequency
0
50
100
150
200
250
300
350
500
1000
1500
2000
2500
3000
3500
raw data
Tumor necrosis factor receptor superfamily member 19L

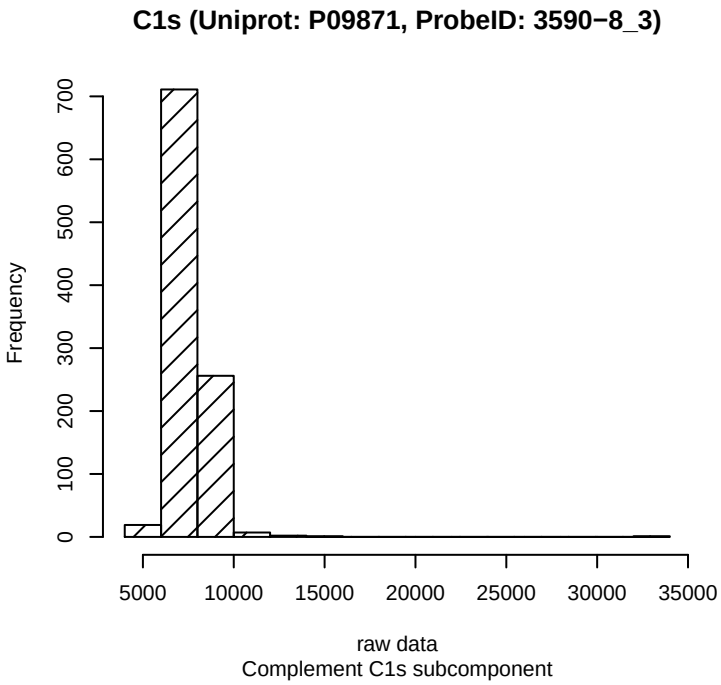

RELT (Uniprot: Q969Z4, ProbeID: 5115−31_3)
raw data
1000
1500
2000
2500
3000
3500
T/T (637)
T/C (318)
C/C (38)
rs7119167 (Chr11:73228685)
Locus 258 top sentinel (CIS), p=1.8e−13

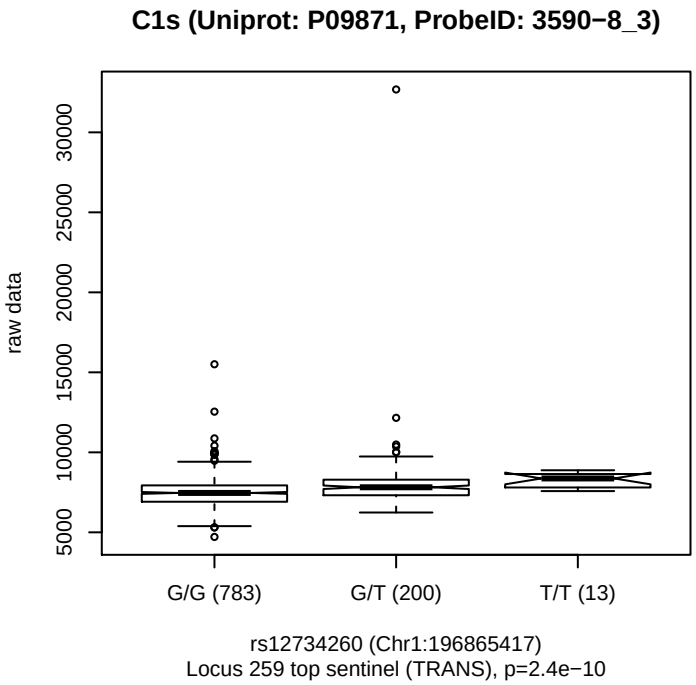

RELT (Uniprot: Q969Z4, ProbeID: 5115−31_3)
Frequency
0
50
100
150
200
250
300
9.5
10.0
10.5
11.0
11.5
log2−scaled data
Tumor necrosis factor receptor superfamily member 19L

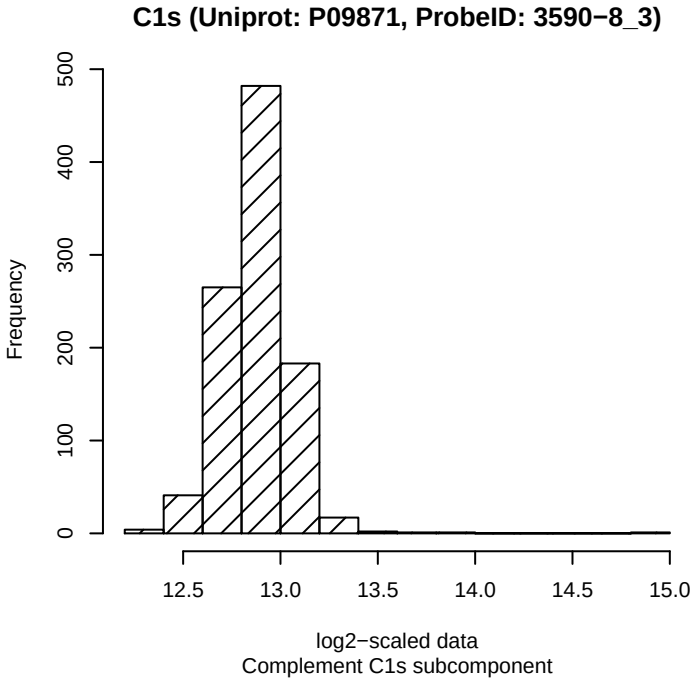

RELT (Uniprot: Q969Z4, ProbeID: 5115−31_3)
log2−scaled data
9.5
10.0
10.5
11.0
11.5
T/T (637)
T/C (318)
C/C (38)
rs7119167 (Chr11:73228685)
Locus 258 top sentinel (CIS), p=4.4e−15, FC=1.0798

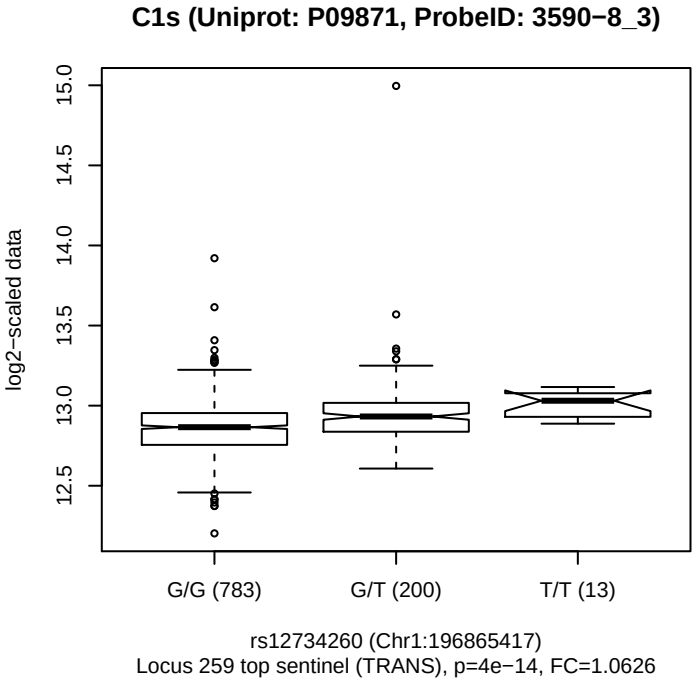

RELT (Uniprot: Q969Z4, ProbeID: 5115−31_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Tumor necrosis factor receptor superfamily member 19L

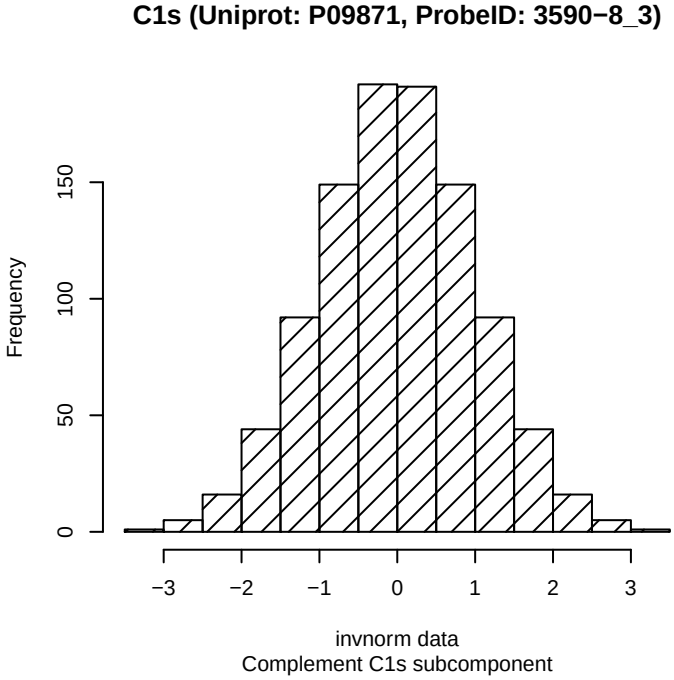

RELT (Uniprot: Q969Z4, ProbeID: 5115−31_3)
invnorm data
−3
−2
−1
0
1
2
3
T/T (637)
T/C (318)
C/C (38)
rs7119167 (Chr11:73228685)
Locus 258 top sentinel (CIS), p=5.7e−16

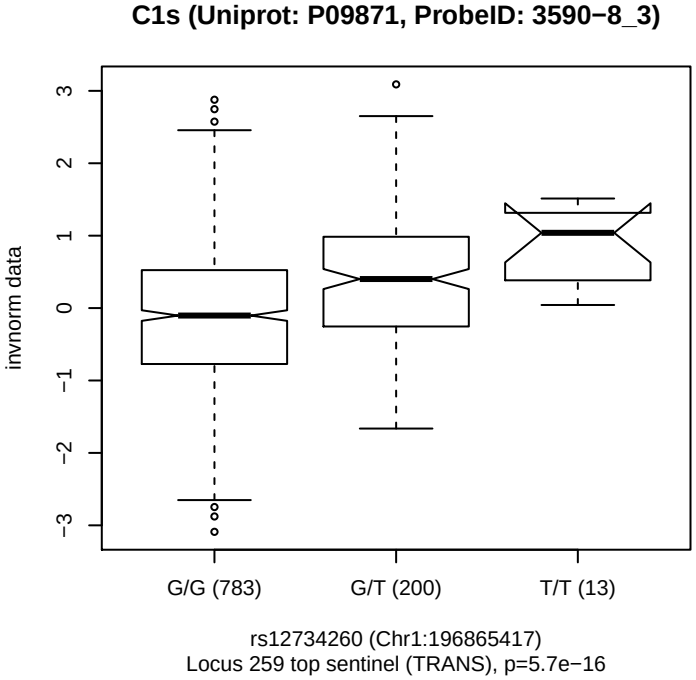

C1s (Uniprot: P09871, ProbeID: 3590−8_3)
Frequency
0
100
200
300
400
500
600
700
5000
10000
15000
20000
25000
30000
35000
raw data
Complement C1s subcomponent

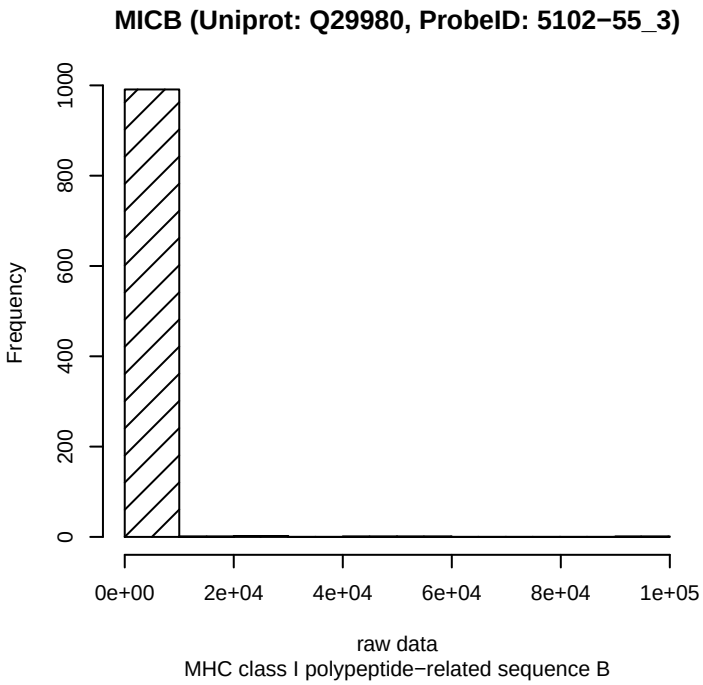

C1s (Uniprot: P09871, ProbeID: 3590−8_3)
raw data
5000
10000
15000
20000
25000
30000
G/G (783)
G/T (200)
T/T (13)
rs12734260 (Chr1:196865417)
Locus 259 top sentinel (TRANS), p=2.4e−10

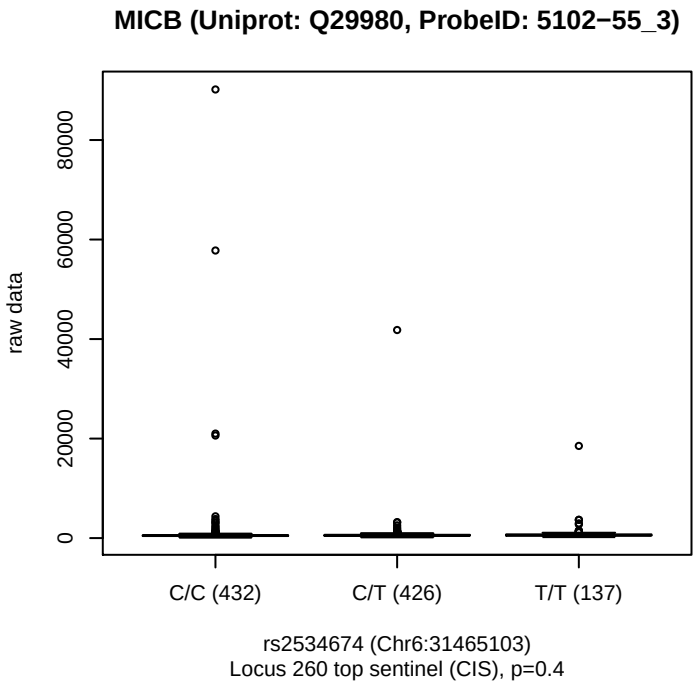

C1s (Uniprot: P09871, ProbeID: 3590−8_3)
Frequency
0
100
200
300
400
500
12.5
13.0
13.5
14.0
14.5
15.0
log2−scaled data
Complement C1s subcomponent

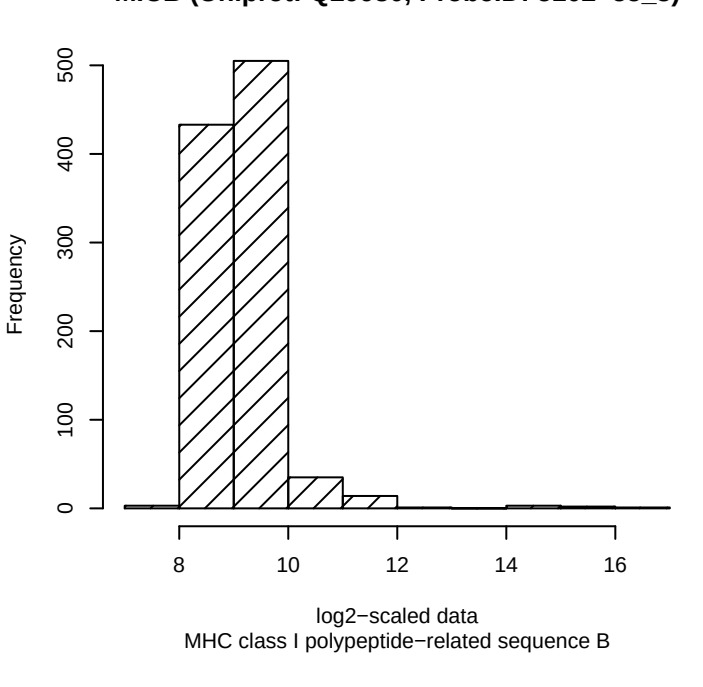

C1s (Uniprot: P09871, ProbeID: 3590−8_3)
log2−scaled data
12.5
13.0
13.5
14.0
14.5
15.0
G/G (783)
G/T (200)
T/T (13)
rs12734260 (Chr1:196865417)
Locus 259 top sentinel (TRANS), p=4e−14, FC=1.0626

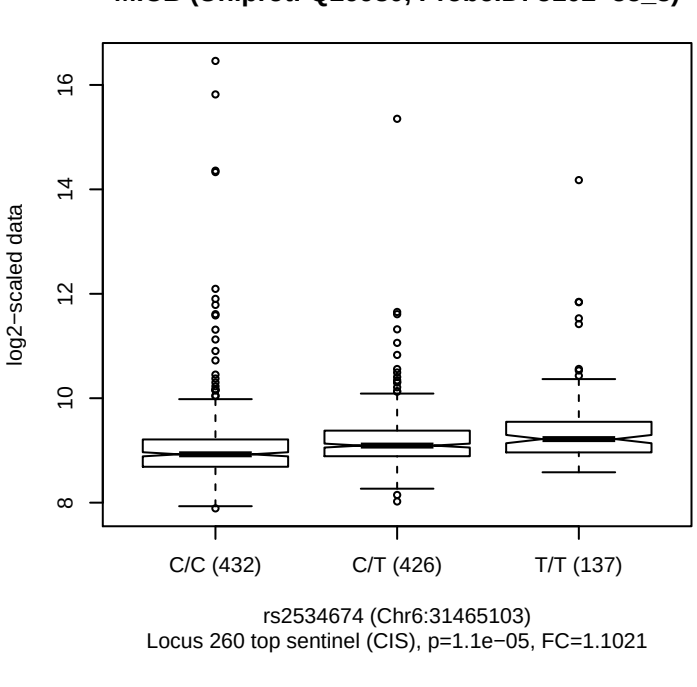

C1s (Uniprot: P09871, ProbeID: 3590−8_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Complement C1s subcomponent

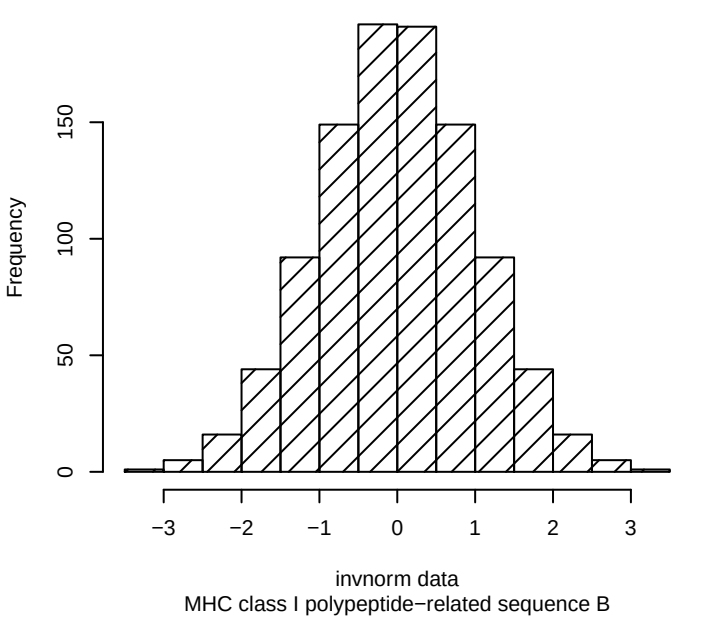

C1s (Uniprot: P09871, ProbeID: 3590−8_3)
invnorm data
−3
−2
−1
0
1
2
3
G/G (783)
G/T (200)
T/T (13)
rs12734260 (Chr1:196865417)
Locus 259 top sentinel (TRANS), p=5.7e−16

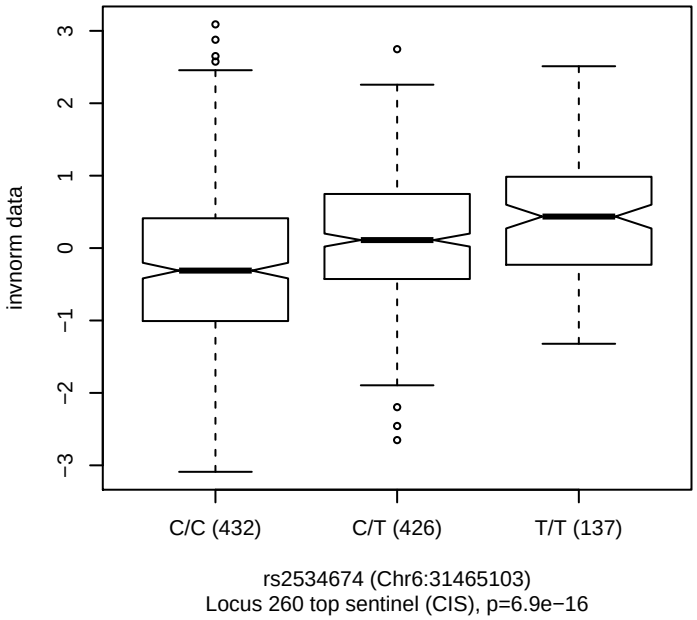

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
200
400
600
800
1000
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
raw data
MHC class I polypeptide−related sequence B

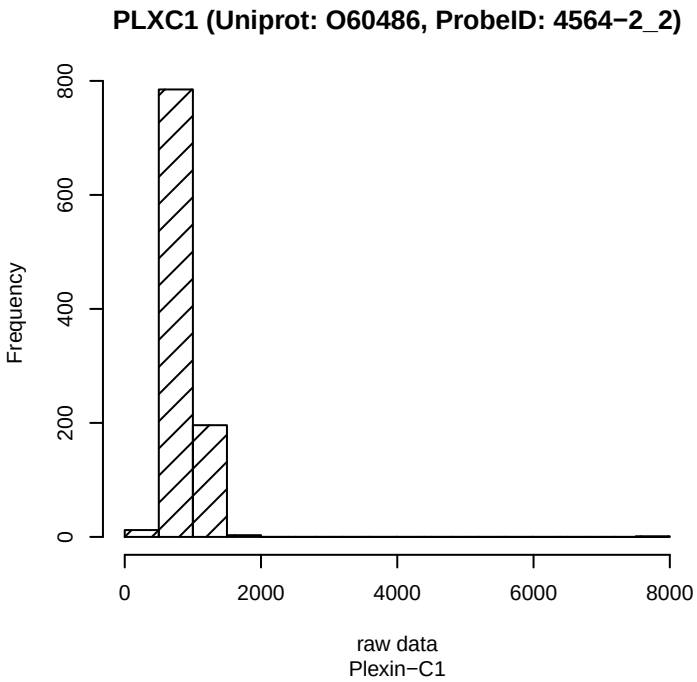

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
raw data
0
20000
40000
60000
80000
C/C (432)
C/T (426)
T/T (137)
rs2534674 (Chr6:31465103)
Locus 260 top sentinel (CIS), p=0.4

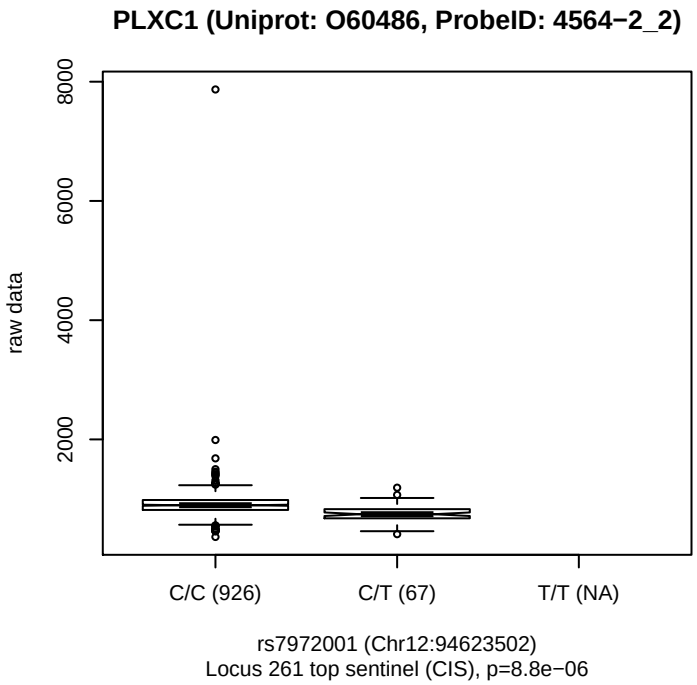

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
100
200
300
400
500
8
10
12
14
16
log2−scaled data
MHC class I polypeptide−related sequence B

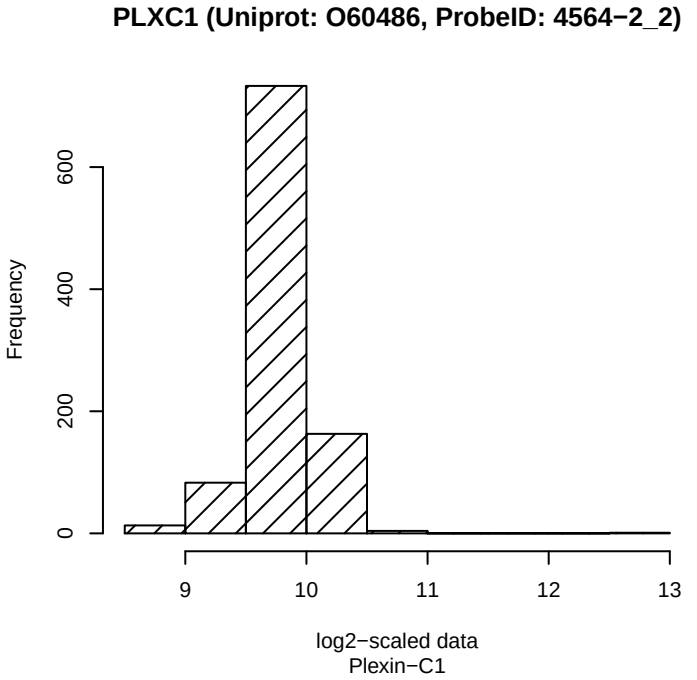

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
log2−scaled data
8
10
12
14
16
C/C (432)
C/T (426)
T/T (137)
rs2534674 (Chr6:31465103)
Locus 260 top sentinel (CIS), p=1.1e−05, FC=1.1021

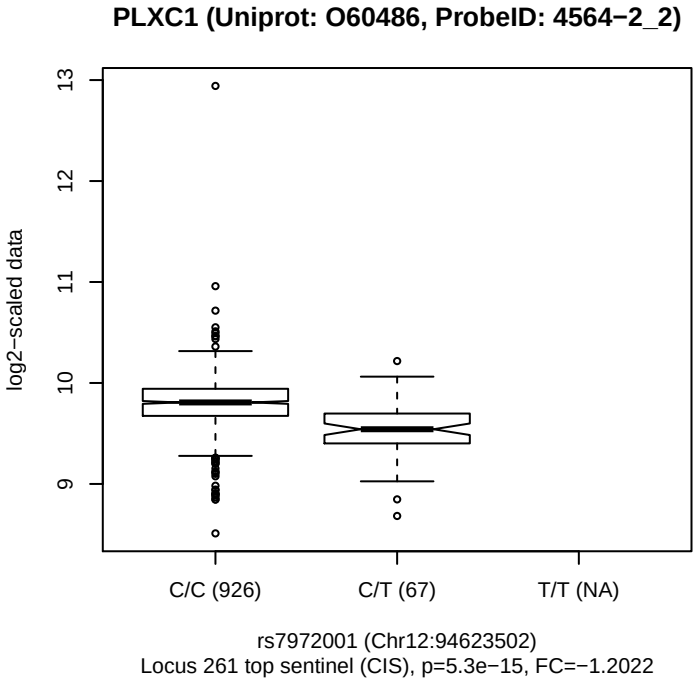

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence B

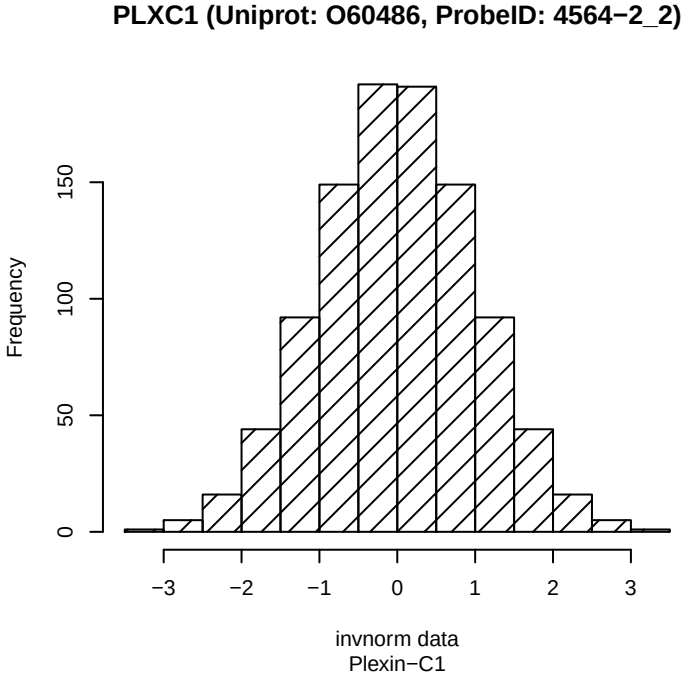

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
invnorm data
−3
−2
−1
0
1
2
3
C/C (432)
C/T (426)
T/T (137)
rs2534674 (Chr6:31465103)
Locus 260 top sentinel (CIS), p=6.9e−16

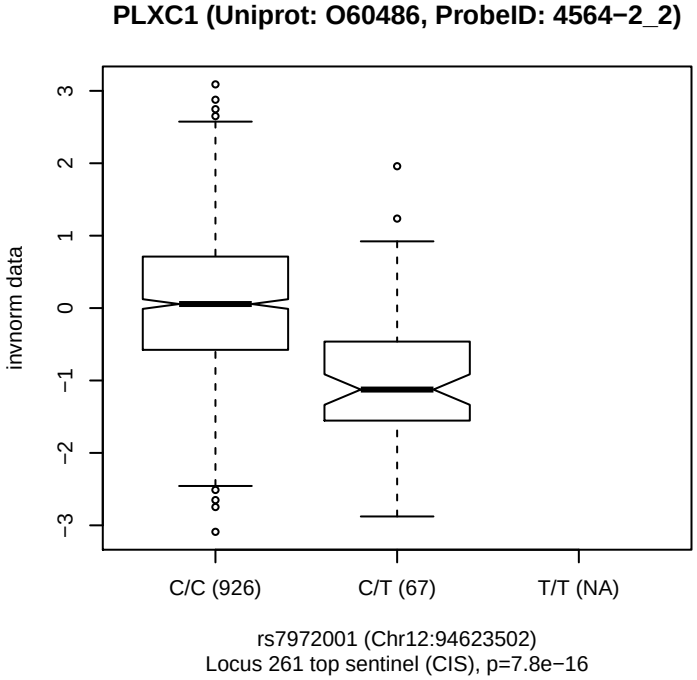

PLXC1 (Uniprot: O60486, ProbeID: 4564−2_2)
Frequency
0
200
400
600
800
0
2000
4000
6000
8000
raw data
Plexin−C1

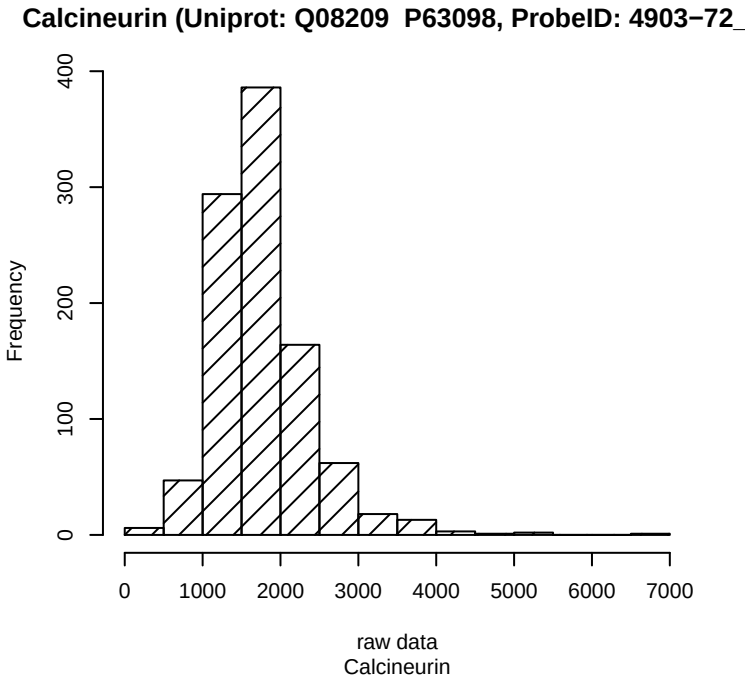

PLXC1 (Uniprot: O60486, ProbeID: 4564−2_2)
raw data
2000
4000
6000
8000
C/C (926)
C/T (67)
T/T (NA)
rs7972001 (Chr12:94623502)
Locus 261 top sentinel (CIS), p=8.8e−06

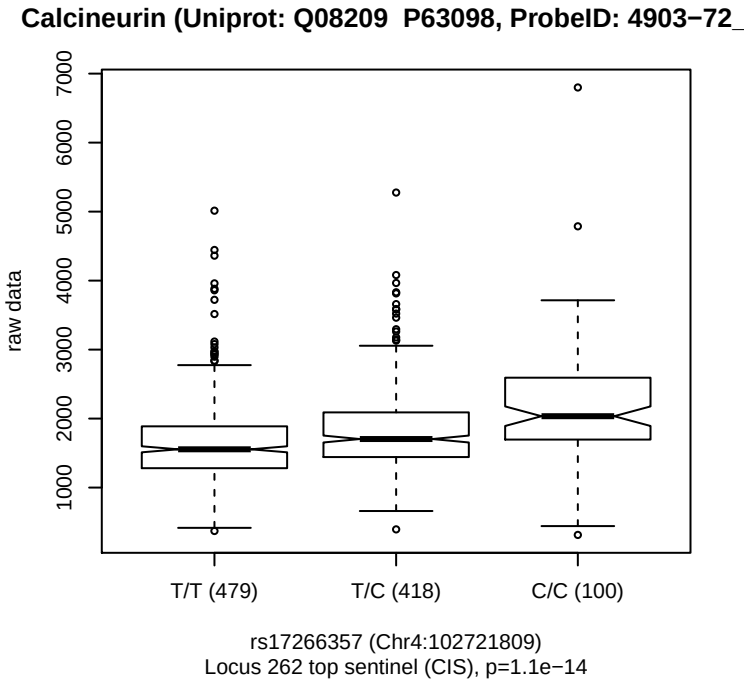

PLXC1 (Uniprot: O60486, ProbeID: 4564−2_2)
Frequency
0
200
400
600
9
10
11
12
13
log2−scaled data
Plexin−C1

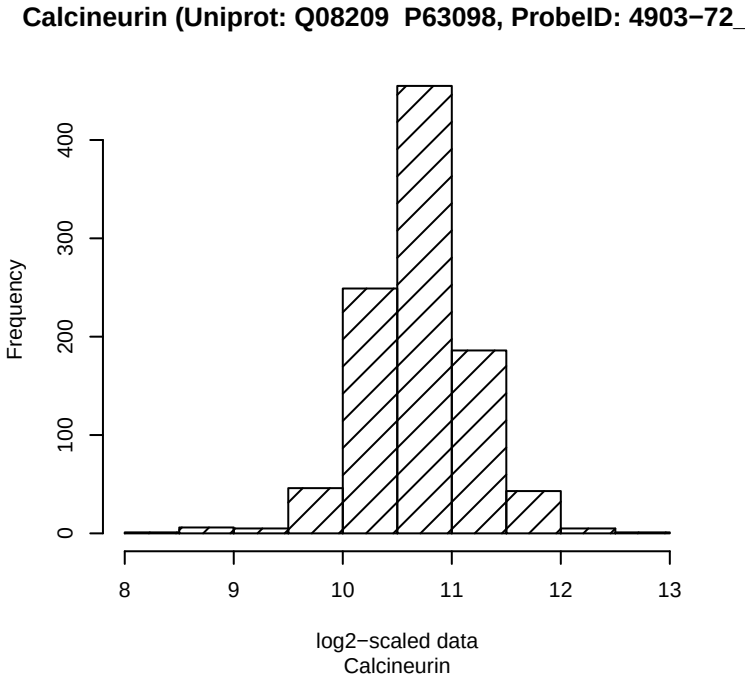

PLXC1 (Uniprot: O60486, ProbeID: 4564−2_2)
log2−scaled data
9
10
11
12
13
C/C (926)
C/T (67)
T/T (NA)
rs7972001 (Chr12:94623502)
Locus 261 top sentinel (CIS), p=5.3e−15, FC=−1.2022

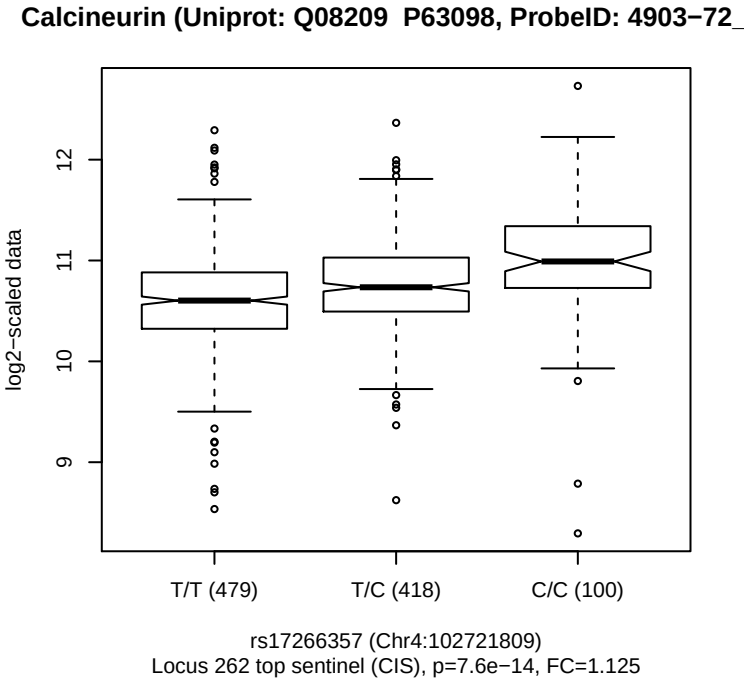

PLXC1 (Uniprot: O60486, ProbeID: 4564−2_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Plexin−C1

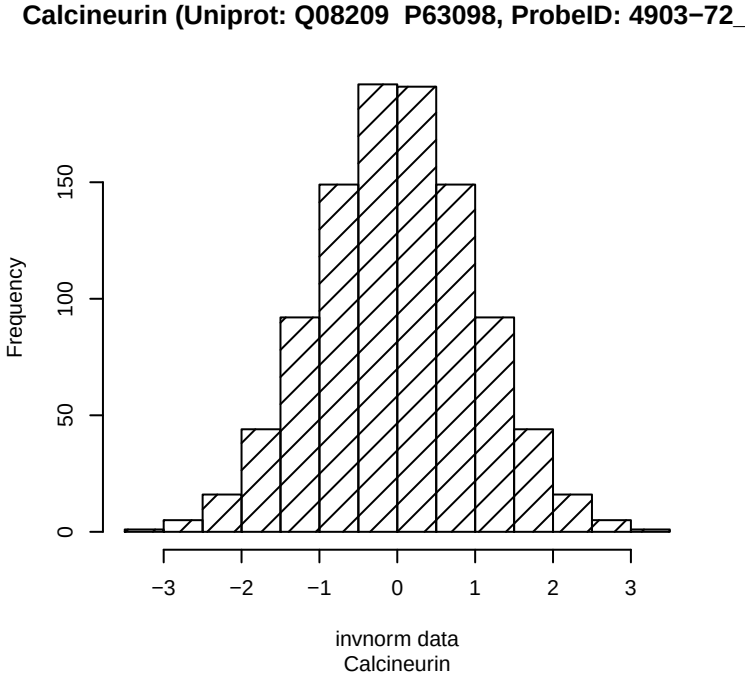

PLXC1 (Uniprot: O60486, ProbeID: 4564−2_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (926)
C/T (67)
T/T (NA)
rs7972001 (Chr12:94623502)
Locus 261 top sentinel (CIS), p=7.8e−16

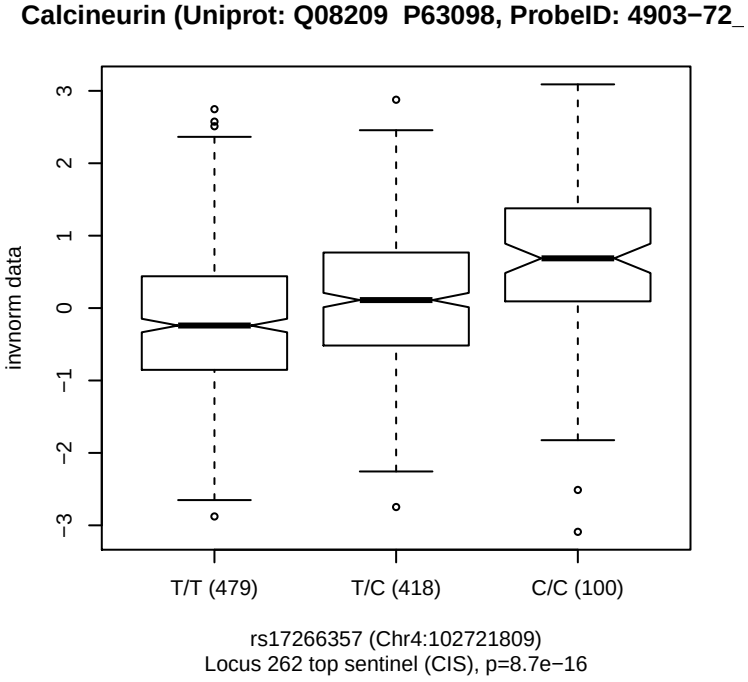

Calcineurin (Uniprot: Q08209 P63098, ProbeID: 4903−72_
Frequency
raw data
Calcineurin

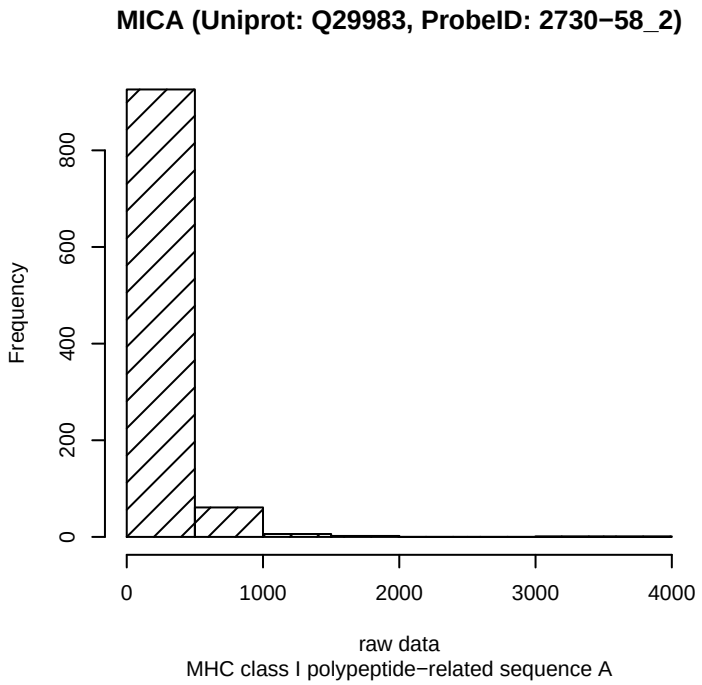

Calcineurin (Uniprot: Q08209 P63098, ProbeID: 4903−72_
raw data
T/T (479)
T/C (418)
C/C (100)
rs17266357 (Chr4:102721809)
Locus 262 top sentinel (CIS), p=1.1e−14

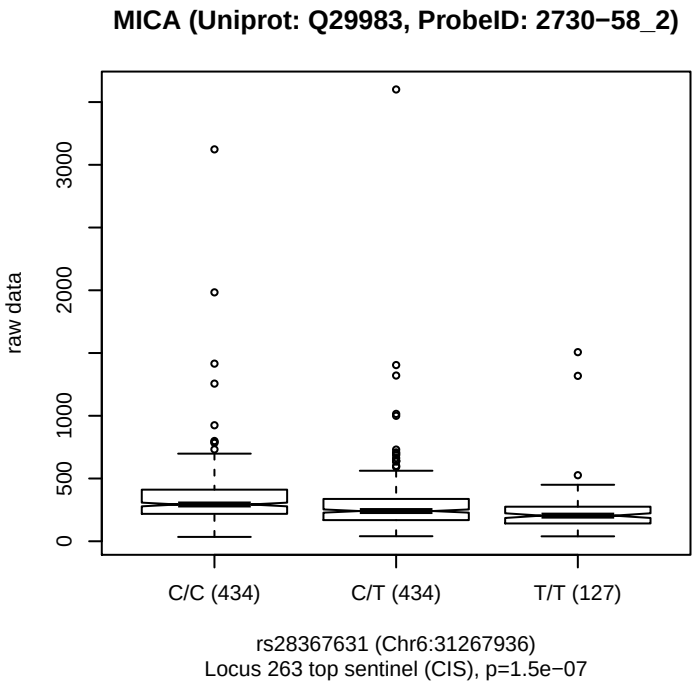

Calcineurin (Uniprot: Q08209 P63098, ProbeID: 4903−72_
Frequency
log2−scaled data
Calcineurin

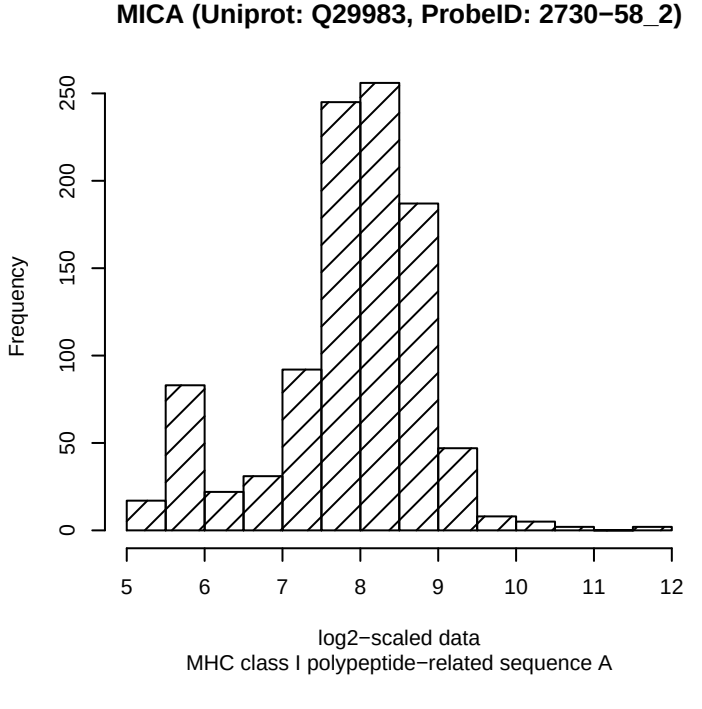

Calcineurin (Uniprot: Q08209 P63098, ProbeID: 4903−72_
log2−scaled data
T/T (479)
T/C (418)
C/C (100)
rs17266357 (Chr4:102721809)
Locus 262 top sentinel (CIS), p=7.6e−14, FC=1.125

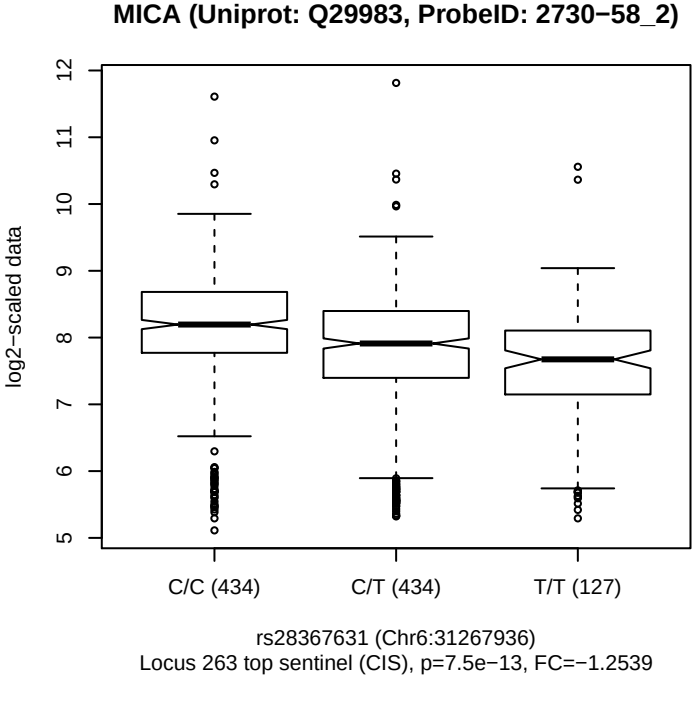

Calcineurin (Uniprot: Q08209 P63098, ProbeID: 4903−72_
Frequency
invnorm data
Calcineurin

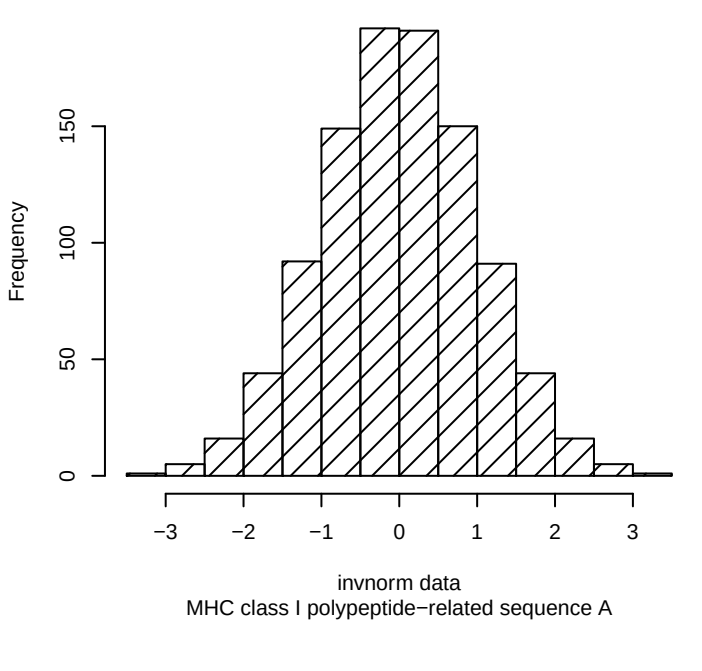

Calcineurin (Uniprot: Q08209 P63098, ProbeID: 4903−72_
invnorm data
T/T (479)
T/C (418)
C/C (100)
rs17266357 (Chr4:102721809)
Locus 262 top sentinel (CIS), p=8.7e−16

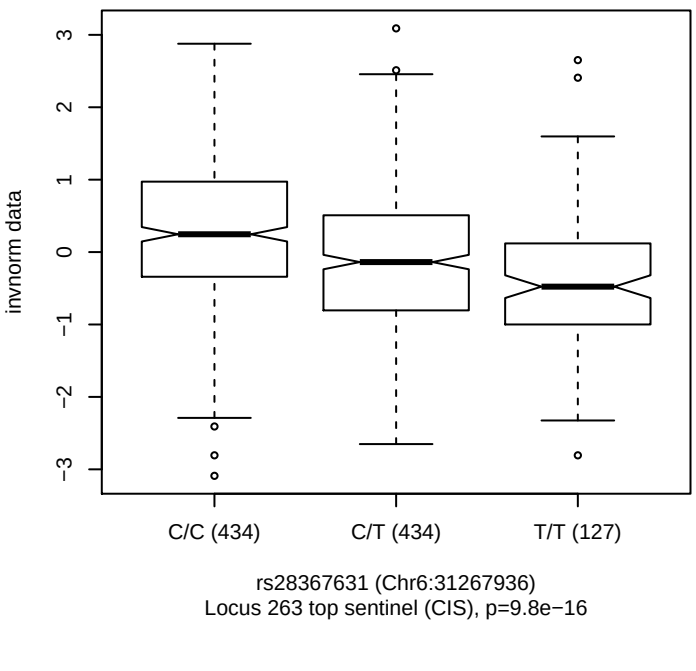

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
200
400
600
800
0
1000
2000
3000
4000
raw data
MHC class I polypeptide−related sequence A

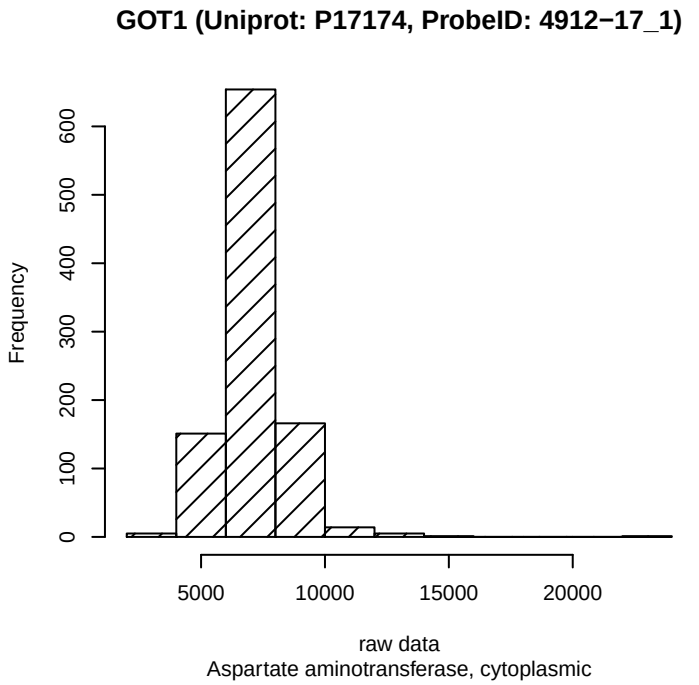

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
raw data
0
500
1000
2000
3000
C/C (434)
C/T (434)
T/T (127)
rs28367631 (Chr6:31267936)
Locus 263 top sentinel (CIS), p=1.5e−07

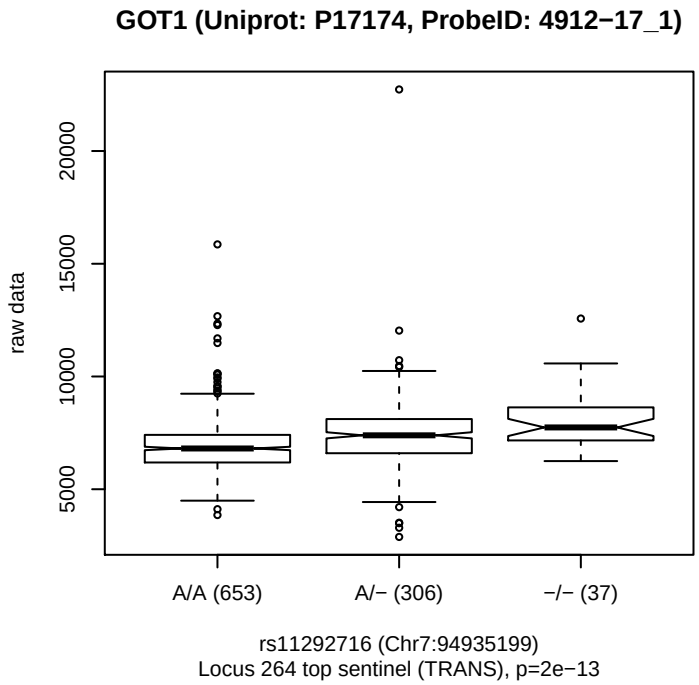

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
200
250
5
6
7
8
9
10
11
12
log2−scaled data
MHC class I polypeptide−related sequence A

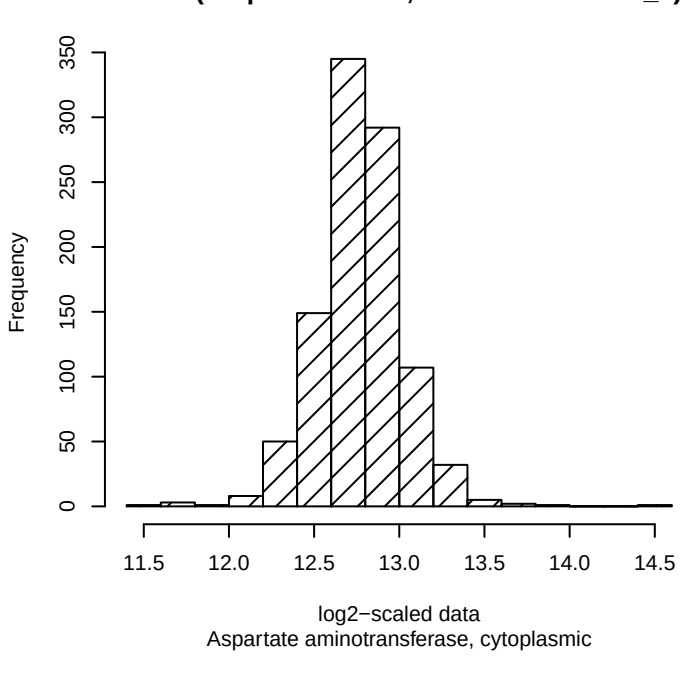

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
log2−scaled data
5
6
7
8
9
10
11
12
C/C (434)
C/T (434)
T/T (127)
rs28367631 (Chr6:31267936)
Locus 263 top sentinel (CIS), p=7.5e−13, FC=−1.2539

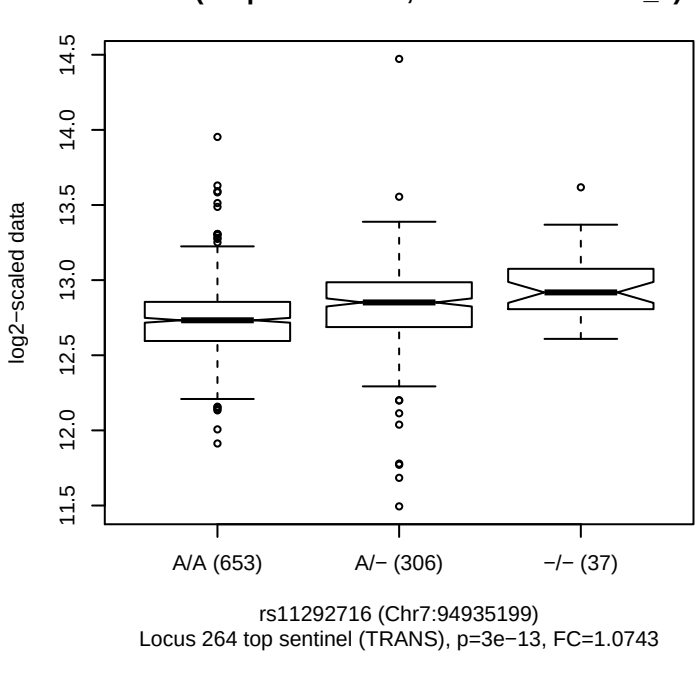

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence A

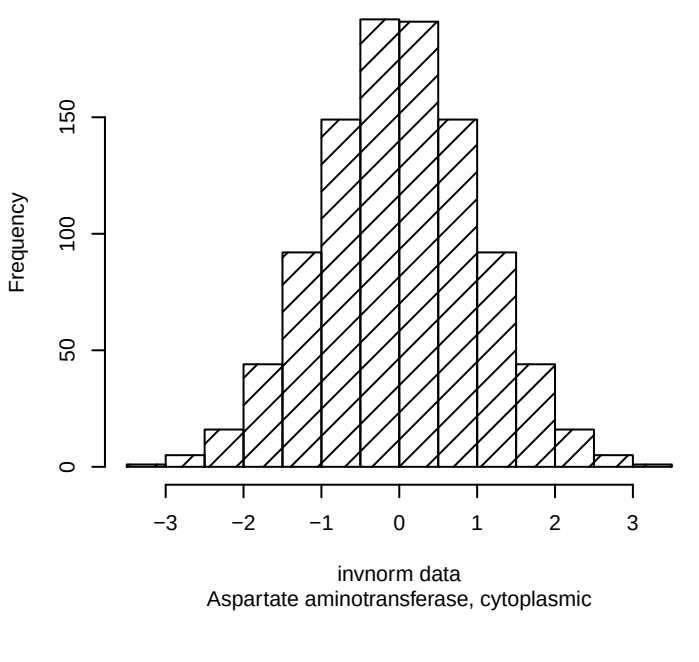

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (434)
C/T (434)
T/T (127)
rs28367631 (Chr6:31267936)
Locus 263 top sentinel (CIS), p=9.8e−16

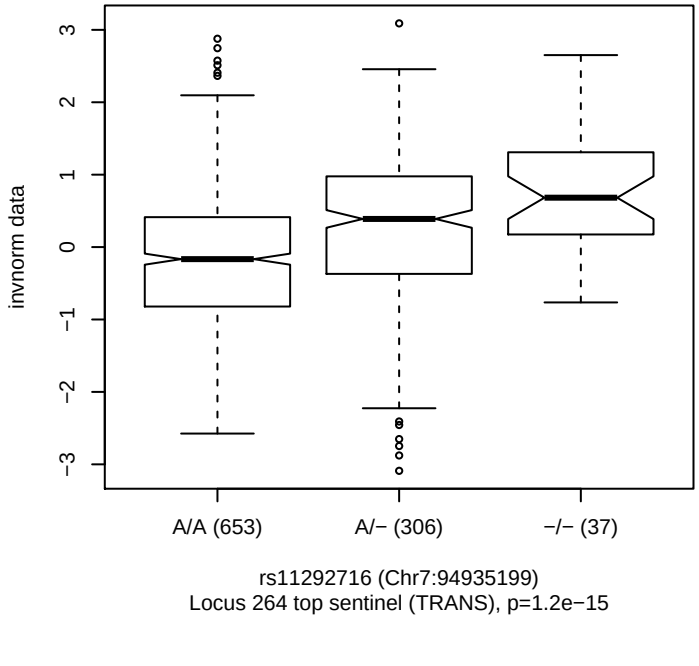

GOT1 (Uniprot: P17174, ProbeID: 4912−17_1)
Frequency
0
100
200
300
400
500
600
5000
10000
15000
20000
raw data
Aspartate aminotransferase, cytoplasmic

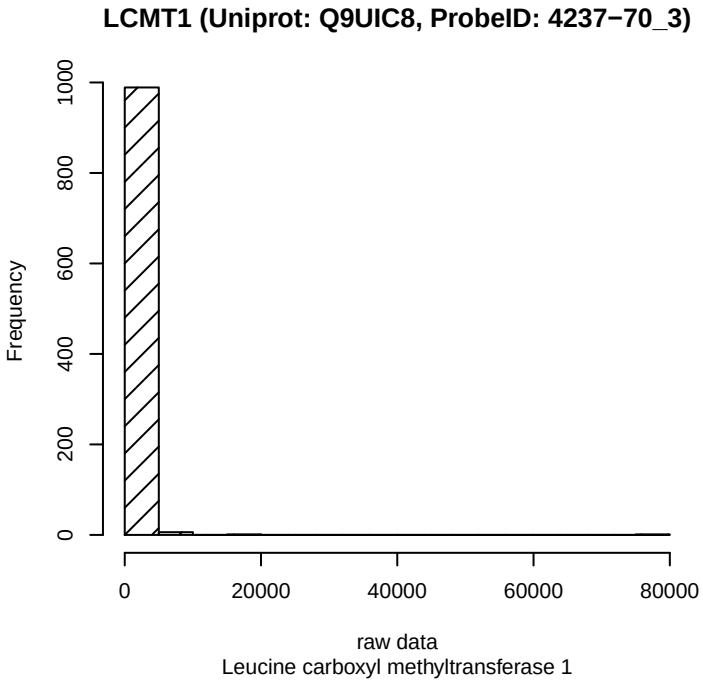

GOT1 (Uniprot: P17174, ProbeID: 4912−17_1)
raw data
5000
10000
15000
20000
A/A (653)
A/− (306)
−/− (37)
rs11292716 (Chr7:94935199)
Locus 264 top sentinel (TRANS), p=2e−13

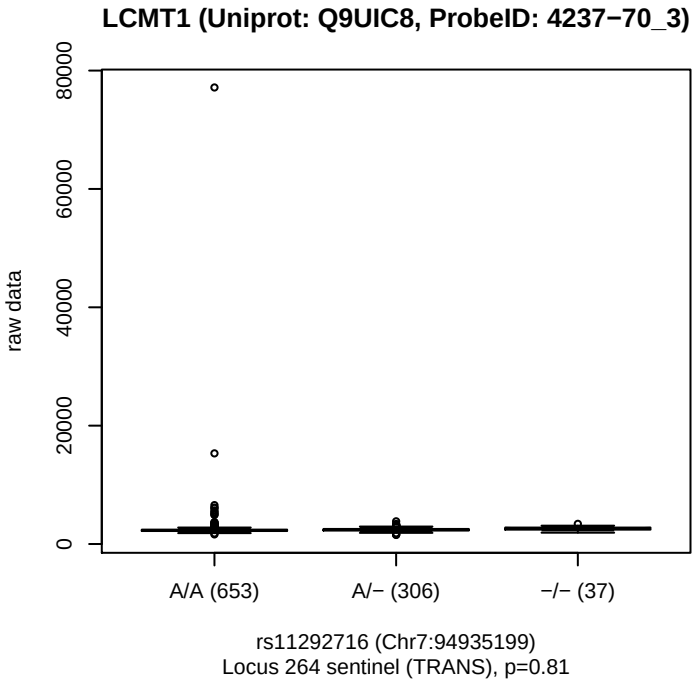

GOT1 (Uniprot: P17174, ProbeID: 4912−17_1)
Frequency
0
50
100
150
200
250
300
350
11.5
12.0
12.5
13.0
13.5
14.0
14.5
log2−scaled data
Aspartate aminotransferase, cytoplasmic

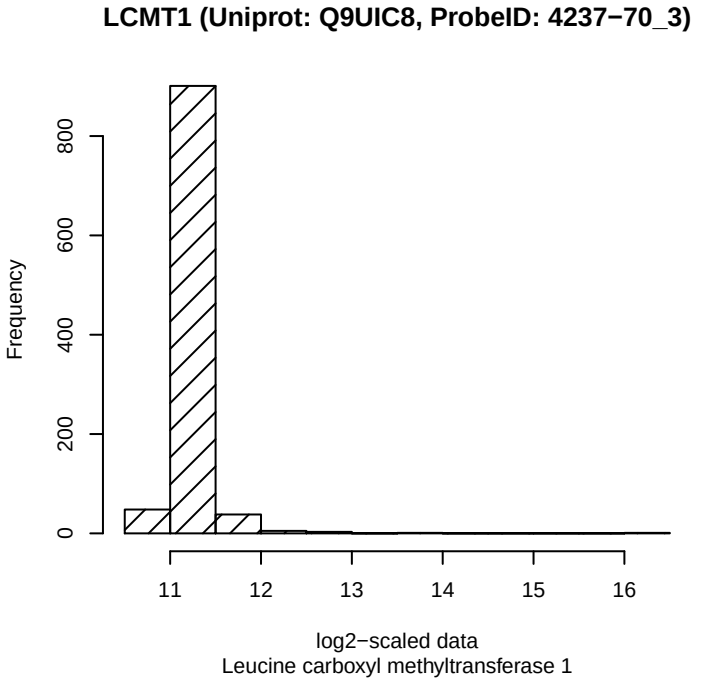

GOT1 (Uniprot: P17174, ProbeID: 4912−17_1)
log2−scaled data
11.5
12.0
12.5
13.0
13.5
14.0
14.5
A/A (653)
A/− (306)
−/− (37)
rs11292716 (Chr7:94935199)
Locus 264 top sentinel (TRANS), p=3e−13, FC=1.0743

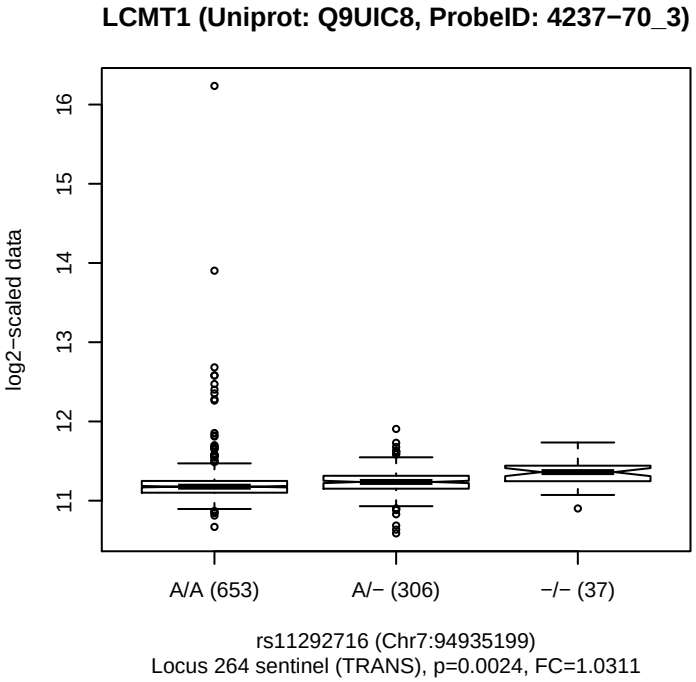

GOT1 (Uniprot: P17174, ProbeID: 4912−17_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Aspartate aminotransferase, cytoplasmic

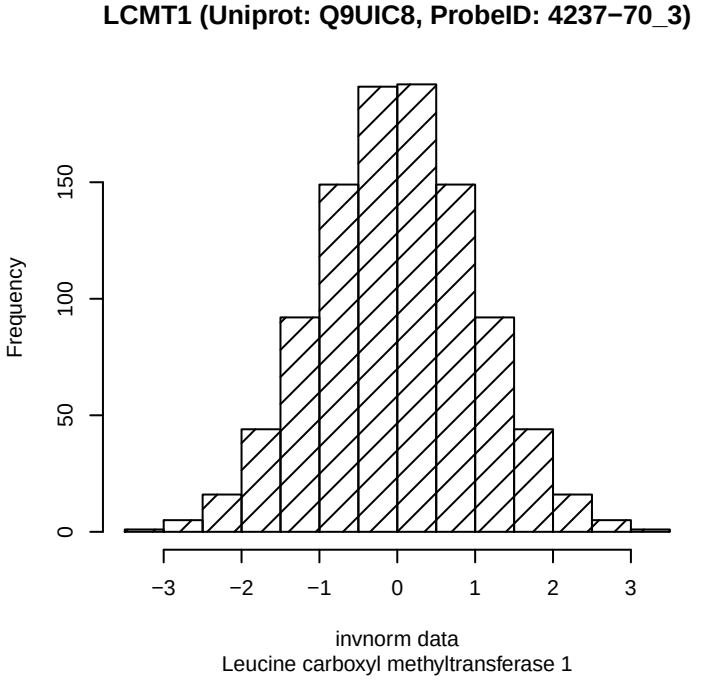

GOT1 (Uniprot: P17174, ProbeID: 4912−17_1)
invnorm data
−3
−2
−1
0
1
2
3
A/A (653)
A/− (306)
−/− (37)
rs11292716 (Chr7:94935199)
Locus 264 top sentinel (TRANS), p=1.2e−15

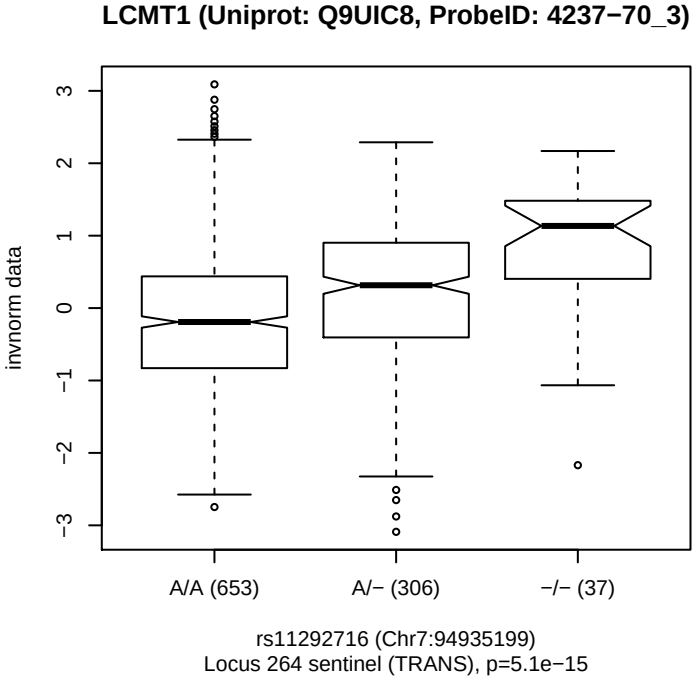

LCMT1 (Uniprot: Q9UIC8, ProbeID: 4237−70_3)
Frequency
0
200
400
600
800
1000
0
20000
40000
60000
80000
raw data
Leucine carboxyl methyltransferase 1


LCMT1 (Uniprot: Q9UIC8, ProbeID: 4237−70_3)
raw data
0
20000
40000
60000
80000
A/A (653)
A/− (306)
−/− (37)
rs11292716 (Chr7:94935199)
Locus 264 sentinel (TRANS), p=0.81

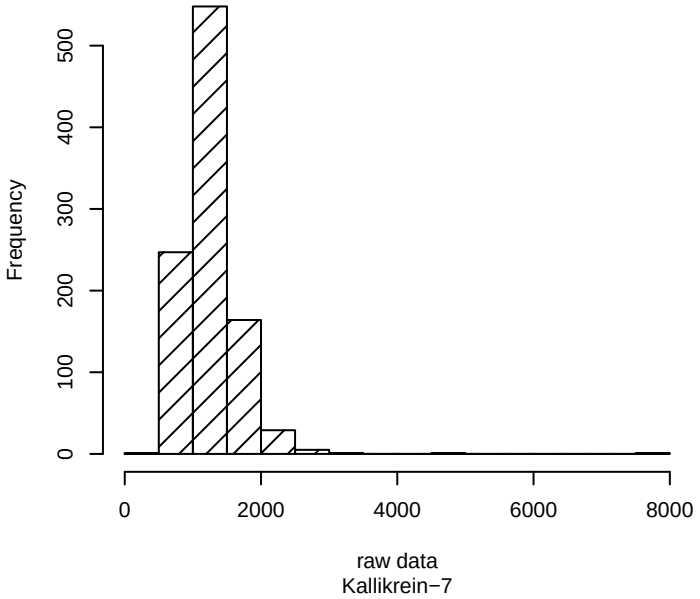

LCMT1 (Uniprot: Q9UIC8, ProbeID: 4237−70_3)
Frequency
0
200
400
600
800
11
12
13
14
15
16
log2−scaled data
Leucine carboxyl methyltransferase 1


LCMT1 (Uniprot: Q9UIC8, ProbeID: 4237−70_3)
log2−scaled data
11
12
13
14
15
16
A/A (653)
A/− (306)
−/− (37)
rs11292716 (Chr7:94935199)
Locus 264 sentinel (TRANS), p=0.0024, FC=1.0311

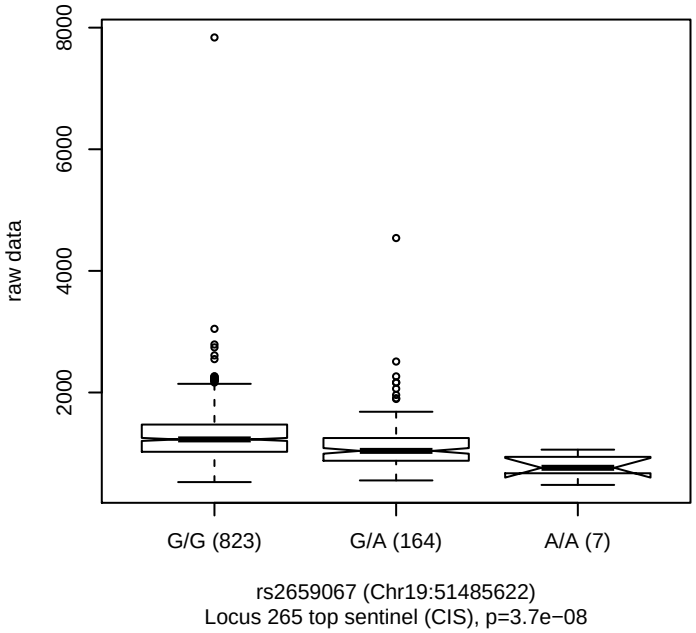

LCMT1 (Uniprot: Q9UIC8, ProbeID: 4237−70_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Leucine carboxyl methyltransferase 1


LCMT1 (Uniprot: Q9UIC8, ProbeID: 4237−70_3)
invnorm data
−3
−2
−1
0
1
2
3
A/A (653)
A/− (306)
−/− (37)
rs11292716 (Chr7:94935199)
Locus 264 sentinel (TRANS), p=5.1e−15

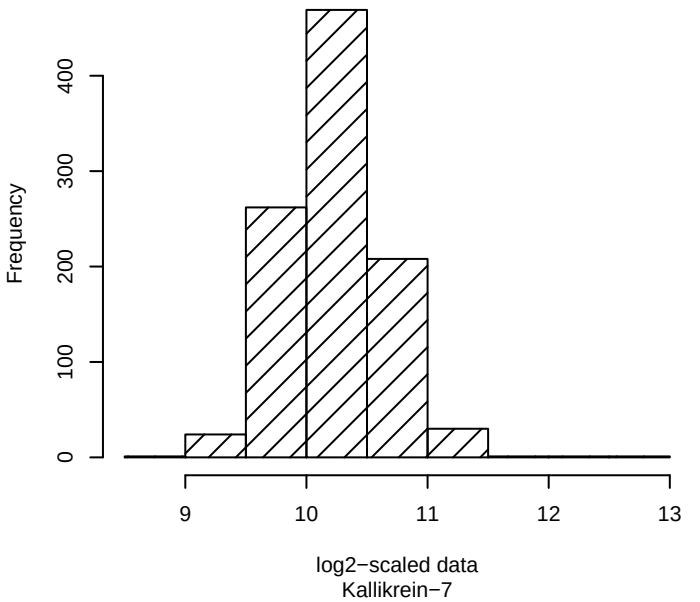
**Kallikrein 7 (Uniprot: P49862, ProbeID: 3378−49_2)**



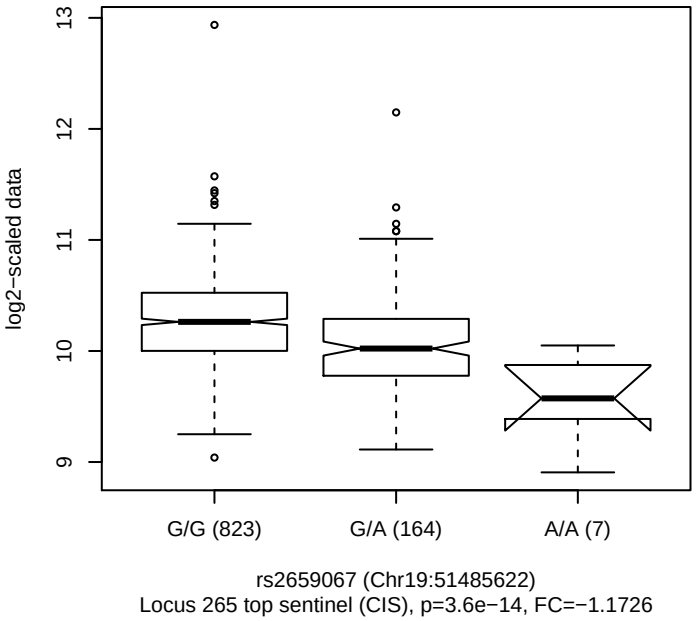

**Kallikrein 7 (Uniprot: P49862, ProbeID: 3378−49_2)**



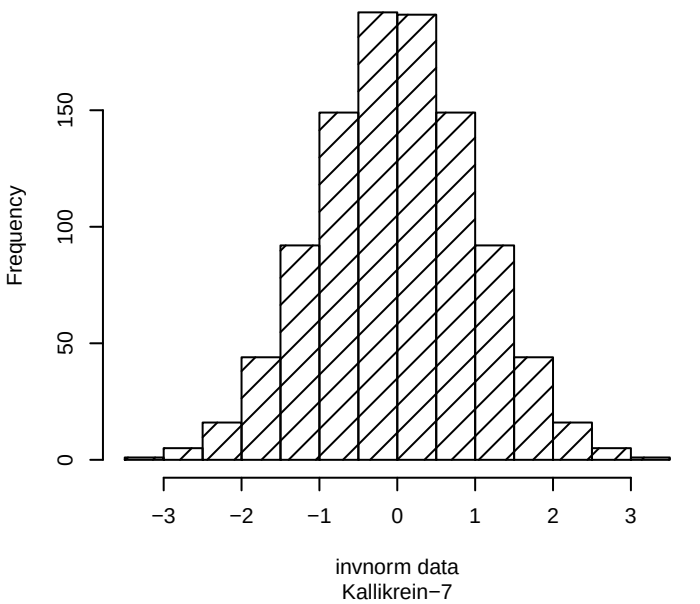

**Kallikrein 7 (Uniprot: P49862, ProbeID: 3378−49_2)**



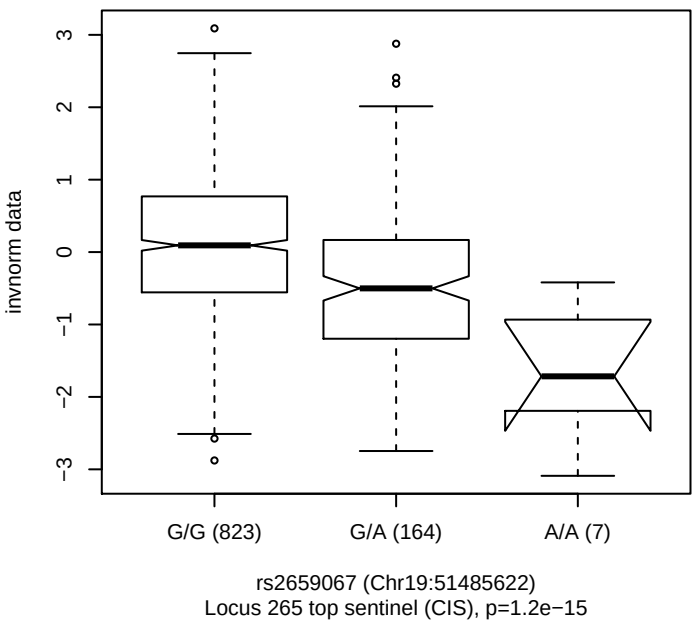

**Kallikrein 7 (Uniprot: P49862, ProbeID: 3378−49_2)**



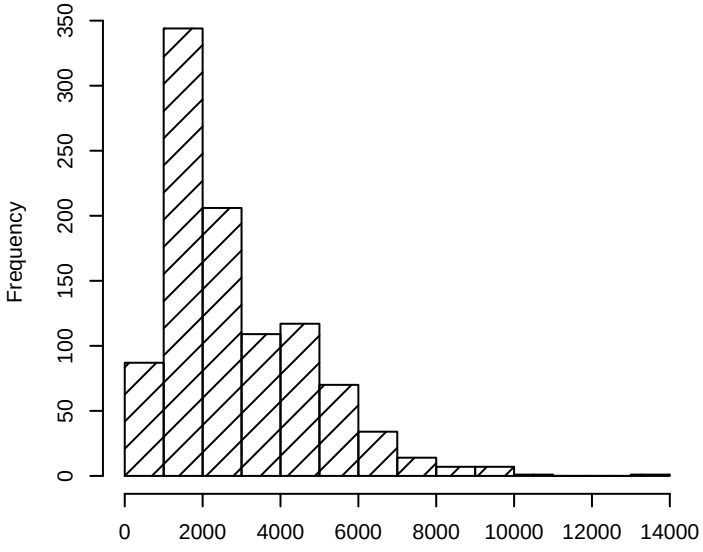

**Kallikrein 7 (Uniprot: P49862, ProbeID: 3378−49_2)**




**Kallikrein 7 (Uniprot: P49862, ProbeID: 3378−49_2)**

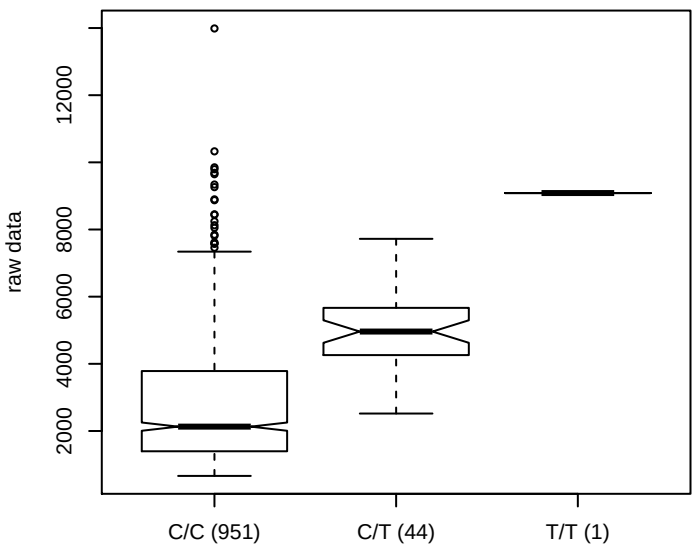


**FCG2A/B (Uniprot: P12318 P31994, ProbeID: 3310−62_1**



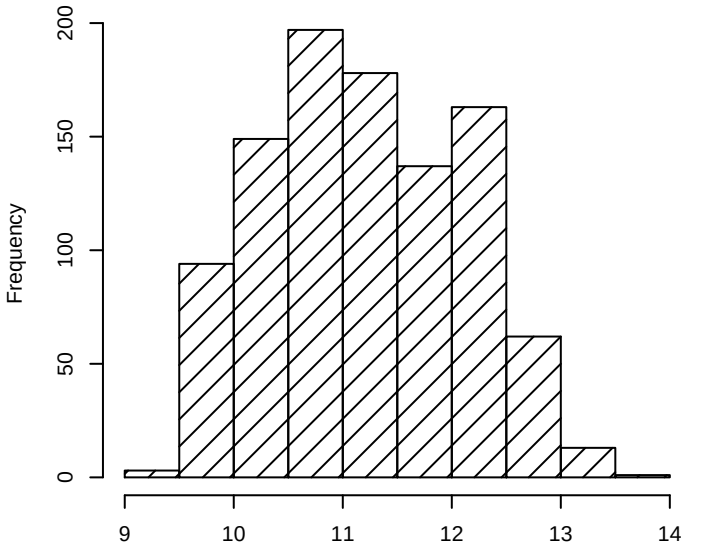

raw data
Low affinity immunoglobulin gamma Fc region receptor II−a/b

**FCG2A/B (Uniprot: P12318 P31994, ProbeID: 3310−62_1**



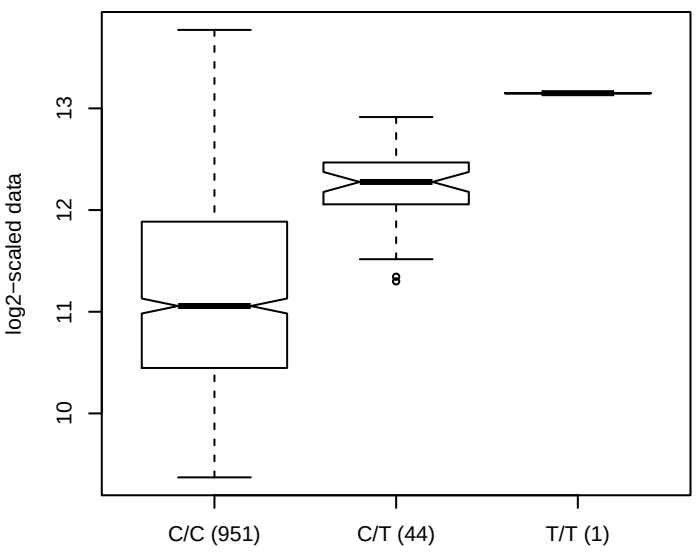

rs34436026 (Chr1:161519440)
Locus 266 top sentinel (CIS), p=2.3e−18

**FCG2A/B (Uniprot: P12318 P31994, ProbeID: 3310−62_1**



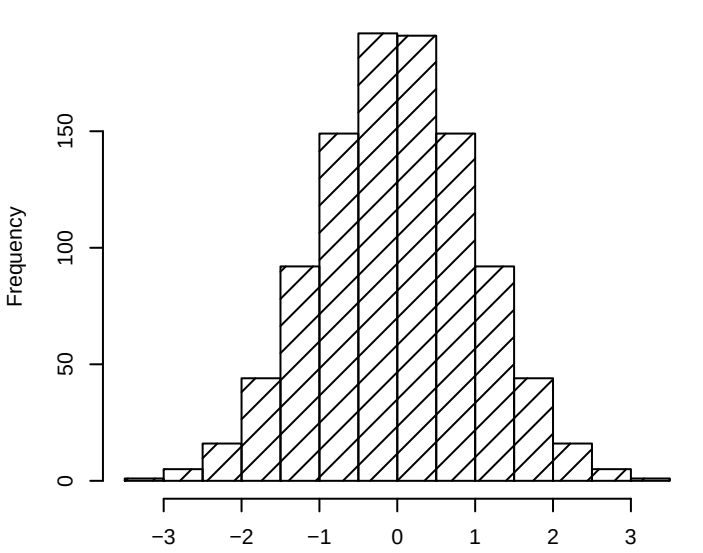

log2−scaled data
Low affinity immunoglobulin gamma Fc region receptor II−a/b

**FCG2A/B (Uniprot: P12318 P31994, ProbeID: 3310−62_1**



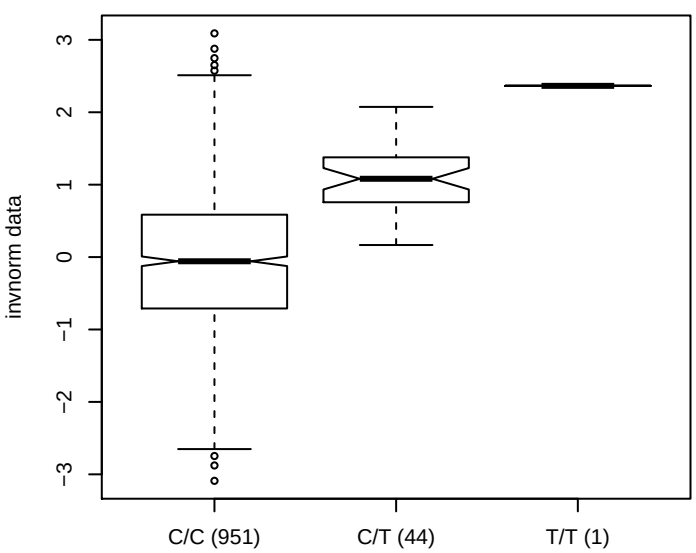

rs34436026 (Chr1:161519440)
Locus 266 top sentinel (CIS), p=8.9e−17, FC=2.1112

**FCG2A/B (Uniprot: P12318 P31994, ProbeID: 3310−62_1**



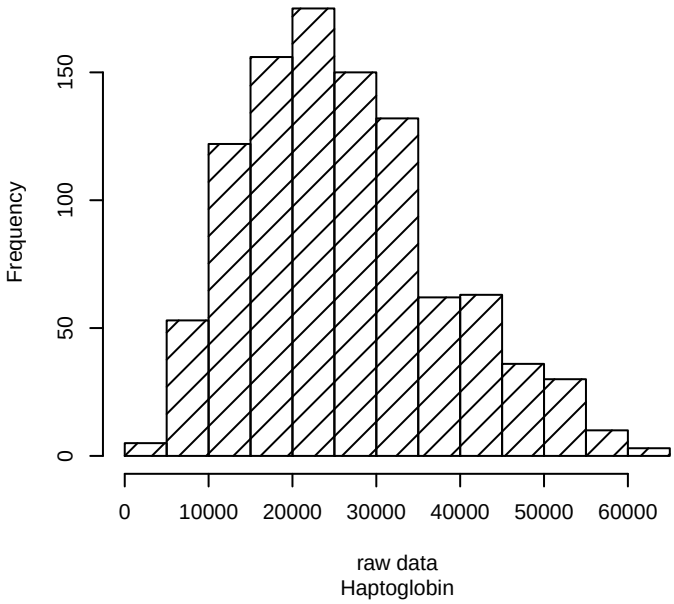

invnorm data
Low affinity immunoglobulin gamma Fc region receptor II−a/b

**FCG2A/B (Uniprot: P12318 P31994, ProbeID: 3310−62_1**

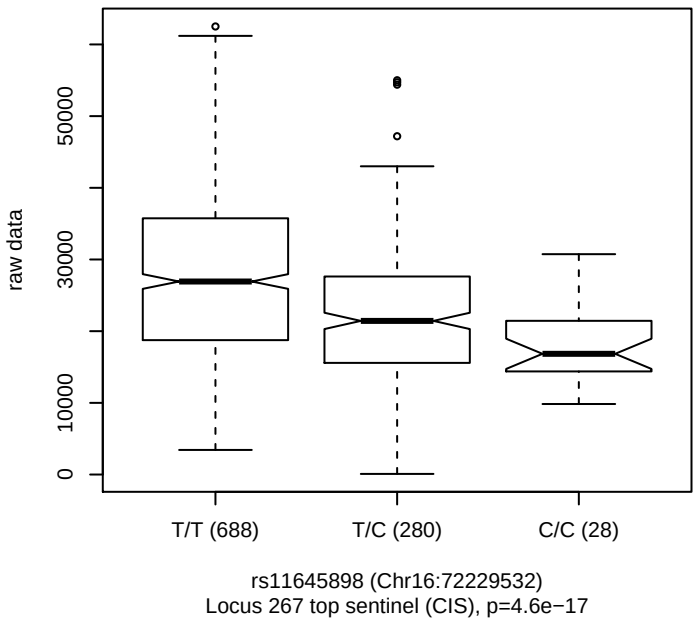



rs34436026 (Chr1:161519440)
Locus 266 top sentinel (CIS), p=1.5e−15

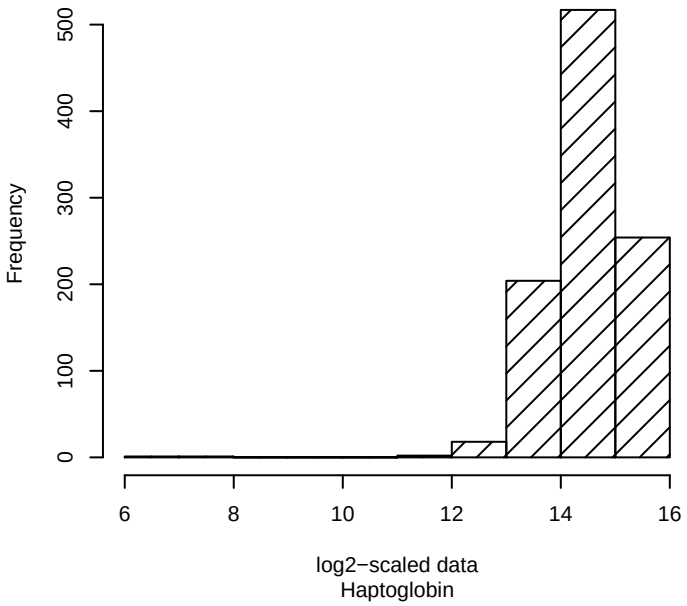
**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−3**



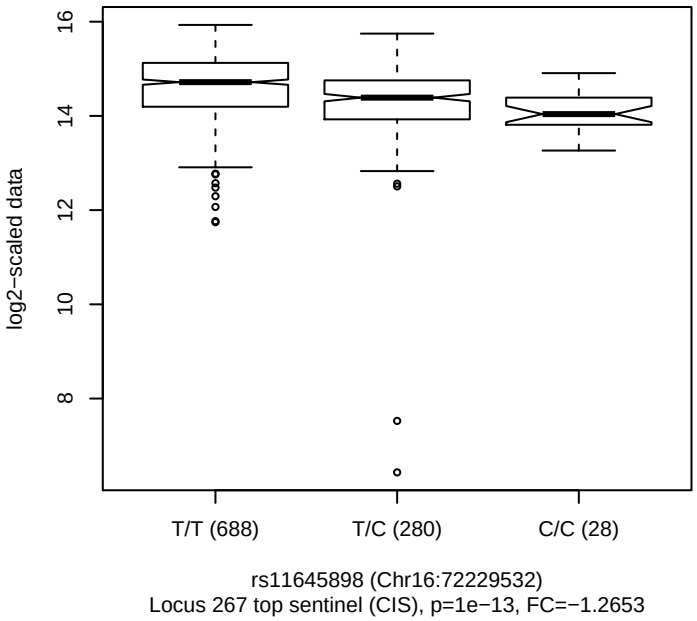

**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−3**



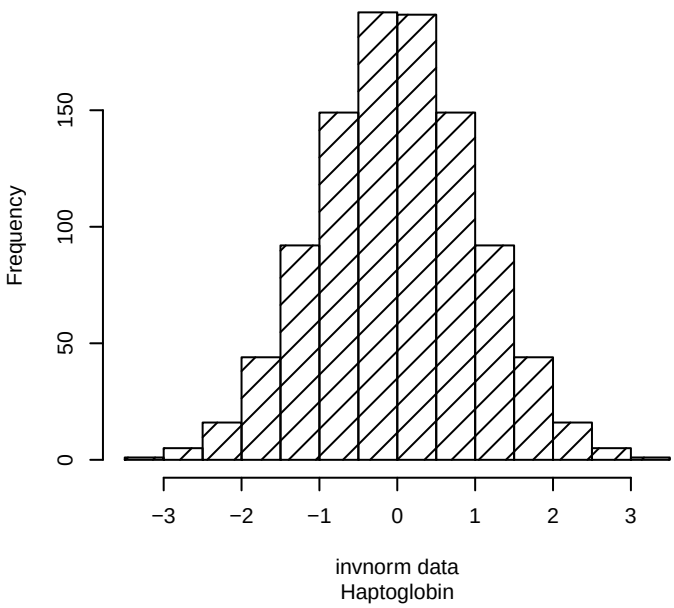

**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−3**



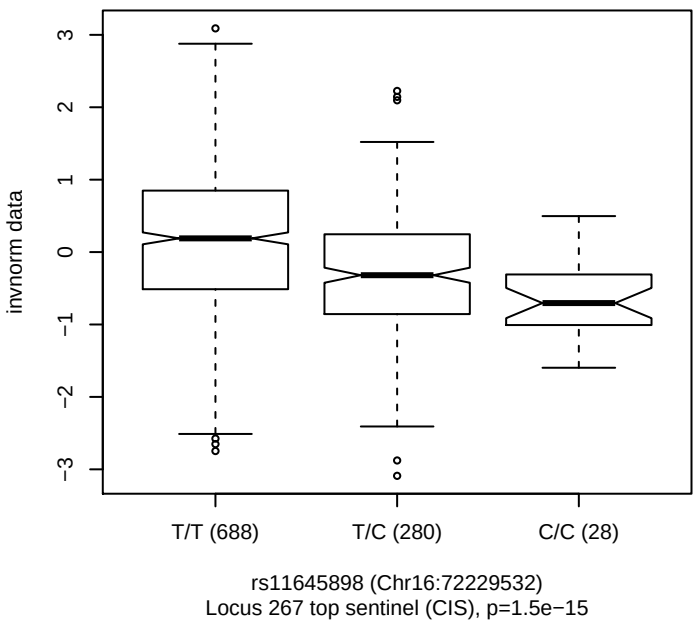

**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−3**



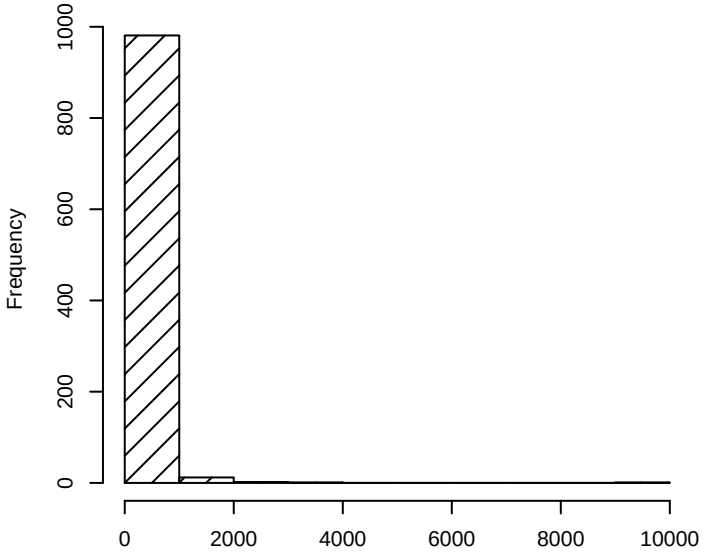

**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−3**




**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−3**

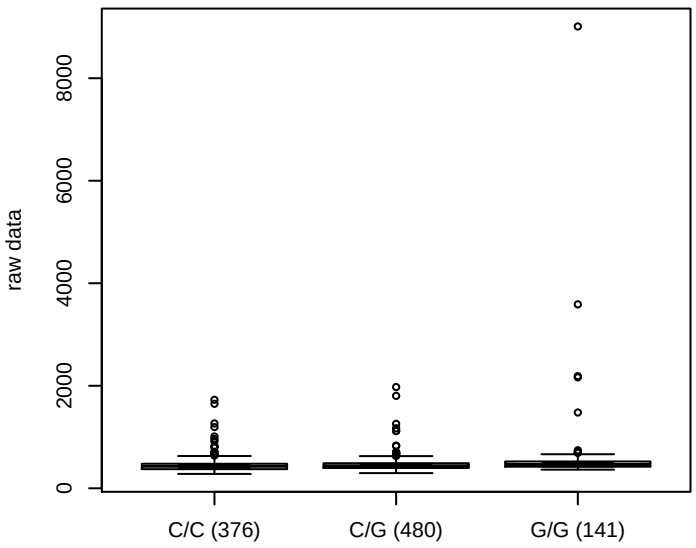


**ADAMTS−5 (Uniprot: Q9UNA0, ProbeID: 3168−8_2)**



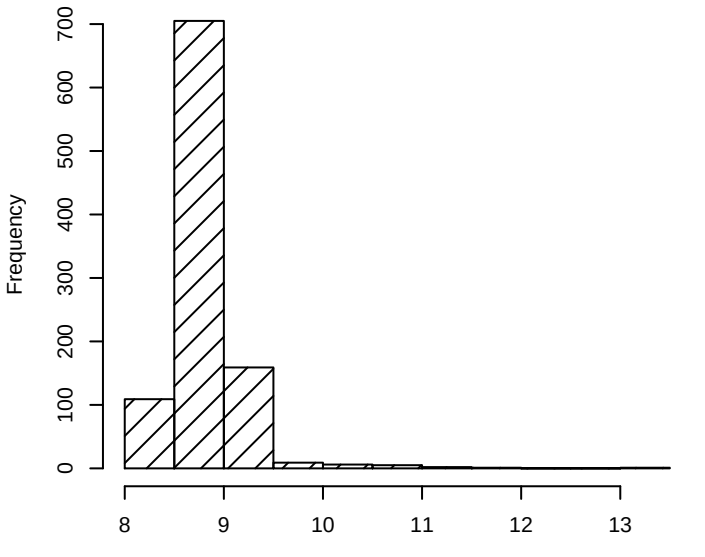

A disintegrin and metalloproteinase with thrombospondin motifs 5

**ADAMTS−5 (Uniprot: Q9UNA0, ProbeID: 3168−8_2)**



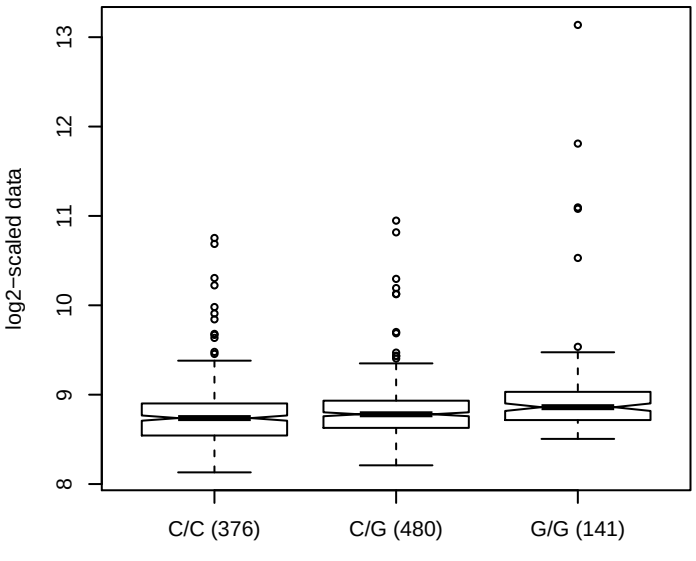

rs990529 (Chr21:28346546)
Locus 268 top sentinel (CIS), p=0.00012

**ADAMTS−5 (Uniprot: Q9UNA0, ProbeID: 3168−8_2)**



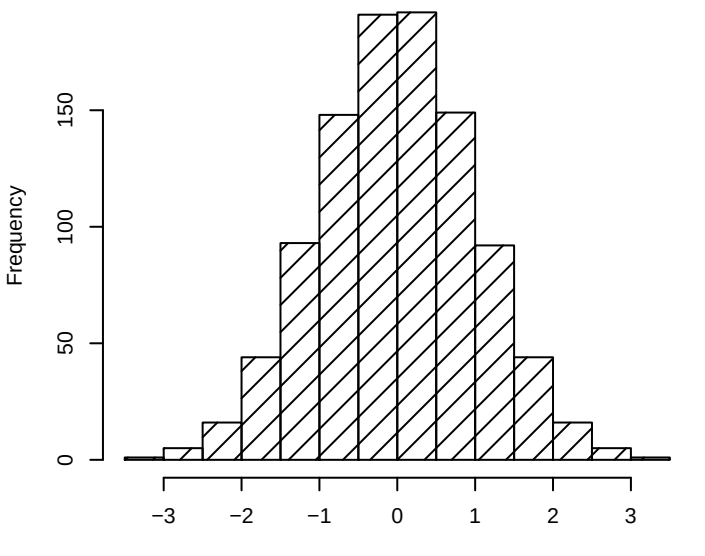

A disintegrin and metalloproteinase with thrombospondin motifs 5

**ADAMTS−5 (Uniprot: Q9UNA0, ProbeID: 3168−8_2)**



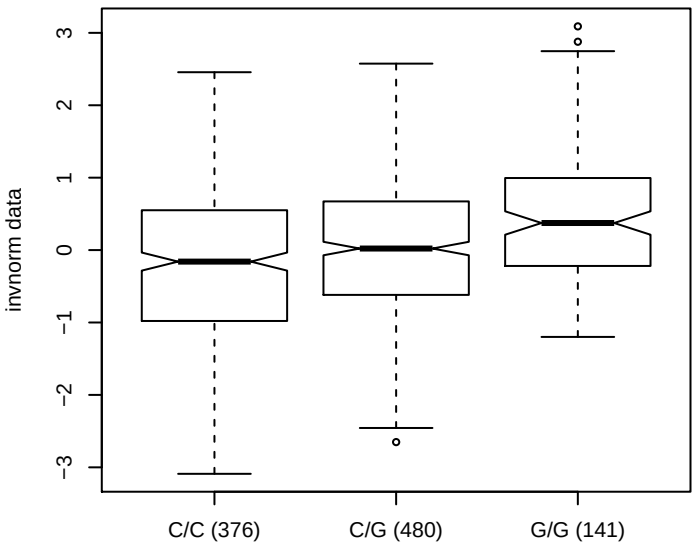

rs990529 (Chr21:28346546)
Locus 268 top sentinel (CIS), p=8.8e−10, FC=1.0707

**ADAMTS−5 (Uniprot: Q9UNA0, ProbeID: 3168−8_2)**

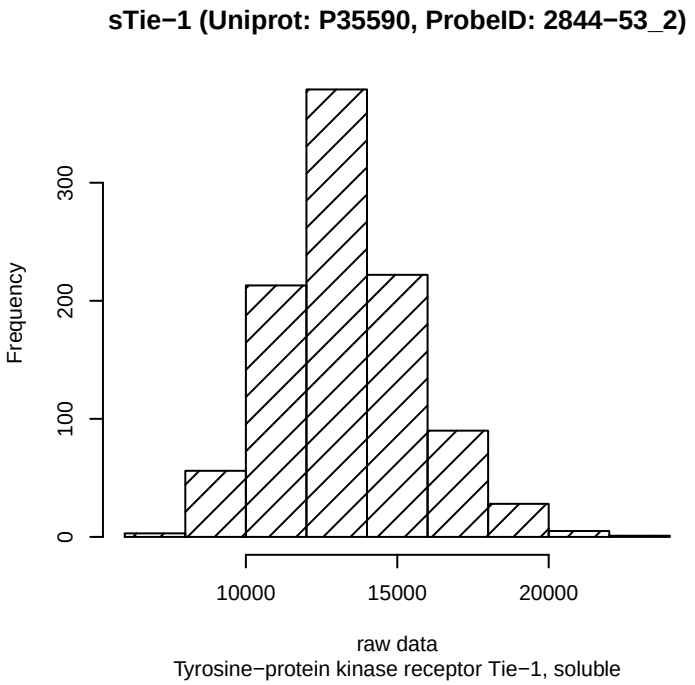


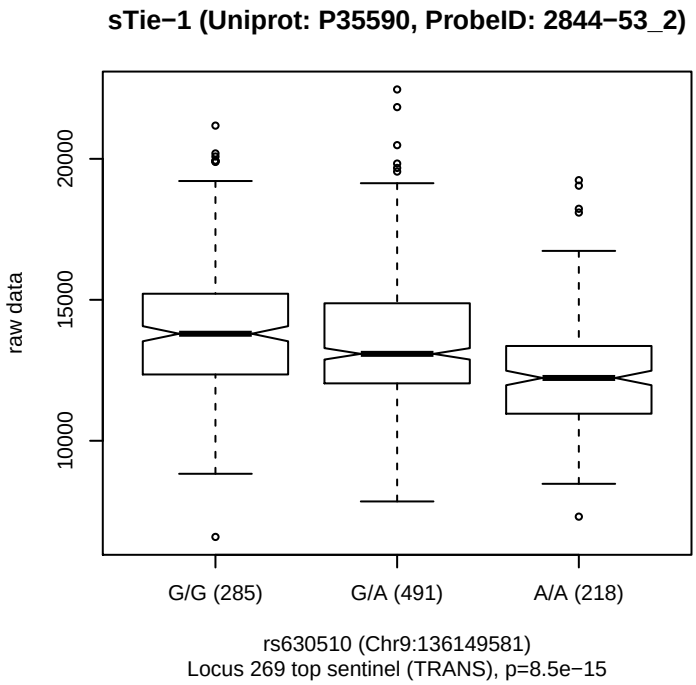

A disintegrin and metalloproteinase with thrombospondin motifs 5

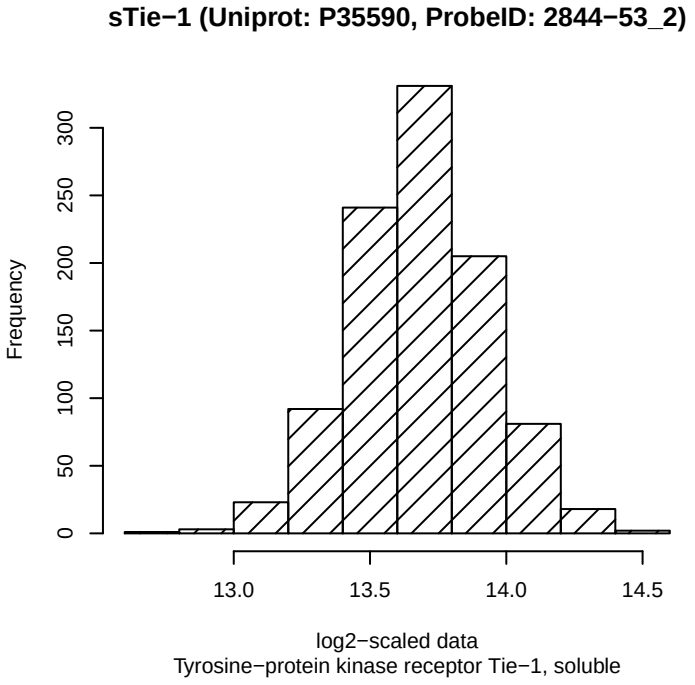
**ADAMTS−5 (Uniprot: Q9UNA0, ProbeID: 3168−8_2)**

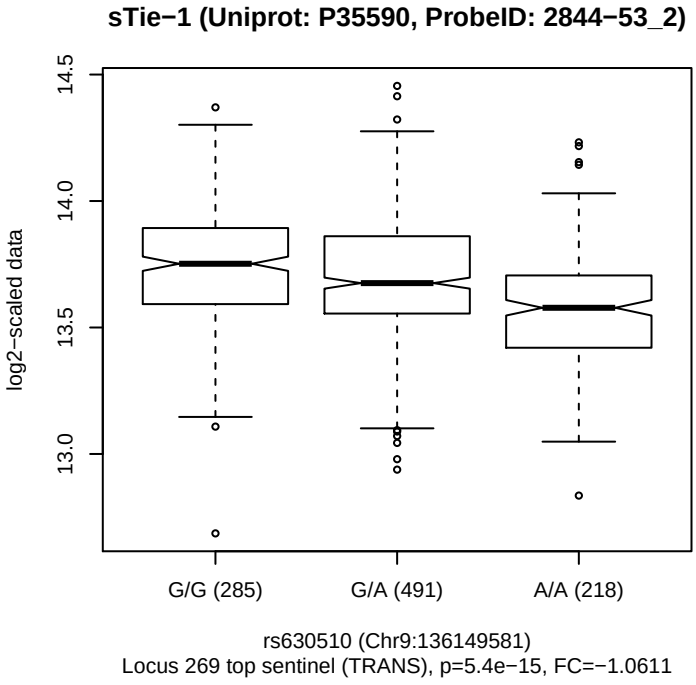


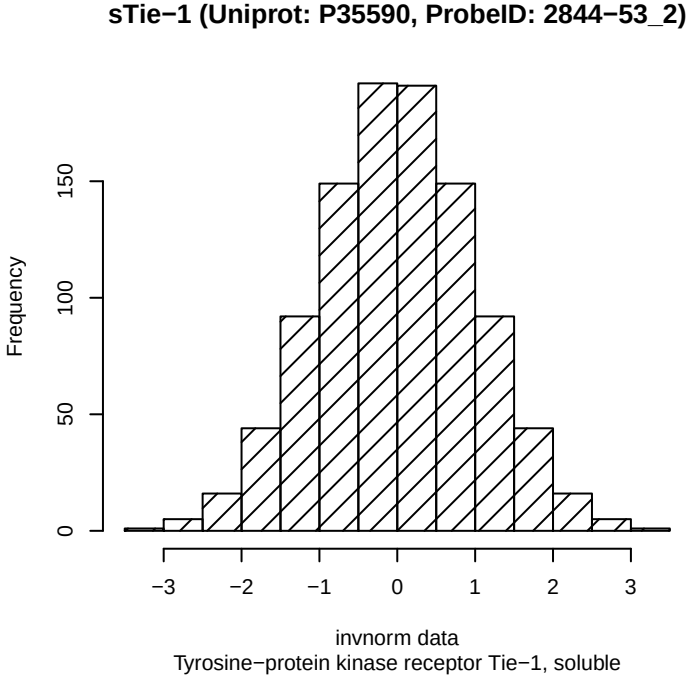

rs990529 (Chr21:28346546)
Locus 268 top sentinel (CIS), p=1.6e−15

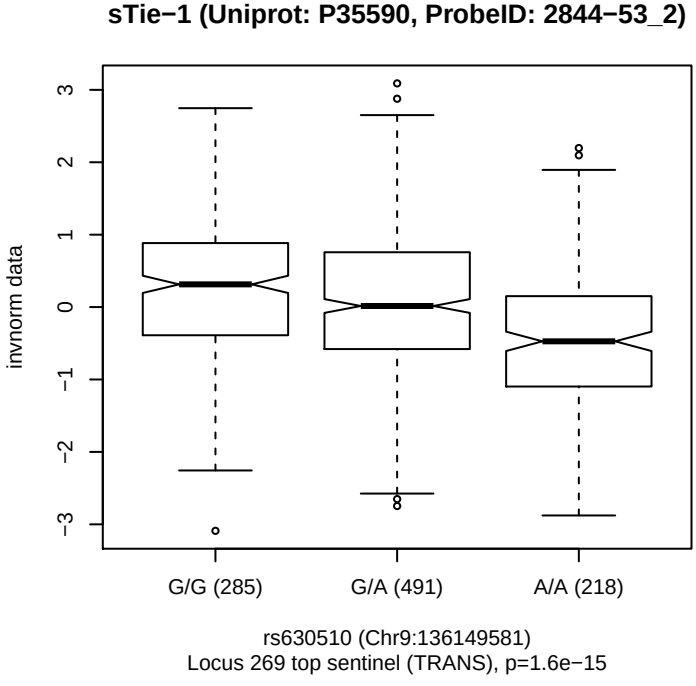

sTie−1 (Uniprot: P35590, ProbeID: 2844−53_2)
Frequency
0
100
200
300
10000
15000
20000
raw data
Tyrosine−protein kinase receptor Tie−1, soluble


sTie−1 (Uniprot: P35590, ProbeID: 2844−53_2)
raw data
10000
15000
20000
G/G (285)
G/A (491)
A/A (218)
rs630510 (Chr9:136149581)
Locus 269 top sentinel (TRANS), p=8.5e−15

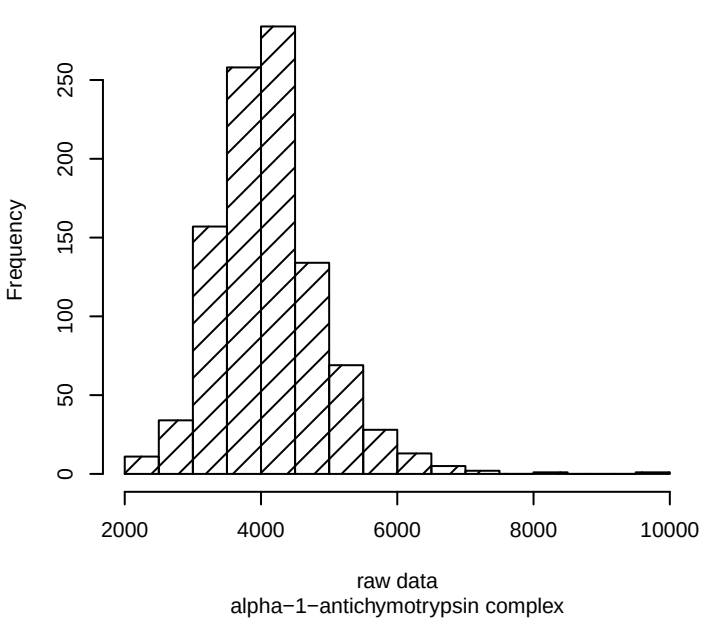

sTie−1 (Uniprot: P35590, ProbeID: 2844−53_2)
Frequency
0
50
100
150
200
250
300
13.0
13.5
14.0
14.5
log2−scaled data
Tyrosine−protein kinase receptor Tie−1, soluble

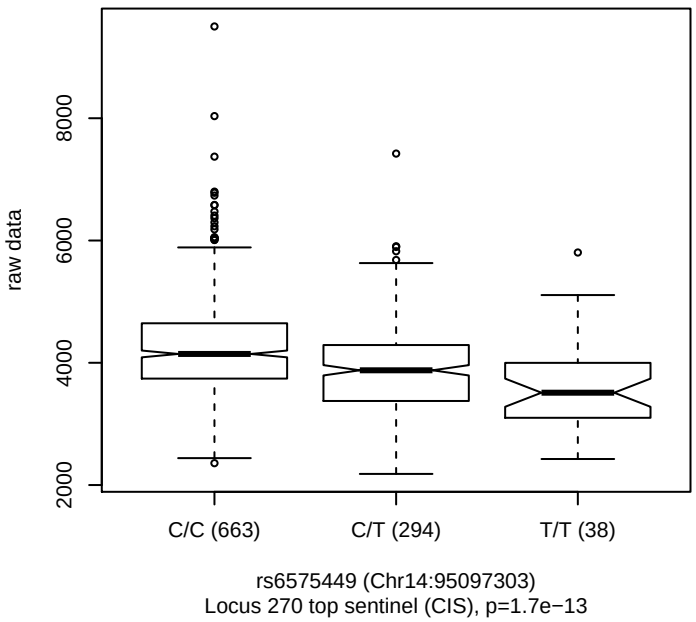

sTie−1 (Uniprot: P35590, ProbeID: 2844−53_2)
log2−scaled data
13.0
13.5
14.0
14.5
G/G (285)
G/A (491)
A/A (218)
rs630510 (Chr9:136149581)
Locus 269 top sentinel (TRANS), p=5.4e−15, FC=−1.0611


sTie−1 (Uniprot: P35590, ProbeID: 2844−53_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Tyrosine−protein kinase receptor Tie−1, soluble

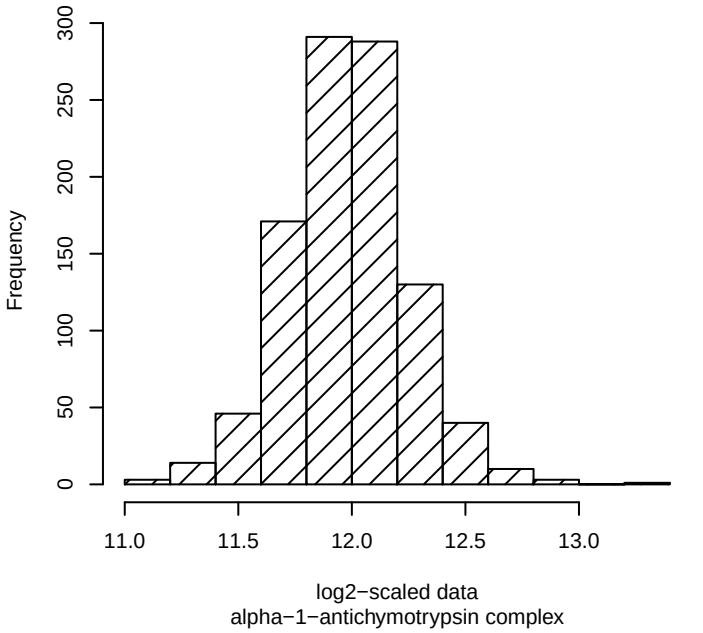

sTie−1 (Uniprot: P35590, ProbeID: 2844−53_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (285)
G/A (491)
A/A (218)
rs630510 (Chr9:136149581)
Locus 269 top sentinel (TRANS), p=1.6e−15

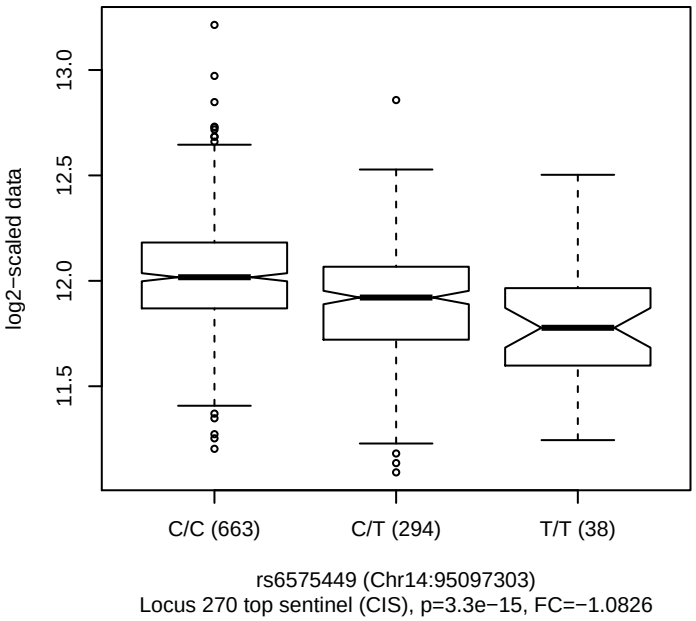
**-1−antichymotrypsin complex (Uniprot: P01011, ProbeID: 4-1−antichymotrypsin complex (Uniprot: P01011, ProbeID: 4**



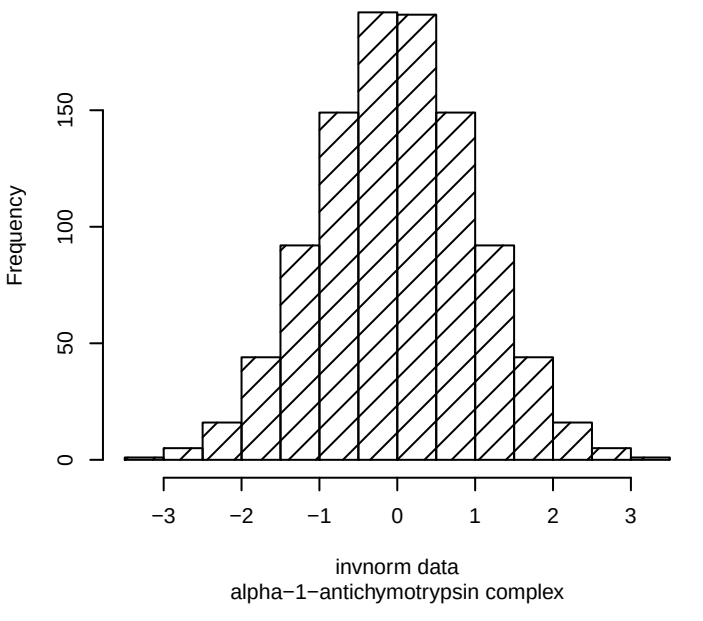



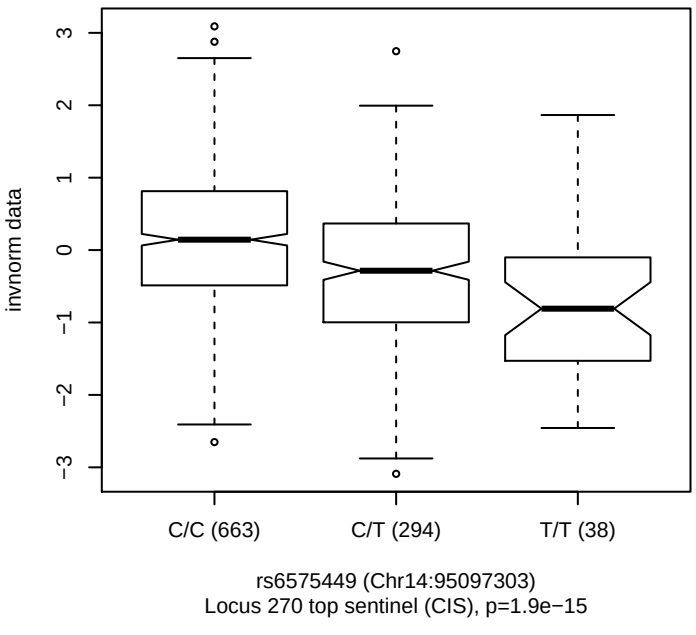

**-1−antichymotrypsin complex (Uniprot: P01011, ProbeID: 4-1−antichymotrypsin complex (Uniprot: P01011, ProbeID: 4**

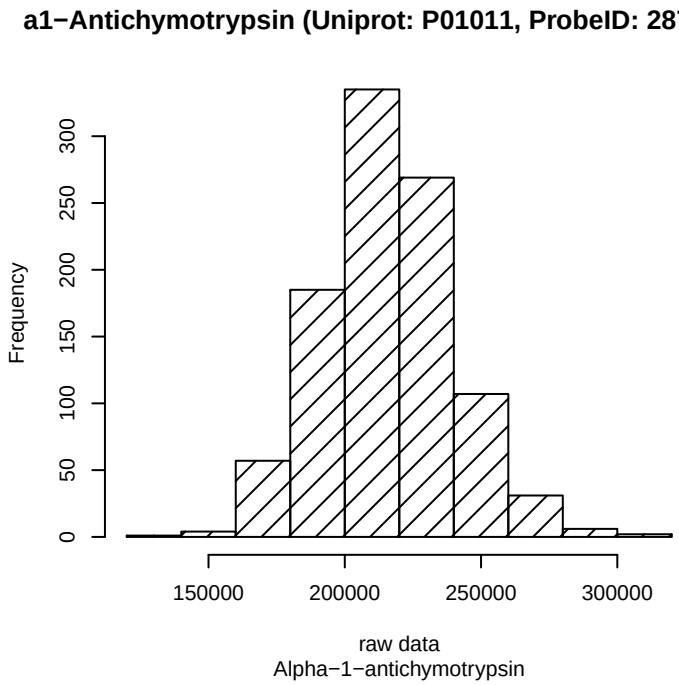


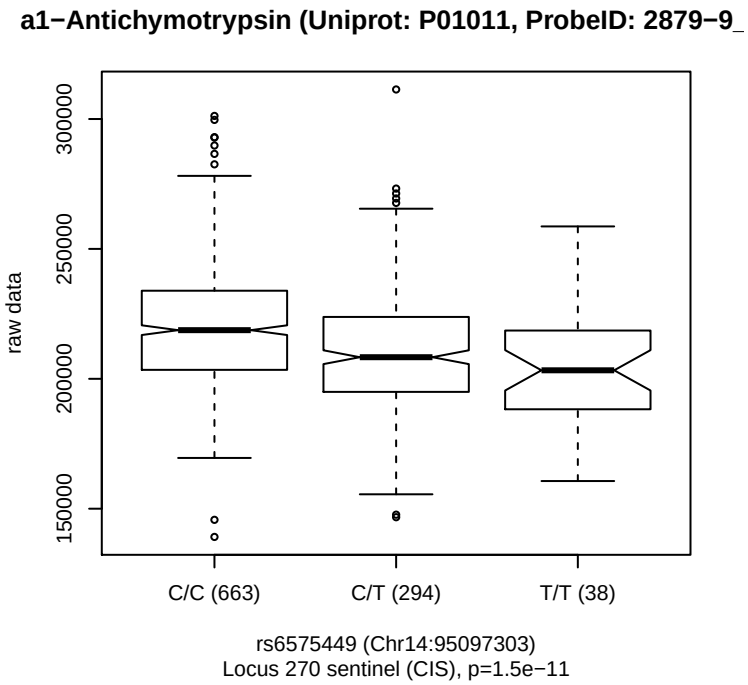



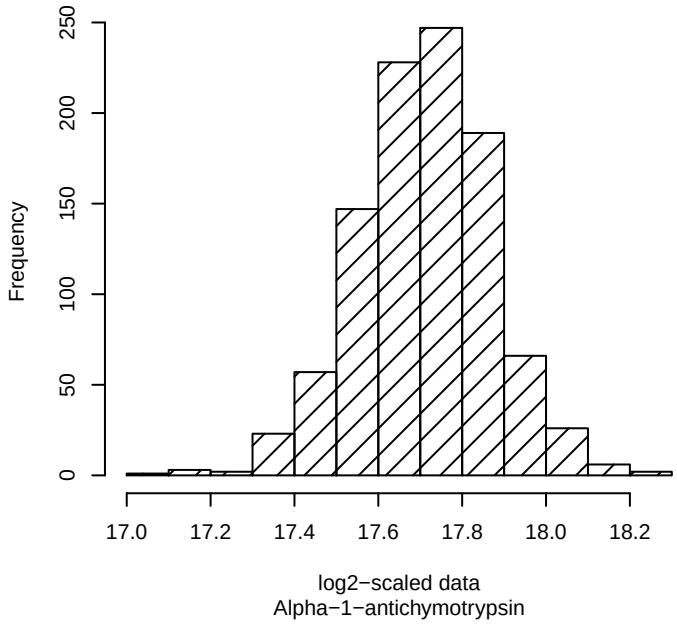

**-1−antichymotrypsin complex (Uniprot: P01011, ProbeID: 4-1−antichymotrypsin complex (Uniprot: P01011, ProbeID: 4**

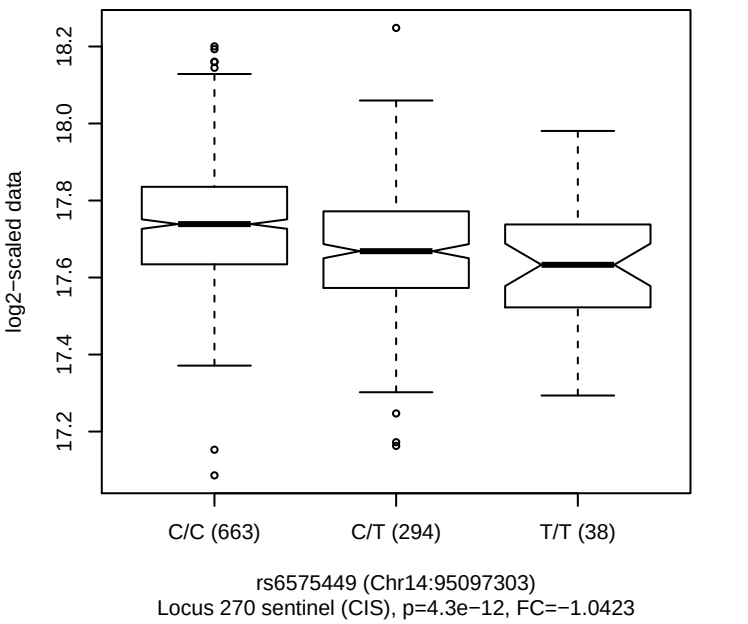


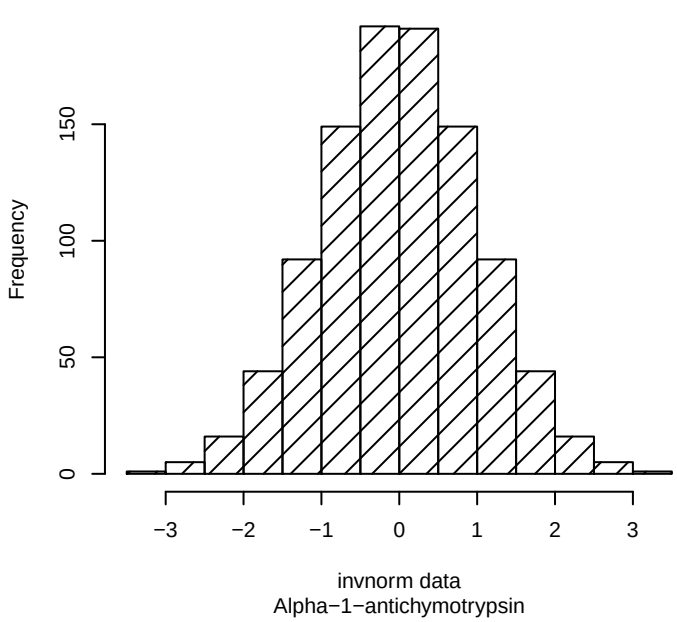



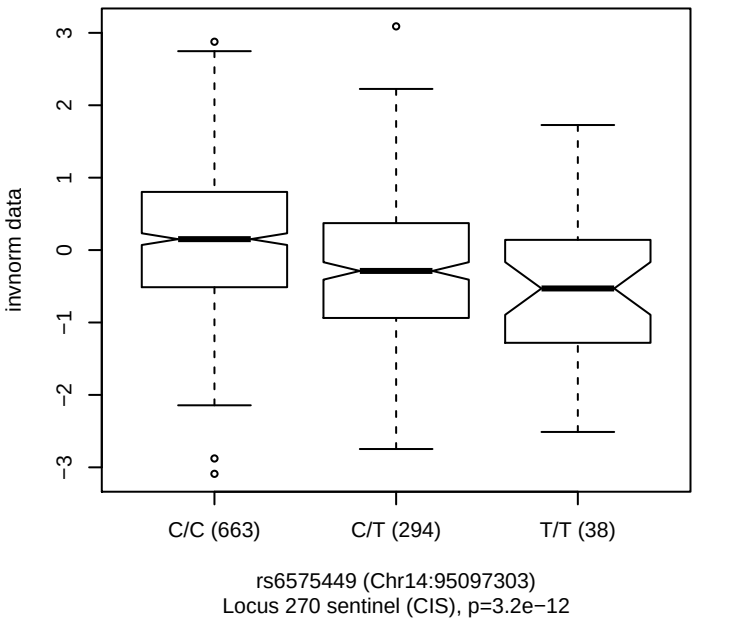

a1−Antichymotrypsin (Uniprot: P01011, ProbeID: 2879−9_
Frequency
0
50
100
150
200
250
300
150000
200000
250000
300000
raw data
Alpha−1−antichymotrypsin

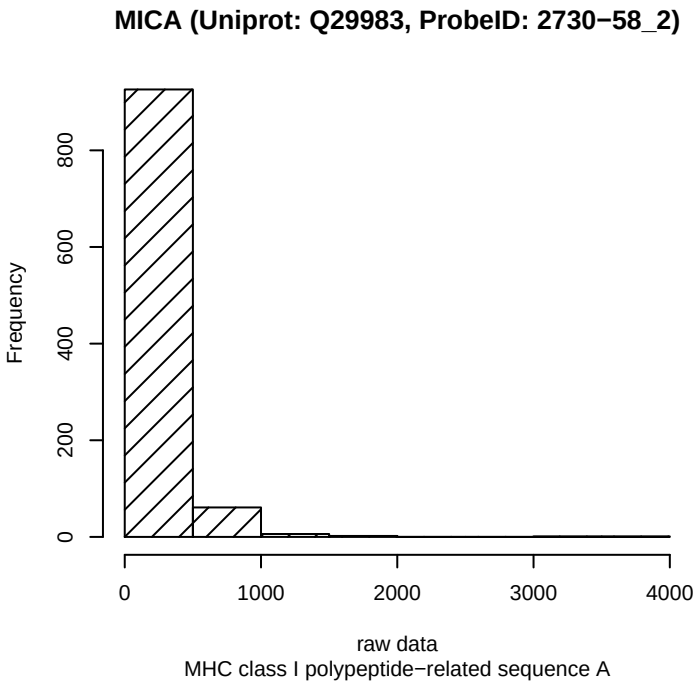

a1−Antichymotrypsin (Uniprot: P01011, ProbeID: 2879−9_
raw data
150000
200000
250000
300000
C/C (663)
C/T (294)
T/T (38)
rs6575449 (Chr14:95097303)
Locus 270 sentinel (CIS), p=1.5e−11

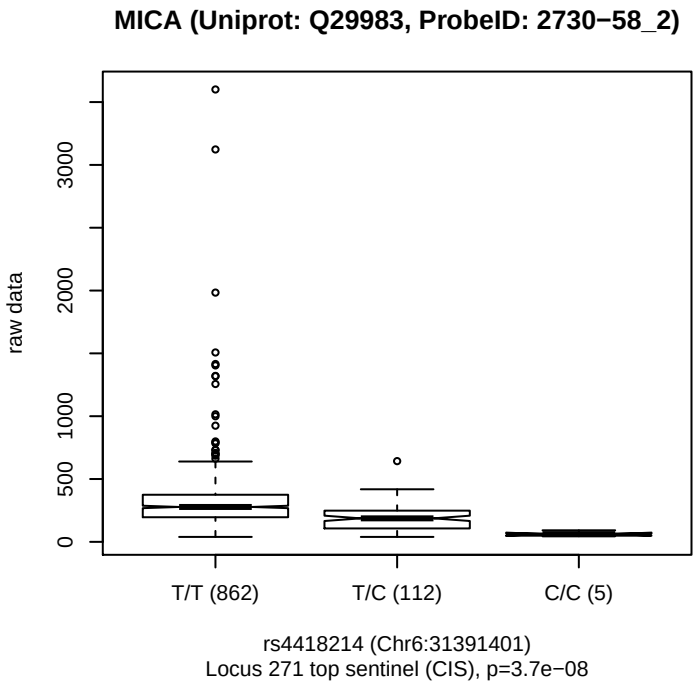

a1−Antichymotrypsin (Uniprot: P01011, ProbeID: 2879−9_
Frequency
0
50
100
150
200
250
17.0
17.2
17.4
17.6
17.8
18.0
18.2
log2−scaled data
Alpha−1−antichymotrypsin

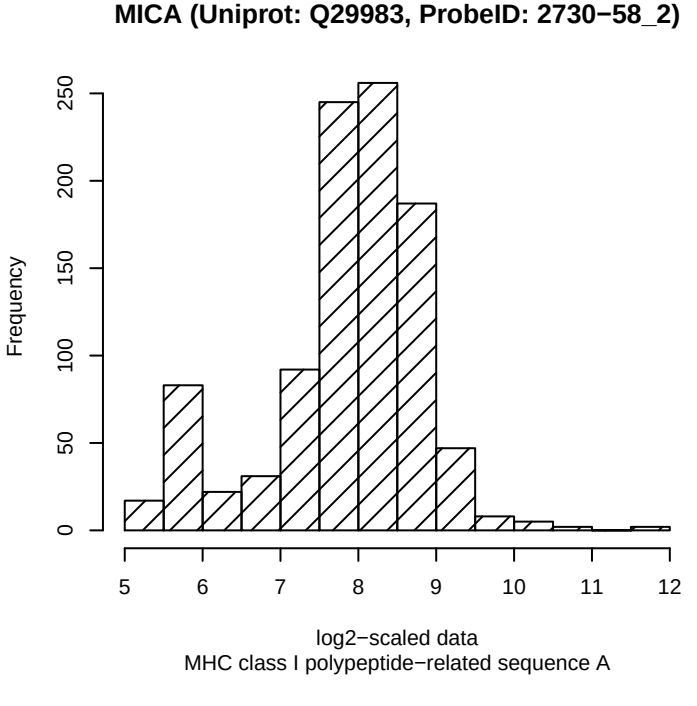

a1−Antichymotrypsin (Uniprot: P01011, ProbeID: 2879−9_
log2−scaled data
17.2
17.4
17.6
17.8
18.0
18.2
C/C (663)
C/T (294)
T/T (38)
rs6575449 (Chr14:95097303)
Locus 270 sentinel (CIS), p=4.3e−12, FC=−1.0423

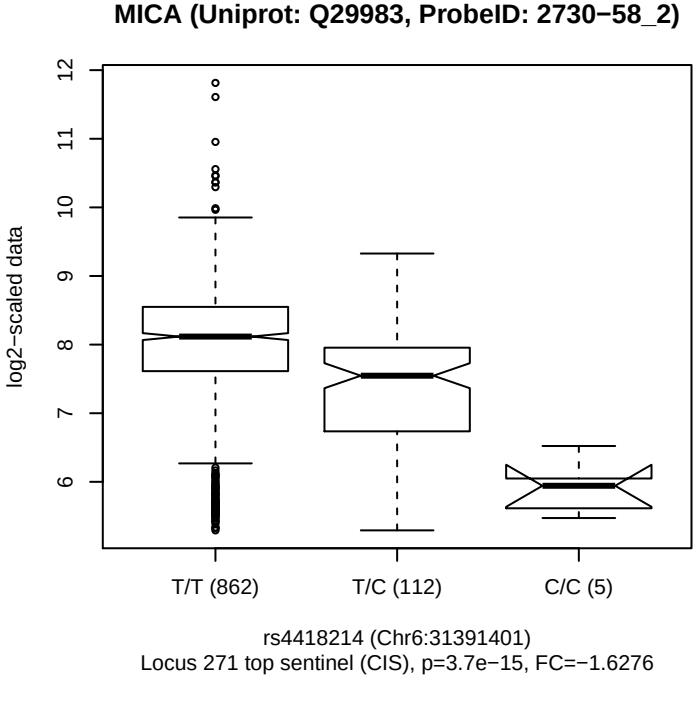

a1−Antichymotrypsin (Uniprot: P01011, ProbeID: 2879−9_
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Alpha−1−antichymotrypsin

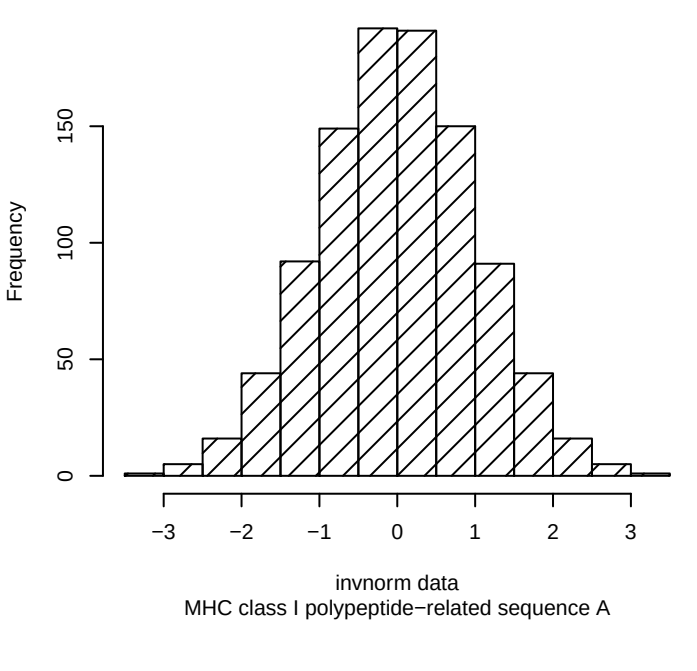

a1−Antichymotrypsin (Uniprot: P01011, ProbeID: 2879−9_
invnorm data
−3
−2
−1
0
1
2
3
C/C (663)
C/T (294)
T/T (38)
rs6575449 (Chr14:95097303)
Locus 270 sentinel (CIS), p=3.2e−12

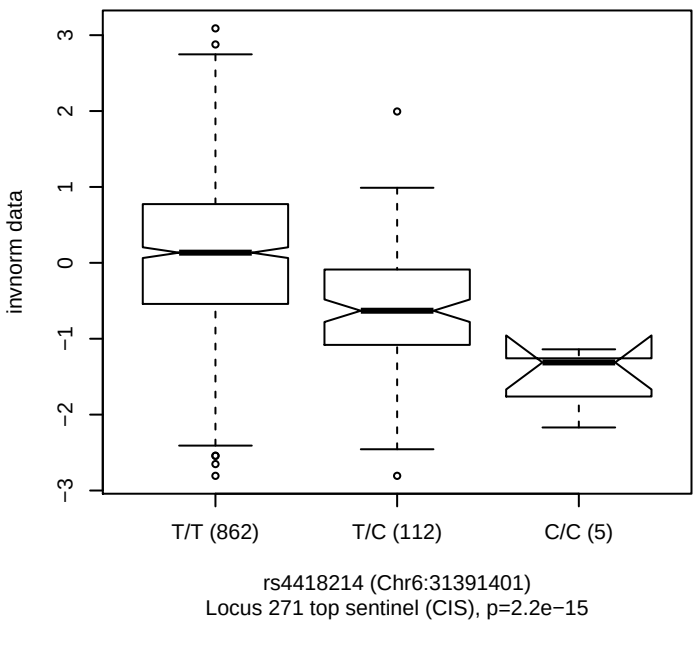

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
200
400
600
800
0
1000
2000
3000
4000
raw data
MHC class I polypeptide−related sequence A

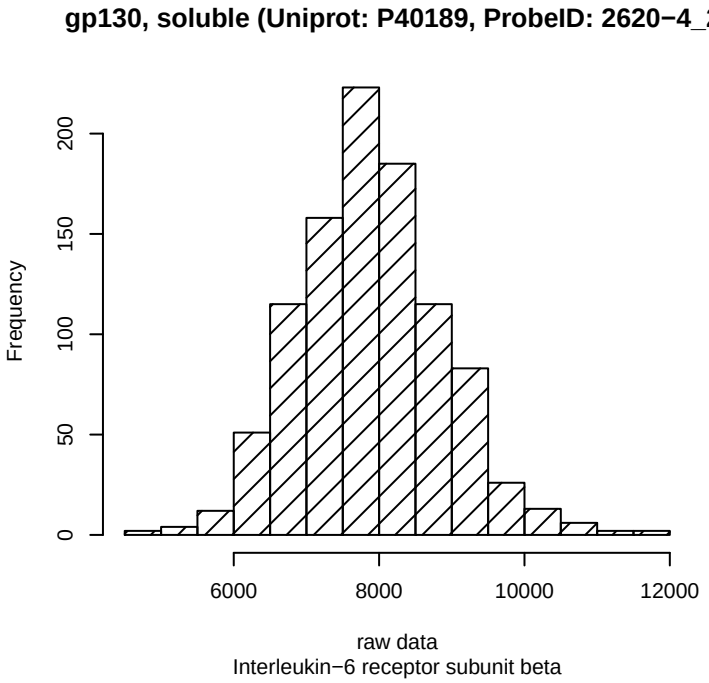

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
raw data
0
500
1000
2000
3000
T/T (862)
T/C (112)
C/C (5)
rs4418214 (Chr6:31391401)
Locus 271 top sentinel (CIS), p=3.7e−08

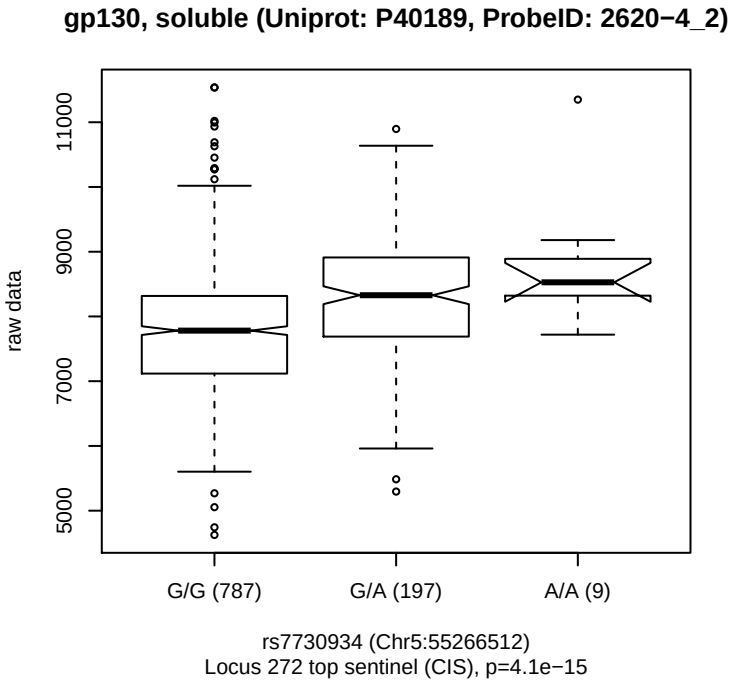

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
200
250
5
6
7
8
9
10
11
12
log2−scaled data
MHC class I polypeptide−related sequence A

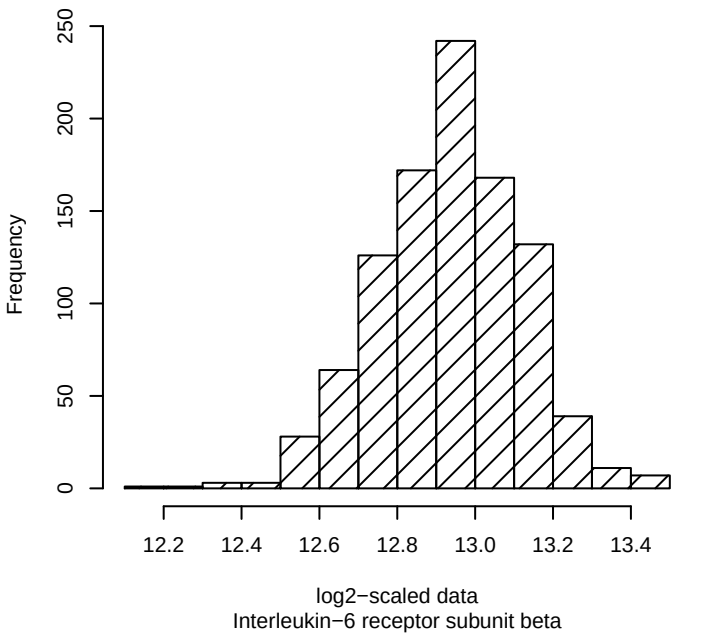

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
log2−scaled data
6
7
8
9
10
11
12
T/T (862)
T/C (112)
C/C (5)
rs4418214 (Chr6:31391401)
Locus 271 top sentinel (CIS), p=3.7e−15, FC=−1.6276

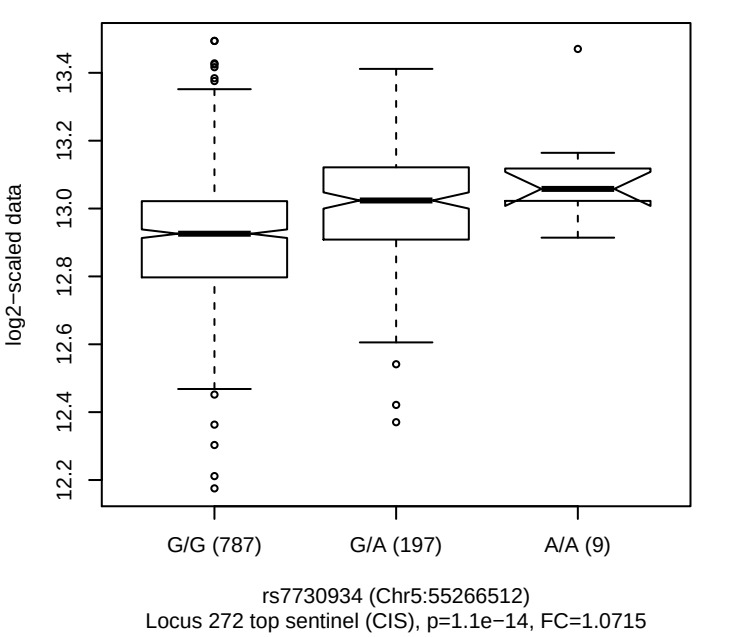

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence A

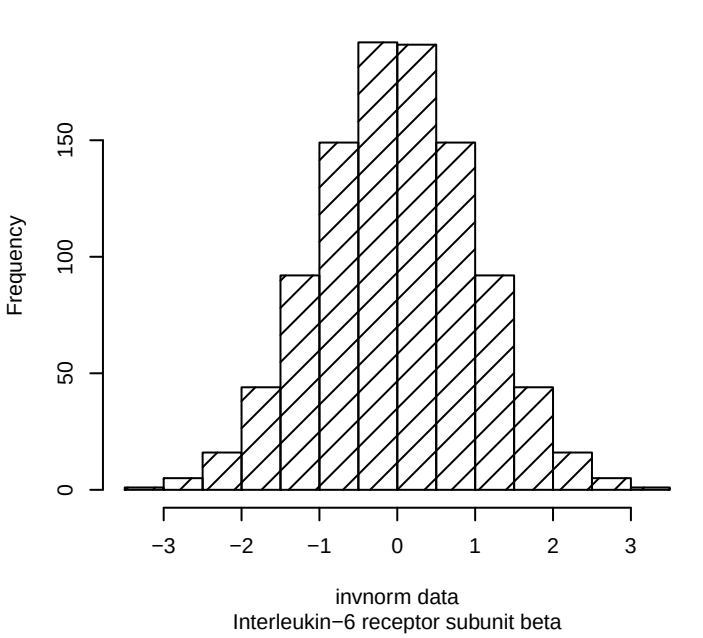

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (862)
T/C (112)
C/C (5)
rs4418214 (Chr6:31391401)
Locus 271 top sentinel (CIS), p=2.2e−15

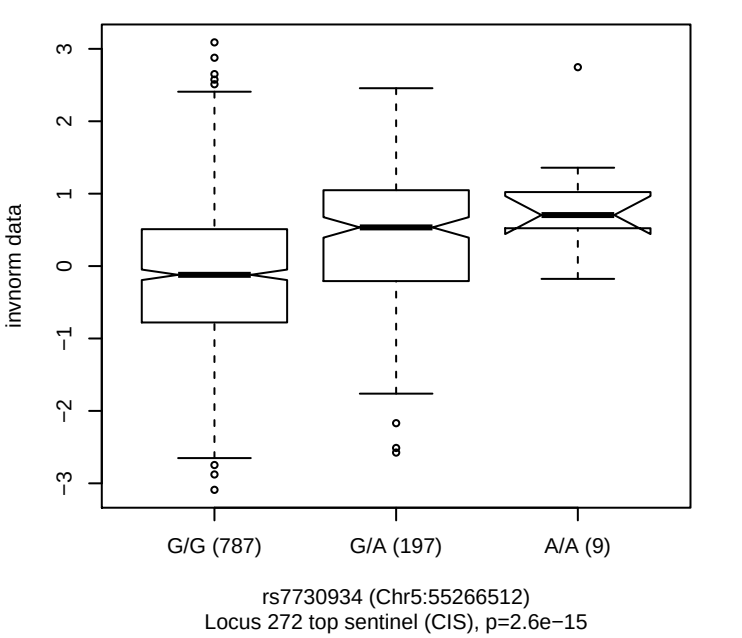

gp130, soluble (Uniprot: P40189, ProbeID: 2620−4_2)
Frequency
0
50
100
150
200
6000
8000
10000
12000
raw data
Interleukin−6 receptor subunit beta

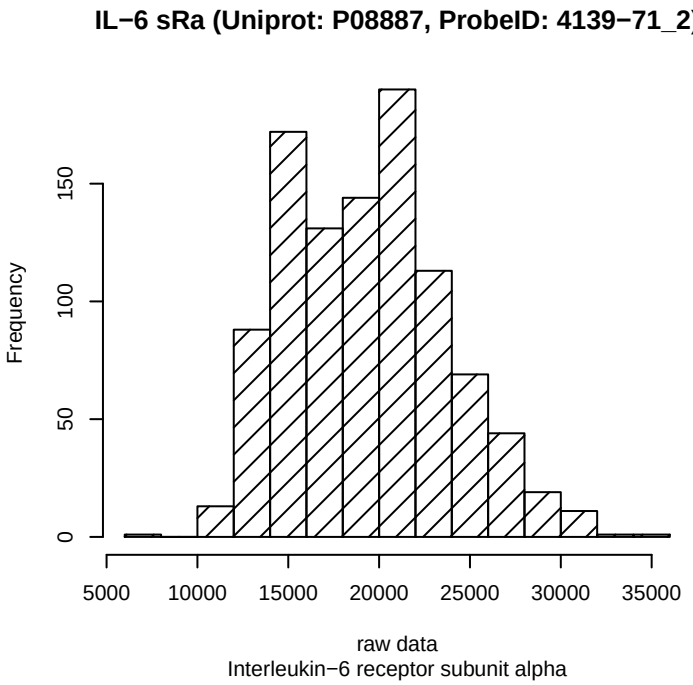

gp130, soluble (Uniprot: P40189, ProbeID: 2620−4_2)
raw data
5000
7000
9000
11000
G/G (787)
G/A (197)
A/A (9)
rs7730934 (Chr5:55266512)
Locus 272 top sentinel (CIS), p=4.1e−15

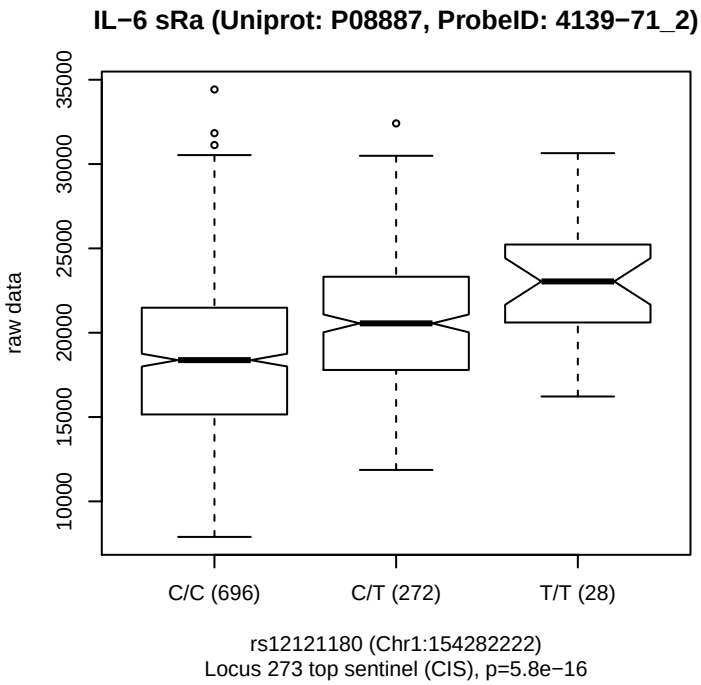

gp130, soluble (Uniprot: P40189, ProbeID: 2620−4_2)
Frequency
0
50
100
150
200
250
12.2
12.4
12.6
12.8
13.0
13.2
13.4
log2−scaled data
Interleukin−6 receptor subunit beta

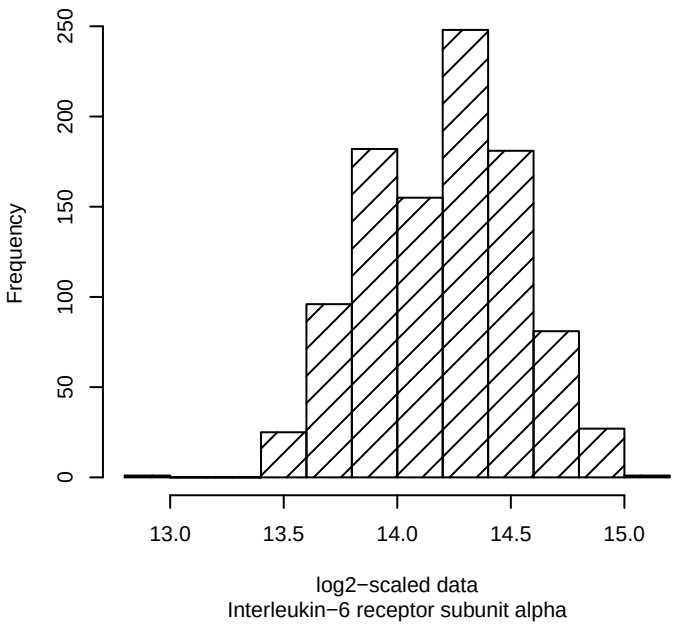

gp130, soluble (Uniprot: P40189, ProbeID: 2620−4_2)
log2−scaled data
12.2
12.4
12.6
12.8
13.0
13.2
13.4
G/G (787)
G/A (197)
A/A (9)
rs7730934 (Chr5:55266512)
Locus 272 top sentinel (CIS), p=1.1e−14, FC=1.0715

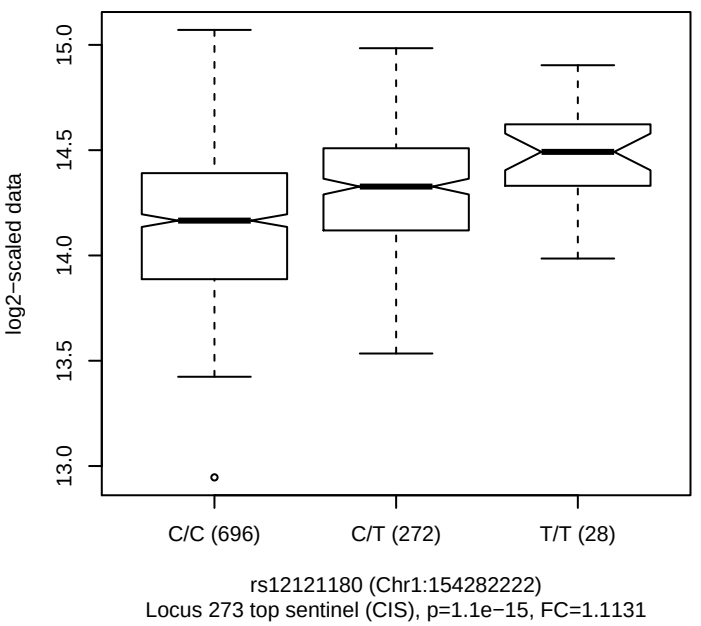

gp130, soluble (Uniprot: P40189, ProbeID: 2620−4_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−6 receptor subunit beta

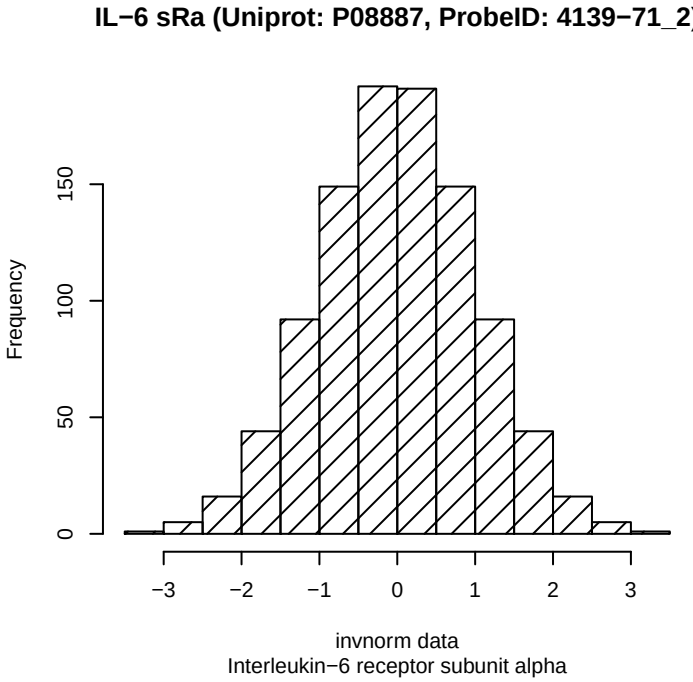

gp130, soluble (Uniprot: P40189, ProbeID: 2620−4_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (787)
G/A (197)
A/A (9)
rs7730934 (Chr5:55266512)
Locus 272 top sentinel (CIS), p=2.6e−15

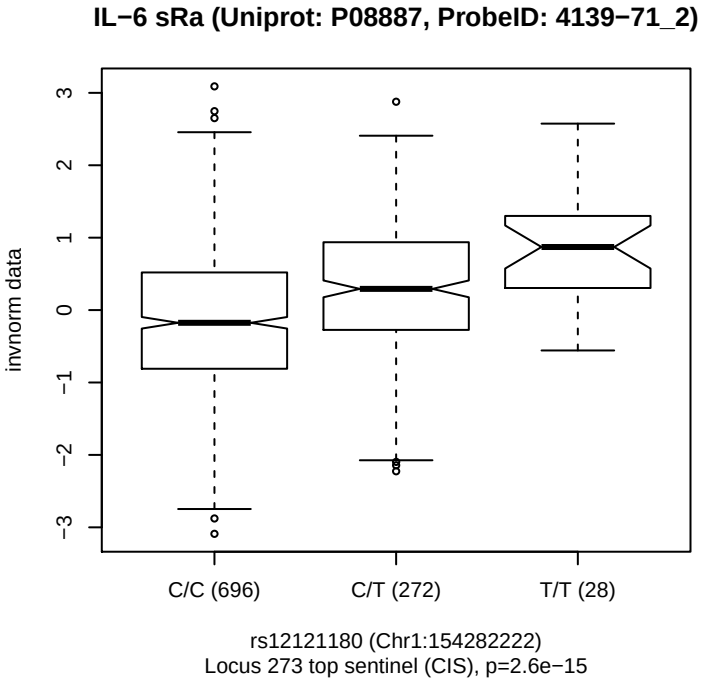

IL−6 sRa (Uniprot: P08887, ProbeID: 4139−71_2)
Frequency
0
50
100
150
5000
10000
15000
20000
25000
30000
35000
raw data
Interleukin−6 receptor subunit alpha

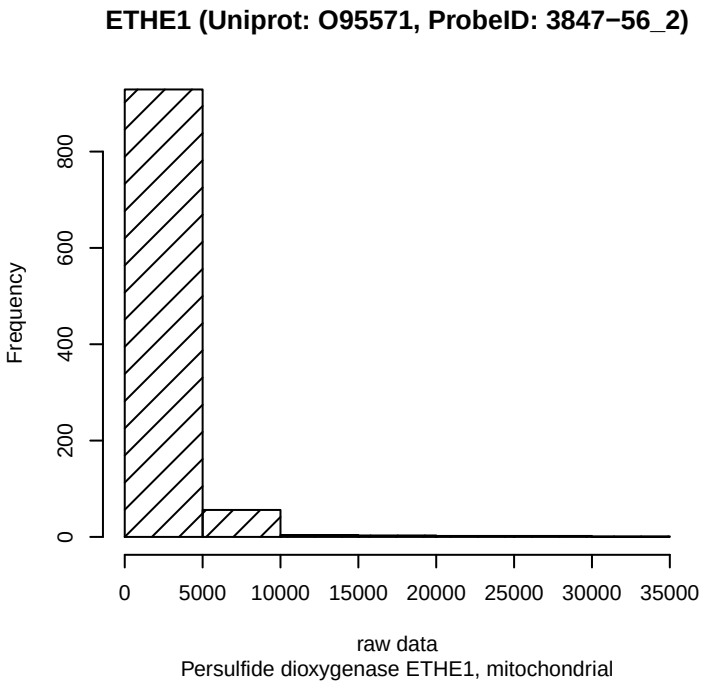

IL−6 sRa (Uniprot: P08887, ProbeID: 4139−71_2)
raw data
10000
15000
20000
25000
30000
35000
C/C (696)
C/T (272)
T/T (28)
rs12121180 (Chr1:154282222)
Locus 273 top sentinel (CIS), p=5.8e−16

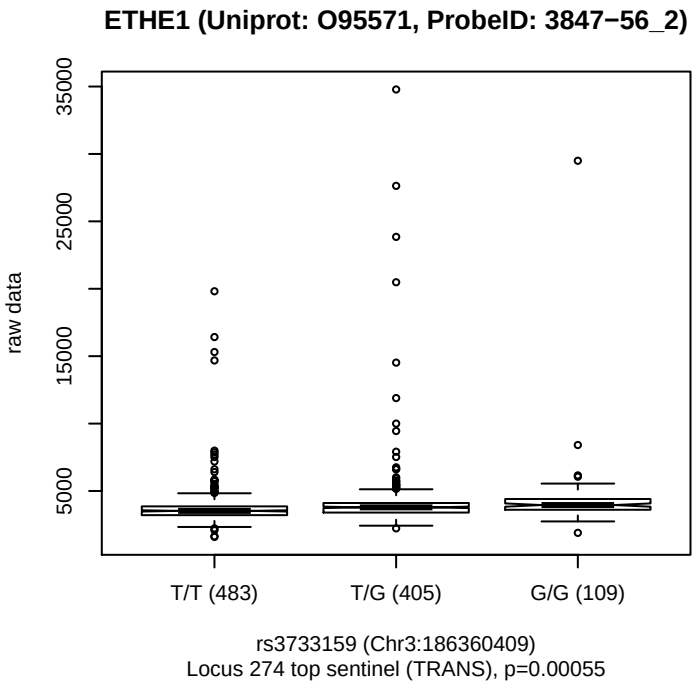

IL−6 sRa (Uniprot: P08887, ProbeID: 4139−71_2)
Frequency
0
50
100
150
200
250
13.0
13.5
14.0
14.5
15.0
log2−scaled data
Interleukin−6 receptor subunit alpha

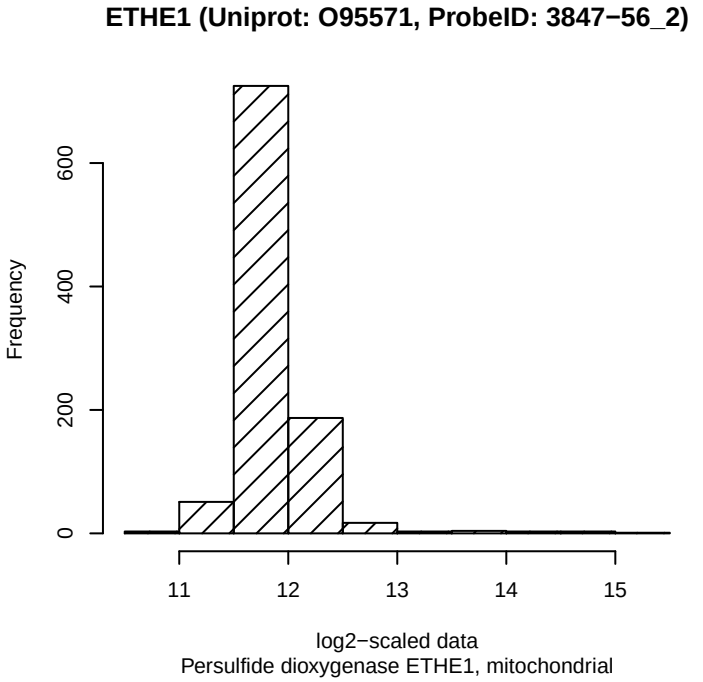

IL−6 sRa (Uniprot: P08887, ProbeID: 4139−71_2)
log2−scaled data
13.0
13.5
14.0
14.5
15.0
C/C (696)
C/T (272)
T/T (28)
rs12121180 (Chr1:154282222)
Locus 273 top sentinel (CIS), p=1.1e−15, FC=1.1131

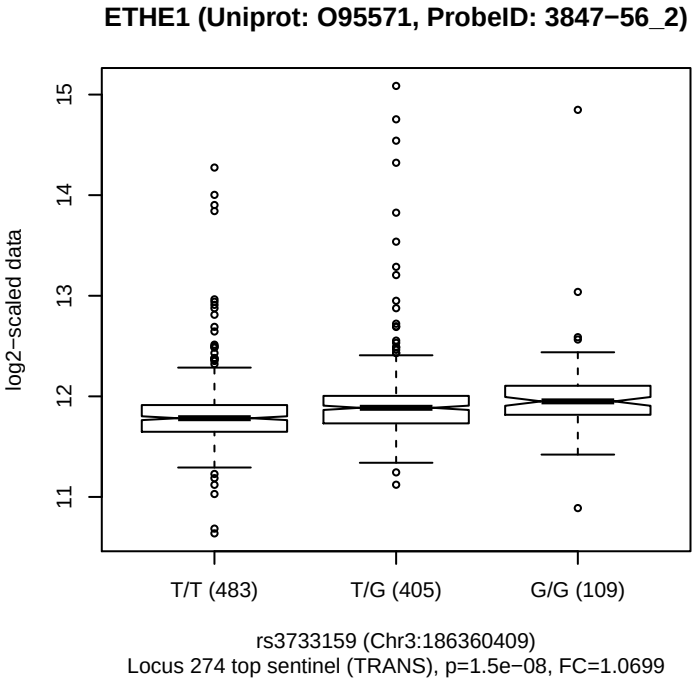

IL−6 sRa (Uniprot: P08887, ProbeID: 4139−71_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−6 receptor subunit alpha

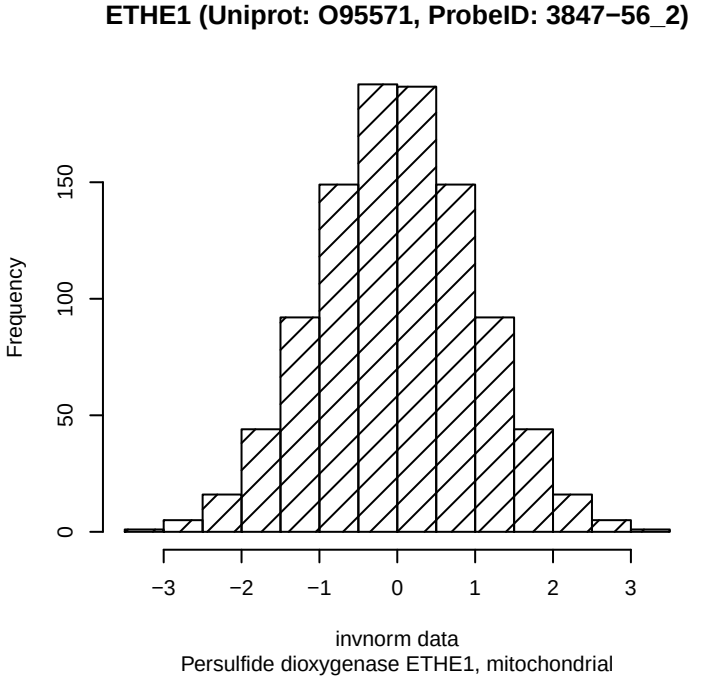

IL−6 sRa (Uniprot: P08887, ProbeID: 4139−71_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (696)
C/T (272)
T/T (28)
rs12121180 (Chr1:154282222)
Locus 273 top sentinel (CIS), p=2.6e−15

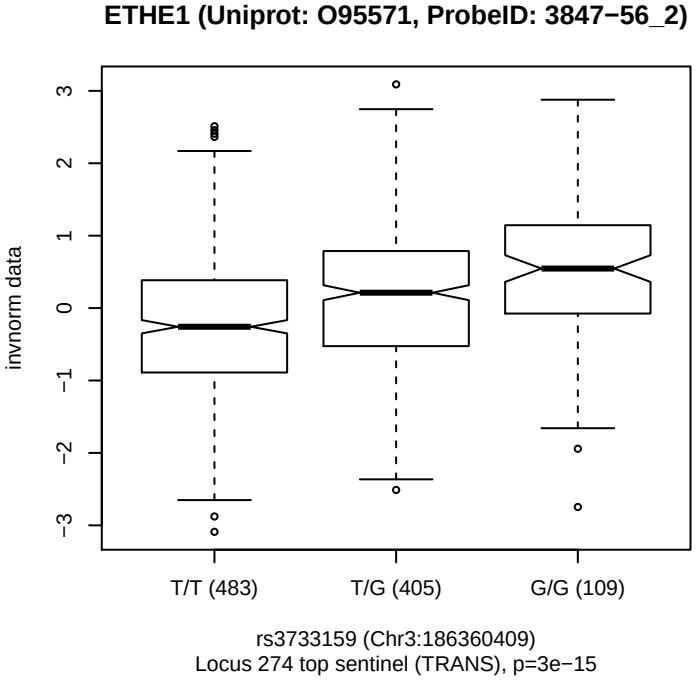

ETHE1 (Uniprot: O95571, ProbeID: 3847−56_2)
Frequency
0
200
400
600
800
0
5000
10000
15000
20000
25000
30000
35000
raw data
Persulfide dioxygenase ETHE1, mitochondrial

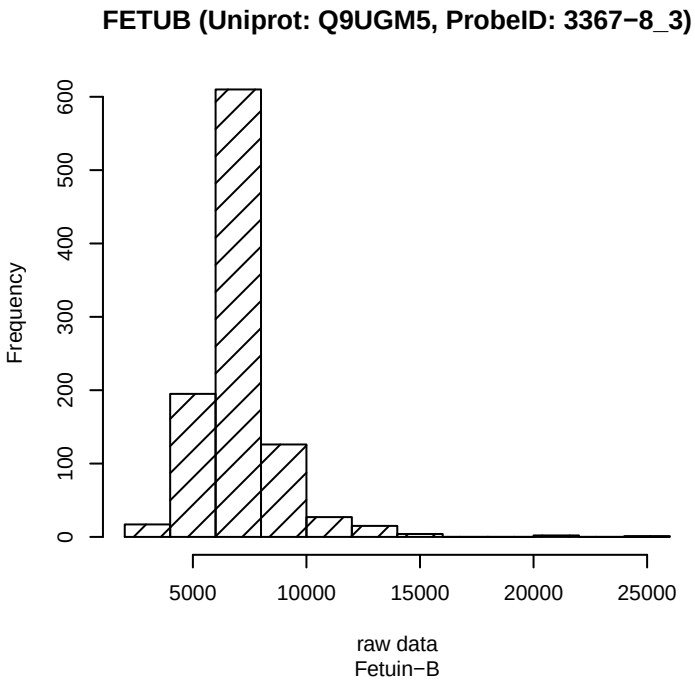

ETHE1 (Uniprot: O95571, ProbeID: 3847−56_2)
raw data
5000
15000
25000
35000
T/T (483)
T/G (405)
G/G (109)
rs3733159 (Chr3:186360409)
Locus 274 top sentinel (TRANS), p=0.00055

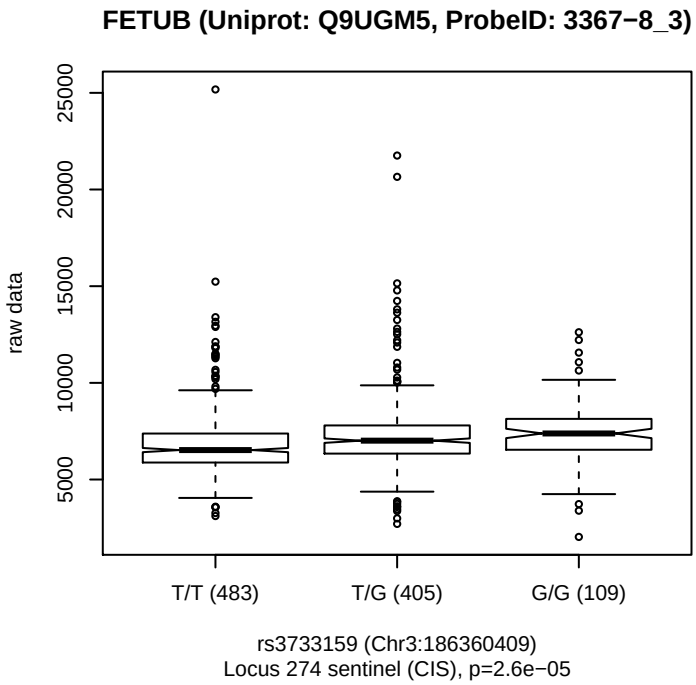

ETHE1 (Uniprot: O95571, ProbeID: 3847−56_2)
Frequency
0
200
400
600
11
12
13
14
15
log2−scaled data
Persulfide dioxygenase ETHE1, mitochondrial

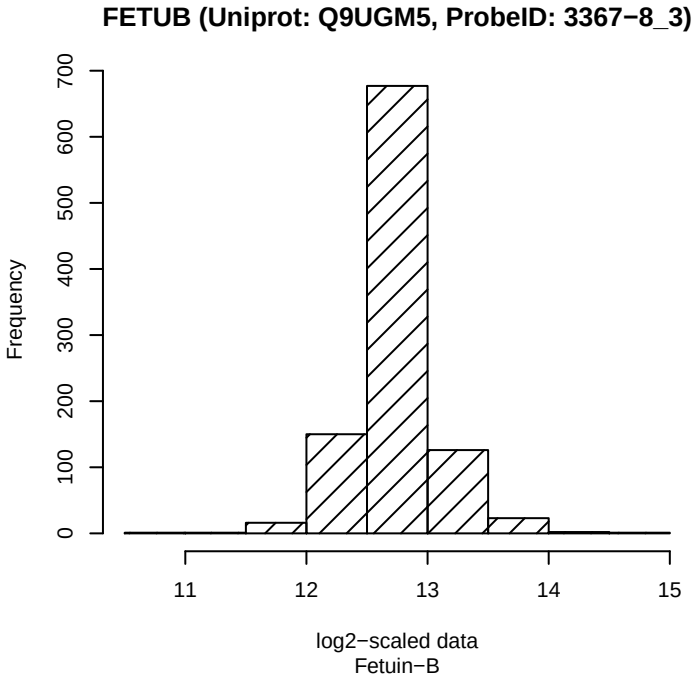

ETHE1 (Uniprot: O95571, ProbeID: 3847−56_2)
log2−scaled data
11
12
13
14
15
T/T (483)
T/G (405)
G/G (109)
rs3733159 (Chr3:186360409)
Locus 274 top sentinel (TRANS), p=1.5e−08, FC=1.0699

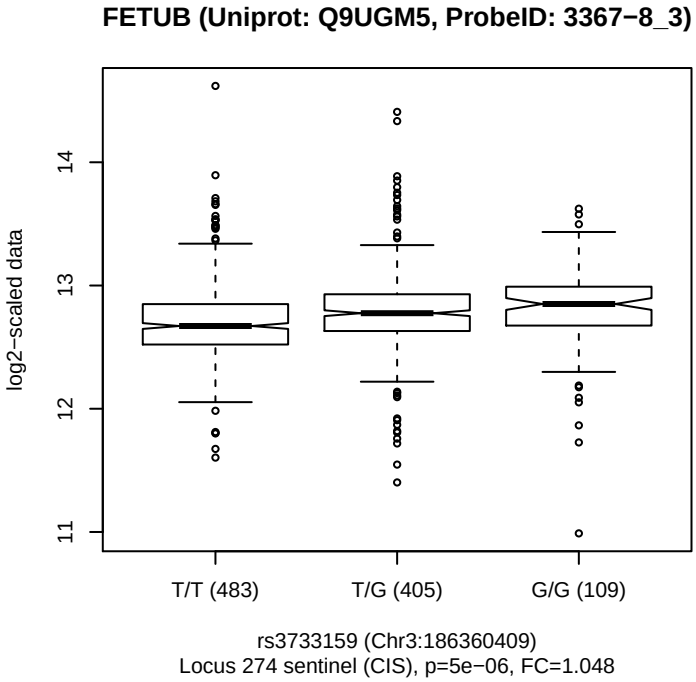

ETHE1 (Uniprot: O95571, ProbeID: 3847−56_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Persulfide dioxygenase ETHE1, mitochondrial

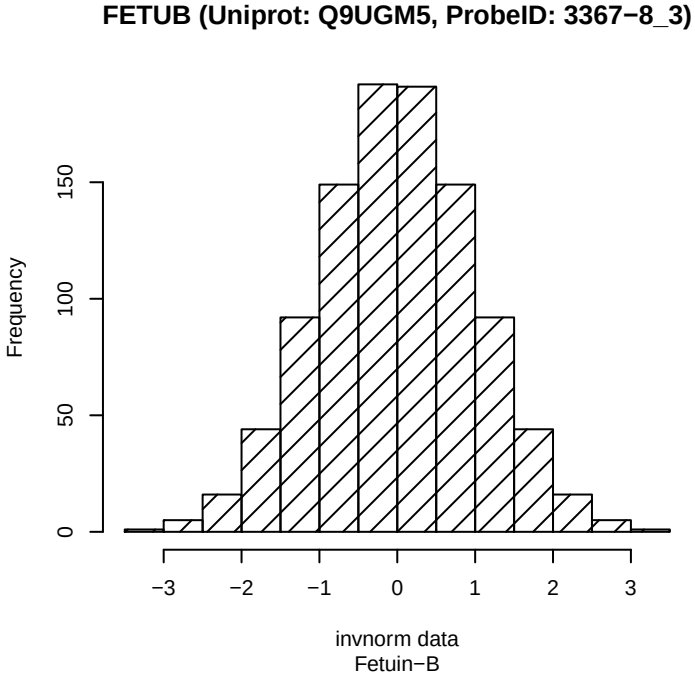

ETHE1 (Uniprot: O95571, ProbeID: 3847−56_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (483)
T/G (405)
G/G (109)
rs3733159 (Chr3:186360409)
Locus 274 top sentinel (TRANS), p=3e−15

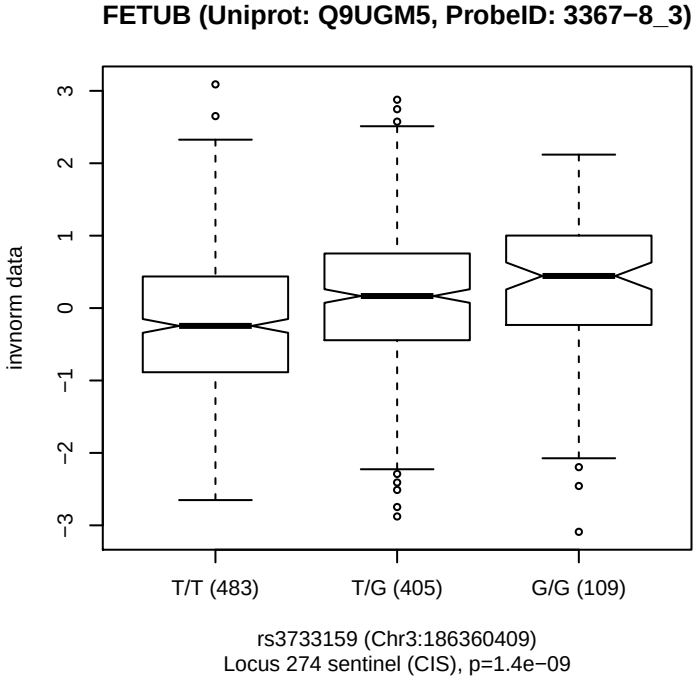

FETUB (Uniprot: Q9UGM5, ProbeID: 3367−8_3)
Frequency
0
100
200
300
400
500
600
5000
10000
15000
20000
25000
raw data
Fetuin−B

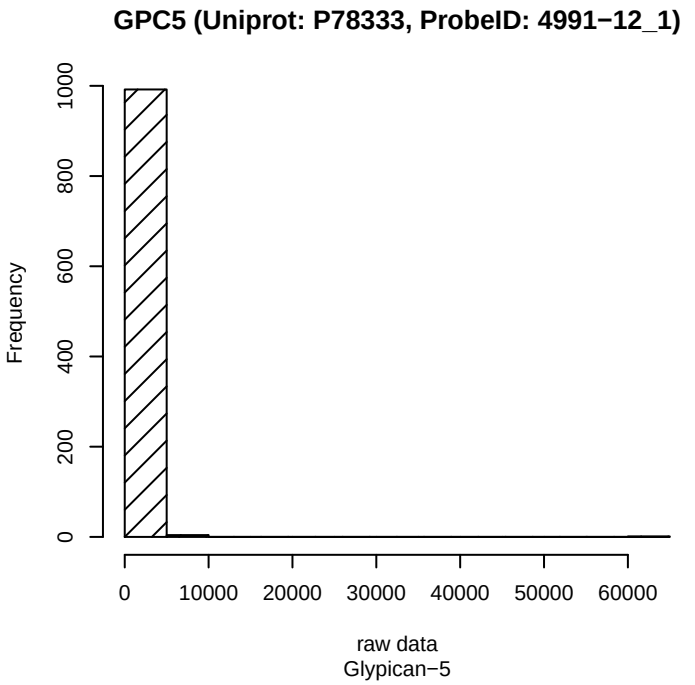

FETUB (Uniprot: Q9UGM5, ProbeID: 3367−8_3)
raw data
5000
10000
15000
20000
25000
T/T (483)
T/G (405)
G/G (109)
rs3733159 (Chr3:186360409)
Locus 274 sentinel (CIS), p=2.6e−05

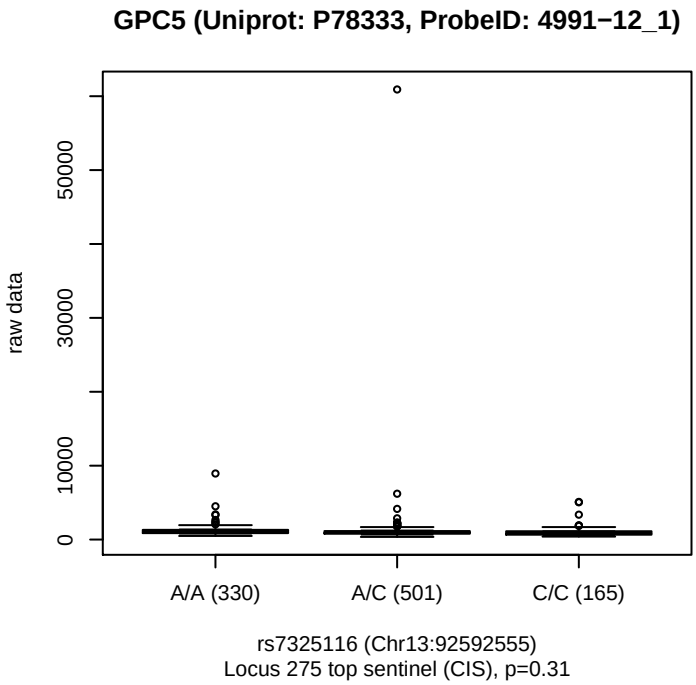

FETUB (Uniprot: Q9UGM5, ProbeID: 3367−8_3)
Frequency
0
100
200
300
400
500
600
700
11
12
13
14
15
log2−scaled data
Fetuin−B

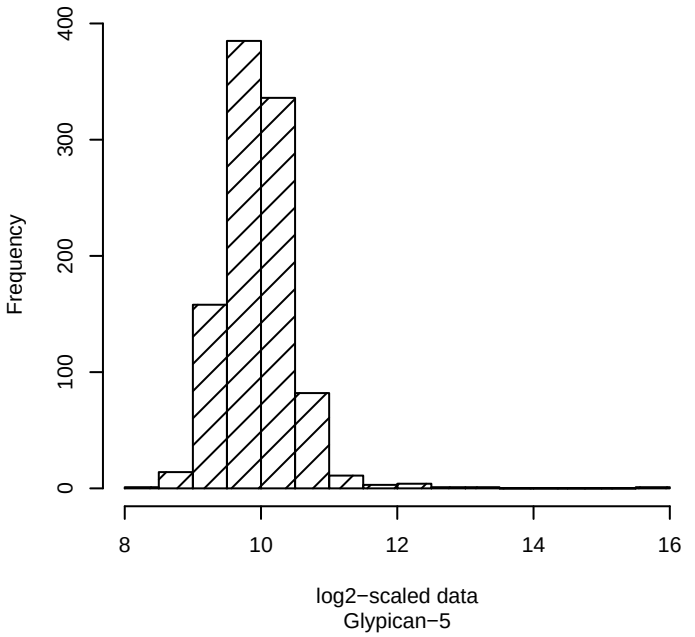

FETUB (Uniprot: Q9UGM5, ProbeID: 3367−8_3)
log2−scaled data
11
12
13
14
T/T (483)
T/G (405)
G/G (109)
rs3733159 (Chr3:186360409)
Locus 274 sentinel (CIS), p=5e−06, FC=1.048

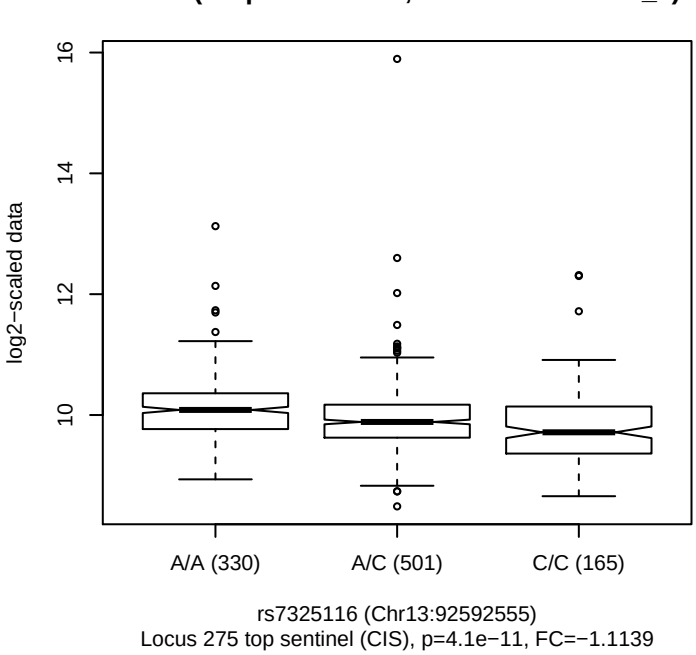

FETUB (Uniprot: Q9UGM5, ProbeID: 3367−8_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Fetuin−B

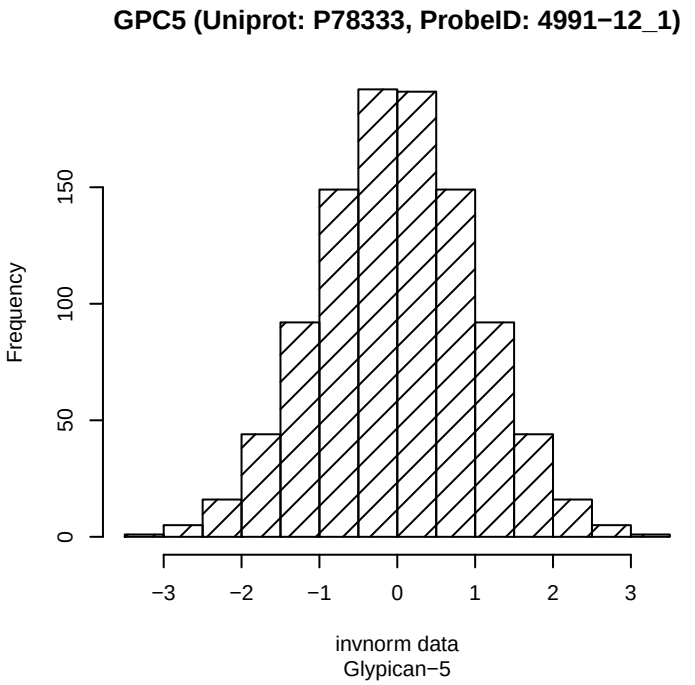

FETUB (Uniprot: Q9UGM5, ProbeID: 3367−8_3)
invnorm data
−3
−2
−1
0
1
2
3
T/T (483)
T/G (405)
G/G (109)
rs3733159 (Chr3:186360409)
Locus 274 sentinel (CIS), p=1.4e−09

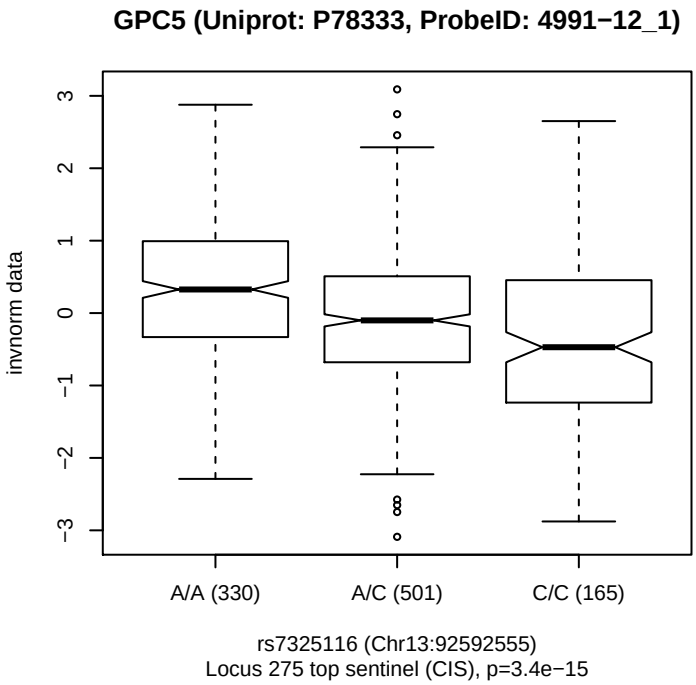

GPC5 (Uniprot: P78333, ProbeID: 4991−12_1)
Frequency
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000
raw data
Glypican−5

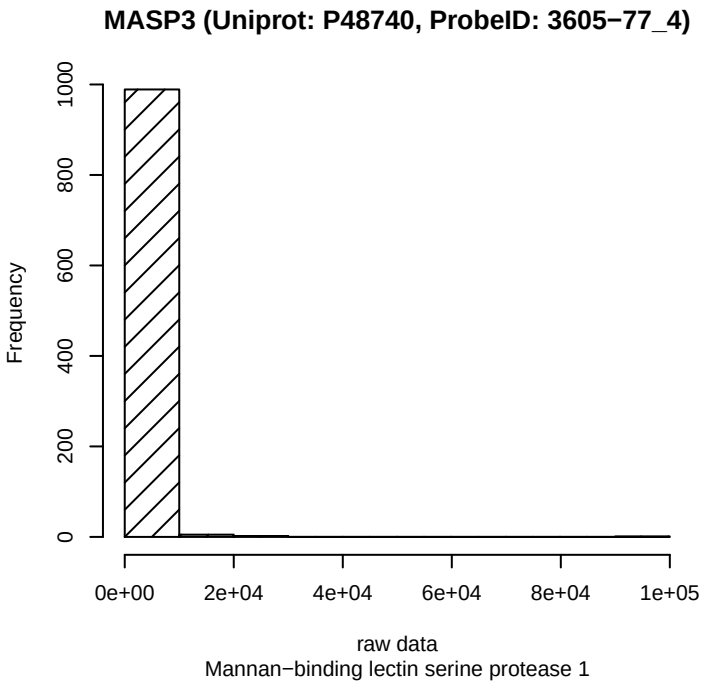

GPC5 (Uniprot: P78333, ProbeID: 4991−12_1)
raw data
0
10000
30000
50000
A/A (330)
A/C (501)
C/C (165)
rs7325116 (Chr13:92592555)
Locus 275 top sentinel (CIS), p=0.31

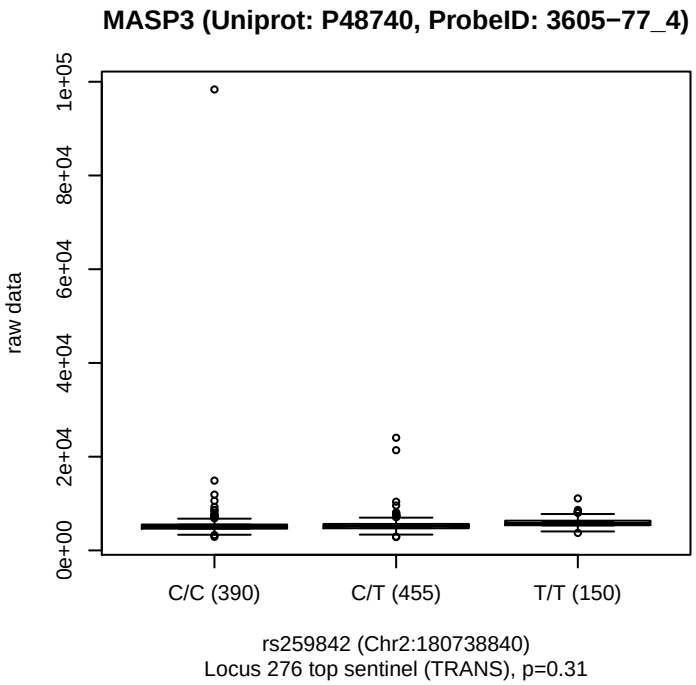

GPC5 (Uniprot: P78333, ProbeID: 4991−12_1)
Frequency
0
100
200
300
400
8
10
12
14
16
log2−scaled data
Glypican−5

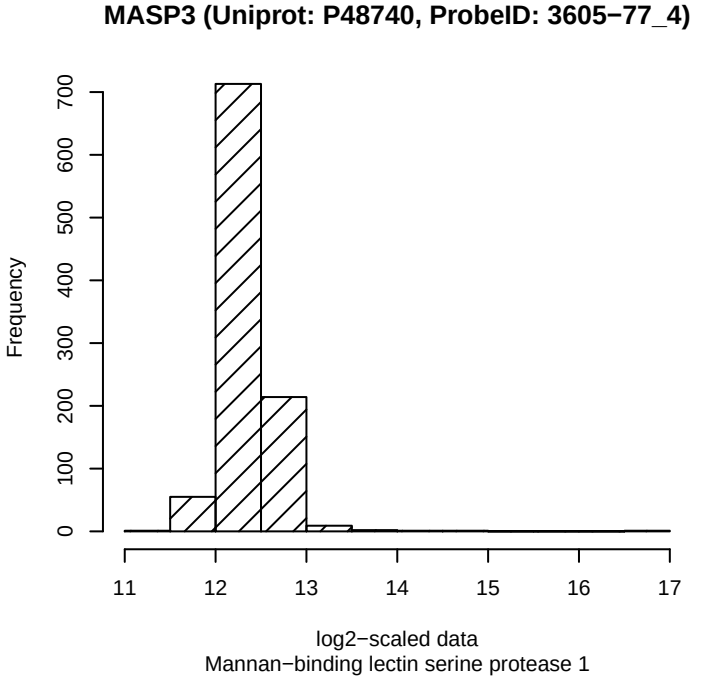

GPC5 (Uniprot: P78333, ProbeID: 4991−12_1)
log2−scaled data
10
12
14
16
A/A (330)
A/C (501)
C/C (165)
rs7325116 (Chr13:92592555)
Locus 275 top sentinel (CIS), p=4.1e−11, FC=−1.1139

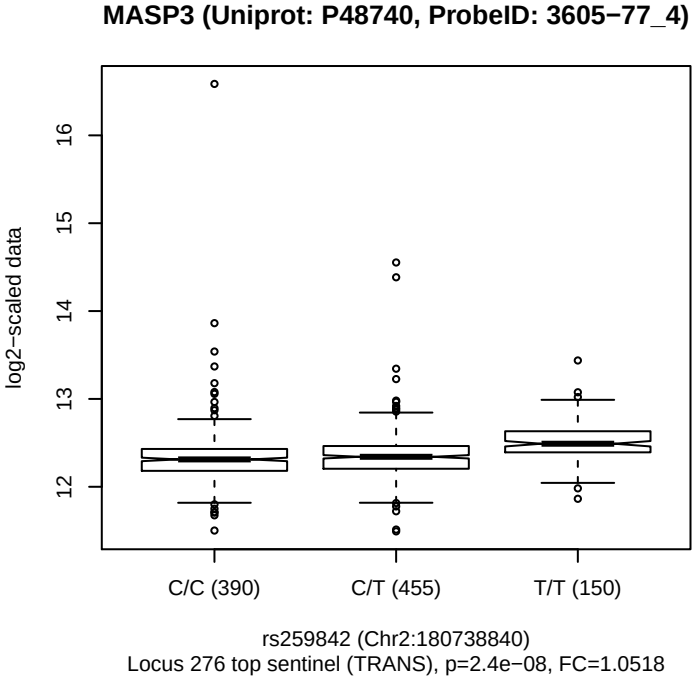

GPC5 (Uniprot: P78333, ProbeID: 4991−12_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Glypican−5

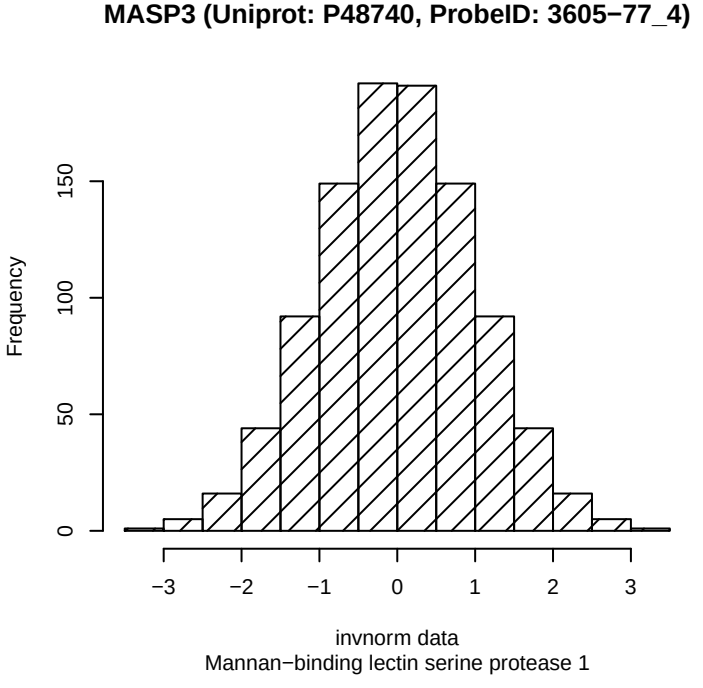

GPC5 (Uniprot: P78333, ProbeID: 4991−12_1)
invnorm data
−3
−2
−1
0
1
2
3
A/A (330)
A/C (501)
C/C (165)
rs7325116 (Chr13:92592555)
Locus 275 top sentinel (CIS), p=3.4e−15

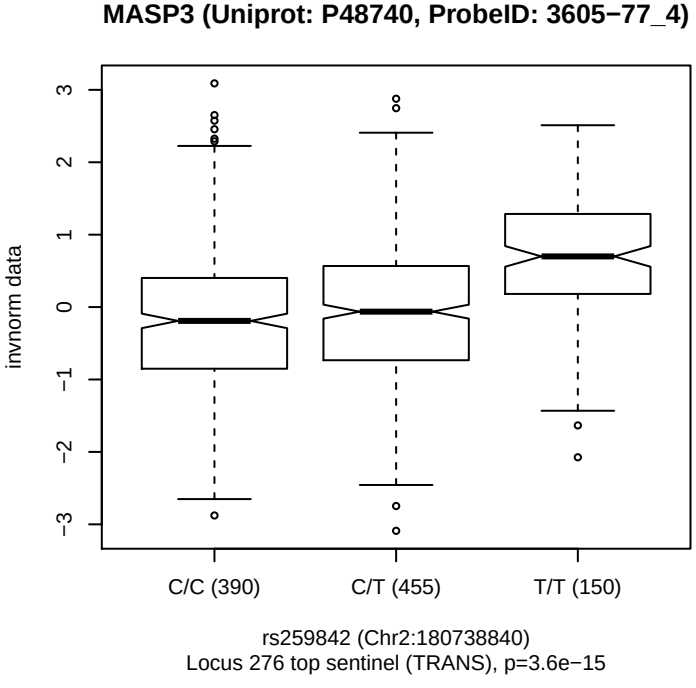

MASP3 (Uniprot: P48740, ProbeID: 3605−77_4)
Frequency
0
200
400
600
800
1000
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
raw data
Mannan−binding lectin serine protease 1

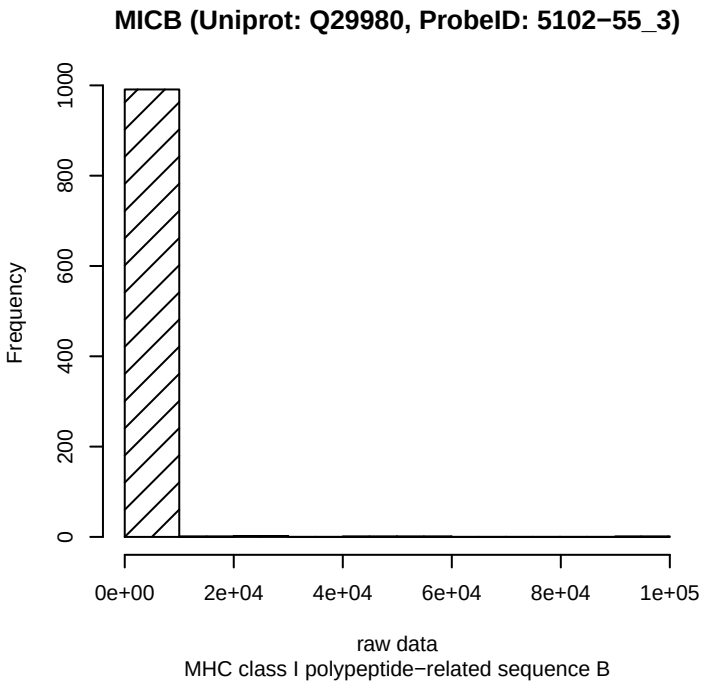

MASP3 (Uniprot: P48740, ProbeID: 3605−77_4)
raw data
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
C/C (390)
C/T (455)
T/T (150)
rs259842 (Chr2:180738840)
Locus 276 top sentinel (TRANS), p=0.31

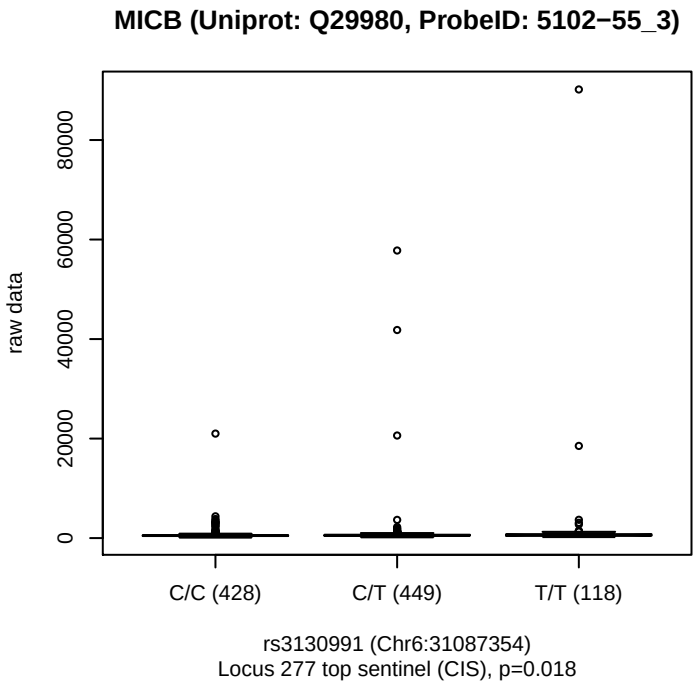

MASP3 (Uniprot: P48740, ProbeID: 3605−77_4)
Frequency
0
100
200
300
400
500
600
700
11
12
13
14
15
16
17
log2−scaled data
Mannan−binding lectin serine protease 1

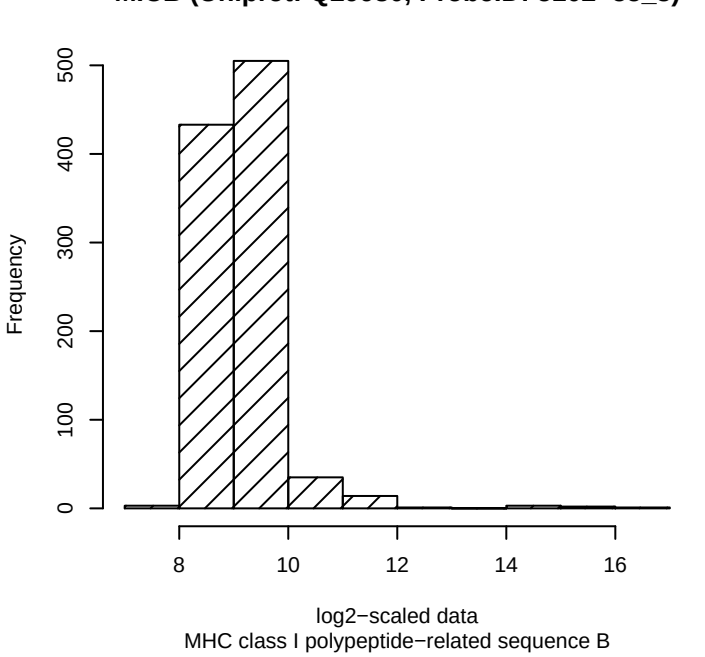

MASP3 (Uniprot: P48740, ProbeID: 3605−77_4)
log2−scaled data
12
13
14
15
16
C/C (390)
C/T (455)
T/T (150)
rs259842 (Chr2:180738840)
Locus 276 top sentinel (TRANS), p=2.4e−08, FC=1.0518

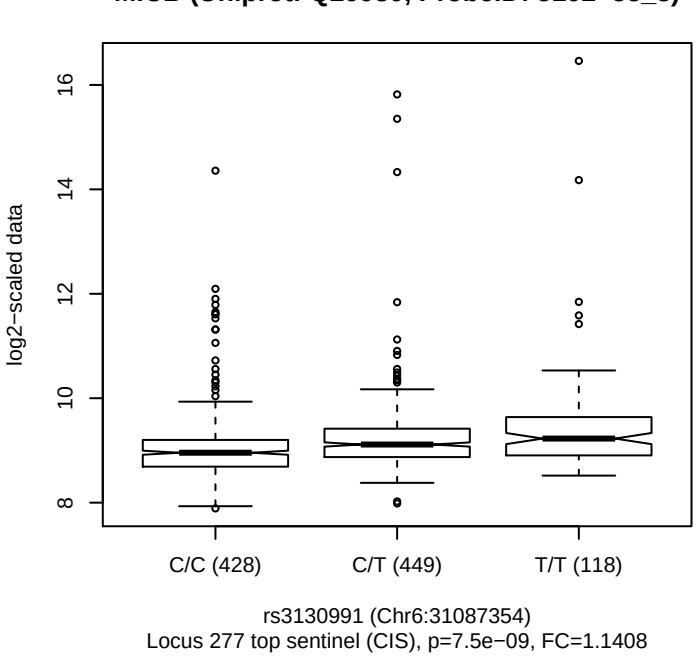

MASP3 (Uniprot: P48740, ProbeID: 3605−77_4)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Mannan−binding lectin serine protease 1

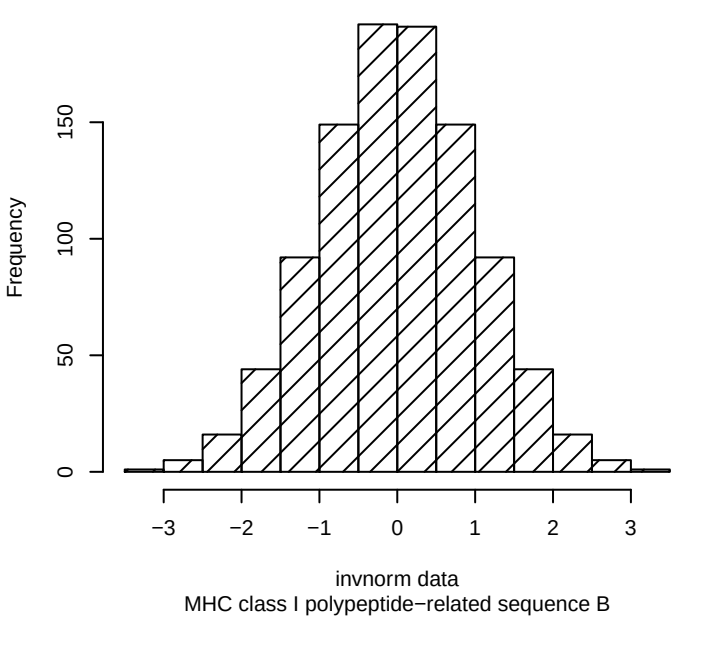

MASP3 (Uniprot: P48740, ProbeID: 3605−77_4)
invnorm data
−3
−2
−1
0
1
2
3
C/C (390)
C/T (455)
T/T (150)
rs259842 (Chr2:180738840)
Locus 276 top sentinel (TRANS), p=3.6e−15

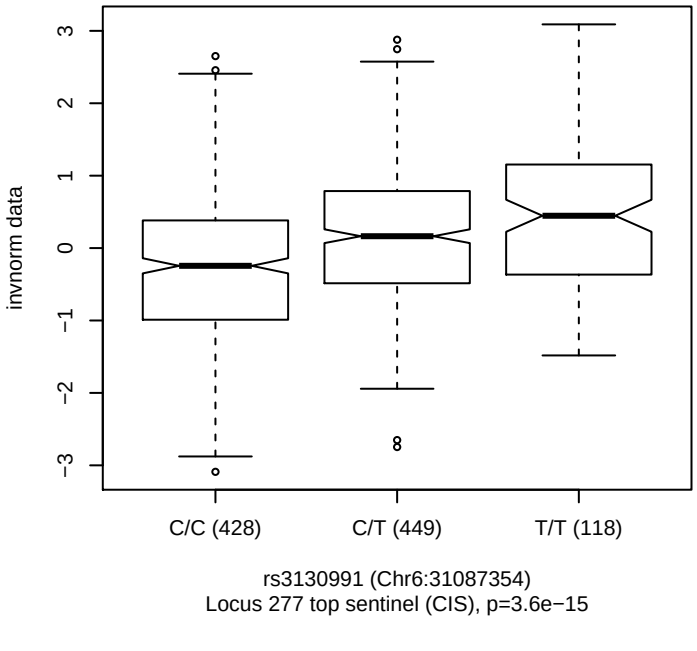

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
200
400
600
800
1000
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
raw data
MHC class I polypeptide−related sequence B

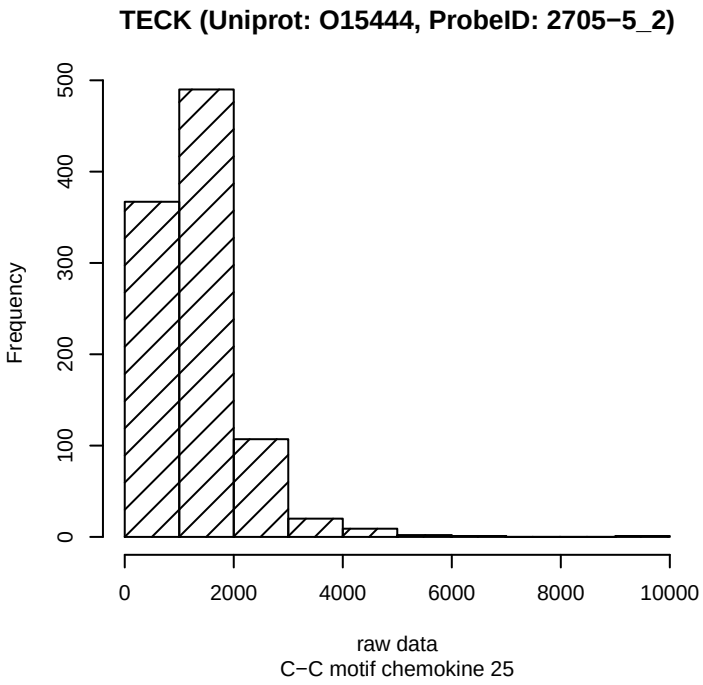

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
raw data
0
20000
40000
60000
80000
C/C (428)
C/T (449)
T/T (118)
rs3130991 (Chr6:31087354)
Locus 277 top sentinel (CIS), p=0.018

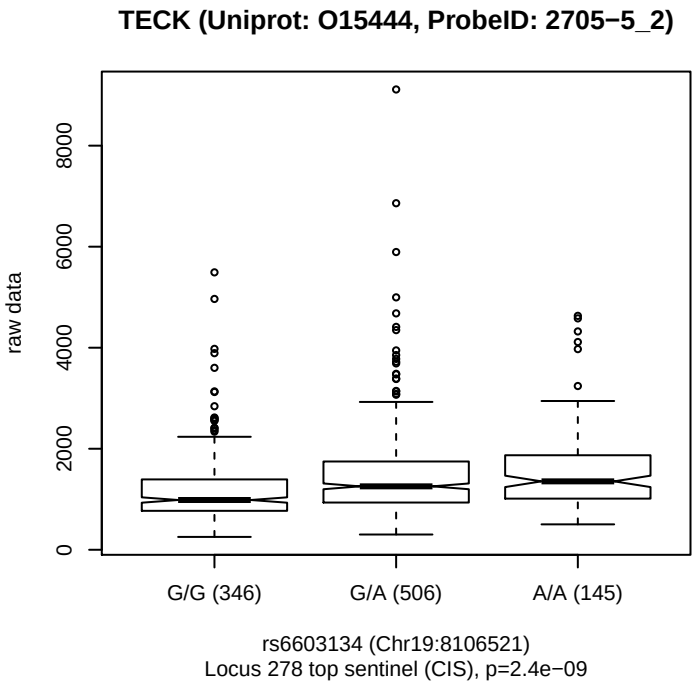

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
100
200
300
400
500
8
10
12
14
16
log2−scaled data
MHC class I polypeptide−related sequence B

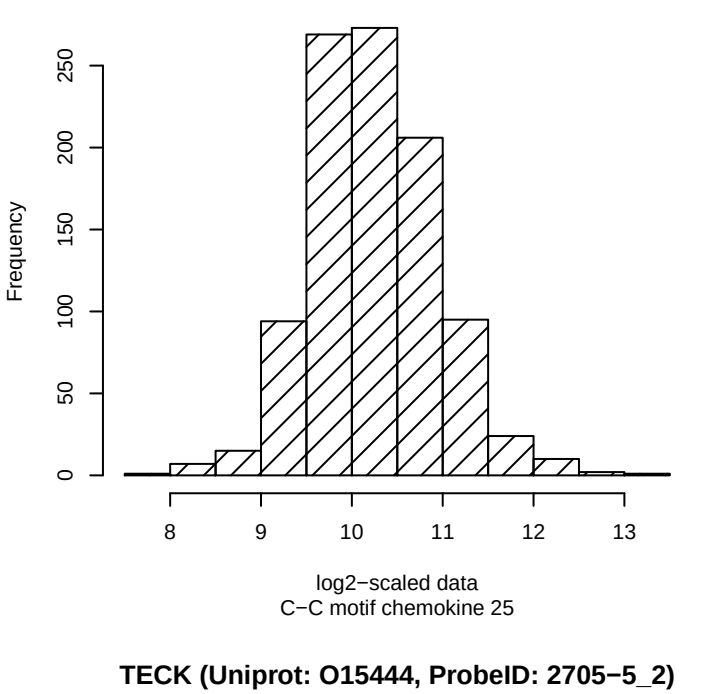

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
log2−scaled data
8
10
12
14
16
C/C (428)
C/T (449)
T/T (118)
rs3130991 (Chr6:31087354)
Locus 277 top sentinel (CIS), p=7.5e−09, FC=1.1408

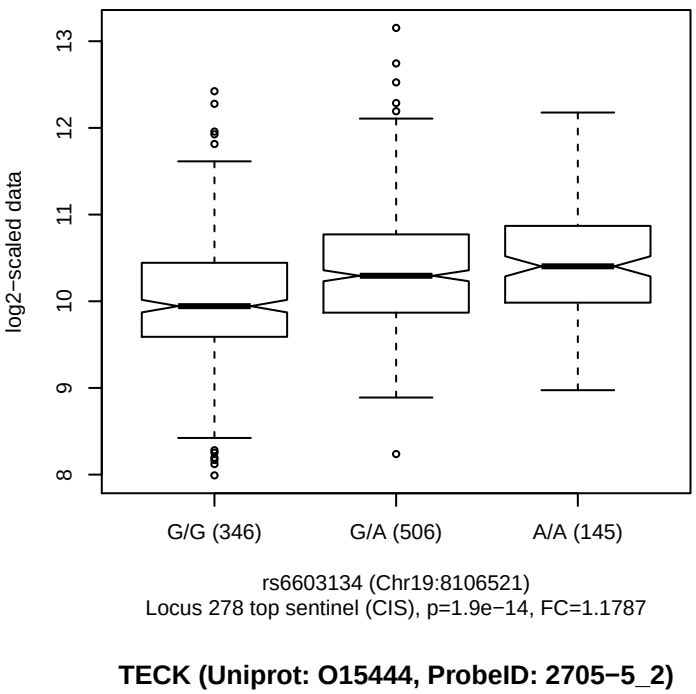

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence B

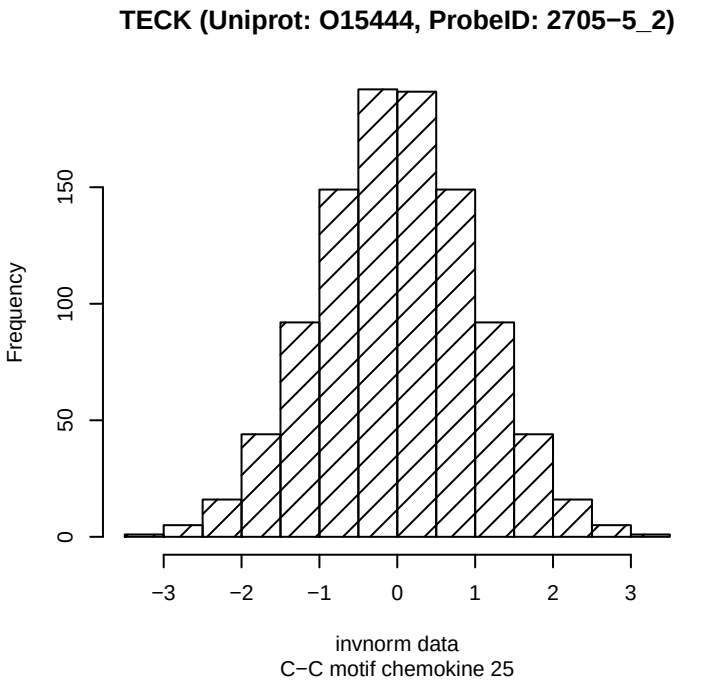

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
invnorm data
−3
−2
−1
0
1
2
3
C/C (428)
C/T (449)
T/T (118)
rs3130991 (Chr6:31087354)
Locus 277 top sentinel (CIS), p=3.6e−15

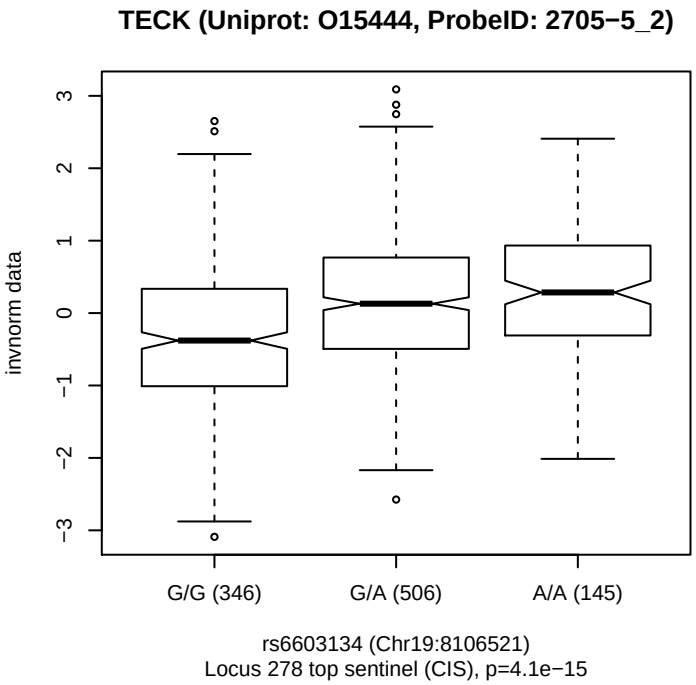

TECK (Uniprot: O15444, ProbeID: 2705−5_2)
Frequency
0
100
200
300
400
500
0
2000
4000
6000
8000
10000
raw data
C−C motif chemokine 25

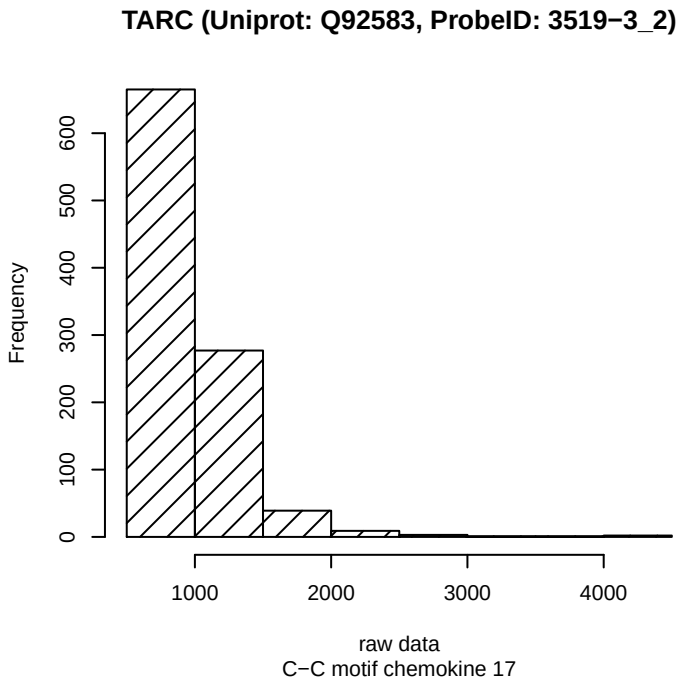

TECK (Uniprot: O15444, ProbeID: 2705−5_2)
raw data
0
2000
4000
6000
8000
G/G (346)
G/A (506)
A/A (145)
rs6603134 (Chr19:8106521)
Locus 278 top sentinel (CIS), p=2.4e−09

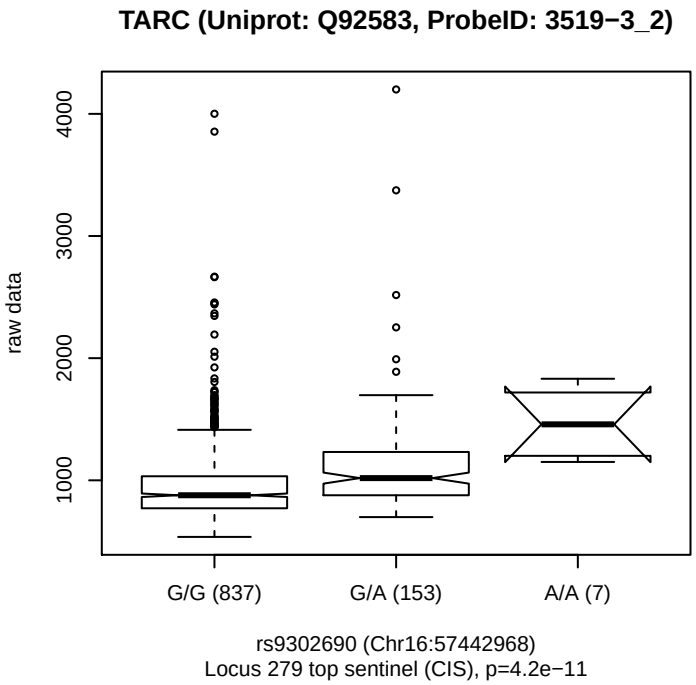

TECK (Uniprot: O15444, ProbeID: 2705−5_2)
Frequency
0
50
100
150
200
250
8
9
10
11
12
13
log2−scaled data
C−C motif chemokine 25

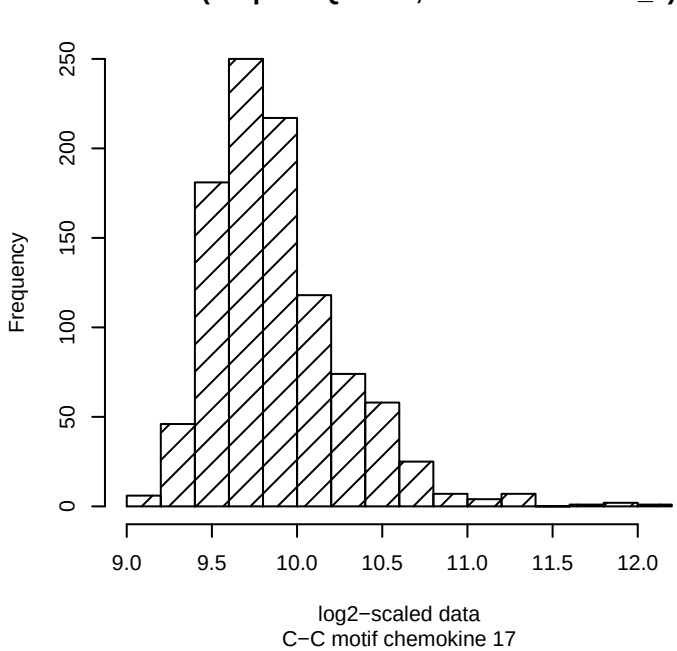

TECK (Uniprot: O15444, ProbeID: 2705−5_2)
log2−scaled data
8
9
10
11
12
13
G/G (346)
G/A (506)
A/A (145)
rs6603134 (Chr19:8106521)
Locus 278 top sentinel (CIS), p=1.9e−14, FC=1.1787

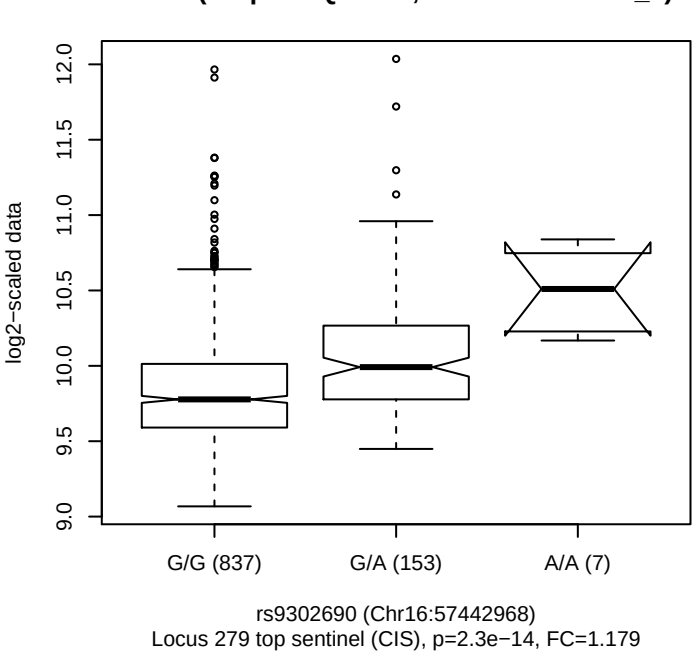

TECK (Uniprot: O15444, ProbeID: 2705−5_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 25

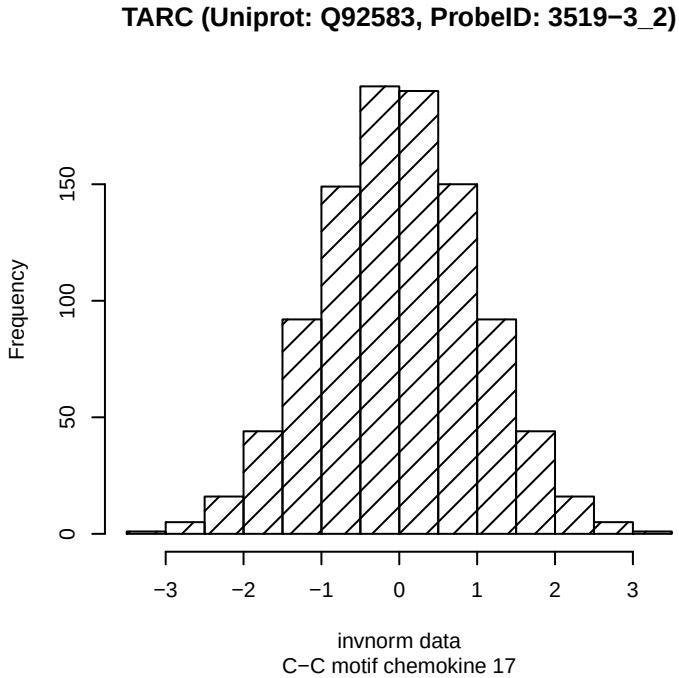

TECK (Uniprot: O15444, ProbeID: 2705−5_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (346)
G/A (506)
A/A (145)
rs6603134 (Chr19:8106521)
Locus 278 top sentinel (CIS), p=4.1e−15

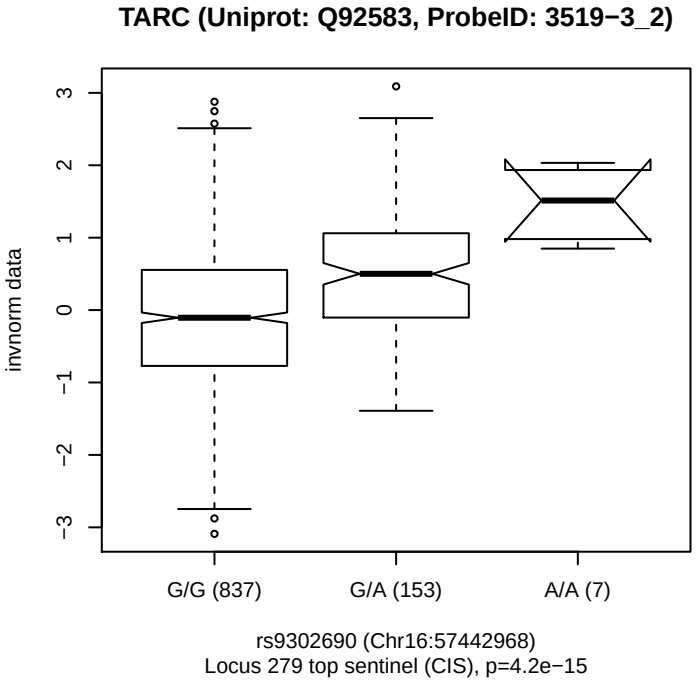

TARC (Uniprot: Q92583, ProbeID: 3519−3_2)
Frequency
0
100
200
300
400
500
600
1000
2000
3000
4000
raw data
C−C motif chemokine 17

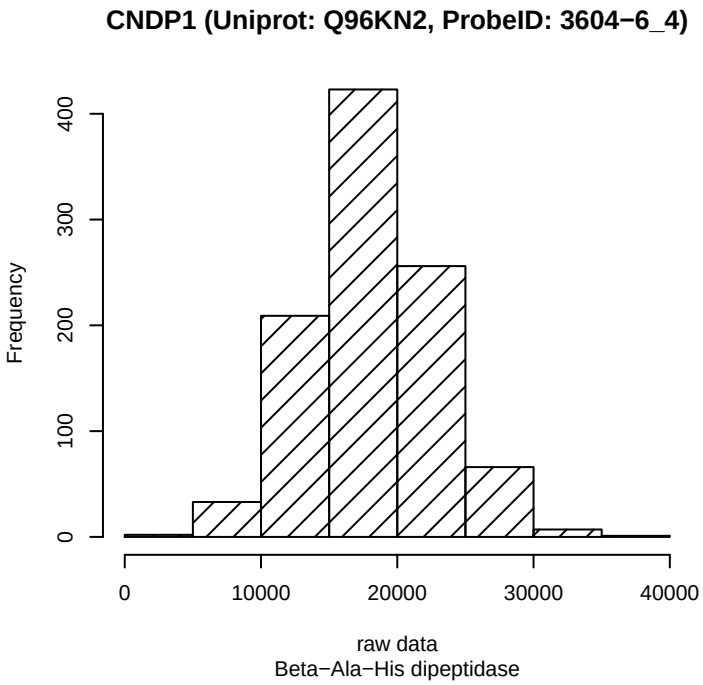

TARC (Uniprot: Q92583, ProbeID: 3519−3_2)
raw data
1000
2000
3000
4000
G/G (837)
G/A (153)
A/A (7)
rs9302690 (Chr16:57442968)
Locus 279 top sentinel (CIS), p=4.2e−11

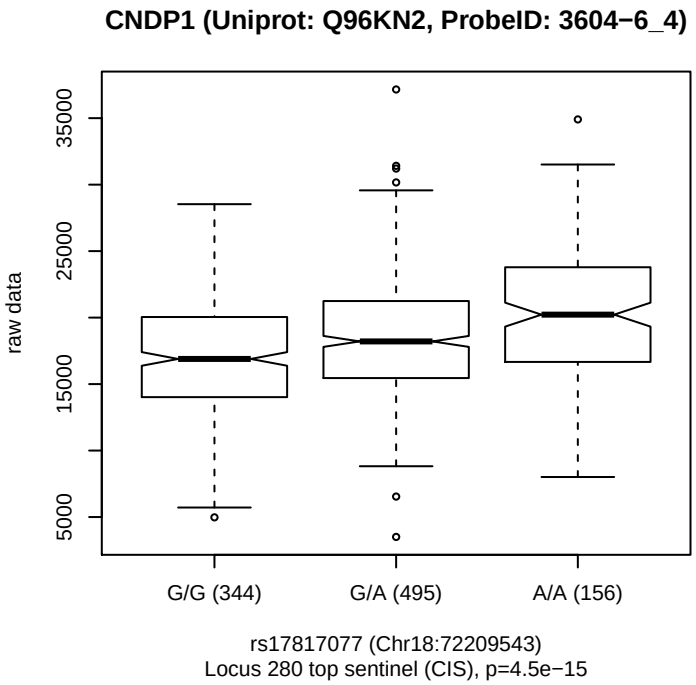

TARC (Uniprot: Q92583, ProbeID: 3519−3_2)
Frequency
0
50
100
150
200
250
9.0
9.5
10.0
10.5
11.0
11.5
12.0
log2−scaled data
C−C motif chemokine 17

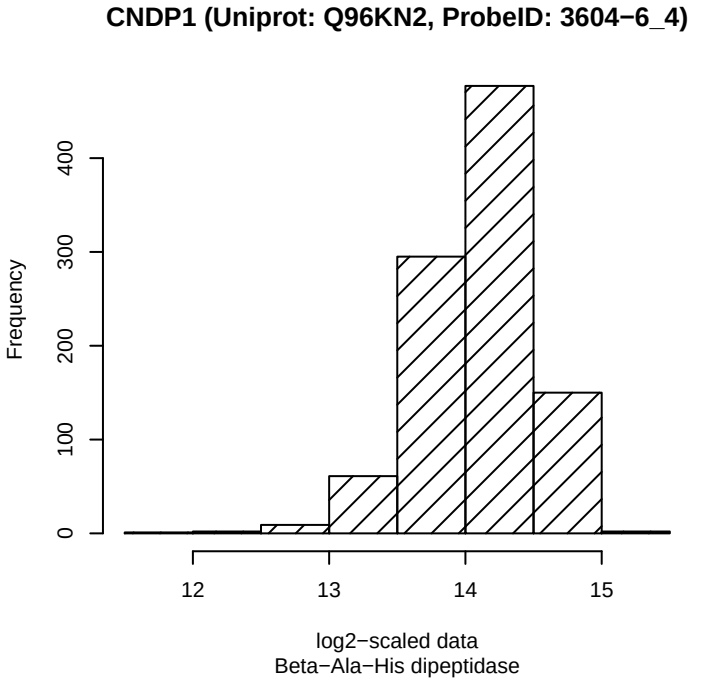

TARC (Uniprot: Q92583, ProbeID: 3519−3_2)
log2−scaled data
9.0
9.5
10.0
10.5
11.0
11.5
12.0
G/G (837)
G/A (153)
A/A (7)
rs9302690 (Chr16:57442968)
Locus 279 top sentinel (CIS), p=2.3e−14, FC=1.179

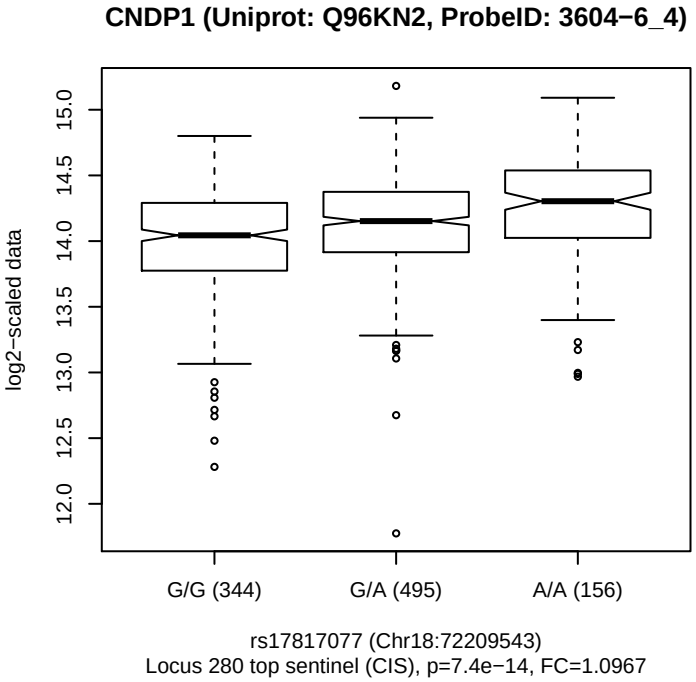

TARC (Uniprot: Q92583, ProbeID: 3519−3_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 17

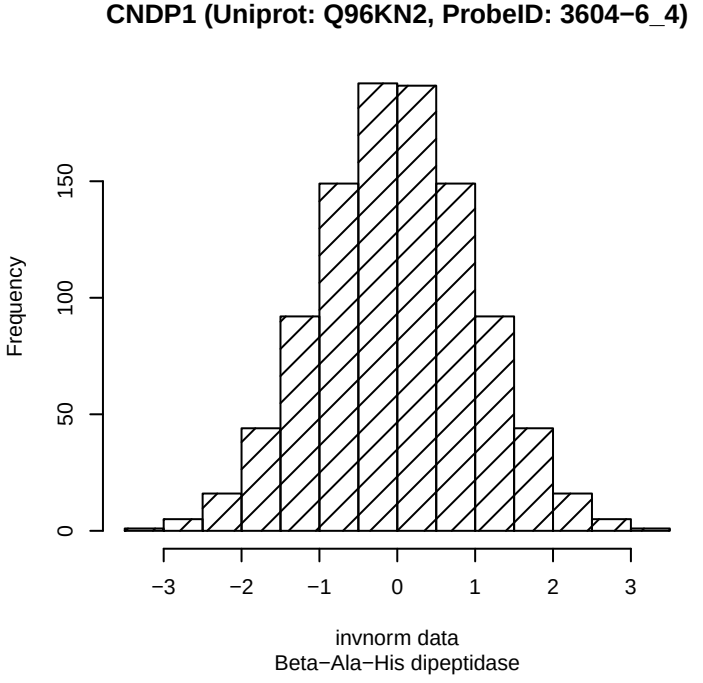

TARC (Uniprot: Q92583, ProbeID: 3519−3_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (837)
G/A (153)
A/A (7)
rs9302690 (Chr16:57442968)
Locus 279 top sentinel (CIS), p=4.2e−15

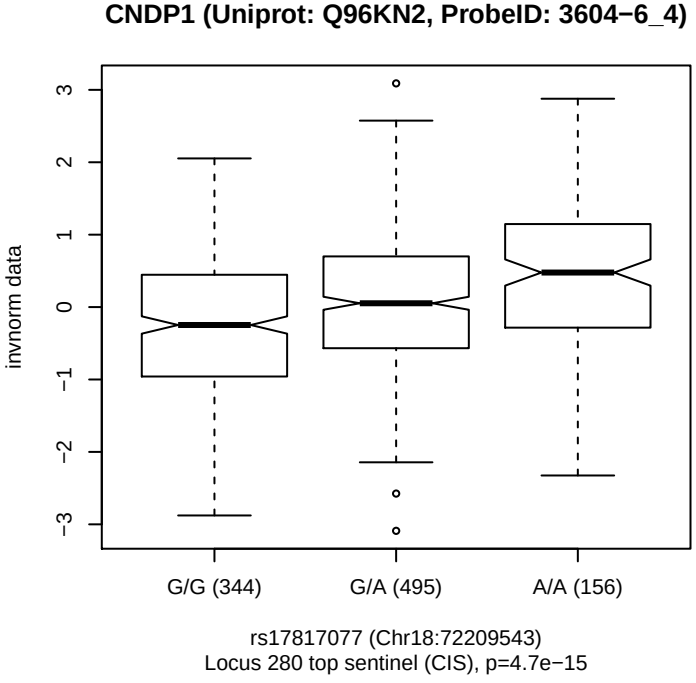

CNDP1 (Uniprot: Q96KN2, ProbeID: 3604−6_4)
Frequency
0
100
200
300
400
0
10000
20000
30000
40000
raw data
Beta−Ala−His dipeptidase


CNDP1 (Uniprot: Q96KN2, ProbeID: 3604−6_4)
raw data
5000
15000
25000
35000
G/G (344)
G/A (495)
A/A (156)
rs17817077 (Chr18:72209543)
Locus 280 top sentinel (CIS), p=4.5e−15

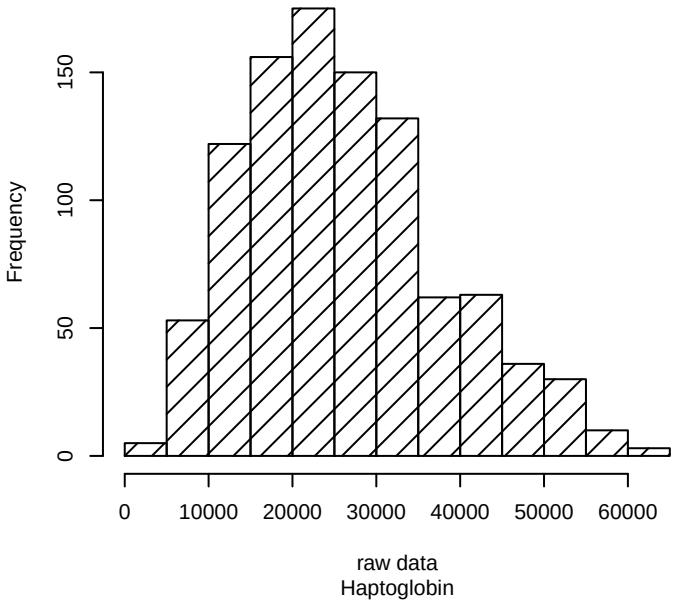

CNDP1 (Uniprot: Q96KN2, ProbeID: 3604−6_4)
Frequency
0
100
200
300
400
12
13
14
15
log2−scaled data
Beta−Ala−His dipeptidase


CNDP1 (Uniprot: Q96KN2, ProbeID: 3604−6_4)
log2−scaled data
12.0
12.5
13.0
13.5
14.0
14.5
15.0
G/G (344)
G/A (495)
A/A (156)
rs17817077 (Chr18:72209543)
Locus 280 top sentinel (CIS), p=7.4e−14, FC=1.0967

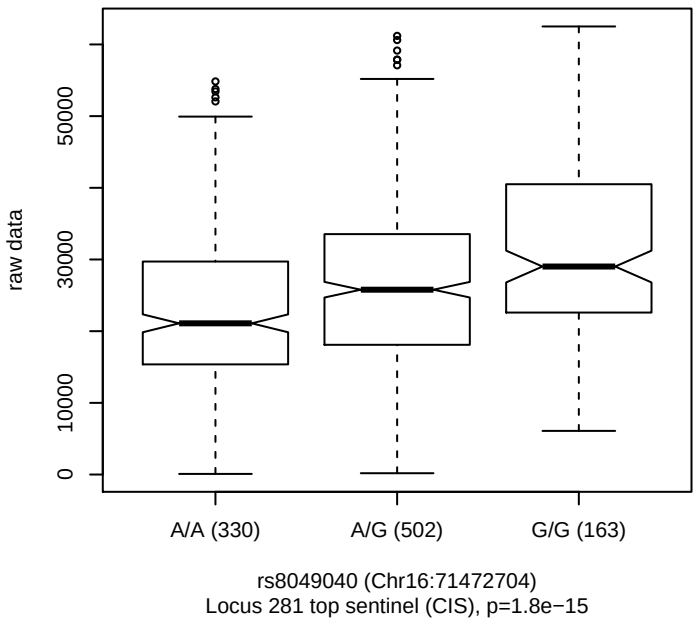

CNDP1 (Uniprot: Q96KN2, ProbeID: 3604−6_4)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Beta−Ala−His dipeptidase


CNDP1 (Uniprot: Q96KN2, ProbeID: 3604−6_4)
invnorm data
−3
−2
−1
0
1
2
3
G/G (344)
G/A (495)
A/A (156)
rs17817077 (Chr18:72209543)
Locus 280 top sentinel (CIS), p=4.7e−15

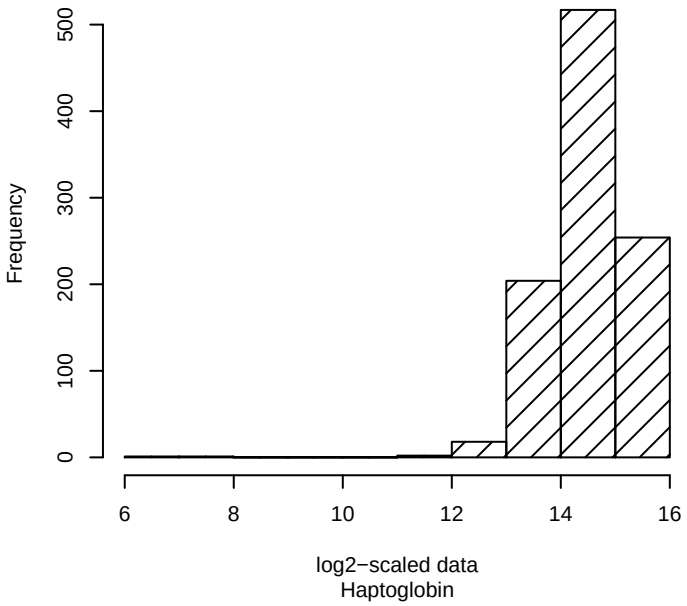
**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1**



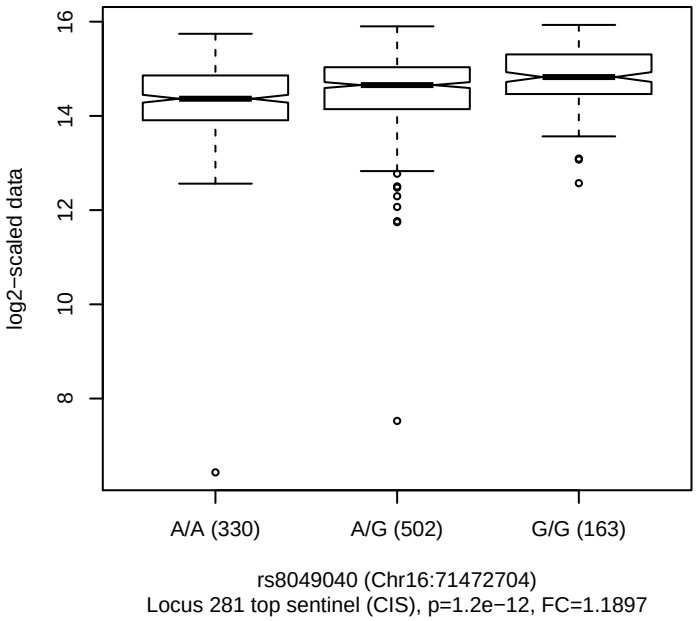

**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1**



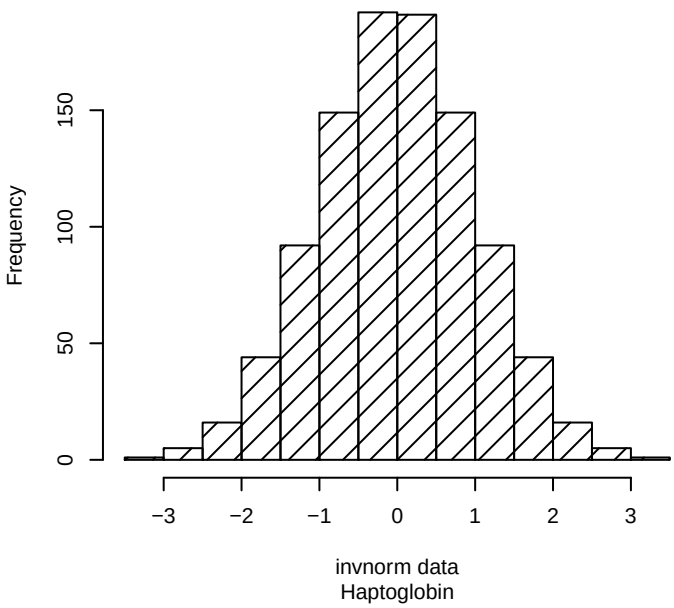

**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1**



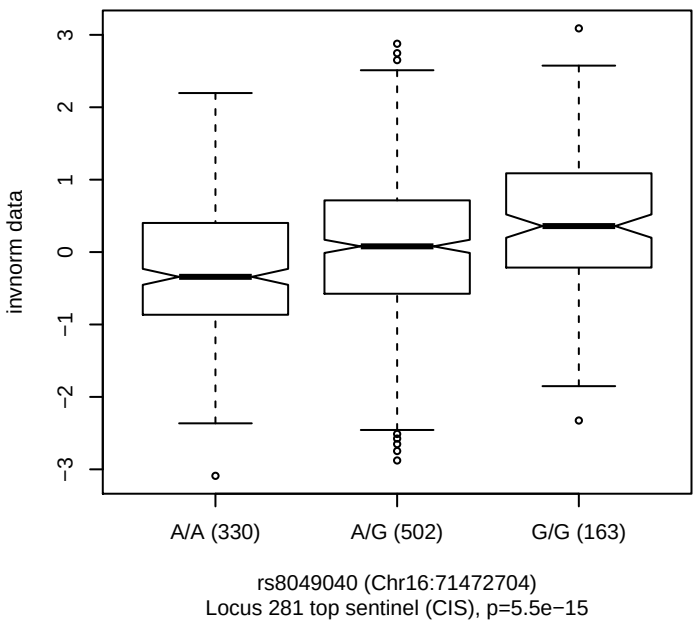

**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1**



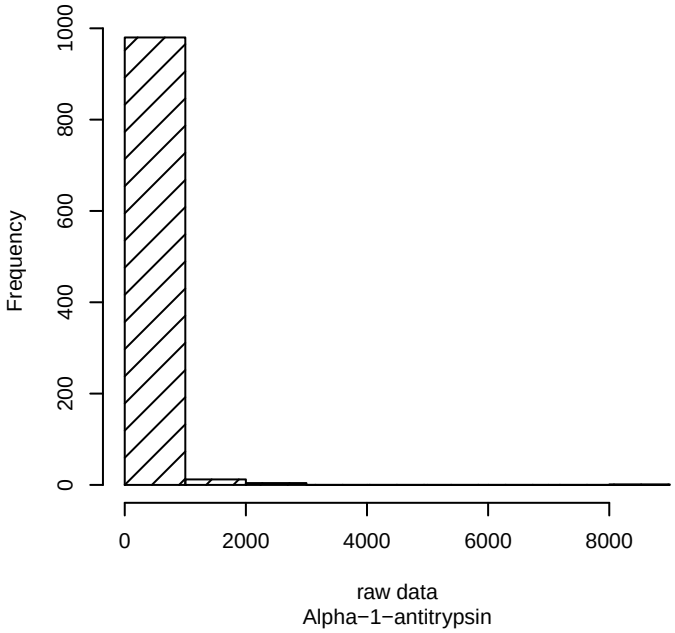

**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1**



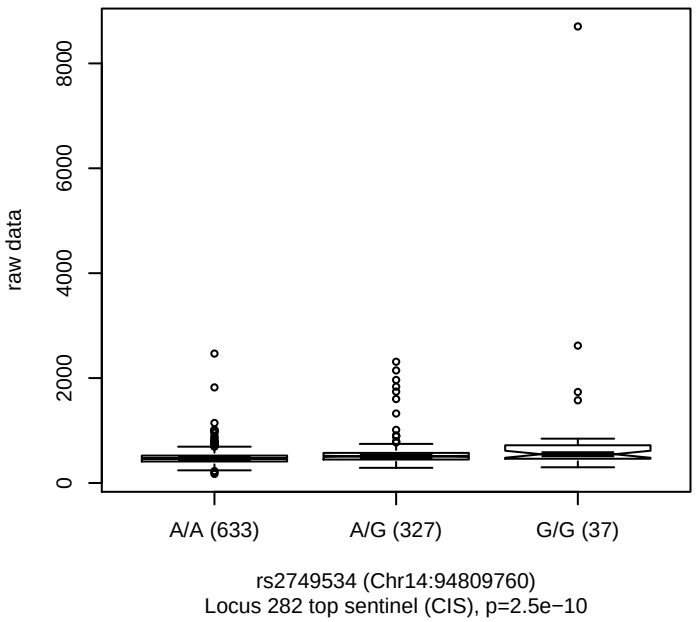

**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1**



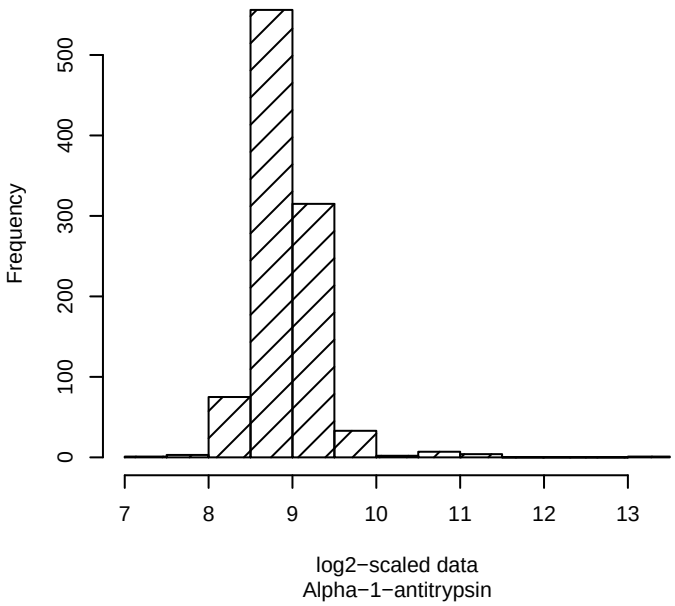
**a1−Antitrypsin (Uniprot: P01009, ProbeID: 3580−25_8)**



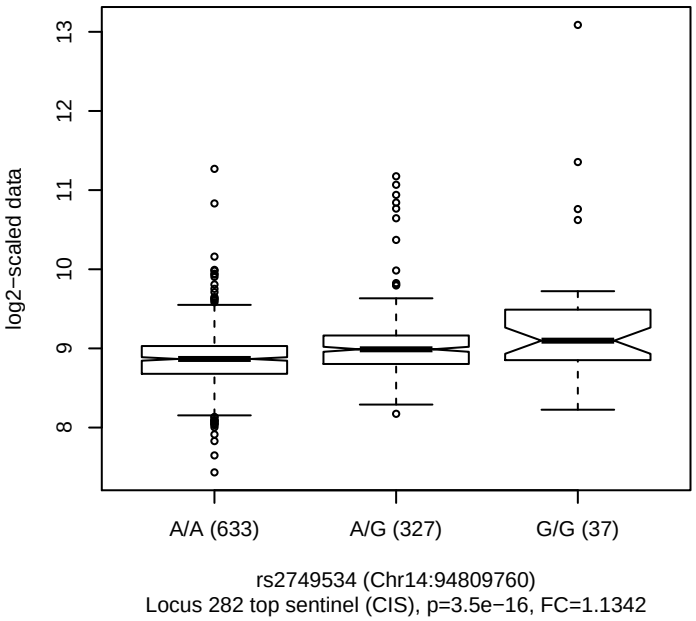

**a1−Antitrypsin (Uniprot: P01009, ProbeID: 3580−25_8)**



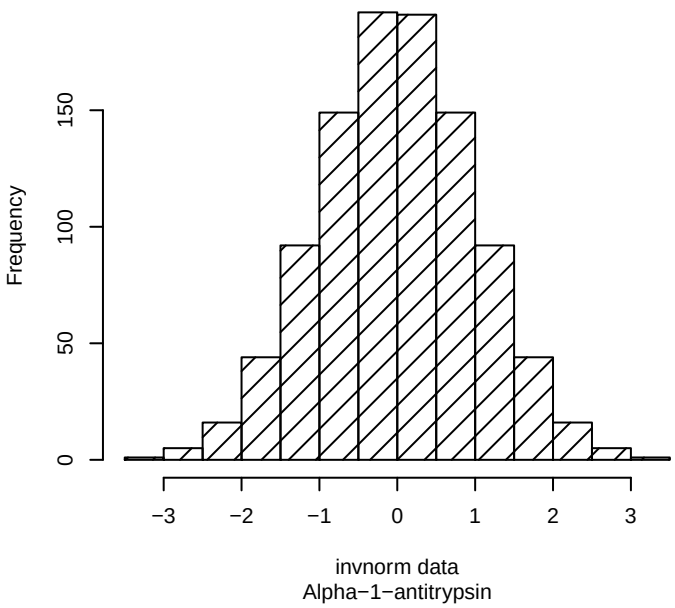

**a1−Antitrypsin (Uniprot: P01009, ProbeID: 3580−25_8)**



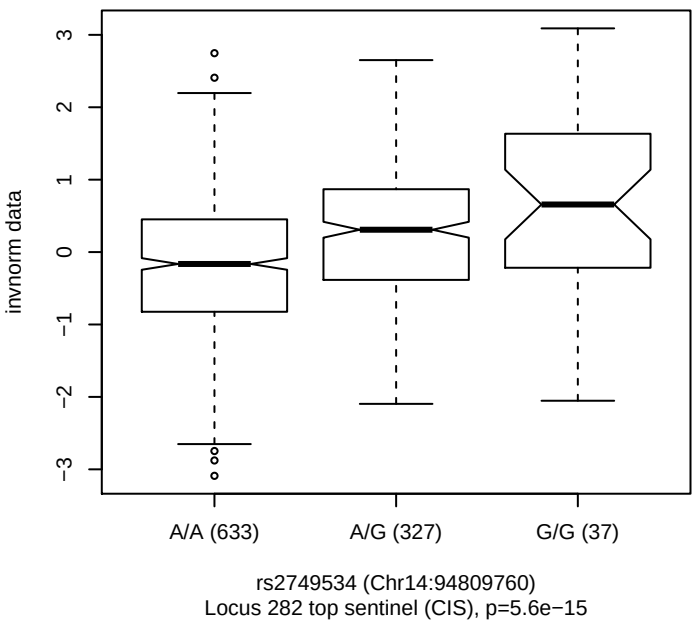

**a1−Antitrypsin (Uniprot: P01009, ProbeID: 3580−25_8)**

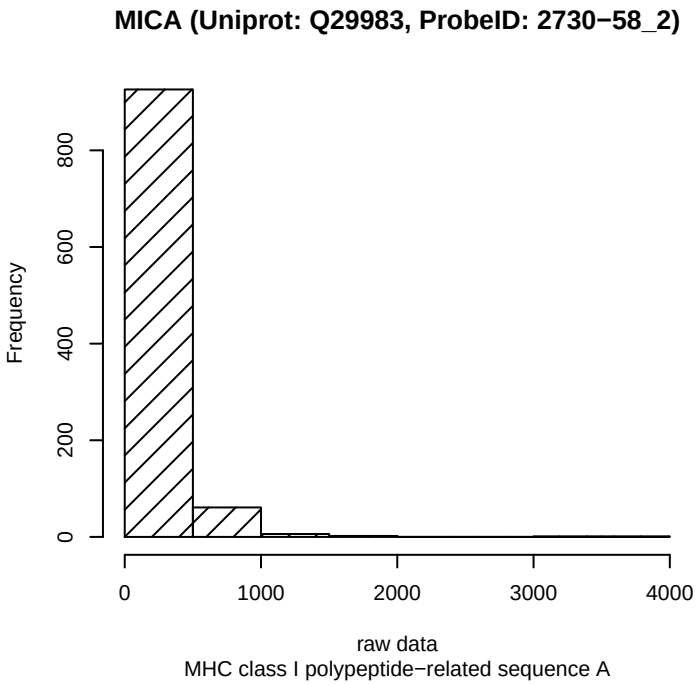


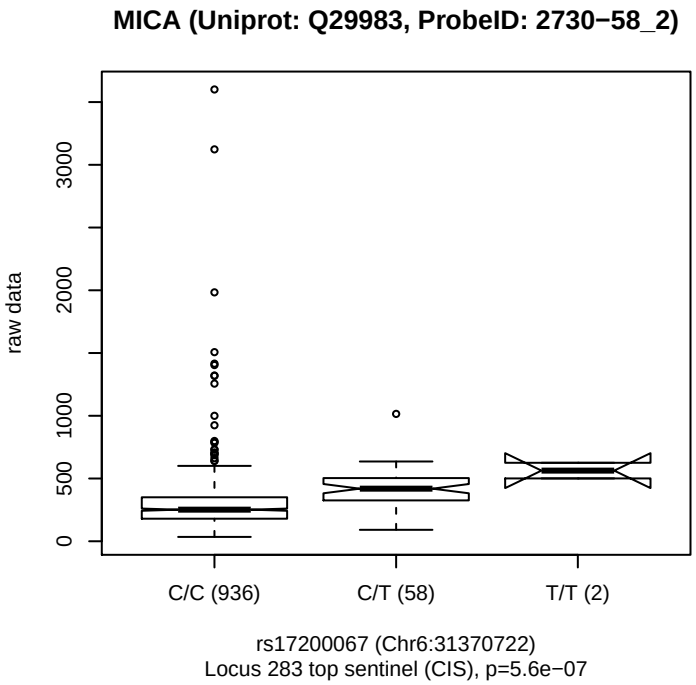

**a1−Antitrypsin (Uniprot: P01009, ProbeID: 3580−25_8)**

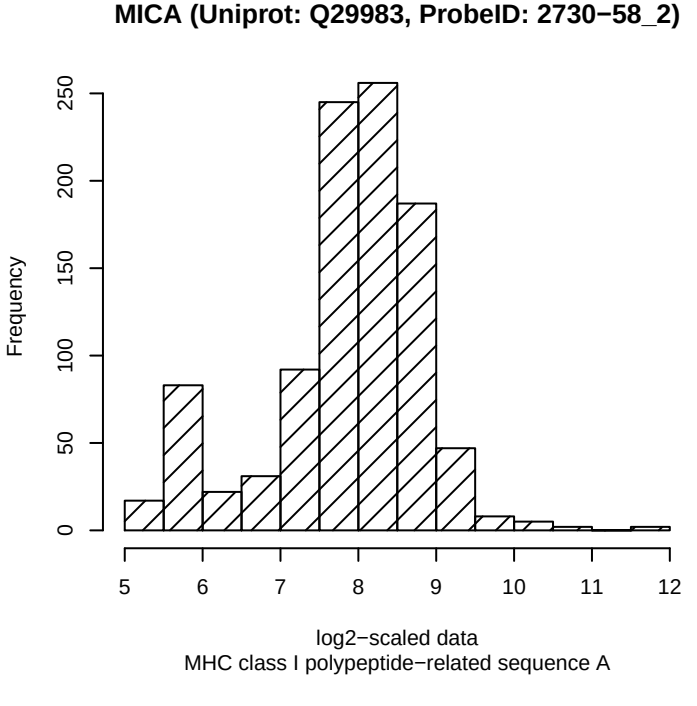


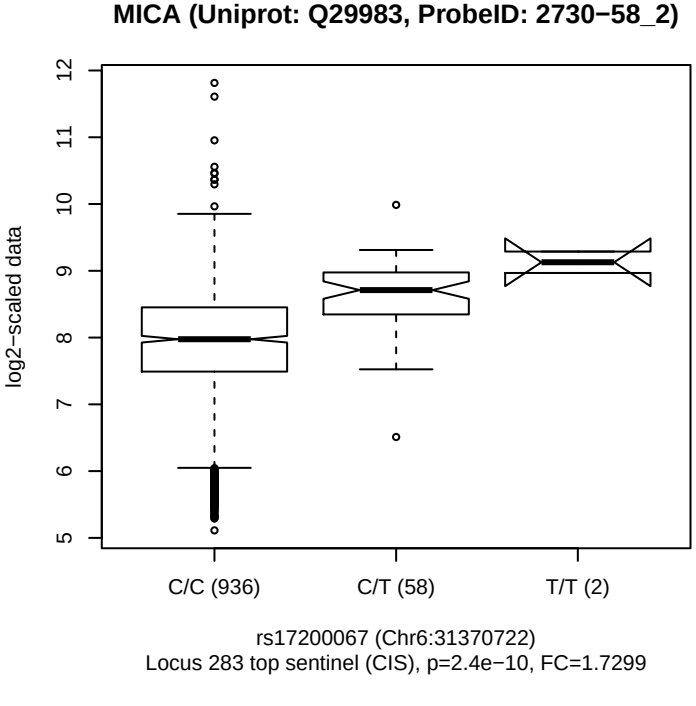

**a1−Antitrypsin (Uniprot: P01009, ProbeID: 3580−25_8)**

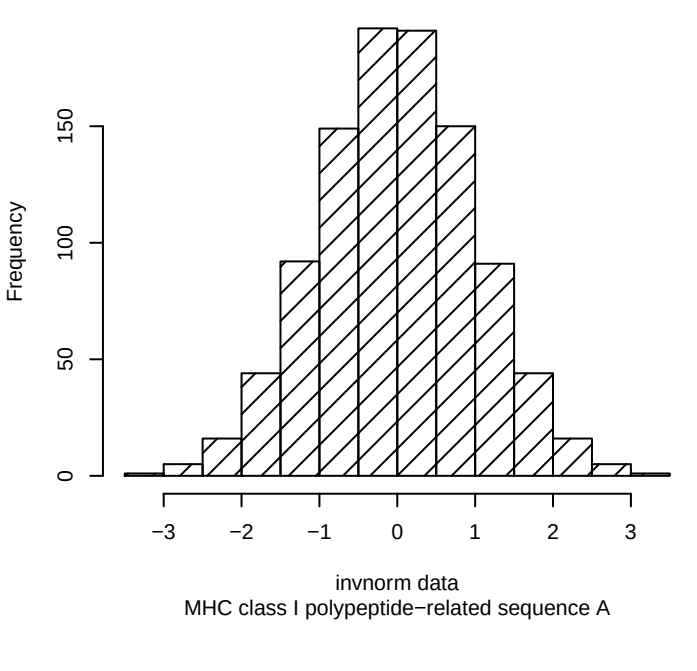


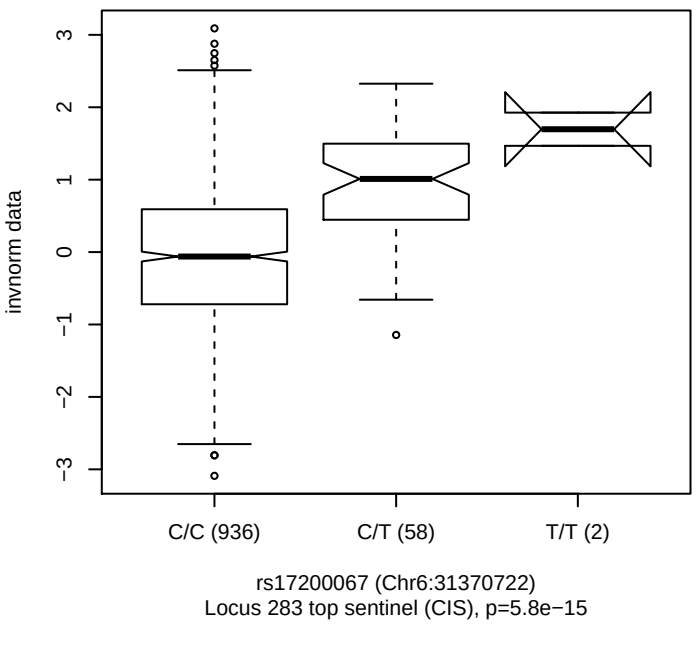

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
200
400
600
800
0
1000
2000
3000
4000
raw data
MHC class I polypeptide−related sequence A

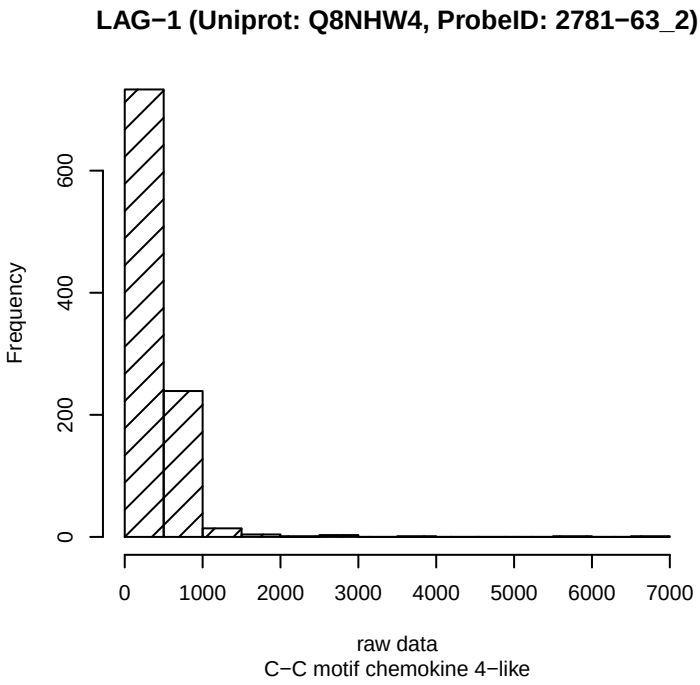

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
raw data
0
500
1000
2000
3000
C/C (936)
C/T (58)
T/T (2)
rs17200067 (Chr6:31370722)
Locus 283 top sentinel (CIS), p=5.6e−07

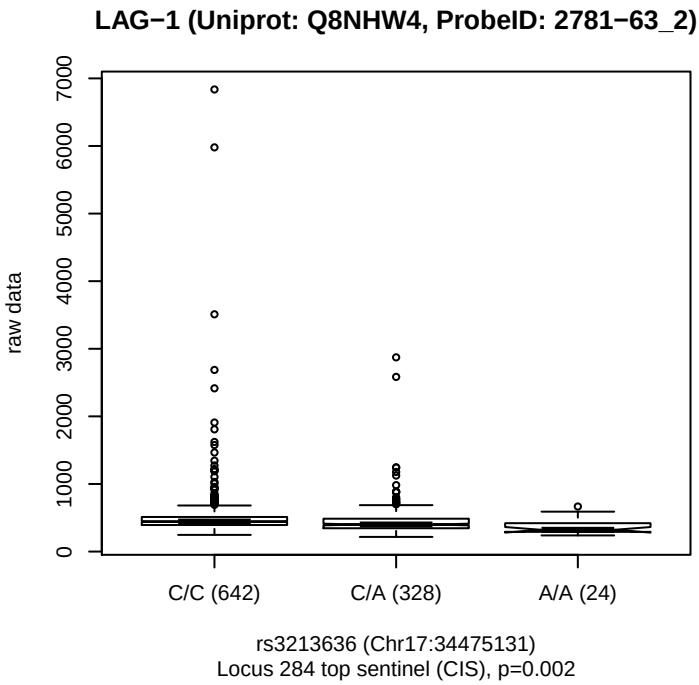

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
200
250
5
6
7
8
9
10
11
12
log2−scaled data
MHC class I polypeptide−related sequence A

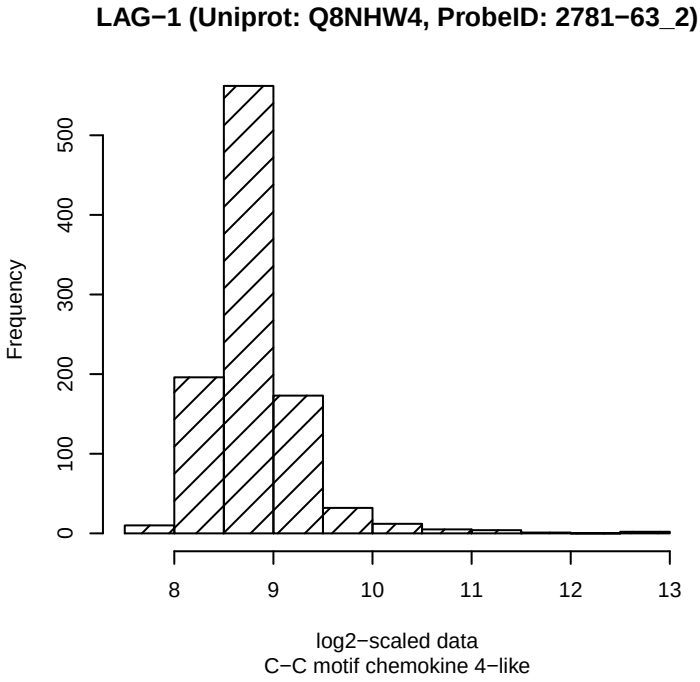

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
log2−scaled data
5
6
7
8
9
10
11
12
C/C (936)
C/T (58)
T/T (2)
rs17200067 (Chr6:31370722)
Locus 283 top sentinel (CIS), p=2.4e−10, FC=1.7299

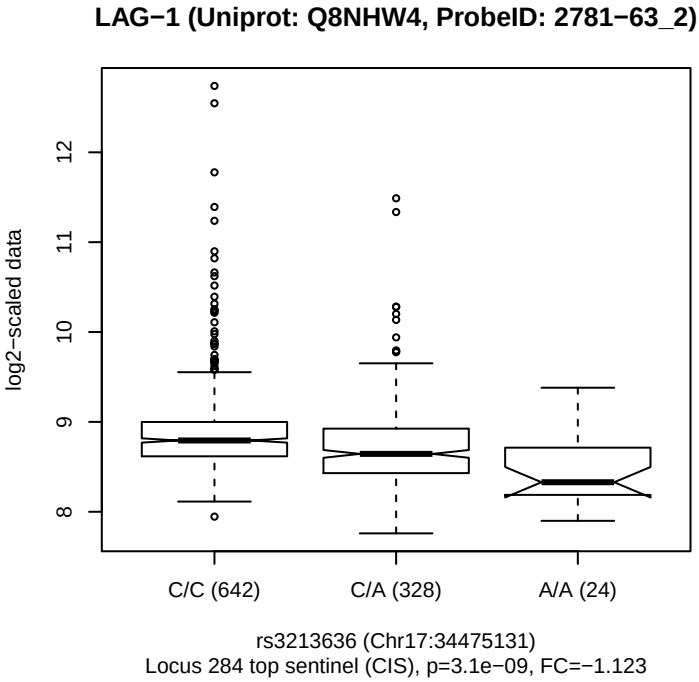

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence A

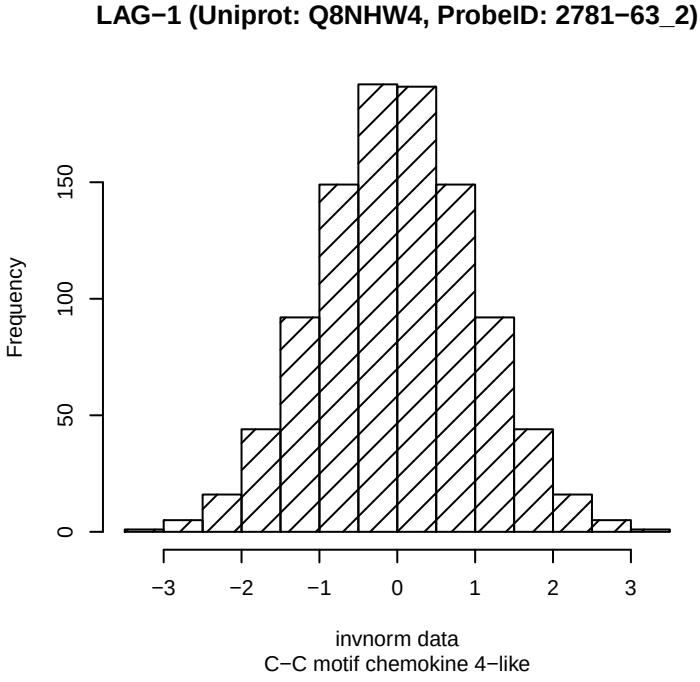

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (936)
C/T (58)
T/T (2)
rs17200067 (Chr6:31370722)
Locus 283 top sentinel (CIS), p=5.8e−15

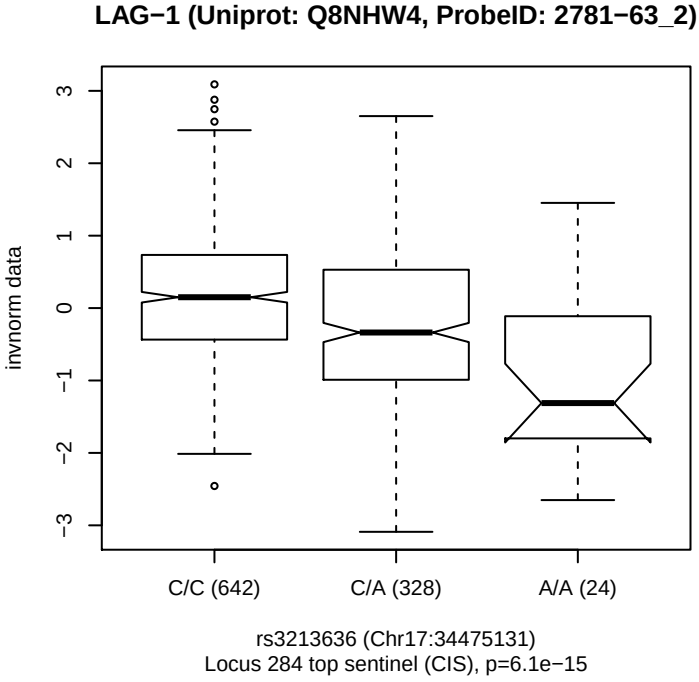

LAG−1 (Uniprot: Q8NHW4, ProbeID: 2781−63_2)
Frequency
0
200
400
600
0
1000
2000
3000
4000
5000
6000
7000
raw data
C−C motif chemokine 4−like

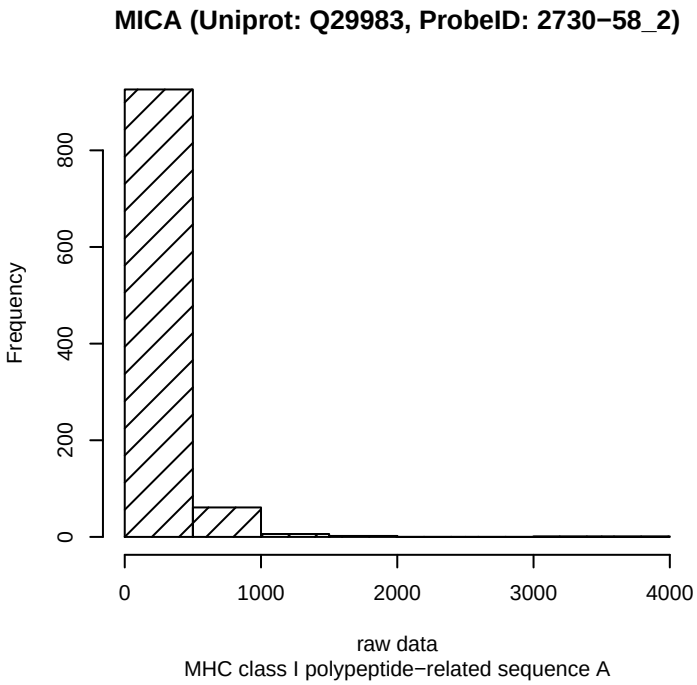

LAG−1 (Uniprot: Q8NHW4, ProbeID: 2781−63_2)
raw data
0
1000
2000
3000
4000
5000
6000
7000
C/C (642)
C/A (328)
A/A (24)
rs3213636 (Chr17:34475131)
Locus 284 top sentinel (CIS), p=0.002

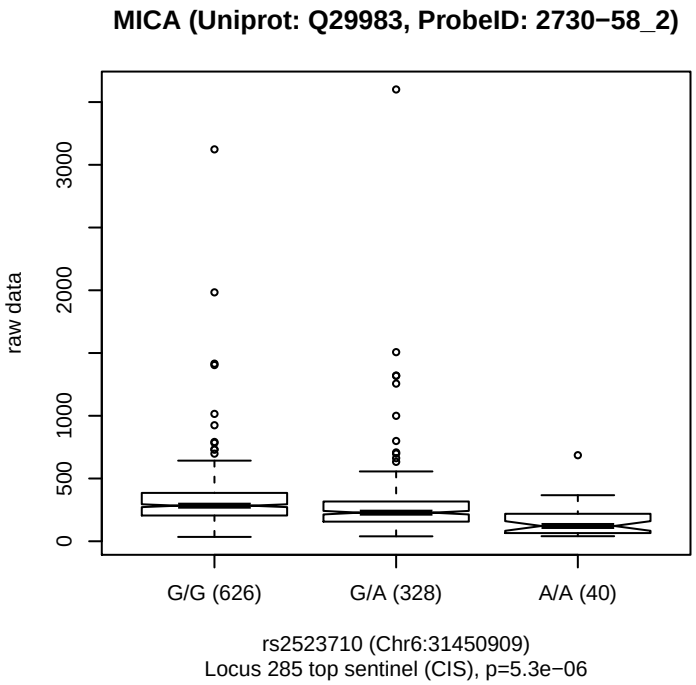

LAG−1 (Uniprot: Q8NHW4, ProbeID: 2781−63_2)
Frequency
0
100
200
300
400
500
8
9
10
11
12
13
log2−scaled data
C−C motif chemokine 4−like

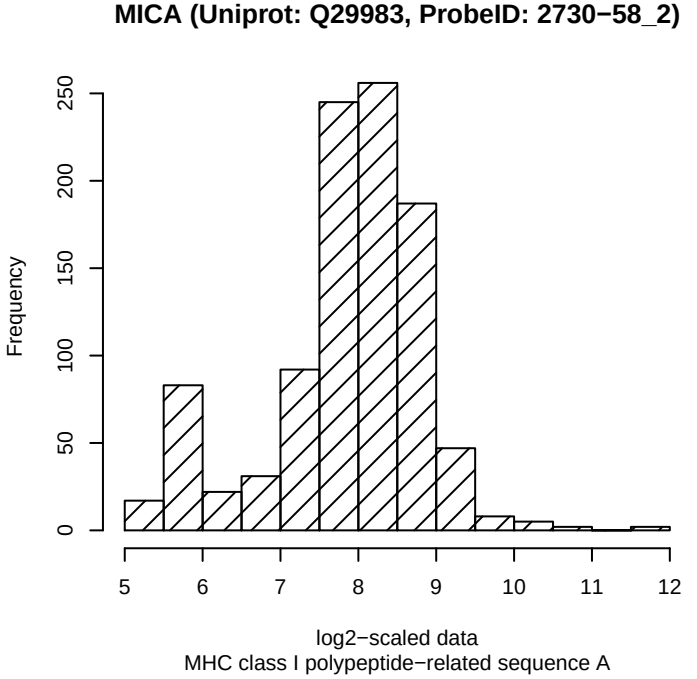

LAG−1 (Uniprot: Q8NHW4, ProbeID: 2781−63_2)
log2−scaled data
8
9
10
11
12
C/C (642)
C/A (328)
A/A (24)
rs3213636 (Chr17:34475131)
Locus 284 top sentinel (CIS), p=3.1e−09, FC=−1.123

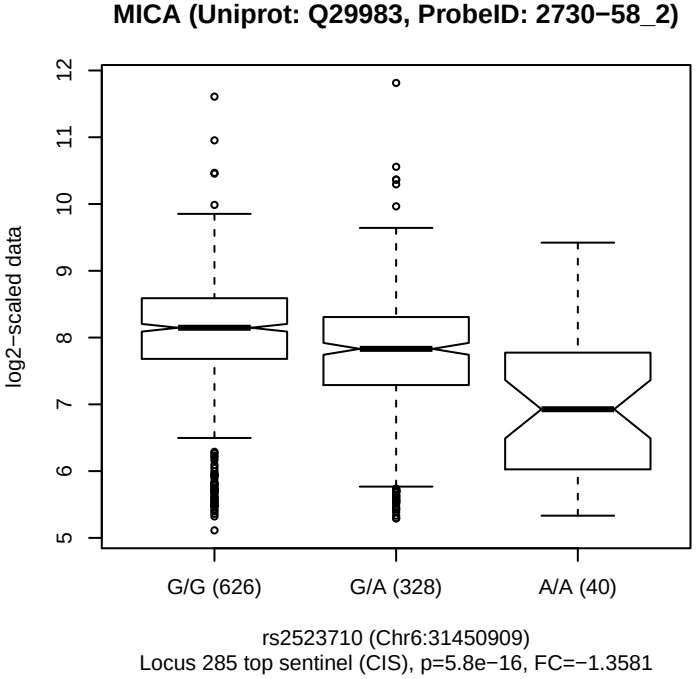

LAG−1 (Uniprot: Q8NHW4, ProbeID: 2781−63_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 4−like

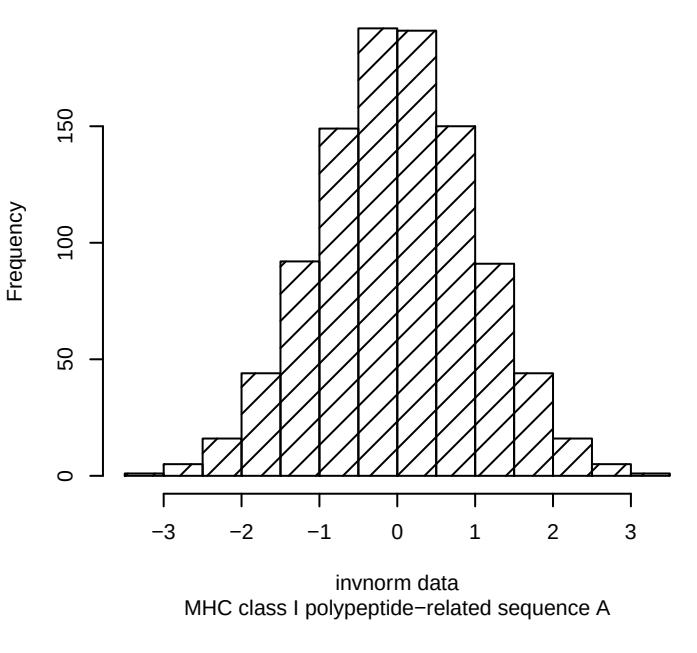

LAG−1 (Uniprot: Q8NHW4, ProbeID: 2781−63_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (642)
C/A (328)
A/A (24)
rs3213636 (Chr17:34475131)
Locus 284 top sentinel (CIS), p=6.1e−15

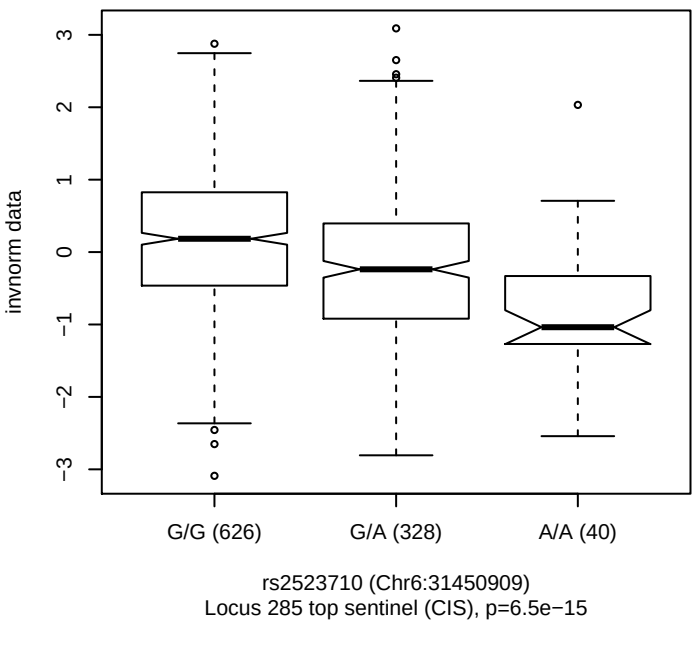

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
200
400
600
800
0
1000
2000
3000
4000
raw data
MHC class I polypeptide−related sequence A

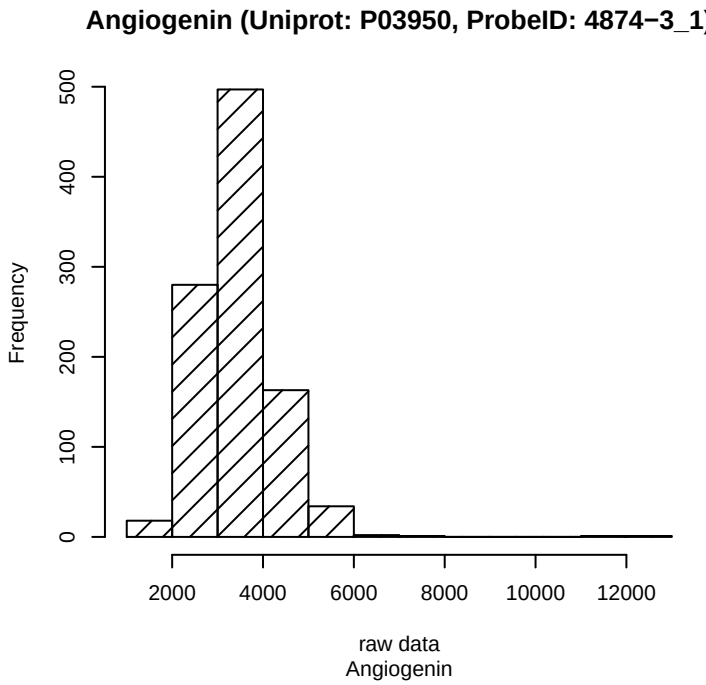

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
raw data
0
500
1000
2000
3000
G/G (626)
G/A (328)
A/A (40)
rs2523710 (Chr6:31450909)
Locus 285 top sentinel (CIS), p=5.3e−06

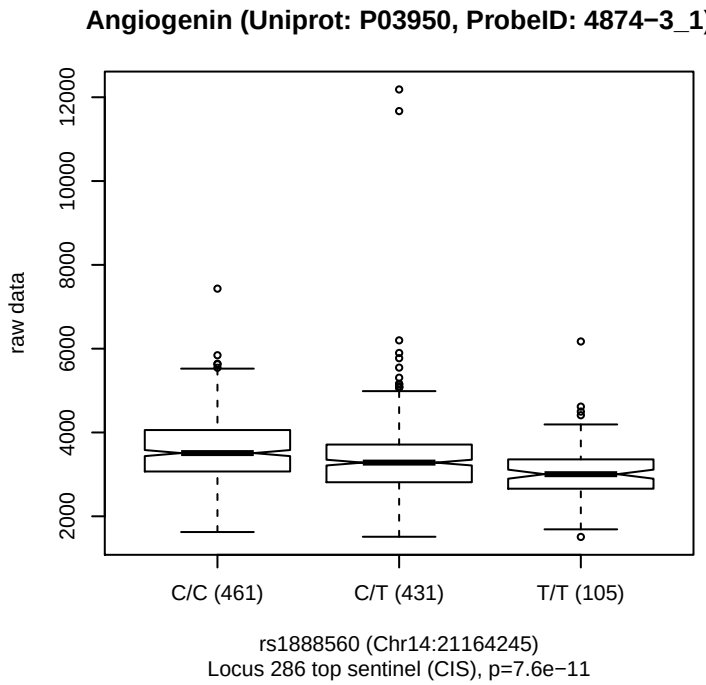

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
200
250
5
6
7
8
9
10
11
12
log2−scaled data
MHC class I polypeptide−related sequence A

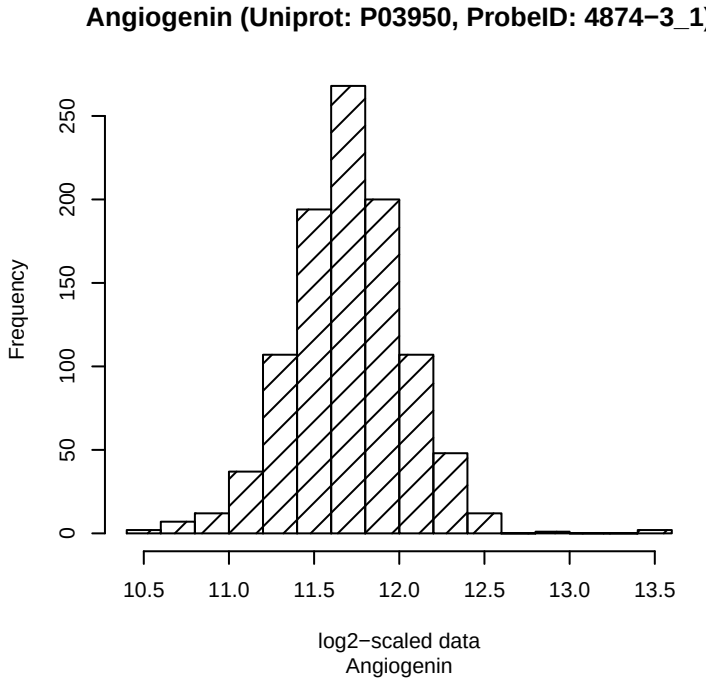

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
log2−scaled data
5
6
7
8
9
10
11
12
G/G (626)
G/A (328)
A/A (40)
rs2523710 (Chr6:31450909)
Locus 285 top sentinel (CIS), p=5.8e−16, FC=−1.3581

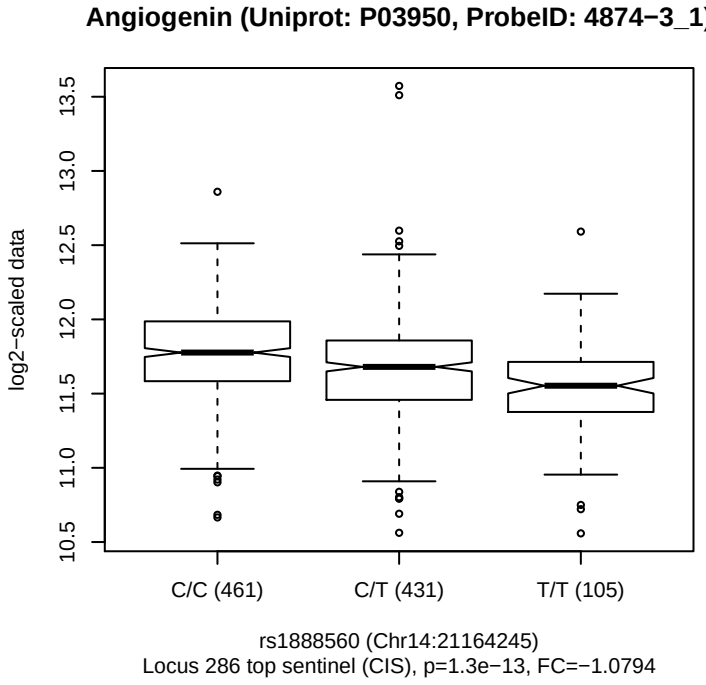

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence A

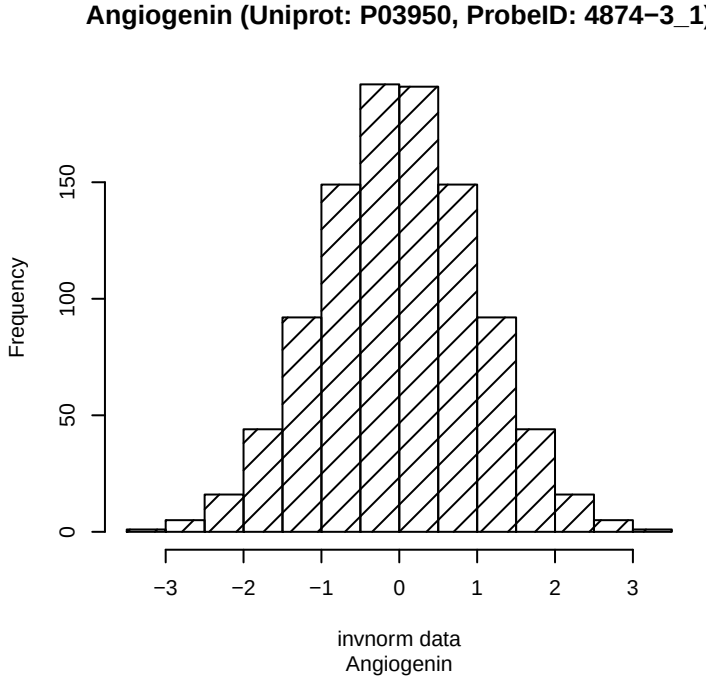

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (626)
G/A (328)
A/A (40)
rs2523710 (Chr6:31450909)
Locus 285 top sentinel (CIS), p=6.5e−15

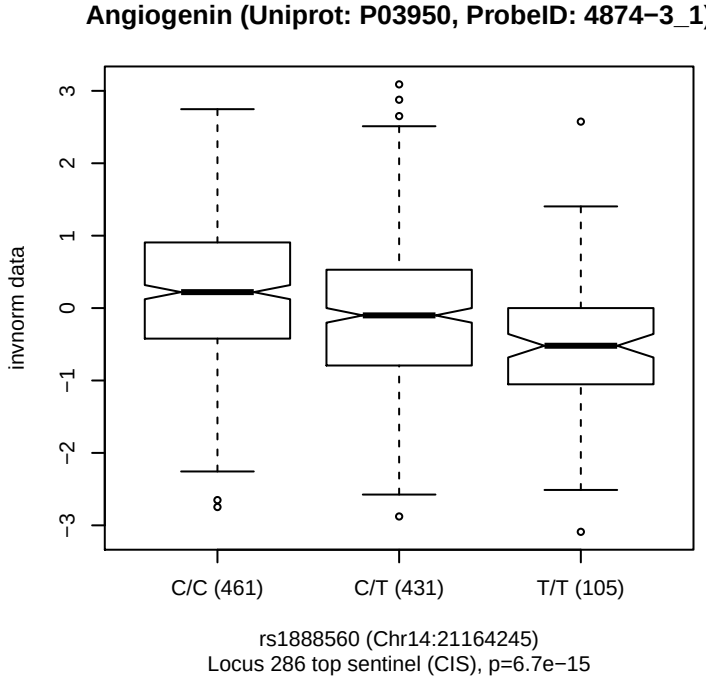

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
Frequency
0
100
200
300
400
500
2000
4000
6000
8000
10000
12000
raw data
Angiogenin

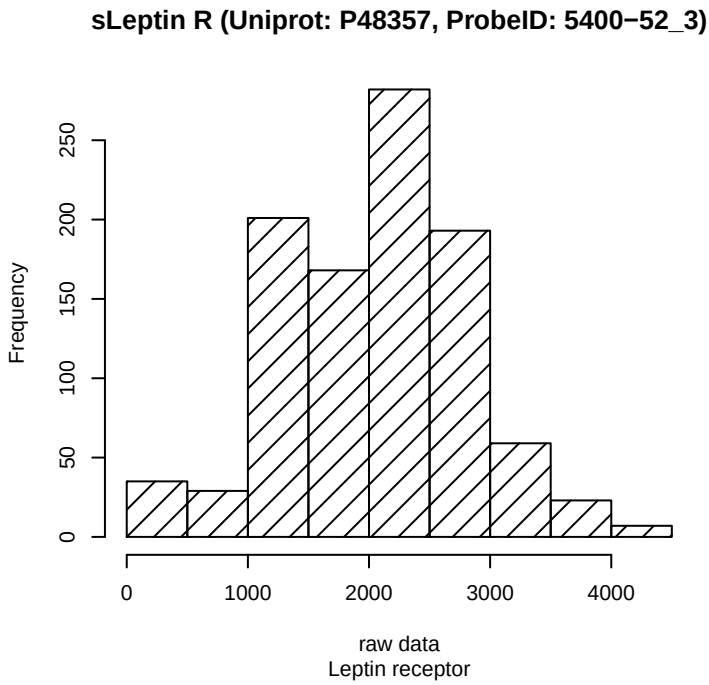

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
raw data
2000
4000
6000
8000
10000
12000
C/C (461)
C/T (431)
T/T (105)
rs1888560 (Chr14:21164245)
Locus 286 top sentinel (CIS), p=7.6e−11

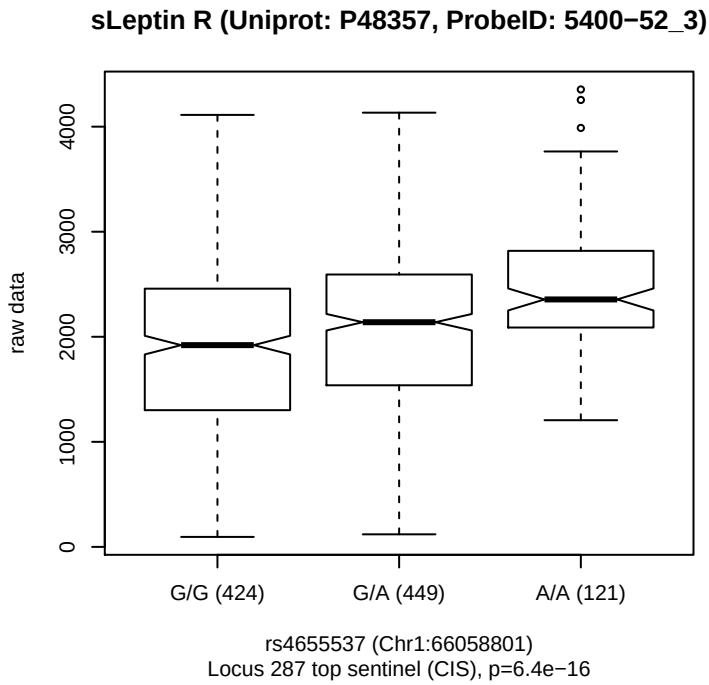

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
Frequency
0
50
100
150
200
250
10.5
11.0
11.5
12.0
12.5
13.0
13.5
log2−scaled data
Angiogenin

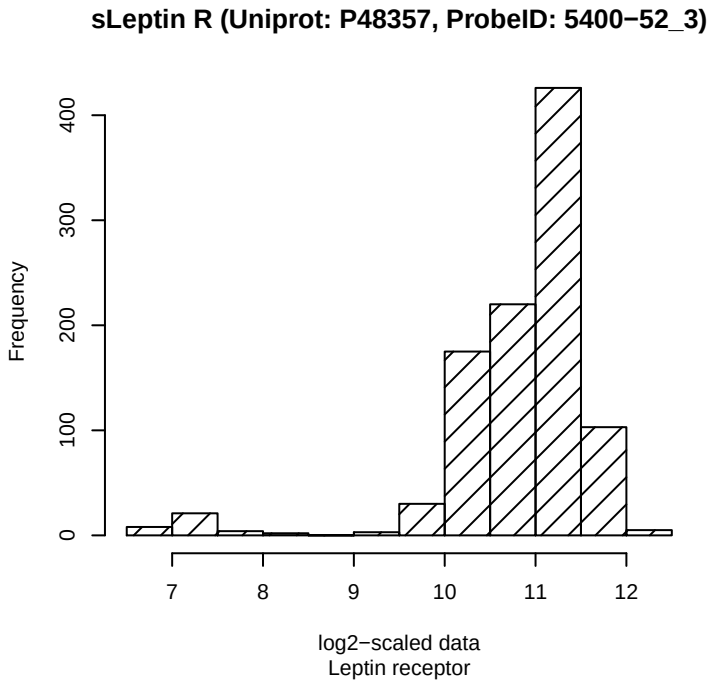

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
log2−scaled data
10.5
11.0
11.5
12.0
12.5
13.0
13.5
C/C (461)
C/T (431)
T/T (105)
rs1888560 (Chr14:21164245)
Locus 286 top sentinel (CIS), p=1.3e−13, FC=−1.0794

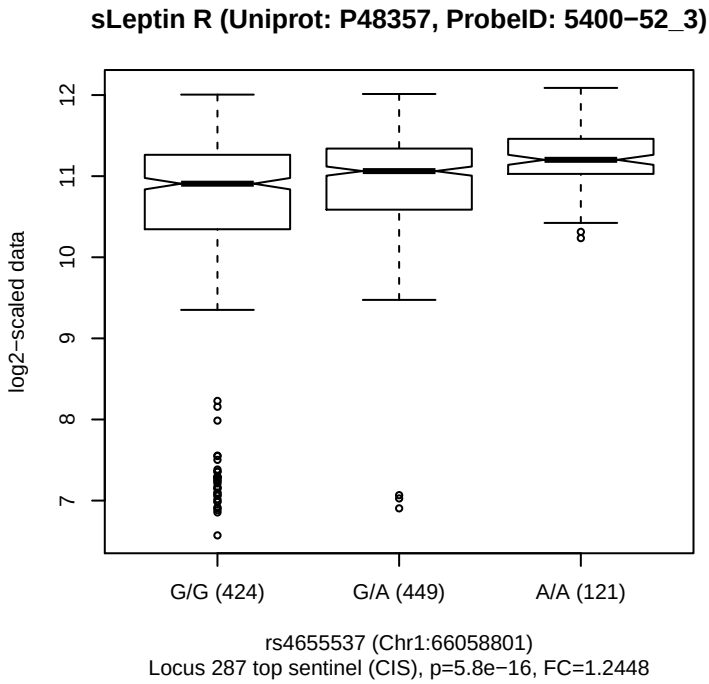

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Angiogenin

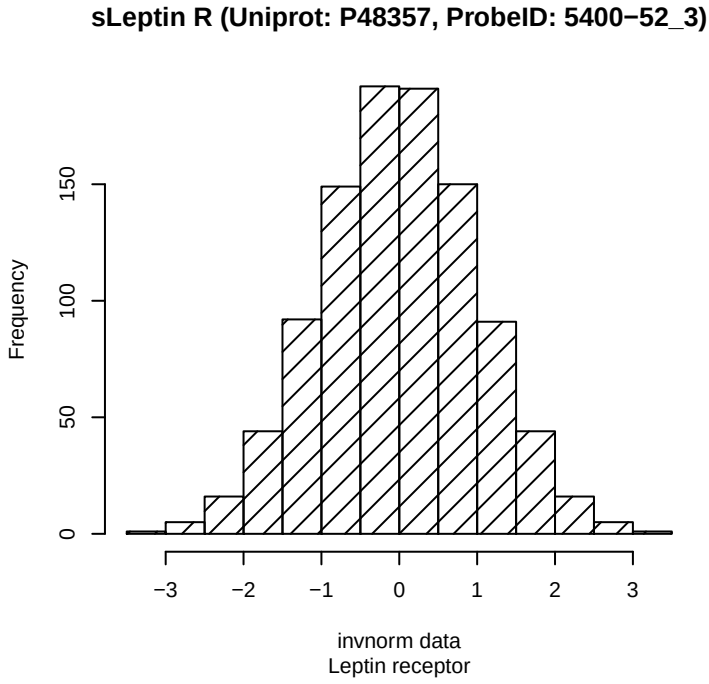

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
invnorm data
−3
−2
−1
0
1
2
3
C/C (461)
C/T (431)
T/T (105)
rs1888560 (Chr14:21164245)
Locus 286 top sentinel (CIS), p=6.7e−15

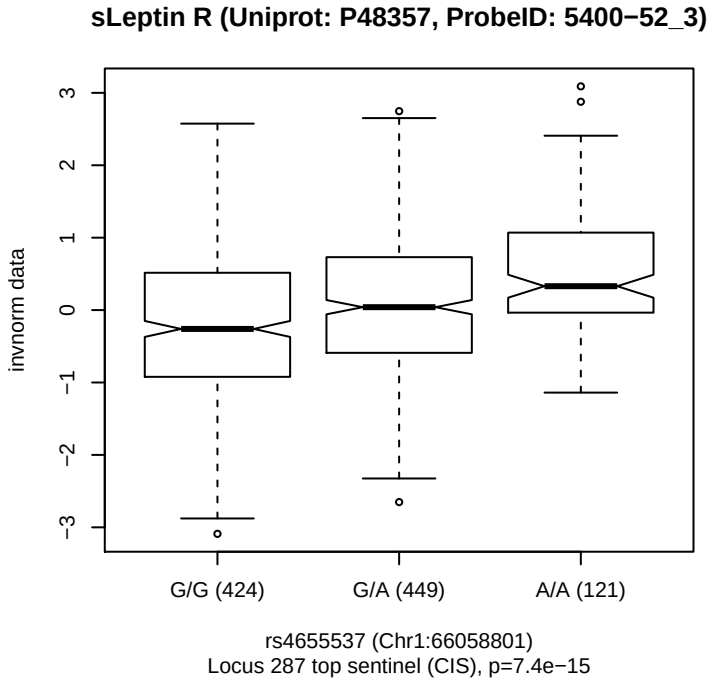

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
Frequency
0
50
100
150
200
250
0
1000
2000
3000
4000
raw data
Leptin receptor

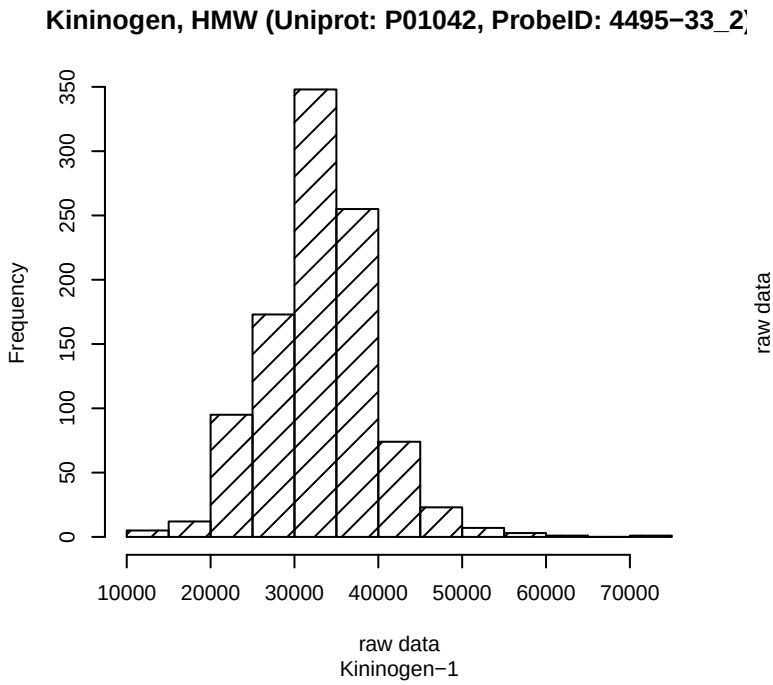

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
raw data
0
1000
2000
3000
4000
G/G (424)
G/A (449)
A/A (121)
rs4655537 (Chr1:66058801)
Locus 287 top sentinel (CIS), p=6.4e−16

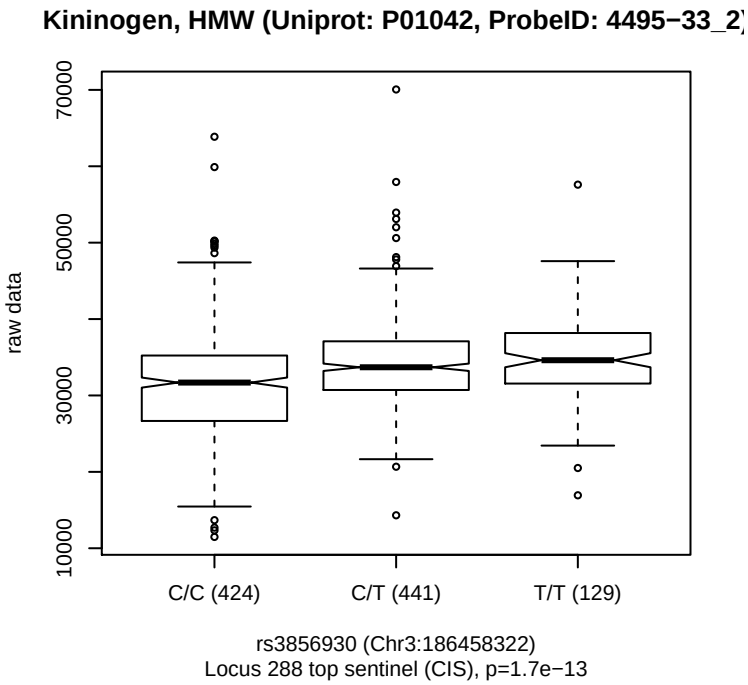

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
Frequency
0
100
200
300
400
7
8
9
10
11
12
log2−scaled data
Leptin receptor

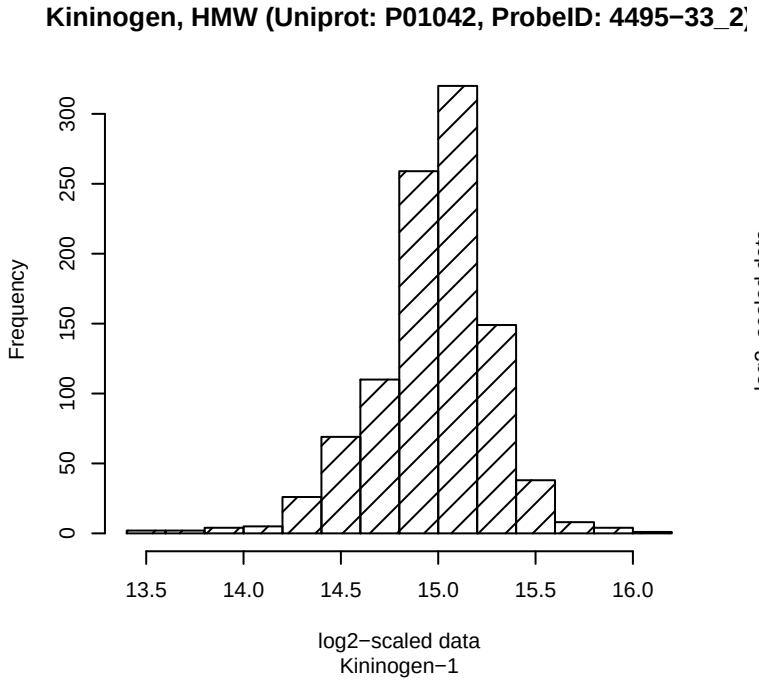

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
log2−scaled data
7
8
9
10
11
12
G/G (424)
G/A (449)
A/A (121)
rs4655537 (Chr1:66058801)
Locus 287 top sentinel (CIS), p=5.8e−16, FC=1.2448

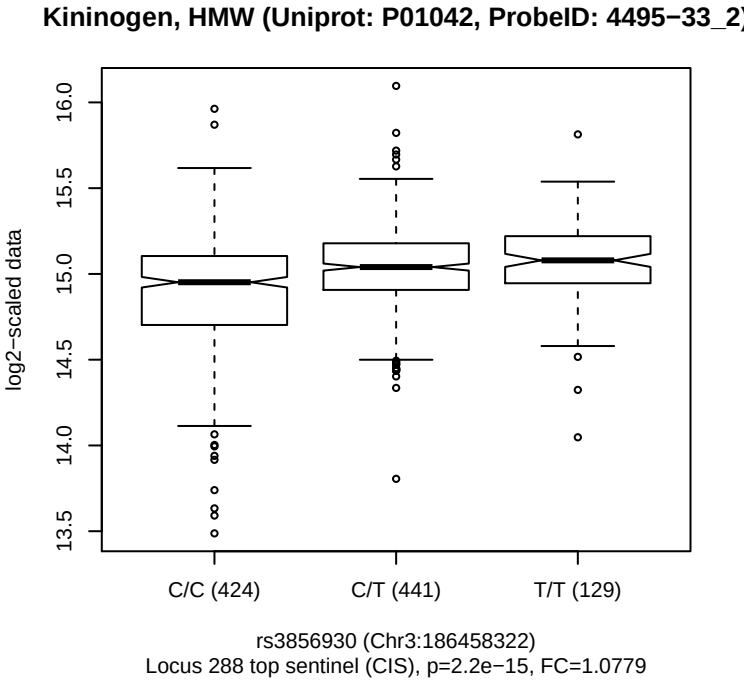

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Leptin receptor

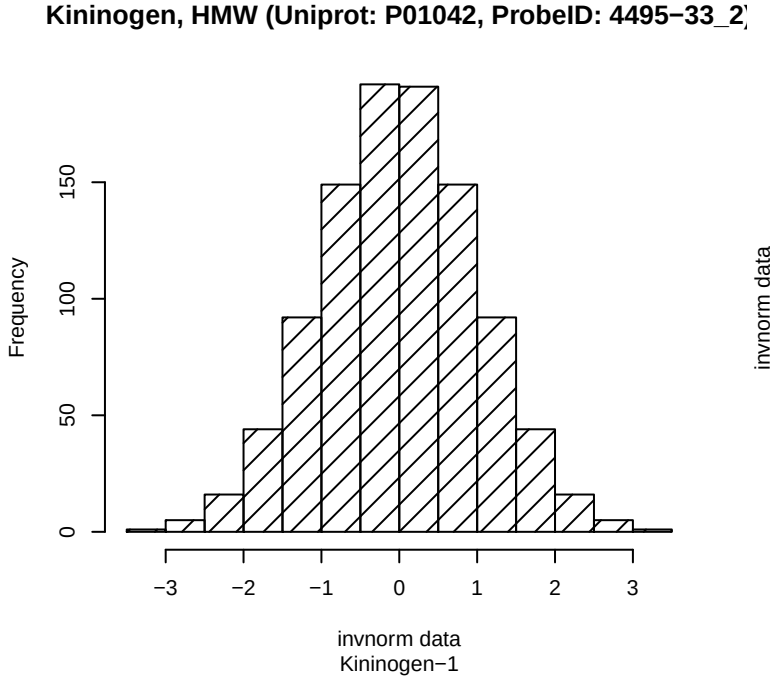

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
invnorm data
−3
−2
−1
0
1
2
3
G/G (424)
G/A (449)
A/A (121)
rs4655537 (Chr1:66058801)
Locus 287 top sentinel (CIS), p=7.4e−15

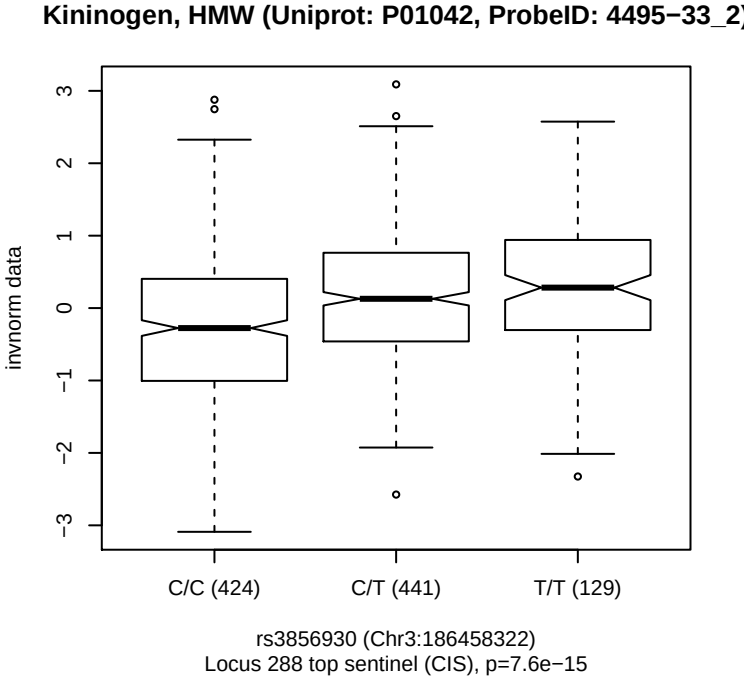

Kininogen, HMW (Uniprot: P01042, ProbeID: 4495−33_2)
Frequency
0
50
100
150
200
250
300
350
10000
20000
30000
40000
50000
60000
70000
raw data
Kininogen−1


Kininogen, HMW (Uniprot: P01042, ProbeID: 4495−33_2)
raw data
10000
30000
50000
70000
C/C (424)
C/T (441)
T/T (129)
rs3856930 (Chr3:186458322)
Locus 288 top sentinel (CIS), p=1.7e−13

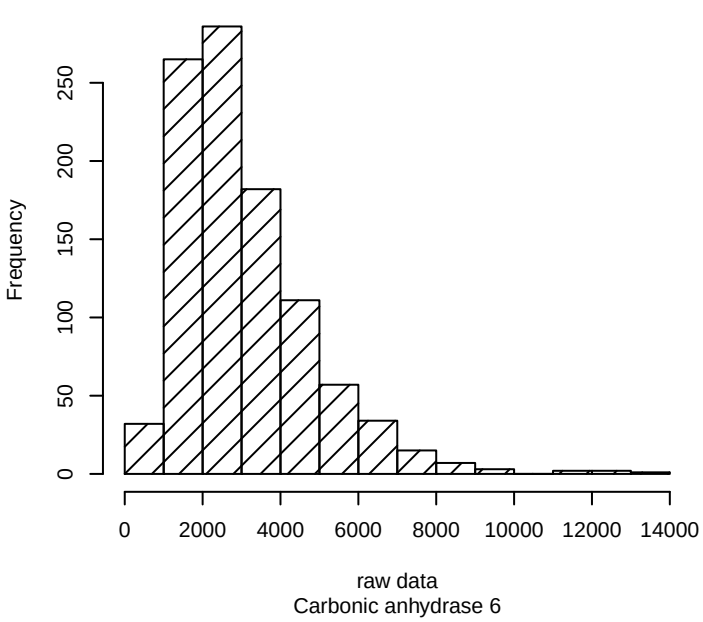

Kininogen, HMW (Uniprot: P01042, ProbeID: 4495−33_2)
Frequency
0
50
100
150
200
250
300
13.5
14.0
14.5
15.0
15.5
16.0
log2−scaled data
Kininogen−1


Kininogen, HMW (Uniprot: P01042, ProbeID: 4495−33_2)
log2−scaled data
13.5
14.0
14.5
15.0
15.5
16.0
C/C (424)
C/T (441)
T/T (129)
rs3856930 (Chr3:186458322)
Locus 288 top sentinel (CIS), p=2.2e−15, FC=1.0779

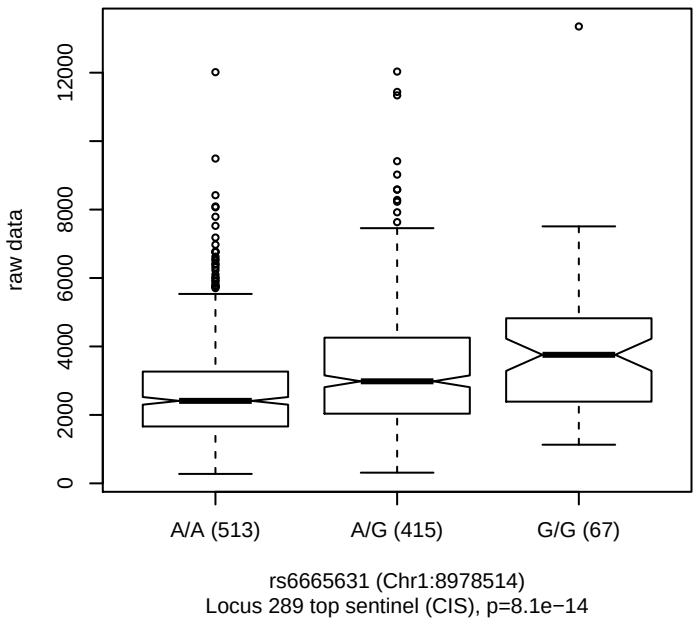

Kininogen, HMW (Uniprot: P01042, ProbeID: 4495−33_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Kininogen−1


Kininogen, HMW (Uniprot: P01042, ProbeID: 4495−33_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (424)
C/T (441)
T/T (129)
rs3856930 (Chr3:186458322)
Locus 288 top sentinel (CIS), p=7.6e−15

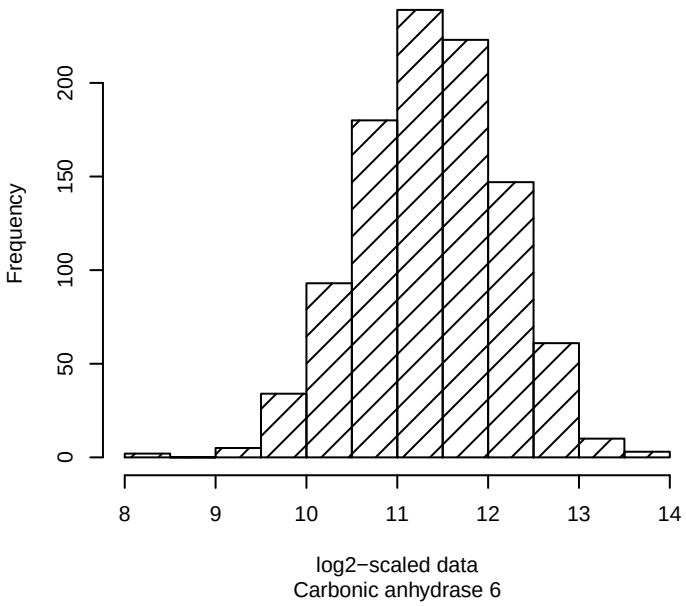
**Carbonic anhydrase 6 (Uniprot: P23280, ProbeID: 3352−80**



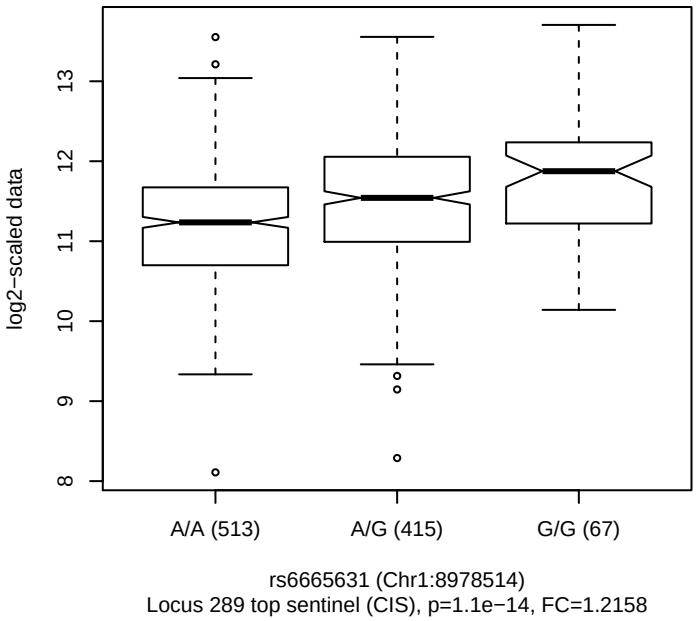

**Carbonic anhydrase 6 (Uniprot: P23280, ProbeID: 3352−80**



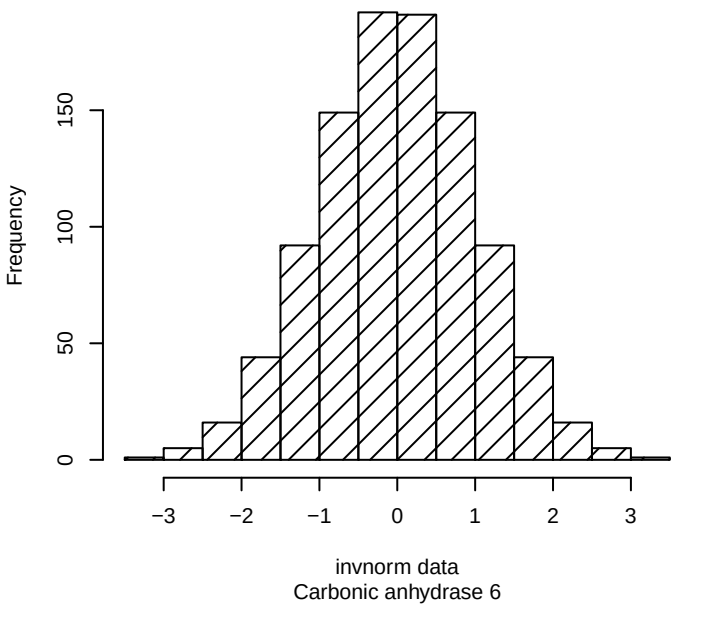

**Carbonic anhydrase 6 (Uniprot: P23280, ProbeID: 3352−80**



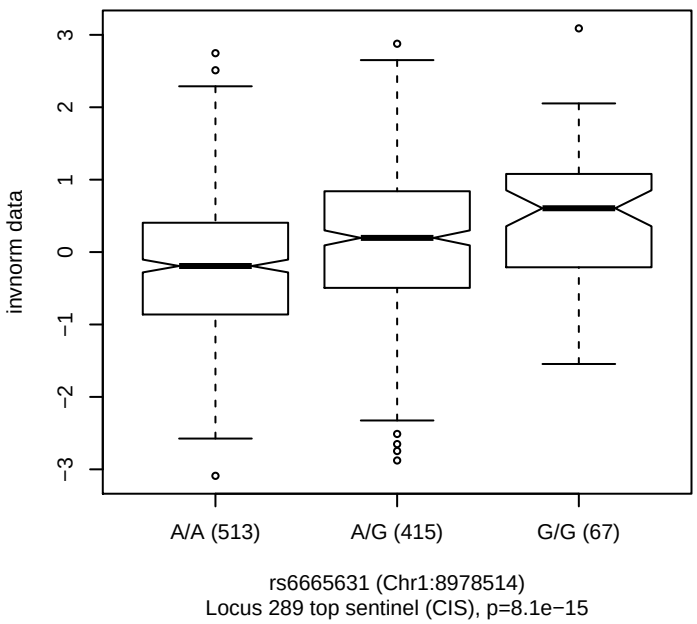

**Carbonic anhydrase 6 (Uniprot: P23280, ProbeID: 3352−80**

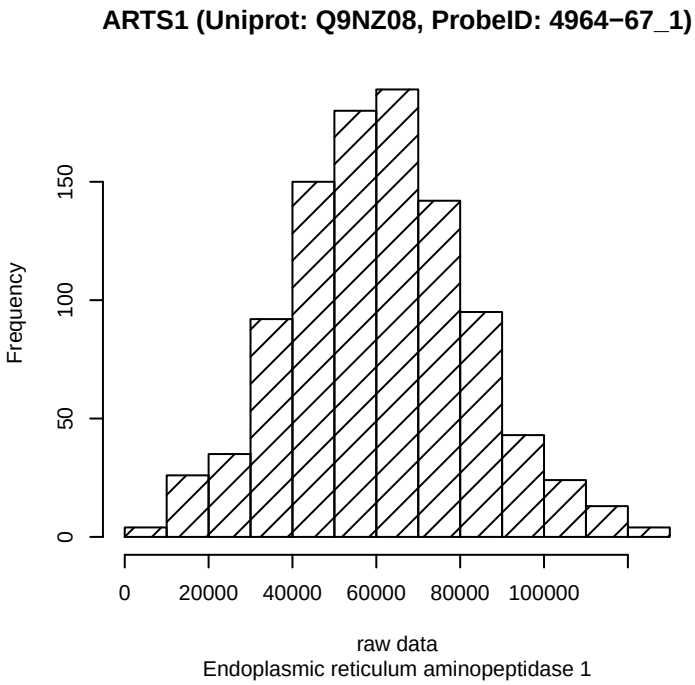


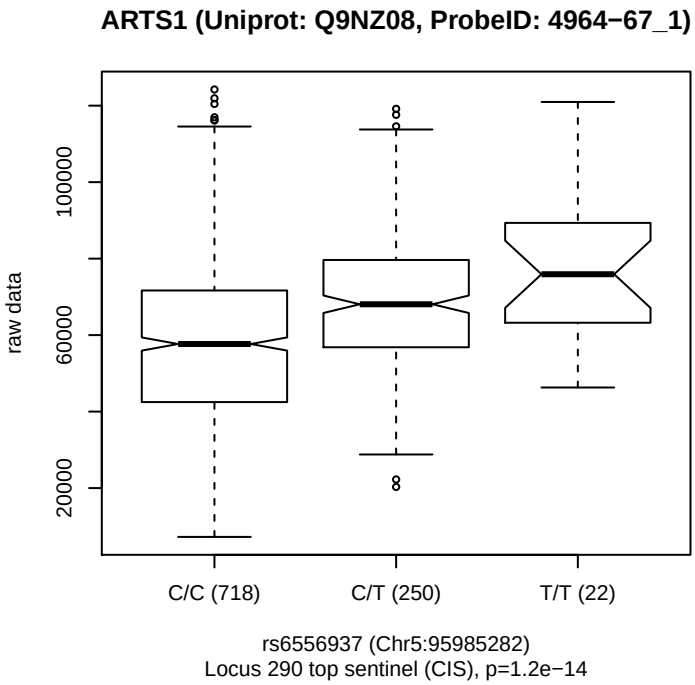

**Carbonic anhydrase 6 (Uniprot: P23280, ProbeID: 3352−80**

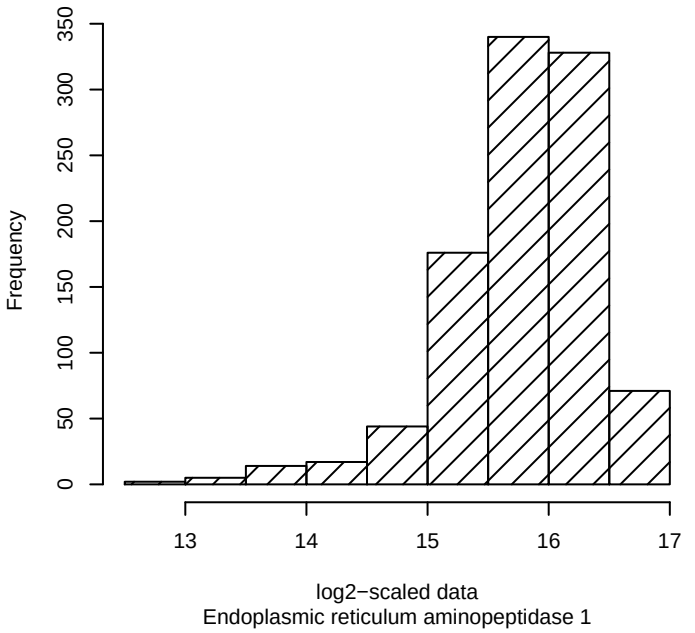


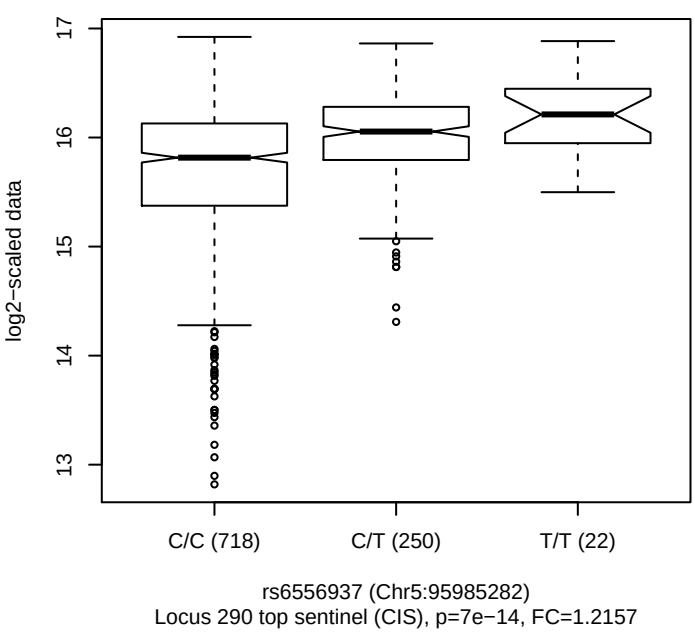

**Carbonic anhydrase 6 (Uniprot: P23280, ProbeID: 3352−80**

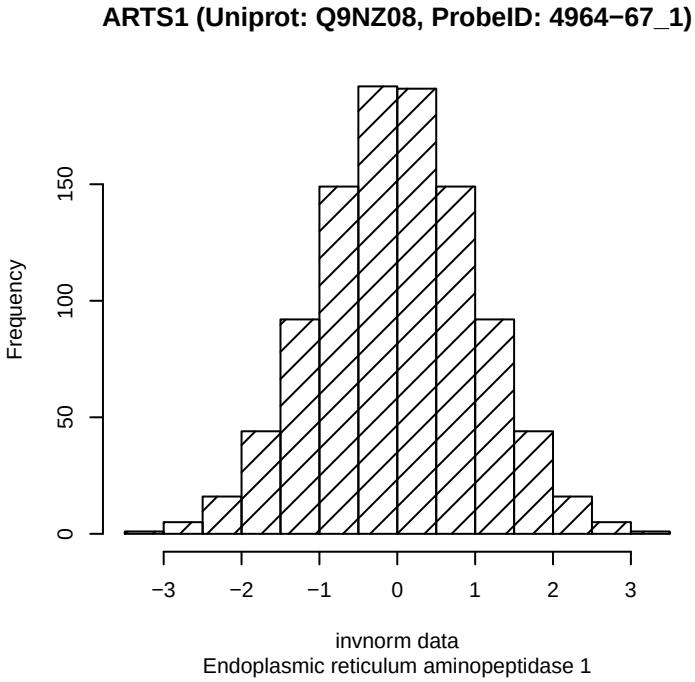


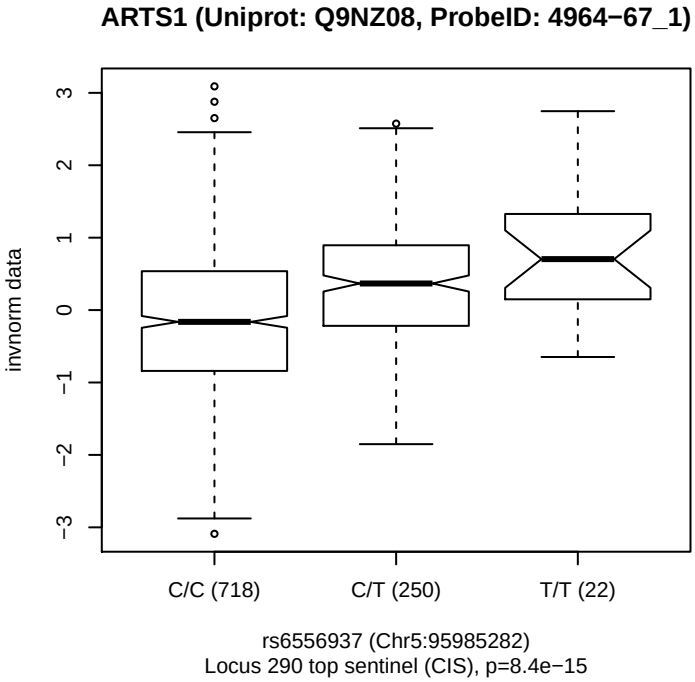

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
Frequency
0
50
100
150
0
20000
40000
60000
80000
100000
raw data
Endoplasmic reticulum aminopeptidase 1

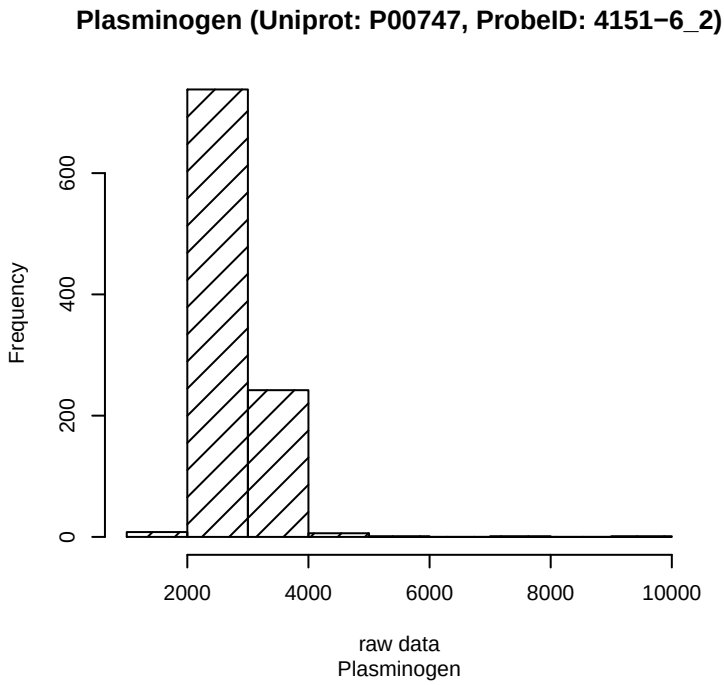

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
raw data
20000
60000
100000
C/C (718)
C/T (250)
T/T (22)
rs6556937 (Chr5:95985282)
Locus 290 top sentinel (CIS), p=1.2e−14

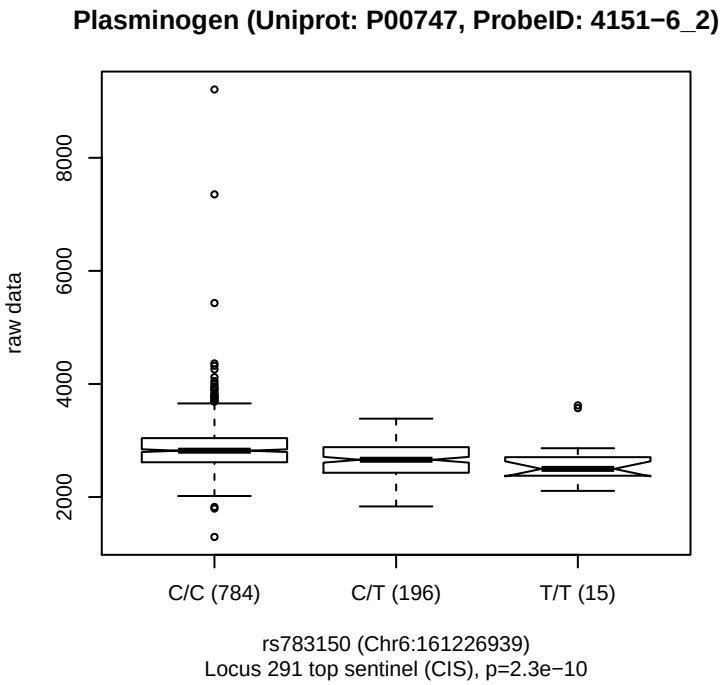

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
Frequency
0
50
100
150
200
250
300
350
13
14
15
16
17
log2−scaled data
Endoplasmic reticulum aminopeptidase 1

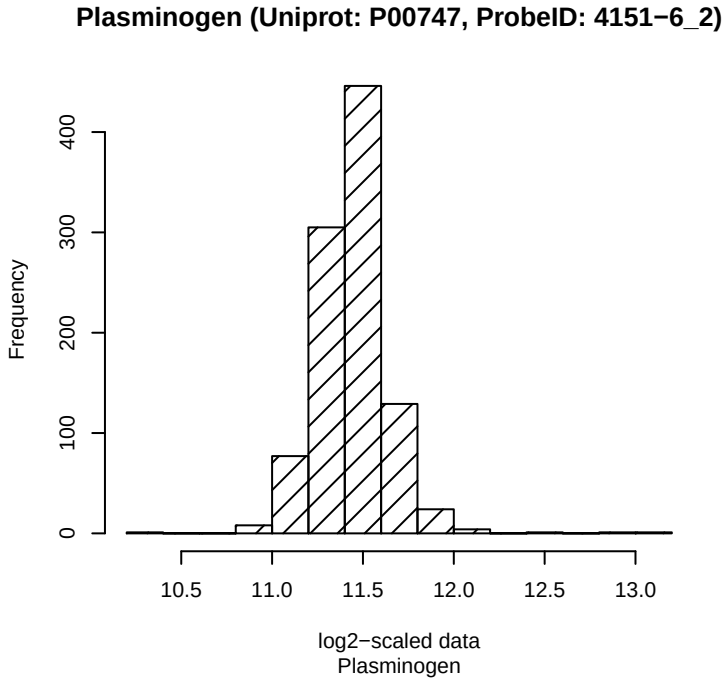

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
log2−scaled data
13
14
15
16
17
C/C (718)
C/T (250)
T/T (22)
rs6556937 (Chr5:95985282)
Locus 290 top sentinel (CIS), p=7e−14, FC=1.2157

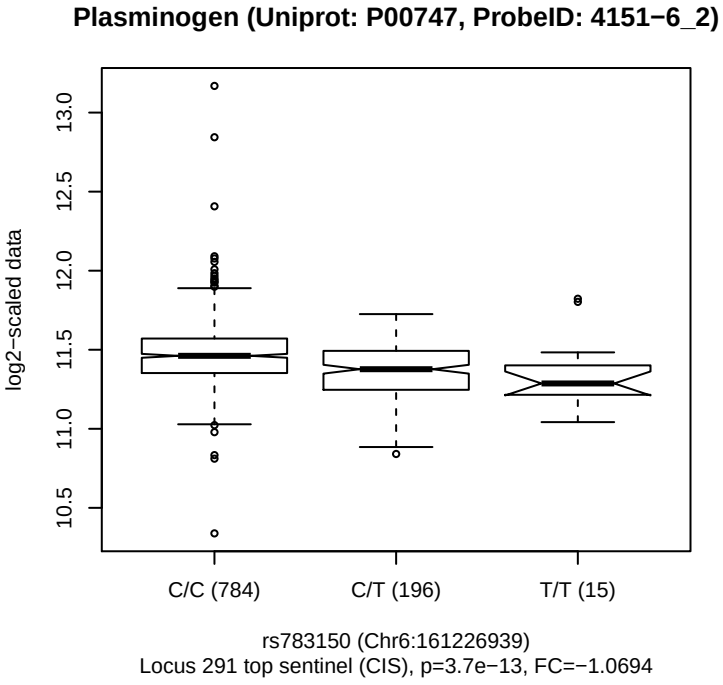

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Endoplasmic reticulum aminopeptidase 1

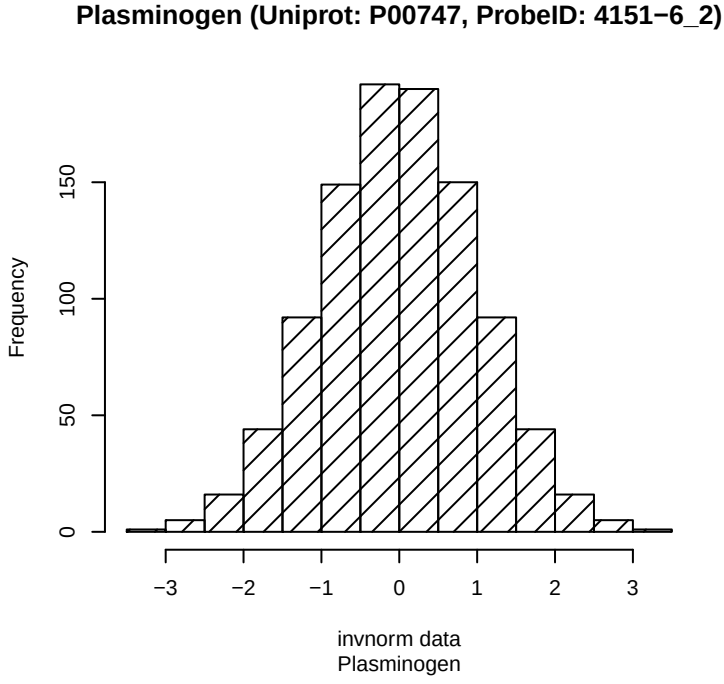

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
invnorm data
−3
−2
−1
0
1
2
3
C/C (718)
C/T (250)
T/T (22)
rs6556937 (Chr5:95985282)
Locus 290 top sentinel (CIS), p=8.4e−15

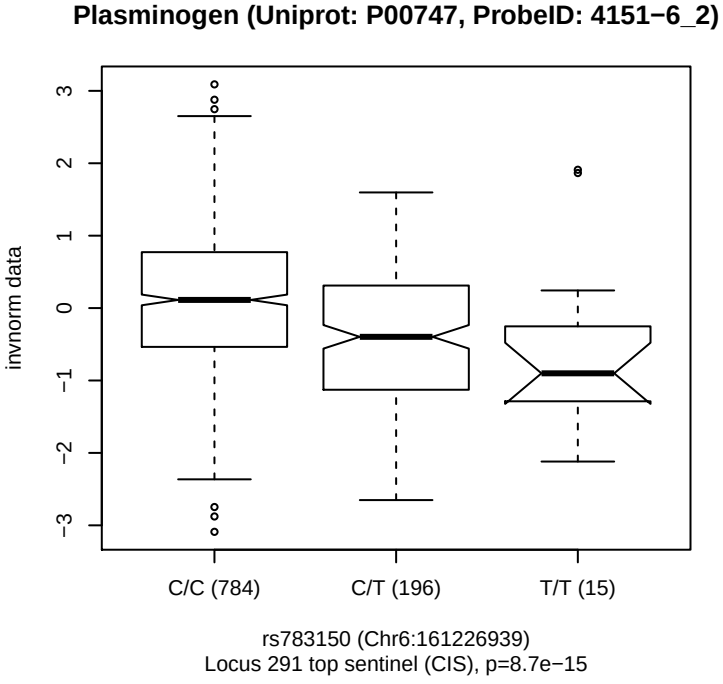

Plasminogen (Uniprot: P00747, ProbeID: 4151−6_2)
Frequency
0
200
400
600
2000
4000
6000
8000
10000
raw data
Plasminogen

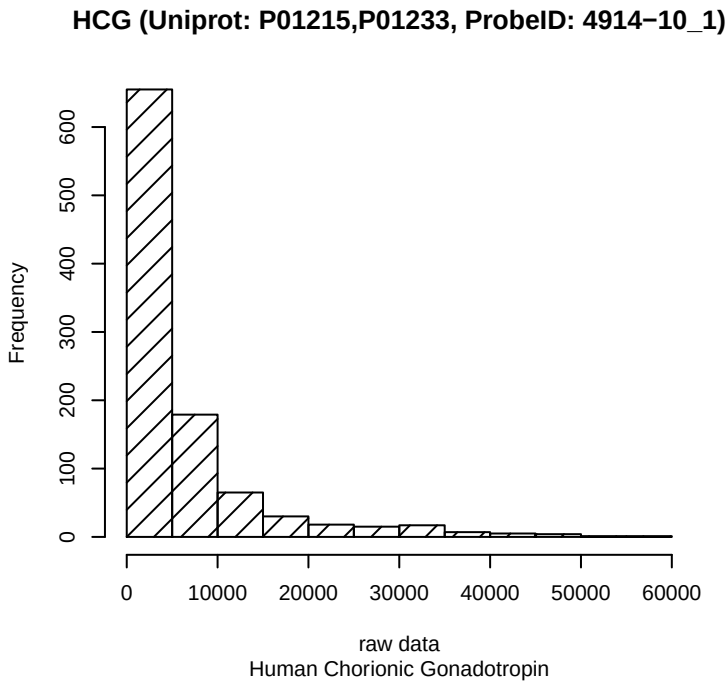

Plasminogen (Uniprot: P00747, ProbeID: 4151−6_2)
raw data
2000
4000
6000
8000
C/C (784)
C/T (196)
T/T (15)
rs783150 (Chr6:161226939)
Locus 291 top sentinel (CIS), p=2.3e−10

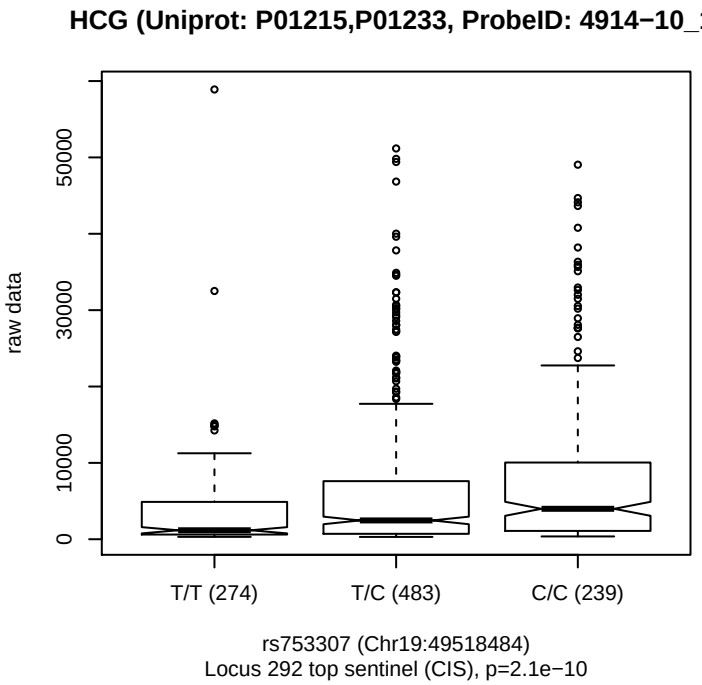

Plasminogen (Uniprot: P00747, ProbeID: 4151−6_2)
Frequency
0
100
200
300
400
10.5
11.0
11.5
12.0
12.5
13.0
log2−scaled data
Plasminogen

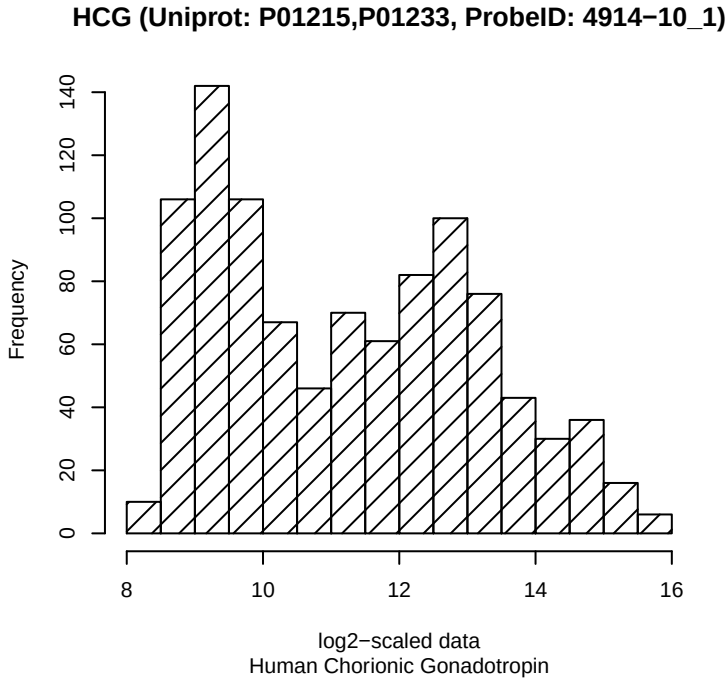

Plasminogen (Uniprot: P00747, ProbeID: 4151−6_2)
log2−scaled data
10.5
11.0
11.5
12.0
12.5
13.0
C/C (784)
C/T (196)
T/T (15)
rs783150 (Chr6:161226939)
Locus 291 top sentinel (CIS), p=3.7e−13, FC=−1.0694

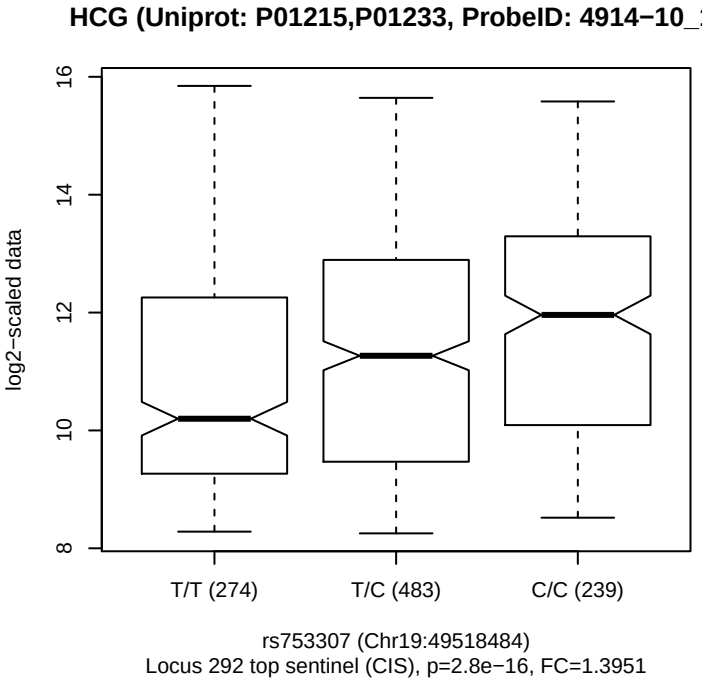

Plasminogen (Uniprot: P00747, ProbeID: 4151−6_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Plasminogen

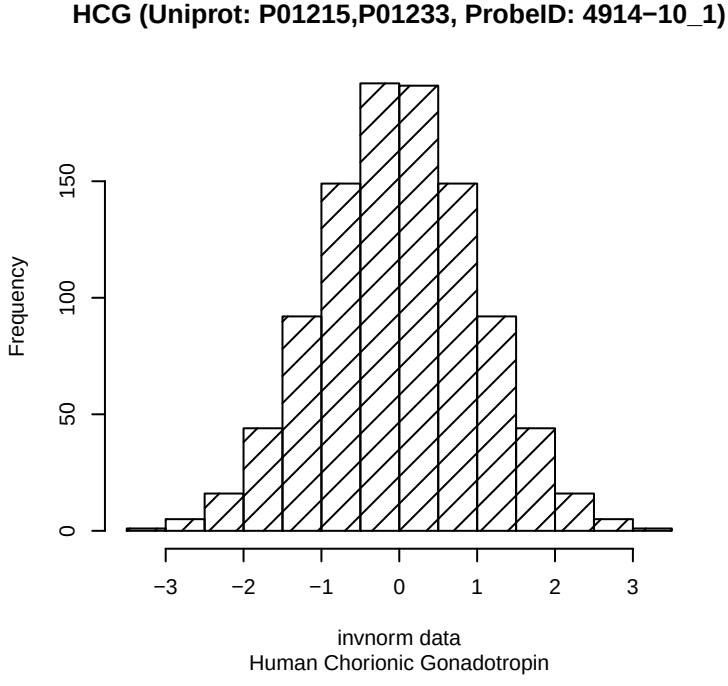

Plasminogen (Uniprot: P00747, ProbeID: 4151−6_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (784)
C/T (196)
T/T (15)
rs783150 (Chr6:161226939)
Locus 291 top sentinel (CIS), p=8.7e−15

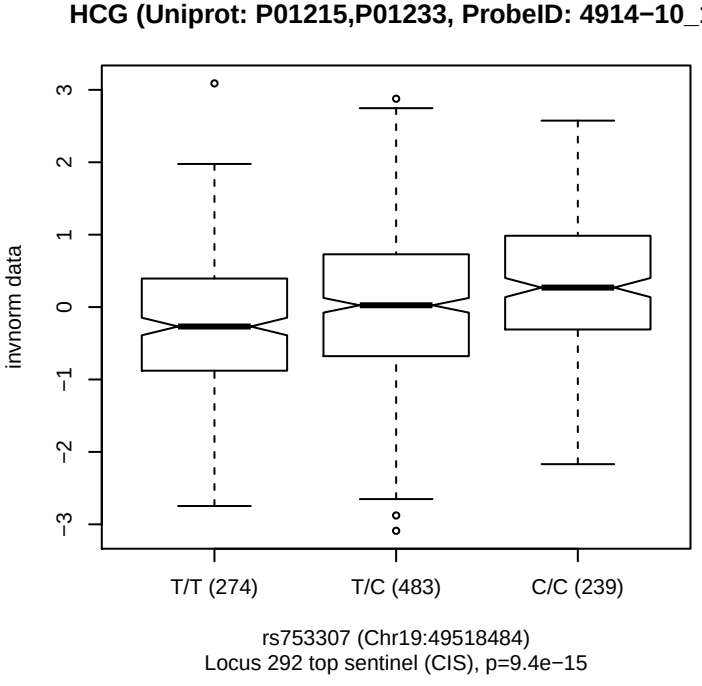

HCG (Uniprot: P01215,P01233, ProbeID: 4914−10_1)
Frequency
0
100
200
300
400
500
600
0
10000
20000
30000
40000
50000
60000
raw data
Human Chorionic Gonadotropin

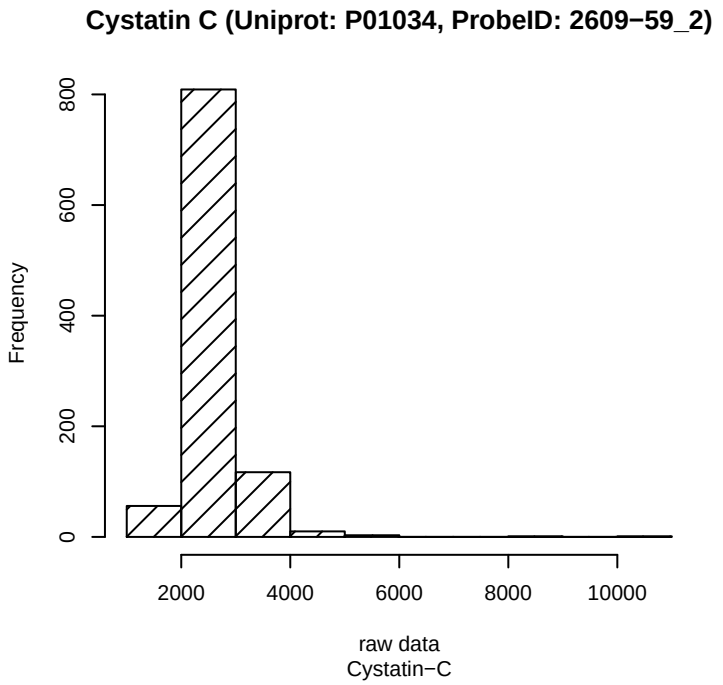

HCG (Uniprot: P01215,P01233, ProbeID: 4914−10_1)
raw data
0
10000
30000
50000
T/T (274)
T/C (483)
C/C (239)
rs753307 (Chr19:49518484)
Locus 292 top sentinel (CIS), p=2.1e−10

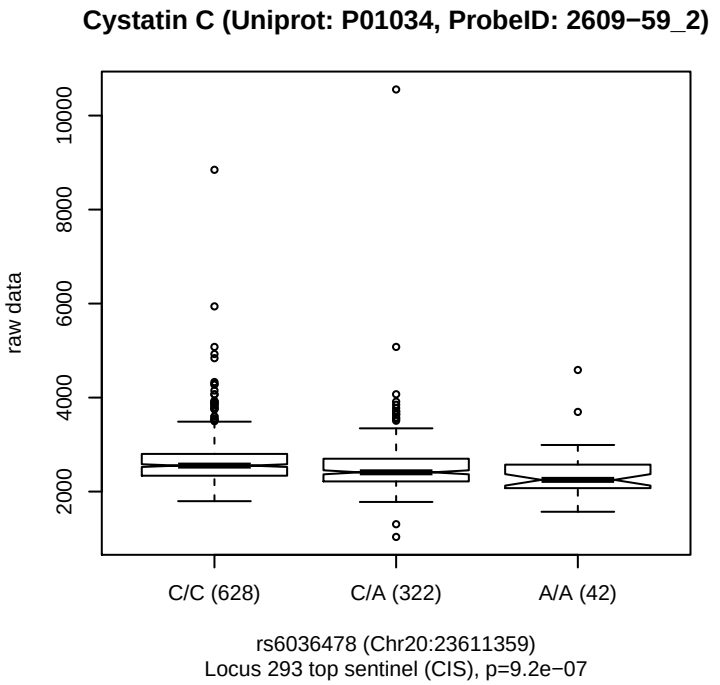

HCG (Uniprot: P01215,P01233, ProbeID: 4914−10_1)
Frequency
0
20
40
60
80
100
120
140
8
10
12
14
16
log2−scaled data
Human Chorionic Gonadotropin

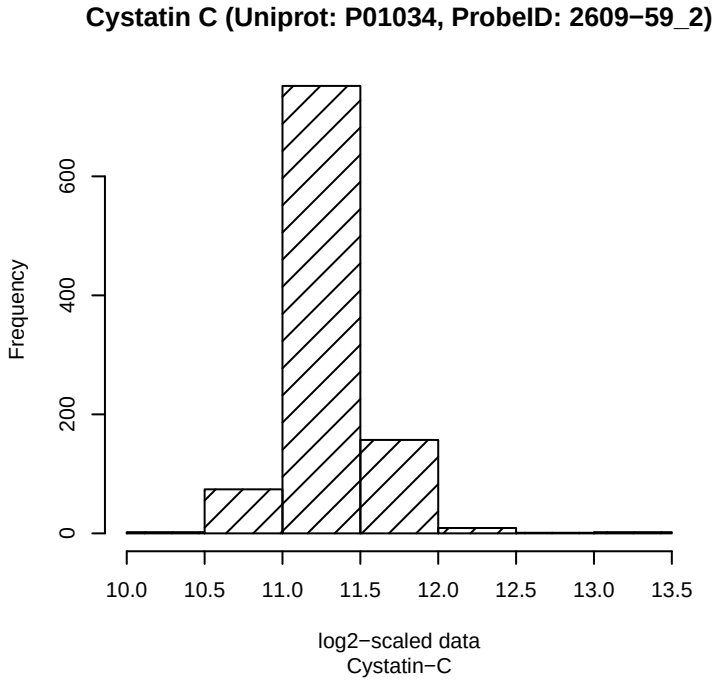

HCG (Uniprot: P01215,P01233, ProbeID: 4914−10_1)
log2−scaled data
8
10
12
14
16
T/T (274)
T/C (483)
C/C (239)
rs753307 (Chr19:49518484)
Locus 292 top sentinel (CIS), p=2.8e−16, FC=1.3951

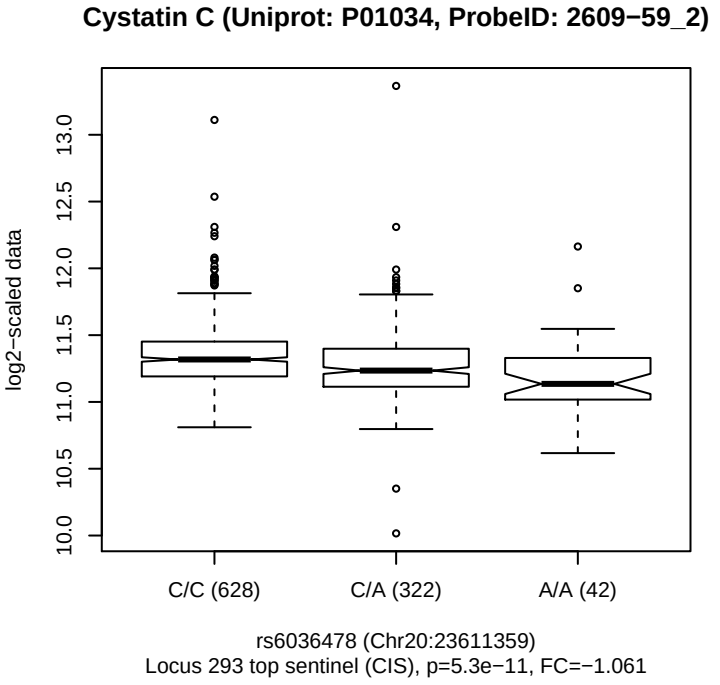

HCG (Uniprot: P01215,P01233, ProbeID: 4914−10_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Human Chorionic Gonadotropin

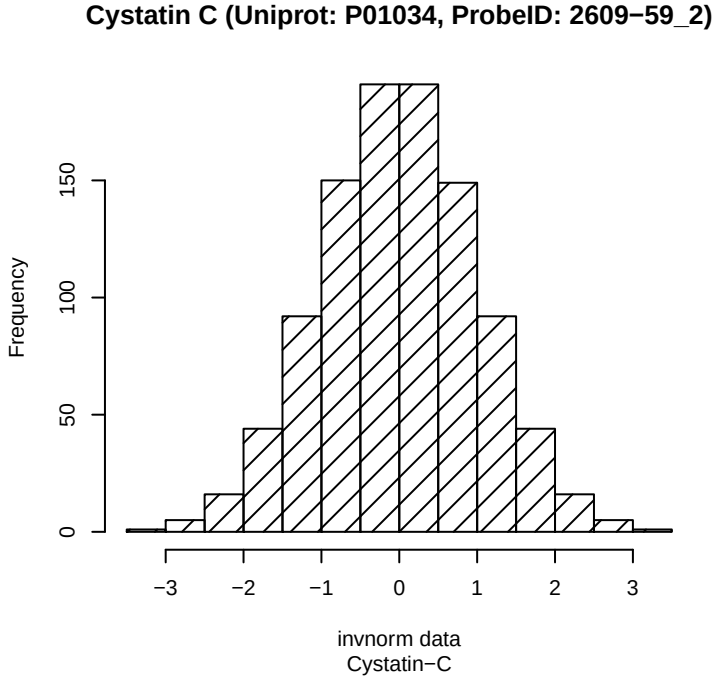

HCG (Uniprot: P01215,P01233, ProbeID: 4914−10_1)
invnorm data
−3
−2
−1
0
1
2
3
T/T (274)
T/C (483)
C/C (239)
rs753307 (Chr19:49518484)
Locus 292 top sentinel (CIS), p=9.4e−15

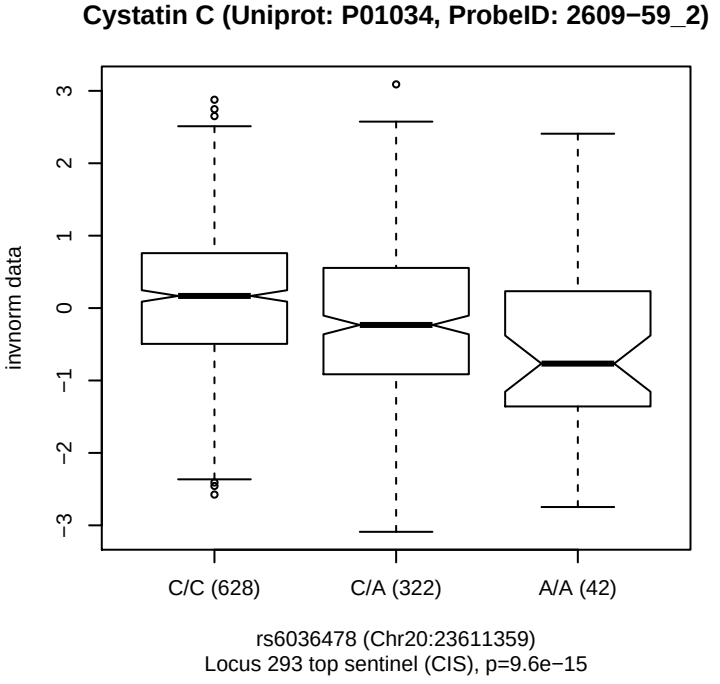

Cystatin C (Uniprot: P01034, ProbeID: 2609−59_2)
Frequency
0
200
400
600
800
2000
4000
6000
8000
10000
raw data
Cystatin−C

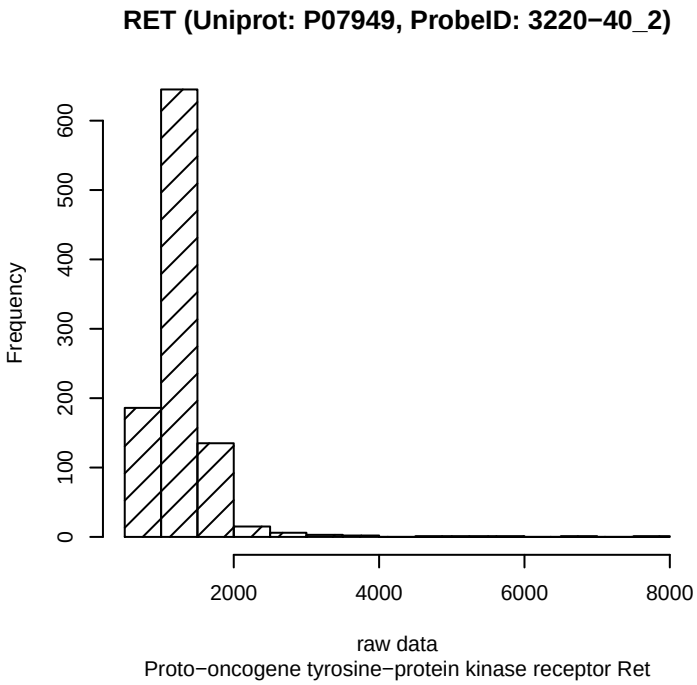

Cystatin C (Uniprot: P01034, ProbeID: 2609−59_2)
raw data
2000
4000
6000
8000
10000
C/C (628)
C/A (322)
A/A (42)
rs6036478 (Chr20:23611359)
Locus 293 top sentinel (CIS), p=9.2e−07

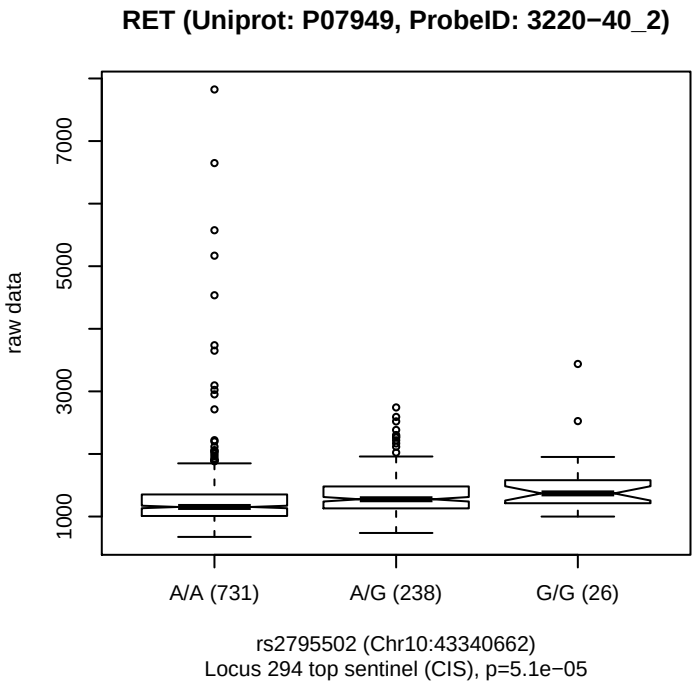

Cystatin C (Uniprot: P01034, ProbeID: 2609−59_2)
Frequency
0
200
400
600
10.0
10.5
11.0
11.5
12.0
12.5
13.0
13.5
log2−scaled data
Cystatin−C

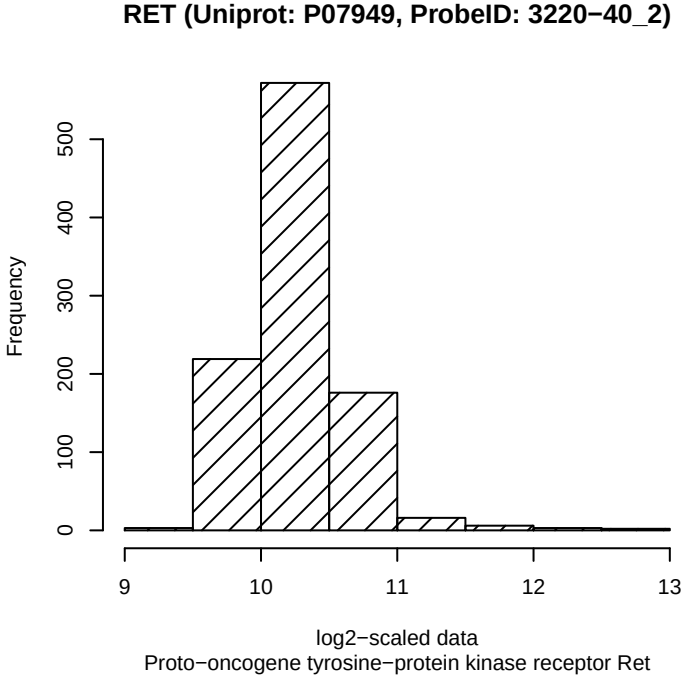

Cystatin C (Uniprot: P01034, ProbeID: 2609−59_2)
log2−scaled data
10.0
10.5
11.0
11.5
12.0
12.5
13.0
C/C (628)
C/A (322)
A/A (42)
rs6036478 (Chr20:23611359)
Locus 293 top sentinel (CIS), p=5.3e−11, FC=−1.061

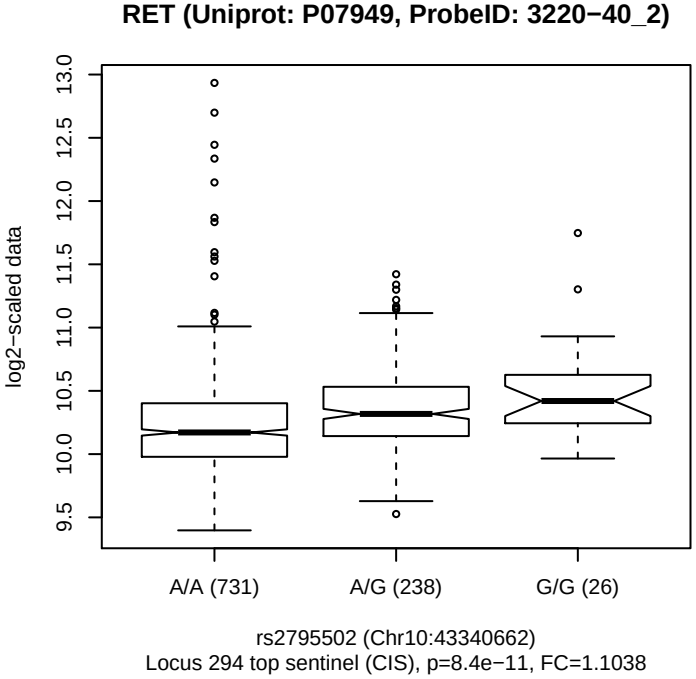

Cystatin C (Uniprot: P01034, ProbeID: 2609−59_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Cystatin−C

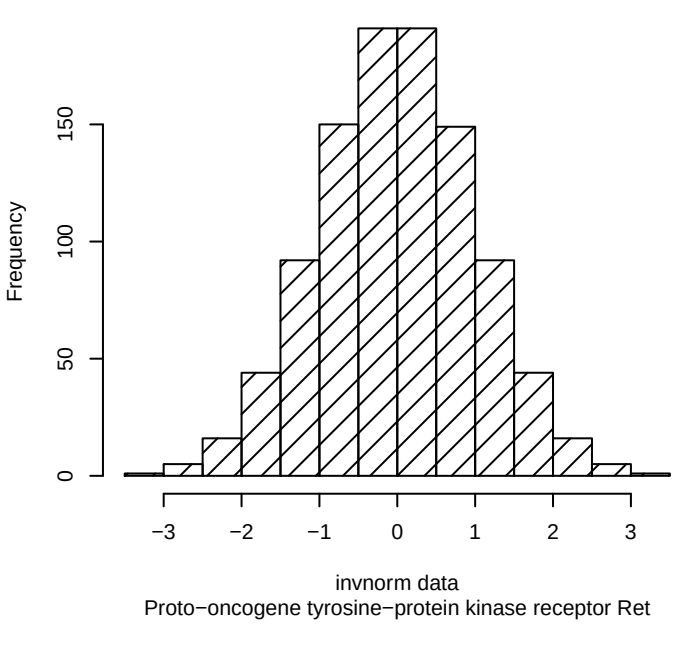

Cystatin C (Uniprot: P01034, ProbeID: 2609−59_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (628)
C/A (322)
A/A (42)
rs6036478 (Chr20:23611359)
Locus 293 top sentinel (CIS), p=9.6e−15

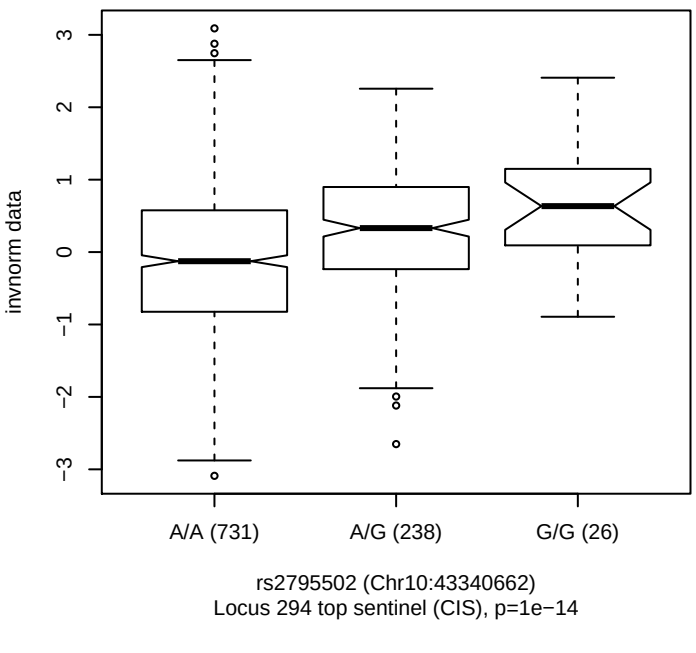

RET (Uniprot: P07949, ProbeID: 3220−40_2)
Frequency
0
100
200
300
400
500
600
2000
4000
6000
8000
raw data
Proto−oncogene tyrosine−protein kinase receptor Ret

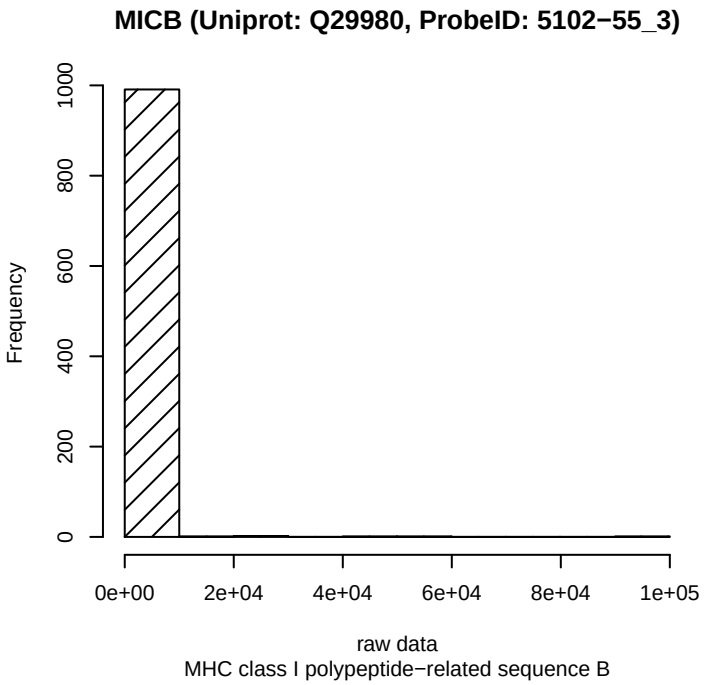

RET (Uniprot: P07949, ProbeID: 3220−40_2)
raw data
1000
3000
5000
7000
A/A (731)
A/G (238)
G/G (26)
rs2795502 (Chr10:43340662)
Locus 294 top sentinel (CIS), p=5.1e−05

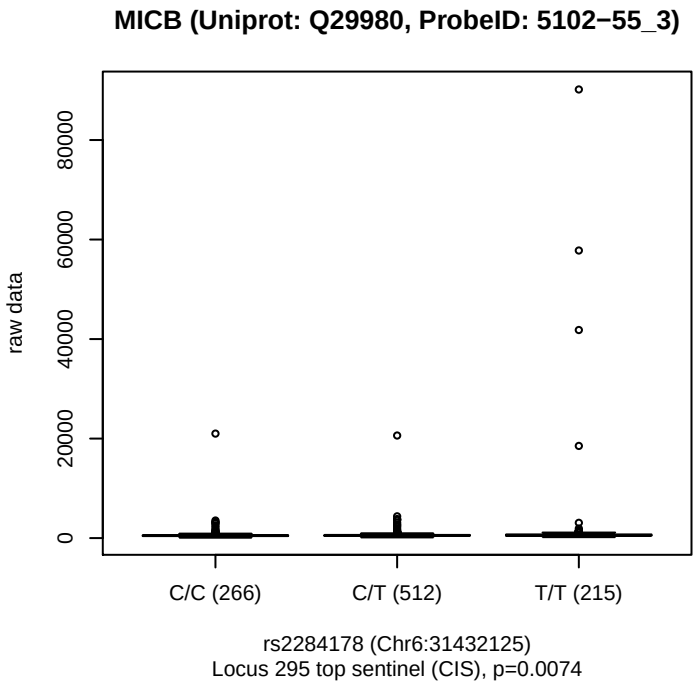

RET (Uniprot: P07949, ProbeID: 3220−40_2)
Frequency
0
100
200
300
400
500
9
10
11
12
13
log2−scaled data
Proto−oncogene tyrosine−protein kinase receptor Ret

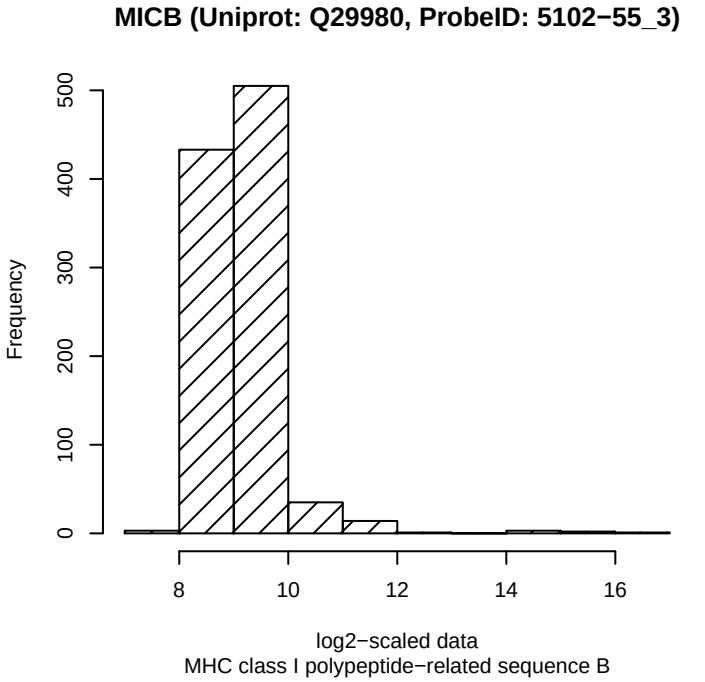

RET (Uniprot: P07949, ProbeID: 3220−40_2)
log2−scaled data
9.5
10.0
10.5
11.0
11.5
12.0
12.5
13.0
A/A (731)
A/G (238)
G/G (26)
rs2795502 (Chr10:43340662)
Locus 294 top sentinel (CIS), p=8.4e−11, FC=1.1038

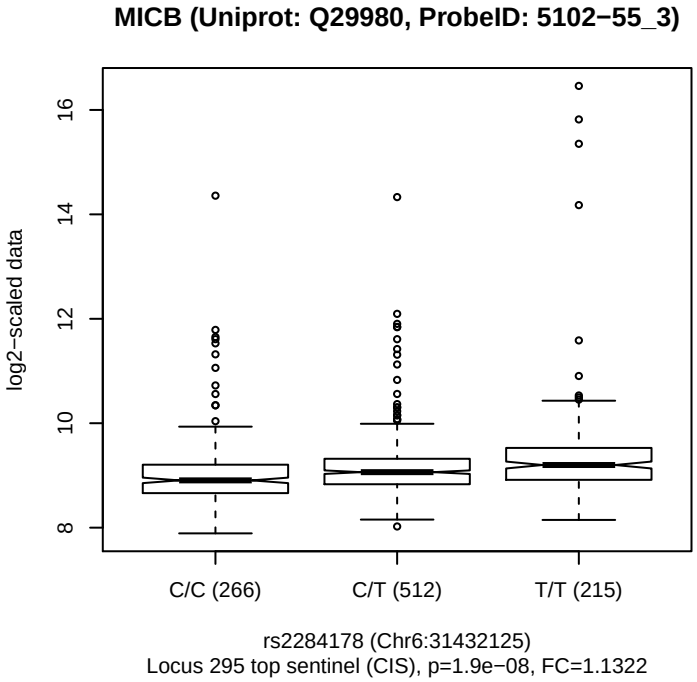

RET (Uniprot: P07949, ProbeID: 3220−40_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Proto−oncogene tyrosine−protein kinase receptor Ret

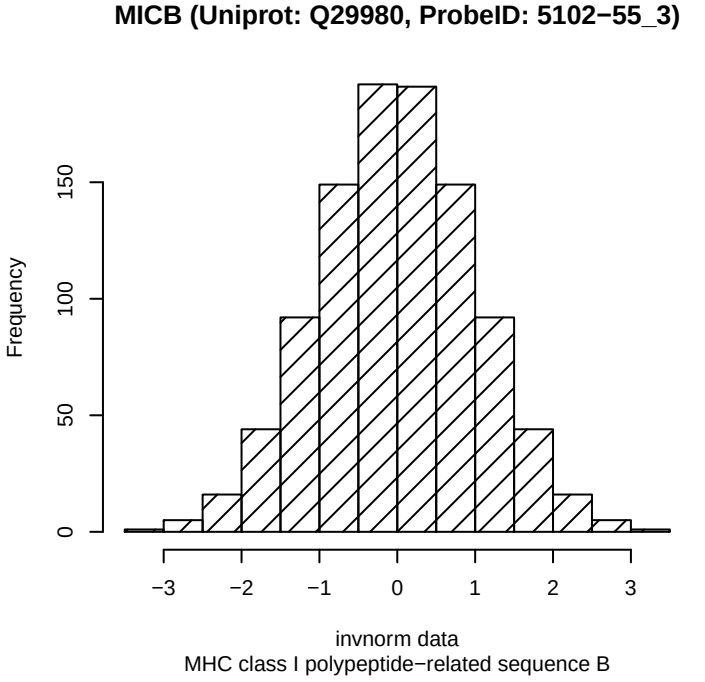

RET (Uniprot: P07949, ProbeID: 3220−40_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (731)
A/G (238)
G/G (26)
rs2795502 (Chr10:43340662)
Locus 294 top sentinel (CIS), p=1e−14

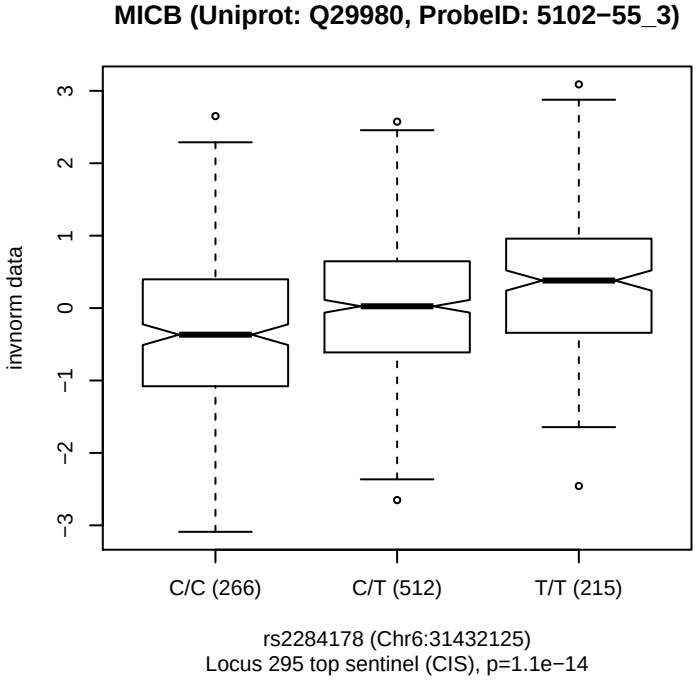

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
200
400
600
800
1000
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
raw data
MHC class I polypeptide−related sequence B

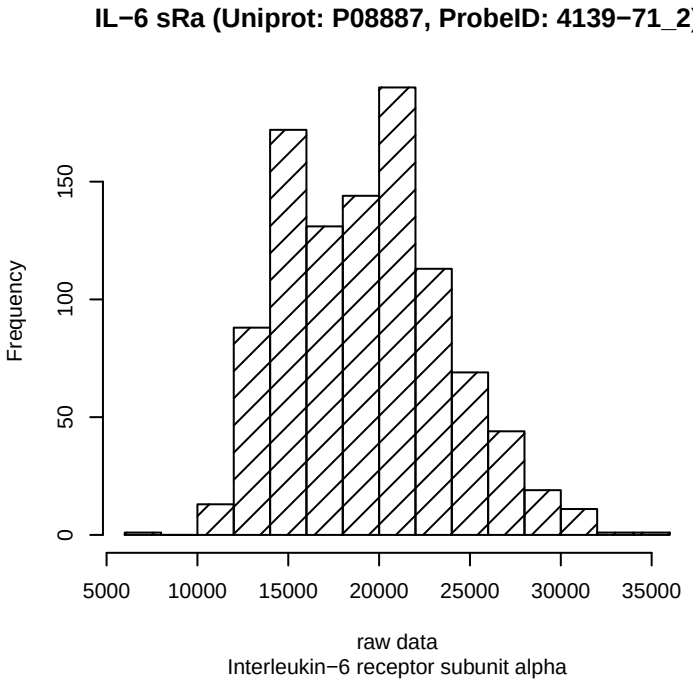

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
raw data
0
20000
40000
60000
80000
C/C (266)
C/T (512)
T/T (215)
rs2284178 (Chr6:31432125)
Locus 295 top sentinel (CIS), p=0.0074

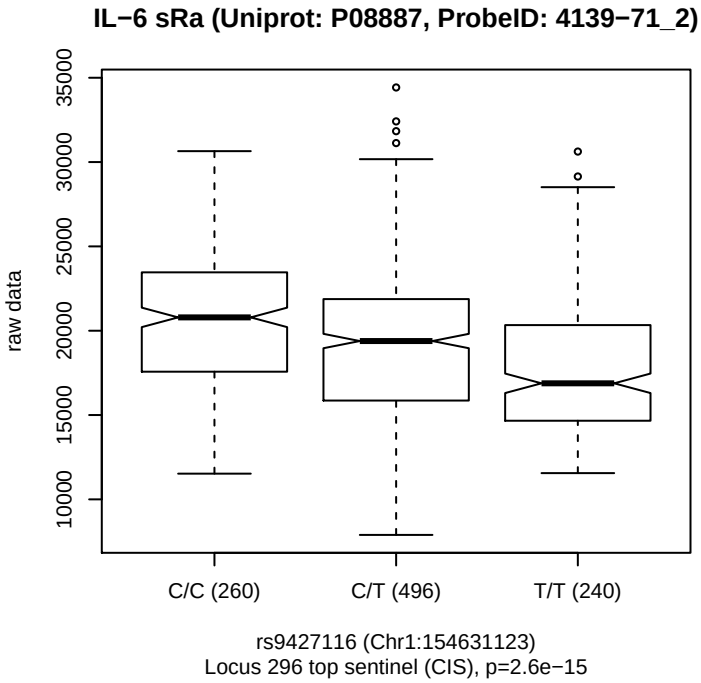

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
100
200
300
400
500
8
10
12
14
16
log2−scaled data
MHC class I polypeptide−related sequence B

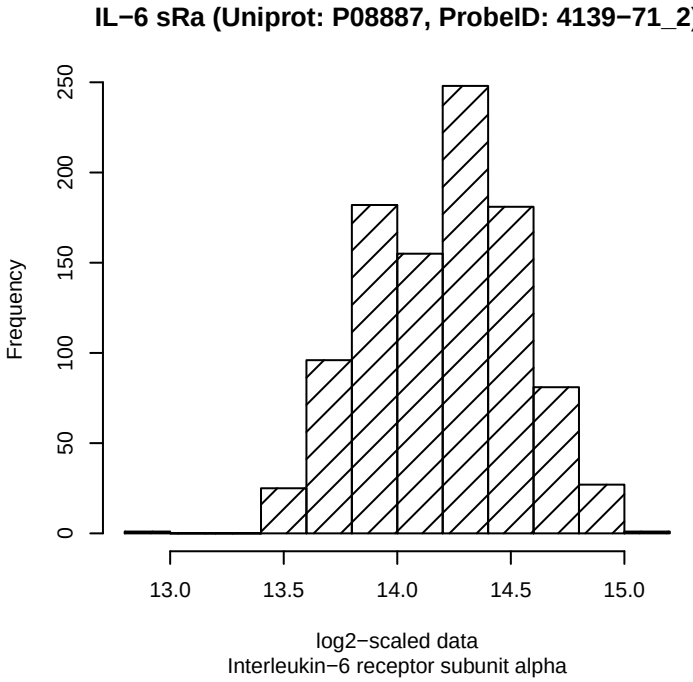

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
log2−scaled data
8
10
12
14
16
C/C (266)
C/T (512)
T/T (215)
rs2284178 (Chr6:31432125)
Locus 295 top sentinel (CIS), p=1.9e−08, FC=1.1322

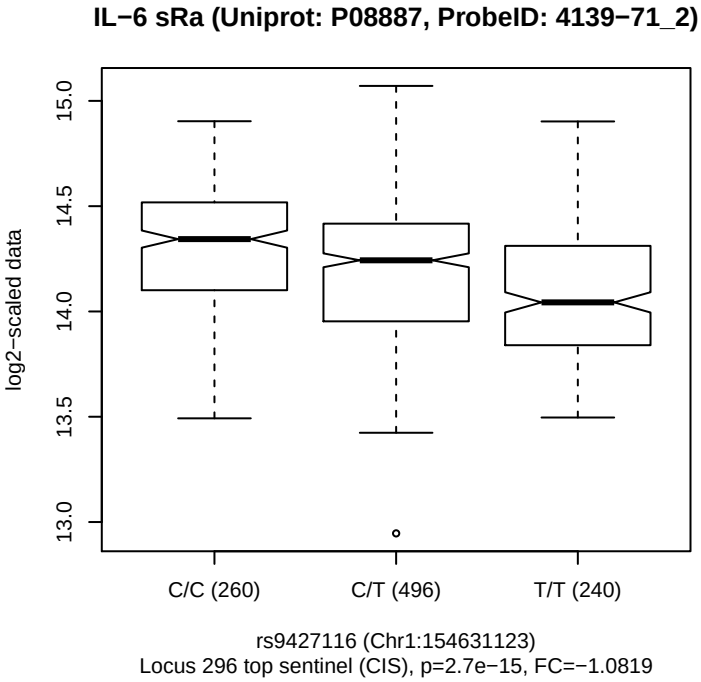

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence B

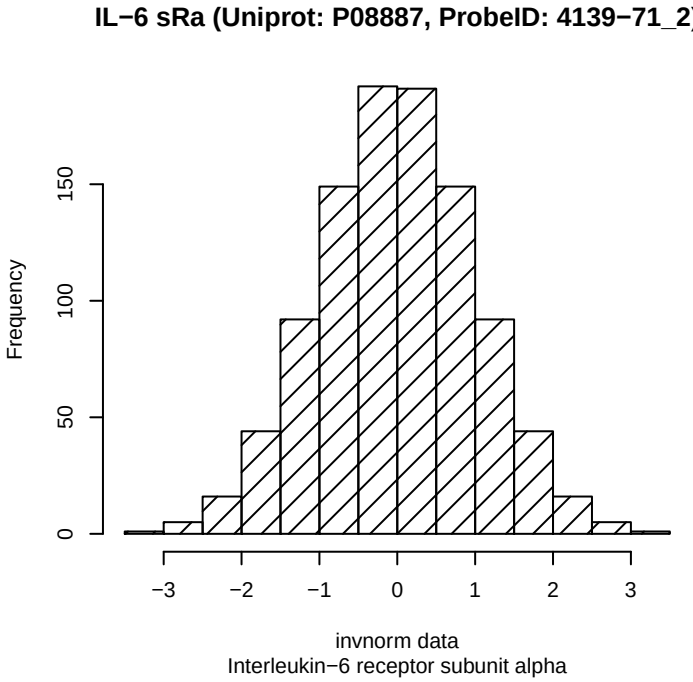

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
invnorm data
−3
−2
−1
0
1
2
3
C/C (266)
C/T (512)
T/T (215)
rs2284178 (Chr6:31432125)
Locus 295 top sentinel (CIS), p=1.1e−14

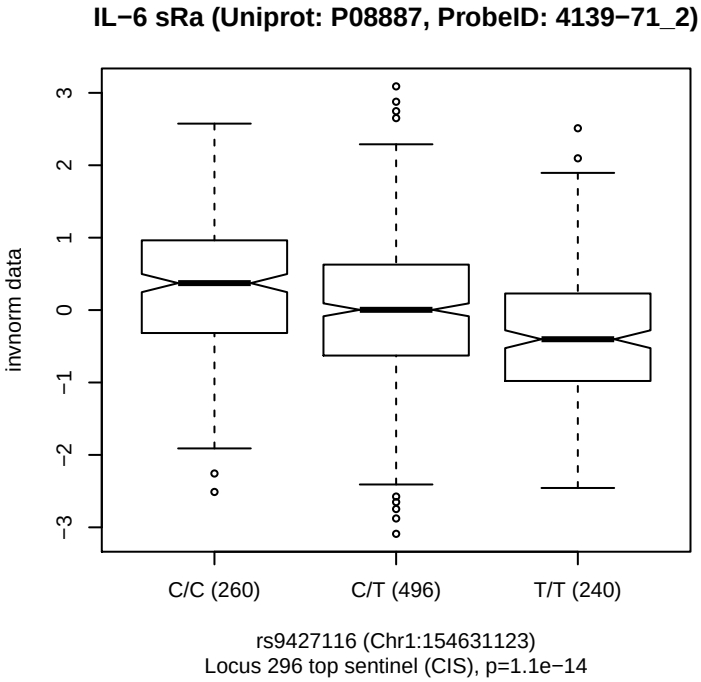

IL−6 sRa (Uniprot: P08887, ProbeID: 4139−71_2)
Frequency
0
50
100
150
5000
10000
15000
20000
25000
30000
35000
raw data
Interleukin−6 receptor subunit alpha

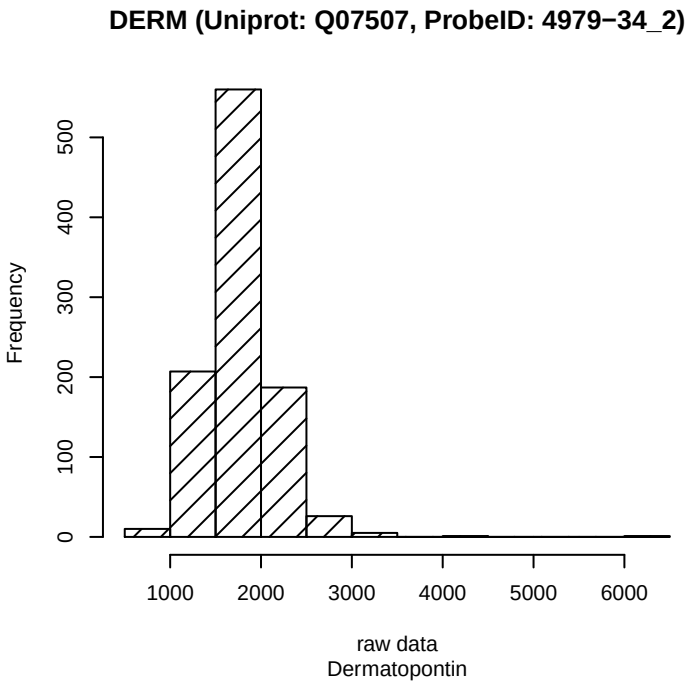

IL−6 sRa (Uniprot: P08887, ProbeID: 4139−71_2)
raw data
10000
15000
20000
25000
30000
35000
C/C (260)
C/T (496)
T/T (240)
rs9427116 (Chr1:154631123)
Locus 296 top sentinel (CIS), p=2.6e−15

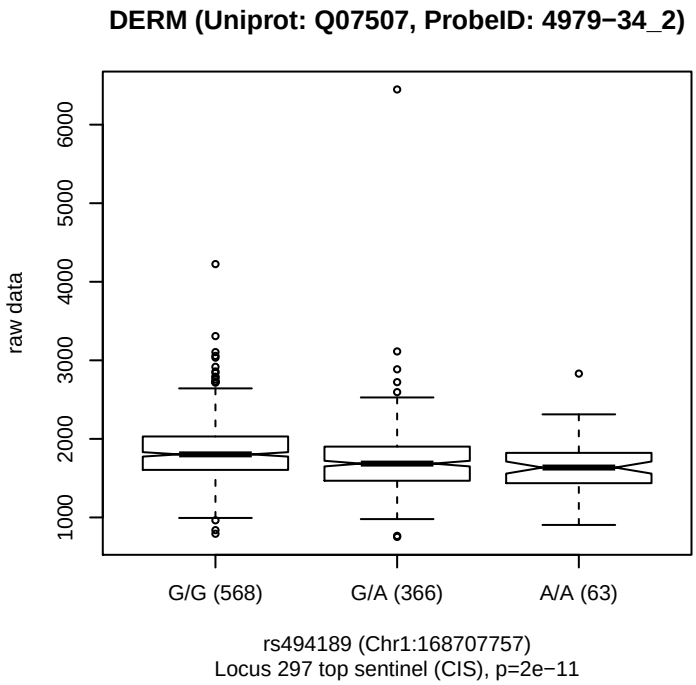

IL−6 sRa (Uniprot: P08887, ProbeID: 4139−71_2)
Frequency
0
50
100
150
200
250
13.0
13.5
14.0
14.5
15.0
log2−scaled data
Interleukin−6 receptor subunit alpha

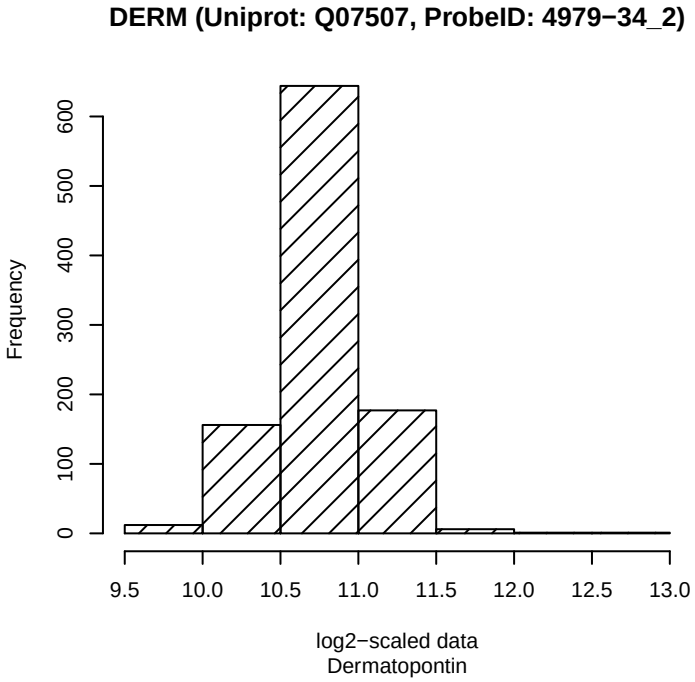

IL−6 sRa (Uniprot: P08887, ProbeID: 4139−71_2)
log2−scaled data
13.0
13.5
14.0
14.5
15.0
C/C (260)
C/T (496)
T/T (240)
rs9427116 (Chr1:154631123)
Locus 296 top sentinel (CIS), p=2.7e−15, FC=−1.0819

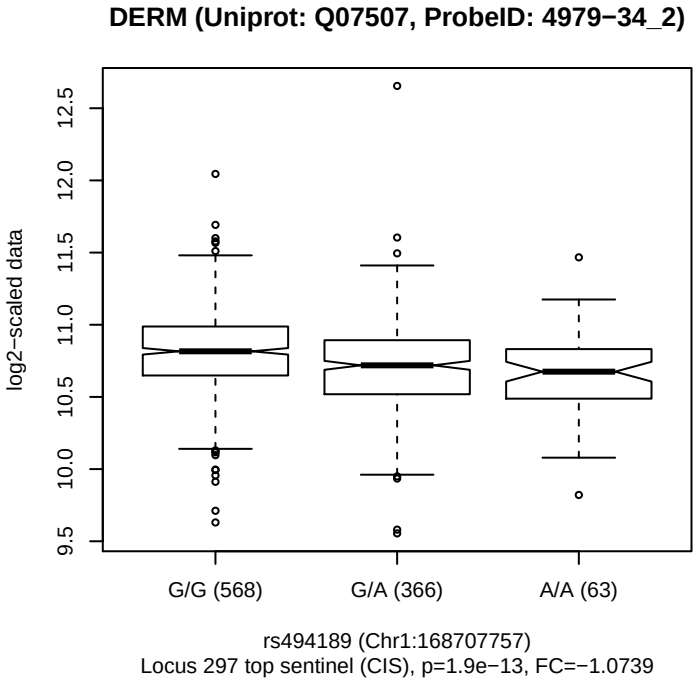

IL−6 sRa (Uniprot: P08887, ProbeID: 4139−71_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−6 receptor subunit alpha

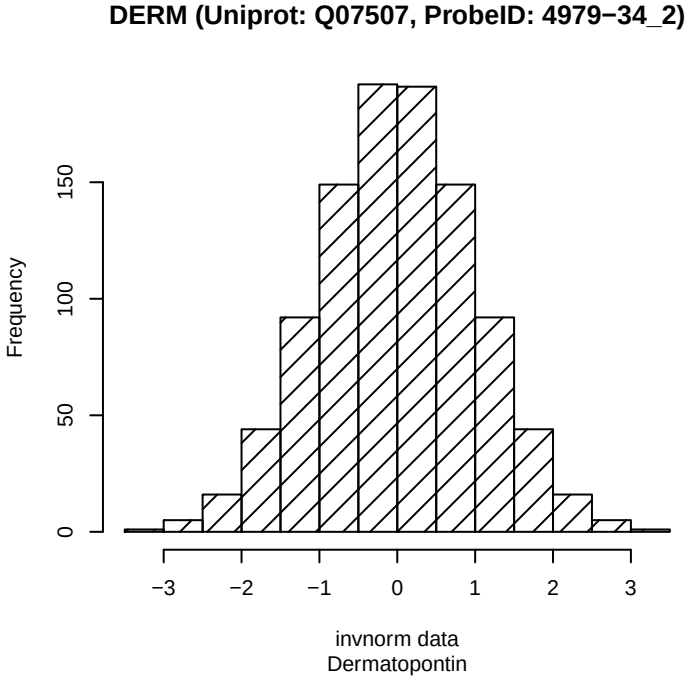

IL−6 sRa (Uniprot: P08887, ProbeID: 4139−71_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (260)
C/T (496)
T/T (240)
rs9427116 (Chr1:154631123)
Locus 296 top sentinel (CIS), p=1.1e−14

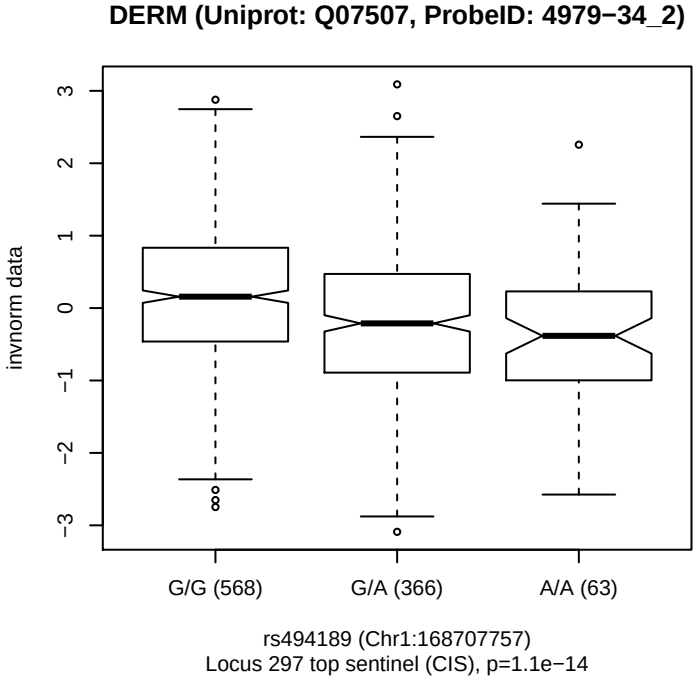

DERM (Uniprot: Q07507, ProbeID: 4979−34_2)
Frequency
0
100
200
300
400
500
1000
2000
3000
4000
5000
6000
raw data
Dermatopontin

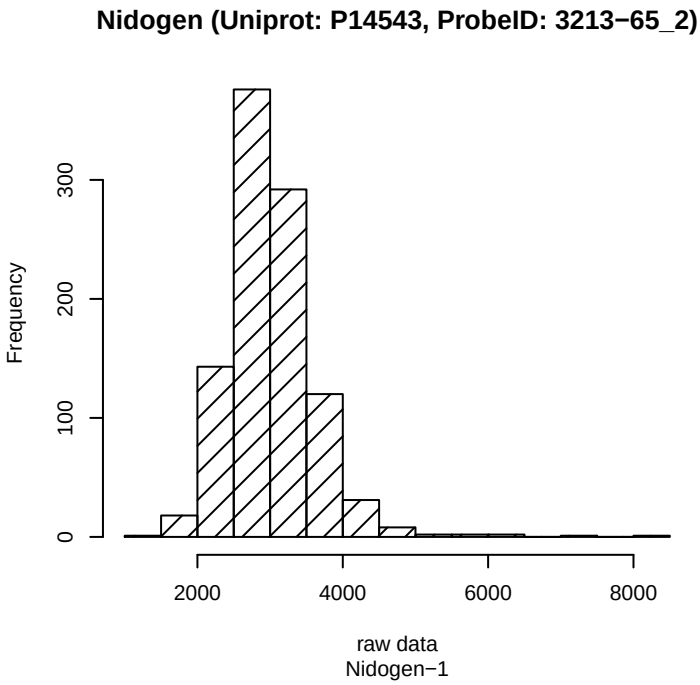

DERM (Uniprot: Q07507, ProbeID: 4979−34_2)
raw data
1000
2000
3000
4000
5000
6000
G/G (568)
G/A (366)
A/A (63)
rs494189 (Chr1:168707757)
Locus 297 top sentinel (CIS), p=2e−11

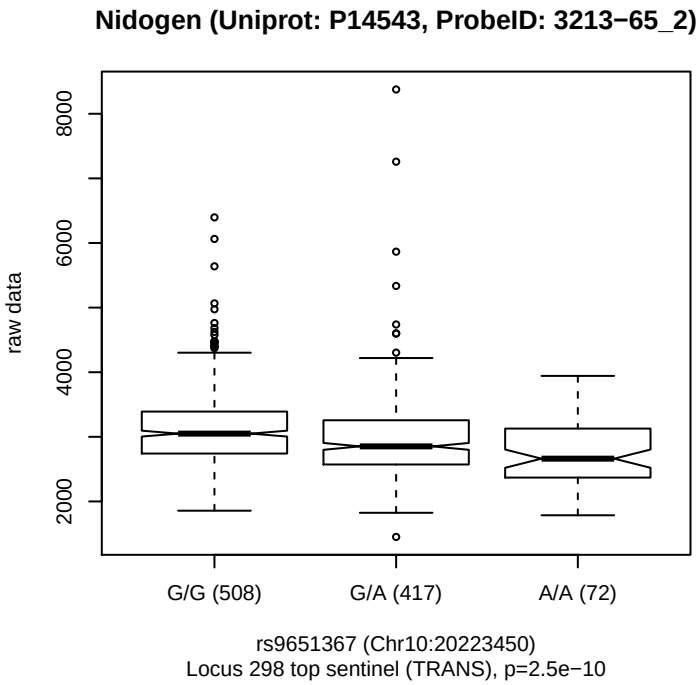

DERM (Uniprot: Q07507, ProbeID: 4979−34_2)
Frequency
0
100
200
300
400
500
600
9.5
10.0
10.5
11.0
11.5
12.0
12.5
13.0
log2−scaled data
Dermatopontin

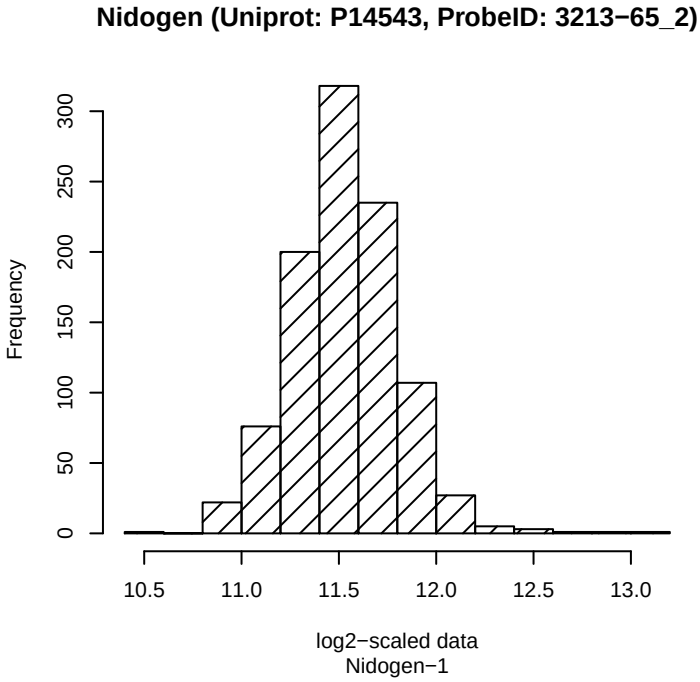

DERM (Uniprot: Q07507, ProbeID: 4979−34_2)
log2−scaled data
9.5
10.0
10.5
11.0
11.5
12.0
12.5
G/G (568)
G/A (366)
A/A (63)
rs494189 (Chr1:168707757)
Locus 297 top sentinel (CIS), p=1.9e−13, FC=−1.0739

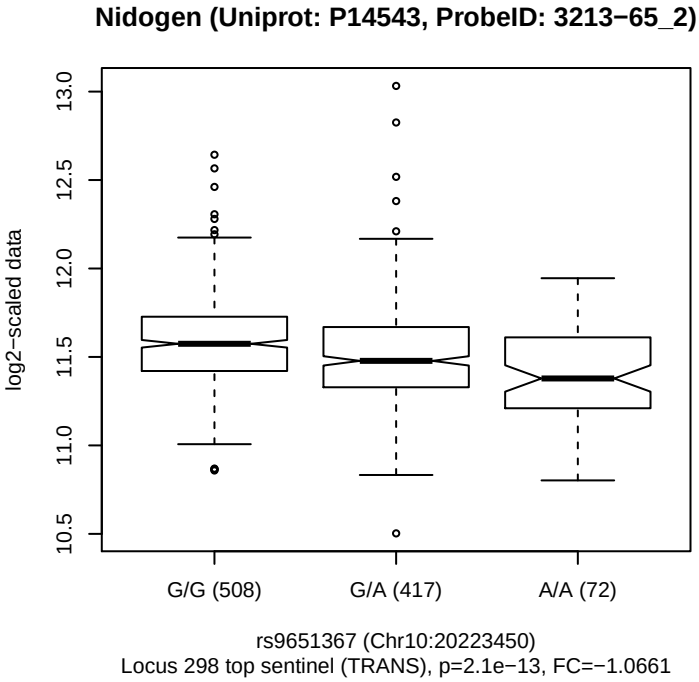

DERM (Uniprot: Q07507, ProbeID: 4979−34_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Dermatopontin

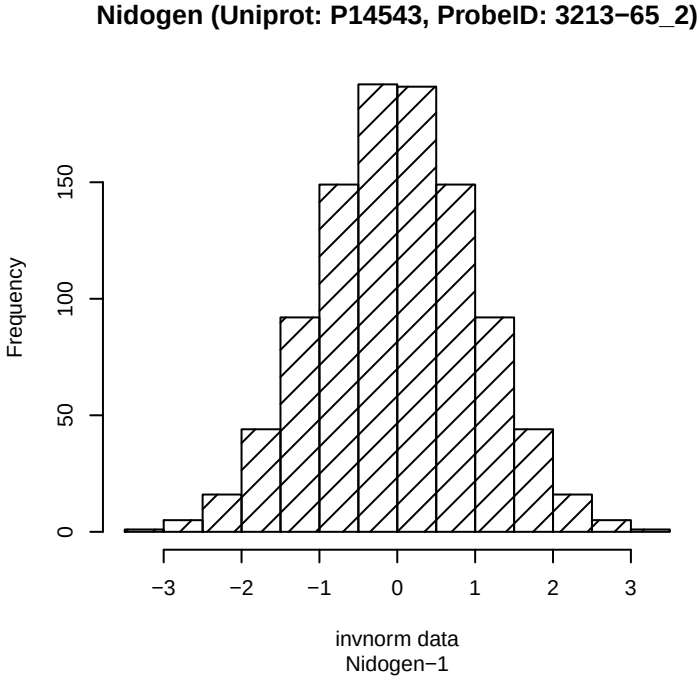

DERM (Uniprot: Q07507, ProbeID: 4979−34_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (568)
G/A (366)
A/A (63)
rs494189 (Chr1:168707757)
Locus 297 top sentinel (CIS), p=1.1e−14

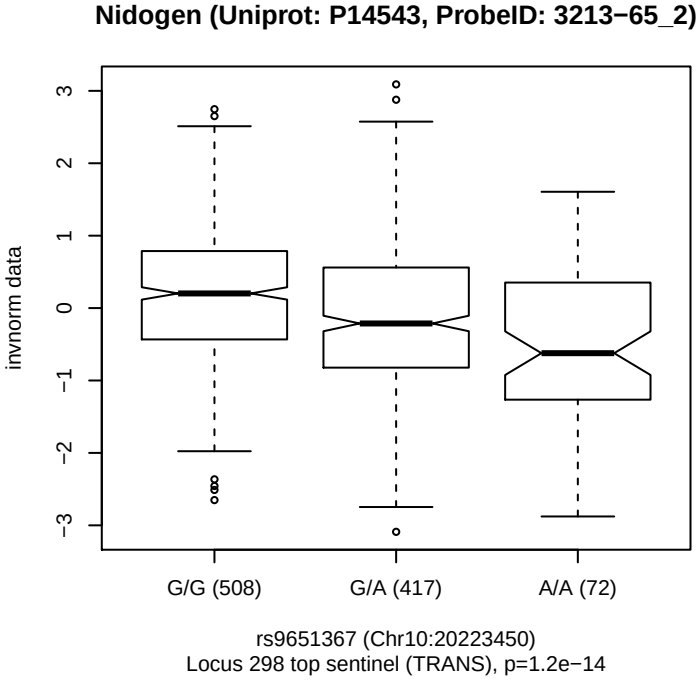

Nidogen (Uniprot: P14543, ProbeID: 3213−65_2)
Frequency
0
100
200
300
2000
4000
6000
8000
raw data
Nidogen−1

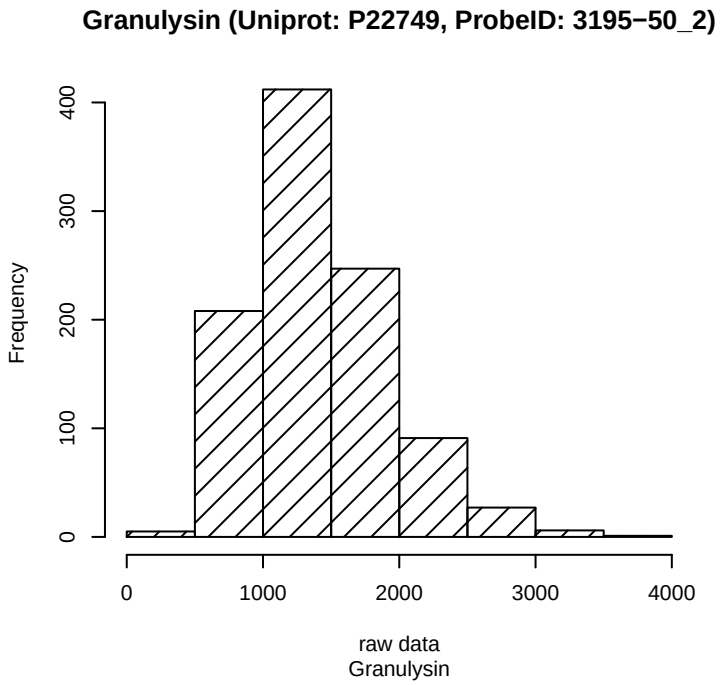

Nidogen (Uniprot: P14543, ProbeID: 3213−65_2)
raw data
2000
4000
6000
8000
G/G (508)
G/A (417)
A/A (72)
rs9651367 (Chr10:20223450)
Locus 298 top sentinel (TRANS), p=2.5e−10

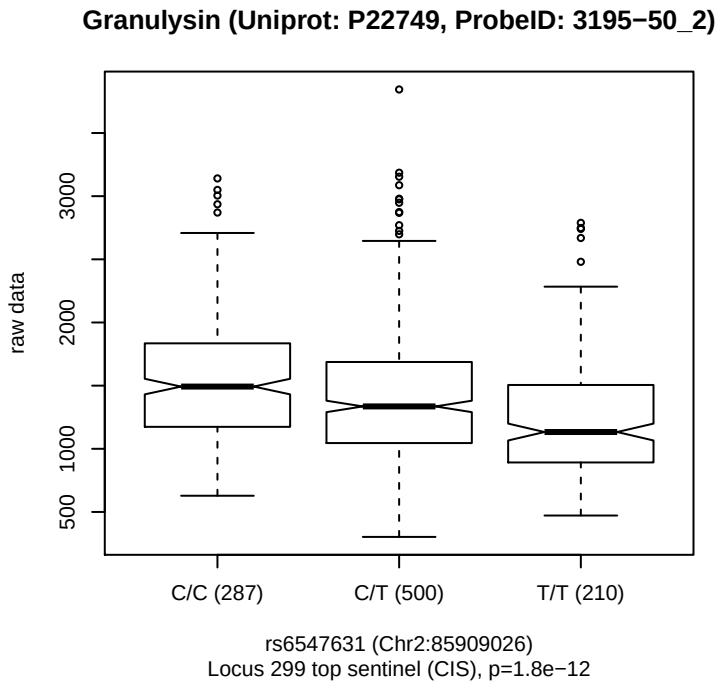

Nidogen (Uniprot: P14543, ProbeID: 3213−65_2)
Frequency
0
50
100
150
200
250
300
10.5
11.0
11.5
12.0
12.5
13.0
log2−scaled data
Nidogen−1

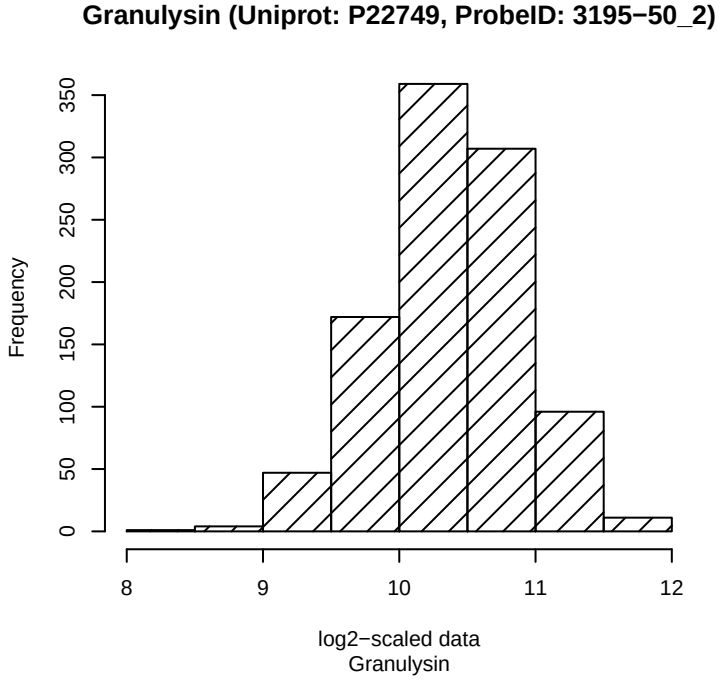

Nidogen (Uniprot: P14543, ProbeID: 3213−65_2)
log2−scaled data
10.5
11.0
11.5
12.0
12.5
13.0
G/G (508)
G/A (417)
A/A (72)
rs9651367 (Chr10:20223450)
Locus 298 top sentinel (TRANS), p=2.1e−13, FC=−1.0661

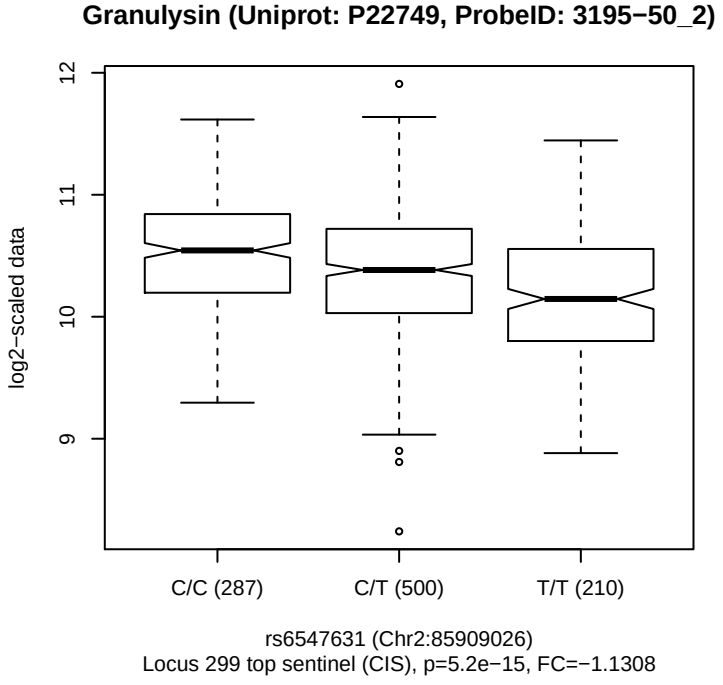

Nidogen (Uniprot: P14543, ProbeID: 3213−65_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Nidogen−1

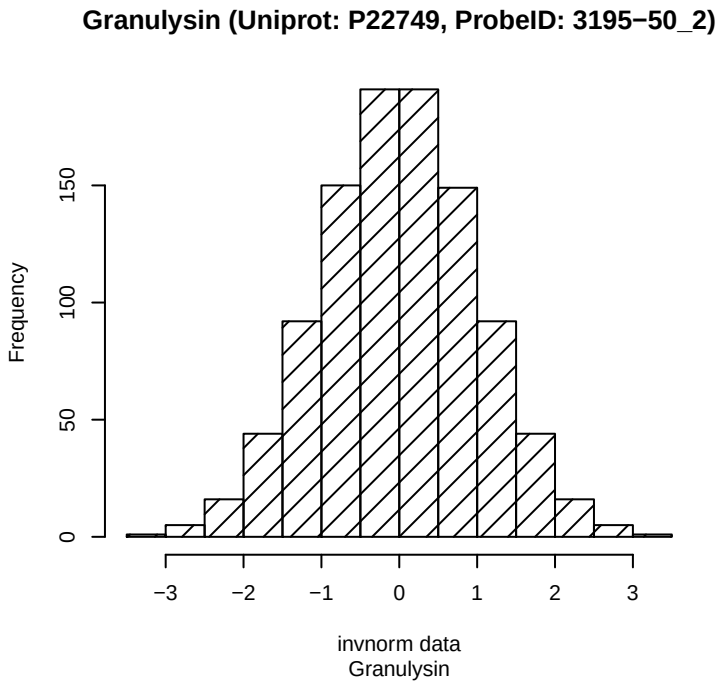

Nidogen (Uniprot: P14543, ProbeID: 3213−65_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (508)
G/A (417)
A/A (72)
rs9651367 (Chr10:20223450)
Locus 298 top sentinel (TRANS), p=1.2e−14

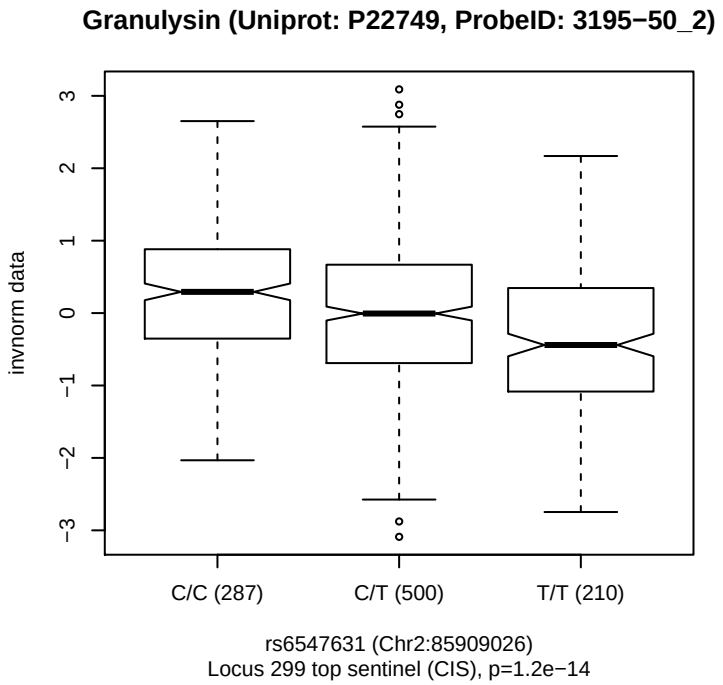

Granulysin (Uniprot: P22749, ProbeID: 3195−50_2)
Frequency
0
100
200
300
400
0
1000
2000
3000
4000
raw data
Granulysin

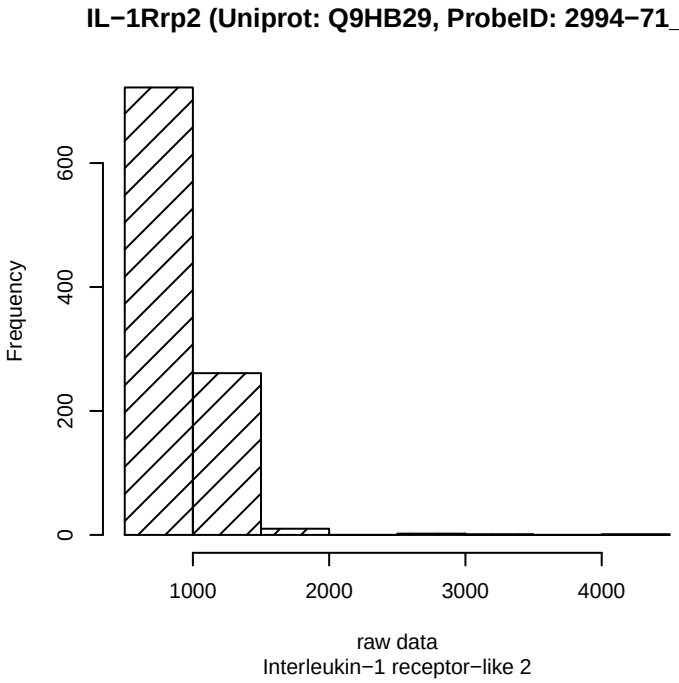

Granulysin (Uniprot: P22749, ProbeID: 3195−50_2)
raw data
500
1000
2000
3000
C/C (287)
C/T (500)
T/T (210)
rs6547631 (Chr2:85909026)
Locus 299 top sentinel (CIS), p=1.8e−12

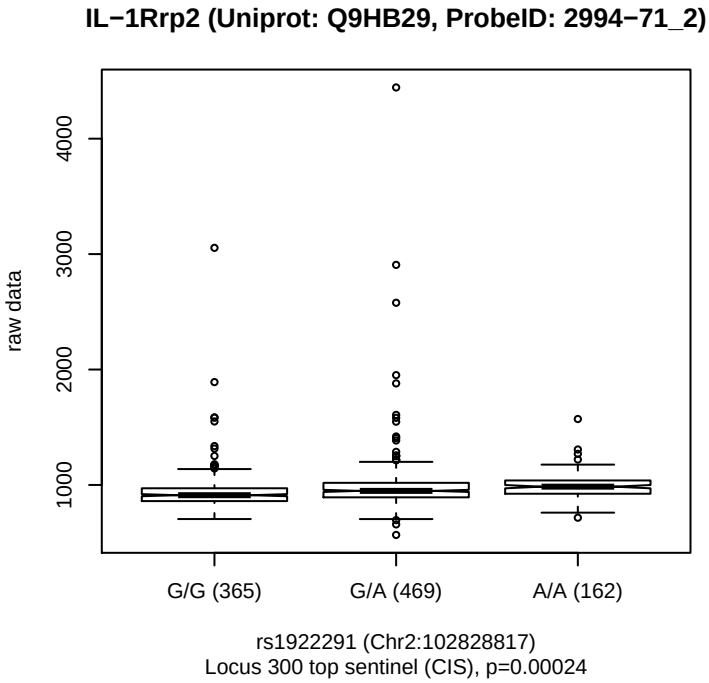

Granulysin (Uniprot: P22749, ProbeID: 3195−50_2)
Frequency
0
50
100
150
200
250
300
350
8
9
10
11
12
log2−scaled data
Granulysin

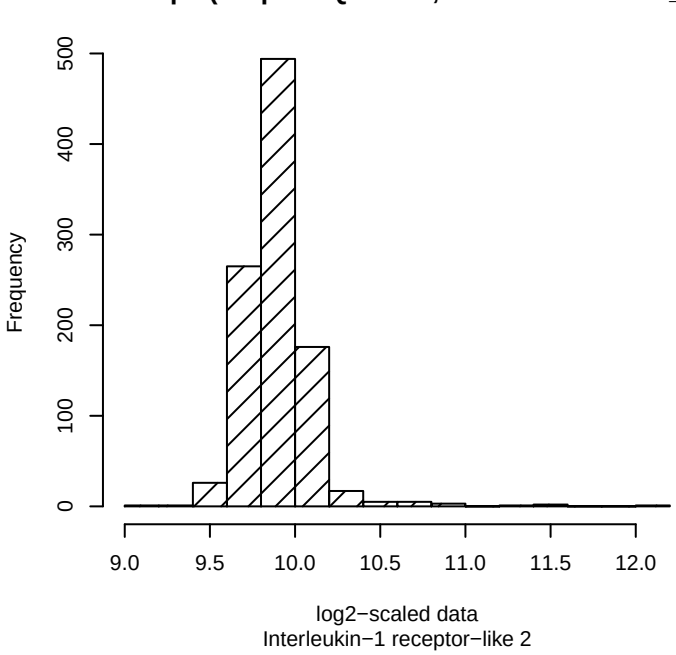

Granulysin (Uniprot: P22749, ProbeID: 3195−50_2)
log2−scaled data
9
10
11
12
C/C (287)
C/T (500)
T/T (210)
rs6547631 (Chr2:85909026)
Locus 299 top sentinel (CIS), p=5.2e−15, FC=−1.1308

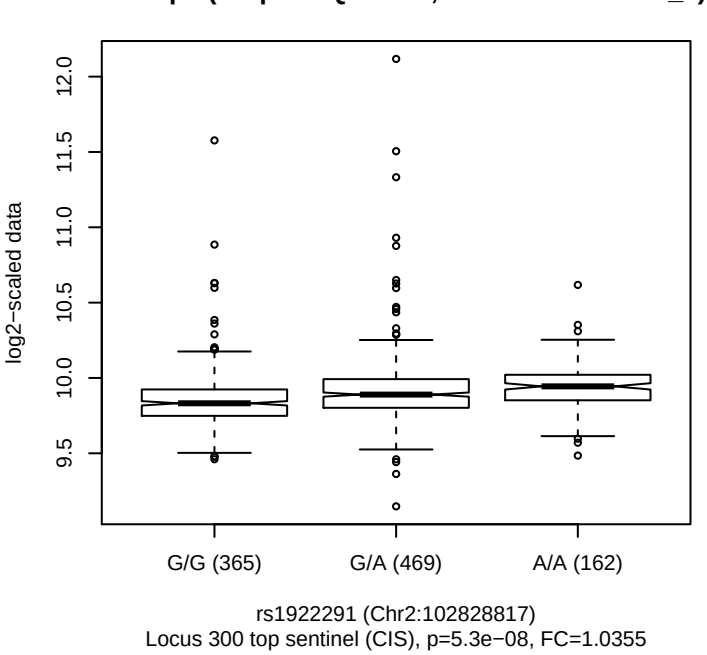

Granulysin (Uniprot: P22749, ProbeID: 3195−50_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Granulysin

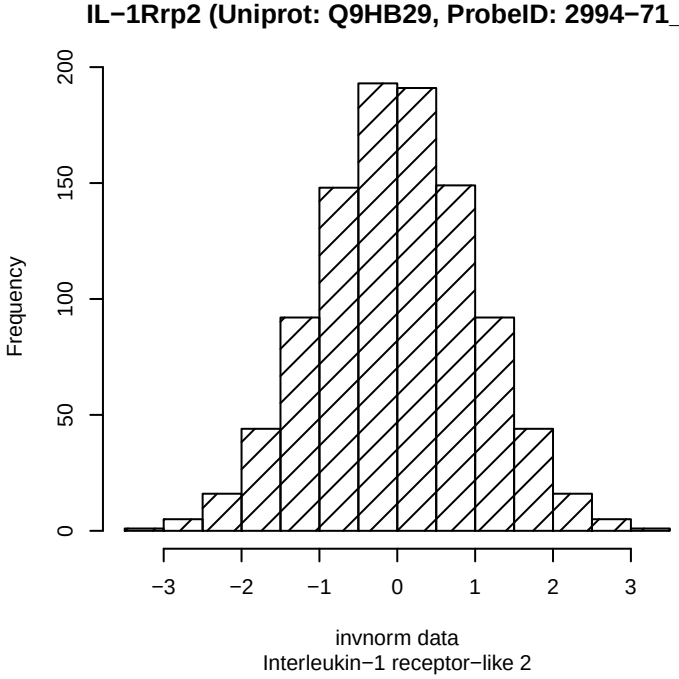

Granulysin (Uniprot: P22749, ProbeID: 3195−50_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (287)
C/T (500)
T/T (210)
rs6547631 (Chr2:85909026)
Locus 299 top sentinel (CIS), p=1.2e−14

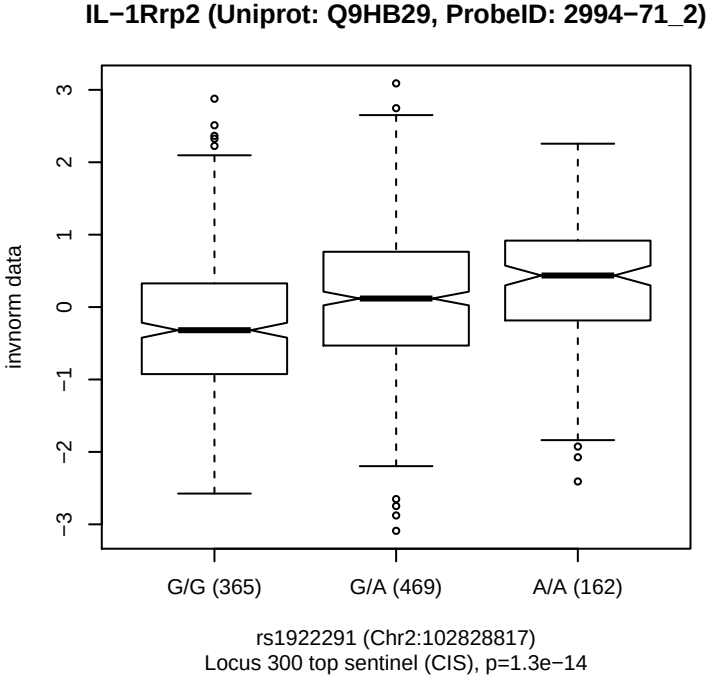

IL−1Rrp2 (Uniprot: Q9HB29, ProbeID: 2994−71_2)
Frequency
0
200
400
600
1000
2000
3000
4000
raw data
Interleukin−1 receptor−like 2

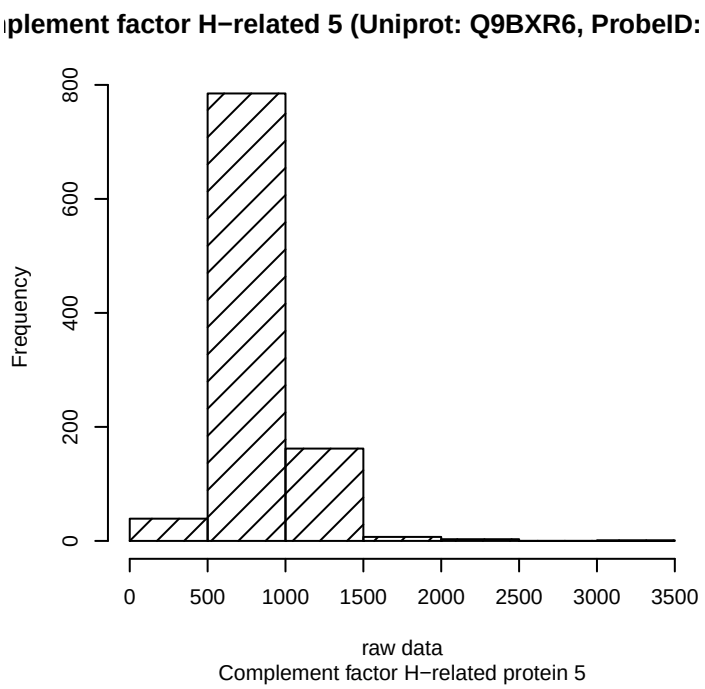

IL−1Rrp2 (Uniprot: Q9HB29, ProbeID: 2994−71_2)
raw data
1000
2000
3000
4000
G/G (365)
G/A (469)
A/A (162)
rs1922291 (Chr2:102828817)
Locus 300 top sentinel (CIS), p=0.00024

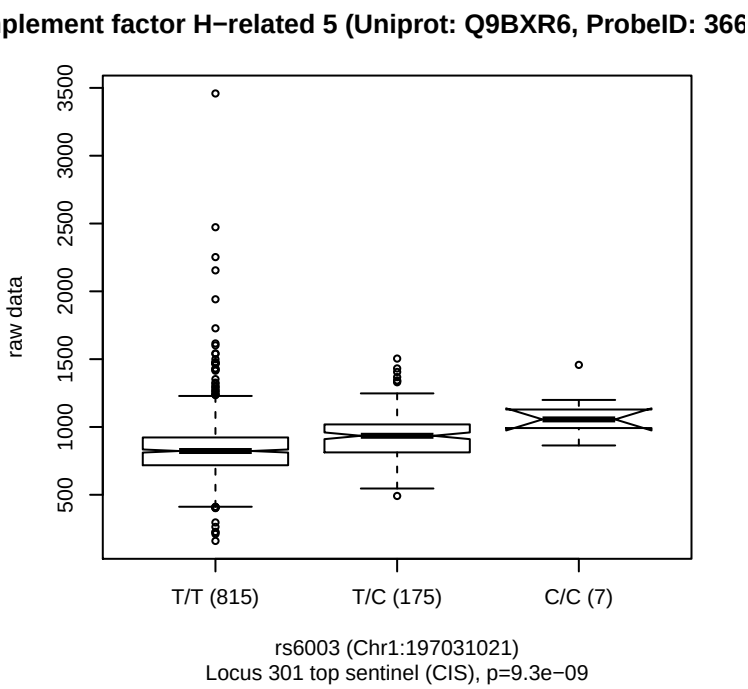

IL−1Rrp2 (Uniprot: Q9HB29, ProbeID: 2994−71_2)
Frequency
0
100
200
300
400
500
9.0
9.5
10.0
10.5
11.0
11.5
12.0
log2−scaled data
Interleukin−1 receptor−like 2

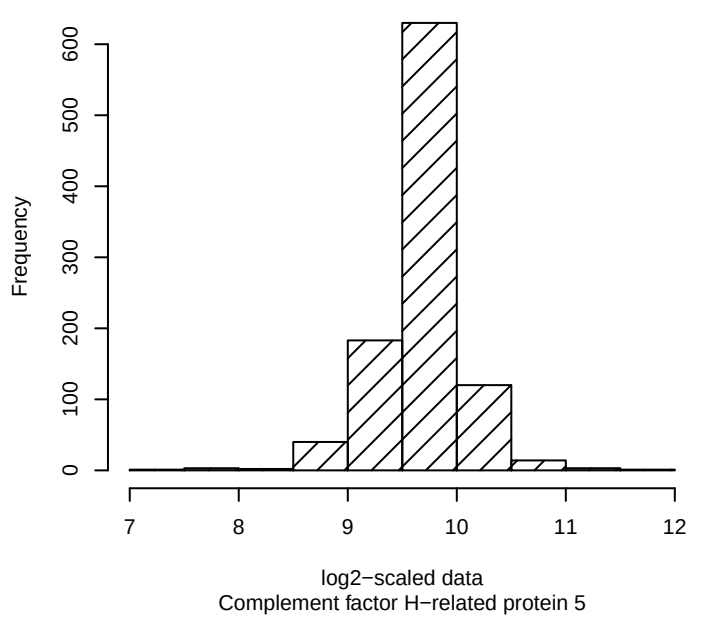

IL−1Rrp2 (Uniprot: Q9HB29, ProbeID: 2994−71_2)
log2−scaled data
9.5
10.0
10.5
11.0
11.5
12.0
G/G (365)
G/A (469)
A/A (162)
rs1922291 (Chr2:102828817)
Locus 300 top sentinel (CIS), p=5.3e−08, FC=1.0355

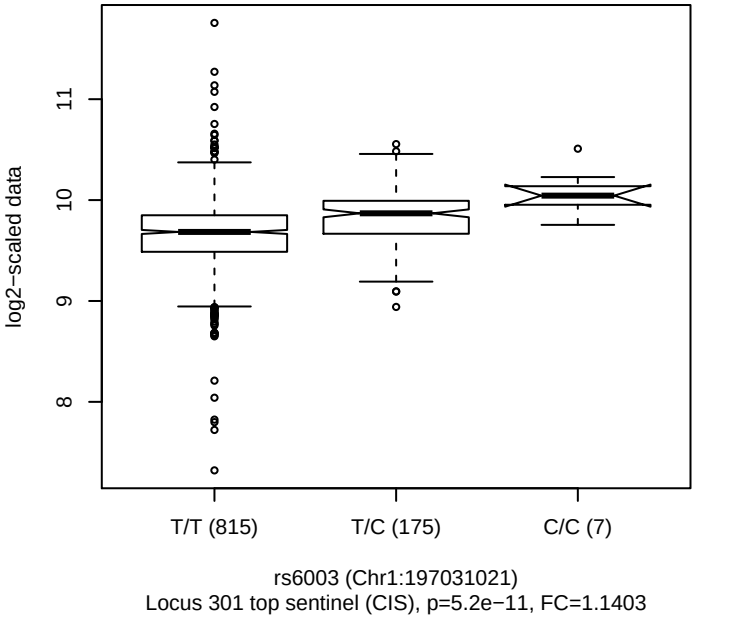

IL−1Rrp2 (Uniprot: Q9HB29, ProbeID: 2994−71_2)
Frequency
0
50
100
150
200
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−1 receptor−like 2

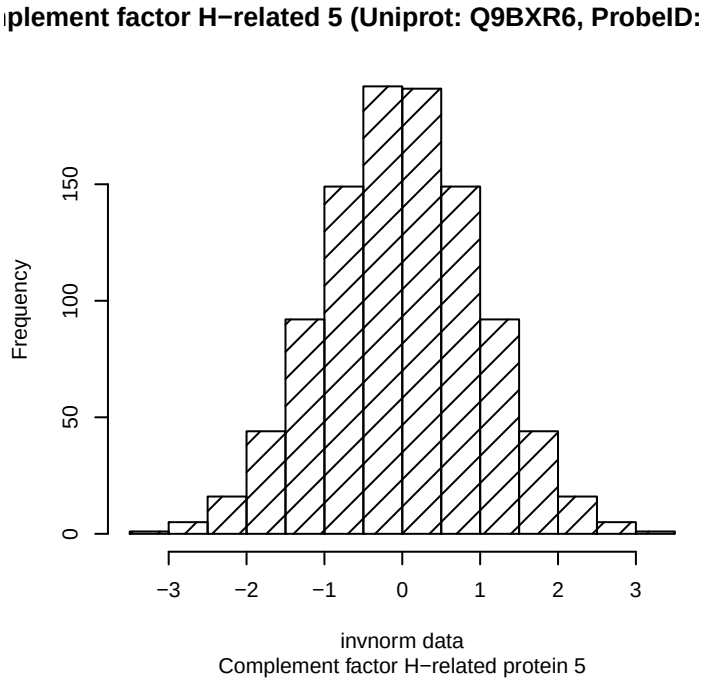

IL−1Rrp2 (Uniprot: Q9HB29, ProbeID: 2994−71_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (365)
G/A (469)
A/A (162)
rs1922291 (Chr2:102828817)
Locus 300 top sentinel (CIS), p=1.3e−14

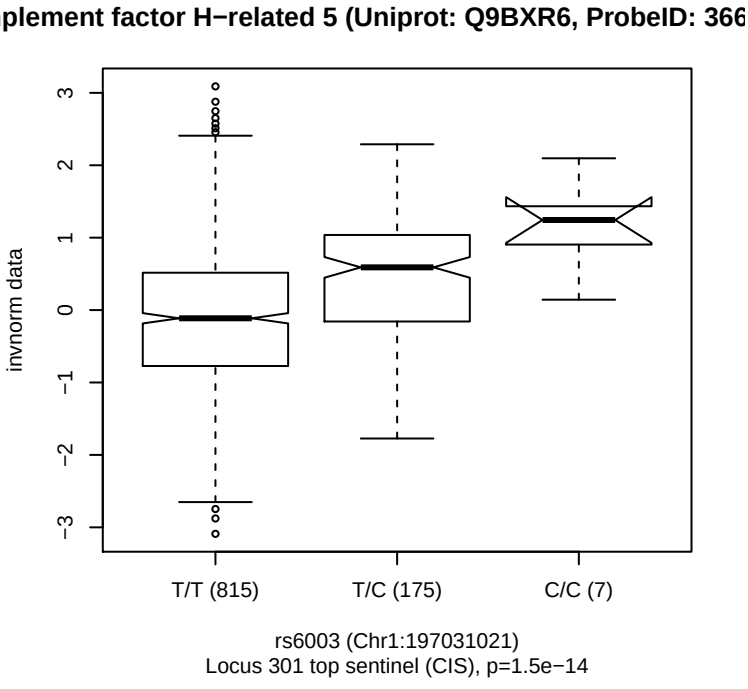

plement factor H−related 5 (Uniprot: Q9BXR6, ProbeID: 366
Frequency
0
200
400
600
800
0
500
1000
1500
2000
2500
3000
3500
raw data
Complement factor H−related protein 5

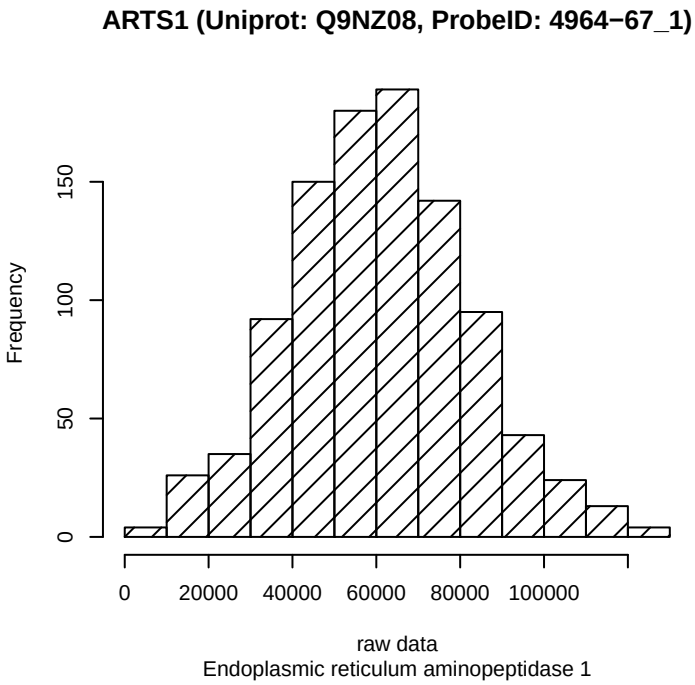

plement factor H−related 5 (Uniprot: Q9BXR6, ProbeID: 366
raw data
500
1000
1500
2000
2500
3000
3500
T/T (815)
T/C (175)
C/C (7)
rs6003 (Chr1:197031021)
Locus 301 top sentinel (CIS), p=9.3e−09

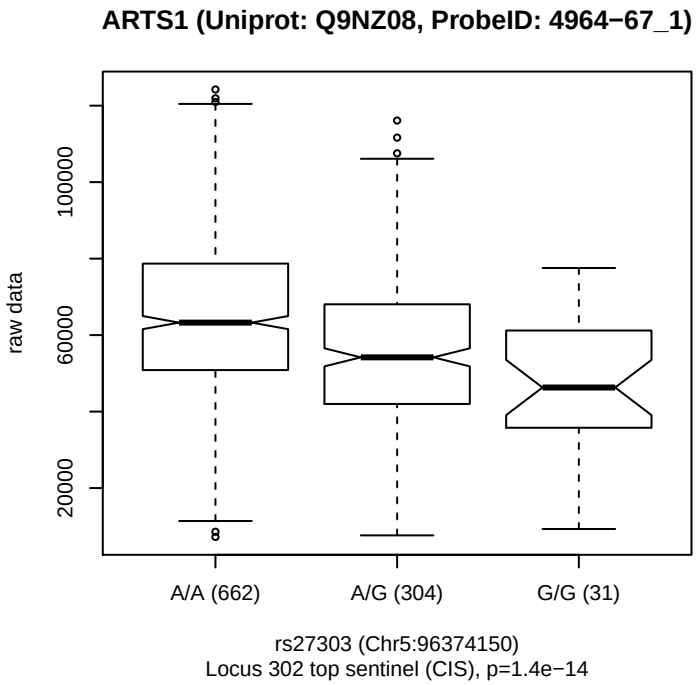

plement factor H−related 5 (Uniprot: Q9BXR6, ProbeID: 366
Frequency
0
100
200
300
400
500
600
7
8
9
10
11
12
log2−scaled data
Complement factor H−related protein 5

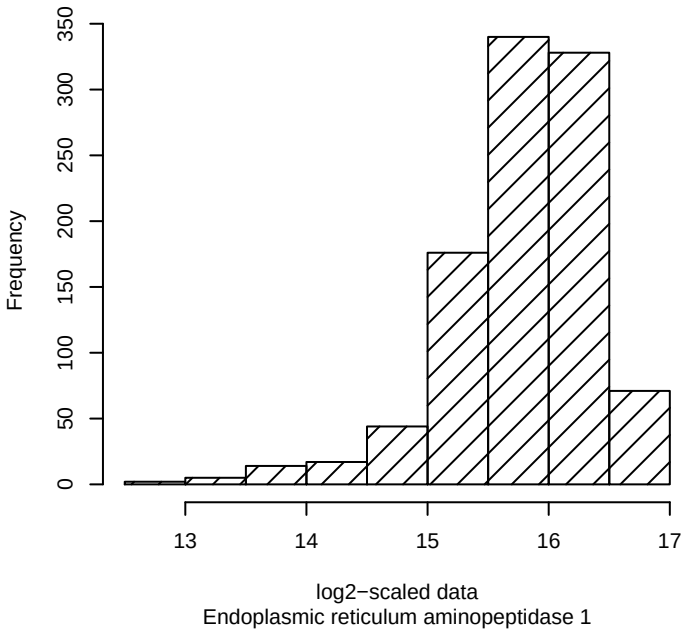

plement factor H−related 5 (Uniprot: Q9BXR6, ProbeID: 366
log2−scaled data
8
9
10
11
T/T (815)
T/C (175)
C/C (7)
rs6003 (Chr1:197031021)
Locus 301 top sentinel (CIS), p=5.2e−11, FC=1.1403

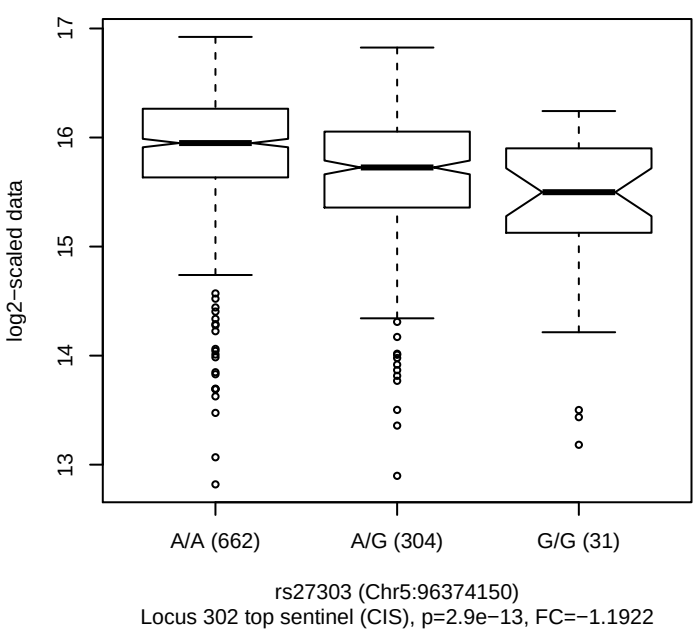

plement factor H−related 5 (Uniprot: Q9BXR6, ProbeID: 366
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Complement factor H−related protein 5

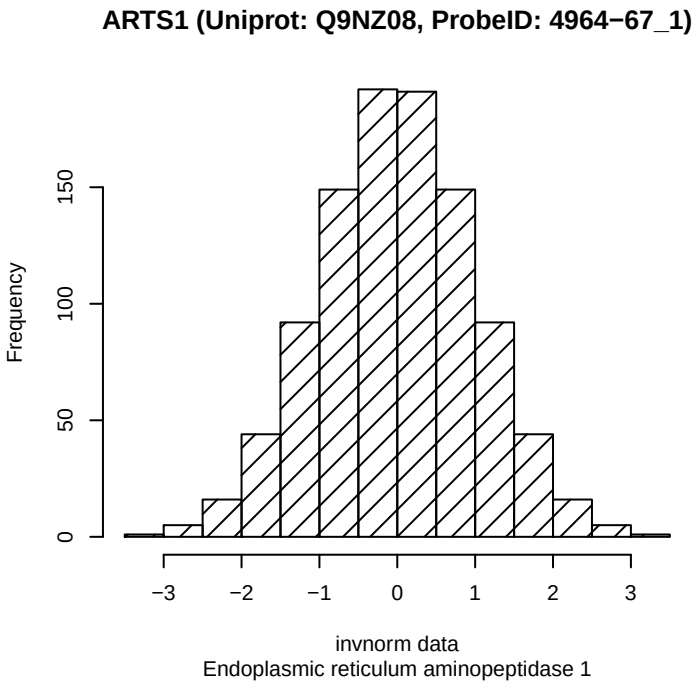

plement factor H−related 5 (Uniprot: Q9BXR6, ProbeID: 366
invnorm data
−3
−2
−1
0
1
2
3
T/T (815)
T/C (175)
C/C (7)
rs6003 (Chr1:197031021)
Locus 301 top sentinel (CIS), p=1.5e−14

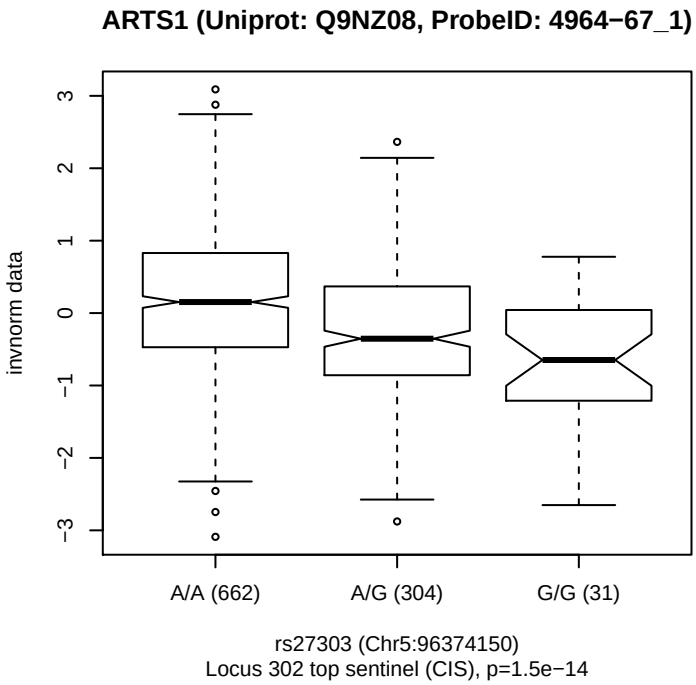

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
Frequency
0
50
100
150
0
20000
40000
60000
80000
100000
raw data
Endoplasmic reticulum aminopeptidase 1

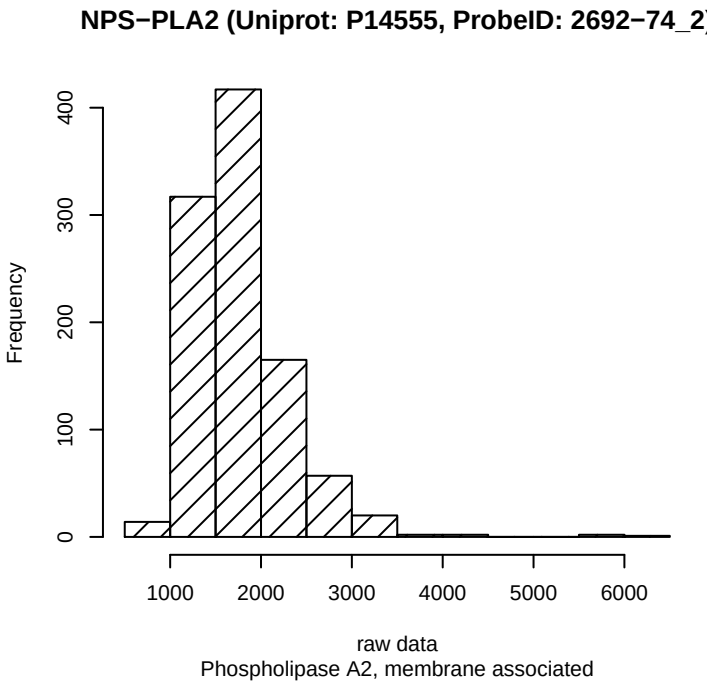

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
raw data
20000
60000
100000
A/A (662)
A/G (304)
G/G (31)
rs27303 (Chr5:96374150)
Locus 302 top sentinel (CIS), p=1.4e−14

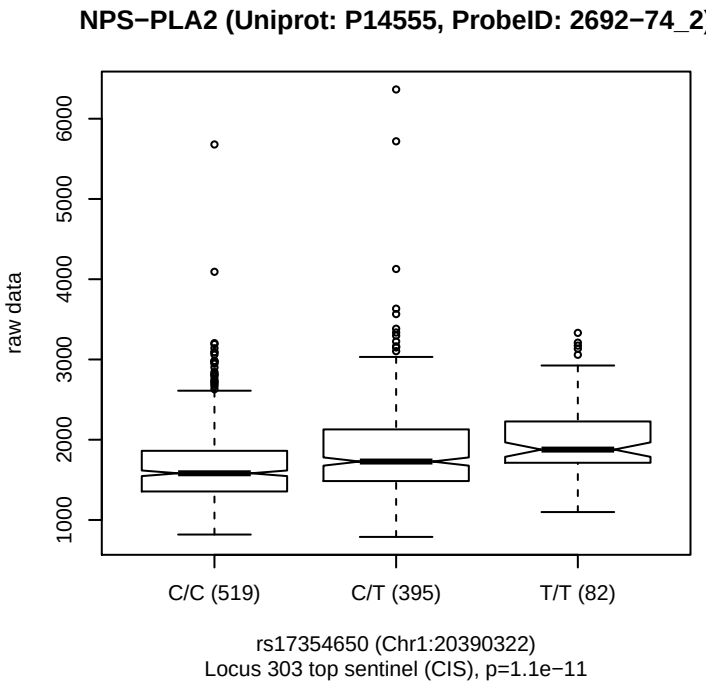

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
Frequency
0
50
100
150
200
250
300
350
13
14
15
16
17
log2−scaled data
Endoplasmic reticulum aminopeptidase 1

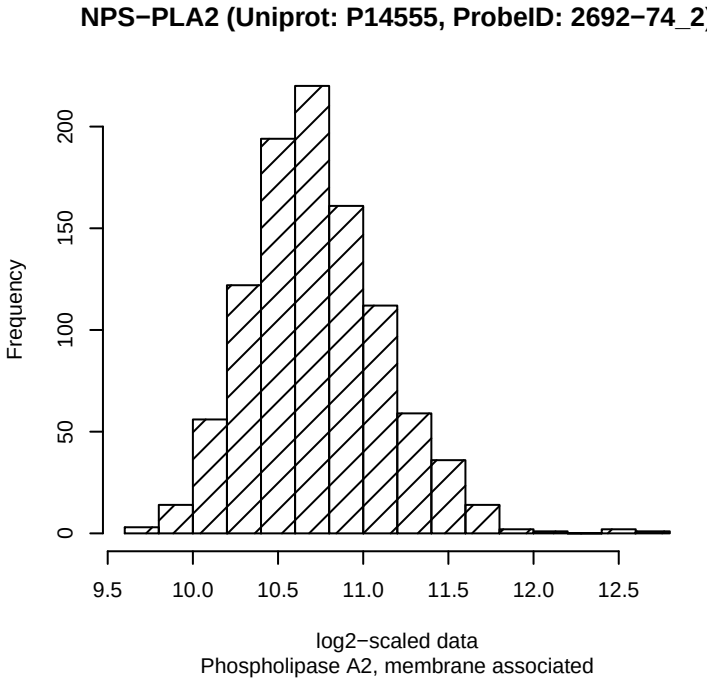

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
log2−scaled data
13
14
15
16
17
A/A (662)
A/G (304)
G/G (31)
rs27303 (Chr5:96374150)
Locus 302 top sentinel (CIS), p=2.9e−13, FC=−1.1922

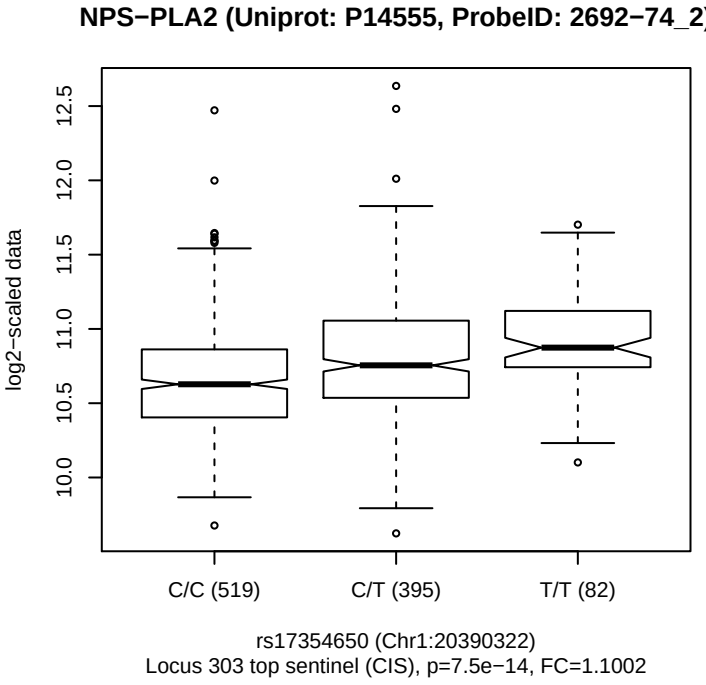

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Endoplasmic reticulum aminopeptidase 1

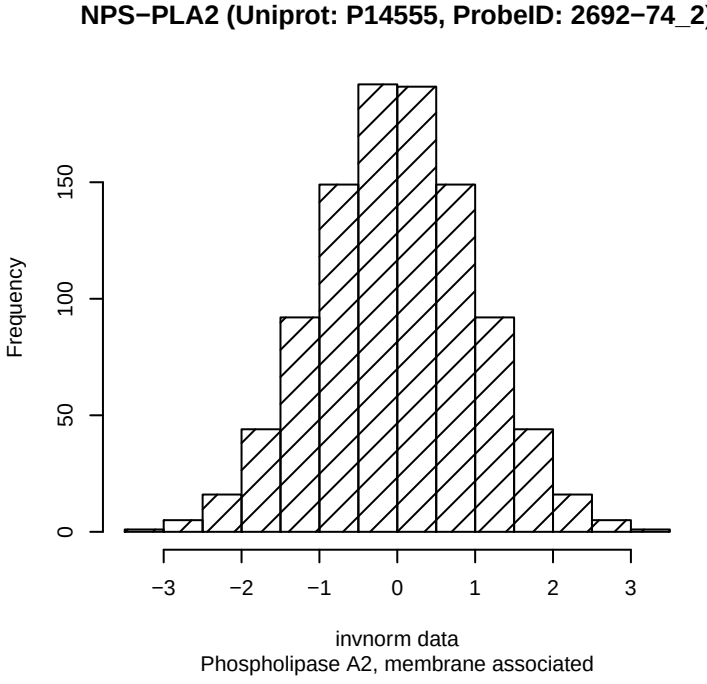

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
invnorm data
−3
−2
−1
0
1
2
3
A/A (662)
A/G (304)
G/G (31)
rs27303 (Chr5:96374150)
Locus 302 top sentinel (CIS), p=1.5e−14

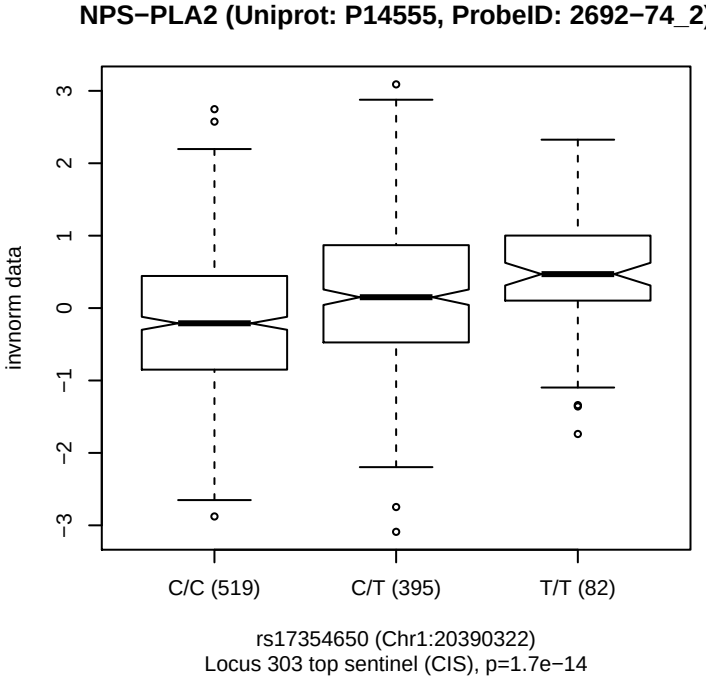

NPS−PLA2 (Uniprot: P14555, ProbeID: 2692−74_2)
Frequency
0
100
200
300
400
1000
2000
3000
4000
5000
6000
raw data
Phospholipase A2, membrane associated

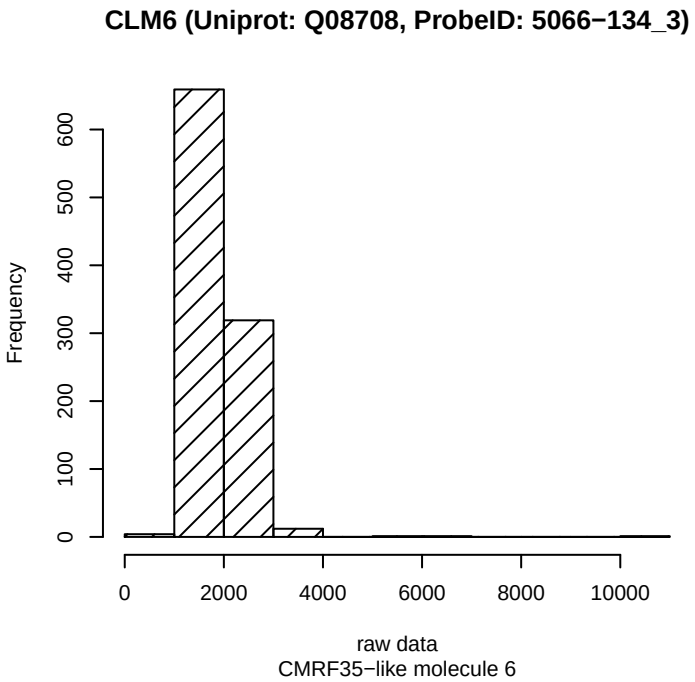

NPS−PLA2 (Uniprot: P14555, ProbeID: 2692−74_2)
raw data
1000
2000
3000
4000
5000
6000
C/C (519)
C/T (395)
T/T (82)
rs17354650 (Chr1:20390322)
Locus 303 top sentinel (CIS), p=1.1e−11

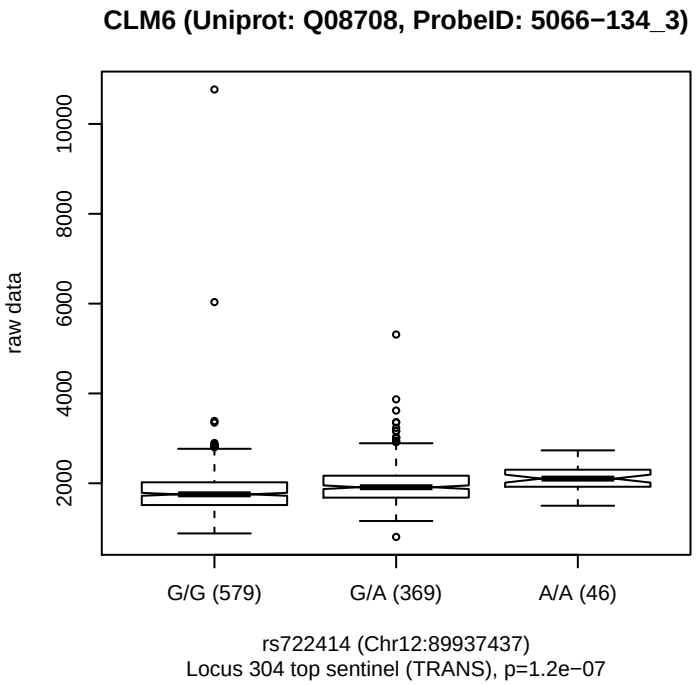

NPS−PLA2 (Uniprot: P14555, ProbeID: 2692−74_2)
Frequency
0
50
100
150
200
9.5
10.0
10.5
11.0
11.5
12.0
12.5
log2−scaled data
Phospholipase A2, membrane associated

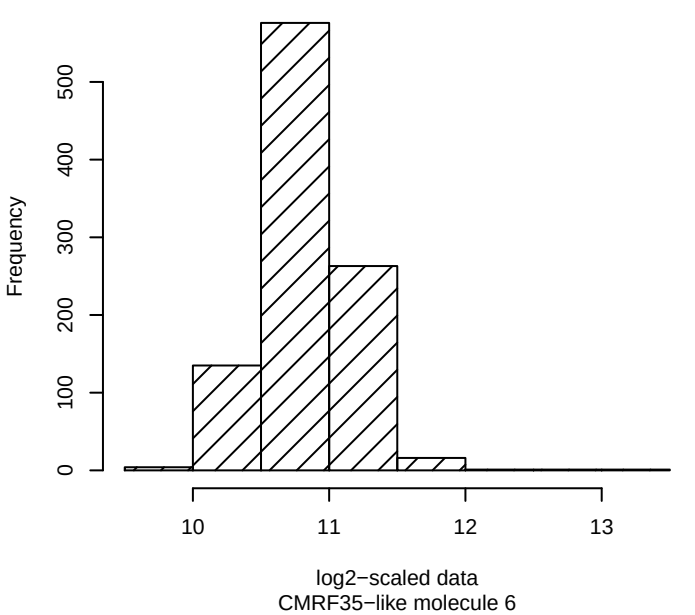

NPS−PLA2 (Uniprot: P14555, ProbeID: 2692−74_2)
log2−scaled data
10.0
10.5
11.0
11.5
12.0
12.5
C/C (519)
C/T (395)
T/T (82)
rs17354650 (Chr1:20390322)
Locus 303 top sentinel (CIS), p=7.5e−14, FC=1.1002

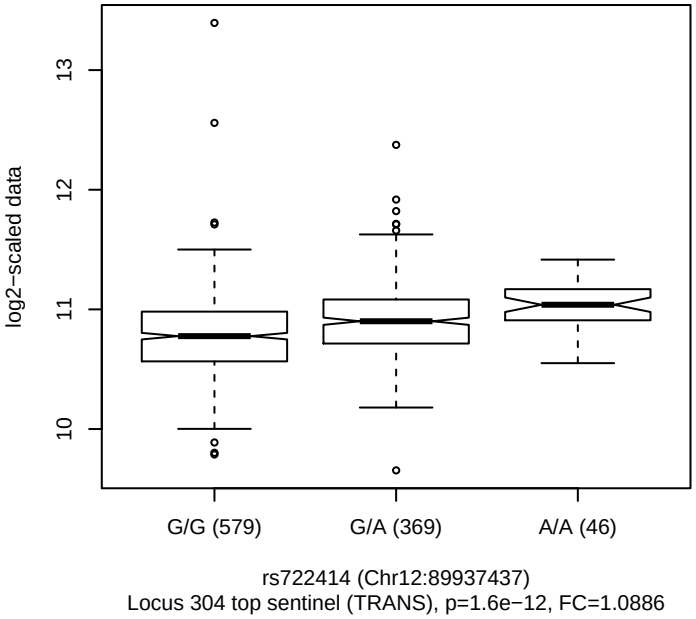

NPS−PLA2 (Uniprot: P14555, ProbeID: 2692−74_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Phospholipase A2, membrane associated

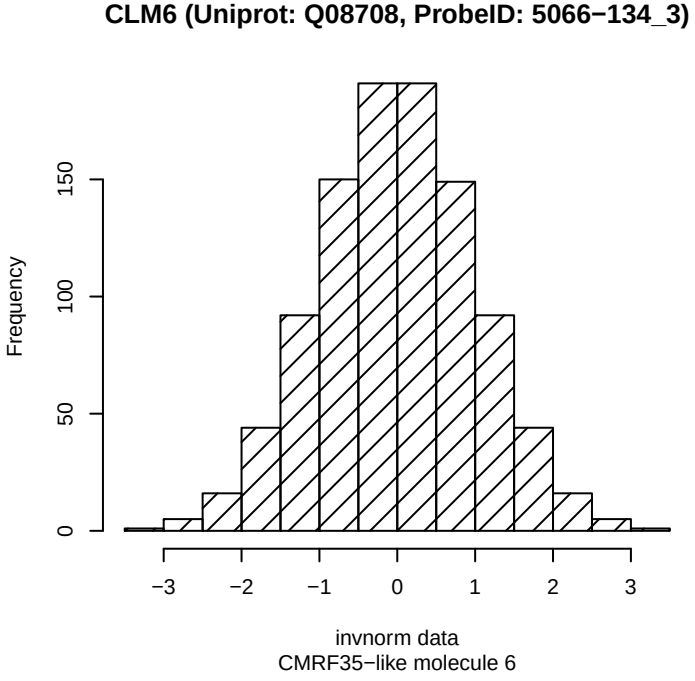

NPS−PLA2 (Uniprot: P14555, ProbeID: 2692−74_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (519)
C/T (395)
T/T (82)
rs17354650 (Chr1:20390322)
Locus 303 top sentinel (CIS), p=1.7e−14

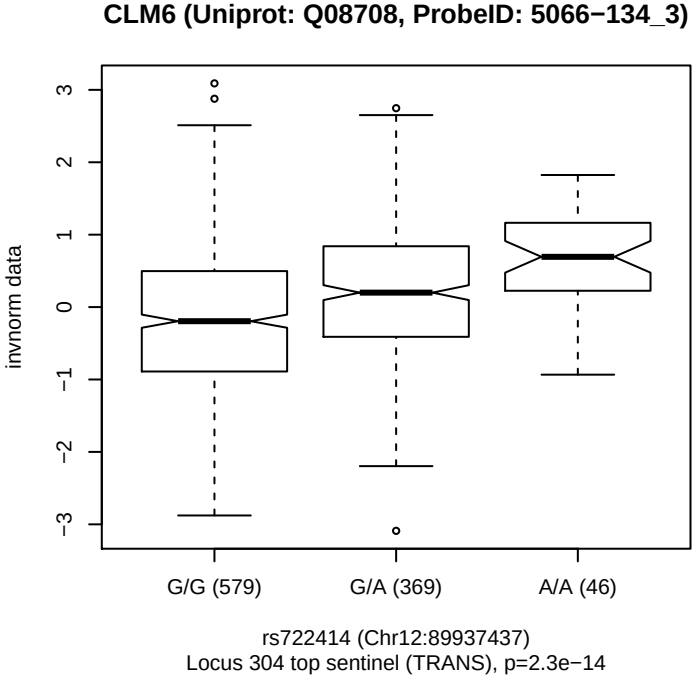

CLM6 (Uniprot: Q08708, ProbeID: 5066−134_3)
Frequency
0
100
200
300
400
500
600
0
2000
4000
6000
8000
10000
raw data
CMRF35−like molecule 6


CLM6 (Uniprot: Q08708, ProbeID: 5066−134_3)
raw data
2000
4000
6000
8000
10000
G/G (579)
G/A (369)
A/A (46)
rs722414 (Chr12:89937437)
Locus 304 top sentinel (TRANS), p=1.2e−07

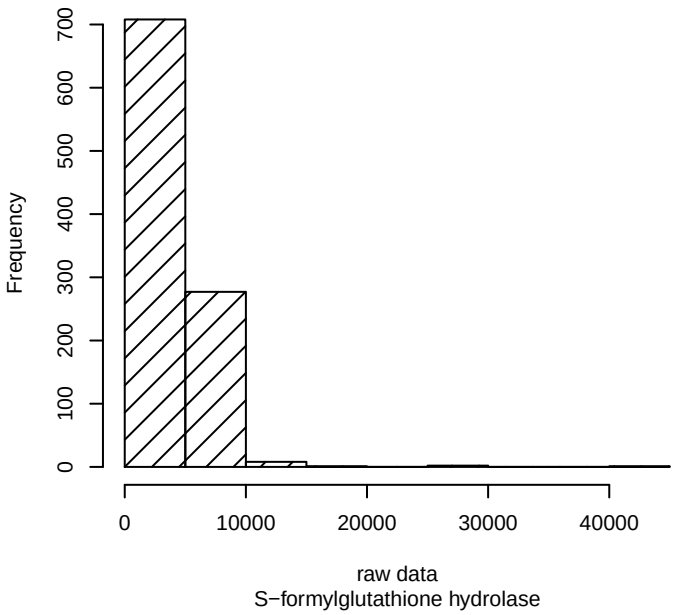

CLM6 (Uniprot: Q08708, ProbeID: 5066−134_3)
Frequency
0
100
200
300
400
500
10
11
12
13
log2−scaled data
CMRF35−like molecule 6


CLM6 (Uniprot: Q08708, ProbeID: 5066−134_3)
log2−scaled data
10
11
12
13
G/G (579)
G/A (369)
A/A (46)
rs722414 (Chr12:89937437)
Locus 304 top sentinel (TRANS), p=1.6e−12, FC=1.0886

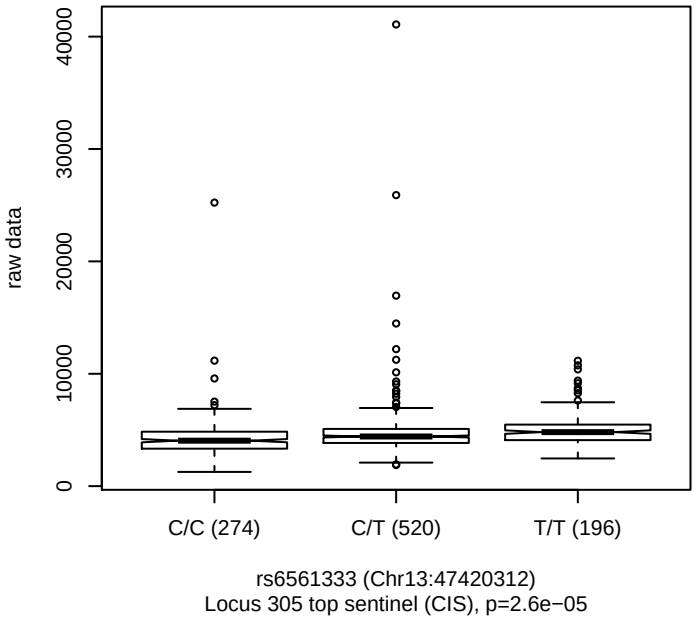

CLM6 (Uniprot: Q08708, ProbeID: 5066−134_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
CMRF35−like molecule 6


CLM6 (Uniprot: Q08708, ProbeID: 5066−134_3)
invnorm data
−3
−2
−1
0
1
2
3
G/G (579)
G/A (369)
A/A (46)
rs722414 (Chr12:89937437)
Locus 304 top sentinel (TRANS), p=2.3e−14

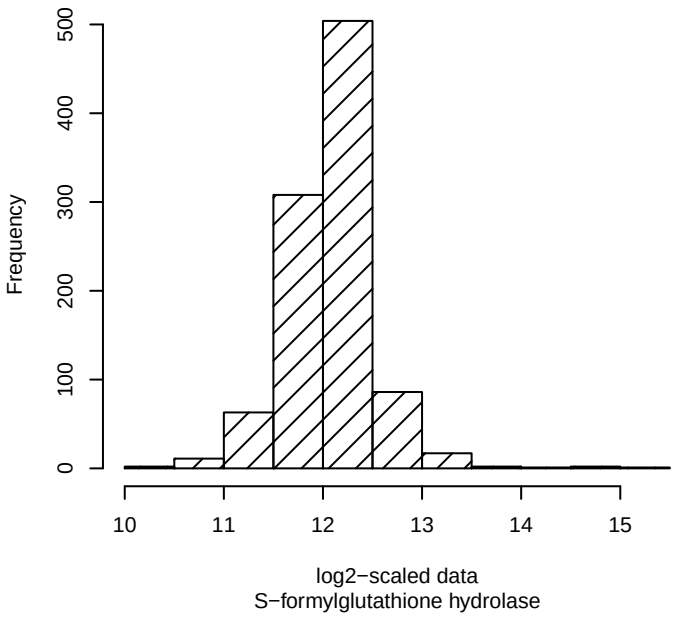
**Esterase D (Uniprot: P10768, ProbeID: 4984−83_1)**



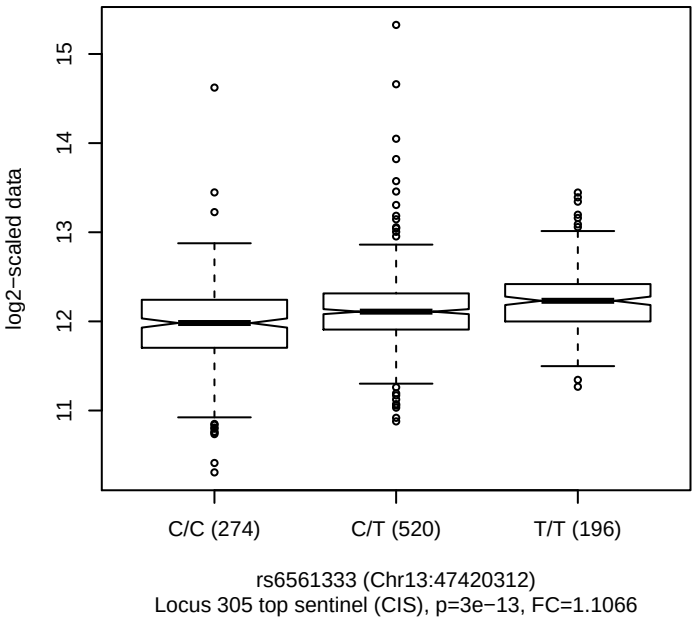

**Esterase D (Uniprot: P10768, ProbeID: 4984−83_1)**



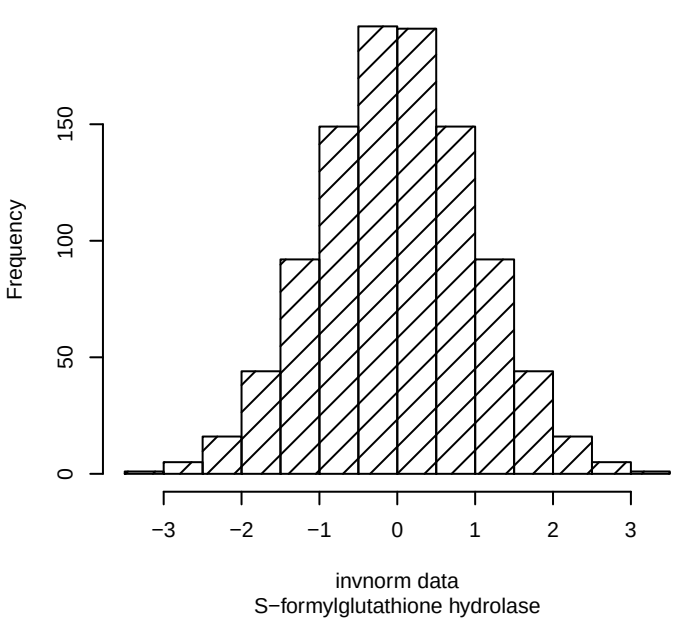

**Esterase D (Uniprot: P10768, ProbeID: 4984−83_1)**



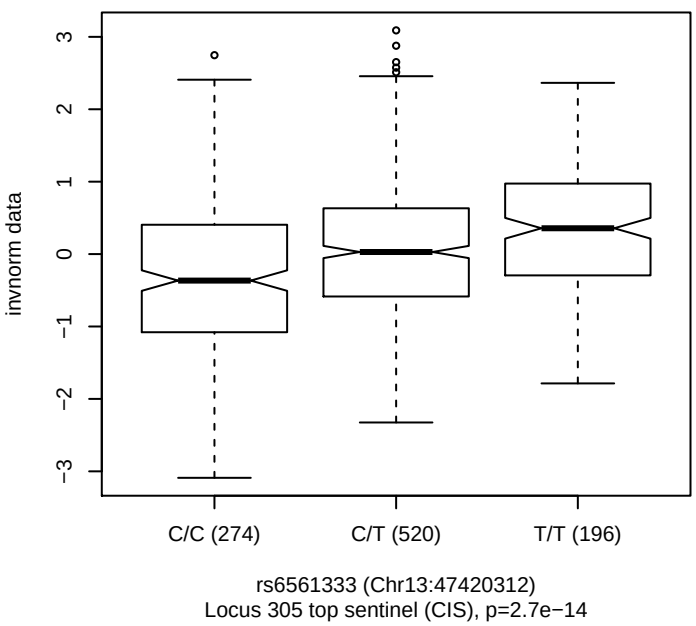

**Esterase D (Uniprot: P10768, ProbeID: 4984−83_1)**

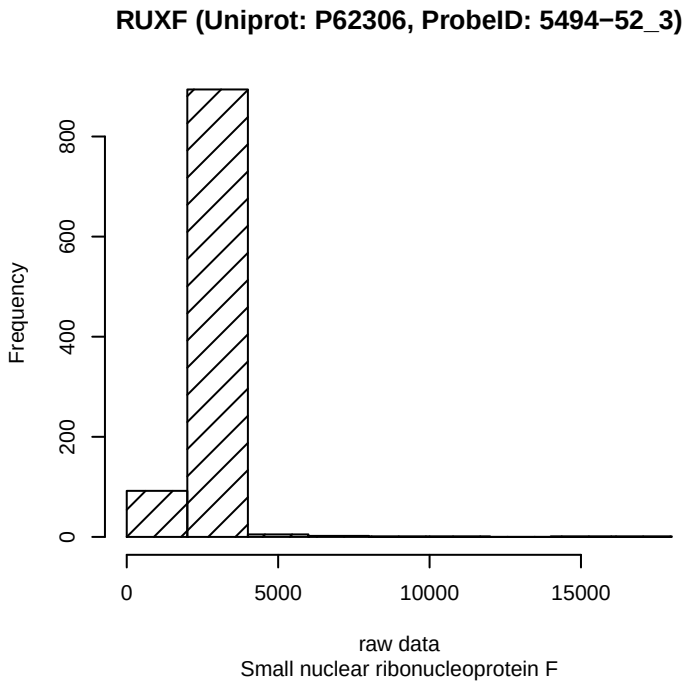


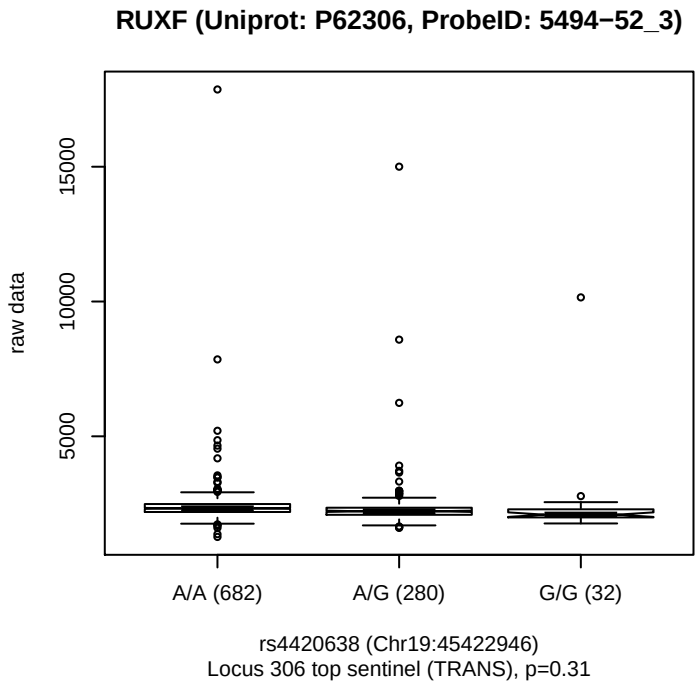

**Esterase D (Uniprot: P10768, ProbeID: 4984−83_1)**

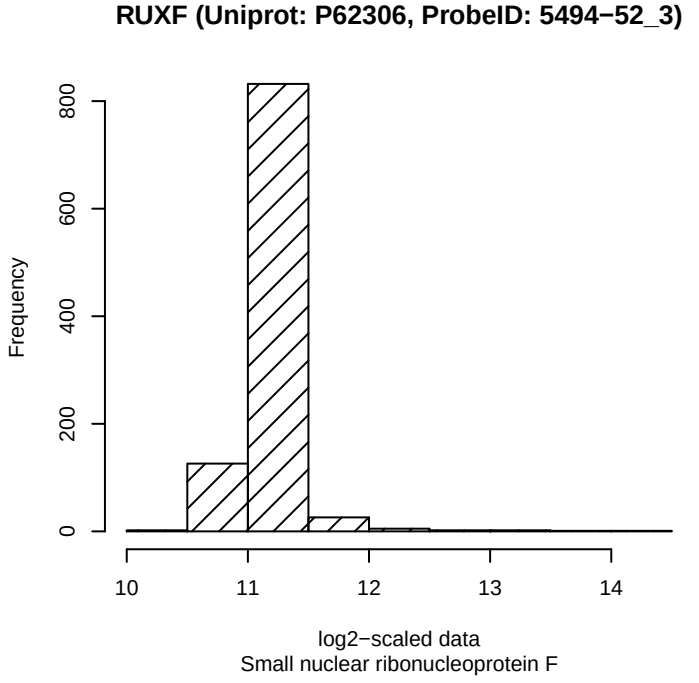


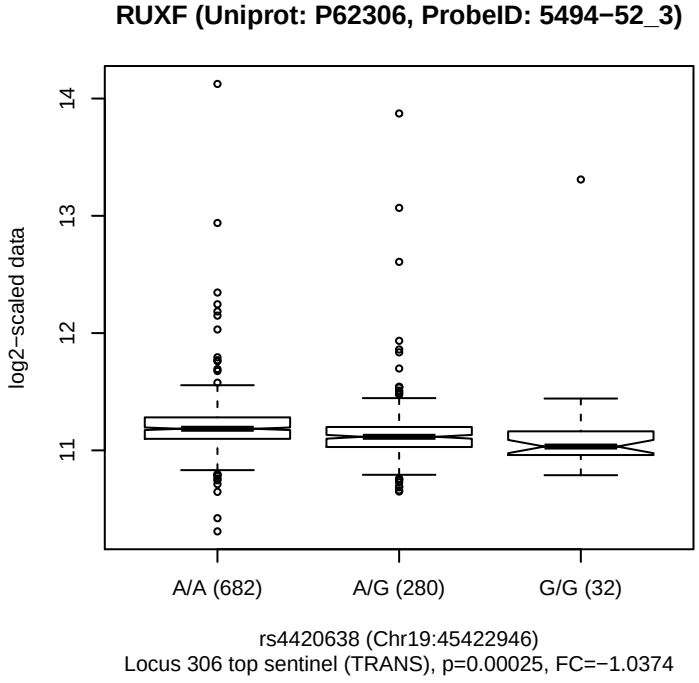

**Esterase D (Uniprot: P10768, ProbeID: 4984−83_1)**

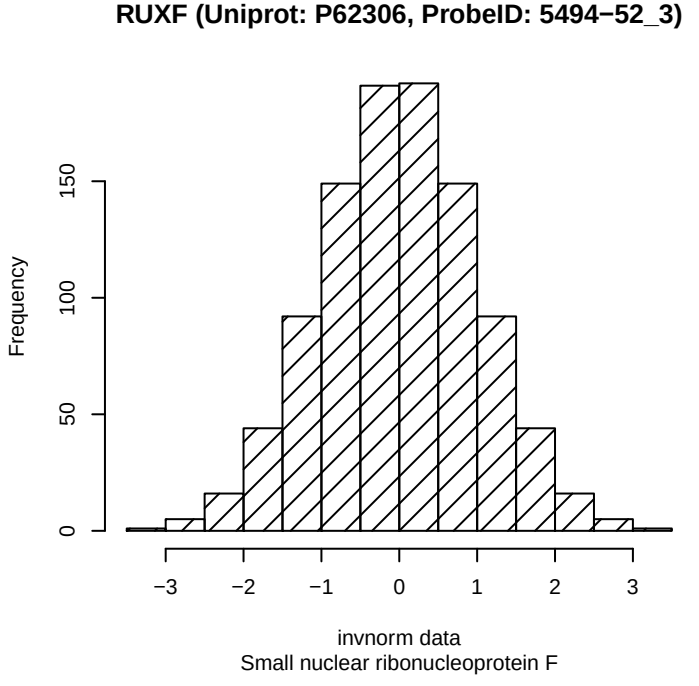


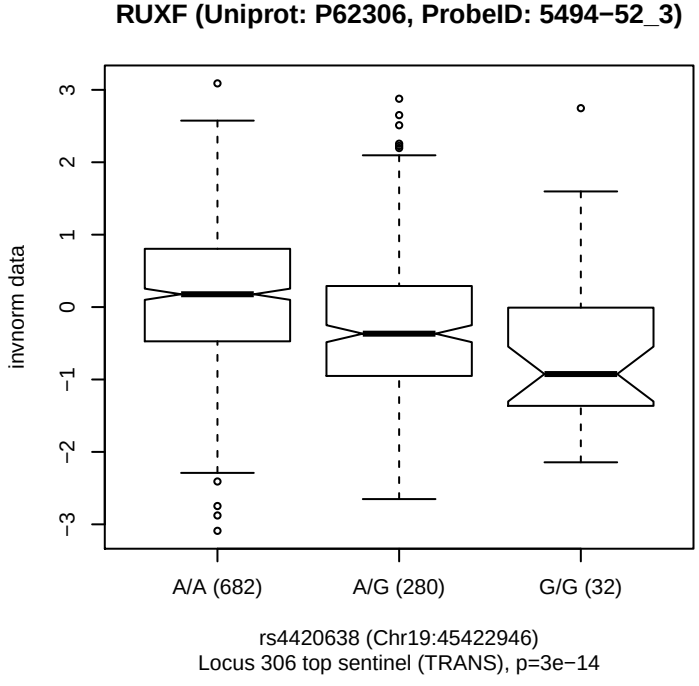

RUXF (Uniprot: P62306, ProbeID: 5494−52_3)
Frequency
0
200
400
600
800
0
5000
10000
15000
raw data
Small nuclear ribonucleoprotein F

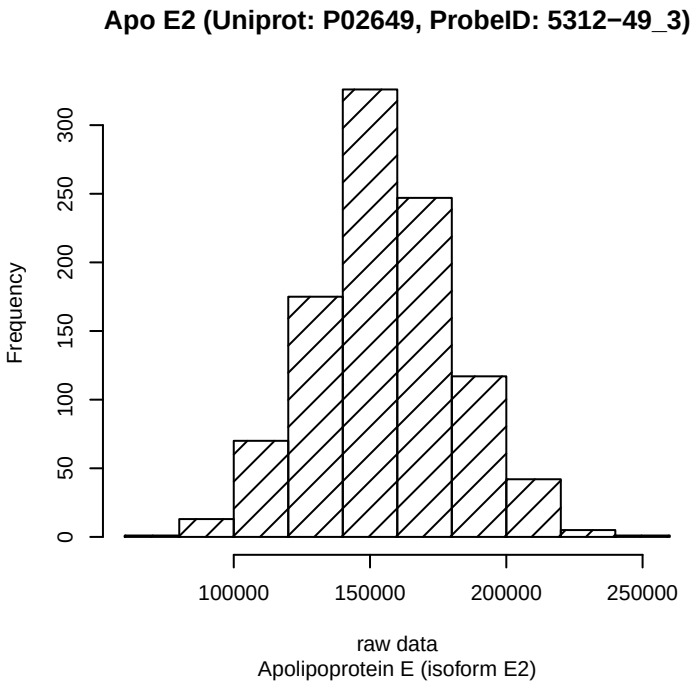

RUXF (Uniprot: P62306, ProbeID: 5494−52_3)
raw data
5000
10000
15000
A/A (682)
A/G (280)
G/G (32)
rs4420638 (Chr19:45422946)
Locus 306 top sentinel (TRANS), p=0.31

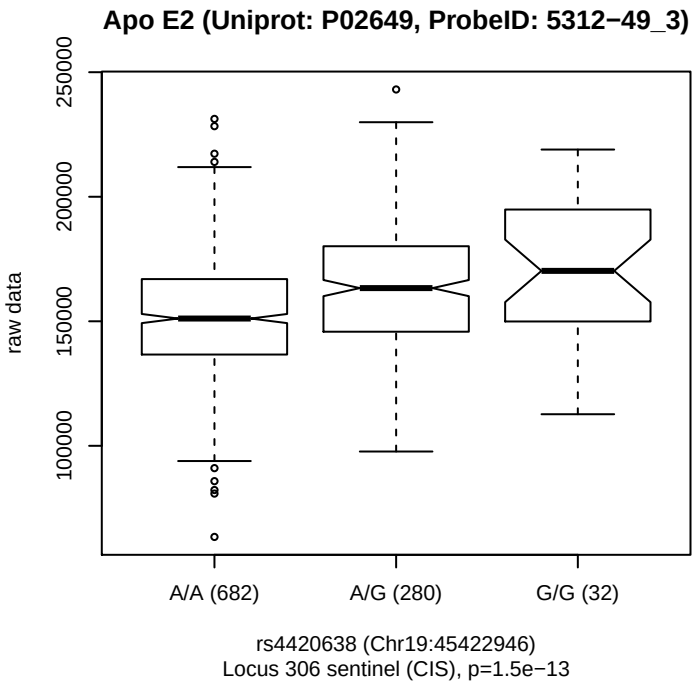

RUXF (Uniprot: P62306, ProbeID: 5494−52_3)
Frequency
0
200
400
600
800
10
11
12
13
14
log2−scaled data
Small nuclear ribonucleoprotein F

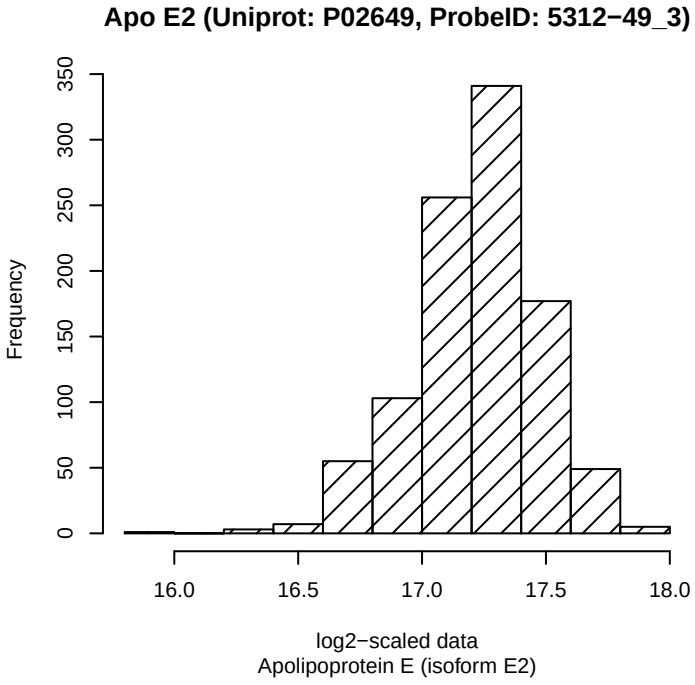

RUXF (Uniprot: P62306, ProbeID: 5494−52_3)
log2−scaled data
11
12
13
14
A/A (682)
A/G (280)
G/G (32)
rs4420638 (Chr19:45422946)
Locus 306 top sentinel (TRANS), p=0.00025, FC=−1.0374

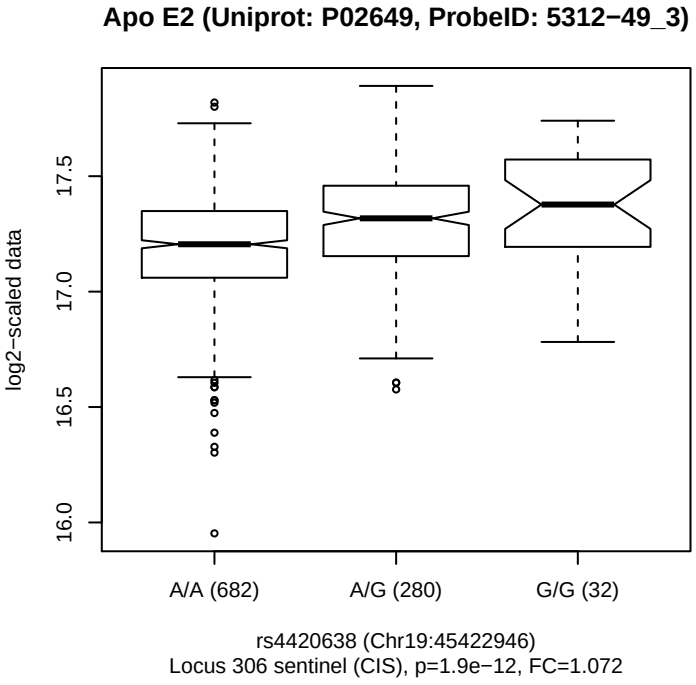

RUXF (Uniprot: P62306, ProbeID: 5494−52_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Small nuclear ribonucleoprotein F

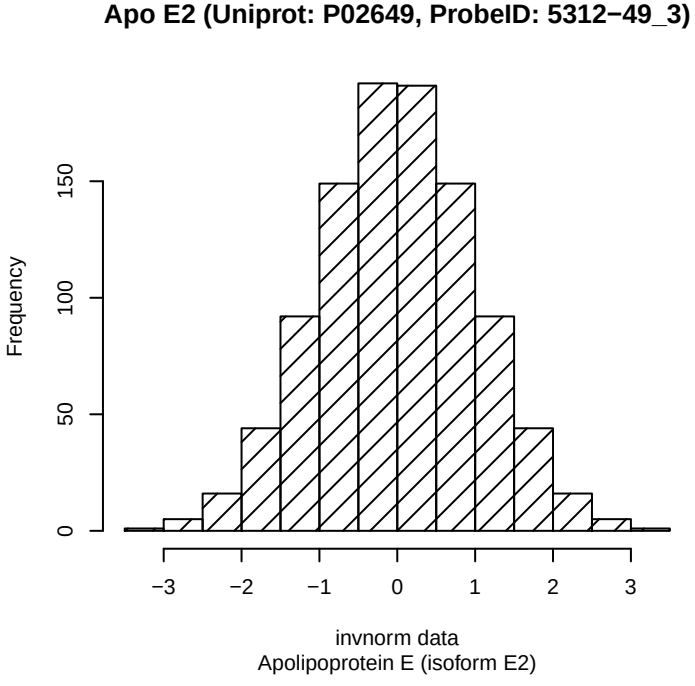

RUXF (Uniprot: P62306, ProbeID: 5494−52_3)
invnorm data
−3
−2
−1
0
1
2
3
A/A (682)
A/G (280)
G/G (32)
rs4420638 (Chr19:45422946)
Locus 306 top sentinel (TRANS), p=3e−14

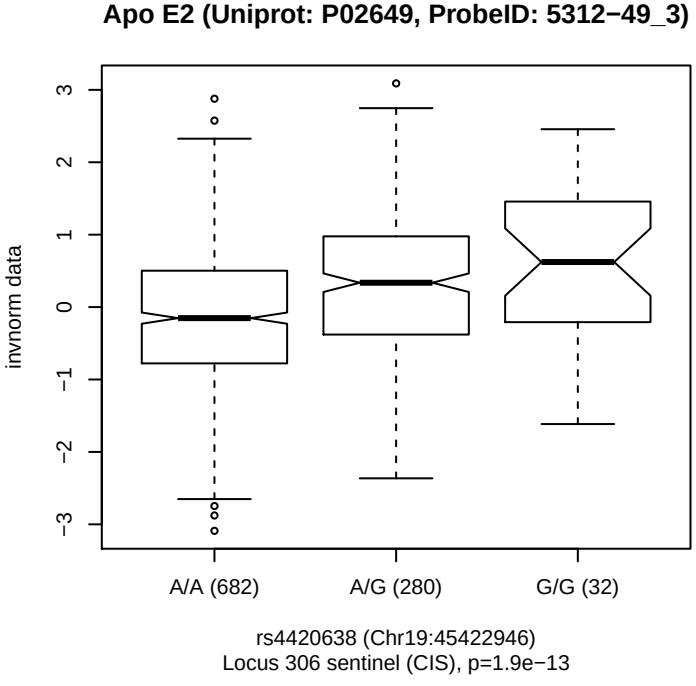

Apo E2 (Uniprot: P02649, ProbeID: 5312−49_3)
Frequency
0
50
100
150
200
250
300
100000
150000
200000
250000
raw data
Apolipoprotein E (isoform E2)

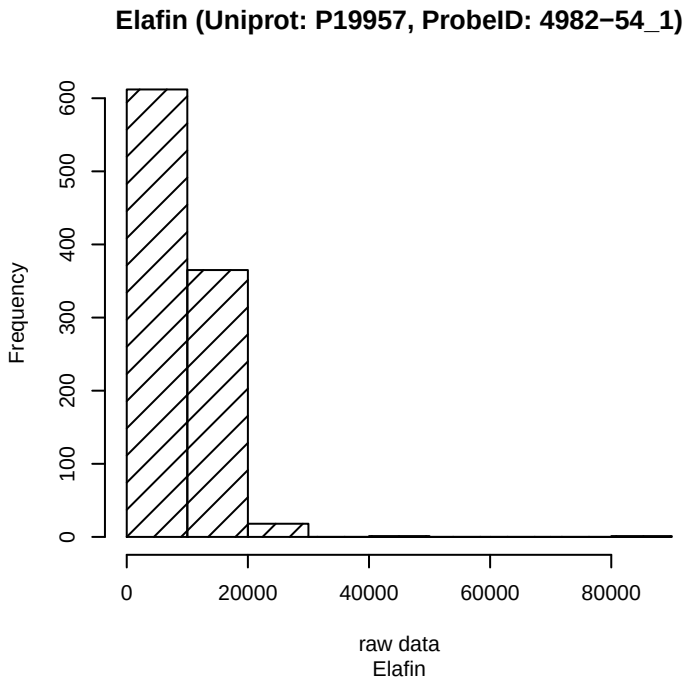

Apo E2 (Uniprot: P02649, ProbeID: 5312−49_3)
raw data
100000
150000
200000
250000
A/A (682)
A/G (280)
G/G (32)
rs4420638 (Chr19:45422946)
Locus 306 sentinel (CIS), p=1.5e−13

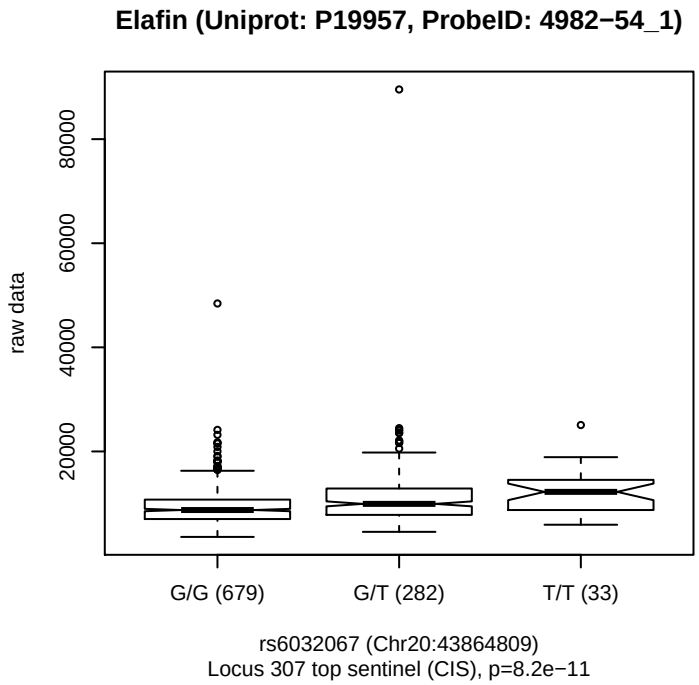

Apo E2 (Uniprot: P02649, ProbeID: 5312−49_3)
Frequency
0
50
100
150
200
250
300
350
16.0
16.5
17.0
17.5
18.0
log2−scaled data
Apolipoprotein E (isoform E2)

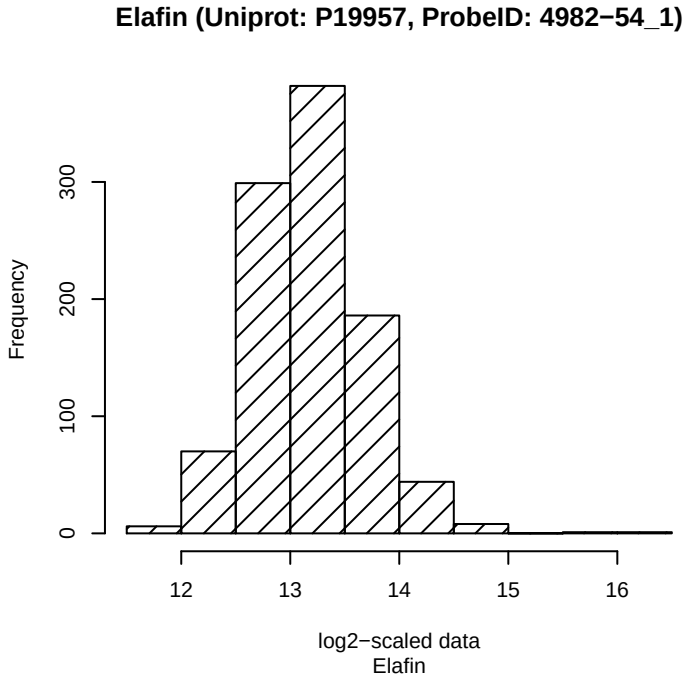

Apo E2 (Uniprot: P02649, ProbeID: 5312−49_3)
log2−scaled data
16.0
16.5
17.0
17.5
A/A (682)
A/G (280)
G/G (32)
rs4420638 (Chr19:45422946)
Locus 306 sentinel (CIS), p=1.9e−12, FC=1.072

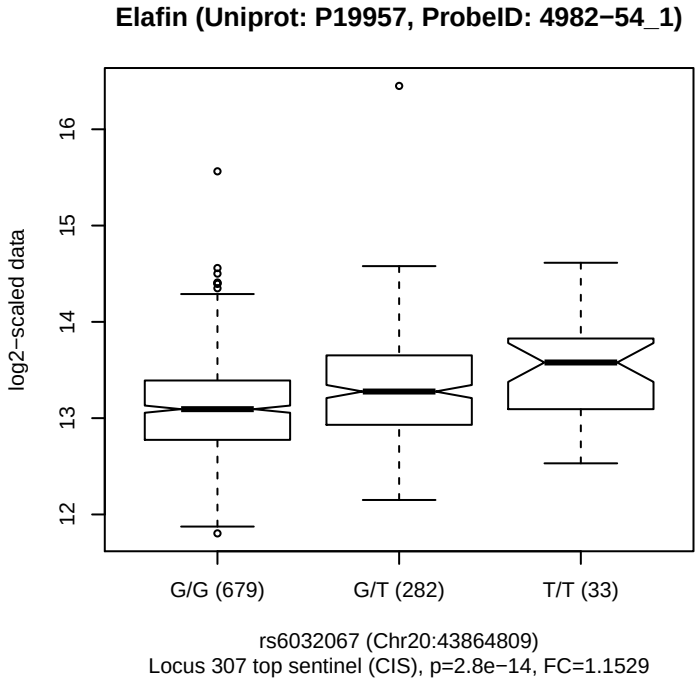

Apo E2 (Uniprot: P02649, ProbeID: 5312−49_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Apolipoprotein E (isoform E2)

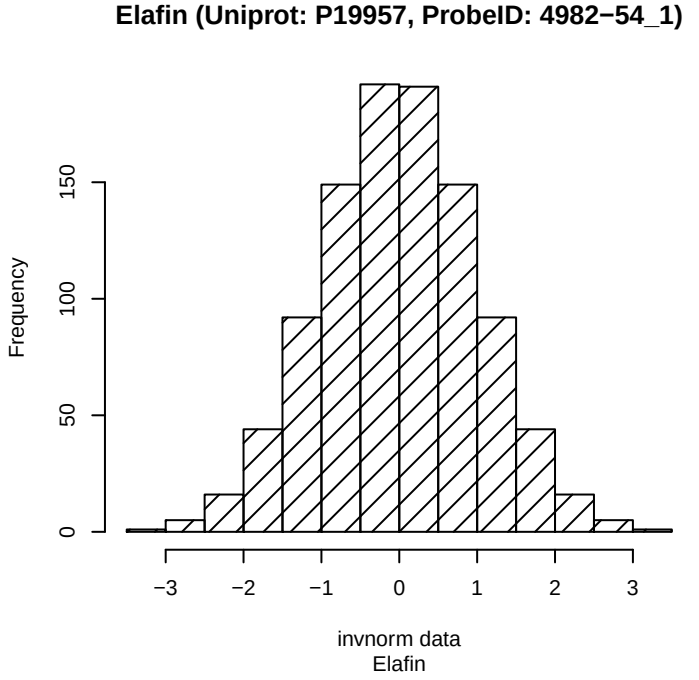

Apo E2 (Uniprot: P02649, ProbeID: 5312−49_3)
invnorm data
−3
−2
−1
0
1
2
3
A/A (682)
A/G (280)
G/G (32)
rs4420638 (Chr19:45422946)
Locus 306 sentinel (CIS), p=1.9e−13

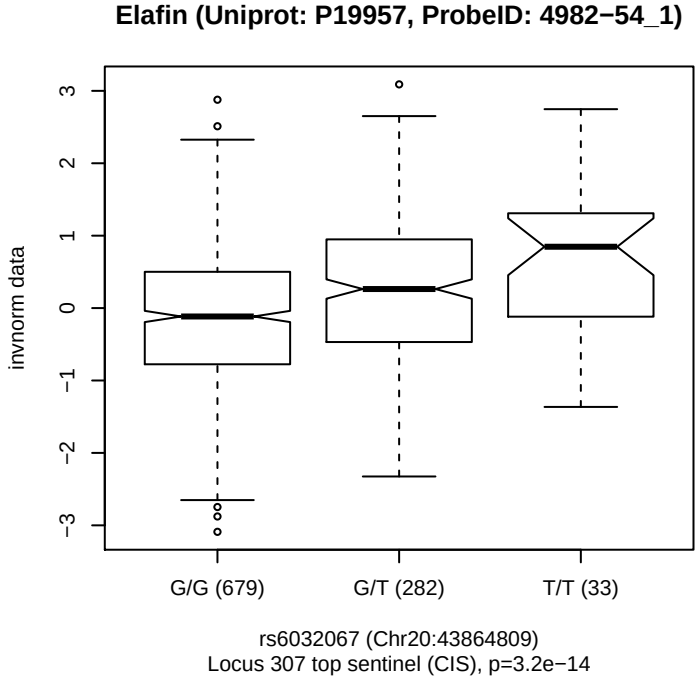

Elafin (Uniprot: P19957, ProbeID: 4982−54_1)
Frequency
0
100
200
300
400
500
600
0
20000
40000
60000
80000
raw data
Elafin

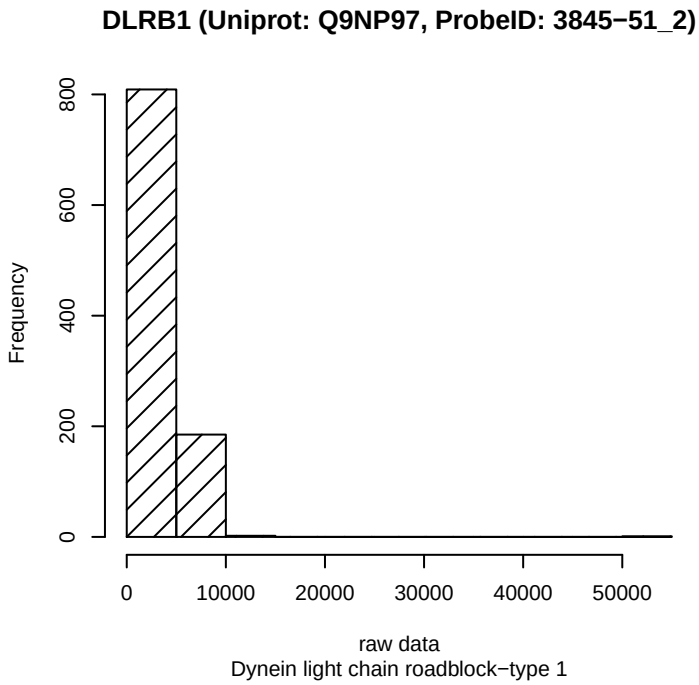

Elafin (Uniprot: P19957, ProbeID: 4982−54_1)
raw data
20000
40000
60000
80000
G/G (679)
G/T (282)
T/T (33)
rs6032067 (Chr20:43864809)
Locus 307 top sentinel (CIS), p=8.2e−11

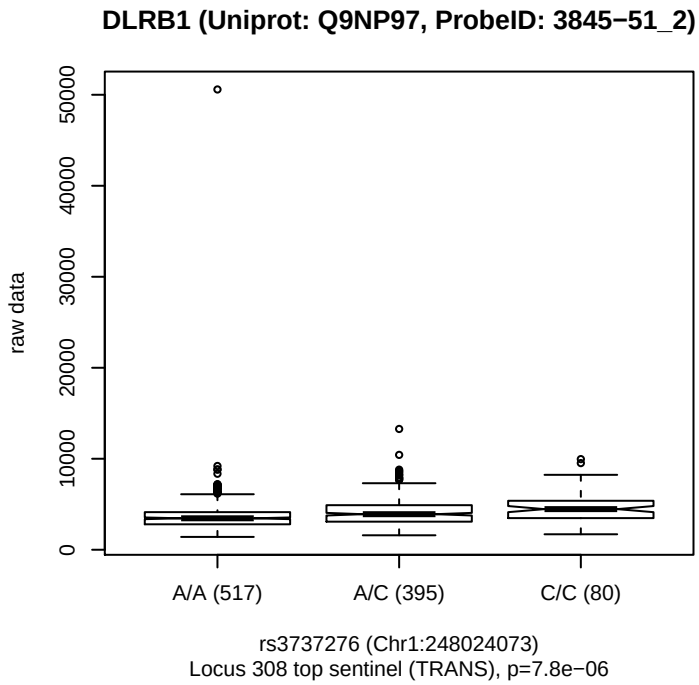

Elafin (Uniprot: P19957, ProbeID: 4982−54_1)
Frequency
0
100
200
300
12
13
14
15
16
log2−scaled data
Elafin

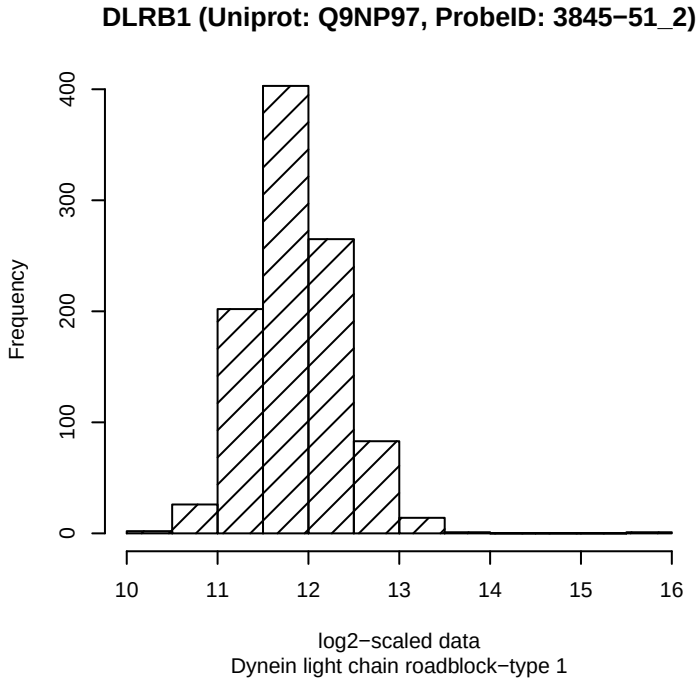

Elafin (Uniprot: P19957, ProbeID: 4982−54_1)
log2−scaled data
12
13
14
15
16
G/G (679)
G/T (282)
T/T (33)
rs6032067 (Chr20:43864809)
Locus 307 top sentinel (CIS), p=2.8e−14, FC=1.1529

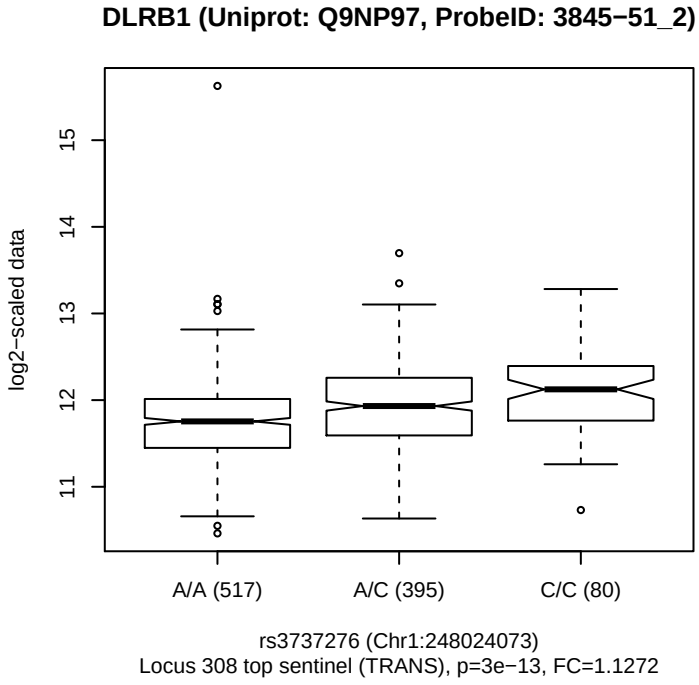

Elafin (Uniprot: P19957, ProbeID: 4982−54_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Elafin

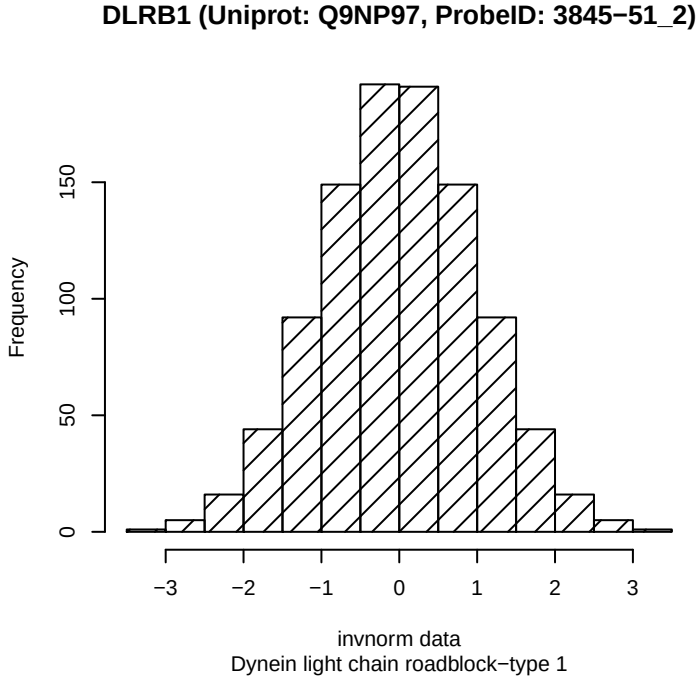

Elafin (Uniprot: P19957, ProbeID: 4982−54_1)
invnorm data
−3
−2
−1
0
1
2
3
G/G (679)
G/T (282)
T/T (33)
rs6032067 (Chr20:43864809)
Locus 307 top sentinel (CIS), p=3.2e−14

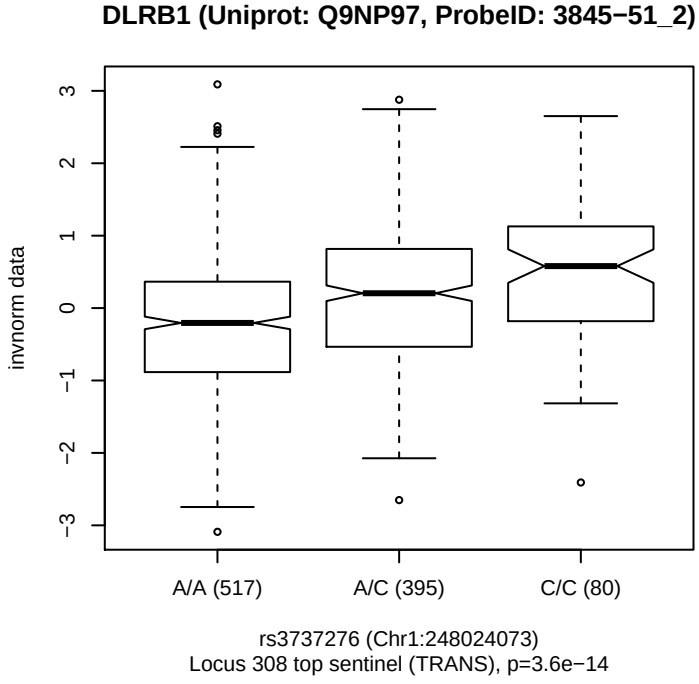

DLRB1 (Uniprot: Q9NP97, ProbeID: 3845−51_2)
Frequency
0
200
400
600
800
0
10000
20000
30000
40000
50000
raw data
Dynein light chain roadblock−type 1

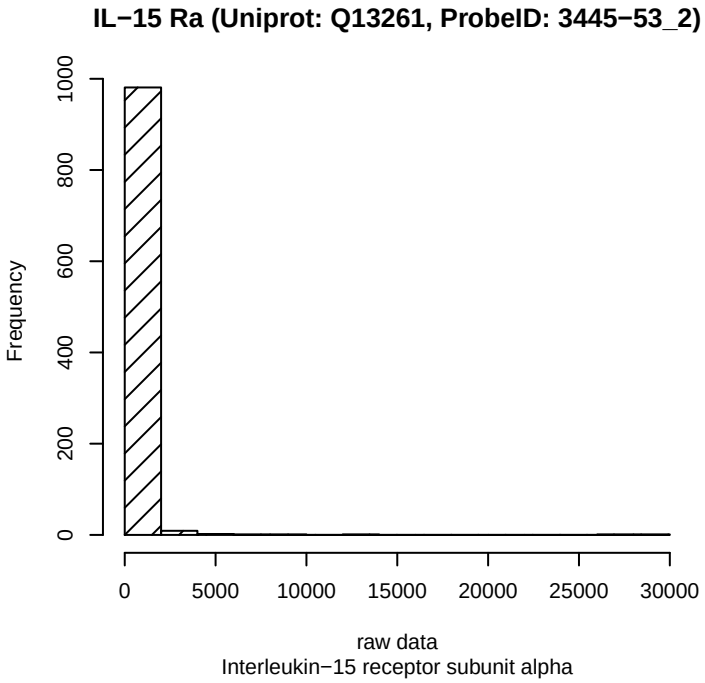

DLRB1 (Uniprot: Q9NP97, ProbeID: 3845−51_2)
raw data
0
10000
20000
30000
40000
50000
A/A (517)
A/C (395)
C/C (80)
rs3737276 (Chr1:248024073)
Locus 308 top sentinel (TRANS), p=7.8e−06

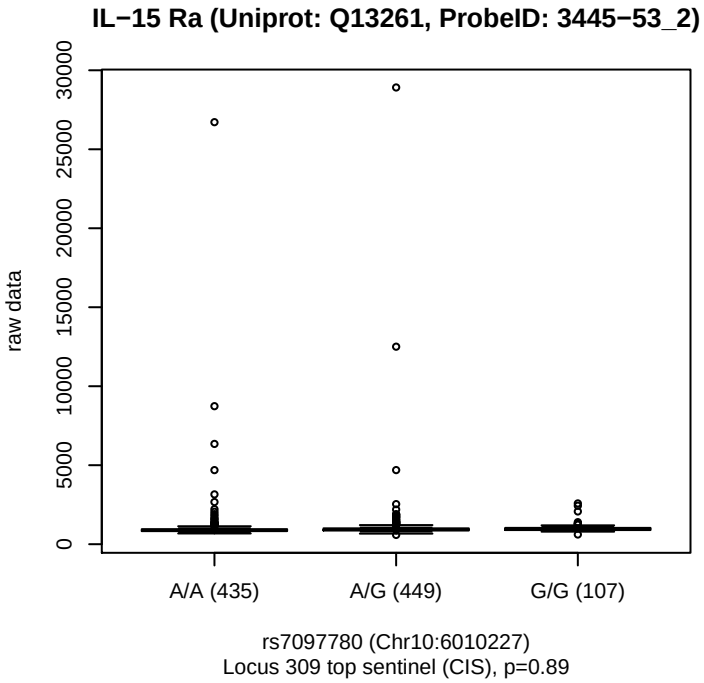

DLRB1 (Uniprot: Q9NP97, ProbeID: 3845−51_2)
Frequency
0
100
200
300
400
10
11
12
13
14
15
16
log2−scaled data
Dynein light chain roadblock−type 1

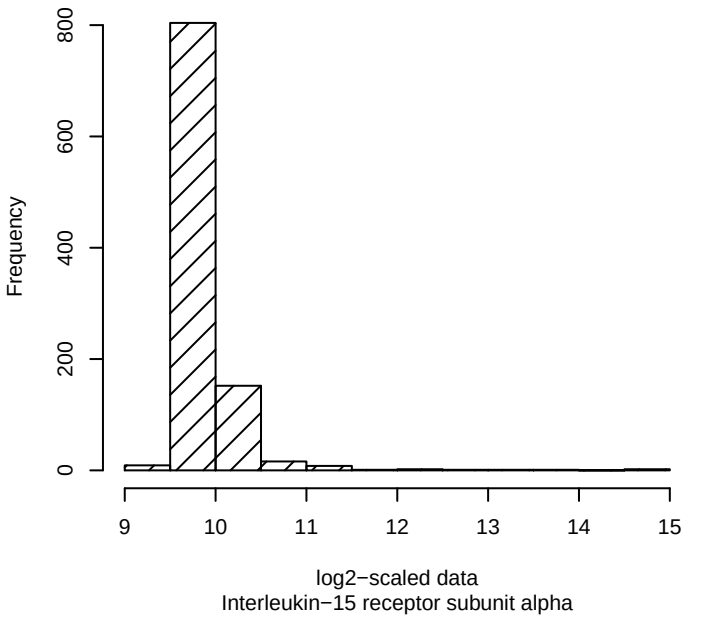

DLRB1 (Uniprot: Q9NP97, ProbeID: 3845−51_2)
log2−scaled data
11
12
13
14
15
A/A (517)
A/C (395)
C/C (80)
rs3737276 (Chr1:248024073)
Locus 308 top sentinel (TRANS), p=3e−13, FC=1.1272

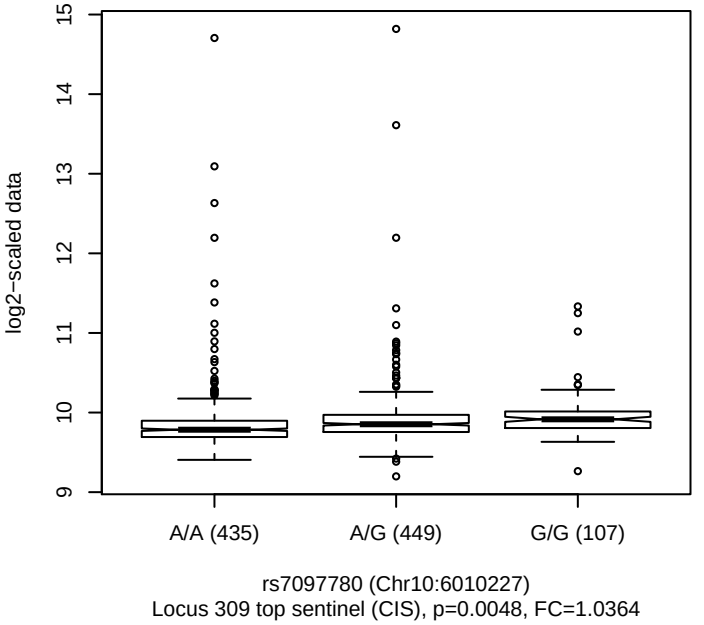

DLRB1 (Uniprot: Q9NP97, ProbeID: 3845−51_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Dynein light chain roadblock−type 1

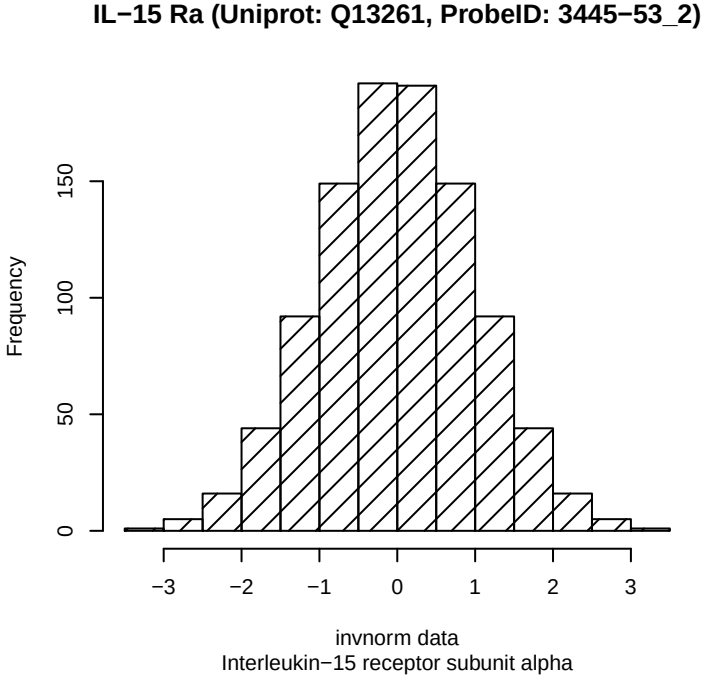

DLRB1 (Uniprot: Q9NP97, ProbeID: 3845−51_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (517)
A/C (395)
C/C (80)
rs3737276 (Chr1:248024073)
Locus 308 top sentinel (TRANS), p=3.6e−14

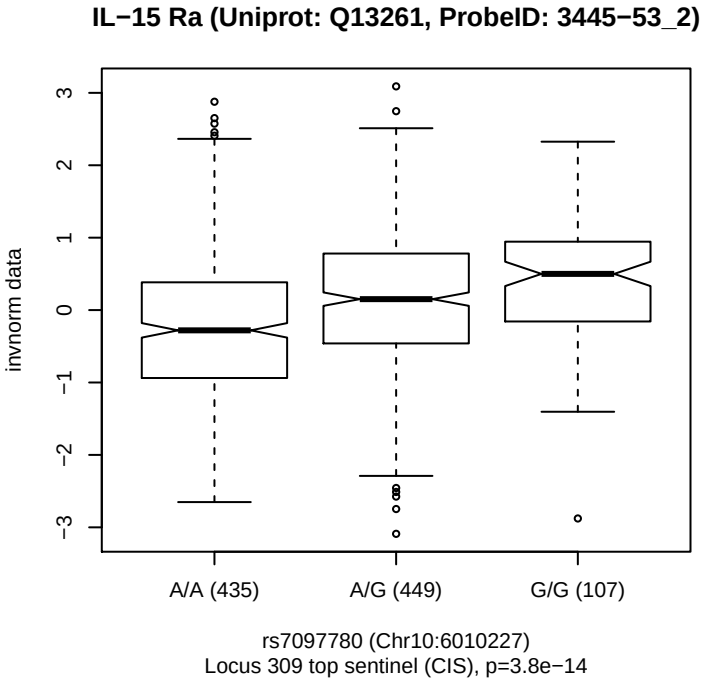

IL−15 Ra (Uniprot: Q13261, ProbeID: 3445−53_2)
Frequency
0
200
400
600
800
1000
0
5000
10000
15000
20000
25000
30000
raw data
Interleukin−15 receptor subunit alpha

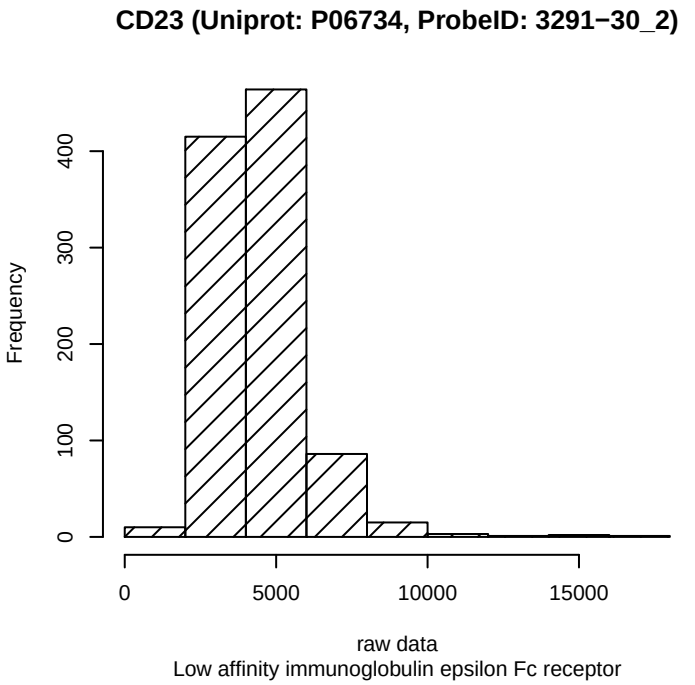

IL−15 Ra (Uniprot: Q13261, ProbeID: 3445−53_2)
raw data
0
5000
10000
15000
20000
25000
30000
A/A (435)
A/G (449)
G/G (107)
rs7097780 (Chr10:6010227)
Locus 309 top sentinel (CIS), p=0.89

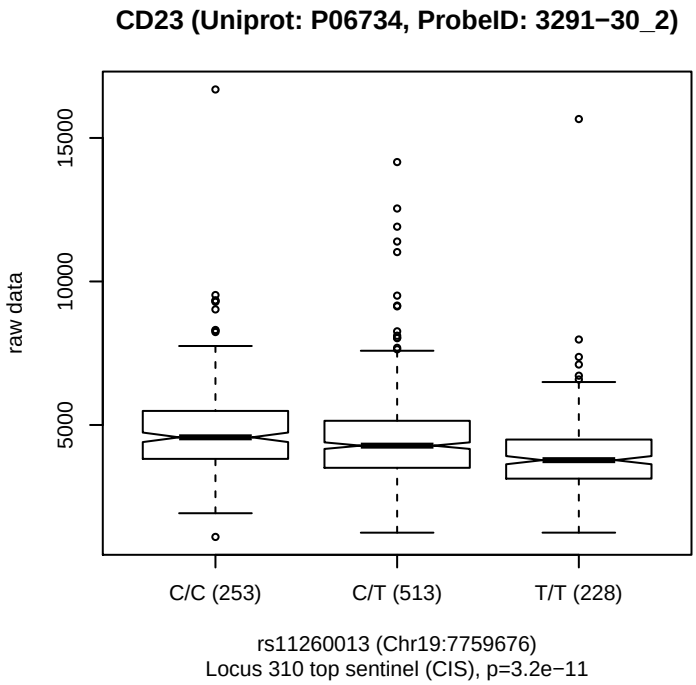

IL−15 Ra (Uniprot: Q13261, ProbeID: 3445−53_2)
Frequency
0
200
400
600
800
9
10
11
12
13
14
15
log2−scaled data
Interleukin−15 receptor subunit alpha

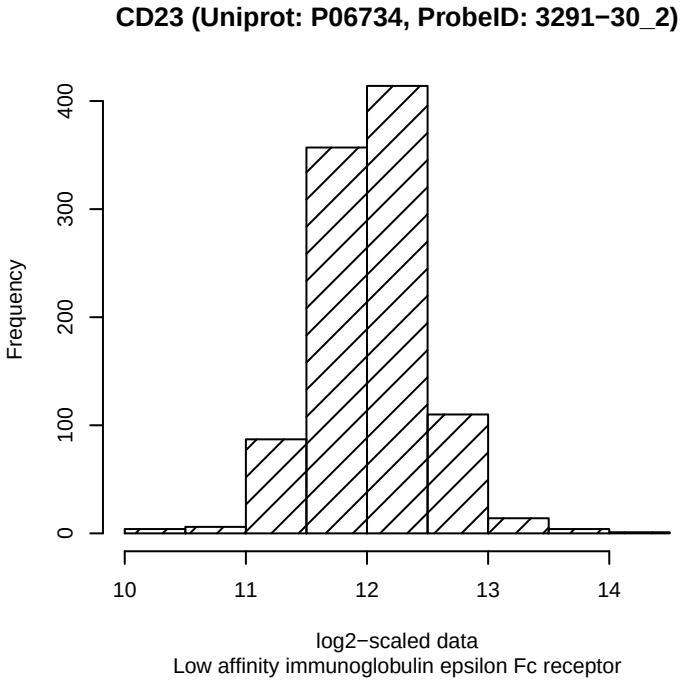

IL−15 Ra (Uniprot: Q13261, ProbeID: 3445−53_2)
log2−scaled data
9
10
11
12
13
14
15
A/A (435)
A/G (449)
G/G (107)
rs7097780 (Chr10:6010227)
Locus 309 top sentinel (CIS), p=0.0048, FC=1.0364

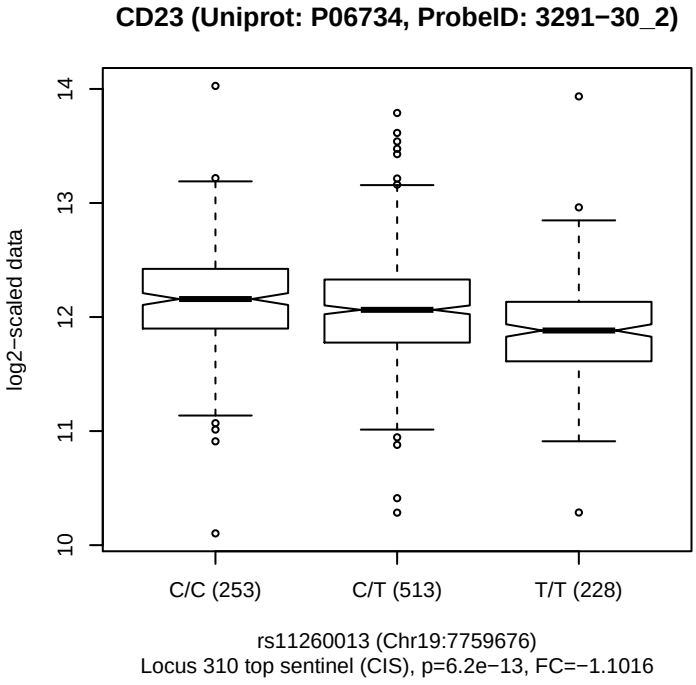

IL−15 Ra (Uniprot: Q13261, ProbeID: 3445−53_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−15 receptor subunit alpha

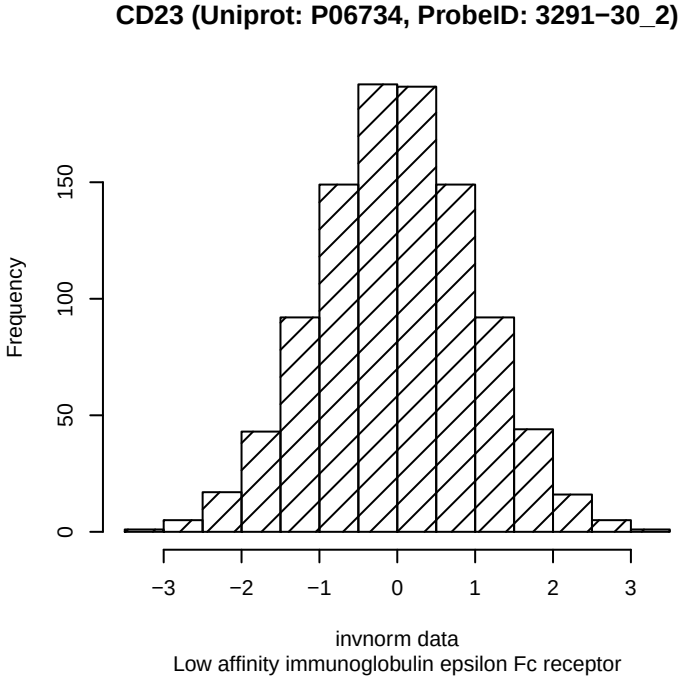

IL−15 Ra (Uniprot: Q13261, ProbeID: 3445−53_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (435)
A/G (449)
G/G (107)
rs7097780 (Chr10:6010227)
Locus 309 top sentinel (CIS), p=3.8e−14

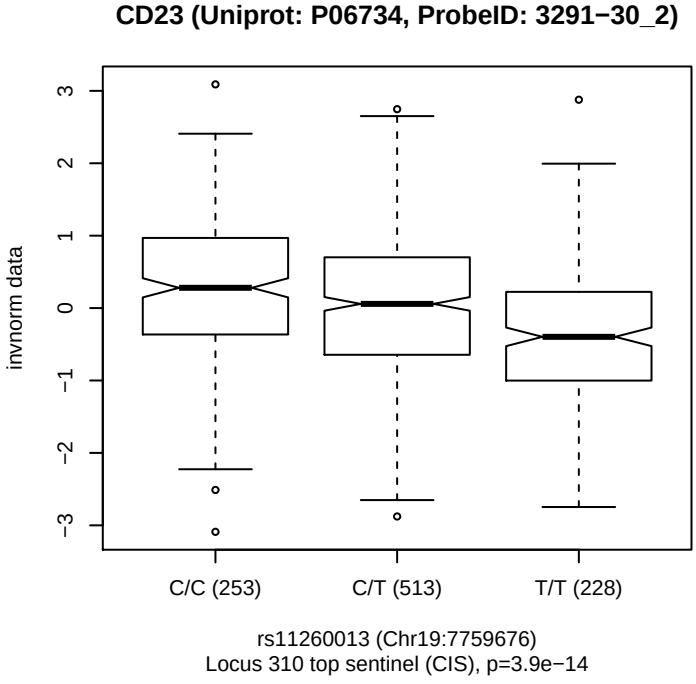

CD23 (Uniprot: P06734, ProbeID: 3291−30_2)
Frequency
0
100
200
300
400
0
5000
10000
15000
raw data
Low affinity immunoglobulin epsilon Fc receptor

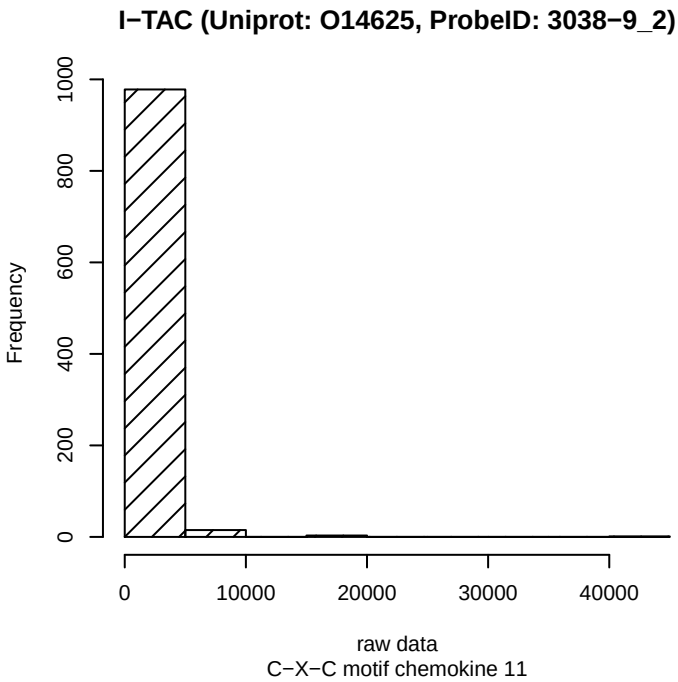

CD23 (Uniprot: P06734, ProbeID: 3291−30_2)
raw data
5000
10000
15000
C/C (253)
C/T (513)
T/T (228)
rs11260013 (Chr19:7759676)
Locus 310 top sentinel (CIS), p=3.2e−11

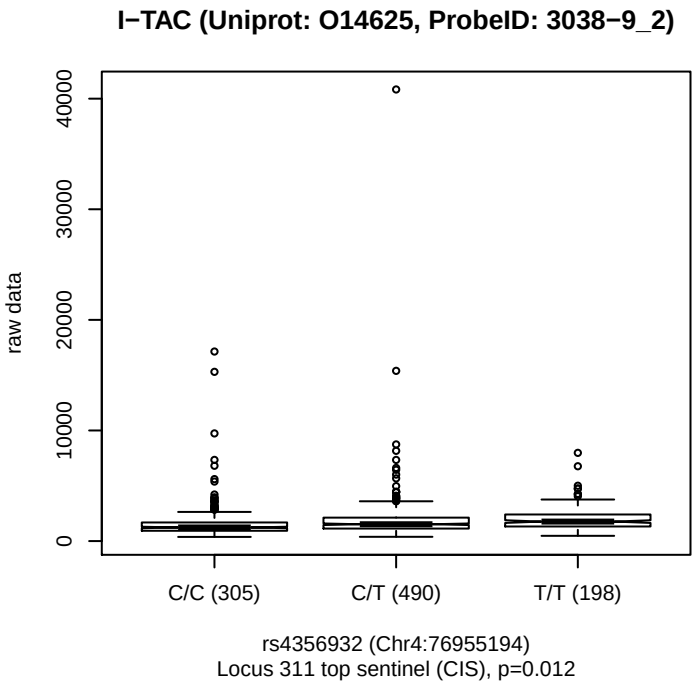

CD23 (Uniprot: P06734, ProbeID: 3291−30_2)
Frequency
0
100
200
300
400
10
11
12
13
14
log2−scaled data
Low affinity immunoglobulin epsilon Fc receptor

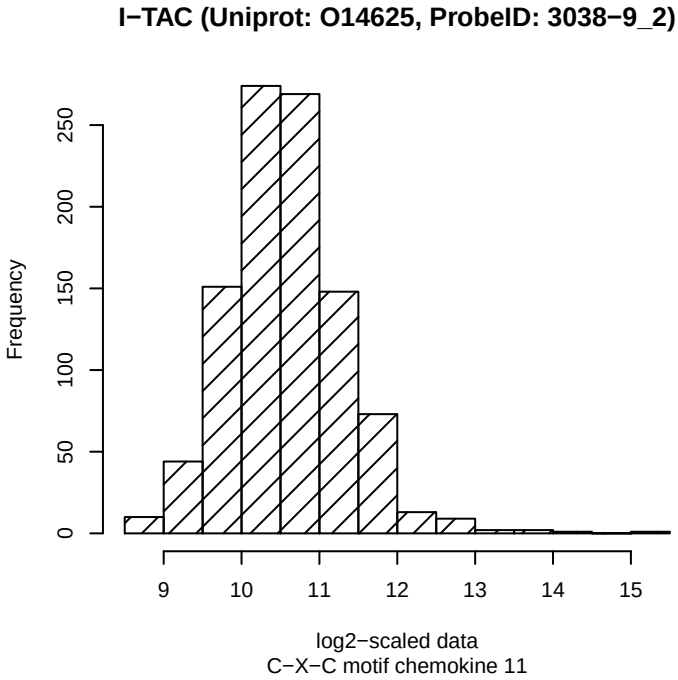

CD23 (Uniprot: P06734, ProbeID: 3291−30_2)
log2−scaled data
10
11
12
13
14
C/C (253)
C/T (513)
T/T (228)
rs11260013 (Chr19:7759676)
Locus 310 top sentinel (CIS), p=6.2e−13, FC=−1.1016

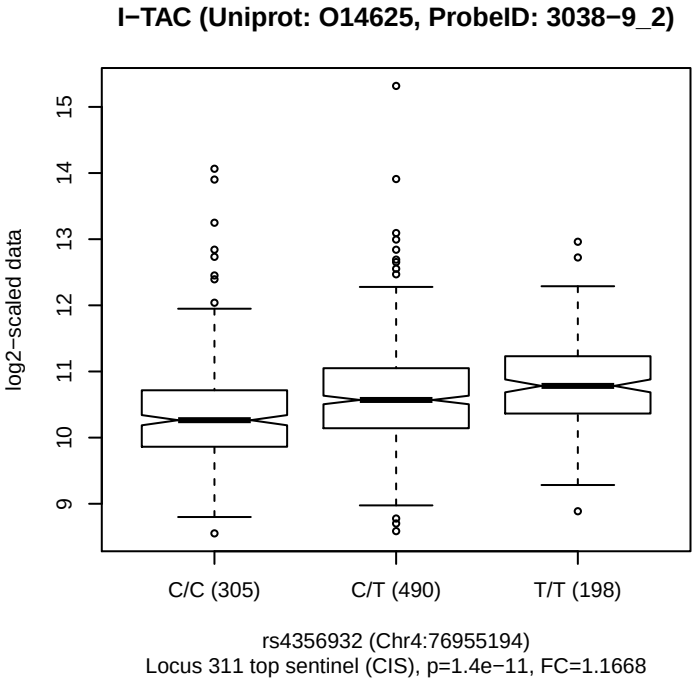

CD23 (Uniprot: P06734, ProbeID: 3291−30_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Low affinity immunoglobulin epsilon Fc receptor

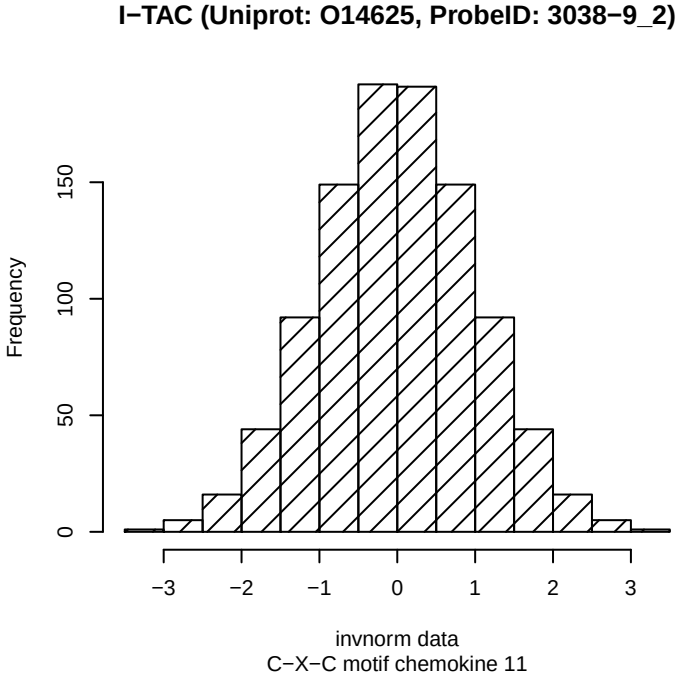

CD23 (Uniprot: P06734, ProbeID: 3291−30_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (253)
C/T (513)
T/T (228)
rs11260013 (Chr19:7759676)
Locus 310 top sentinel (CIS), p=3.9e−14

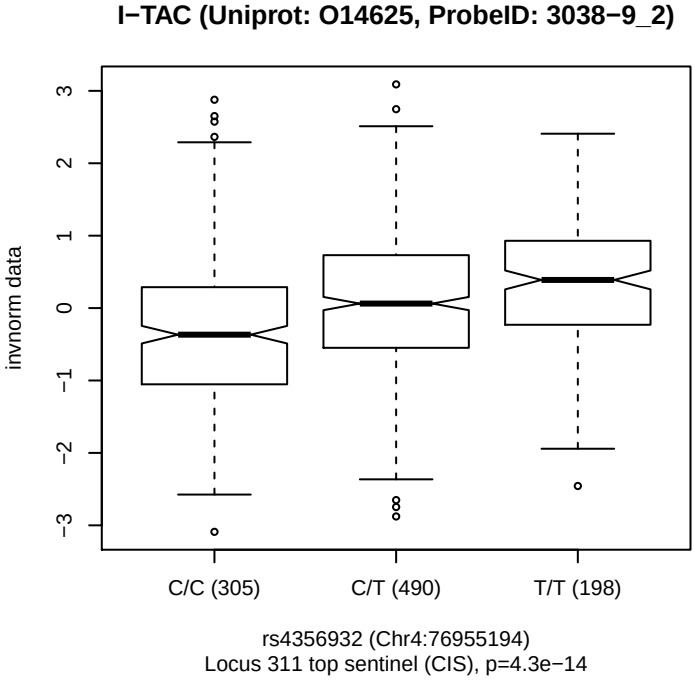

I−TAC (Uniprot: O14625, ProbeID: 3038−9_2)
Frequency
0
200
400
600
800
1000
0
10000
20000
30000
40000
raw data
C−X−C motif chemokine 11

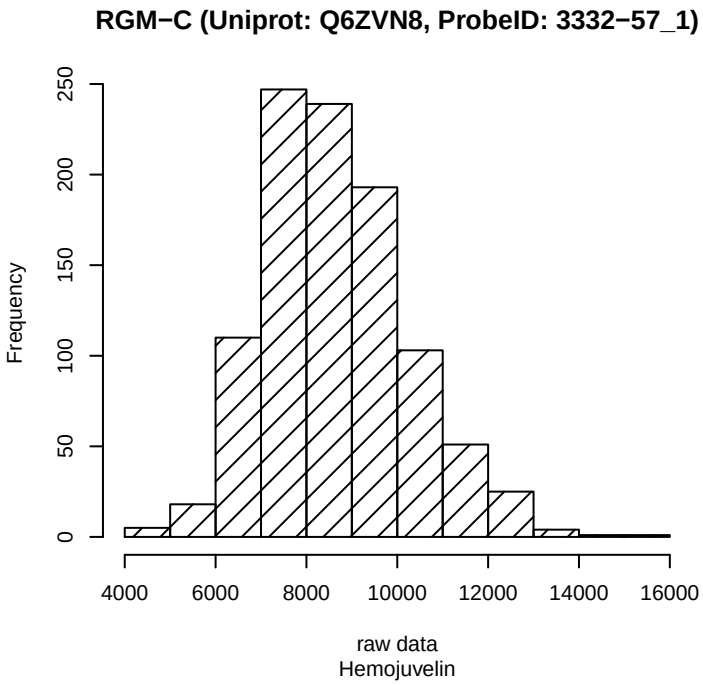

I−TAC (Uniprot: O14625, ProbeID: 3038−9_2)
raw data
0
10000
20000
30000
40000
C/C (305)
C/T (490)
T/T (198)
rs4356932 (Chr4:76955194)
Locus 311 top sentinel (CIS), p=0.012

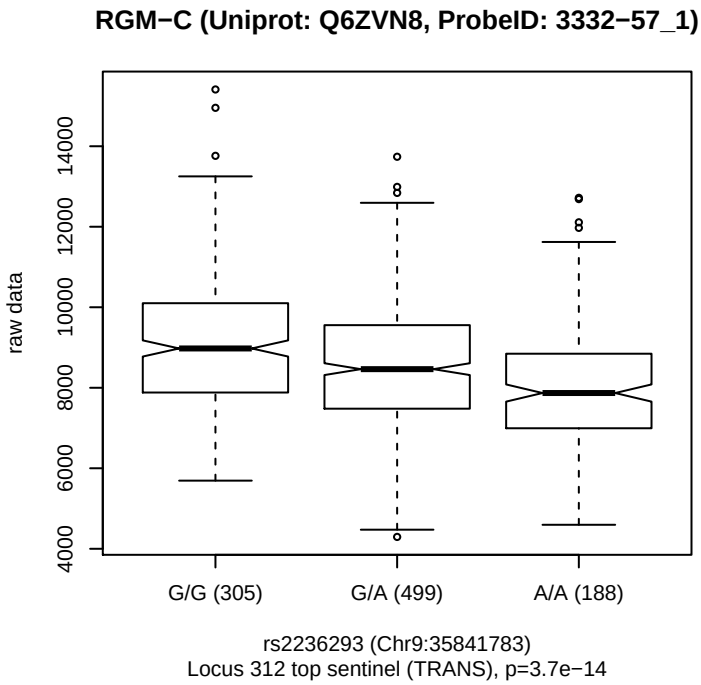

I−TAC (Uniprot: O14625, ProbeID: 3038−9_2)
Frequency
0
50
100
150
200
250
9
10
11
12
13
14
15
log2−scaled data
C−X−C motif chemokine 11

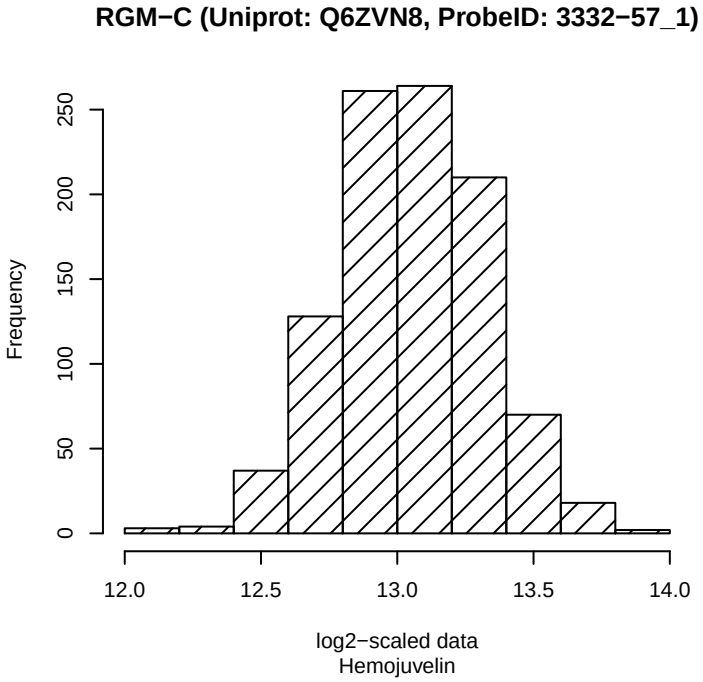

I−TAC (Uniprot: O14625, ProbeID: 3038−9_2)
log2−scaled data
9
10
11
12
13
14
15
C/C (305)
C/T (490)
T/T (198)
rs4356932 (Chr4:76955194)
Locus 311 top sentinel (CIS), p=1.4e−11, FC=1.1668

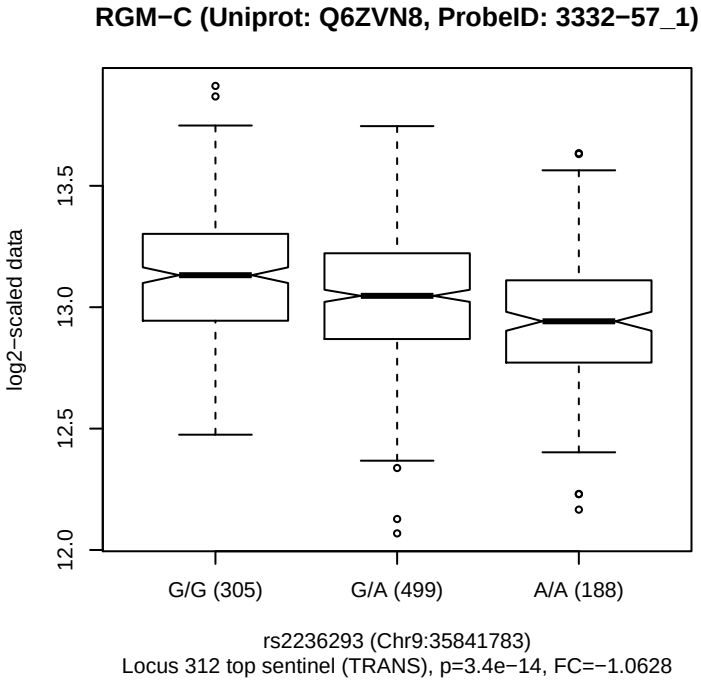

I−TAC (Uniprot: O14625, ProbeID: 3038−9_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
C−X−C motif chemokine 11

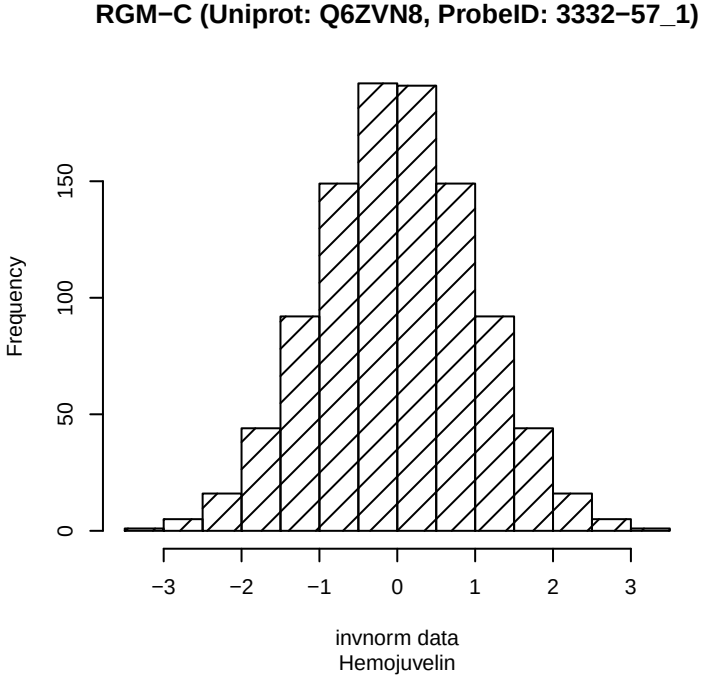

I−TAC (Uniprot: O14625, ProbeID: 3038−9_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (305)
C/T (490)
T/T (198)
rs4356932 (Chr4:76955194)
Locus 311 top sentinel (CIS), p=4.3e−14

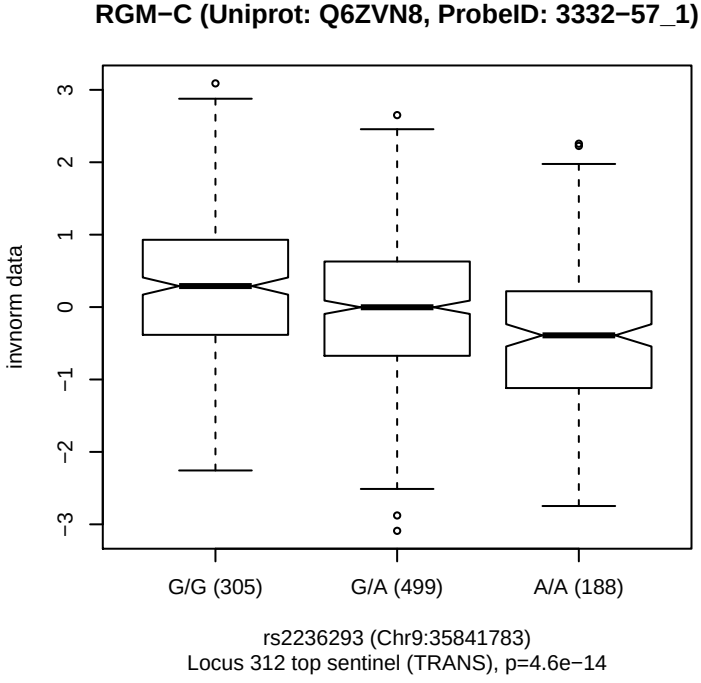

RGM−C (Uniprot: Q6ZVN8, ProbeID: 3332−57_1)
Frequency
0
50
100
150
200
250
4000
6000
8000
10000
12000
14000
16000
raw data
Hemojuvelin

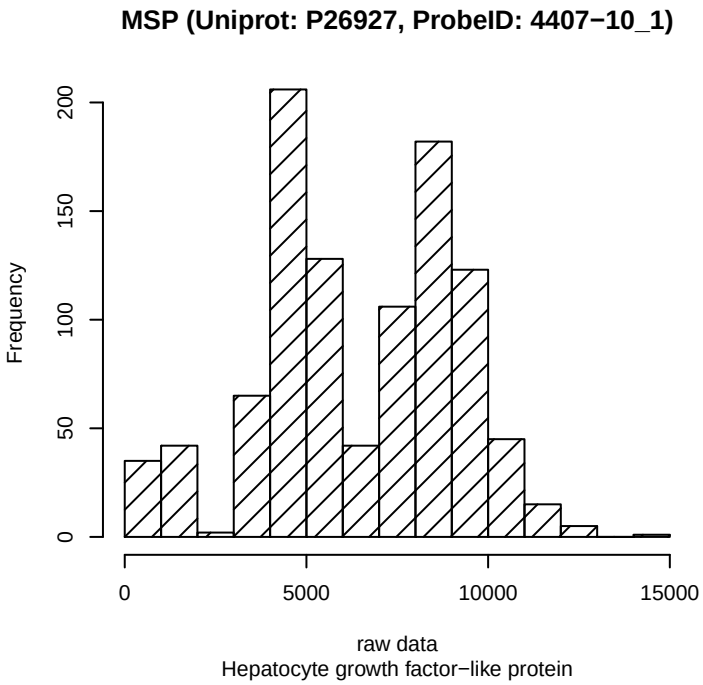

RGM−C (Uniprot: Q6ZVN8, ProbeID: 3332−57_1)
raw data
4000
6000
8000
10000
12000
14000
G/G (305)
G/A (499)
A/A (188)
rs2236293 (Chr9:35841783)
Locus 312 top sentinel (TRANS), p=3.7e−14

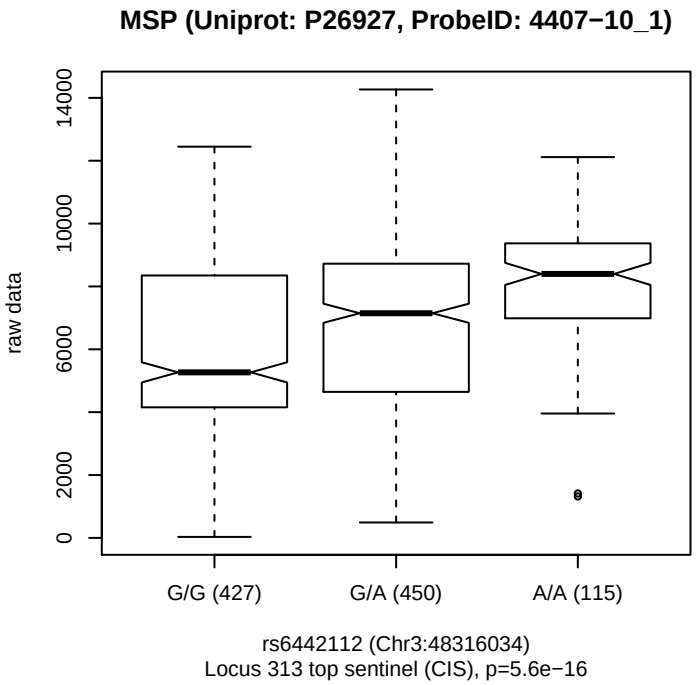

RGM−C (Uniprot: Q6ZVN8, ProbeID: 3332−57_1)
Frequency
0
50
100
150
200
250
12.0
12.5
13.0
13.5
14.0
log2−scaled data
Hemojuvelin

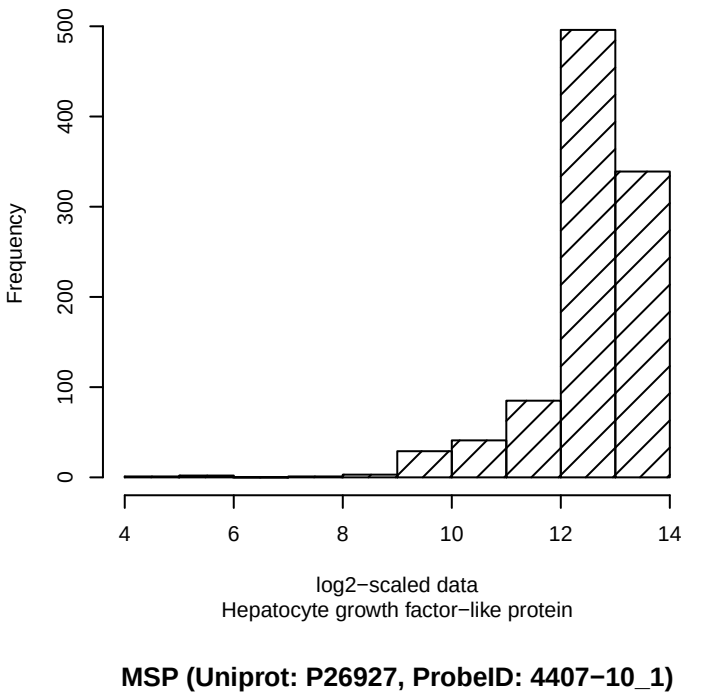

RGM−C (Uniprot: Q6ZVN8, ProbeID: 3332−57_1)
log2−scaled data
12.0
12.5
13.0
13.5
G/G (305)
G/A (499)
A/A (188)
rs2236293 (Chr9:35841783)
Locus 312 top sentinel (TRANS), p=3.4e−14, FC=−1.0628

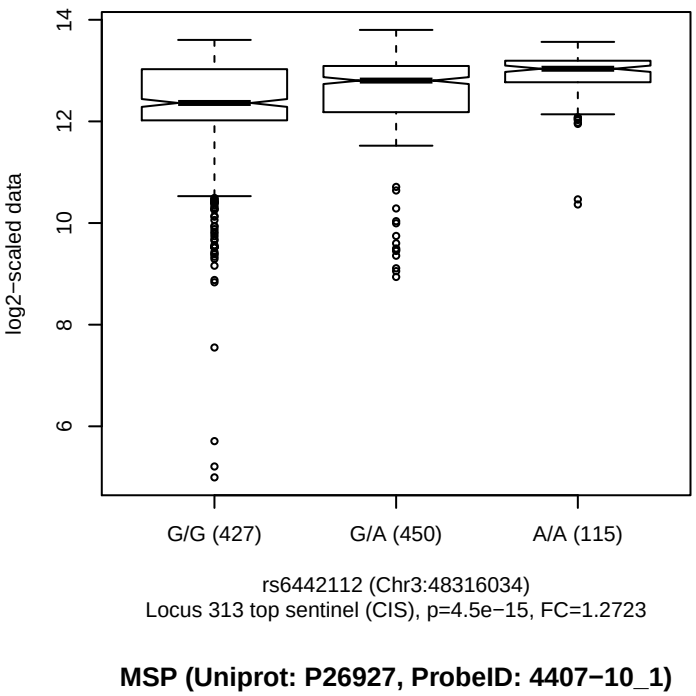

RGM−C (Uniprot: Q6ZVN8, ProbeID: 3332−57_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Hemojuvelin

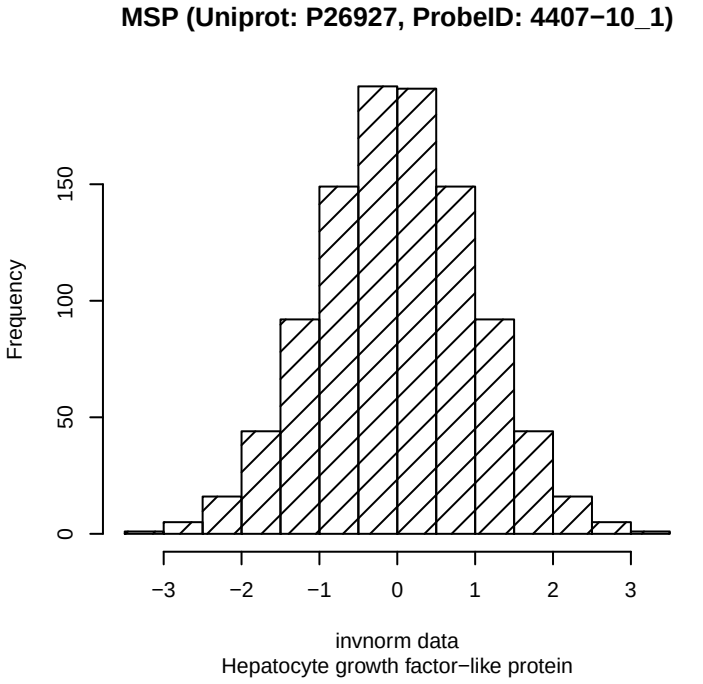

RGM−C (Uniprot: Q6ZVN8, ProbeID: 3332−57_1)
invnorm data
−3
−2
−1
0
1
2
3
G/G (305)
G/A (499)
A/A (188)
rs2236293 (Chr9:35841783)
Locus 312 top sentinel (TRANS), p=4.6e−14

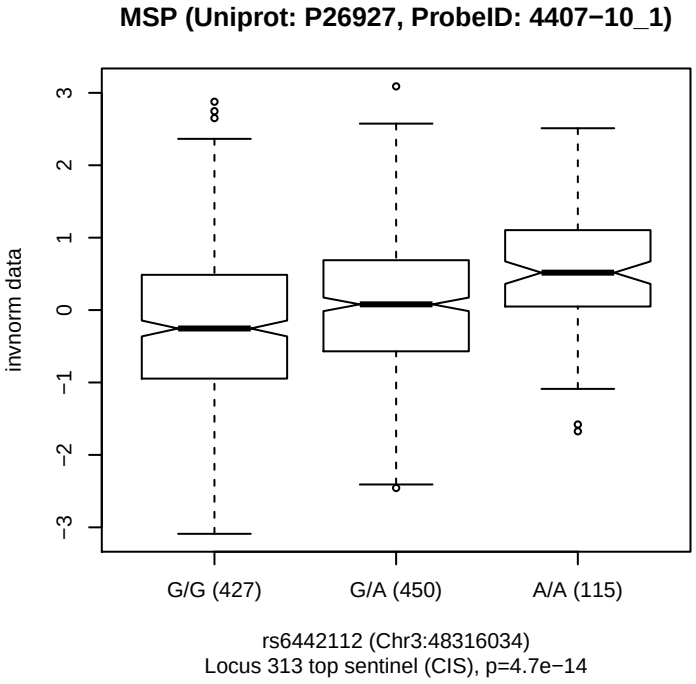

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
Frequency
0
50
100
150
200
0
5000
10000
15000
raw data
Hepatocyte growth factor−like protein

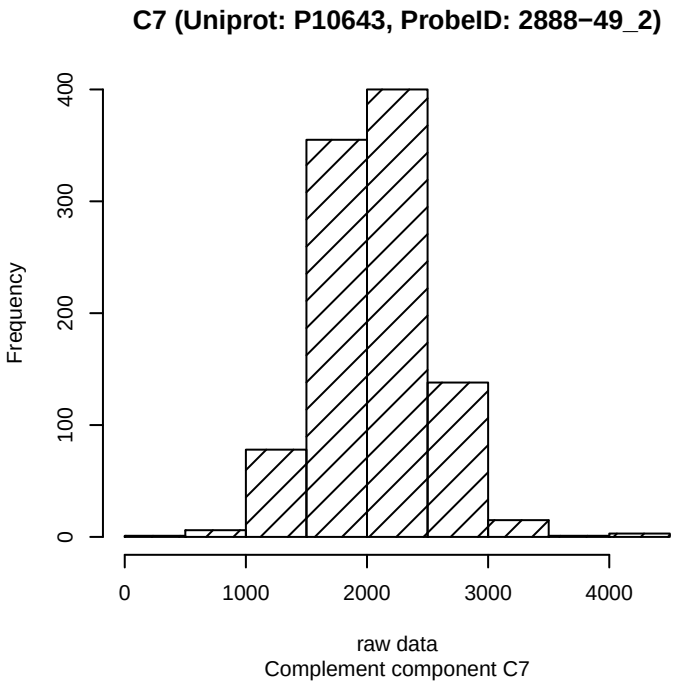

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
raw data
0
2000
6000
10000
14000
G/G (427)
G/A (450)
A/A (115)
rs6442112 (Chr3:48316034)
Locus 313 top sentinel (CIS), p=5.6e−16

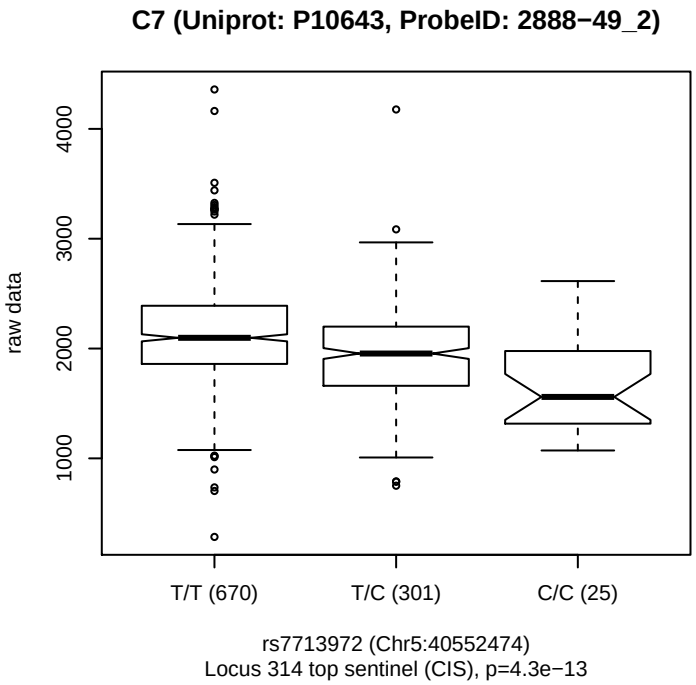

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
Frequency
0
100
200
300
400
500
4
6
8
10
12
14
log2−scaled data
Hepatocyte growth factor−like protein

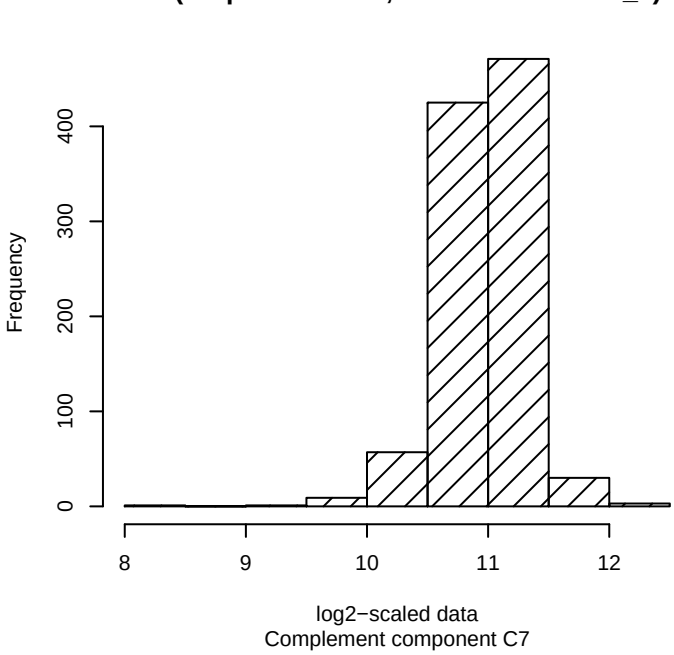

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
log2−scaled data
6
8
10
12
14
G/G (427)
G/A (450)
A/A (115)
rs6442112 (Chr3:48316034)
Locus 313 top sentinel (CIS), p=4.5e−15, FC=1.2723

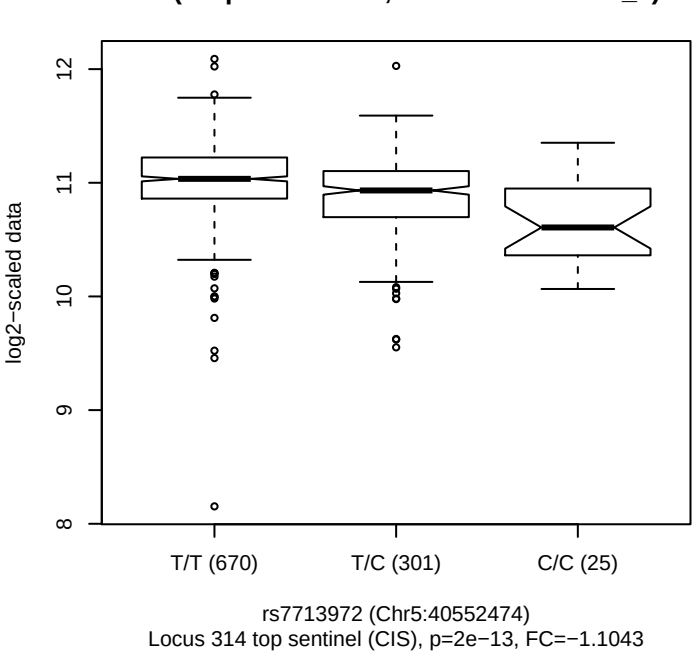

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Hepatocyte growth factor−like protein

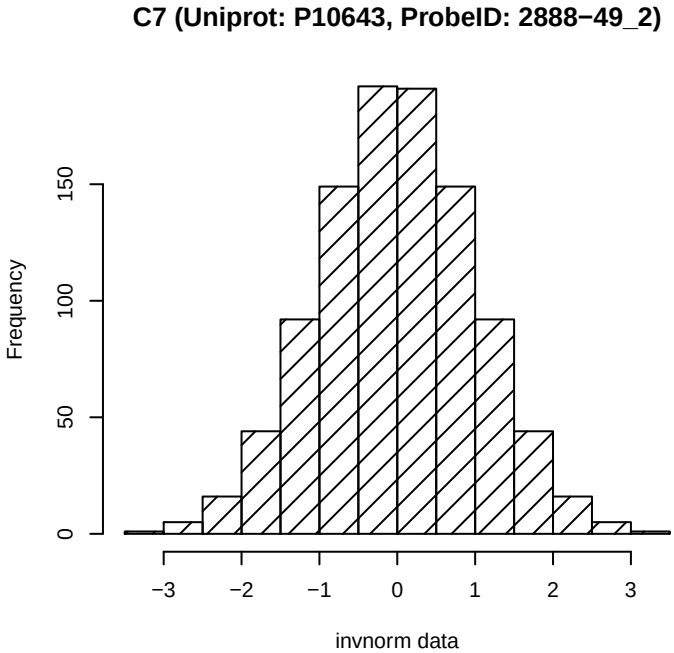

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
invnorm data
−3
−2
−1
0
1
2
3
G/G (427)
G/A (450)
A/A (115)
rs6442112 (Chr3:48316034)
Locus 313 top sentinel (CIS), p=4.7e−14

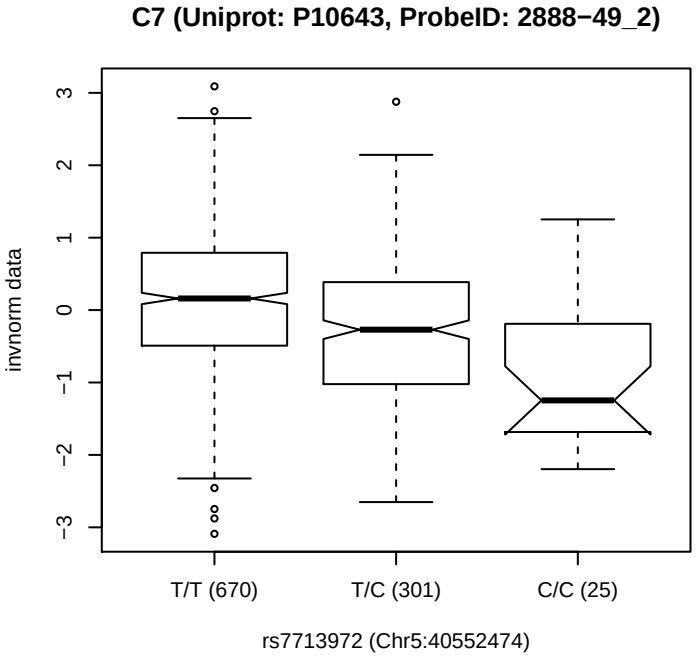

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
Frequency
0
100
200
300
400
0
1000
2000
3000
4000
raw data
Complement component C7


C7 (Uniprot: P10643, ProbeID: 2888−49_2)
raw data
1000
2000
3000
4000
T/T (670)
T/C (301)
C/C (25)
rs7713972 (Chr5:40552474)
Locus 314 top sentinel (CIS), p=4.3e−13

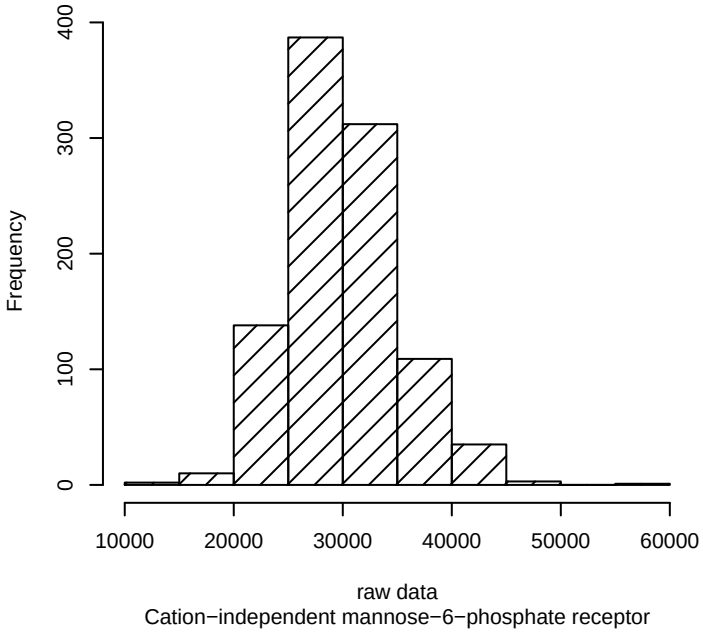

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
Frequency
0
100
200
300
400
8
9
10
11
12
log2−scaled data
Complement component C7


C7 (Uniprot: P10643, ProbeID: 2888−49_2)
log2−scaled data
8
9
10
11
12
T/T (670)
T/C (301)
C/C (25)
rs7713972 (Chr5:40552474)
Locus 314 top sentinel (CIS), p=2e−13, FC=−1.1043

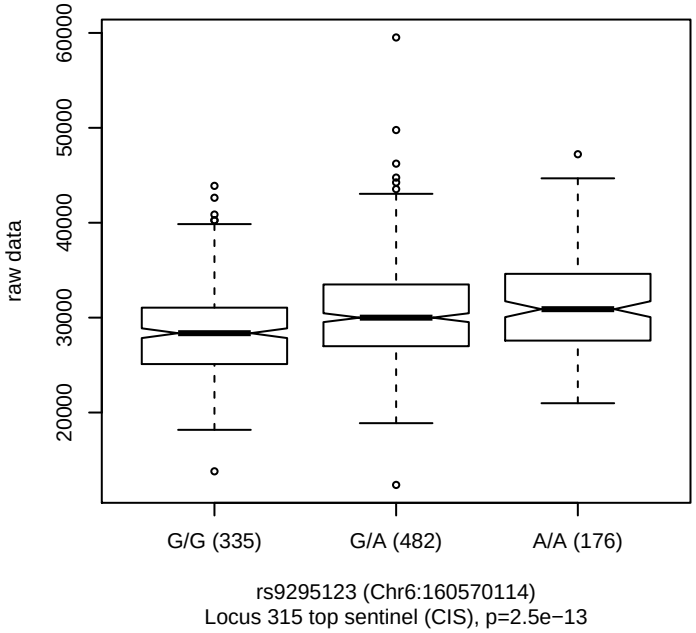

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Complement component C7


C7 (Uniprot: P10643, ProbeID: 2888−49_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (670)
T/C (301)
C/C (25)
rs7713972 (Chr5:40552474)
Locus 314 top sentinel (CIS), p=5.2e−14

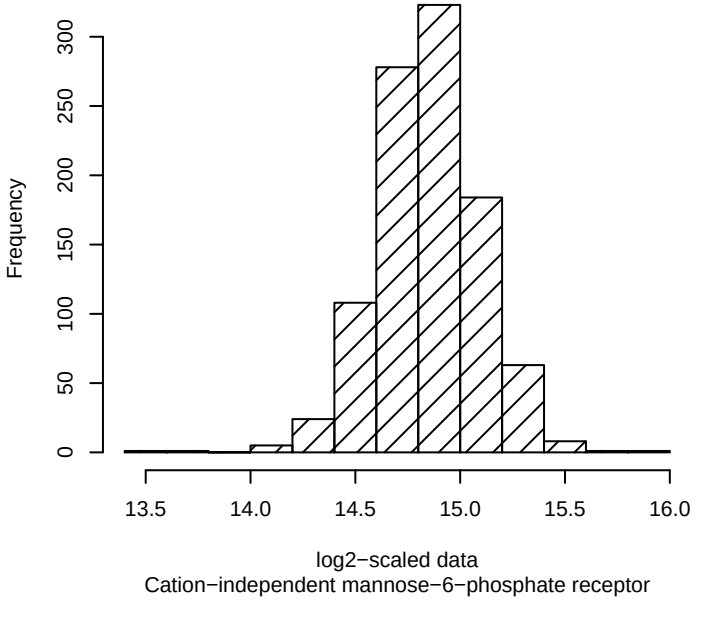
**IGF−II receptor (Uniprot: P11717, ProbeID: 3676−15_3)**



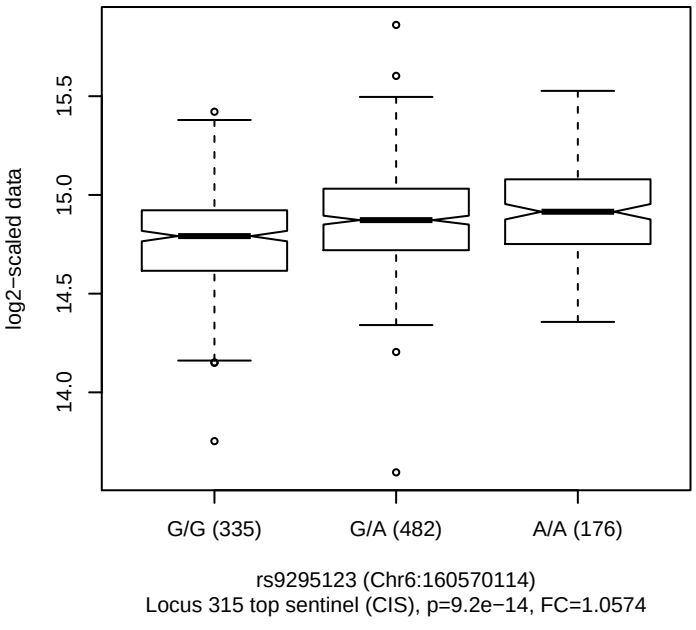

**IGF−II receptor (Uniprot: P11717, ProbeID: 3676−15_3)**



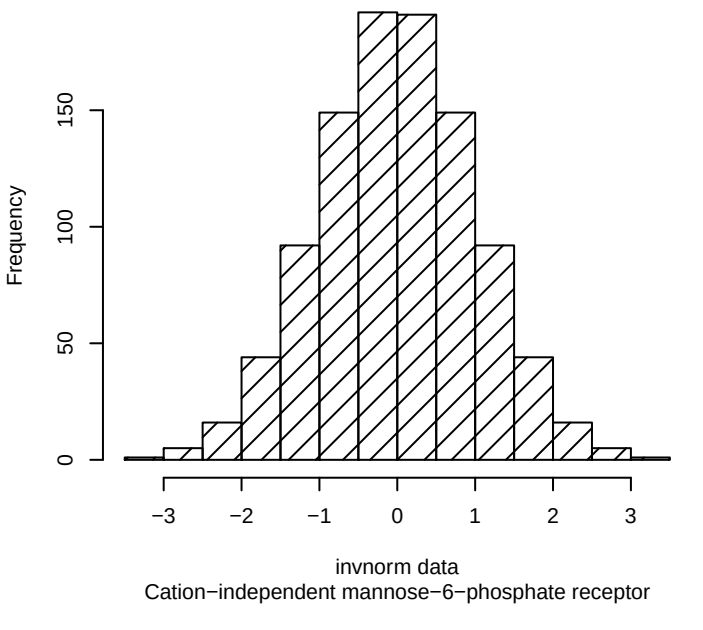

**IGF−II receptor (Uniprot: P11717, ProbeID: 3676−15_3)**



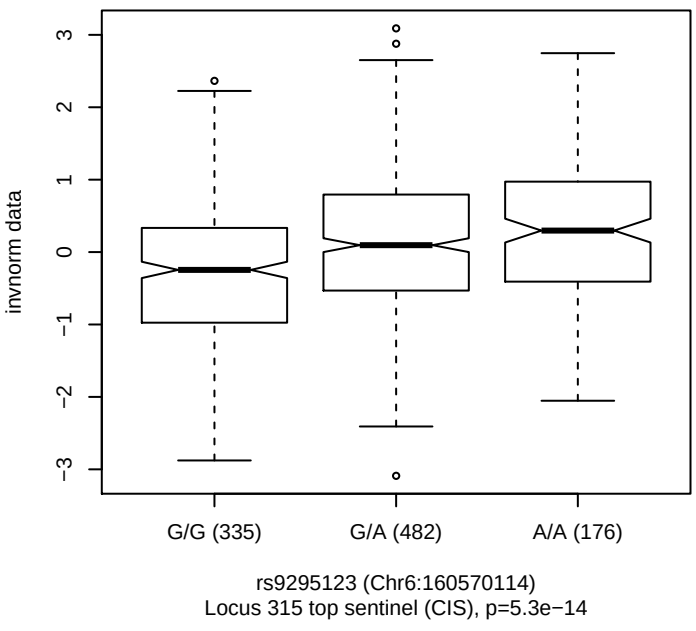

**IGF−II receptor (Uniprot: P11717, ProbeID: 3676−15_3)**

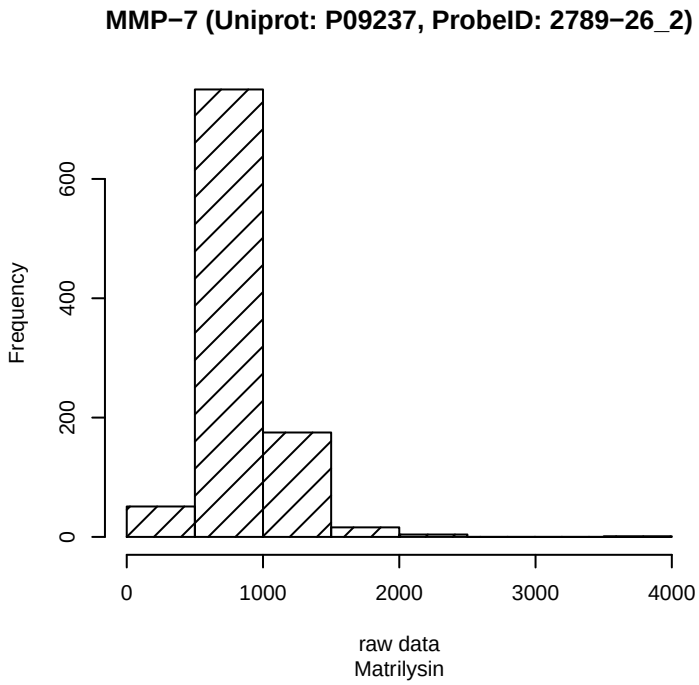


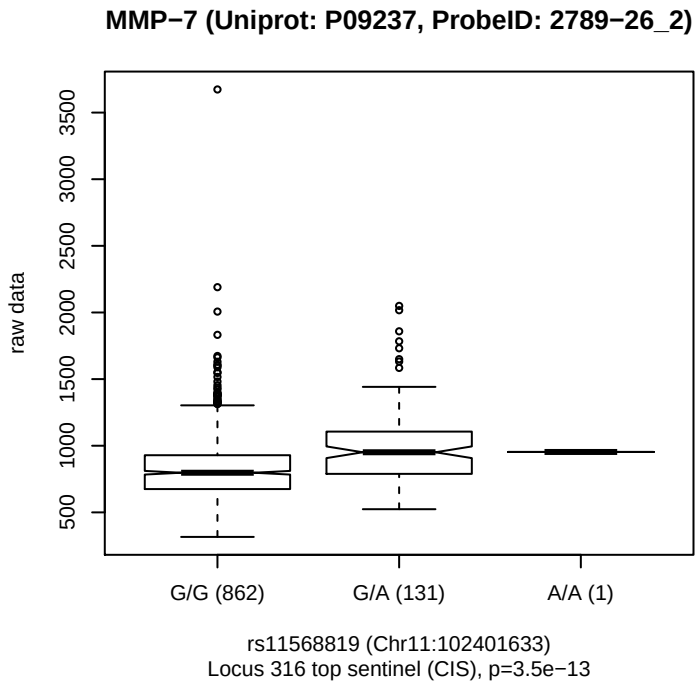

**IGF−II receptor (Uniprot: P11717, ProbeID: 3676−15_3)**

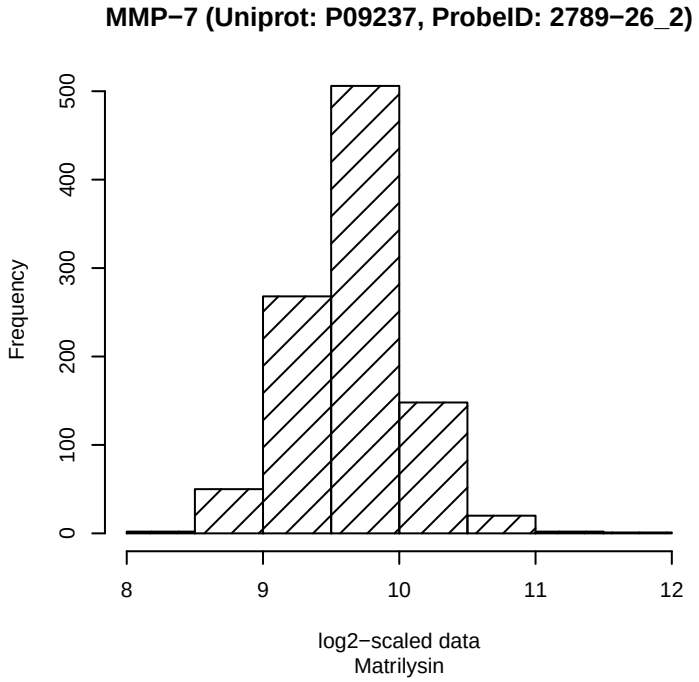


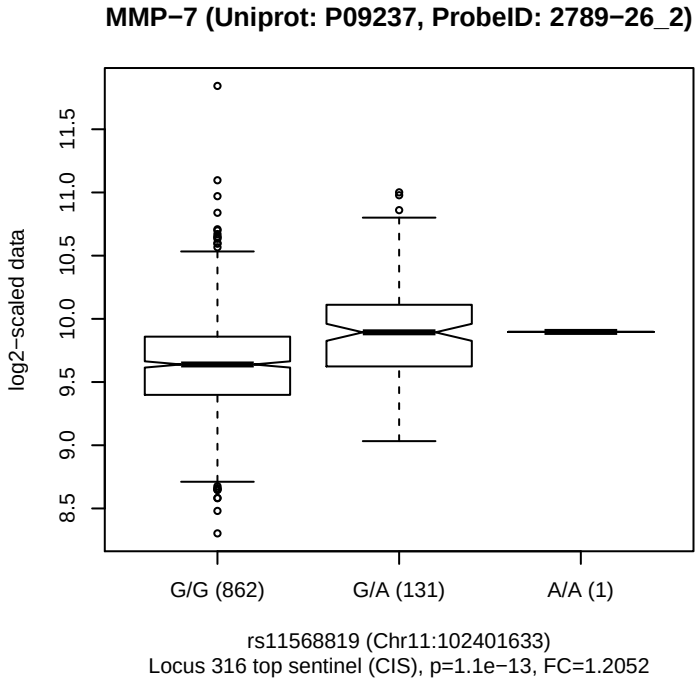

**IGF−II receptor (Uniprot: P11717, ProbeID: 3676−15_3)**

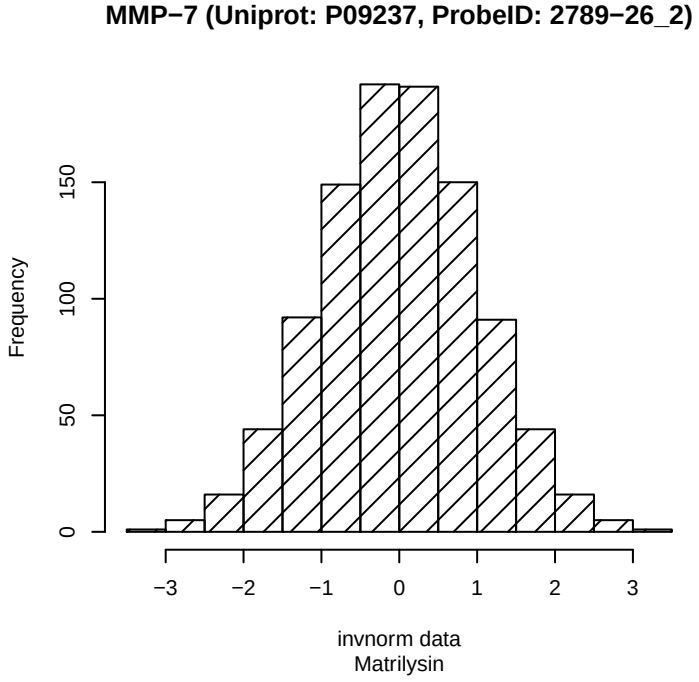


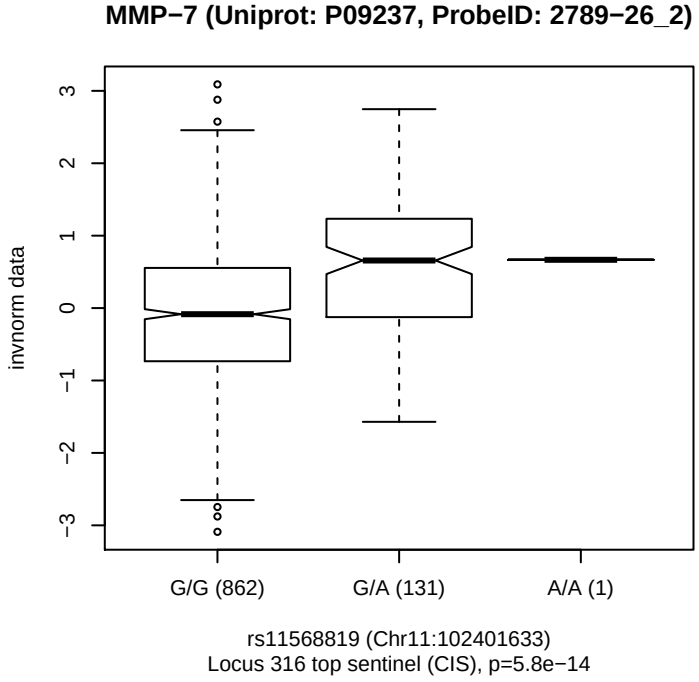

MMP−7 (Uniprot: P09237, ProbeID: 2789−26_2)
Frequency
0
200
400
600
0
1000
2000
3000
4000
raw data
Matrilysin

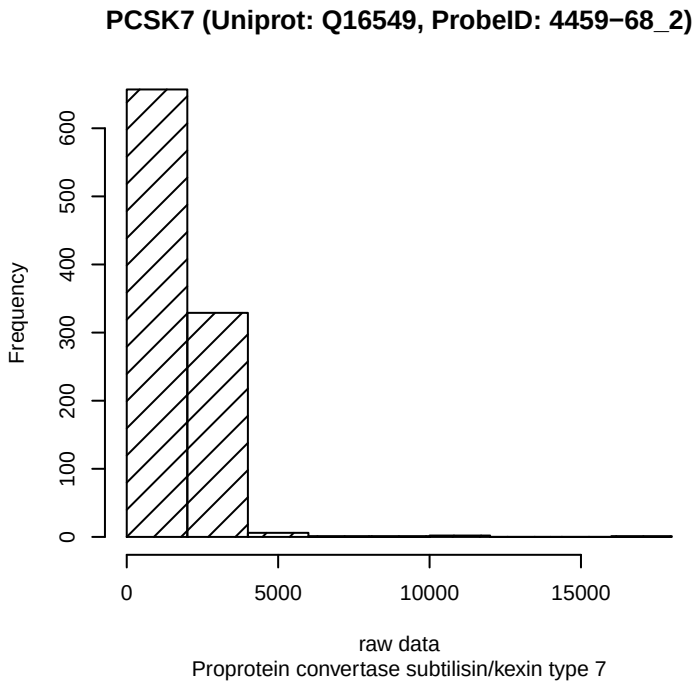

MMP−7 (Uniprot: P09237, ProbeID: 2789−26_2)
raw data
500
1000
1500
2000
2500
3000
3500
G/G (862)
G/A (131)
A/A (1)
rs11568819 (Chr11:102401633)
Locus 316 top sentinel (CIS), p=3.5e−13

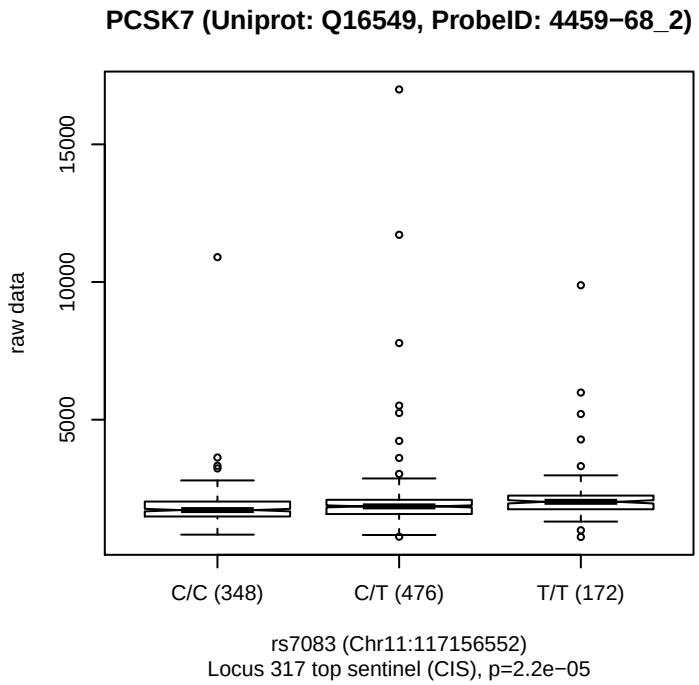

MMP−7 (Uniprot: P09237, ProbeID: 2789−26_2)
Frequency
0
100
200
300
400
500
8
9
10
11
12
log2−scaled data
Matrilysin

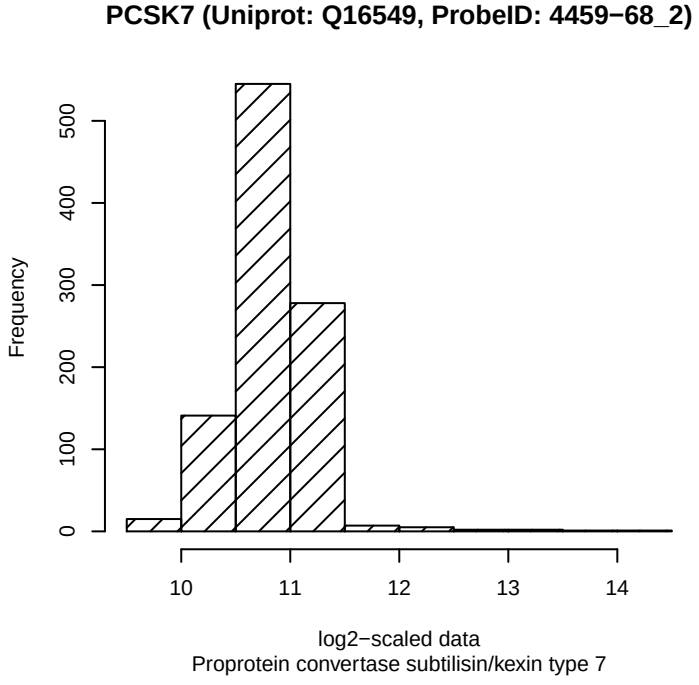

MMP−7 (Uniprot: P09237, ProbeID: 2789−26_2)
log2−scaled data
8.5
9.0
9.5
10.0
10.5
11.0
11.5
G/G (862)
G/A (131)
A/A (1)
rs11568819 (Chr11:102401633)
Locus 316 top sentinel (CIS), p=1.1e−13, FC=1.2052

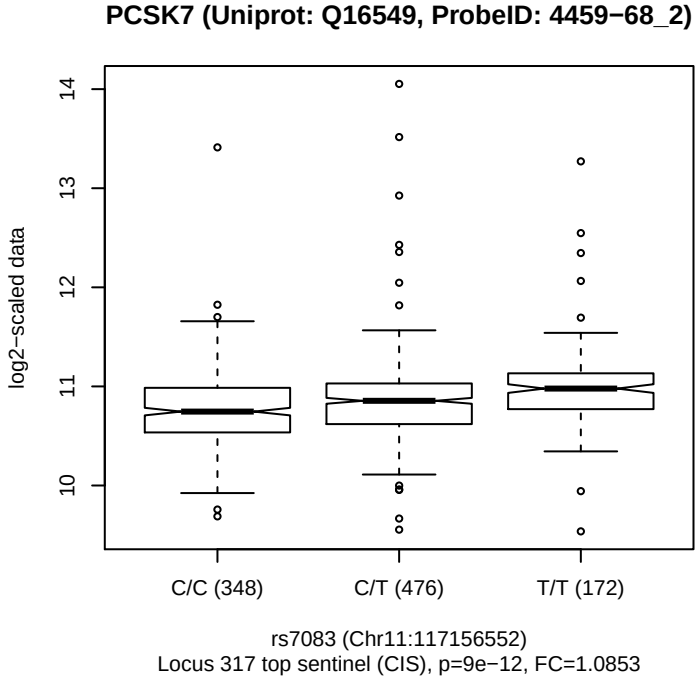

MMP−7 (Uniprot: P09237, ProbeID: 2789−26_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Matrilysin

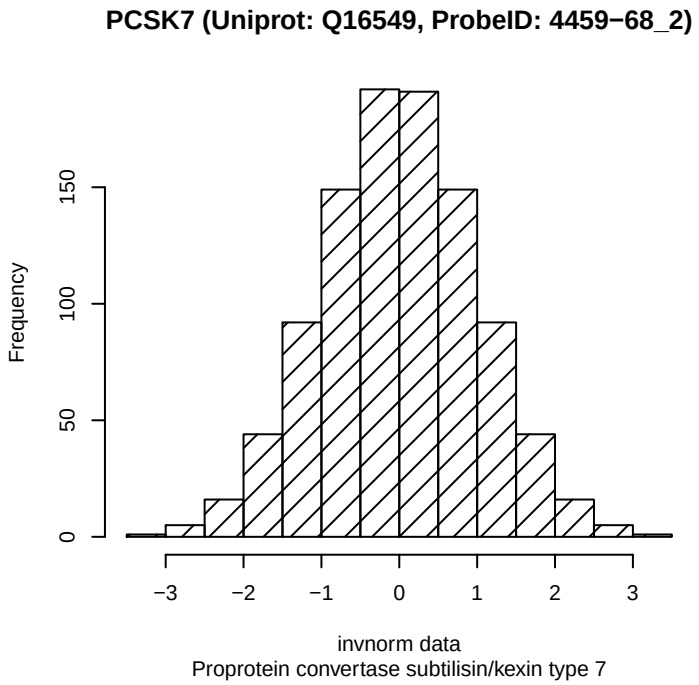

MMP−7 (Uniprot: P09237, ProbeID: 2789−26_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (862)
G/A (131)
A/A (1)
rs11568819 (Chr11:102401633)
Locus 316 top sentinel (CIS), p=5.8e−14

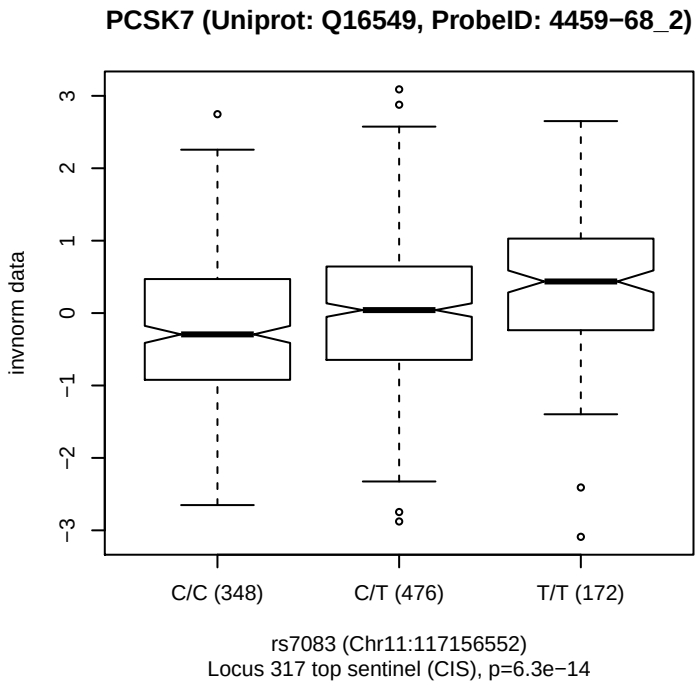

PCSK7 (Uniprot: Q16549, ProbeID: 4459−68_2)
Frequency
0
100
200
300
400
500
600
0
5000
10000
15000
raw data
Proprotein convertase subtilisin/kexin type 7

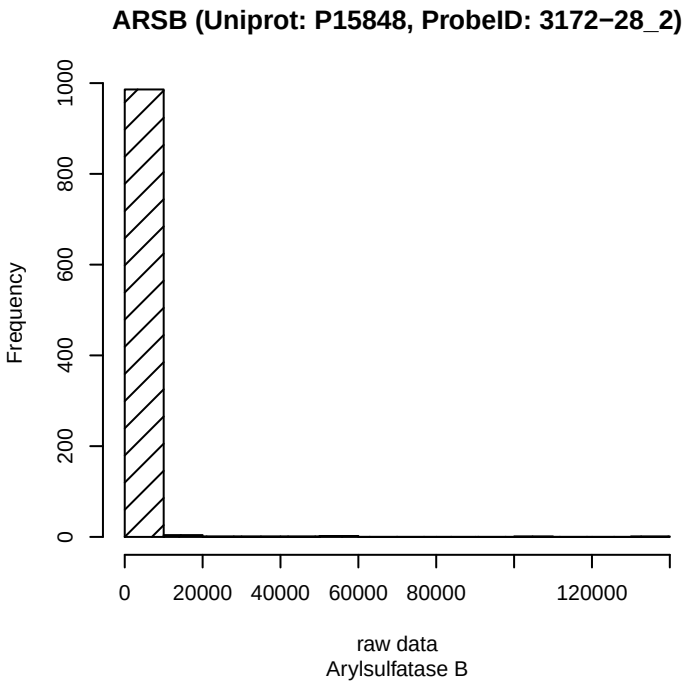

PCSK7 (Uniprot: Q16549, ProbeID: 4459−68_2)
raw data
5000
10000
15000
C/C (348)
C/T (476)
T/T (172)
rs7083 (Chr11:117156552)
Locus 317 top sentinel (CIS), p=2.2e−05

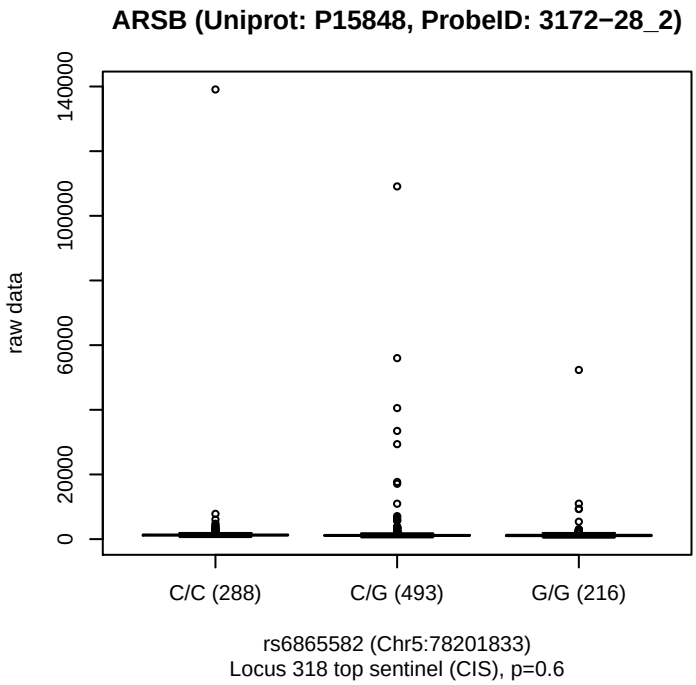

PCSK7 (Uniprot: Q16549, ProbeID: 4459−68_2)
Frequency
0
100
200
300
400
500
10
11
12
13
14
log2−scaled data
Proprotein convertase subtilisin/kexin type 7

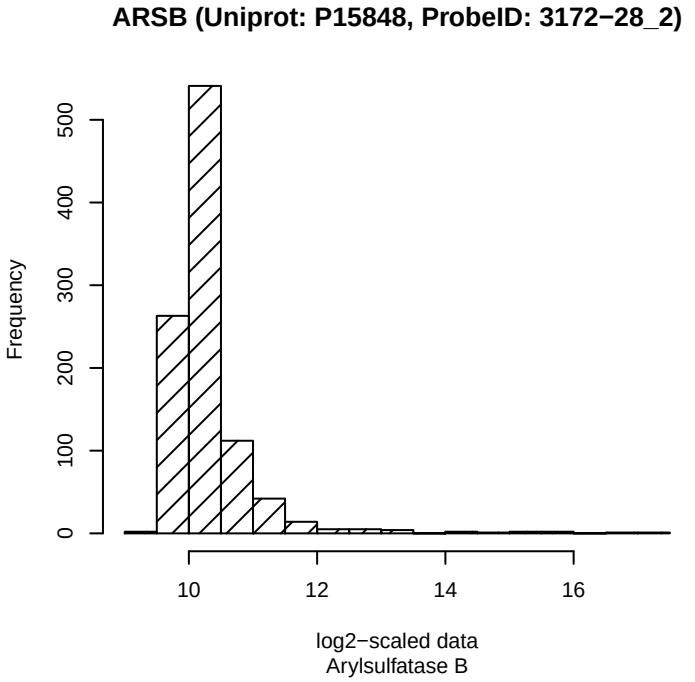

PCSK7 (Uniprot: Q16549, ProbeID: 4459−68_2)
log2−scaled data
10
11
12
13
14
C/C (348)
C/T (476)
T/T (172)
rs7083 (Chr11:117156552)
Locus 317 top sentinel (CIS), p=9e−12, FC=1.0853

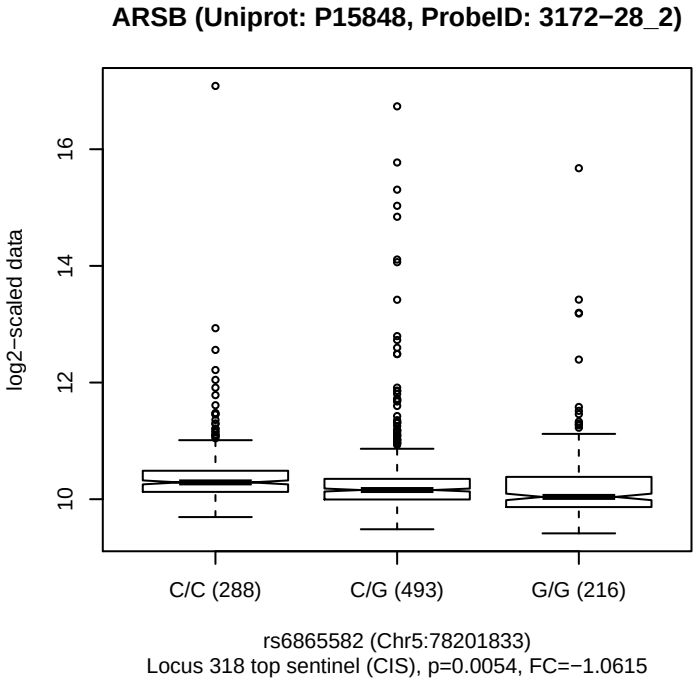

PCSK7 (Uniprot: Q16549, ProbeID: 4459−68_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Proprotein convertase subtilisin/kexin type 7

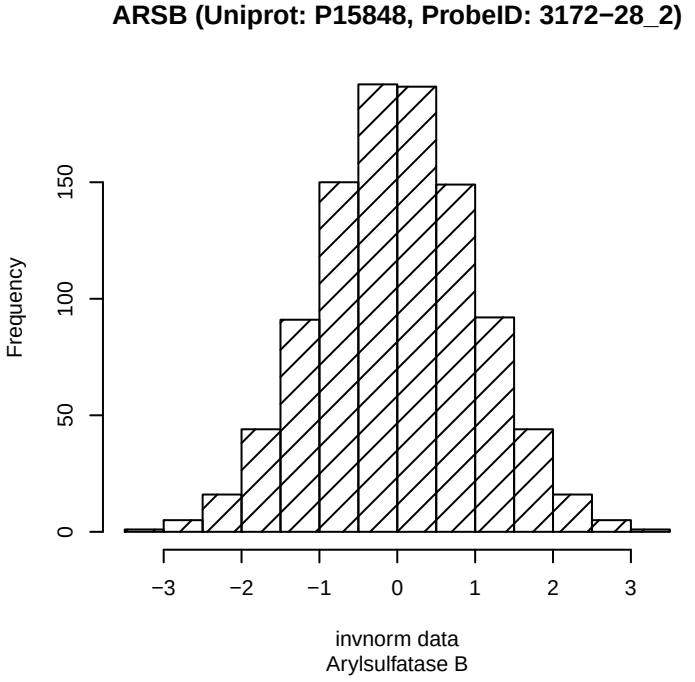

PCSK7 (Uniprot: Q16549, ProbeID: 4459−68_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (348)
C/T (476)
T/T (172)
rs7083 (Chr11:117156552)
Locus 317 top sentinel (CIS), p=6.3e−14

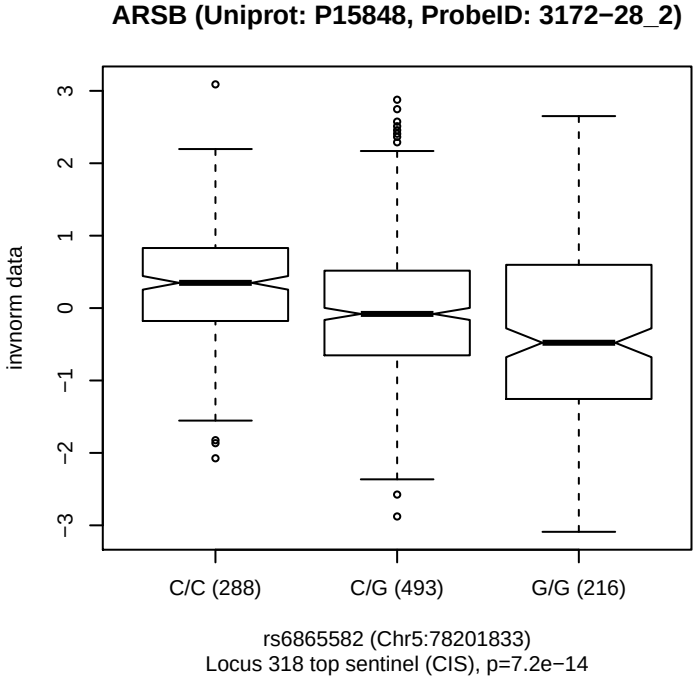

ARSB (Uniprot: P15848, ProbeID: 3172−28_2)
Frequency
0
200
400
600
800
1000
0
20000
40000
60000
80000
120000
raw data
Arylsulfatase B


ARSB (Uniprot: P15848, ProbeID: 3172−28_2)
raw data
0
20000
60000
100000
140000
C/C (288)
C/G (493)
G/G (216)
rs6865582 (Chr5:78201833)
Locus 318 top sentinel (CIS), p=0.6

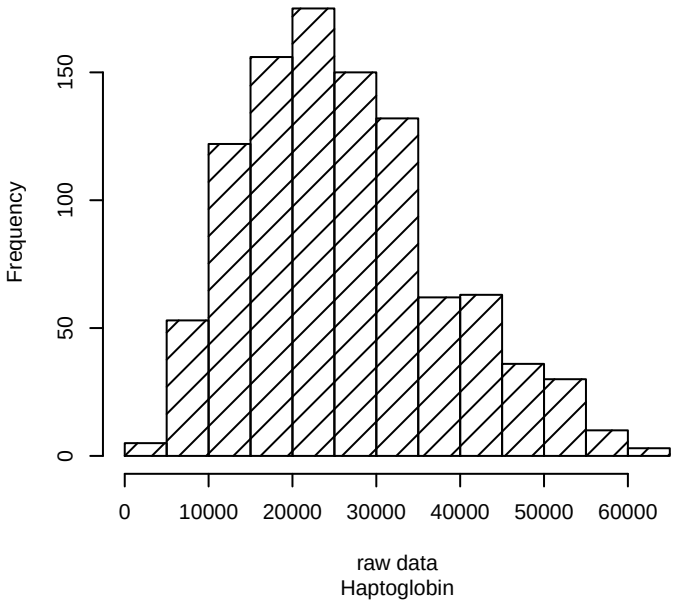

ARSB (Uniprot: P15848, ProbeID: 3172−28_2)
Frequency
0
100
200
300
400
500
10
12
14
16
log2−scaled data
Arylsulfatase B


ARSB (Uniprot: P15848, ProbeID: 3172−28_2)
log2−scaled data
10
12
14
16
C/C (288)
C/G (493)
G/G (216)
rs6865582 (Chr5:78201833)
Locus 318 top sentinel (CIS), p=0.0054, FC=−1.0615

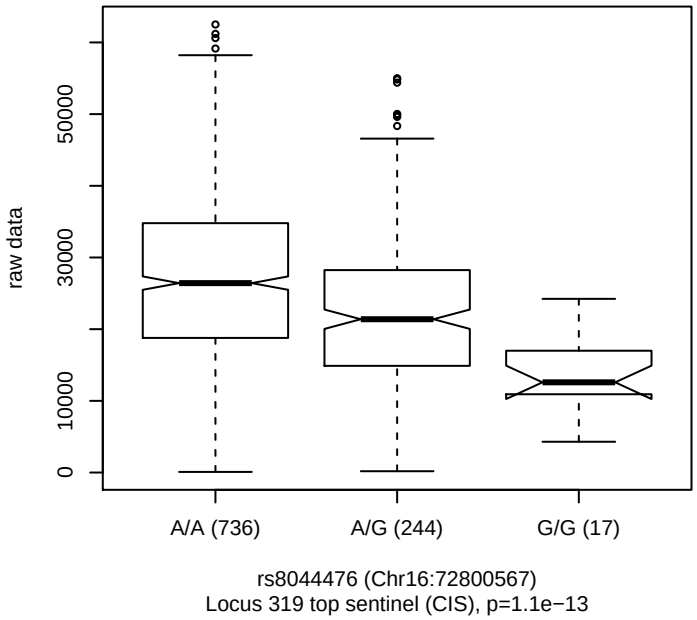

ARSB (Uniprot: P15848, ProbeID: 3172−28_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Arylsulfatase B


ARSB (Uniprot: P15848, ProbeID: 3172−28_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (288)
C/G (493)
G/G (216)
rs6865582 (Chr5:78201833)
Locus 318 top sentinel (CIS), p=7.2e−14

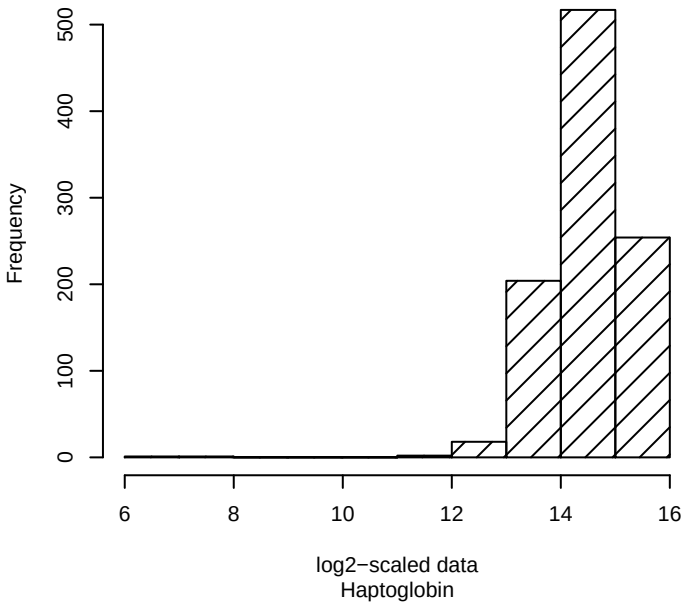
**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1**



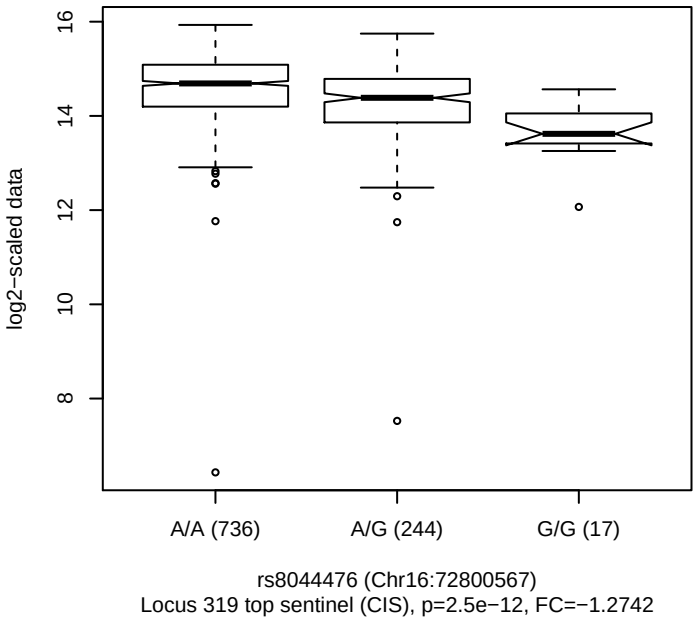

**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1**



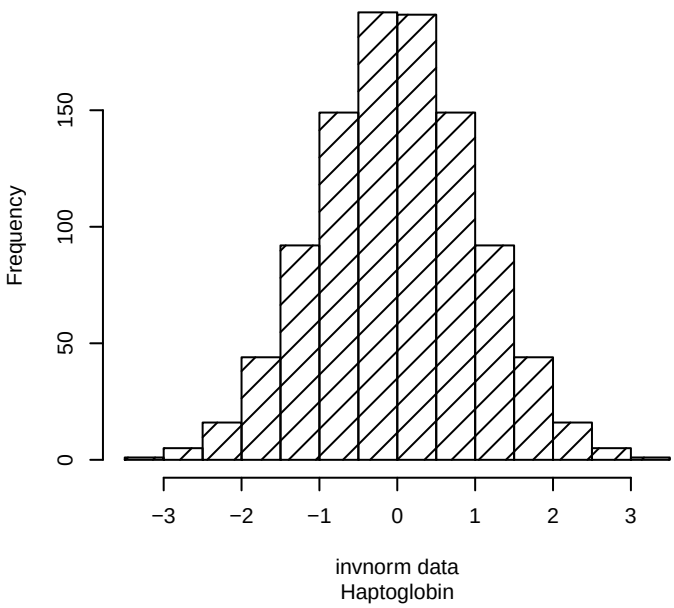

**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1**



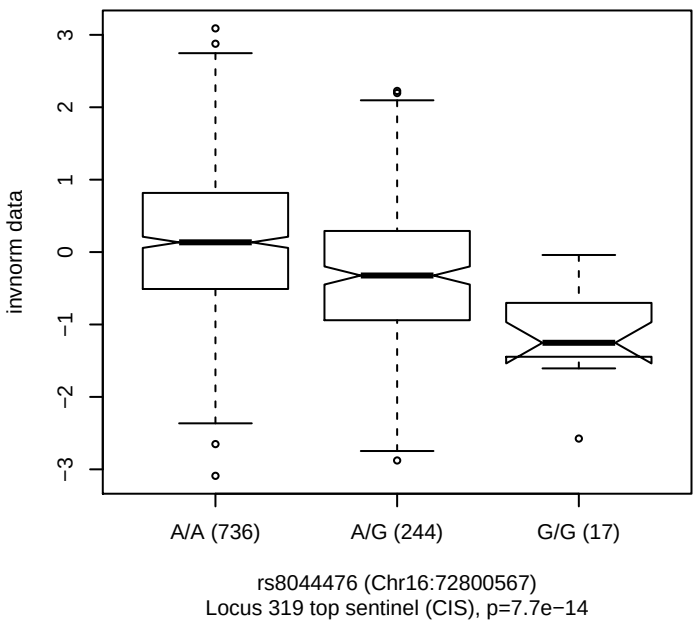

**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1**



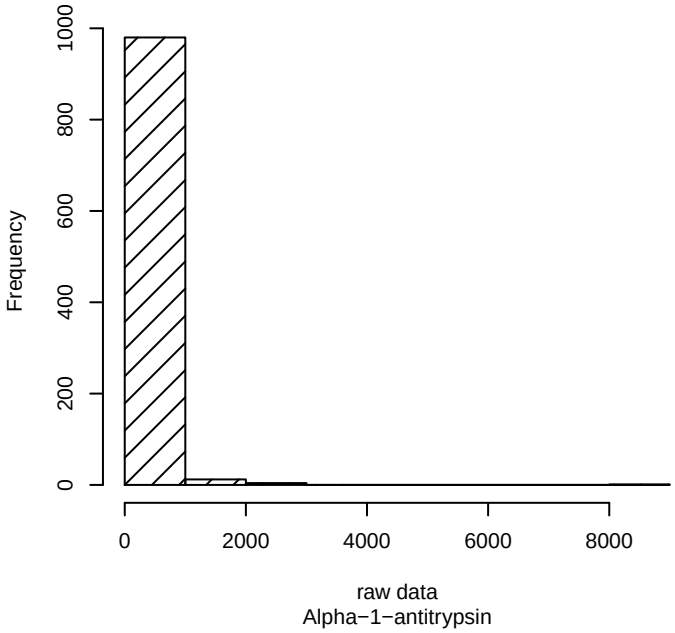

**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1**



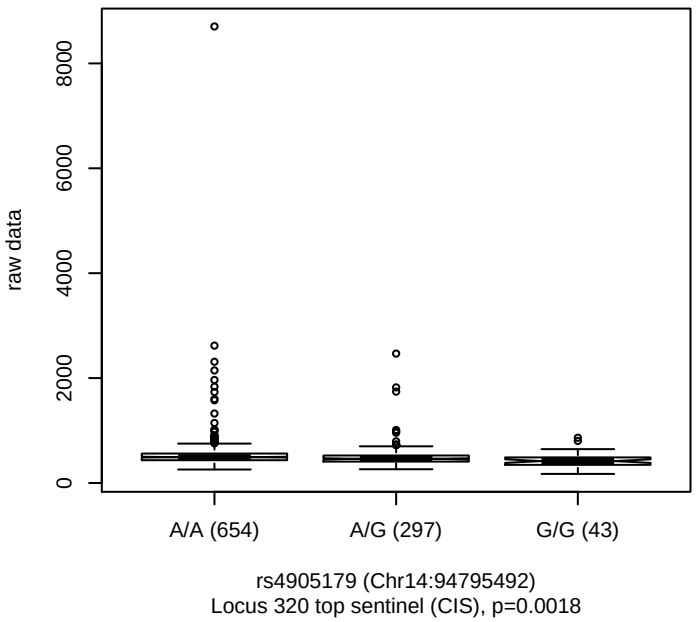

**Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1**



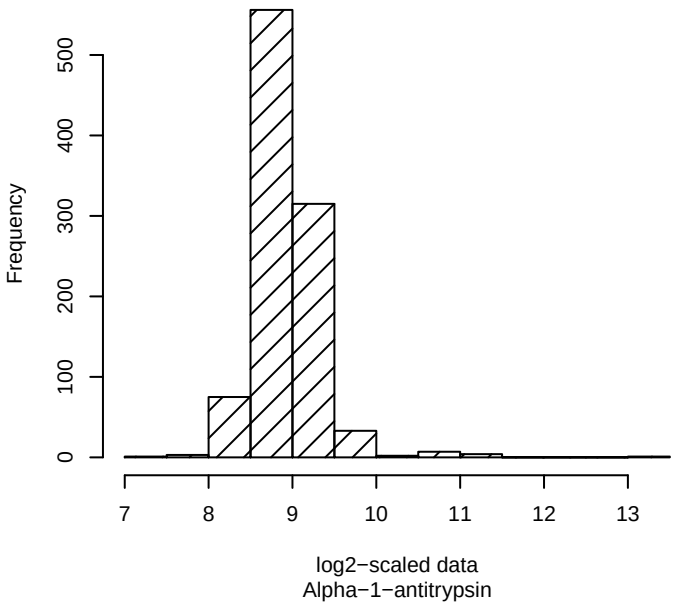
**a1−Antitrypsin (Uniprot: P01009, ProbeID: 3580−25_8)**



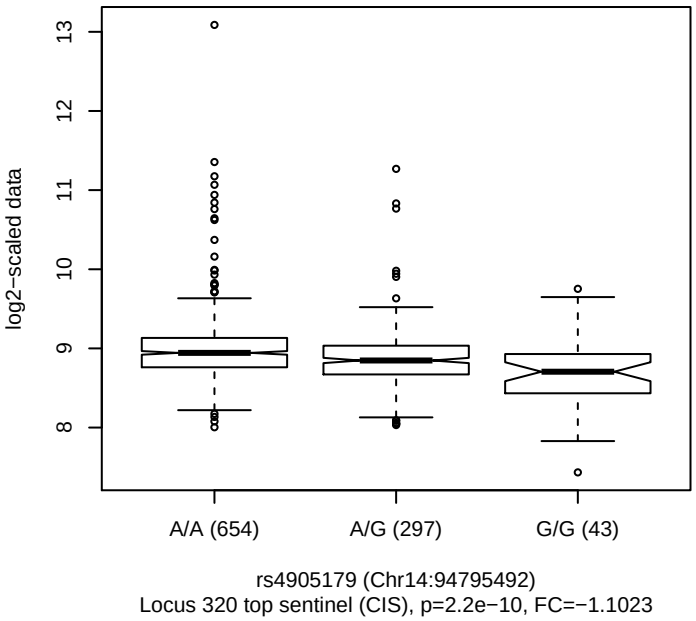

**a1−Antitrypsin (Uniprot: P01009, ProbeID: 3580−25_8)**



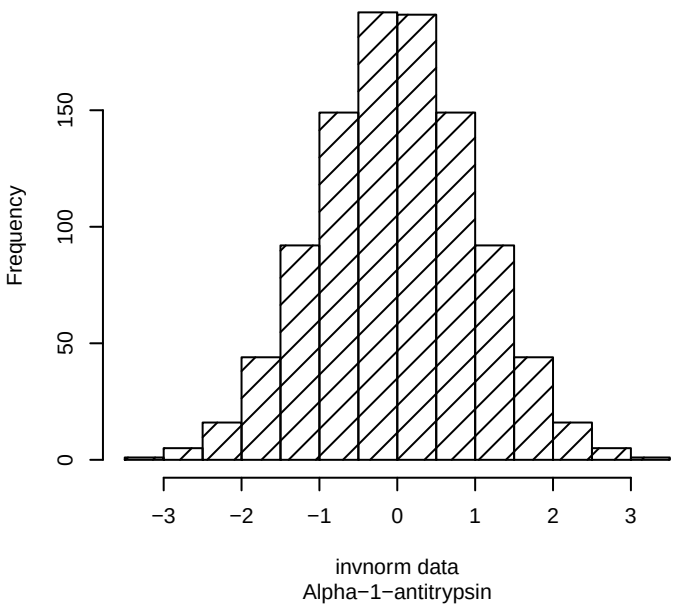

**a1−Antitrypsin (Uniprot: P01009, ProbeID: 3580−25_8)**



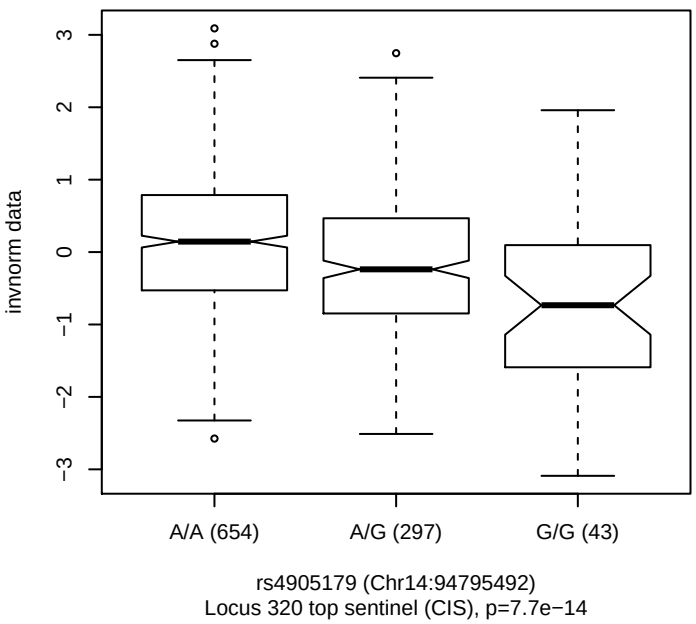

**a1−Antitrypsin (Uniprot: P01009, ProbeID: 3580−25_8)**

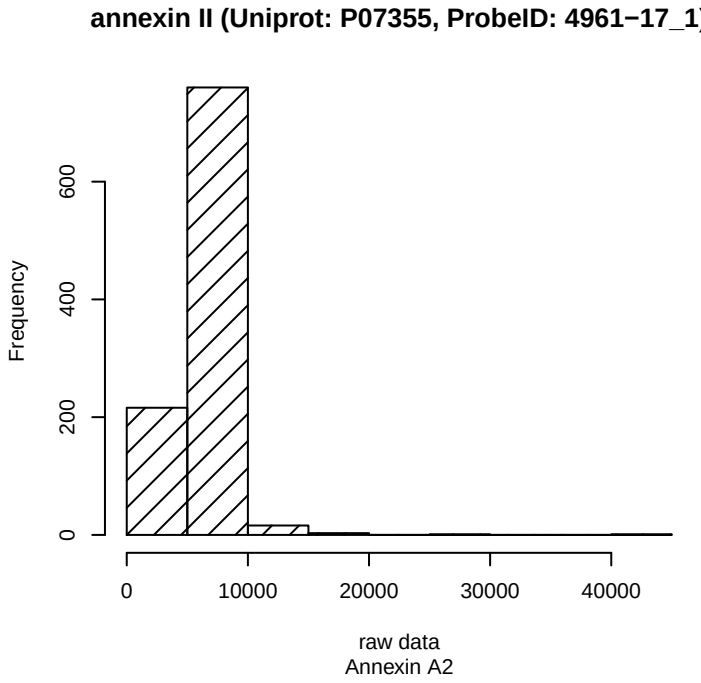


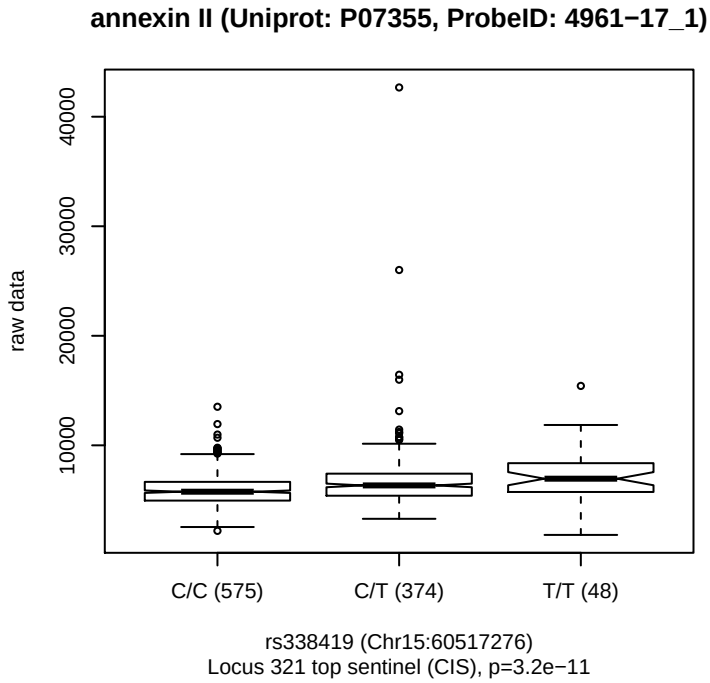

**a1−Antitrypsin (Uniprot: P01009, ProbeID: 3580−25_8)**

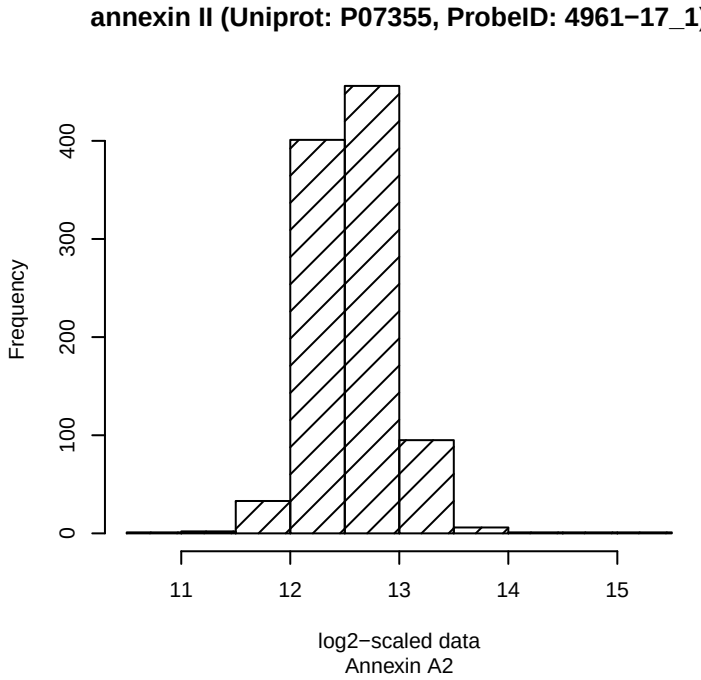


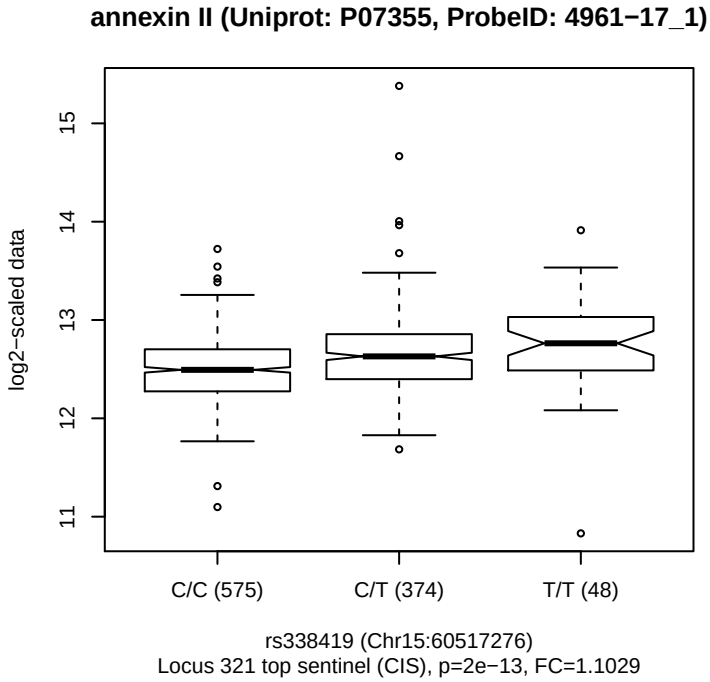

**a1−Antitrypsin (Uniprot: P01009, ProbeID: 3580−25_8)**

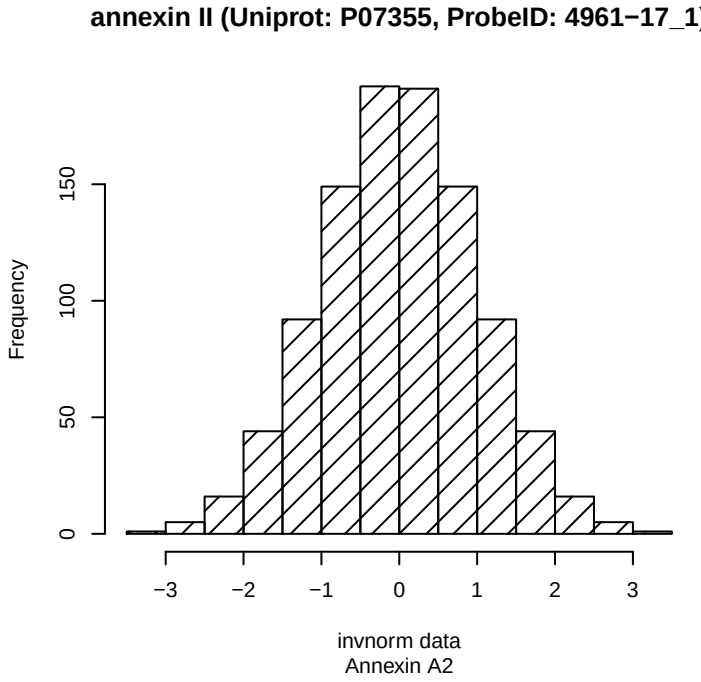


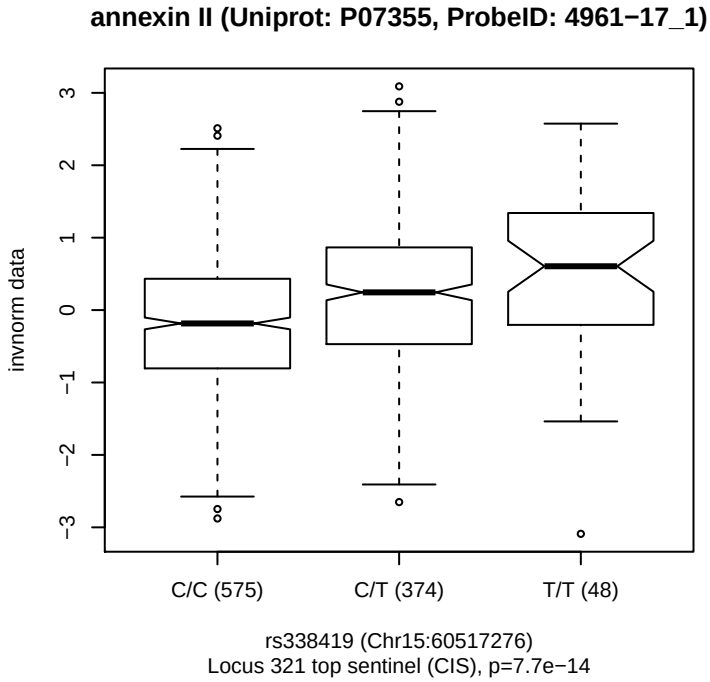

annexin II (Uniprot: P07355, ProbeID: 4961−17_1)
Frequency
0
200
400
600
0
10000
20000
30000
40000
raw data
Annexin A2

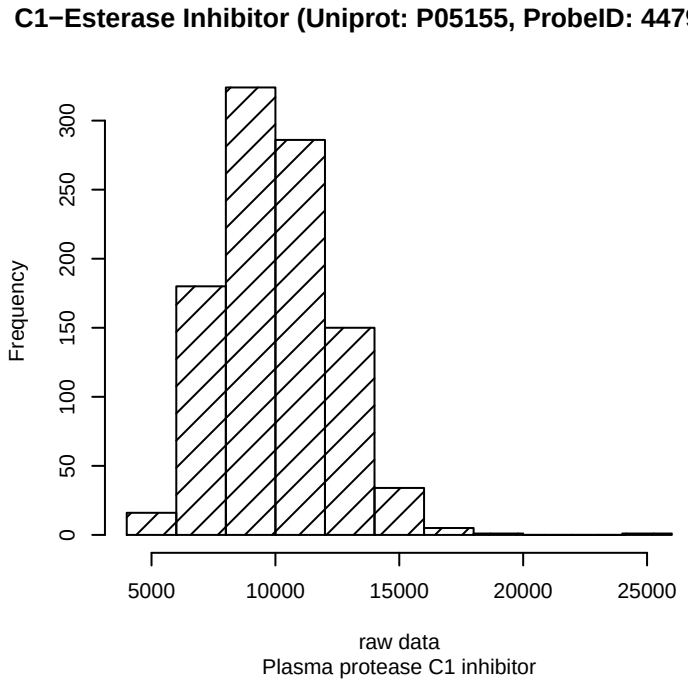

annexin II (Uniprot: P07355, ProbeID: 4961−17_1)
raw data
10000
20000
30000
40000
C/C (575)
C/T (374)
T/T (48)
rs338419 (Chr15:60517276)
Locus 321 top sentinel (CIS), p=3.2e−11

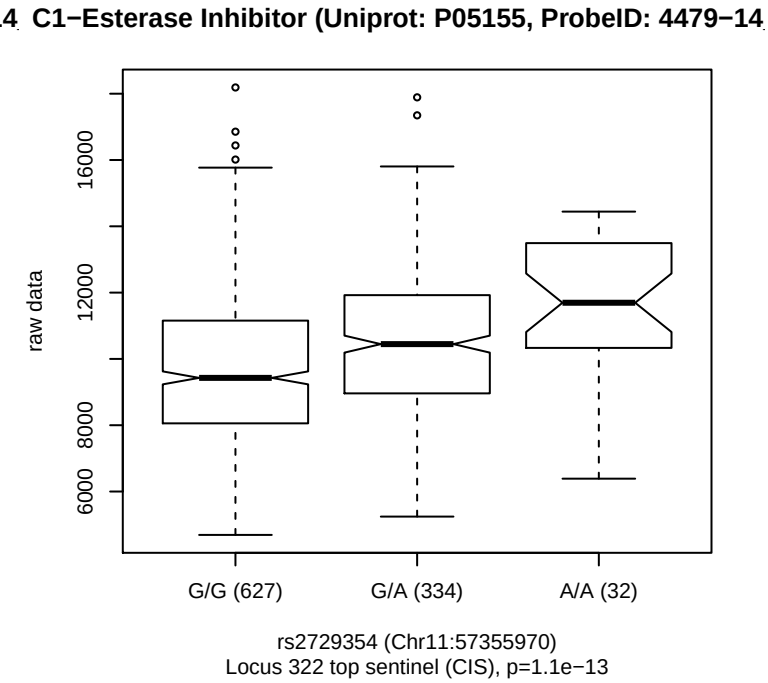

annexin II (Uniprot: P07355, ProbeID: 4961−17_1)
Frequency
0
100
200
300
400
11
12
13
14
15
log2−scaled data
Annexin A2

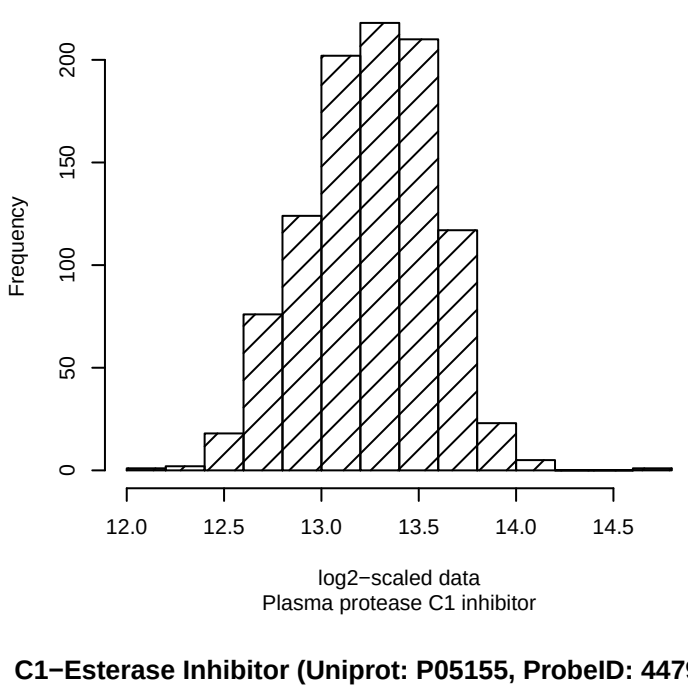

annexin II (Uniprot: P07355, ProbeID: 4961−17_1)
log2−scaled data
11
12
13
14
15
C/C (575)
C/T (374)
T/T (48)
rs338419 (Chr15:60517276)
Locus 321 top sentinel (CIS), p=2e−13, FC=1.1029

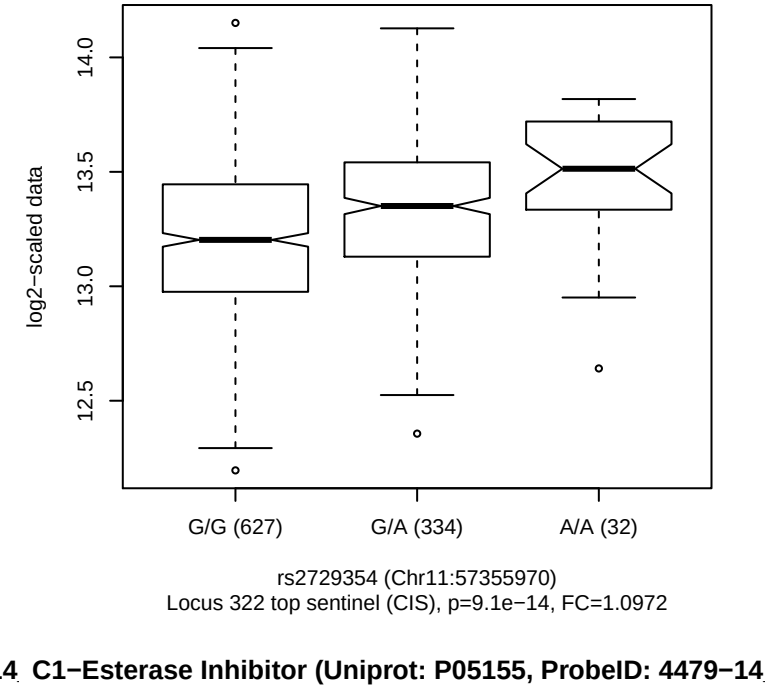

annexin II (Uniprot: P07355, ProbeID: 4961−17_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Annexin A2

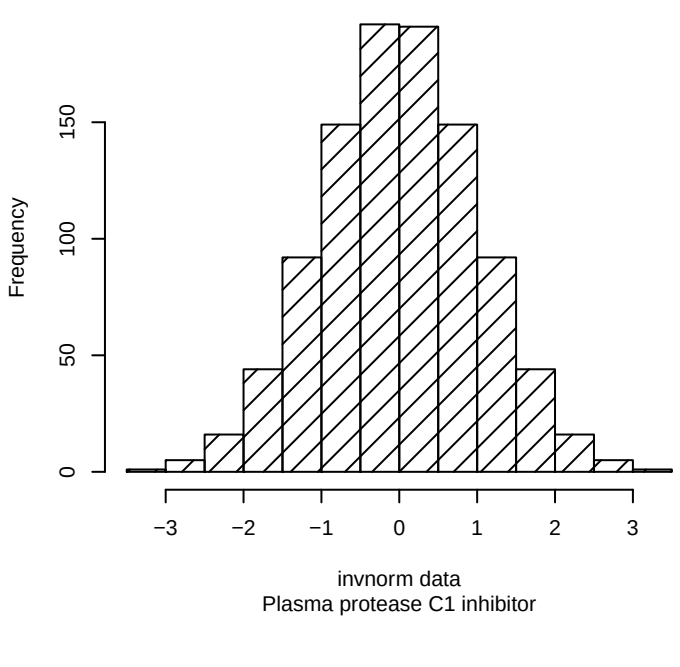

annexin II (Uniprot: P07355, ProbeID: 4961−17_1)
invnorm data
−3
−2
−1
0
1
2
3
C/C (575)
C/T (374)
T/T (48)
rs338419 (Chr15:60517276)
Locus 321 top sentinel (CIS), p=7.7e−14

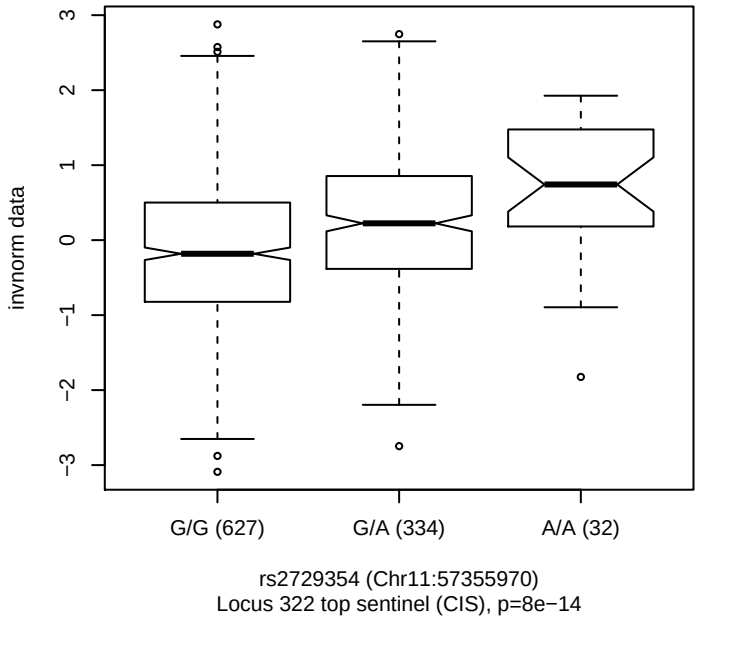

C1−Esterase Inhibitor (Uniprot: P05155, ProbeID: 4479−14
Frequency
0
50
100
150
200
250
300
5000
10000
15000
20000
25000
raw data
Plasma protease C1 inhibitor

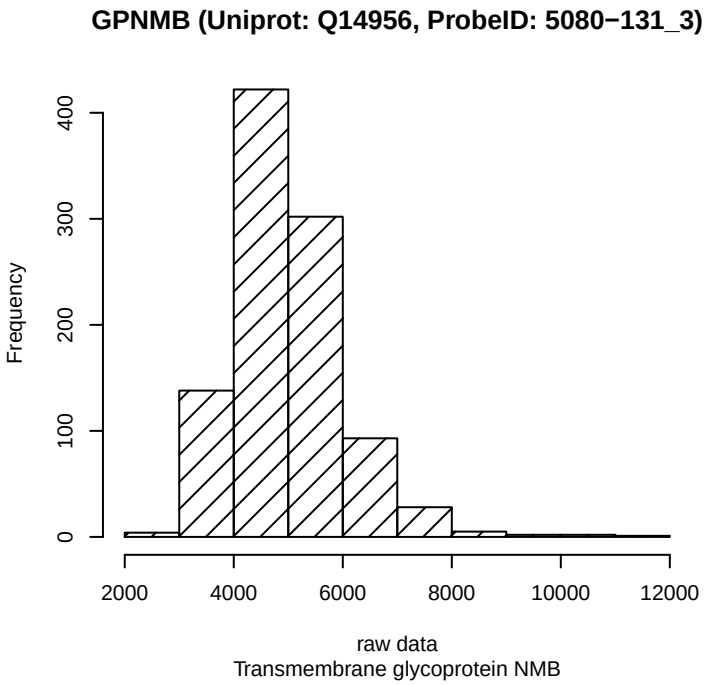

C1−Esterase Inhibitor (Uniprot: P05155, ProbeID: 4479−14
raw data
6000
8000
12000
16000
G/G (627)
G/A (334)
A/A (32)
rs2729354 (Chr11:57355970)
Locus 322 top sentinel (CIS), p=1.1e−13

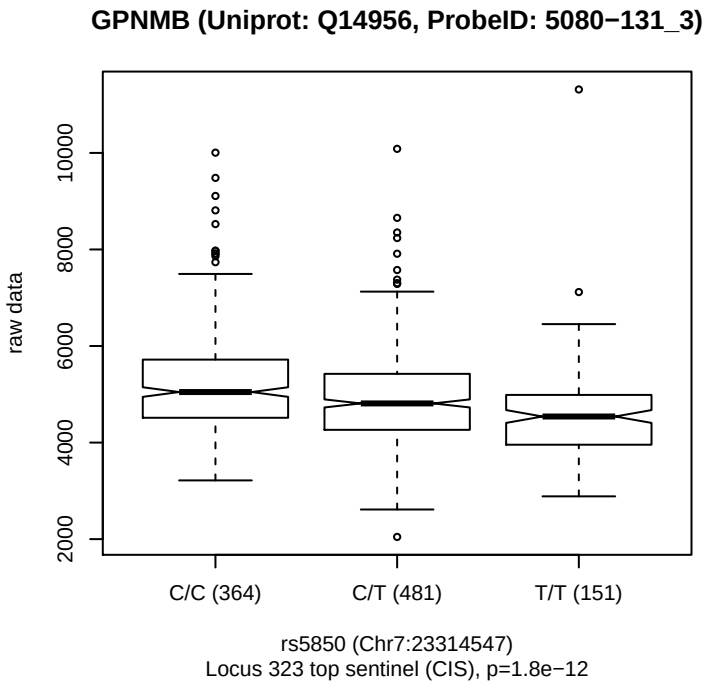

C1−Esterase Inhibitor (Uniprot: P05155, ProbeID: 4479−14
Frequency
0
50
100
150
200
12.0
12.5
13.0
13.5
14.0
14.5
log2−scaled data
Plasma protease C1 inhibitor

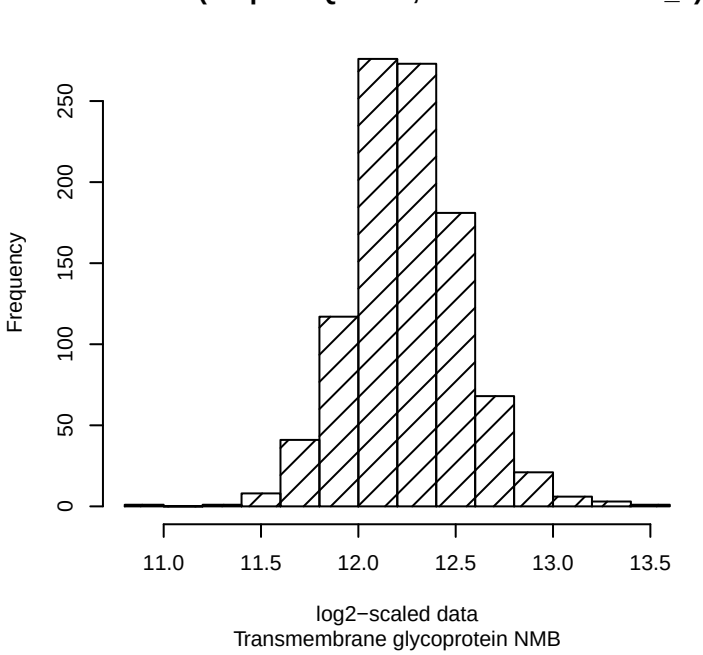

C1−Esterase Inhibitor (Uniprot: P05155, ProbeID: 4479−14
log2−scaled data
12.5
13.0
13.5
14.0
G/G (627)
G/A (334)
A/A (32)
rs2729354 (Chr11:57355970)
Locus 322 top sentinel (CIS), p=9.1e−14, FC=1.0972

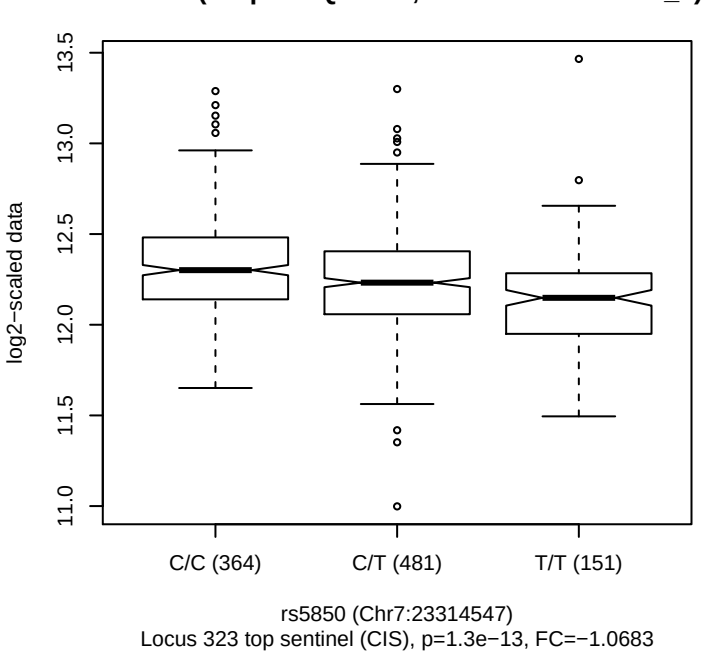

C1−Esterase Inhibitor (Uniprot: P05155, ProbeID: 4479−14
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Plasma protease C1 inhibitor

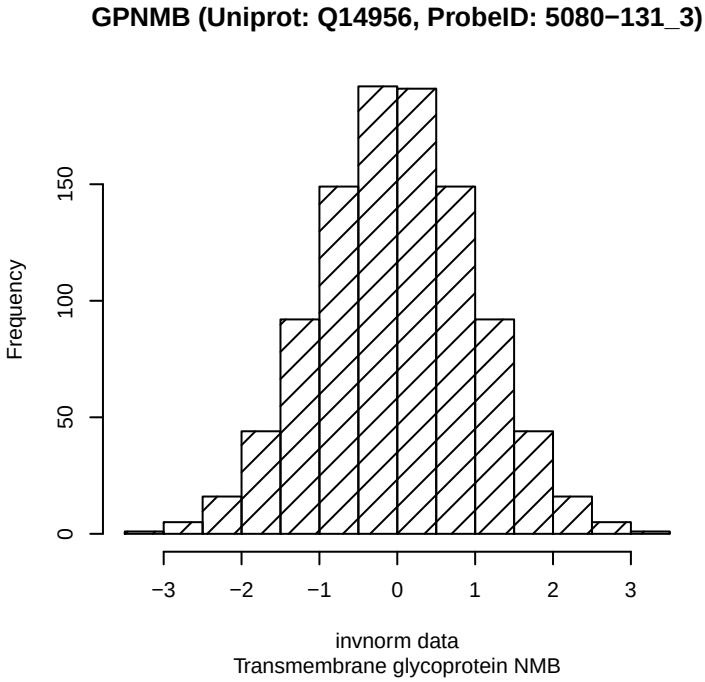

C1−Esterase Inhibitor (Uniprot: P05155, ProbeID: 4479−14
invnorm data
−3
−2
−1
0
1
2
3
G/G (627)
G/A (334)
A/A (32)
rs2729354 (Chr11:57355970)
Locus 322 top sentinel (CIS), p=8e−14

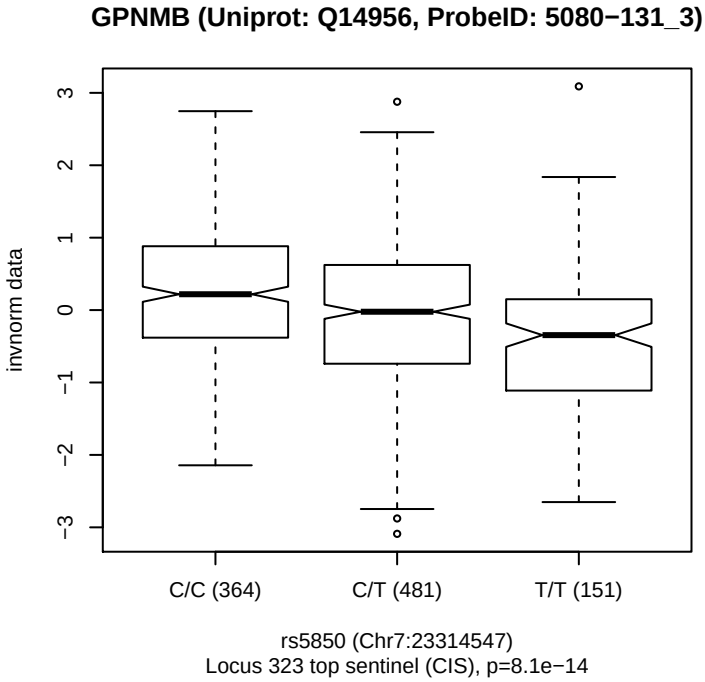

GPNMB (Uniprot: Q14956, ProbeID: 5080−131_3)
Frequency
0
100
200
300
400
2000
4000
6000
8000
10000
12000
raw data
Transmembrane glycoprotein NMB

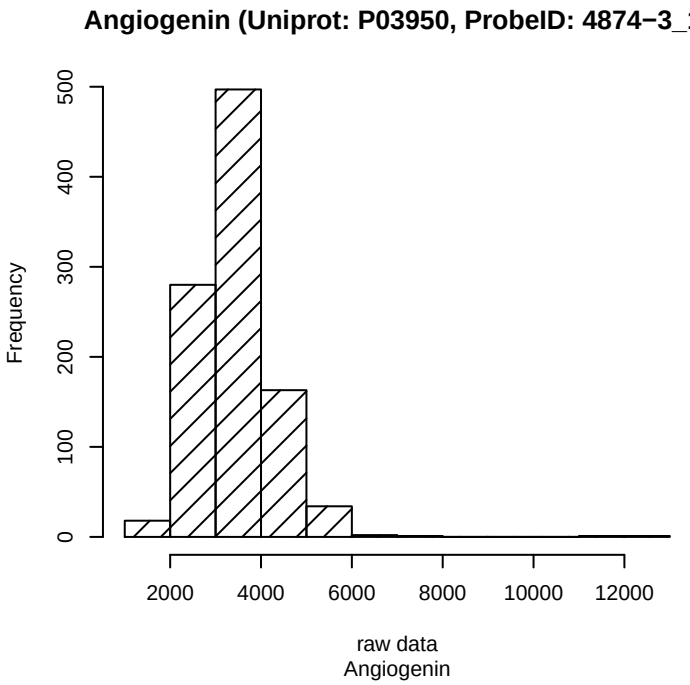

GPNMB (Uniprot: Q14956, ProbeID: 5080−131_3)
raw data
2000
4000
6000
8000
10000
C/C (364)
C/T (481)
T/T (151)
rs5850 (Chr7:23314547)
Locus 323 top sentinel (CIS), p=1.8e−12

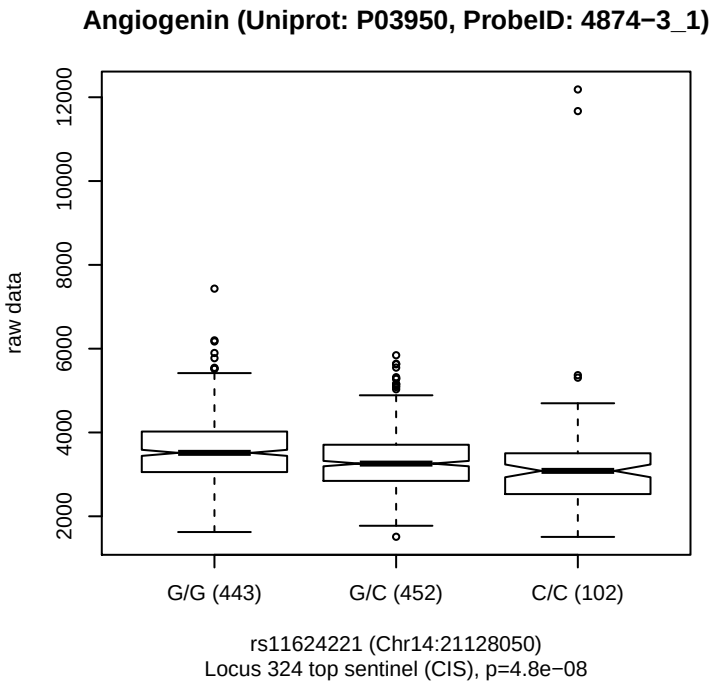

GPNMB (Uniprot: Q14956, ProbeID: 5080−131_3)
Frequency
0
50
100
150
200
250
11.0
11.5
12.0
12.5
13.0
13.5
log2−scaled data
Transmembrane glycoprotein NMB

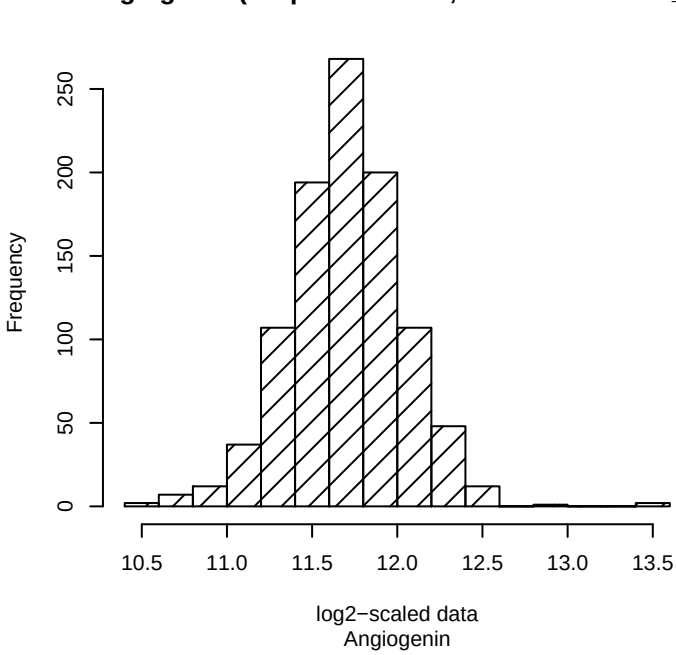

GPNMB (Uniprot: Q14956, ProbeID: 5080−131_3)
log2−scaled data
11.0
11.5
12.0
12.5
13.0
13.5
C/C (364)
C/T (481)
T/T (151)
rs5850 (Chr7:23314547)
Locus 323 top sentinel (CIS), p=1.3e−13, FC=−1.0683

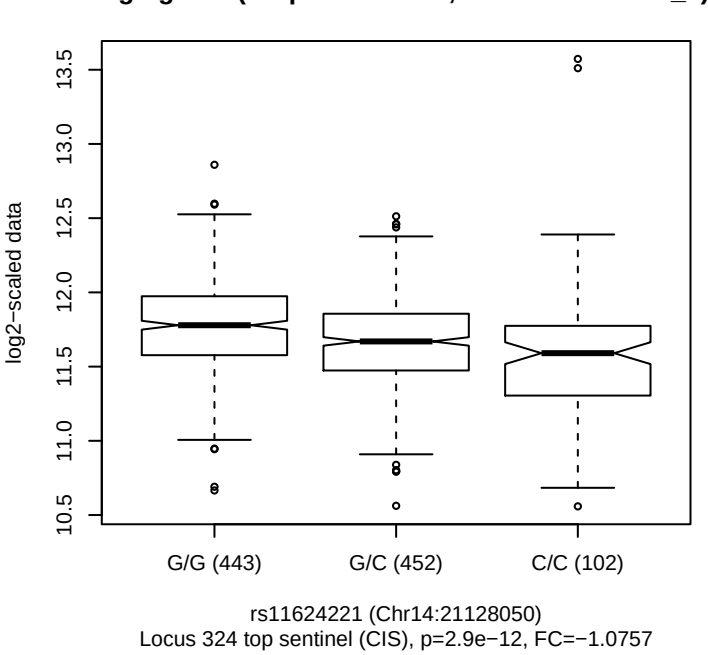

GPNMB (Uniprot: Q14956, ProbeID: 5080−131_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Transmembrane glycoprotein NMB

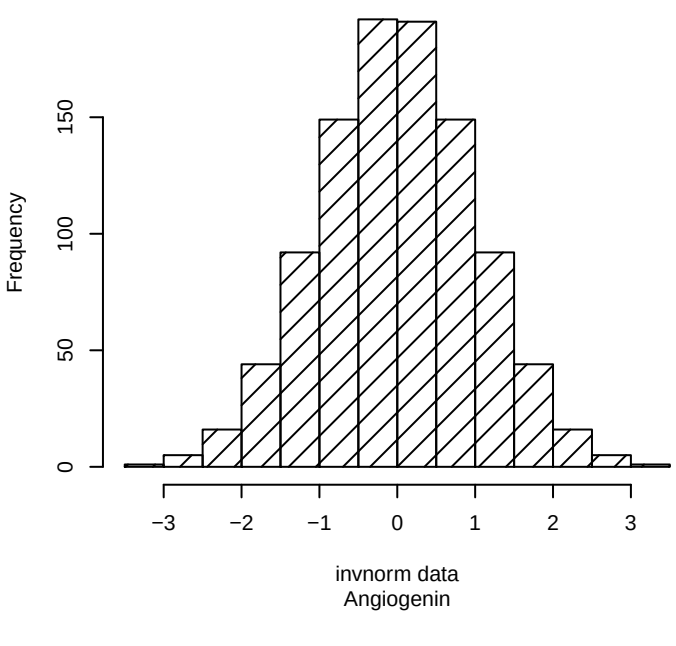

GPNMB (Uniprot: Q14956, ProbeID: 5080−131_3)
invnorm data
−3
−2
−1
0
1
2
3
C/C (364)
C/T (481)
T/T (151)
rs5850 (Chr7:23314547)
Locus 323 top sentinel (CIS), p=8.1e−14

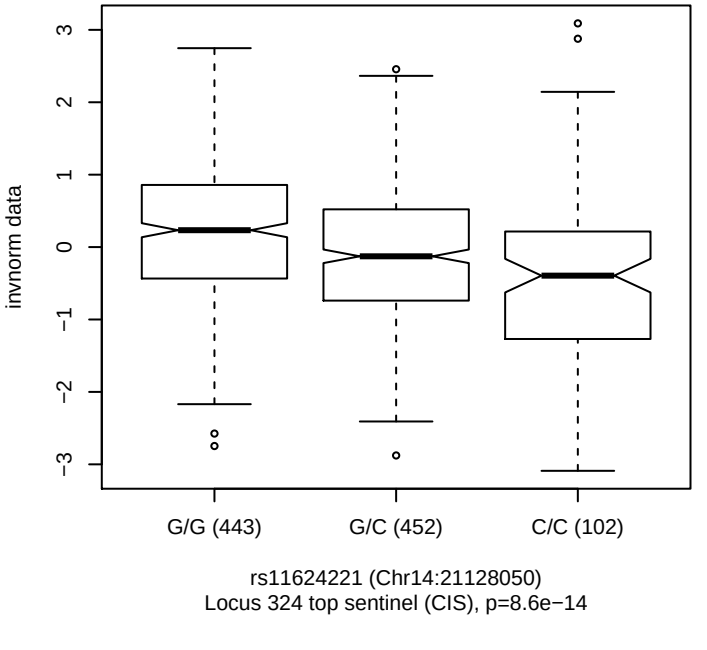

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
Frequency
0
100
200
300
400
500
2000
4000
6000
8000
10000
12000
raw data
Angiogenin

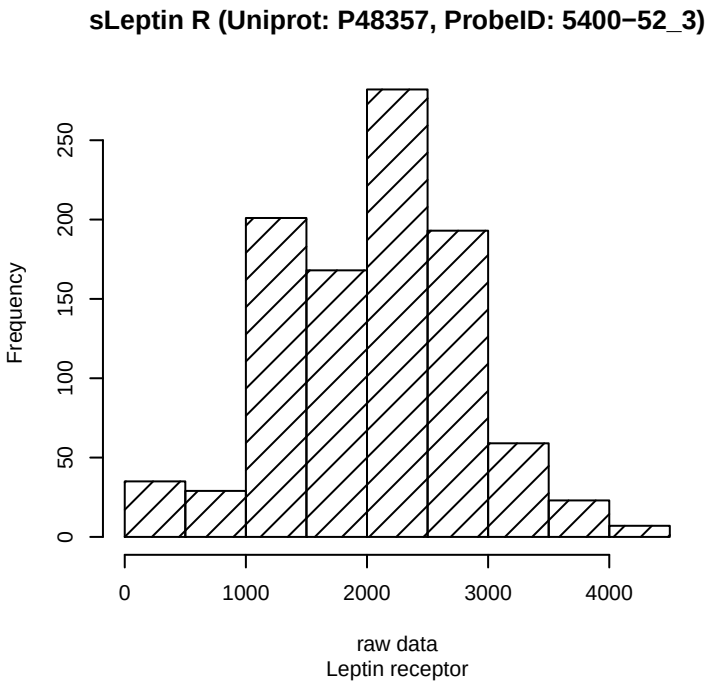

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
raw data
2000
4000
6000
8000
10000
12000
G/G (443)
G/C (452)
C/C (102)
rs11624221 (Chr14:21128050)
Locus 324 top sentinel (CIS), p=4.8e−08

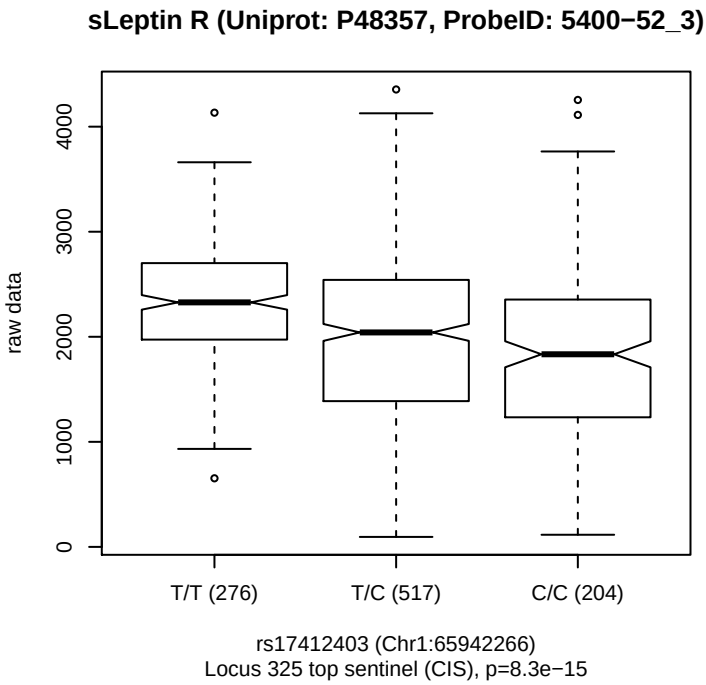

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
Frequency
0
50
100
150
200
250
10.5
11.0
11.5
12.0
12.5
13.0
13.5
log2−scaled data
Angiogenin

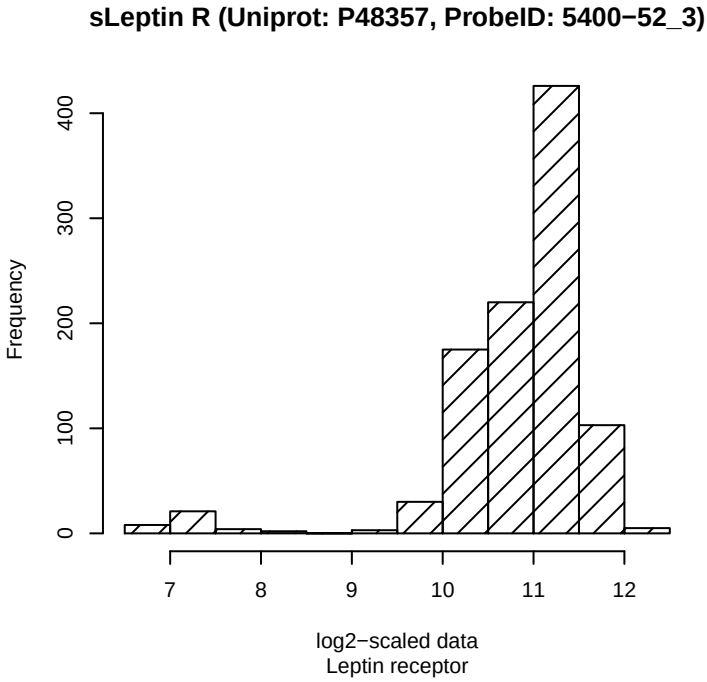

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
log2−scaled data
10.5
11.0
11.5
12.0
12.5
13.0
13.5
G/G (443)
G/C (452)
C/C (102)
rs11624221 (Chr14:21128050)
Locus 324 top sentinel (CIS), p=2.9e−12, FC=−1.0757

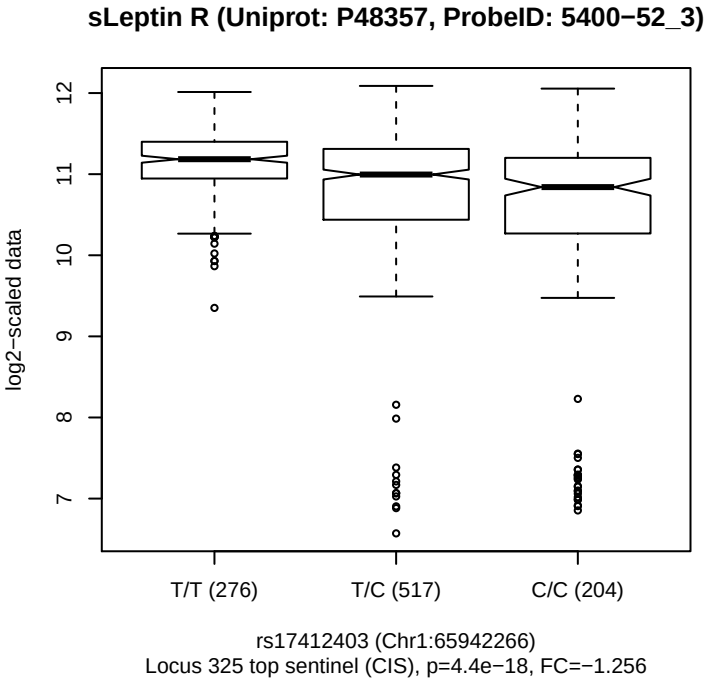

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Angiogenin

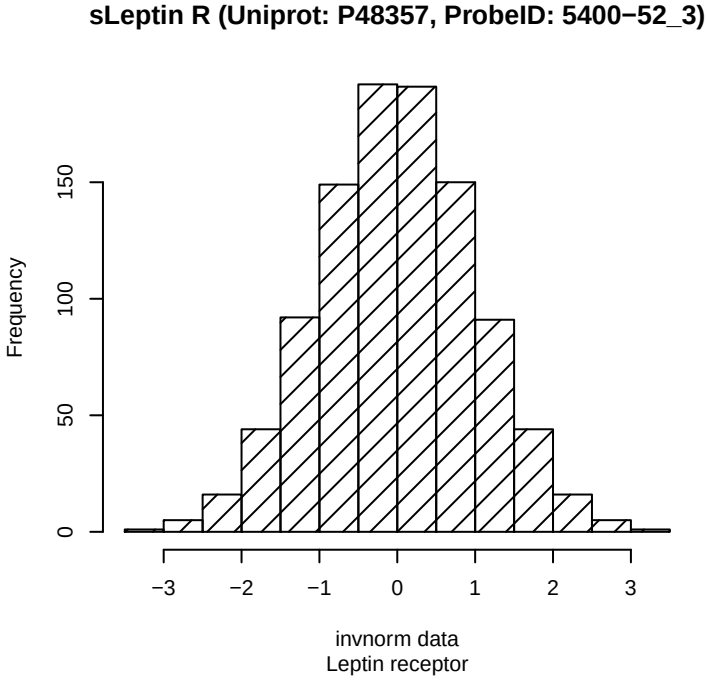

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
invnorm data
−3
−2
−1
0
1
2
3
G/G (443)
G/C (452)
C/C (102)
rs11624221 (Chr14:21128050)
Locus 324 top sentinel (CIS), p=8.6e−14

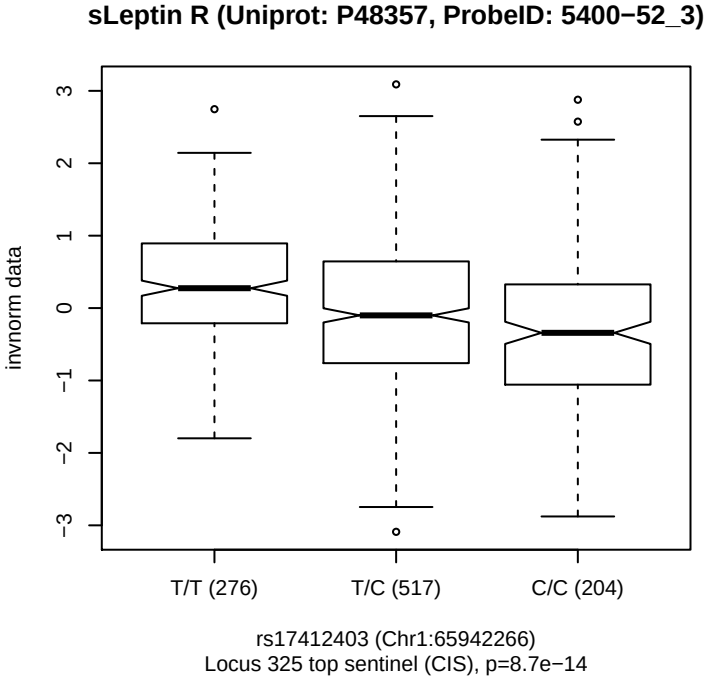

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
Frequency
0
50
100
150
200
250
0
1000
2000
3000
4000
raw data
Leptin receptor

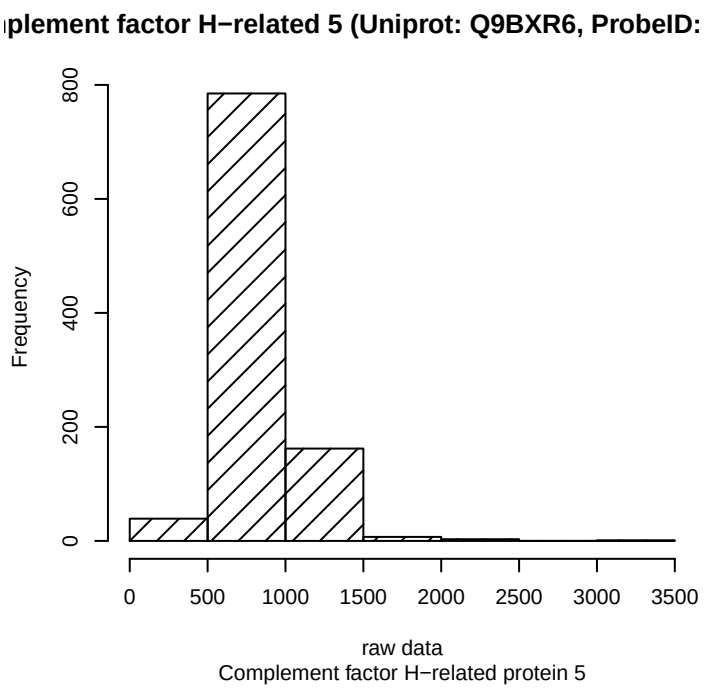

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
raw data
0
1000
2000
3000
4000
T/T (276)
T/C (517)
C/C (204)
rs17412403 (Chr1:65942266)
Locus 325 top sentinel (CIS), p=8.3e−15

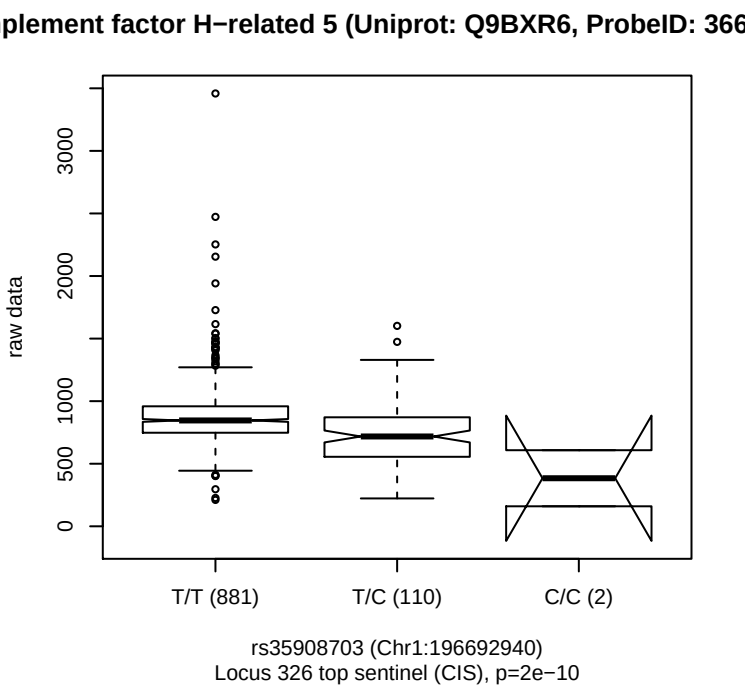

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
Frequency
0
100
200
300
400
7
8
9
10
11
12
log2−scaled data
Leptin receptor

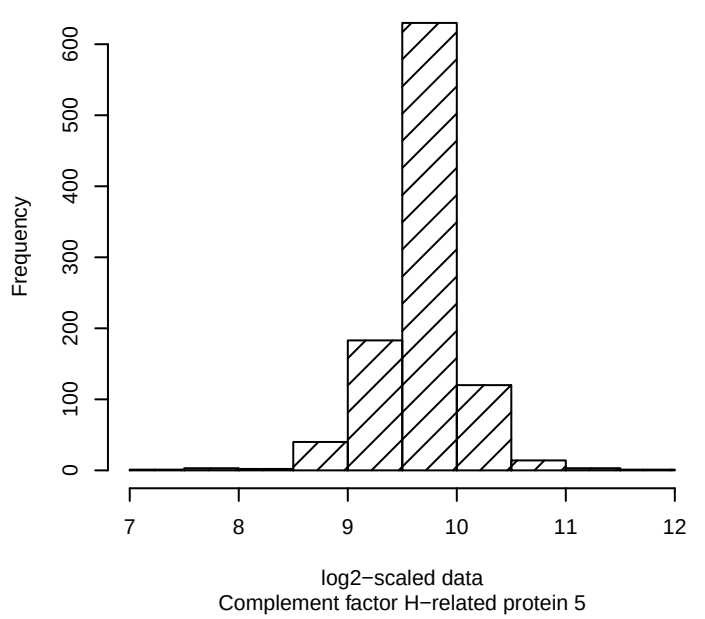

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
log2−scaled data
7
8
9
10
11
12
T/T (276)
T/C (517)
C/C (204)
rs17412403 (Chr1:65942266)
Locus 325 top sentinel (CIS), p=4.4e−18, FC=−1.256

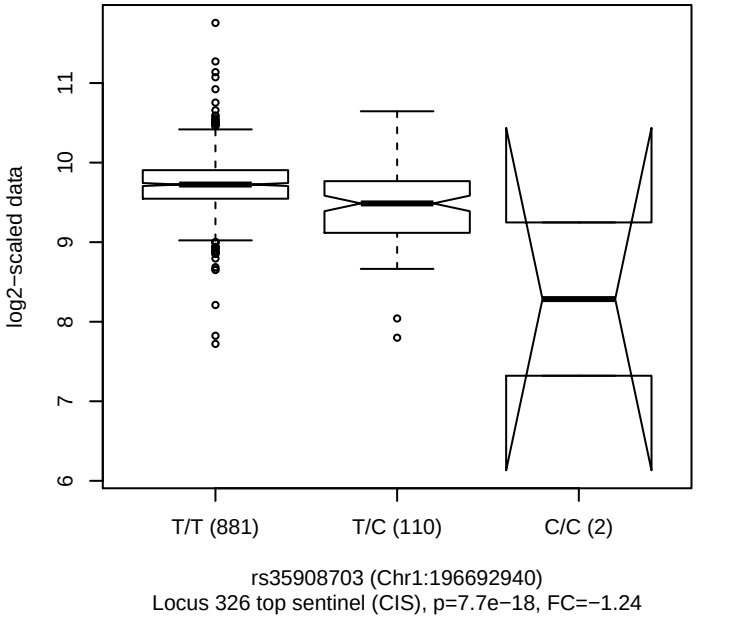

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Leptin receptor

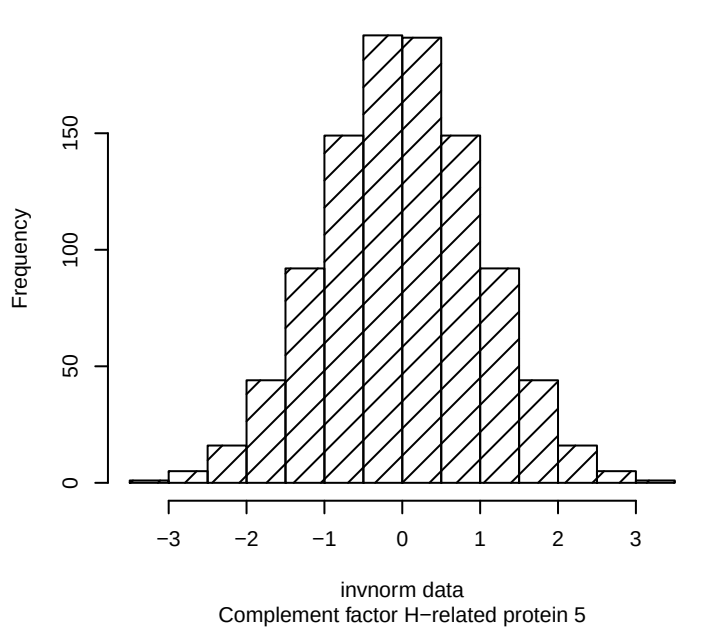

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
invnorm data
−3
−2
−1
0
1
2
3
T/T (276)
T/C (517)
C/C (204)
rs17412403 (Chr1:65942266)
Locus 325 top sentinel (CIS), p=8.7e−14

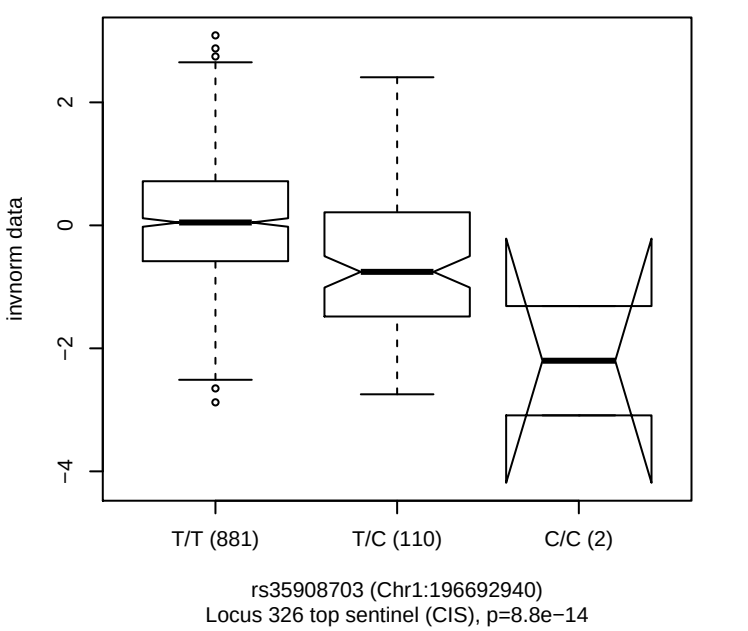

plement factor H−related 5 (Uniprot: Q9BXR6, ProbeID: 366
Frequency
0
200
400
600
800
0
500
1000
1500
2000
2500
3000
3500
raw data
Complement factor H−related protein 5


plement factor H−related 5 (Uniprot: Q9BXR6, ProbeID: 366
raw data
0
500
1000
2000
3000
T/T (881)
T/C (110)
C/C (2)
rs35908703 (Chr1:196692940)
Locus 326 top sentinel (CIS), p=2e−10

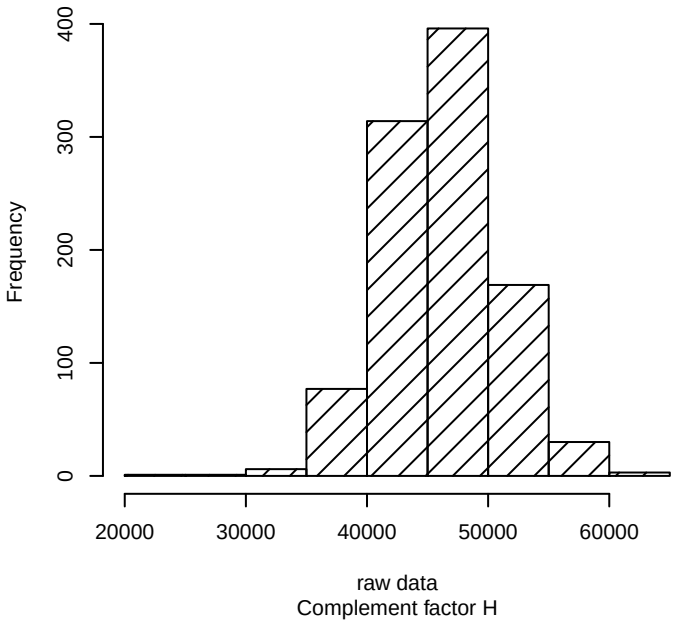

plement factor H−related 5 (Uniprot: Q9BXR6, ProbeID: 366
Frequency
0
100
200
300
400
500
600
7
8
9
10
11
12
log2−scaled data
Complement factor H−related protein 5


plement factor H−related 5 (Uniprot: Q9BXR6, ProbeID: 366
log2−scaled data
6
7
8
9
10
11
T/T (881)
T/C (110)
C/C (2)
rs35908703 (Chr1:196692940)
Locus 326 top sentinel (CIS), p=7.7e−18, FC=−1.24

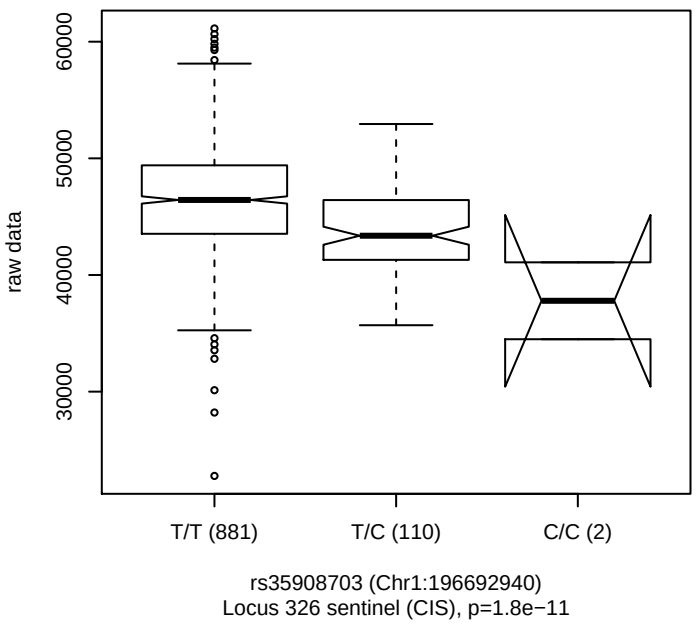

plement factor H−related 5 (Uniprot: Q9BXR6, ProbeID: 366
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Complement factor H−related protein 5


plement factor H−related 5 (Uniprot: Q9BXR6, ProbeID: 366
invnorm data
−4
−2
0
2
T/T (881)
T/C (110)
C/C (2)
rs35908703 (Chr1:196692940)
Locus 326 top sentinel (CIS), p=8.8e−14

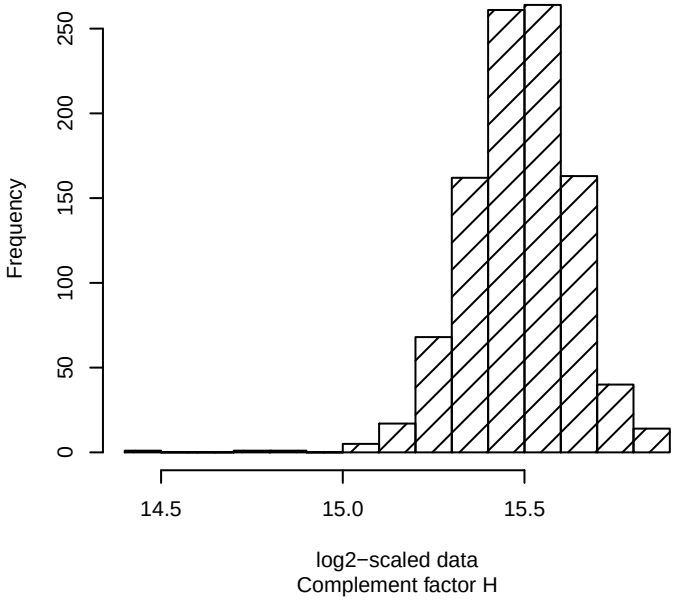
**Factor H (Uniprot: P08603, ProbeID: 4159−130_1)**



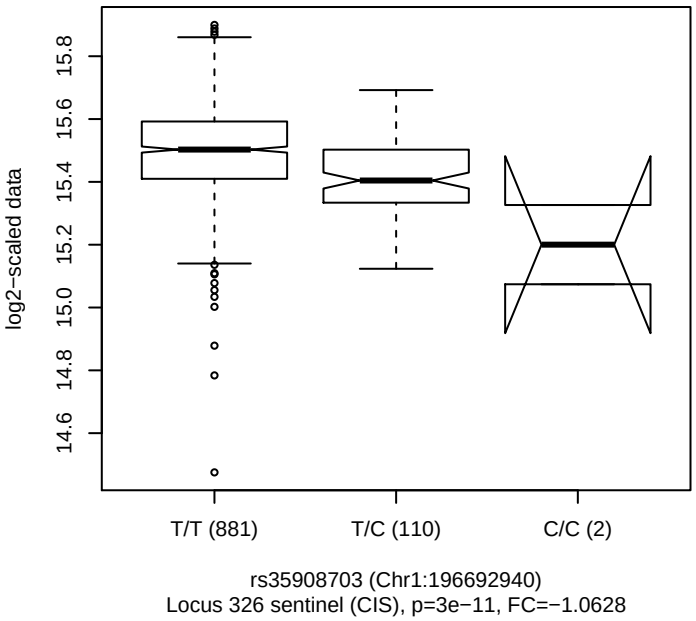

**Factor H (Uniprot: P08603, ProbeID: 4159−130_1)**



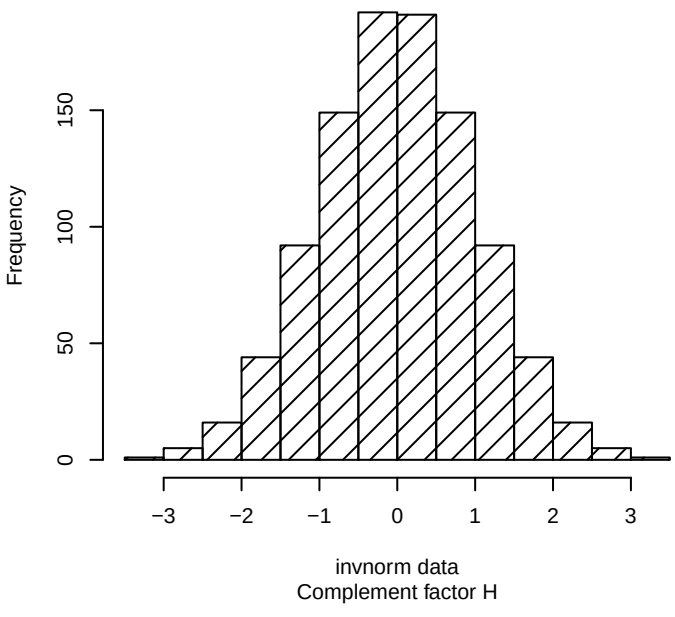

**Factor H (Uniprot: P08603, ProbeID: 4159−130_1)**



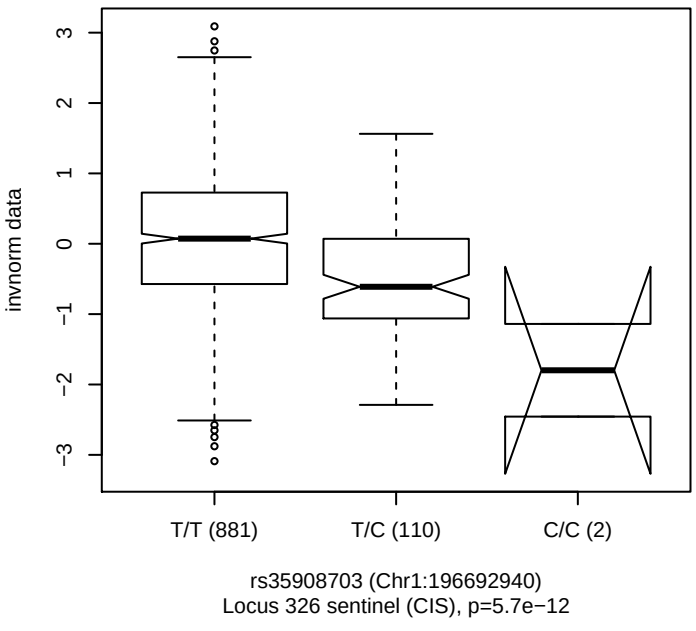

**Factor H (Uniprot: P08603, ProbeID: 4159−130_1)**

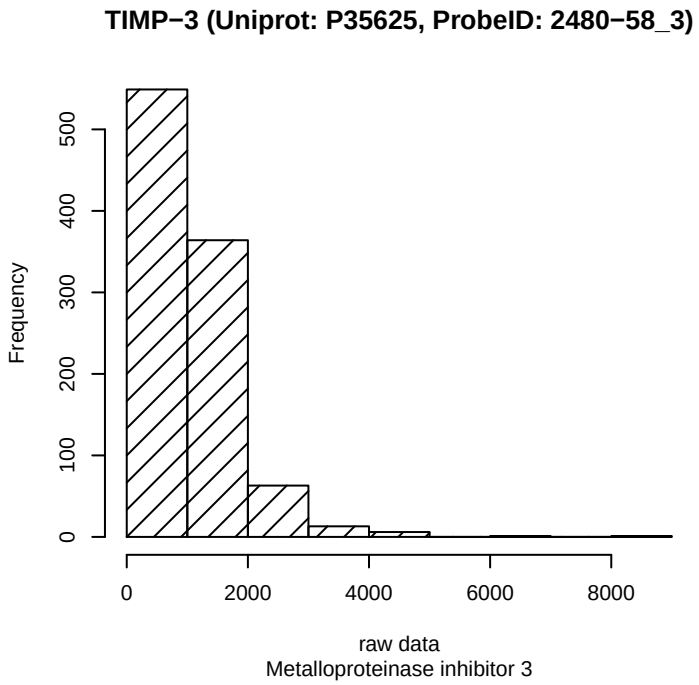


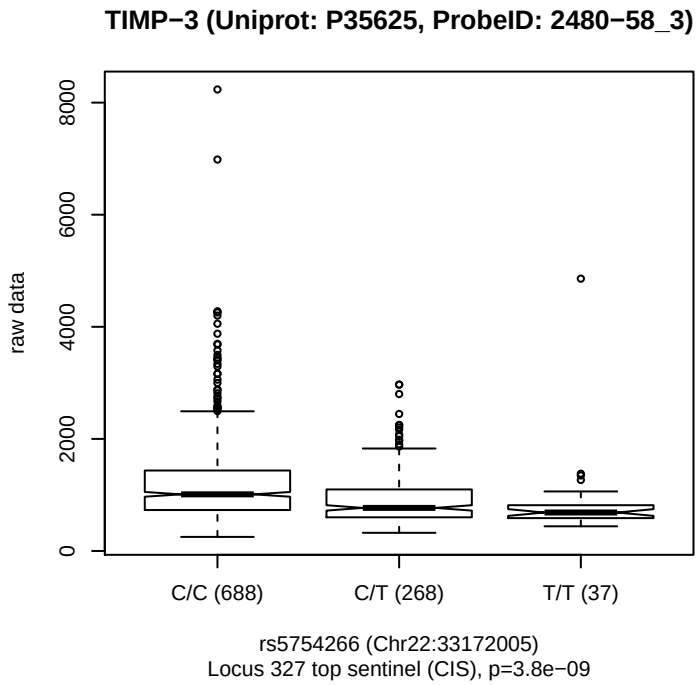

**Factor H (Uniprot: P08603, ProbeID: 4159−130_1)**

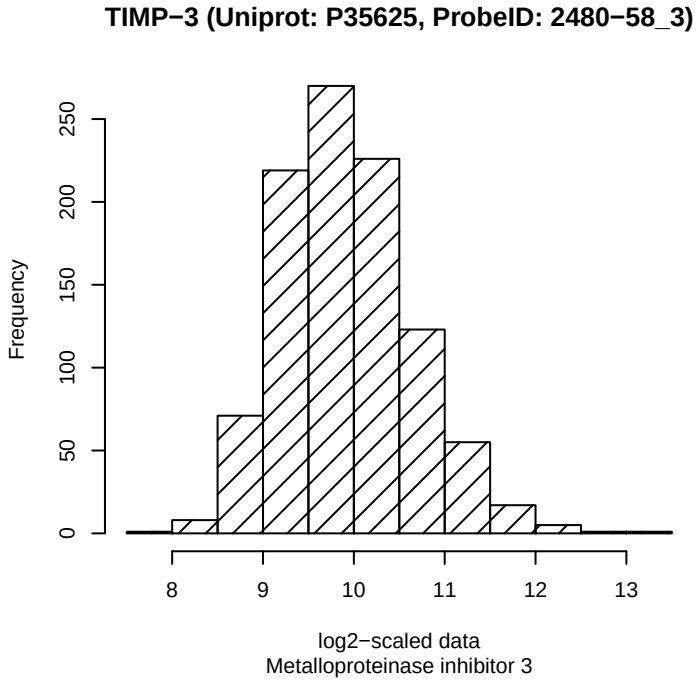


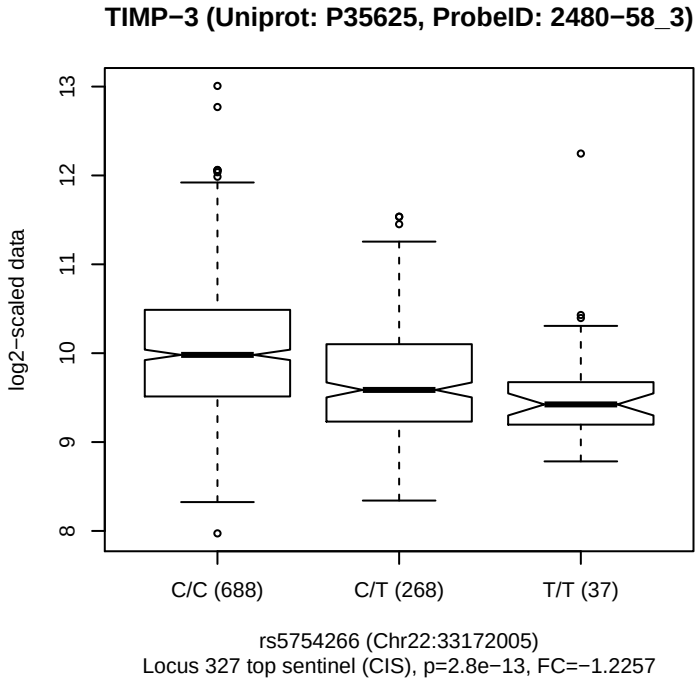

**Factor H (Uniprot: P08603, ProbeID: 4159−130_1)**

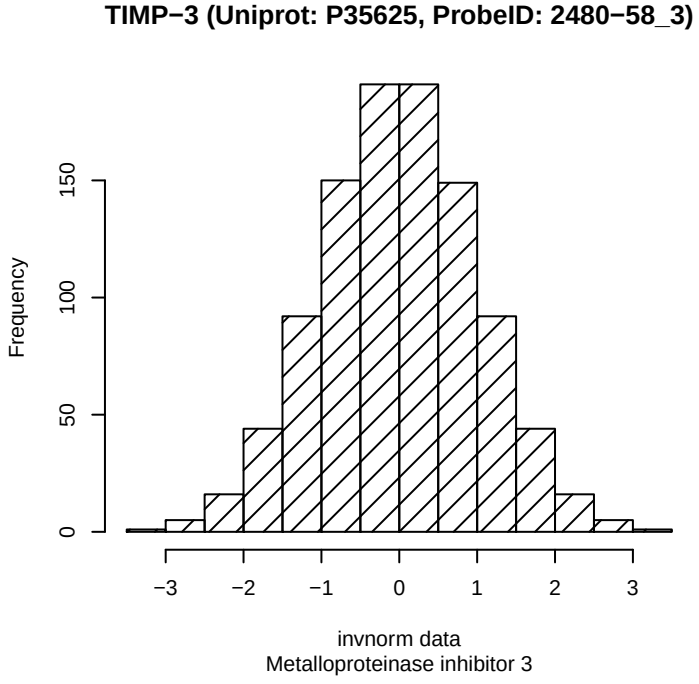


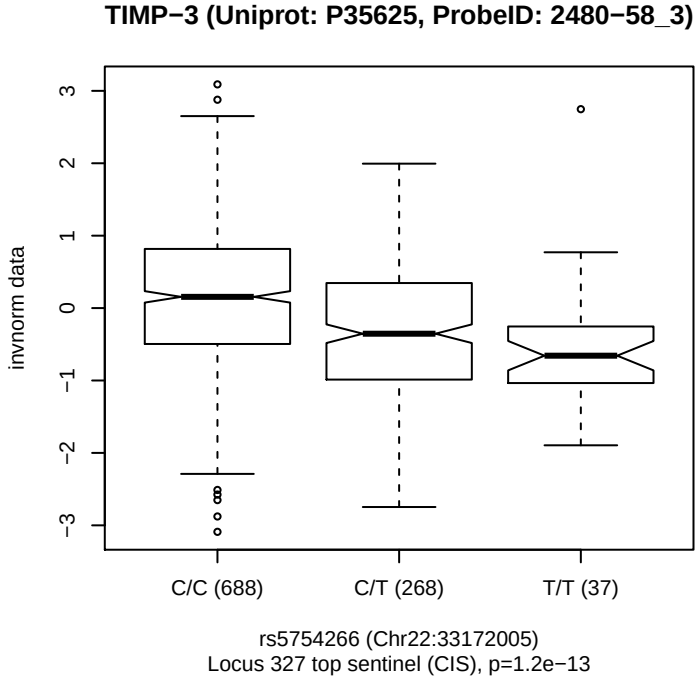

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
Frequency
0
100
200
300
400
500
0
2000
4000
6000
8000
raw data
Metalloproteinase inhibitor 3

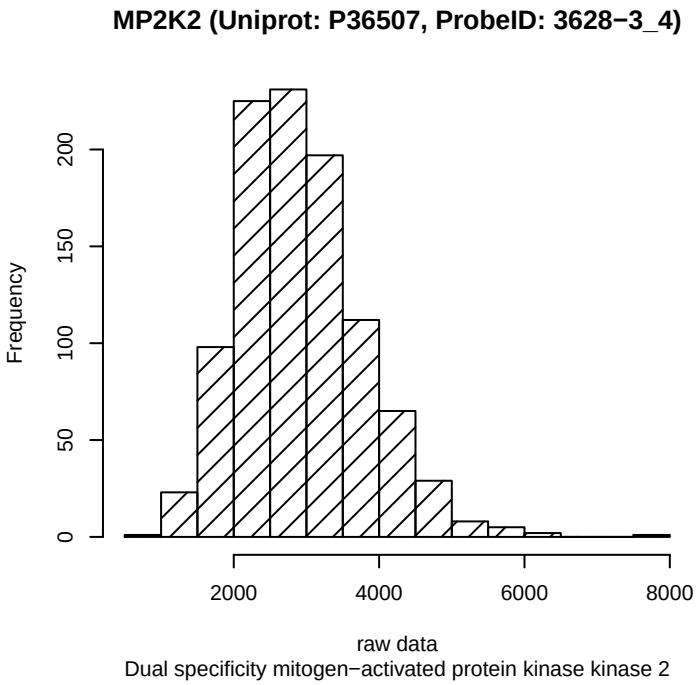

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
raw data
0
2000
4000
6000
8000
C/C (688)
C/T (268)
T/T (37)
rs5754266 (Chr22:33172005)
Locus 327 top sentinel (CIS), p=3.8e−09

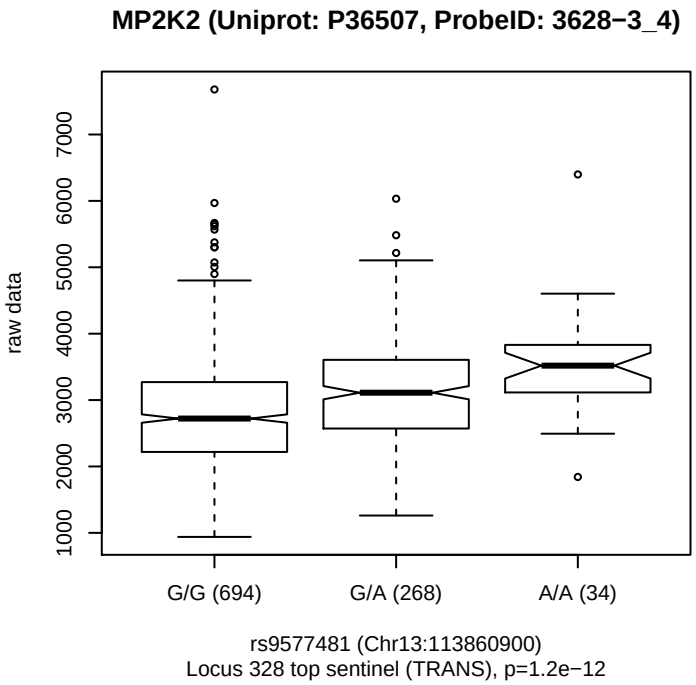

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
Frequency
0
50
100
150
200
250
8
9
10
11
12
13
log2−scaled data
Metalloproteinase inhibitor 3

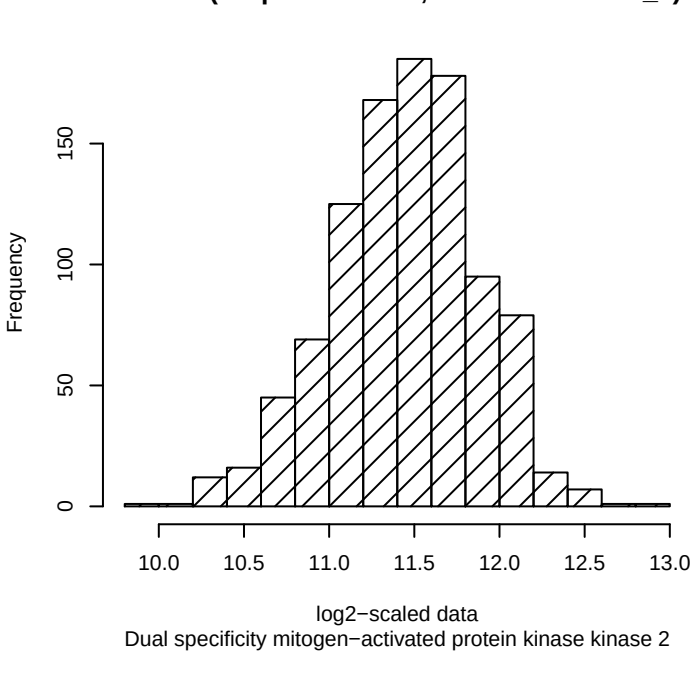

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
log2−scaled data
8
9
10
11
12
13
C/C (688)
C/T (268)
T/T (37)
rs5754266 (Chr22:33172005)
Locus 327 top sentinel (CIS), p=2.8e−13, FC=−1.2257

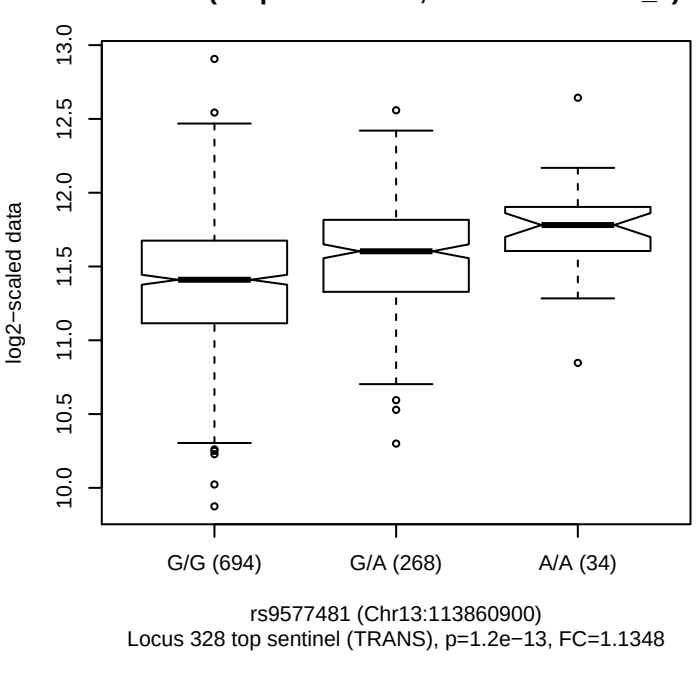

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Metalloproteinase inhibitor 3

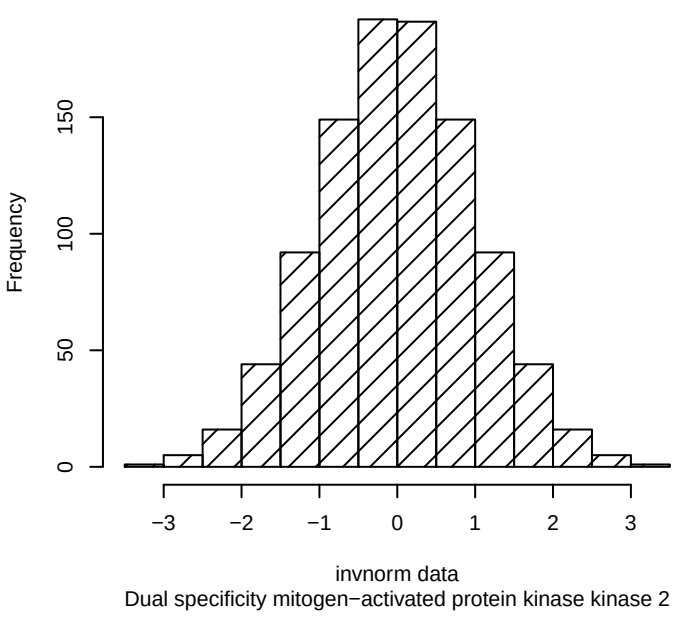

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
invnorm data
−3
−2
−1
0
1
2
3
C/C (688)
C/T (268)
T/T (37)
rs5754266 (Chr22:33172005)
Locus 327 top sentinel (CIS), p=1.2e−13

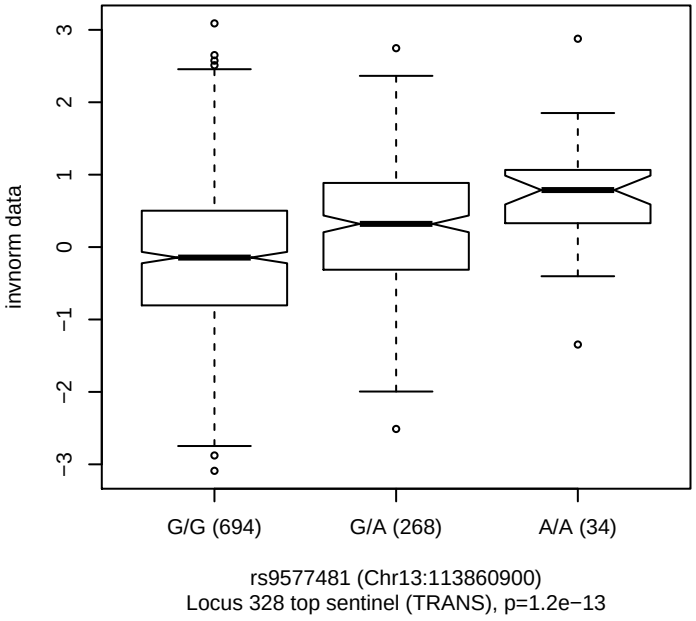

MP2K2 (Uniprot: P36507, ProbeID: 3628−3_4)
Frequency
0
50
100
150
200
2000
4000
6000
8000
raw data
Dual specificity mitogen−activated protein kinase kinase 2

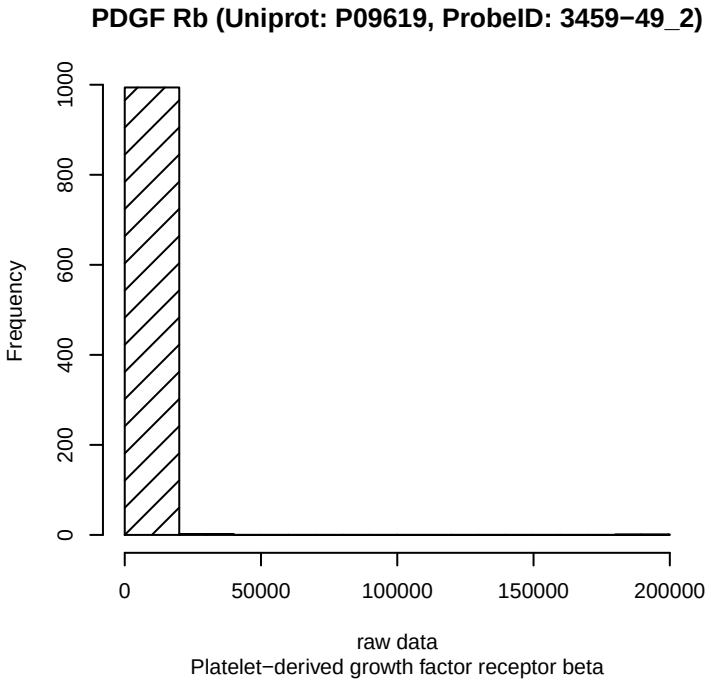

MP2K2 (Uniprot: P36507, ProbeID: 3628−3_4)
raw data
1000
2000
3000
4000
5000
6000
7000
G/G (694)
G/A (268)
A/A (34)
rs9577481 (Chr13:113860900)
Locus 328 top sentinel (TRANS), p=1.2e−12

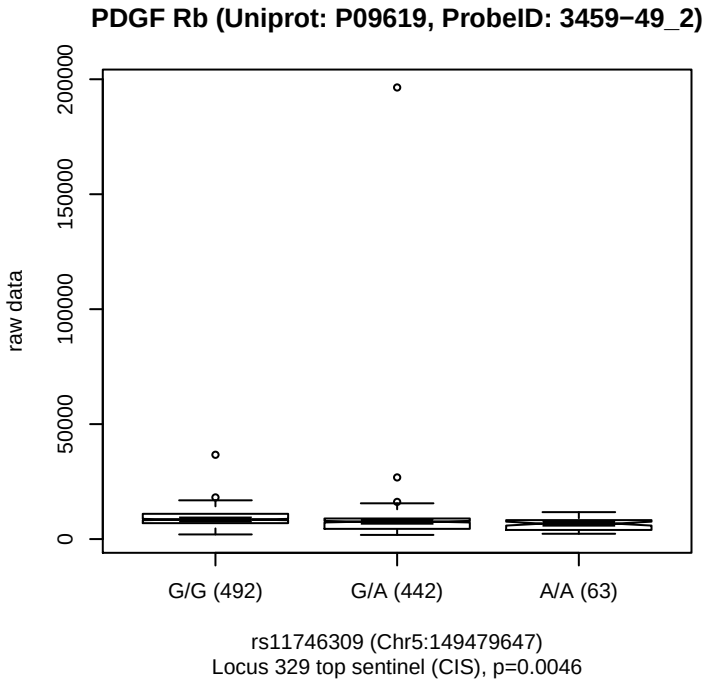

MP2K2 (Uniprot: P36507, ProbeID: 3628−3_4)
Frequency
0
50
100
150
10.0
10.5
11.0
11.5
12.0
12.5
13.0
log2−scaled data
Dual specificity mitogen−activated protein kinase kinase 2

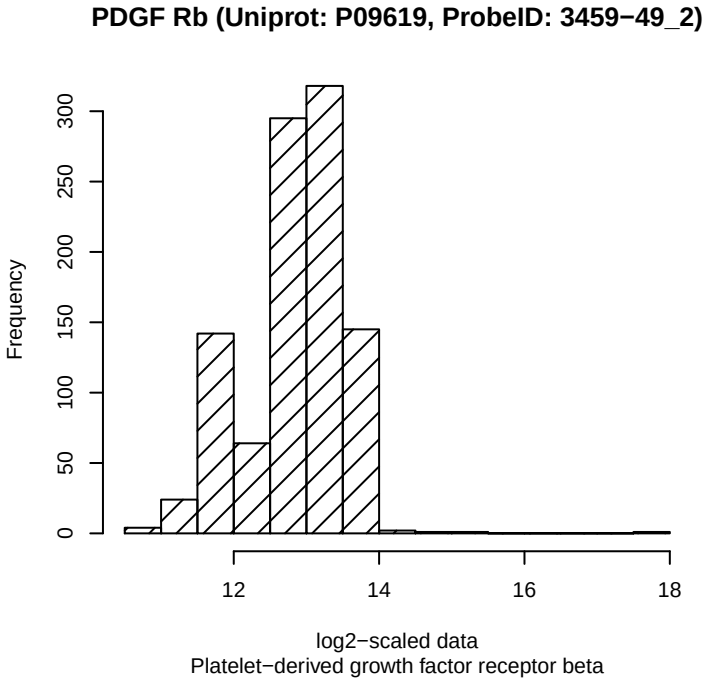

MP2K2 (Uniprot: P36507, ProbeID: 3628−3_4)
log2−scaled data
10.0
10.5
11.0
11.5
12.0
12.5
13.0
G/G (694)
G/A (268)
A/A (34)
rs9577481 (Chr13:113860900)
Locus 328 top sentinel (TRANS), p=1.2e−13, FC=1.1348

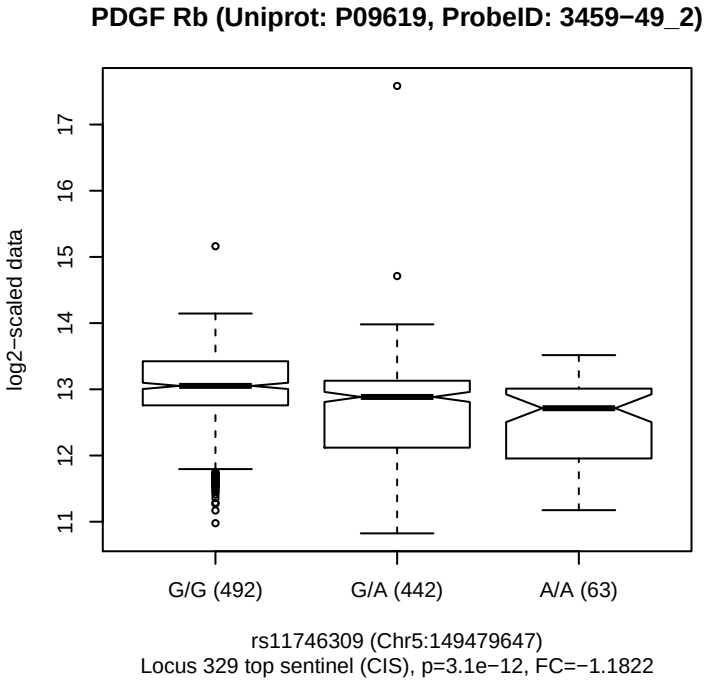

MP2K2 (Uniprot: P36507, ProbeID: 3628−3_4)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Dual specificity mitogen−activated protein kinase kinase 2

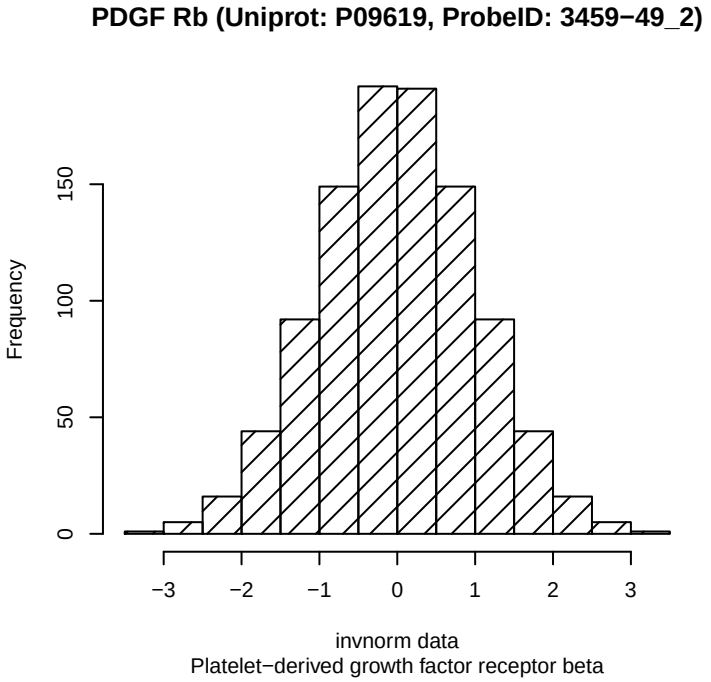

MP2K2 (Uniprot: P36507, ProbeID: 3628−3_4)
invnorm data
−3
−2
−1
0
1
2
3
G/G (694)
G/A (268)
A/A (34)
rs9577481 (Chr13:113860900)
Locus 328 top sentinel (TRANS), p=1.2e−13

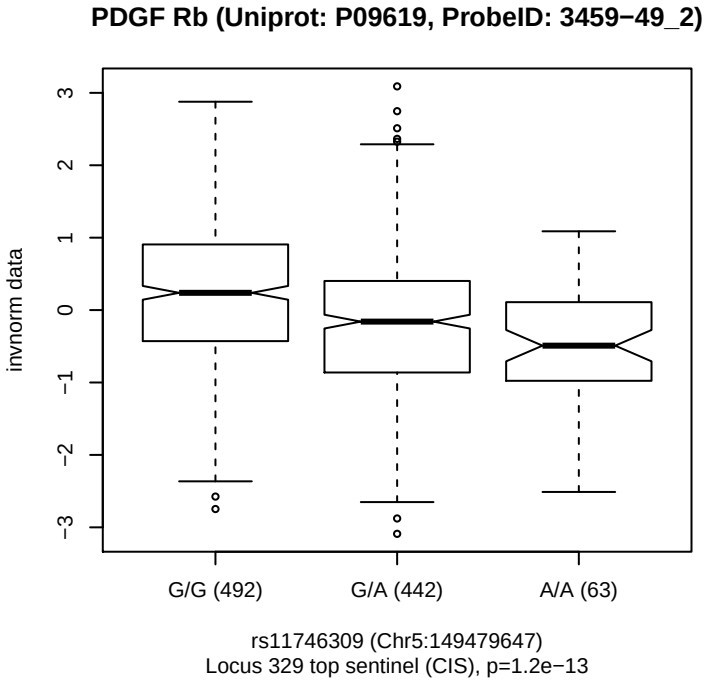

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
Frequency
0
200
400
600
800
1000
0
50000
100000
150000
200000
raw data
Platelet−derived growth factor receptor beta

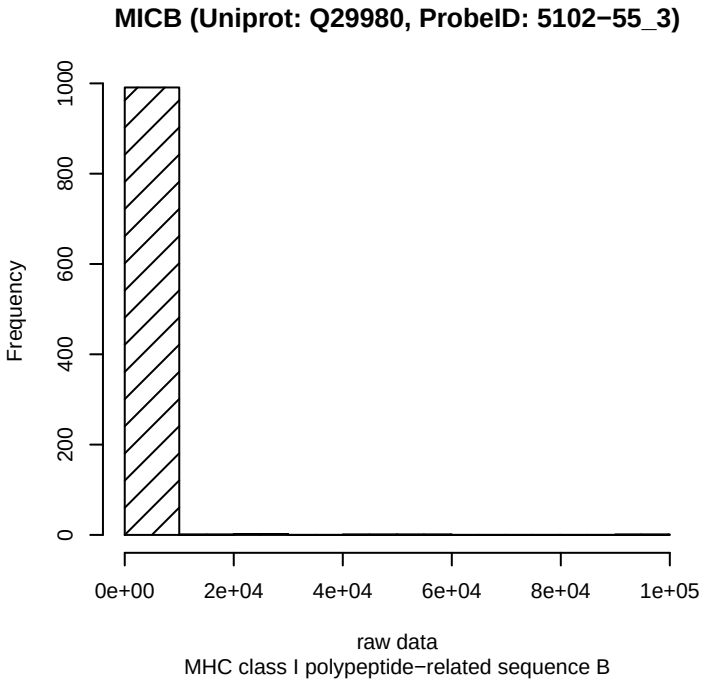

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
raw data
0
50000
100000
150000
200000
G/G (492)
G/A (442)
A/A (63)
rs11746309 (Chr5:149479647)
Locus 329 top sentinel (CIS), p=0.0046

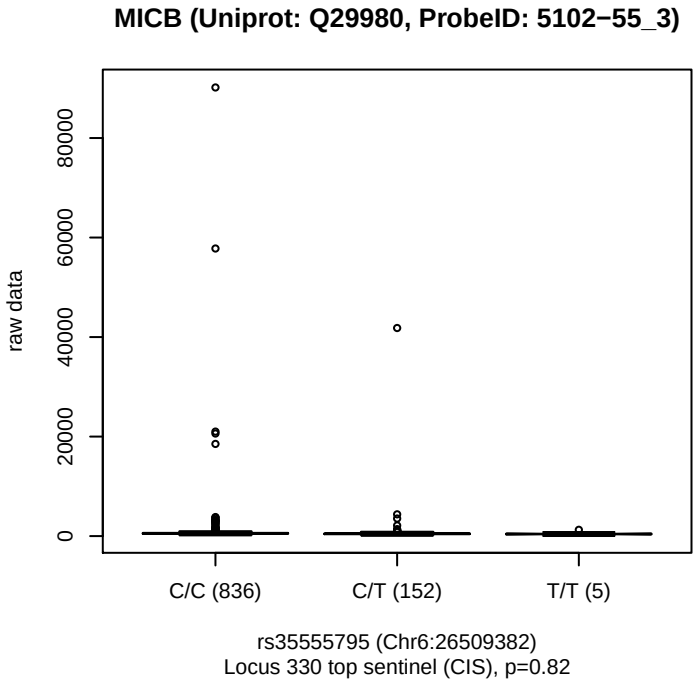

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
Frequency
0
50
100
150
200
250
300
12
14
16
18
log2−scaled data
Platelet−derived growth factor receptor beta

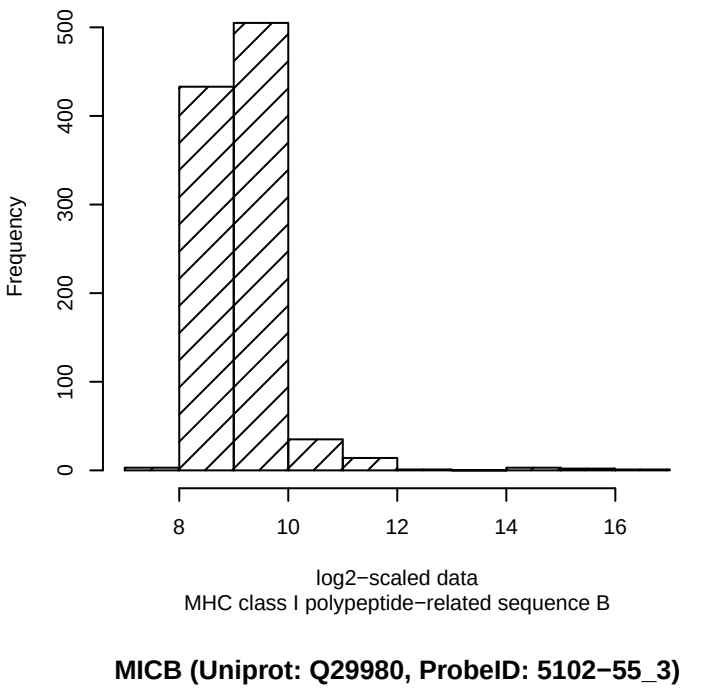

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
log2−scaled data
11
12
13
14
15
16
17
G/G (492)
G/A (442)
A/A (63)
rs11746309 (Chr5:149479647)
Locus 329 top sentinel (CIS), p=3.1e−12, FC=−1.1822

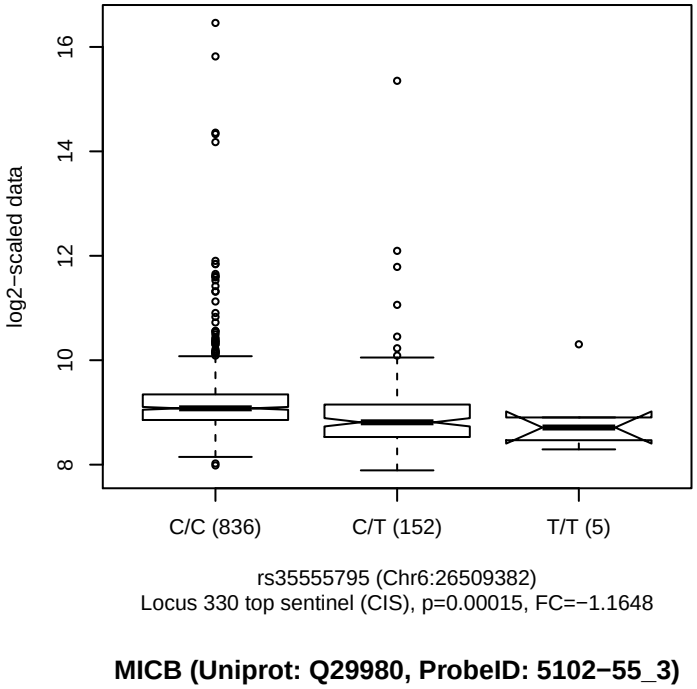

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Platelet−derived growth factor receptor beta

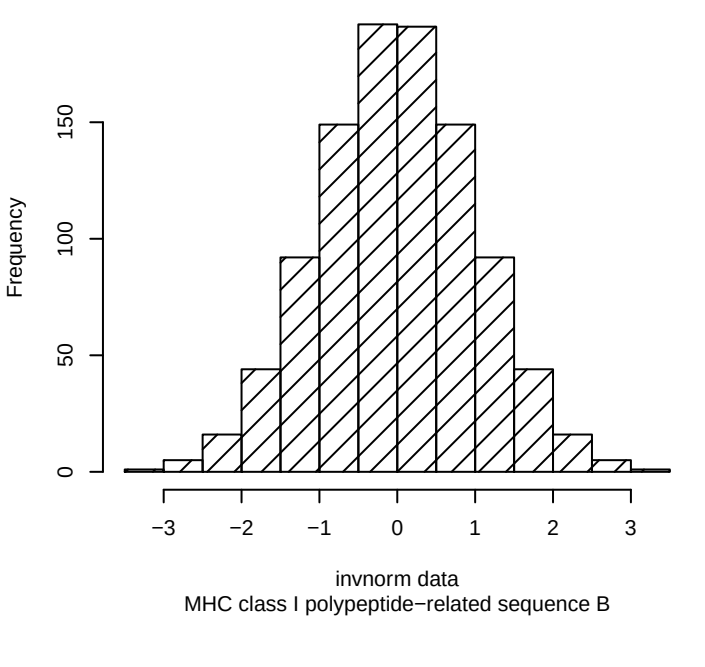

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (492)
G/A (442)
A/A (63)
rs11746309 (Chr5:149479647)
Locus 329 top sentinel (CIS), p=1.2e−13

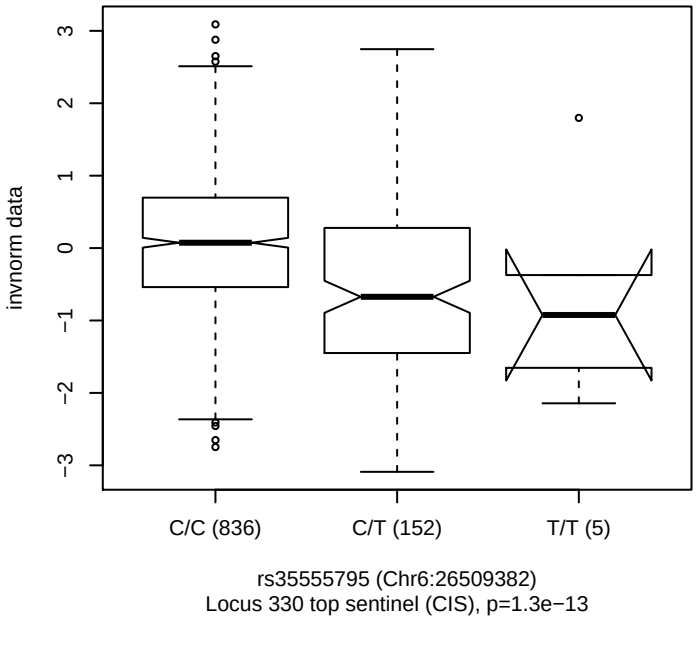

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
200
400
600
800
1000
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
raw data
MHC class I polypeptide−related sequence B

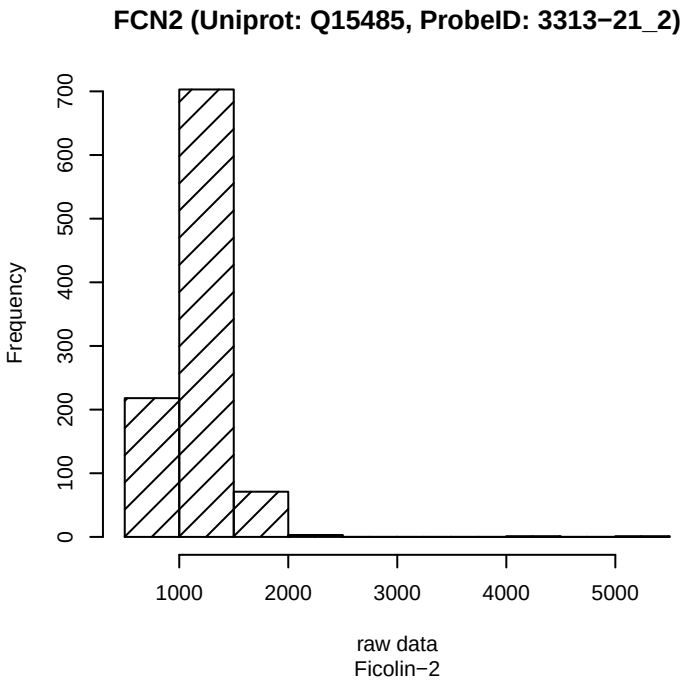

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
raw data
0
20000
40000
60000
80000
C/C (836)
C/T (152)
T/T (5)
rs35555795 (Chr6:26509382)
Locus 330 top sentinel (CIS), p=0.82

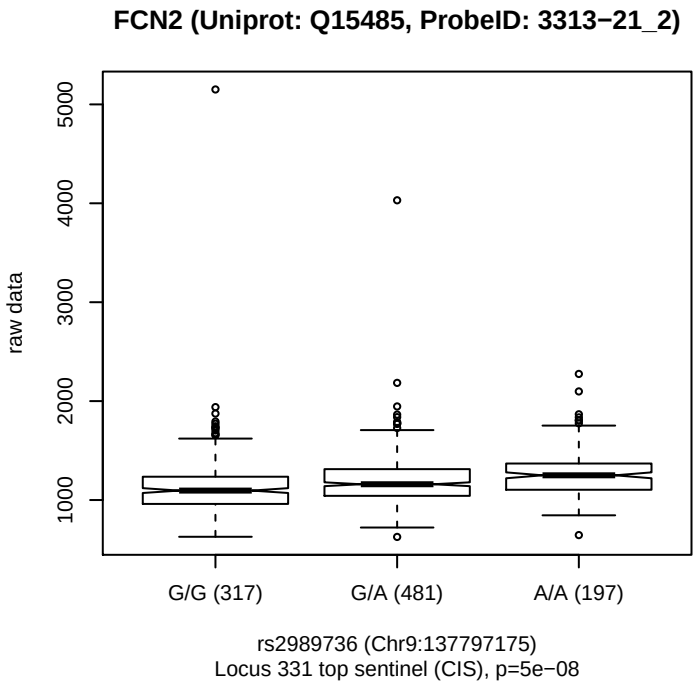

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
100
200
300
400
500
8
10
12
14
16
log2−scaled data
MHC class I polypeptide−related sequence B

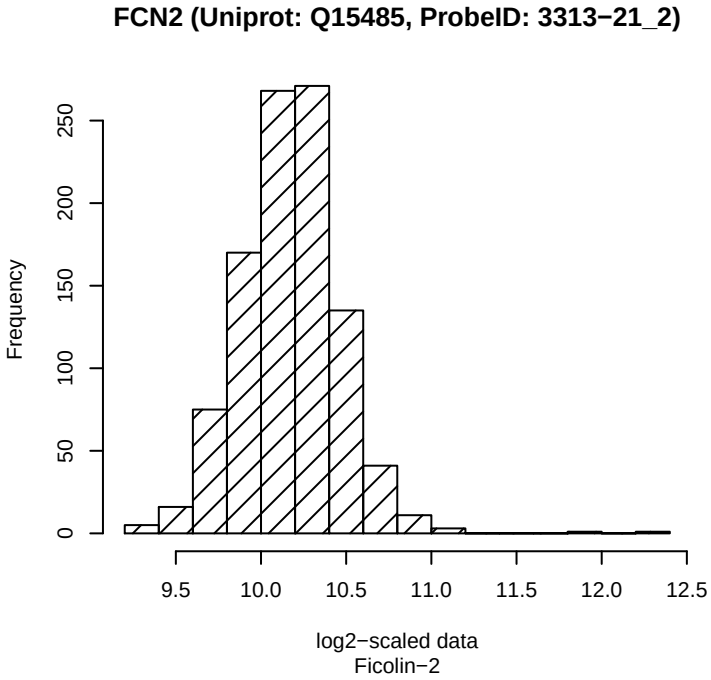

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
log2−scaled data
8
10
12
14
16
C/C (836)
C/T (152)
T/T (5)
rs35555795 (Chr6:26509382)
Locus 330 top sentinel (CIS), p=0.00015, FC=−1.1648

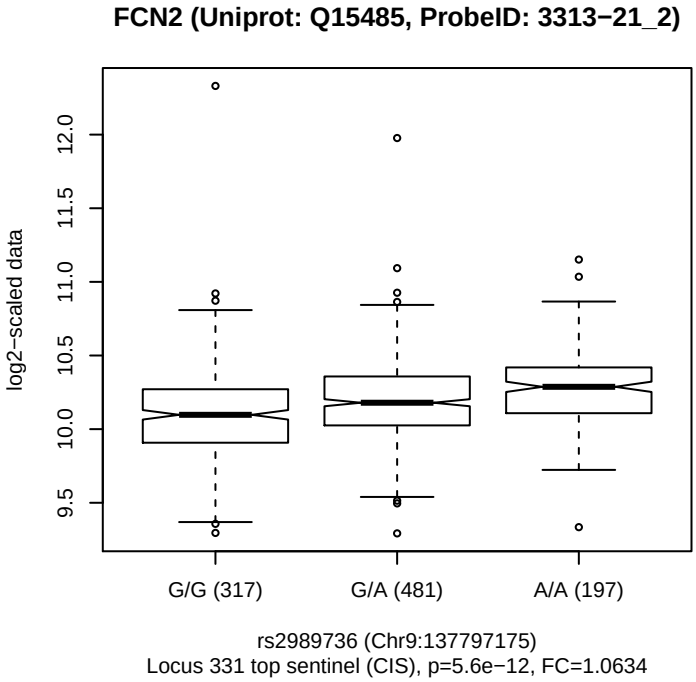

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence B

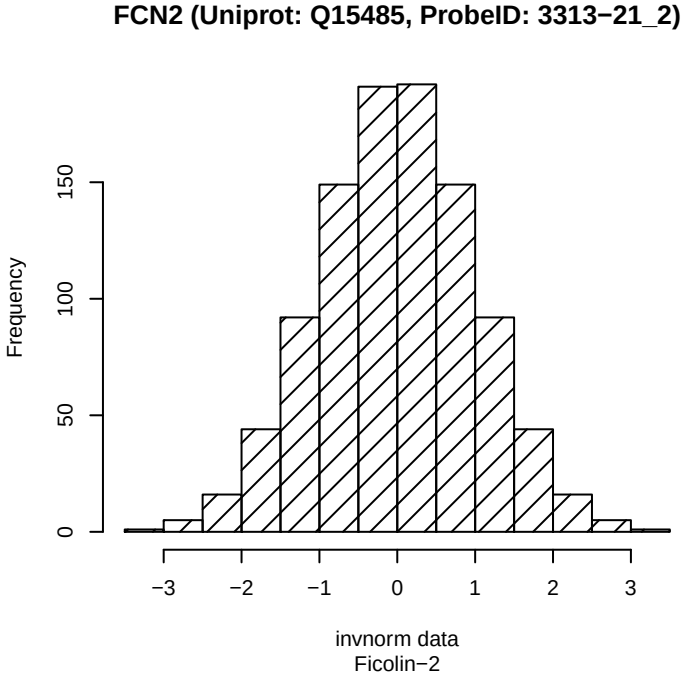

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
invnorm data
−3
−2
−1
0
1
2
3
C/C (836)
C/T (152)
T/T (5)
rs35555795 (Chr6:26509382)
Locus 330 top sentinel (CIS), p=1.3e−13

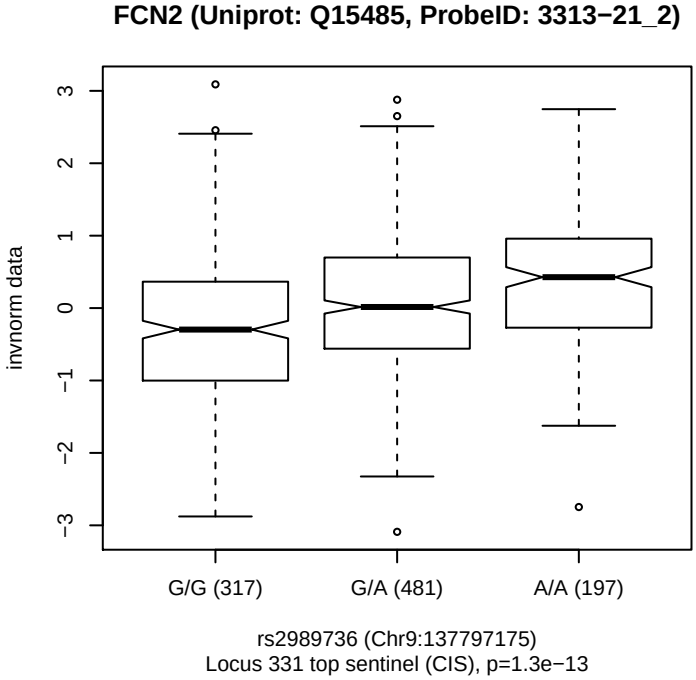

FCN2 (Uniprot: Q15485, ProbeID: 3313−21_2)
Frequency
0
100
200
300
400
500
600
700
1000
2000
3000
4000
5000
raw data
Ficolin−2

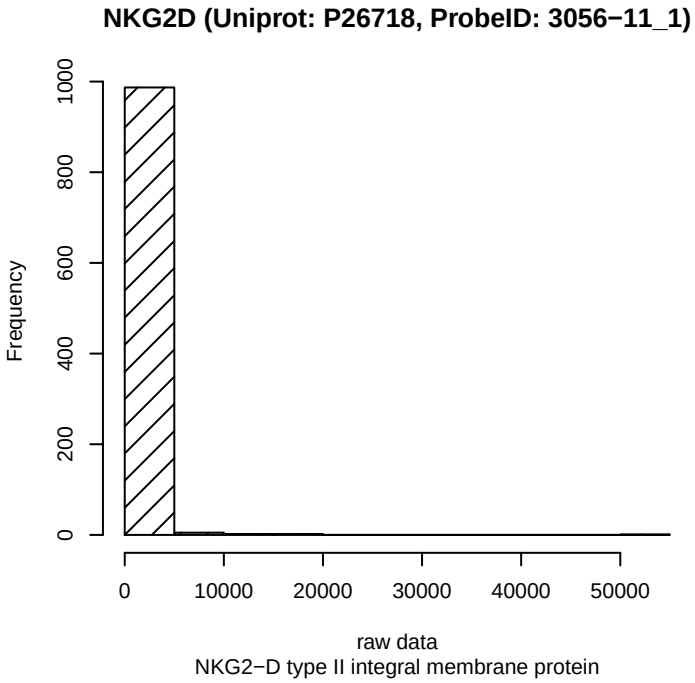

FCN2 (Uniprot: Q15485, ProbeID: 3313−21_2)
raw data
1000
2000
3000
4000
5000
G/G (317)
G/A (481)
A/A (197)
rs2989736 (Chr9:137797175)
Locus 331 top sentinel (CIS), p=5e−08

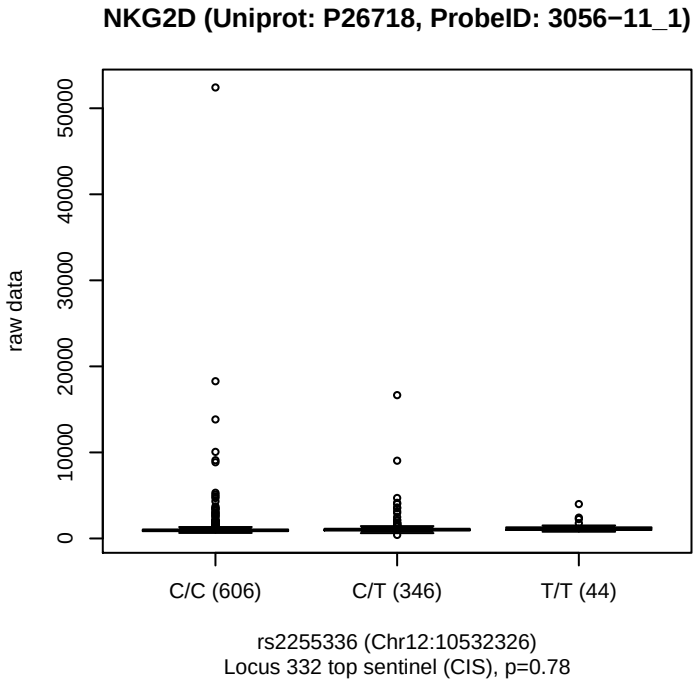

FCN2 (Uniprot: Q15485, ProbeID: 3313−21_2)
Frequency
0
50
100
150
200
250
9.5
10.0
10.5
11.0
11.5
12.0
12.5
log2−scaled data
Ficolin−2

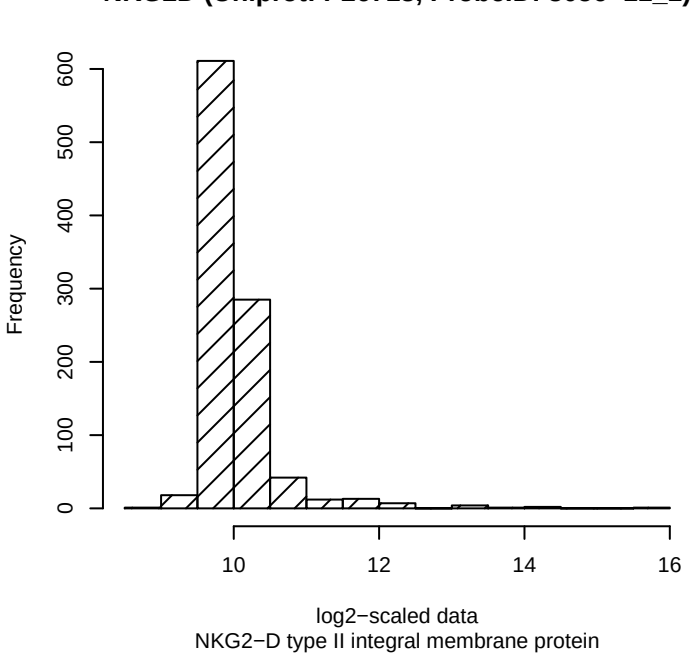

FCN2 (Uniprot: Q15485, ProbeID: 3313−21_2)
log2−scaled data
9.5
10.0
10.5
11.0
11.5
12.0
G/G (317)
G/A (481)
A/A (197)
rs2989736 (Chr9:137797175)
Locus 331 top sentinel (CIS), p=5.6e−12, FC=1.0634

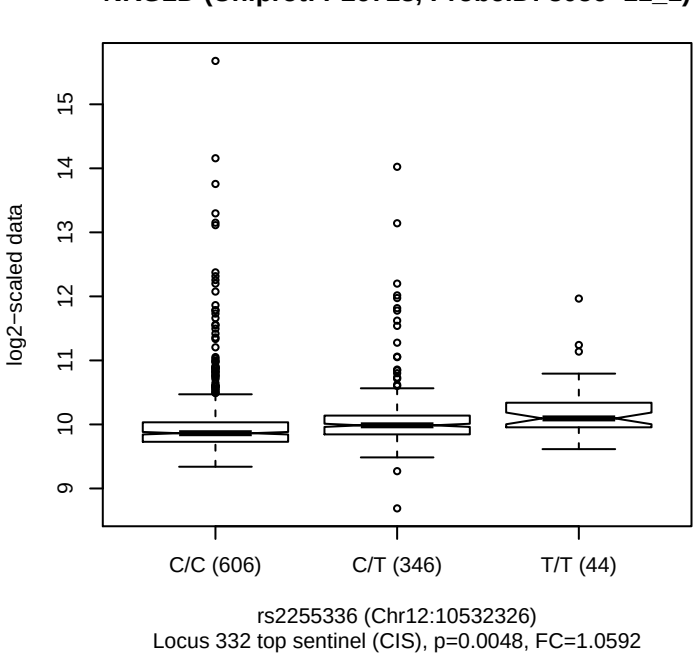

FCN2 (Uniprot: Q15485, ProbeID: 3313−21_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Ficolin−2

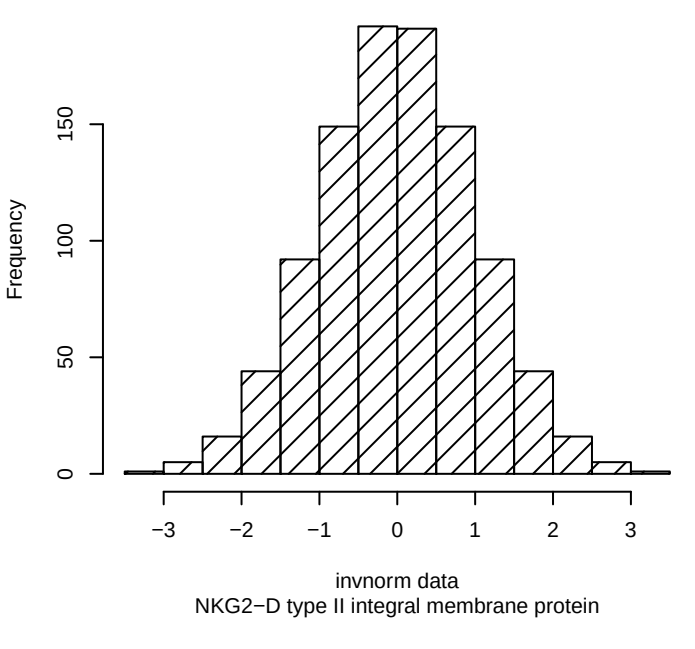

FCN2 (Uniprot: Q15485, ProbeID: 3313−21_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (317)
G/A (481)
A/A (197)
rs2989736 (Chr9:137797175)
Locus 331 top sentinel (CIS), p=1.3e−13

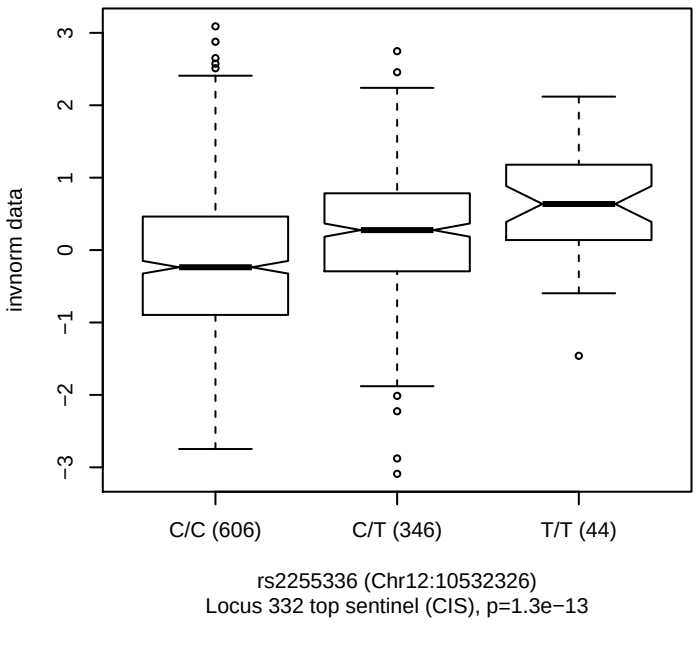

NKG2D (Uniprot: P26718, ProbeID: 3056−11_1)
Frequency
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
raw data
NKG2−D type II integral membrane protein

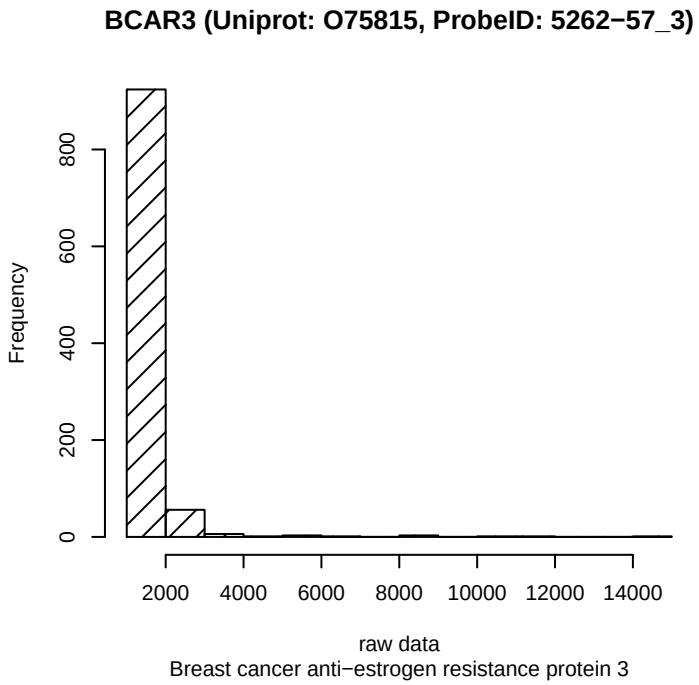

NKG2D (Uniprot: P26718, ProbeID: 3056−11_1)
raw data
0
10000
20000
30000
40000
50000
C/C (606)
C/T (346)
T/T (44)
rs2255336 (Chr12:10532326)
Locus 332 top sentinel (CIS), p=0.78

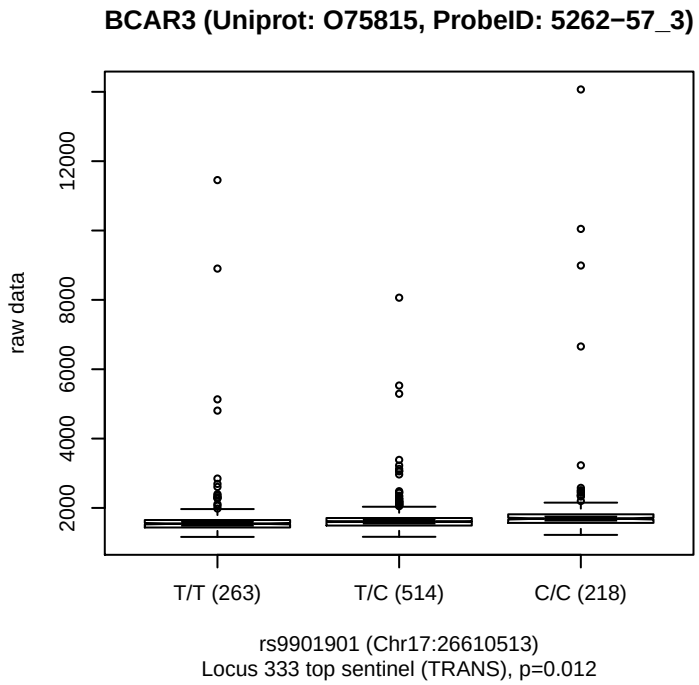

NKG2D (Uniprot: P26718, ProbeID: 3056−11_1)
Frequency
0
100
200
300
400
500
600
10
12
14
16
log2−scaled data
NKG2−D type II integral membrane protein

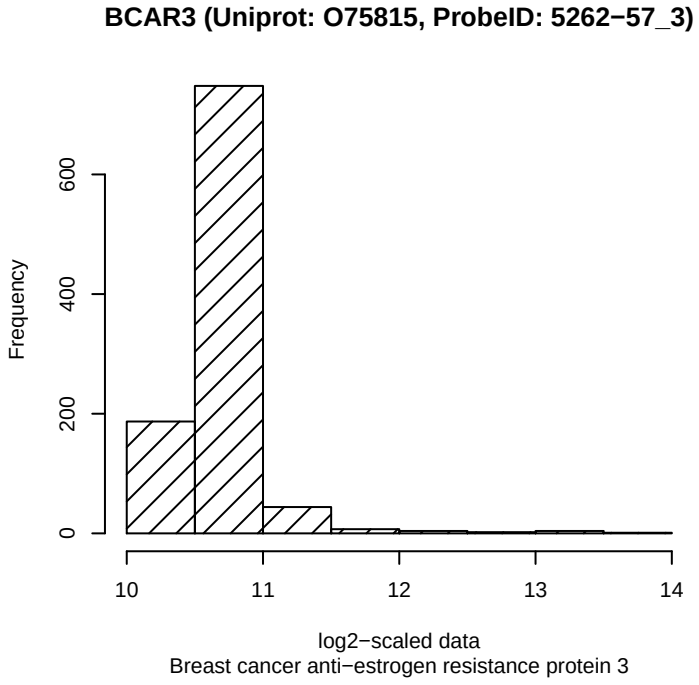

NKG2D (Uniprot: P26718, ProbeID: 3056−11_1)
log2−scaled data
9
10
11
12
13
14
15
C/C (606)
C/T (346)
T/T (44)
rs2255336 (Chr12:10532326)
Locus 332 top sentinel (CIS), p=0.0048, FC=1.0592

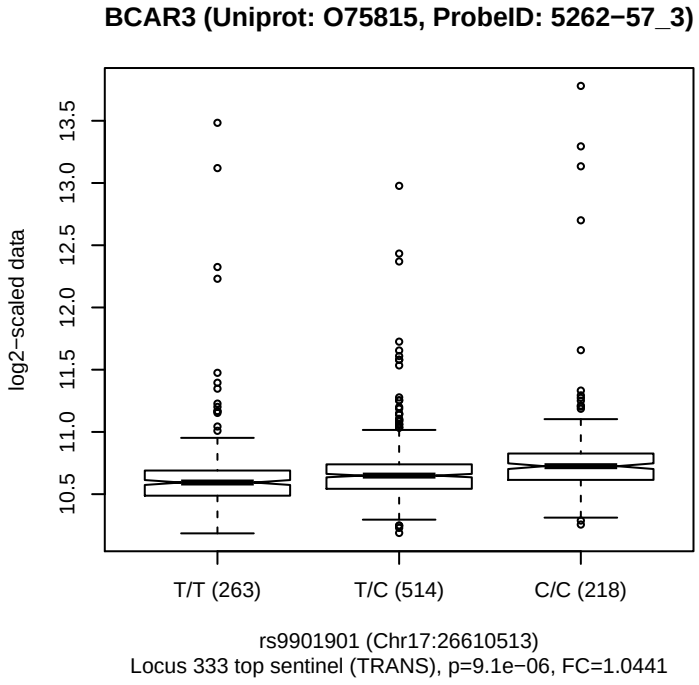

NKG2D (Uniprot: P26718, ProbeID: 3056−11_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
NKG2−D type II integral membrane protein

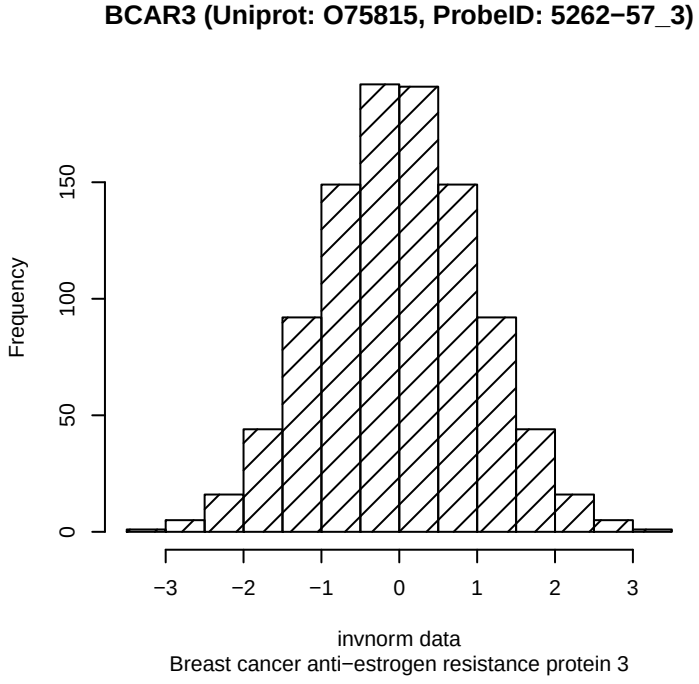

NKG2D (Uniprot: P26718, ProbeID: 3056−11_1)
invnorm data
−3
−2
−1
0
1
2
3
C/C (606)
C/T (346)
T/T (44)
rs2255336 (Chr12:10532326)
Locus 332 top sentinel (CIS), p=1.3e−13

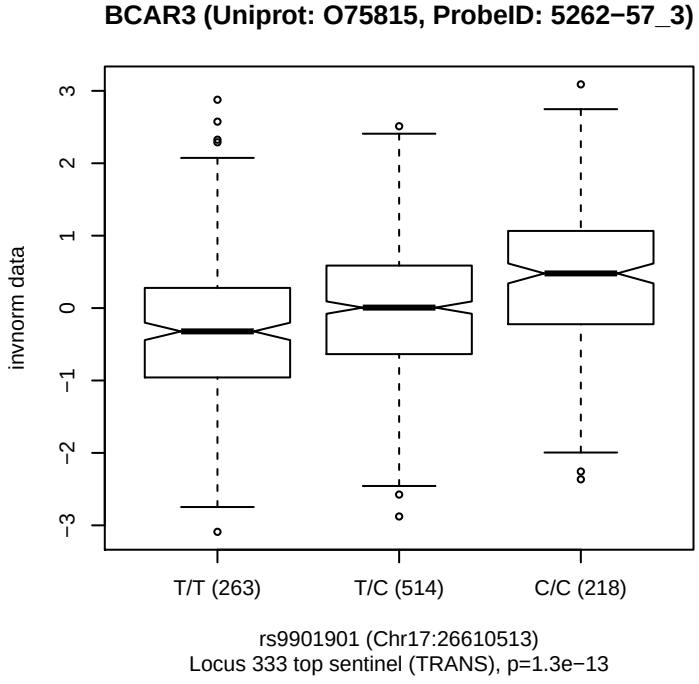

BCAR3 (Uniprot: O75815, ProbeID: 5262−57_3)
Frequency
0
200
400
600
800
2000
4000
6000
8000
10000
12000
14000
raw data
Breast cancer anti−estrogen resistance protein 3


BCAR3 (Uniprot: O75815, ProbeID: 5262−57_3)
raw data
2000
4000
6000
8000
12000
T/T (263)
T/C (514)
C/C (218)
rs9901901 (Chr17:26610513)
Locus 333 top sentinel (TRANS), p=0.012

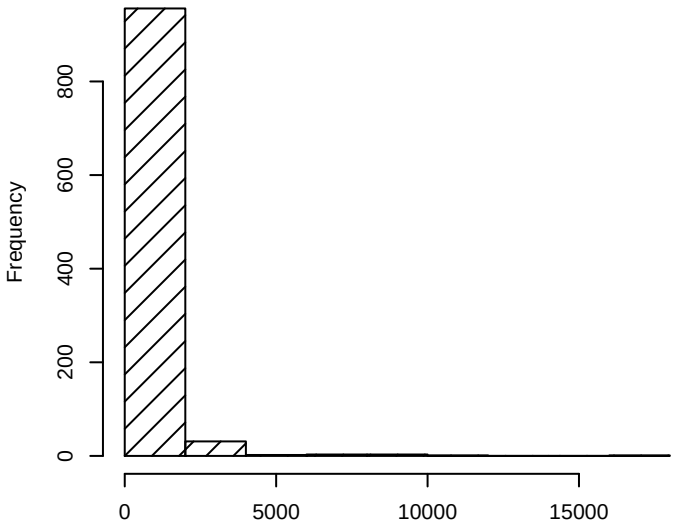

BCAR3 (Uniprot: O75815, ProbeID: 5262−57_3)
Frequency
0
200
400
600
10
11
12
13
14
log2−scaled data
Breast cancer anti−estrogen resistance protein 3


BCAR3 (Uniprot: O75815, ProbeID: 5262−57_3)
log2−scaled data
10.5
11.0
11.5
12.0
12.5
13.0
13.5
T/T (263)
T/C (514)
C/C (218)
rs9901901 (Chr17:26610513)
Locus 333 top sentinel (TRANS), p=9.1e−06, FC=1.0441

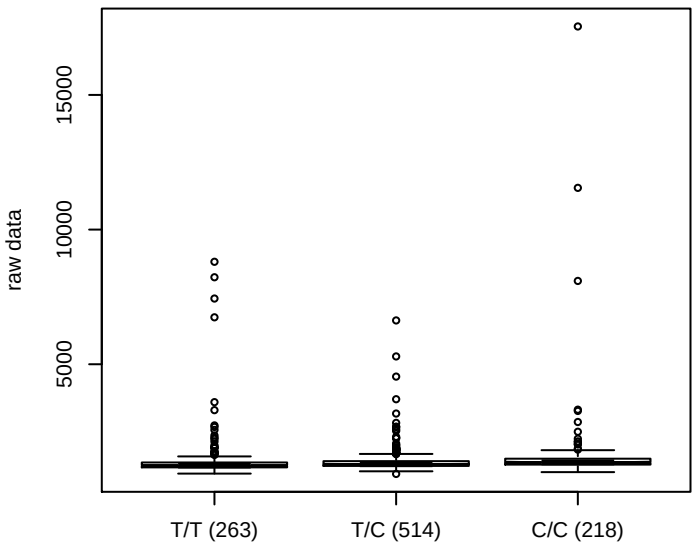

BCAR3 (Uniprot: O75815, ProbeID: 5262−57_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Breast cancer anti−estrogen resistance protein 3


BCAR3 (Uniprot: O75815, ProbeID: 5262−57_3)
invnorm data
−3
−2
−1
0
1
2
3
T/T (263)
T/C (514)
C/C (218)
rs9901901 (Chr17:26610513)
Locus 333 top sentinel (TRANS), p=1.3e−13

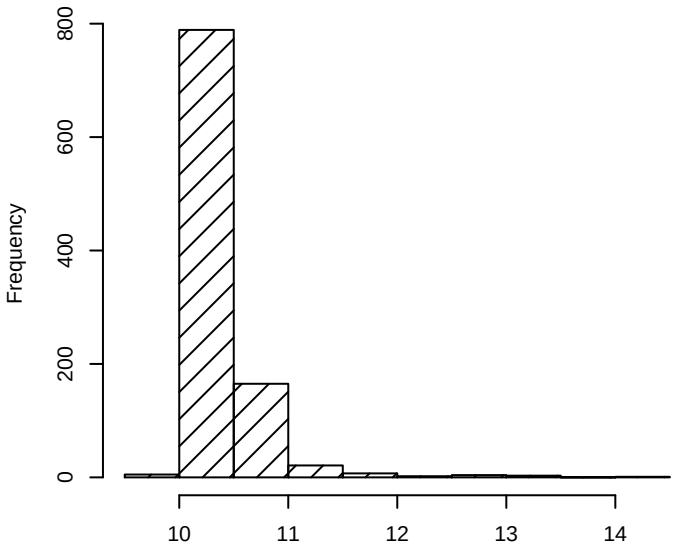
**OCAD1 (Uniprot: Q9NX40, ProbeID: 3635−76_4)**



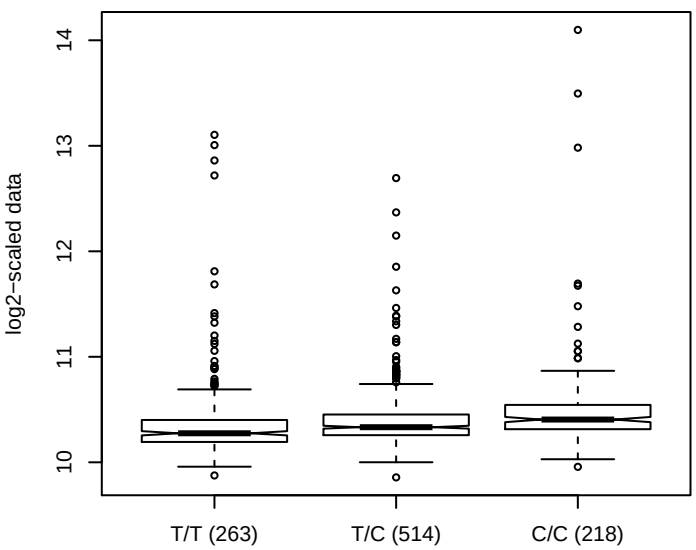

**OCAD1 (Uniprot: Q9NX40, ProbeID: 3635−76_4)**



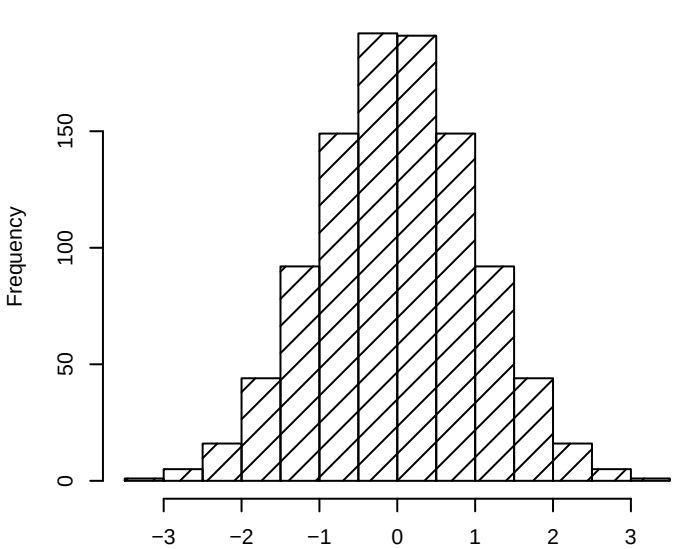

**OCAD1 (Uniprot: Q9NX40, ProbeID: 3635−76_4)**



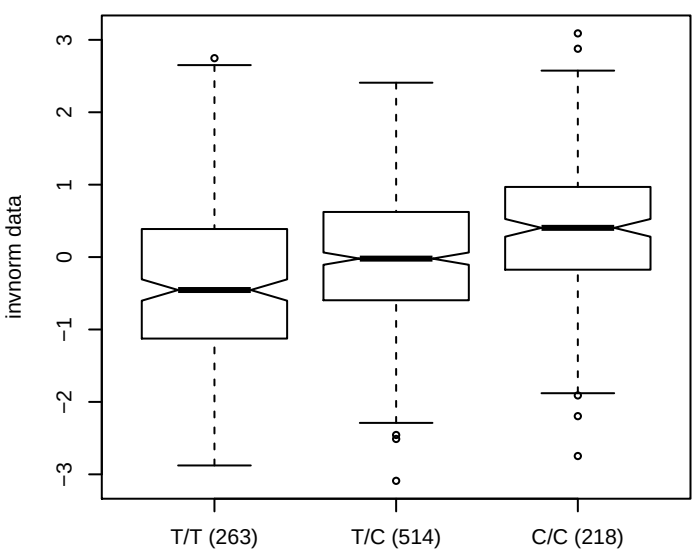

**OCAD1 (Uniprot: Q9NX40, ProbeID: 3635−76_4)**



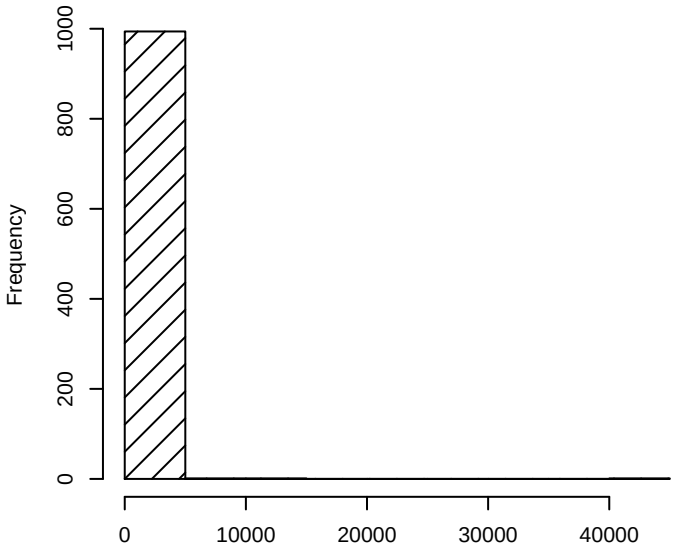

**OCAD1 (Uniprot: Q9NX40, ProbeID: 3635−76_4)**



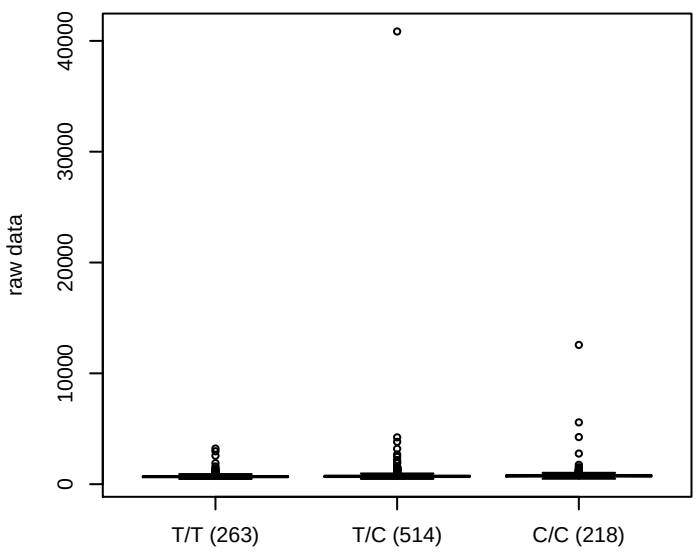

**OCAD1 (Uniprot: Q9NX40, ProbeID: 3635−76_4)**



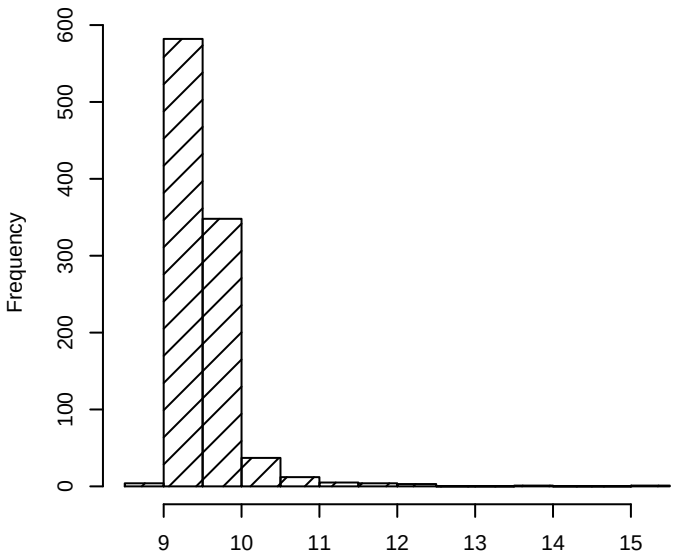
**rophage scavenger receptor (Uniprot: P21757, ProbeID: 368**



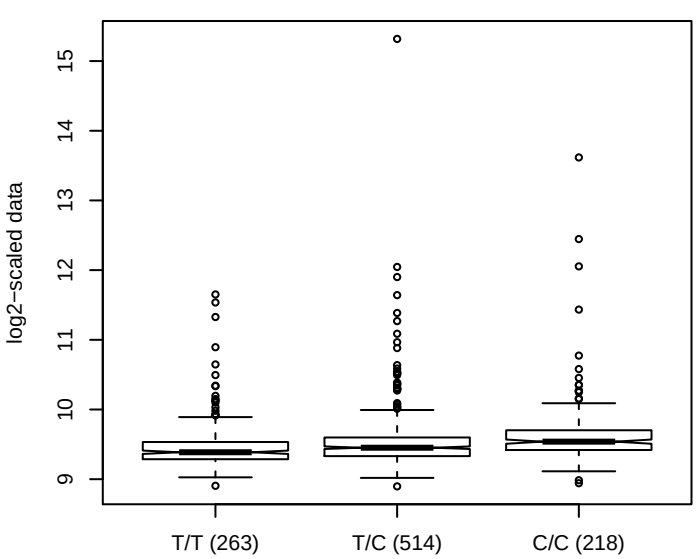

**rophage scavenger receptor (Uniprot: P21757, ProbeID: 368**



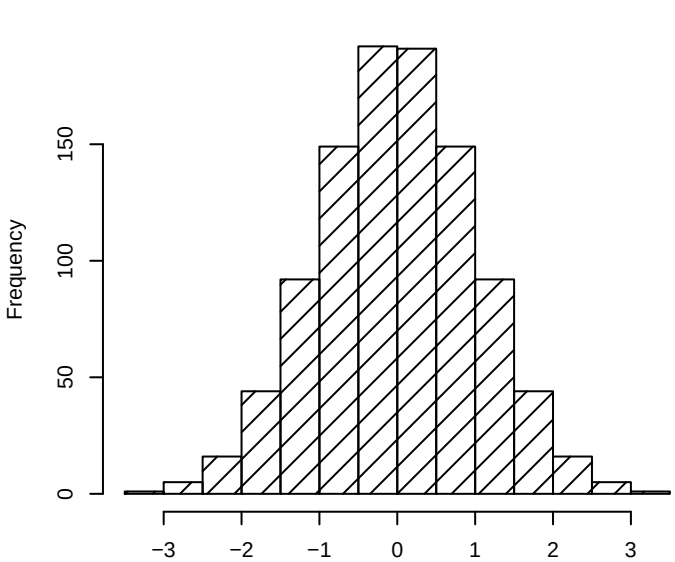

**rophage scavenger receptor (Uniprot: P21757, ProbeID: 368**



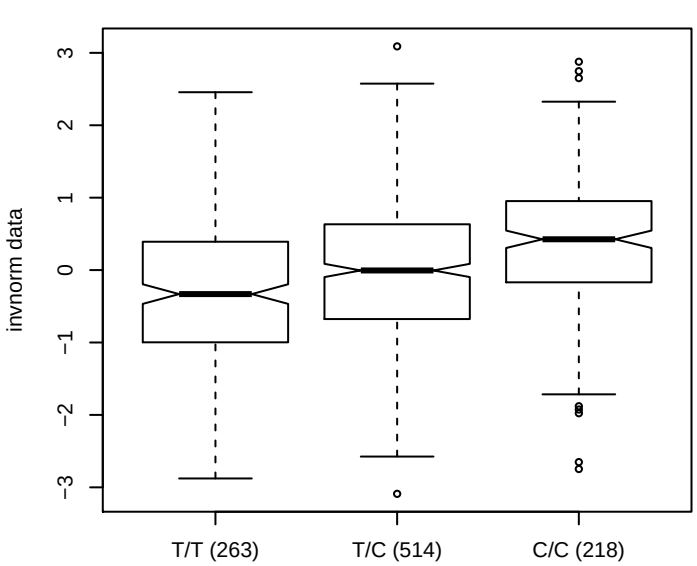

**rophage scavenger receptor (Uniprot: P21757, ProbeID: 368**

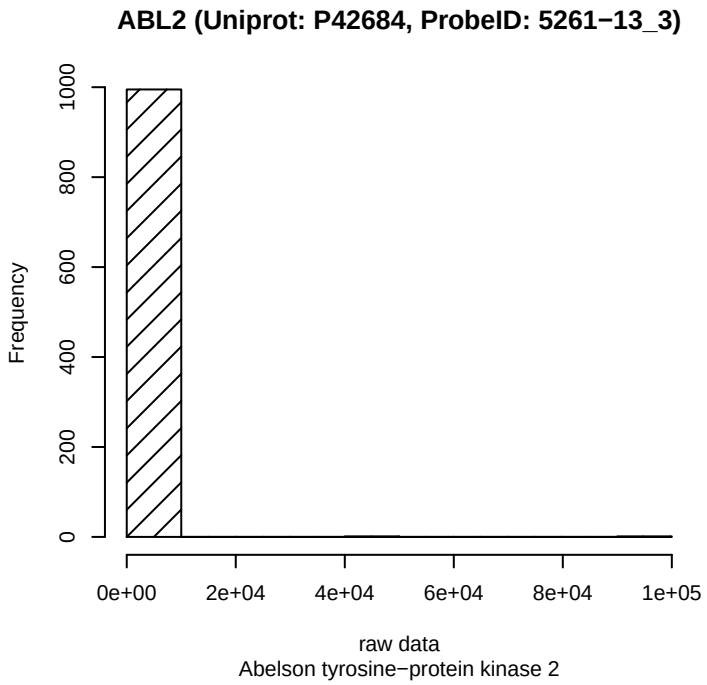


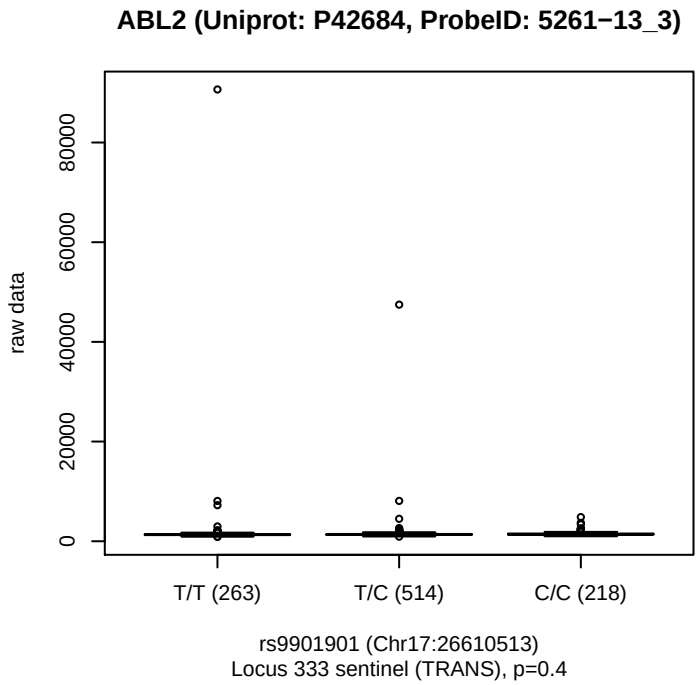

**rophage scavenger receptor (Uniprot: P21757, ProbeID: 368**

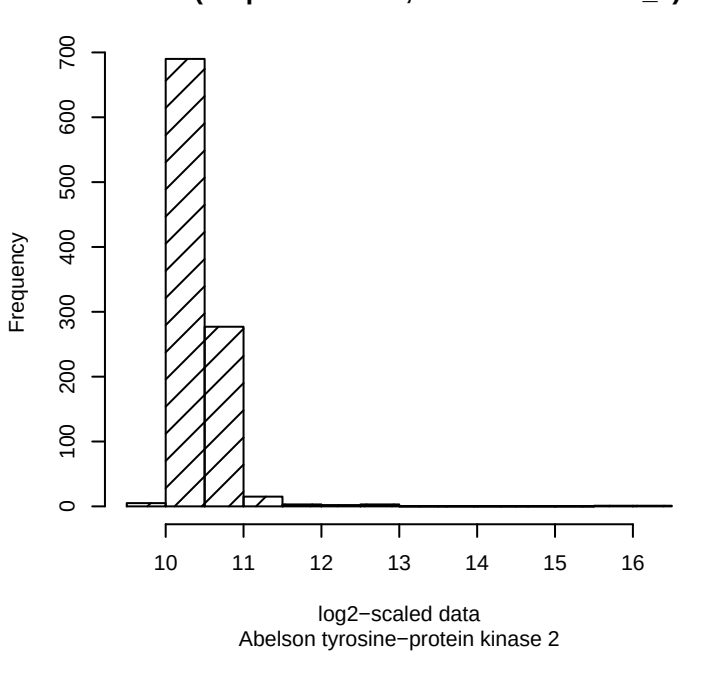


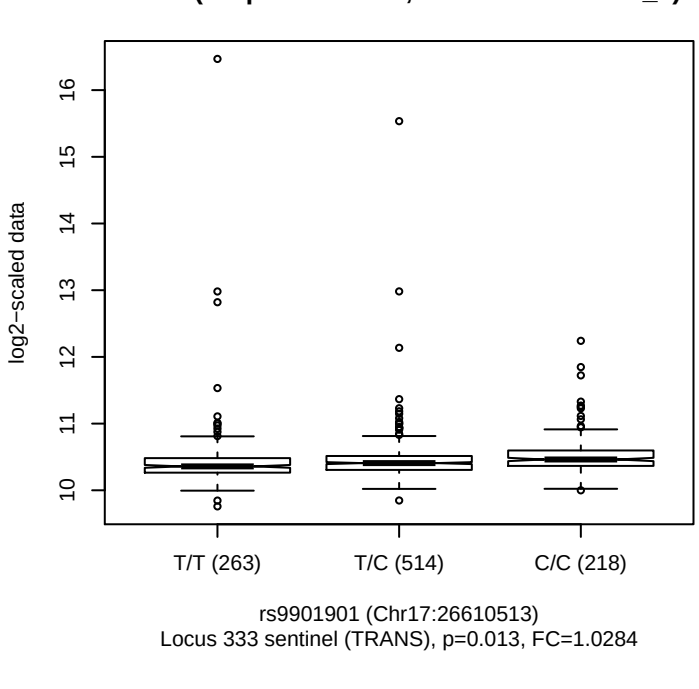

**rophage scavenger receptor (Uniprot: P21757, ProbeID: 368**

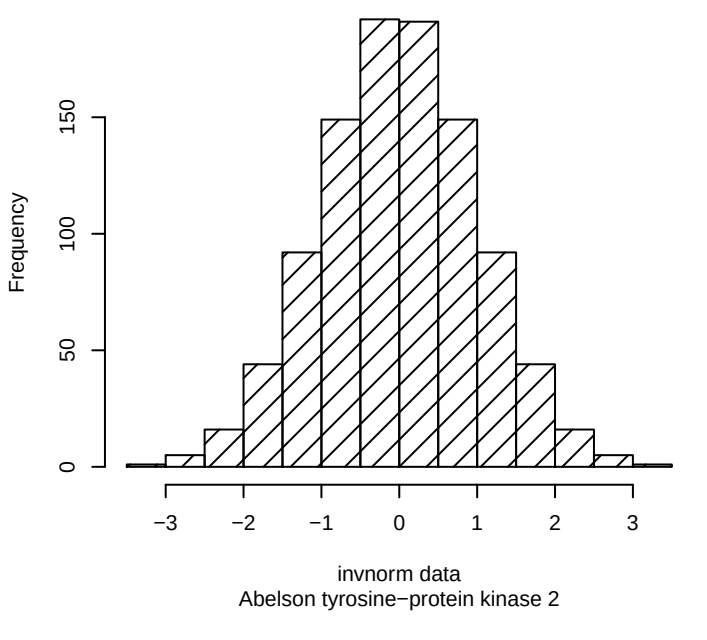


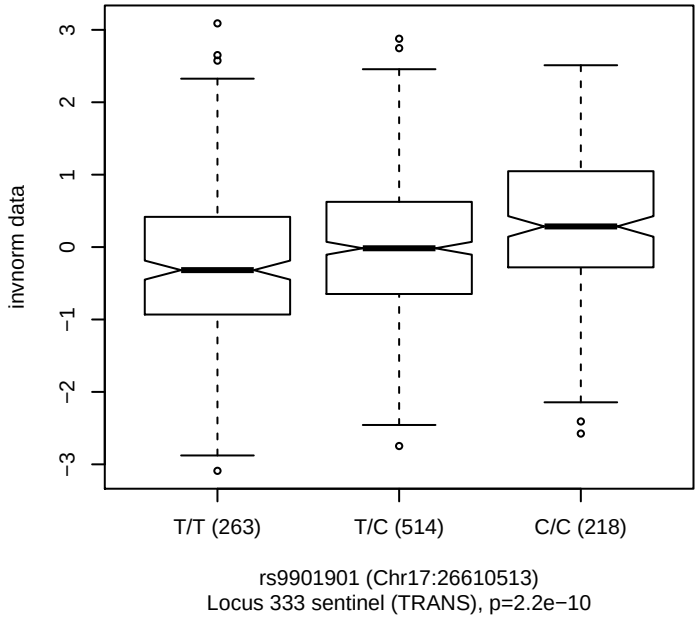

ABL2 (Uniprot: P42684, ProbeID: 5261−13_3)
Frequency
0
200
400
600
800
1000
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
raw data
Abelson tyrosine−protein kinase 2

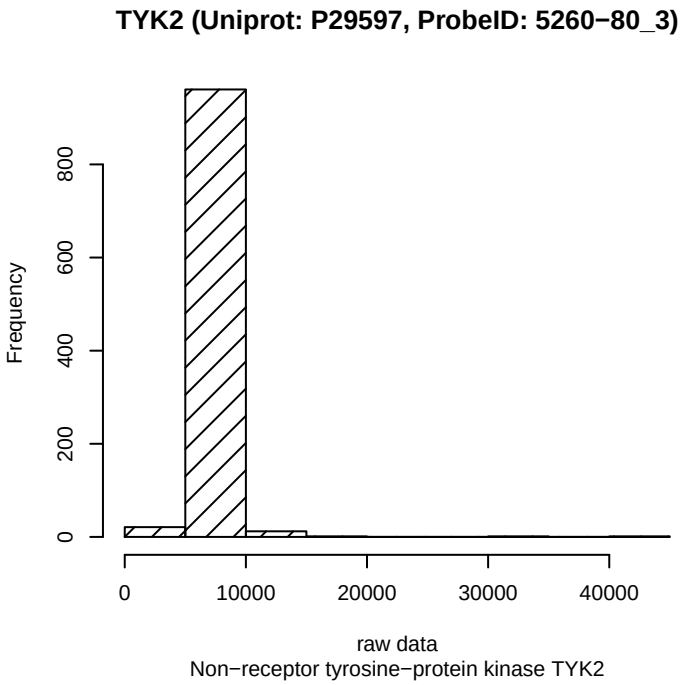

ABL2 (Uniprot: P42684, ProbeID: 5261−13_3)
raw data
0
20000
40000
60000
80000
T/T (263)
T/C (514)
C/C (218)
rs9901901 (Chr17:26610513)
Locus 333 sentinel (TRANS), p=0.4

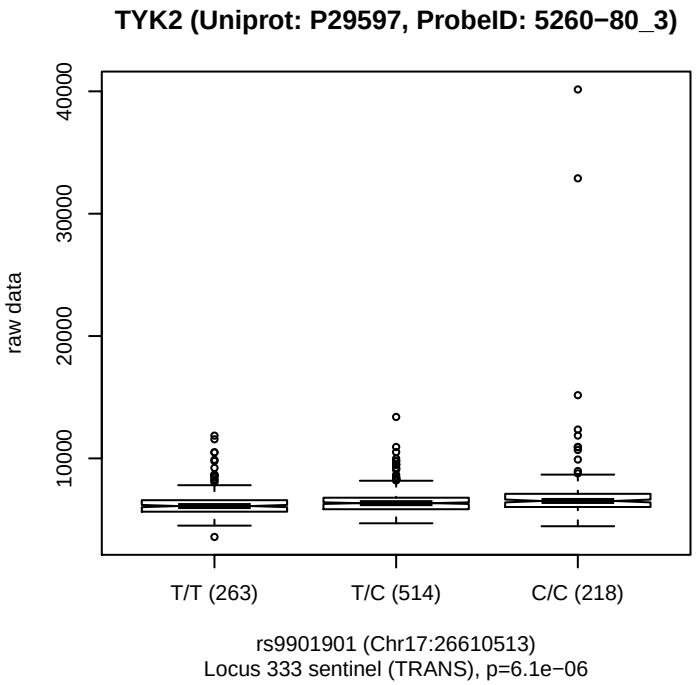

ABL2 (Uniprot: P42684, ProbeID: 5261−13_3)
Frequency
0
100
200
300
400
500
600
700
10
11
12
13
14
15
16
log2−scaled data
Abelson tyrosine−protein kinase 2

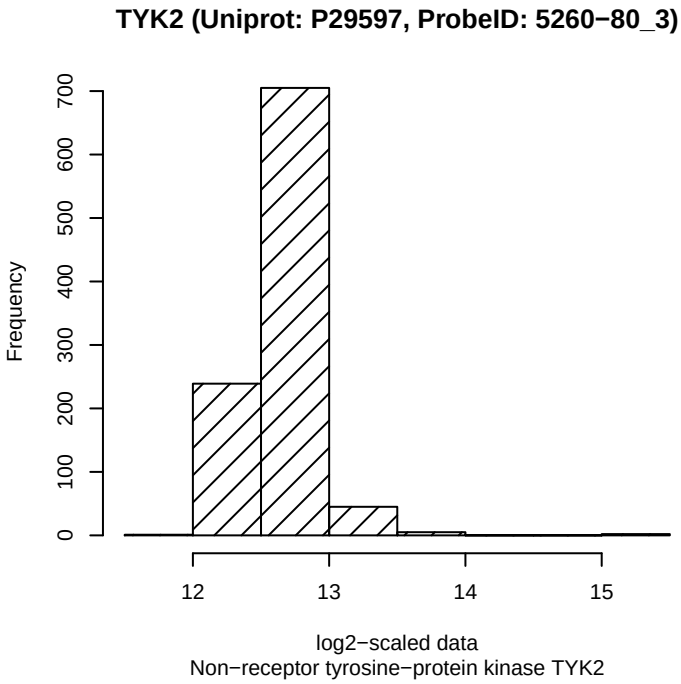

ABL2 (Uniprot: P42684, ProbeID: 5261−13_3)
log2−scaled data
10
11
12
13
14
15
16
T/T (263)
T/C (514)
C/C (218)
rs9901901 (Chr17:26610513)
Locus 333 sentinel (TRANS), p=0.013, FC=1.0284

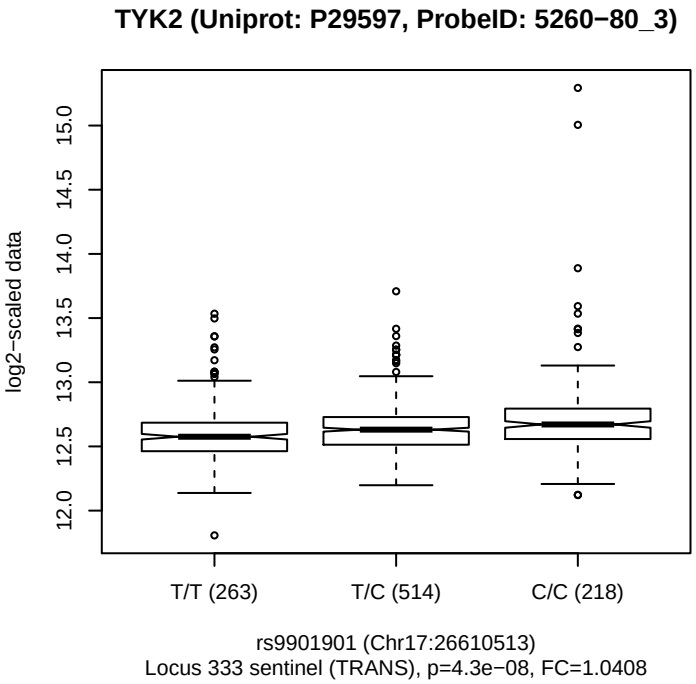

ABL2 (Uniprot: P42684, ProbeID: 5261−13_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Abelson tyrosine−protein kinase 2

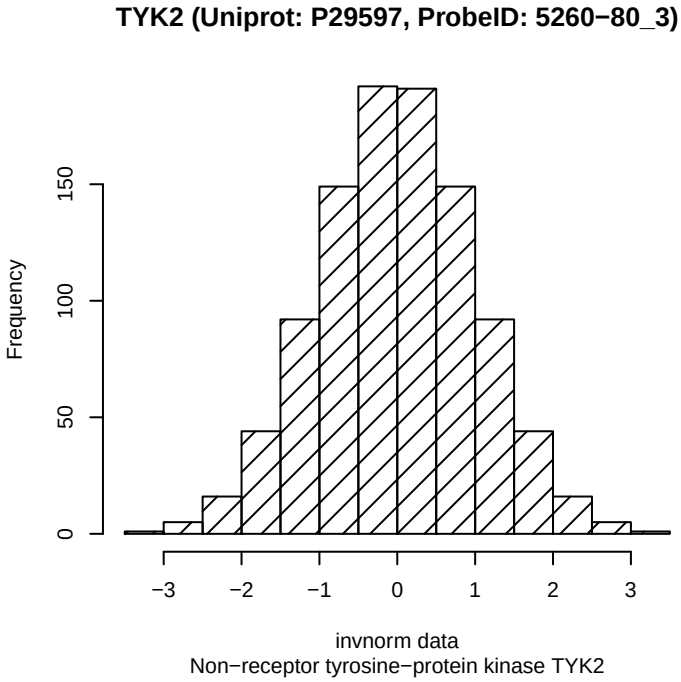

ABL2 (Uniprot: P42684, ProbeID: 5261−13_3)
invnorm data
−3
−2
−1
0
1
2
3
T/T (263)
T/C (514)
C/C (218)
rs9901901 (Chr17:26610513)
Locus 333 sentinel (TRANS), p=2.2e−10

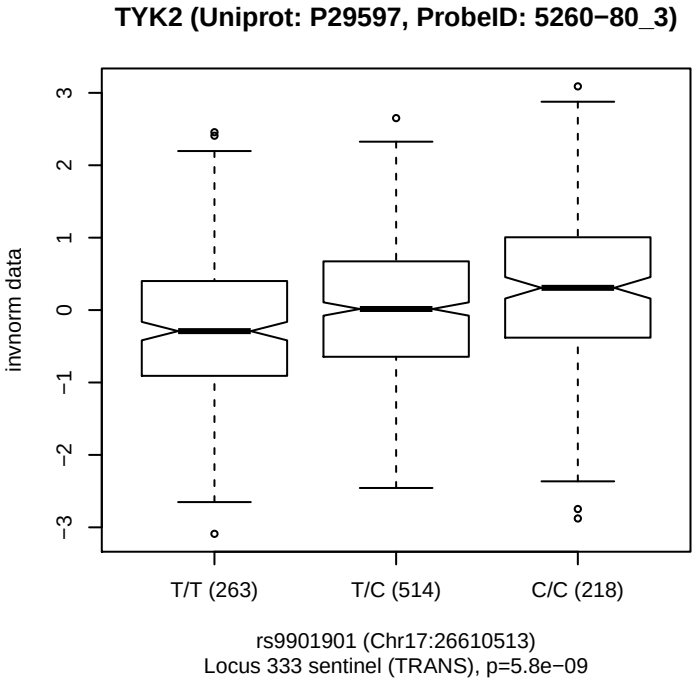

TYK2 (Uniprot: P29597, ProbeID: 5260−80_3)
Frequency
0
200
400
600
800
0
10000
20000
30000
40000
raw data
Non−receptor tyrosine−protein kinase TYK2

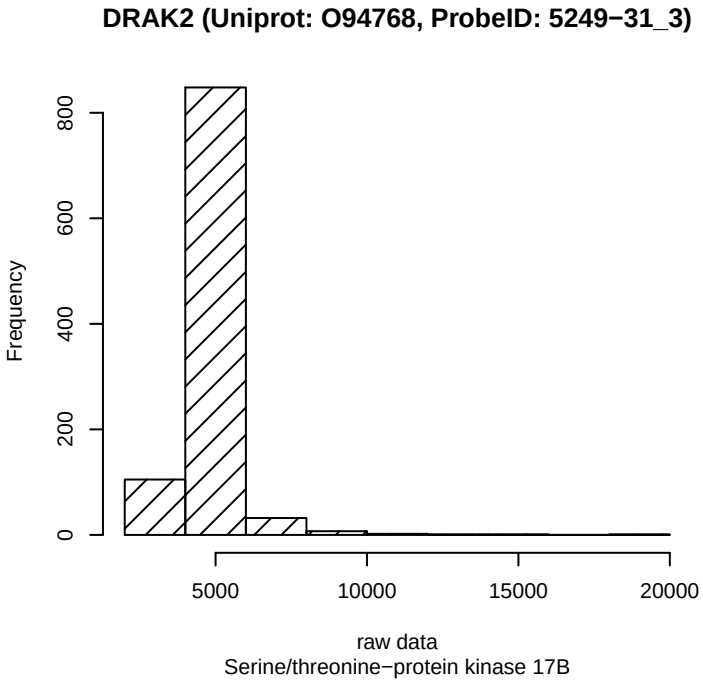

TYK2 (Uniprot: P29597, ProbeID: 5260−80_3)
raw data
10000
20000
30000
40000
T/T (263)
T/C (514)
C/C (218)
rs9901901 (Chr17:26610513)
Locus 333 sentinel (TRANS), p=6.1e−06

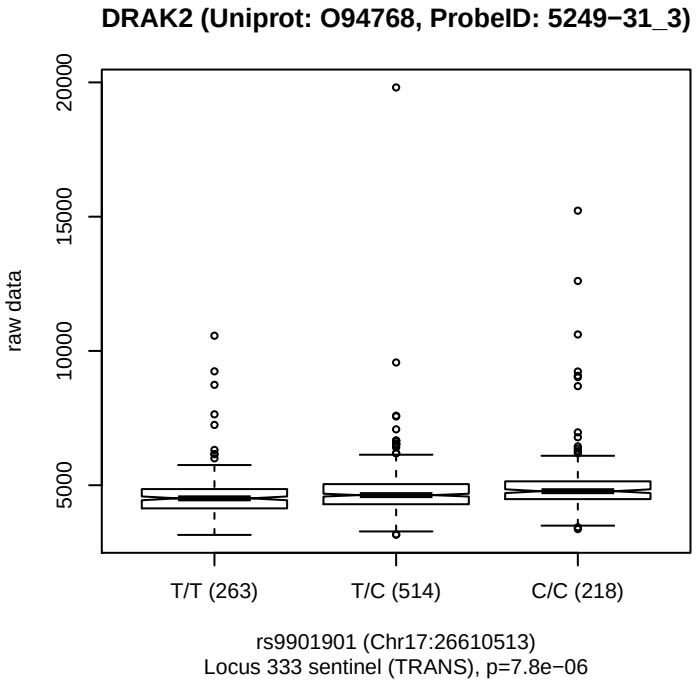

TYK2 (Uniprot: P29597, ProbeID: 5260−80_3)
Frequency
0
100
200
300
400
500
600
700
12
13
14
15
log2−scaled data
Non−receptor tyrosine−protein kinase TYK2

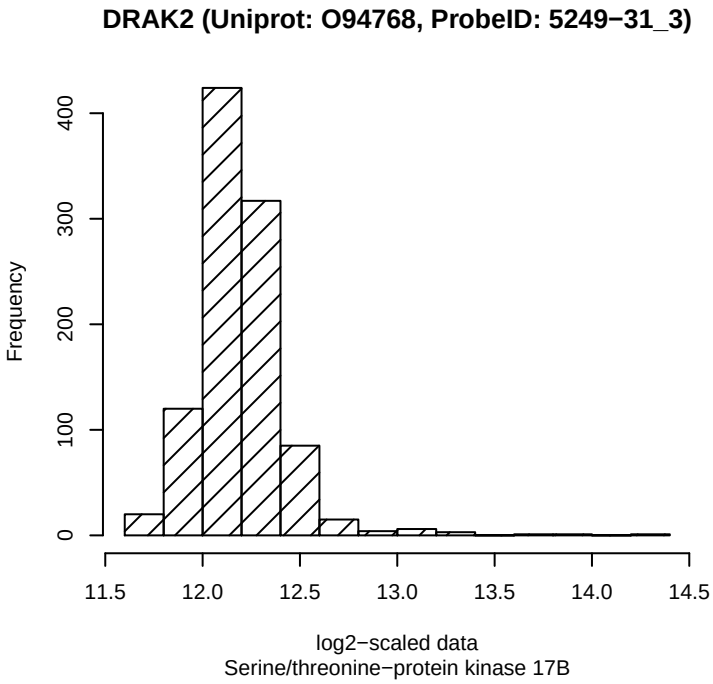

TYK2 (Uniprot: P29597, ProbeID: 5260−80_3)
log2−scaled data
12.0
12.5
13.0
13.5
14.0
14.5
15.0
T/T (263)
T/C (514)
C/C (218)
rs9901901 (Chr17:26610513)
Locus 333 sentinel (TRANS), p=4.3e−08, FC=1.0408

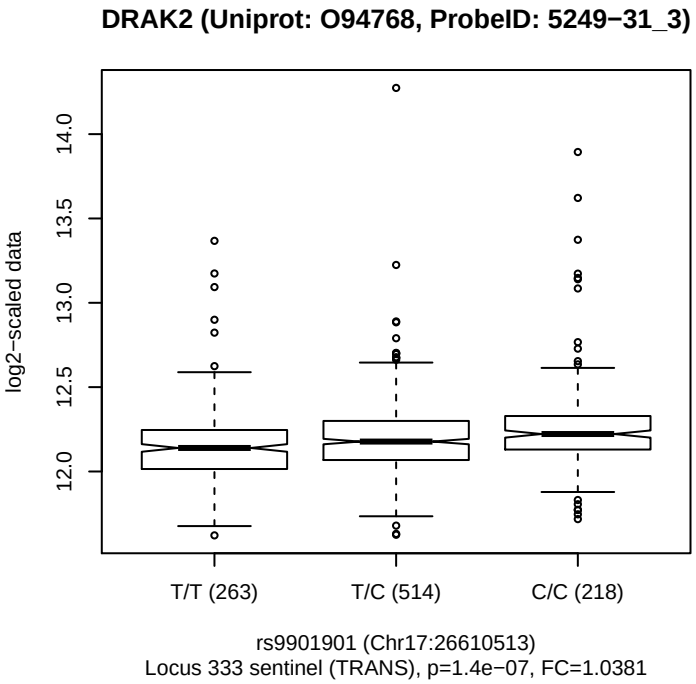

TYK2 (Uniprot: P29597, ProbeID: 5260−80_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Non−receptor tyrosine−protein kinase TYK2

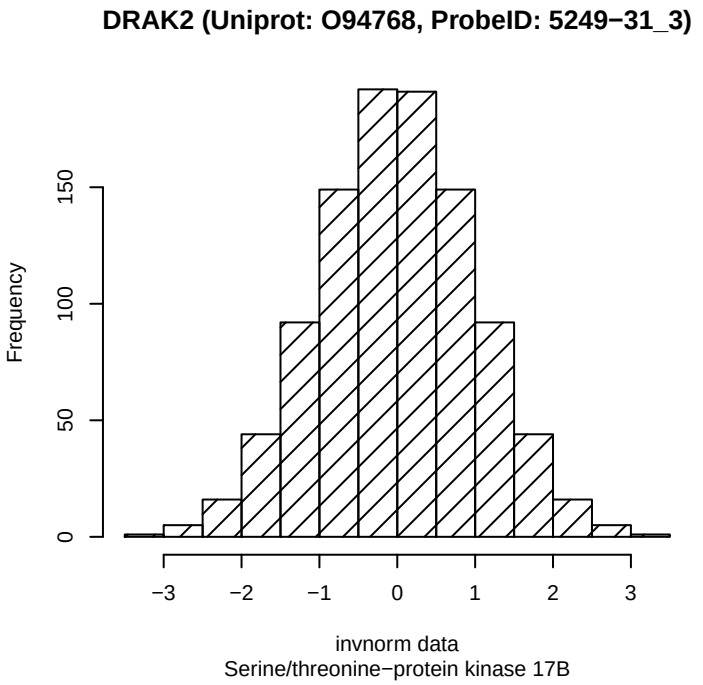

TYK2 (Uniprot: P29597, ProbeID: 5260−80_3)
invnorm data
−3
−2
−1
0
1
2
3
T/T (263)
T/C (514)
C/C (218)
rs9901901 (Chr17:26610513)
Locus 333 sentinel (TRANS), p=5.8e−09

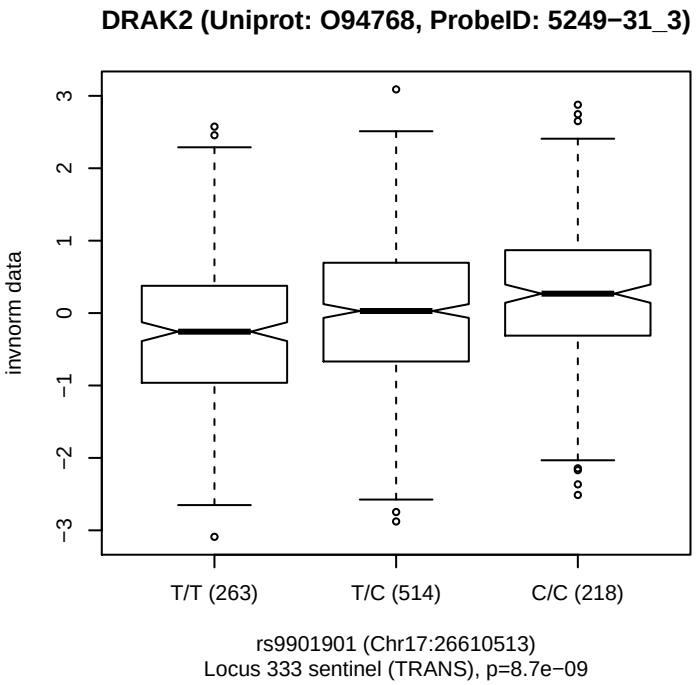

DRAK2 (Uniprot: O94768, ProbeID: 5249−31_3)
Frequency
0
200
400
600
800
5000
10000
15000
20000
raw data
Serine/threonine−protein kinase 17B

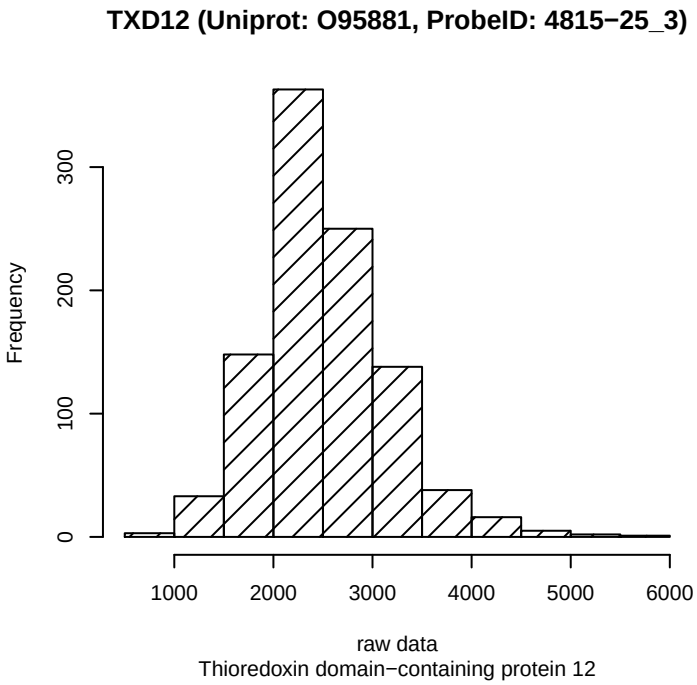

DRAK2 (Uniprot: O94768, ProbeID: 5249−31_3)
raw data
5000
10000
15000
20000
T/T (263)
T/C (514)
C/C (218)
rs9901901 (Chr17:26610513)
Locus 333 sentinel (TRANS), p=7.8e−06

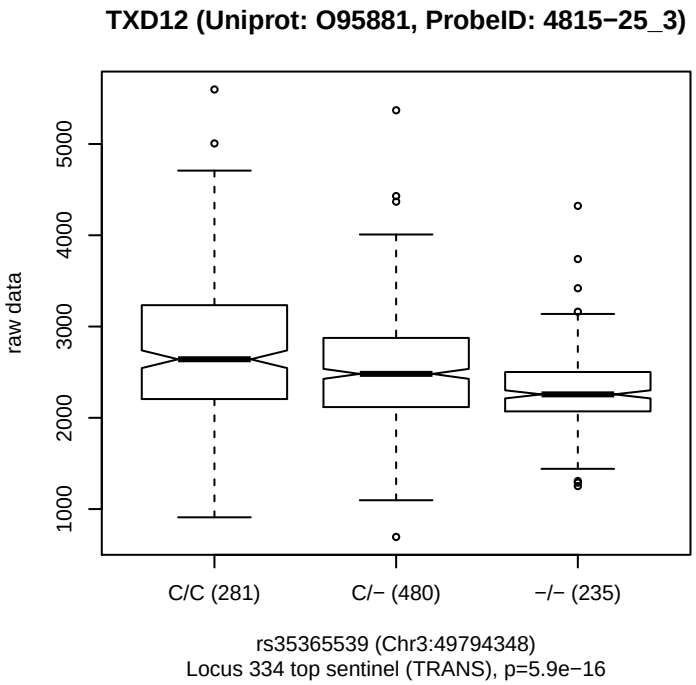

DRAK2 (Uniprot: O94768, ProbeID: 5249−31_3)
Frequency
0
100
200
300
400
11.5
12.0
12.5
13.0
13.5
14.0
14.5
log2−scaled data
Serine/threonine−protein kinase 17B

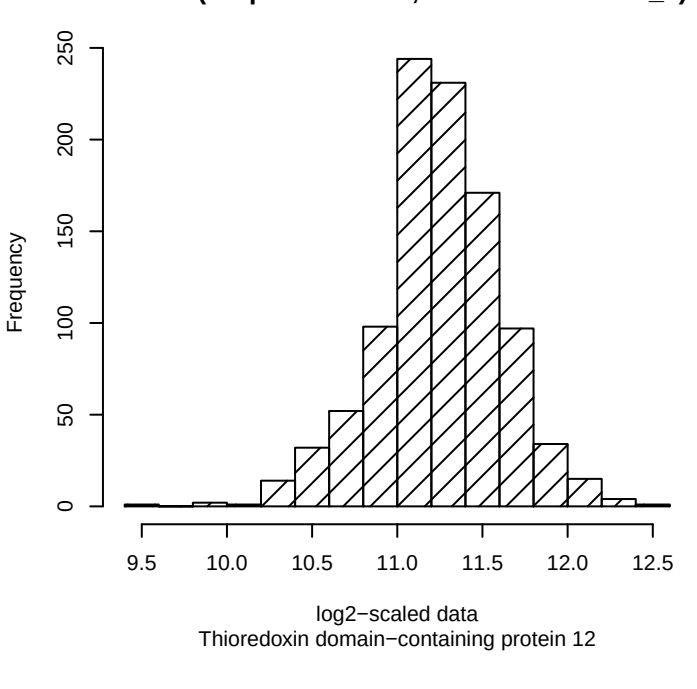

DRAK2 (Uniprot: O94768, ProbeID: 5249−31_3)
log2−scaled data
12.0
12.5
13.0
13.5
14.0
T/T (263)
T/C (514)
C/C (218)
rs9901901 (Chr17:26610513)
Locus 333 sentinel (TRANS), p=1.4e−07, FC=1.0381

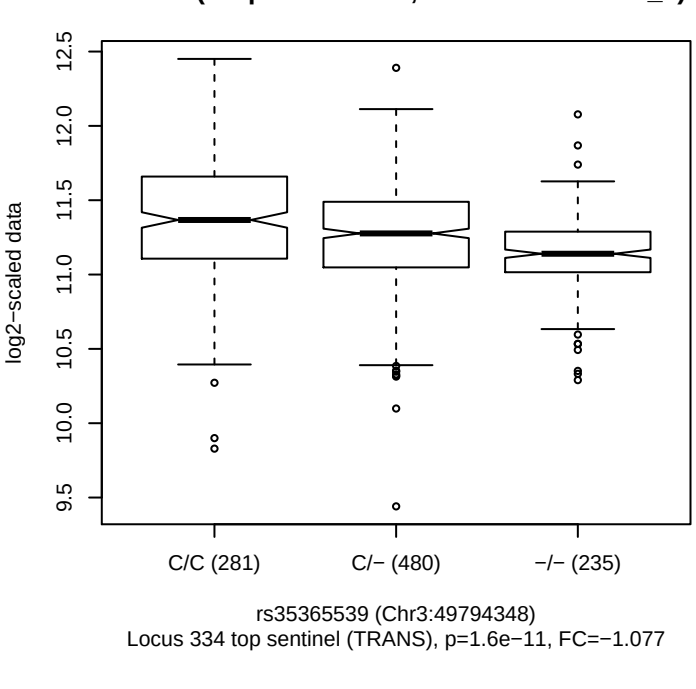

DRAK2 (Uniprot: O94768, ProbeID: 5249−31_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Serine/threonine−protein kinase 17B

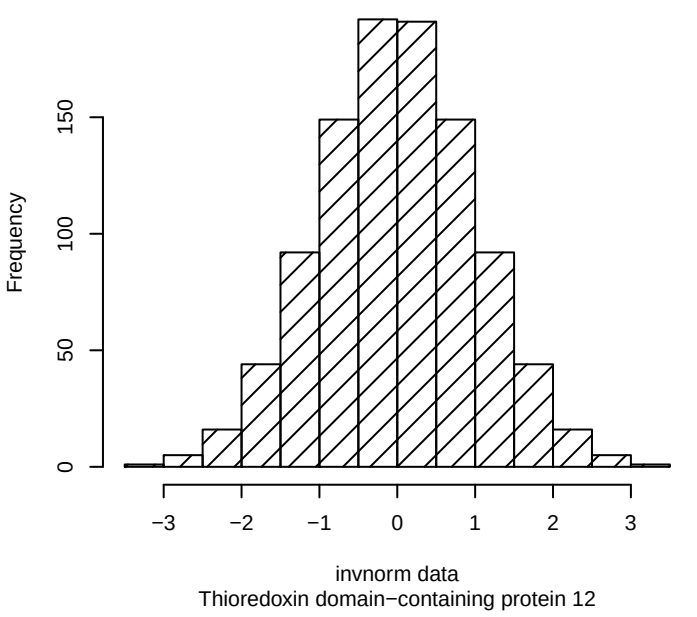

DRAK2 (Uniprot: O94768, ProbeID: 5249−31_3)
invnorm data
−3
−2
−1
0
1
2
3
T/T (263)
T/C (514)
C/C (218)
rs9901901 (Chr17:26610513)
Locus 333 sentinel (TRANS), p=8.7e−09

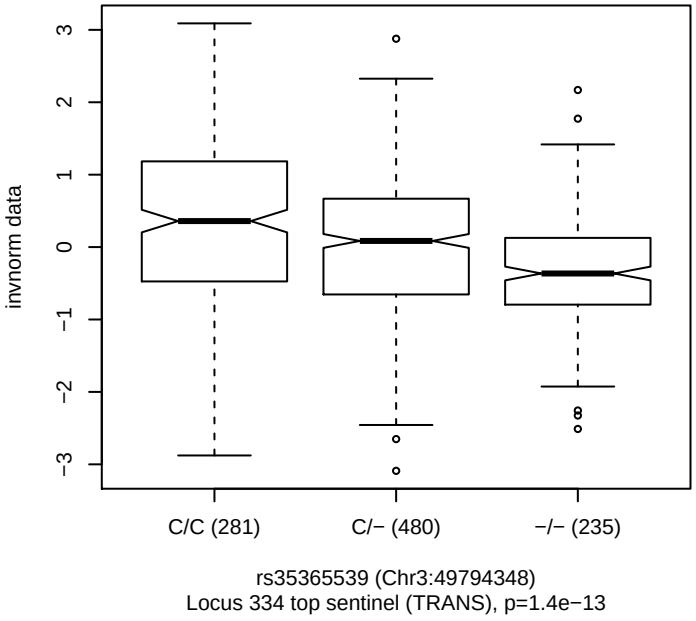

TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
Frequency
0
100
200
300
1000
2000
3000
4000
5000
6000
raw data
Thioredoxin domain−containing protein 12

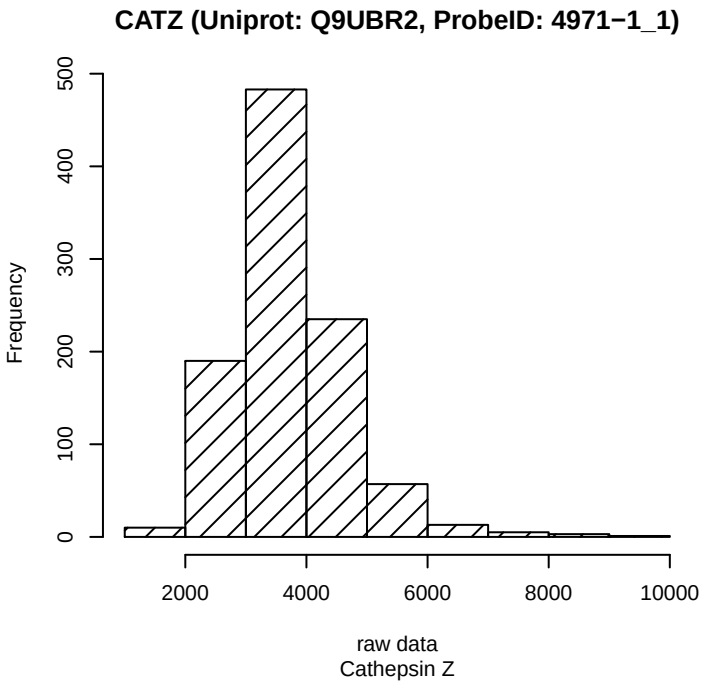

TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
raw data
1000
2000
3000
4000
5000
C/C (281)
C/− (480)
−/− (235)
rs35365539 (Chr3:49794348)
Locus 334 top sentinel (TRANS), p=5.9e−16

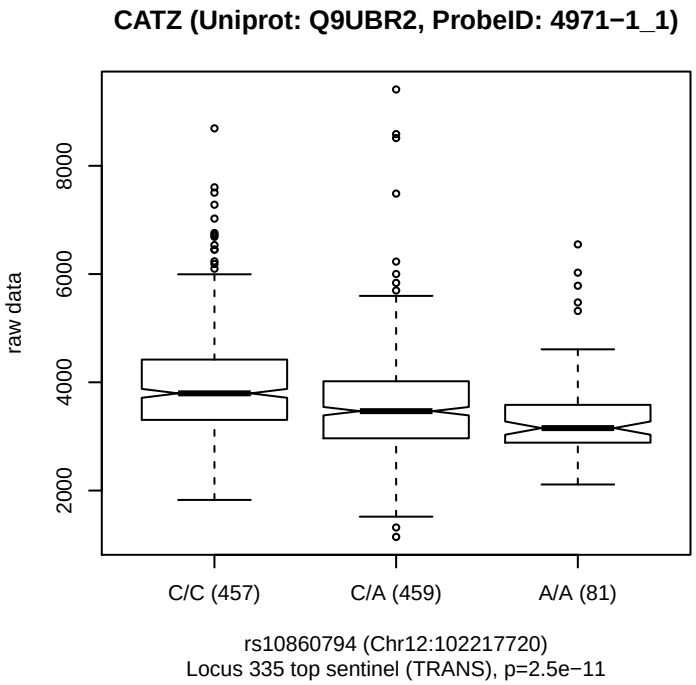

TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
Frequency
0
50
100
150
200
250
9.5
10.0
10.5
11.0
11.5
12.0
12.5
log2−scaled data
Thioredoxin domain−containing protein 12

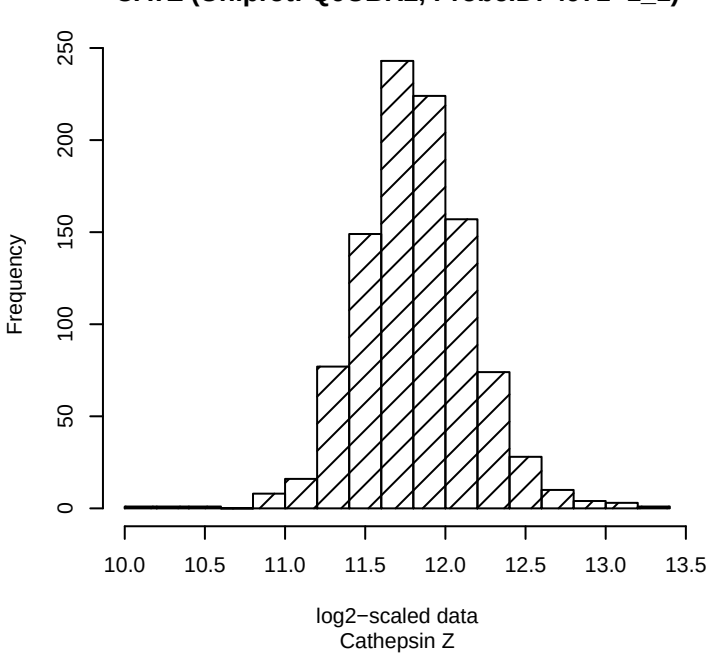

TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
log2−scaled data
9.5
10.0
10.5
11.0
11.5
12.0
12.5
C/C (281)
C/− (480)
−/− (235)
rs35365539 (Chr3:49794348)
Locus 334 top sentinel (TRANS), p=1.6e−11, FC=−1.077

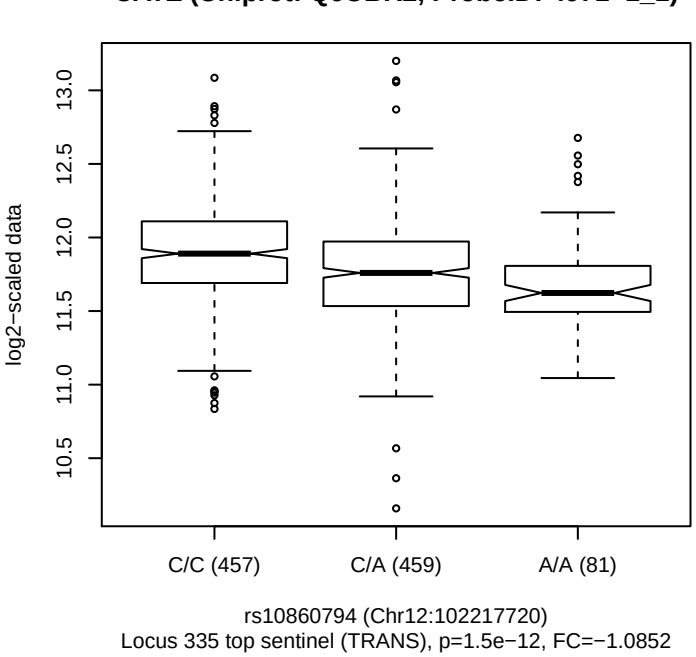

TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Thioredoxin domain−containing protein 12

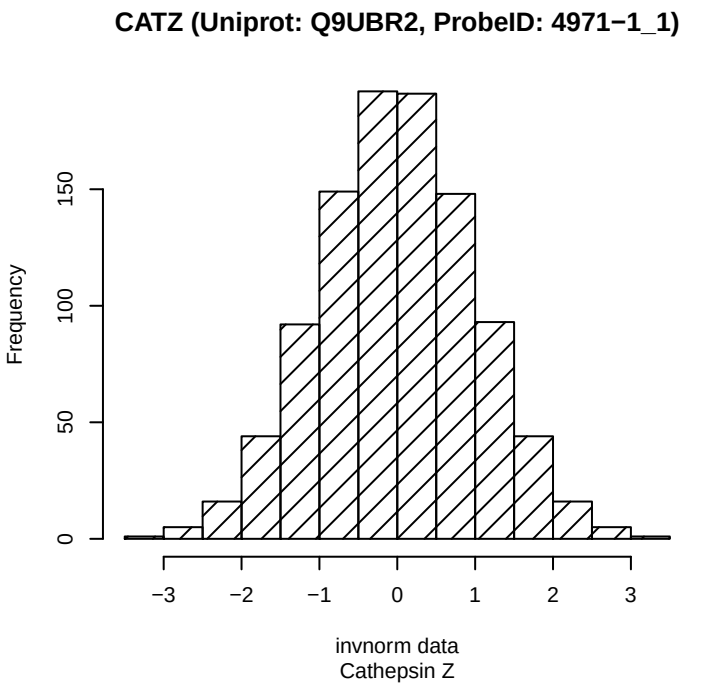

TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
invnorm data
−3
−2
−1
0
1
2
3
C/C (281)
C/− (480)
−/− (235)
rs35365539 (Chr3:49794348)
Locus 334 top sentinel (TRANS), p=1.4e−13

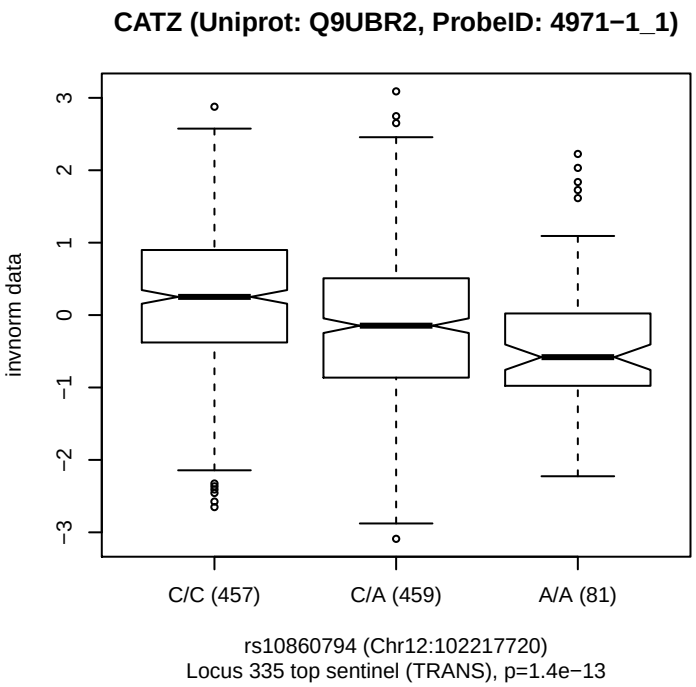

CATZ (Uniprot: Q9UBR2, ProbeID: 4971−1_1)
Frequency
raw data
Cathepsin Z

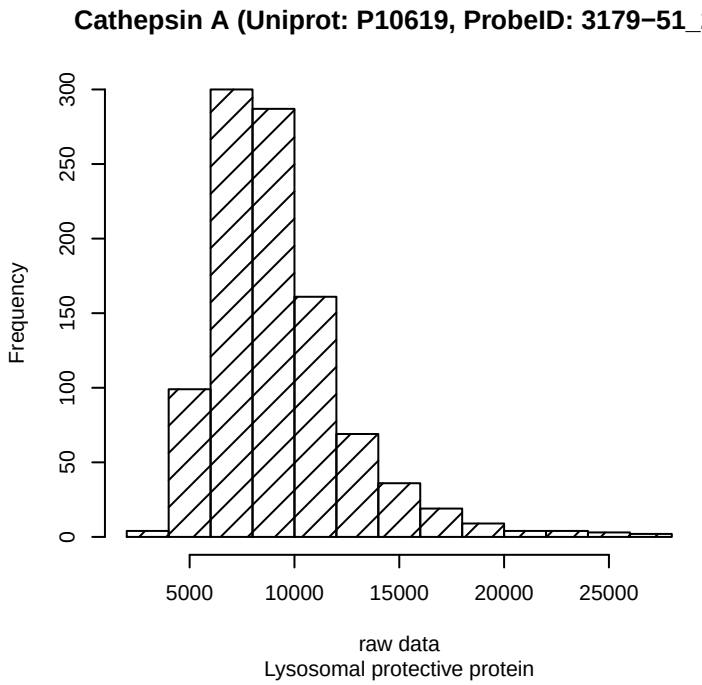

CATZ (Uniprot: Q9UBR2, ProbeID: 4971−1_1)
raw data
C/C (457)
C/A (459)
A/A (81)
rs10860794 (Chr12:102217720)
Locus 335 top sentinel (TRANS), p=2.5e−11

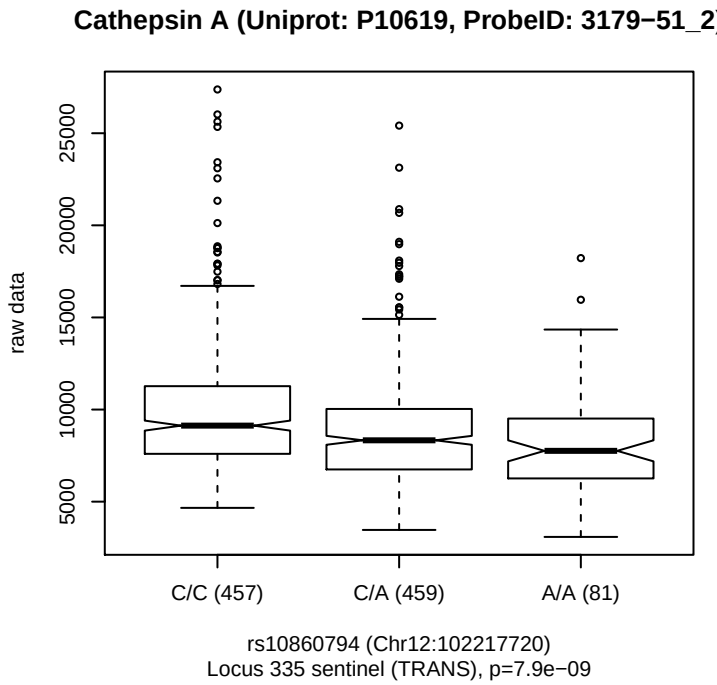

CATZ (Uniprot: Q9UBR2, ProbeID: 4971−1_1)
Frequency
log2−scaled data
Cathepsin Z

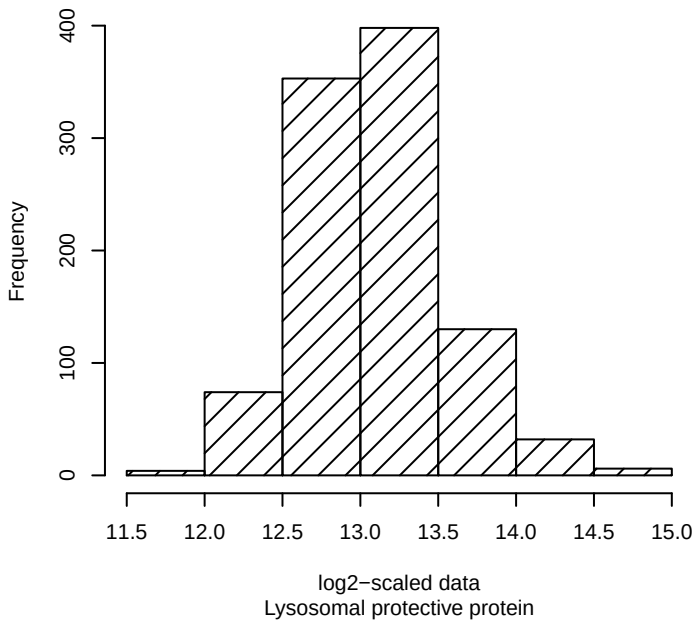

CATZ (Uniprot: Q9UBR2, ProbeID: 4971−1_1)
log2−scaled data
C/C (457)
C/A (459)
A/A (81)
rs10860794 (Chr12:102217720)
Locus 335 top sentinel (TRANS), p=1.5e−12, FC=−1.0852

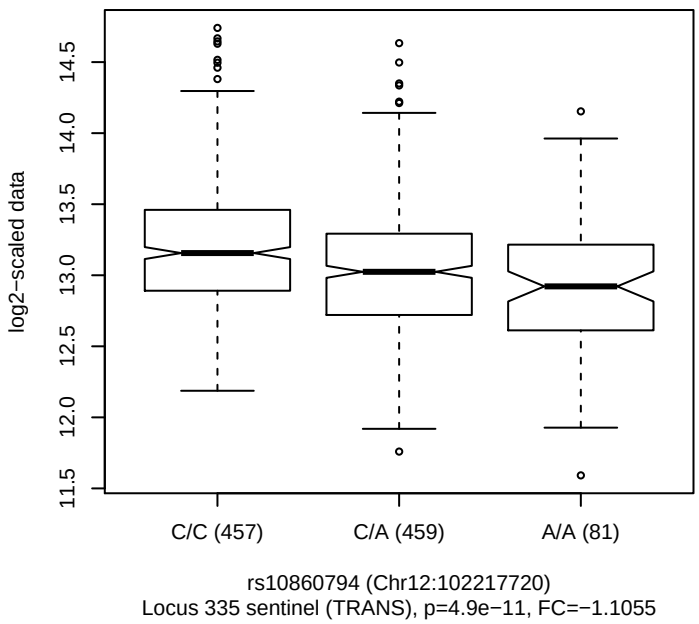

CATZ (Uniprot: Q9UBR2, ProbeID: 4971−1_1)
Frequency
invnorm data
Cathepsin Z

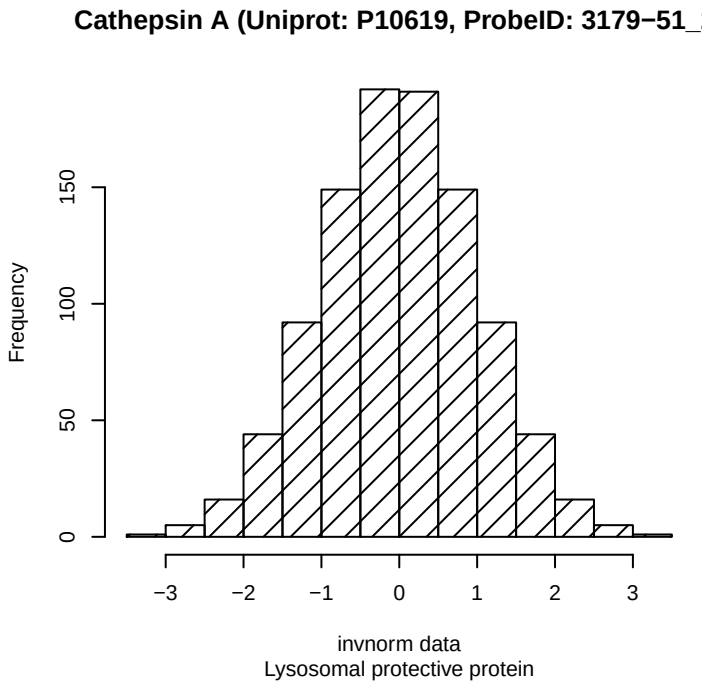

CATZ (Uniprot: Q9UBR2, ProbeID: 4971−1_1)
invnorm data
C/C (457)
C/A (459)
A/A (81)
rs10860794 (Chr12:102217720)
Locus 335 top sentinel (TRANS), p=1.4e−13

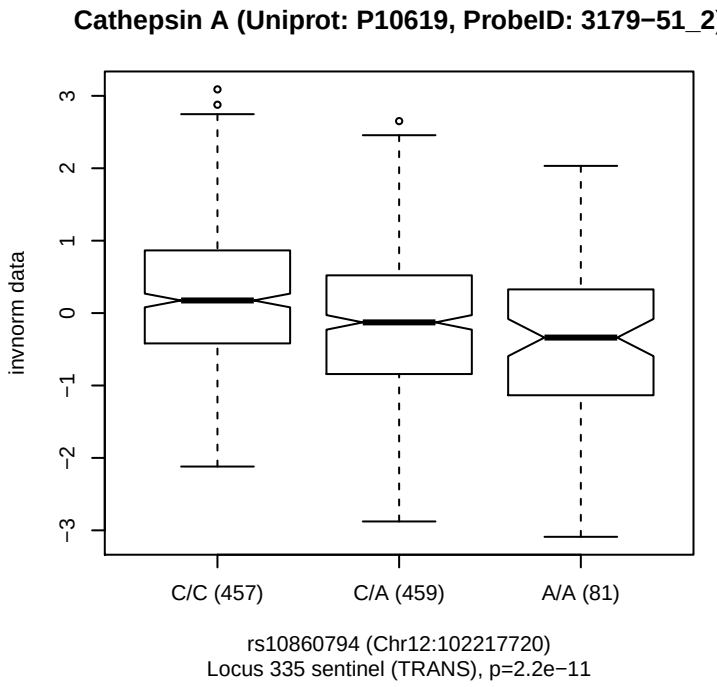

Cathepsin A (Uniprot: P10619, ProbeID: 3179−51_2)
Frequency
raw data
Lysosomal protective protein

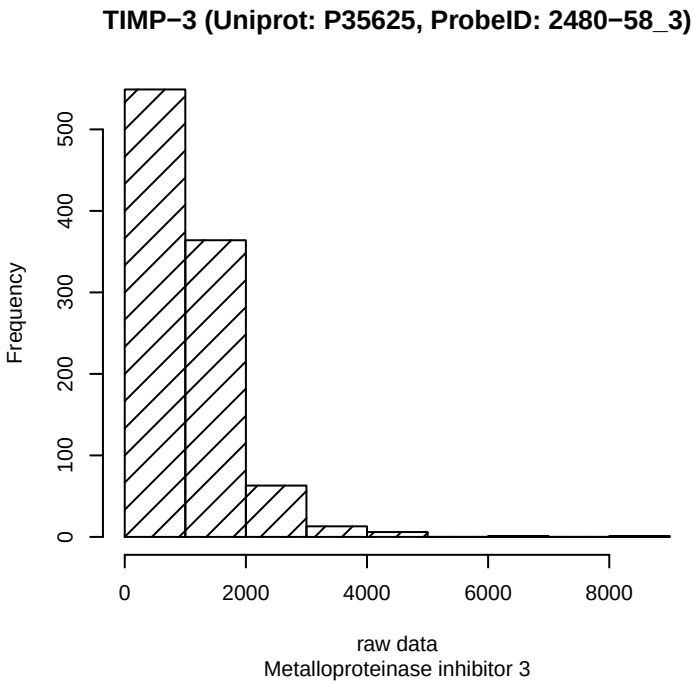

Cathepsin A (Uniprot: P10619, ProbeID: 3179−51_2)
raw data
C/C (457)
C/A (459)
A/A (81)
rs10860794 (Chr12:102217720)
Locus 335 sentinel (TRANS), p=7.9e−09

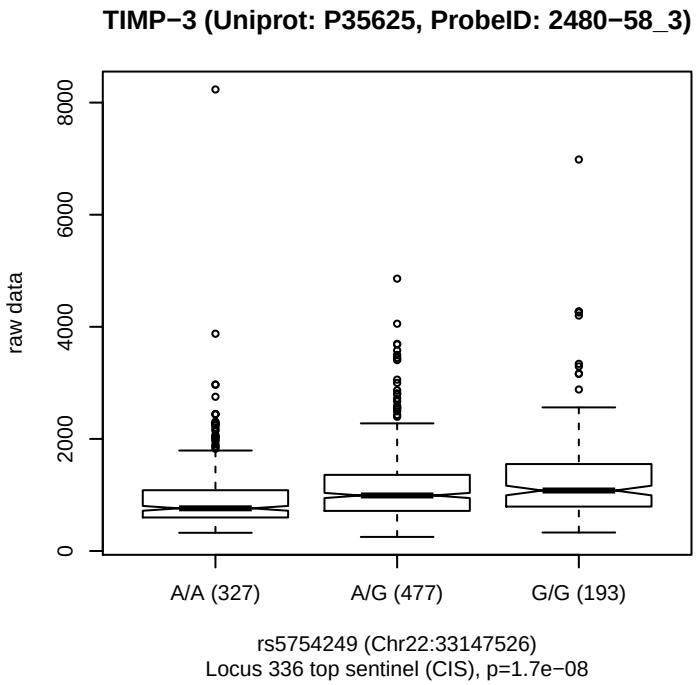

Cathepsin A (Uniprot: P10619, ProbeID: 3179−51_2)
Frequency
log2−scaled data
Lysosomal protective protein

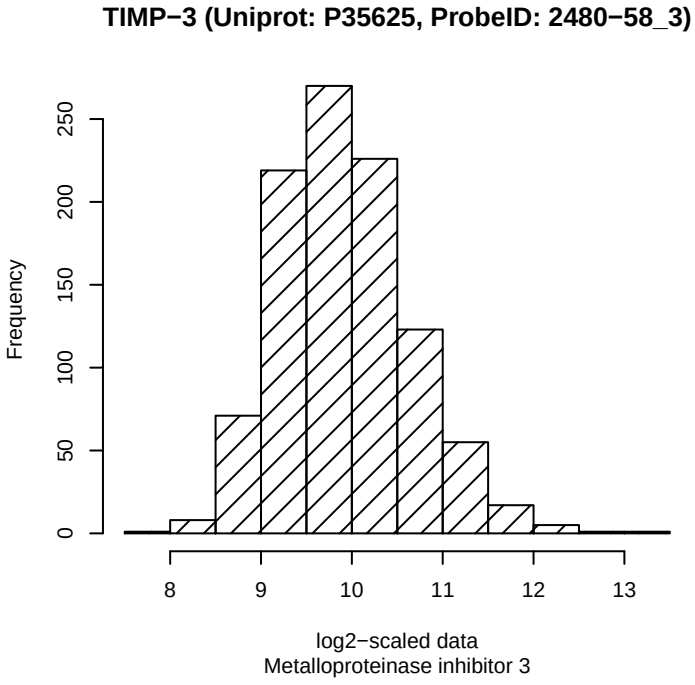

Cathepsin A (Uniprot: P10619, ProbeID: 3179−51_2)
log2−scaled data
C/C (457)
C/A (459)
A/A (81)
rs10860794 (Chr12:102217720)
Locus 335 sentinel (TRANS), p=4.9e−11, FC=−1.1055

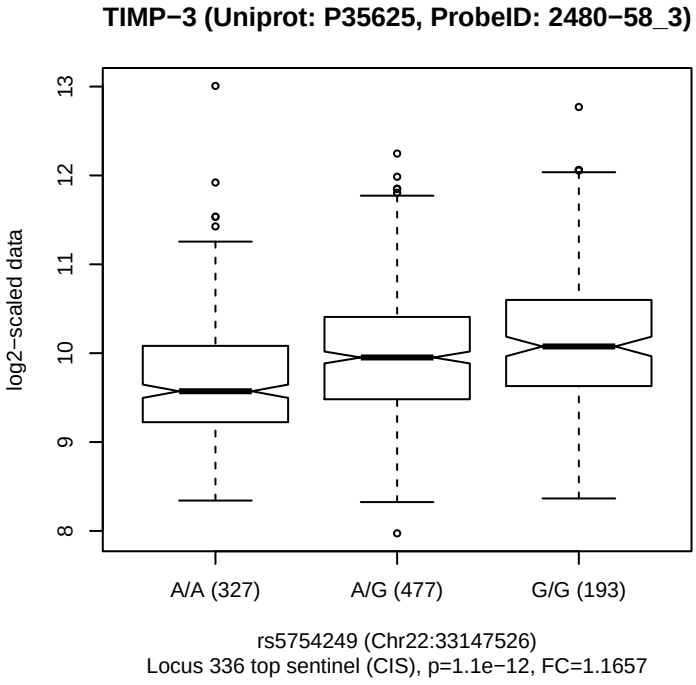

Cathepsin A (Uniprot: P10619, ProbeID: 3179−51_2)
Frequency
invnorm data
Lysosomal protective protein

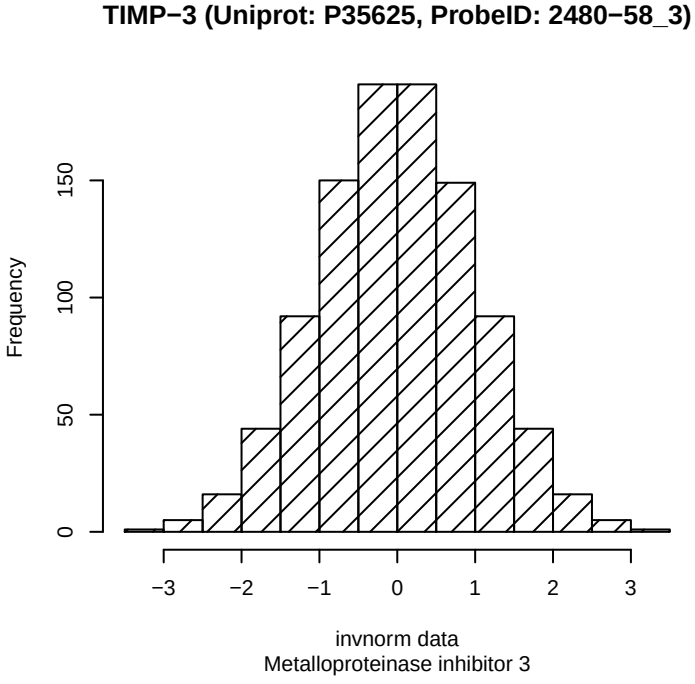

Cathepsin A (Uniprot: P10619, ProbeID: 3179−51_2)
invnorm data
C/C (457)
C/A (459)
A/A (81)
rs10860794 (Chr12:102217720)
Locus 335 sentinel (TRANS), p=2.2e−11

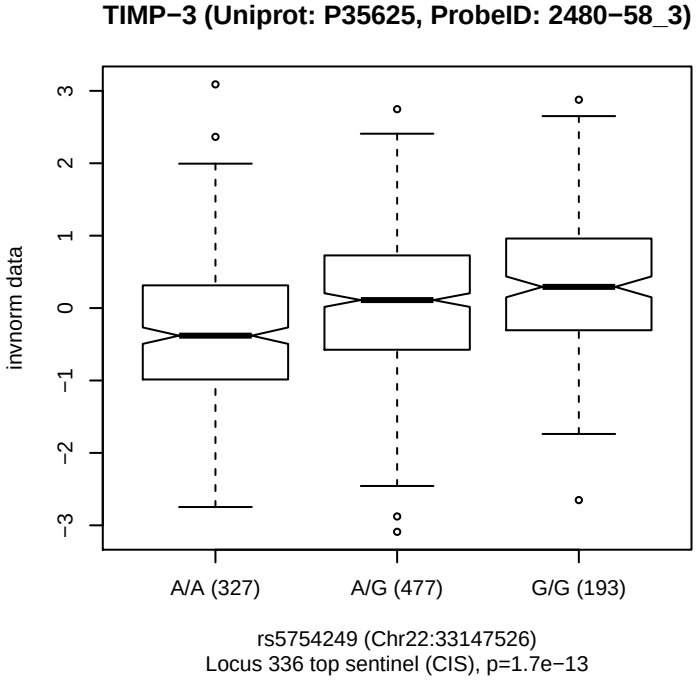

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
Frequency
0
100
200
300
400
500
0
2000
4000
6000
8000
raw data
Metalloproteinase inhibitor 3

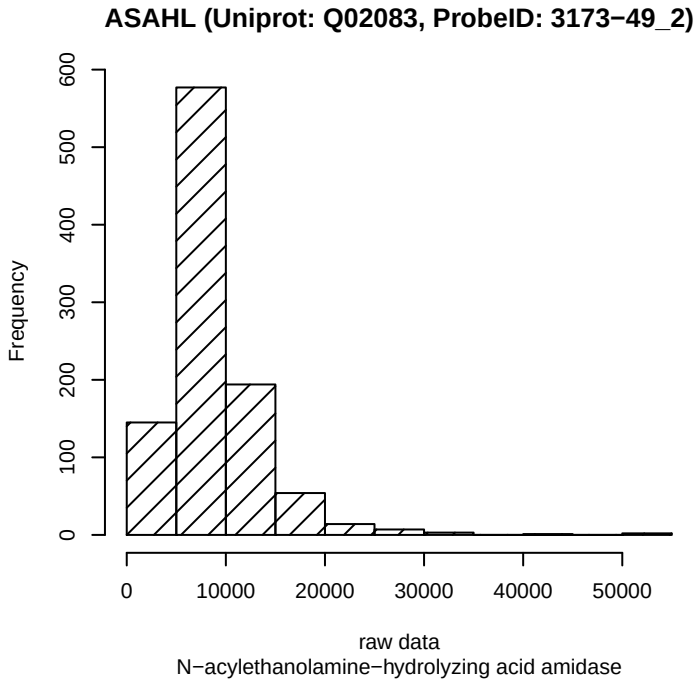

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
raw data
0
2000
4000
6000
8000
A/A (327)
A/G (477)
G/G (193)
rs5754249 (Chr22:33147526)
Locus 336 top sentinel (CIS), p=1.7e−08

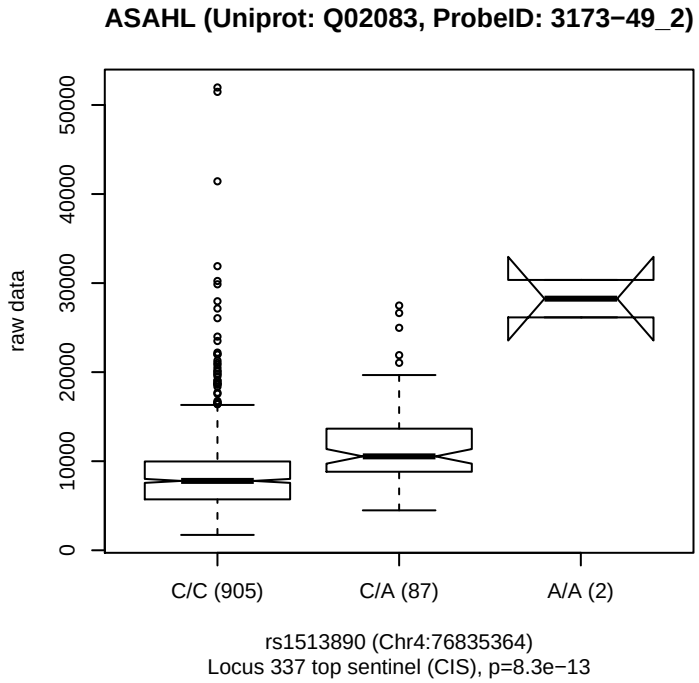

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
Frequency
0
50
100
150
200
250
8
9
10
11
12
13
log2−scaled data
Metalloproteinase inhibitor 3

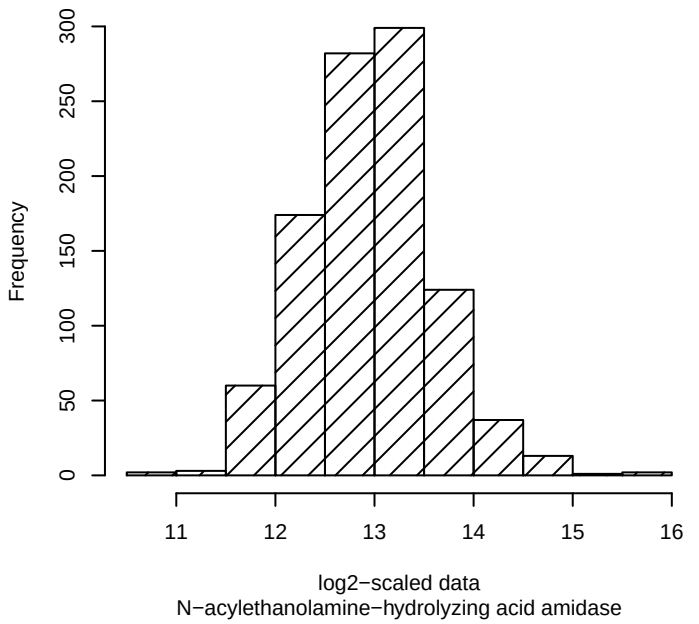

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
log2−scaled data
8
9
10
11
12
13
A/A (327)
A/G (477)
G/G (193)
rs5754249 (Chr22:33147526)
Locus 336 top sentinel (CIS), p=1.1e−12, FC=1.1657

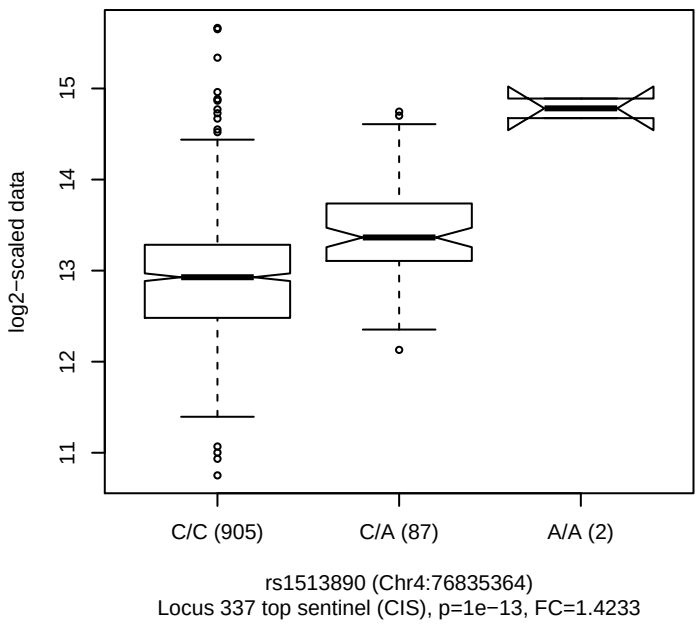

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Metalloproteinase inhibitor 3

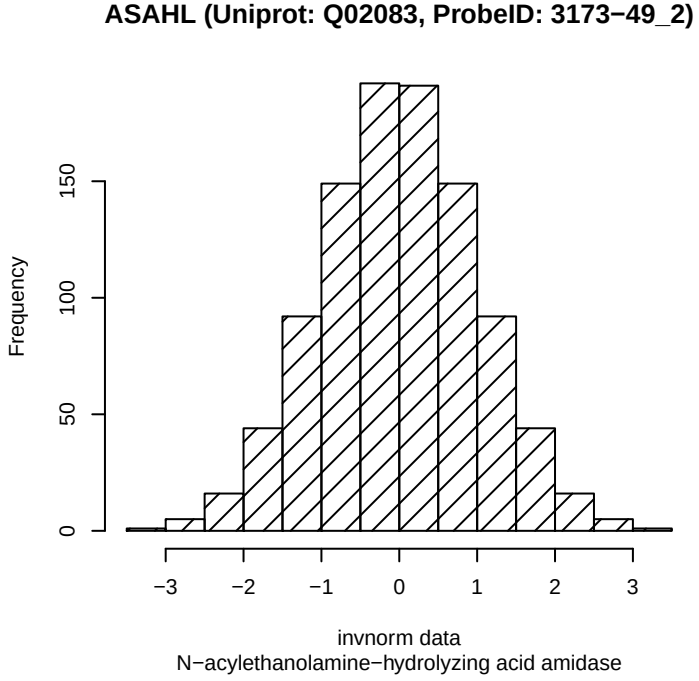

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
invnorm data
−3
−2
−1
0
1
2
3
A/A (327)
A/G (477)
G/G (193)
rs5754249 (Chr22:33147526)
Locus 336 top sentinel (CIS), p=1.7e−13

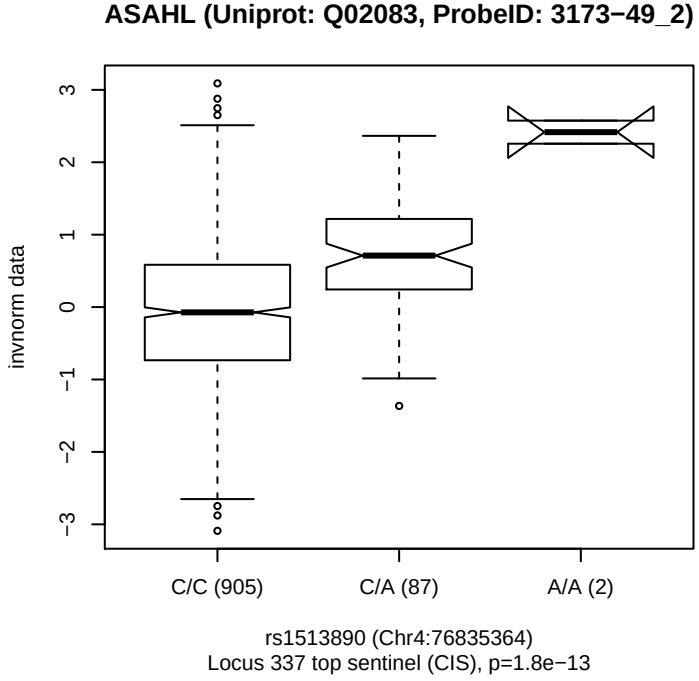

ASAHL (Uniprot: Q02083, ProbeID: 3173−49_2)
Frequency
0
100
200
300
400
500
600
0
10000
20000
30000
40000
50000
raw data
N−acylethanolamine−hydrolyzing acid amidase

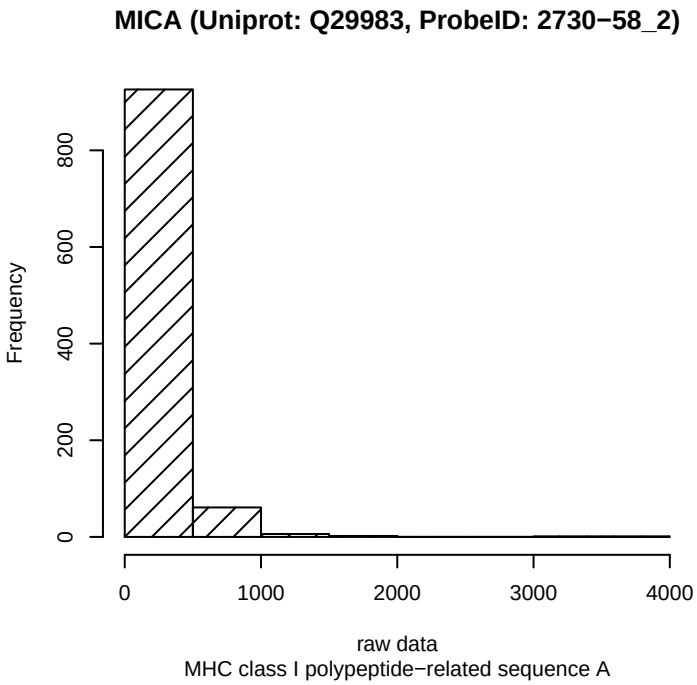

ASAHL (Uniprot: Q02083, ProbeID: 3173−49_2)
raw data
0
10000
20000
30000
40000
50000
C/C (905)
C/A (87)
A/A (2)
rs1513890 (Chr4:76835364)
Locus 337 top sentinel (CIS), p=8.3e−13

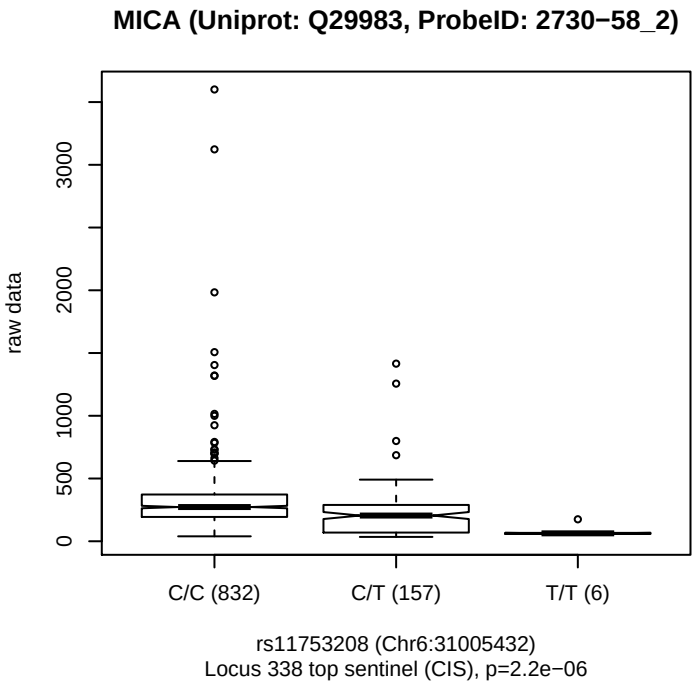

ASAHL (Uniprot: Q02083, ProbeID: 3173−49_2)
Frequency
0
50
100
150
200
250
300
11
12
13
14
15
16
log2−scaled data
N−acylethanolamine−hydrolyzing acid amidase

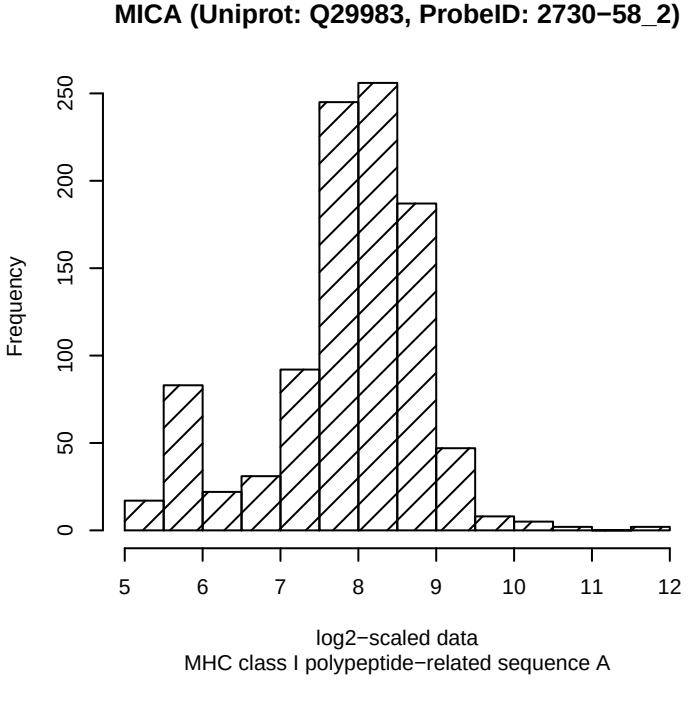

ASAHL (Uniprot: Q02083, ProbeID: 3173−49_2)
log2−scaled data
11
12
13
14
15
C/C (905)
C/A (87)
A/A (2)
rs1513890 (Chr4:76835364)
Locus 337 top sentinel (CIS), p=1e−13, FC=1.4233

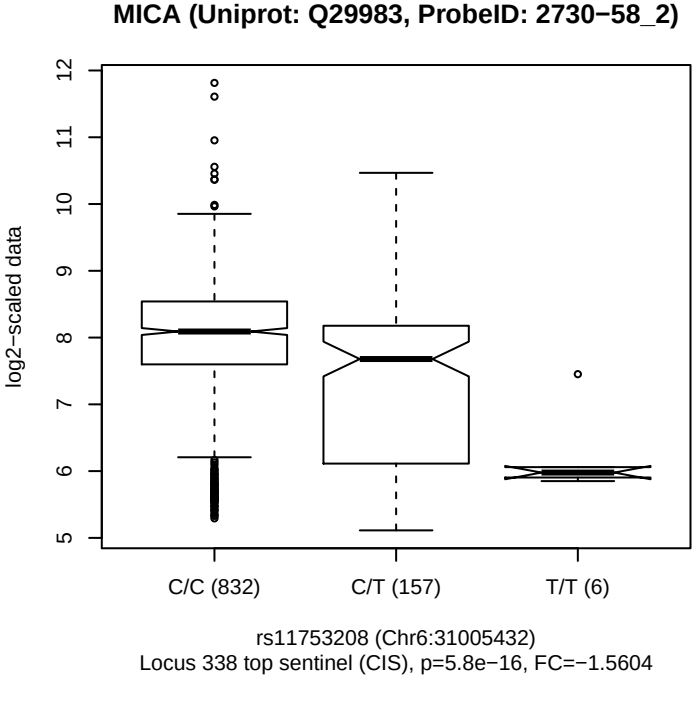

ASAHL (Uniprot: Q02083, ProbeID: 3173−49_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
N−acylethanolamine−hydrolyzing acid amidase

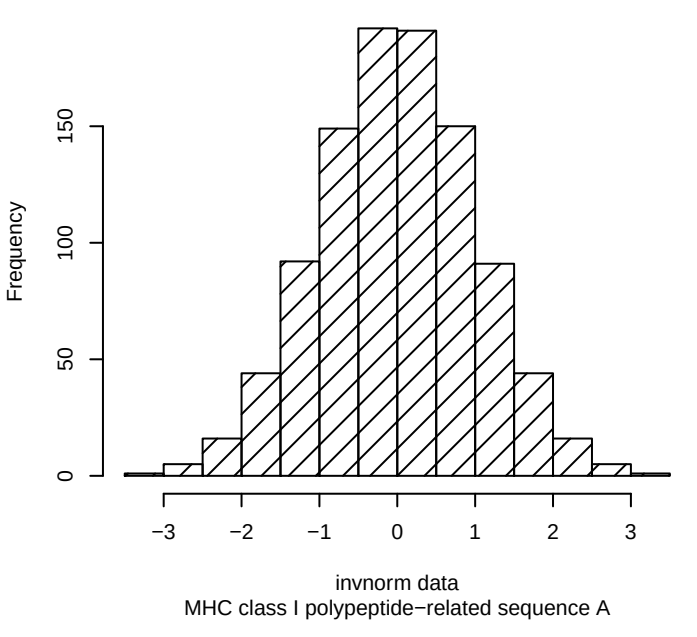

ASAHL (Uniprot: Q02083, ProbeID: 3173−49_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (905)
C/A (87)
A/A (2)
rs1513890 (Chr4:76835364)
Locus 337 top sentinel (CIS), p=1.8e−13

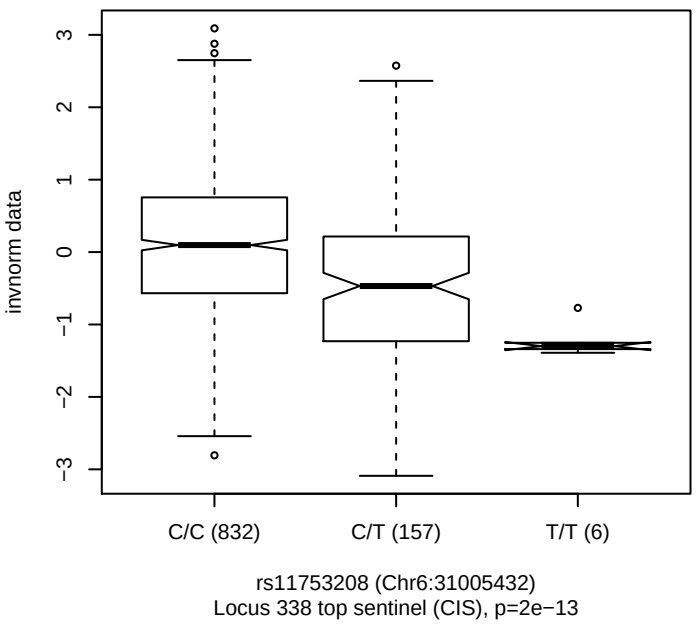

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
200
400
600
800
0
1000
2000
3000
4000
raw data
MHC class I polypeptide−related sequence A

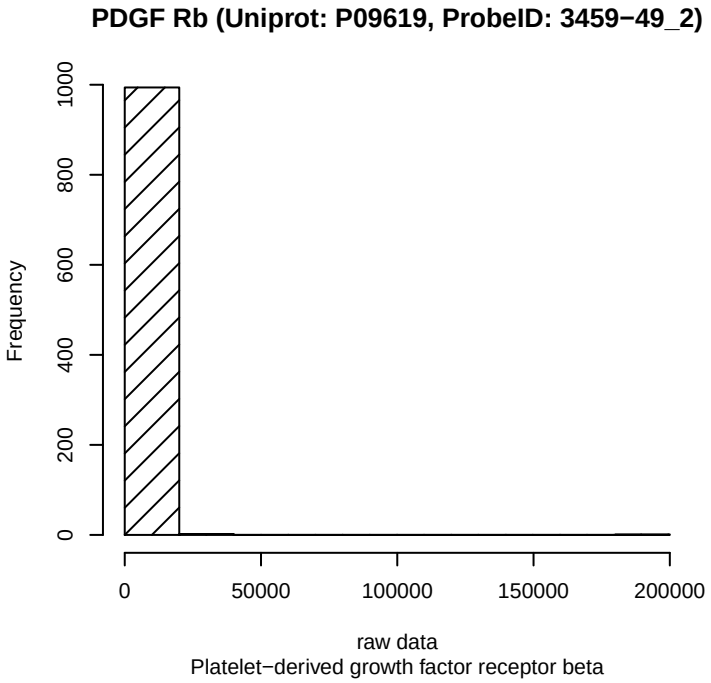

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
raw data
0
500
1000
2000
3000
C/C (832)
C/T (157)
T/T (6)
rs11753208 (Chr6:31005432)
Locus 338 top sentinel (CIS), p=2.2e−06

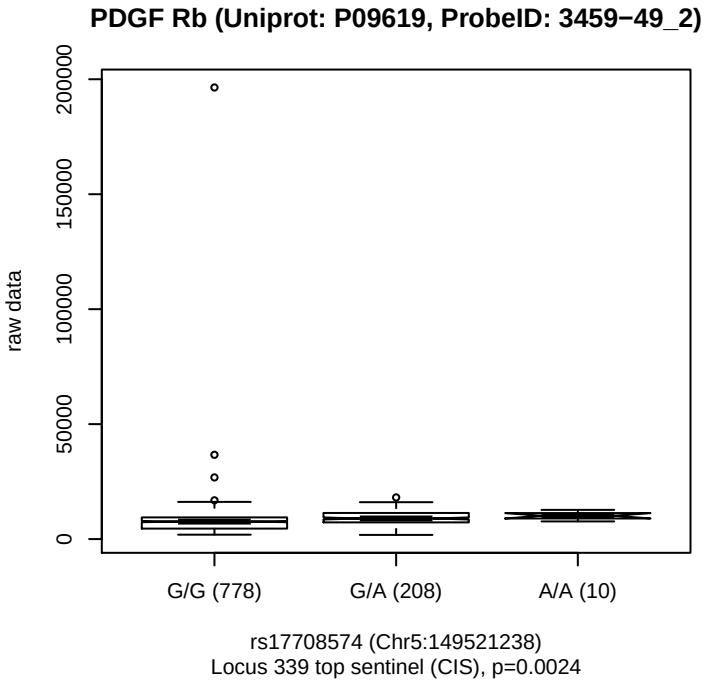

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
200
250
5
6
7
8
9
10
11
12
log2−scaled data
MHC class I polypeptide−related sequence A

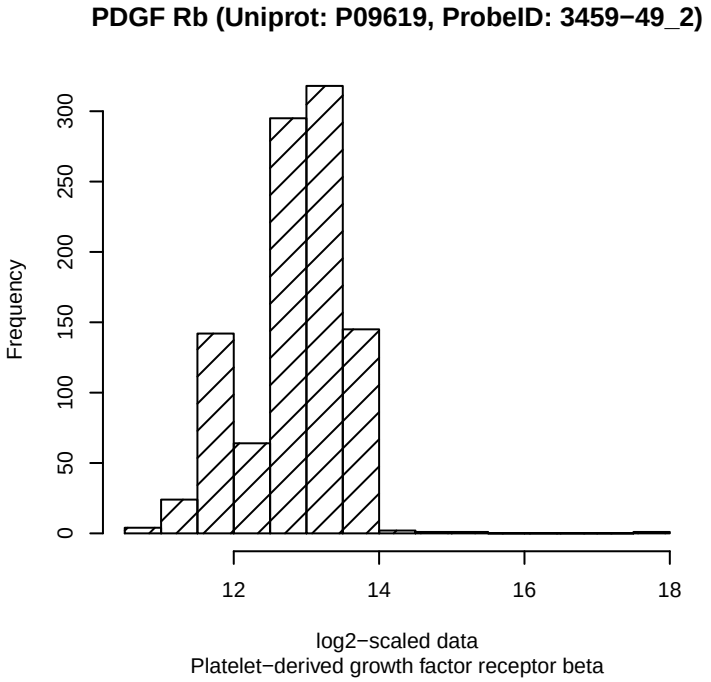

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
log2−scaled data
5
6
7
8
9
10
11
12
C/C (832)
C/T (157)
T/T (6)
rs11753208 (Chr6:31005432)
Locus 338 top sentinel (CIS), p=5.8e−16, FC=−1.5604

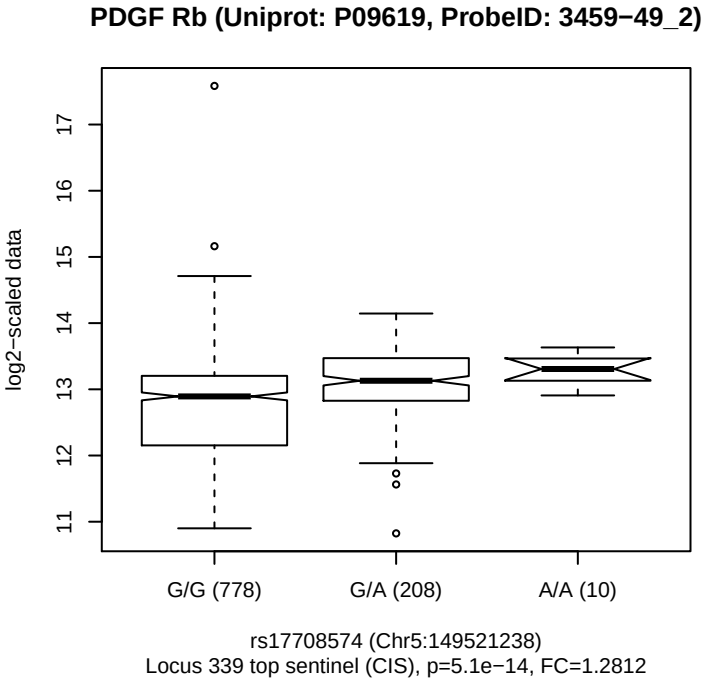

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence A

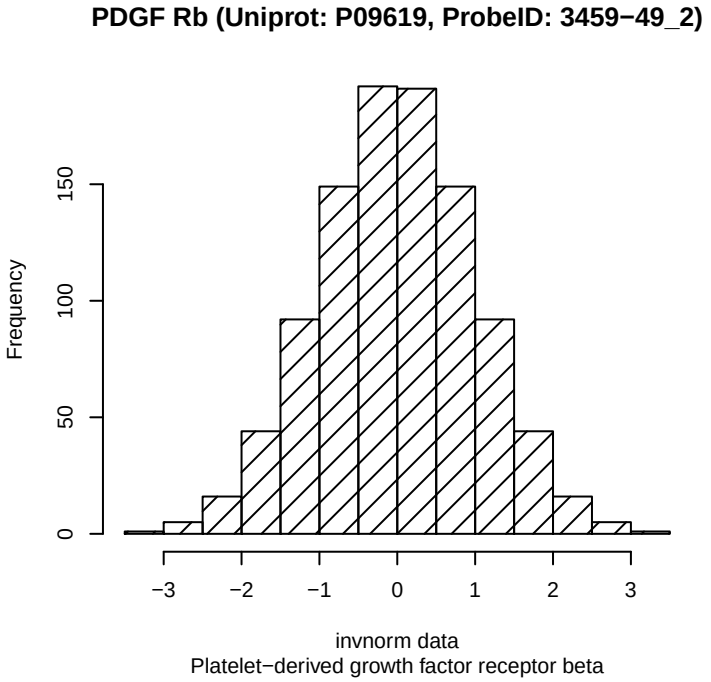

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (832)
C/T (157)
T/T (6)
rs11753208 (Chr6:31005432)
Locus 338 top sentinel (CIS), p=2e−13

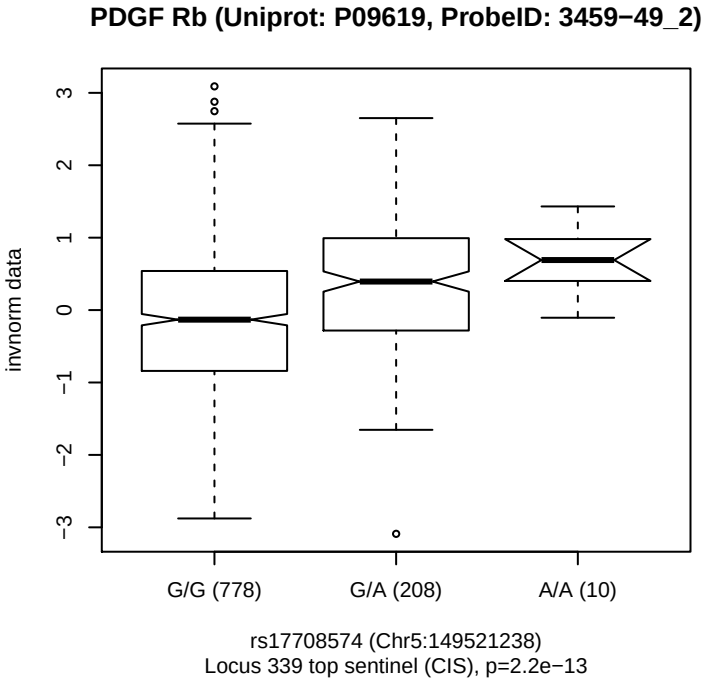

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
Frequency
0
200
400
600
800
1000
0
50000
100000
150000
200000
raw data
Platelet−derived growth factor receptor beta

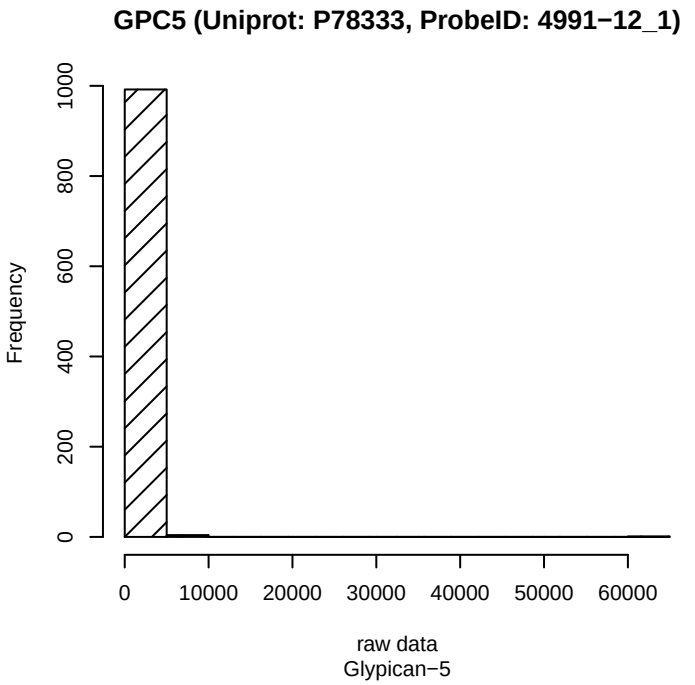

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
raw data
0
50000
100000
150000
200000
G/G (778)
G/A (208)
A/A (10)
rs17708574 (Chr5:149521238)
Locus 339 top sentinel (CIS), p=0.0024

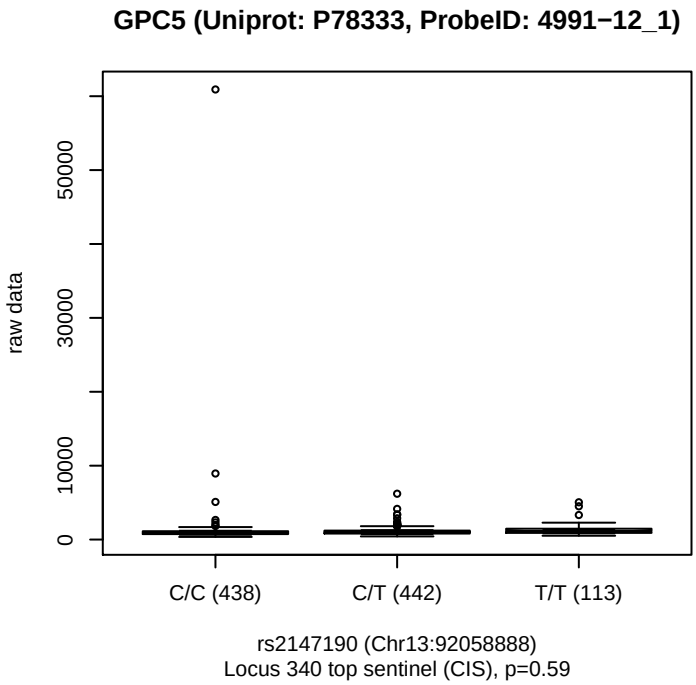

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
Frequency
0
50
100
150
200
250
300
12
14
16
18
log2−scaled data
Platelet−derived growth factor receptor beta

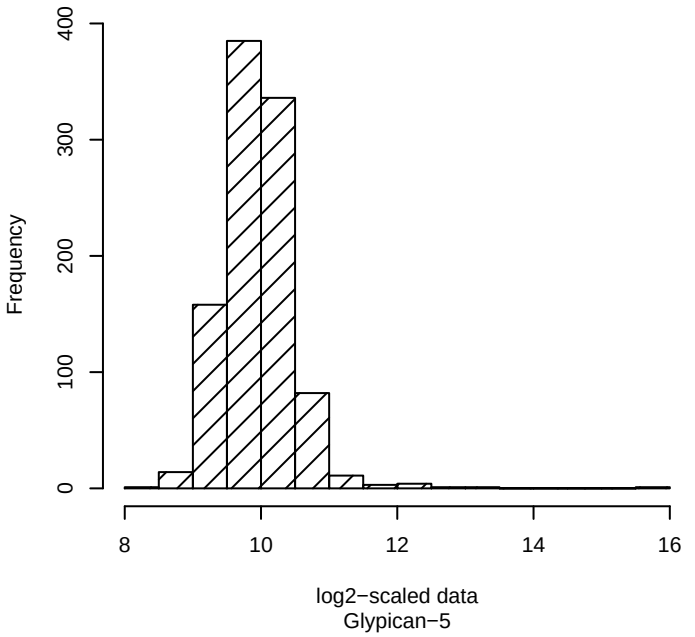

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
log2−scaled data
11
12
13
14
15
16
17
G/G (778)
G/A (208)
A/A (10)
rs17708574 (Chr5:149521238)
Locus 339 top sentinel (CIS), p=5.1e−14, FC=1.2812

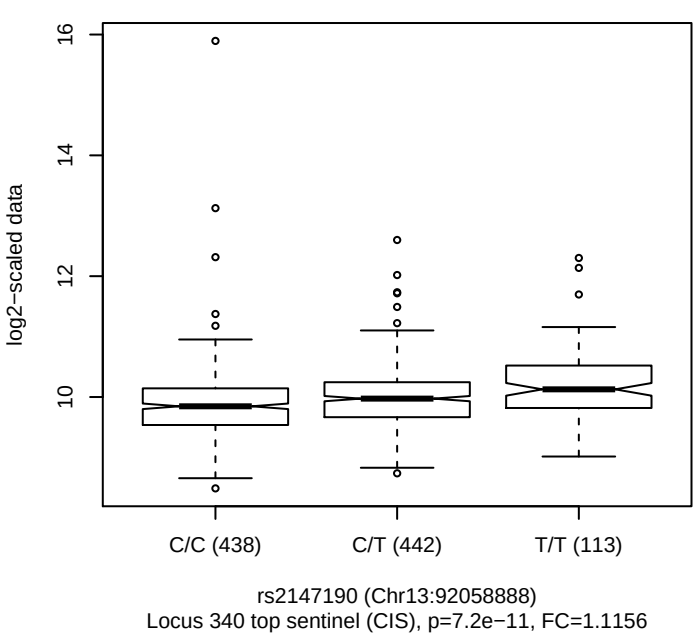

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Platelet−derived growth factor receptor beta

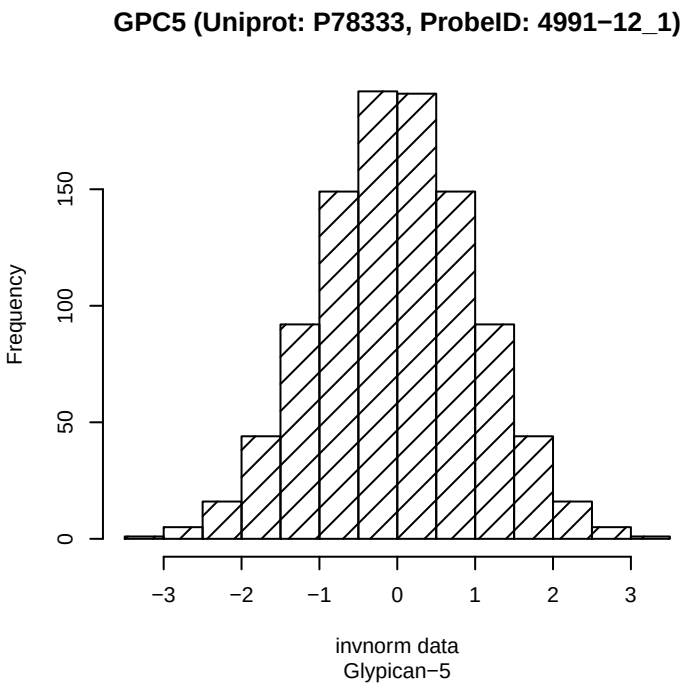

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (778)
G/A (208)
A/A (10)
rs17708574 (Chr5:149521238)
Locus 339 top sentinel (CIS), p=2.2e−13

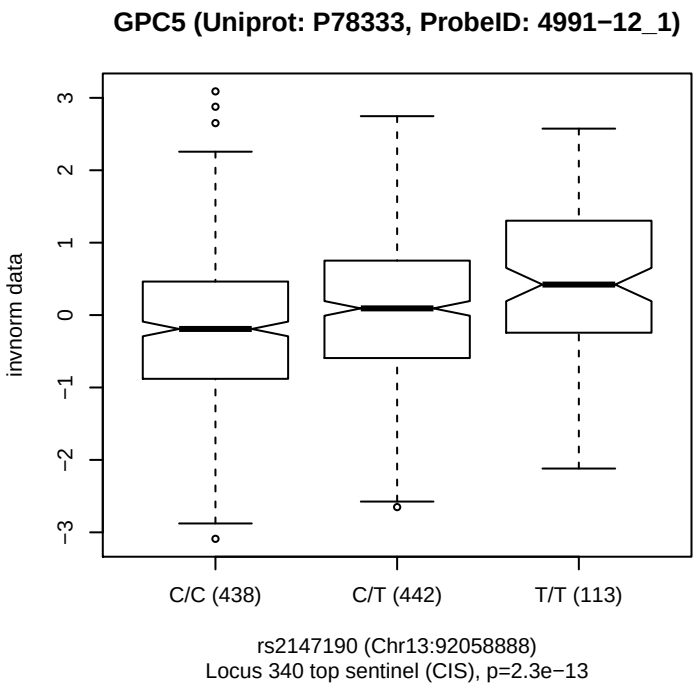

GPC5 (Uniprot: P78333, ProbeID: 4991−12_1)
Frequency
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
60000
raw data
Glypican−5

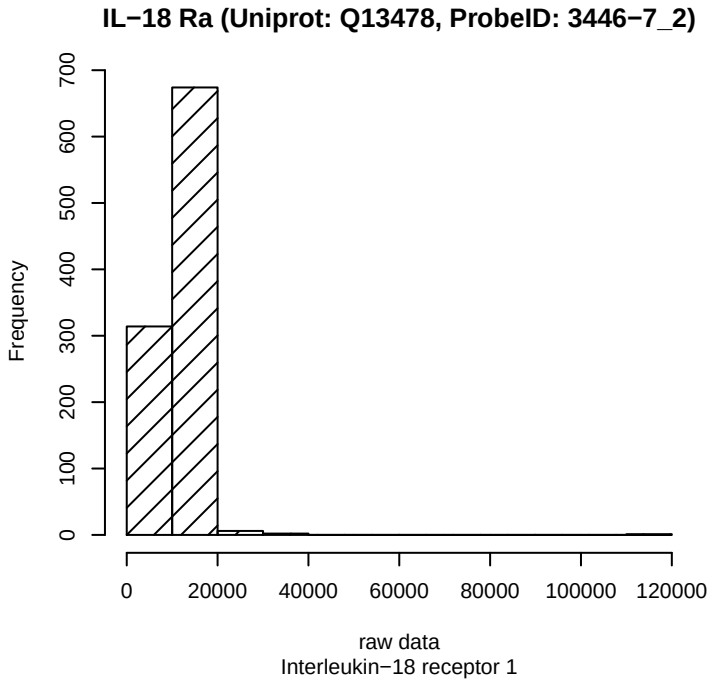

GPC5 (Uniprot: P78333, ProbeID: 4991−12_1)
raw data
0
10000
30000
50000
C/C (438)
C/T (442)
T/T (113)
rs2147190 (Chr13:92058888)
Locus 340 top sentinel (CIS), p=0.59

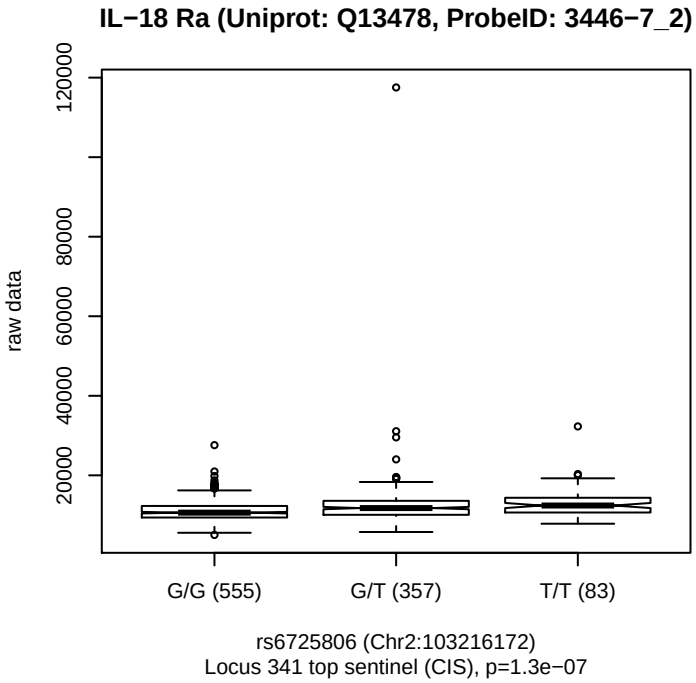

GPC5 (Uniprot: P78333, ProbeID: 4991−12_1)
Frequency
0
100
200
300
400
8
10
12
14
16
log2−scaled data
Glypican−5

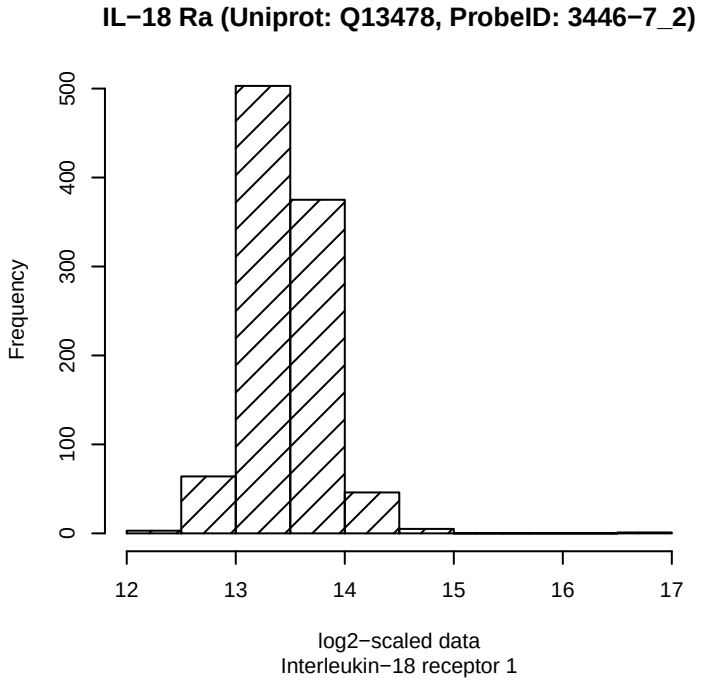

GPC5 (Uniprot: P78333, ProbeID: 4991−12_1)
log2−scaled data
10
12
14
16
C/C (438)
C/T (442)
T/T (113)
rs2147190 (Chr13:92058888)
Locus 340 top sentinel (CIS), p=7.2e−11, FC=1.1156

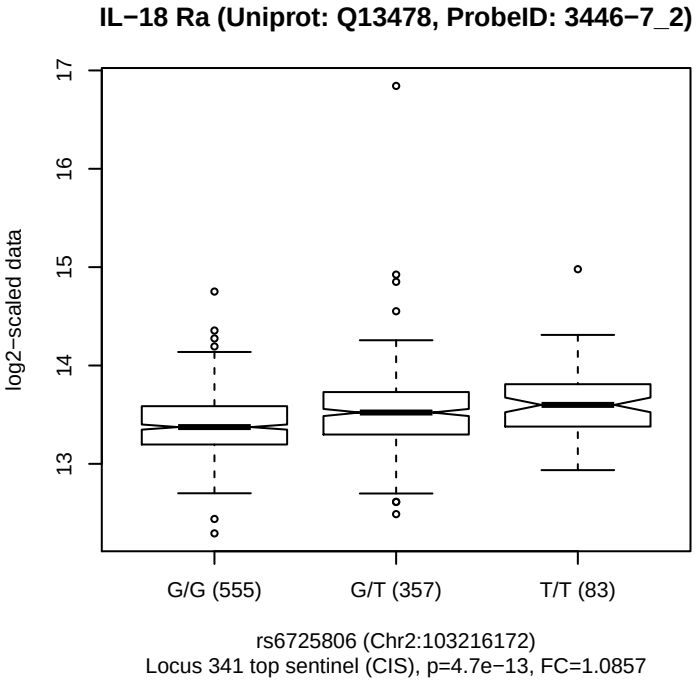

GPC5 (Uniprot: P78333, ProbeID: 4991−12_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Glypican−5

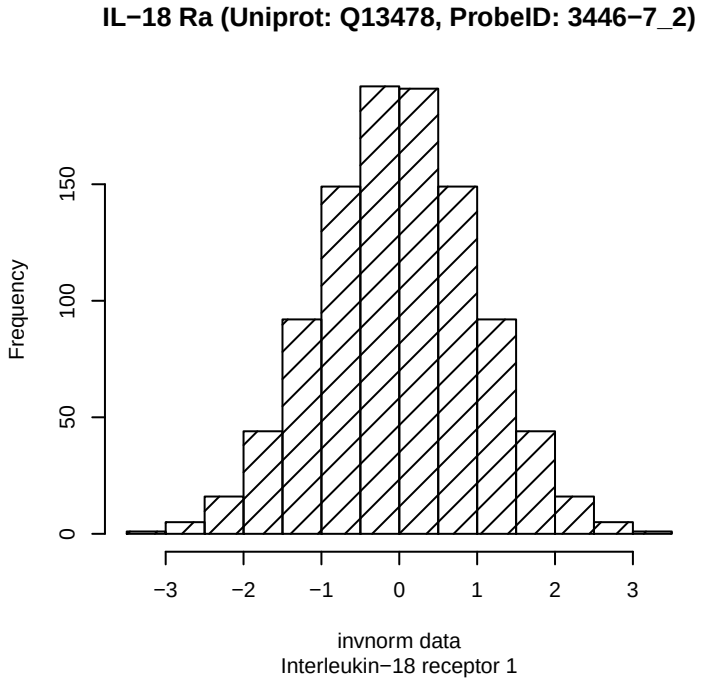

GPC5 (Uniprot: P78333, ProbeID: 4991−12_1)
invnorm data
−3
−2
−1
0
1
2
3
C/C (438)
C/T (442)
T/T (113)
rs2147190 (Chr13:92058888)
Locus 340 top sentinel (CIS), p=2.3e−13

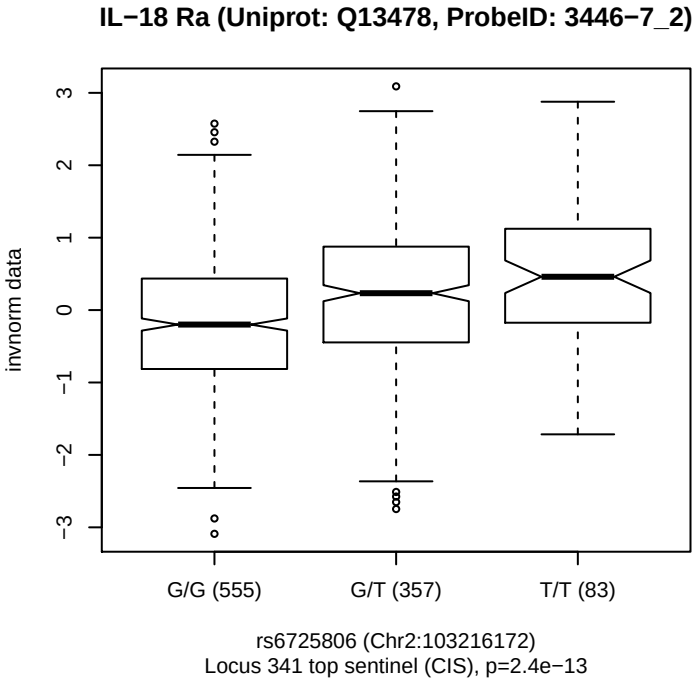

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
Frequency
0
100
200
300
400
500
600
700
0
20000
40000
60000
80000
100000
120000
raw data
Interleukin−18 receptor 1

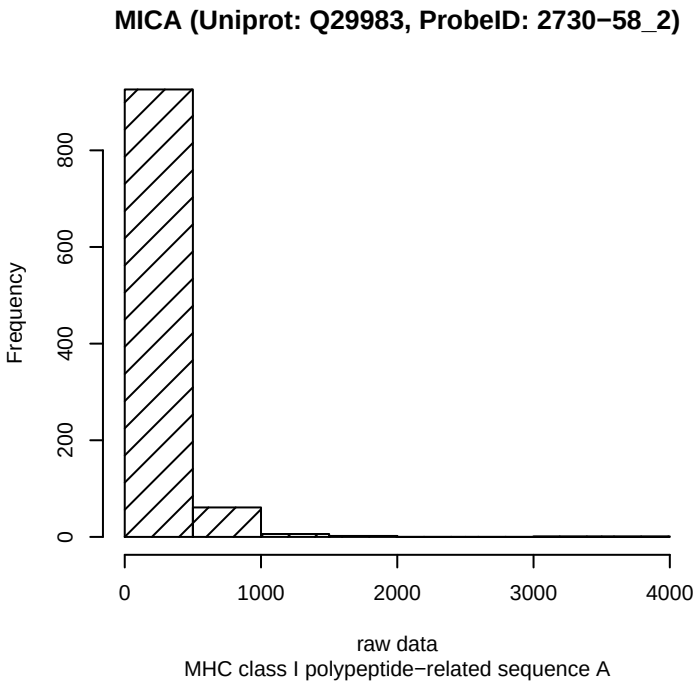

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
raw data
20000
40000
60000
80000
120000
G/G (555)
G/T (357)
T/T (83)
rs6725806 (Chr2:103216172)
Locus 341 top sentinel (CIS), p=1.3e−07

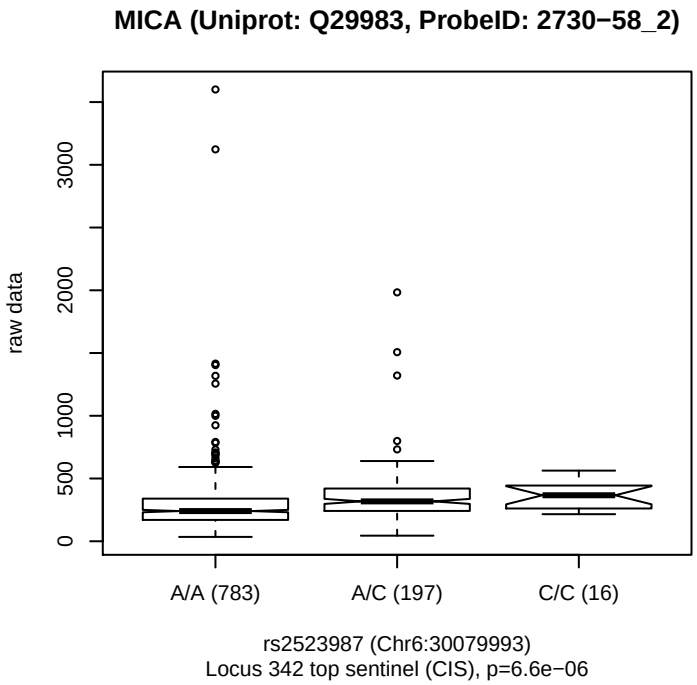

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
Frequency
0
100
200
300
400
500
12
13
14
15
16
17
log2−scaled data
Interleukin−18 receptor 1

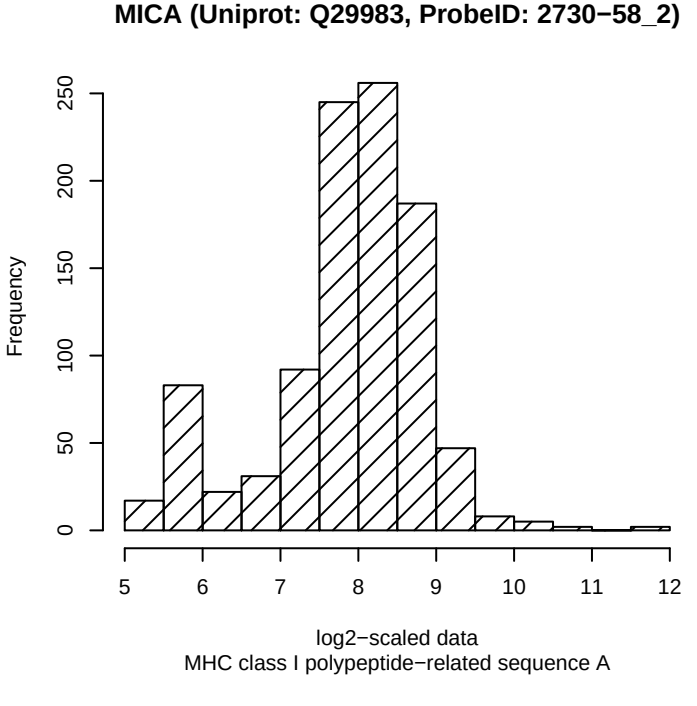

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
log2−scaled data
13
14
15
16
17
G/G (555)
G/T (357)
T/T (83)
rs6725806 (Chr2:103216172)
Locus 341 top sentinel (CIS), p=4.7e−13, FC=1.0857

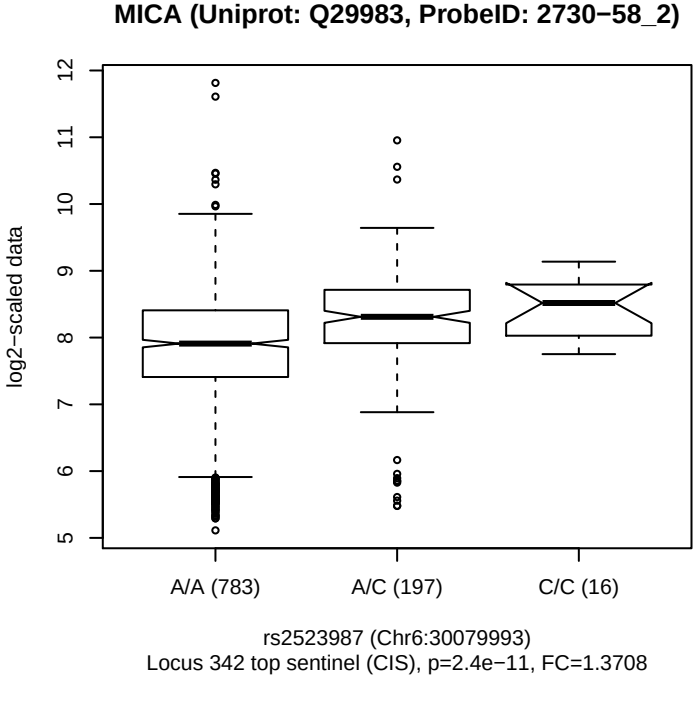

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−18 receptor 1

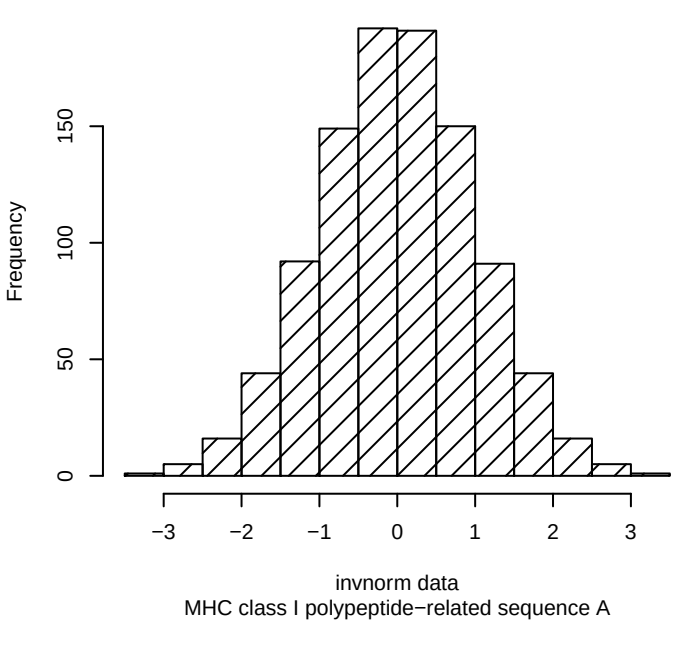

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (555)
G/T (357)
T/T (83)
rs6725806 (Chr2:103216172)
Locus 341 top sentinel (CIS), p=2.4e−13

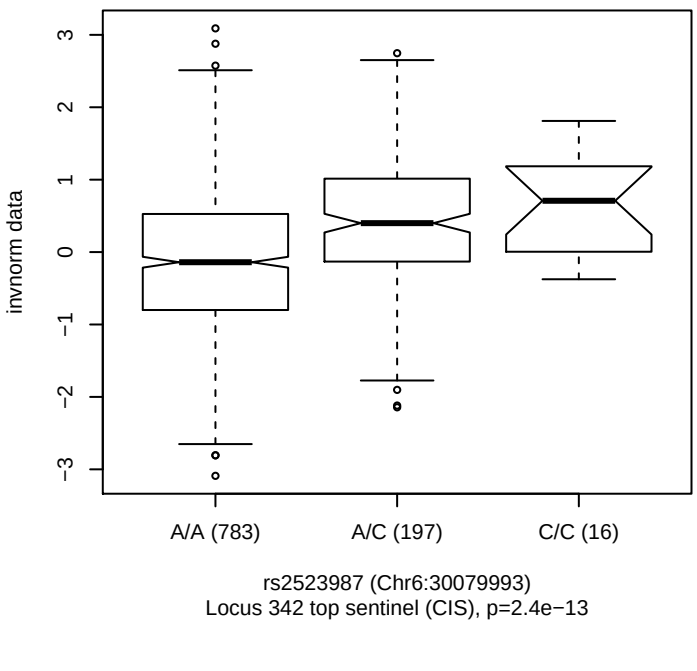

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
200
400
600
800
0
1000
2000
3000
4000
raw data
MHC class I polypeptide−related sequence A

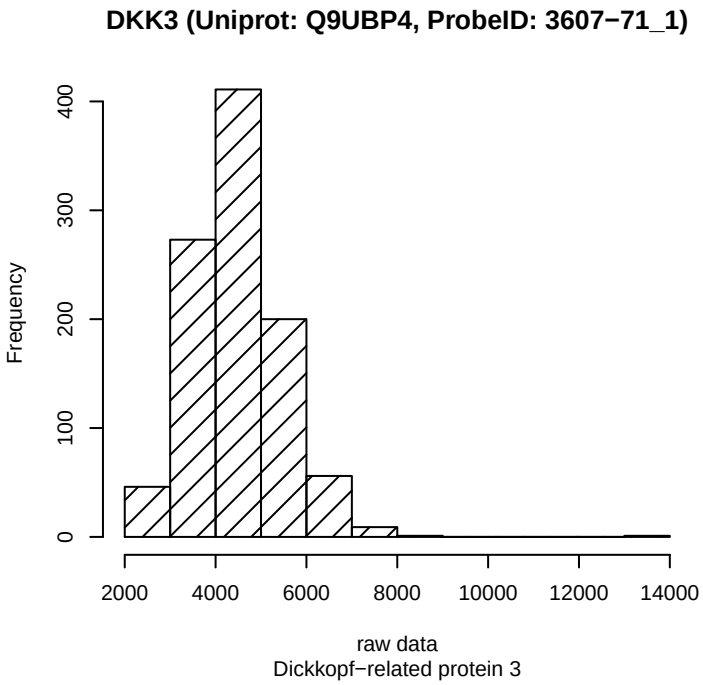

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
raw data
0
500
1000
2000
3000
A/A (783)
A/C (197)
C/C (16)
rs2523987 (Chr6:30079993)
Locus 342 top sentinel (CIS), p=6.6e−06

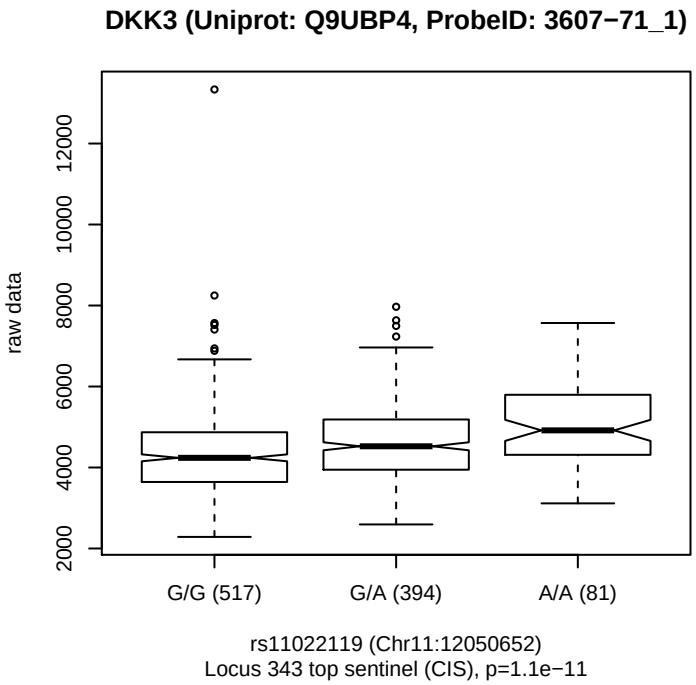

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
200
250
5
6
7
8
9
10
11
12
log2−scaled data
MHC class I polypeptide−related sequence A

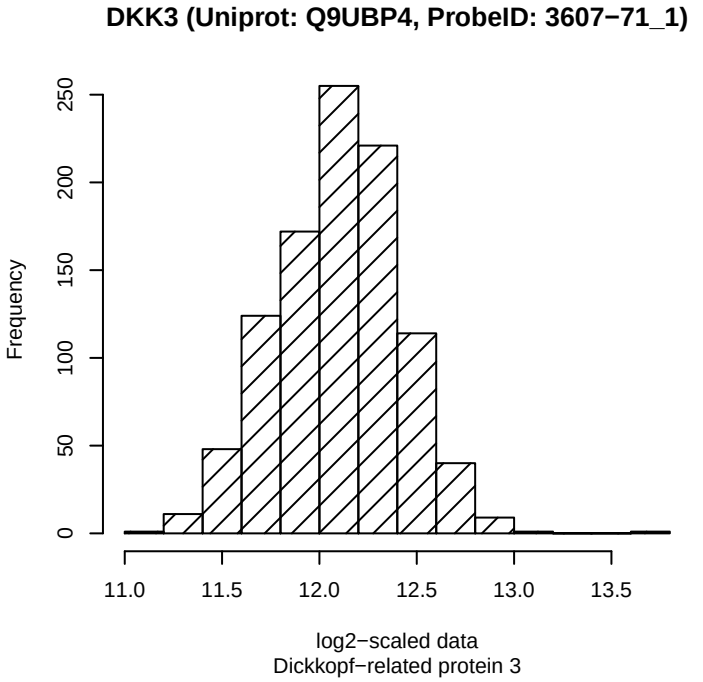

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
log2−scaled data
5
6
7
8
9
10
11
12
A/A (783)
A/C (197)
C/C (16)
rs2523987 (Chr6:30079993)
Locus 342 top sentinel (CIS), p=2.4e−11, FC=1.3708

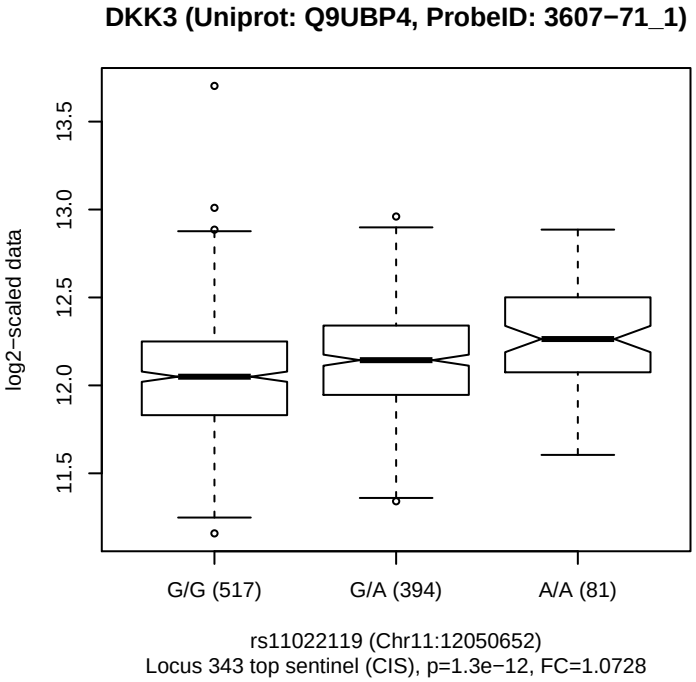

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence A

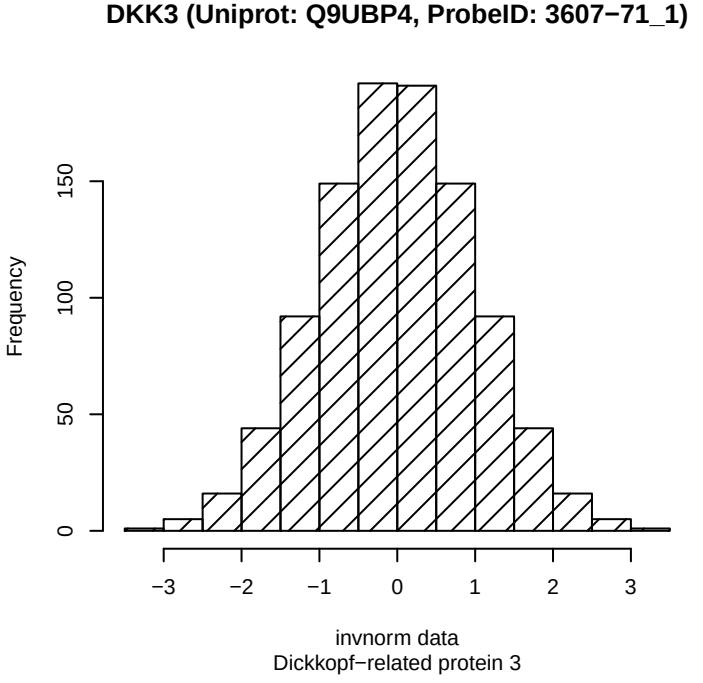

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (783)
A/C (197)
C/C (16)
rs2523987 (Chr6:30079993)
Locus 342 top sentinel (CIS), p=2.4e−13

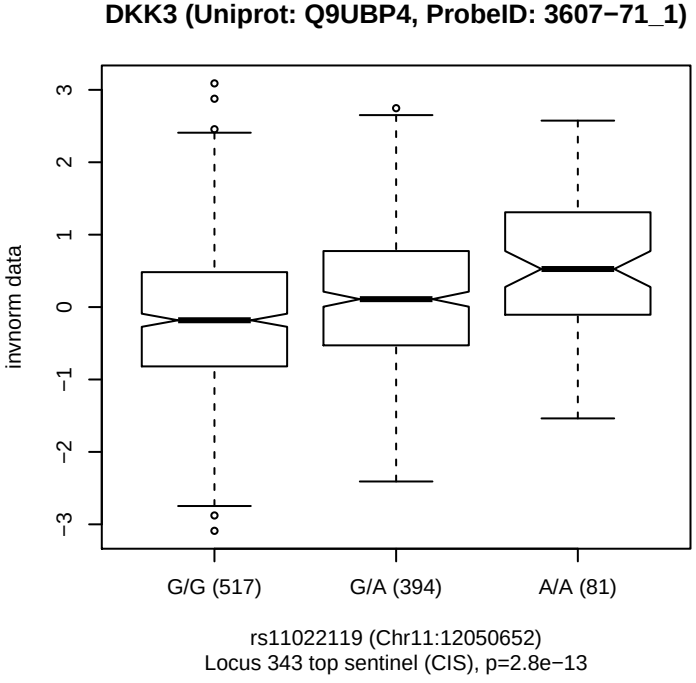

DKK3 (Uniprot: Q9UBP4, ProbeID: 3607−71_1)
Frequency
0
100
200
300
400
2000
4000
6000
8000
10000
12000
14000
raw data
Dickkopf−related protein 3

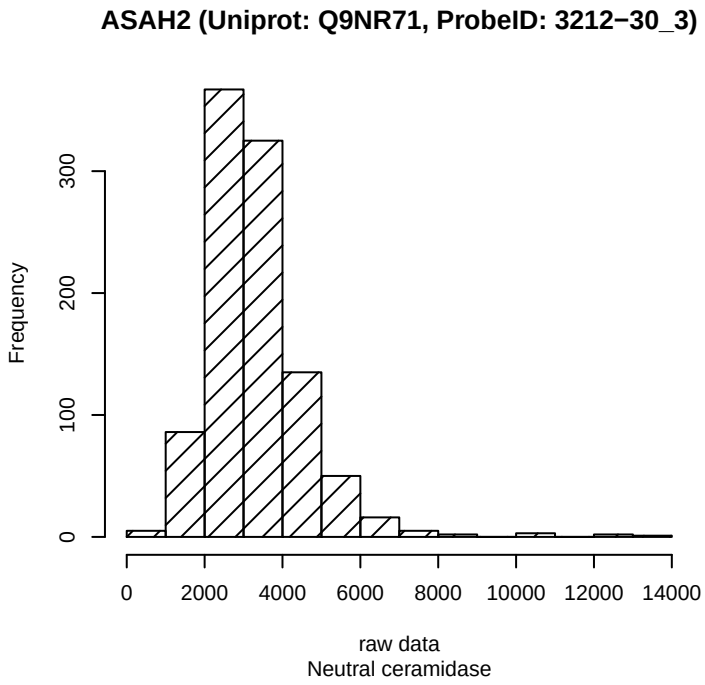

DKK3 (Uniprot: Q9UBP4, ProbeID: 3607−71_1)
raw data
2000
4000
6000
8000
10000
12000
G/G (517)
G/A (394)
A/A (81)
rs11022119 (Chr11:12050652)
Locus 343 top sentinel (CIS), p=1.1e−11

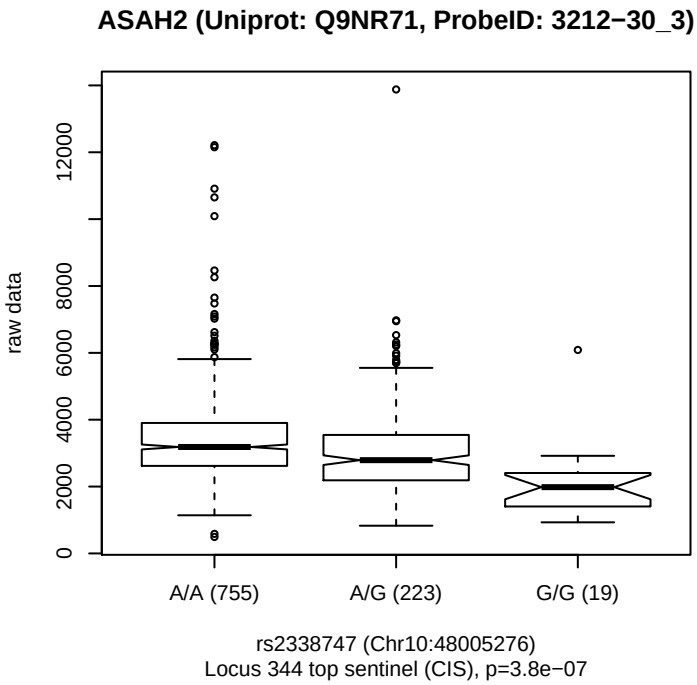

DKK3 (Uniprot: Q9UBP4, ProbeID: 3607−71_1)
Frequency
0
50
100
150
200
250
11.0
11.5
12.0
12.5
13.0
13.5
log2−scaled data
Dickkopf−related protein 3

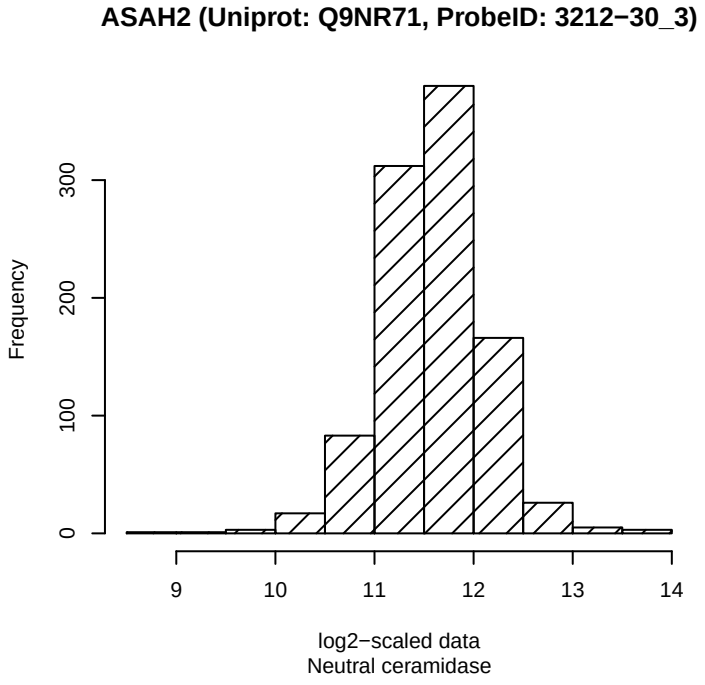

DKK3 (Uniprot: Q9UBP4, ProbeID: 3607−71_1)
log2−scaled data
11.5
12.0
12.5
13.0
13.5
G/G (517)
G/A (394)
A/A (81)
rs11022119 (Chr11:12050652)
Locus 343 top sentinel (CIS), p=1.3e−12, FC=1.0728

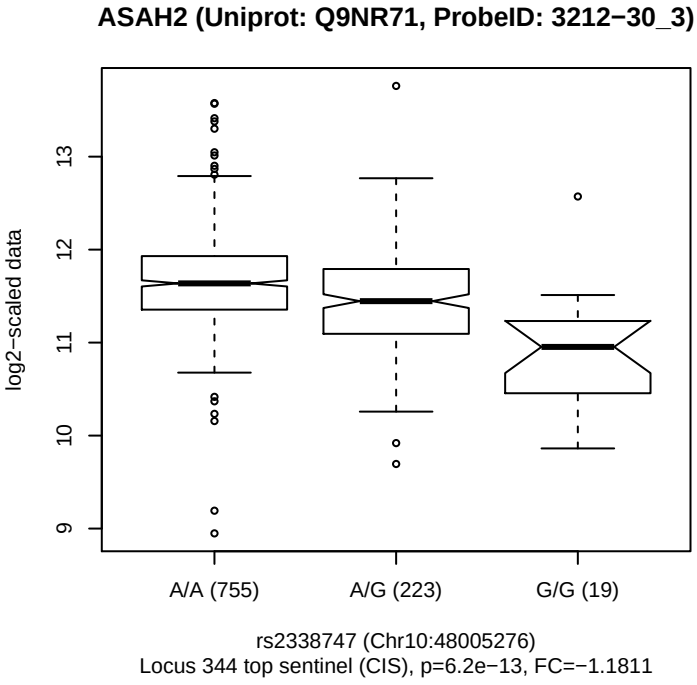

DKK3 (Uniprot: Q9UBP4, ProbeID: 3607−71_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Dickkopf−related protein 3

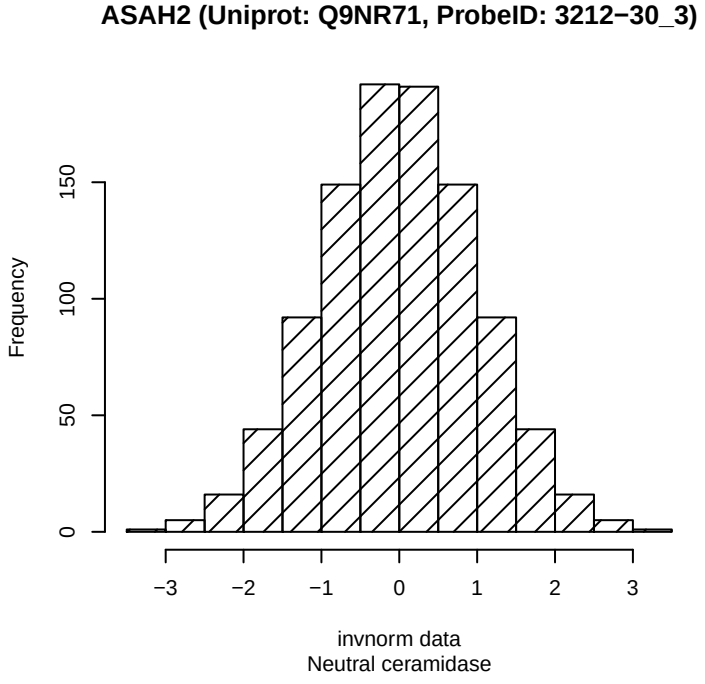

DKK3 (Uniprot: Q9UBP4, ProbeID: 3607−71_1)
invnorm data
−3
−2
−1
0
1
2
3
G/G (517)
G/A (394)
A/A (81)
rs11022119 (Chr11:12050652)
Locus 343 top sentinel (CIS), p=2.8e−13

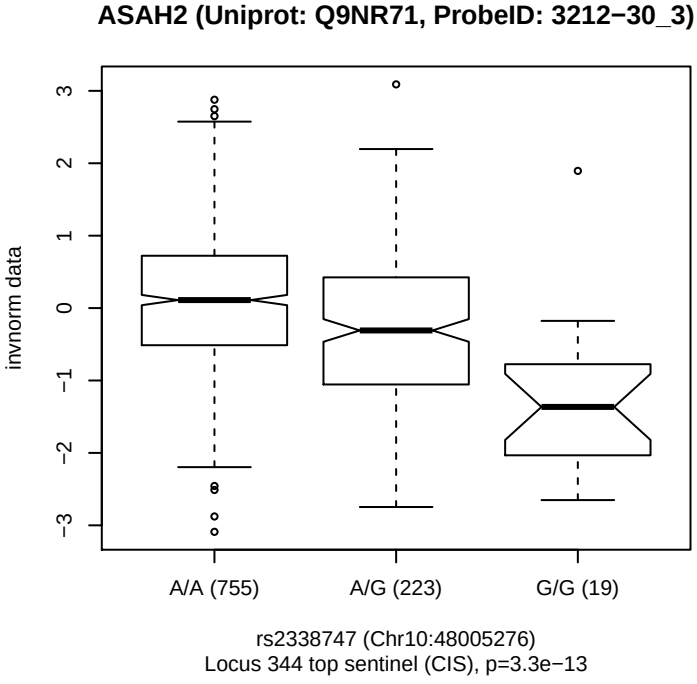

ASAH2 (Uniprot: Q9NR71, ProbeID: 3212−30_3)
Frequency
0
100
200
300
0
2000
4000
6000
8000
10000
12000
14000
raw data
Neutral ceramidase

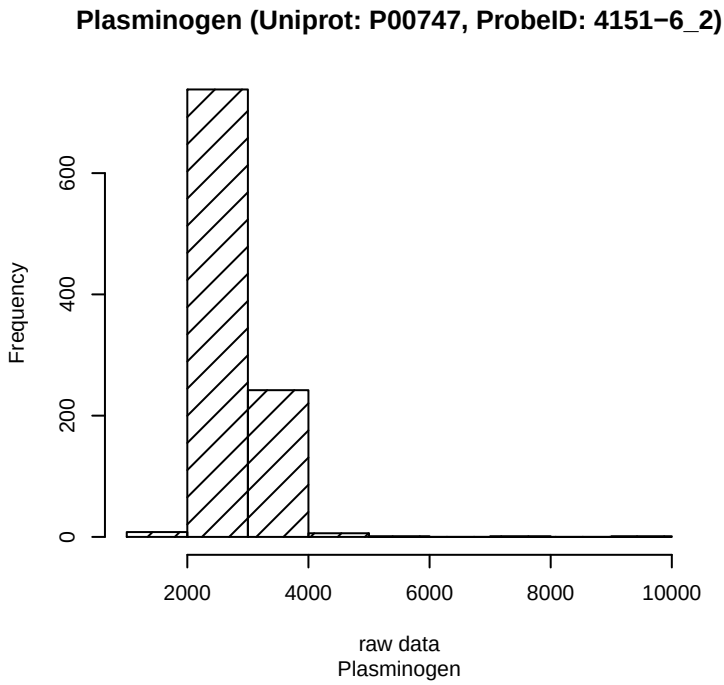

ASAH2 (Uniprot: Q9NR71, ProbeID: 3212−30_3)
raw data
0
2000
4000
6000
8000
12000
A/A (755)
A/G (223)
G/G (19)
rs2338747 (Chr10:48005276)
Locus 344 top sentinel (CIS), p=3.8e−07

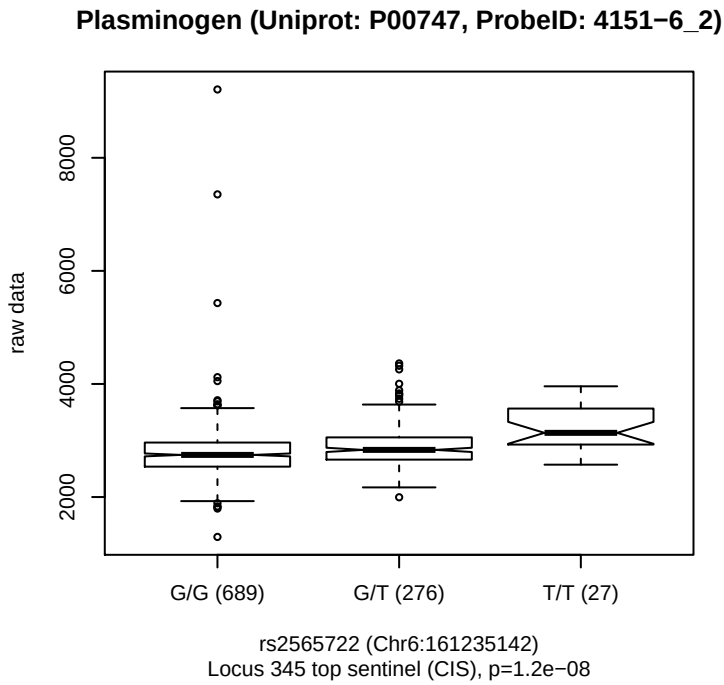

ASAH2 (Uniprot: Q9NR71, ProbeID: 3212−30_3)
Frequency
0
100
200
300
9
10
11
12
13
14
log2−scaled data
Neutral ceramidase

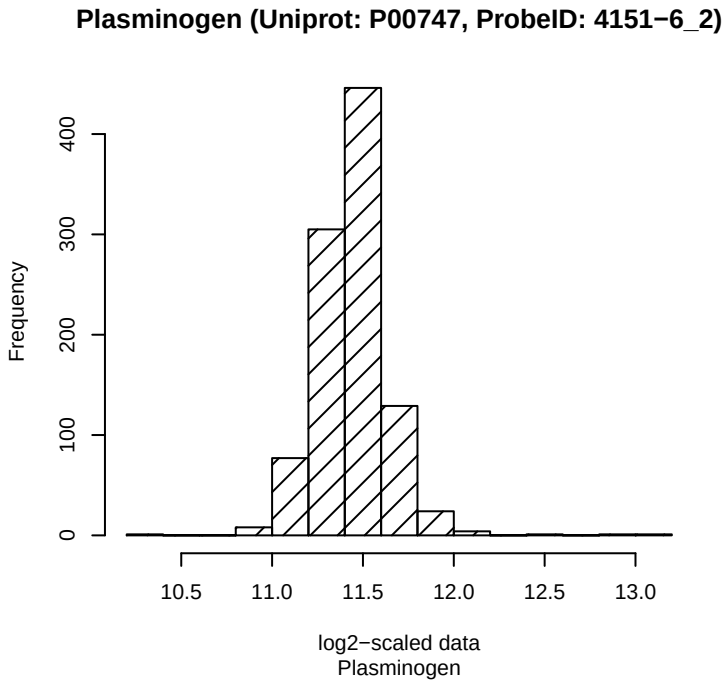

ASAH2 (Uniprot: Q9NR71, ProbeID: 3212−30_3)
log2−scaled data
9
10
11
12
13
A/A (755)
A/G (223)
G/G (19)
rs2338747 (Chr10:48005276)
Locus 344 top sentinel (CIS), p=6.2e−13, FC=−1.1811

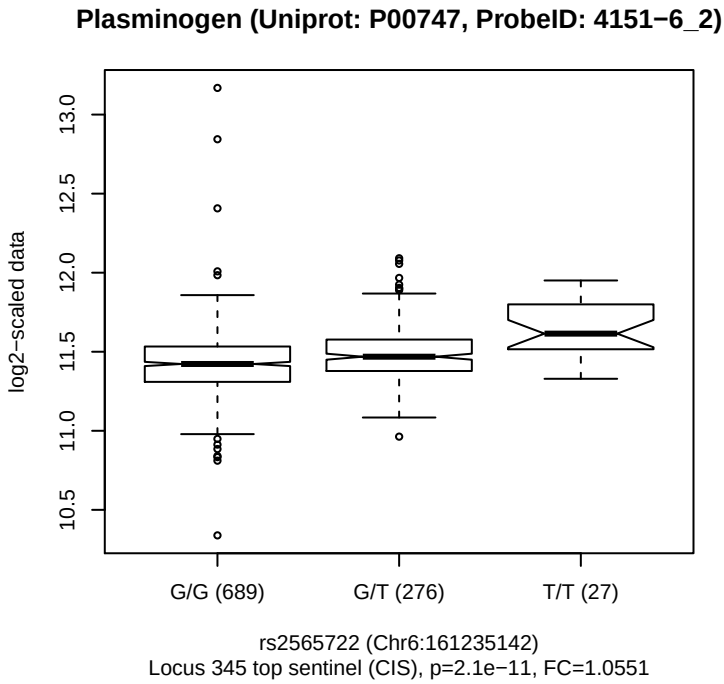

ASAH2 (Uniprot: Q9NR71, ProbeID: 3212−30_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Neutral ceramidase

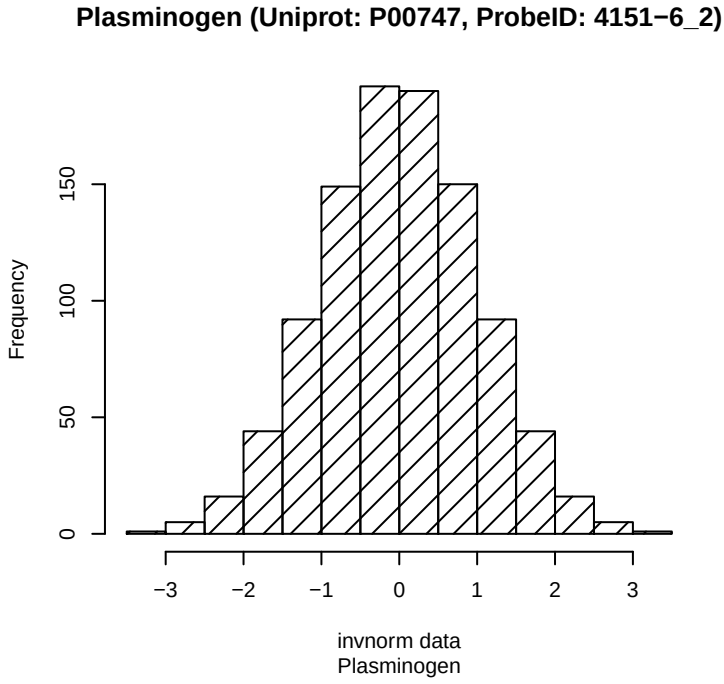

ASAH2 (Uniprot: Q9NR71, ProbeID: 3212−30_3)
invnorm data
−3
−2
−1
0
1
2
3
A/A (755)
A/G (223)
G/G (19)
rs2338747 (Chr10:48005276)
Locus 344 top sentinel (CIS), p=3.3e−13

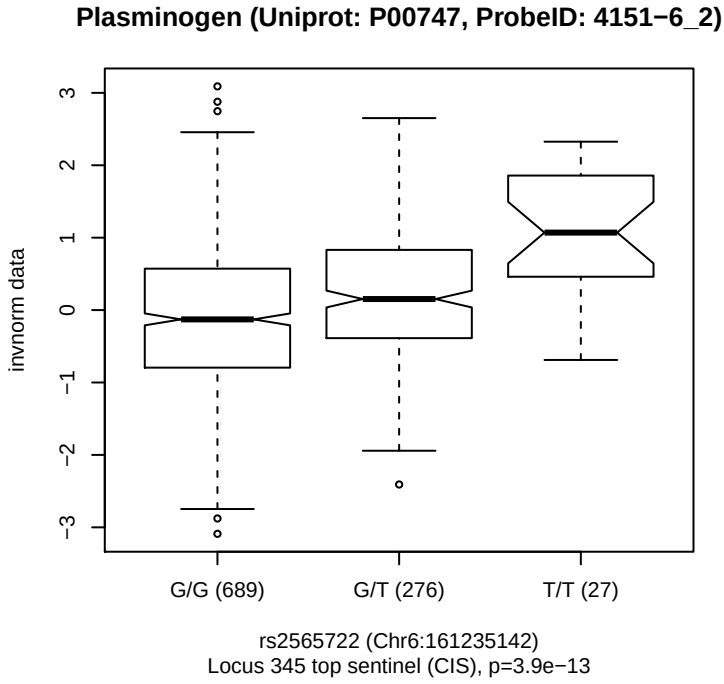

Plasminogen (Uniprot: P00747, ProbeID: 4151−6_2)
Frequency
0
200
400
600
2000
4000
6000
8000
10000
raw data
Plasminogen

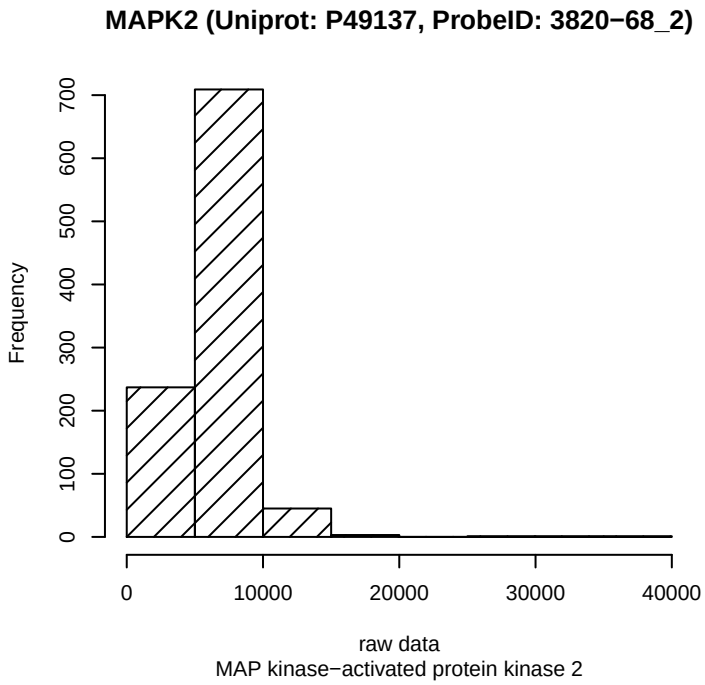

Plasminogen (Uniprot: P00747, ProbeID: 4151−6_2)
raw data
2000
4000
6000
8000
G/G (689)
G/T (276)
T/T (27)
rs2565722 (Chr6:161235142)
Locus 345 top sentinel (CIS), p=1.2e−08

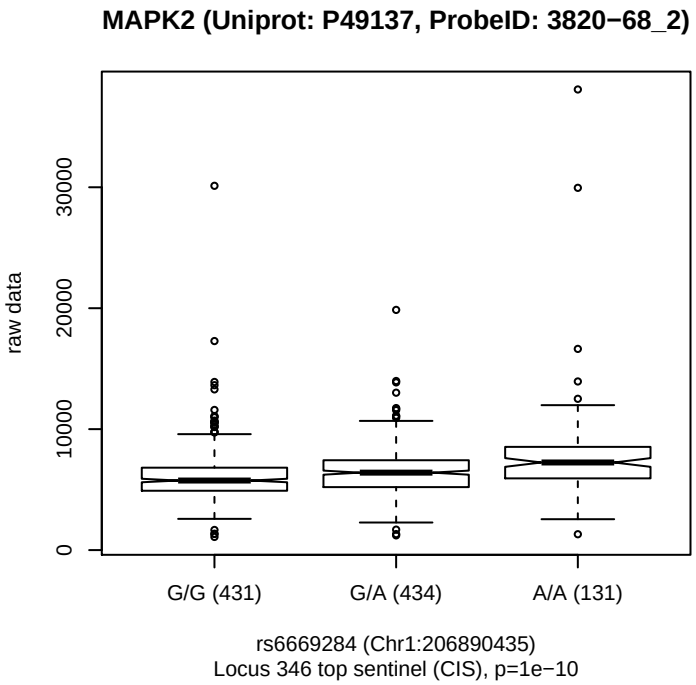

Plasminogen (Uniprot: P00747, ProbeID: 4151−6_2)
Frequency
0
100
200
300
400
10.5
11.0
11.5
12.0
12.5
13.0
log2−scaled data
Plasminogen

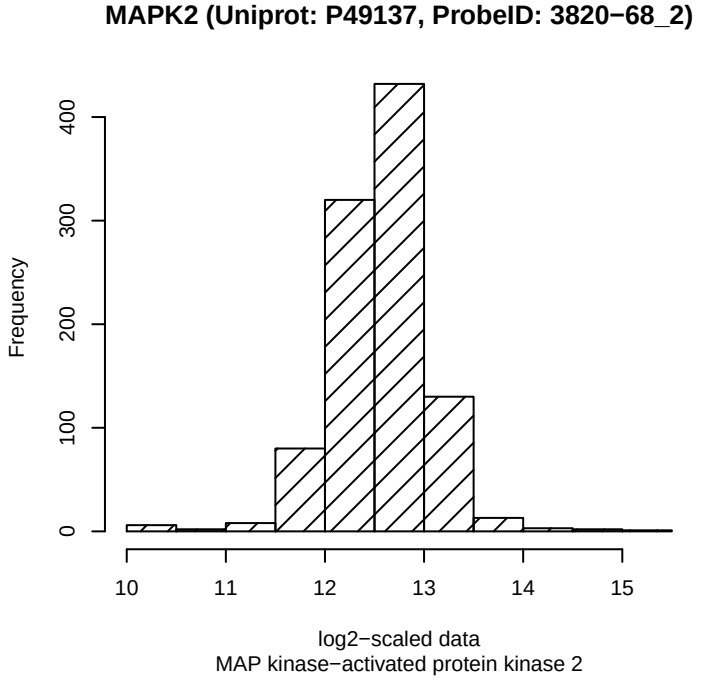

Plasminogen (Uniprot: P00747, ProbeID: 4151−6_2)
log2−scaled data
10.5
11.0
11.5
12.0
12.5
13.0
G/G (689)
G/T (276)
T/T (27)
rs2565722 (Chr6:161235142)
Locus 345 top sentinel (CIS), p=2.1e−11, FC=1.0551

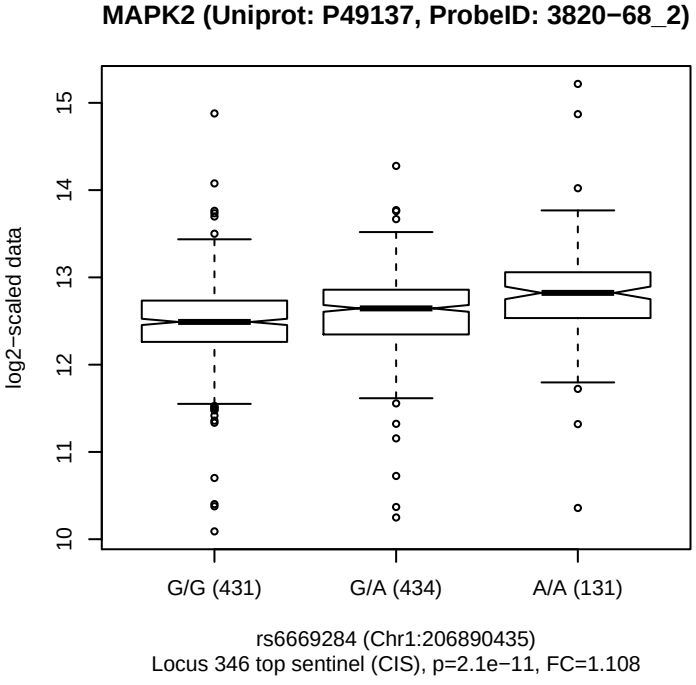

Plasminogen (Uniprot: P00747, ProbeID: 4151−6_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Plasminogen

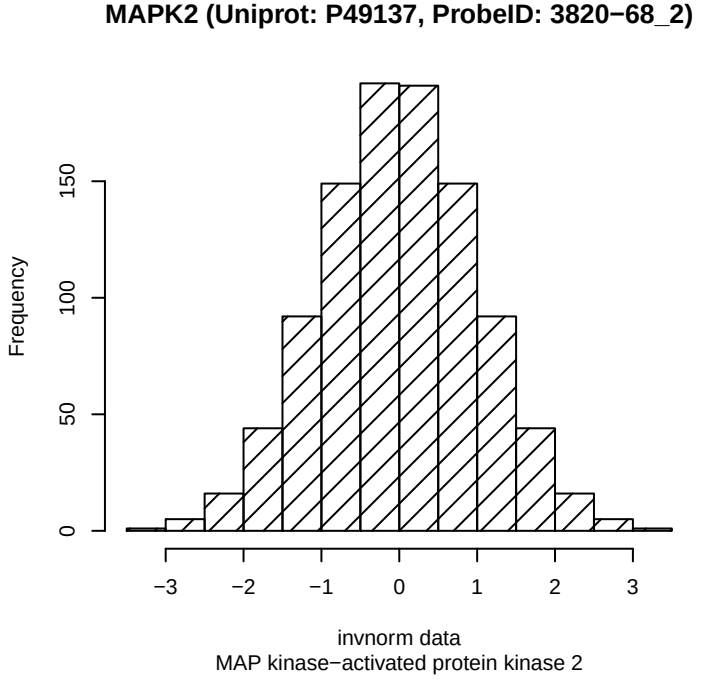

Plasminogen (Uniprot: P00747, ProbeID: 4151−6_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (689)
G/T (276)
T/T (27)
rs2565722 (Chr6:161235142)
Locus 345 top sentinel (CIS), p=3.9e−13

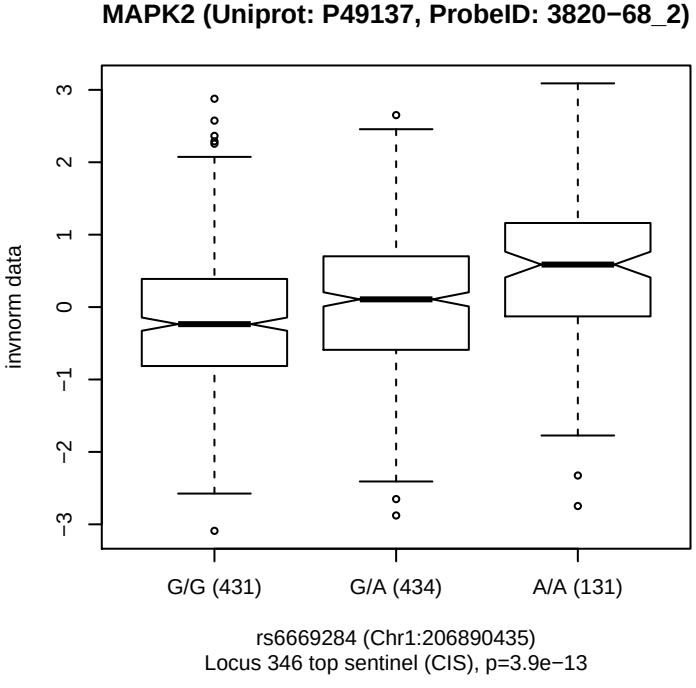

MAPK2 (Uniprot: P49137, ProbeID: 3820−68_2)
Frequency
0
100
200
300
400
500
600
700
0
10000
20000
30000
40000
raw data
MAP kinase−activated protein kinase 2

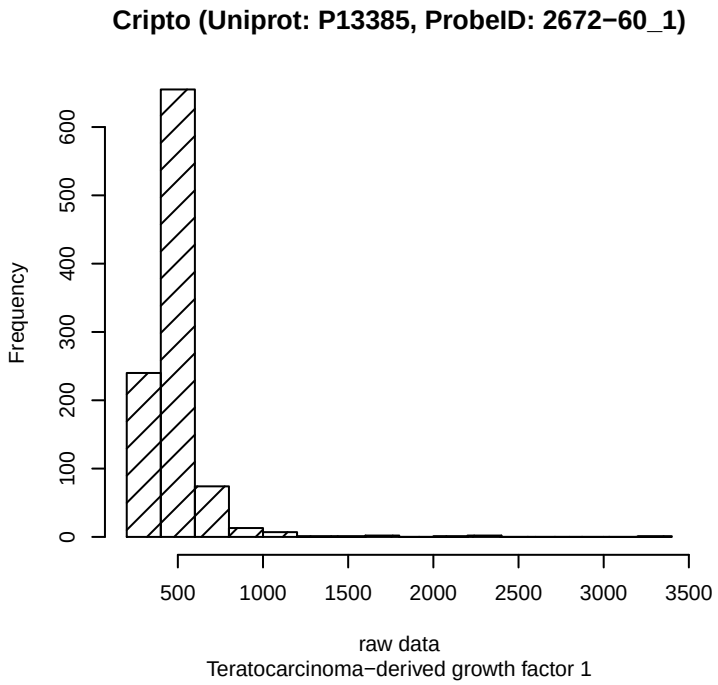

MAPK2 (Uniprot: P49137, ProbeID: 3820−68_2)
raw data
0
10000
20000
30000
G/G (431)
G/A (434)
A/A (131)
rs6669284 (Chr1:206890435)
Locus 346 top sentinel (CIS), p=1e−10

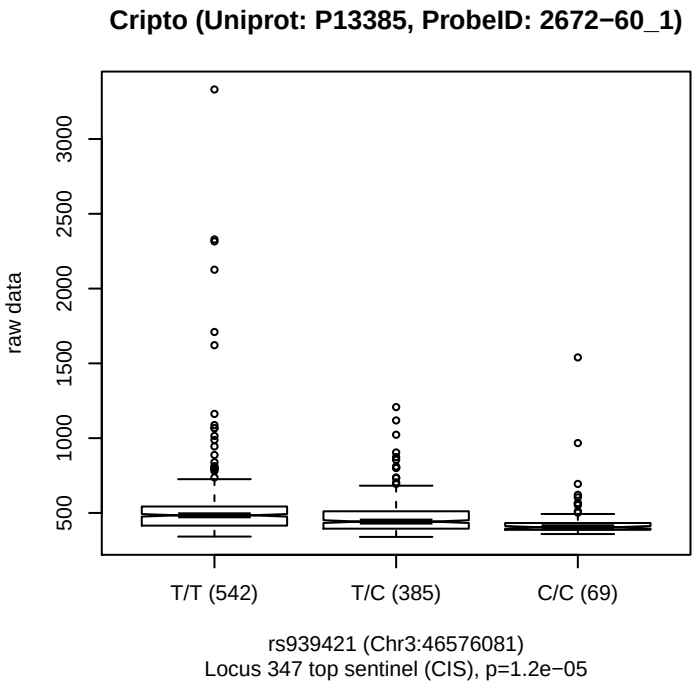

MAPK2 (Uniprot: P49137, ProbeID: 3820−68_2)
Frequency
0
100
200
300
400
10
11
12
13
14
15
log2−scaled data
MAP kinase−activated protein kinase 2

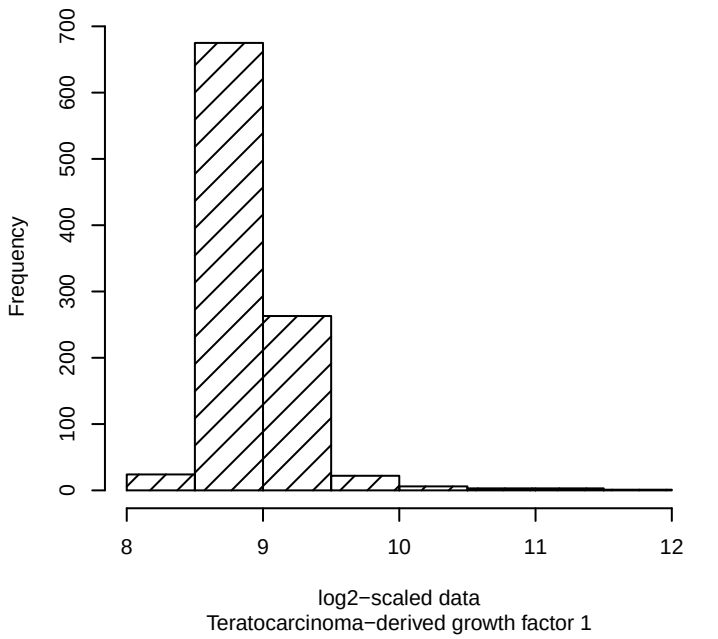

MAPK2 (Uniprot: P49137, ProbeID: 3820−68_2)
log2−scaled data
10
11
12
13
14
15
G/G (431)
G/A (434)
A/A (131)
rs6669284 (Chr1:206890435)
Locus 346 top sentinel (CIS), p=2.1e−11, FC=1.108

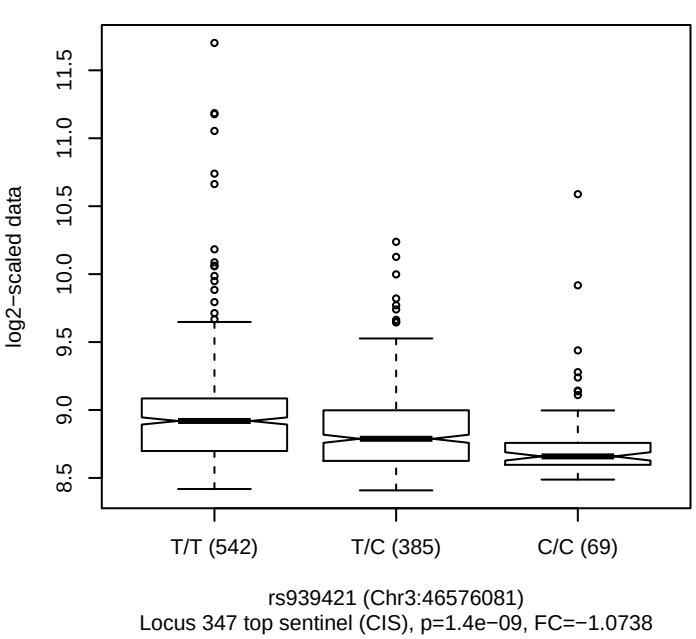

MAPK2 (Uniprot: P49137, ProbeID: 3820−68_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
MAP kinase−activated protein kinase 2

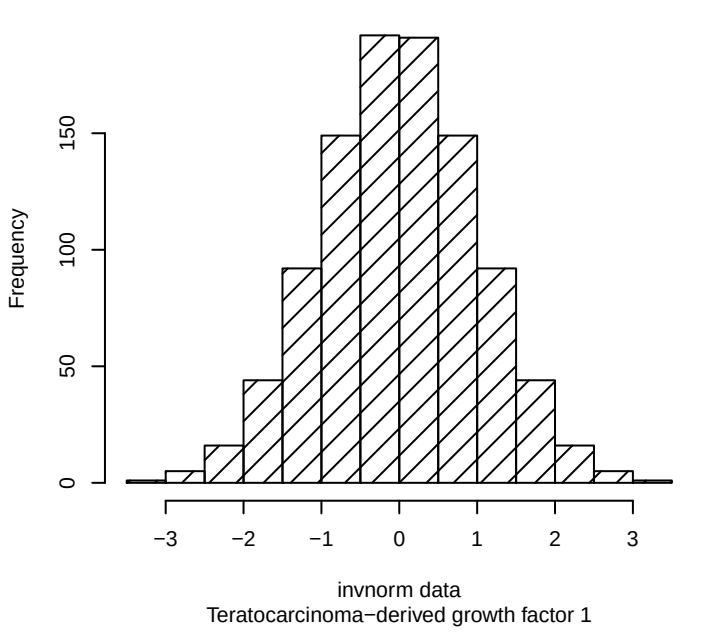

MAPK2 (Uniprot: P49137, ProbeID: 3820−68_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (431)
G/A (434)
A/A (131)
rs6669284 (Chr1:206890435)
Locus 346 top sentinel (CIS), p=3.9e−13

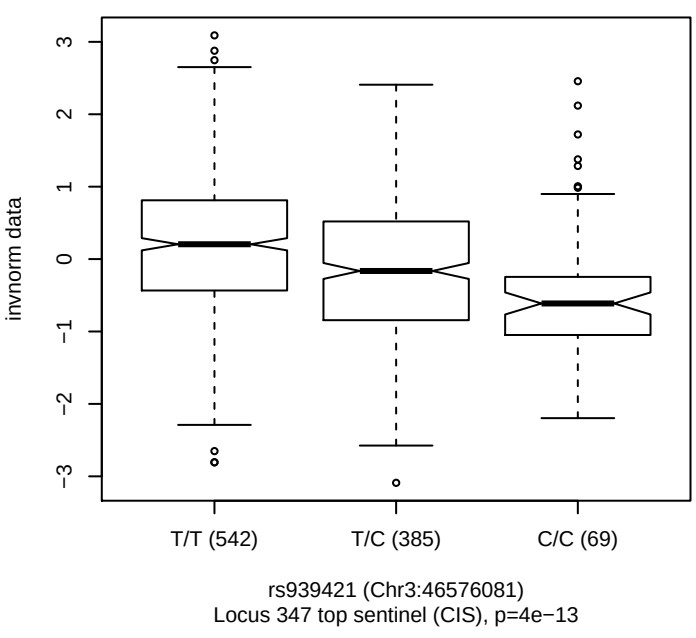

Cripto (Uniprot: P13385, ProbeID: 2672−60_1)
Frequency
0
100
200
300
400
500
600
500
1000
1500
2000
2500
3000
3500
raw data
Teratocarcinoma−derived growth factor 1

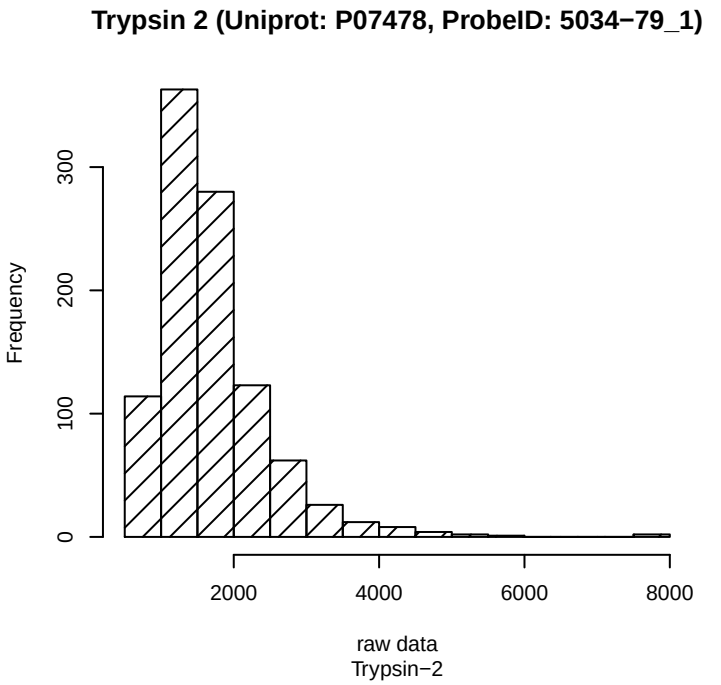

Cripto (Uniprot: P13385, ProbeID: 2672−60_1)
raw data
500
1000
1500
2000
2500
3000
T/T (542)
T/C (385)
C/C (69)
rs939421 (Chr3:46576081)
Locus 347 top sentinel (CIS), p=1.2e−05

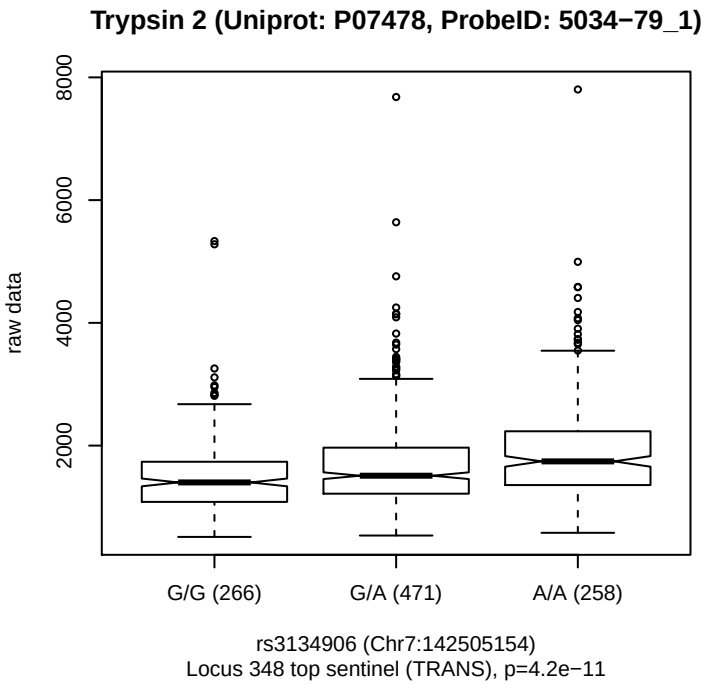

Cripto (Uniprot: P13385, ProbeID: 2672−60_1)
Frequency
0
100
200
300
400
500
600
700
8
9
10
11
12
log2−scaled data
Teratocarcinoma−derived growth factor 1

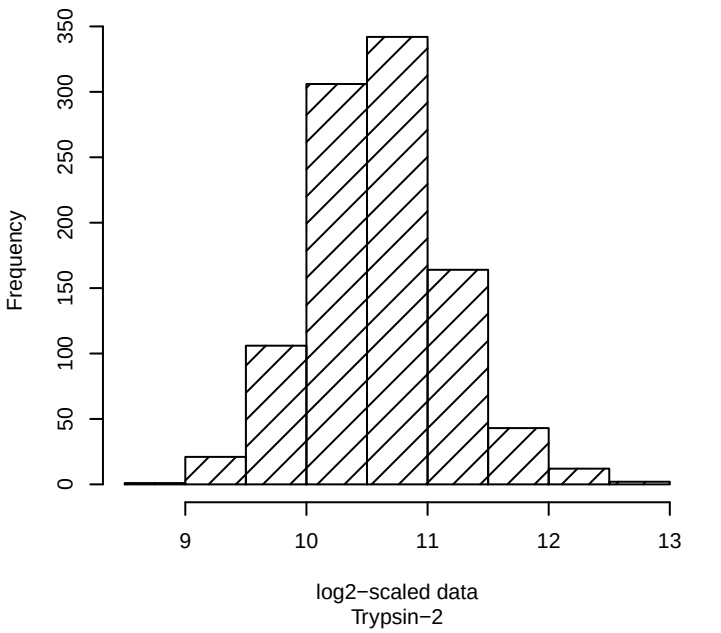

Cripto (Uniprot: P13385, ProbeID: 2672−60_1)
log2−scaled data
8.5
9.0
9.5
10.0
10.5
11.0
11.5
T/T (542)
T/C (385)
C/C (69)
rs939421 (Chr3:46576081)
Locus 347 top sentinel (CIS), p=1.4e−09, FC=−1.0738

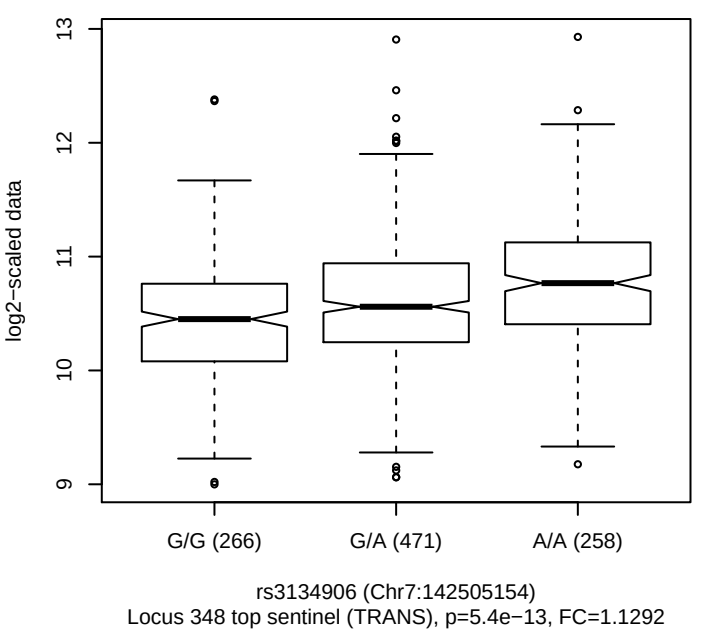

Cripto (Uniprot: P13385, ProbeID: 2672−60_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Teratocarcinoma−derived growth factor 1

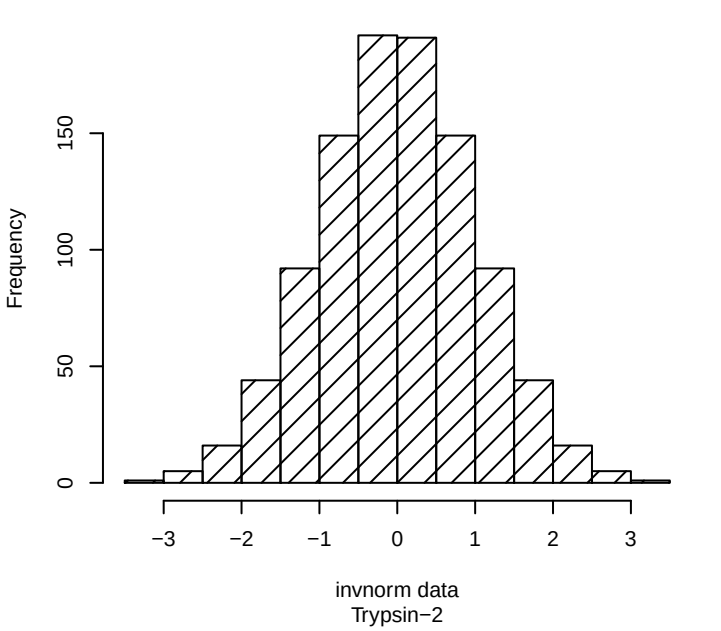

Cripto (Uniprot: P13385, ProbeID: 2672−60_1)
invnorm data
−3
−2
−1
0
1
2
3
T/T (542)
T/C (385)
C/C (69)
rs939421 (Chr3:46576081)
Locus 347 top sentinel (CIS), p=4e−13

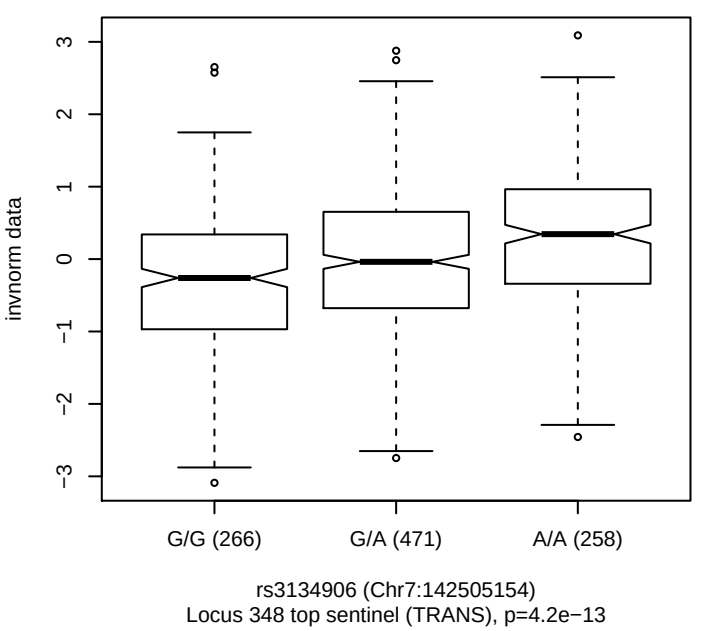

Trypsin 2 (Uniprot: P07478, ProbeID: 5034−79_1)
Frequency
0
100
200
300
2000
4000
6000
8000
raw data
Trypsin−2

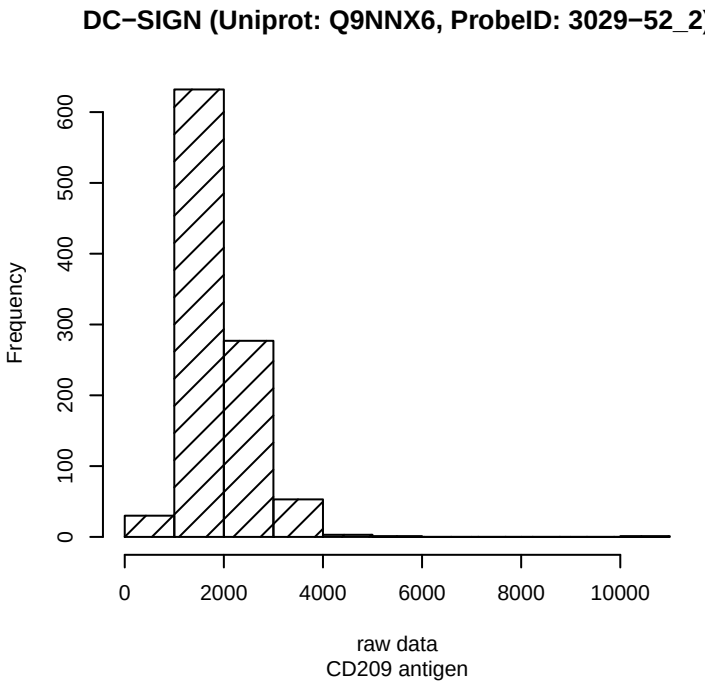

Trypsin 2 (Uniprot: P07478, ProbeID: 5034−79_1)
raw data
2000
4000
6000
8000
G/G (266)
G/A (471)
A/A (258)
rs3134906 (Chr7:142505154)
Locus 348 top sentinel (TRANS), p=4.2e−11

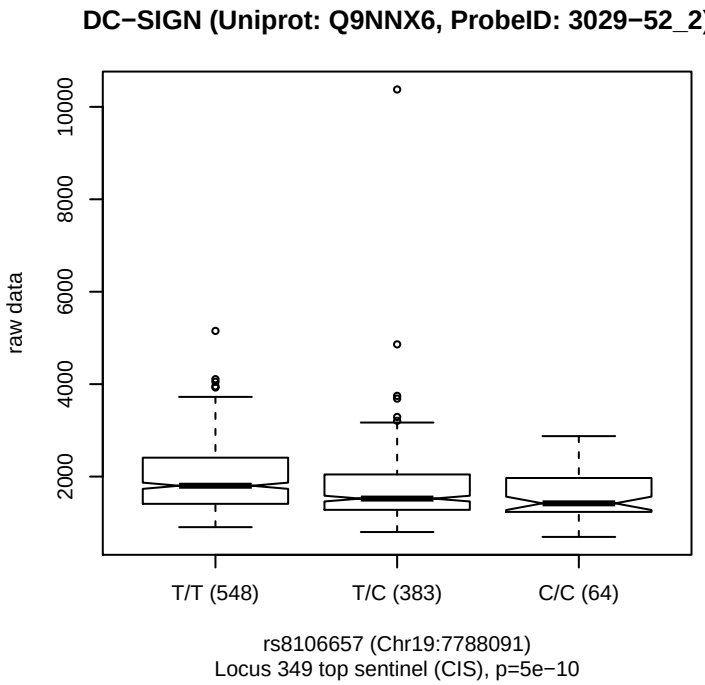

Trypsin 2 (Uniprot: P07478, ProbeID: 5034−79_1)
Frequency
0
50
100
150
200
250
300
350
9
10
11
12
13
log2−scaled data
Trypsin−2

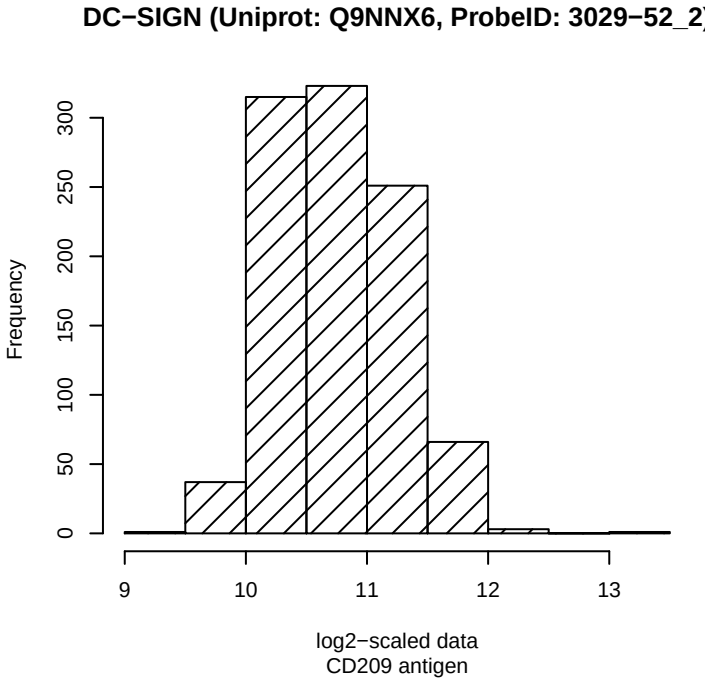

Trypsin 2 (Uniprot: P07478, ProbeID: 5034−79_1)
log2−scaled data
9
10
11
12
13
G/G (266)
G/A (471)
A/A (258)
rs3134906 (Chr7:142505154)
Locus 348 top sentinel (TRANS), p=5.4e−13, FC=1.1292

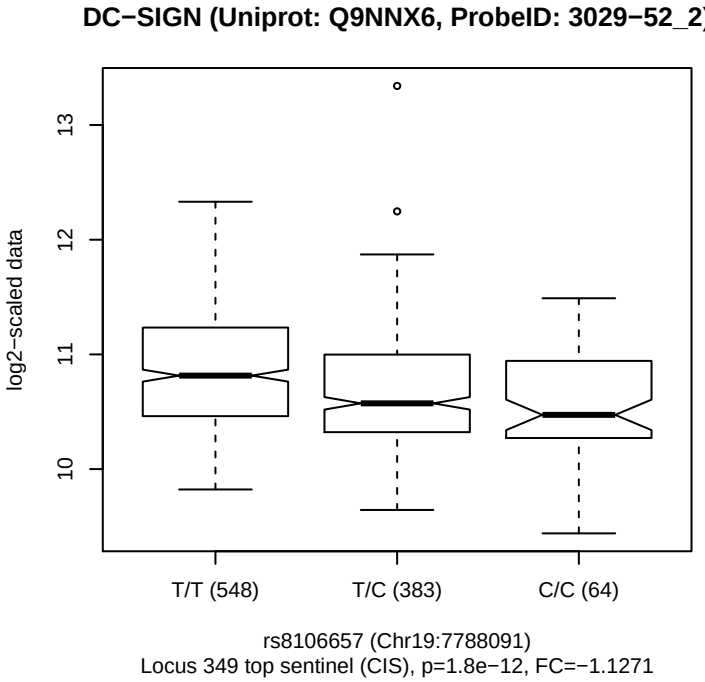

Trypsin 2 (Uniprot: P07478, ProbeID: 5034−79_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Trypsin−2

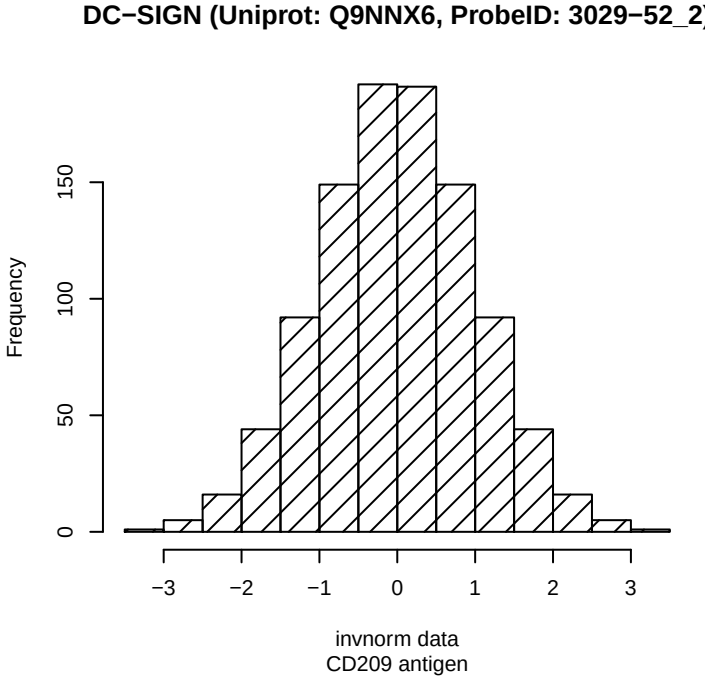

Trypsin 2 (Uniprot: P07478, ProbeID: 5034−79_1)
invnorm data
−3
−2
−1
0
1
2
3
G/G (266)
G/A (471)
A/A (258)
rs3134906 (Chr7:142505154)
Locus 348 top sentinel (TRANS), p=4.2e−13

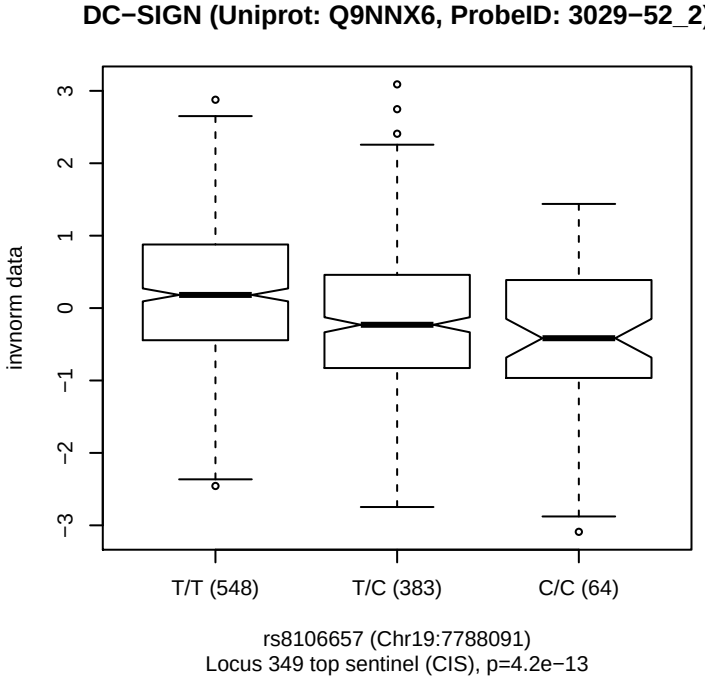

DC−SIGN (Uniprot: Q9NNX6, ProbeID: 3029−52_2)
Frequency
0
100
200
300
400
500
600
0
2000
4000
6000
8000
10000
raw data
CD209 antigen

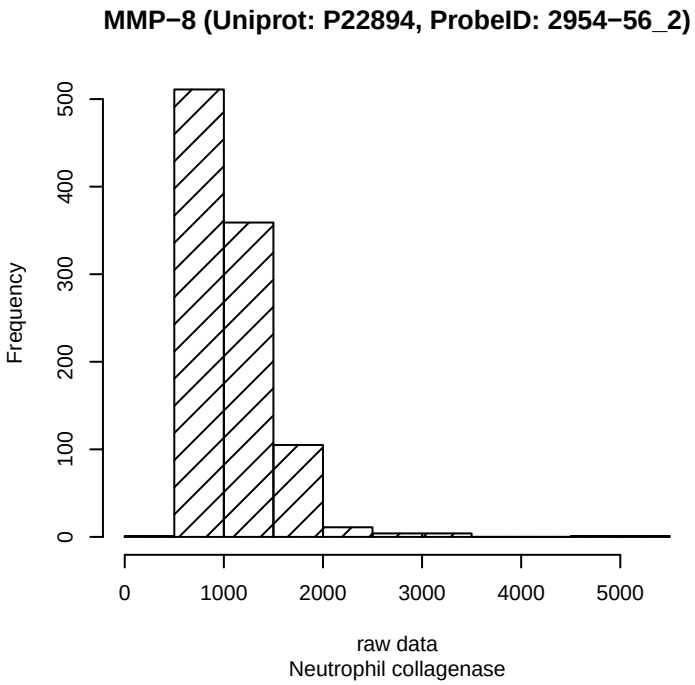

DC−SIGN (Uniprot: Q9NNX6, ProbeID: 3029−52_2)
raw data
2000
4000
6000
8000
10000
T/T (548)
T/C (383)
C/C (64)
rs8106657 (Chr19:7788091)
Locus 349 top sentinel (CIS), p=5e−10

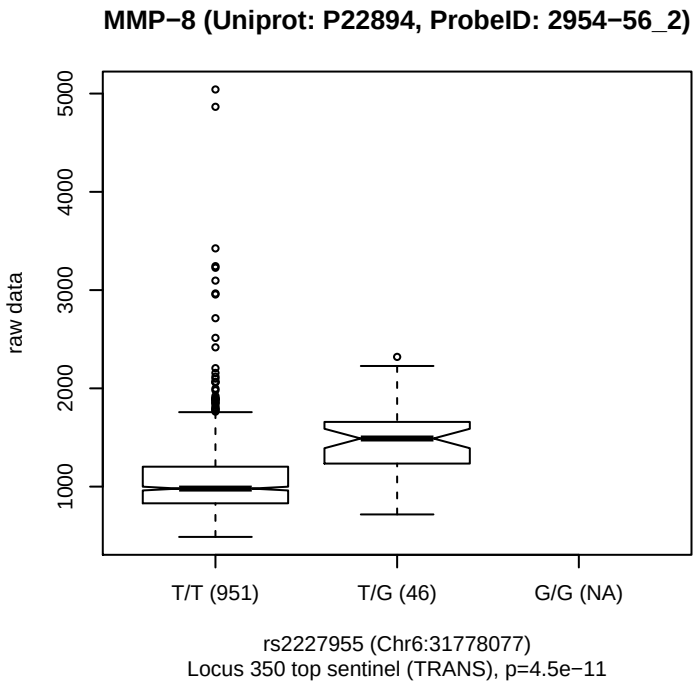

DC−SIGN (Uniprot: Q9NNX6, ProbeID: 3029−52_2)
Frequency
0
50
100
150
200
250
300
9
10
11
12
13
log2−scaled data
CD209 antigen

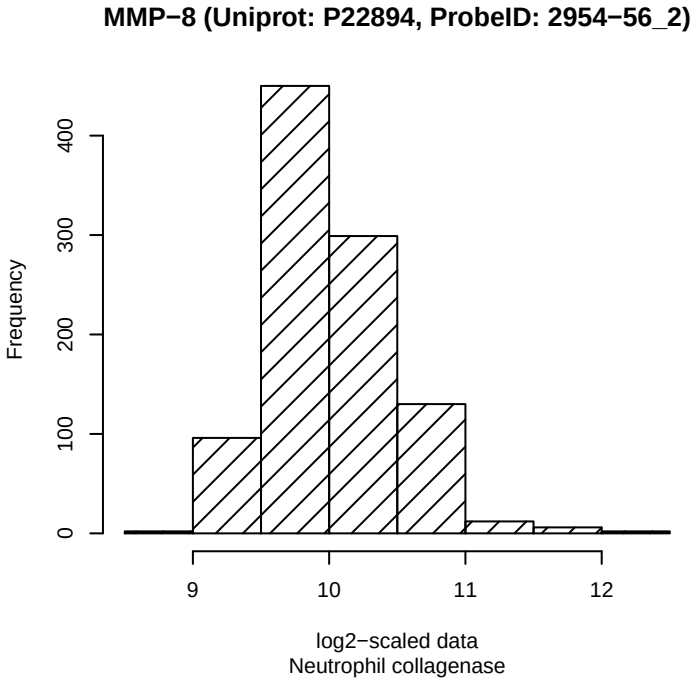

DC−SIGN (Uniprot: Q9NNX6, ProbeID: 3029−52_2)
log2−scaled data
10
11
12
13
T/T (548)
T/C (383)
C/C (64)
rs8106657 (Chr19:7788091)
Locus 349 top sentinel (CIS), p=1.8e−12, FC=−1.1271

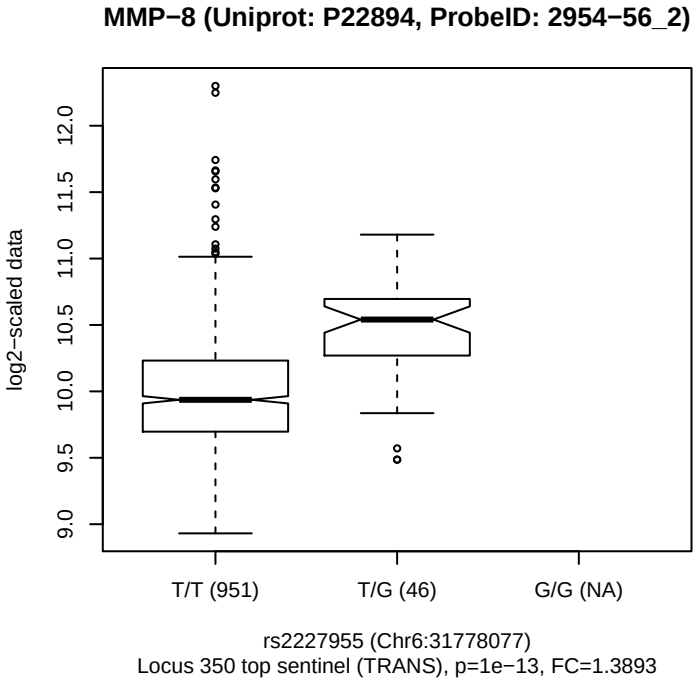

DC−SIGN (Uniprot: Q9NNX6, ProbeID: 3029−52_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
CD209 antigen

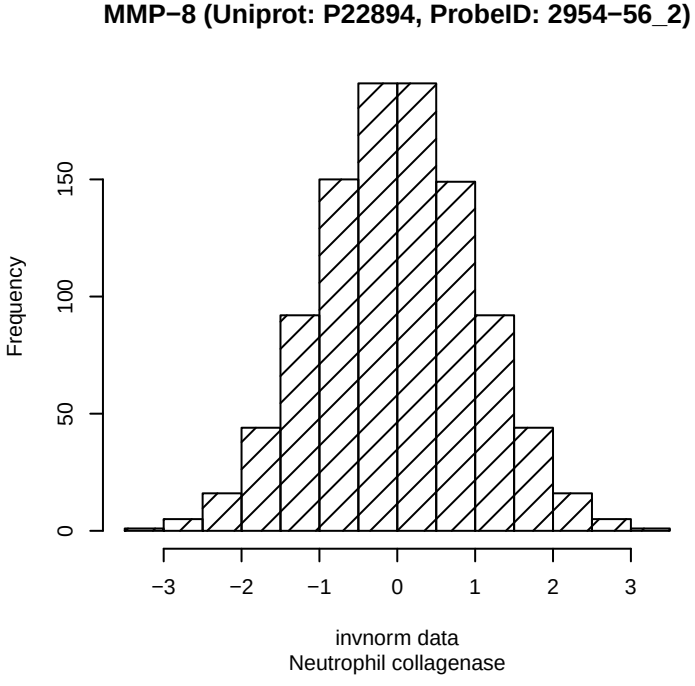

DC−SIGN (Uniprot: Q9NNX6, ProbeID: 3029−52_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (548)
T/C (383)
C/C (64)
rs8106657 (Chr19:7788091)
Locus 349 top sentinel (CIS), p=4.2e−13

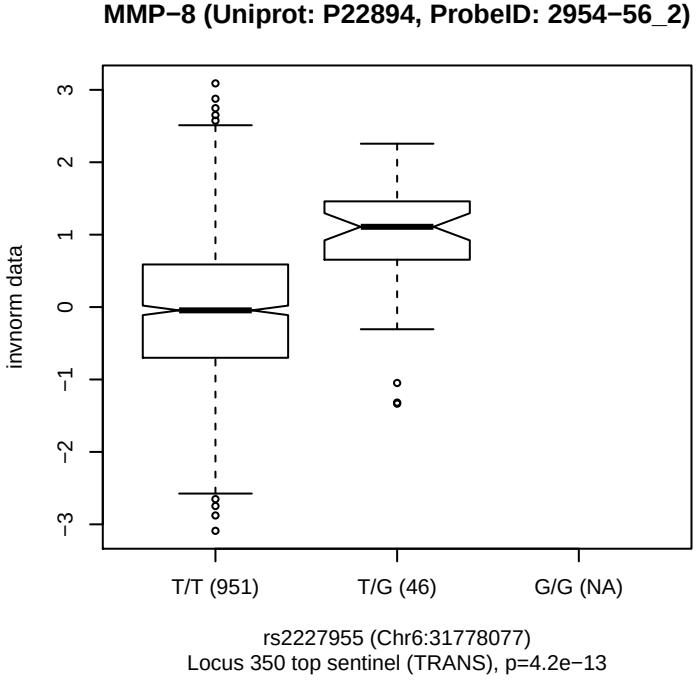

MMP−8 (Uniprot: P22894, ProbeID: 2954−56_2)
Frequency
0
100
200
300
400
500
0
1000
2000
3000
4000
5000
raw data
Neutrophil collagenase


MMP−8 (Uniprot: P22894, ProbeID: 2954−56_2)
raw data
1000
2000
3000
4000
5000
T/T (951)
T/G (46)
G/G (NA)
rs2227955 (Chr6:31778077)
Locus 350 top sentinel (TRANS), p=4.5e−11

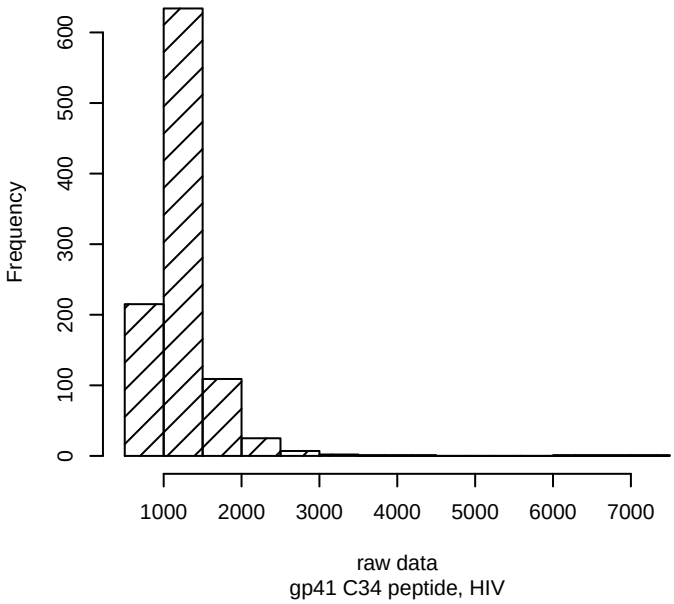

MMP−8 (Uniprot: P22894, ProbeID: 2954−56_2)
Frequency
0
100
200
300
400
9
10
11
12
log2−scaled data
Neutrophil collagenase


MMP−8 (Uniprot: P22894, ProbeID: 2954−56_2)
log2−scaled data
9.0
9.5
10.0
10.5
11.0
11.5
12.0
T/T (951)
T/G (46)
G/G (NA)
rs2227955 (Chr6:31778077)
Locus 350 top sentinel (TRANS), p=1e−13, FC=1.3893

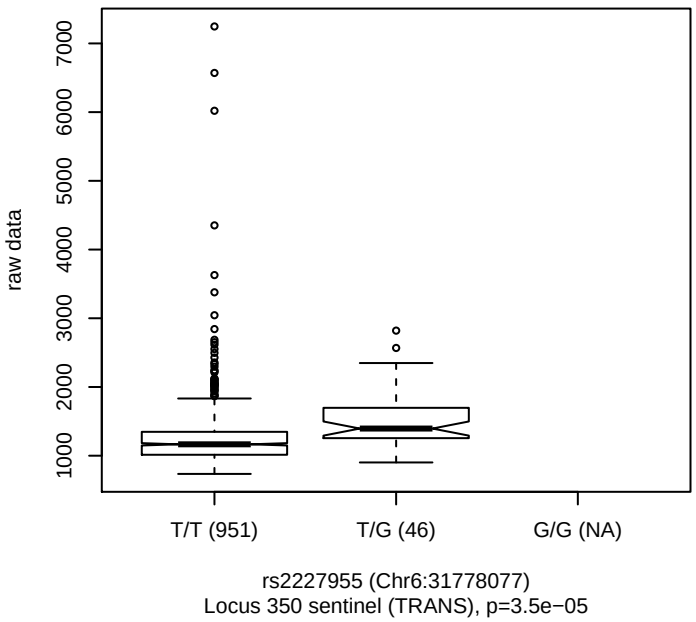

MMP−8 (Uniprot: P22894, ProbeID: 2954−56_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Neutrophil collagenase


MMP−8 (Uniprot: P22894, ProbeID: 2954−56_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (951)
T/G (46)
G/G (NA)
rs2227955 (Chr6:31778077)
Locus 350 top sentinel (TRANS), p=4.2e−13

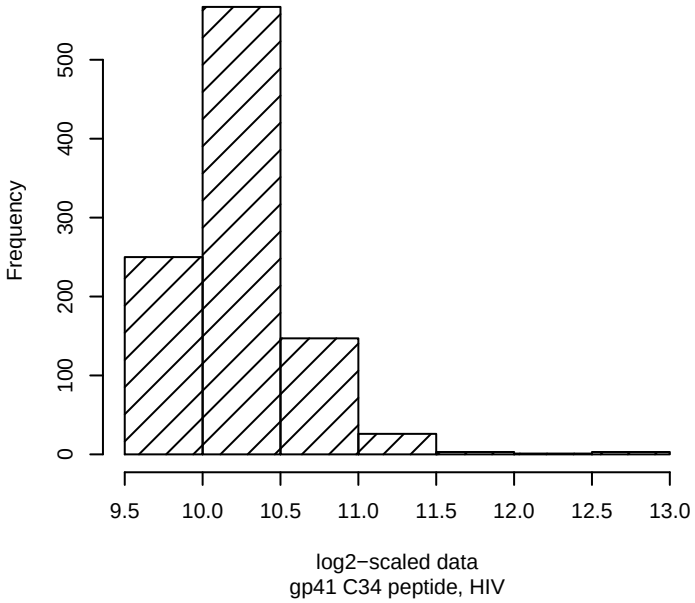
**C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5**



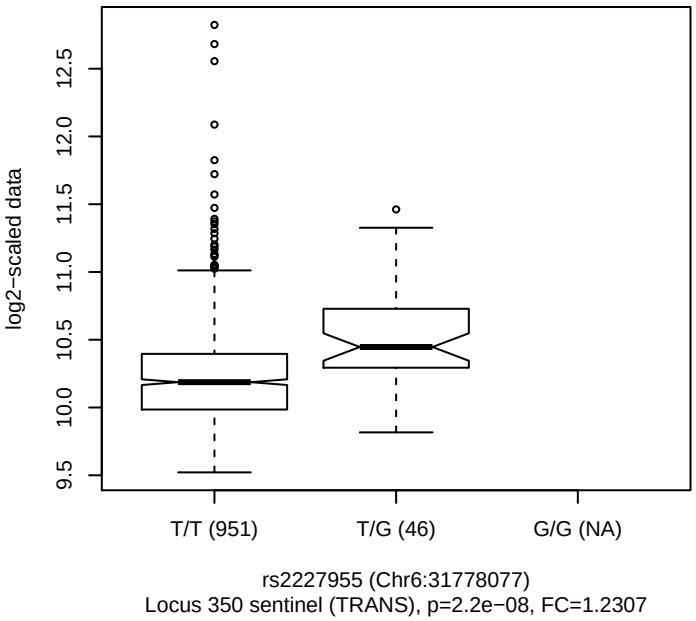

**C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5**



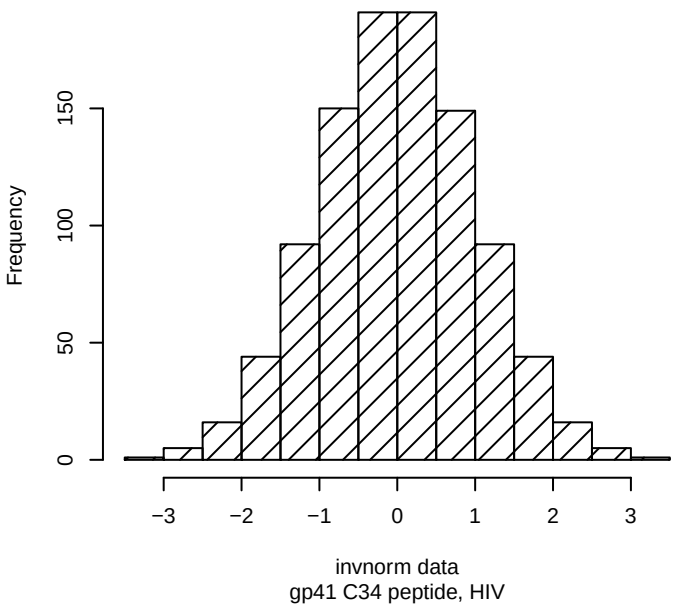

**C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5**



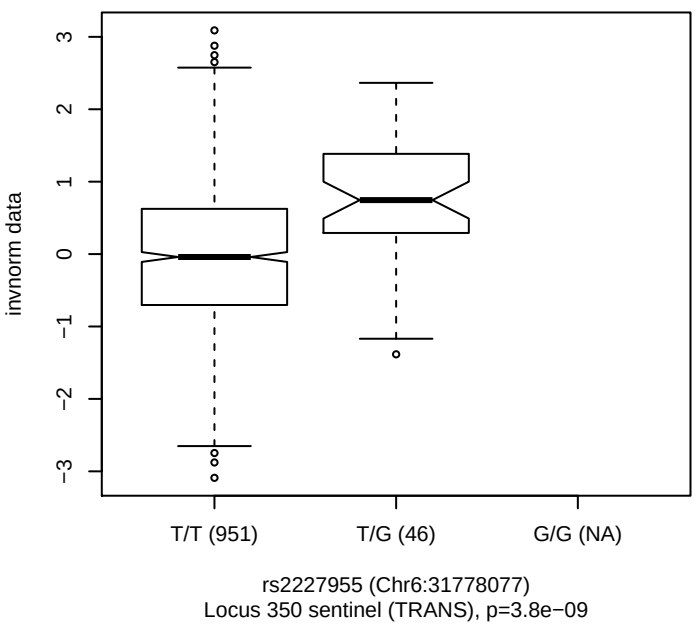

**C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5**

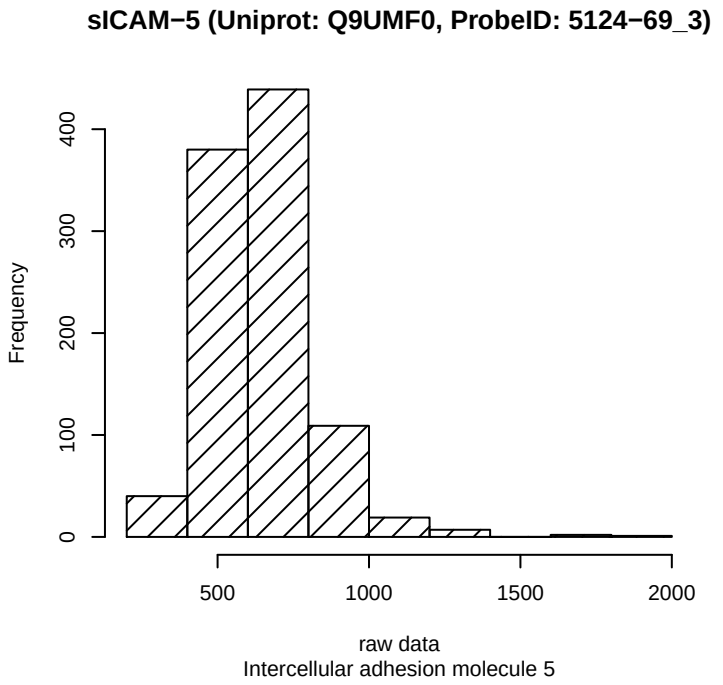


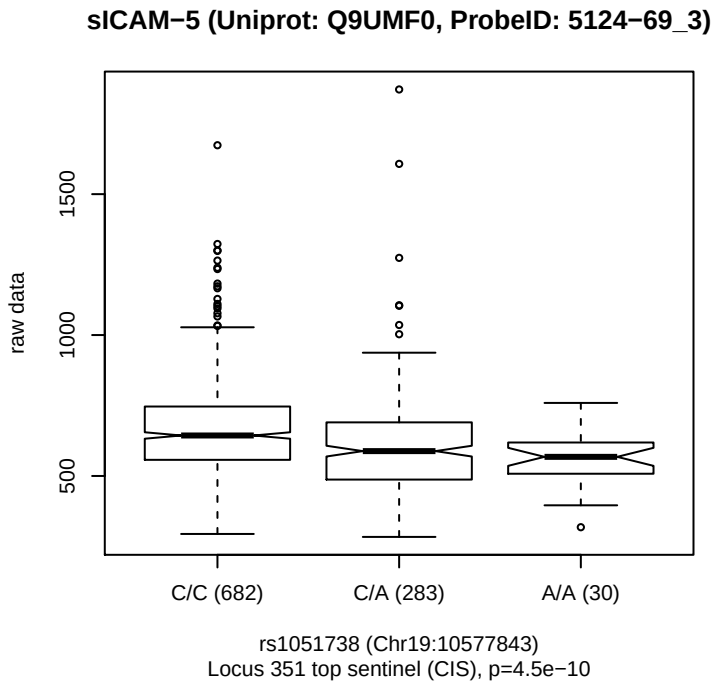

**C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5**

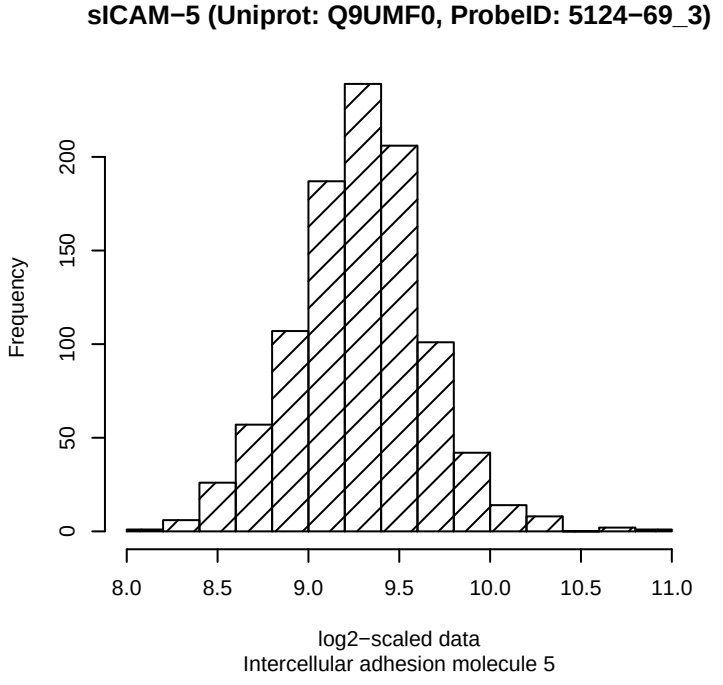


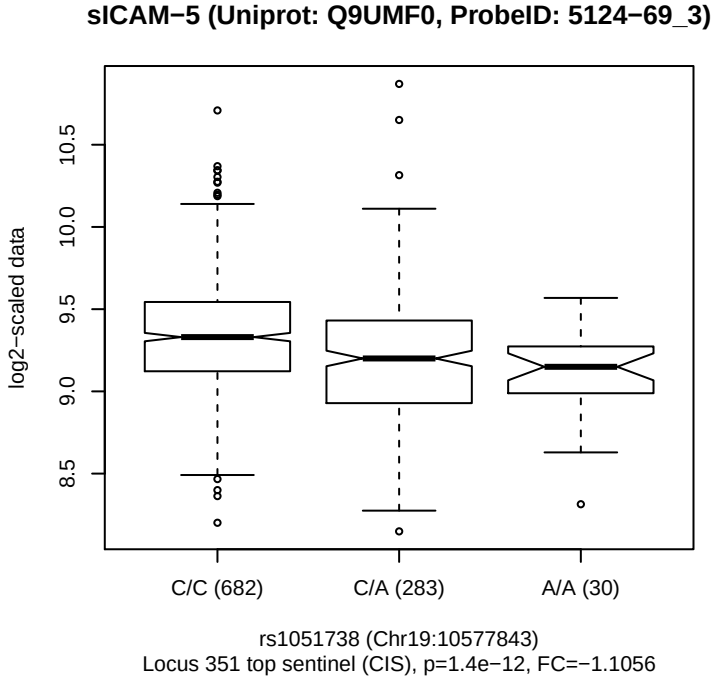

**C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5**

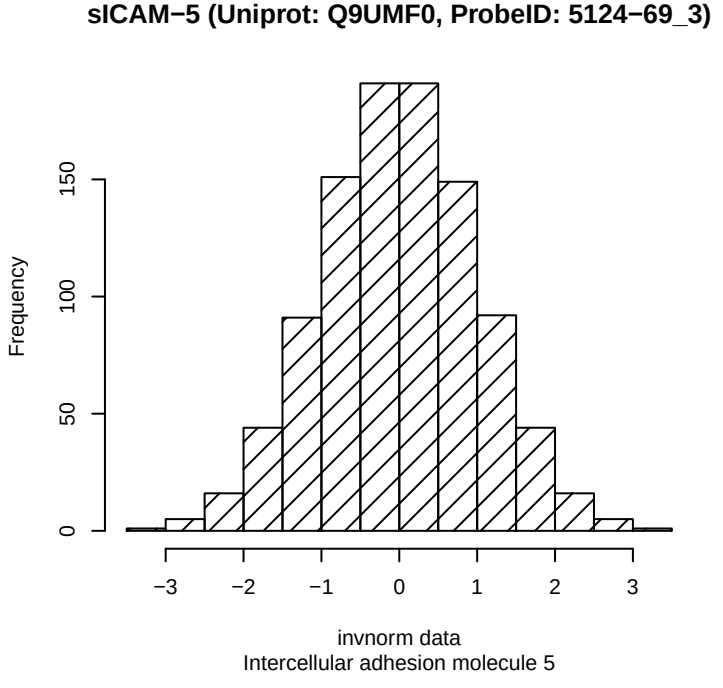


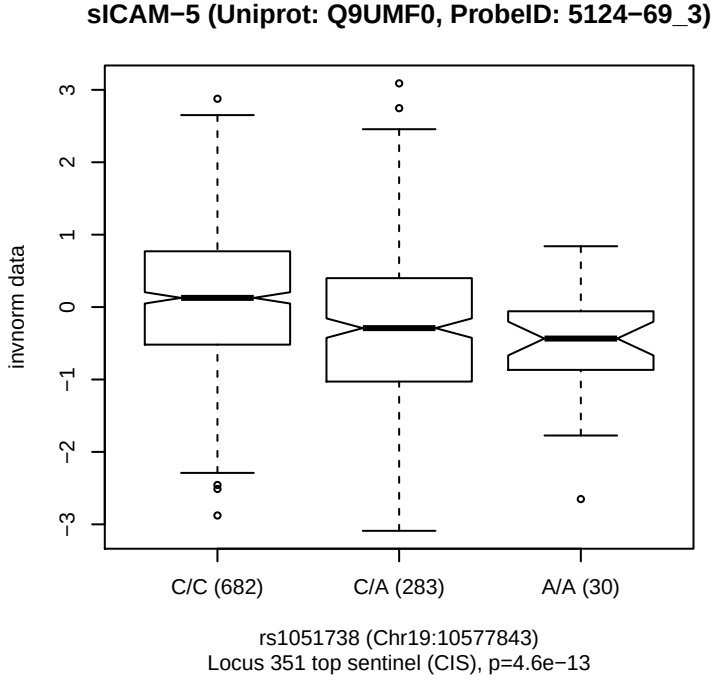

sICAM−5 (Uniprot: Q9UMF0, ProbeID: 5124−69_3)
Frequency
0
100
200
300
400
500
1000
1500
2000
raw data
Intercellular adhesion molecule 5

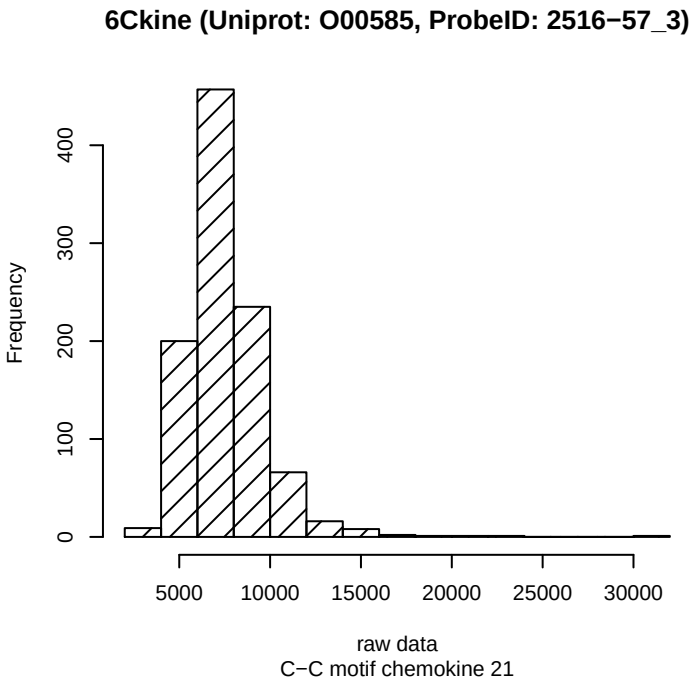

sICAM−5 (Uniprot: Q9UMF0, ProbeID: 5124−69_3)
raw data
500
1000
1500
C/C (682)
C/A (283)
A/A (30)
rs1051738 (Chr19:10577843)
Locus 351 top sentinel (CIS), p=4.5e−10

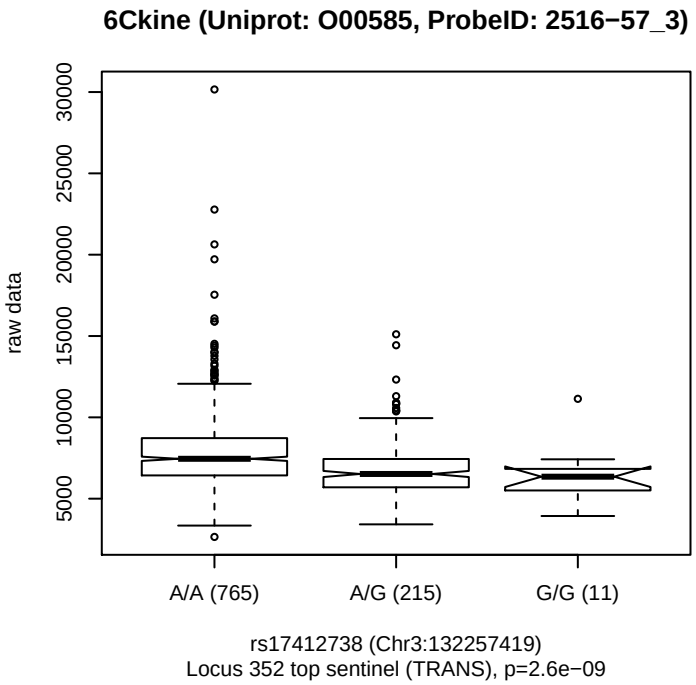

sICAM−5 (Uniprot: Q9UMF0, ProbeID: 5124−69_3)
Frequency
0
50
100
150
200
8.0
8.5
9.0
9.5
10.0
10.5
11.0
log2−scaled data
Intercellular adhesion molecule 5

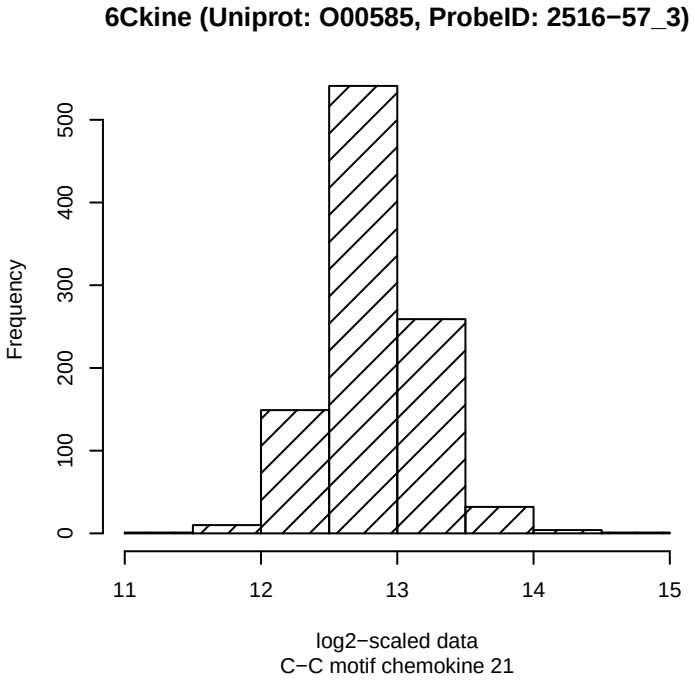

sICAM−5 (Uniprot: Q9UMF0, ProbeID: 5124−69_3)
log2−scaled data
8.5
9.0
9.5
10.0
10.5
C/C (682)
C/A (283)
A/A (30)
rs1051738 (Chr19:10577843)
Locus 351 top sentinel (CIS), p=1.4e−12, FC=−1.1056

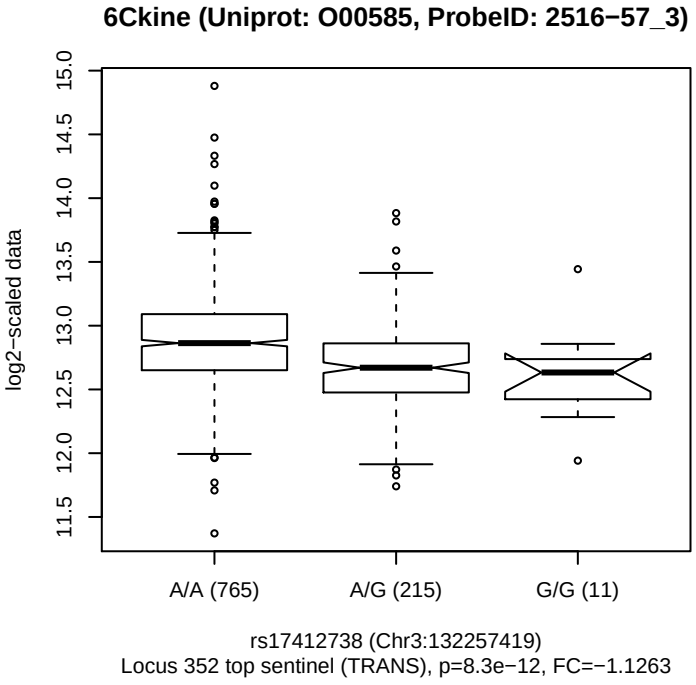

sICAM−5 (Uniprot: Q9UMF0, ProbeID: 5124−69_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Intercellular adhesion molecule 5

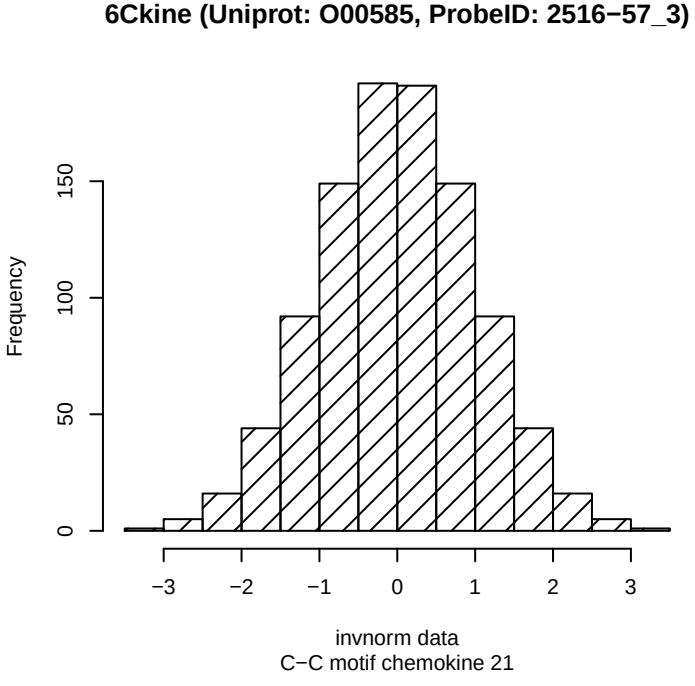

sICAM−5 (Uniprot: Q9UMF0, ProbeID: 5124−69_3)
invnorm data
−3
−2
−1
0
1
2
3
C/C (682)
C/A (283)
A/A (30)
rs1051738 (Chr19:10577843)
Locus 351 top sentinel (CIS), p=4.6e−13

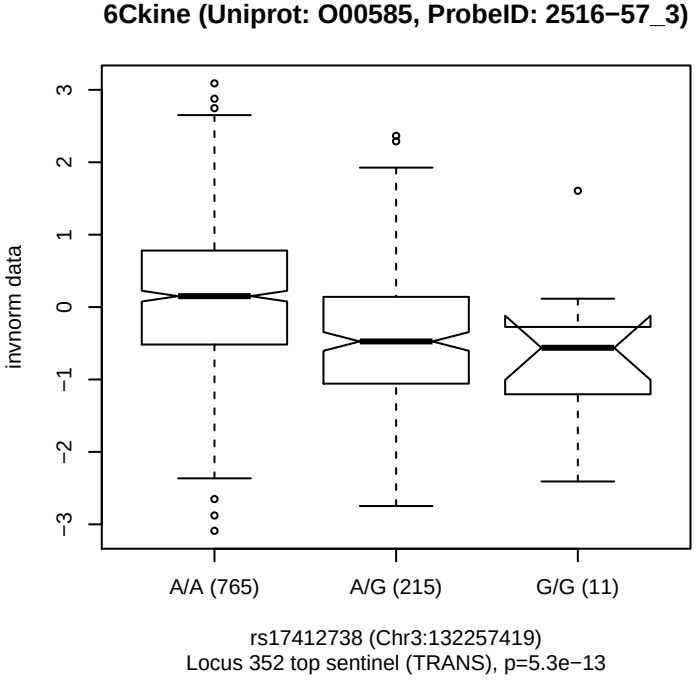

6Ckine (Uniprot: O00585, ProbeID: 2516−57_3)
Frequency
0
100
200
300
400
5000
10000
15000
20000
25000
30000
raw data
C−C motif chemokine 21

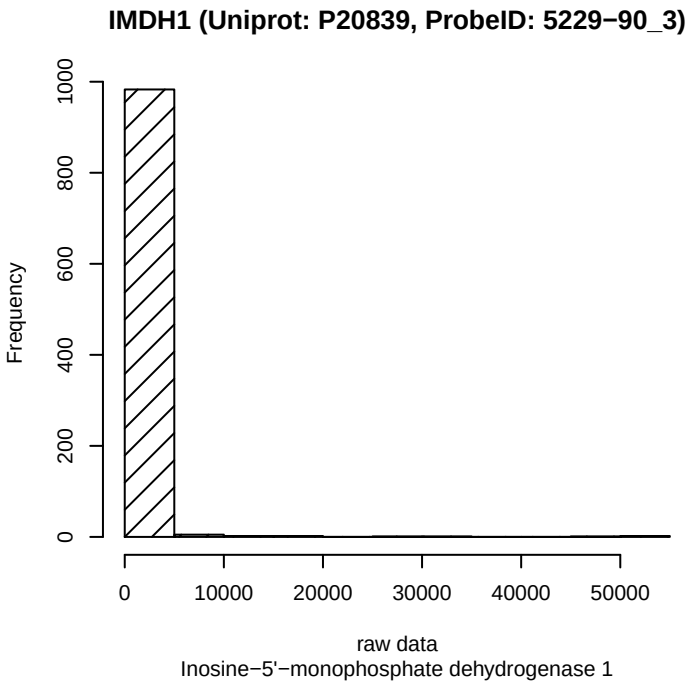

6Ckine (Uniprot: O00585, ProbeID: 2516−57_3)
raw data
5000
10000
15000
20000
25000
30000
A/A (765)
A/G (215)
G/G (11)
rs17412738 (Chr3:132257419)
Locus 352 top sentinel (TRANS), p=2.6e−09

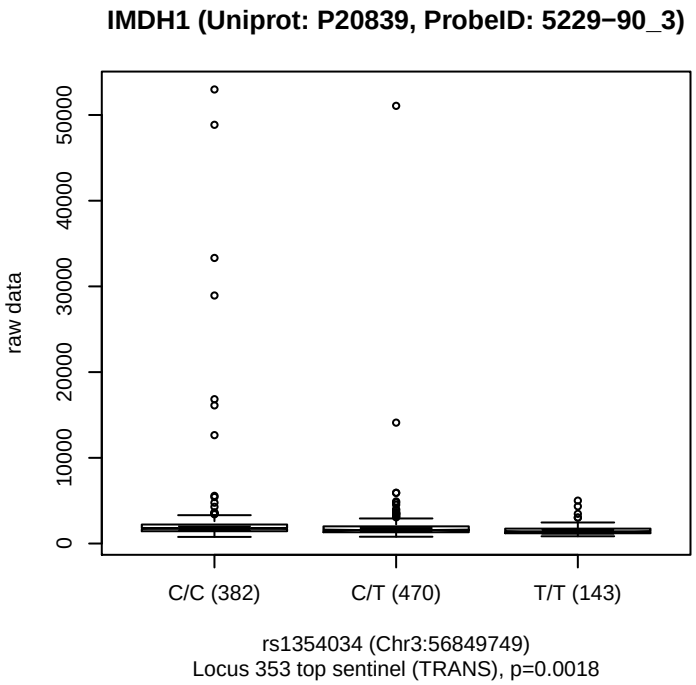

6Ckine (Uniprot: O00585, ProbeID: 2516−57_3)
Frequency
0
100
200
300
400
500
11
12
13
14
15
log2−scaled data
C−C motif chemokine 21

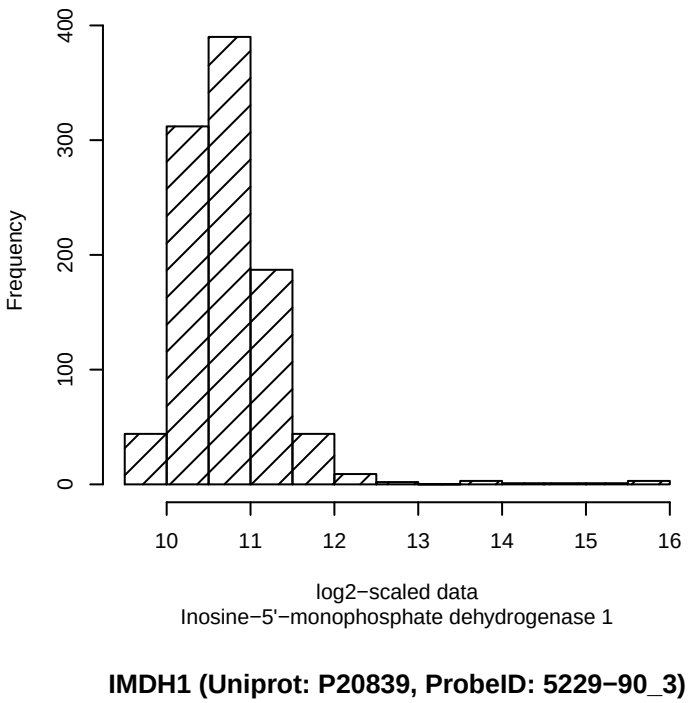

6Ckine (Uniprot: O00585, ProbeID: 2516−57_3)
log2−scaled data
11.5
12.0
12.5
13.0
13.5
14.0
14.5
15.0
A/A (765)
A/G (215)
G/G (11)
rs17412738 (Chr3:132257419)
Locus 352 top sentinel (TRANS), p=8.3e−12, FC=−1.1263

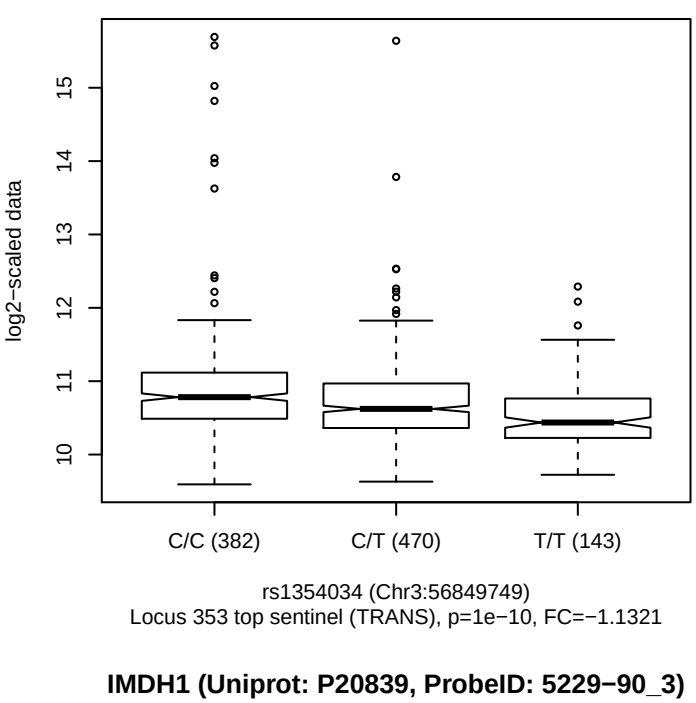

6Ckine (Uniprot: O00585, ProbeID: 2516−57_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 21

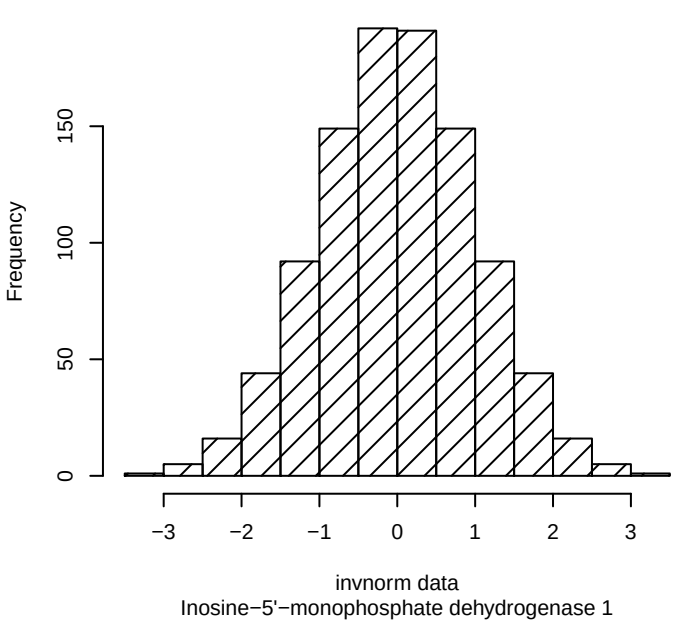

6Ckine (Uniprot: O00585, ProbeID: 2516−57_3)
invnorm data
−3
−2
−1
0
1
2
3
A/A (765)
A/G (215)
G/G (11)
rs17412738 (Chr3:132257419)
Locus 352 top sentinel (TRANS), p=5.3e−13

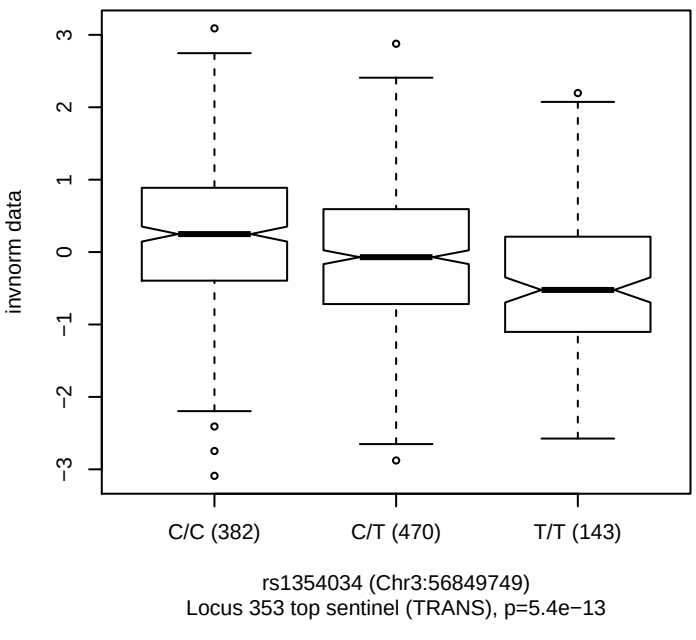

IMDH1 (Uniprot: P20839, ProbeID: 5229−90_3)
Frequency
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
raw data
Inosine−5'−monophosphate dehydrogenase 1

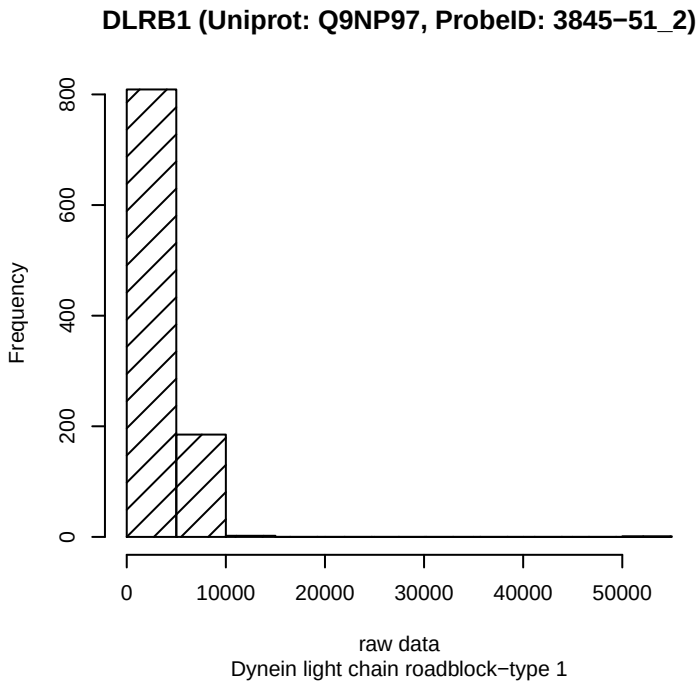

IMDH1 (Uniprot: P20839, ProbeID: 5229−90_3)
raw data
0
10000
20000
30000
40000
50000
C/C (382)
C/T (470)
T/T (143)
rs1354034 (Chr3:56849749)
Locus 353 top sentinel (TRANS), p=0.0018

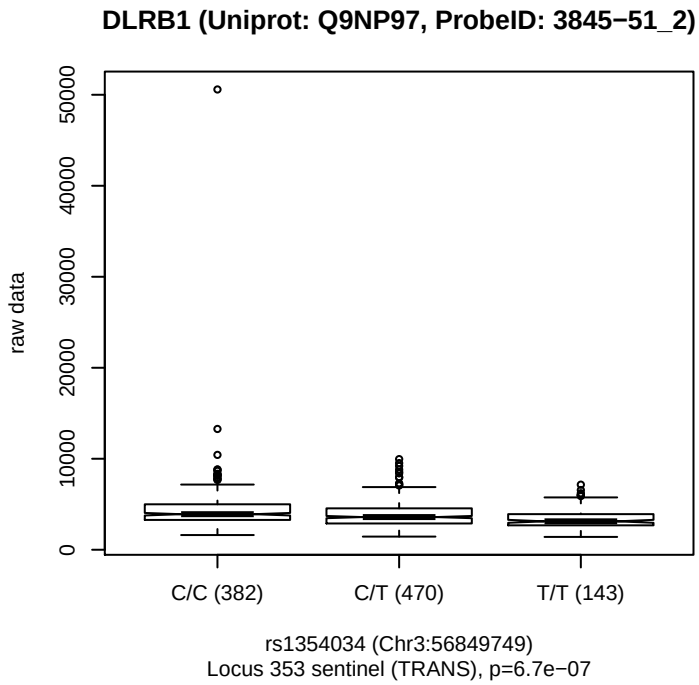

IMDH1 (Uniprot: P20839, ProbeID: 5229−90_3)
Frequency
0
100
200
300
400
10
11
12
13
14
15
16
log2−scaled data
Inosine−5'−monophosphate dehydrogenase 1

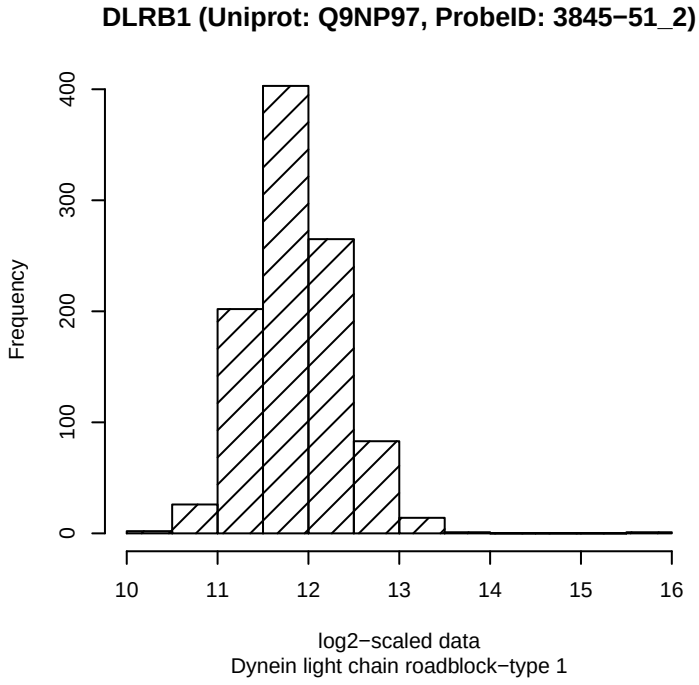

IMDH1 (Uniprot: P20839, ProbeID: 5229−90_3)
log2−scaled data
10
11
12
13
14
15
C/C (382)
C/T (470)
T/T (143)
rs1354034 (Chr3:56849749)
Locus 353 top sentinel (TRANS), p=1e−10, FC=−1.1321

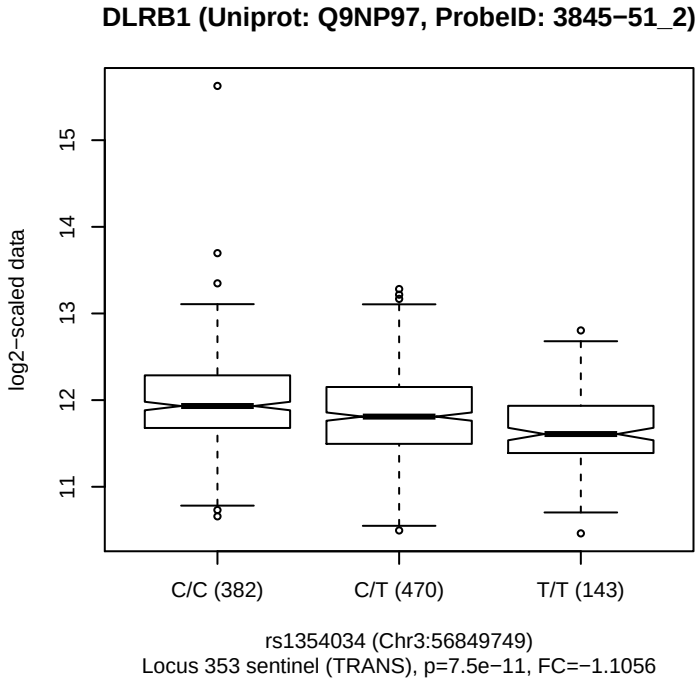

IMDH1 (Uniprot: P20839, ProbeID: 5229−90_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Inosine−5'−monophosphate dehydrogenase 1

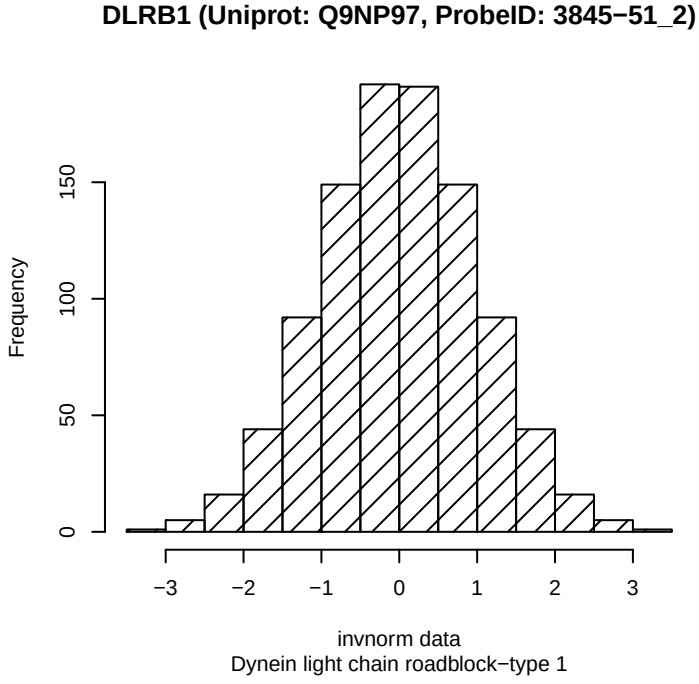

IMDH1 (Uniprot: P20839, ProbeID: 5229−90_3)
invnorm data
−3
−2
−1
0
1
2
3
C/C (382)
C/T (470)
T/T (143)
rs1354034 (Chr3:56849749)
Locus 353 top sentinel (TRANS), p=5.4e−13

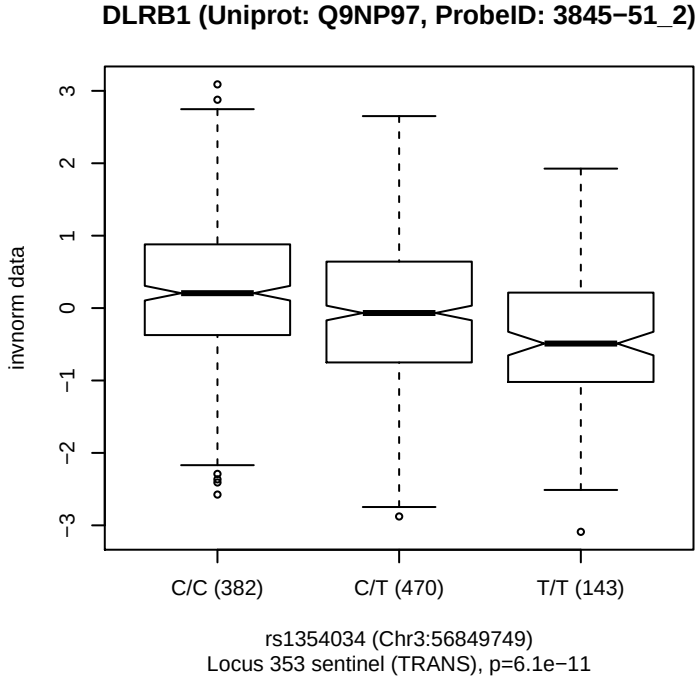

DLRB1 (Uniprot: Q9NP97, ProbeID: 3845−51_2)
Frequency
0
200
400
600
800
0
10000
20000
30000
40000
50000
raw data
Dynein light chain roadblock−type 1

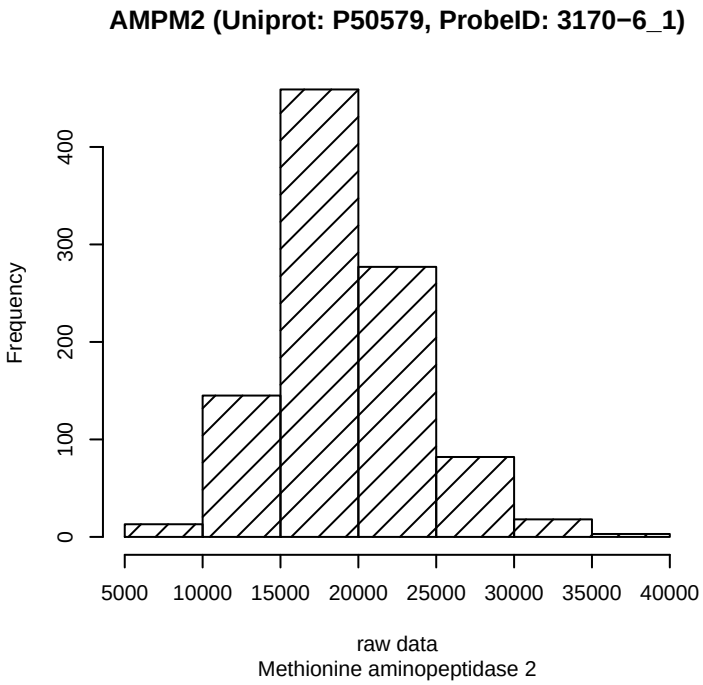

DLRB1 (Uniprot: Q9NP97, ProbeID: 3845−51_2)
raw data
0
10000
20000
30000
40000
50000
C/C (382)
C/T (470)
T/T (143)
rs1354034 (Chr3:56849749)
Locus 353 sentinel (TRANS), p=6.7e−07

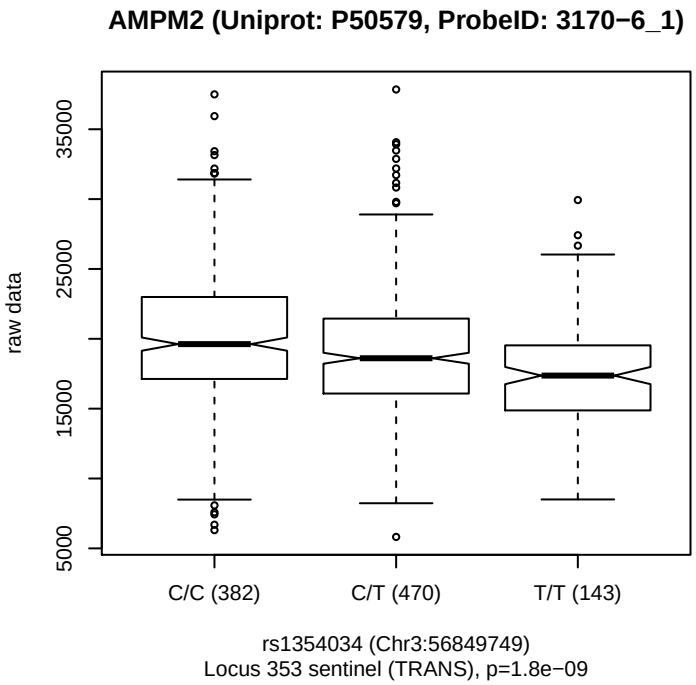

DLRB1 (Uniprot: Q9NP97, ProbeID: 3845−51_2)
Frequency
0
100
200
300
400
10
11
12
13
14
15
16
log2−scaled data
Dynein light chain roadblock−type 1

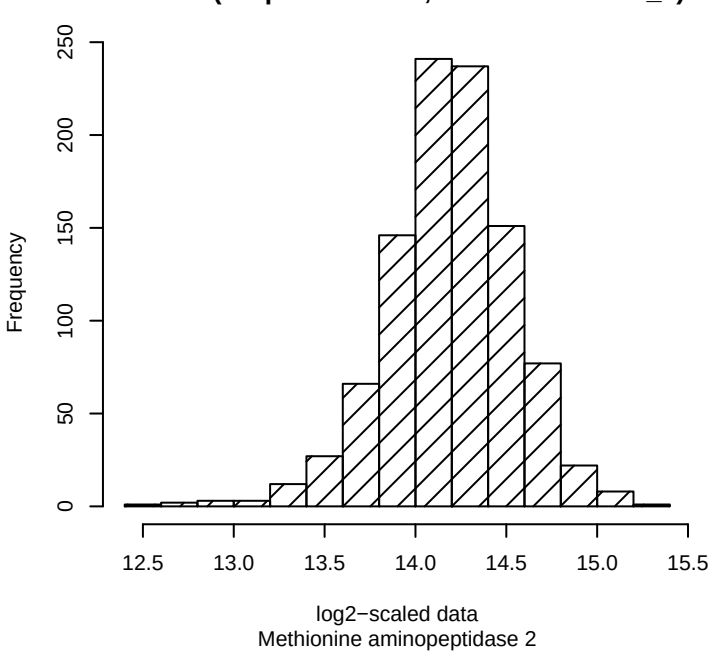

DLRB1 (Uniprot: Q9NP97, ProbeID: 3845−51_2)
log2−scaled data
11
12
13
14
15
C/C (382)
C/T (470)
T/T (143)
rs1354034 (Chr3:56849749)
Locus 353 sentinel (TRANS), p=7.5e−11, FC=−1.1056

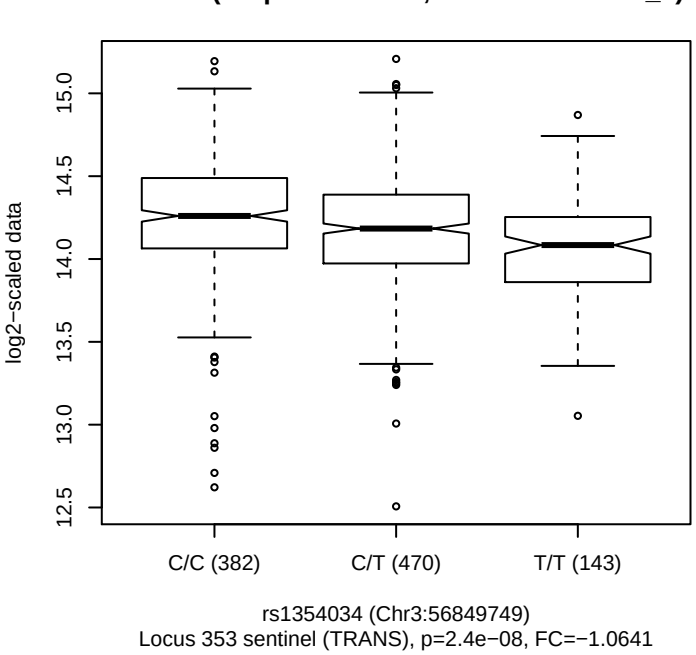

DLRB1 (Uniprot: Q9NP97, ProbeID: 3845−51_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Dynein light chain roadblock−type 1

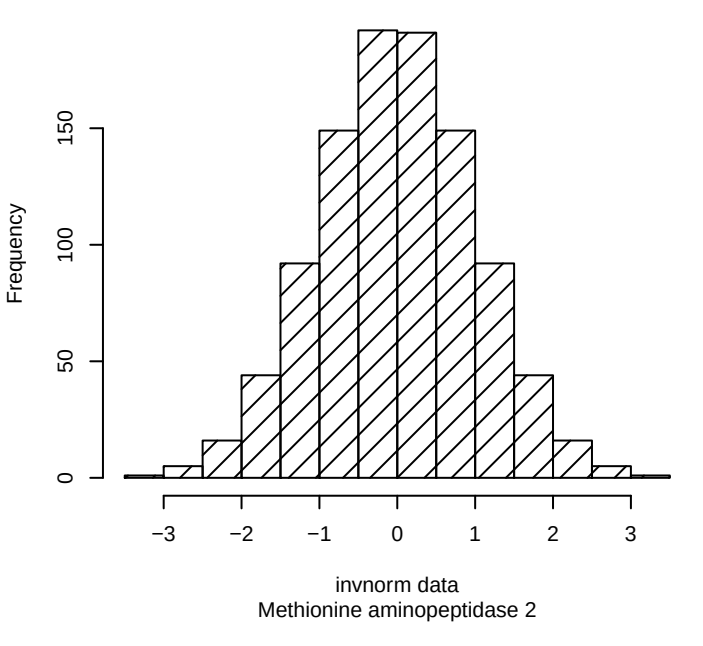

DLRB1 (Uniprot: Q9NP97, ProbeID: 3845−51_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (382)
C/T (470)
T/T (143)
rs1354034 (Chr3:56849749)
Locus 353 sentinel (TRANS), p=6.1e−11

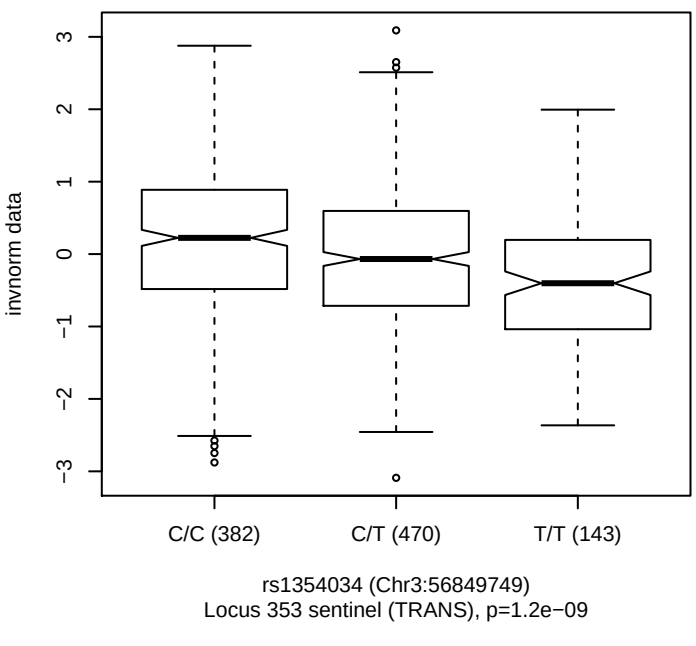

AMPM2 (Uniprot: P50579, ProbeID: 3170−6_1)
Frequency
0
100
200
300
400
5000
10000
15000
20000
25000
30000
35000
40000
raw data
Methionine aminopeptidase 2

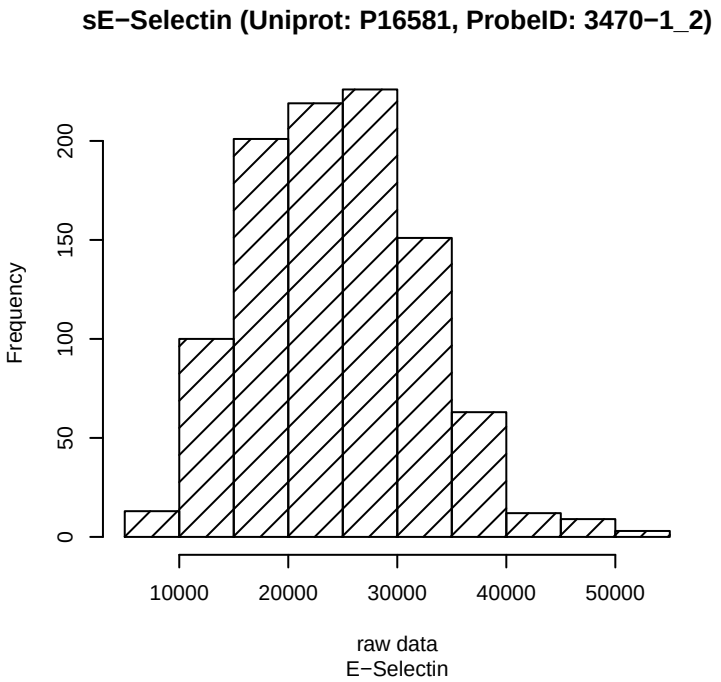

AMPM2 (Uniprot: P50579, ProbeID: 3170−6_1)
raw data
5000
15000
25000
35000
C/C (382)
C/T (470)
T/T (143)
rs1354034 (Chr3:56849749)
Locus 353 sentinel (TRANS), p=1.8e−09

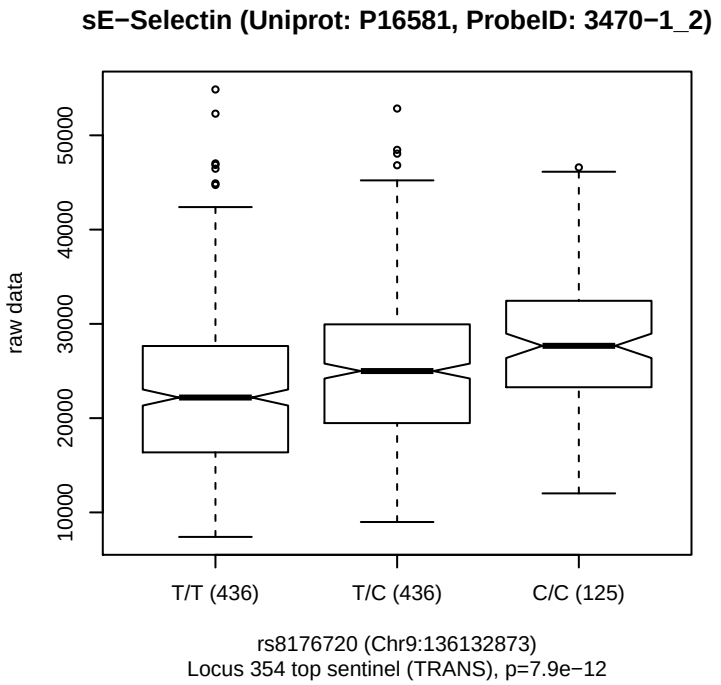

AMPM2 (Uniprot: P50579, ProbeID: 3170−6_1)
Frequency
0
50
100
150
200
250
12.5
13.0
13.5
14.0
14.5
15.0
15.5
log2−scaled data
Methionine aminopeptidase 2

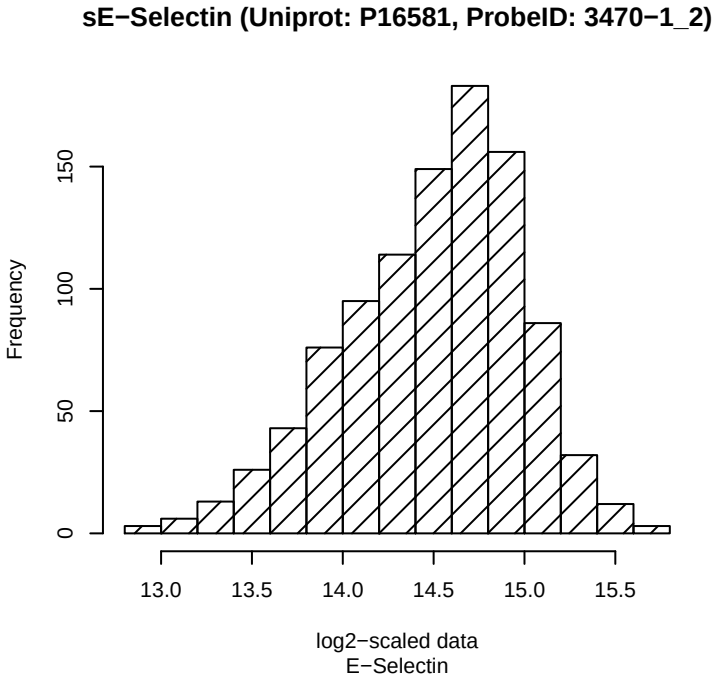

AMPM2 (Uniprot: P50579, ProbeID: 3170−6_1)
log2−scaled data
12.5
13.0
13.5
14.0
14.5
15.0
C/C (382)
C/T (470)
T/T (143)
rs1354034 (Chr3:56849749)
Locus 353 sentinel (TRANS), p=2.4e−08, FC=−1.0641

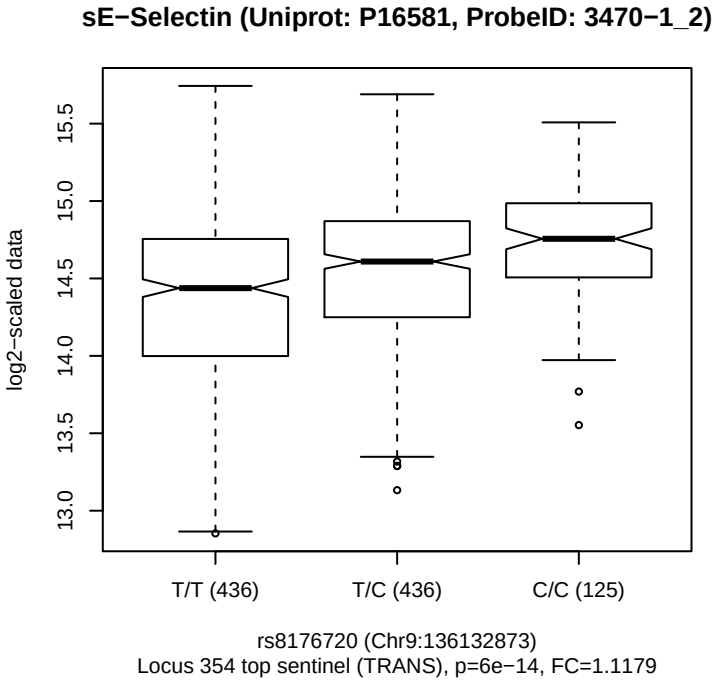

AMPM2 (Uniprot: P50579, ProbeID: 3170−6_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Methionine aminopeptidase 2

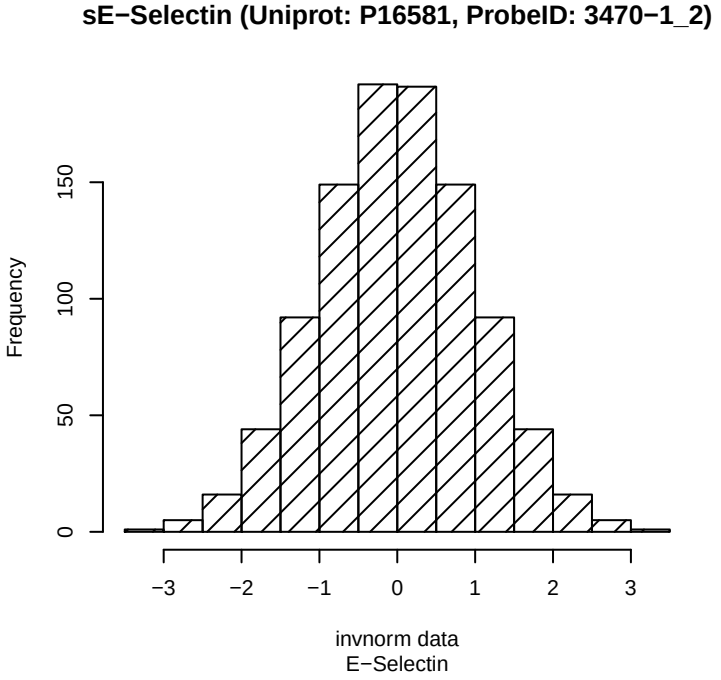

AMPM2 (Uniprot: P50579, ProbeID: 3170−6_1)
invnorm data
−3
−2
−1
0
1
2
3
C/C (382)
C/T (470)
T/T (143)
rs1354034 (Chr3:56849749)
Locus 353 sentinel (TRANS), p=1.2e−09

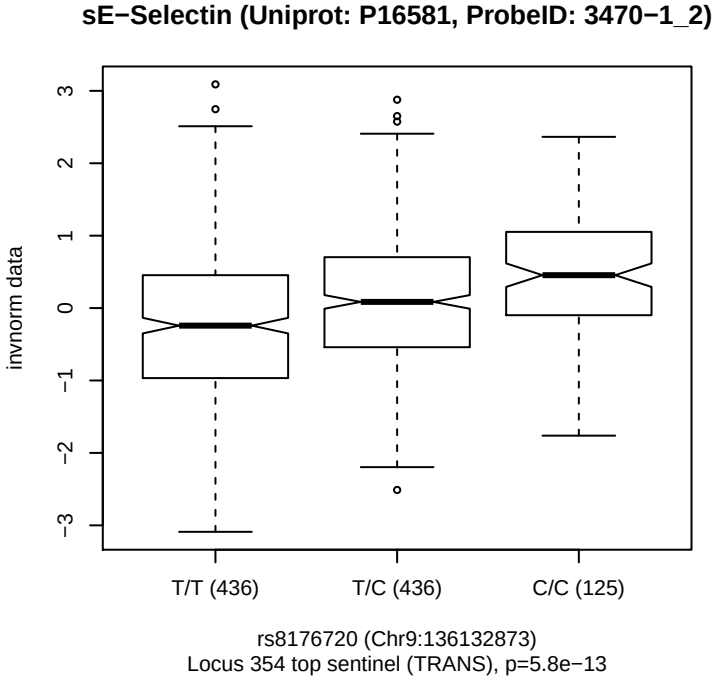

sE−Selectin (Uniprot: P16581, ProbeID: 3470−1_2)
Frequency
0
50
100
150
200
10000
20000
30000
40000
50000
raw data
E−Selectin

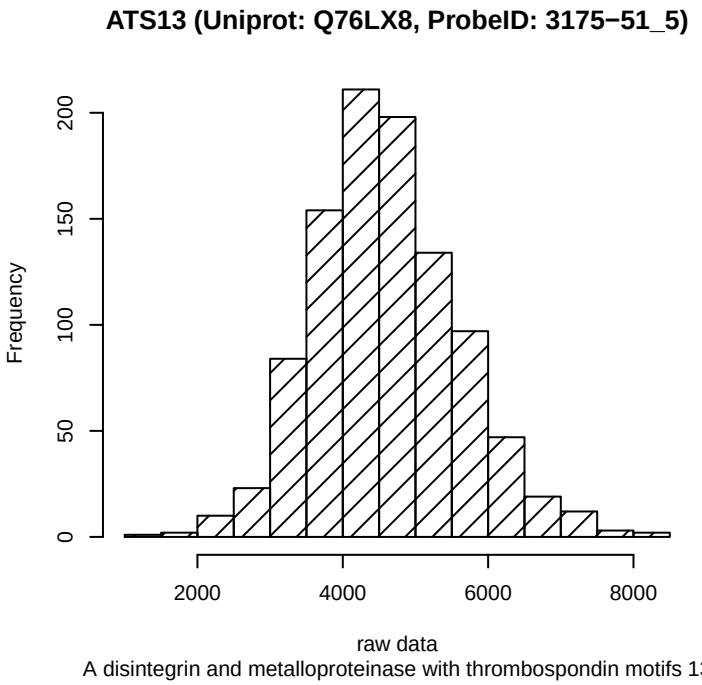

sE−Selectin (Uniprot: P16581, ProbeID: 3470−1_2)
raw data
10000
20000
30000
40000
50000
T/T (436)
T/C (436)
C/C (125)
rs8176720 (Chr9:136132873)
Locus 354 top sentinel (TRANS), p=7.9e−12

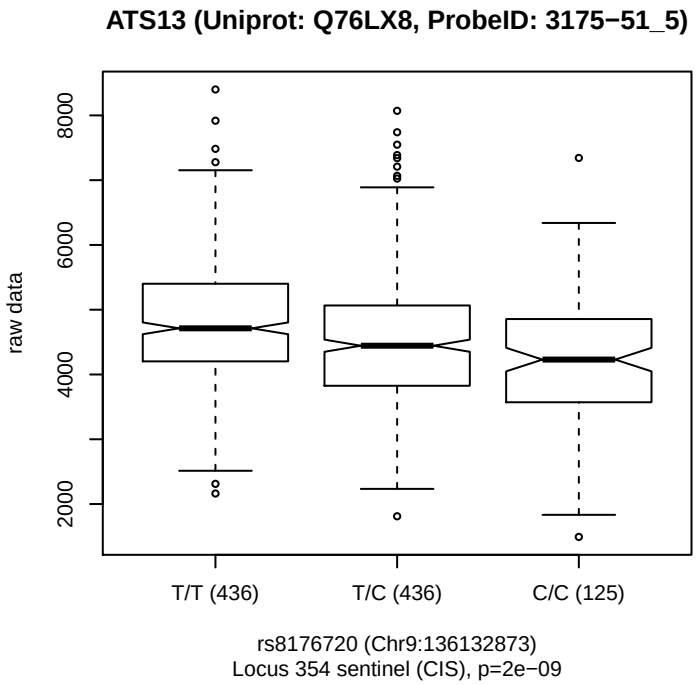

sE−Selectin (Uniprot: P16581, ProbeID: 3470−1_2)
Frequency
0
50
100
150
13.0
13.5
14.0
14.5
15.0
15.5
log2−scaled data
E−Selectin

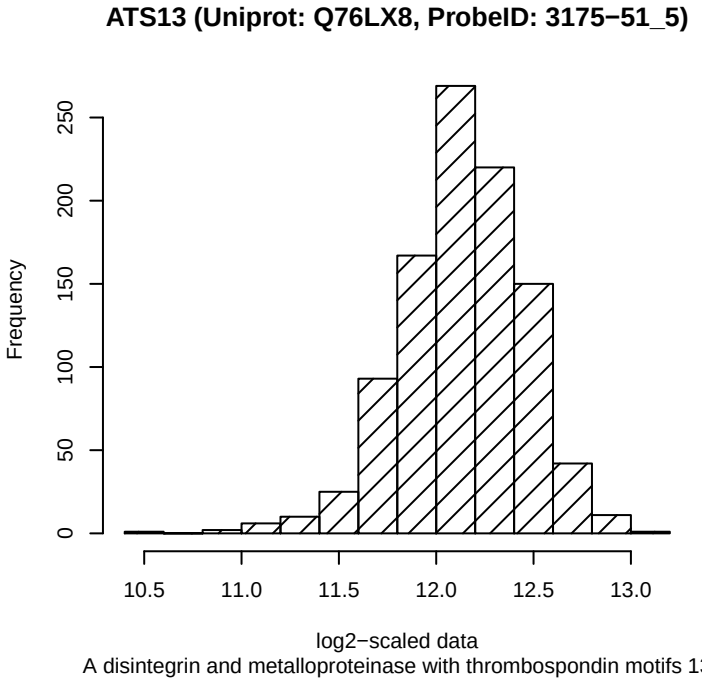

sE−Selectin (Uniprot: P16581, ProbeID: 3470−1_2)
log2−scaled data
13.0
13.5
14.0
14.5
15.0
15.5
T/T (436)
T/C (436)
C/C (125)
rs8176720 (Chr9:136132873)
Locus 354 top sentinel (TRANS), p=6e−14, FC=1.1179

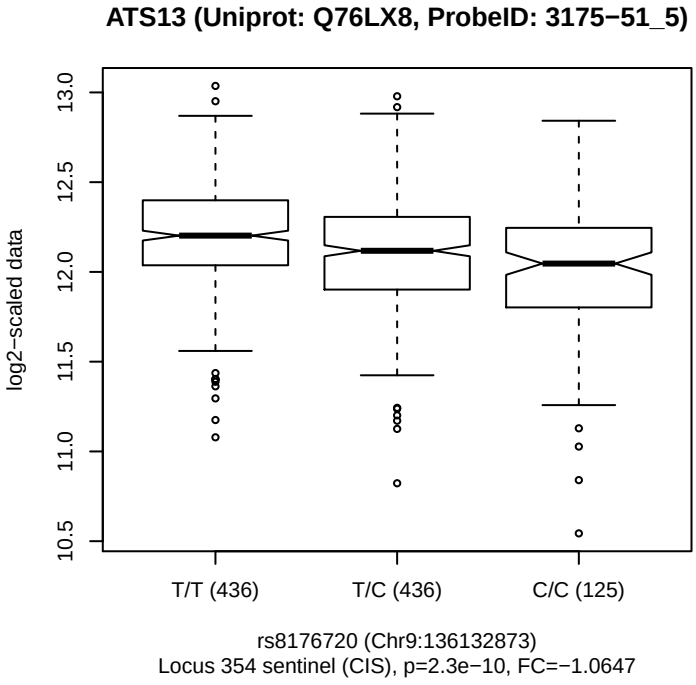

sE−Selectin (Uniprot: P16581, ProbeID: 3470−1_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
E−Selectin

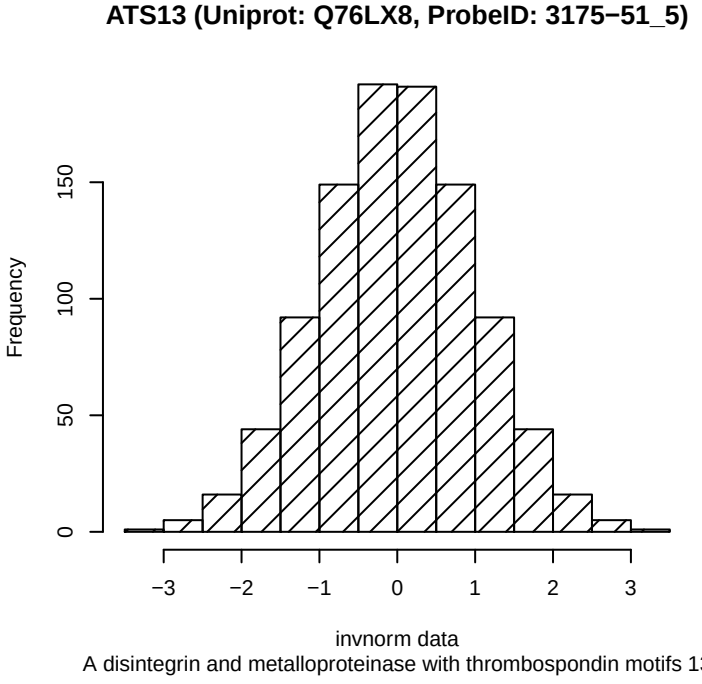

sE−Selectin (Uniprot: P16581, ProbeID: 3470−1_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (436)
T/C (436)
C/C (125)
rs8176720 (Chr9:136132873)
Locus 354 top sentinel (TRANS), p=5.8e−13

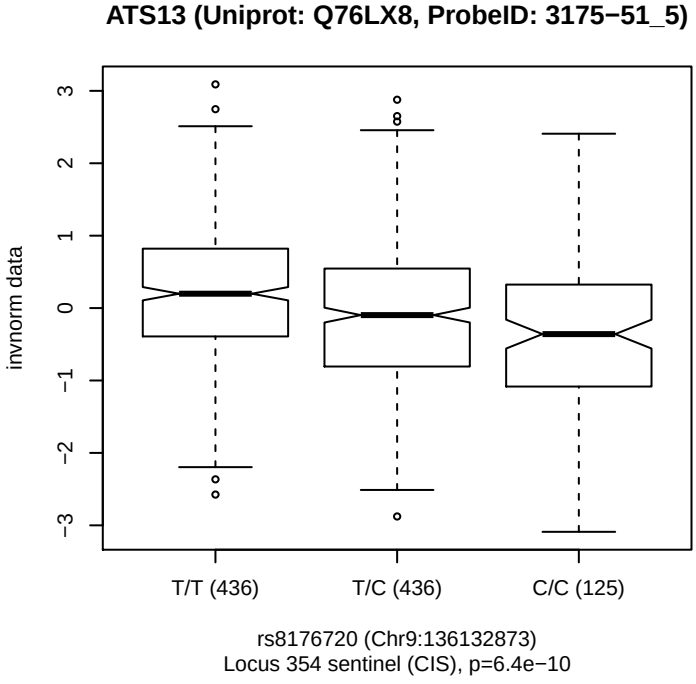

ATS13 (Uniprot: Q76LX8, ProbeID: 3175−51_5)
Frequency
0
50
100
150
200
2000
4000
6000
8000
raw data
A disintegrin and metalloproteinase with thrombospondin motifs 13

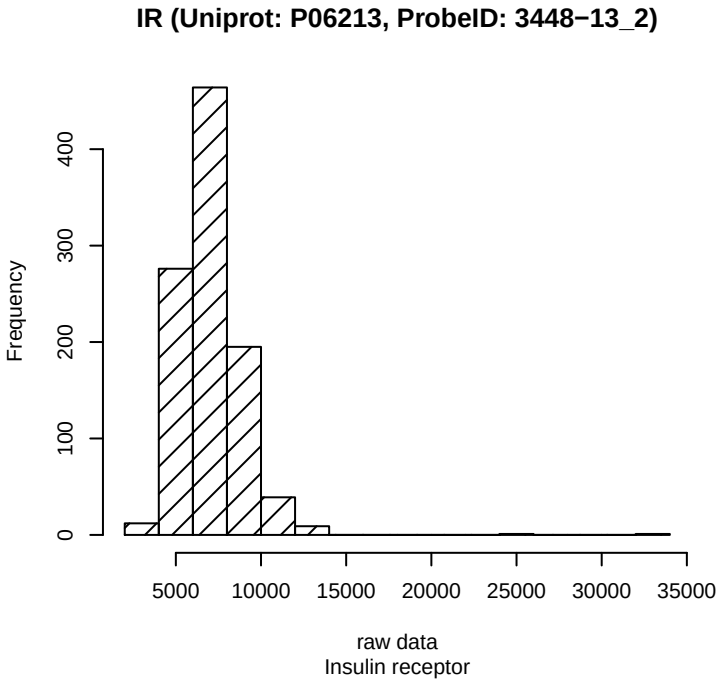

ATS13 (Uniprot: Q76LX8, ProbeID: 3175−51_5)
raw data
2000
4000
6000
8000
T/T (436)
T/C (436)
C/C (125)
rs8176720 (Chr9:136132873)
Locus 354 sentinel (CIS), p=2e−09

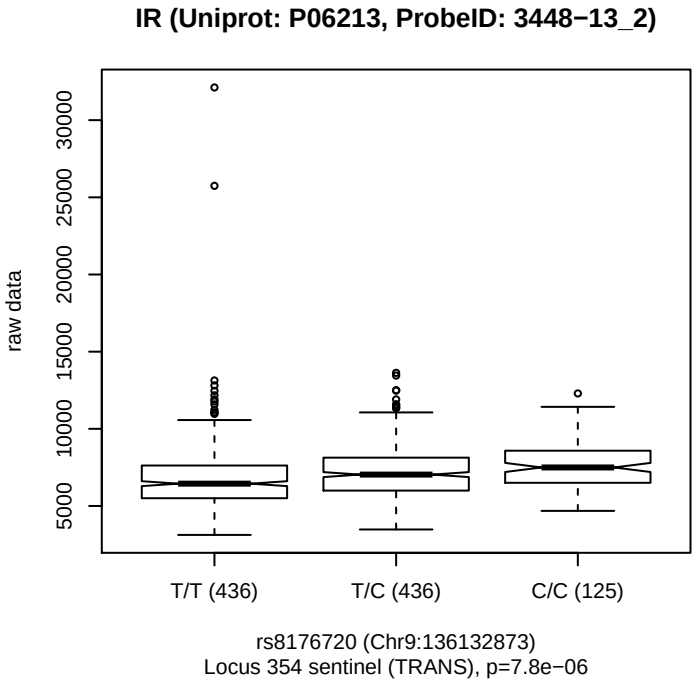

ATS13 (Uniprot: Q76LX8, ProbeID: 3175−51_5)
Frequency
0
50
100
150
200
250
10.5
11.0
11.5
12.0
12.5
13.0
log2−scaled data
A disintegrin and metalloproteinase with thrombospondin motifs 13

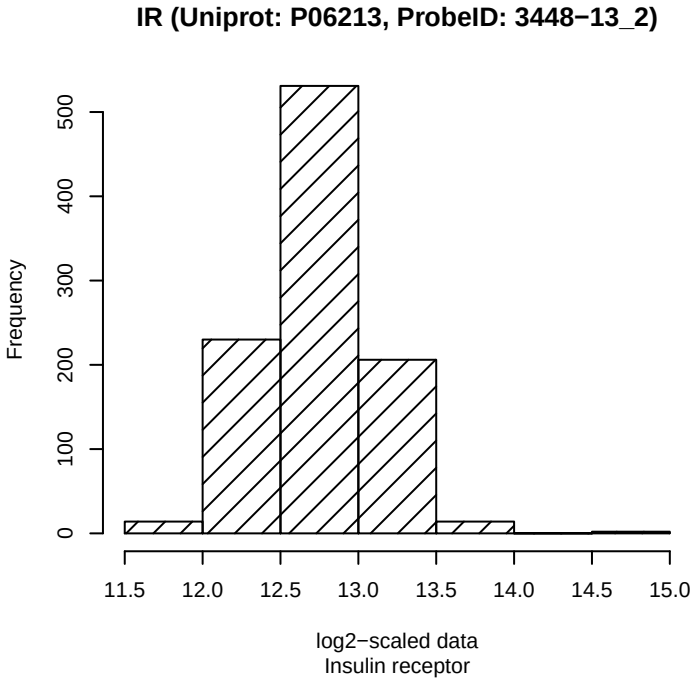

ATS13 (Uniprot: Q76LX8, ProbeID: 3175−51_5)
log2−scaled data
10.5
11.0
11.5
12.0
12.5
13.0
T/T (436)
T/C (436)
C/C (125)
rs8176720 (Chr9:136132873)
Locus 354 sentinel (CIS), p=2.3e−10, FC=−1.0647

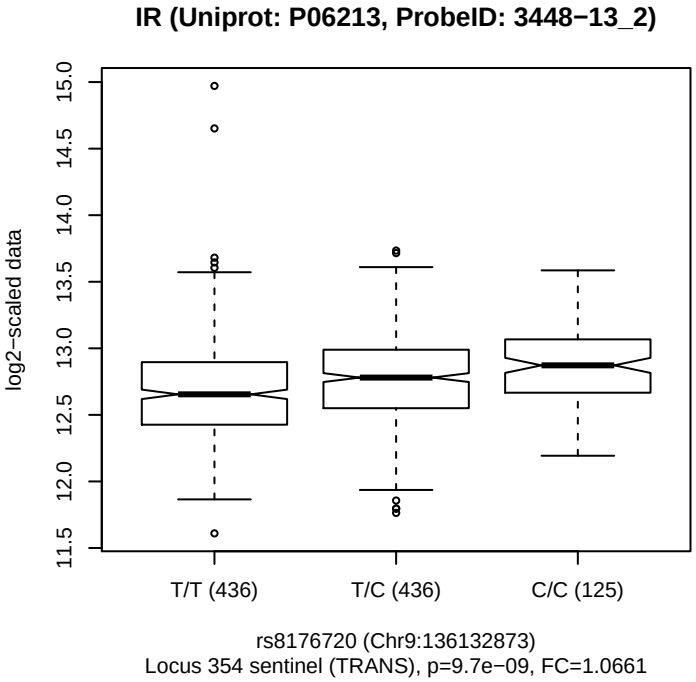

ATS13 (Uniprot: Q76LX8, ProbeID: 3175−51_5)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
A disintegrin and metalloproteinase with thrombospondin motifs 13

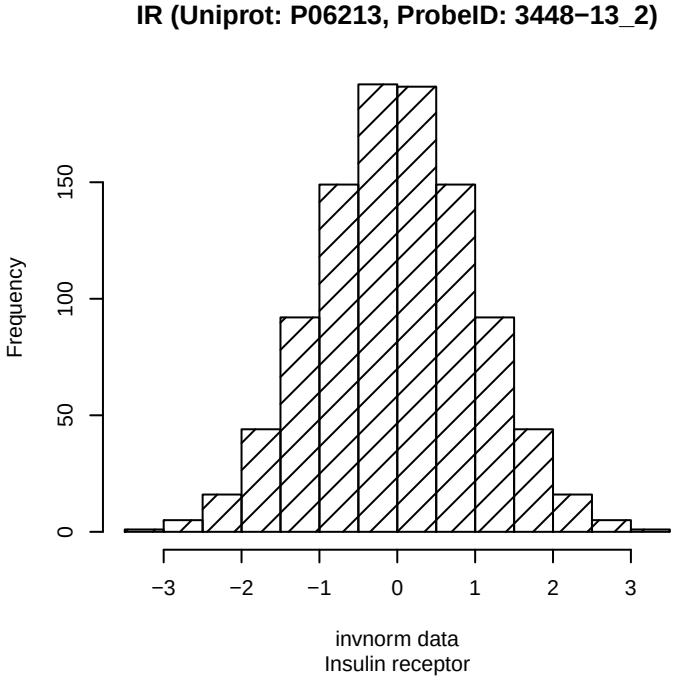

ATS13 (Uniprot: Q76LX8, ProbeID: 3175−51_5)
invnorm data
−3
−2
−1
0
1
2
3
T/T (436)
T/C (436)
C/C (125)
rs8176720 (Chr9:136132873)
Locus 354 sentinel (CIS), p=6.4e−10

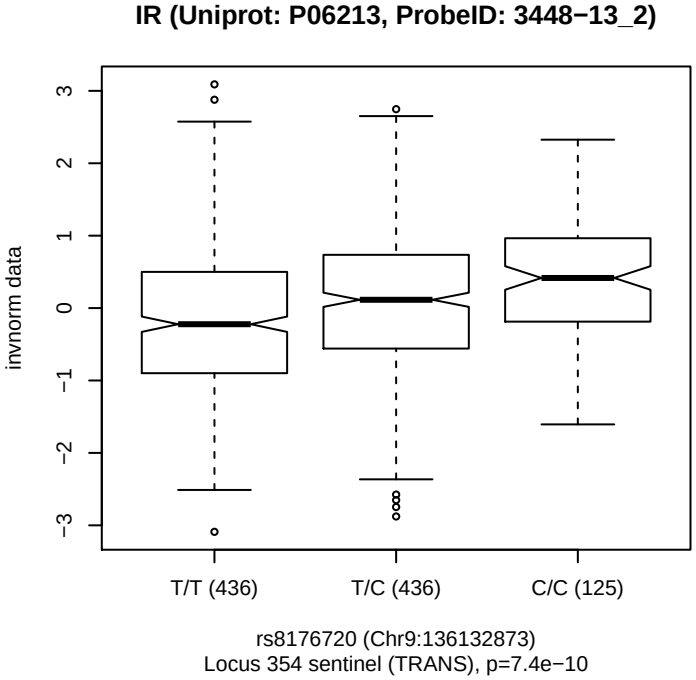

IR (Uniprot: P06213, ProbeID: 3448−13_2)
Frequency
0
100
200
300
400
5000
10000
15000
20000
25000
30000
35000
raw data
Insulin receptor

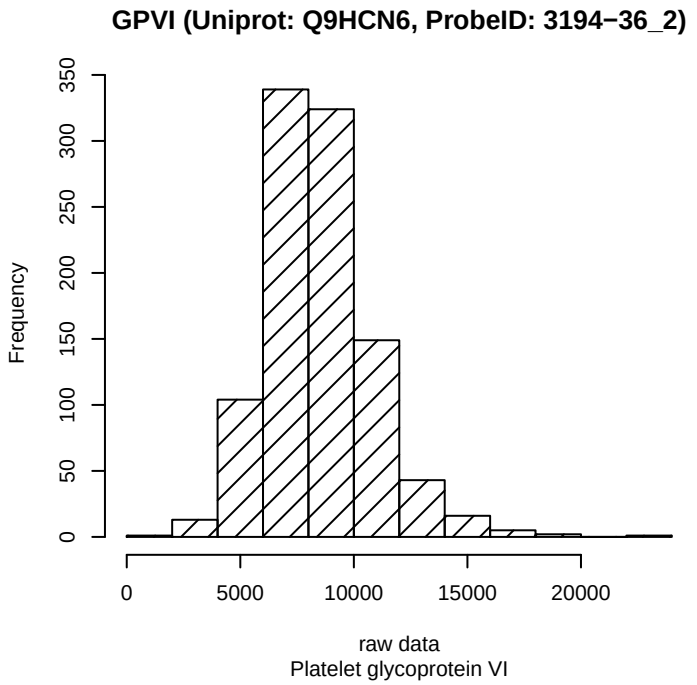

IR (Uniprot: P06213, ProbeID: 3448−13_2)
raw data
5000
10000
15000
20000
25000
30000
T/T (436)
T/C (436)
C/C (125)
rs8176720 (Chr9:136132873)
Locus 354 sentinel (TRANS), p=7.8e−06

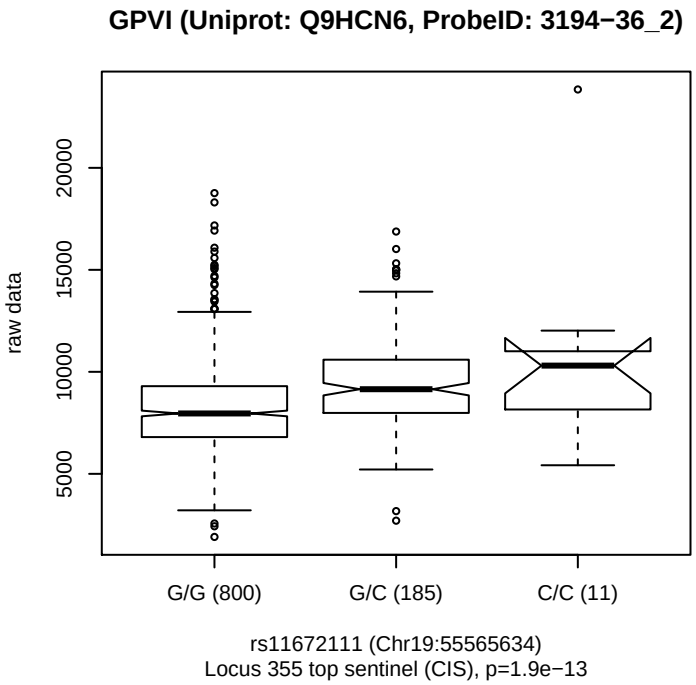

IR (Uniprot: P06213, ProbeID: 3448−13_2)
Frequency
0
100
200
300
400
500
11.5
12.0
12.5
13.0
13.5
14.0
14.5
15.0
log2−scaled data
Insulin receptor

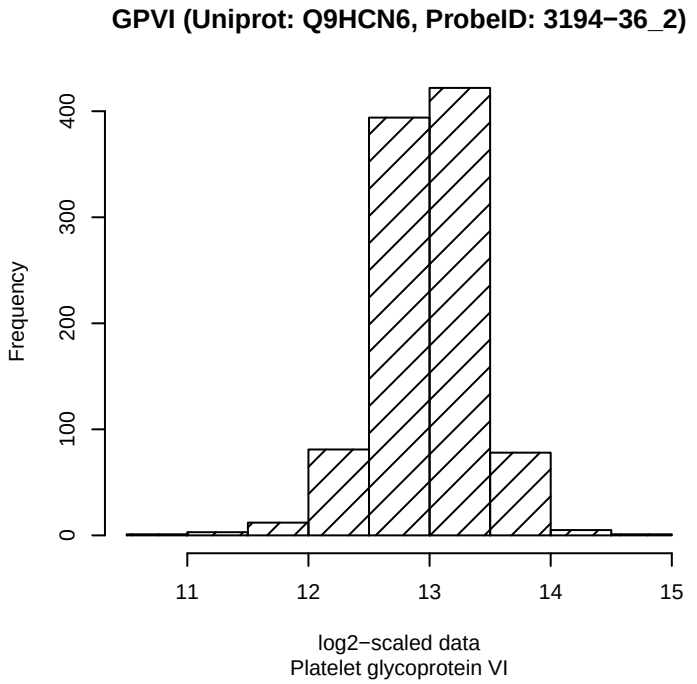

IR (Uniprot: P06213, ProbeID: 3448−13_2)
log2−scaled data
11.5
12.0
12.5
13.0
13.5
14.0
14.5
15.0
T/T (436)
T/C (436)
C/C (125)
rs8176720 (Chr9:136132873)
Locus 354 sentinel (TRANS), p=9.7e−09, FC=1.0661

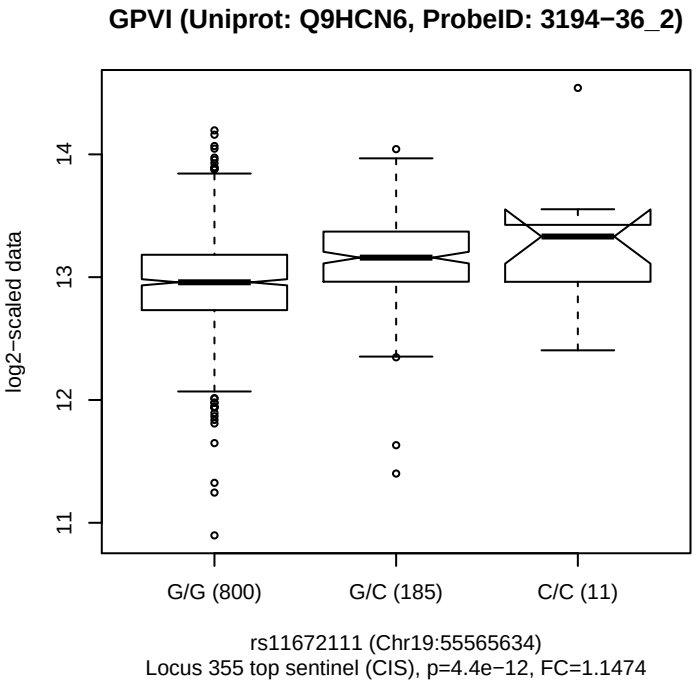

IR (Uniprot: P06213, ProbeID: 3448−13_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Insulin receptor

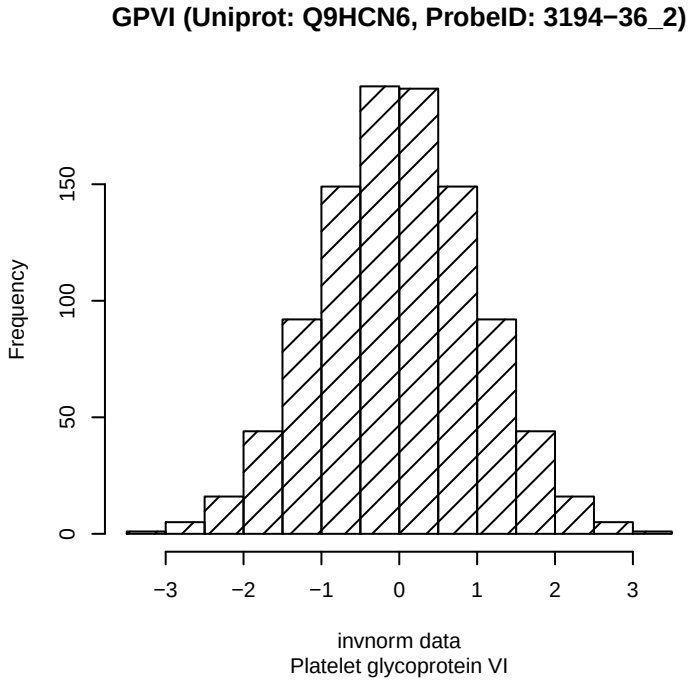

IR (Uniprot: P06213, ProbeID: 3448−13_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (436)
T/C (436)
C/C (125)
rs8176720 (Chr9:136132873)
Locus 354 sentinel (TRANS), p=7.4e−10

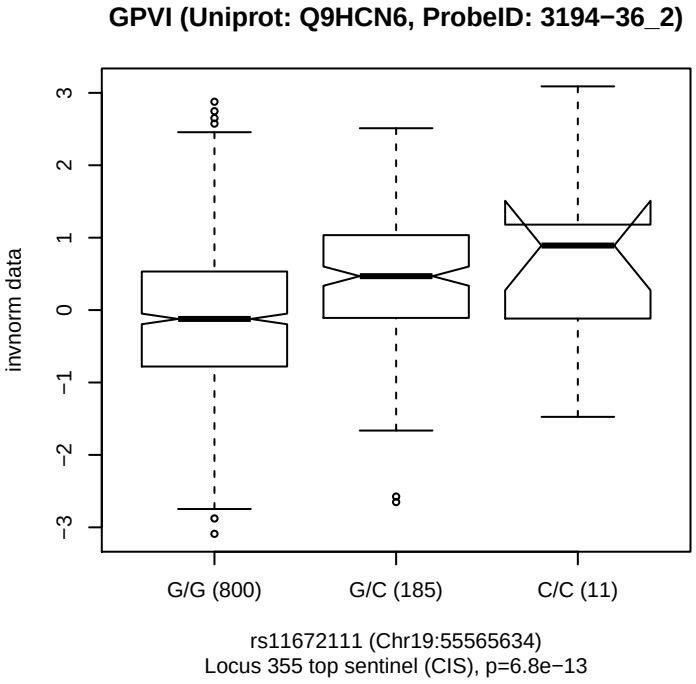

GPVI (Uniprot: Q9HCN6, ProbeID: 3194−36_2)
Frequency
0
50
100
150
200
250
300
350
0
5000
10000
15000
20000
raw data
Platelet glycoprotein VI

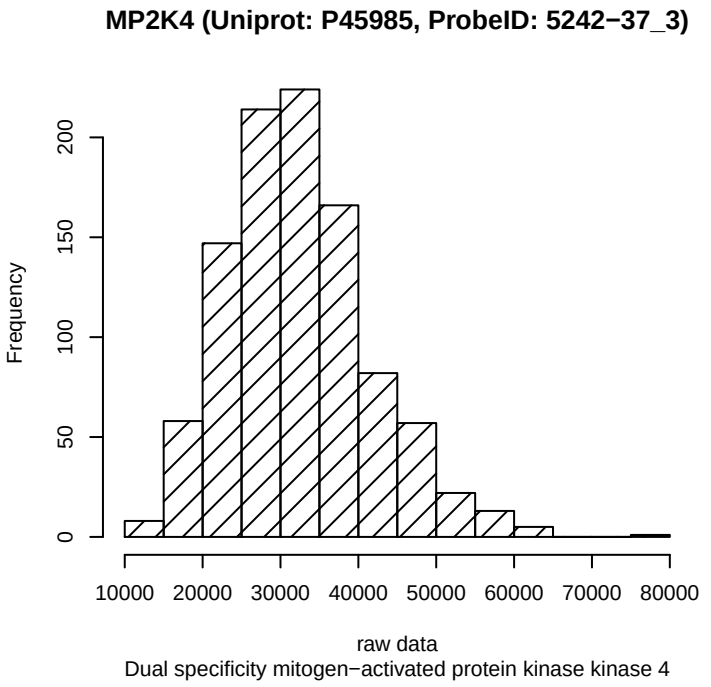

GPVI (Uniprot: Q9HCN6, ProbeID: 3194−36_2)
raw data
5000
10000
15000
20000
G/G (800)
G/C (185)
C/C (11)
rs11672111 (Chr19:55565634)
Locus 355 top sentinel (CIS), p=1.9e−13

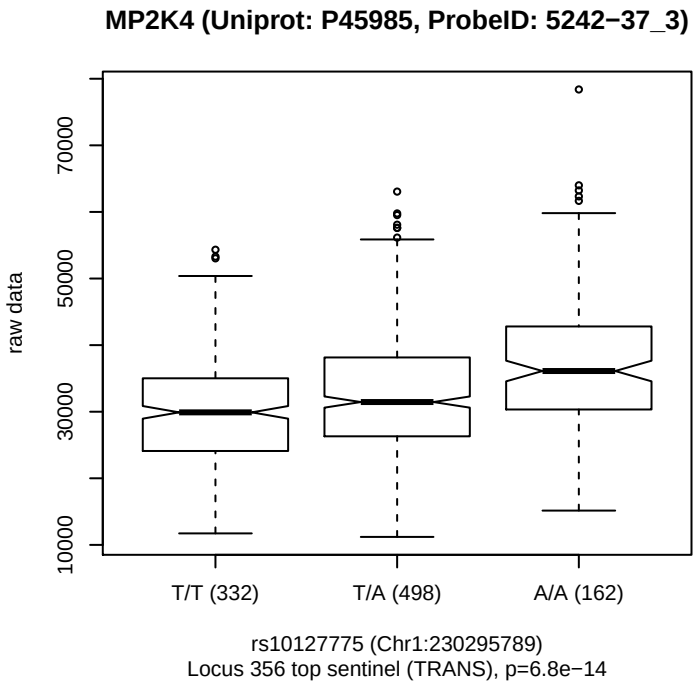

GPVI (Uniprot: Q9HCN6, ProbeID: 3194−36_2)
Frequency
0
100
200
300
400
11
12
13
14
15
log2−scaled data
Platelet glycoprotein VI

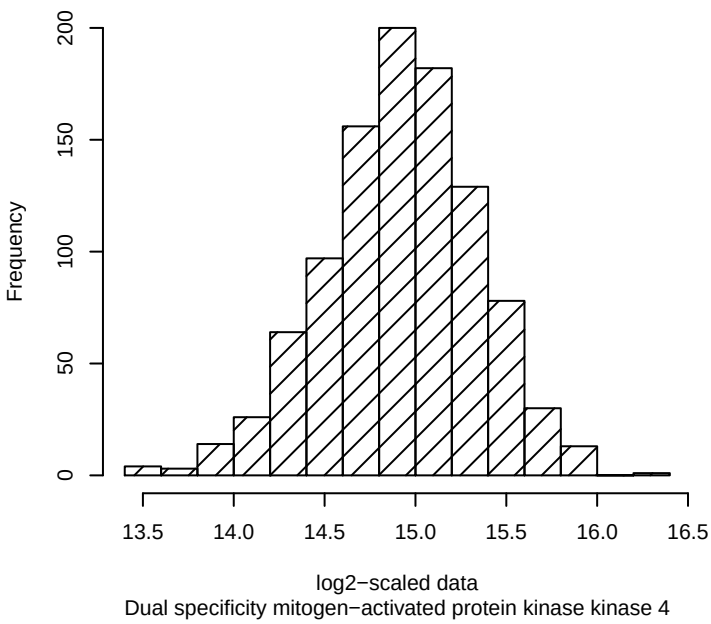

GPVI (Uniprot: Q9HCN6, ProbeID: 3194−36_2)
log2−scaled data
11
12
13
14
G/G (800)
G/C (185)
C/C (11)
rs11672111 (Chr19:55565634)
Locus 355 top sentinel (CIS), p=4.4e−12, FC=1.1474

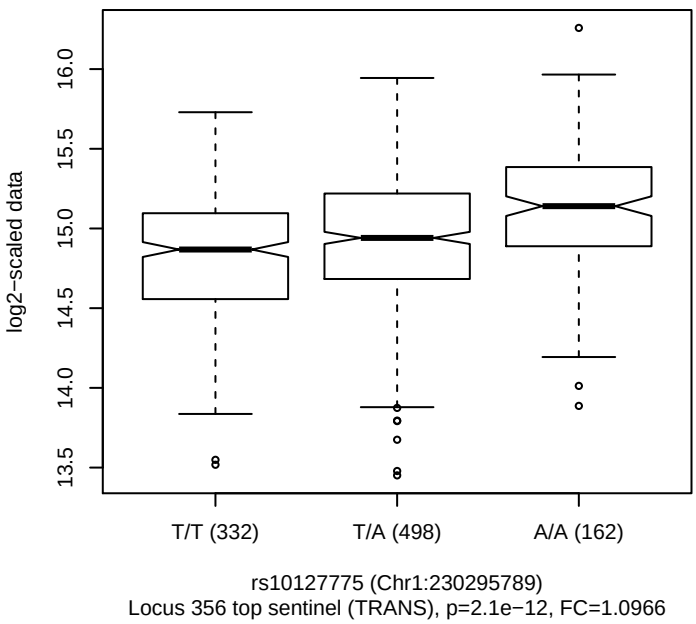

GPVI (Uniprot: Q9HCN6, ProbeID: 3194−36_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Platelet glycoprotein VI

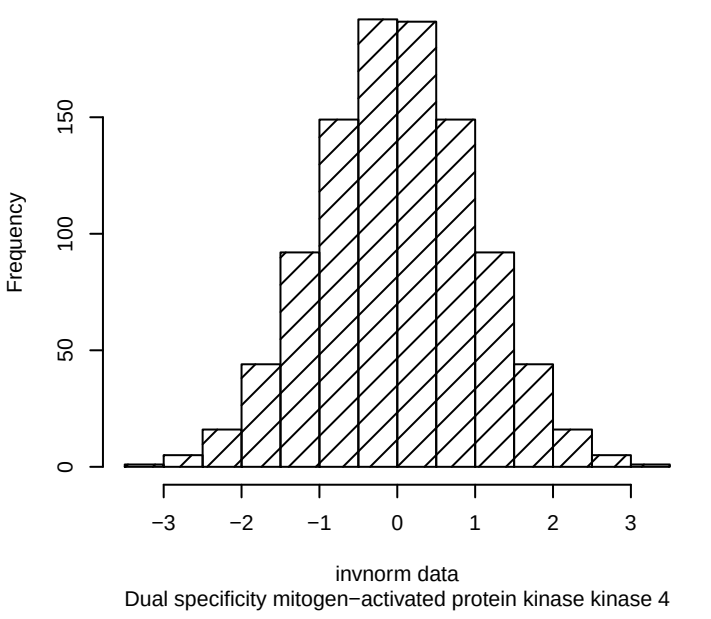

GPVI (Uniprot: Q9HCN6, ProbeID: 3194−36_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (800)
G/C (185)
C/C (11)
rs11672111 (Chr19:55565634)
Locus 355 top sentinel (CIS), p=6.8e−13

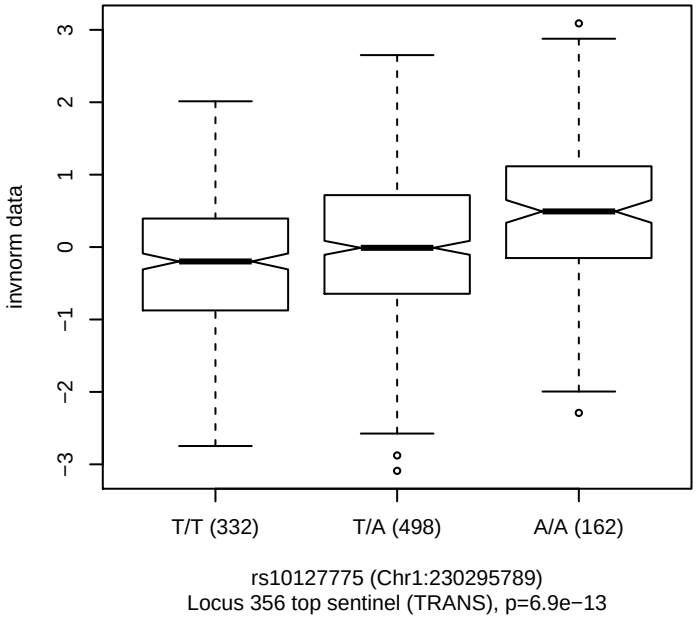

MP2K4 (Uniprot: P45985, ProbeID: 5242−37_3)
Frequency
0
50
100
150
200
10000
20000
30000
40000
50000
60000
70000
80000
raw data
Dual specificity mitogen−activated protein kinase kinase 4

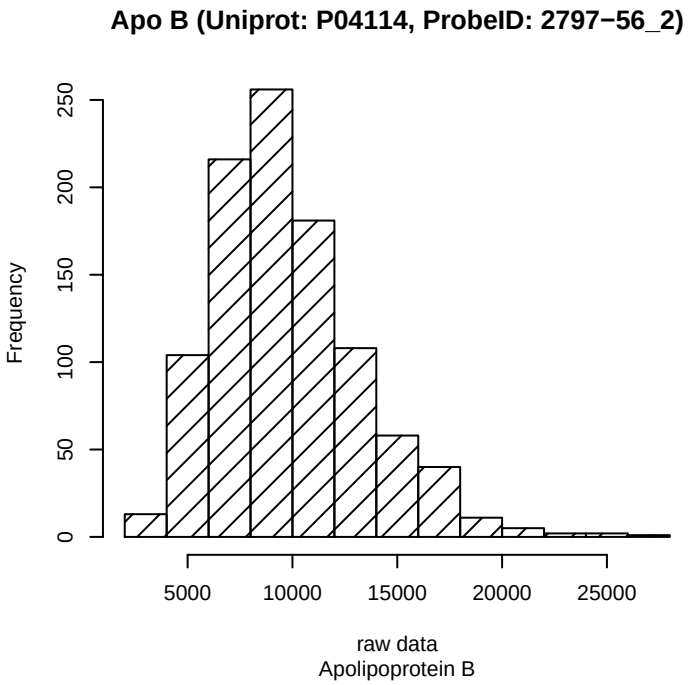

MP2K4 (Uniprot: P45985, ProbeID: 5242−37_3)
raw data
10000
30000
50000
70000
T/T (332)
T/A (498)
A/A (162)
rs10127775 (Chr1:230295789)
Locus 356 top sentinel (TRANS), p=6.8e−14

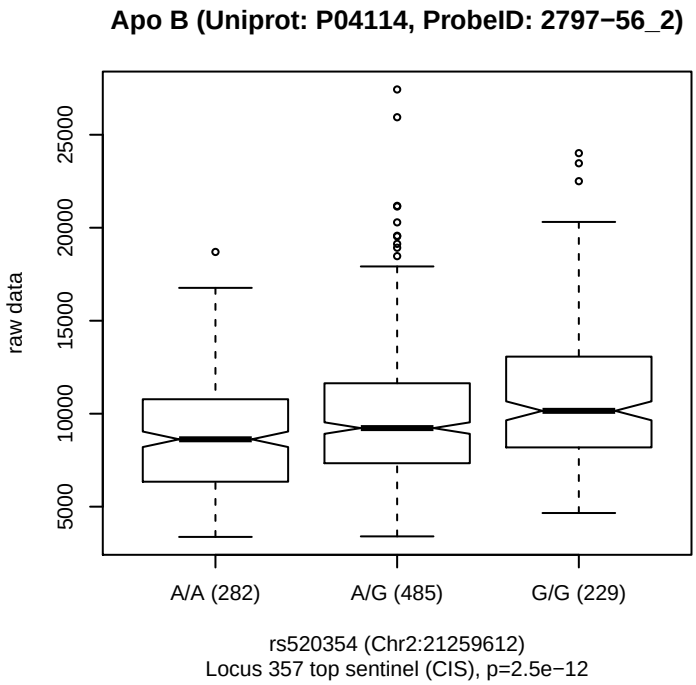

MP2K4 (Uniprot: P45985, ProbeID: 5242−37_3)
Frequency
0
50
100
150
200
13.5
14.0
14.5
15.0
15.5
16.0
16.5
log2−scaled data
Dual specificity mitogen−activated protein kinase kinase 4

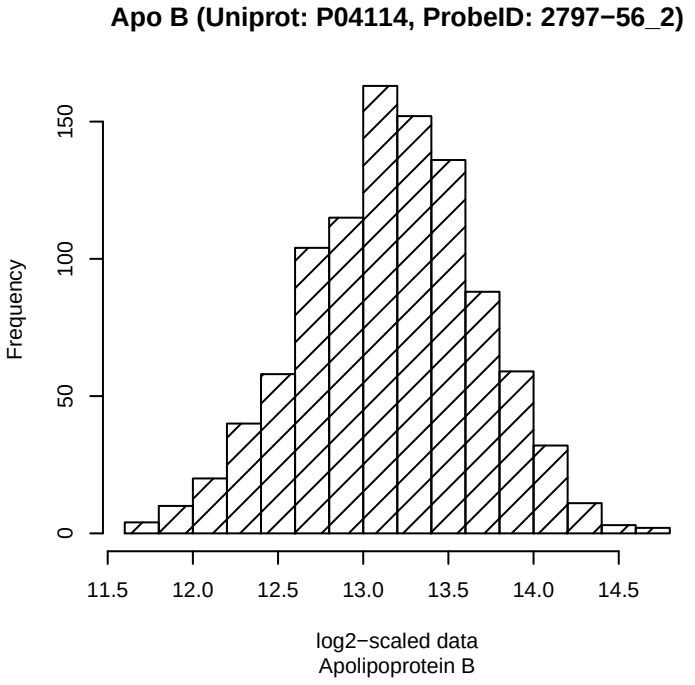

MP2K4 (Uniprot: P45985, ProbeID: 5242−37_3)
log2−scaled data
13.5
14.0
14.5
15.0
15.5
16.0
T/T (332)
T/A (498)
A/A (162)
rs10127775 (Chr1:230295789)
Locus 356 top sentinel (TRANS), p=2.1e−12, FC=1.0966

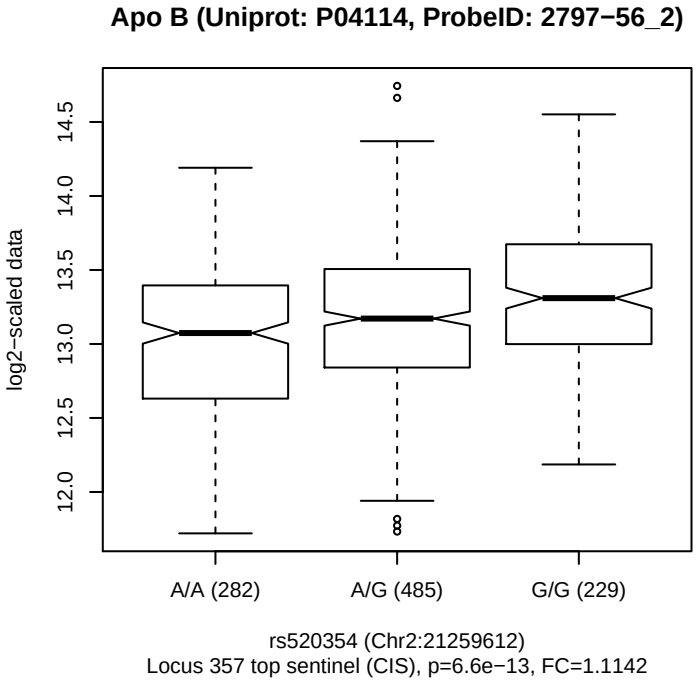

MP2K4 (Uniprot: P45985, ProbeID: 5242−37_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Dual specificity mitogen−activated protein kinase kinase 4

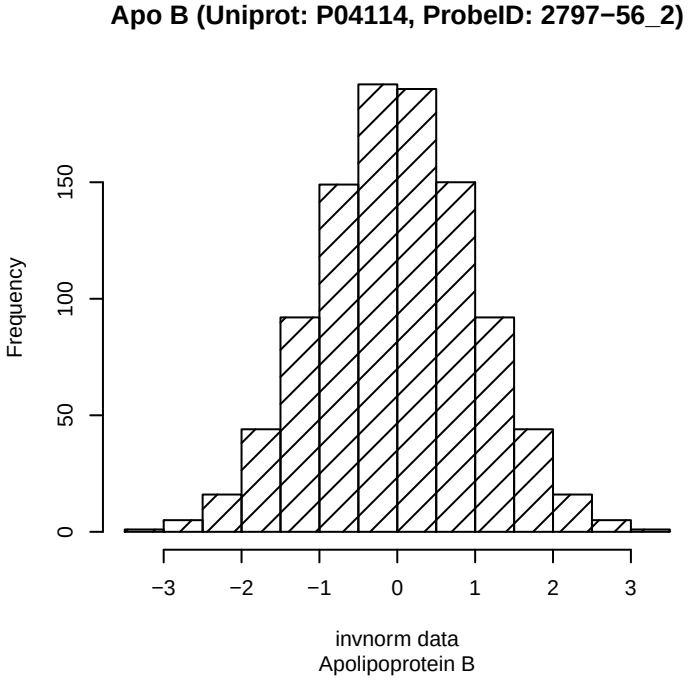

MP2K4 (Uniprot: P45985, ProbeID: 5242−37_3)
invnorm data
−3
−2
−1
0
1
2
3
T/T (332)
T/A (498)
A/A (162)
rs10127775 (Chr1:230295789)
Locus 356 top sentinel (TRANS), p=6.9e−13

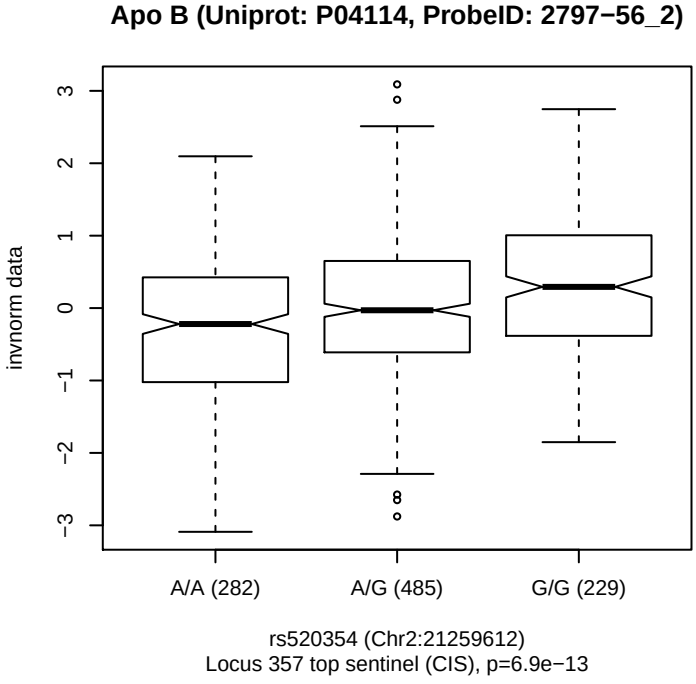

Apo B (Uniprot: P04114, ProbeID: 2797−56_2)
Frequency
0
50
100
150
200
250
5000
10000
15000
20000
25000
raw data
Apolipoprotein B


Apo B (Uniprot: P04114, ProbeID: 2797−56_2)
raw data
5000
10000
15000
20000
25000
A/A (282)
A/G (485)
G/G (229)
rs520354 (Chr2:21259612)
Locus 357 top sentinel (CIS), p=2.5e−12

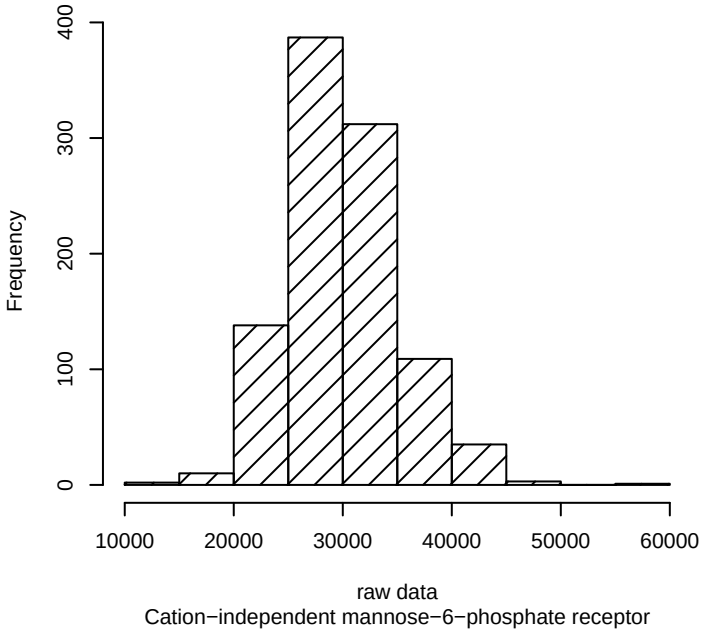

Apo B (Uniprot: P04114, ProbeID: 2797−56_2)
Frequency
0
50
100
150
11.5
12.0
12.5
13.0
13.5
14.0
14.5
log2−scaled data
Apolipoprotein B


Apo B (Uniprot: P04114, ProbeID: 2797−56_2)
log2−scaled data
12.0
12.5
13.0
13.5
14.0
14.5
A/A (282)
A/G (485)
G/G (229)
rs520354 (Chr2:21259612)
Locus 357 top sentinel (CIS), p=6.6e−13, FC=1.1142

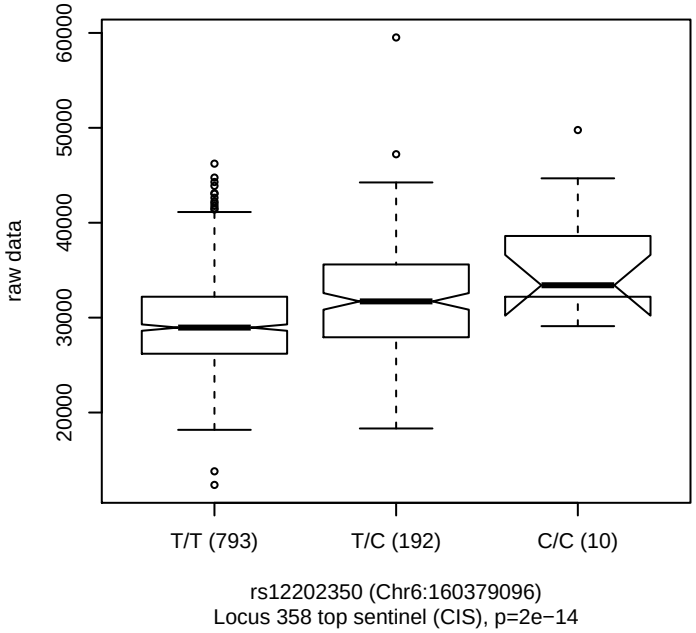

Apo B (Uniprot: P04114, ProbeID: 2797−56_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Apolipoprotein B


Apo B (Uniprot: P04114, ProbeID: 2797−56_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (282)
A/G (485)
G/G (229)
rs520354 (Chr2:21259612)
Locus 357 top sentinel (CIS), p=6.9e−13

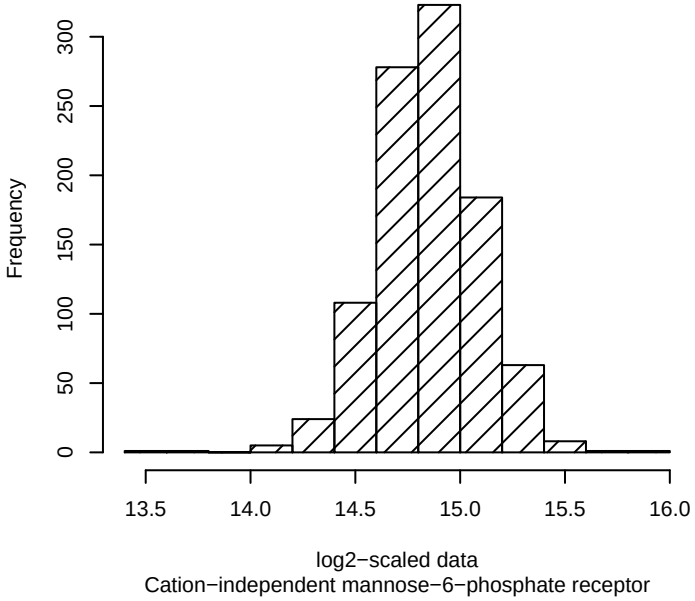
**IGF−II receptor (Uniprot: P11717, ProbeID: 3676−15_3)**



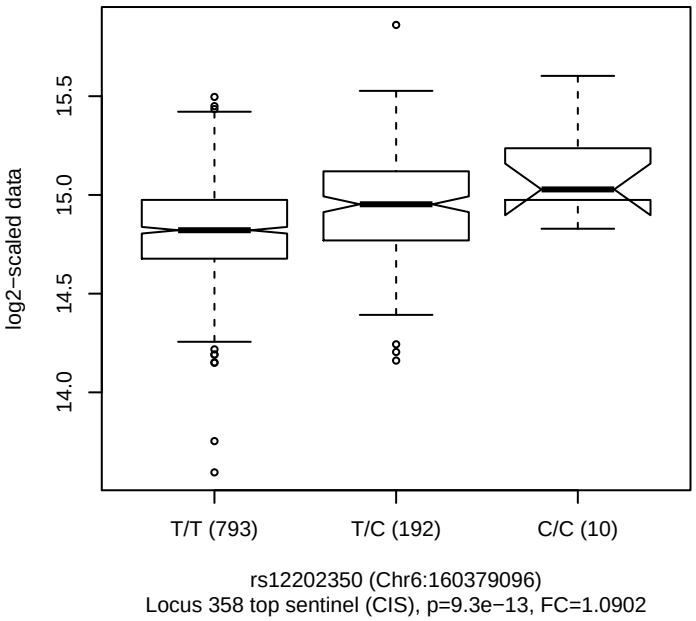

**IGF−II receptor (Uniprot: P11717, ProbeID: 3676−15_3)**



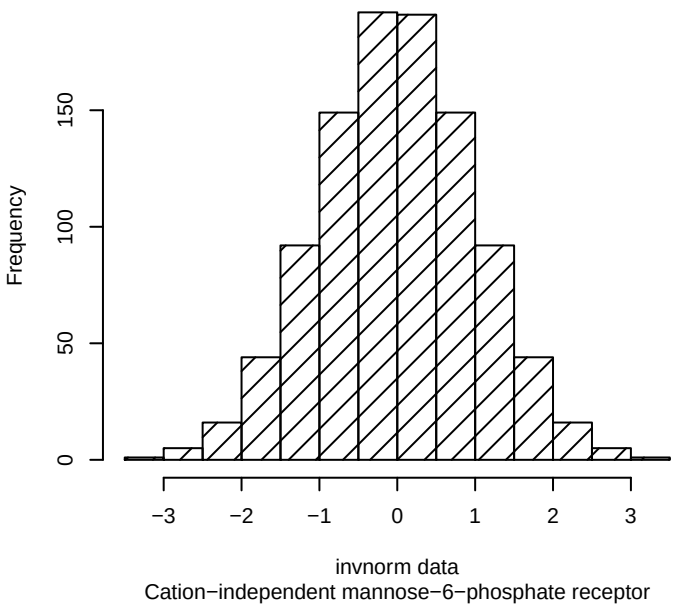

**IGF−II receptor (Uniprot: P11717, ProbeID: 3676−15_3)**



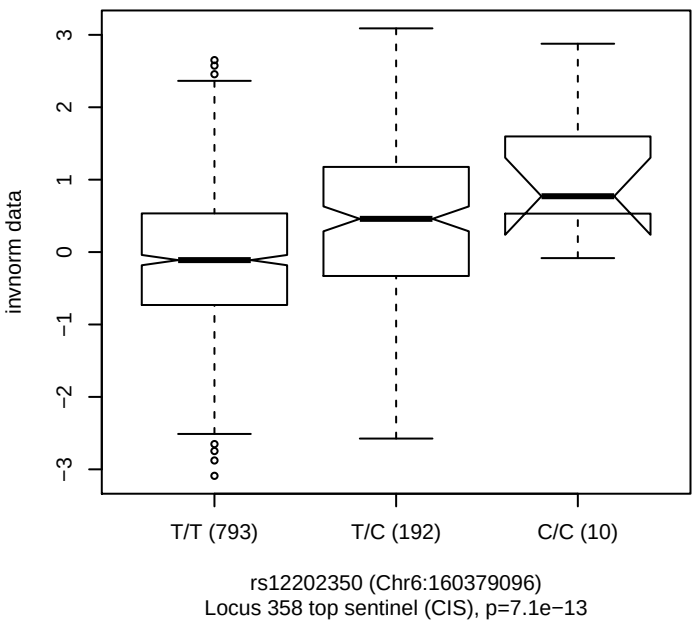

**IGF−II receptor (Uniprot: P11717, ProbeID: 3676−15_3)**

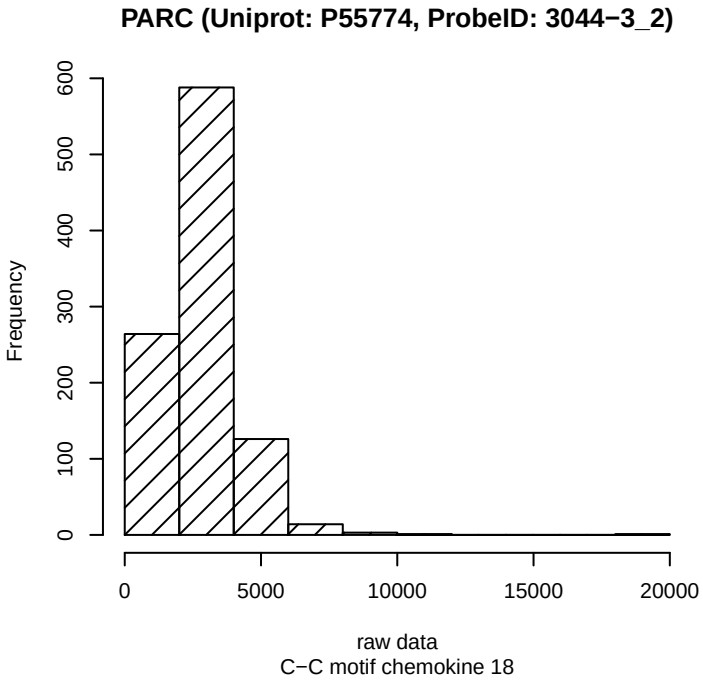


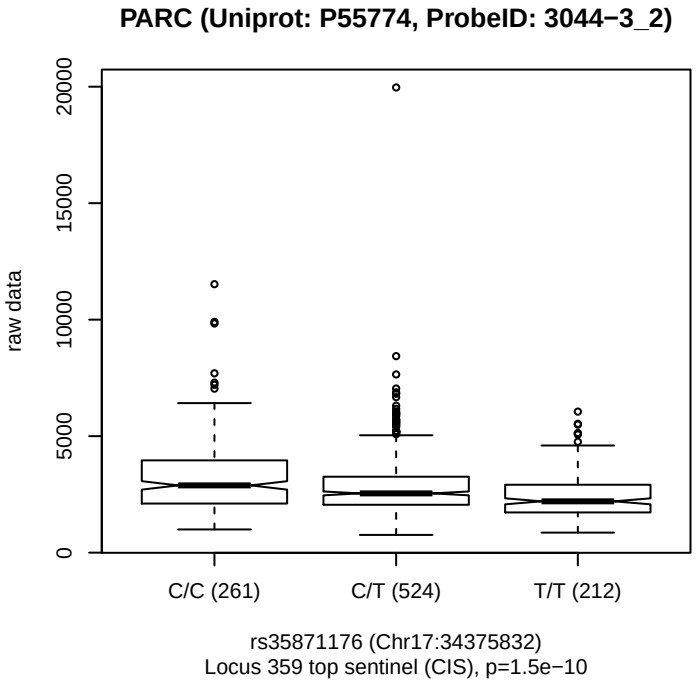

**IGF−II receptor (Uniprot: P11717, ProbeID: 3676−15_3)**

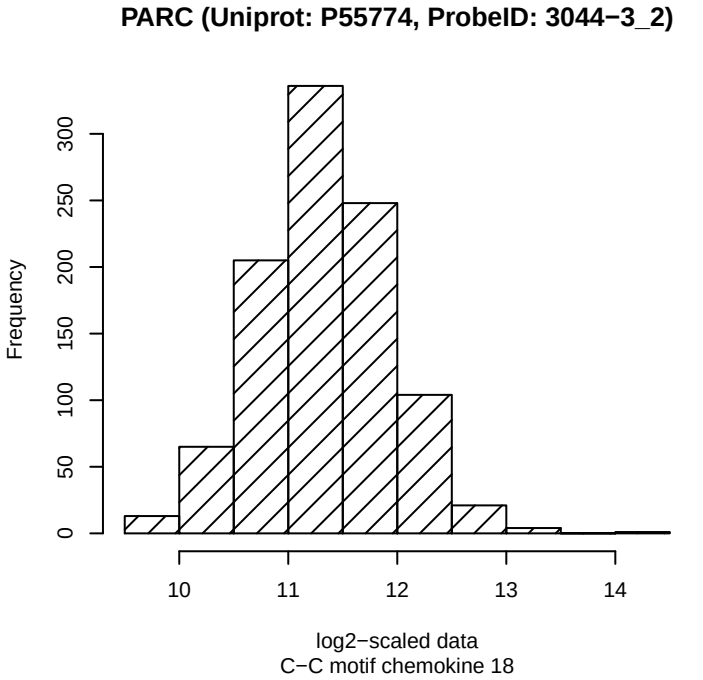


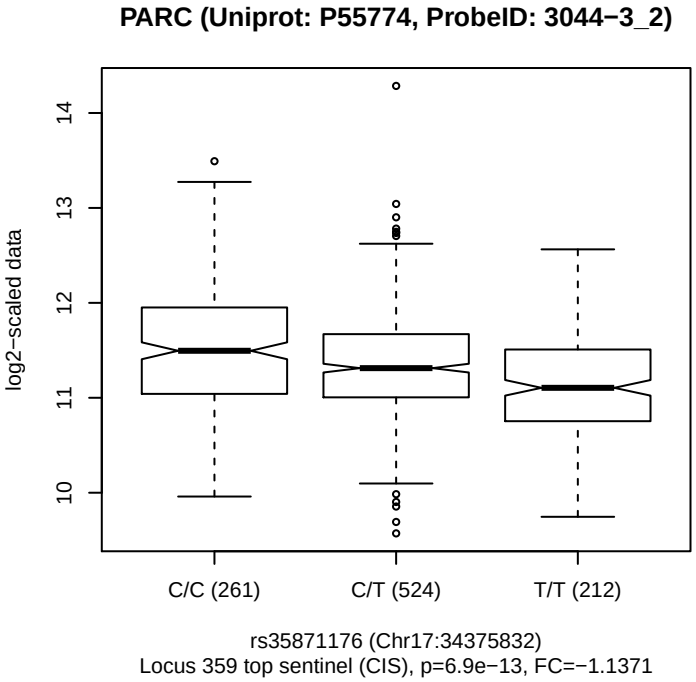

**IGF−II receptor (Uniprot: P11717, ProbeID: 3676−15_3)**

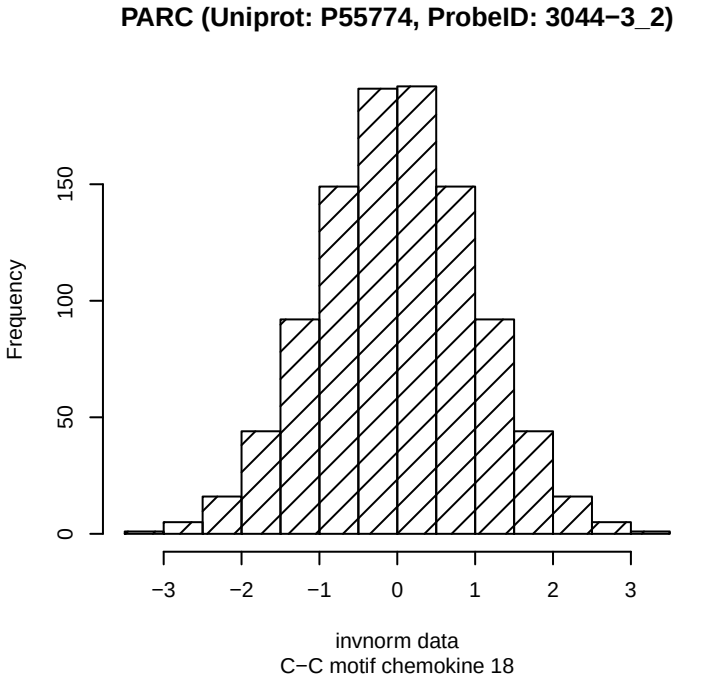


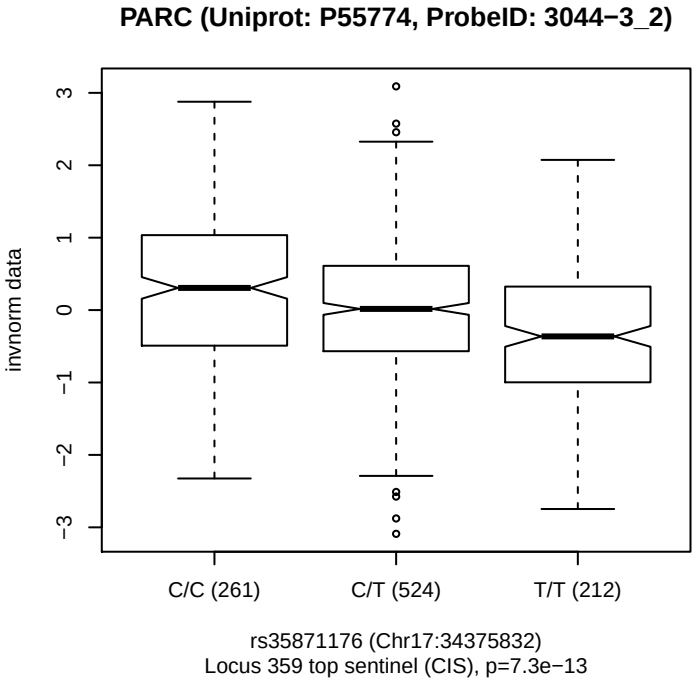

PARC (Uniprot: P55774, ProbeID: 3044−3_2)
Frequency
0
100
200
300
400
500
600
0
5000
10000
15000
20000
raw data
C−C motif chemokine 18

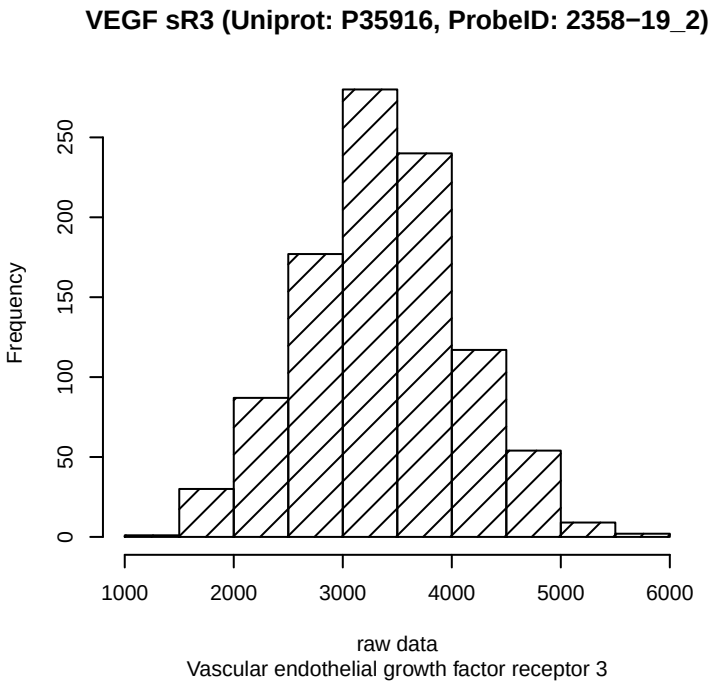

PARC (Uniprot: P55774, ProbeID: 3044−3_2)
raw data
0
5000
10000
15000
20000
C/C (261)
C/T (524)
T/T (212)
rs35871176 (Chr17:34375832)
Locus 359 top sentinel (CIS), p=1.5e−10

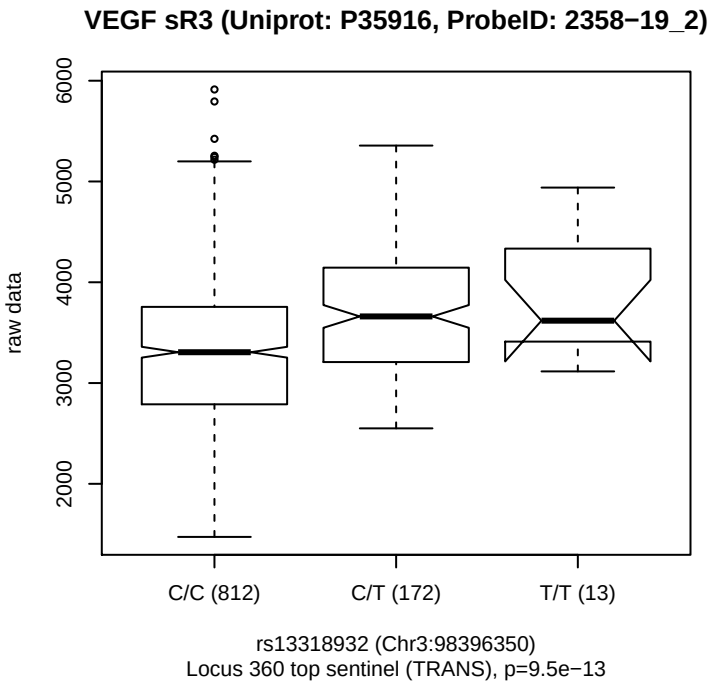

PARC (Uniprot: P55774, ProbeID: 3044−3_2)
Frequency
0
50
100
150
200
250
300
10
11
12
13
14
log2−scaled data
C−C motif chemokine 18

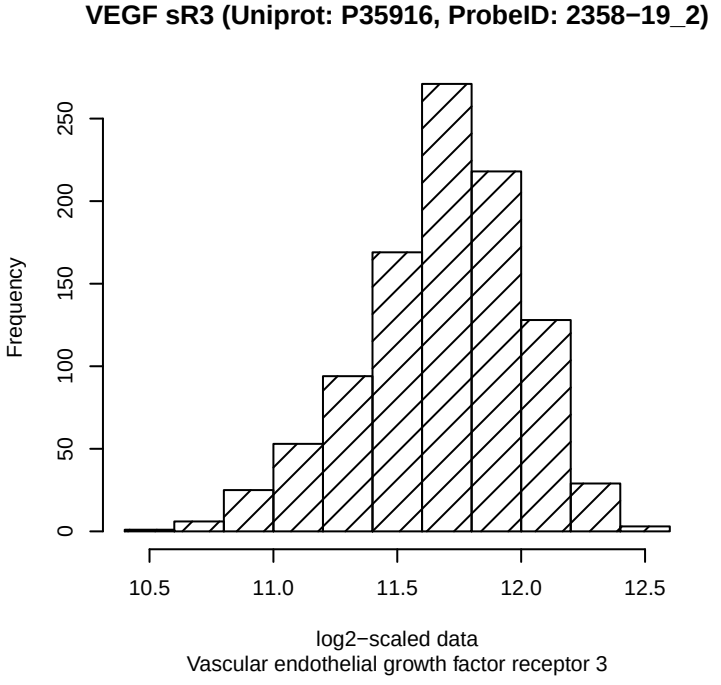

PARC (Uniprot: P55774, ProbeID: 3044−3_2)
log2−scaled data
10
11
12
13
14
C/C (261)
C/T (524)
T/T (212)
rs35871176 (Chr17:34375832)
Locus 359 top sentinel (CIS), p=6.9e−13, FC=−1.1371

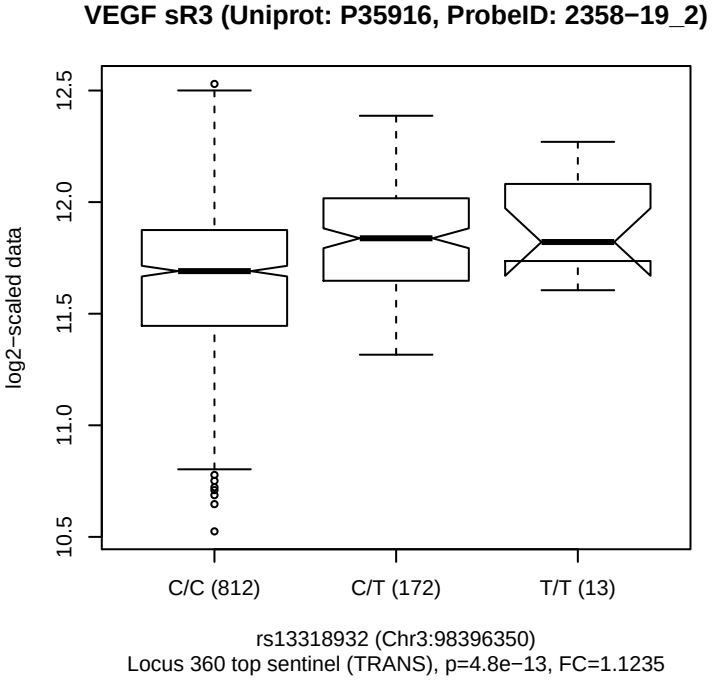

PARC (Uniprot: P55774, ProbeID: 3044−3_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 18

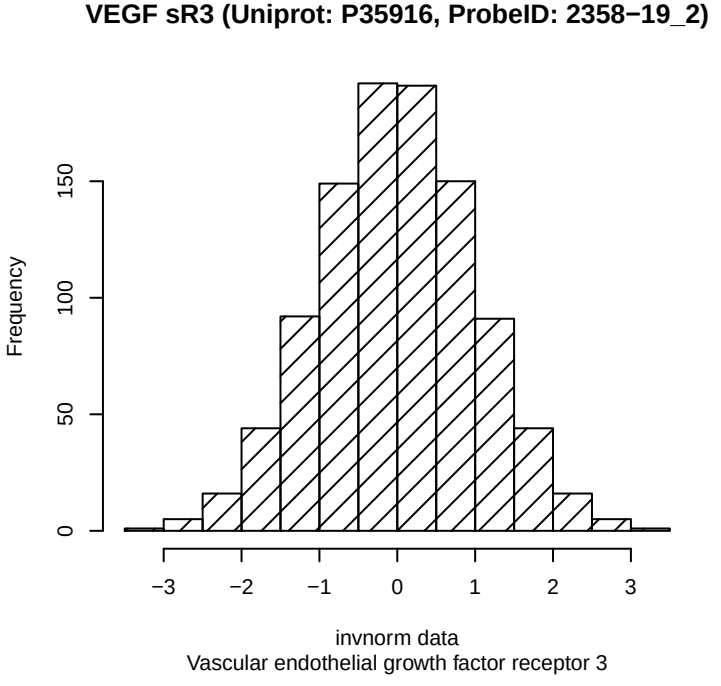

PARC (Uniprot: P55774, ProbeID: 3044−3_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (261)
C/T (524)
T/T (212)
rs35871176 (Chr17:34375832)
Locus 359 top sentinel (CIS), p=7.3e−13

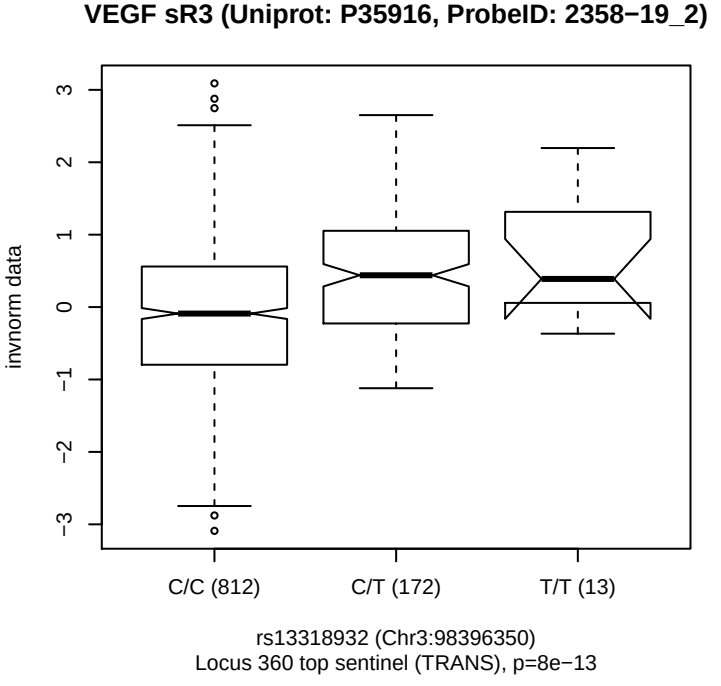

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
Frequency
0
50
100
150
200
250
1000
2000
3000
4000
5000
6000
raw data
Vascular endothelial growth factor receptor 3

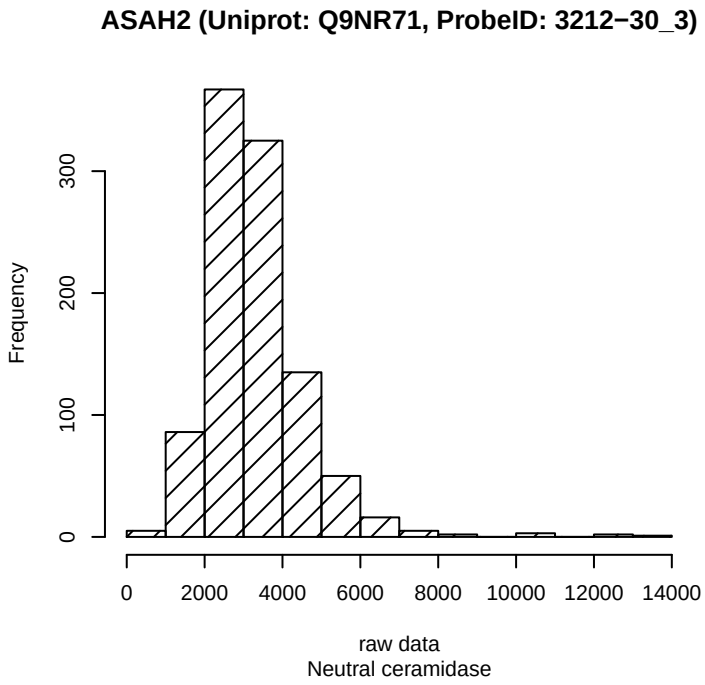

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
raw data
2000
3000
4000
5000
6000
C/C (812)
C/T (172)
T/T (13)
rs13318932 (Chr3:98396350)
Locus 360 top sentinel (TRANS), p=9.5e−13

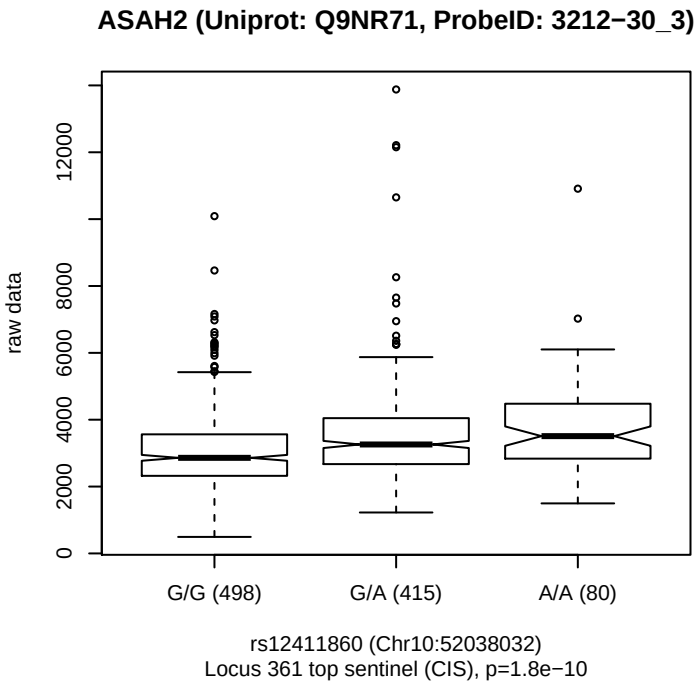

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
Frequency
0
50
100
150
200
250
10.5
11.0
11.5
12.0
12.5
log2−scaled data
Vascular endothelial growth factor receptor 3

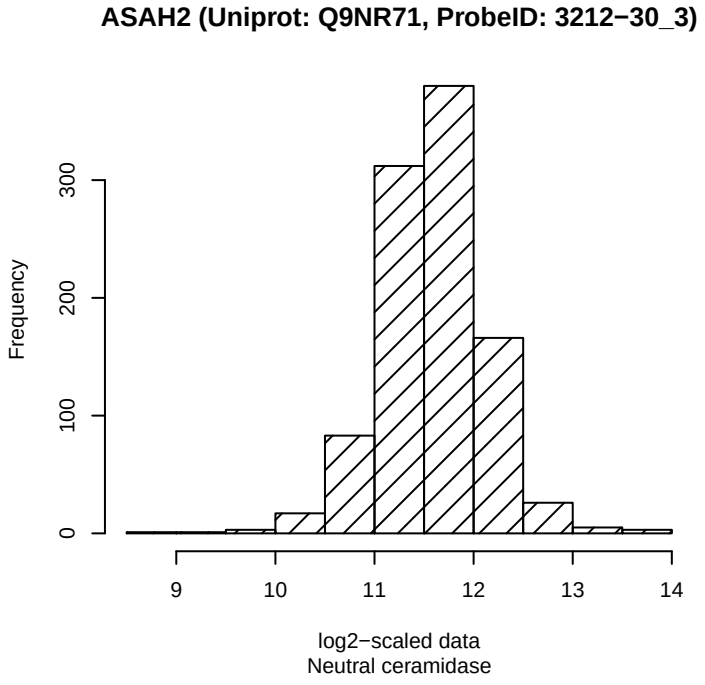

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
log2−scaled data
10.5
11.0
11.5
12.0
12.5
C/C (812)
C/T (172)
T/T (13)
rs13318932 (Chr3:98396350)
Locus 360 top sentinel (TRANS), p=4.8e−13, FC=1.1235

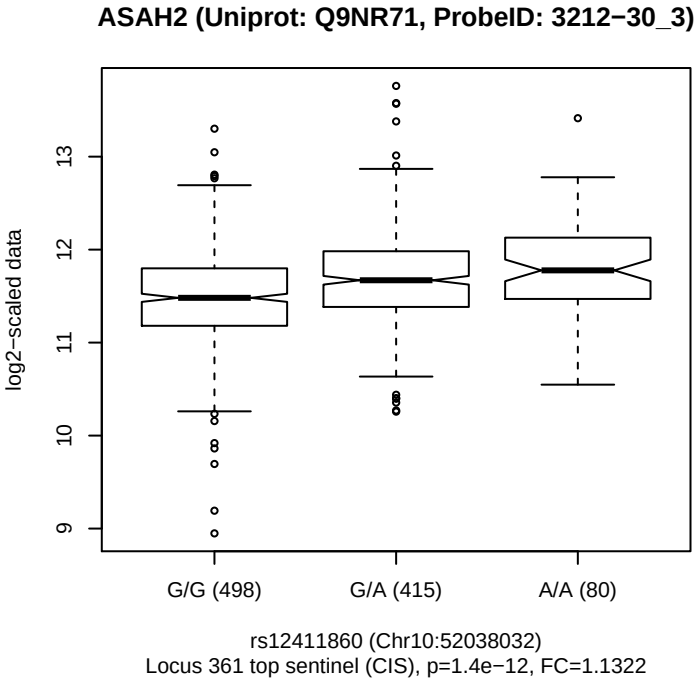

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Vascular endothelial growth factor receptor 3

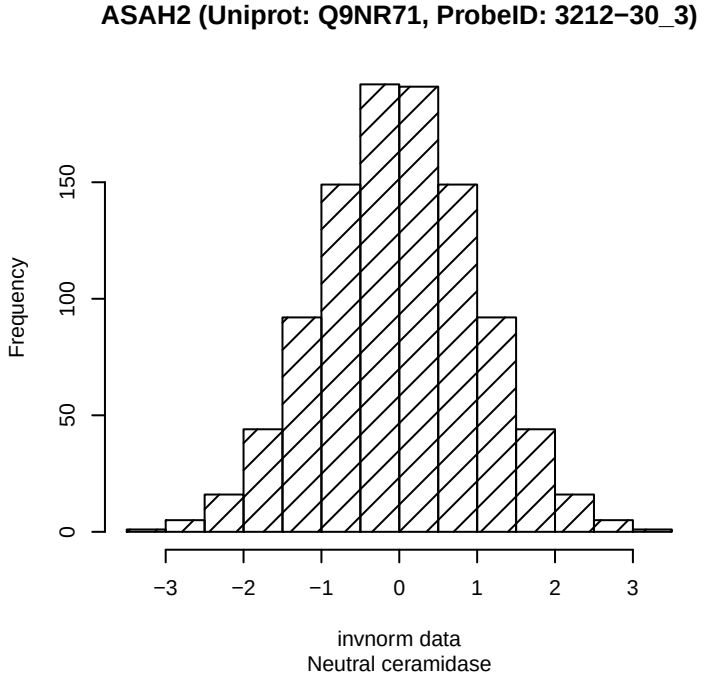

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (812)
C/T (172)
T/T (13)
rs13318932 (Chr3:98396350)
Locus 360 top sentinel (TRANS), p=8e−13

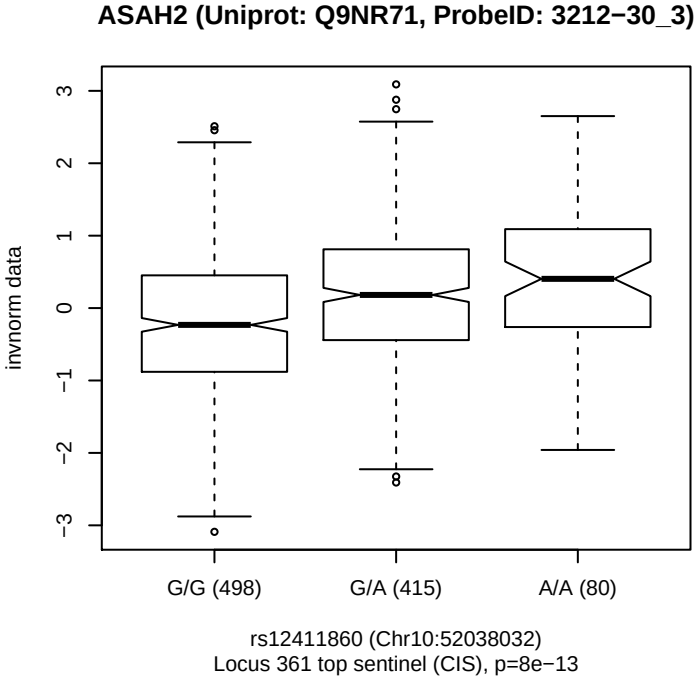

ASAH2 (Uniprot: Q9NR71, ProbeID: 3212−30_3)
Frequency
0
100
200
300
0
2000
4000
6000
8000
10000
12000
14000
raw data
Neutral ceramidase

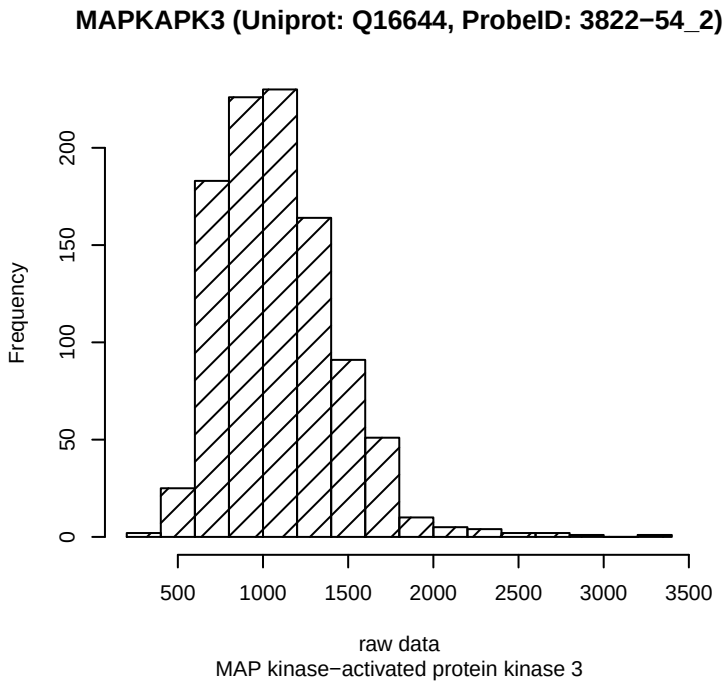

ASAH2 (Uniprot: Q9NR71, ProbeID: 3212−30_3)
raw data
0
2000
4000
6000
8000
12000
G/G (498)
G/A (415)
A/A (80)
rs12411860 (Chr10:52038032)
Locus 361 top sentinel (CIS), p=1.8e−10

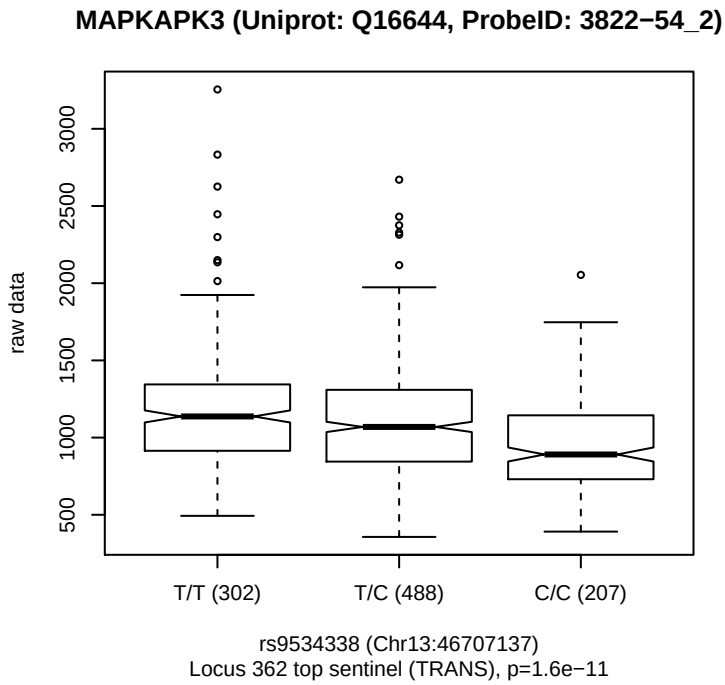

ASAH2 (Uniprot: Q9NR71, ProbeID: 3212−30_3)
Frequency
0
100
200
300
9
10
11
12
13
14
log2−scaled data
Neutral ceramidase

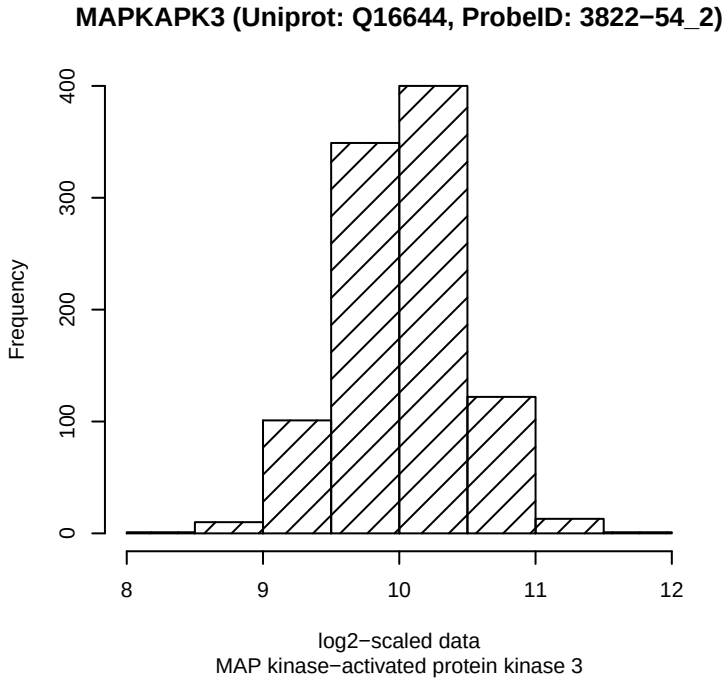

ASAH2 (Uniprot: Q9NR71, ProbeID: 3212−30_3)
log2−scaled data
9
10
11
12
13
G/G (498)
G/A (415)
A/A (80)
rs12411860 (Chr10:52038032)
Locus 361 top sentinel (CIS), p=1.4e−12, FC=1.1322

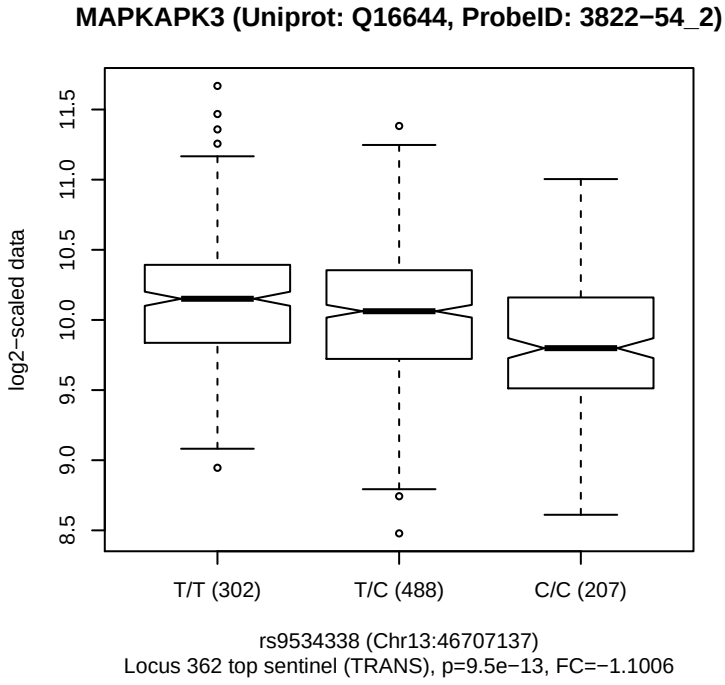

ASAH2 (Uniprot: Q9NR71, ProbeID: 3212−30_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Neutral ceramidase

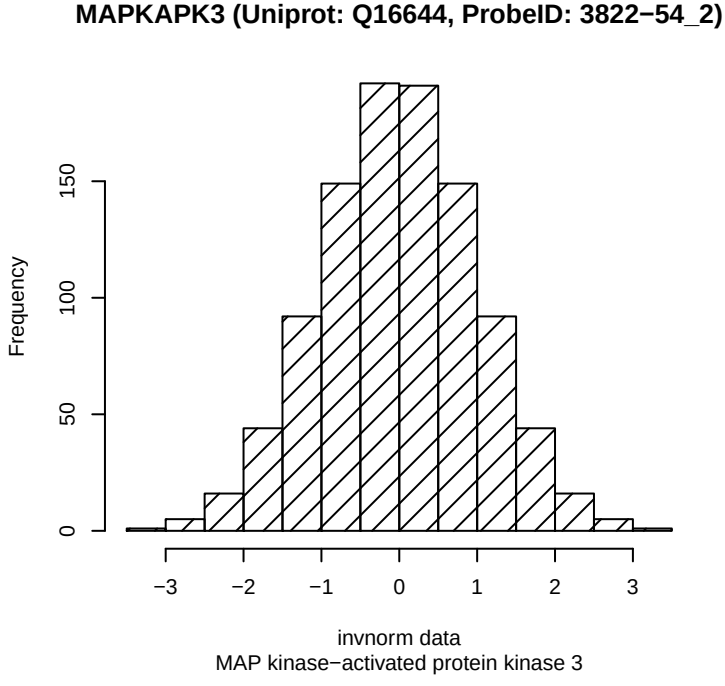

ASAH2 (Uniprot: Q9NR71, ProbeID: 3212−30_3)
invnorm data
−3
−2
−1
0
1
2
3
G/G (498)
G/A (415)
A/A (80)
rs12411860 (Chr10:52038032)
Locus 361 top sentinel (CIS), p=8e−13

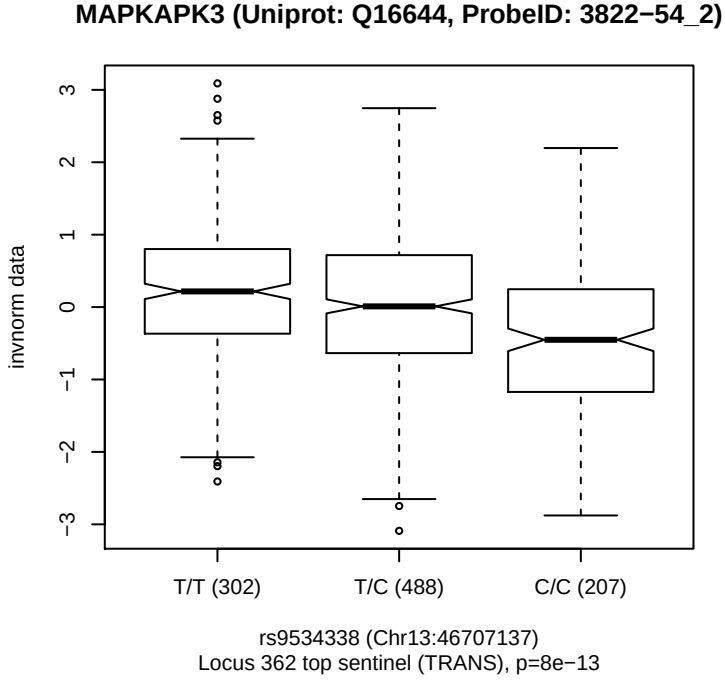

MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)
Frequency
0
50
100
150
200
500
1000
1500
2000
2500
3000
3500
raw data
MAP kinase−activated protein kinase 3

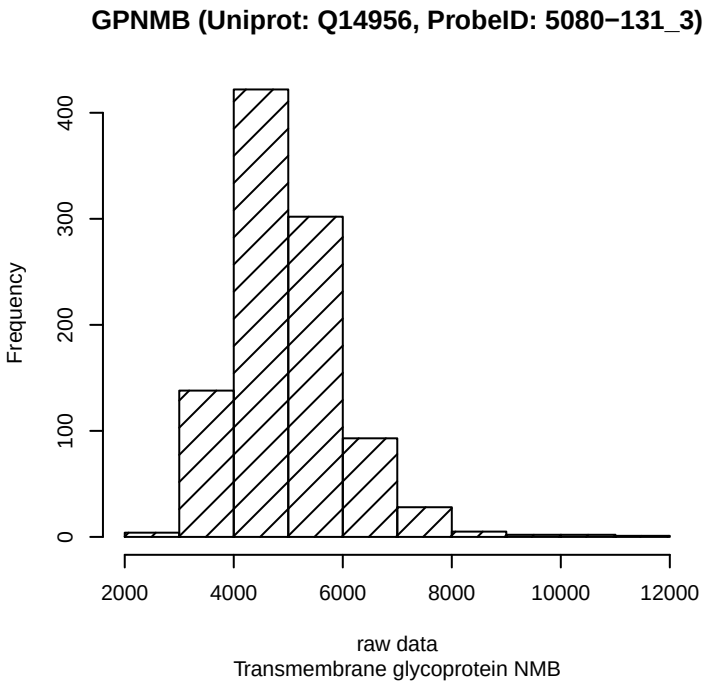

MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)
raw data
500
1000
1500
2000
2500
3000
T/T (302)
T/C (488)
C/C (207)
rs9534338 (Chr13:46707137)
Locus 362 top sentinel (TRANS), p=1.6e−11

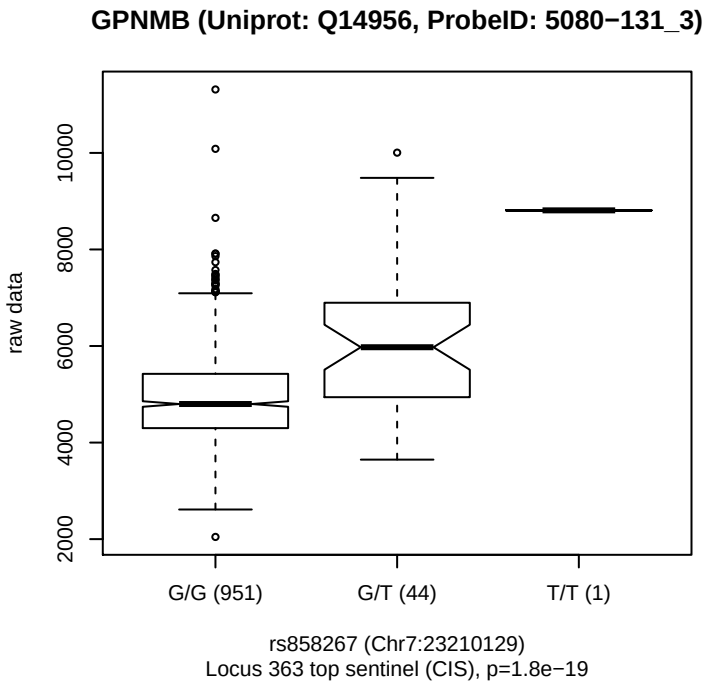

MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)
Frequency
0
100
200
300
400
8
9
10
11
12
log2−scaled data
MAP kinase−activated protein kinase 3

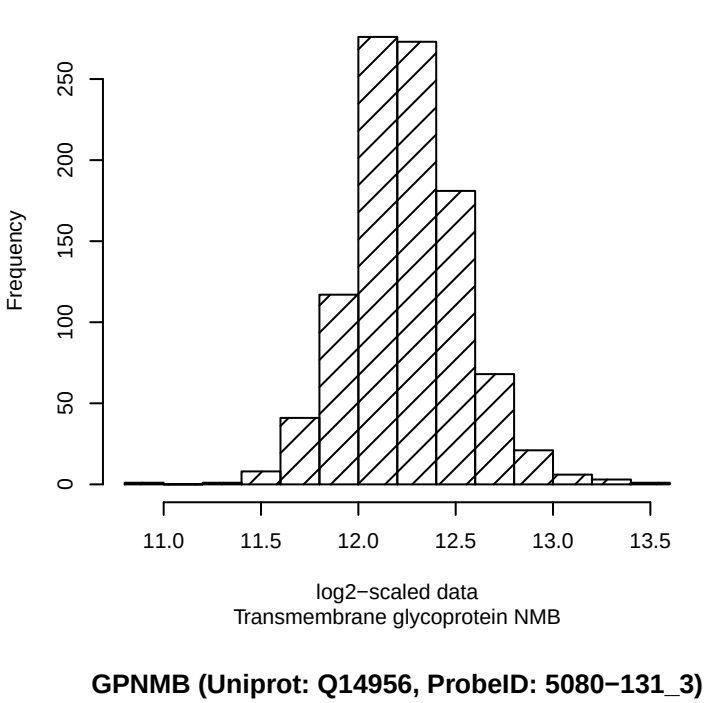

MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)
log2−scaled data
8.5
9.0
9.5
10.0
10.5
11.0
11.5
T/T (302)
T/C (488)
C/C (207)
rs9534338 (Chr13:46707137)
Locus 362 top sentinel (TRANS), p=9.5e−13, FC=−1.1006

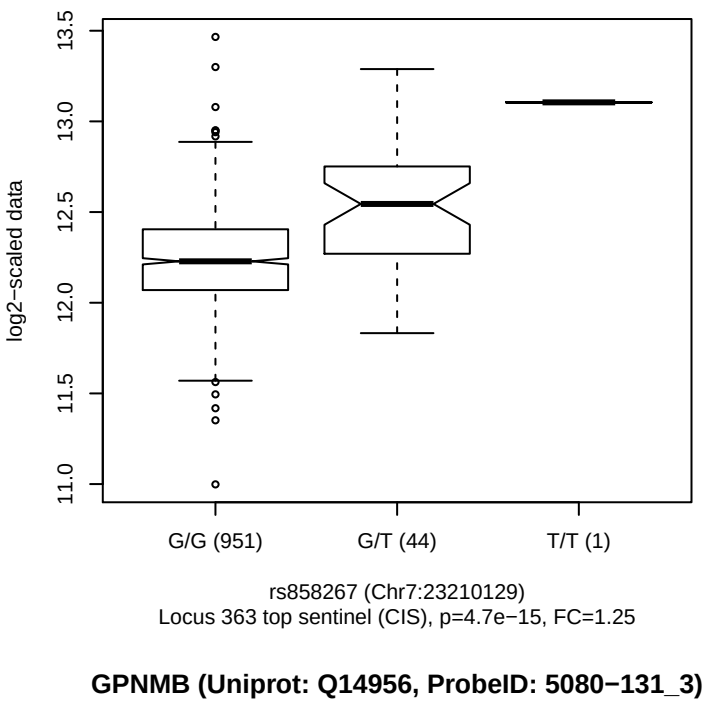

MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
MAP kinase−activated protein kinase 3

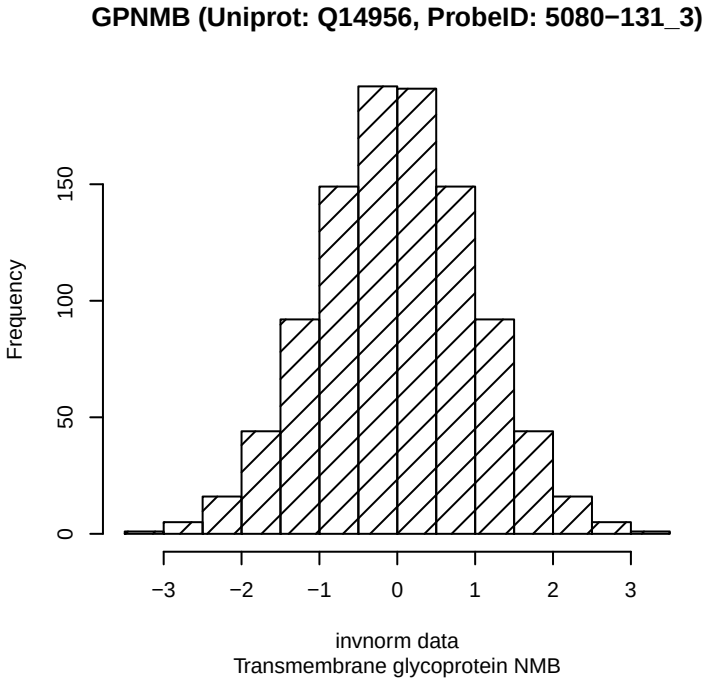

MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (302)
T/C (488)
C/C (207)
rs9534338 (Chr13:46707137)
Locus 362 top sentinel (TRANS), p=8e−13

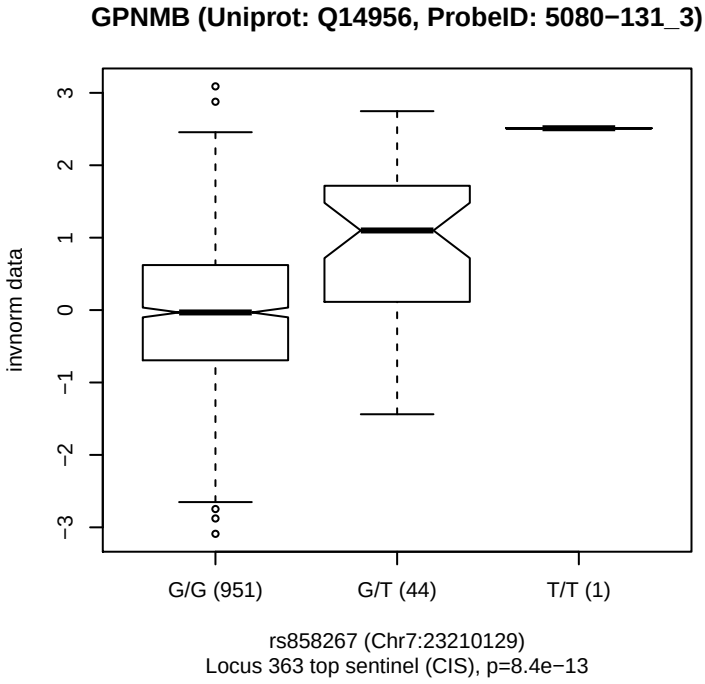

GPNMB (Uniprot: Q14956, ProbeID: 5080−131_3)
Frequency
0
100
200
300
400
2000
4000
6000
8000
10000
12000
raw data
Transmembrane glycoprotein NMB

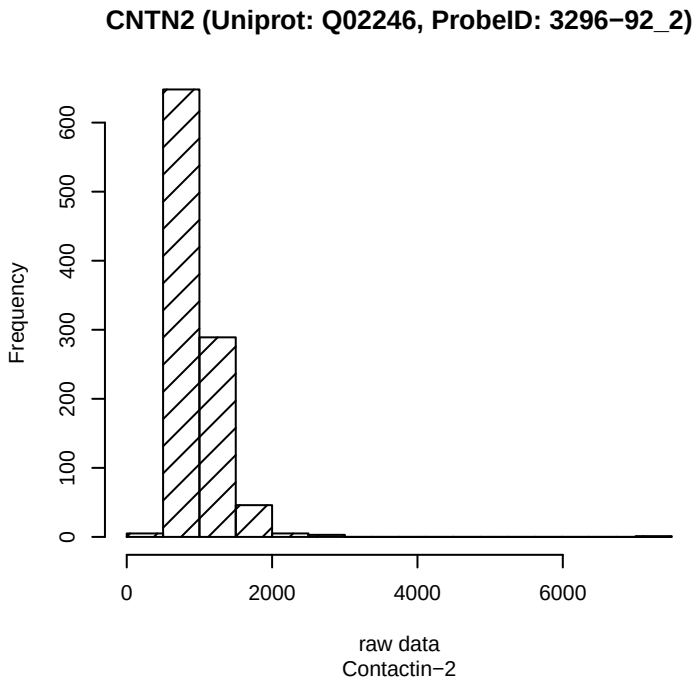

GPNMB (Uniprot: Q14956, ProbeID: 5080−131_3)
raw data
2000
4000
6000
8000
10000
G/G (951)
G/T (44)
T/T (1)
rs858267 (Chr7:23210129)
Locus 363 top sentinel (CIS), p=1.8e−19

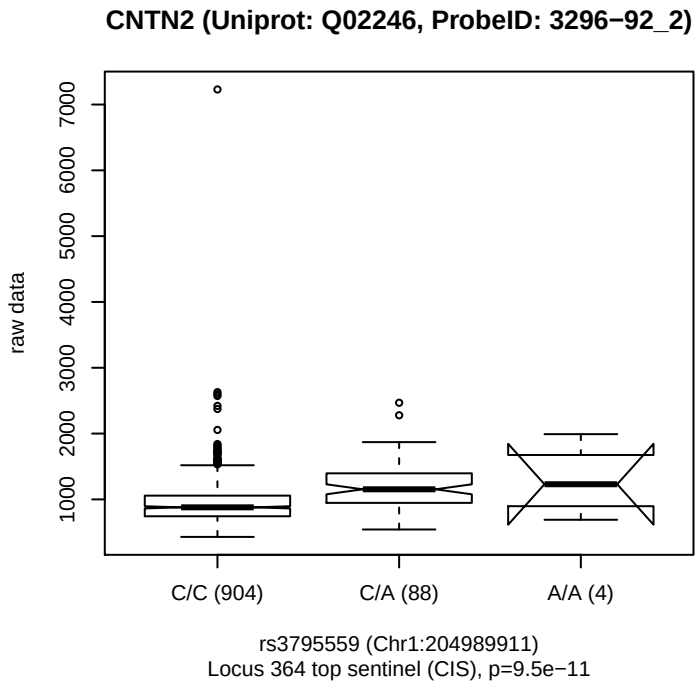

GPNMB (Uniprot: Q14956, ProbeID: 5080−131_3)
Frequency
0
50
100
150
200
250
11.0
11.5
12.0
12.5
13.0
13.5
log2−scaled data
Transmembrane glycoprotein NMB

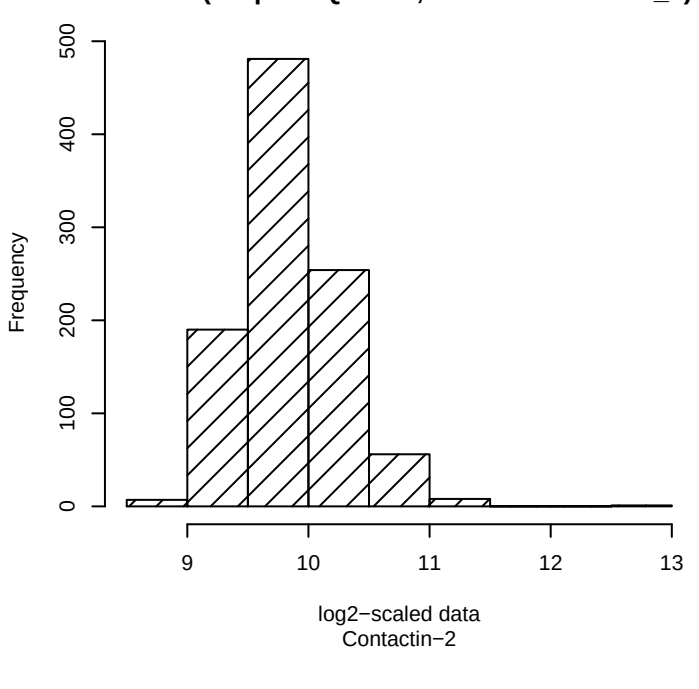

GPNMB (Uniprot: Q14956, ProbeID: 5080−131_3)
log2−scaled data
11.0
11.5
12.0
12.5
13.0
13.5
G/G (951)
G/T (44)
T/T (1)
rs858267 (Chr7:23210129)
Locus 363 top sentinel (CIS), p=4.7e−15, FC=1.25

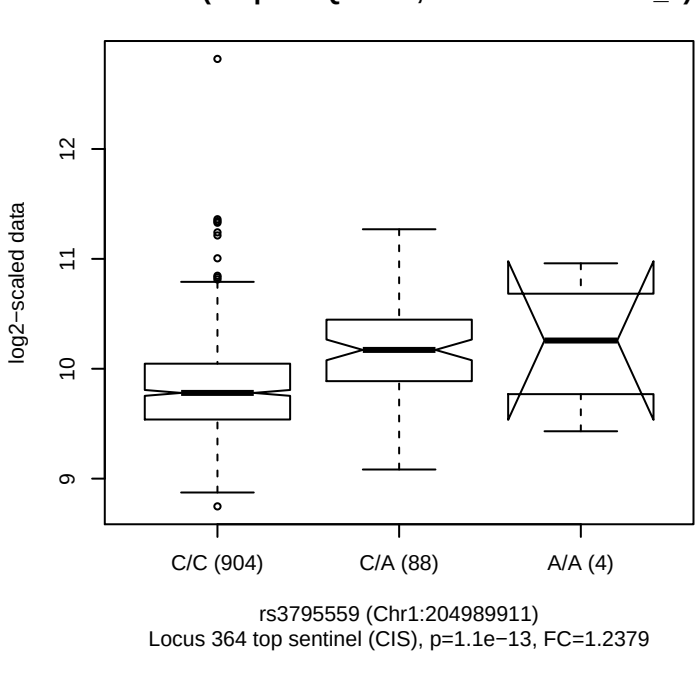

GPNMB (Uniprot: Q14956, ProbeID: 5080−131_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Transmembrane glycoprotein NMB

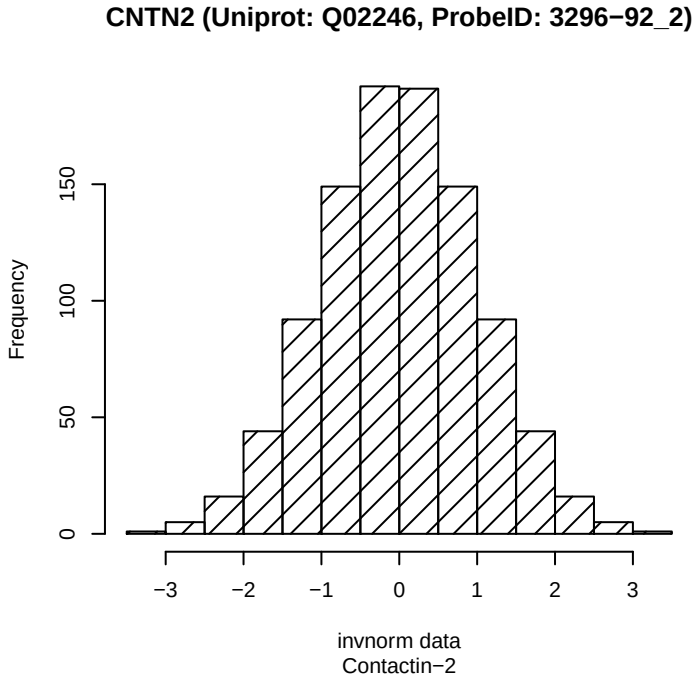

GPNMB (Uniprot: Q14956, ProbeID: 5080−131_3)
invnorm data
−3
−2
−1
0
1
2
3
G/G (951)
G/T (44)
T/T (1)
rs858267 (Chr7:23210129)
Locus 363 top sentinel (CIS), p=8.4e−13

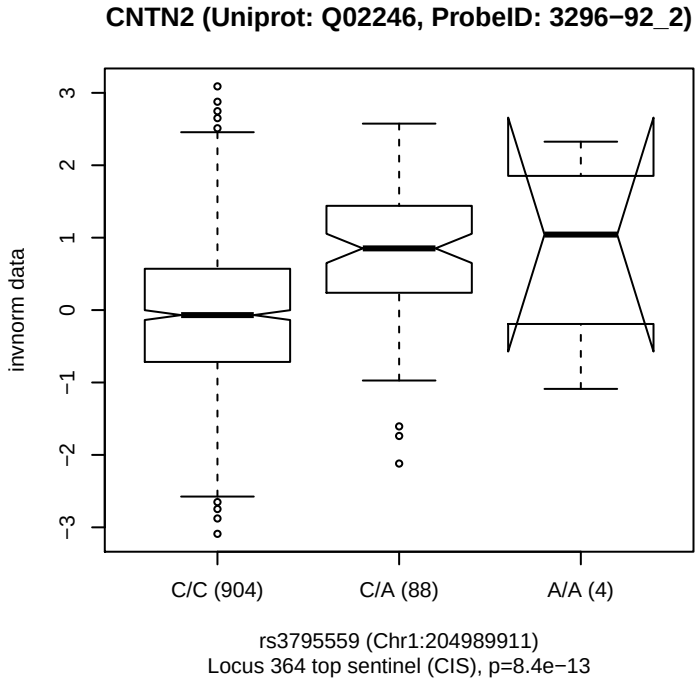

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
Frequency
0
100
200
300
400
500
600
0
2000
4000
6000
raw data
Contactin−2

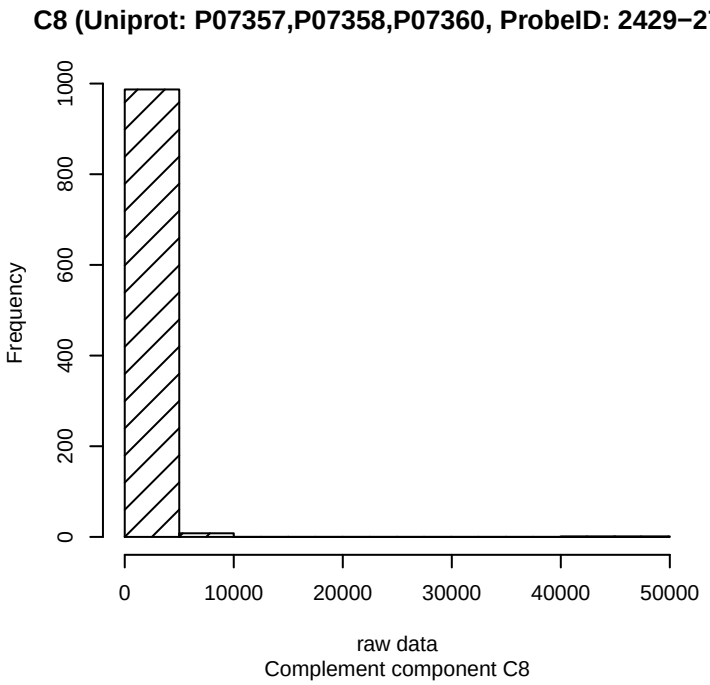

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
raw data
1000
2000
3000
4000
5000
6000
7000
C/C (904)
C/A (88)
A/A (4)
rs3795559 (Chr1:204989911)
Locus 364 top sentinel (CIS), p=9.5e−11

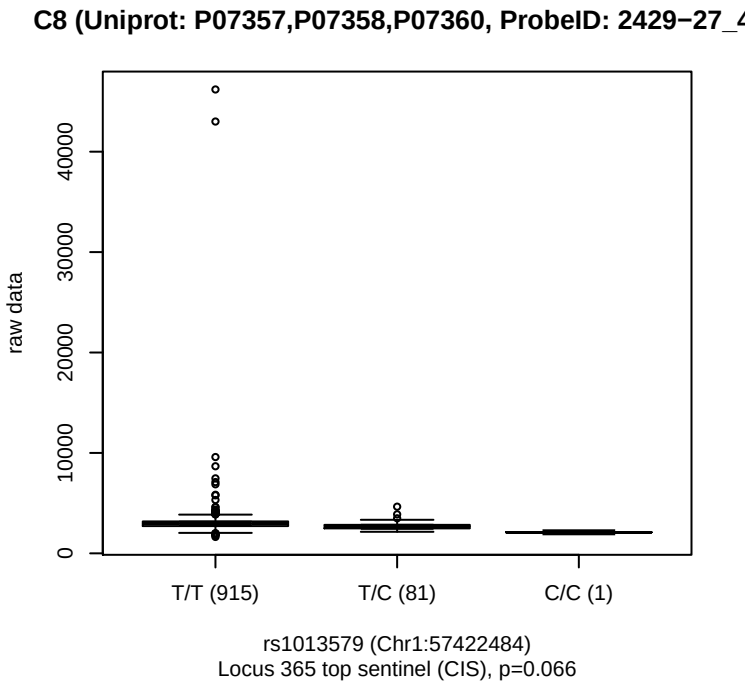

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
Frequency
0
100
200
300
400
500
9
10
11
12
13
log2−scaled data
Contactin−2

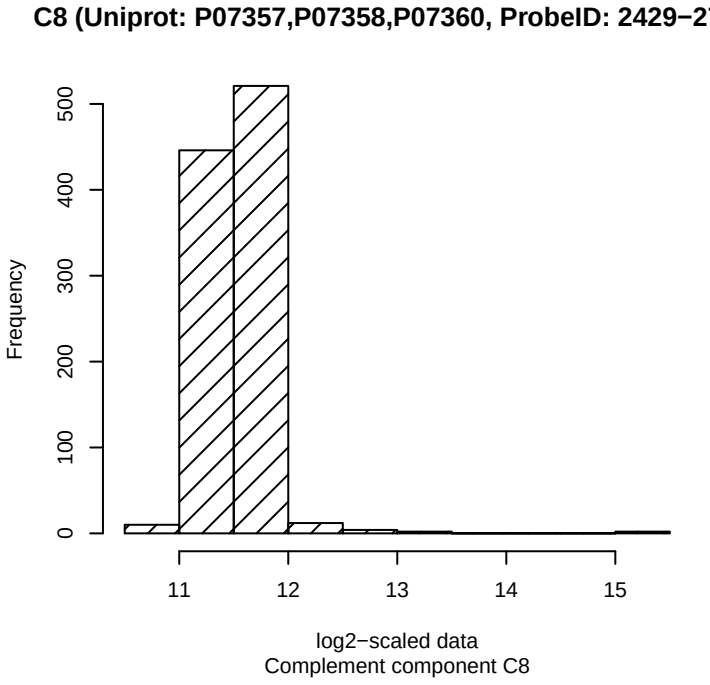

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
log2−scaled data
9
10
11
12
C/C (904)
C/A (88)
A/A (4)
rs3795559 (Chr1:204989911)
Locus 364 top sentinel (CIS), p=1.1e−13, FC=1.2379

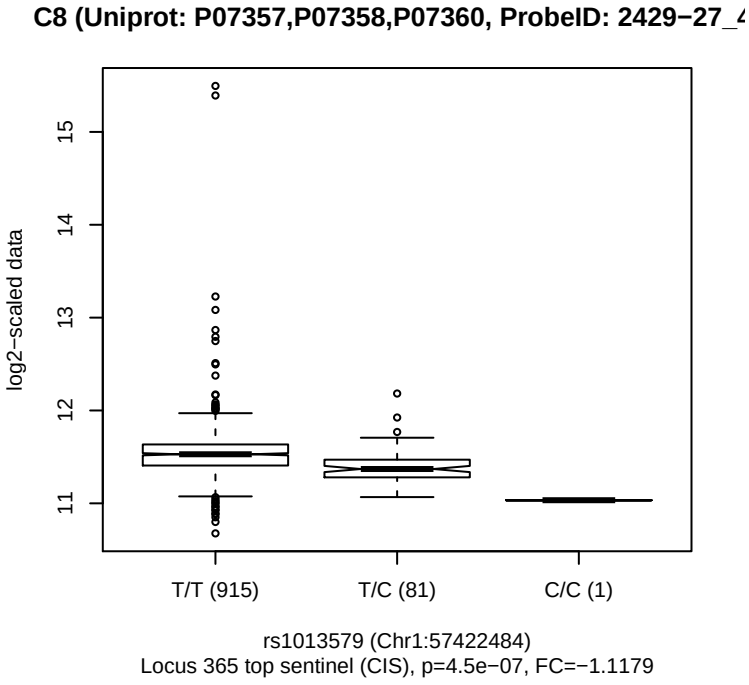

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Contactin−2

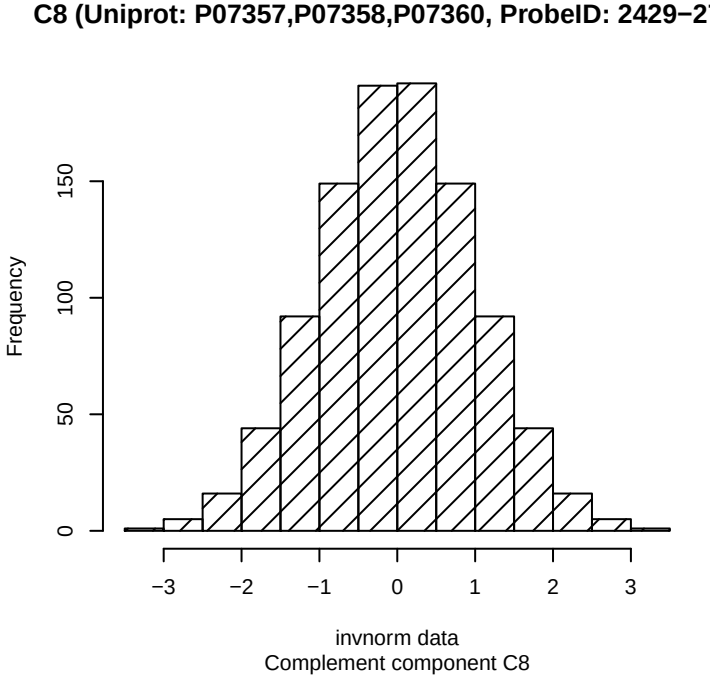

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (904)
C/A (88)
A/A (4)
rs3795559 (Chr1:204989911)
Locus 364 top sentinel (CIS), p=8.4e−13

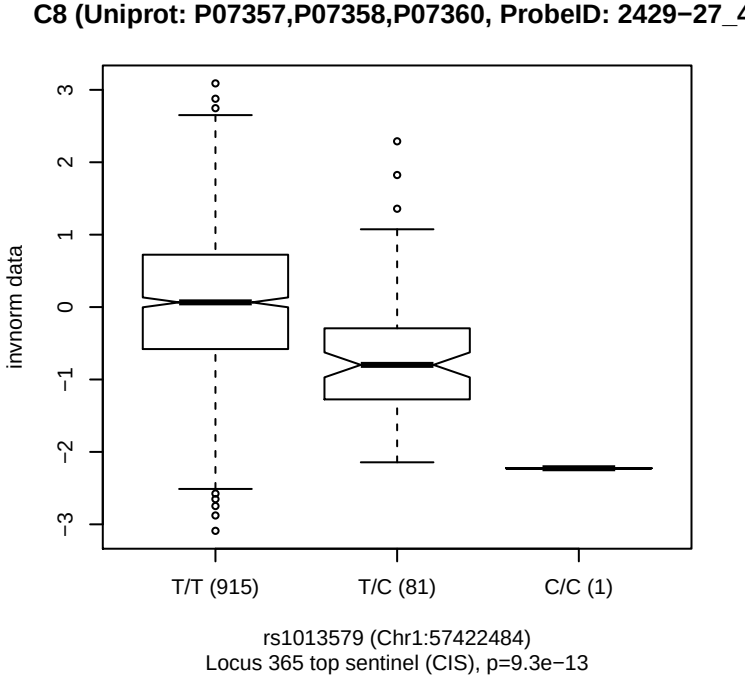

C8 (Uniprot: P07357,P07358,P07360, ProbeID: 2429−27_4
Frequency
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
raw data
Complement component C8

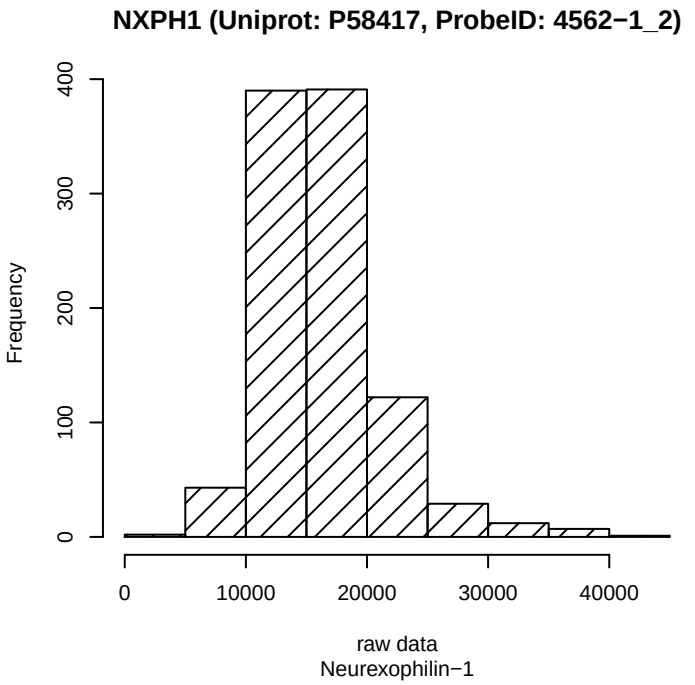

C8 (Uniprot: P07357,P07358,P07360, ProbeID: 2429−27_4
raw data
0
10000
20000
30000
40000
T/T (915)
T/C (81)
C/C (1)
rs1013579 (Chr1:57422484)
Locus 365 top sentinel (CIS), p=0.066

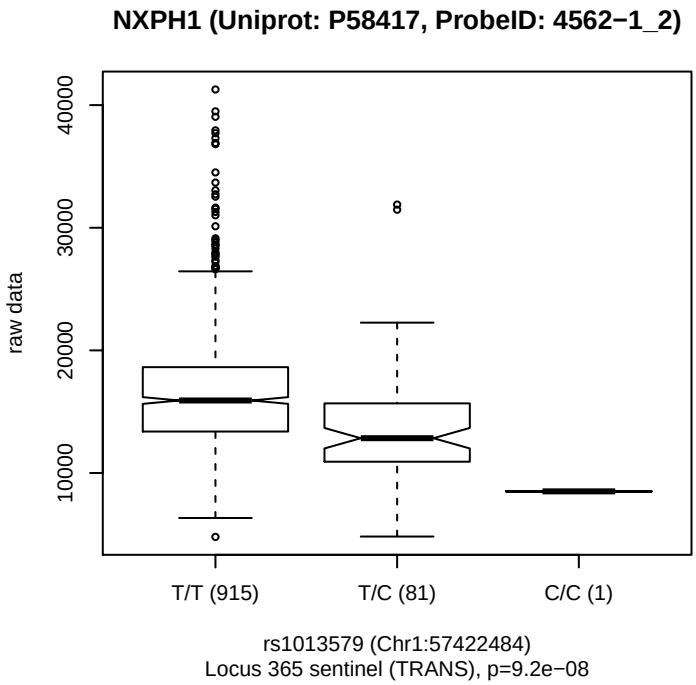

C8 (Uniprot: P07357,P07358,P07360, ProbeID: 2429−27_4
Frequency
0
100
200
300
400
500
11
12
13
14
15
log2−scaled data
Complement component C8

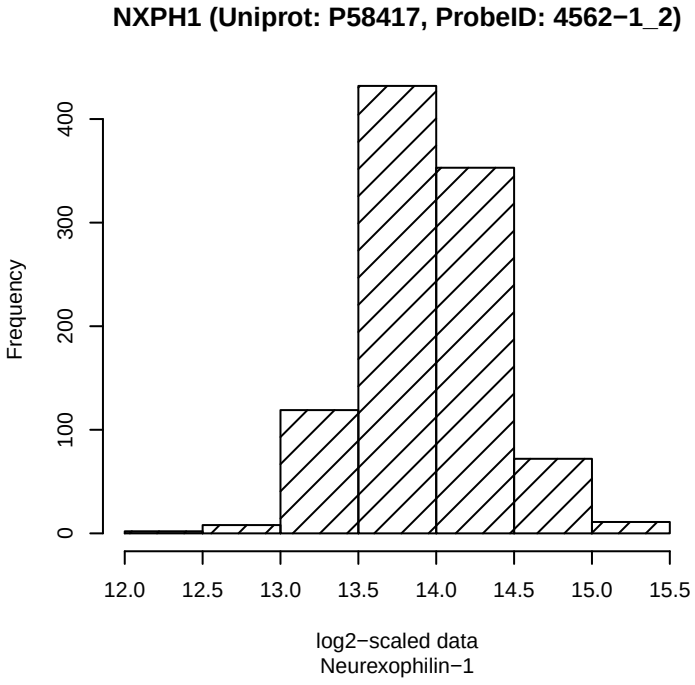

C8 (Uniprot: P07357,P07358,P07360, ProbeID: 2429−27_4
log2−scaled data
11
12
13
14
15
T/T (915)
T/C (81)
C/C (1)
rs1013579 (Chr1:57422484)
Locus 365 top sentinel (CIS), p=4.5e−07, FC=−1.1179

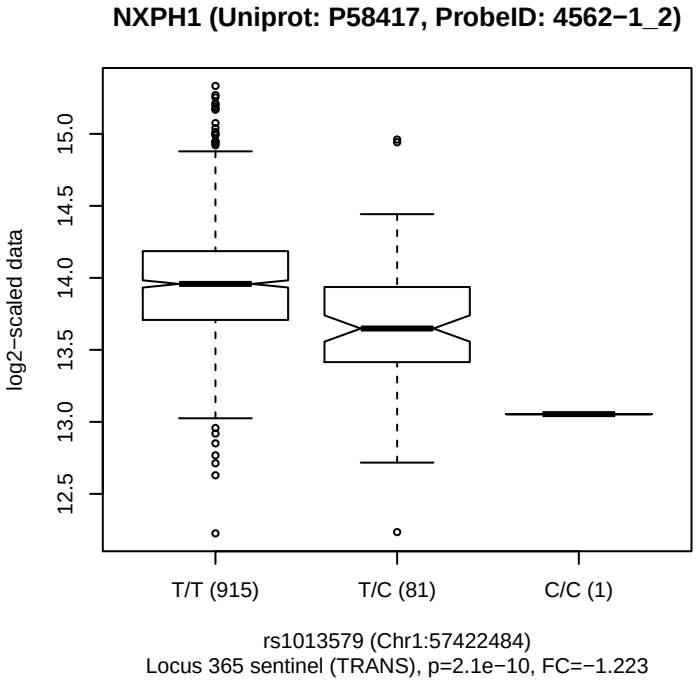

C8 (Uniprot: P07357,P07358,P07360, ProbeID: 2429−27_4
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Complement component C8

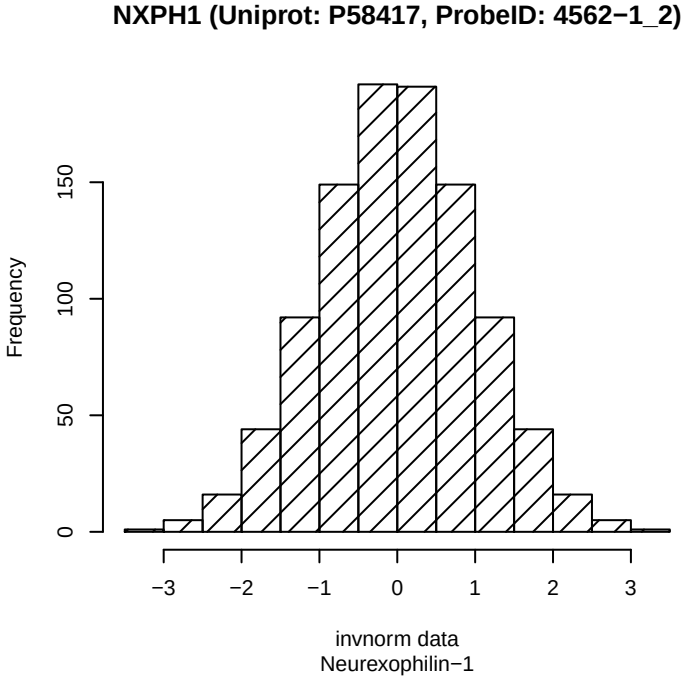

C8 (Uniprot: P07357,P07358,P07360, ProbeID: 2429−27_4
invnorm data
−3
−2
−1
0
1
2
3
T/T (915)
T/C (81)
C/C (1)
rs1013579 (Chr1:57422484)
Locus 365 top sentinel (CIS), p=9.3e−13

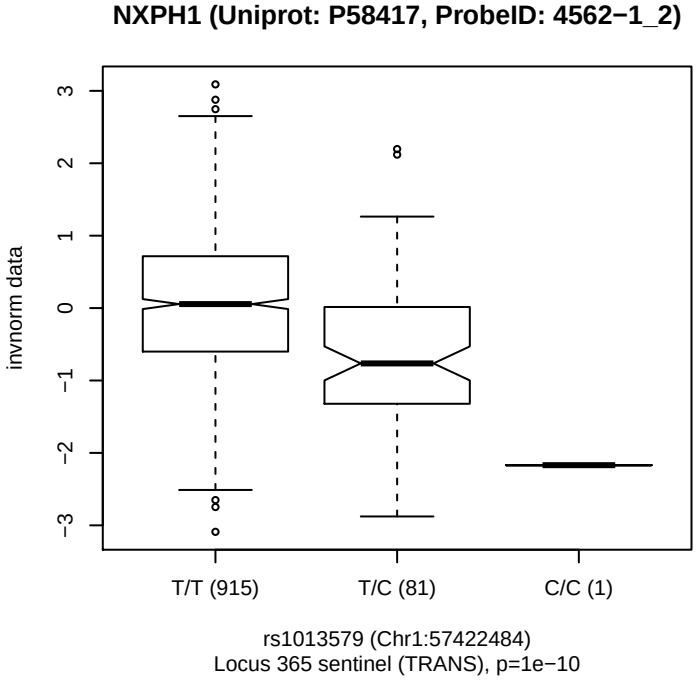

NXPH1 (Uniprot: P58417, ProbeID: 4562−1_2)
Frequency
0
100
200
300
400
0
10000
20000
30000
40000
raw data
Neurexophilin−1

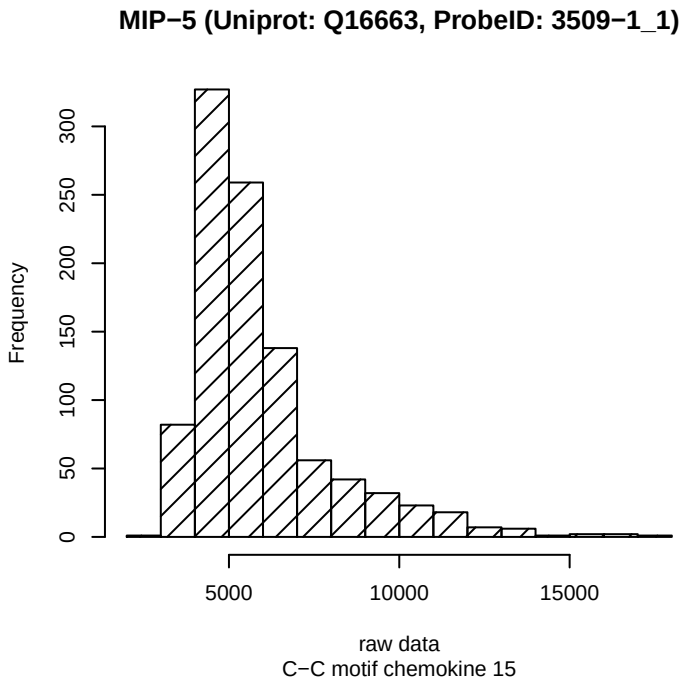

NXPH1 (Uniprot: P58417, ProbeID: 4562−1_2)
raw data
10000
20000
30000
40000
T/T (915)
T/C (81)
C/C (1)
rs1013579 (Chr1:57422484)
Locus 365 sentinel (TRANS), p=9.2e−08

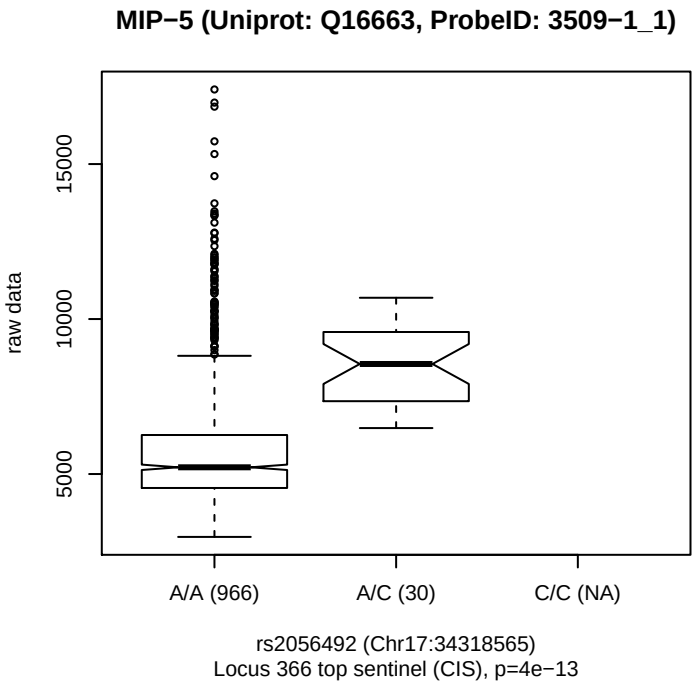

NXPH1 (Uniprot: P58417, ProbeID: 4562−1_2)
Frequency
0
100
200
300
400
12.0
12.5
13.0
13.5
14.0
14.5
15.0
15.5
log2−scaled data
Neurexophilin−1

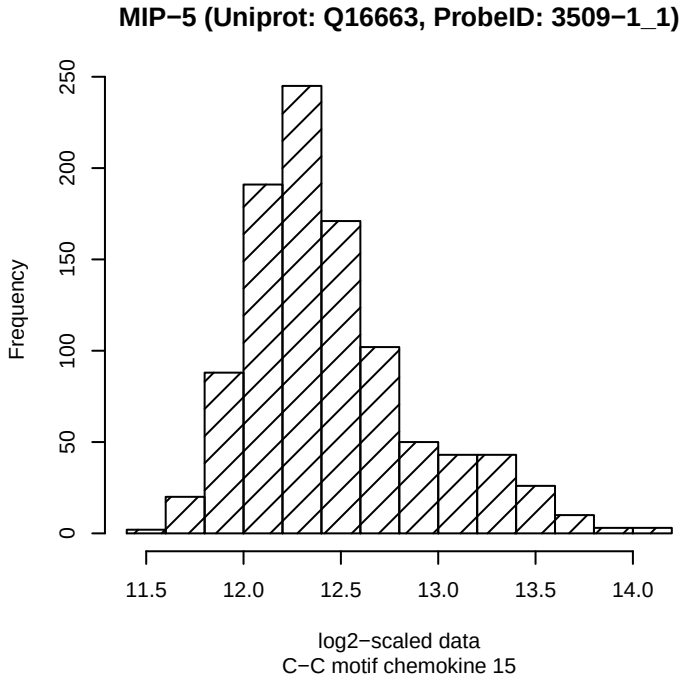

NXPH1 (Uniprot: P58417, ProbeID: 4562−1_2)
log2−scaled data
12.5
13.0
13.5
14.0
14.5
15.0
T/T (915)
T/C (81)
C/C (1)
rs1013579 (Chr1:57422484)
Locus 365 sentinel (TRANS), p=2.1e−10, FC=−1.223

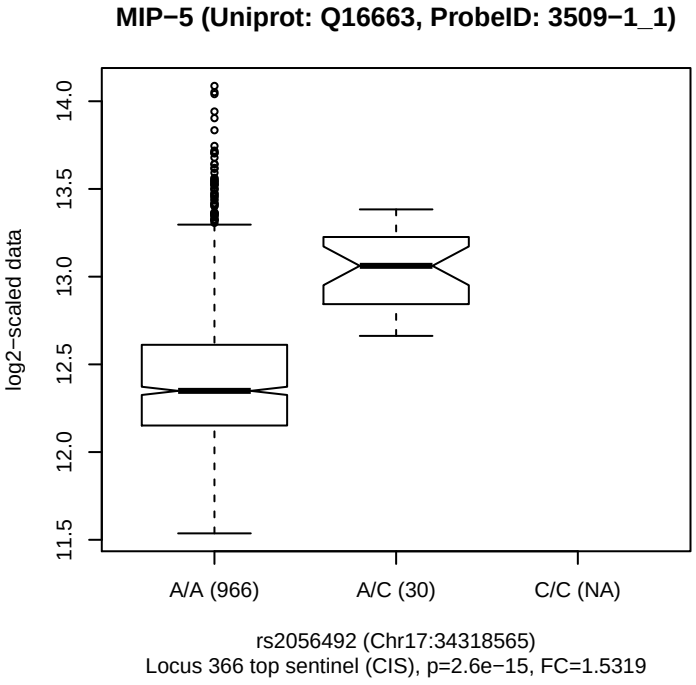

NXPH1 (Uniprot: P58417, ProbeID: 4562−1_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Neurexophilin−1

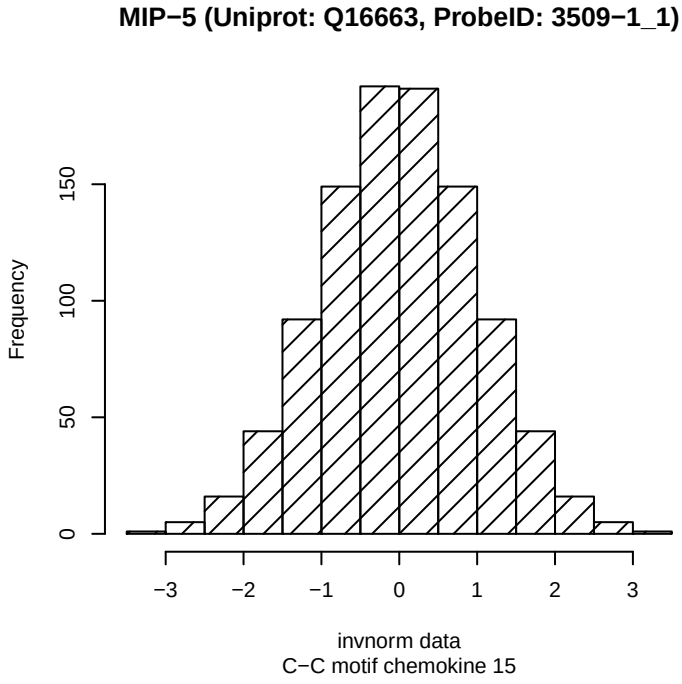

NXPH1 (Uniprot: P58417, ProbeID: 4562−1_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (915)
T/C (81)
C/C (1)
rs1013579 (Chr1:57422484)
Locus 365 sentinel (TRANS), p=1e−10

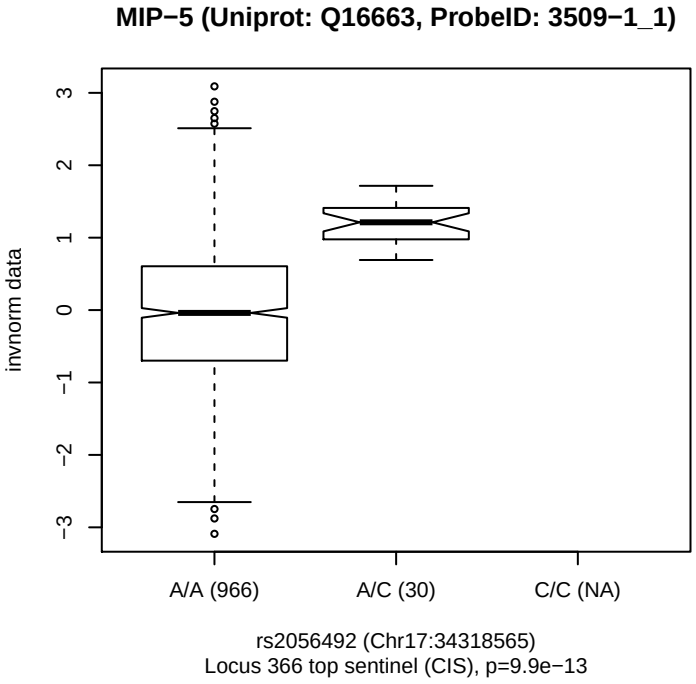

MIP−5 (Uniprot: Q16663, ProbeID: 3509−1_1)
Frequency
0
50
100
150
200
250
300
5000
10000
15000
raw data
C−C motif chemokine 15

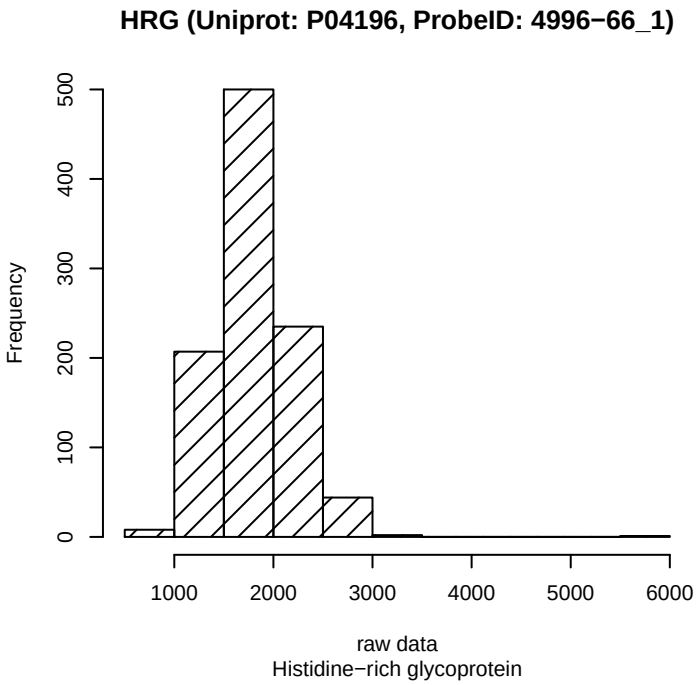

MIP−5 (Uniprot: Q16663, ProbeID: 3509−1_1)
raw data
5000
10000
15000
A/A (966)
A/C (30)
C/C (NA)
rs2056492 (Chr17:34318565)
Locus 366 top sentinel (CIS), p=4e−13

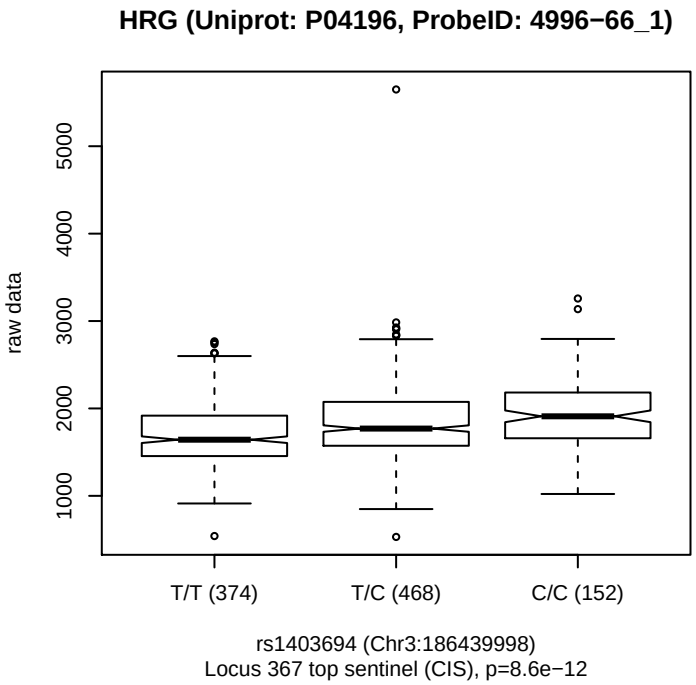

MIP−5 (Uniprot: Q16663, ProbeID: 3509−1_1)
Frequency
0
50
100
150
200
250
11.5
12.0
12.5
13.0
13.5
14.0
log2−scaled data
C−C motif chemokine 15

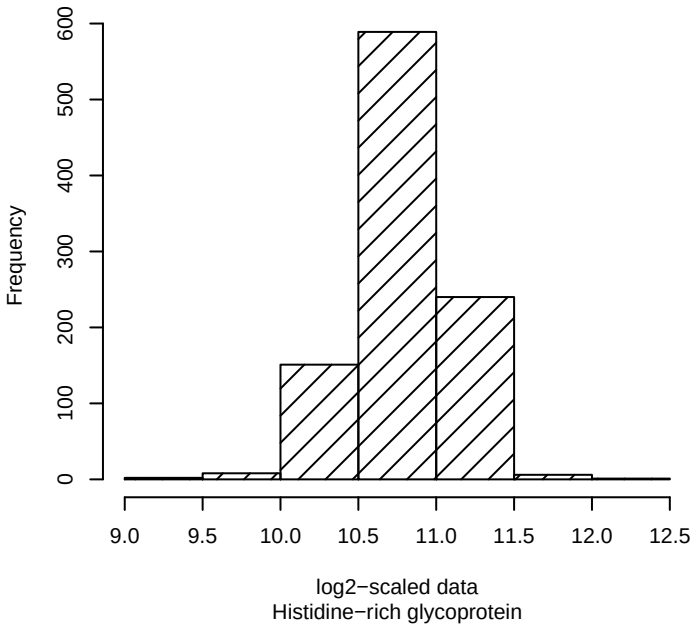

MIP−5 (Uniprot: Q16663, ProbeID: 3509−1_1)
log2−scaled data
11.5
12.0
12.5
13.0
13.5
14.0
A/A (966)
A/C (30)
C/C (NA)
rs2056492 (Chr17:34318565)
Locus 366 top sentinel (CIS), p=2.6e−15, FC=1.5319

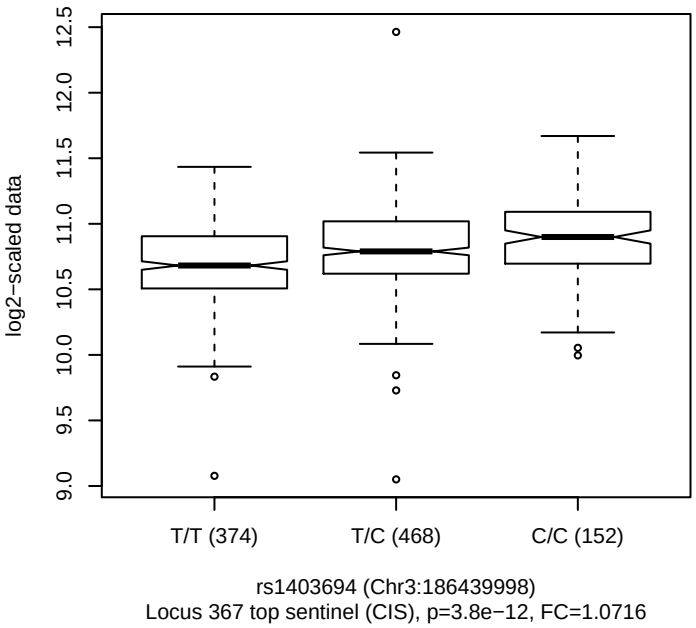

MIP−5 (Uniprot: Q16663, ProbeID: 3509−1_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 15

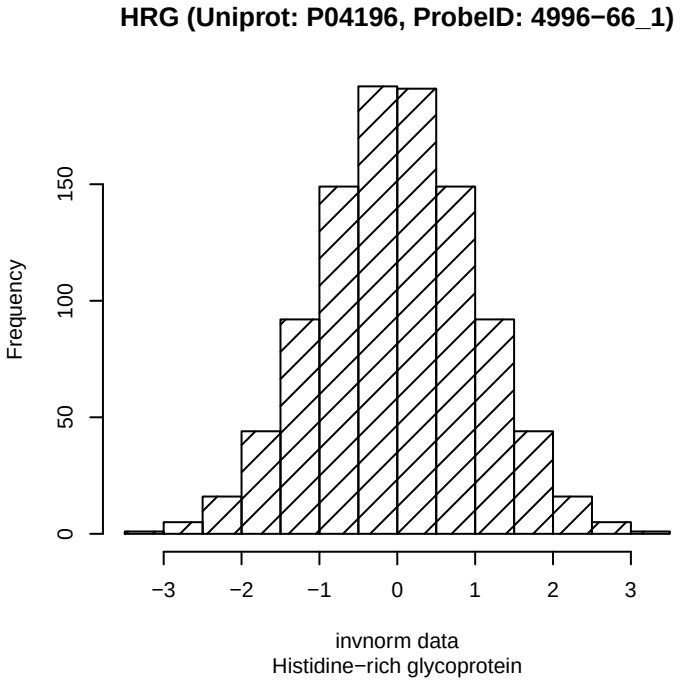

MIP−5 (Uniprot: Q16663, ProbeID: 3509−1_1)
invnorm data
−3
−2
−1
0
1
2
3
A/A (966)
A/C (30)
C/C (NA)
rs2056492 (Chr17:34318565)
Locus 366 top sentinel (CIS), p=9.9e−13

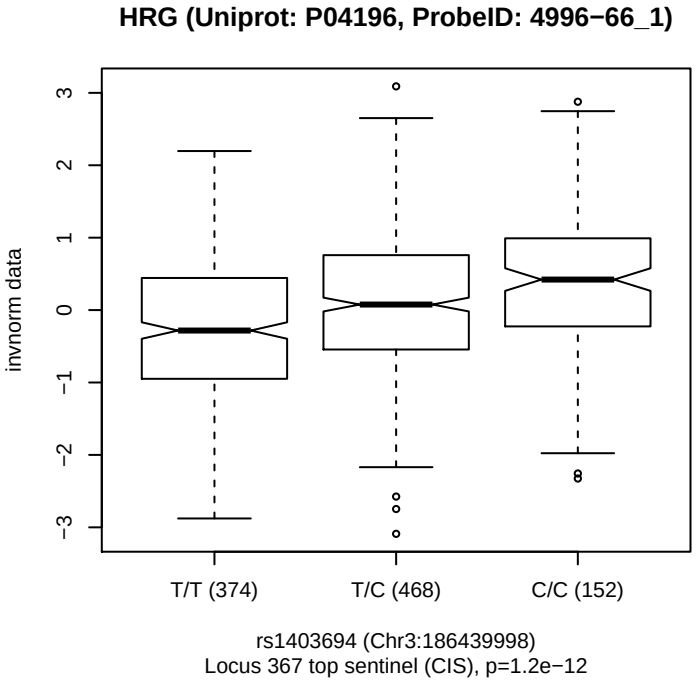

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
Frequency
0
100
200
300
400
500
1000
2000
3000
4000
5000
6000
raw data
Histidine−rich glycoprotein

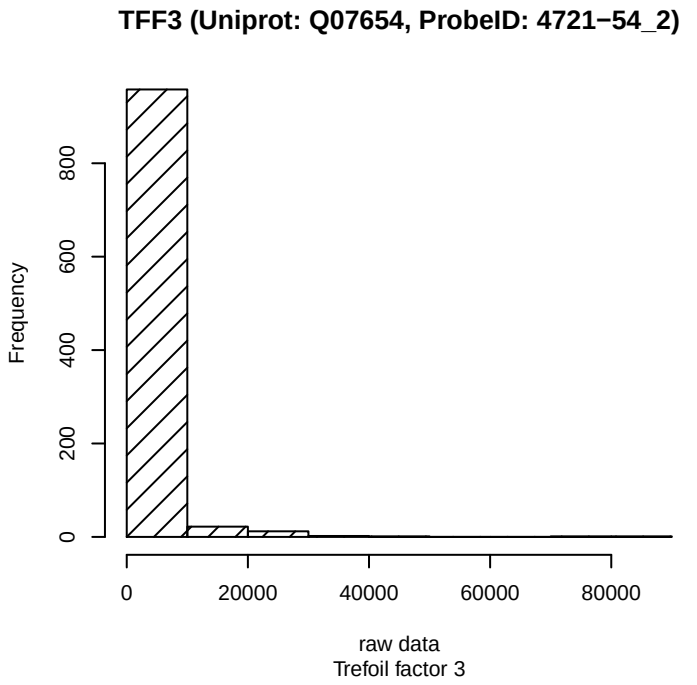

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
raw data
1000
2000
3000
4000
5000
T/T (374)
T/C (468)
C/C (152)
rs1403694 (Chr3:186439998)
Locus 367 top sentinel (CIS), p=8.6e−12

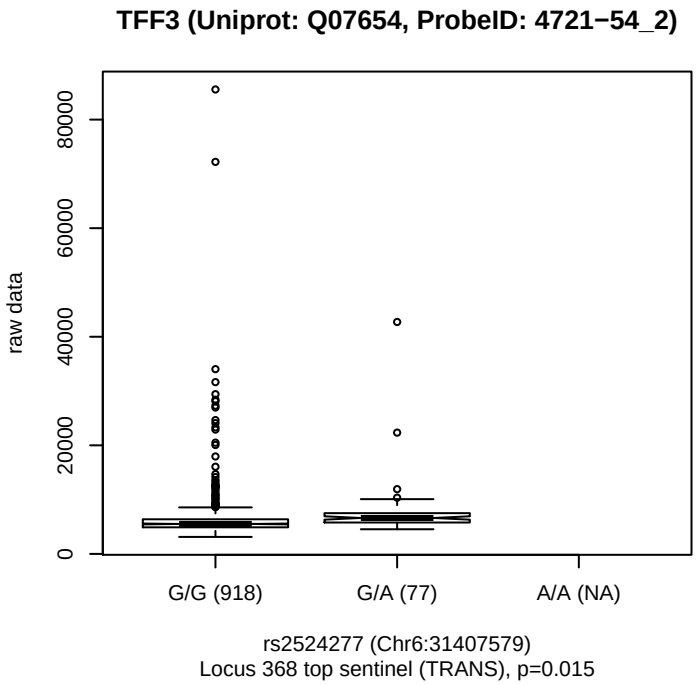

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
Frequency
0
100
200
300
400
500
600
9.0
9.5
10.0
10.5
11.0
11.5
12.0
12.5
log2−scaled data
Histidine−rich glycoprotein

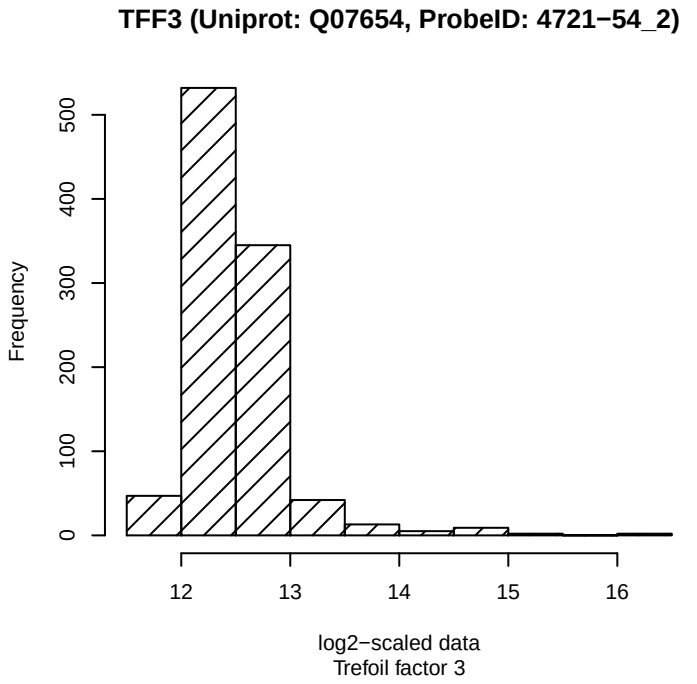

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
log2−scaled data
9.0
9.5
10.0
10.5
11.0
11.5
12.0
12.5
T/T (374)
T/C (468)
C/C (152)
rs1403694 (Chr3:186439998)
Locus 367 top sentinel (CIS), p=3.8e−12, FC=1.0716

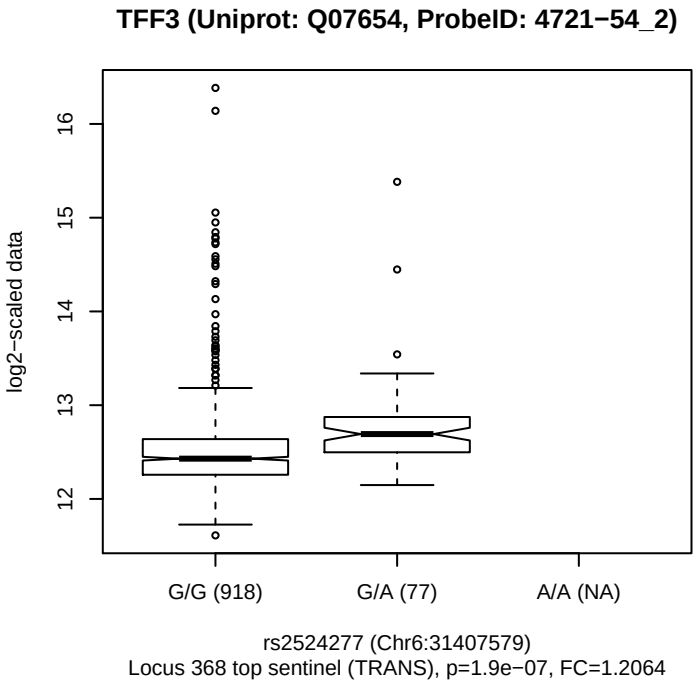

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Histidine−rich glycoprotein

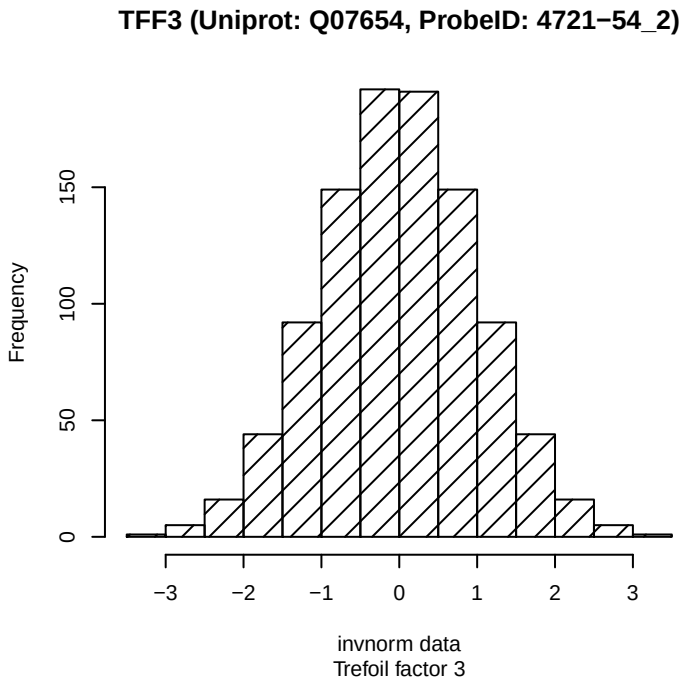

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
invnorm data
−3
−2
−1
0
1
2
3
T/T (374)
T/C (468)
C/C (152)
rs1403694 (Chr3:186439998)
Locus 367 top sentinel (CIS), p=1.2e−12

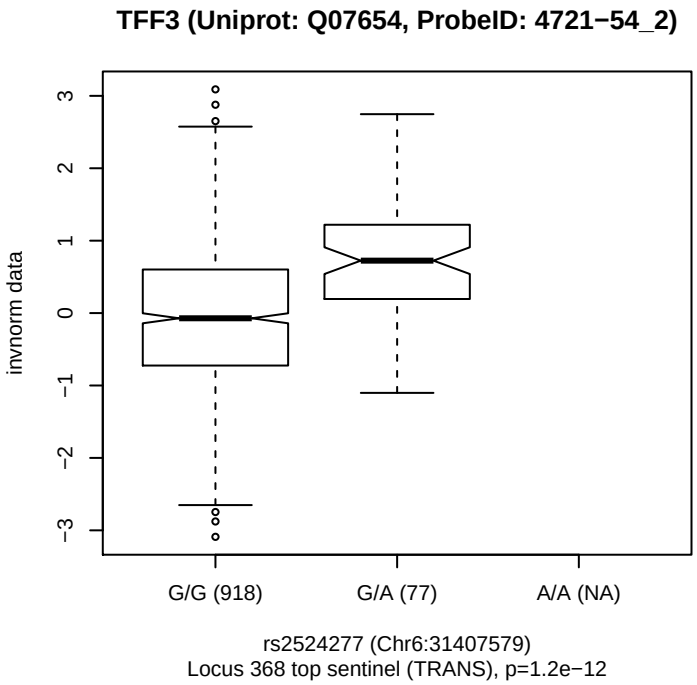

TFF3 (Uniprot: Q07654, ProbeID: 4721−54_2)
Frequency
0
200
400
600
800
0
20000
40000
60000
80000
raw data
Trefoil factor 3

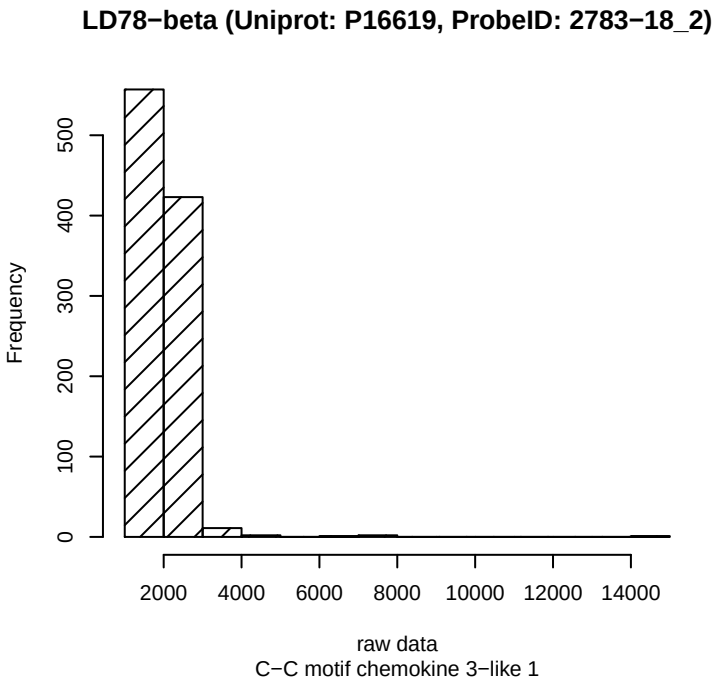

TFF3 (Uniprot: Q07654, ProbeID: 4721−54_2)
raw data
0
20000
40000
60000
80000
G/G (918)
G/A (77)
A/A (NA)
rs2524277 (Chr6:31407579)
Locus 368 top sentinel (TRANS), p=0.015

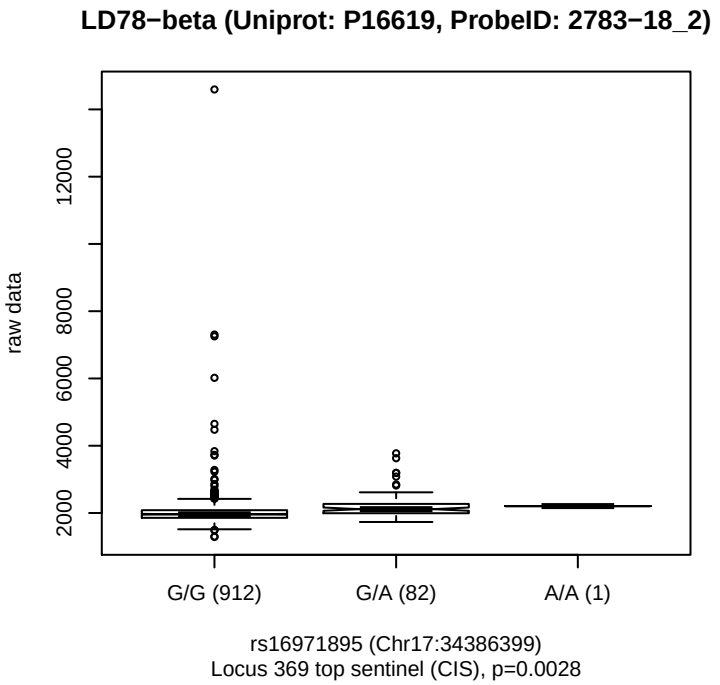

TFF3 (Uniprot: Q07654, ProbeID: 4721−54_2)
Frequency
0
100
200
300
400
500
12
13
14
15
16
log2−scaled data
Trefoil factor 3

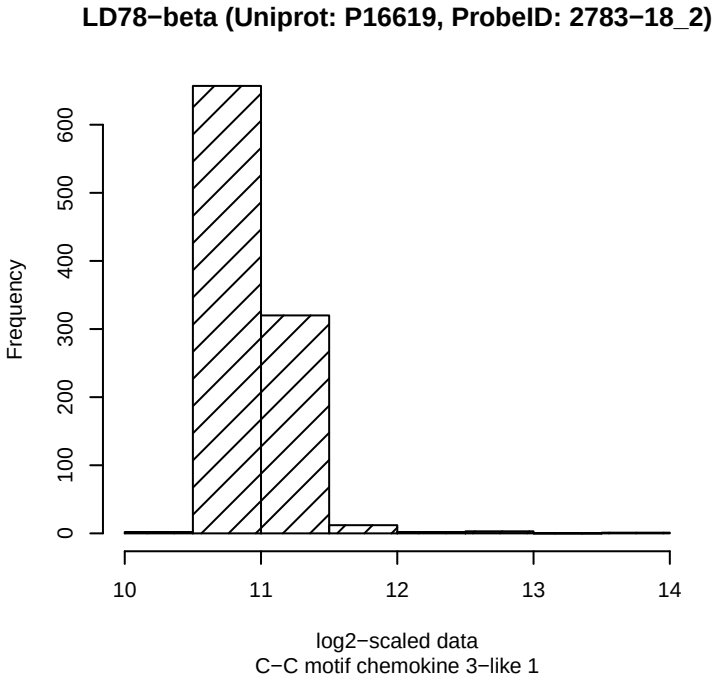

TFF3 (Uniprot: Q07654, ProbeID: 4721−54_2)
log2−scaled data
12
13
14
15
16
G/G (918)
G/A (77)
A/A (NA)
rs2524277 (Chr6:31407579)
Locus 368 top sentinel (TRANS), p=1.9e−07, FC=1.2064

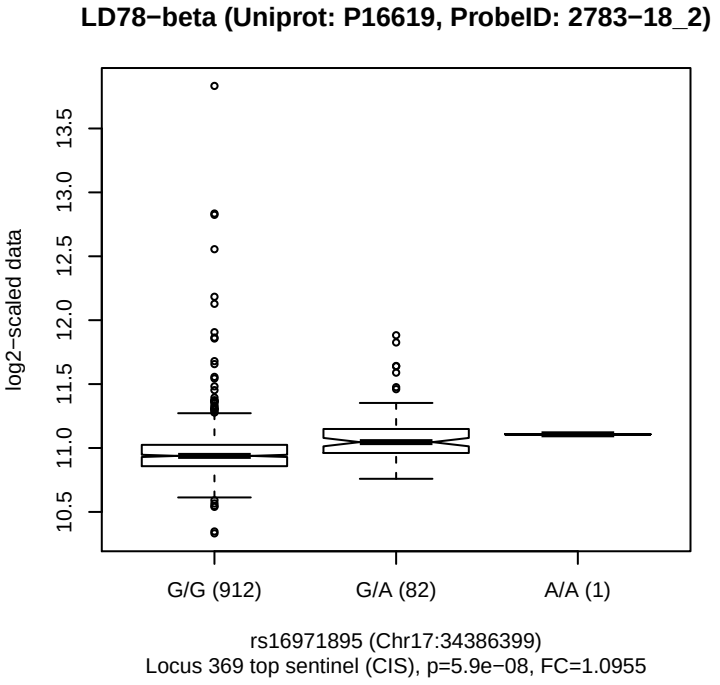

TFF3 (Uniprot: Q07654, ProbeID: 4721−54_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Trefoil factor 3

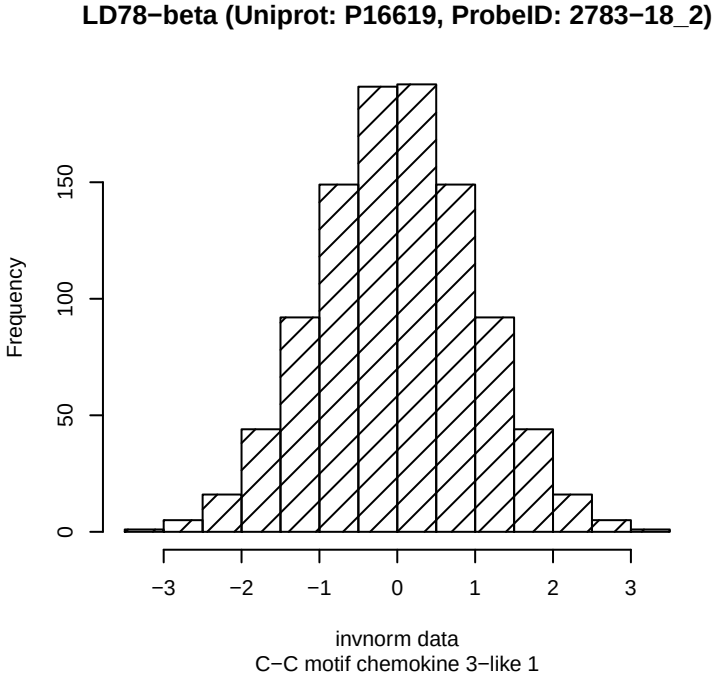

TFF3 (Uniprot: Q07654, ProbeID: 4721−54_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (918)
G/A (77)
A/A (NA)
rs2524277 (Chr6:31407579)
Locus 368 top sentinel (TRANS), p=1.2e−12

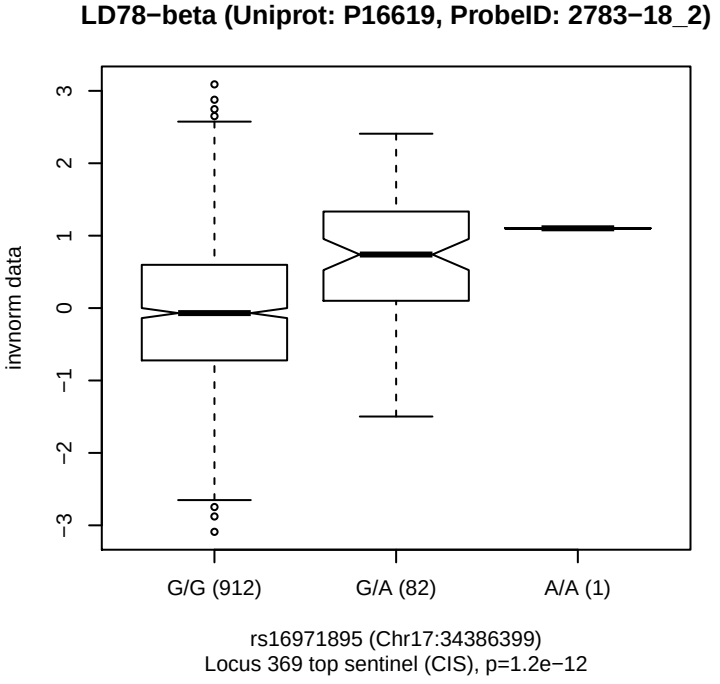

LD78−beta (Uniprot: P16619, ProbeID: 2783−18_2)
Frequency
0
100
200
300
400
500
2000
4000
6000
8000
10000
12000
14000
raw data
C−C motif chemokine 3−like 1

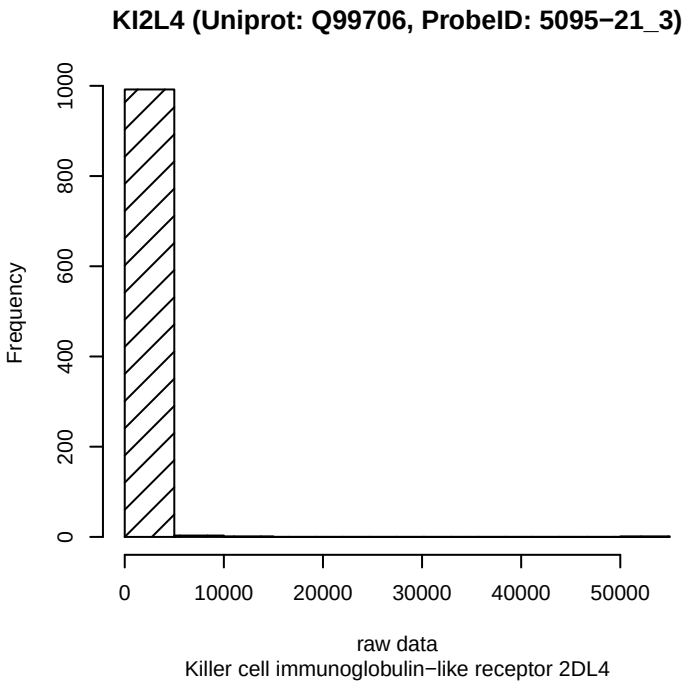

LD78−beta (Uniprot: P16619, ProbeID: 2783−18_2)
raw data
2000
4000
6000
8000
12000
G/G (912)
G/A (82)
A/A (1)
rs16971895 (Chr17:34386399)
Locus 369 top sentinel (CIS), p=0.0028

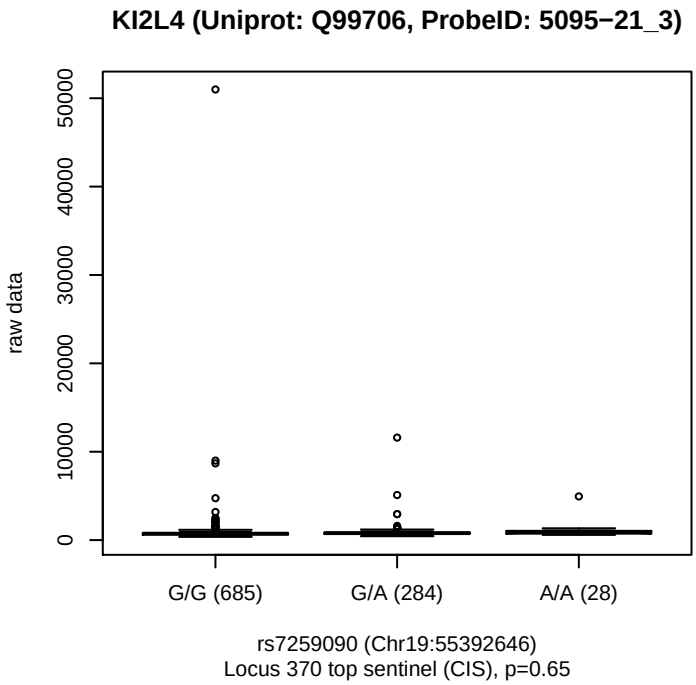

LD78−beta (Uniprot: P16619, ProbeID: 2783−18_2)
Frequency
0
100
200
300
400
500
600
10
11
12
13
14
log2−scaled data
C−C motif chemokine 3−like 1

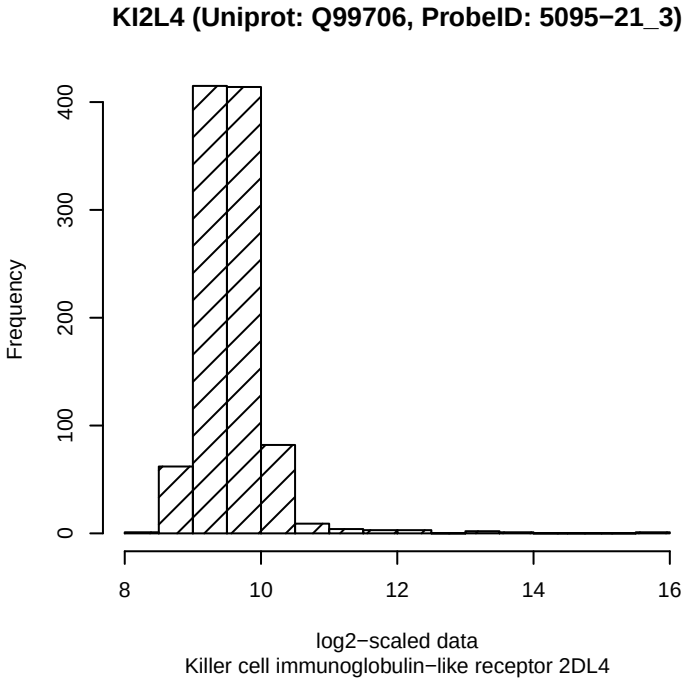

LD78−beta (Uniprot: P16619, ProbeID: 2783−18_2)
log2−scaled data
10.5
11.0
11.5
12.0
12.5
13.0
13.5
G/G (912)
G/A (82)
A/A (1)
rs16971895 (Chr17:34386399)
Locus 369 top sentinel (CIS), p=5.9e−08, FC=1.0955

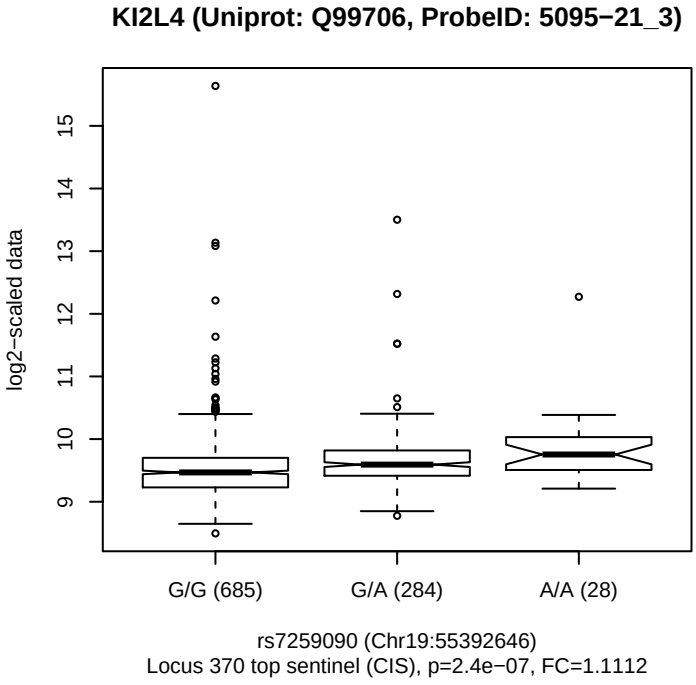

LD78−beta (Uniprot: P16619, ProbeID: 2783−18_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 3−like 1

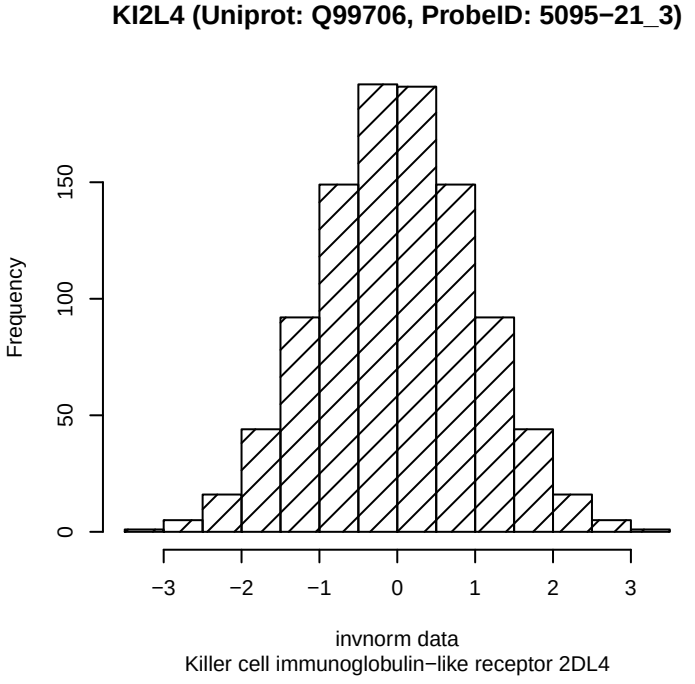

LD78−beta (Uniprot: P16619, ProbeID: 2783−18_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (912)
G/A (82)
A/A (1)
rs16971895 (Chr17:34386399)
Locus 369 top sentinel (CIS), p=1.2e−12

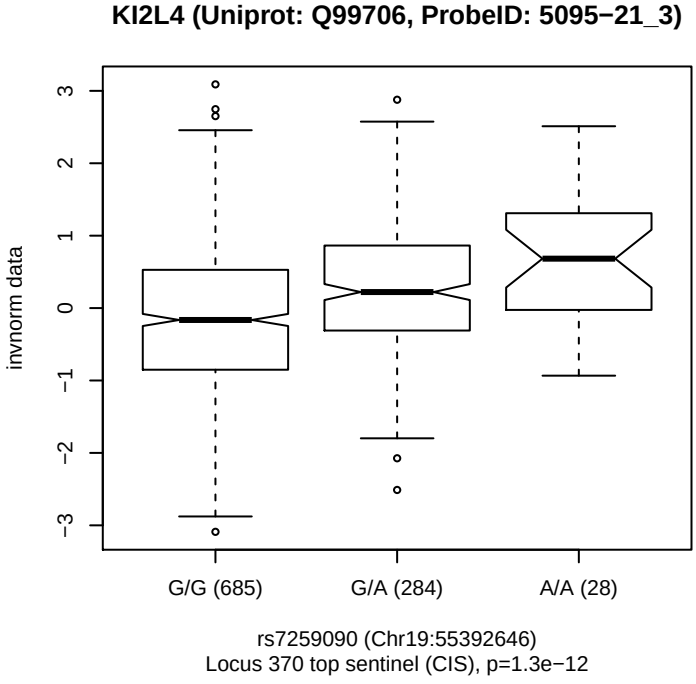

KI2L4 (Uniprot: Q99706, ProbeID: 5095−21_3)
Frequency
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
raw data
Killer cell immunoglobulin−like receptor 2DL4

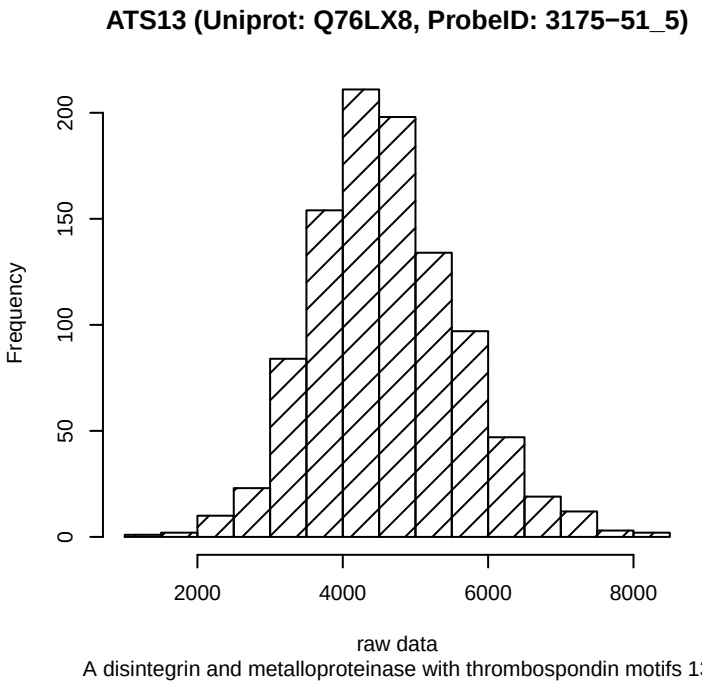

KI2L4 (Uniprot: Q99706, ProbeID: 5095−21_3)
raw data
0
10000
20000
30000
40000
50000
G/G (685)
G/A (284)
A/A (28)
rs7259090 (Chr19:55392646)
Locus 370 top sentinel (CIS), p=0.65

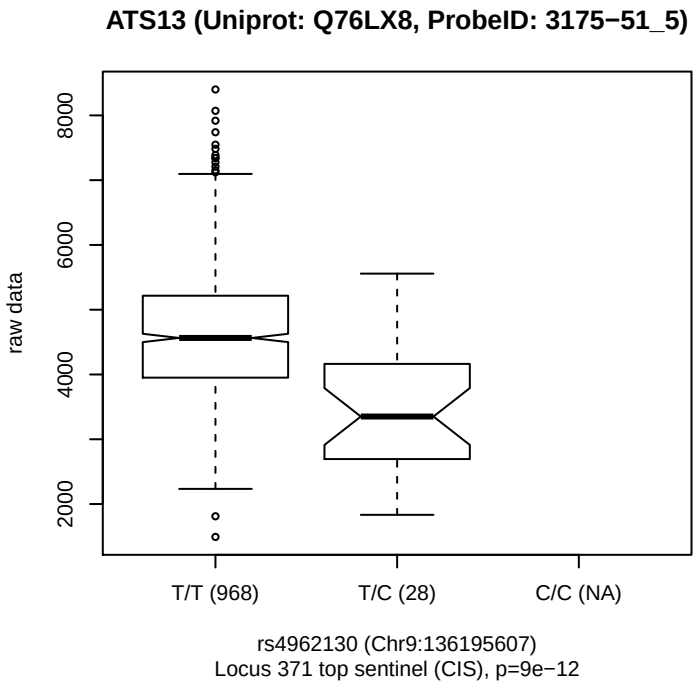

KI2L4 (Uniprot: Q99706, ProbeID: 5095−21_3)
Frequency
0
100
200
300
400
8
10
12
14
16
log2−scaled data
Killer cell immunoglobulin−like receptor 2DL4

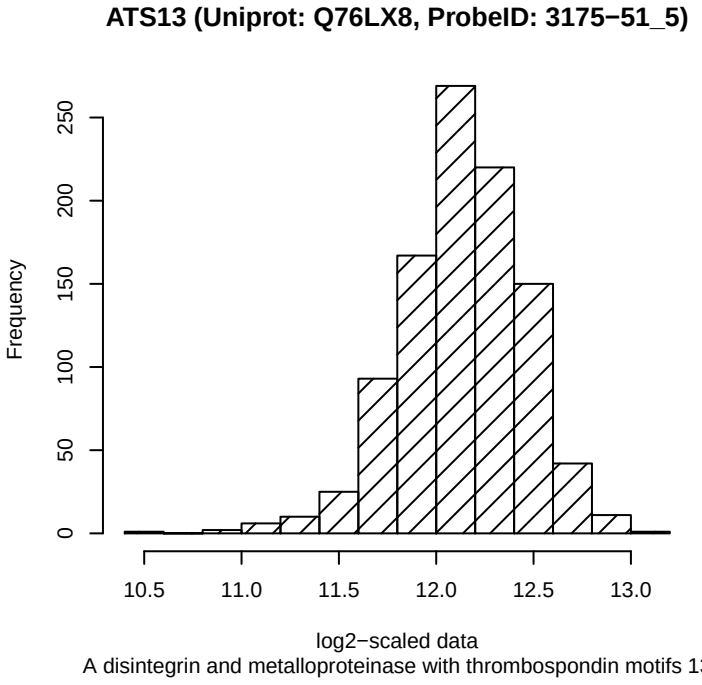

KI2L4 (Uniprot: Q99706, ProbeID: 5095−21_3)
log2−scaled data
9
10
11
12
13
14
15
G/G (685)
G/A (284)
A/A (28)
rs7259090 (Chr19:55392646)
Locus 370 top sentinel (CIS), p=2.4e−07, FC=1.1112

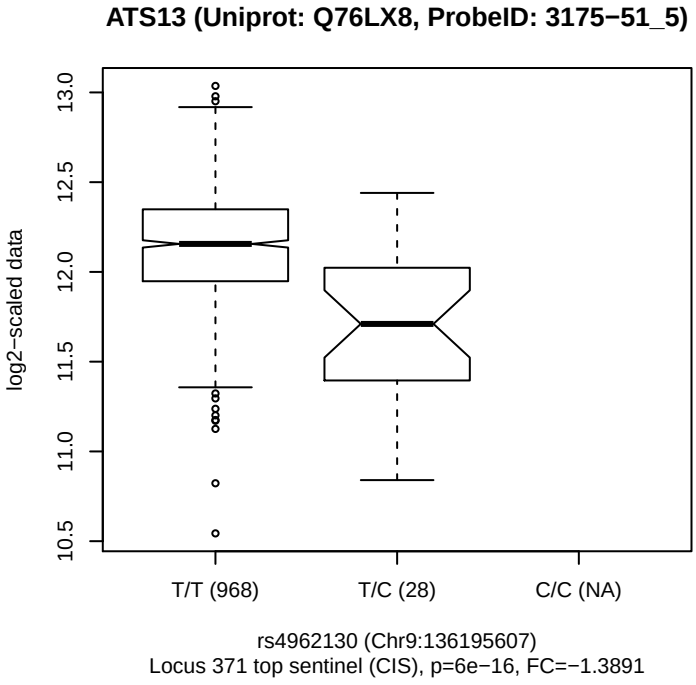

KI2L4 (Uniprot: Q99706, ProbeID: 5095−21_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Killer cell immunoglobulin−like receptor 2DL4

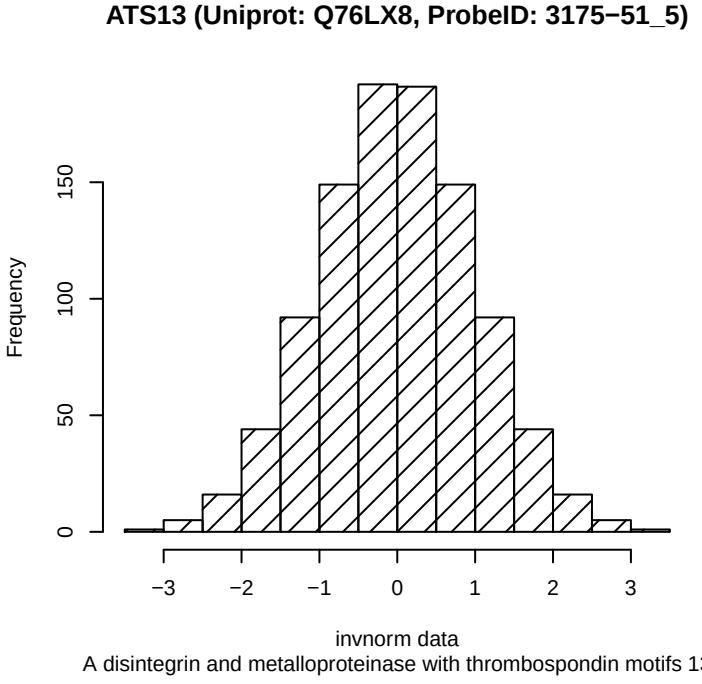

KI2L4 (Uniprot: Q99706, ProbeID: 5095−21_3)
invnorm data
−3
−2
−1
0
1
2
3
G/G (685)
G/A (284)
A/A (28)
rs7259090 (Chr19:55392646)
Locus 370 top sentinel (CIS), p=1.3e−12

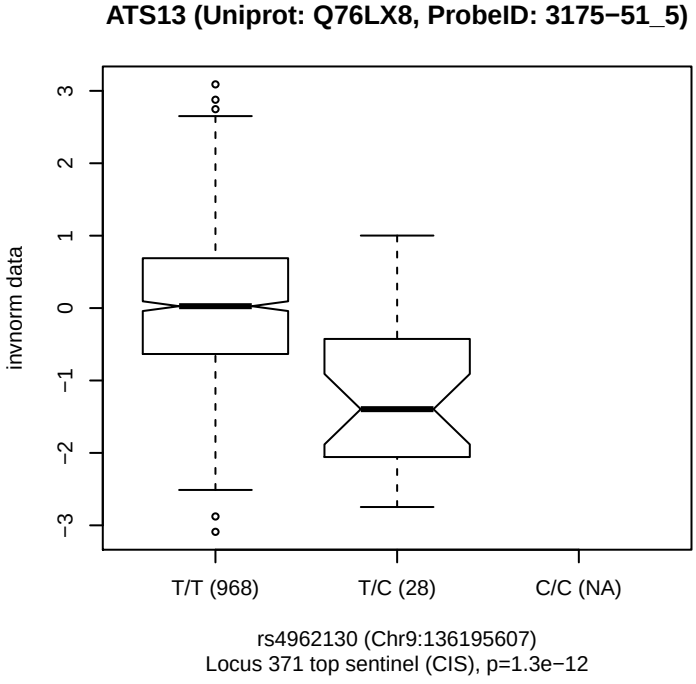

ATS13 (Uniprot: Q76LX8, ProbeID: 3175−51_5)
Frequency
0
50
100
150
200
2000
4000
6000
8000
raw data
A disintegrin and metalloproteinase with thrombospondin motifs 13

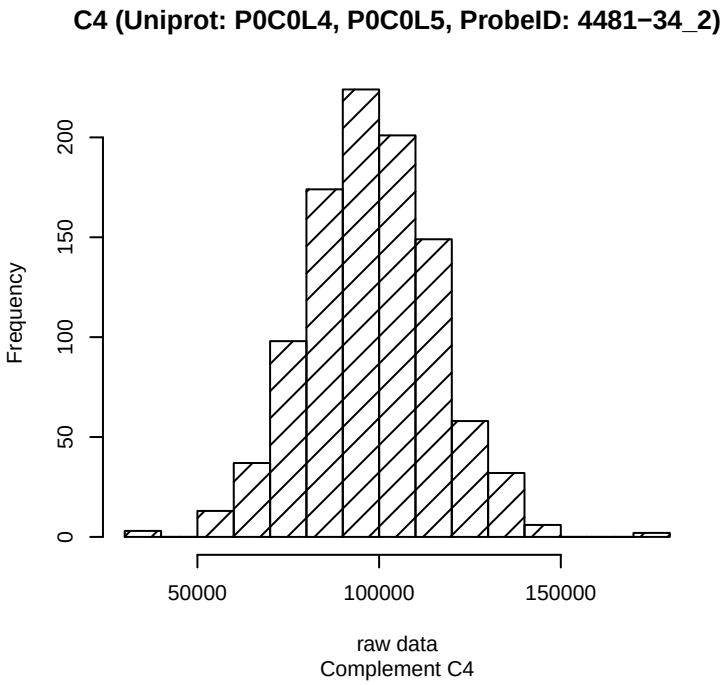

ATS13 (Uniprot: Q76LX8, ProbeID: 3175−51_5)
raw data
2000
4000
6000
8000
T/T (968)
T/C (28)
C/C (NA)
rs4962130 (Chr9:136195607)
Locus 371 top sentinel (CIS), p=9e−12

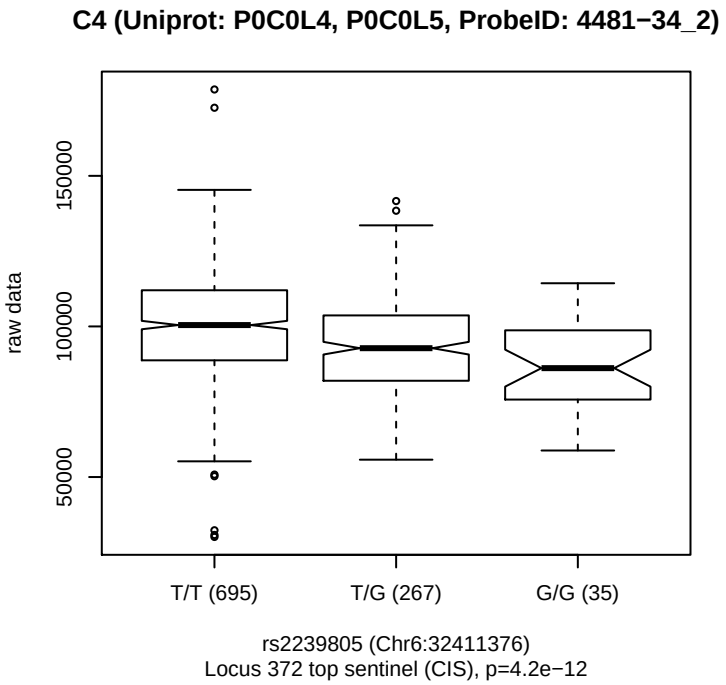

ATS13 (Uniprot: Q76LX8, ProbeID: 3175−51_5)
Frequency
0
50
100
150
200
250
10.5
11.0
11.5
12.0
12.5
13.0
log2−scaled data
A disintegrin and metalloproteinase with thrombospondin motifs 13

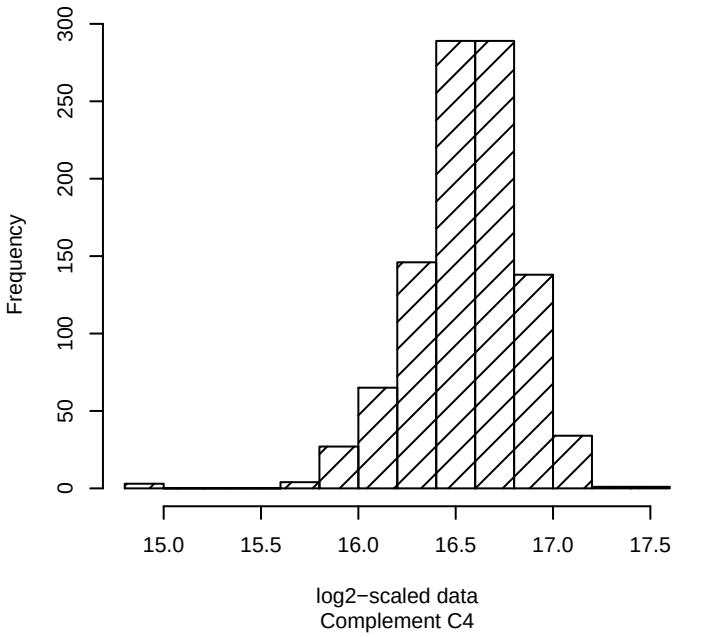

ATS13 (Uniprot: Q76LX8, ProbeID: 3175−51_5)
log2−scaled data
10.5
11.0
11.5
12.0
12.5
13.0
T/T (968)
T/C (28)
C/C (NA)
rs4962130 (Chr9:136195607)
Locus 371 top sentinel (CIS), p=6e−16, FC=−1.3891

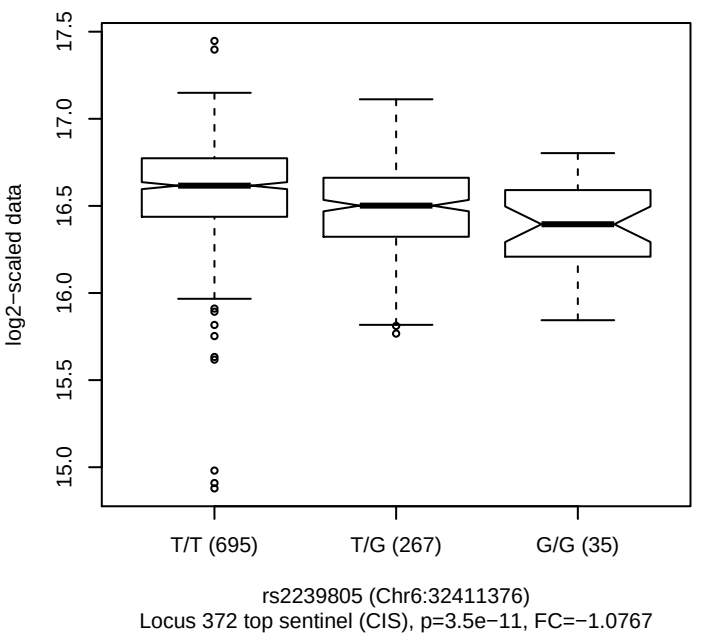

ATS13 (Uniprot: Q76LX8, ProbeID: 3175−51_5)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
A disintegrin and metalloproteinase with thrombospondin motifs 13

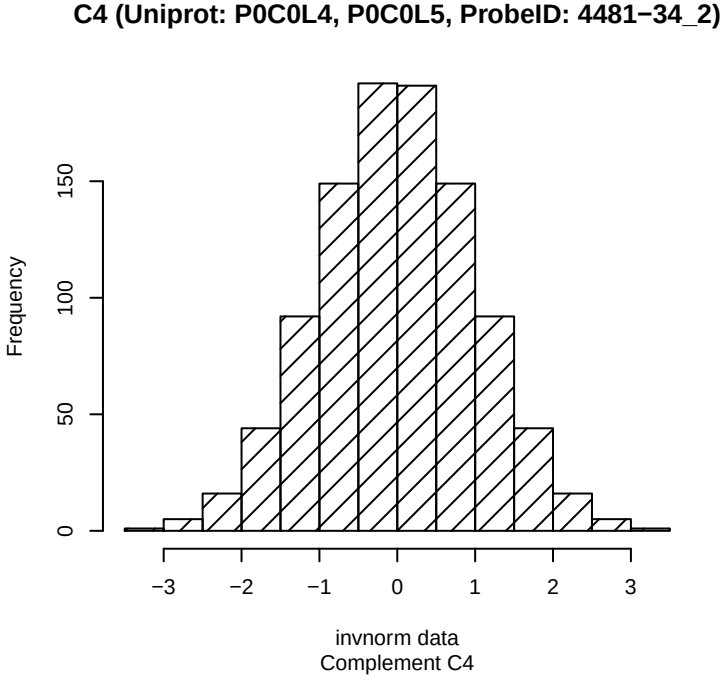

ATS13 (Uniprot: Q76LX8, ProbeID: 3175−51_5)
invnorm data
−3
−2
−1
0
1
2
3
T/T (968)
T/C (28)
C/C (NA)
rs4962130 (Chr9:136195607)
Locus 371 top sentinel (CIS), p=1.3e−12

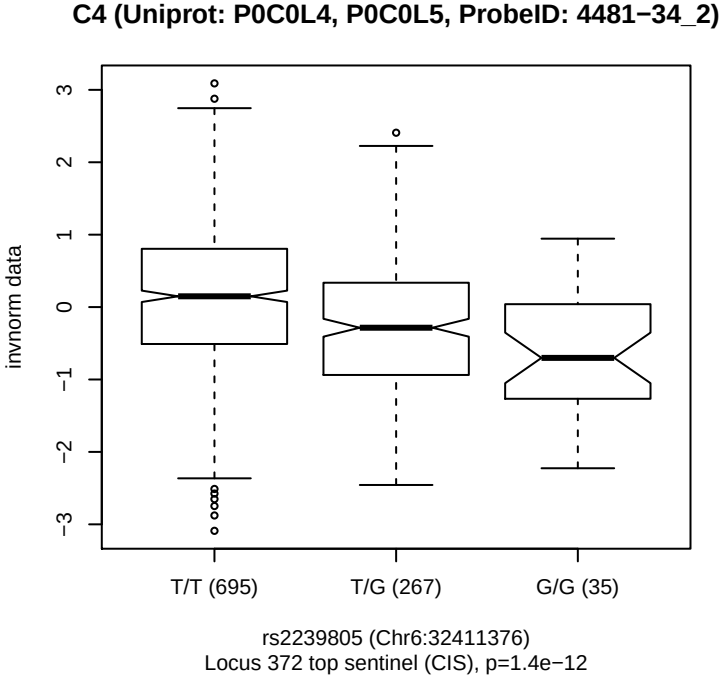

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
Frequency
0
50
100
150
200
50000
100000
150000
raw data
Complement C4

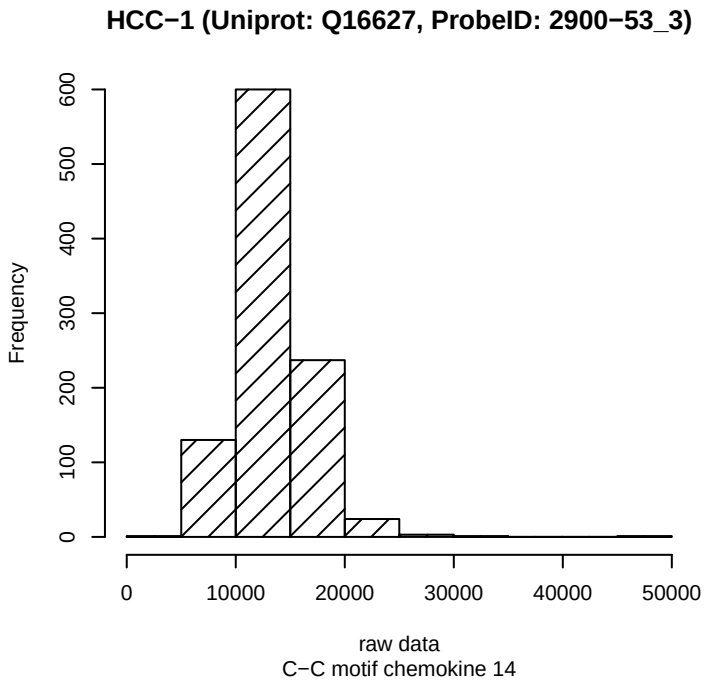

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
raw data
50000
100000
150000
T/T (695)
T/G (267)
G/G (35)
rs2239805 (Chr6:32411376)
Locus 372 top sentinel (CIS), p=4.2e−12

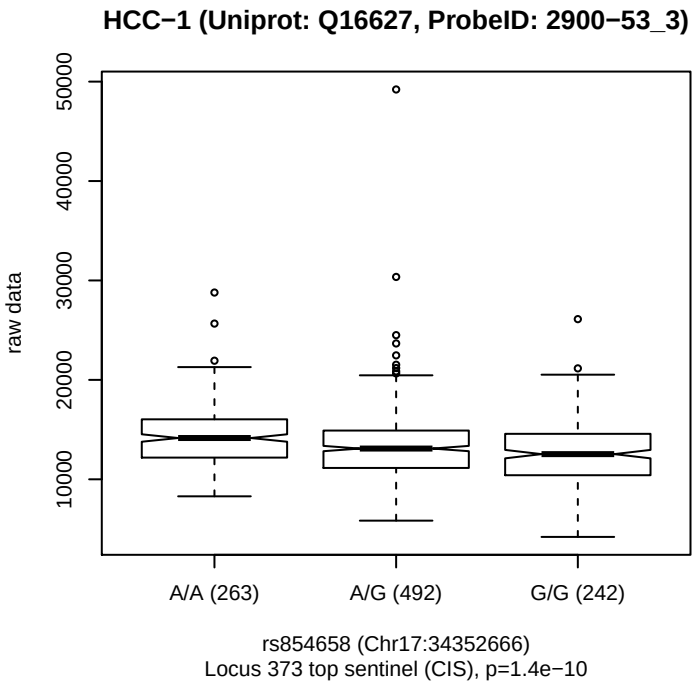

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
Frequency
0
50
100
150
200
250
300
15.0
15.5
16.0
16.5
17.0
17.5
log2−scaled data
Complement C4

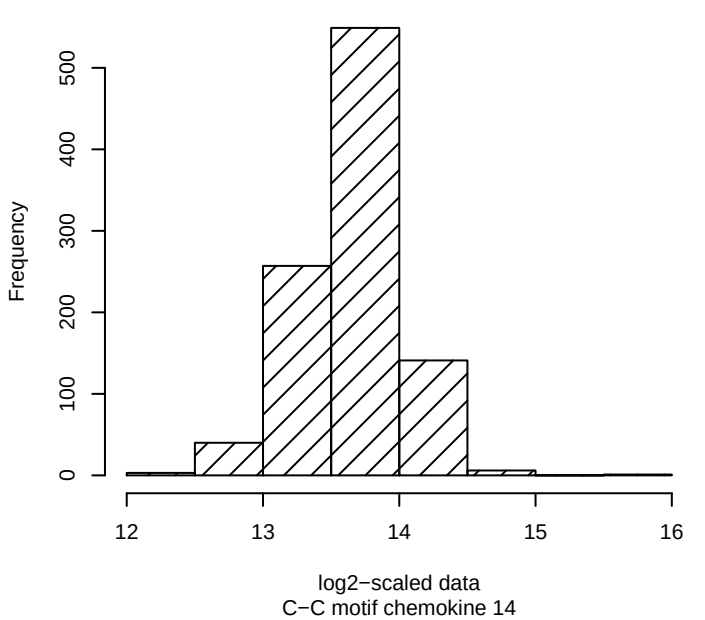

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
log2−scaled data
15.0
15.5
16.0
16.5
17.0
17.5
T/T (695)
T/G (267)
G/G (35)
rs2239805 (Chr6:32411376)
Locus 372 top sentinel (CIS), p=3.5e−11, FC=−1.0767

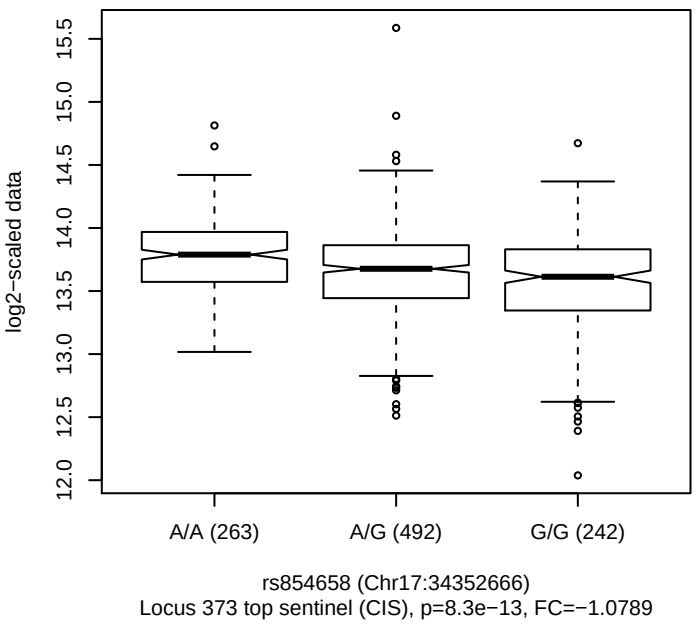

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Complement C4

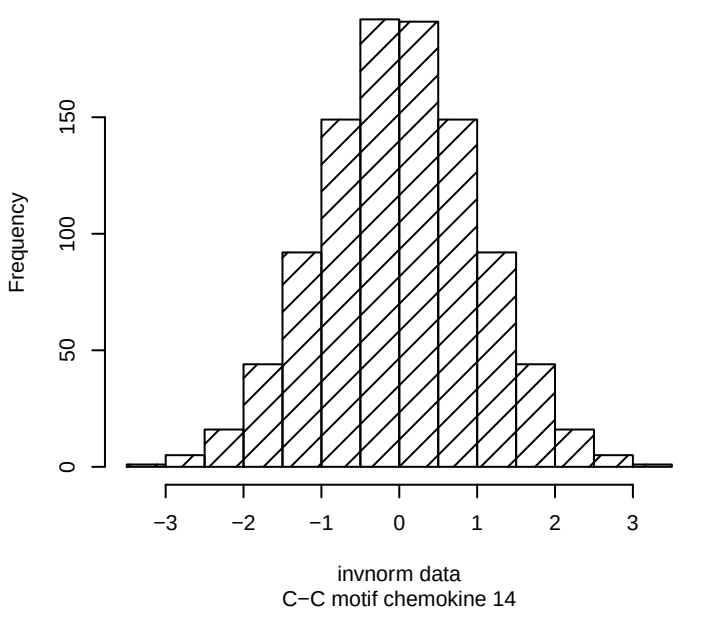

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (695)
T/G (267)
G/G (35)
rs2239805 (Chr6:32411376)
Locus 372 top sentinel (CIS), p=1.4e−12

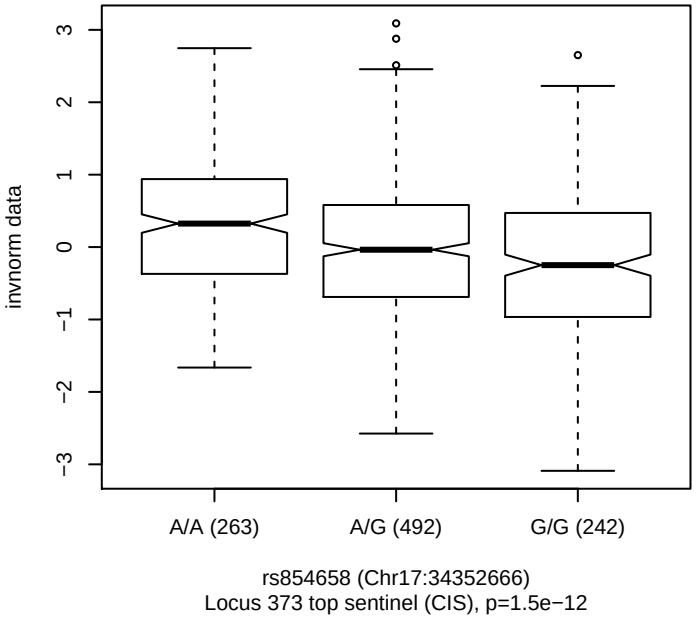

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
Frequency
0
100
200
300
400
500
600
0
10000
20000
30000
40000
50000
raw data
C−C motif chemokine 14

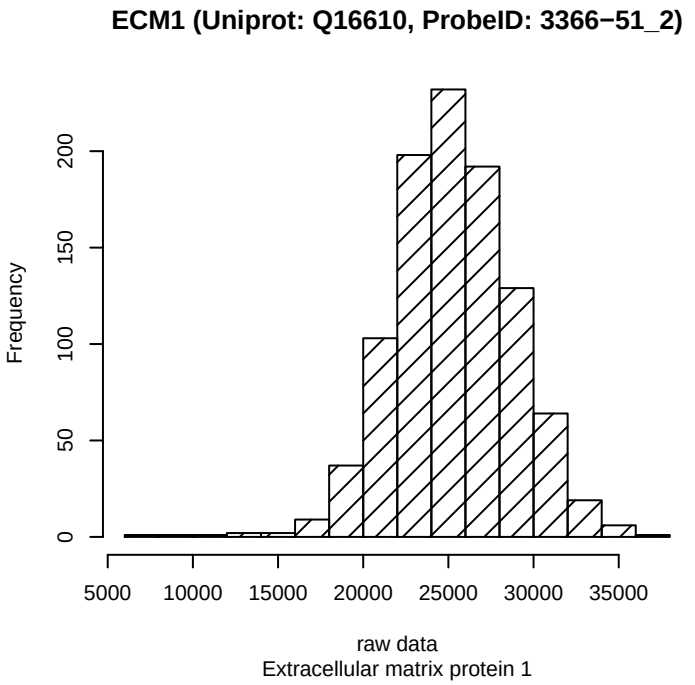

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
raw data
10000
20000
30000
40000
50000
A/A (263)
A/G (492)
G/G (242)
rs854658 (Chr17:34352666)
Locus 373 top sentinel (CIS), p=1.4e−10

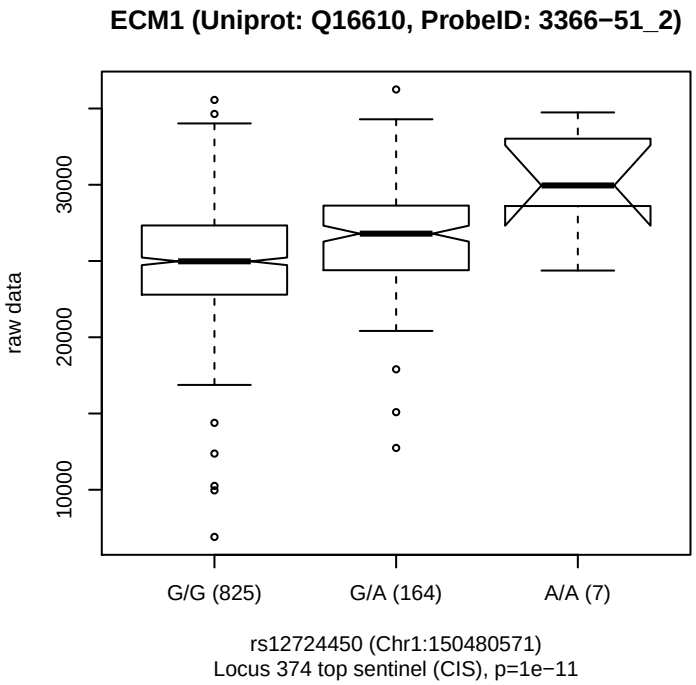

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
Frequency
0
100
200
300
400
500
12
13
14
15
16
log2−scaled data
C−C motif chemokine 14

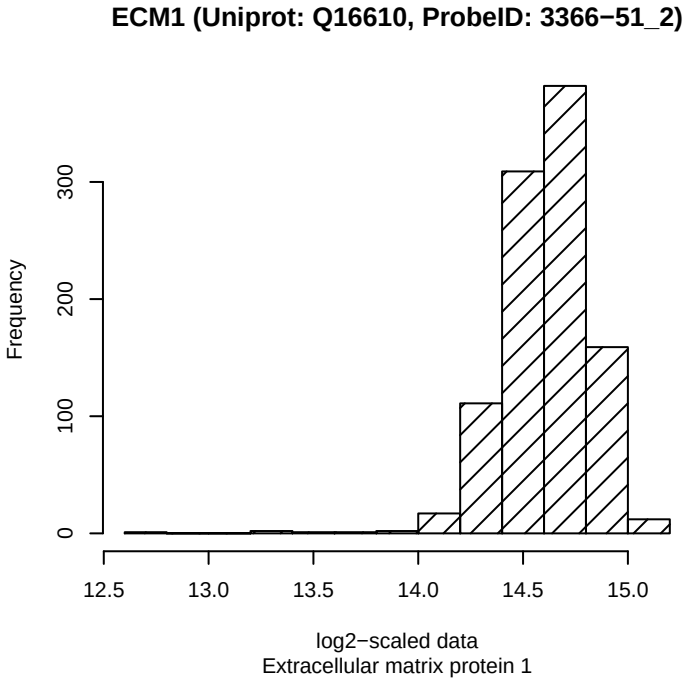

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
log2−scaled data
12.0
12.5
13.0
13.5
14.0
14.5
15.0
15.5
A/A (263)
A/G (492)
G/G (242)
rs854658 (Chr17:34352666)
Locus 373 top sentinel (CIS), p=8.3e−13, FC=−1.0789

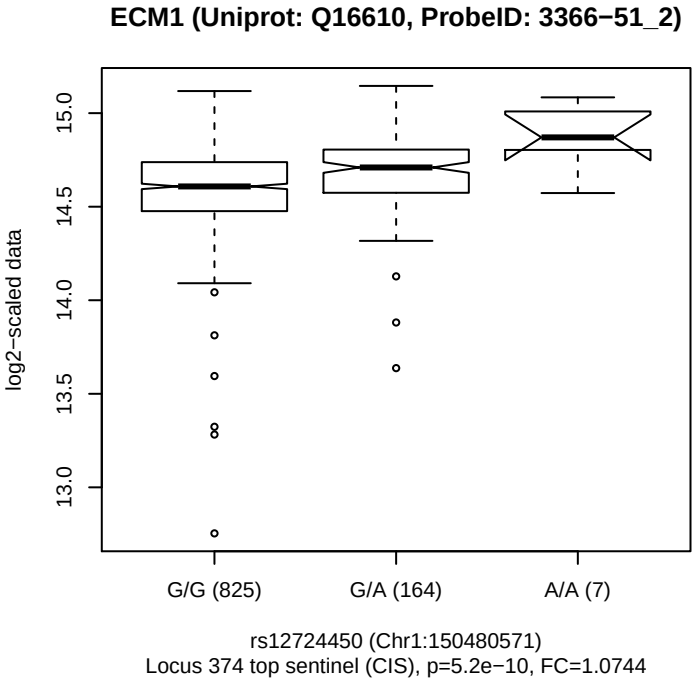

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 14

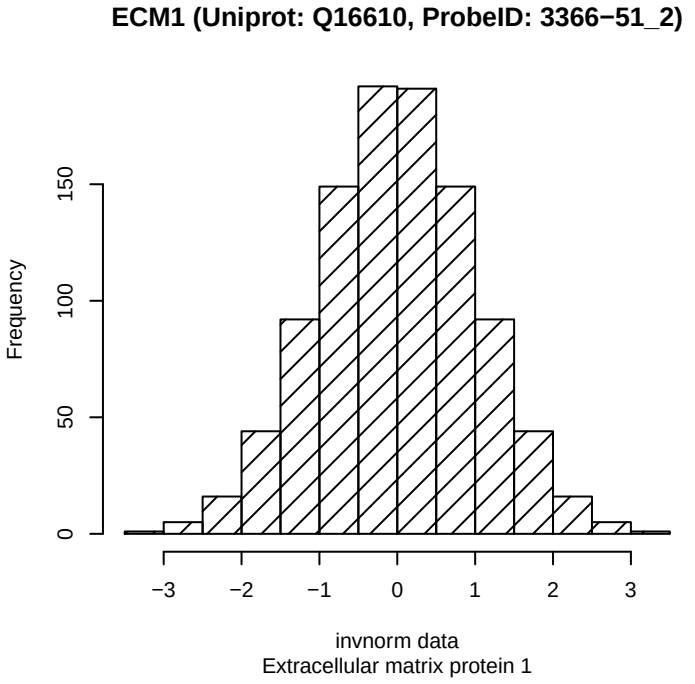

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
invnorm data
−3
−2
−1
0
1
2
3
A/A (263)
A/G (492)
G/G (242)
rs854658 (Chr17:34352666)
Locus 373 top sentinel (CIS), p=1.5e−12

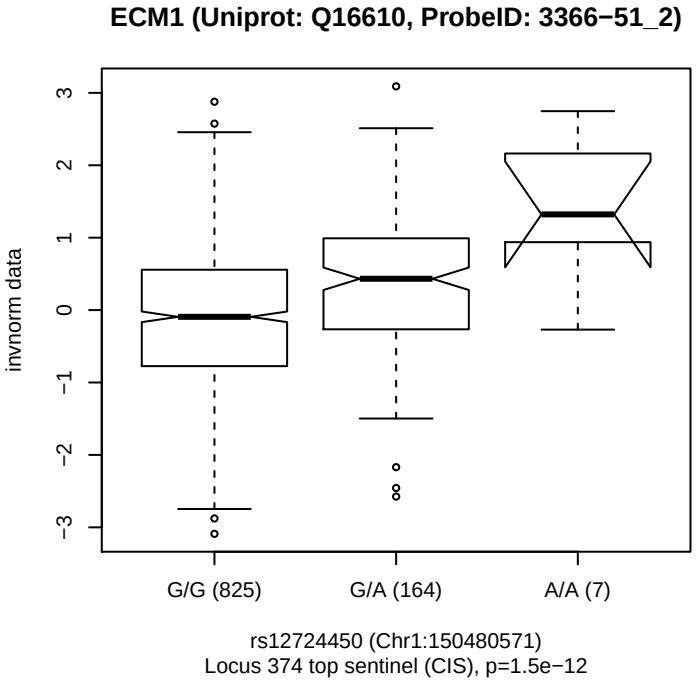

ECM1 (Uniprot: Q16610, ProbeID: 3366−51_2)
Frequency
0
50
100
150
200
5000
10000
15000
20000
25000
30000
35000
raw data
Extracellular matrix protein 1

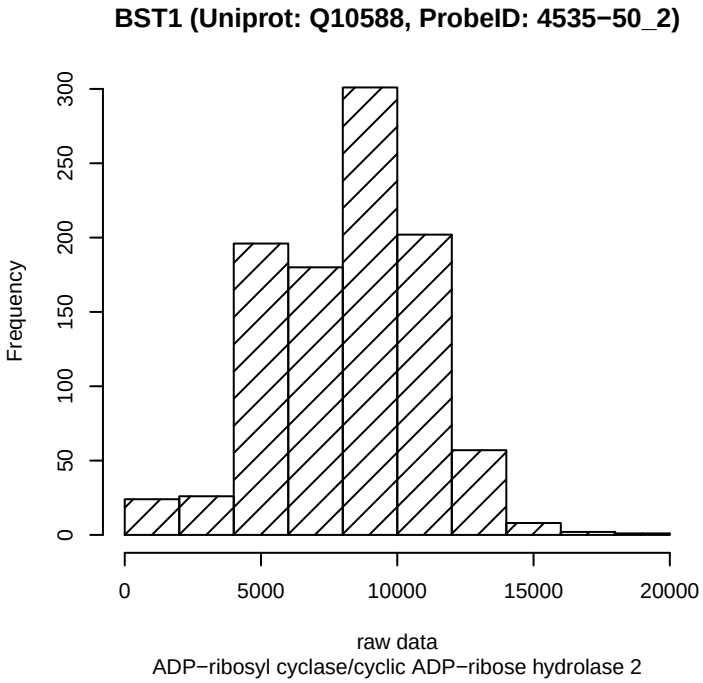

ECM1 (Uniprot: Q16610, ProbeID: 3366−51_2)
raw data
10000
20000
30000
G/G (825)
G/A (164)
A/A (7)
rs12724450 (Chr1:150480571)
Locus 374 top sentinel (CIS), p=1e−11

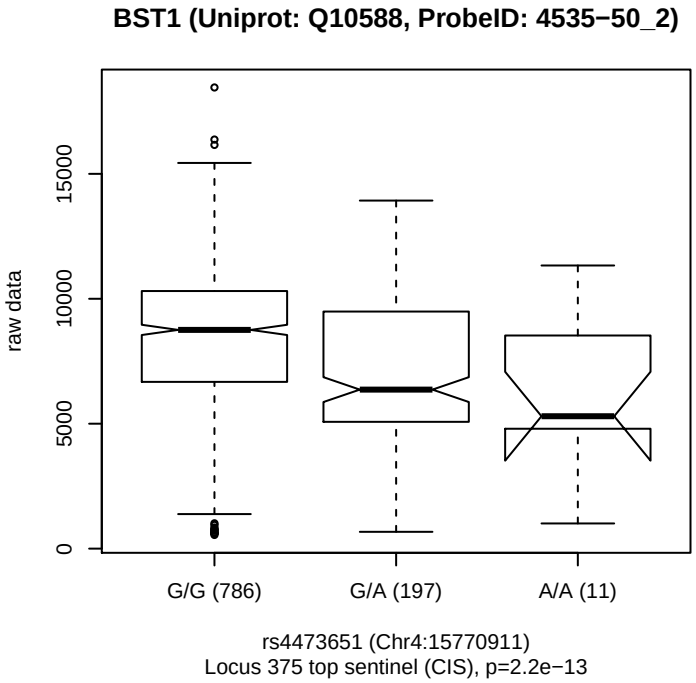

ECM1 (Uniprot: Q16610, ProbeID: 3366−51_2)
Frequency
0
100
200
300
12.5
13.0
13.5
14.0
14.5
15.0
log2−scaled data
Extracellular matrix protein 1

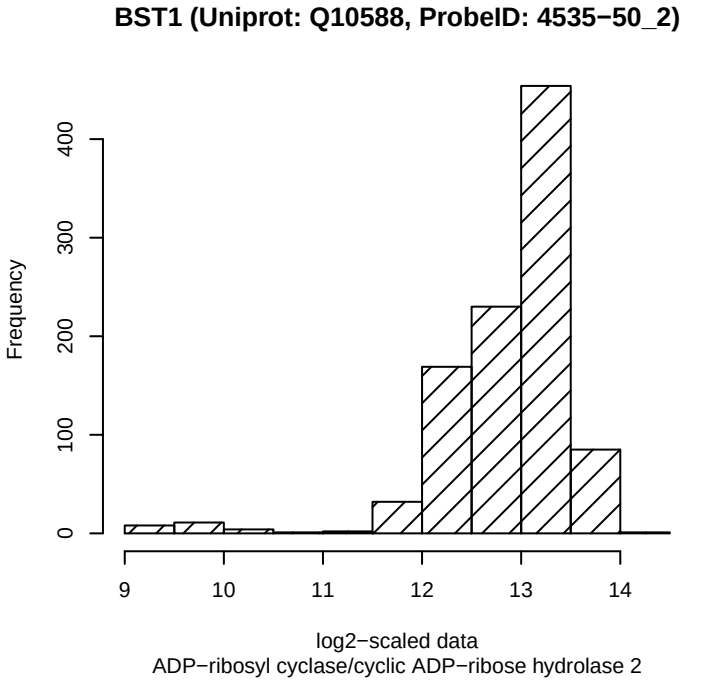

ECM1 (Uniprot: Q16610, ProbeID: 3366−51_2)
log2−scaled data
13.0
13.5
14.0
14.5
15.0
G/G (825)
G/A (164)
A/A (7)
rs12724450 (Chr1:150480571)
Locus 374 top sentinel (CIS), p=5.2e−10, FC=1.0744

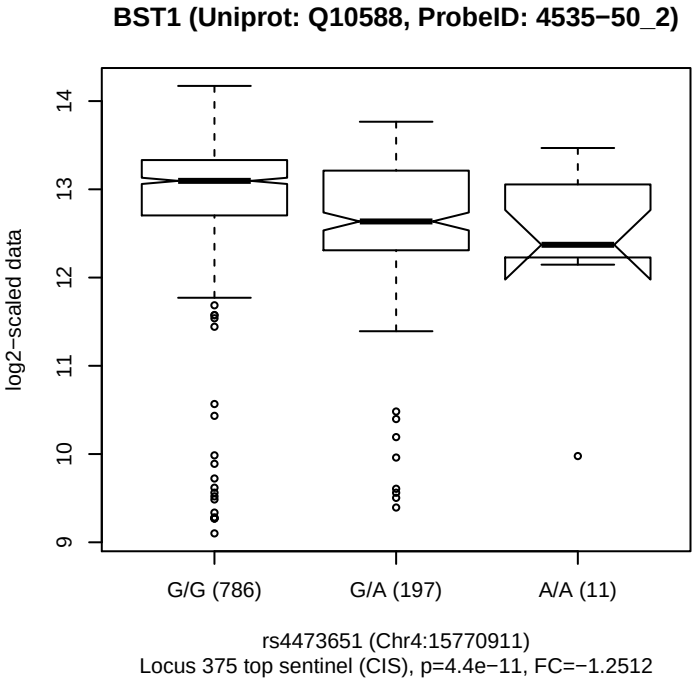

ECM1 (Uniprot: Q16610, ProbeID: 3366−51_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Extracellular matrix protein 1

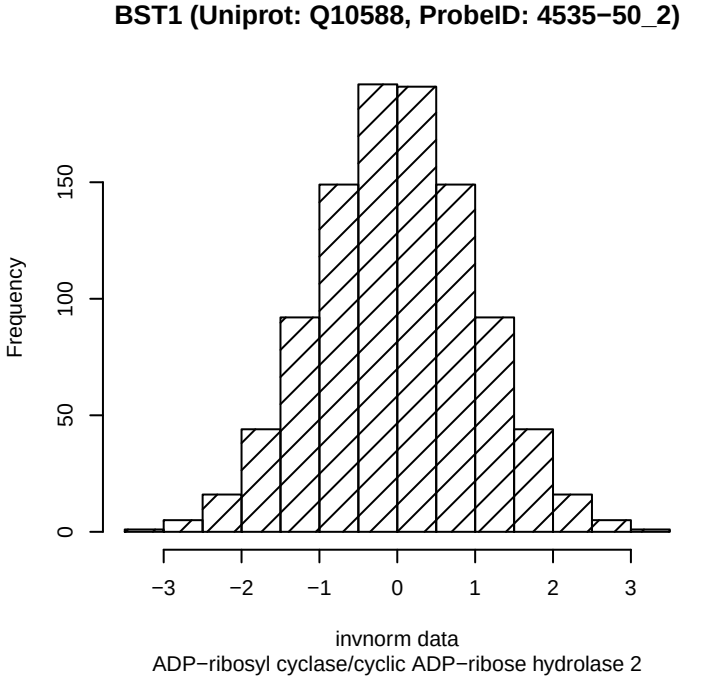

ECM1 (Uniprot: Q16610, ProbeID: 3366−51_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (825)
G/A (164)
A/A (7)
rs12724450 (Chr1:150480571)
Locus 374 top sentinel (CIS), p=1.5e−12

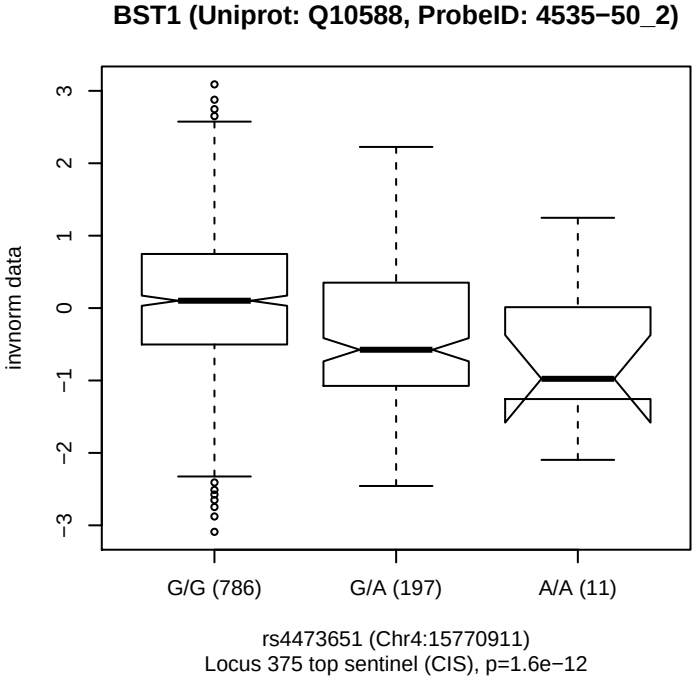

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
Frequency
0
50
100
150
200
250
300
0
5000
10000
15000
20000
raw data
ADP−ribosyl cyclase/cyclic ADP−ribose hydrolase 2

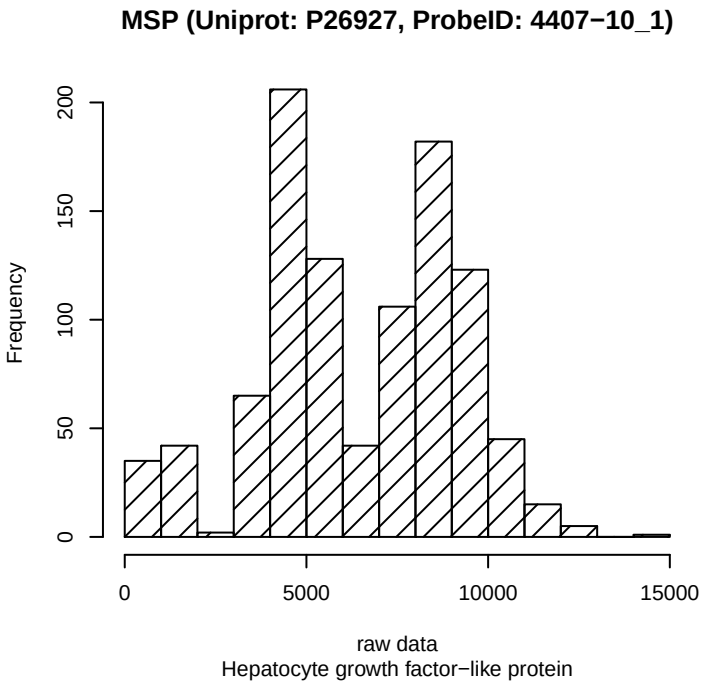

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
raw data
0
5000
10000
15000
G/G (786)
G/A (197)
A/A (11)
rs4473651 (Chr4:15770911)
Locus 375 top sentinel (CIS), p=2.2e−13

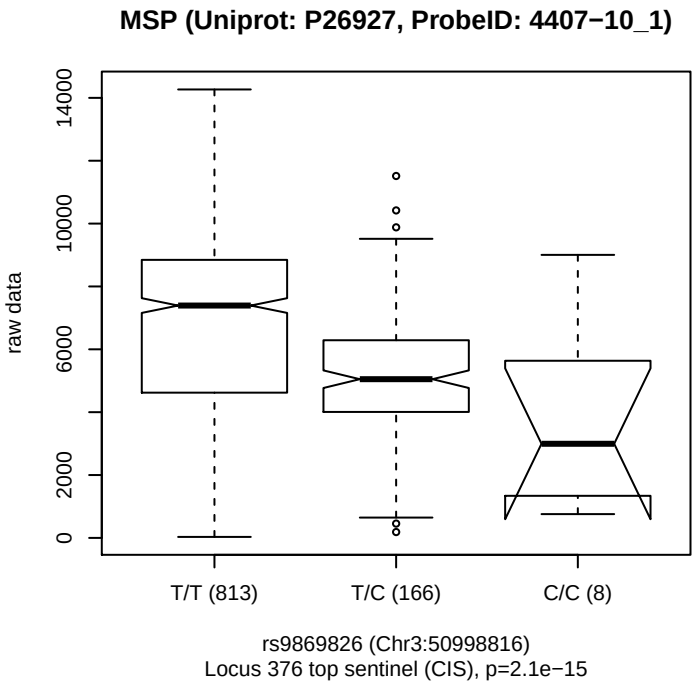

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
Frequency
0
100
200
300
400
9
10
11
12
13
14
log2−scaled data
ADP−ribosyl cyclase/cyclic ADP−ribose hydrolase 2

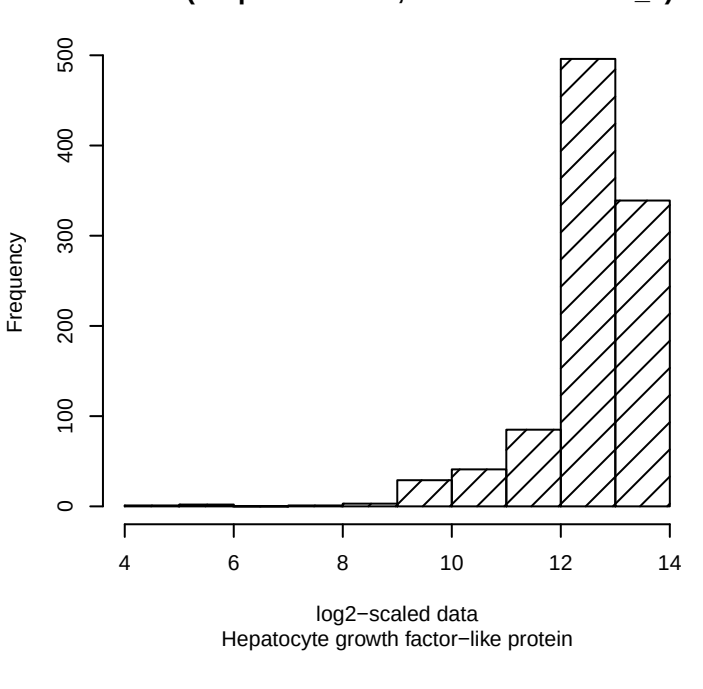

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
log2−scaled data
9
10
11
12
13
14
G/G (786)
G/A (197)
A/A (11)
rs4473651 (Chr4:15770911)
Locus 375 top sentinel (CIS), p=4.4e−11, FC=−1.2512

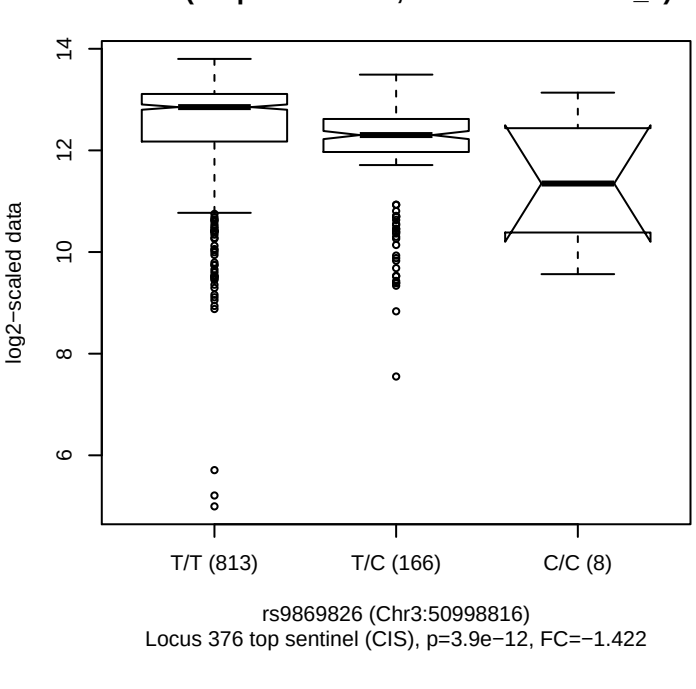

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
ADP−ribosyl cyclase/cyclic ADP−ribose hydrolase 2

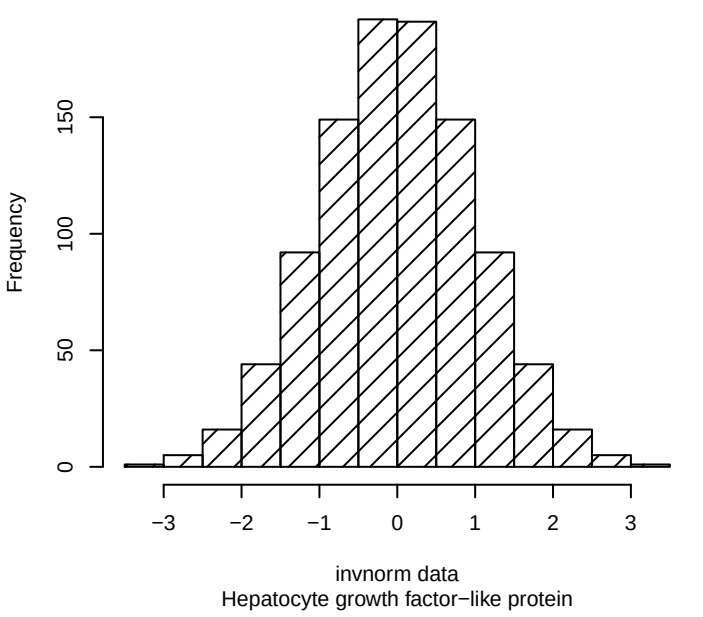

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (786)
G/A (197)
A/A (11)
rs4473651 (Chr4:15770911)
Locus 375 top sentinel (CIS), p=1.6e−12

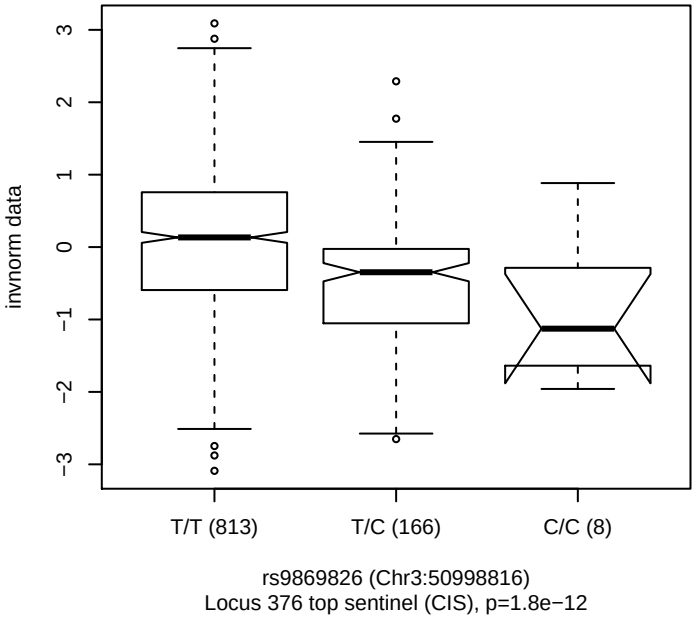

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
Frequency
0
50
100
150
200
0
5000
10000
15000
raw data
Hepatocyte growth factor−like protein

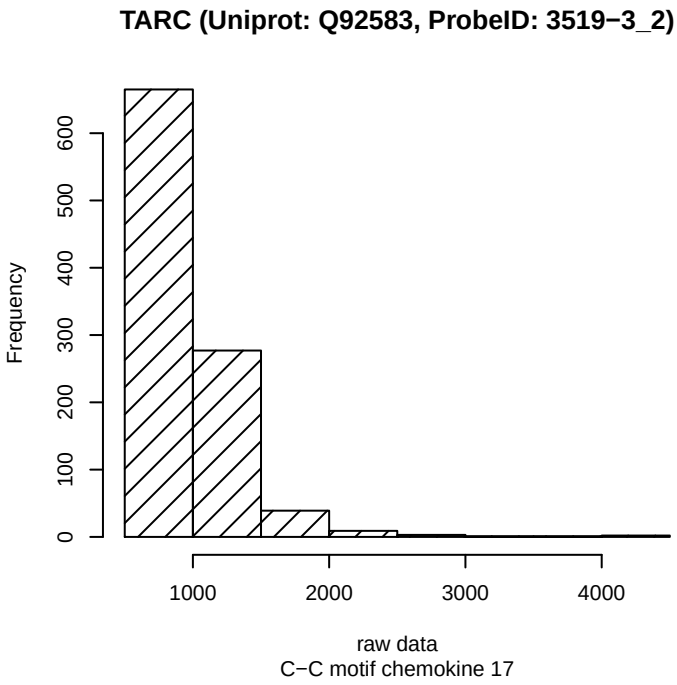

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
raw data
0
2000
6000
10000
14000
T/T (813)
T/C (166)
C/C (8)
rs9869826 (Chr3:50998816)
Locus 376 top sentinel (CIS), p=2.1e−15

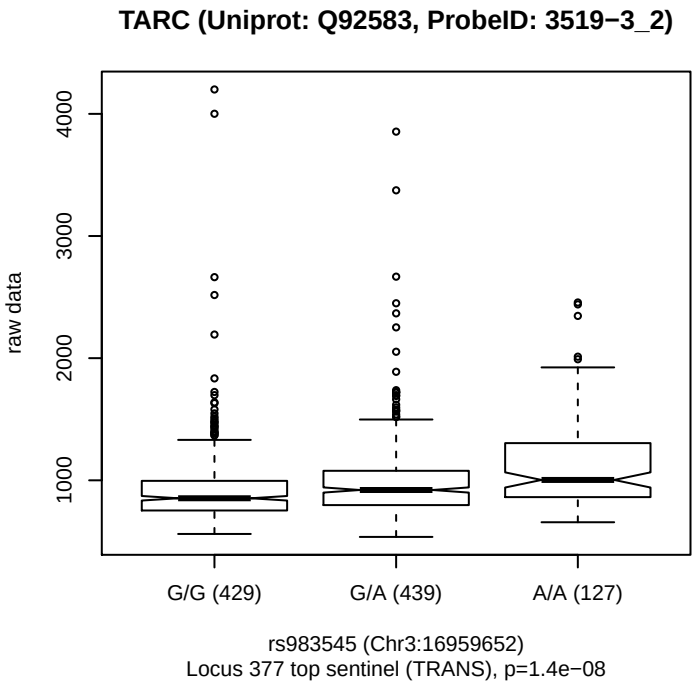

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
Frequency
0
100
200
300
400
500
4
6
8
10
12
14
log2−scaled data
Hepatocyte growth factor−like protein

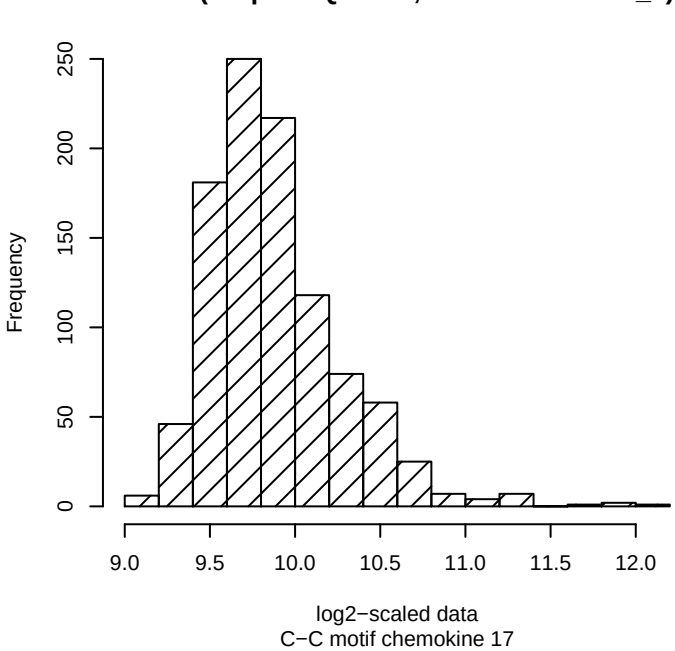

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
log2−scaled data
6
8
10
12
14
T/T (813)
T/C (166)
C/C (8)
rs9869826 (Chr3:50998816)
Locus 376 top sentinel (CIS), p=3.9e−12, FC=−1.422

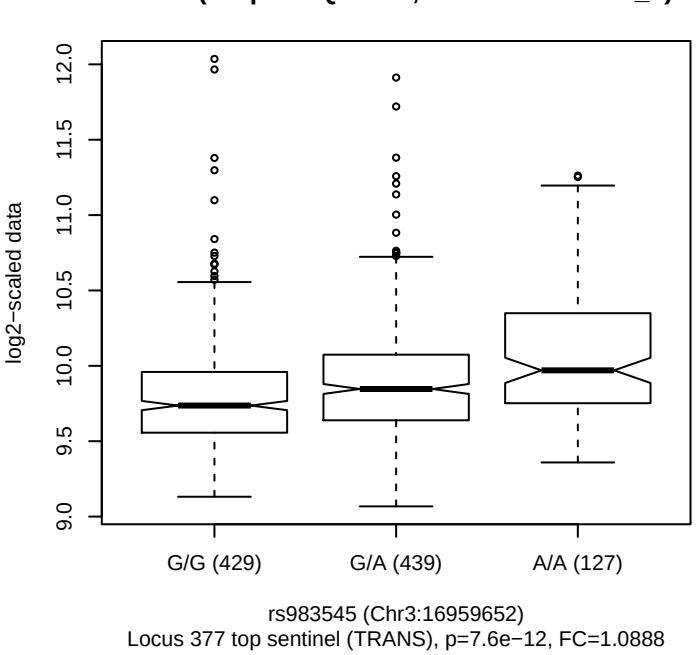

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Hepatocyte growth factor−like protein

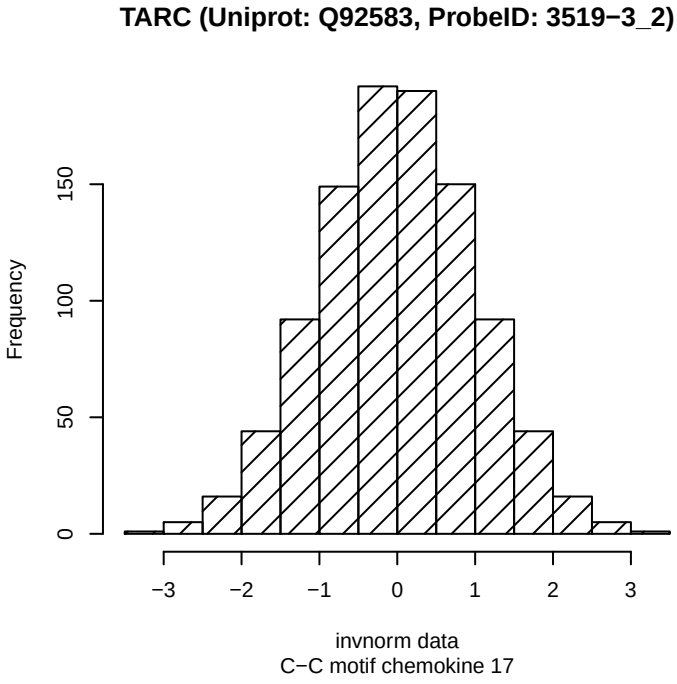

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
invnorm data
−3
−2
−1
0
1
2
3
T/T (813)
T/C (166)
C/C (8)
rs9869826 (Chr3:50998816)
Locus 376 top sentinel (CIS), p=1.8e−12

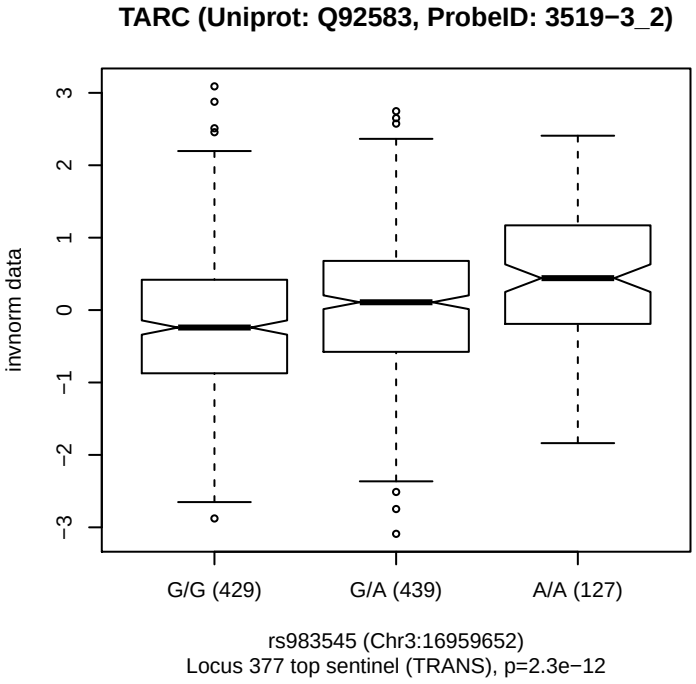

TARC (Uniprot: Q92583, ProbeID: 3519−3_2)
Frequency
0
100
200
300
400
500
600
1000
2000
3000
4000
raw data
C−C motif chemokine 17


TARC (Uniprot: Q92583, ProbeID: 3519−3_2)
raw data
1000
2000
3000
4000
G/G (429)
G/A (439)
A/A (127)
rs983545 (Chr3:16959652)
Locus 377 top sentinel (TRANS), p=1.4e−08

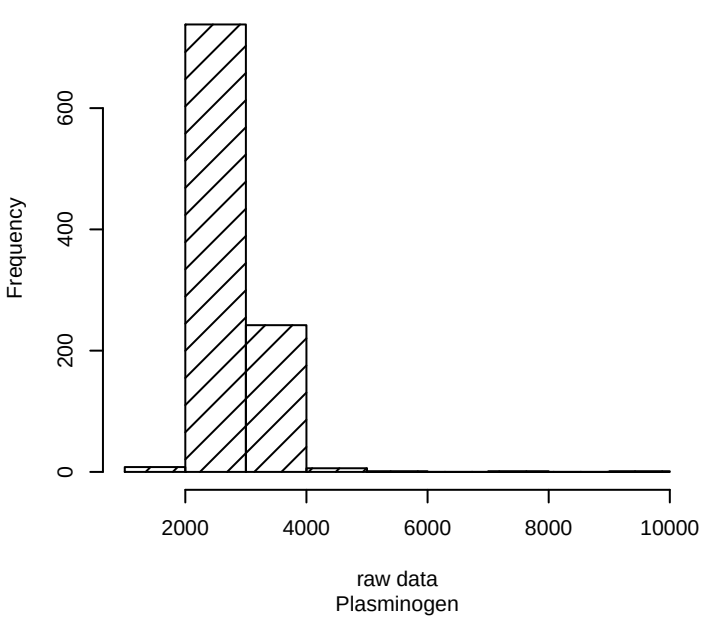

TARC (Uniprot: Q92583, ProbeID: 3519−3_2)
Frequency
0
50
100
150
200
250
9.0
9.5
10.0
10.5
11.0
11.5
12.0
log2−scaled data
C−C motif chemokine 17


TARC (Uniprot: Q92583, ProbeID: 3519−3_2)
log2−scaled data
9.0
9.5
10.0
10.5
11.0
11.5
12.0
G/G (429)
G/A (439)
A/A (127)
rs983545 (Chr3:16959652)
Locus 377 top sentinel (TRANS), p=7.6e−12, FC=1.0888

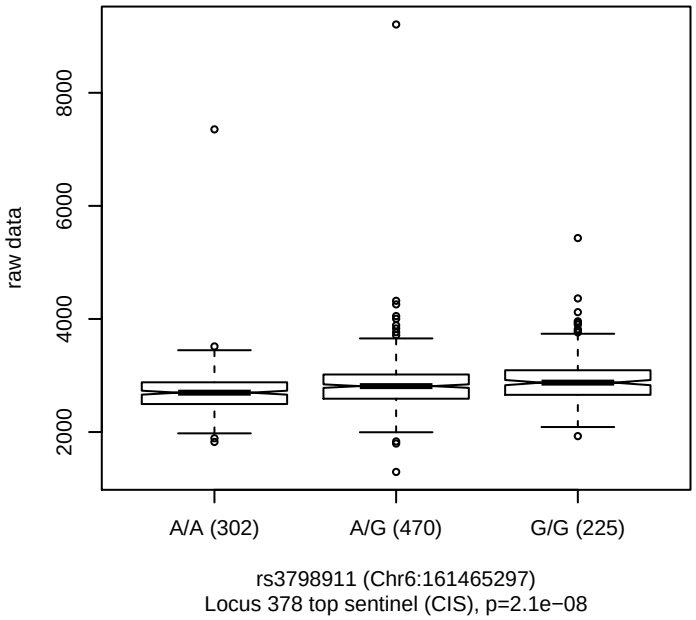

TARC (Uniprot: Q92583, ProbeID: 3519−3_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 17


TARC (Uniprot: Q92583, ProbeID: 3519−3_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (429)
G/A (439)
A/A (127)
rs983545 (Chr3:16959652)
Locus 377 top sentinel (TRANS), p=2.3e−12

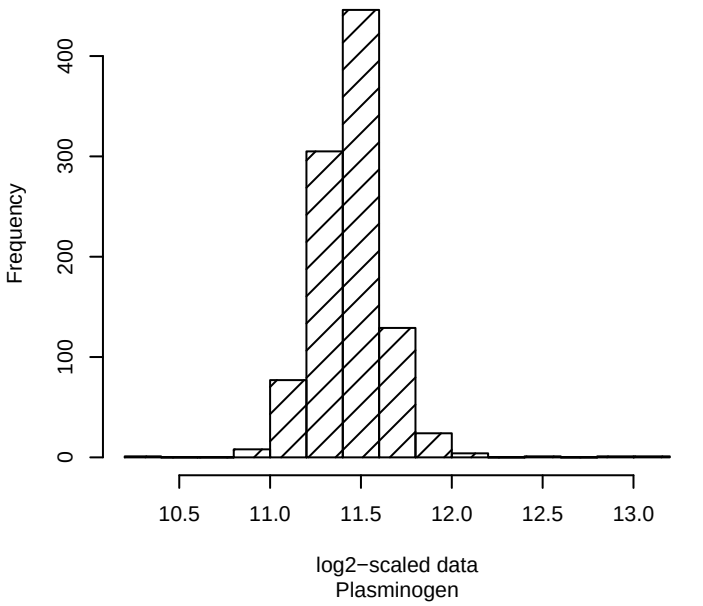
**Plasminogen (Uniprot: P00747, ProbeID: 4151−6_2)**



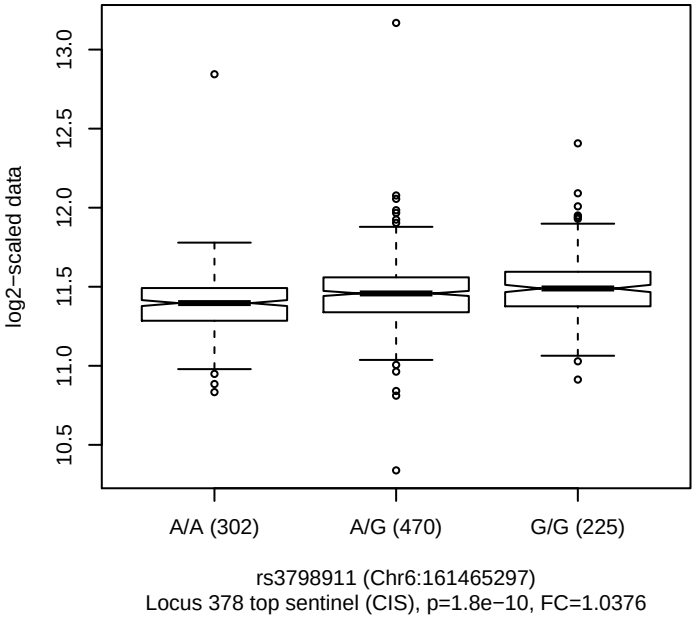

**Plasminogen (Uniprot: P00747, ProbeID: 4151−6_2)**



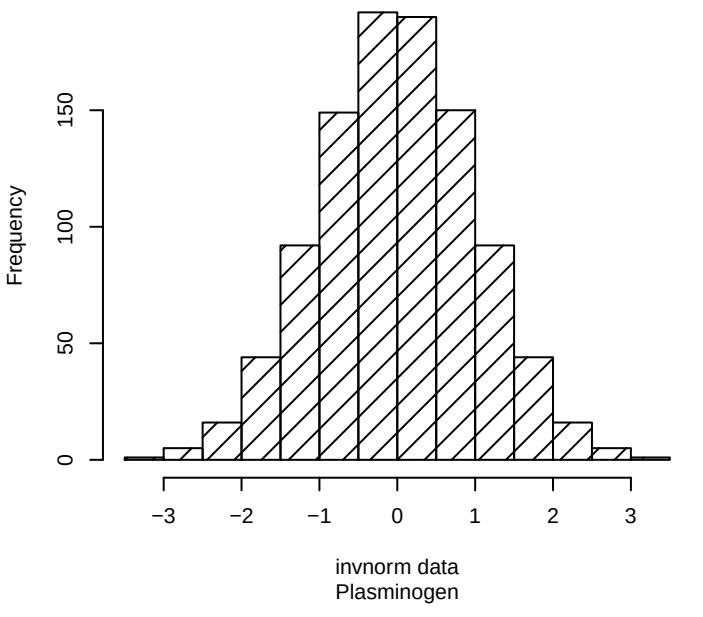

**Plasminogen (Uniprot: P00747, ProbeID: 4151−6_2)**



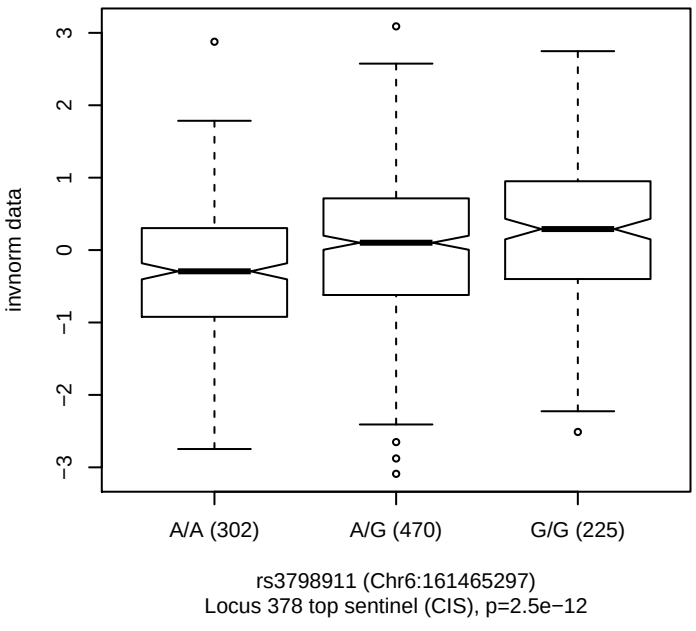

**Plasminogen (Uniprot: P00747, ProbeID: 4151−6_2)**

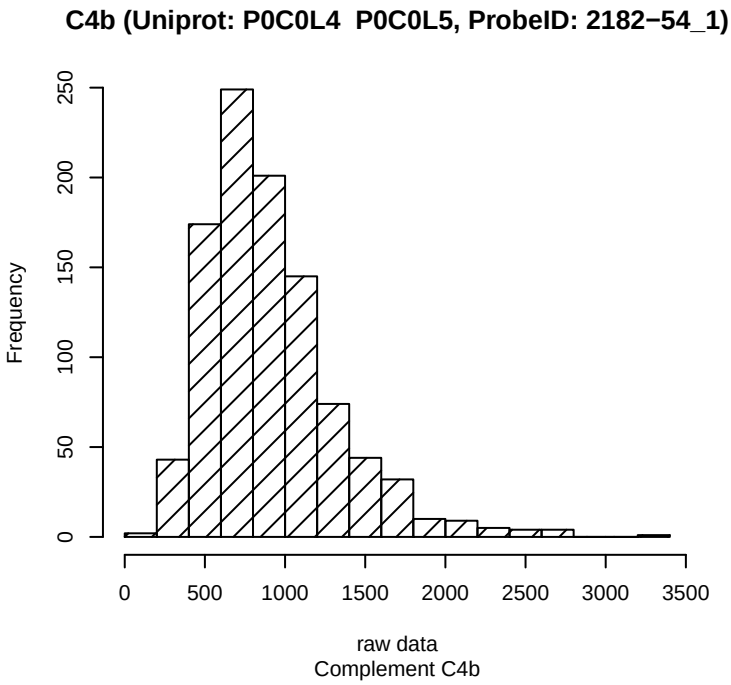


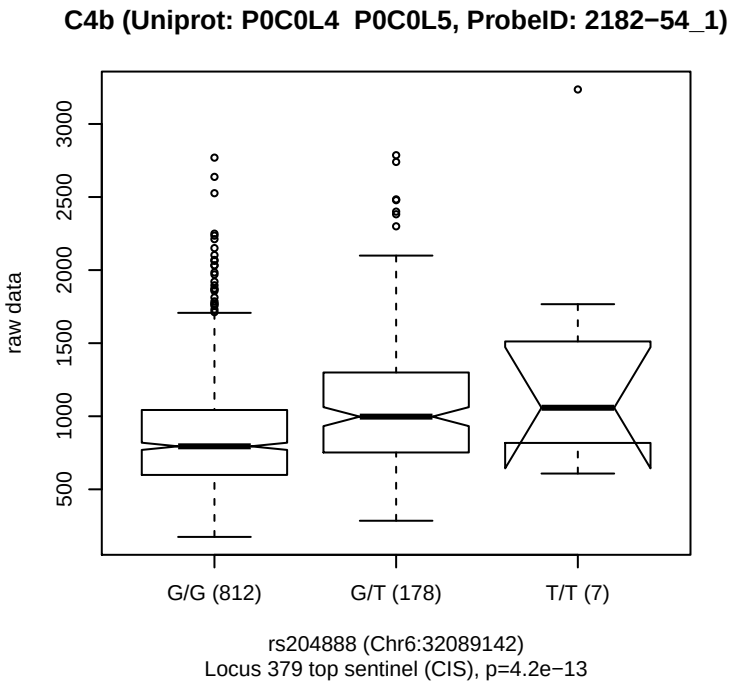

**Plasminogen (Uniprot: P00747, ProbeID: 4151−6_2)**

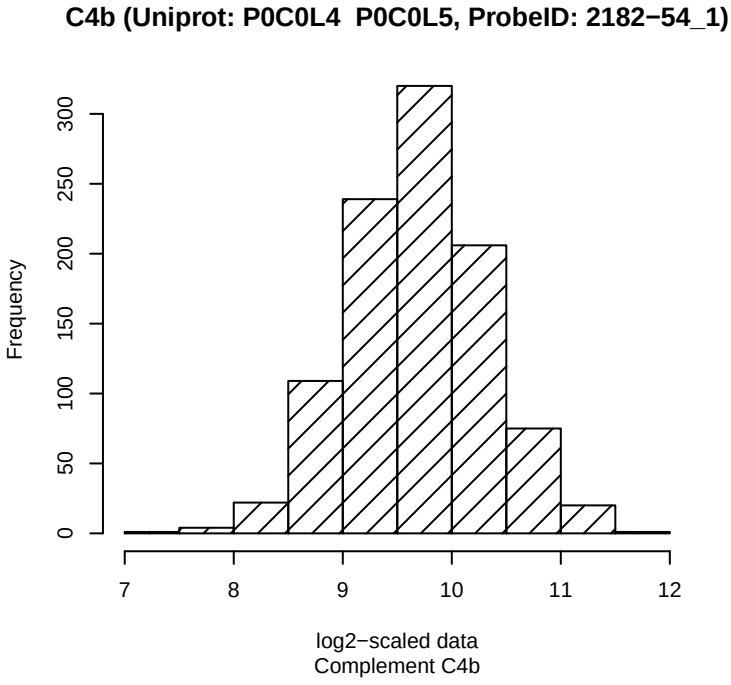


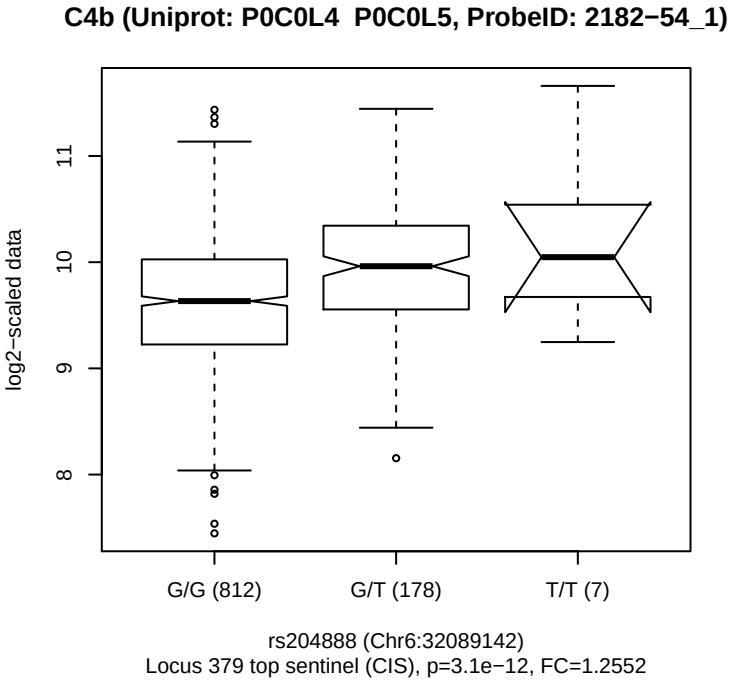

**Plasminogen (Uniprot: P00747, ProbeID: 4151−6_2)**

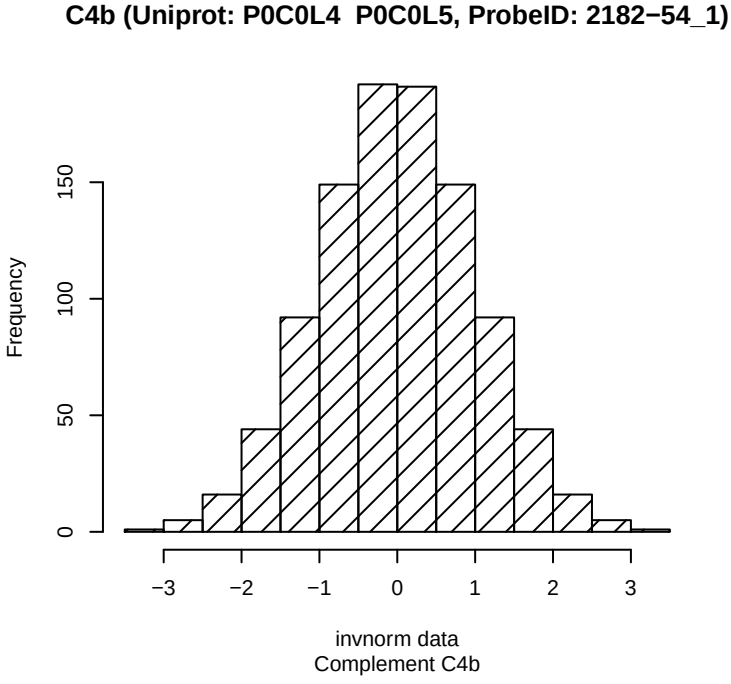


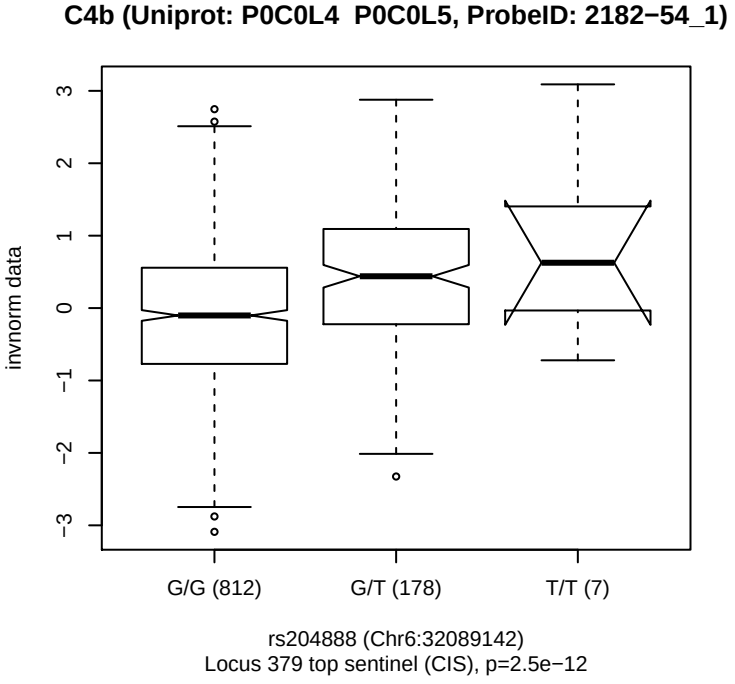

C4b (Uniprot: P0C0L4 P0C0L5, ProbeID: 2182−54_1)
Frequency
0
50
100
150
200
250
0
500
1000
1500
2000
2500
3000
3500
raw data
Complement C4b

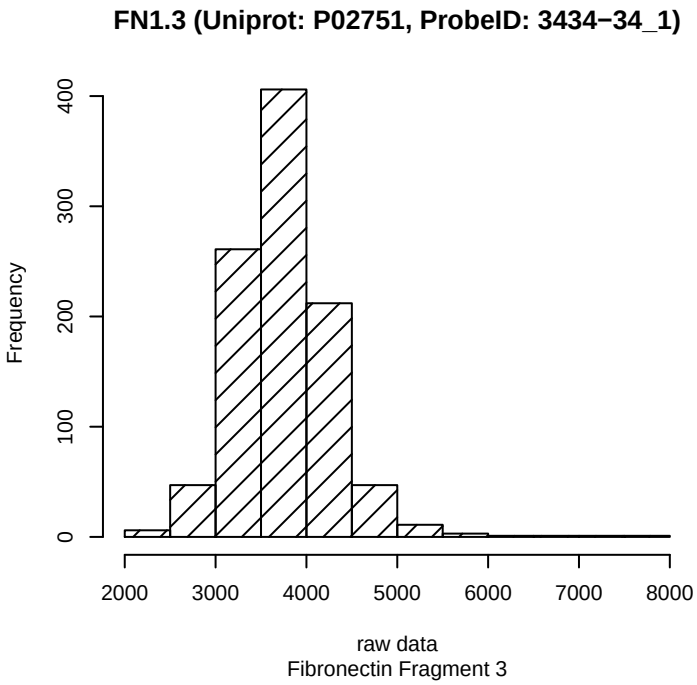

C4b (Uniprot: P0C0L4 P0C0L5, ProbeID: 2182−54_1)
raw data
500
1000
1500
2000
2500
3000
G/G (812)
G/T (178)
T/T (7)
rs204888 (Chr6:32089142)
Locus 379 top sentinel (CIS), p=4.2e−13

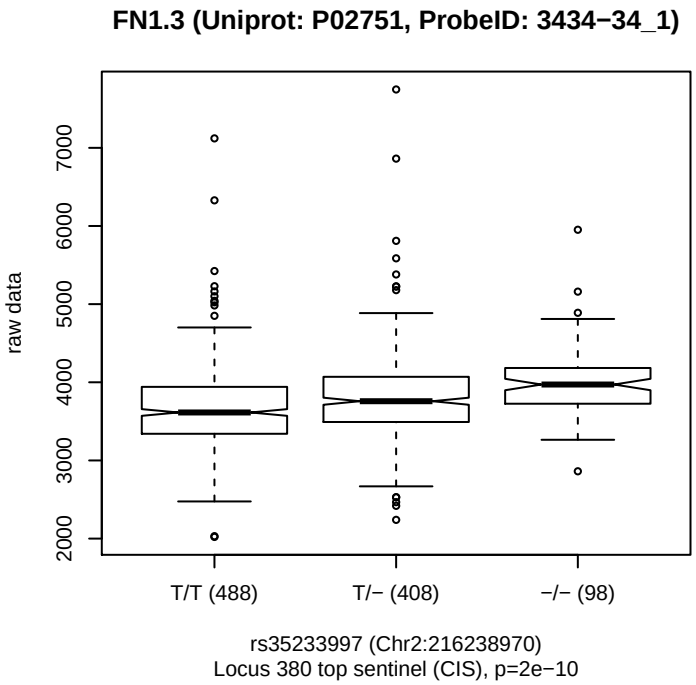

C4b (Uniprot: P0C0L4 P0C0L5, ProbeID: 2182−54_1)
Frequency
0
50
100
150
200
250
300
7
8
9
10
11
12
log2−scaled data
Complement C4b

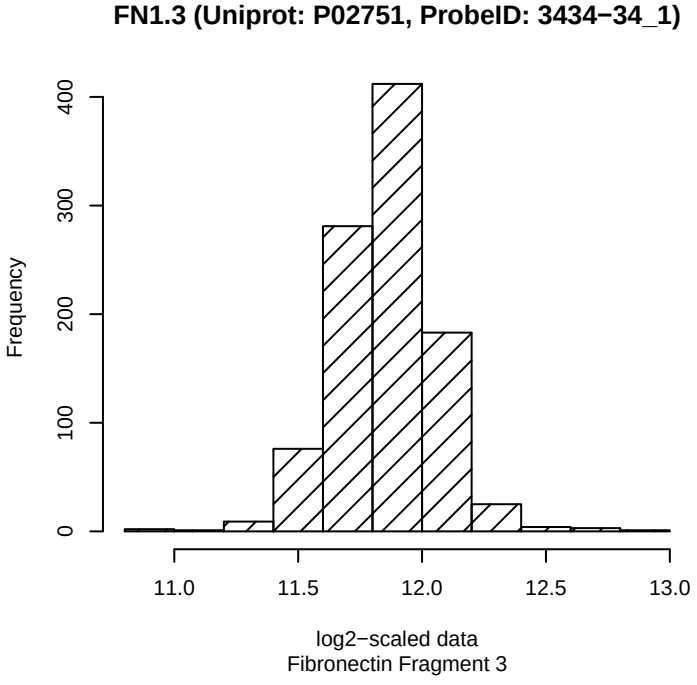

C4b (Uniprot: P0C0L4 P0C0L5, ProbeID: 2182−54_1)
log2−scaled data
8
9
10
11
G/G (812)
G/T (178)
T/T (7)
rs204888 (Chr6:32089142)
Locus 379 top sentinel (CIS), p=3.1e−12, FC=1.2552

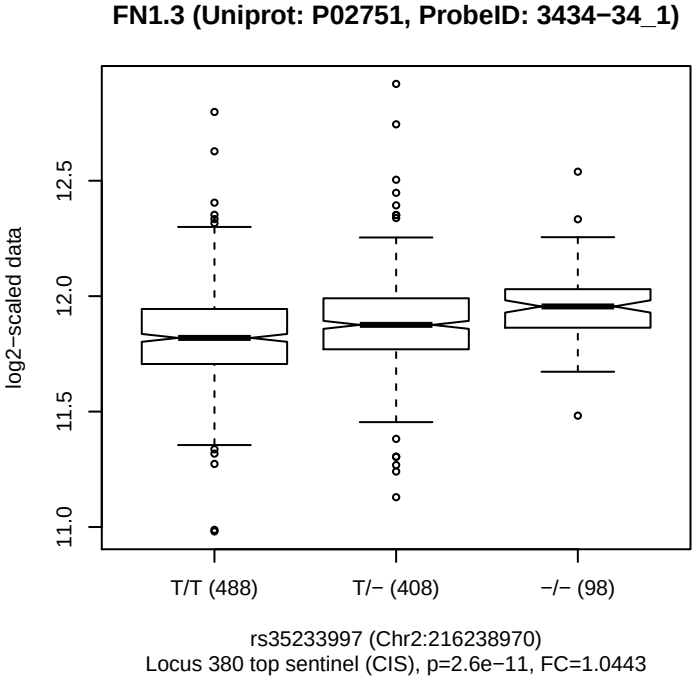

C4b (Uniprot: P0C0L4 P0C0L5, ProbeID: 2182−54_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Complement C4b

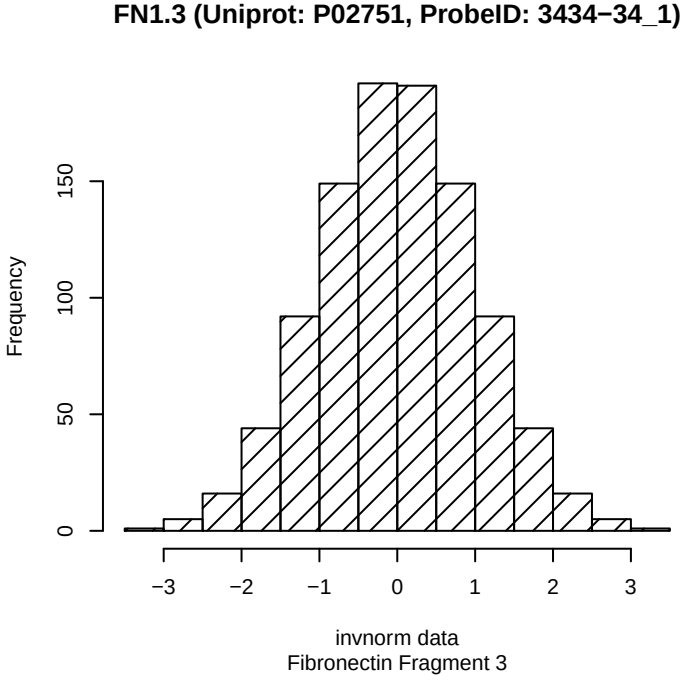

C4b (Uniprot: P0C0L4 P0C0L5, ProbeID: 2182−54_1)
invnorm data
−3
−2
−1
0
1
2
3
G/G (812)
G/T (178)
T/T (7)
rs204888 (Chr6:32089142)
Locus 379 top sentinel (CIS), p=2.5e−12

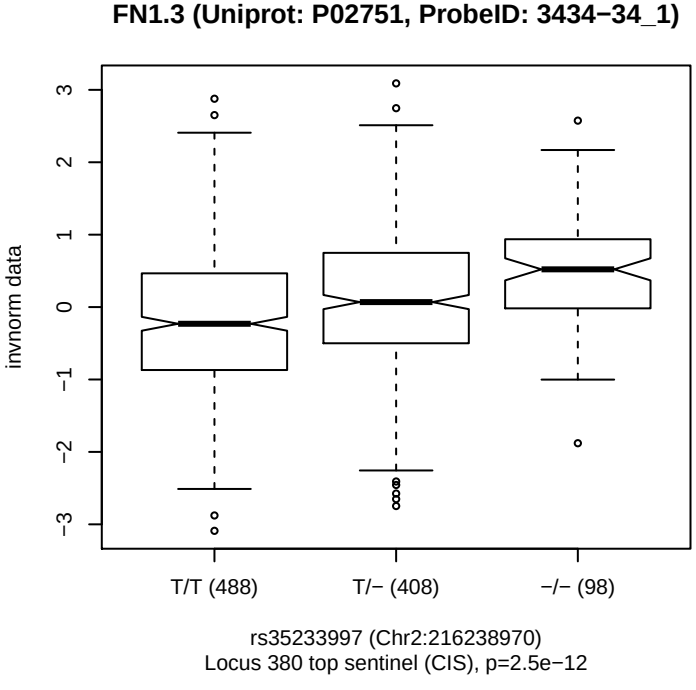

FN1.3 (Uniprot: P02751, ProbeID: 3434−34_1)
Frequency
0
100
200
300
400
2000
3000
4000
5000
6000
7000
8000
raw data
Fibronectin Fragment 3

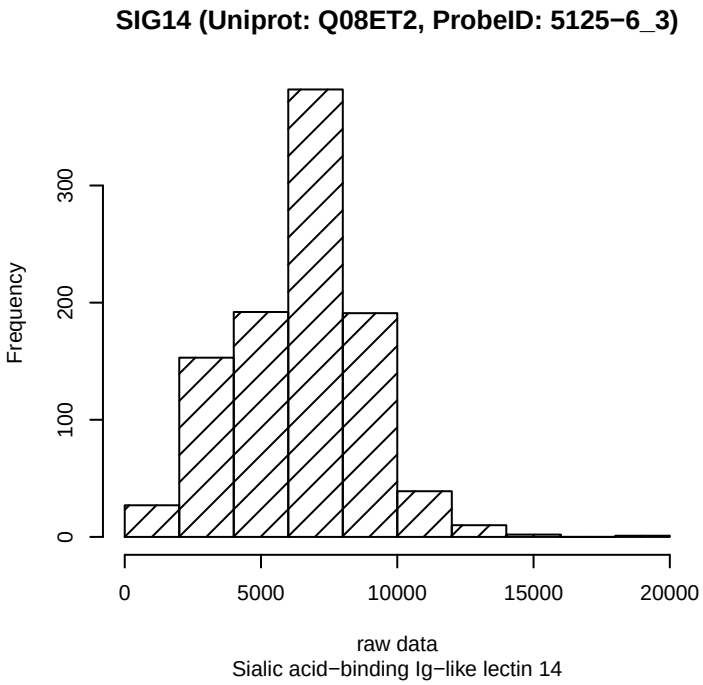

FN1.3 (Uniprot: P02751, ProbeID: 3434−34_1)
raw data
2000
3000
4000
5000
6000
7000
T/T (488)
T/− (408)
−/− (98)
rs35233997 (Chr2:216238970)
Locus 380 top sentinel (CIS), p=2e−10

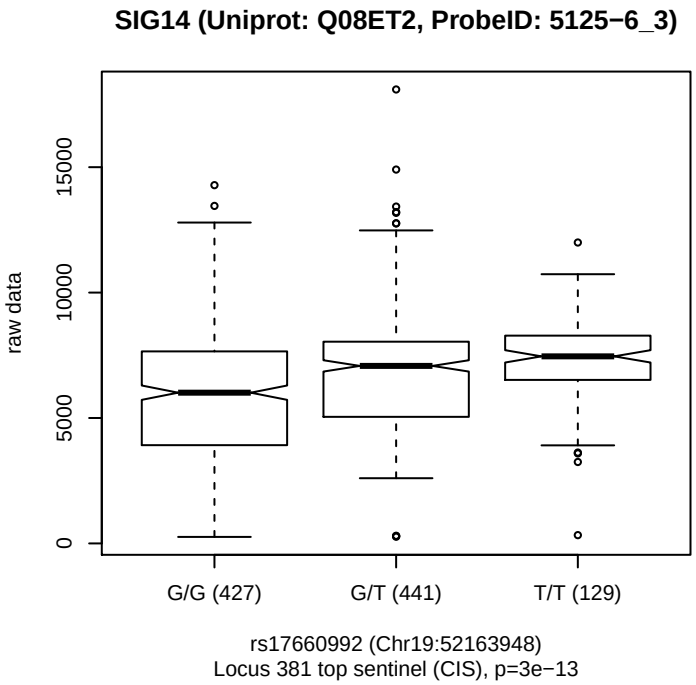

FN1.3 (Uniprot: P02751, ProbeID: 3434−34_1)
Frequency
0
100
200
300
400
11.0
11.5
12.0
12.5
13.0
log2−scaled data
Fibronectin Fragment 3

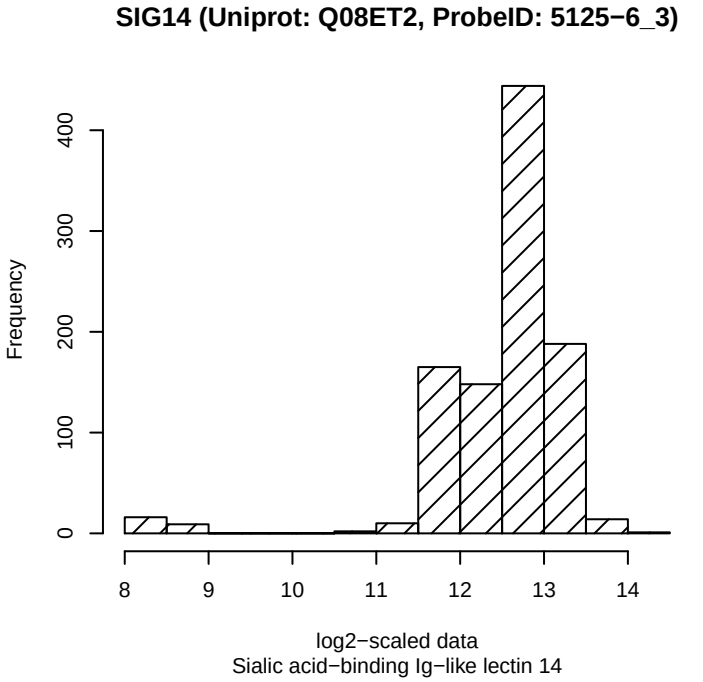

FN1.3 (Uniprot: P02751, ProbeID: 3434−34_1)
log2−scaled data
11.0
11.5
12.0
12.5
T/T (488)
T/− (408)
−/− (98)
rs35233997 (Chr2:216238970)
Locus 380 top sentinel (CIS), p=2.6e−11, FC=1.0443

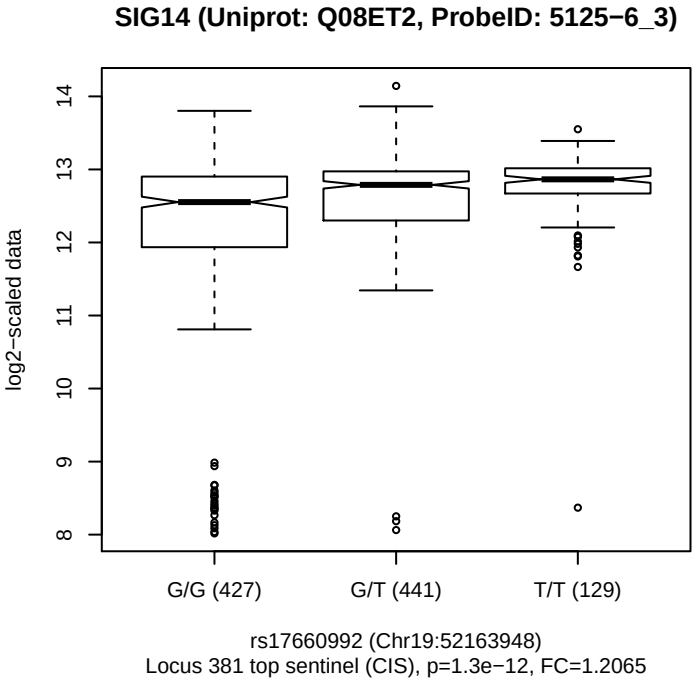

FN1.3 (Uniprot: P02751, ProbeID: 3434−34_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Fibronectin Fragment 3

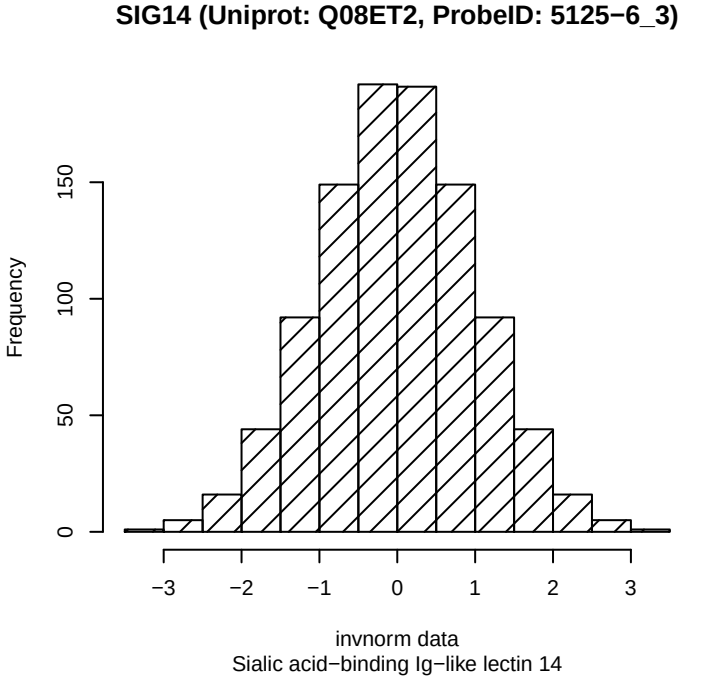

FN1.3 (Uniprot: P02751, ProbeID: 3434−34_1)
invnorm data
−3
−2
−1
0
1
2
3
T/T (488)
T/− (408)
−/− (98)
rs35233997 (Chr2:216238970)
Locus 380 top sentinel (CIS), p=2.5e−12

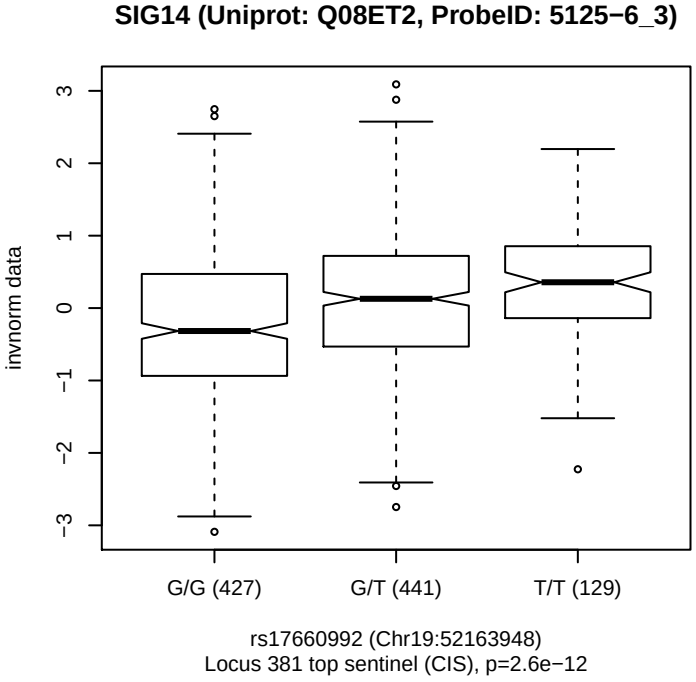

SIG14 (Uniprot: Q08ET2, ProbeID: 5125−6_3)
Frequency
0
100
200
300
0
5000
10000
15000
20000
raw data
Sialic acid−binding Ig−like lectin 14

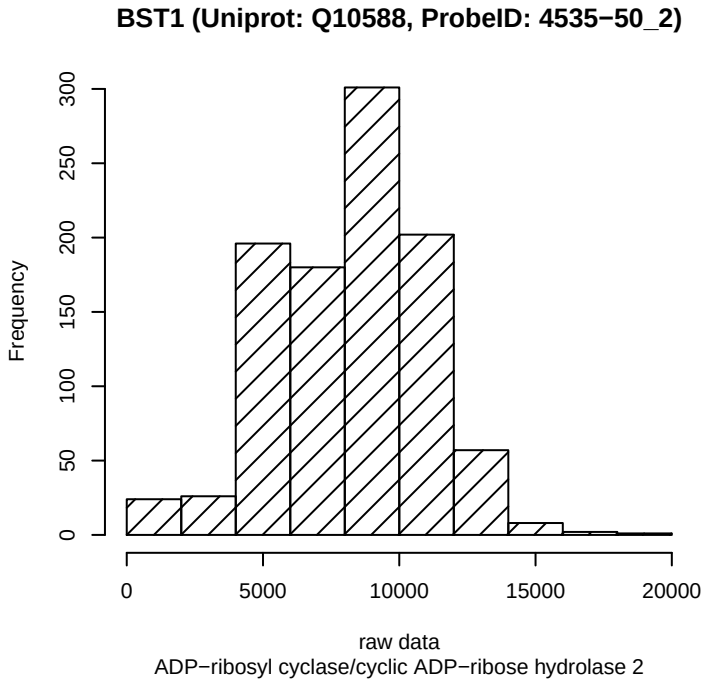

SIG14 (Uniprot: Q08ET2, ProbeID: 5125−6_3)
raw data
0
5000
10000
15000
G/G (427)
G/T (441)
T/T (129)
rs17660992 (Chr19:52163948)
Locus 381 top sentinel (CIS), p=3e−13

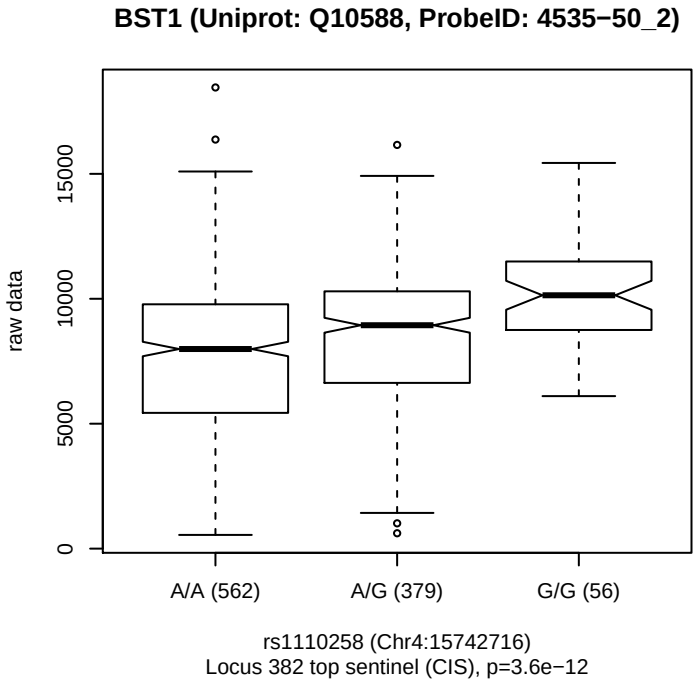

SIG14 (Uniprot: Q08ET2, ProbeID: 5125−6_3)
Frequency
0
100
200
300
400
8
9
10
11
12
13
14
log2−scaled data
Sialic acid−binding Ig−like lectin 14

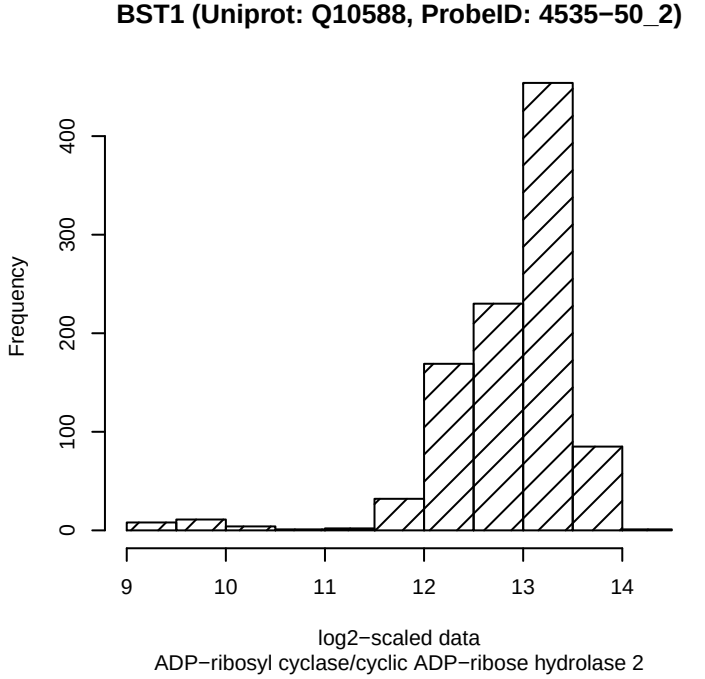

SIG14 (Uniprot: Q08ET2, ProbeID: 5125−6_3)
log2−scaled data
8
9
10
11
12
13
14
G/G (427)
G/T (441)
T/T (129)
rs17660992 (Chr19:52163948)
Locus 381 top sentinel (CIS), p=1.3e−12, FC=1.2065

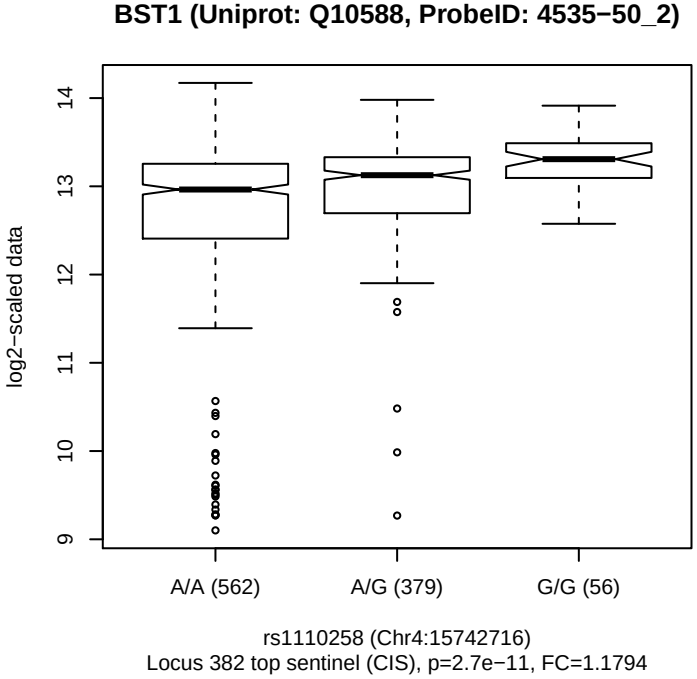

SIG14 (Uniprot: Q08ET2, ProbeID: 5125−6_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Sialic acid−binding Ig−like lectin 14

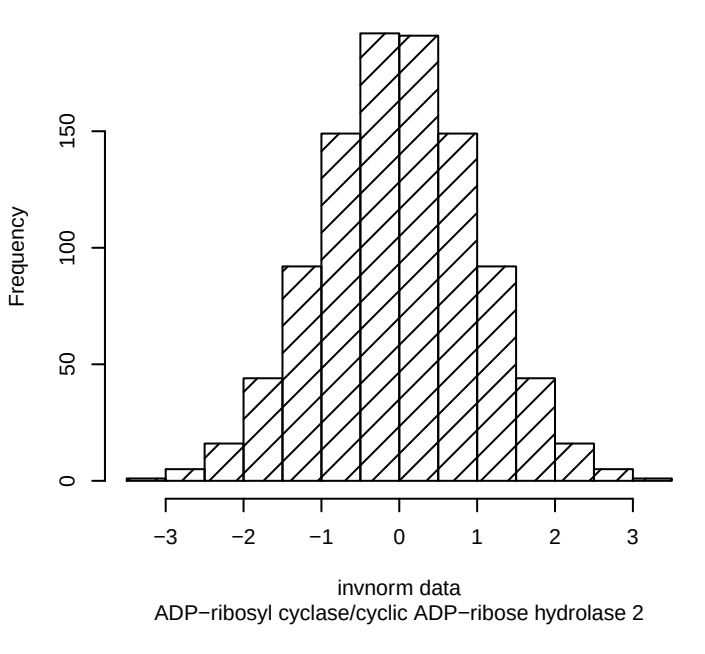

SIG14 (Uniprot: Q08ET2, ProbeID: 5125−6_3)
invnorm data
−3
−2
−1
0
1
2
3
G/G (427)
G/T (441)
T/T (129)
rs17660992 (Chr19:52163948)
Locus 381 top sentinel (CIS), p=2.6e−12

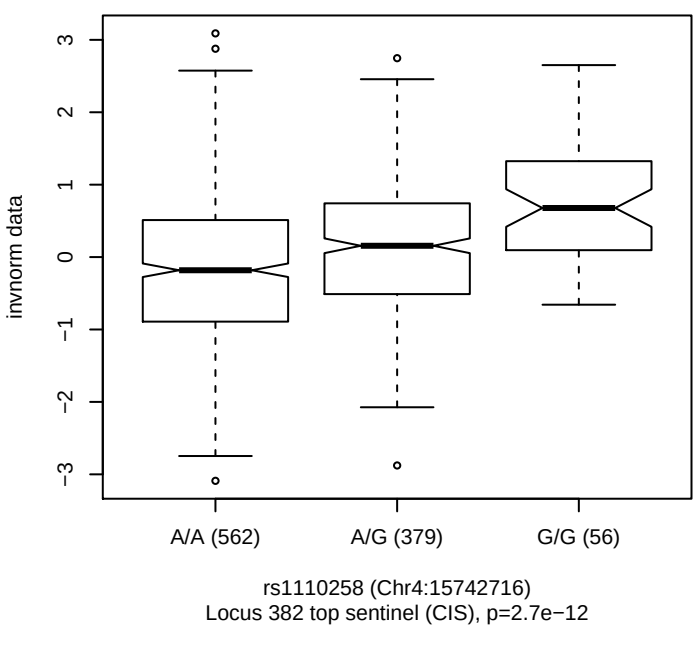

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
Frequency
0
50
100
150
200
250
300
0
5000
10000
15000
20000
raw data
ADP−ribosyl cyclase/cyclic ADP−ribose hydrolase 2


BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
raw data
0
5000
10000
15000
A/A (562)
A/G (379)
G/G (56)
rs1110258 (Chr4:15742716)
Locus 382 top sentinel (CIS), p=3.6e−12

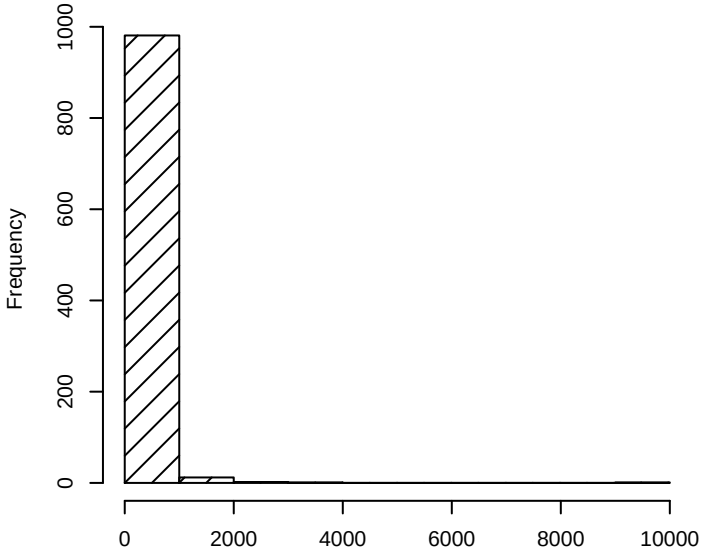

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
Frequency
0
100
200
300
400
9
10
11
12
13
14
log2−scaled data
ADP−ribosyl cyclase/cyclic ADP−ribose hydrolase 2


BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
log2−scaled data
9
10
11
12
13
14
A/A (562)
A/G (379)
G/G (56)
rs1110258 (Chr4:15742716)
Locus 382 top sentinel (CIS), p=2.7e−11, FC=1.1794


BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
ADP−ribosyl cyclase/cyclic ADP−ribose hydrolase 2

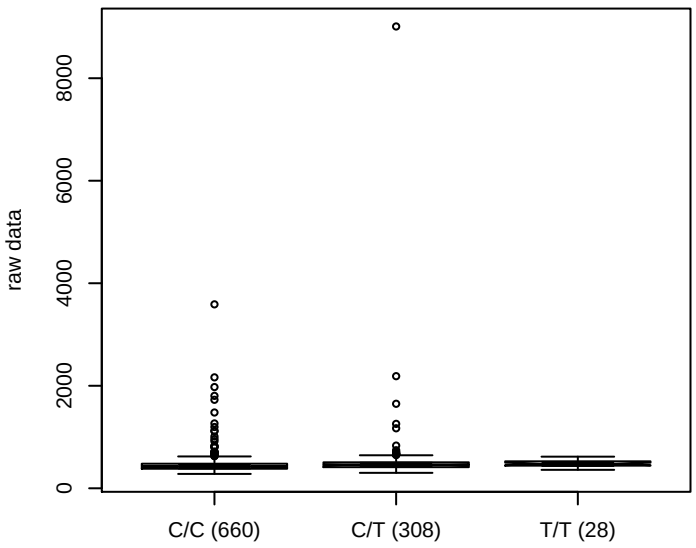

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (562)
A/G (379)
G/G (56)
rs1110258 (Chr4:15742716)
Locus 382 top sentinel (CIS), p=2.7e−12

**ADAMTS−5 (Uniprot: Q9UNA0, ProbeID: 3168−8_2)**



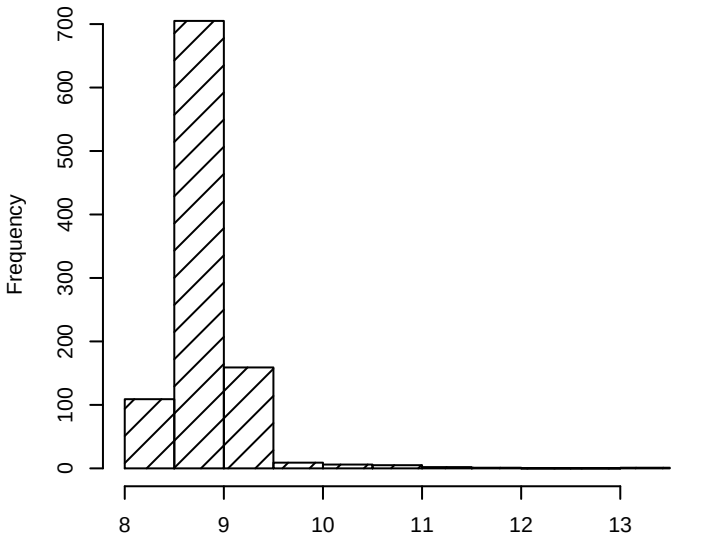

A disintegrin and metalloproteinase with thrombospondin motifs 5

**ADAMTS−5 (Uniprot: Q9UNA0, ProbeID: 3168−8_2)**



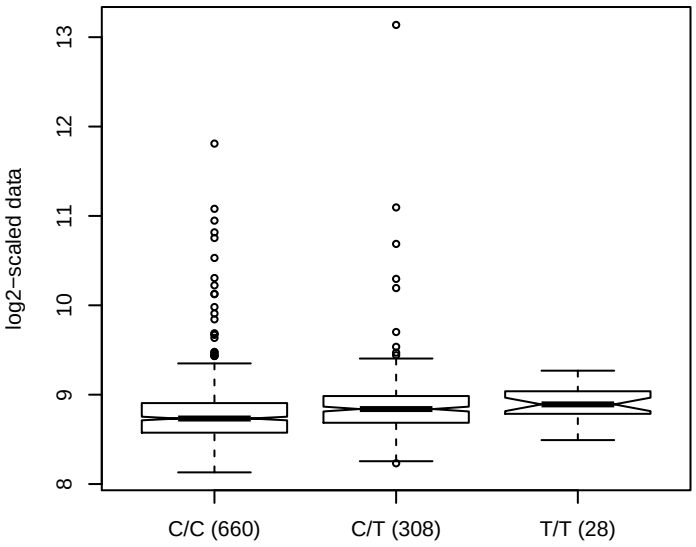

rs229100 (Chr21:28223092)
Locus 383 top sentinel (CIS), p=0.058

**ADAMTS−5 (Uniprot: Q9UNA0, ProbeID: 3168−8_2)**



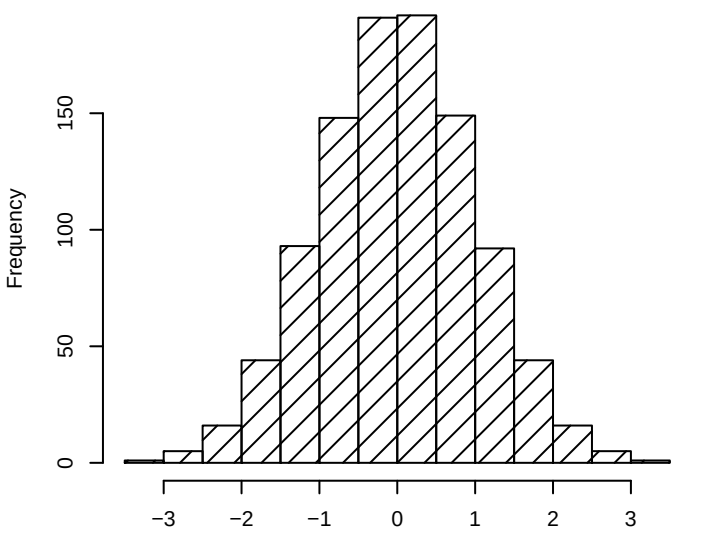

A disintegrin and metalloproteinase with thrombospondin motifs 5

**ADAMTS−5 (Uniprot: Q9UNA0, ProbeID: 3168−8_2)**



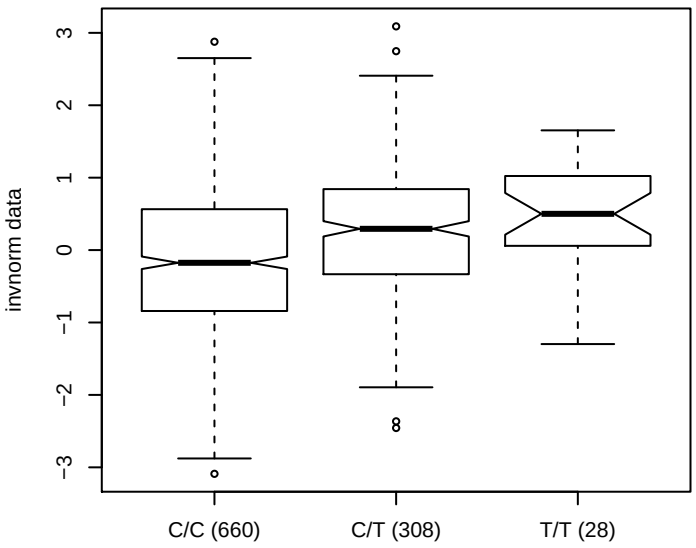

rs229100 (Chr21:28223092)
Locus 383 top sentinel (CIS), p=2.2e−05, FC=1.062

**ADAMTS−5 (Uniprot: Q9UNA0, ProbeID: 3168−8_2)**

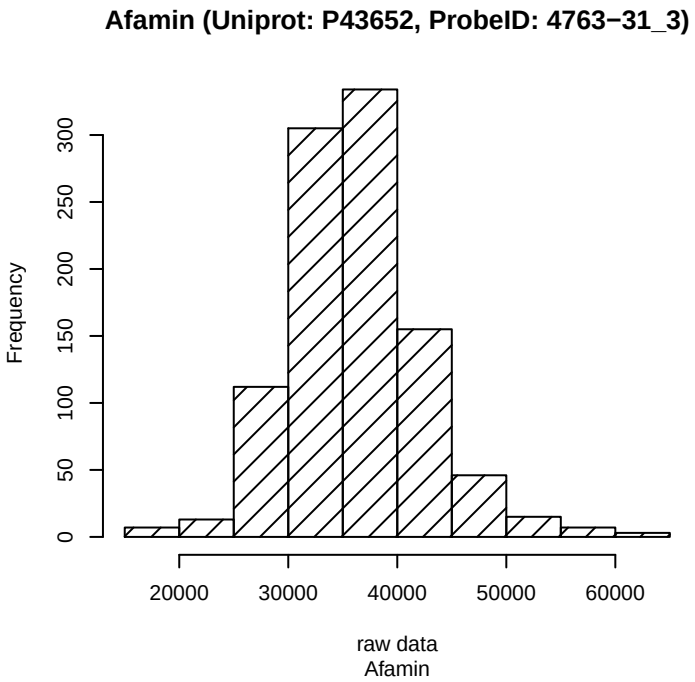


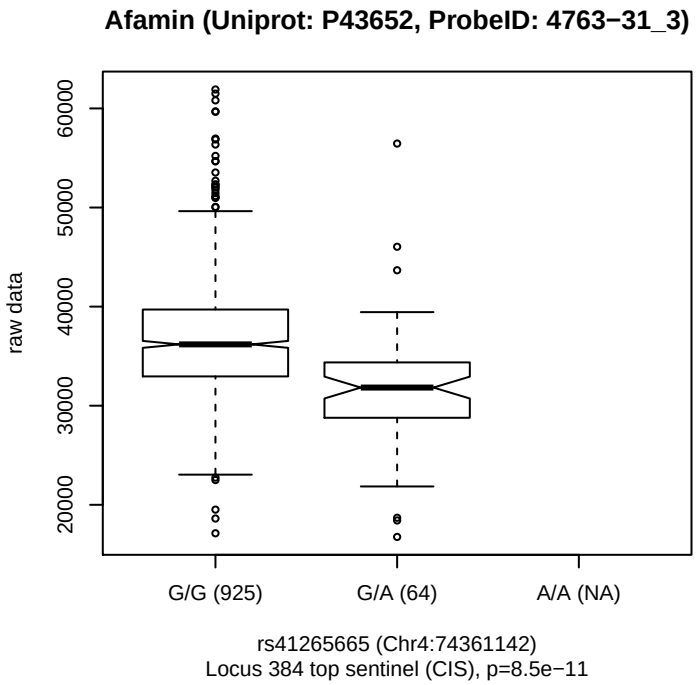

A disintegrin and metalloproteinase with thrombospondin motifs 5

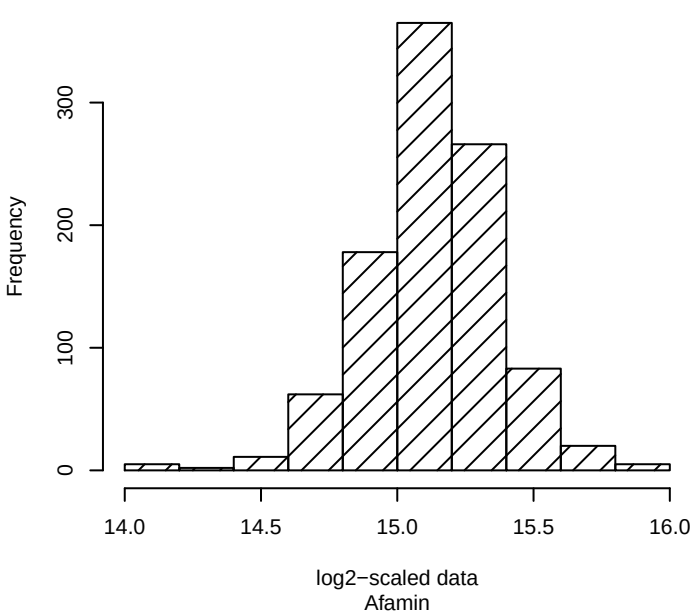
**ADAMTS−5 (Uniprot: Q9UNA0, ProbeID: 3168−8_2)**

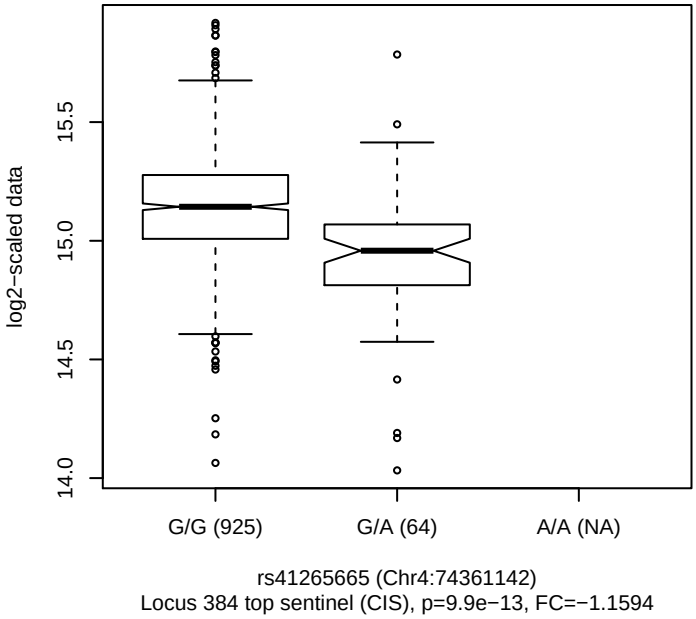


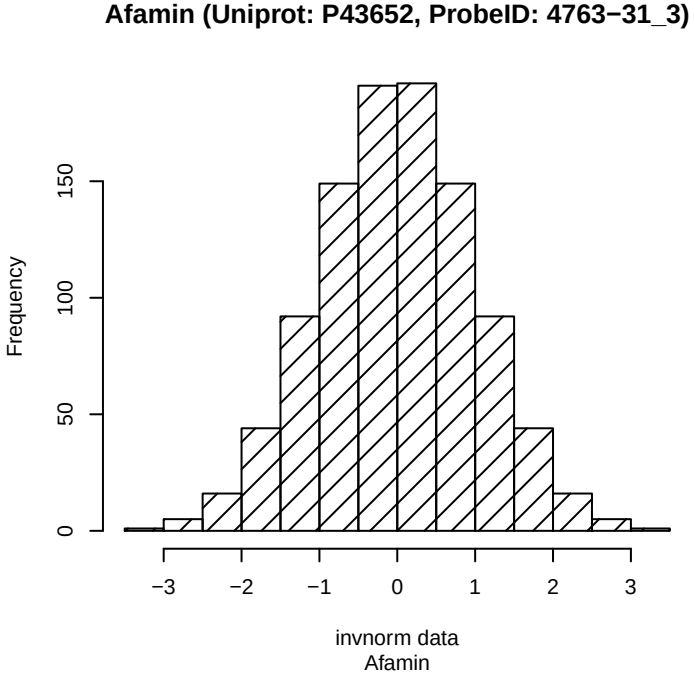

rs229100 (Chr21:28223092)
Locus 383 top sentinel (CIS), p=2.9e−12

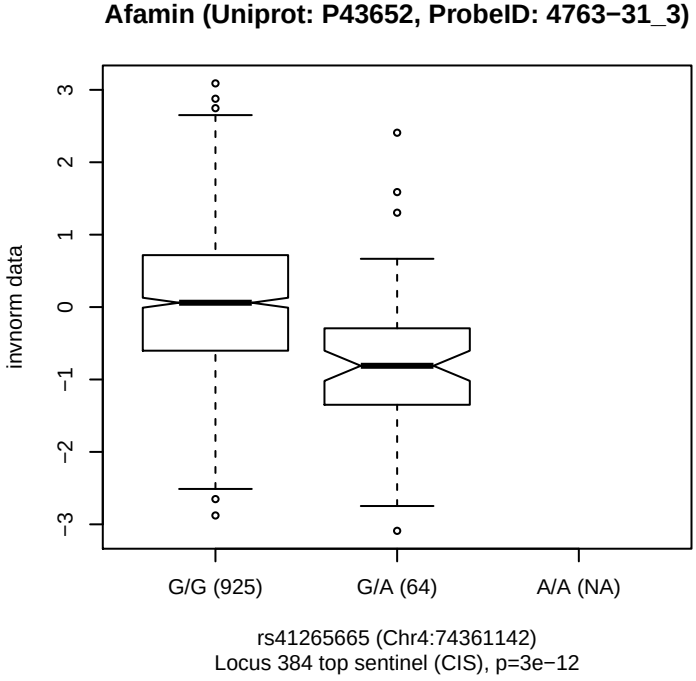

Afamin (Uniprot: P43652, ProbeID: 4763−31_3)
Frequency
0
50
100
150
200
250
300
20000
30000
40000
50000
60000
raw data
Afamin

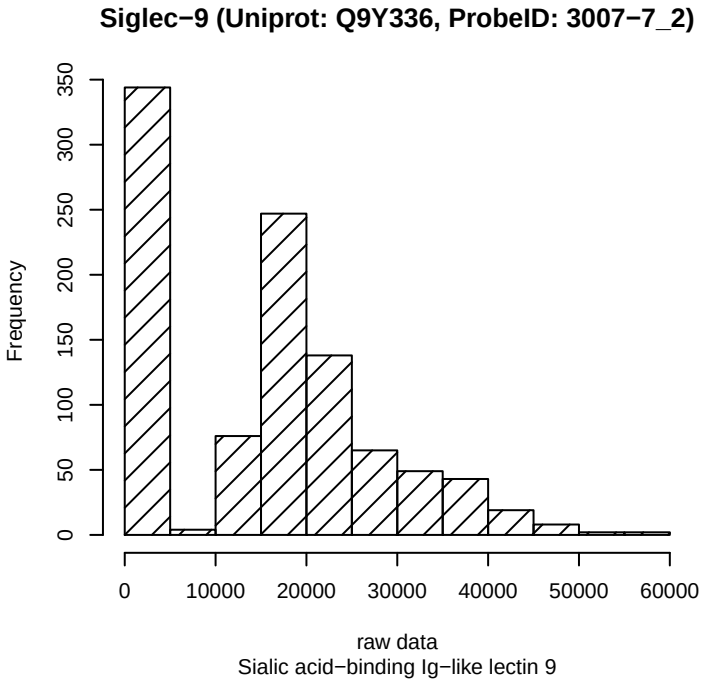

Afamin (Uniprot: P43652, ProbeID: 4763−31_3)
raw data
20000
30000
40000
50000
60000
G/G (925)
G/A (64)
A/A (NA)
rs41265665 (Chr4:74361142)
Locus 384 top sentinel (CIS), p=8.5e−11

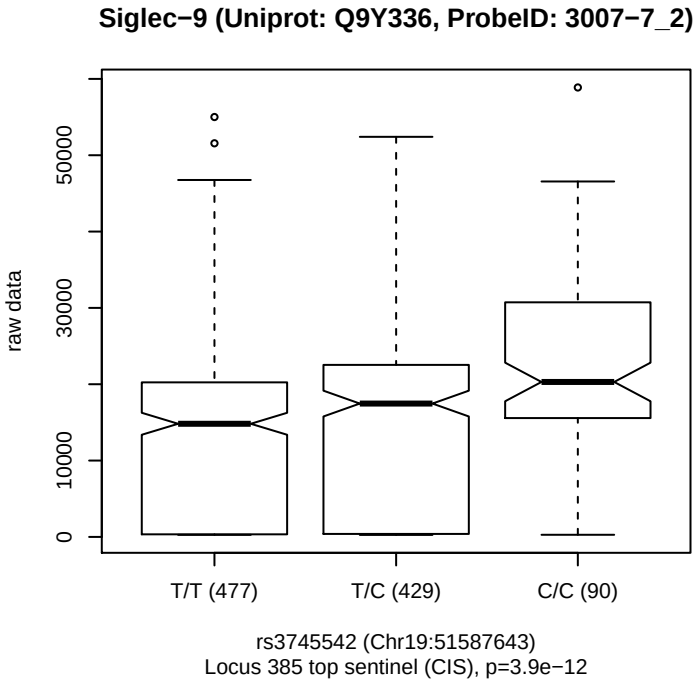

Afamin (Uniprot: P43652, ProbeID: 4763−31_3)
Frequency
0
100
200
300
14.0
14.5
15.0
15.5
16.0
log2−scaled data
Afamin

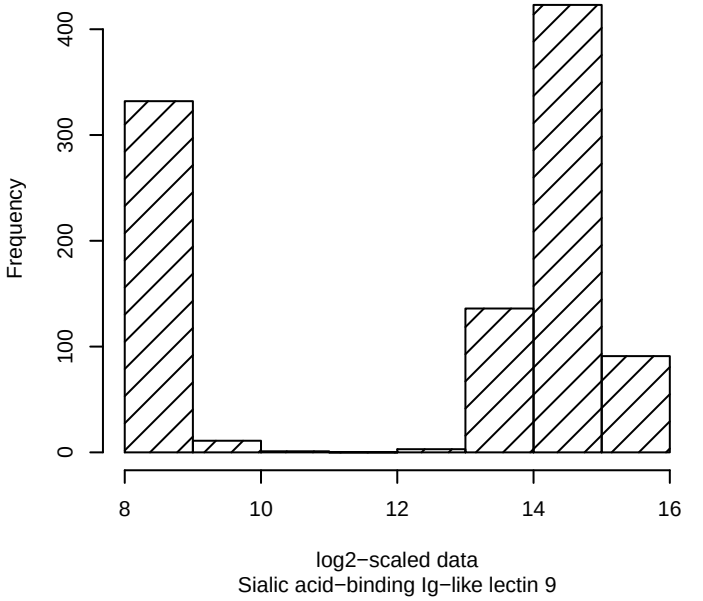

Afamin (Uniprot: P43652, ProbeID: 4763−31_3)
log2−scaled data
14.0
14.5
15.0
15.5
G/G (925)
G/A (64)
A/A (NA)
rs41265665 (Chr4:74361142)
Locus 384 top sentinel (CIS), p=9.9e−13, FC=−1.1594

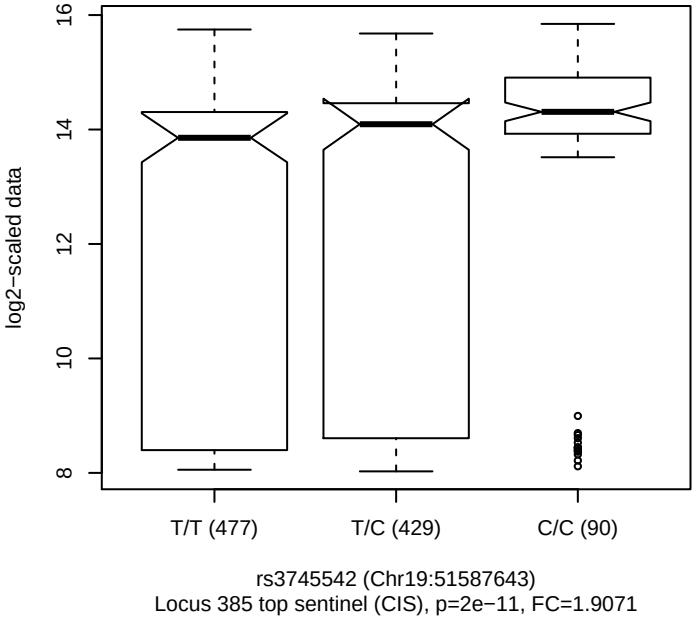

Afamin (Uniprot: P43652, ProbeID: 4763−31_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Afamin

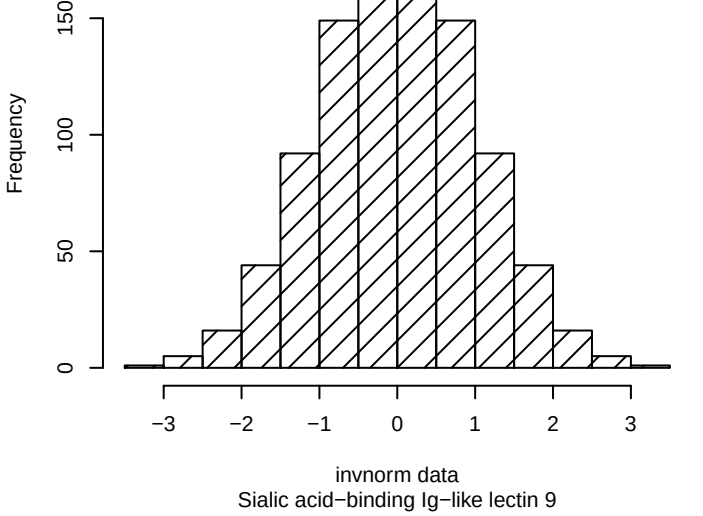

Afamin (Uniprot: P43652, ProbeID: 4763−31_3)
invnorm data
−3
−2
−1
0
1
2
3
G/G (925)
G/A (64)
A/A (NA)
rs41265665 (Chr4:74361142)
Locus 384 top sentinel (CIS), p=3e−12

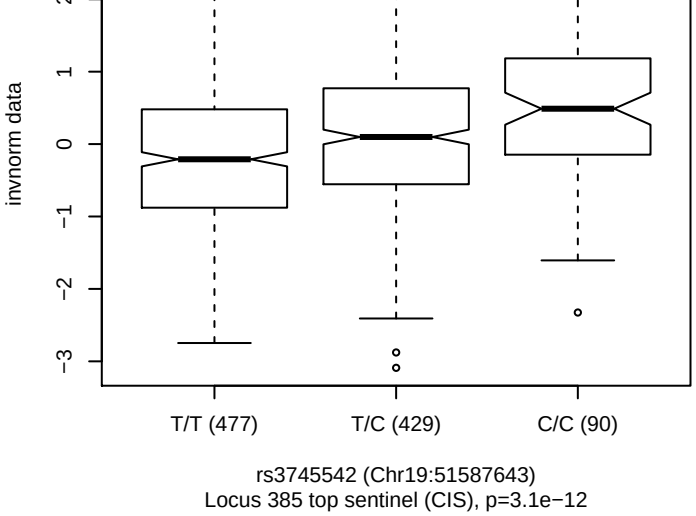

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
Frequency
0
50
100
150
200
250
300
350
0
10000
20000
30000
40000
50000
60000
raw data
Sialic acid−binding Ig−like lectin 9

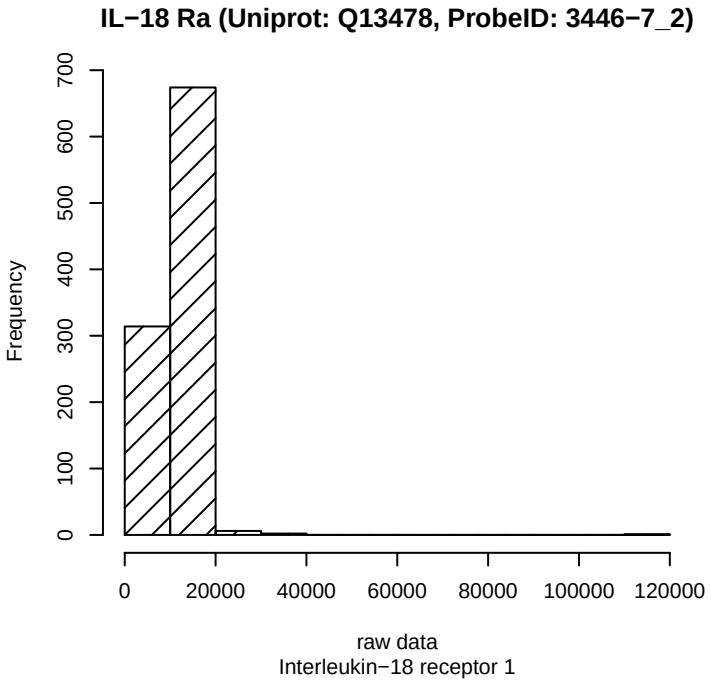

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
raw data
0
10000
30000
50000
T/T (477)
T/C (429)
C/C (90)
rs3745542 (Chr19:51587643)
Locus 385 top sentinel (CIS), p=3.9e−12

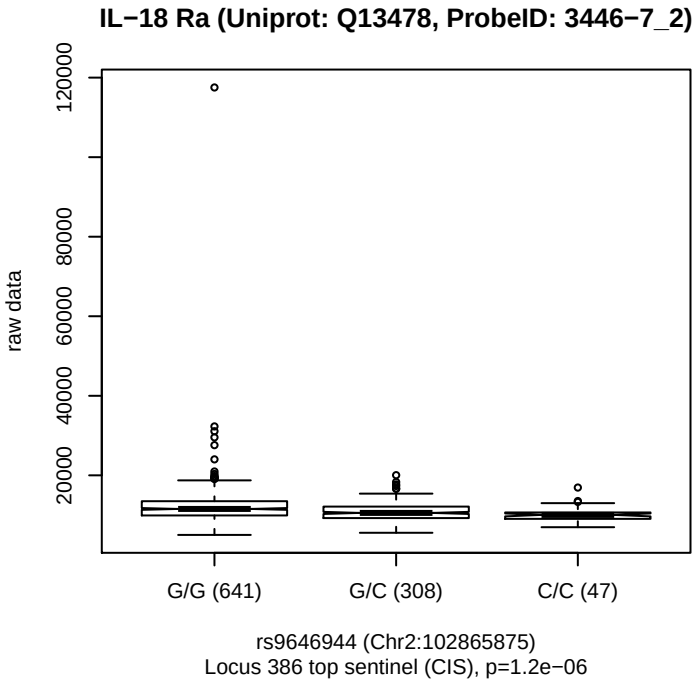

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
Frequency
0
100
200
300
400
8
10
12
14
16
log2−scaled data
Sialic acid−binding Ig−like lectin 9

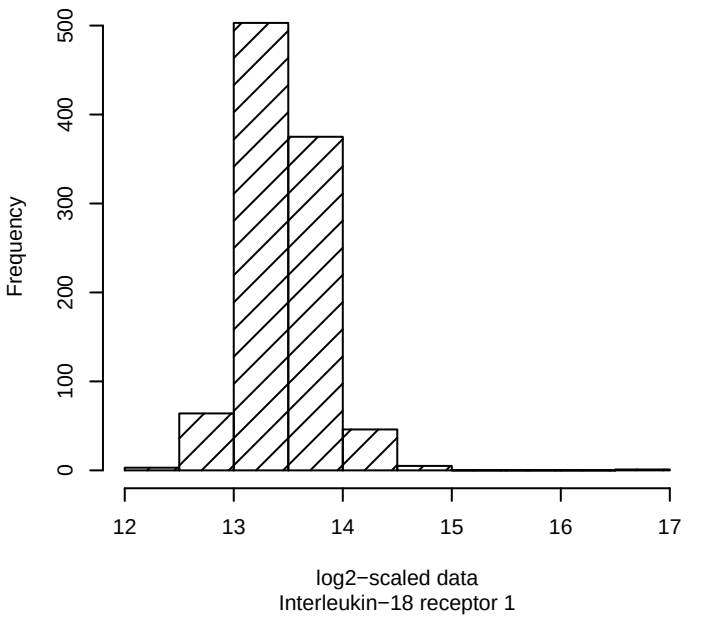

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
log2−scaled data
8
10
12
14
16
T/T (477)
T/C (429)
C/C (90)
rs3745542 (Chr19:51587643)
Locus 385 top sentinel (CIS), p=2e−11, FC=1.9071

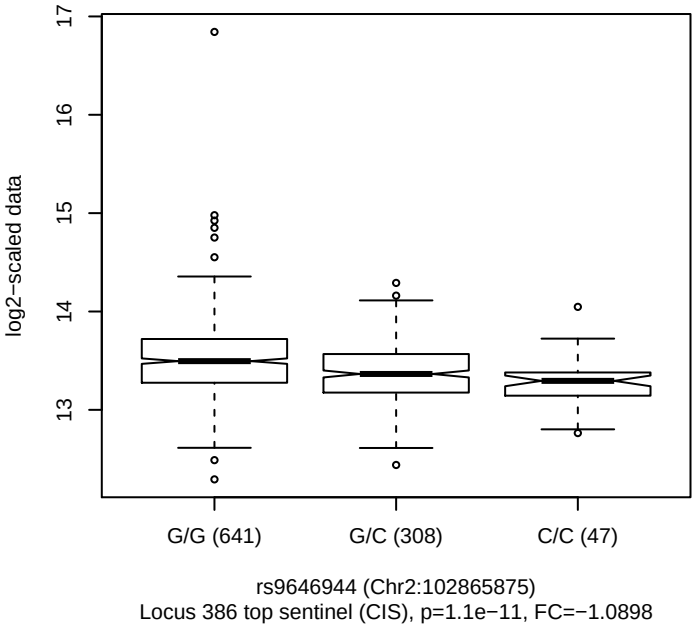

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Sialic acid−binding Ig−like lectin 9

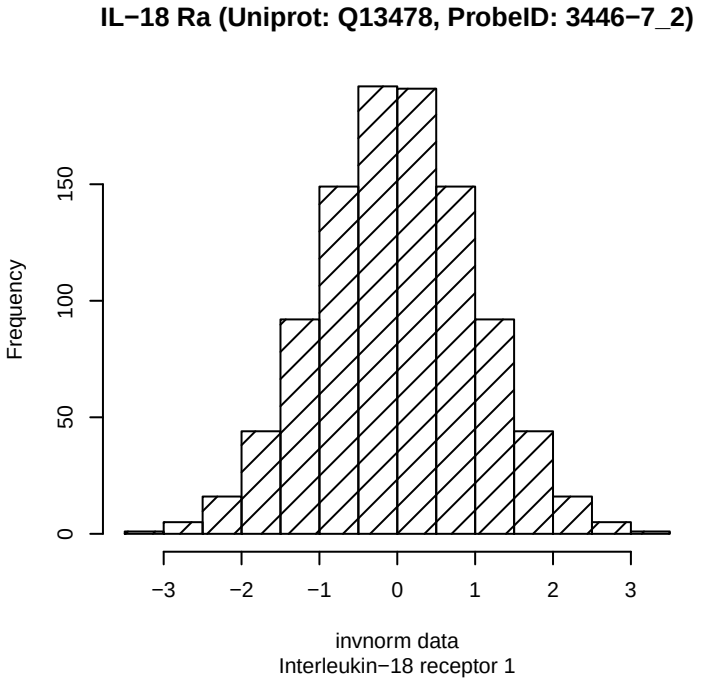

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (477)
T/C (429)
C/C (90)
rs3745542 (Chr19:51587643)
Locus 385 top sentinel (CIS), p=3.1e−12

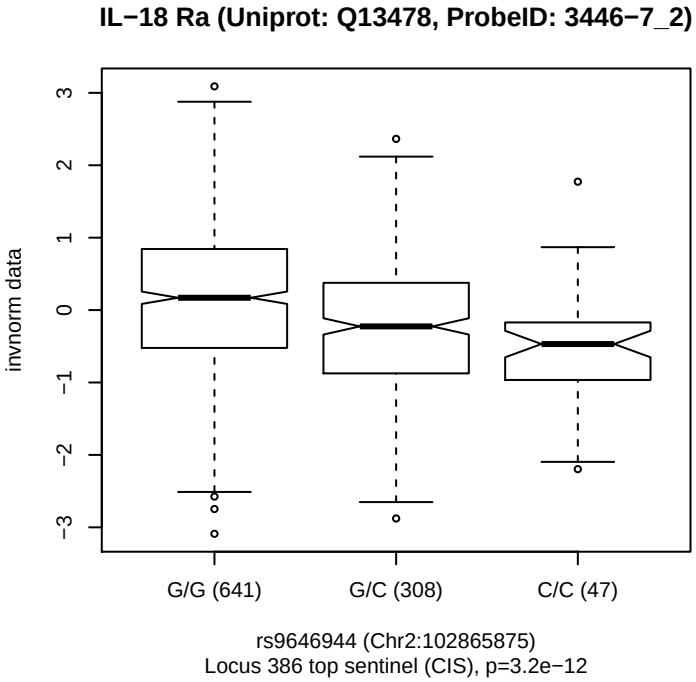

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
Frequency
0
100
200
300
400
500
600
700
0
20000
40000
60000
80000
100000
120000
raw data
Interleukin−18 receptor 1

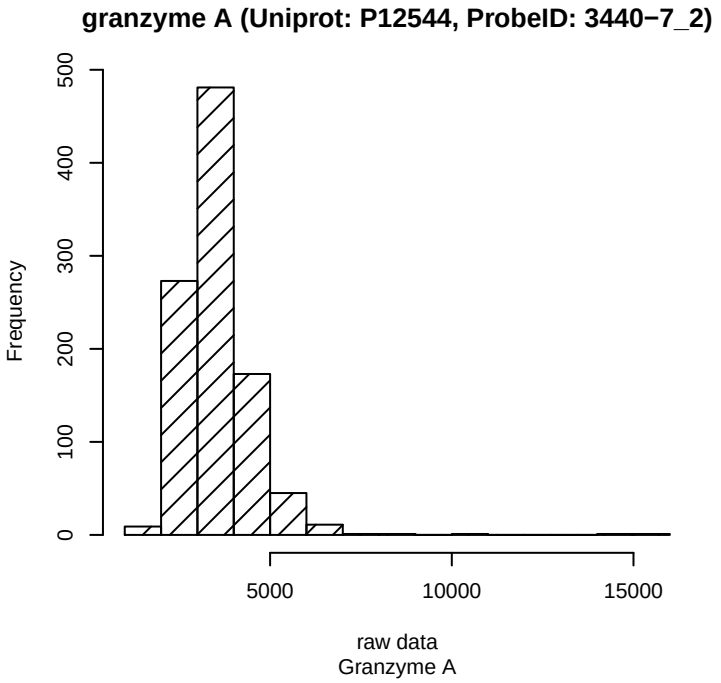

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
raw data
20000
40000
60000
80000
120000
G/G (641)
G/C (308)
C/C (47)
rs9646944 (Chr2:102865875)
Locus 386 top sentinel (CIS), p=1.2e−06

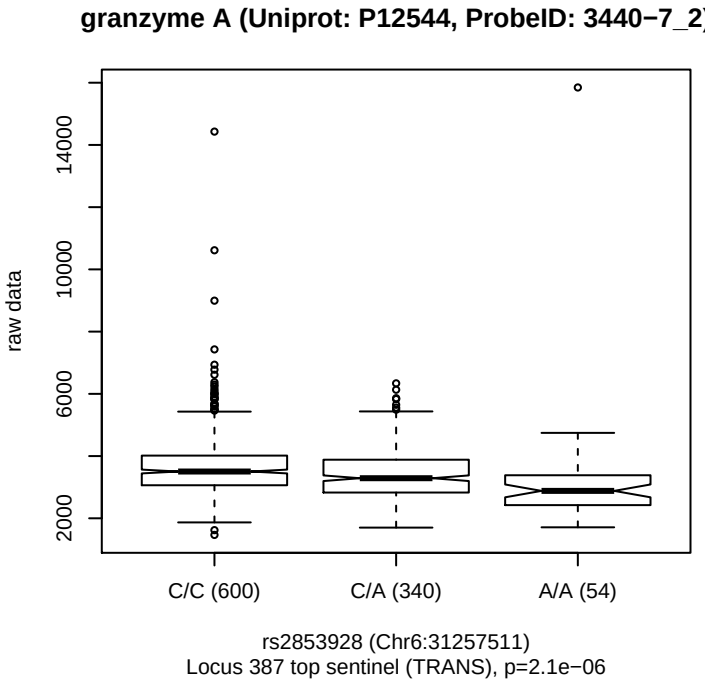

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
Frequency
0
100
200
300
400
500
12
13
14
15
16
17
log2−scaled data
Interleukin−18 receptor 1

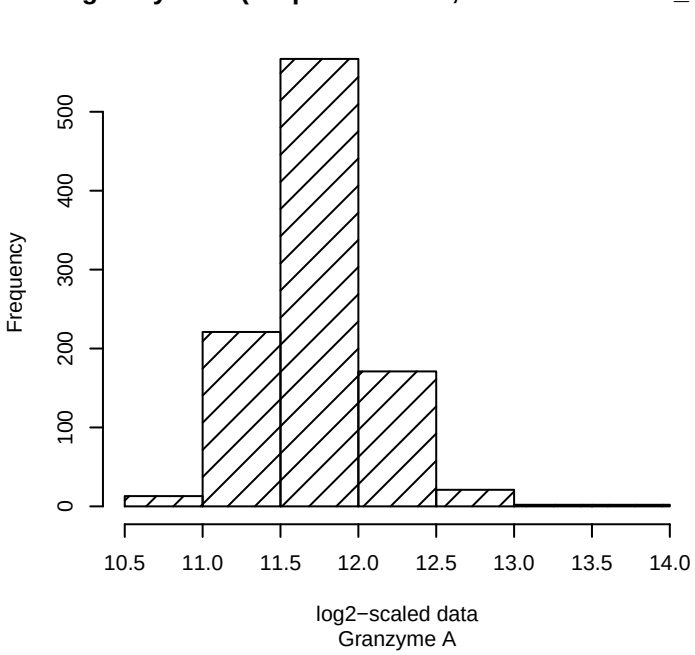

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
log2−scaled data
13
14
15
16
17
G/G (641)
G/C (308)
C/C (47)
rs9646944 (Chr2:102865875)
Locus 386 top sentinel (CIS), p=1.1e−11, FC=−1.0898

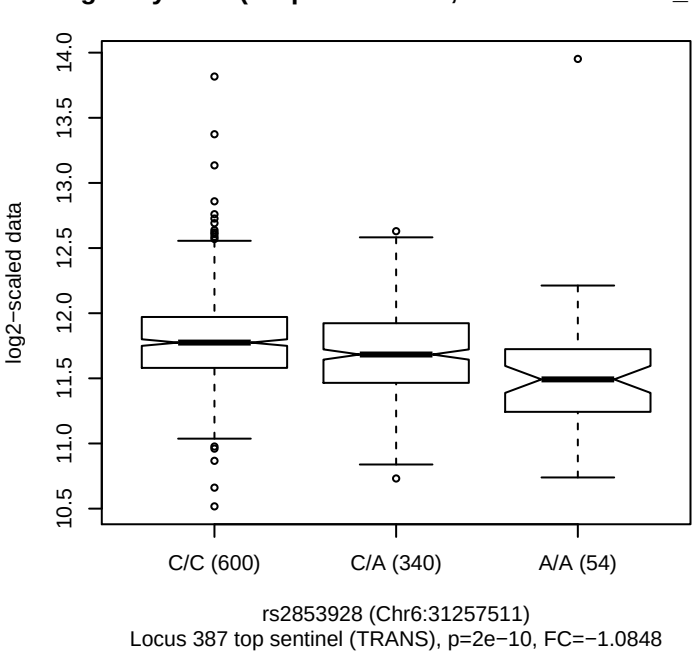

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−18 receptor 1

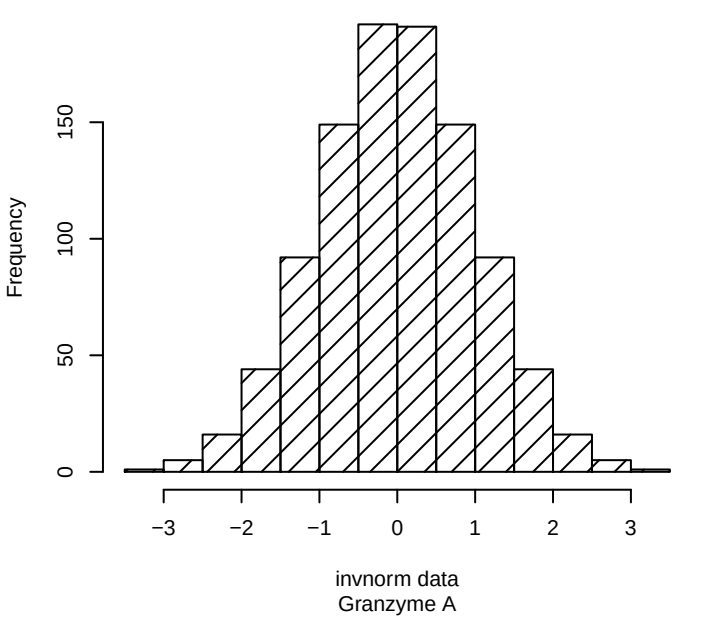

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (641)
G/C (308)
C/C (47)
rs9646944 (Chr2:102865875)
Locus 386 top sentinel (CIS), p=3.2e−12

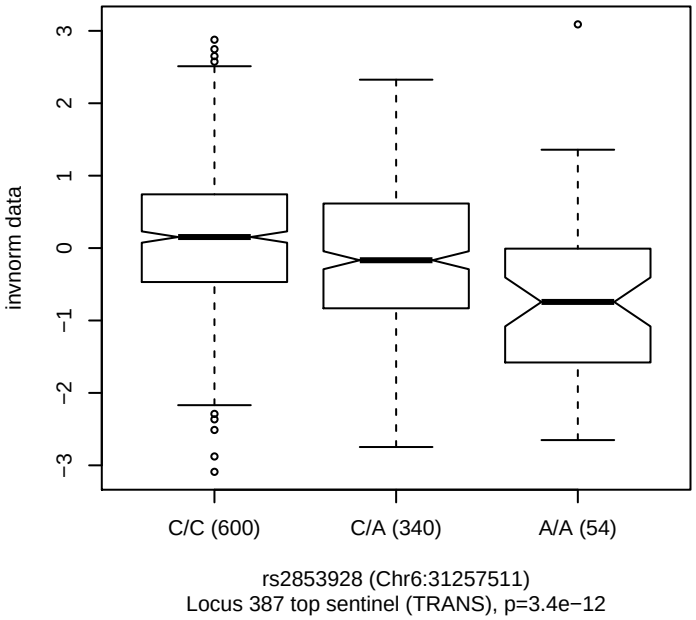

granzyme A (Uniprot: P12544, ProbeID: 3440−7_2)
Frequency
0
100
200
300
400
500
5000
10000
15000
raw data
Granzyme A

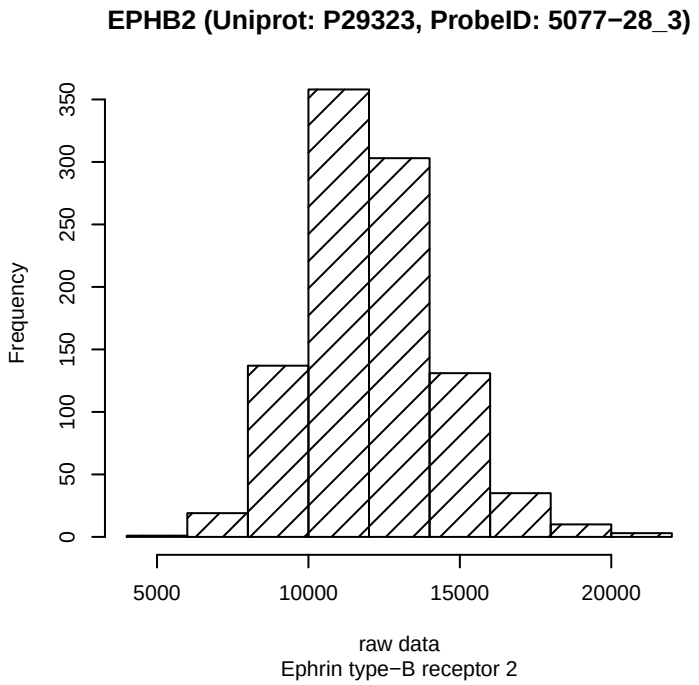

granzyme A (Uniprot: P12544, ProbeID: 3440−7_2)
raw data
2000
6000
10000
14000
C/C (600)
C/A (340)
A/A (54)
rs2853928 (Chr6:31257511)
Locus 387 top sentinel (TRANS), p=2.1e−06

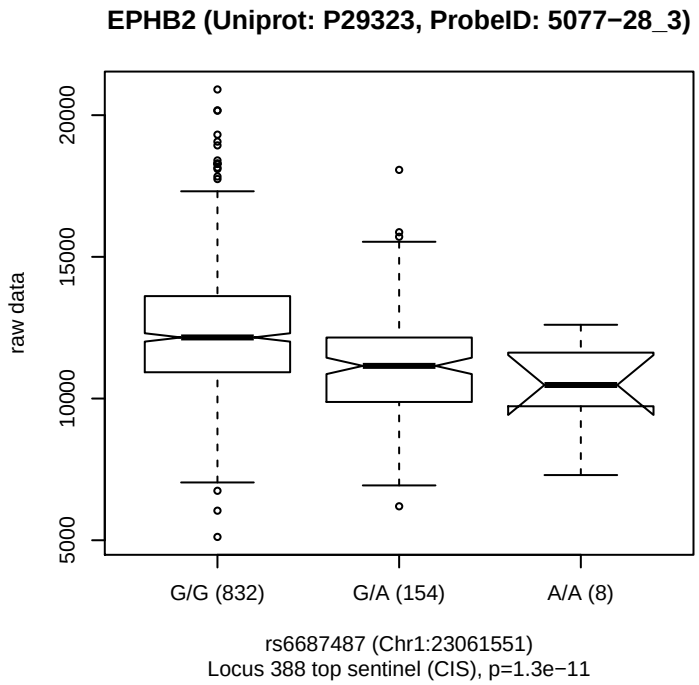

granzyme A (Uniprot: P12544, ProbeID: 3440−7_2)
Frequency
0
100
200
300
400
500
10.5
11.0
11.5
12.0
12.5
13.0
13.5
14.0
log2−scaled data
Granzyme A

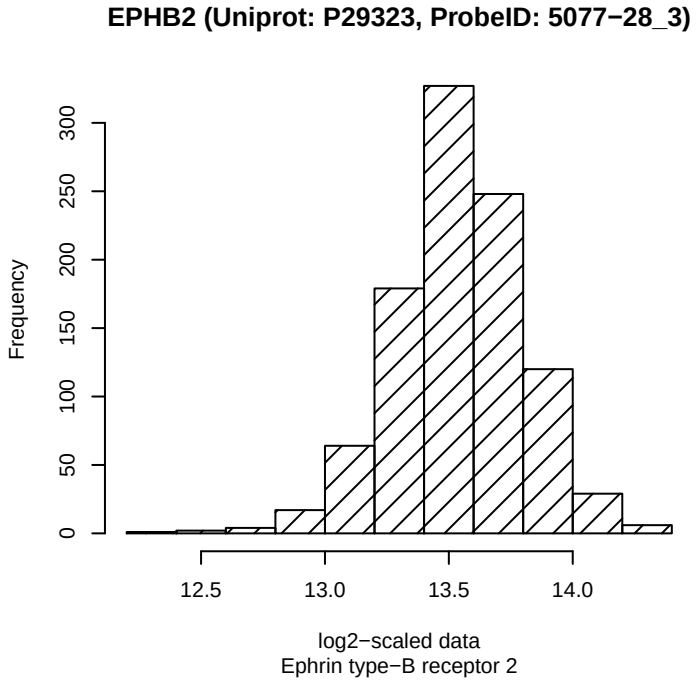

granzyme A (Uniprot: P12544, ProbeID: 3440−7_2)
log2−scaled data
10.5
11.0
11.5
12.0
12.5
13.0
13.5
14.0
C/C (600)
C/A (340)
A/A (54)
rs2853928 (Chr6:31257511)
Locus 387 top sentinel (TRANS), p=2e−10, FC=−1.0848

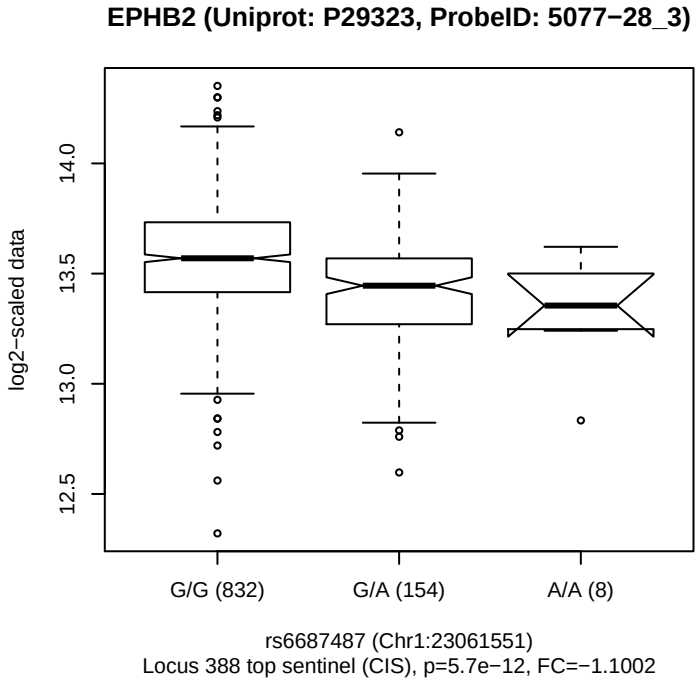

granzyme A (Uniprot: P12544, ProbeID: 3440−7_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Granzyme A

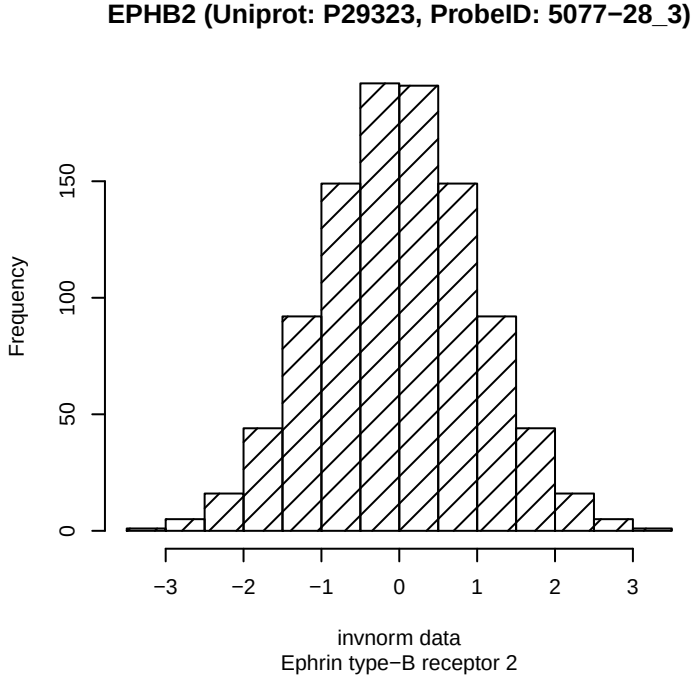

granzyme A (Uniprot: P12544, ProbeID: 3440−7_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (600)
C/A (340)
A/A (54)
rs2853928 (Chr6:31257511)
Locus 387 top sentinel (TRANS), p=3.4e−12

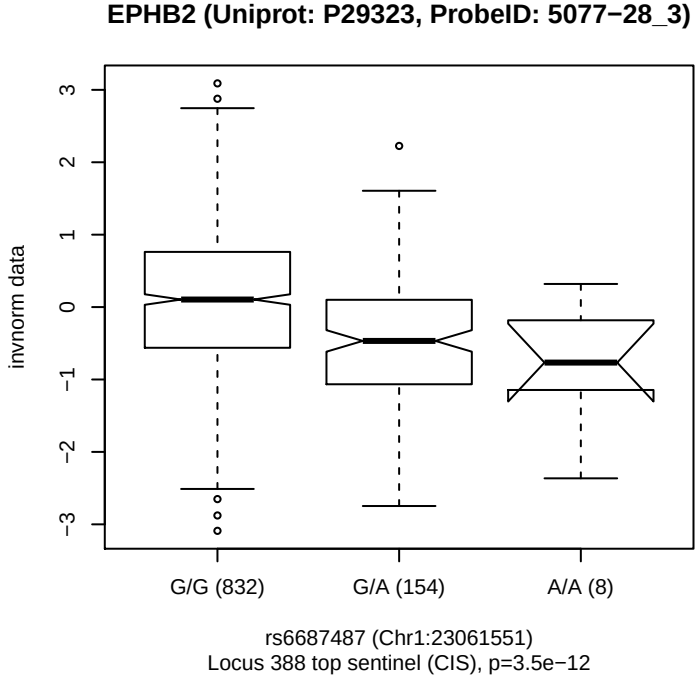

EPHB2 (Uniprot: P29323, ProbeID: 5077−28_3)
Frequency
0
50
100
150
200
250
300
350
5000
10000
15000
20000
raw data
Ephrin type−B receptor 2

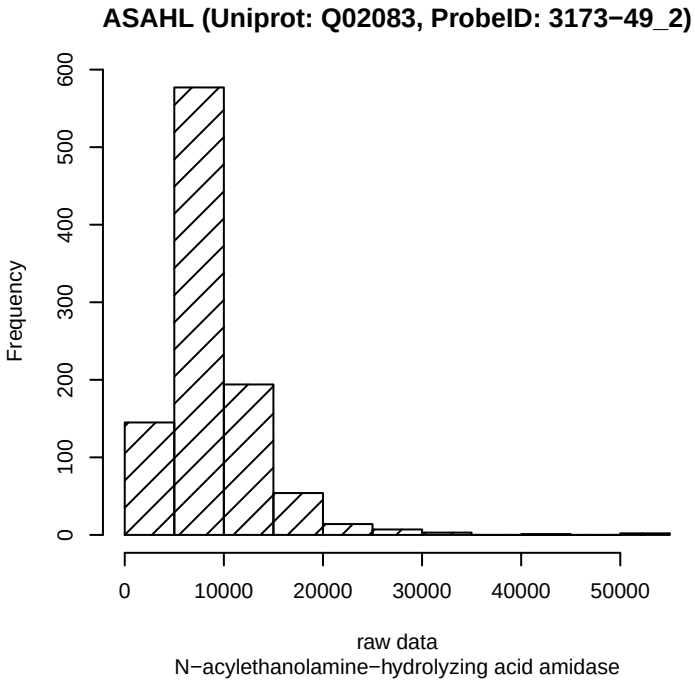

EPHB2 (Uniprot: P29323, ProbeID: 5077−28_3)
raw data
5000
10000
15000
20000
G/G (832)
G/A (154)
A/A (8)
rs6687487 (Chr1:23061551)
Locus 388 top sentinel (CIS), p=1.3e−11

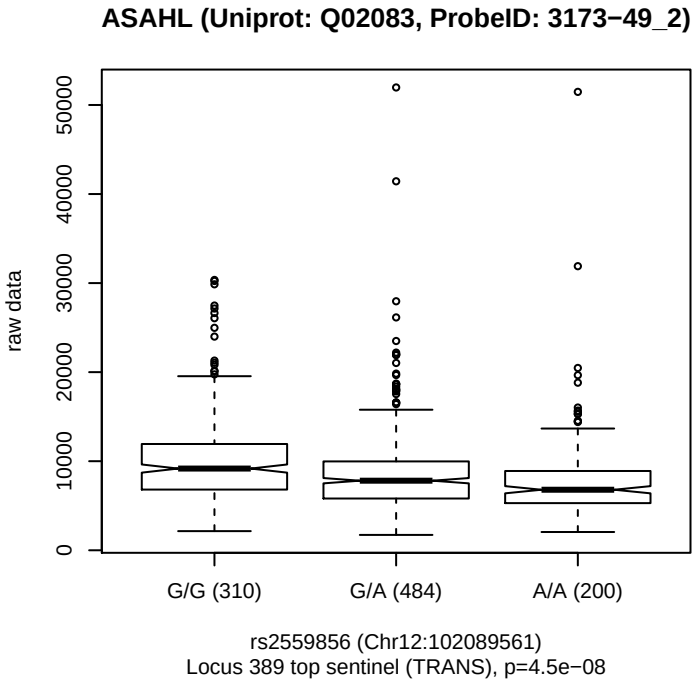

EPHB2 (Uniprot: P29323, ProbeID: 5077−28_3)
Frequency
0
50
100
150
200
250
300
12.5
13.0
13.5
14.0
log2−scaled data
Ephrin type−B receptor 2

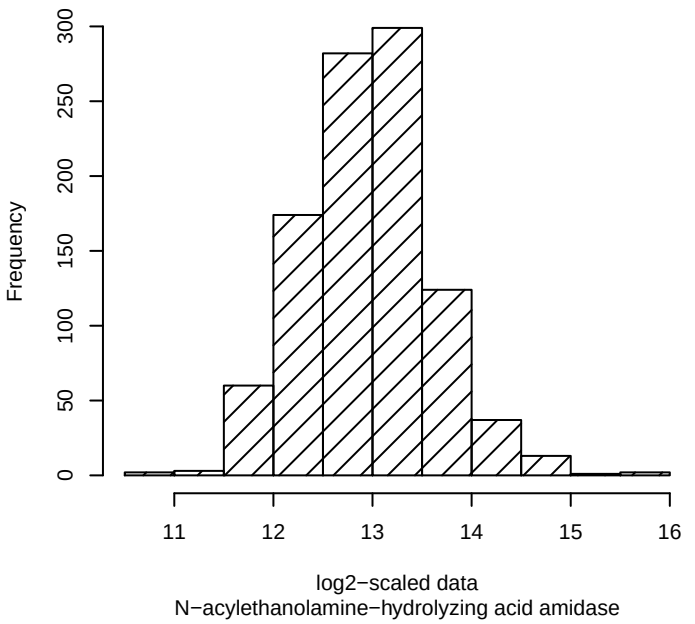

EPHB2 (Uniprot: P29323, ProbeID: 5077−28_3)
log2−scaled data
12.5
13.0
13.5
14.0
G/G (832)
G/A (154)
A/A (8)
rs6687487 (Chr1:23061551)
Locus 388 top sentinel (CIS), p=5.7e−12, FC=−1.1002

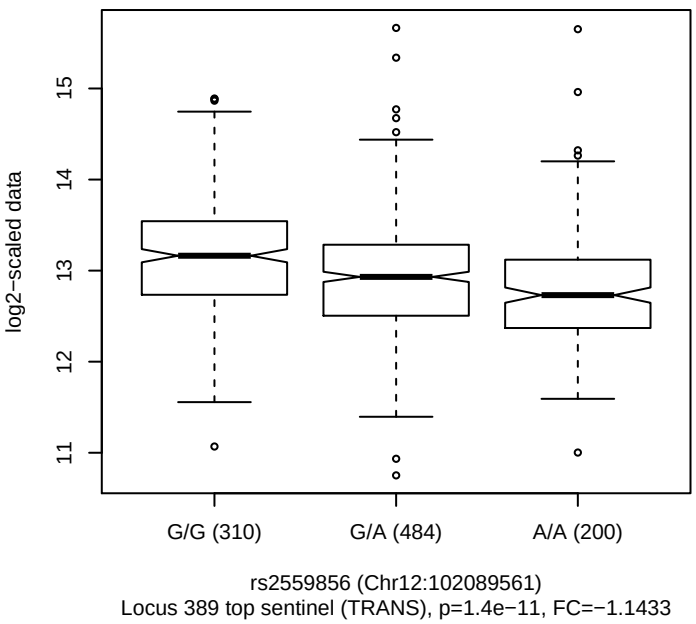

EPHB2 (Uniprot: P29323, ProbeID: 5077−28_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Ephrin type−B receptor 2

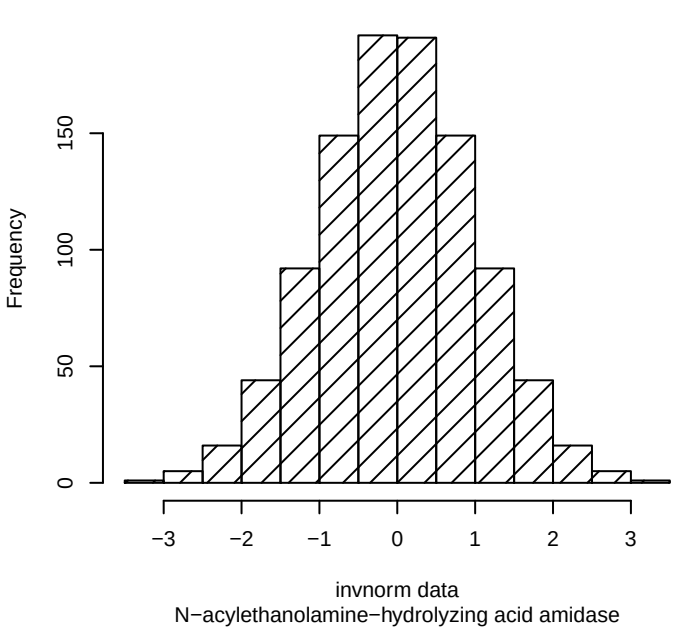

EPHB2 (Uniprot: P29323, ProbeID: 5077−28_3)
invnorm data
−3
−2
−1
0
1
2
3
G/G (832)
G/A (154)
A/A (8)
rs6687487 (Chr1:23061551)
Locus 388 top sentinel (CIS), p=3.5e−12

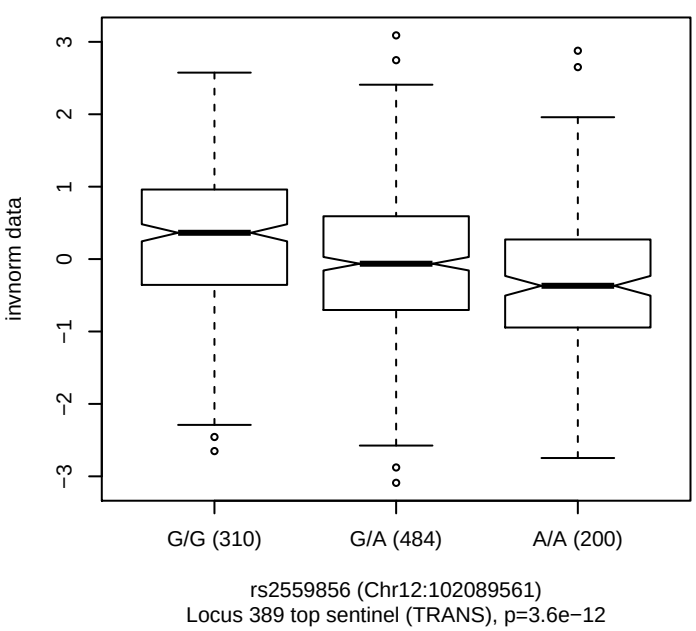

ASAHL (Uniprot: Q02083, ProbeID: 3173−49_2)
Frequency
0
100
200
300
400
500
600
0
10000
20000
30000
40000
50000
raw data
N−acylethanolamine−hydrolyzing acid amidase

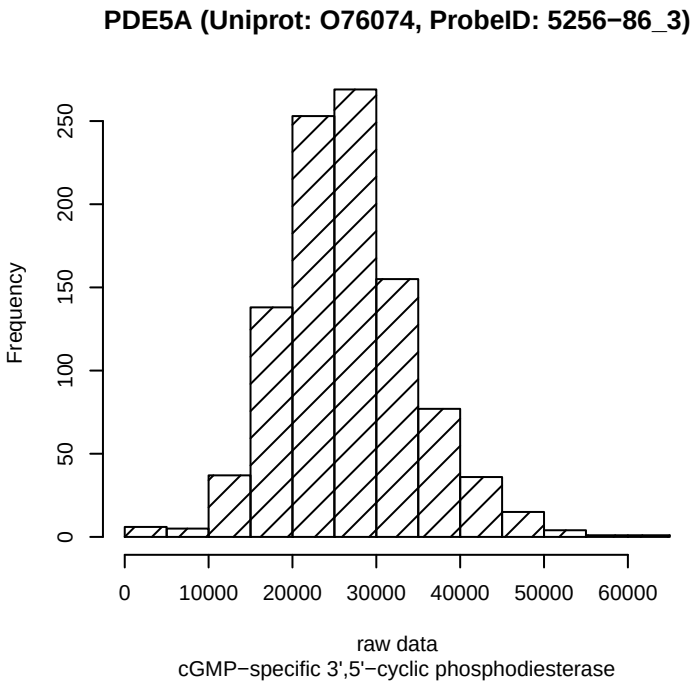

ASAHL (Uniprot: Q02083, ProbeID: 3173−49_2)
raw data
0
10000
20000
30000
40000
50000
G/G (310)
G/A (484)
A/A (200)
rs2559856 (Chr12:102089561)
Locus 389 top sentinel (TRANS), p=4.5e−08

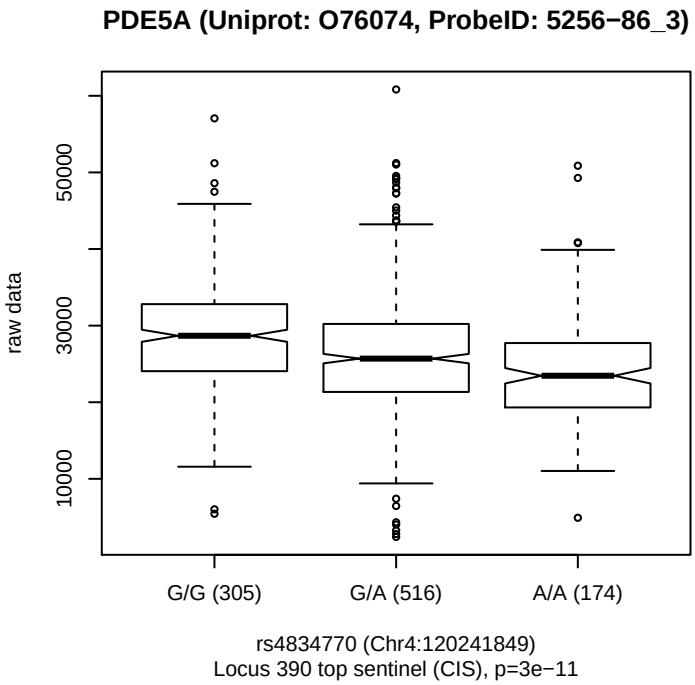

ASAHL (Uniprot: Q02083, ProbeID: 3173−49_2)
Frequency
0
50
100
150
200
250
300
11
12
13
14
15
16
log2−scaled data
N−acylethanolamine−hydrolyzing acid amidase

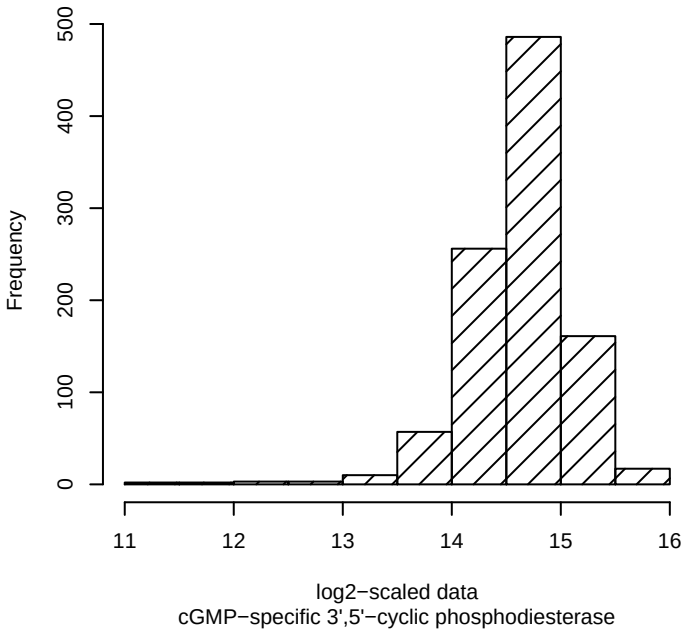

ASAHL (Uniprot: Q02083, ProbeID: 3173−49_2)
log2−scaled data
11
12
13
14
15
G/G (310)
G/A (484)
A/A (200)
rs2559856 (Chr12:102089561)
Locus 389 top sentinel (TRANS), p=1.4e−11, FC=−1.1433

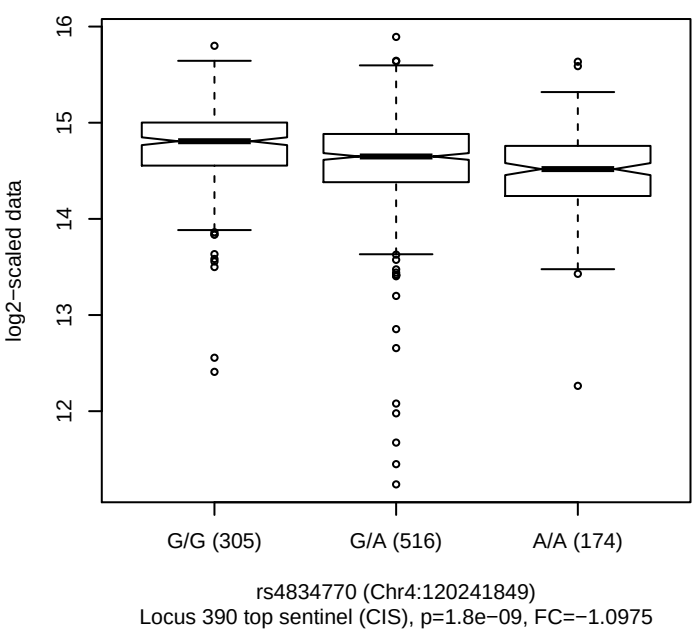

ASAHL (Uniprot: Q02083, ProbeID: 3173−49_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
N−acylethanolamine−hydrolyzing acid amidase

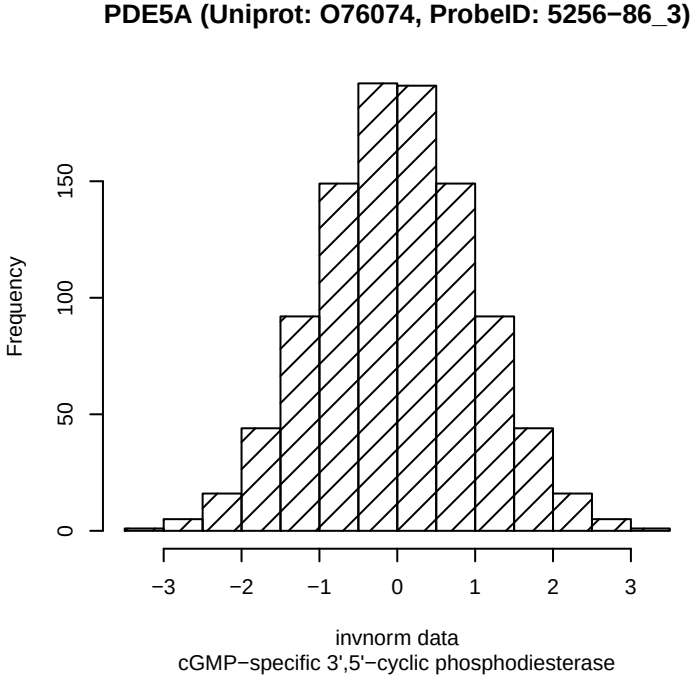

ASAHL (Uniprot: Q02083, ProbeID: 3173−49_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (310)
G/A (484)
A/A (200)
rs2559856 (Chr12:102089561)
Locus 389 top sentinel (TRANS), p=3.6e−12

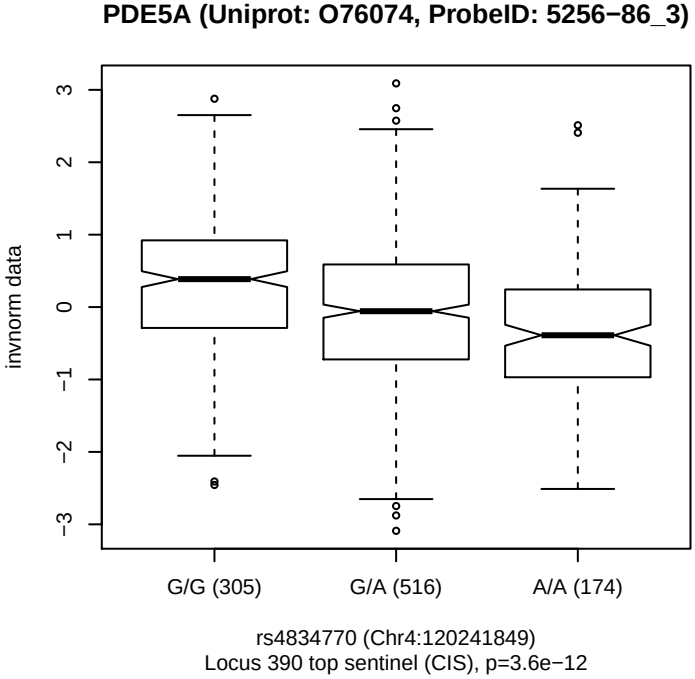

PDE5A (Uniprot: O76074, ProbeID: 5256−86_3)
Frequency
0
50
100
150
200
250
0
10000
20000
30000
40000
50000
60000
raw data
cGMP−specific 3',5'−cyclic phosphodiesterase


PDE5A (Uniprot: O76074, ProbeID: 5256−86_3)
raw data
10000
30000
50000
G/G (305)
G/A (516)
A/A (174)
rs4834770 (Chr4:120241849)
Locus 390 top sentinel (CIS), p=3e−11

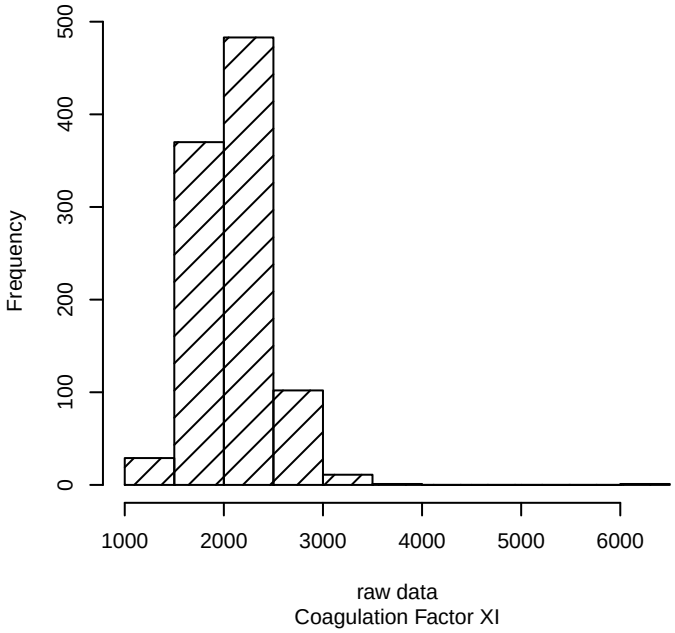

PDE5A (Uniprot: O76074, ProbeID: 5256−86_3)
Frequency
0
100
200
300
400
500
11
12
13
14
15
16
log2−scaled data
cGMP−specific 3',5'−cyclic phosphodiesterase


PDE5A (Uniprot: O76074, ProbeID: 5256−86_3)
log2−scaled data
12
13
14
15
16
G/G (305)
G/A (516)
A/A (174)
rs4834770 (Chr4:120241849)
Locus 390 top sentinel (CIS), p=1.8e−09, FC=−1.0975

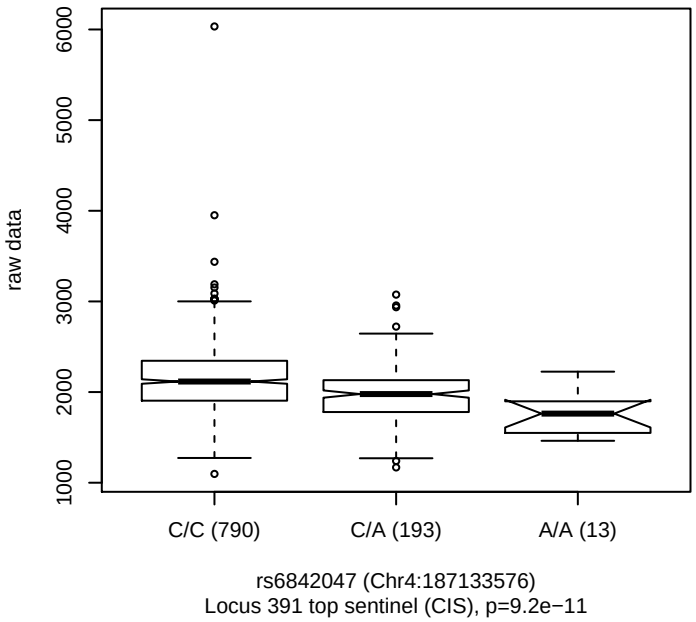

PDE5A (Uniprot: O76074, ProbeID: 5256−86_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
cGMP−specific 3',5'−cyclic phosphodiesterase


PDE5A (Uniprot: O76074, ProbeID: 5256−86_3)
invnorm data
−3
−2
−1
0
1
2
3
G/G (305)
G/A (516)
A/A (174)
rs4834770 (Chr4:120241849)
Locus 390 top sentinel (CIS), p=3.6e−12

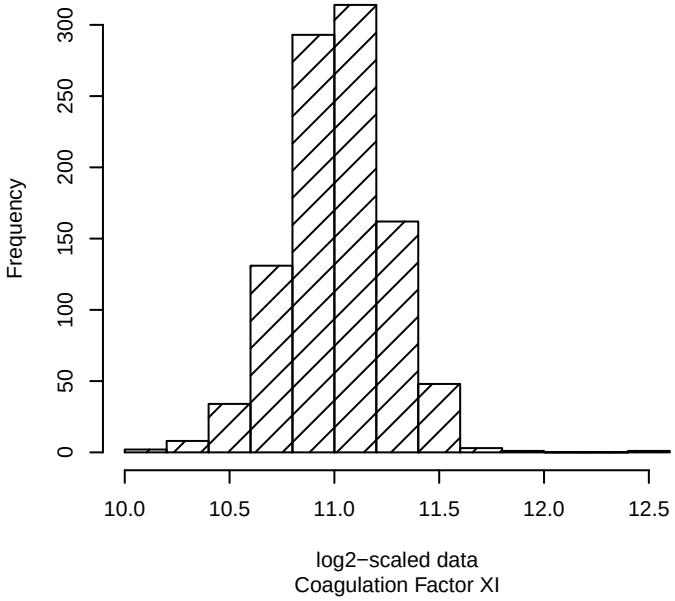
**Coagulation Factor XI (Uniprot: P03951, ProbeID: 2190−55**



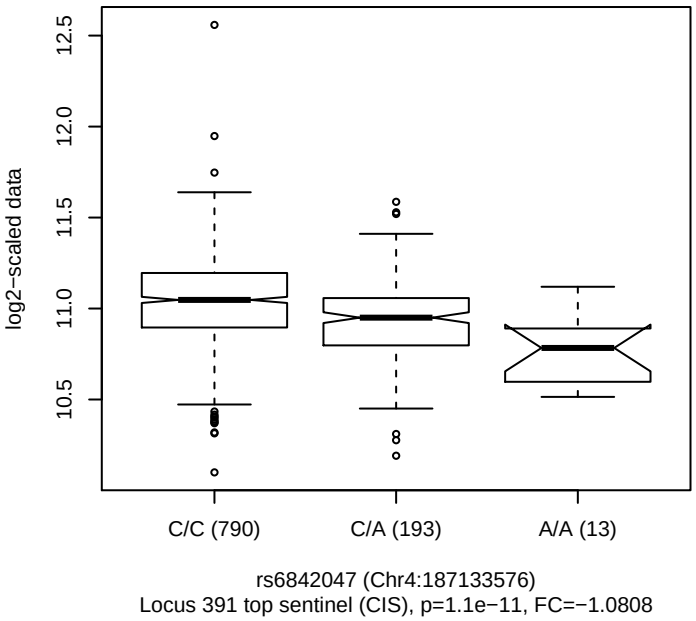

**Coagulation Factor XI (Uniprot: P03951, ProbeID: 2190−55**



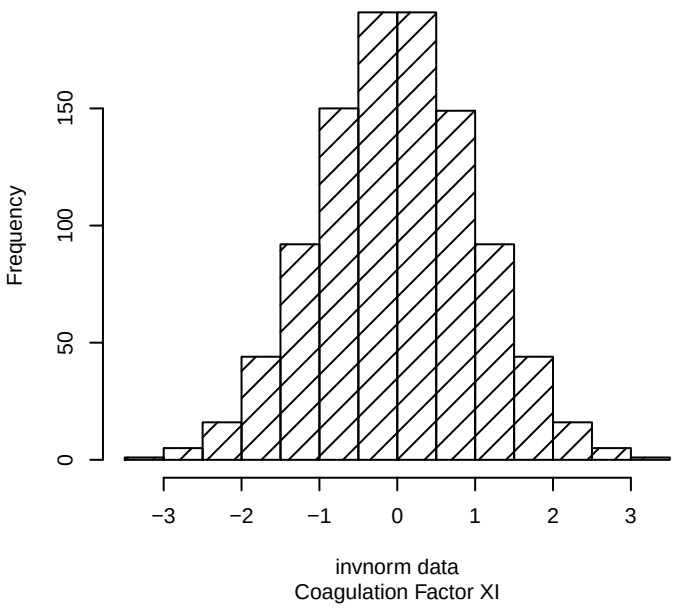

**Coagulation Factor XI (Uniprot: P03951, ProbeID: 2190−55**



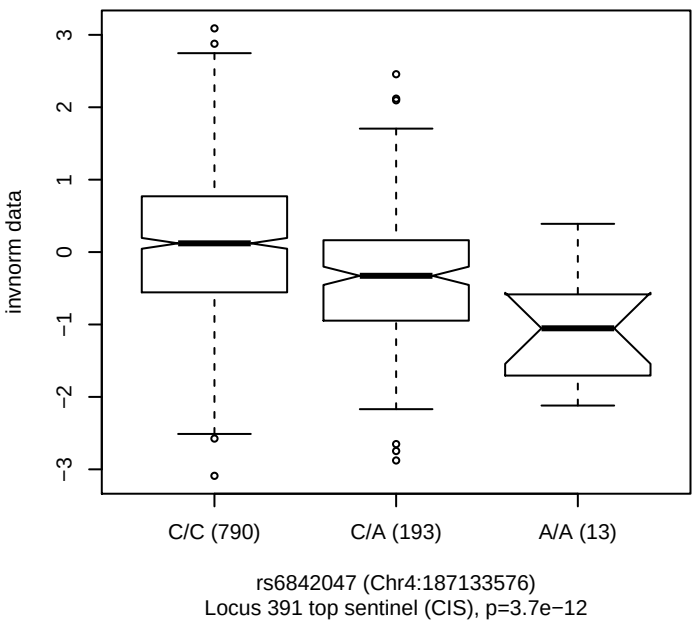

**Coagulation Factor XI (Uniprot: P03951, ProbeID: 2190−55**

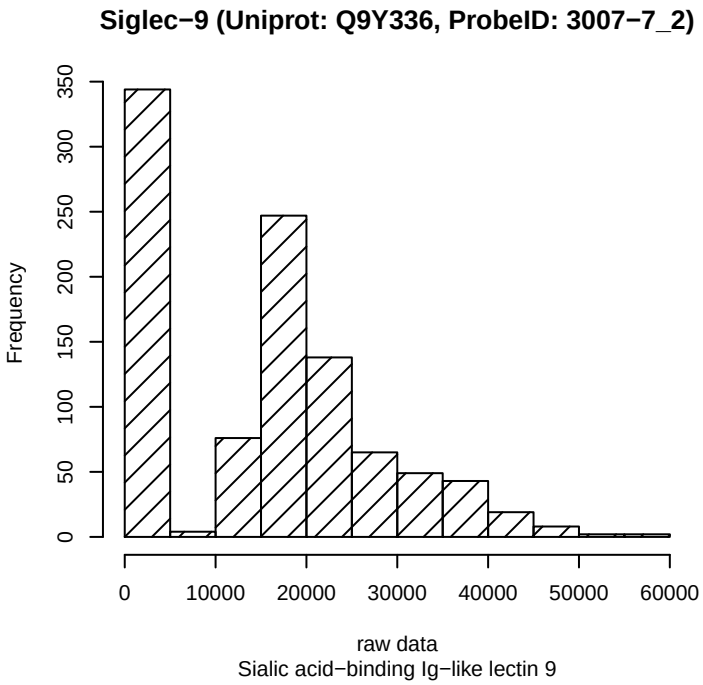


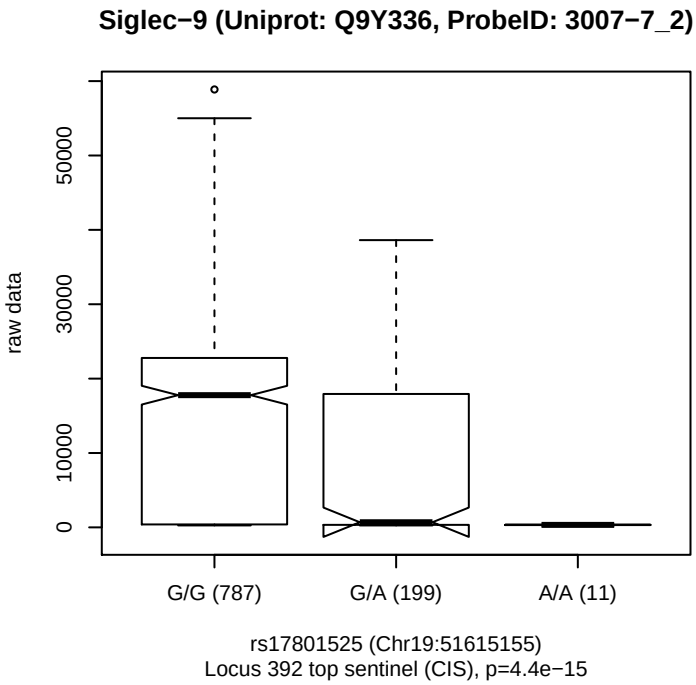

**Coagulation Factor XI (Uniprot: P03951, ProbeID: 2190−55**

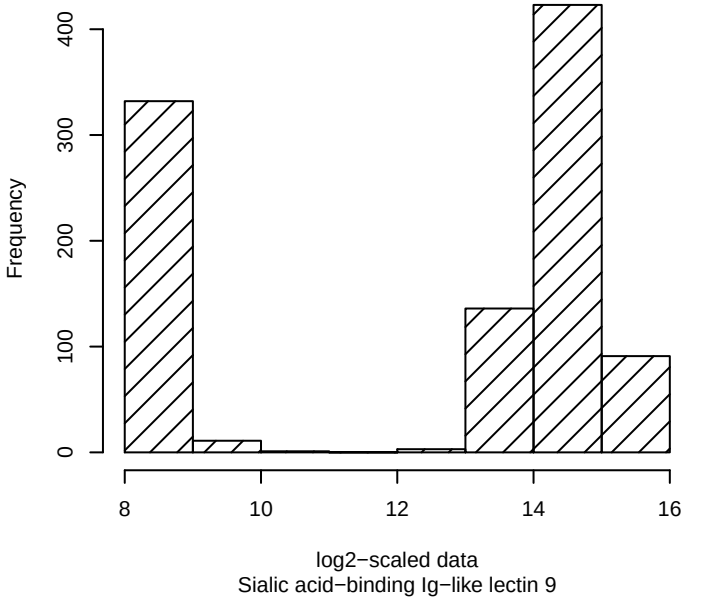


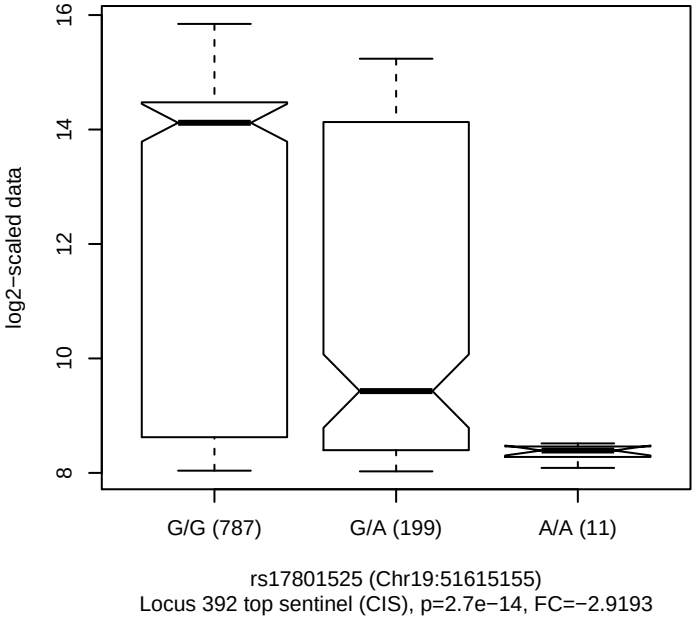

**Coagulation Factor XI (Uniprot: P03951, ProbeID: 2190−55**

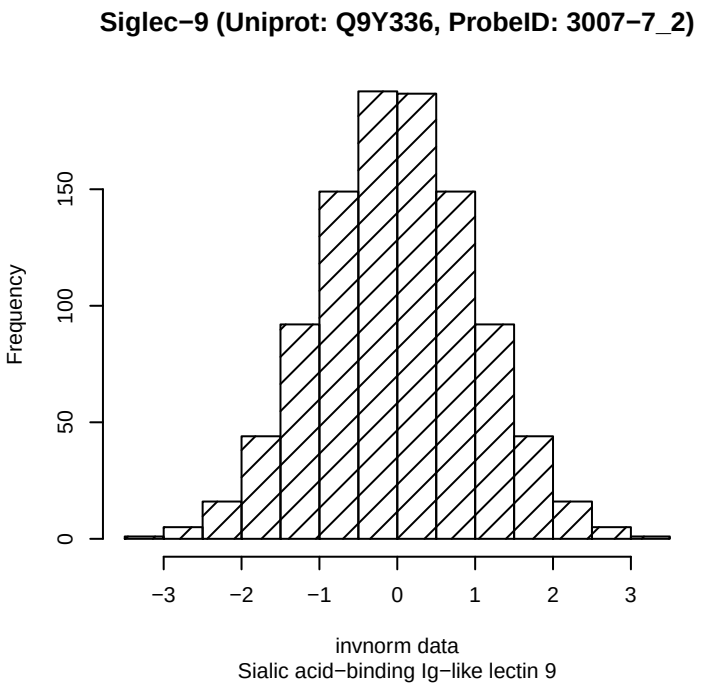


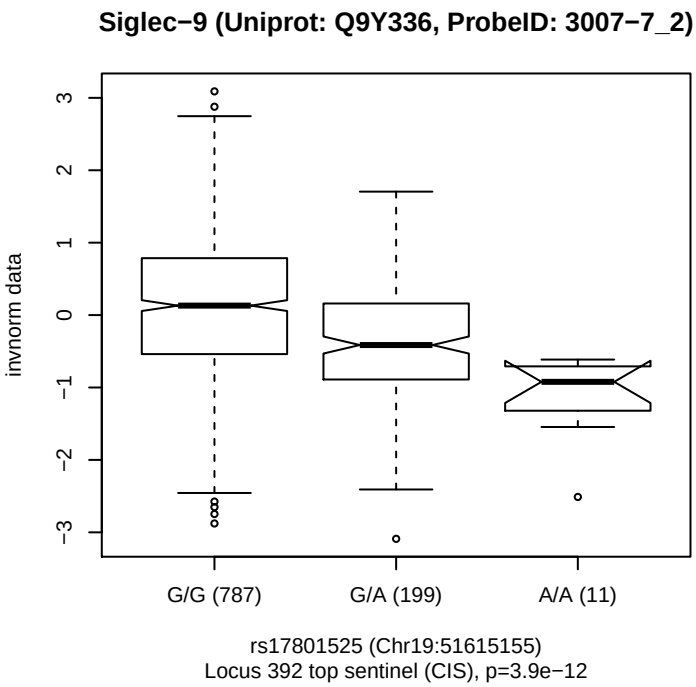

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
Frequency
0
50
100
150
200
250
300
350
0
10000
20000
30000
40000
50000
60000
raw data
Sialic acid−binding Ig−like lectin 9

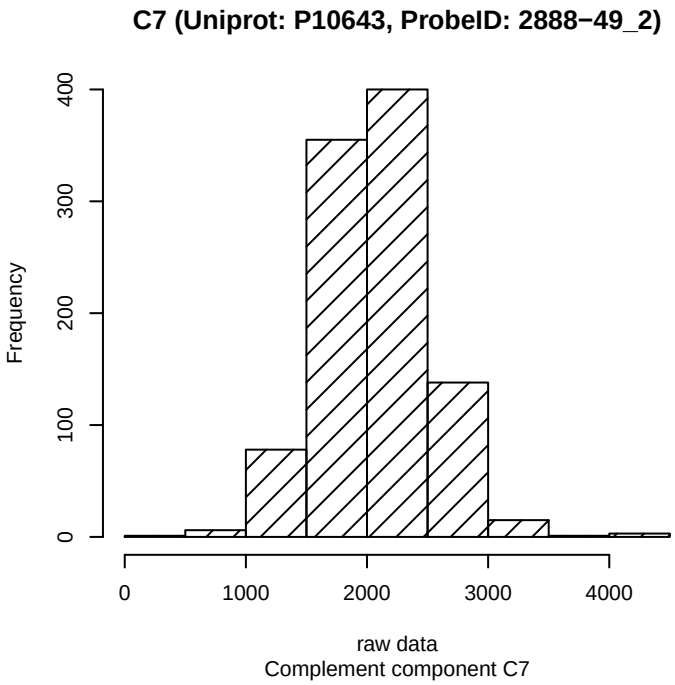

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
raw data
0
10000
30000
50000
G/G (787)
G/A (199)
A/A (11)
rs17801525 (Chr19:51615155)
Locus 392 top sentinel (CIS), p=4.4e−15

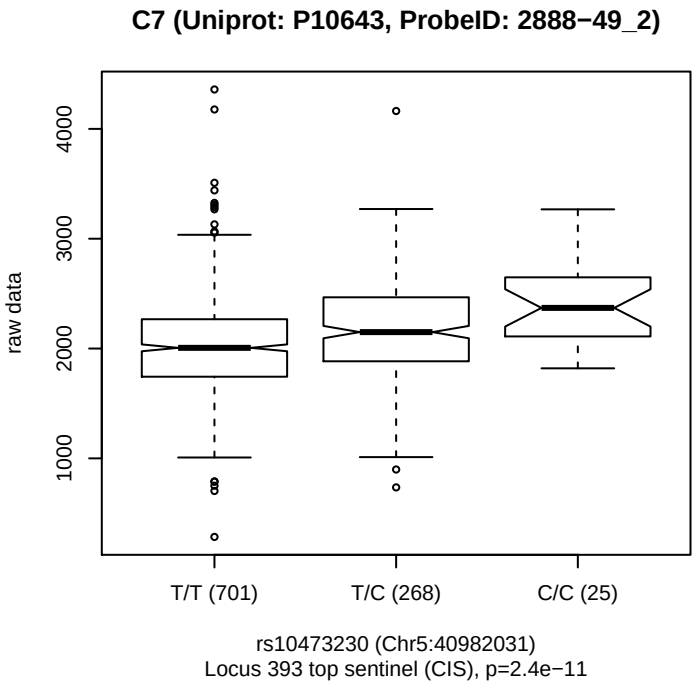

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
Frequency
0
100
200
300
400
8
10
12
14
16
log2−scaled data
Sialic acid−binding Ig−like lectin 9

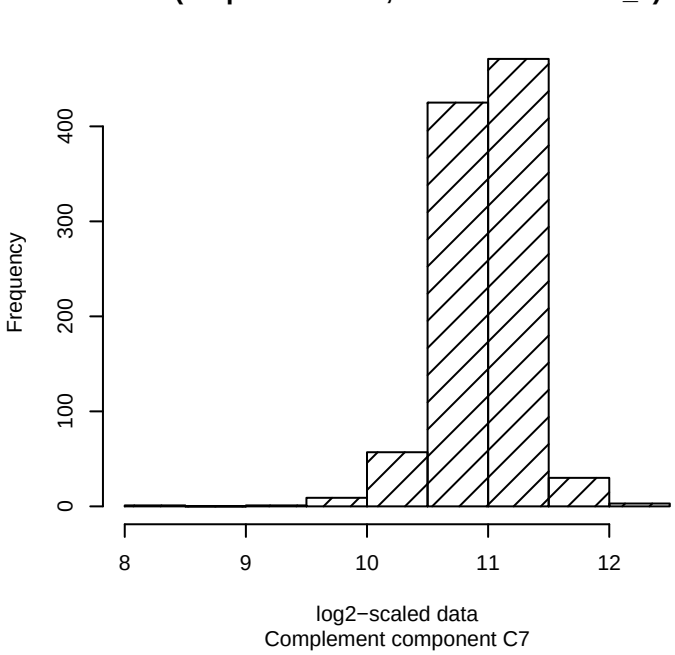

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
log2−scaled data
8
10
12
14
16
G/G (787)
G/A (199)
A/A (11)
rs17801525 (Chr19:51615155)
Locus 392 top sentinel (CIS), p=2.7e−14, FC=−2.9193

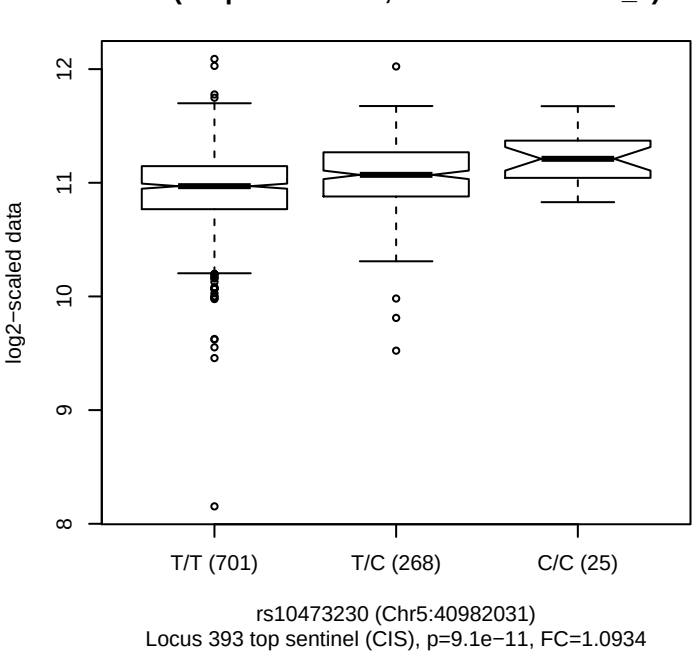

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Sialic acid−binding Ig−like lectin 9

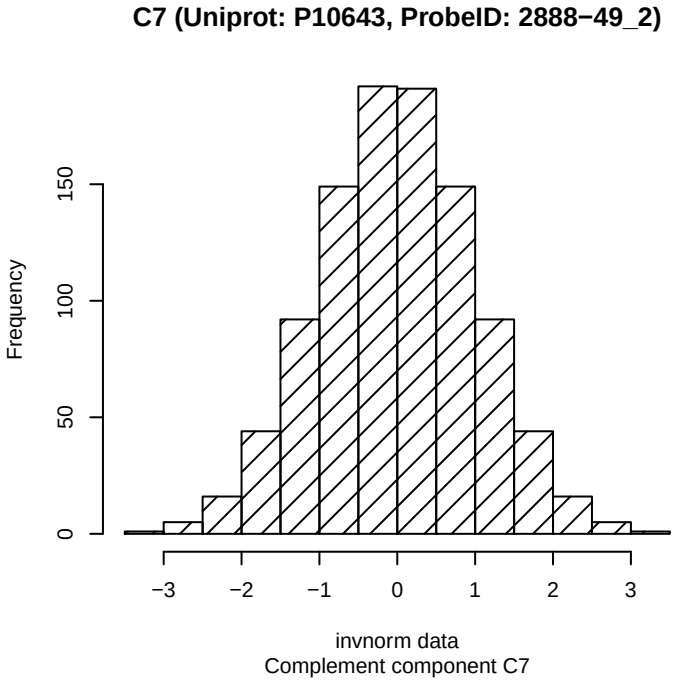

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (787)
G/A (199)
A/A (11)
rs17801525 (Chr19:51615155)
Locus 392 top sentinel (CIS), p=3.9e−12

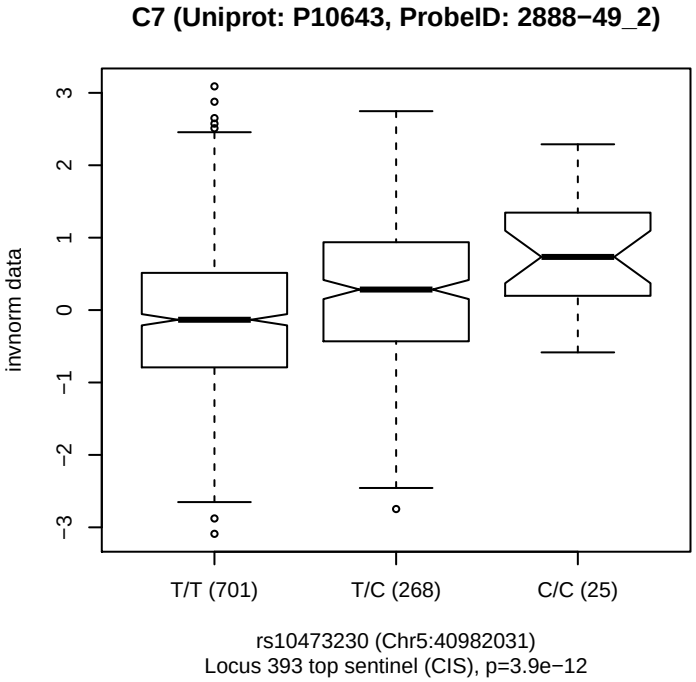

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
Frequency
0
100
200
300
400
0
1000
2000
3000
4000
raw data
Complement component C7

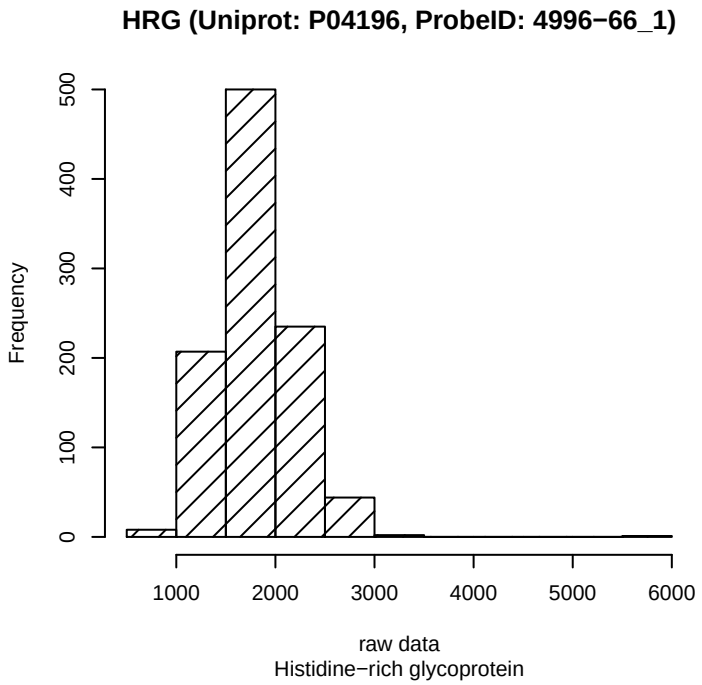

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
raw data
1000
2000
3000
4000
T/T (701)
T/C (268)
C/C (25)
rs10473230 (Chr5:40982031)
Locus 393 top sentinel (CIS), p=2.4e−11

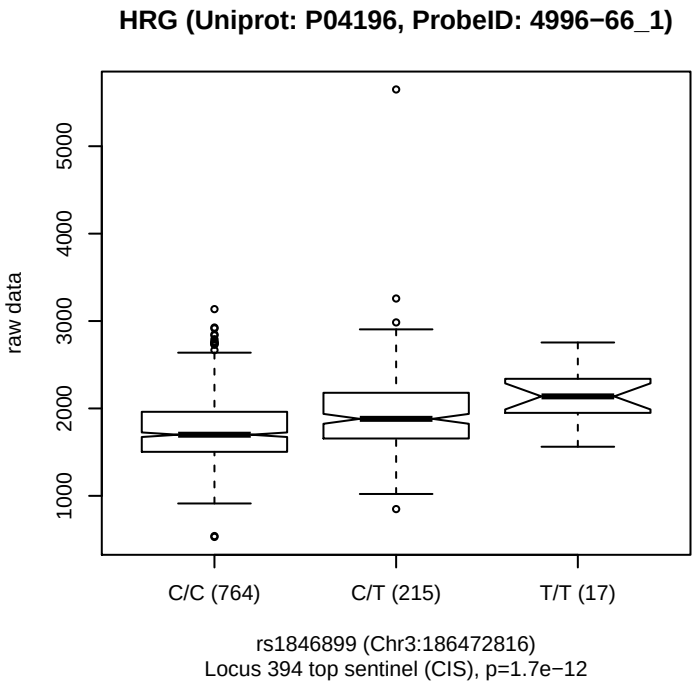

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
Frequency
0
100
200
300
400
8
9
10
11
12
log2−scaled data
Complement component C7

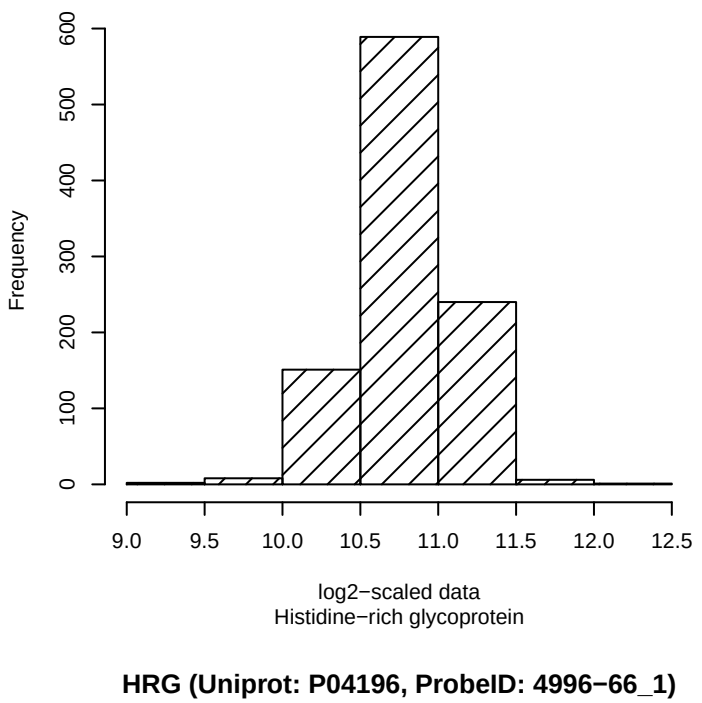

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
log2−scaled data
8
9
10
11
12
T/T (701)
T/C (268)
C/C (25)
rs10473230 (Chr5:40982031)
Locus 393 top sentinel (CIS), p=9.1e−11, FC=1.0934

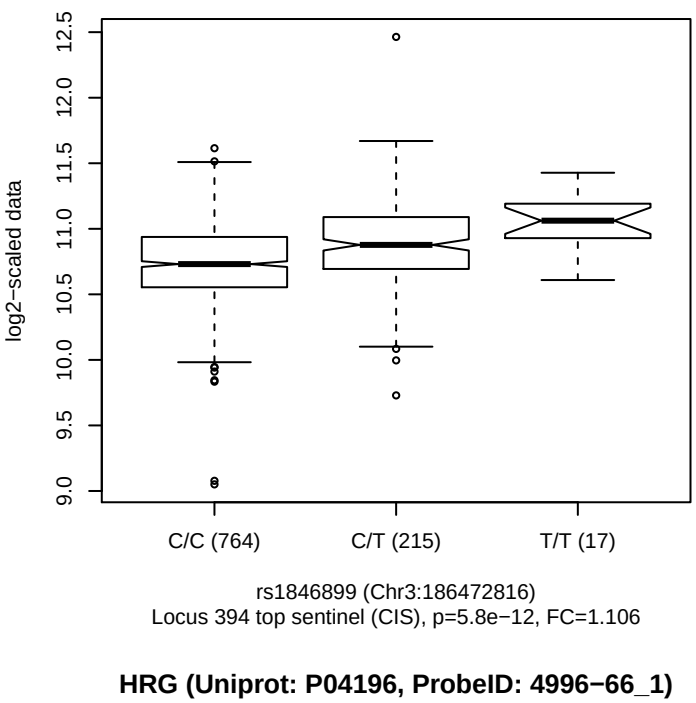

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Complement component C7

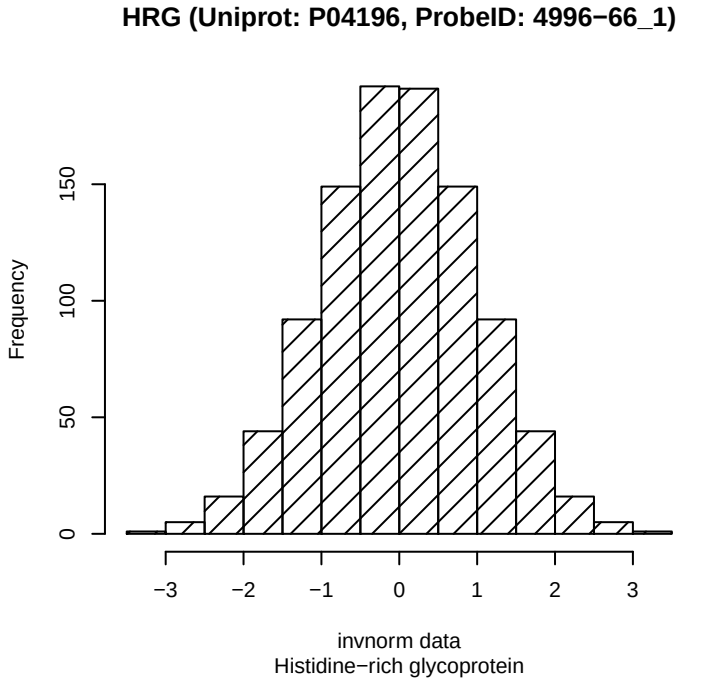

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (701)
T/C (268)
C/C (25)
rs10473230 (Chr5:40982031)
Locus 393 top sentinel (CIS), p=3.9e−12

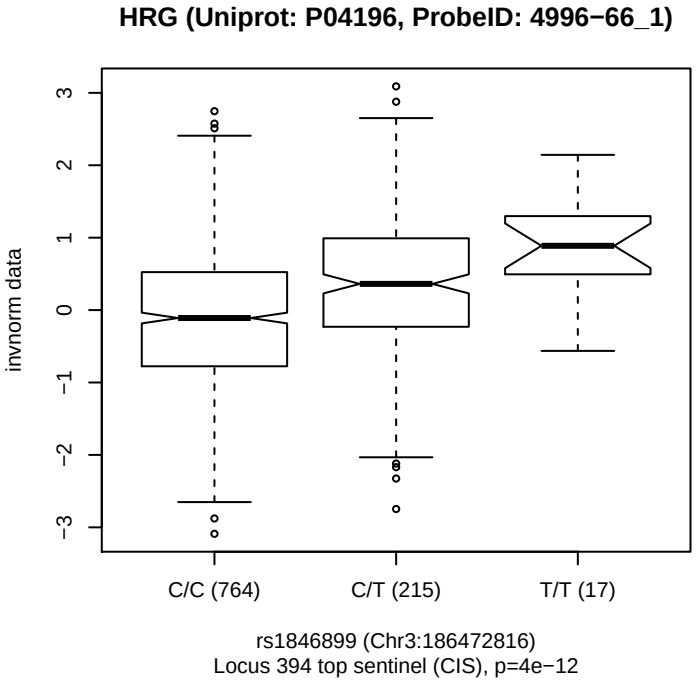

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
Frequency
raw data
Histidine−rich glycoprotein

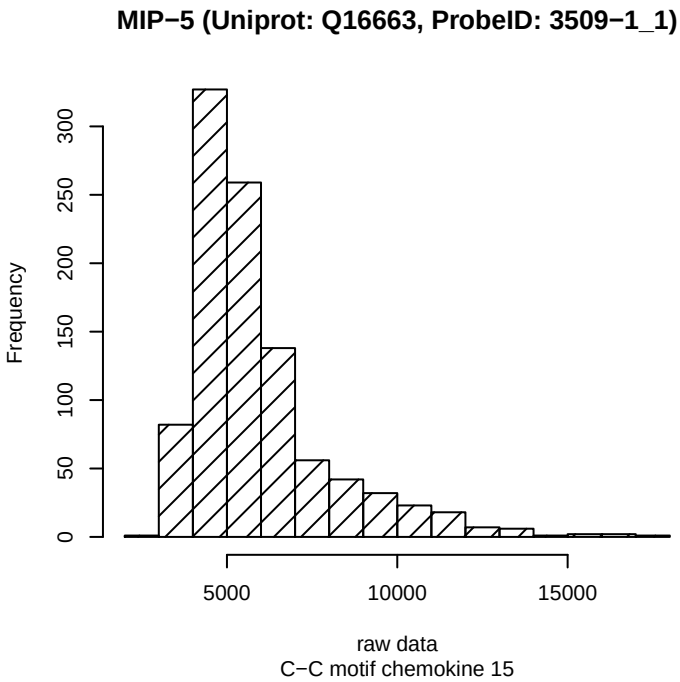

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
raw data
C/C (764)
C/T (215)
T/T (17)
rs1846899 (Chr3:186472816)
Locus 394 top sentinel (CIS), p=1.7e−12

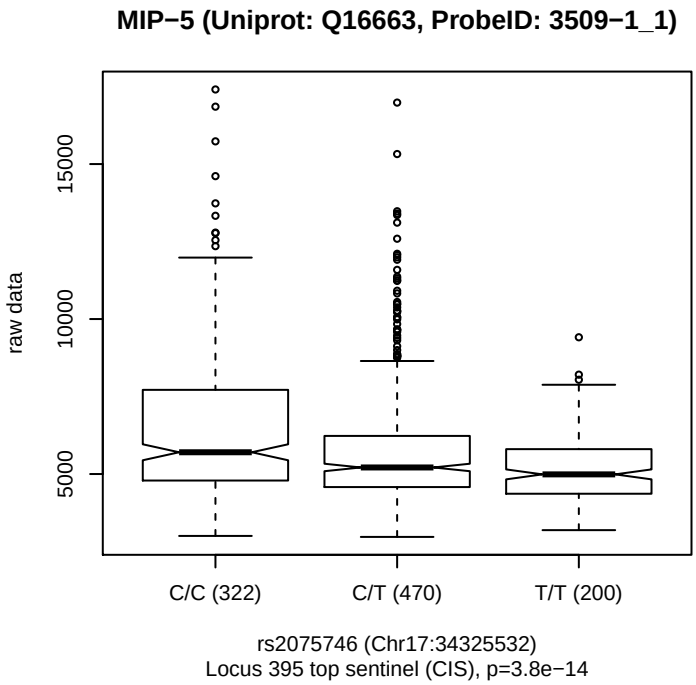

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
Frequency
log2−scaled data
Histidine−rich glycoprotein

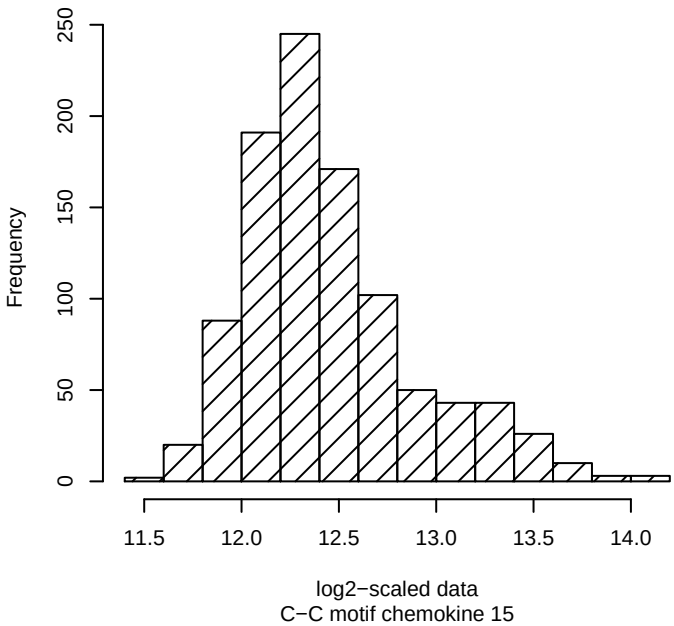

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
log2−scaled data
C/C (764)
C/T (215)
T/T (17)
rs1846899 (Chr3:186472816)
Locus 394 top sentinel (CIS), p=5.8e−12, FC=1.106

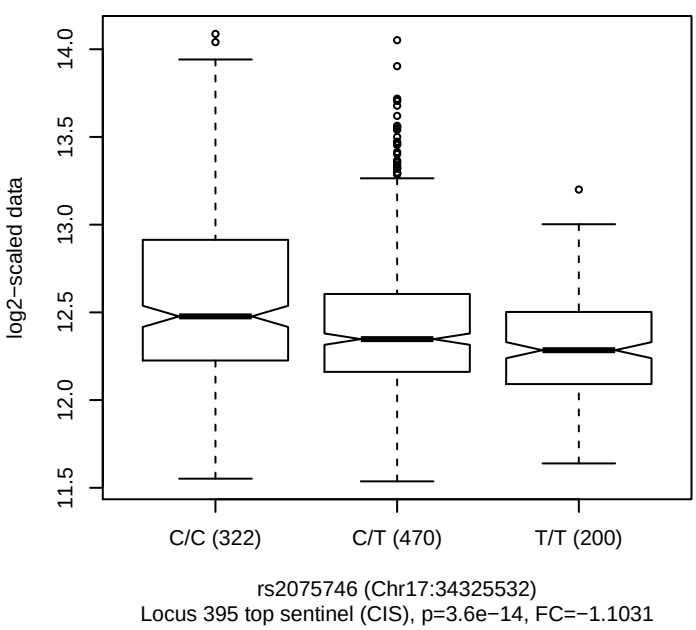

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
Frequency
invnorm data
Histidine−rich glycoprotein

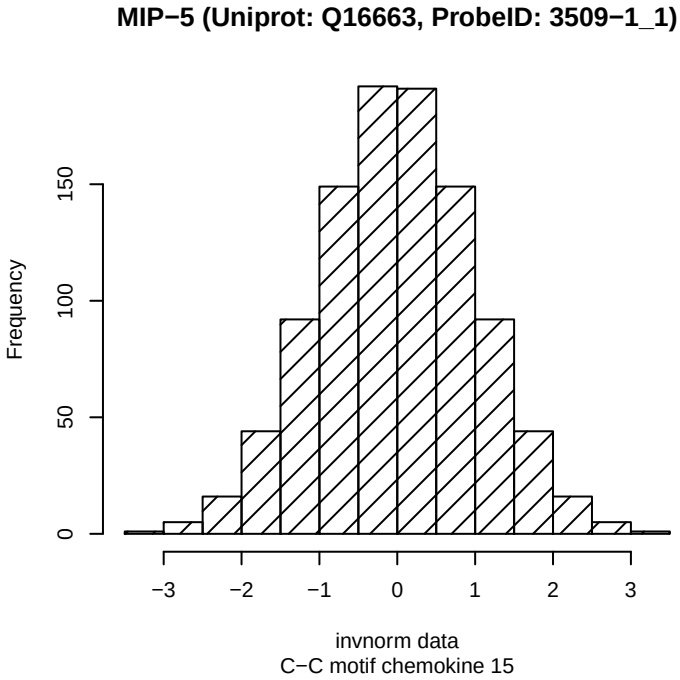

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
invnorm data
C/C (764)
C/T (215)
T/T (17)
rs1846899 (Chr3:186472816)
Locus 394 top sentinel (CIS), p=4e−12

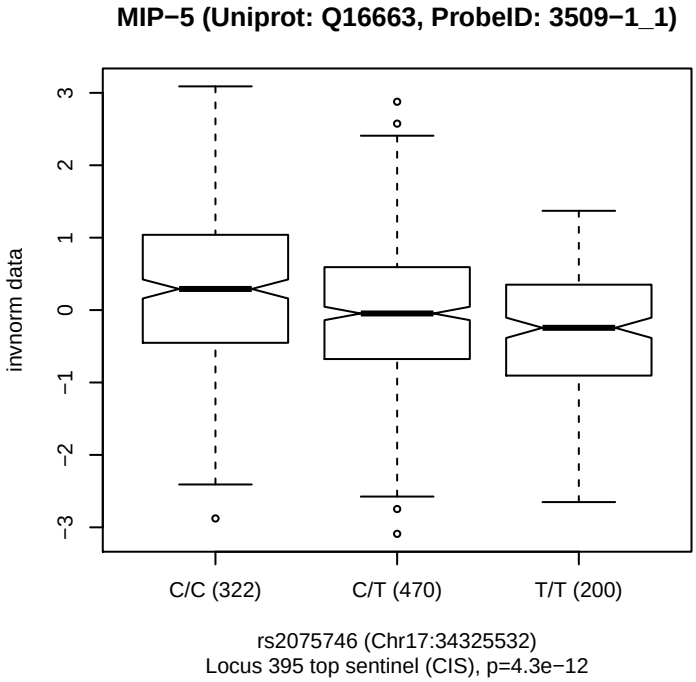

MIP−5 (Uniprot: Q16663, ProbeID: 3509−1_1)
Frequency
0
50
100
150
200
250
300
5000
10000
15000
raw data
C−C motif chemokine 15

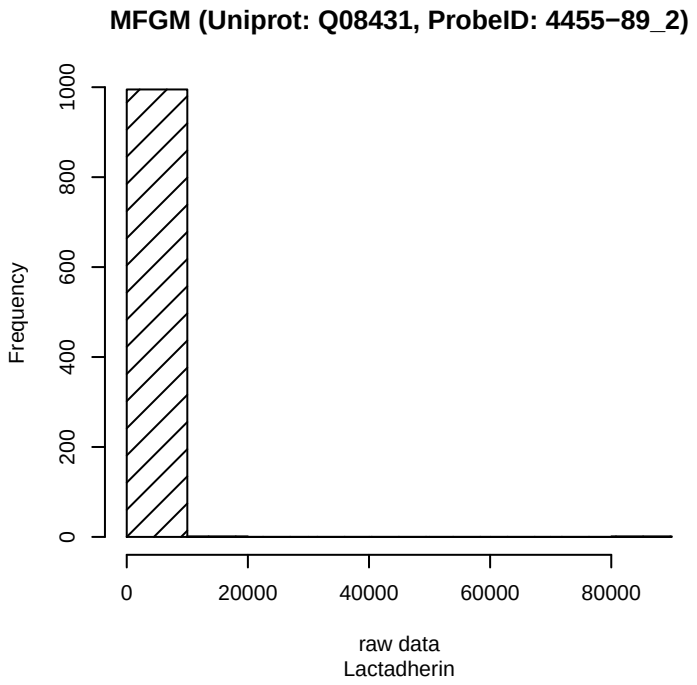

MIP−5 (Uniprot: Q16663, ProbeID: 3509−1_1)
raw data
5000
10000
15000
C/C (322)
C/T (470)
T/T (200)
rs2075746 (Chr17:34325532)
Locus 395 top sentinel (CIS), p=3.8e−14

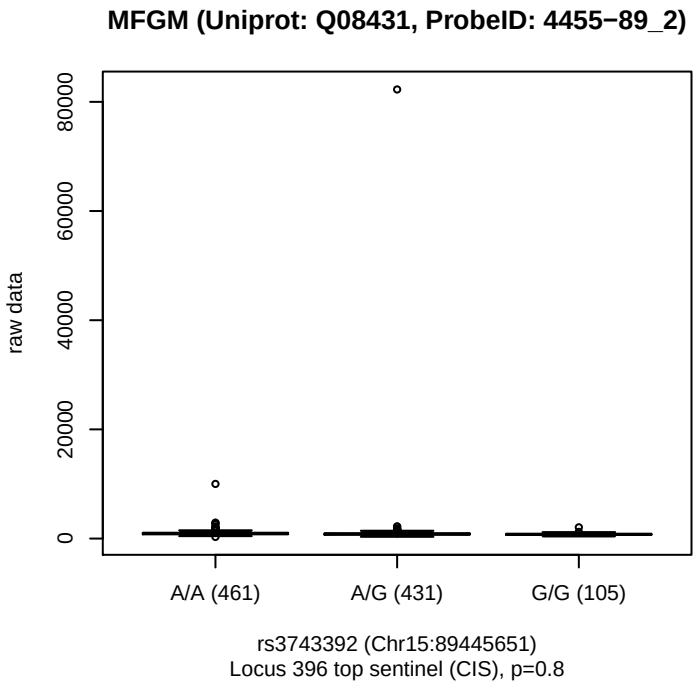

MIP−5 (Uniprot: Q16663, ProbeID: 3509−1_1)
Frequency
0
50
100
150
200
250
11.5
12.0
12.5
13.0
13.5
14.0
log2−scaled data
C−C motif chemokine 15

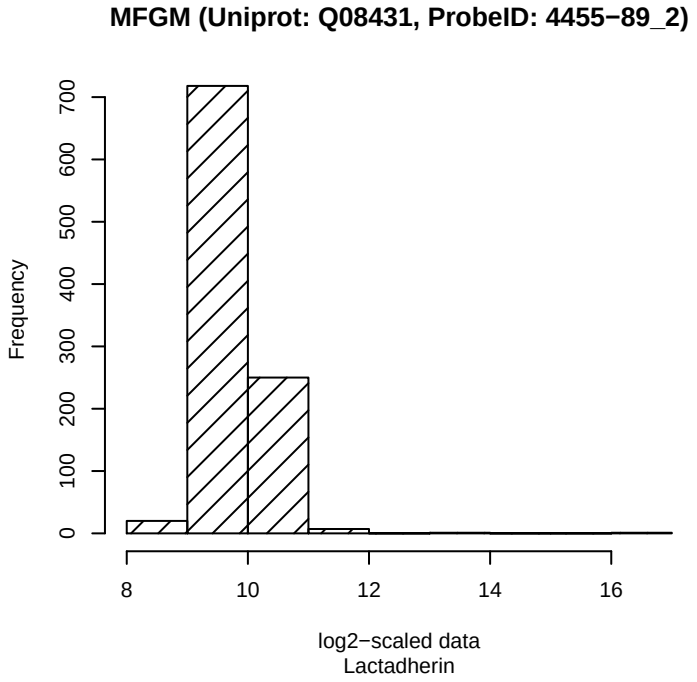

MIP−5 (Uniprot: Q16663, ProbeID: 3509−1_1)
log2−scaled data
11.5
12.0
12.5
13.0
13.5
14.0
C/C (322)
C/T (470)
T/T (200)
rs2075746 (Chr17:34325532)
Locus 395 top sentinel (CIS), p=3.6e−14, FC=−1.1031

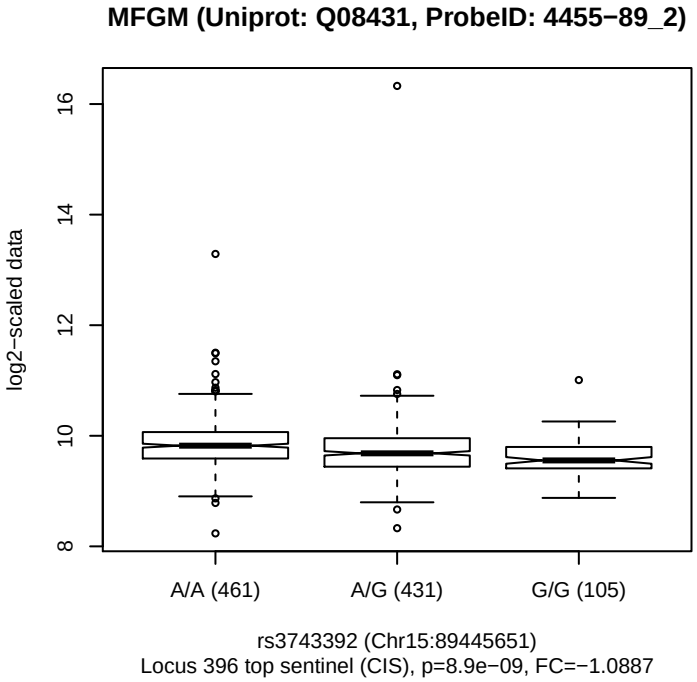

MIP−5 (Uniprot: Q16663, ProbeID: 3509−1_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 15

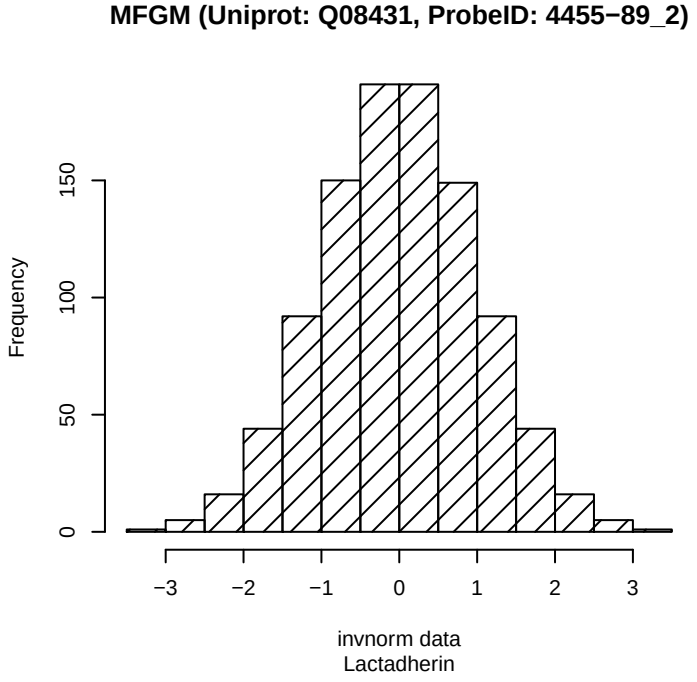

MIP−5 (Uniprot: Q16663, ProbeID: 3509−1_1)
invnorm data
−3
−2
−1
0
1
2
3
C/C (322)
C/T (470)
T/T (200)
rs2075746 (Chr17:34325532)
Locus 395 top sentinel (CIS), p=4.3e−12

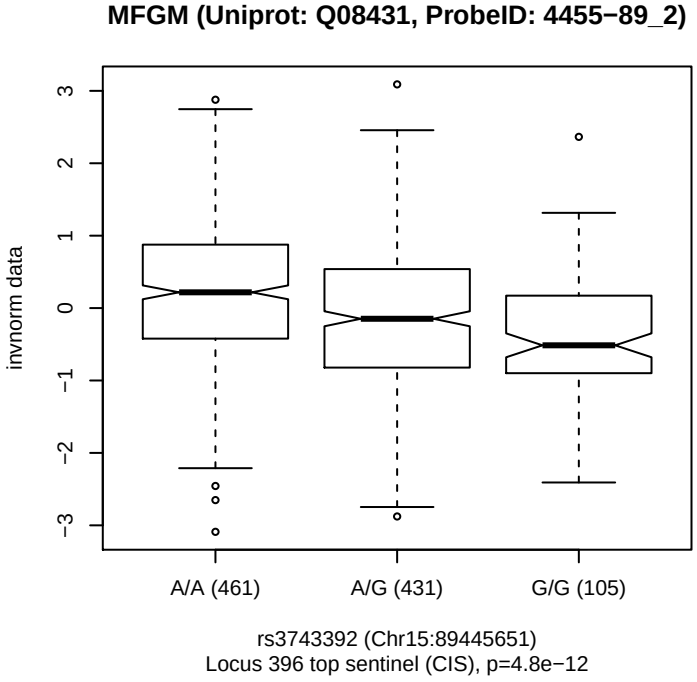

MFGM (Uniprot: Q08431, ProbeID: 4455−89_2)
Frequency
0
200
400
600
800
1000
0
20000
40000
60000
80000
raw data
Lactadherin

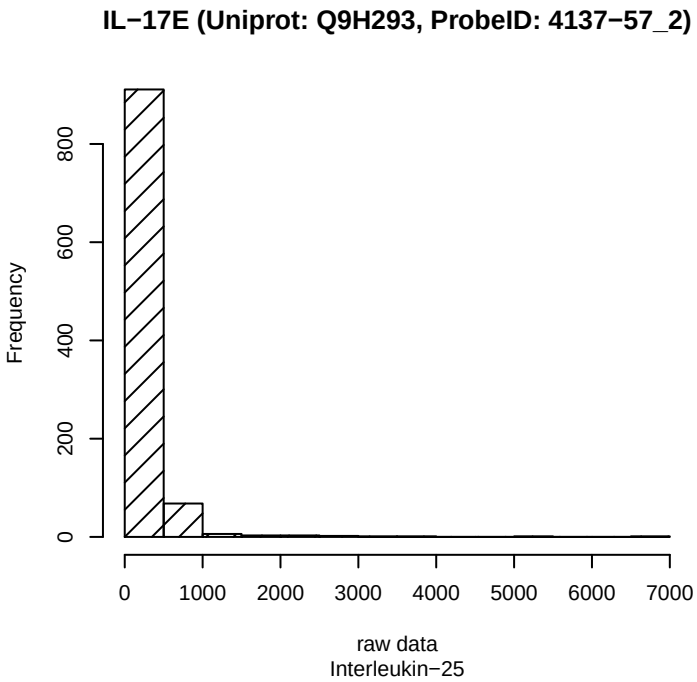

MFGM (Uniprot: Q08431, ProbeID: 4455−89_2)
raw data
0
20000
40000
60000
80000
A/A (461)
A/G (431)
G/G (105)
rs3743392 (Chr15:89445651)
Locus 396 top sentinel (CIS), p=0.8

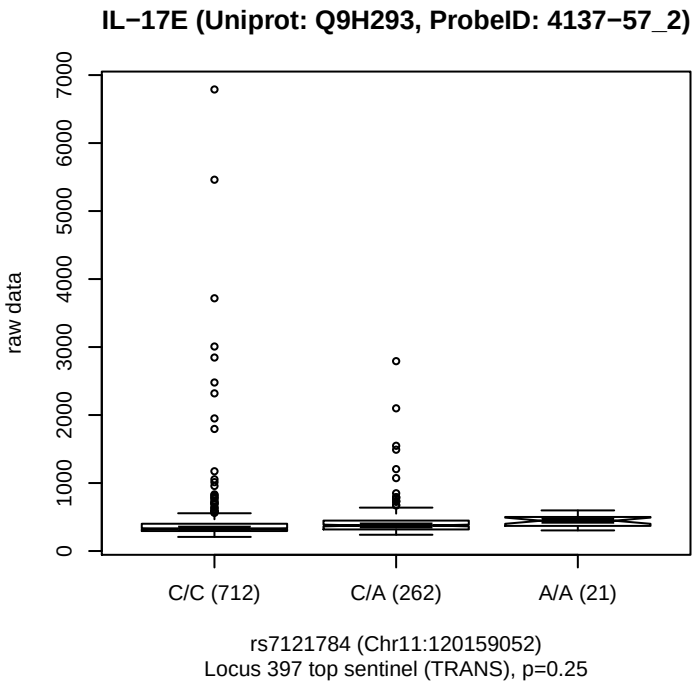

MFGM (Uniprot: Q08431, ProbeID: 4455−89_2)
Frequency
0
100
200
300
400
500
600
700
8
10
12
14
16
log2−scaled data
Lactadherin

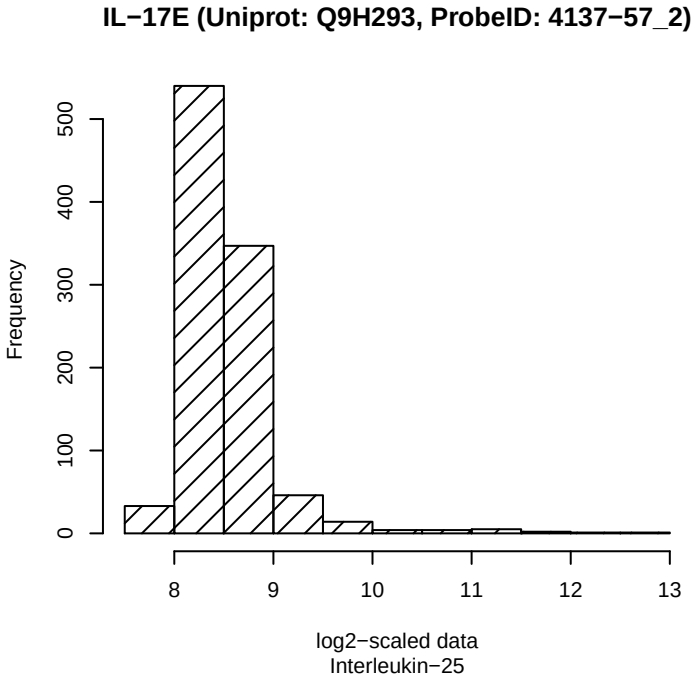

MFGM (Uniprot: Q08431, ProbeID: 4455−89_2)
log2−scaled data
8
10
12
14
16
A/A (461)
A/G (431)
G/G (105)
rs3743392 (Chr15:89445651)
Locus 396 top sentinel (CIS), p=8.9e−09, FC=−1.0887

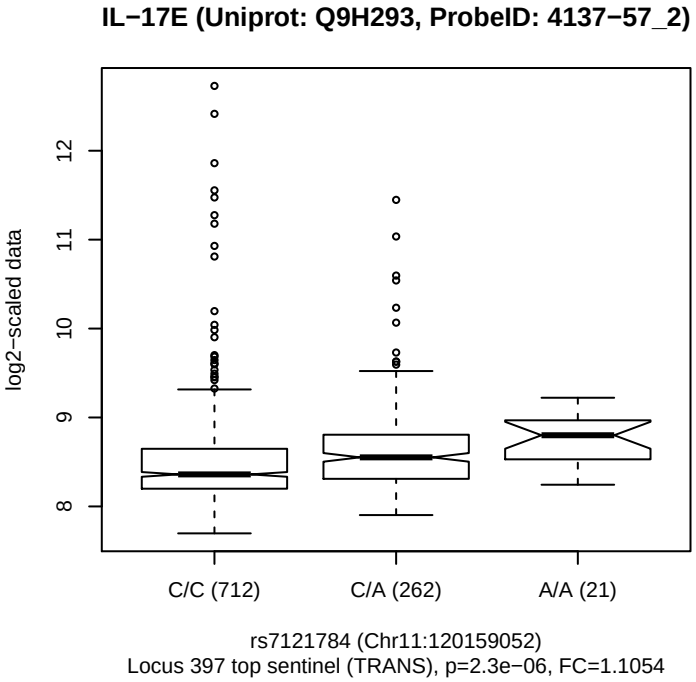

MFGM (Uniprot: Q08431, ProbeID: 4455−89_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Lactadherin

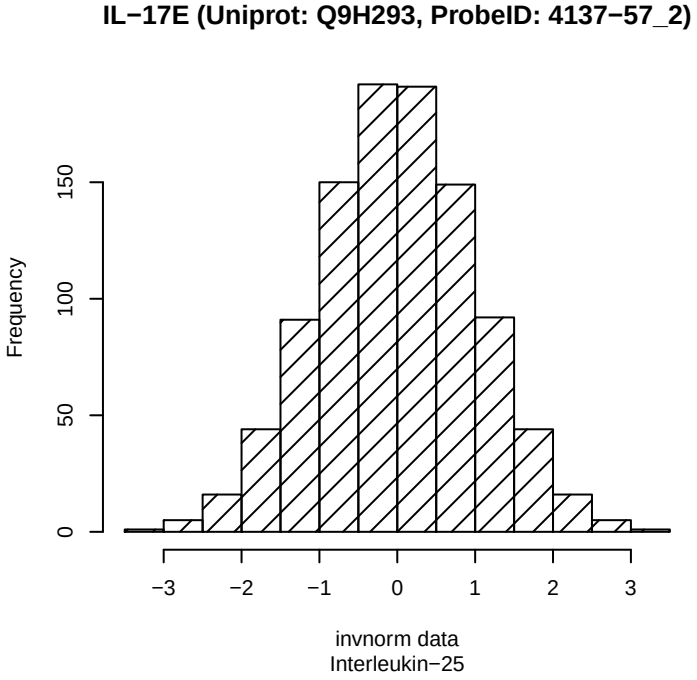

MFGM (Uniprot: Q08431, ProbeID: 4455−89_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (461)
A/G (431)
G/G (105)
rs3743392 (Chr15:89445651)
Locus 396 top sentinel (CIS), p=4.8e−12

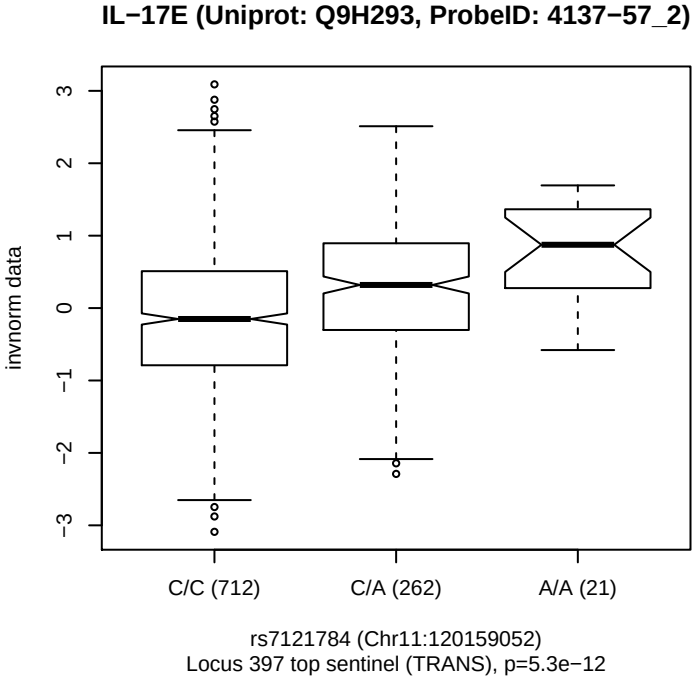

IL−17E (Uniprot: Q9H293, ProbeID: 4137−57_2)
Frequency
0
200
400
600
800
0
1000
2000
3000
4000
5000
6000
7000
raw data
Interleukin−25

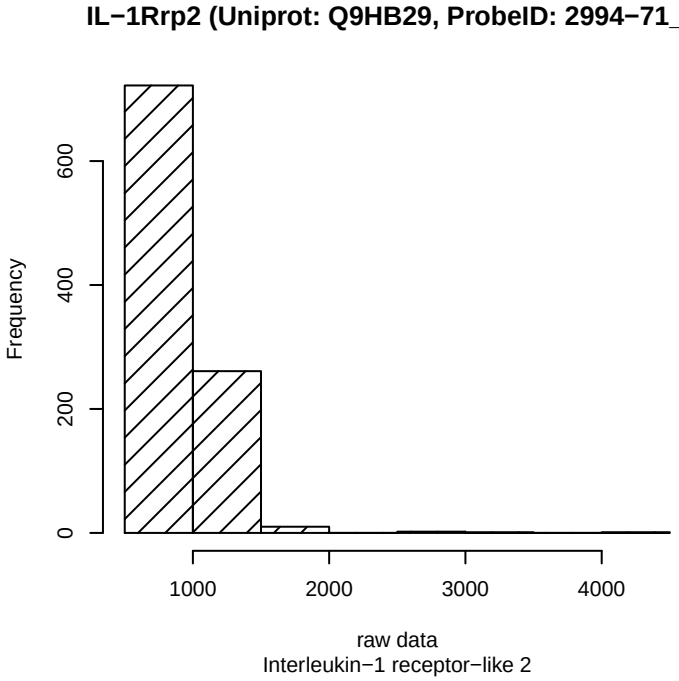

IL−17E (Uniprot: Q9H293, ProbeID: 4137−57_2)
raw data
0
1000
2000
3000
4000
5000
6000
7000
C/C (712)
C/A (262)
A/A (21)
rs7121784 (Chr11:120159052)
Locus 397 top sentinel (TRANS), p=0.25

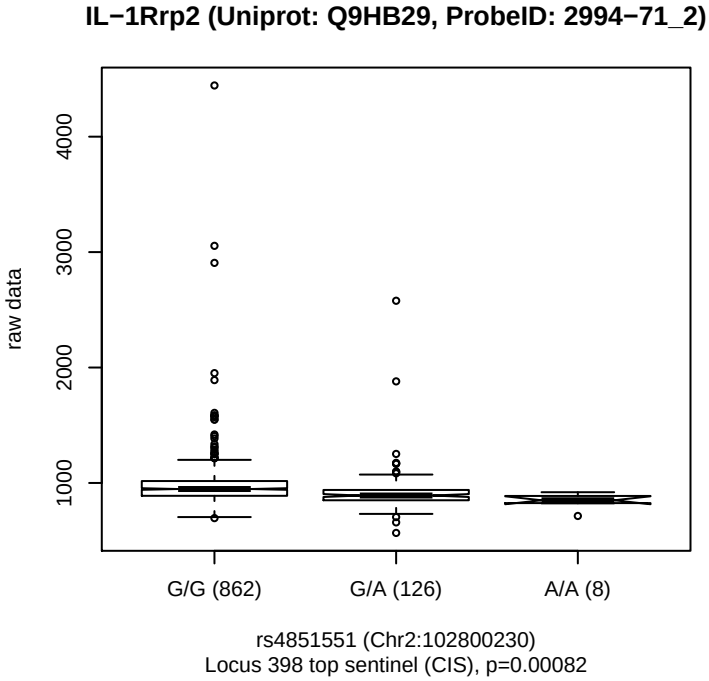

IL−17E (Uniprot: Q9H293, ProbeID: 4137−57_2)
Frequency
0
100
200
300
400
500
8
9
10
11
12
13
log2−scaled data
Interleukin−25

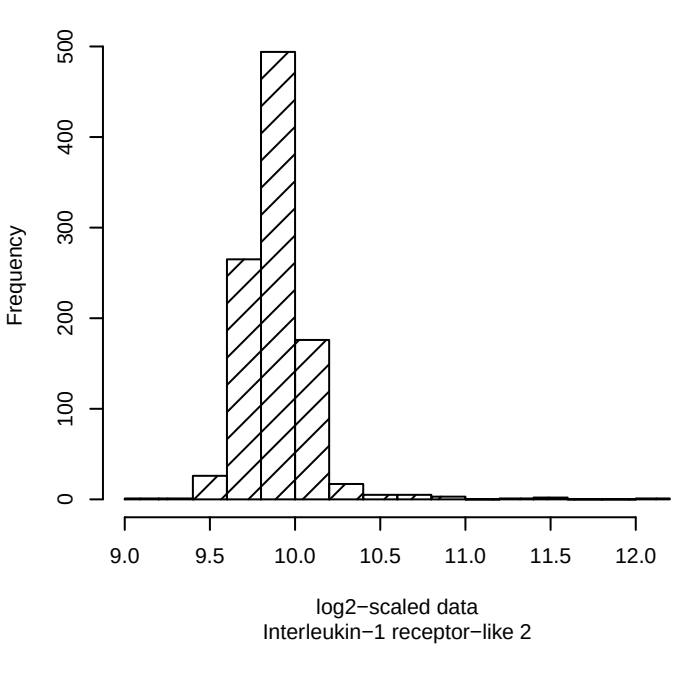

IL−17E (Uniprot: Q9H293, ProbeID: 4137−57_2)
log2−scaled data
8
9
10
11
12
C/C (712)
C/A (262)
A/A (21)
rs7121784 (Chr11:120159052)
Locus 397 top sentinel (TRANS), p=2.3e−06, FC=1.1054

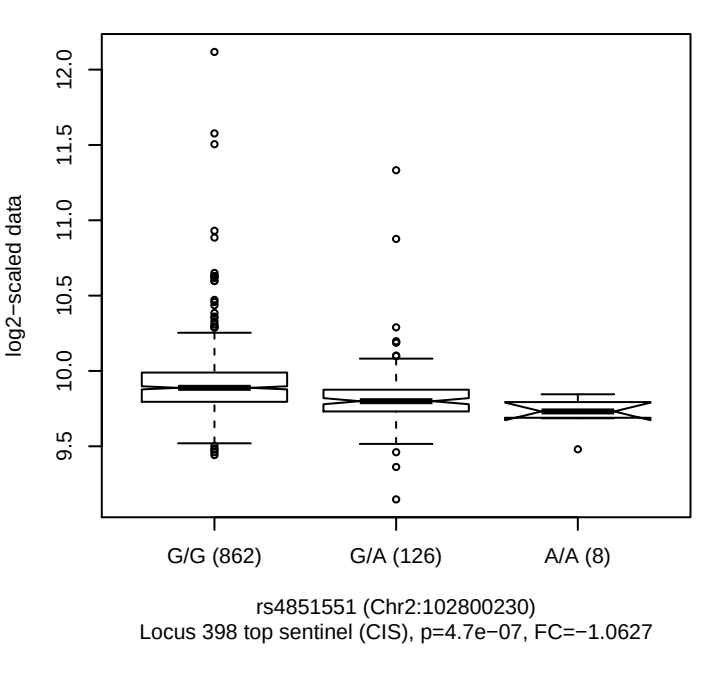

IL−17E (Uniprot: Q9H293, ProbeID: 4137−57_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−25

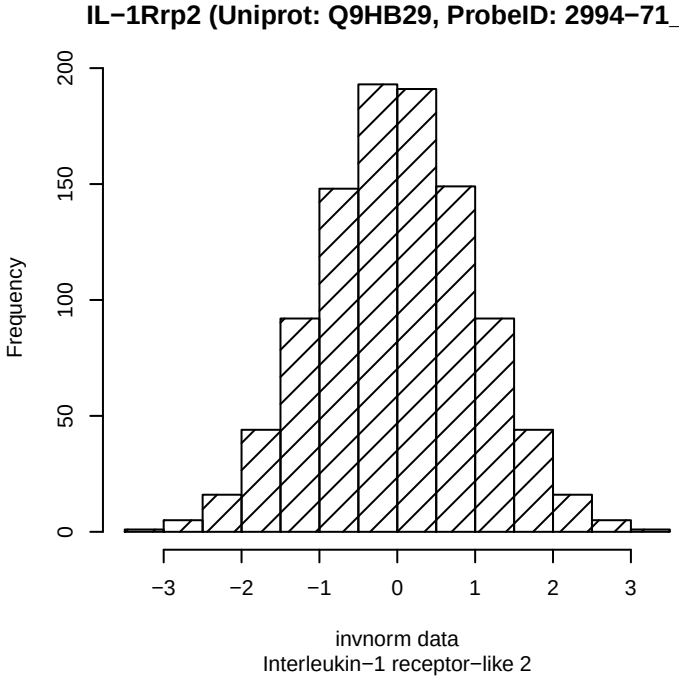

IL−17E (Uniprot: Q9H293, ProbeID: 4137−57_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (712)
C/A (262)
A/A (21)
rs7121784 (Chr11:120159052)
Locus 397 top sentinel (TRANS), p=5.3e−12

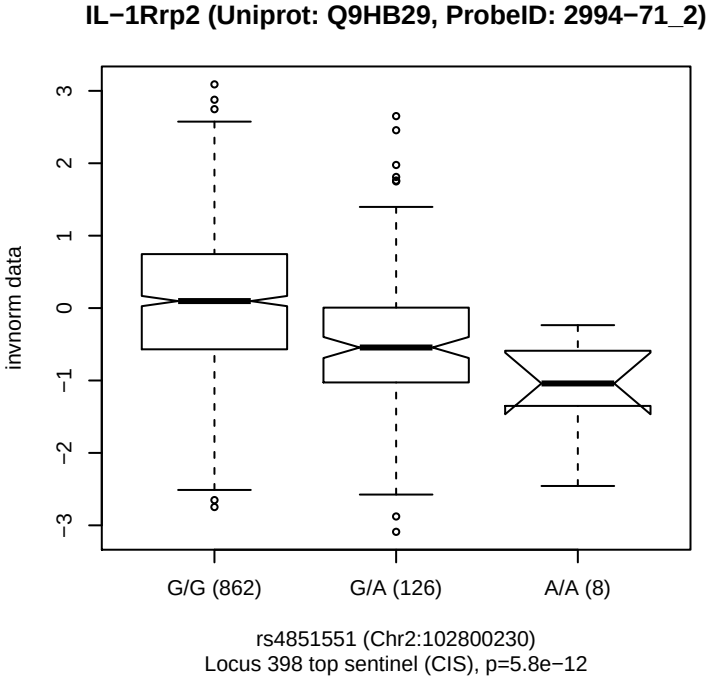

IL−1Rrp2 (Uniprot: Q9HB29, ProbeID: 2994−71_2)
Frequency
0
200
400
600
1000
2000
3000
4000
raw data
Interleukin−1 receptor−like 2

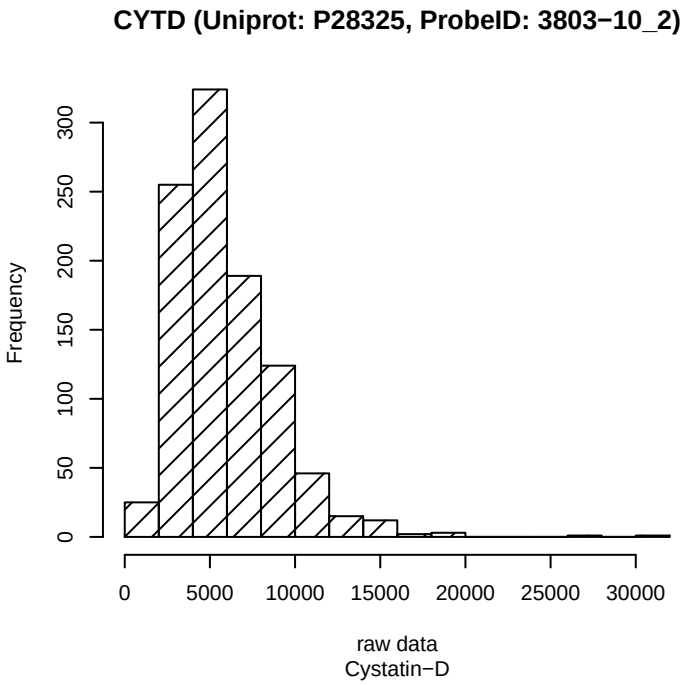

IL−1Rrp2 (Uniprot: Q9HB29, ProbeID: 2994−71_2)
raw data
1000
2000
3000
4000
G/G (862)
G/A (126)
A/A (8)
rs4851551 (Chr2:102800230)
Locus 398 top sentinel (CIS), p=0.00082

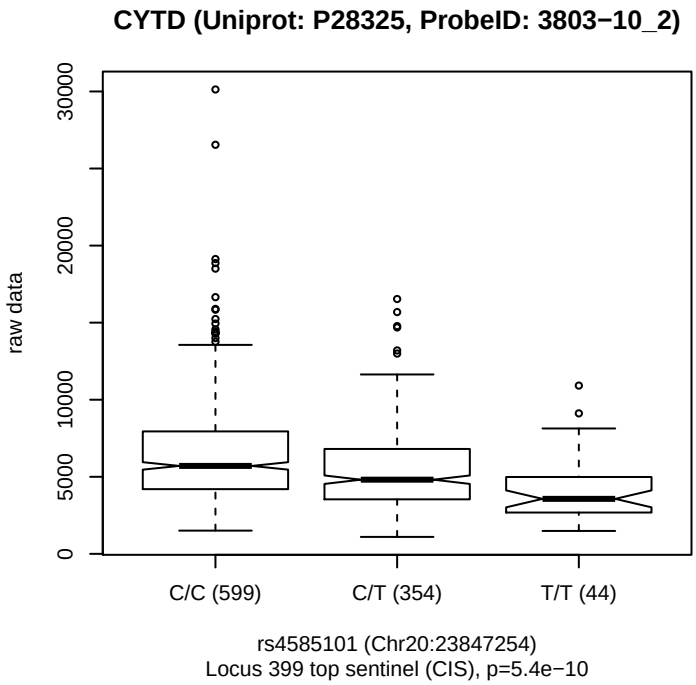

IL−1Rrp2 (Uniprot: Q9HB29, ProbeID: 2994−71_2)
Frequency
0
100
200
300
400
500
9.0
9.5
10.0
10.5
11.0
11.5
12.0
log2−scaled data
Interleukin−1 receptor−like 2

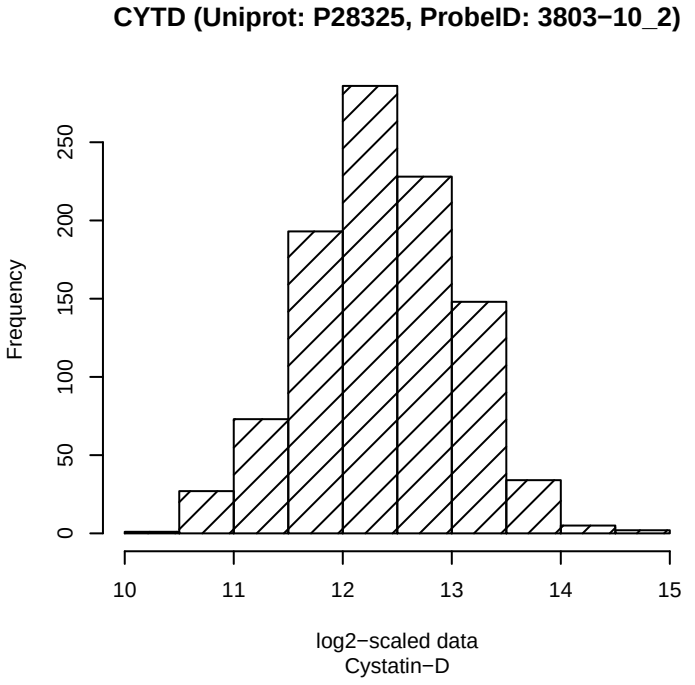

IL−1Rrp2 (Uniprot: Q9HB29, ProbeID: 2994−71_2)
log2−scaled data
9.5
10.0
10.5
11.0
11.5
12.0
G/G (862)
G/A (126)
A/A (8)
rs4851551 (Chr2:102800230)
Locus 398 top sentinel (CIS), p=4.7e−07, FC=−1.0627

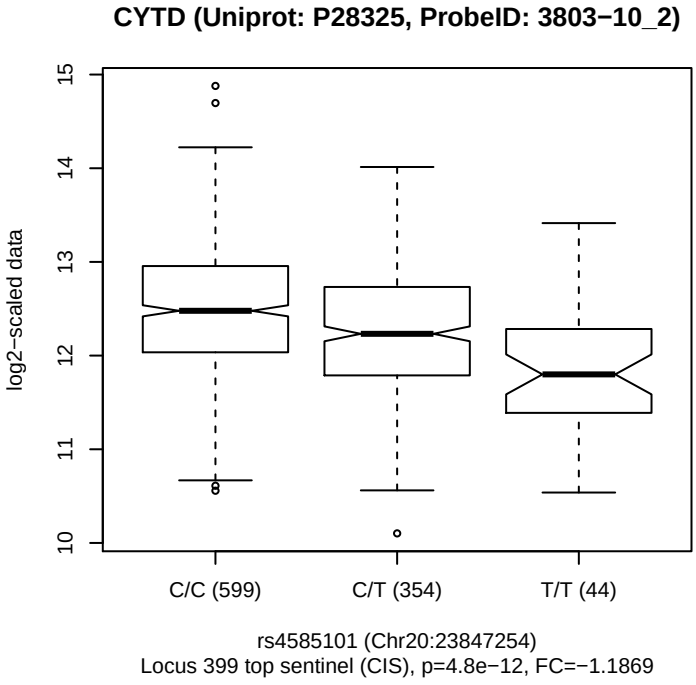

IL−1Rrp2 (Uniprot: Q9HB29, ProbeID: 2994−71_2)
Frequency
0
50
100
150
200
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−1 receptor−like 2

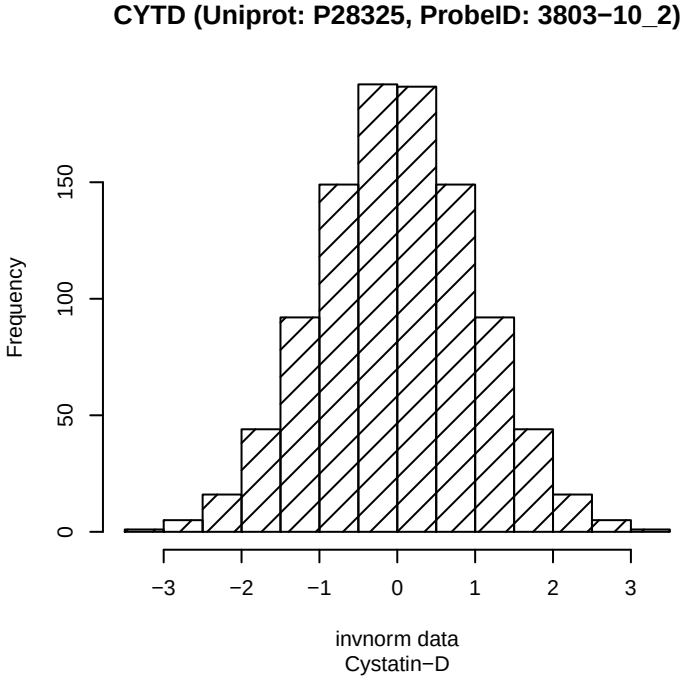

IL−1Rrp2 (Uniprot: Q9HB29, ProbeID: 2994−71_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (862)
G/A (126)
A/A (8)
rs4851551 (Chr2:102800230)
Locus 398 top sentinel (CIS), p=5.8e−12

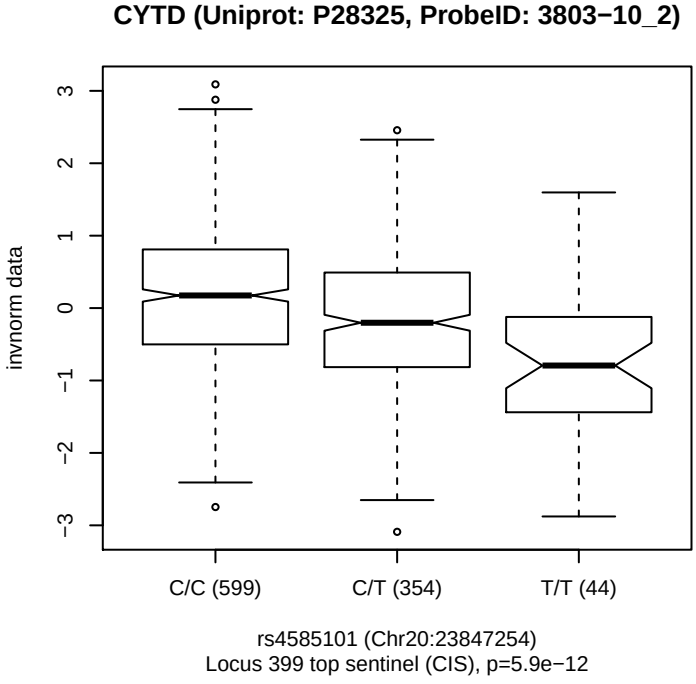

CYTD (Uniprot: P28325, ProbeID: 3803−10_2)
Frequency
0
50
100
150
200
250
300
0
5000
10000
15000
20000
25000
30000
raw data
Cystatin−D


CYTD (Uniprot: P28325, ProbeID: 3803−10_2)
raw data
0
5000
10000
20000
30000
C/C (599)
C/T (354)
T/T (44)
rs4585101 (Chr20:23847254)
Locus 399 top sentinel (CIS), p=5.4e−10

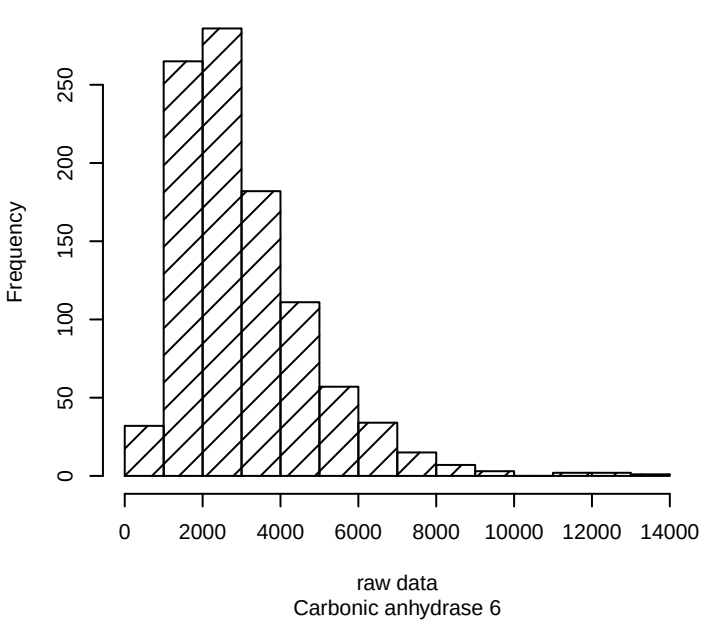

CYTD (Uniprot: P28325, ProbeID: 3803−10_2)
Frequency
0
50
100
150
200
250
10
11
12
13
14
15
log2−scaled data
Cystatin−D


CYTD (Uniprot: P28325, ProbeID: 3803−10_2)
log2−scaled data
10
11
12
13
14
15
C/C (599)
C/T (354)
T/T (44)
rs4585101 (Chr20:23847254)
Locus 399 top sentinel (CIS), p=4.8e−12, FC=−1.1869

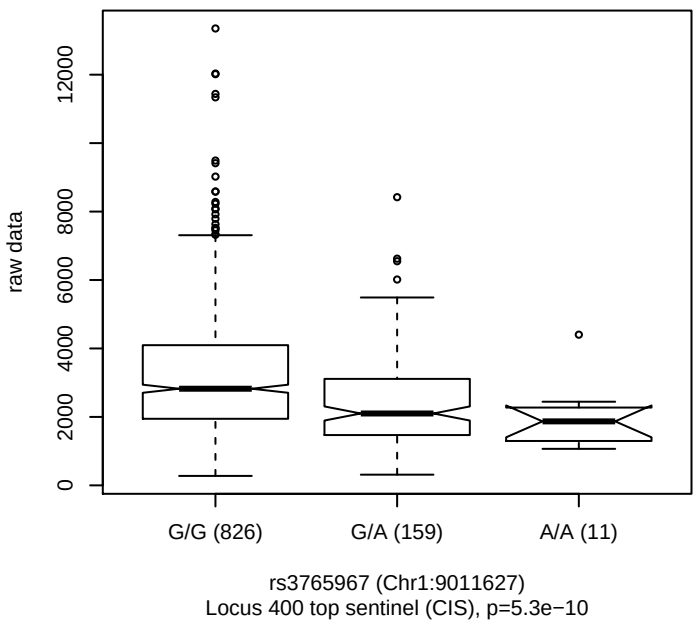

CYTD (Uniprot: P28325, ProbeID: 3803−10_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Cystatin−D


CYTD (Uniprot: P28325, ProbeID: 3803−10_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (599)
C/T (354)
T/T (44)
rs4585101 (Chr20:23847254)
Locus 399 top sentinel (CIS), p=5.9e−12

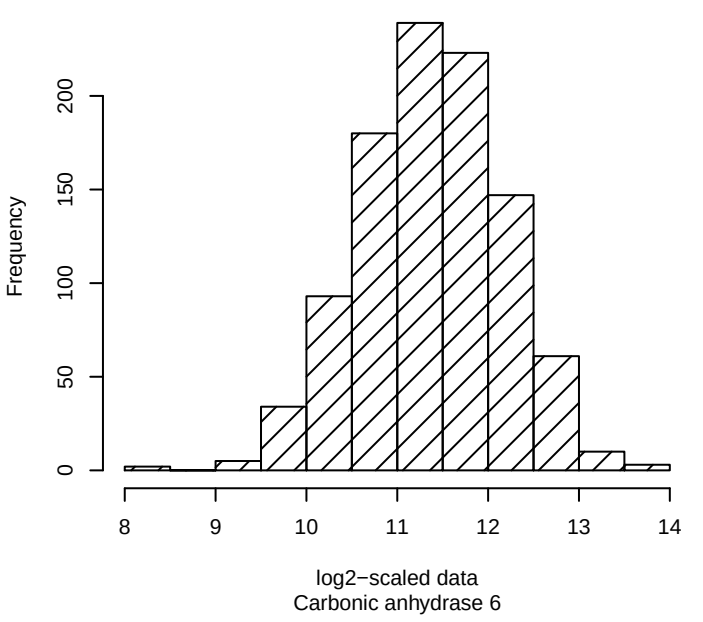
**Carbonic anhydrase 6 (Uniprot: P23280, ProbeID: 3352−80**



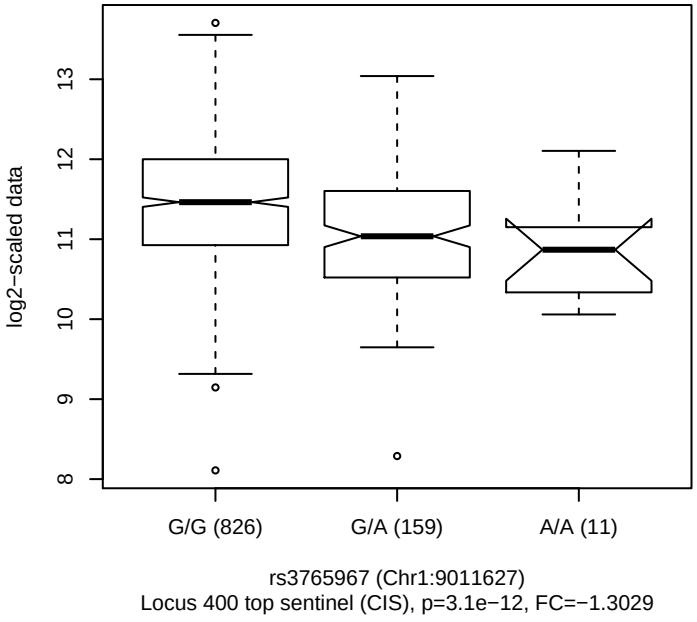

**Carbonic anhydrase 6 (Uniprot: P23280, ProbeID: 3352−80**



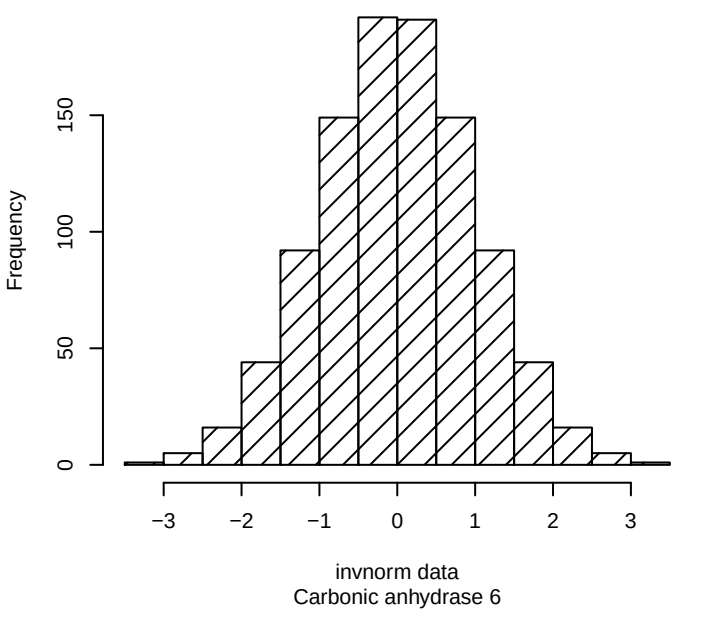

**Carbonic anhydrase 6 (Uniprot: P23280, ProbeID: 3352−80**



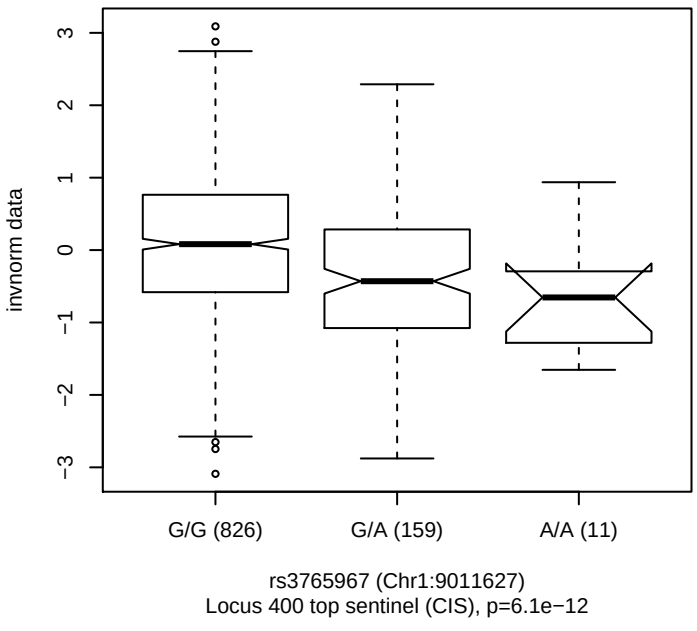

**Carbonic anhydrase 6 (Uniprot: P23280, ProbeID: 3352−80**

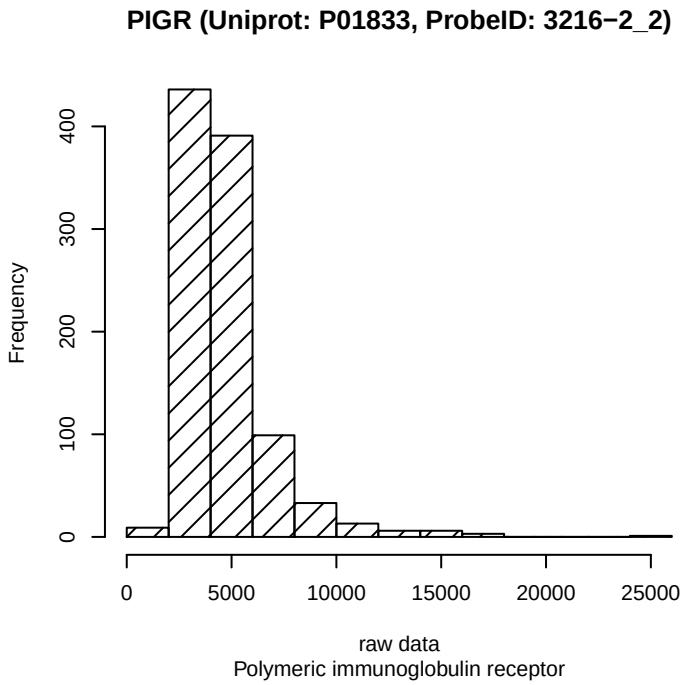


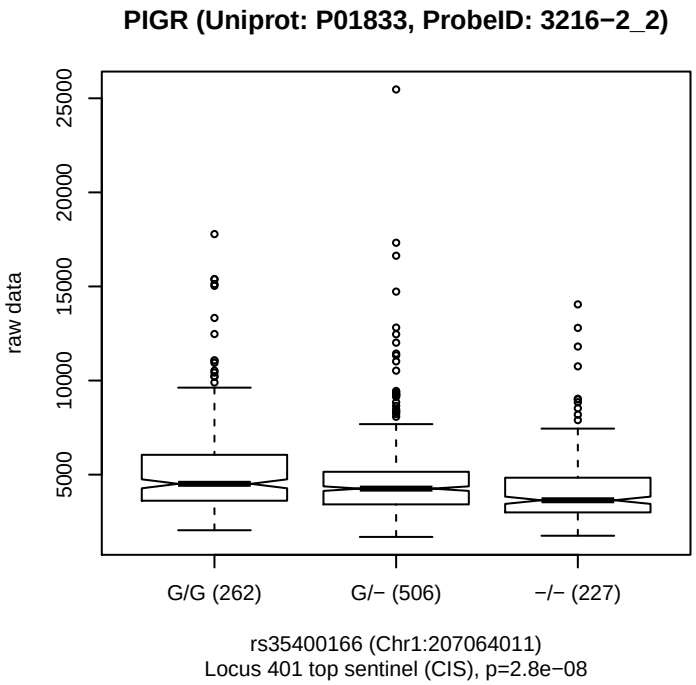

**Carbonic anhydrase 6 (Uniprot: P23280, ProbeID: 3352−80**

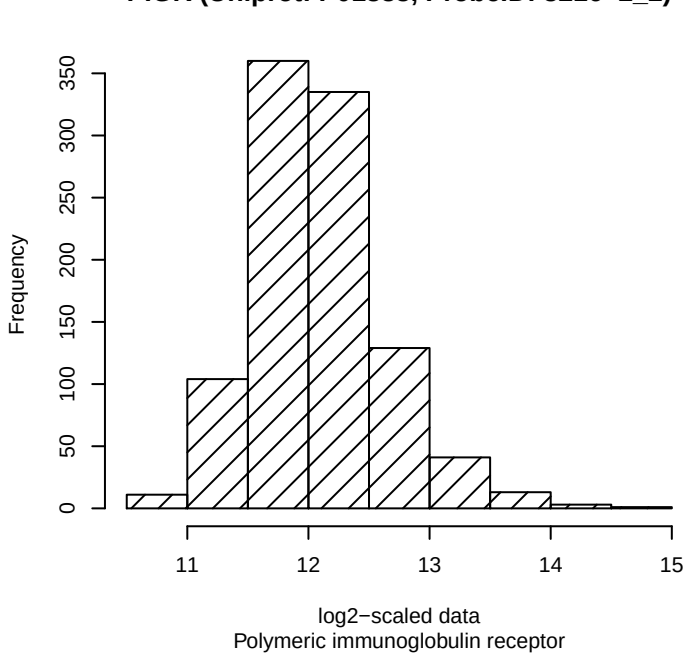


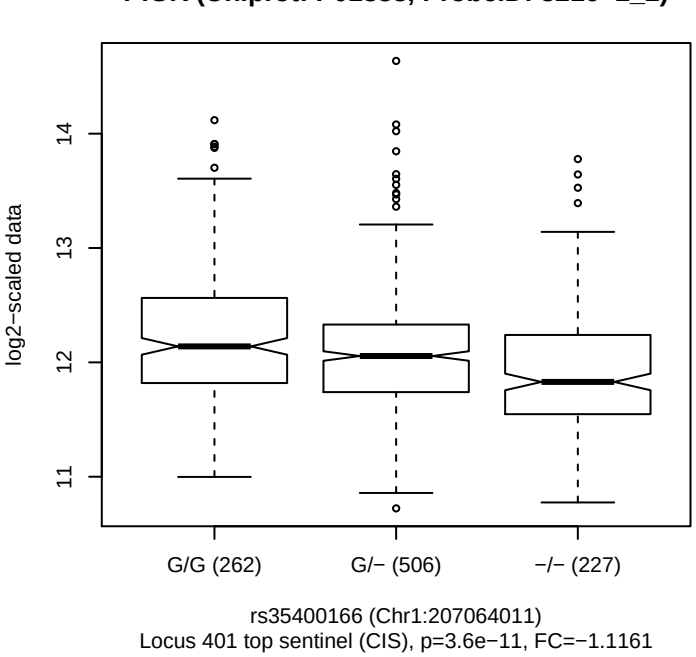

**Carbonic anhydrase 6 (Uniprot: P23280, ProbeID: 3352−80**

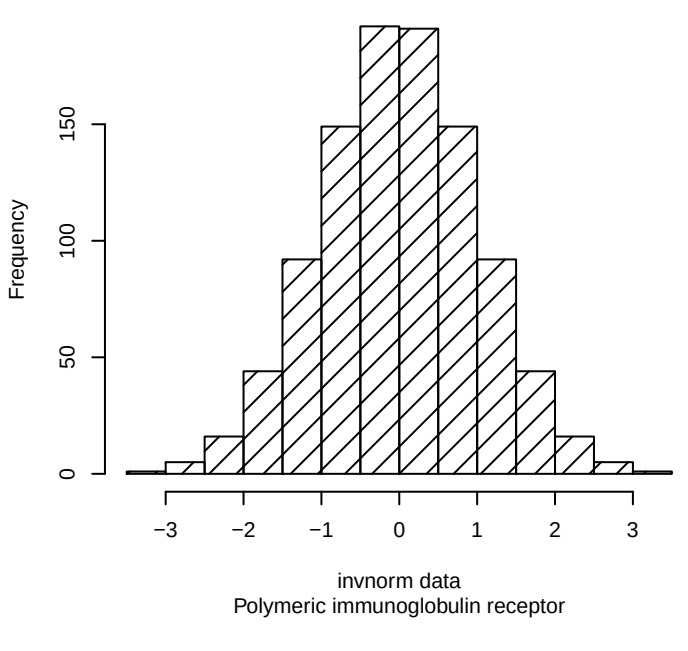


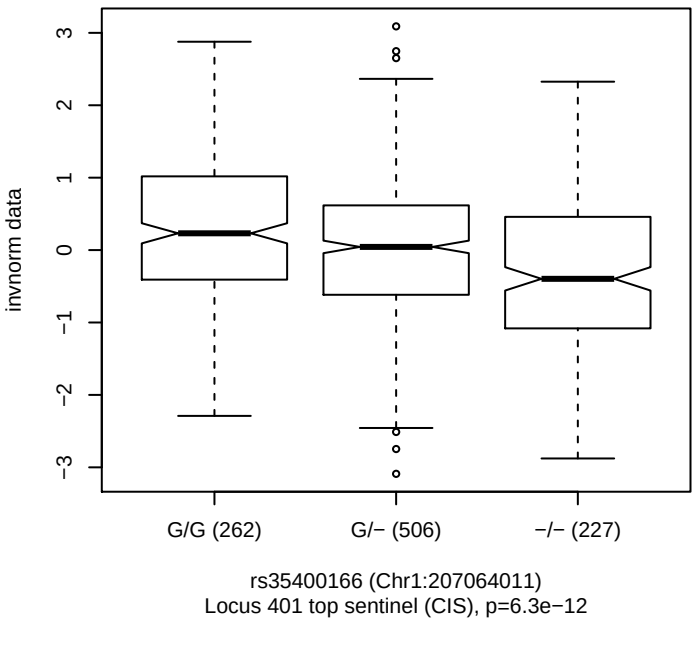

PIGR (Uniprot: P01833, ProbeID: 3216−2_2)
Frequency
0
100
200
300
400
0
5000
10000
15000
20000
25000
raw data
Polymeric immunoglobulin receptor

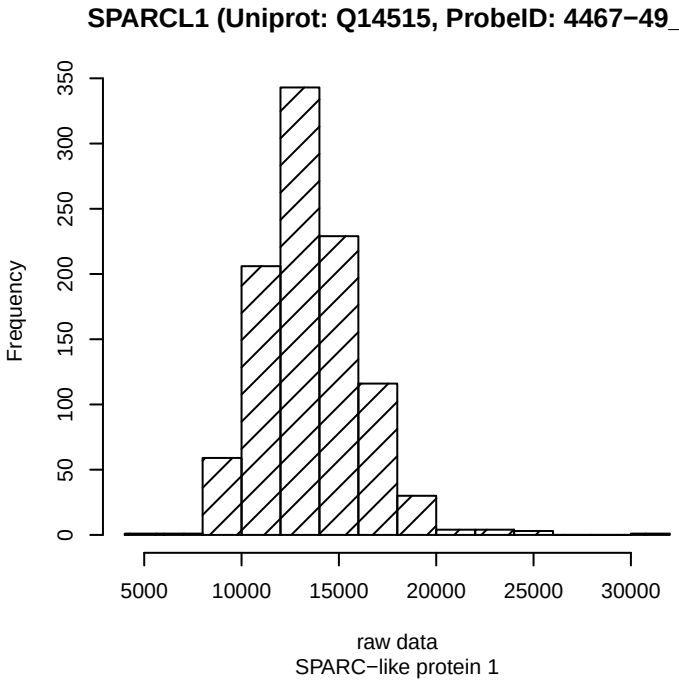

PIGR (Uniprot: P01833, ProbeID: 3216−2_2)
raw data
5000
10000
15000
20000
25000
G/G (262)
G/− (506)
−/− (227)
rs35400166 (Chr1:207064011)
Locus 401 top sentinel (CIS), p=2.8e−08

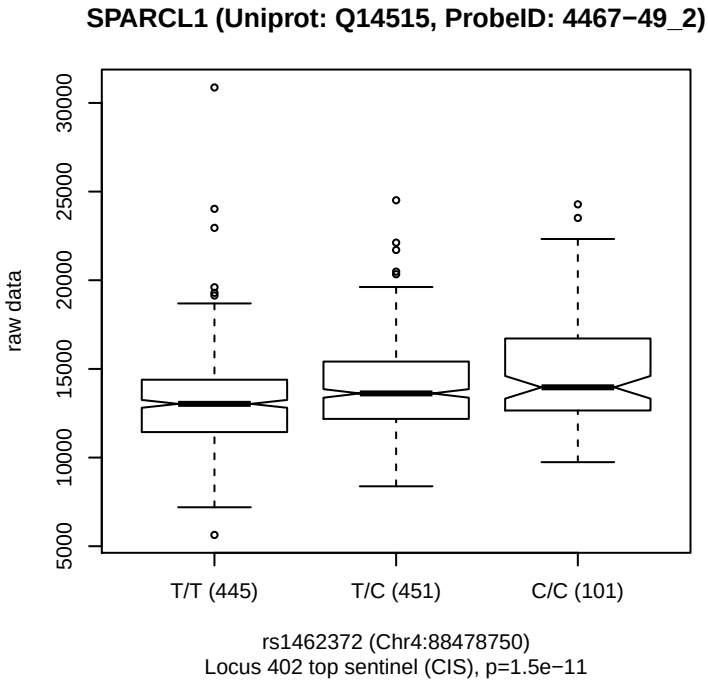

PIGR (Uniprot: P01833, ProbeID: 3216−2_2)
Frequency
0
50
100
150
200
250
300
350
11
12
13
14
15
log2−scaled data
Polymeric immunoglobulin receptor

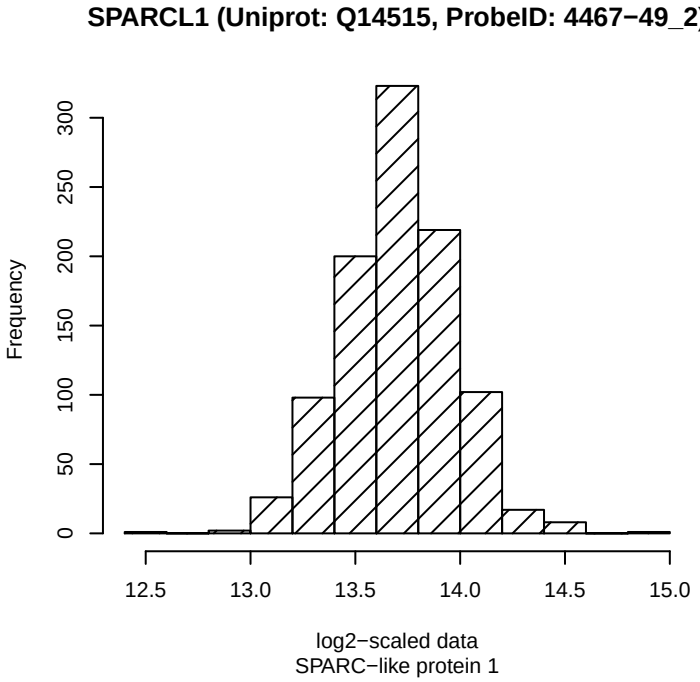

PIGR (Uniprot: P01833, ProbeID: 3216−2_2)
log2−scaled data
11
12
13
14
G/G (262)
G/− (506)
−/− (227)
rs35400166 (Chr1:207064011)
Locus 401 top sentinel (CIS), p=3.6e−11, FC=−1.1161

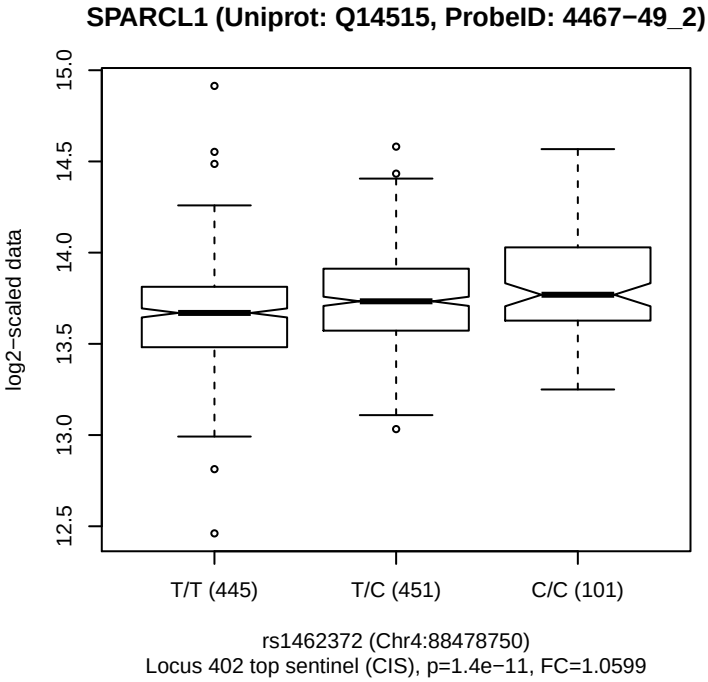

PIGR (Uniprot: P01833, ProbeID: 3216−2_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Polymeric immunoglobulin receptor

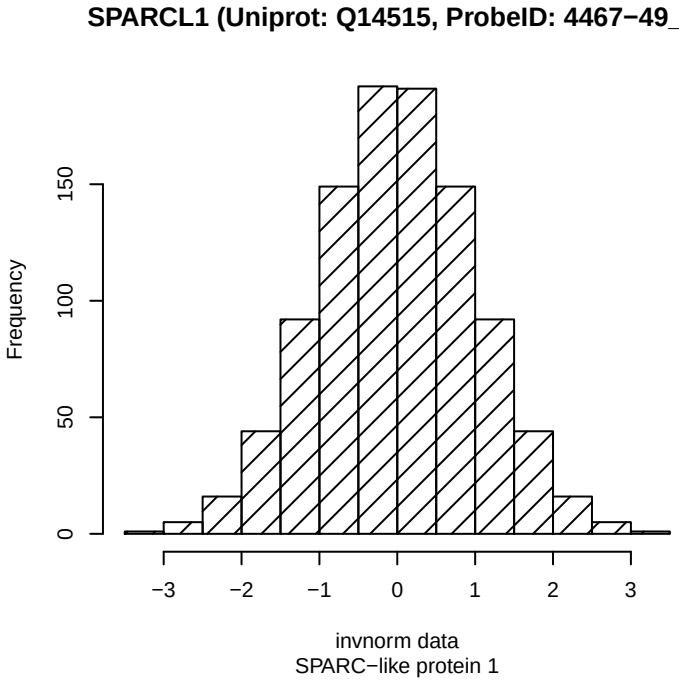

PIGR (Uniprot: P01833, ProbeID: 3216−2_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (262)
G/− (506)
−/− (227)
rs35400166 (Chr1:207064011)
Locus 401 top sentinel (CIS), p=6.3e−12

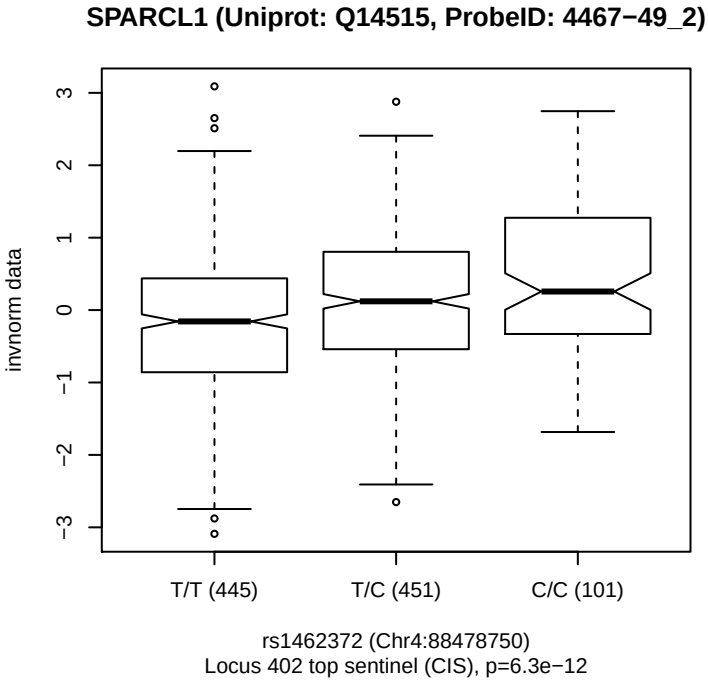

SPARCL1 (Uniprot: Q14515, ProbeID: 4467−49_2)
Frequency
0
50
100
150
200
250
300
350
5000
10000
15000
20000
25000
30000
raw data
SPARC−like protein 1

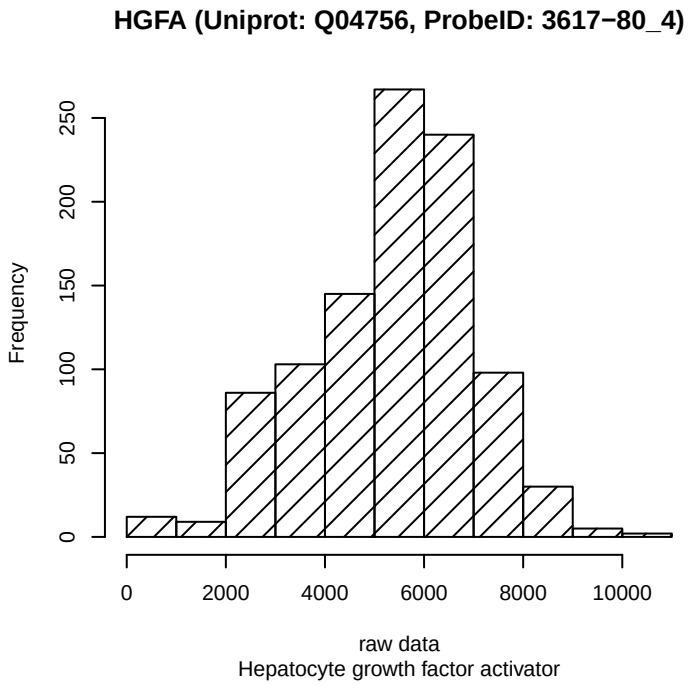

SPARCL1 (Uniprot: Q14515, ProbeID: 4467−49_2)
raw data
5000
10000
15000
20000
25000
30000
T/T (445)
T/C (451)
C/C (101)
rs1462372 (Chr4:88478750)
Locus 402 top sentinel (CIS), p=1.5e−11

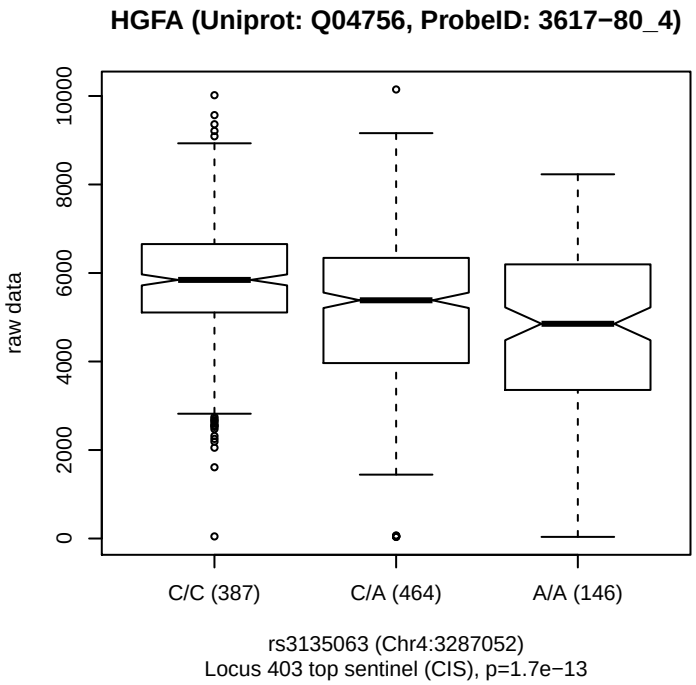

SPARCL1 (Uniprot: Q14515, ProbeID: 4467−49_2)
Frequency
0
50
100
150
200
250
300
12.5
13.0
13.5
14.0
14.5
15.0
log2−scaled data
SPARC−like protein 1

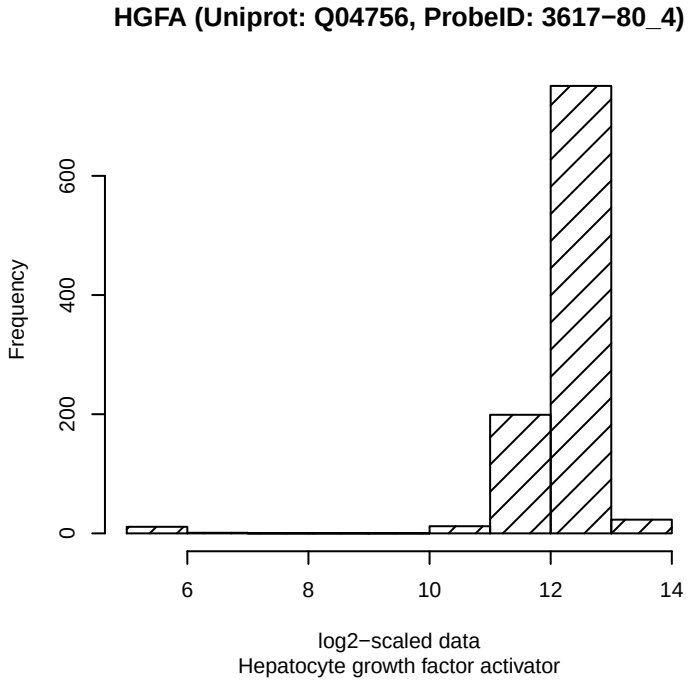

SPARCL1 (Uniprot: Q14515, ProbeID: 4467−49_2)
log2−scaled data
12.5
13.0
13.5
14.0
14.5
15.0
T/T (445)
T/C (451)
C/C (101)
rs1462372 (Chr4:88478750)
Locus 402 top sentinel (CIS), p=1.4e−11, FC=1.0599

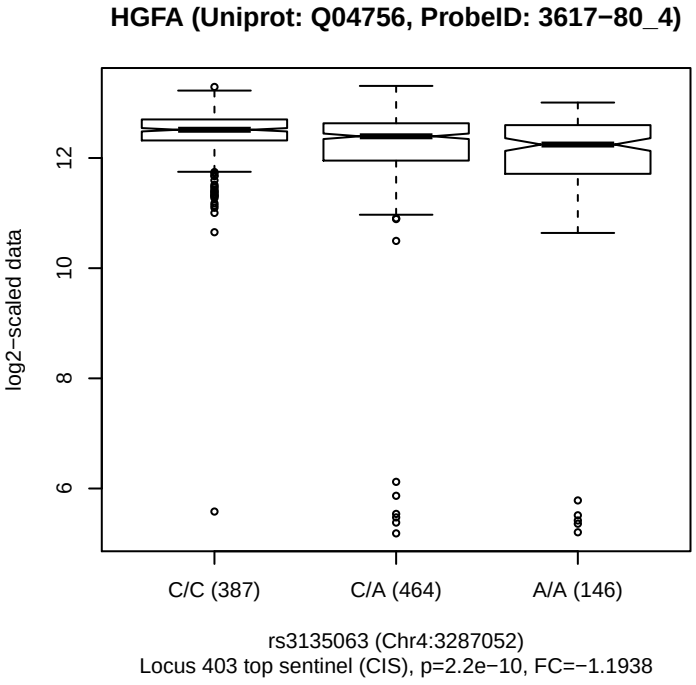

SPARCL1 (Uniprot: Q14515, ProbeID: 4467−49_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
SPARC−like protein 1

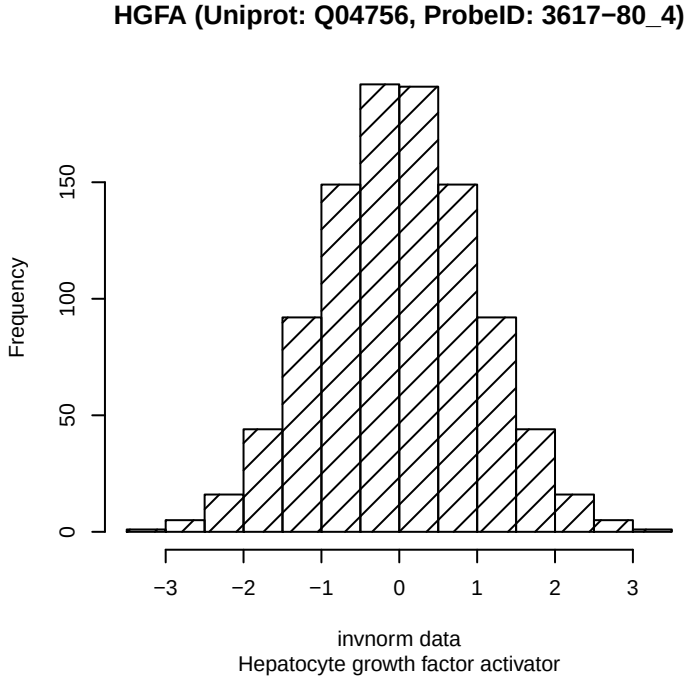

SPARCL1 (Uniprot: Q14515, ProbeID: 4467−49_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (445)
T/C (451)
C/C (101)
rs1462372 (Chr4:88478750)
Locus 402 top sentinel (CIS), p=6.3e−12

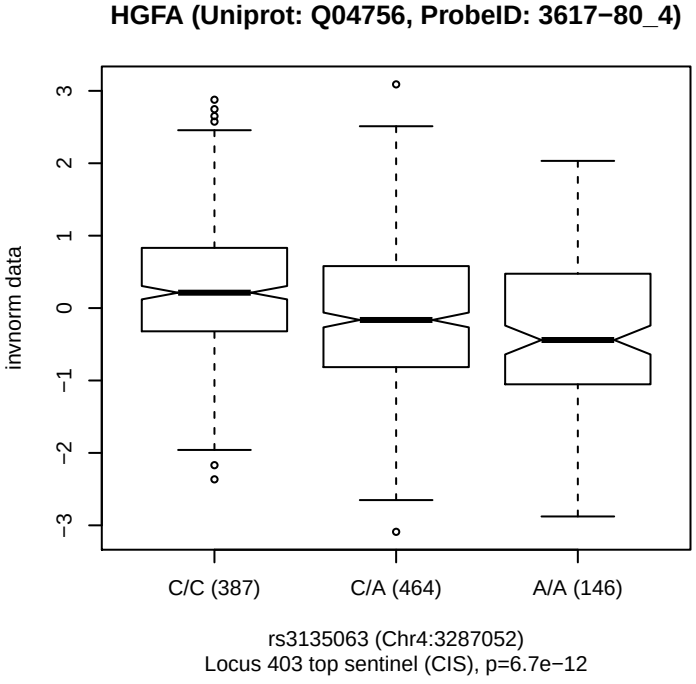

HGFA (Uniprot: Q04756, ProbeID: 3617−80_4)
Frequency
0
50
100
150
200
250
0
2000
4000
6000
8000
10000
raw data
Hepatocyte growth factor activator

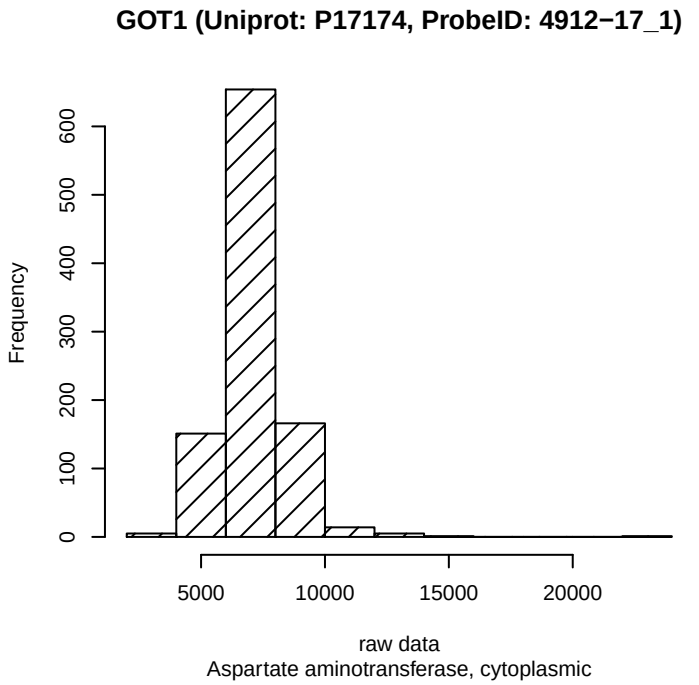

HGFA (Uniprot: Q04756, ProbeID: 3617−80_4)
raw data
0
2000
4000
6000
8000
10000
C/C (387)
C/A (464)
A/A (146)
rs3135063 (Chr4:3287052)
Locus 403 top sentinel (CIS), p=1.7e−13

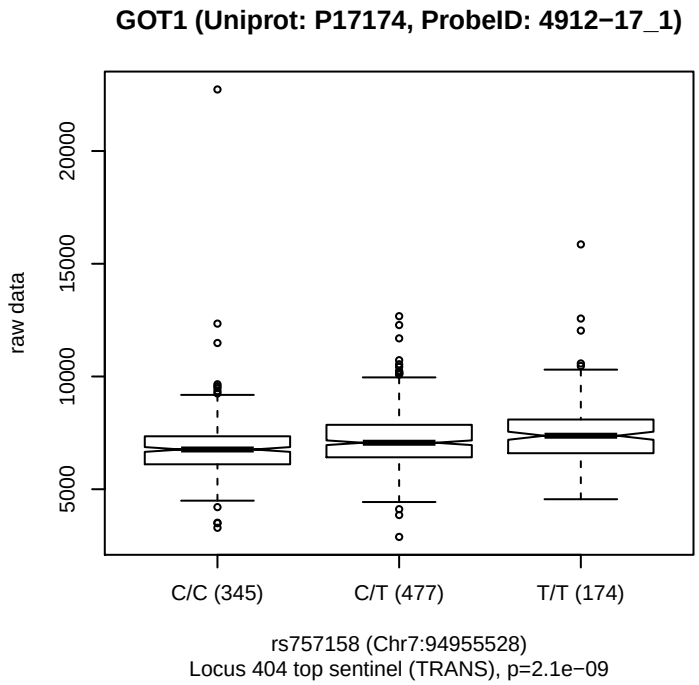

HGFA (Uniprot: Q04756, ProbeID: 3617−80_4)
Frequency
0
200
400
600
6
8
10
12
14
log2−scaled data
Hepatocyte growth factor activator

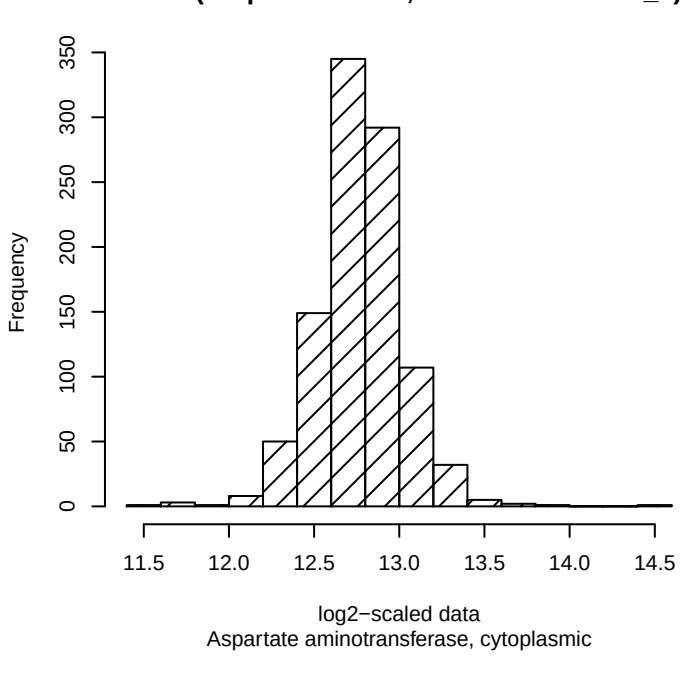

HGFA (Uniprot: Q04756, ProbeID: 3617−80_4)
log2−scaled data
6
8
10
12
C/C (387)
C/A (464)
A/A (146)
rs3135063 (Chr4:3287052)
Locus 403 top sentinel (CIS), p=2.2e−10, FC=−1.1938

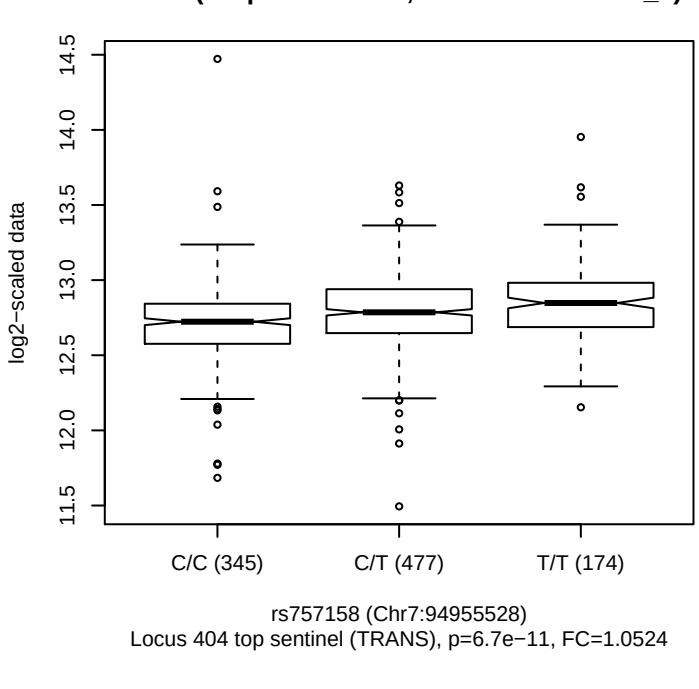

HGFA (Uniprot: Q04756, ProbeID: 3617−80_4)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Hepatocyte growth factor activator

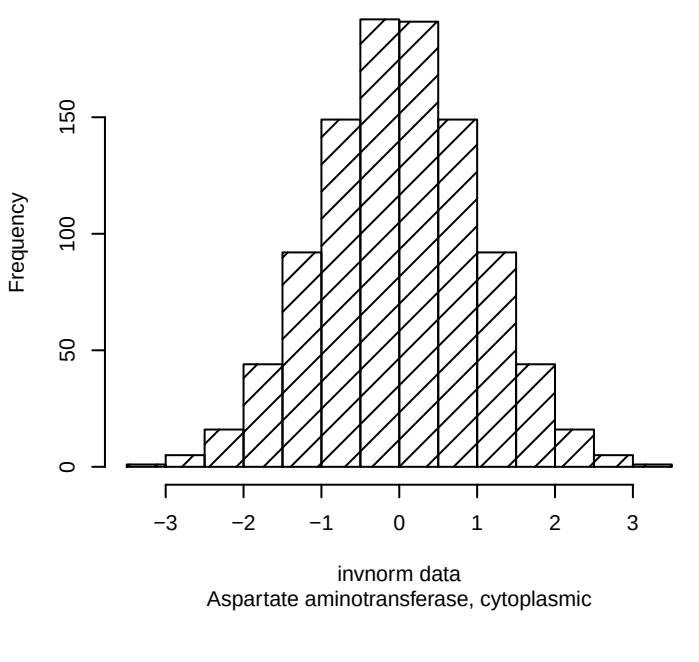

HGFA (Uniprot: Q04756, ProbeID: 3617−80_4)
invnorm data
−3
−2
−1
0
1
2
3
C/C (387)
C/A (464)
A/A (146)
rs3135063 (Chr4:3287052)
Locus 403 top sentinel (CIS), p=6.7e−12

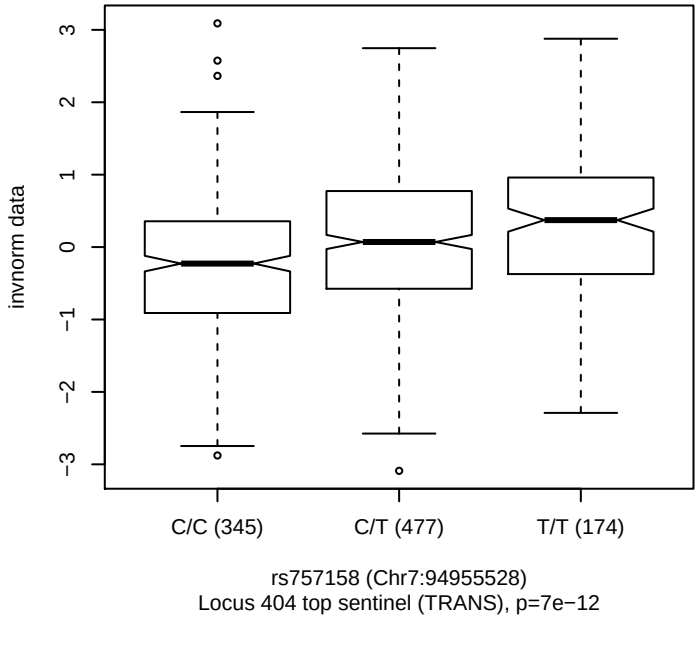

GOT1 (Uniprot: P17174, ProbeID: 4912−17_1)
Frequency
0
100
200
300
400
500
600
5000
10000
15000
20000
raw data
Aspartate aminotransferase, cytoplasmic

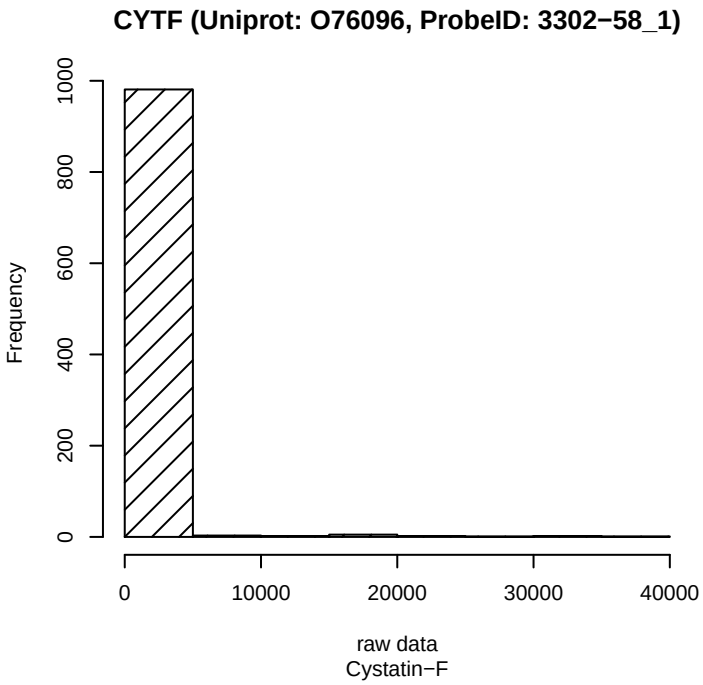

GOT1 (Uniprot: P17174, ProbeID: 4912−17_1)
raw data
5000
10000
15000
20000
C/C (345)
C/T (477)
T/T (174)
rs757158 (Chr7:94955528)
Locus 404 top sentinel (TRANS), p=2.1e−09

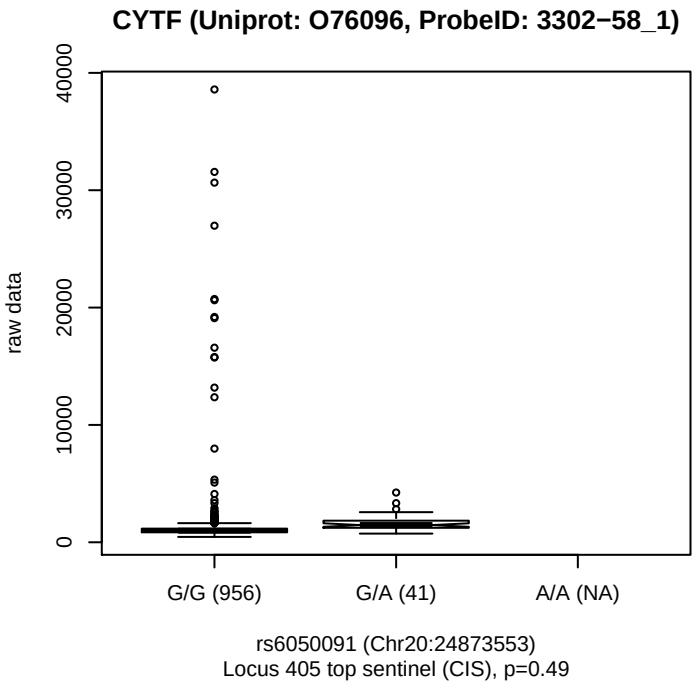

GOT1 (Uniprot: P17174, ProbeID: 4912−17_1)
Frequency
0
50
100
150
200
250
300
350
11.5
12.0
12.5
13.0
13.5
14.0
14.5
log2−scaled data
Aspartate aminotransferase, cytoplasmic

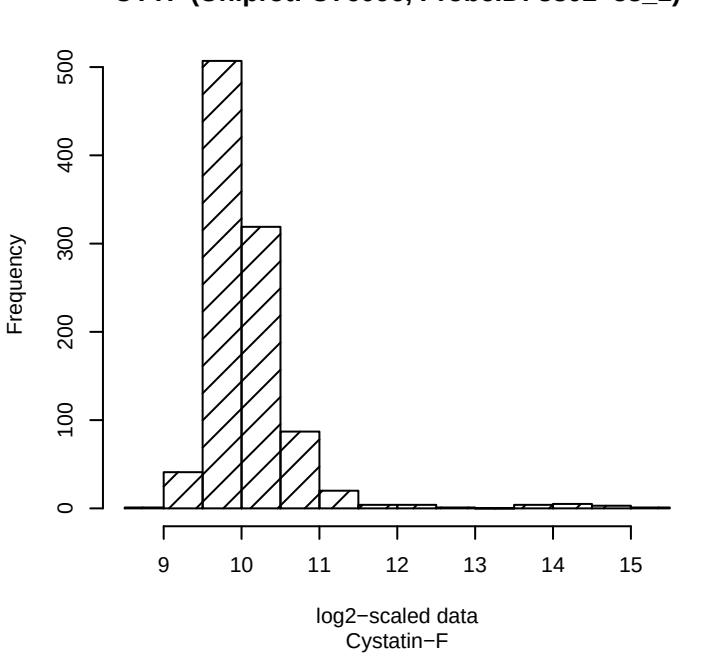

GOT1 (Uniprot: P17174, ProbeID: 4912−17_1)
log2−scaled data
11.5
12.0
12.5
13.0
13.5
14.0
14.5
C/C (345)
C/T (477)
T/T (174)
rs757158 (Chr7:94955528)
Locus 404 top sentinel (TRANS), p=6.7e−11, FC=1.0524

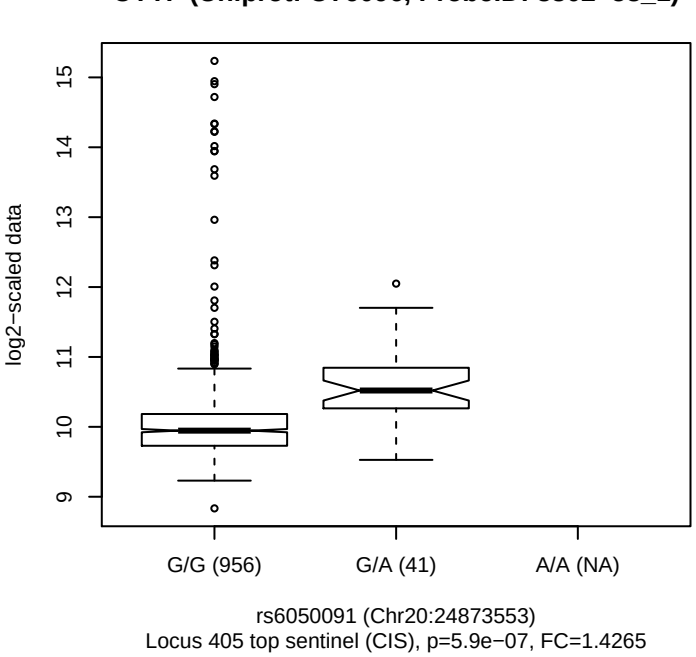

GOT1 (Uniprot: P17174, ProbeID: 4912−17_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Aspartate aminotransferase, cytoplasmic

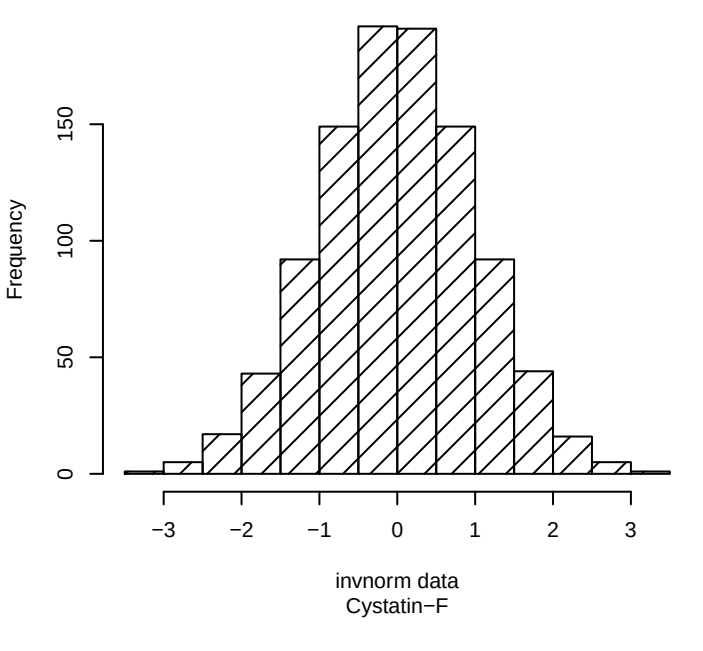

GOT1 (Uniprot: P17174, ProbeID: 4912−17_1)
invnorm data
−3
−2
−1
0
1
2
3
C/C (345)
C/T (477)
T/T (174)
rs757158 (Chr7:94955528)
Locus 404 top sentinel (TRANS), p=7e−12

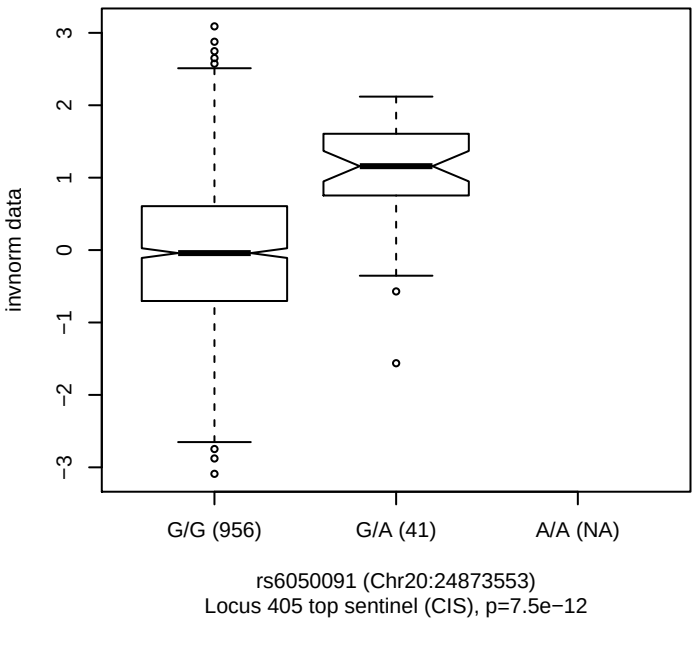

CYTF (Uniprot: O76096, ProbeID: 3302−58_1)
Frequency
0
200
400
600
800
1000
0
10000
20000
30000
40000
raw data
Cystatin−F

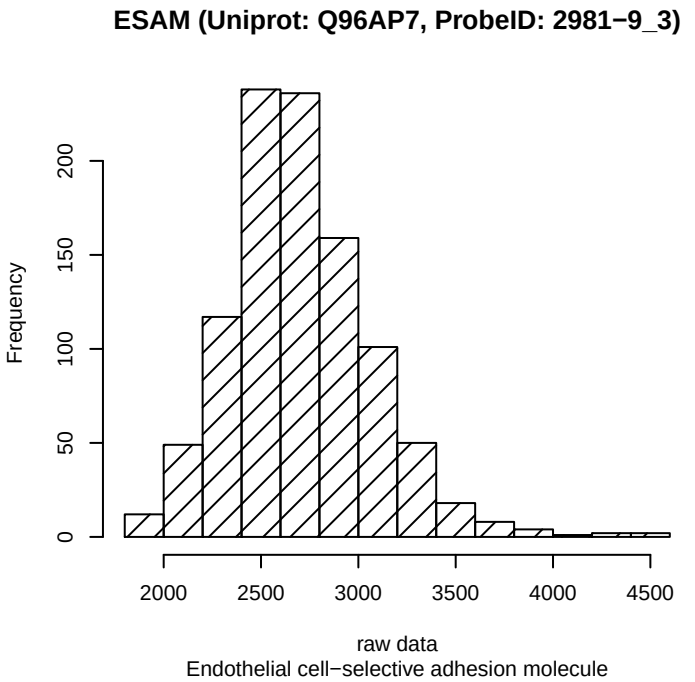

CYTF (Uniprot: O76096, ProbeID: 3302−58_1)
raw data
0
10000
20000
30000
40000
G/G (956)
G/A (41)
A/A (NA)
rs6050091 (Chr20:24873553)
Locus 405 top sentinel (CIS), p=0.49

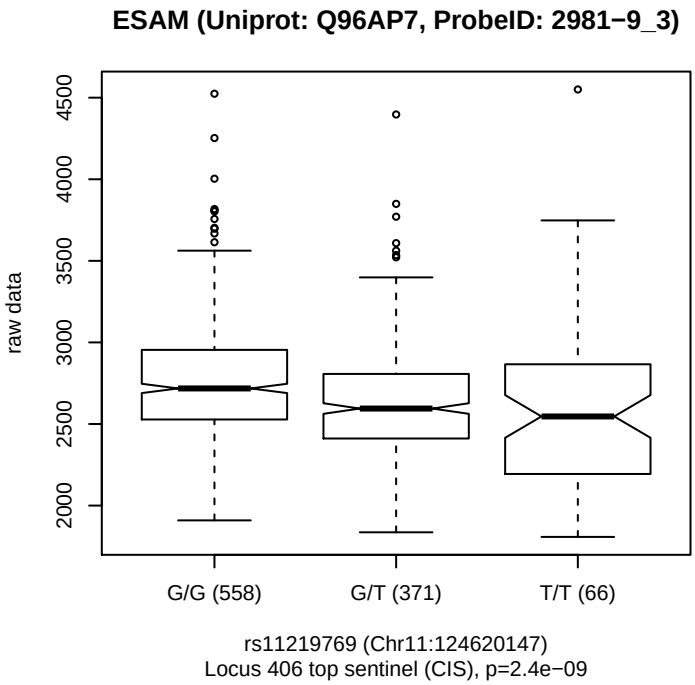

CYTF (Uniprot: O76096, ProbeID: 3302−58_1)
Frequency
0
100
200
300
400
500
9
10
11
12
13
14
15
log2−scaled data
Cystatin−F

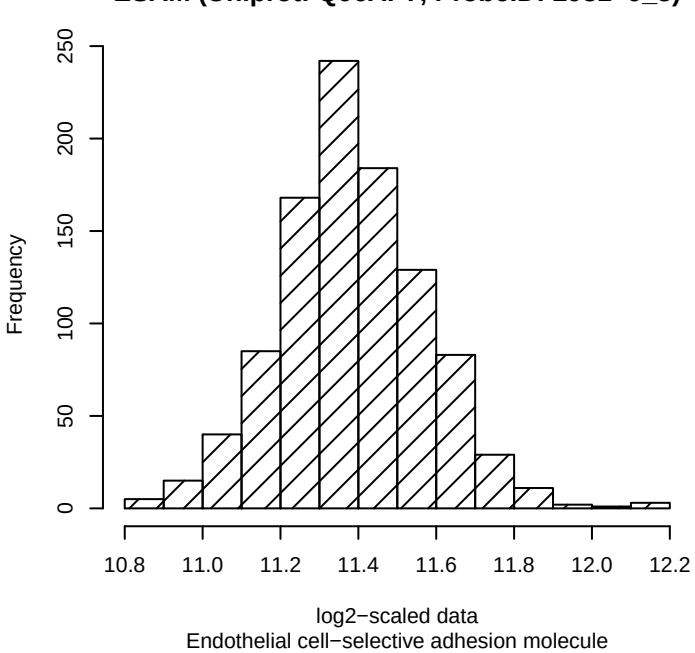

CYTF (Uniprot: O76096, ProbeID: 3302−58_1)
log2−scaled data
9
10
11
12
13
14
15
G/G (956)
G/A (41)
A/A (NA)
rs6050091 (Chr20:24873553)
Locus 405 top sentinel (CIS), p=5.9e−07, FC=1.4265

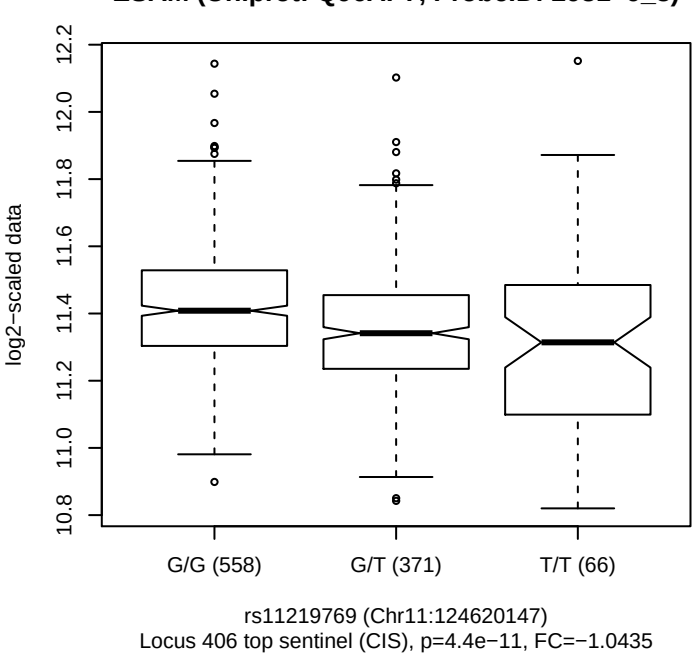

CYTF (Uniprot: O76096, ProbeID: 3302−58_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Cystatin−F

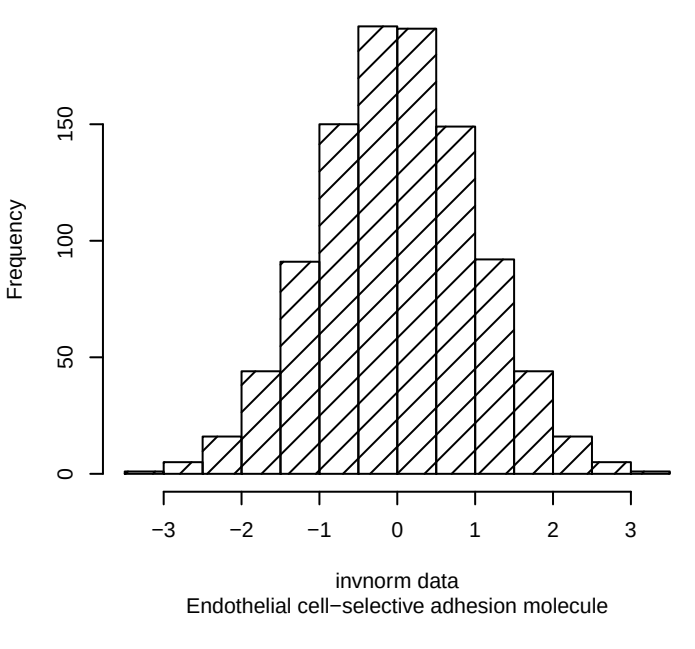

CYTF (Uniprot: O76096, ProbeID: 3302−58_1)
invnorm data
−3
−2
−1
0
1
2
3
G/G (956)
G/A (41)
A/A (NA)
rs6050091 (Chr20:24873553)
Locus 405 top sentinel (CIS), p=7.5e−12

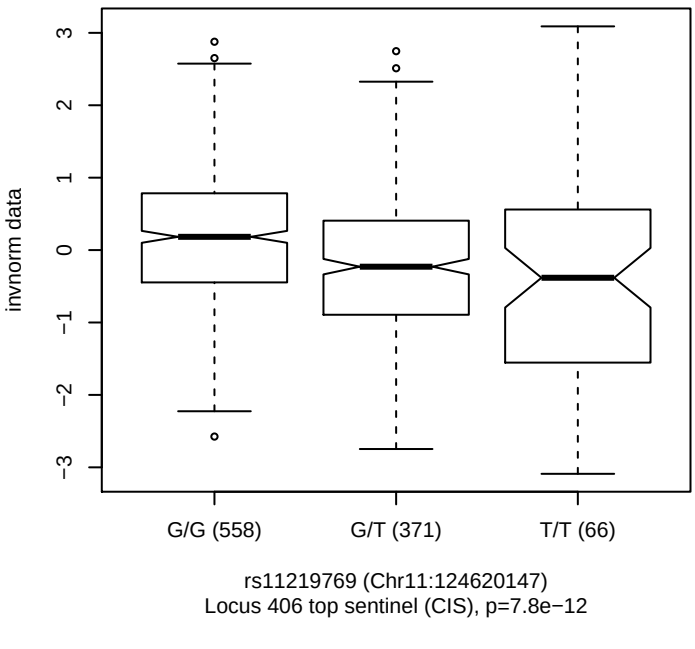

ESAM (Uniprot: Q96AP7, ProbeID: 2981−9_3)
Frequency
0
50
100
150
200
2000
2500
3000
3500
4000
4500
raw data
Endothelial cell−selective adhesion molecule

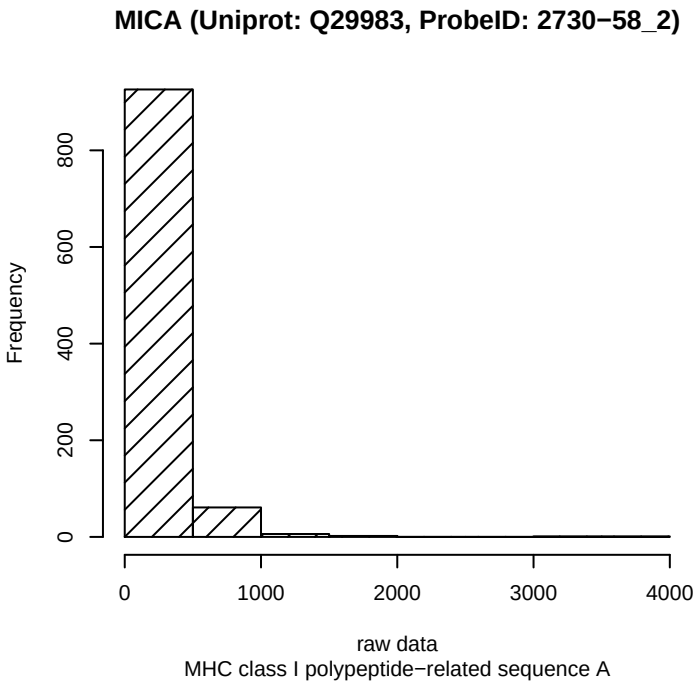

ESAM (Uniprot: Q96AP7, ProbeID: 2981−9_3)
raw data
2000
2500
3000
3500
4000
4500
G/G (558)
G/T (371)
T/T (66)
rs11219769 (Chr11:124620147)
Locus 406 top sentinel (CIS), p=2.4e−09

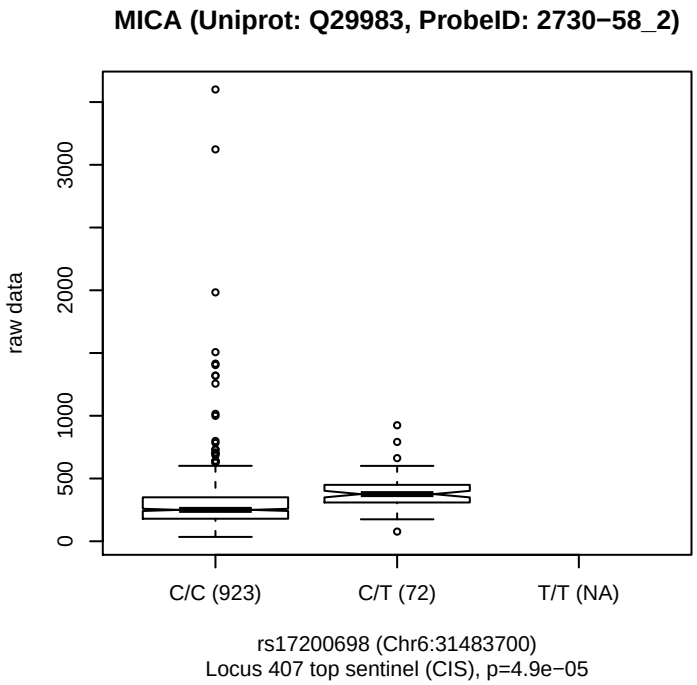

ESAM (Uniprot: Q96AP7, ProbeID: 2981−9_3)
Frequency
0
50
100
150
200
250
10.8
11.0
11.2
11.4
11.6
11.8
12.0
12.2
log2−scaled data
Endothelial cell−selective adhesion molecule

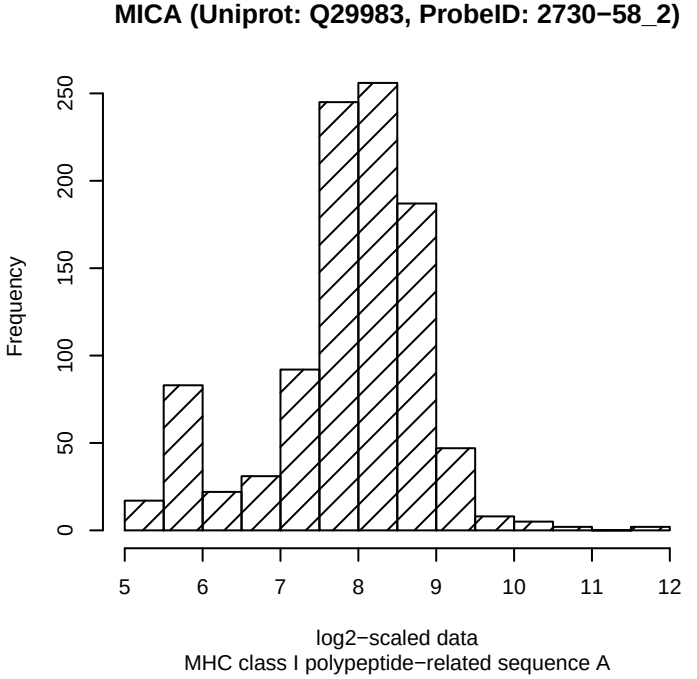

ESAM (Uniprot: Q96AP7, ProbeID: 2981−9_3)
log2−scaled data
10.8
11.0
11.2
11.4
11.6
11.8
12.0
12.2
G/G (558)
G/T (371)
T/T (66)
rs11219769 (Chr11:124620147)
Locus 406 top sentinel (CIS), p=4.4e−11, FC=−1.0435

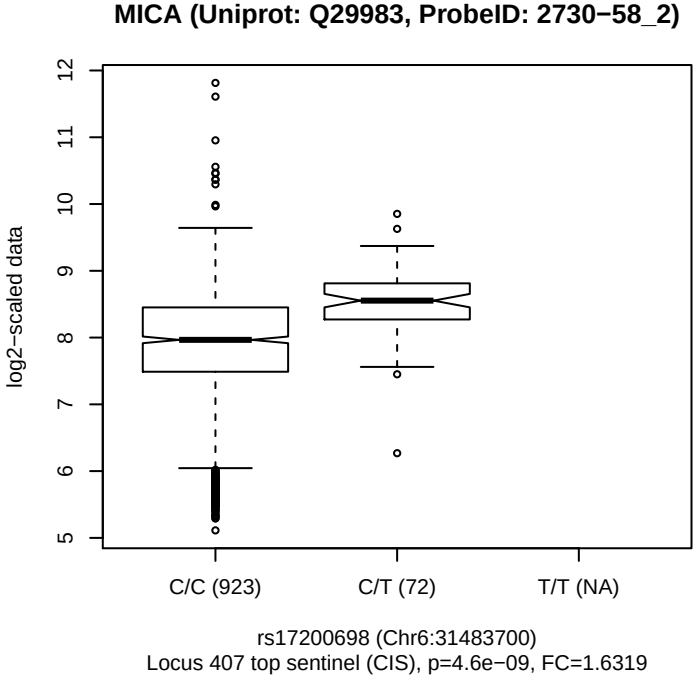

ESAM (Uniprot: Q96AP7, ProbeID: 2981−9_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Endothelial cell−selective adhesion molecule

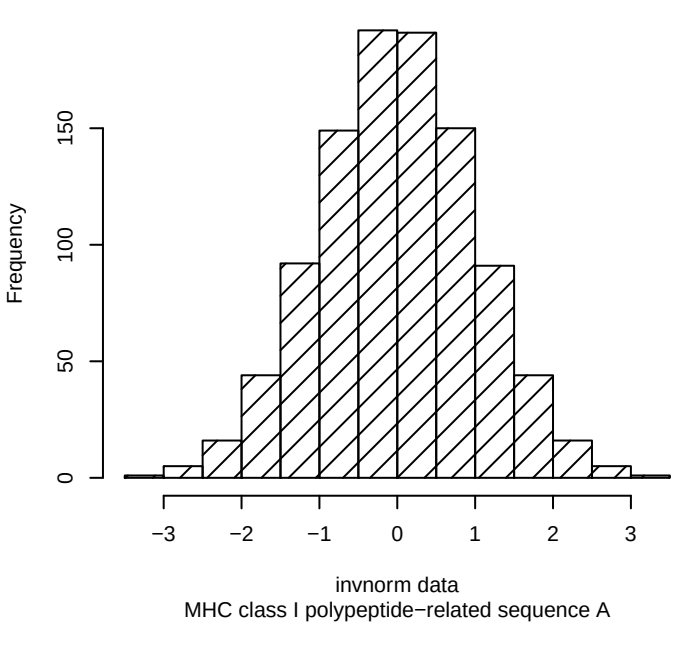

ESAM (Uniprot: Q96AP7, ProbeID: 2981−9_3)
invnorm data
−3
−2
−1
0
1
2
3
G/G (558)
G/T (371)
T/T (66)
rs11219769 (Chr11:124620147)
Locus 406 top sentinel (CIS), p=7.8e−12

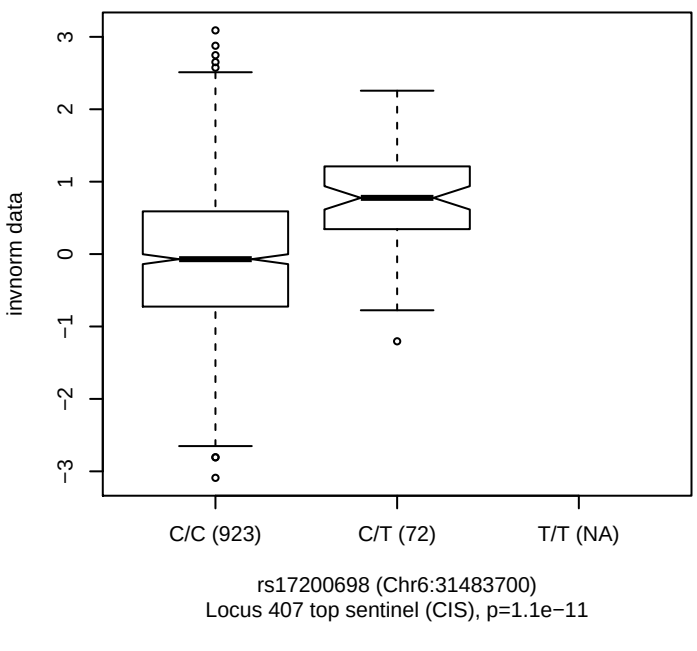

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
200
400
600
800
0
1000
2000
3000
4000
raw data
MHC class I polypeptide−related sequence A

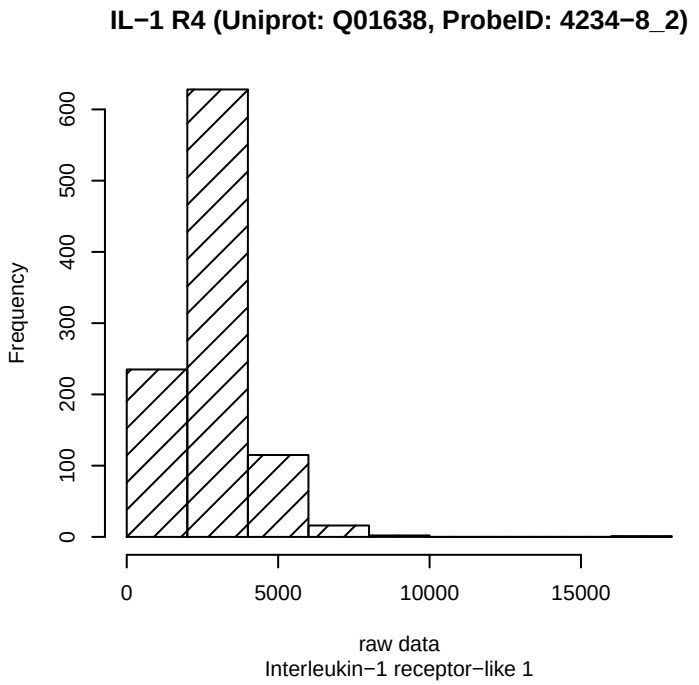

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
raw data
0
500
1000
2000
3000
C/C (923)
C/T (72)
T/T (NA)
rs17200698 (Chr6:31483700)
Locus 407 top sentinel (CIS), p=4.9e−05

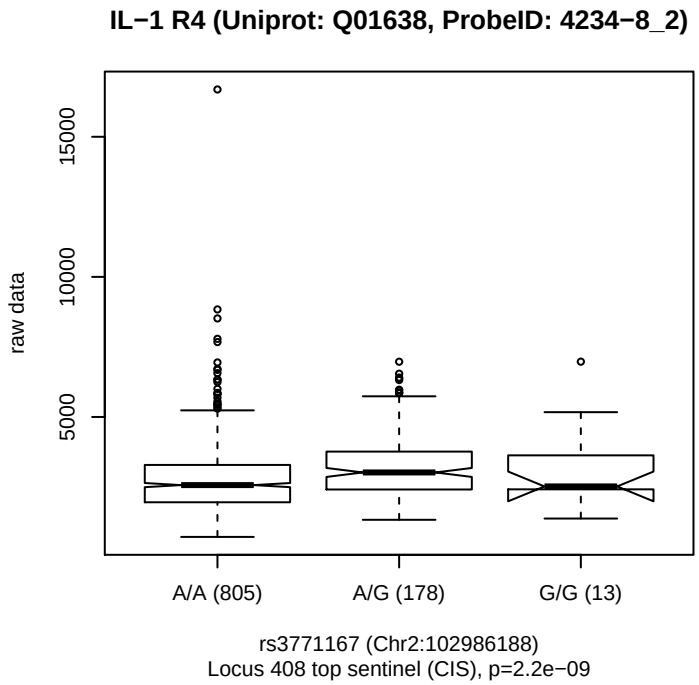

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
200
250
5
6
7
8
9
10
11
12
log2−scaled data
MHC class I polypeptide−related sequence A

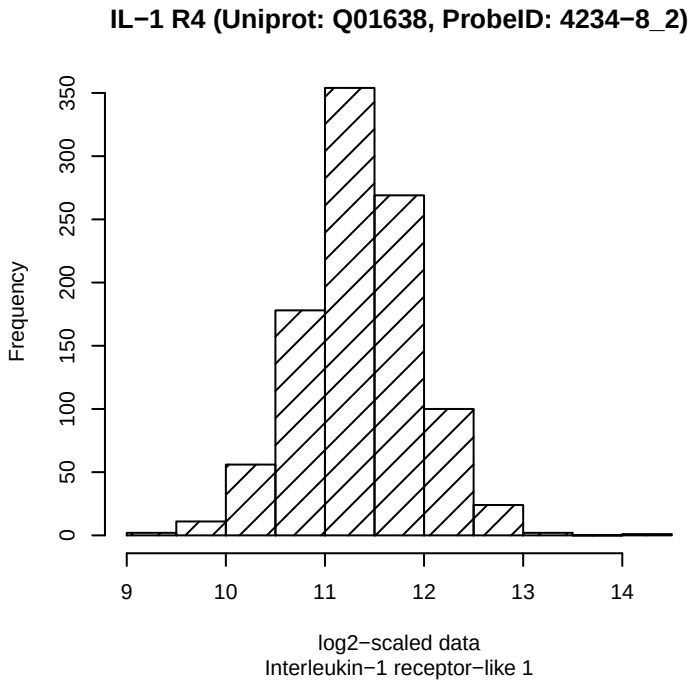

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
log2−scaled data
5
6
7
8
9
10
11
12
C/C (923)
C/T (72)
T/T (NA)
rs17200698 (Chr6:31483700)
Locus 407 top sentinel (CIS), p=4.6e−09, FC=1.6319

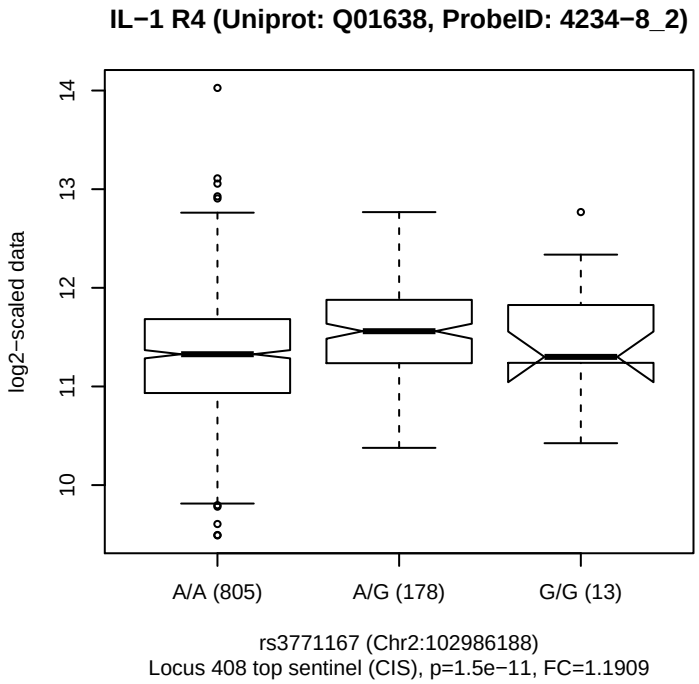

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence A

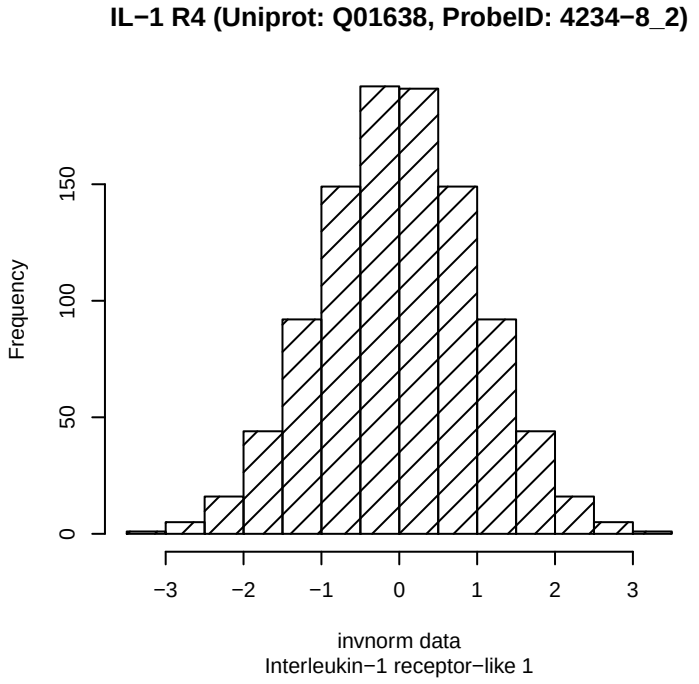

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (923)
C/T (72)
T/T (NA)
rs17200698 (Chr6:31483700)
Locus 407 top sentinel (CIS), p=1.1e−11

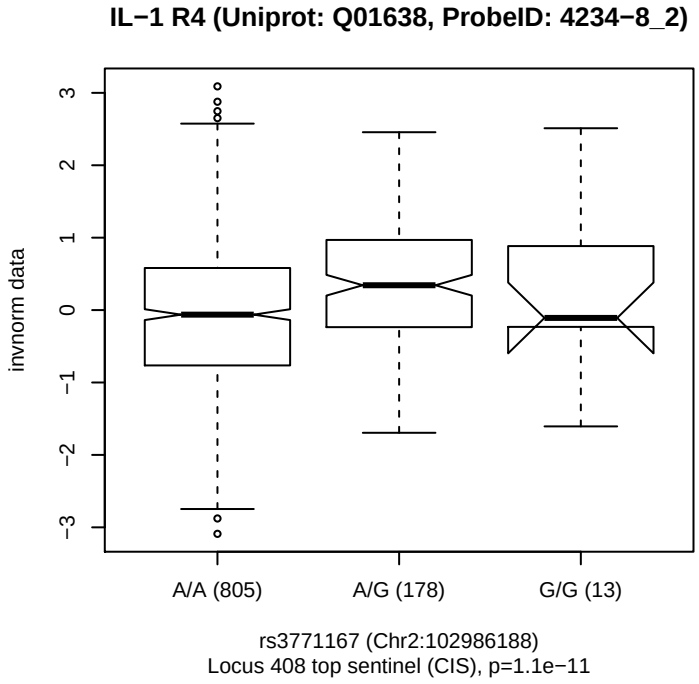

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
Frequency
0
100
200
300
400
500
600
0
5000
10000
15000
raw data
Interleukin−1 receptor−like 1

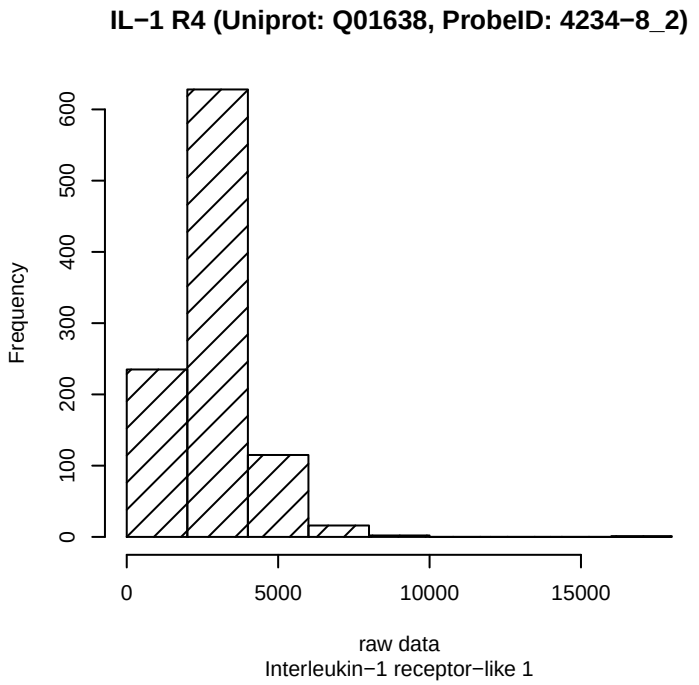

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
raw data
5000
10000
15000
A/A (805)
A/G (178)
G/G (13)
rs3771167 (Chr2:102986188)
Locus 408 top sentinel (CIS), p=2.2e−09

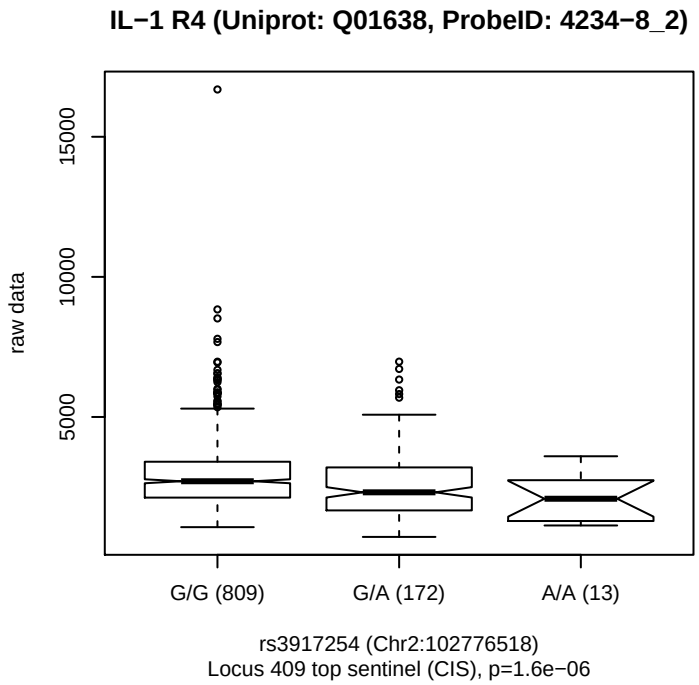

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
Frequency
0
50
100
150
200
250
300
350
9
10
11
12
13
14
log2−scaled data
Interleukin−1 receptor−like 1

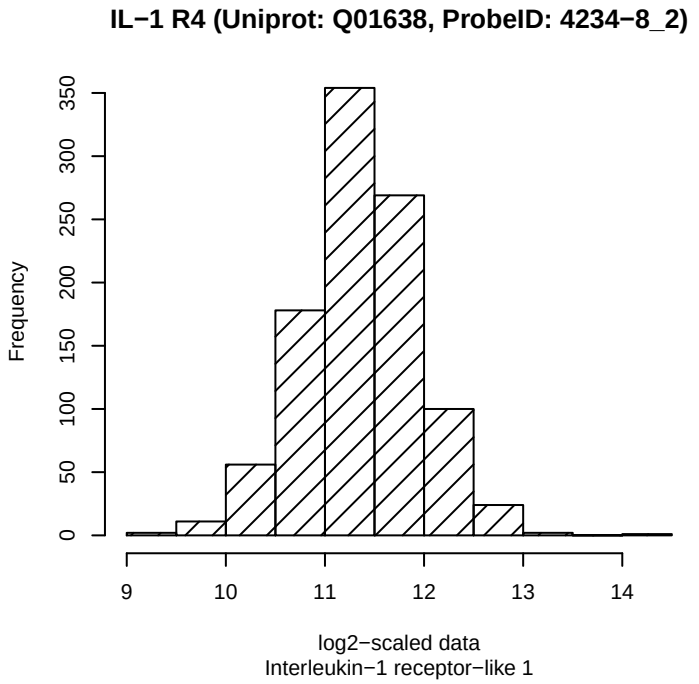

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
log2−scaled data
10
11
12
13
14
A/A (805)
A/G (178)
G/G (13)
rs3771167 (Chr2:102986188)
Locus 408 top sentinel (CIS), p=1.5e−11, FC=1.1909

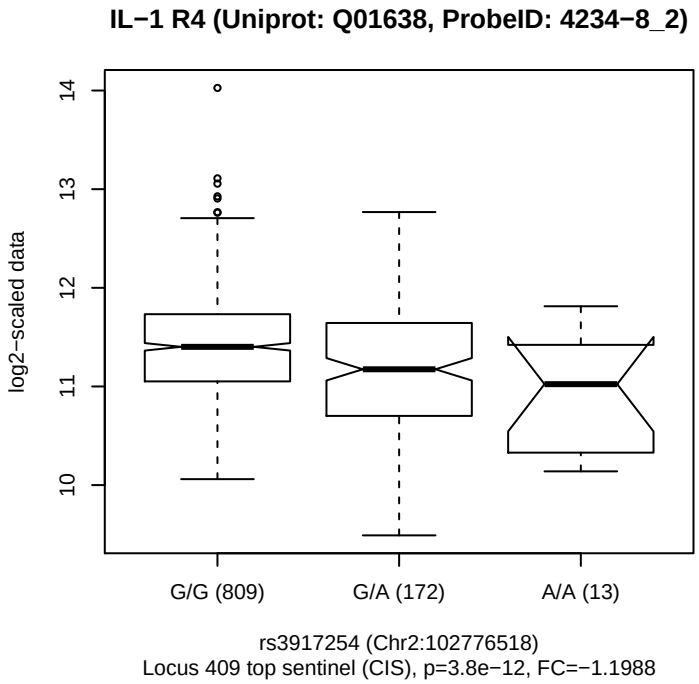

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−1 receptor−like 1

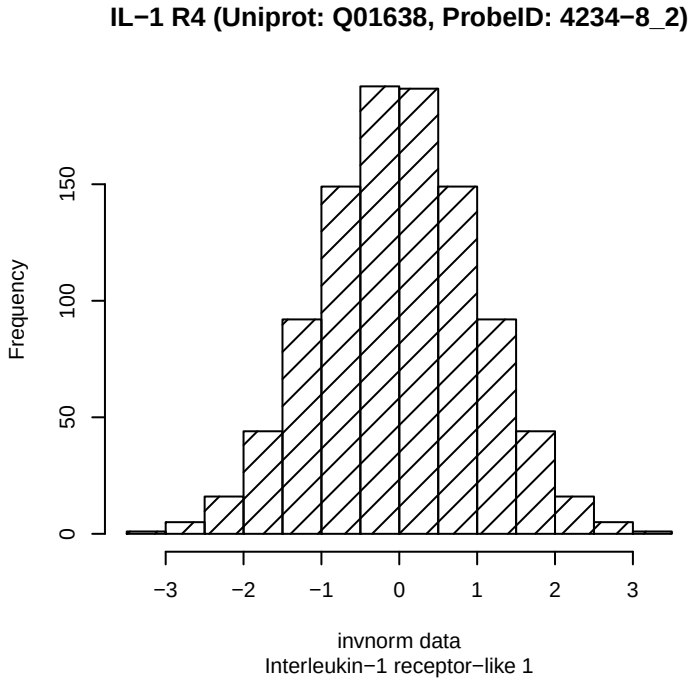

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (805)
A/G (178)
G/G (13)
rs3771167 (Chr2:102986188)
Locus 408 top sentinel (CIS), p=1.1e−11

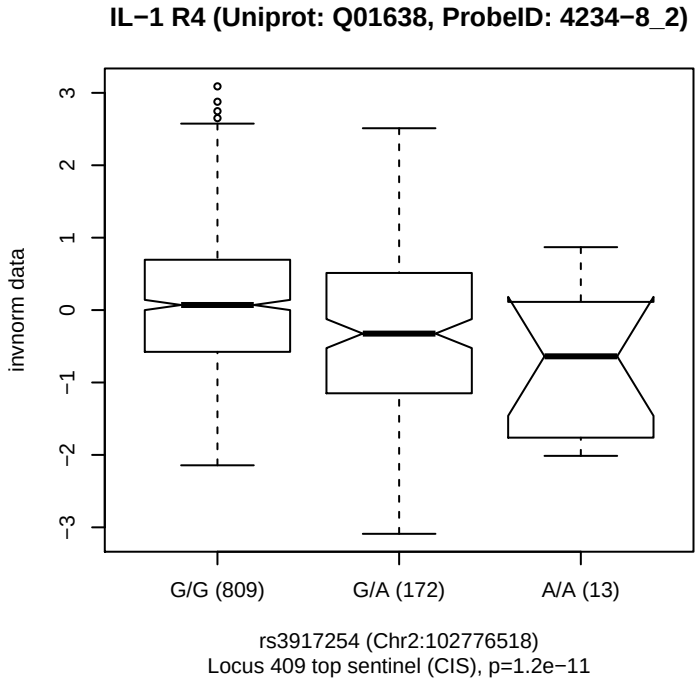

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
Frequency
0
100
200
300
400
500
600
0
5000
10000
15000
raw data
Interleukin−1 receptor−like 1

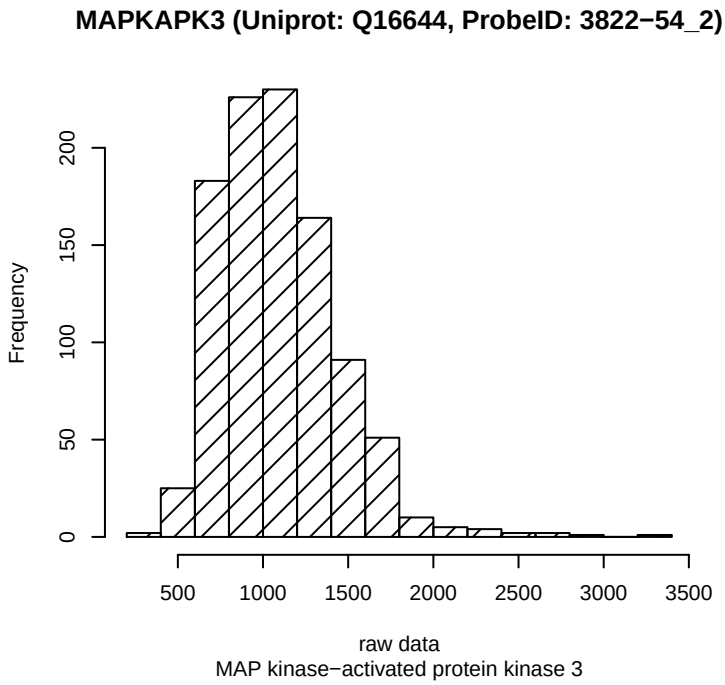

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
raw data
5000
10000
15000
G/G (809)
G/A (172)
A/A (13)
rs3917254 (Chr2:102776518)
Locus 409 top sentinel (CIS), p=1.6e−06

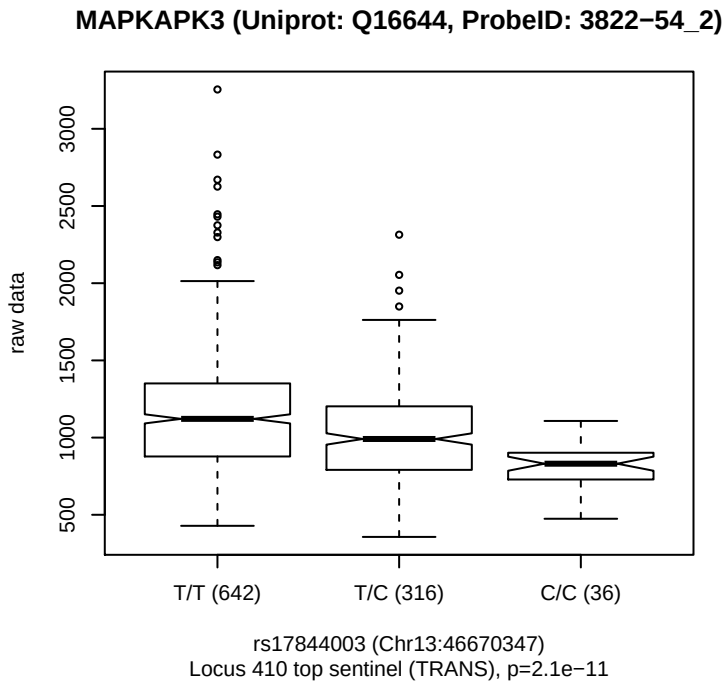

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
Frequency
0
50
100
150
200
250
300
350
9
10
11
12
13
14
log2−scaled data
Interleukin−1 receptor−like 1

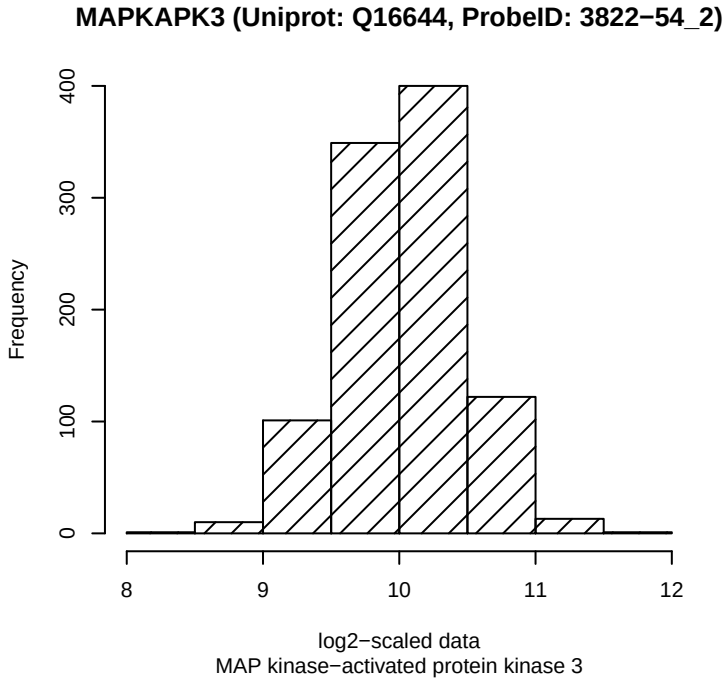

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
log2−scaled data
10
11
12
13
14
G/G (809)
G/A (172)
A/A (13)
rs3917254 (Chr2:102776518)
Locus 409 top sentinel (CIS), p=3.8e−12, FC=−1.1988

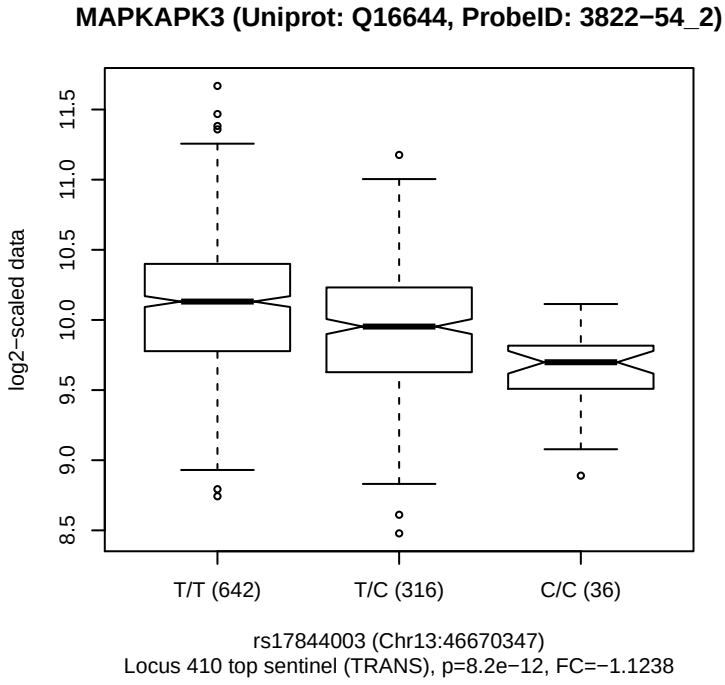

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−1 receptor−like 1

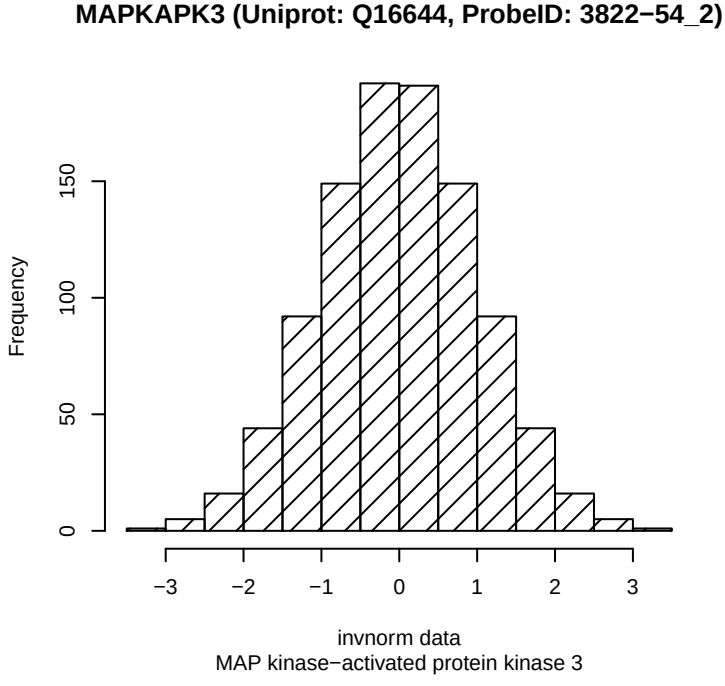

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (809)
G/A (172)
A/A (13)
rs3917254 (Chr2:102776518)
Locus 409 top sentinel (CIS), p=1.2e−11

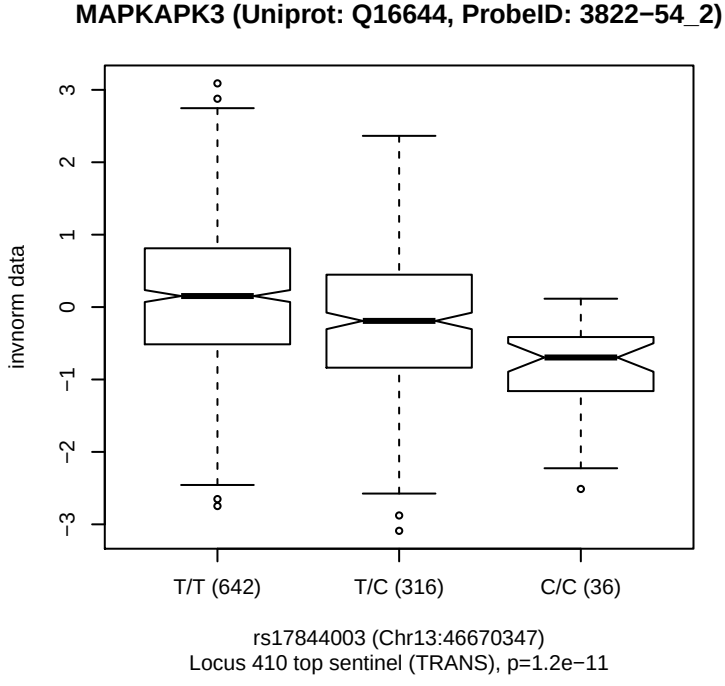

MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)
Frequency
0
50
100
150
200
500
1000
1500
2000
2500
3000
3500
raw data
MAP kinase−activated protein kinase 3


MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)
raw data
500
1000
1500
2000
2500
3000
T/T (642)
T/C (316)
C/C (36)
rs17844003 (Chr13:46670347)
Locus 410 top sentinel (TRANS), p=2.1e−11

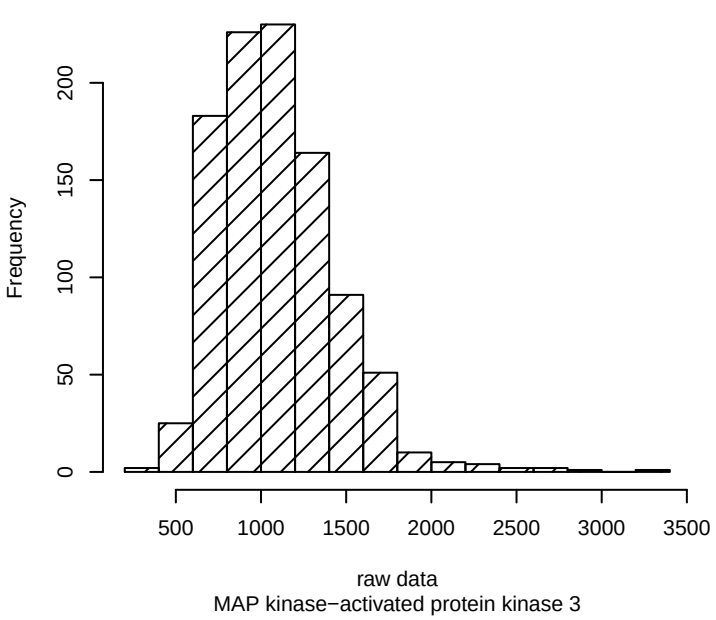

MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)
Frequency
0
100
200
300
400
8
9
10
11
12
log2−scaled data
MAP kinase−activated protein kinase 3


MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)
log2−scaled data
8.5
9.0
9.5
10.0
10.5
11.0
11.5
T/T (642)
T/C (316)
C/C (36)
rs17844003 (Chr13:46670347)
Locus 410 top sentinel (TRANS), p=8.2e−12, FC=−1.1238

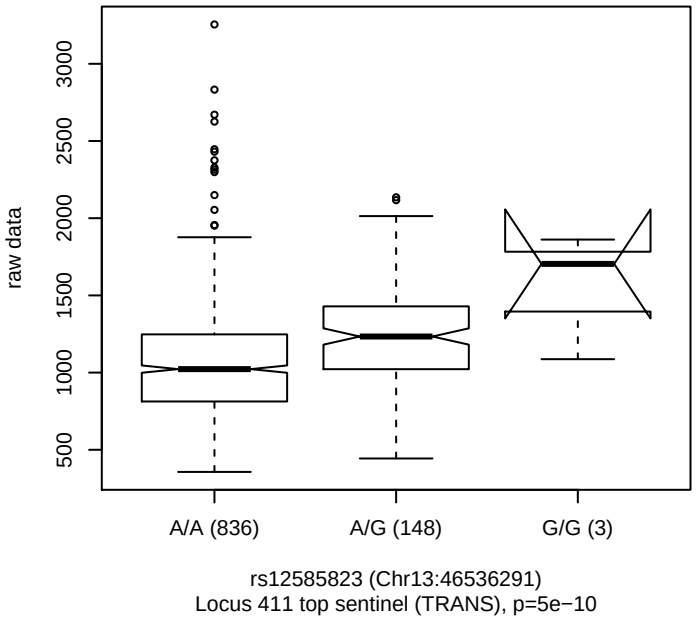

MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
MAP kinase−activated protein kinase 3


MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (642)
T/C (316)
C/C (36)
rs17844003 (Chr13:46670347)
Locus 410 top sentinel (TRANS), p=1.2e−11

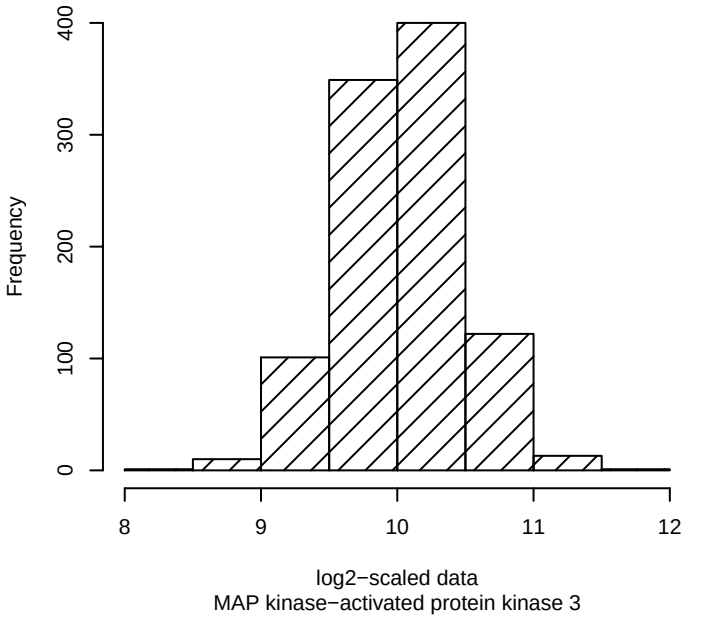
**MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)**



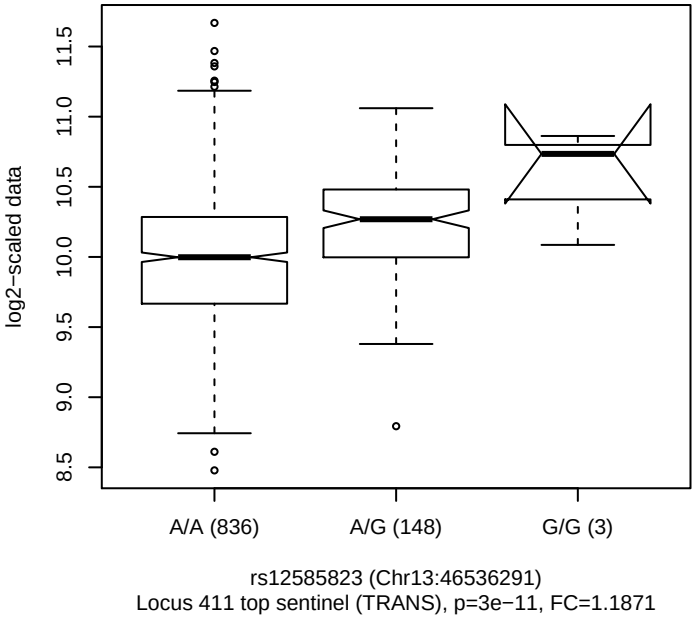

**MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)**



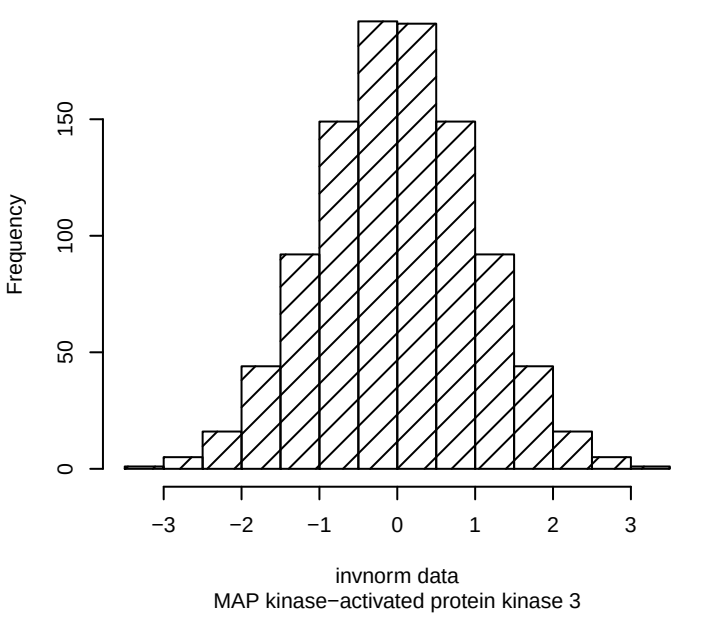

**MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)**



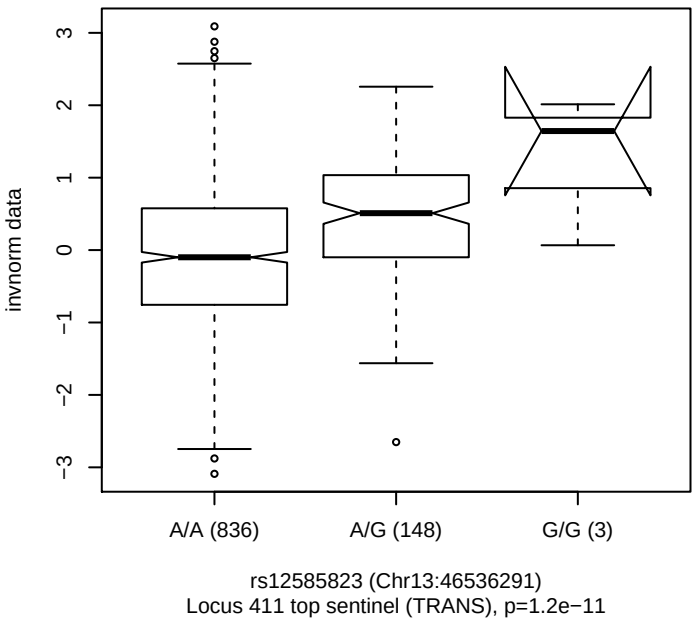

**MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)**



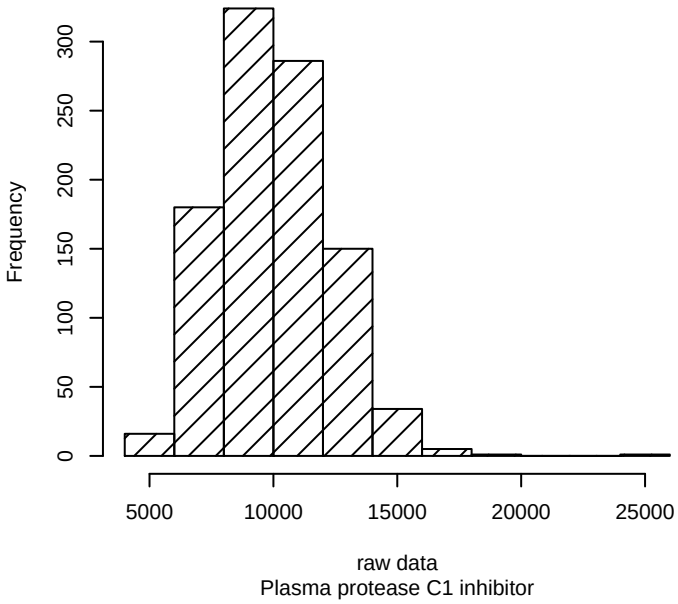

**MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)**



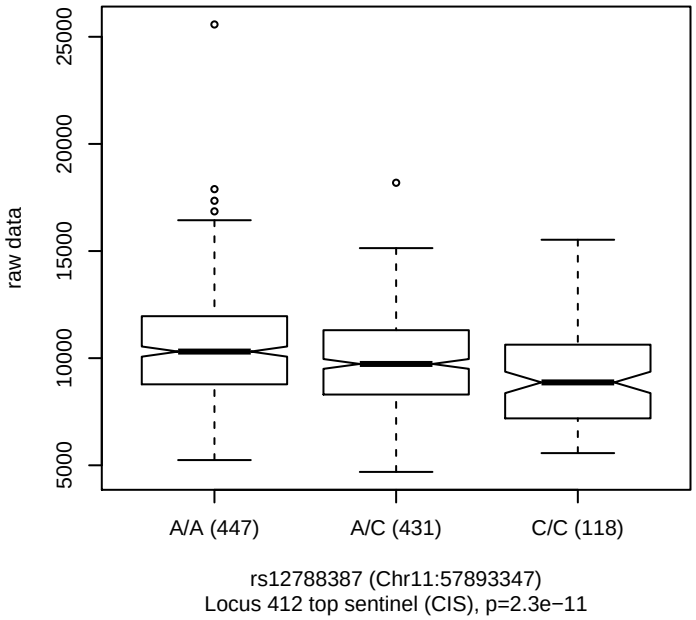

**MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)**



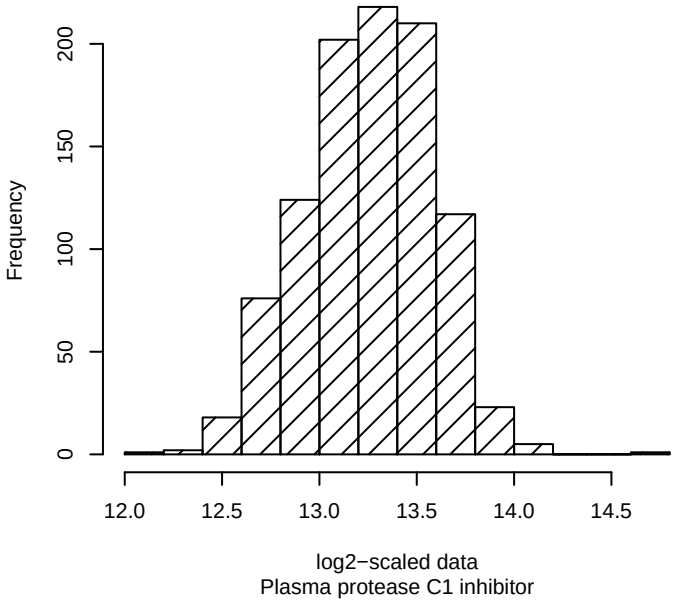
**C1−Esterase Inhibitor (Uniprot: P05155, ProbeID: 4479−14**



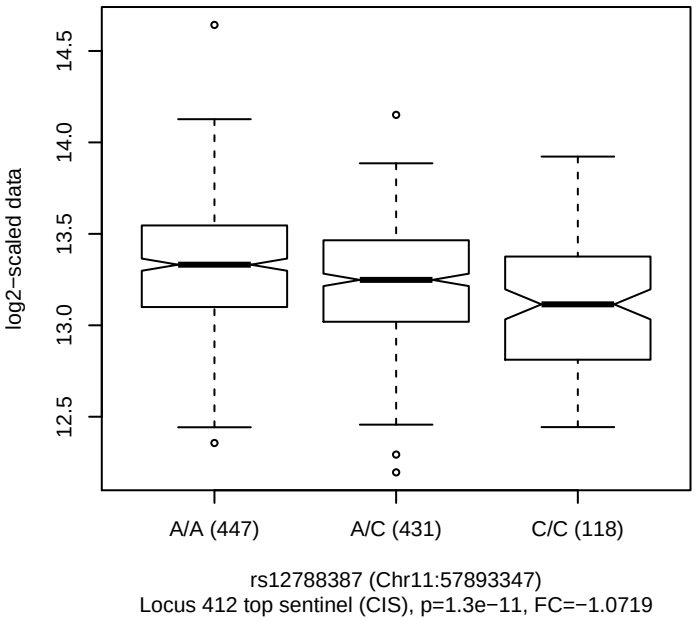

**C1−Esterase Inhibitor (Uniprot: P05155, ProbeID: 4479−14**



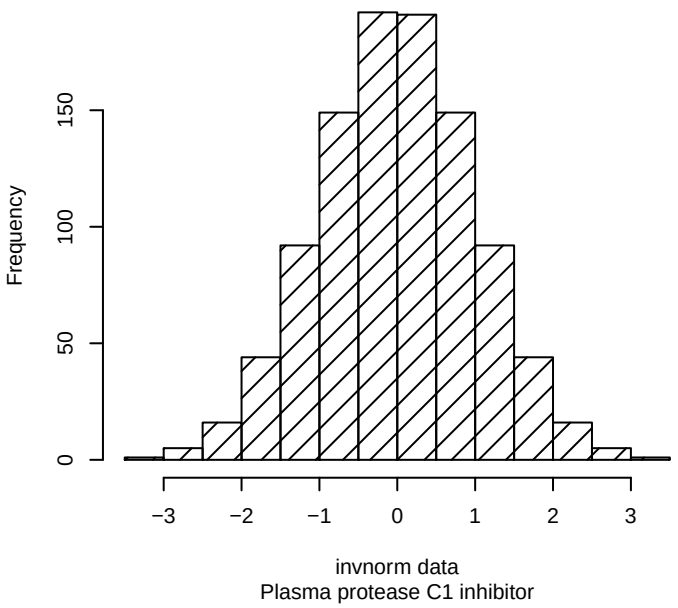

**C1−Esterase Inhibitor (Uniprot: P05155, ProbeID: 4479−14**



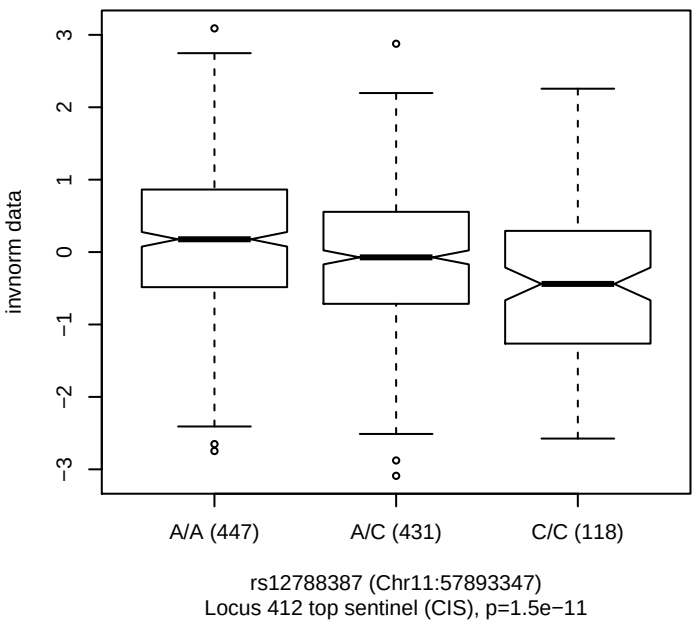

**C1−Esterase Inhibitor (Uniprot: P05155, ProbeID: 4479−14**



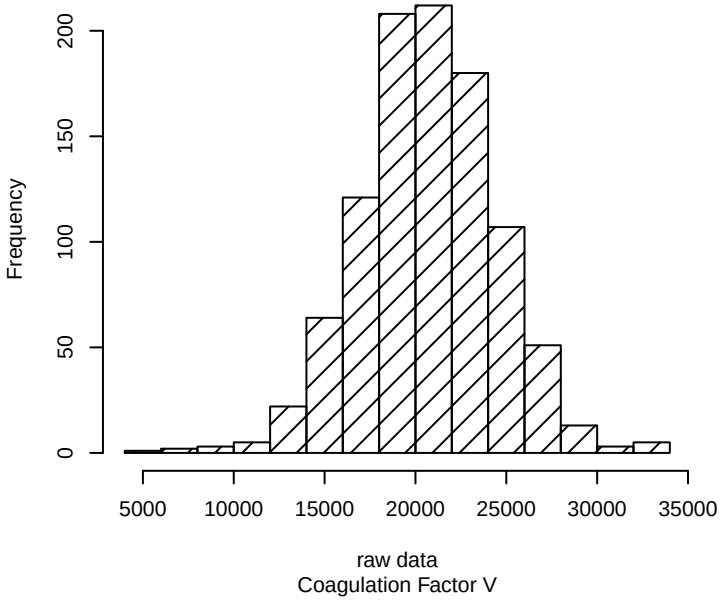

**C1−Esterase Inhibitor (Uniprot: P05155, ProbeID: 4479−14**



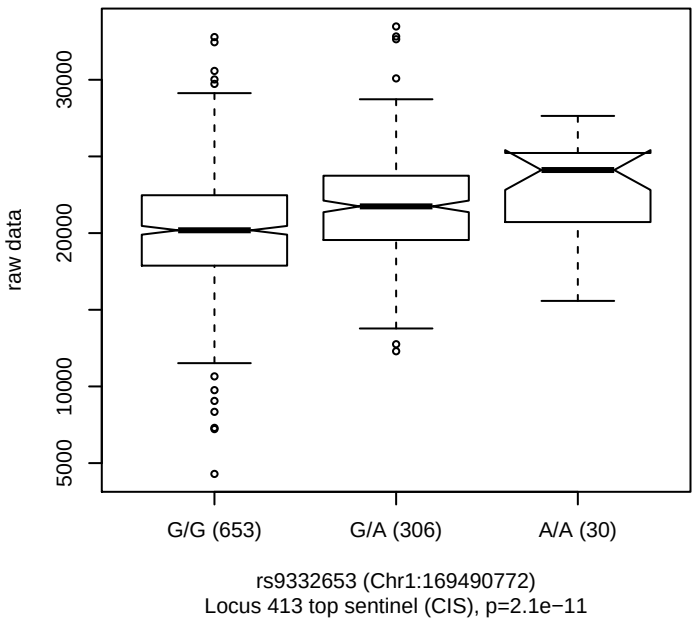

**C1−Esterase Inhibitor (Uniprot: P05155, ProbeID: 4479−14**



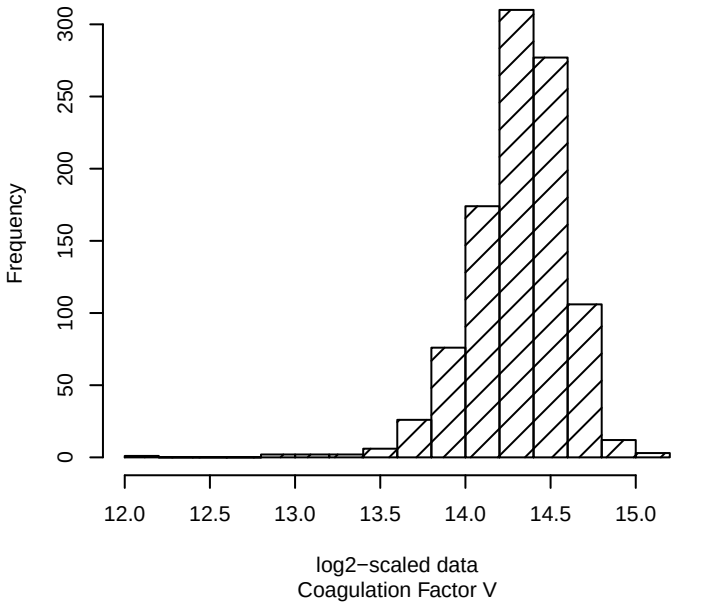
**Coagulation Factor V (Uniprot: P12259, ProbeID: 4906−35_**



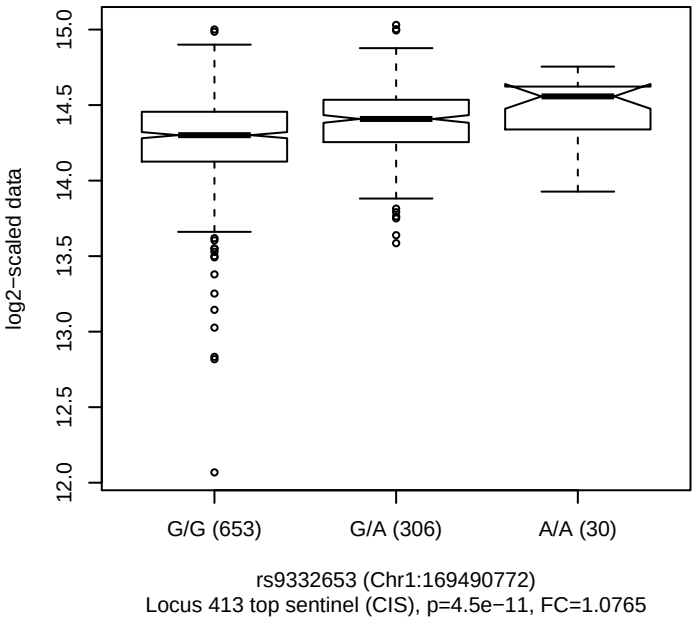

**Coagulation Factor V (Uniprot: P12259, ProbeID: 4906−35_**



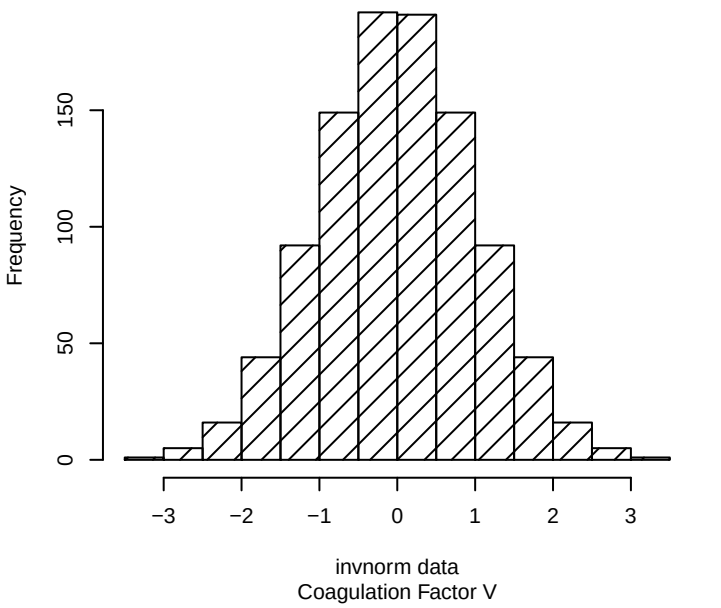

**Coagulation Factor V (Uniprot: P12259, ProbeID: 4906−35_**



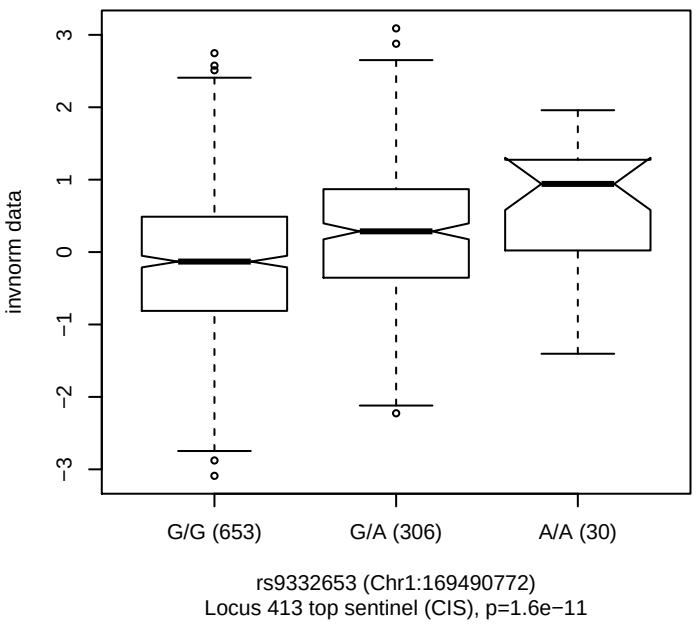

**Coagulation Factor V (Uniprot: P12259, ProbeID: 4906−35_**

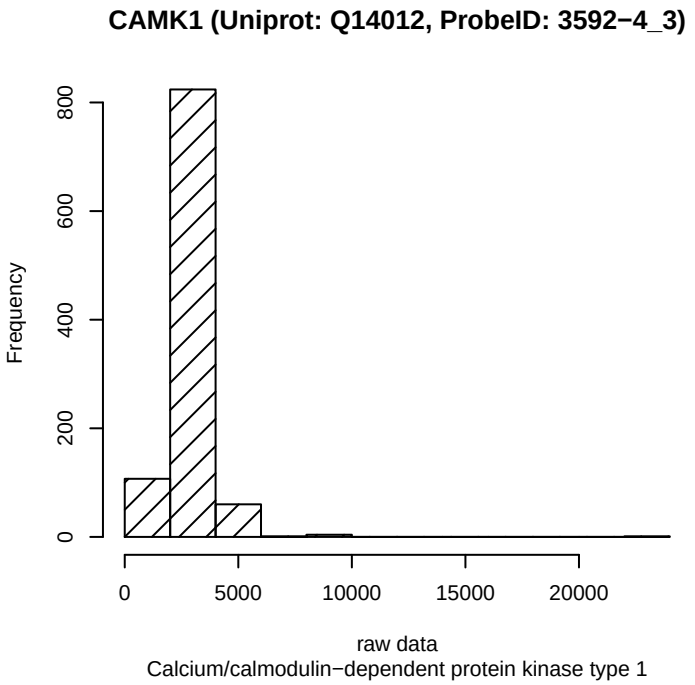


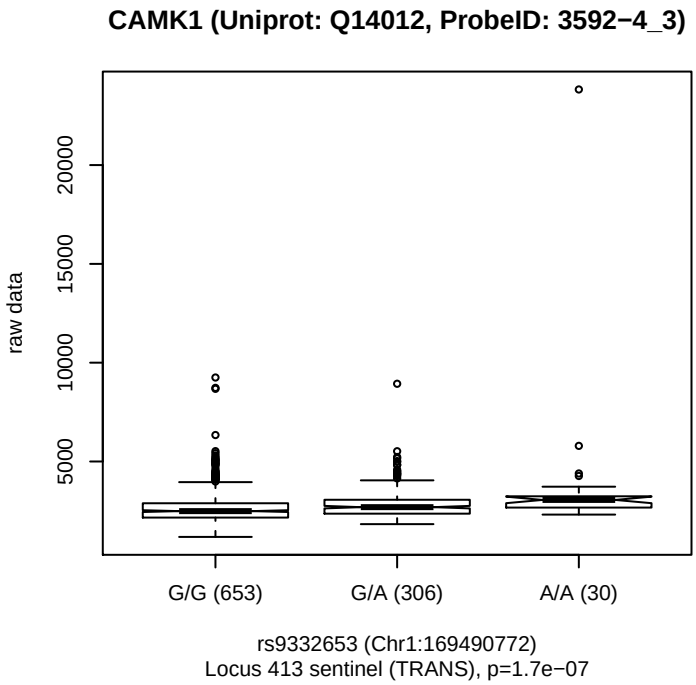

**Coagulation Factor V (Uniprot: P12259, ProbeID: 4906−35_**

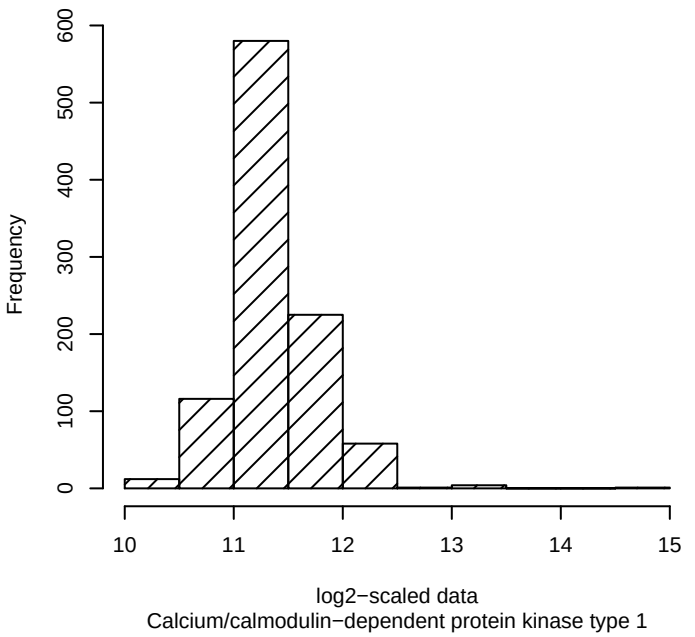


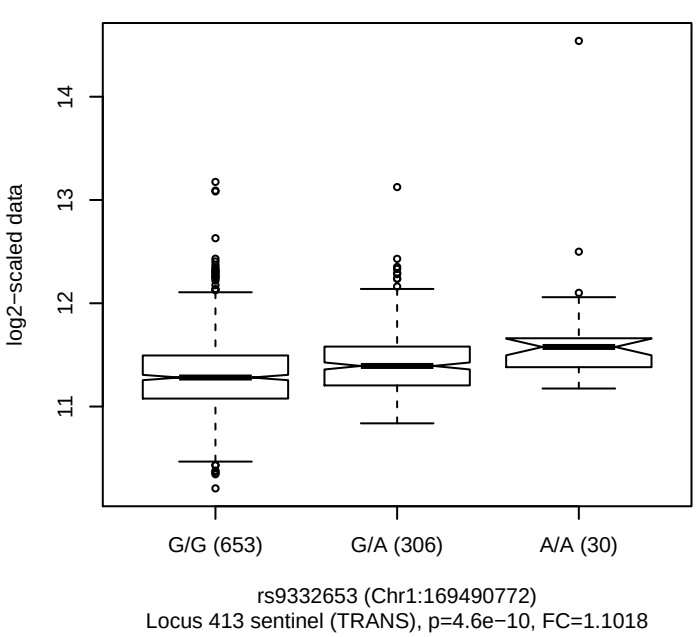

**Coagulation Factor V (Uniprot: P12259, ProbeID: 4906−35_**

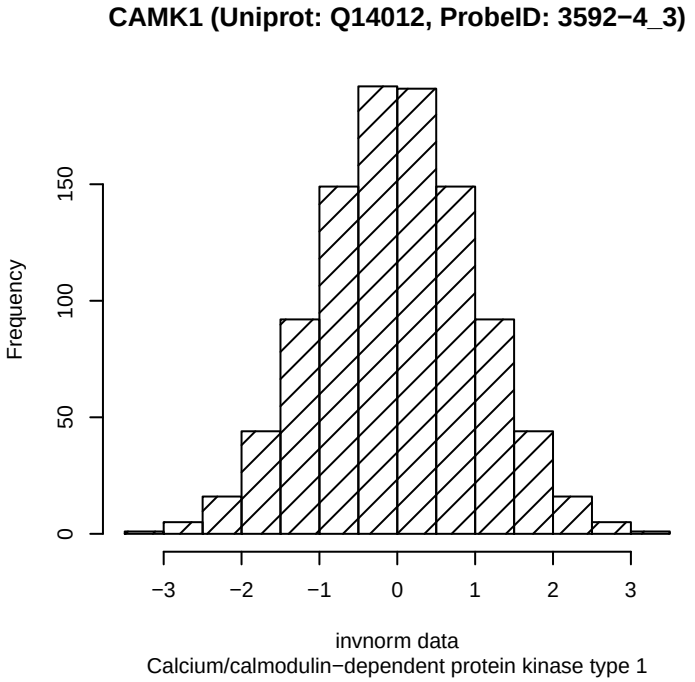


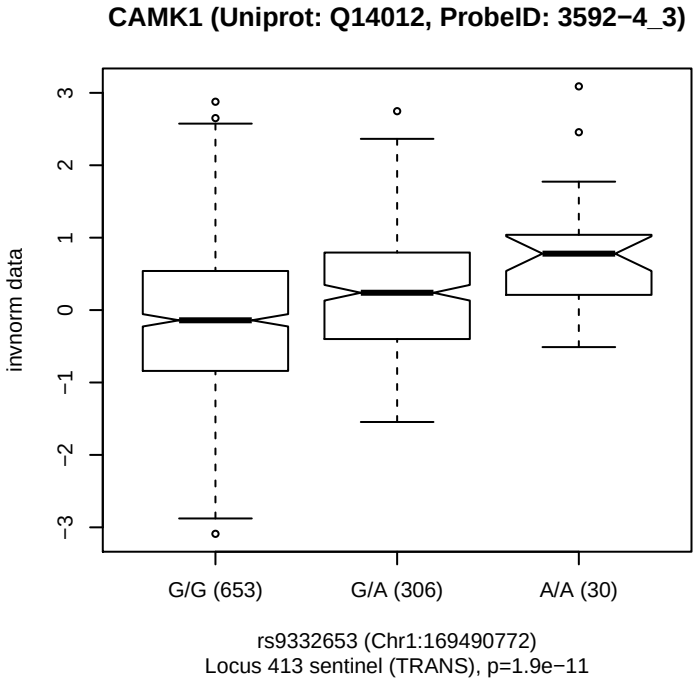

CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)
Frequency
0
200
400
600
800
0
5000
10000
15000
20000
raw data
Calcium/calmodulin−dependent protein kinase type 1

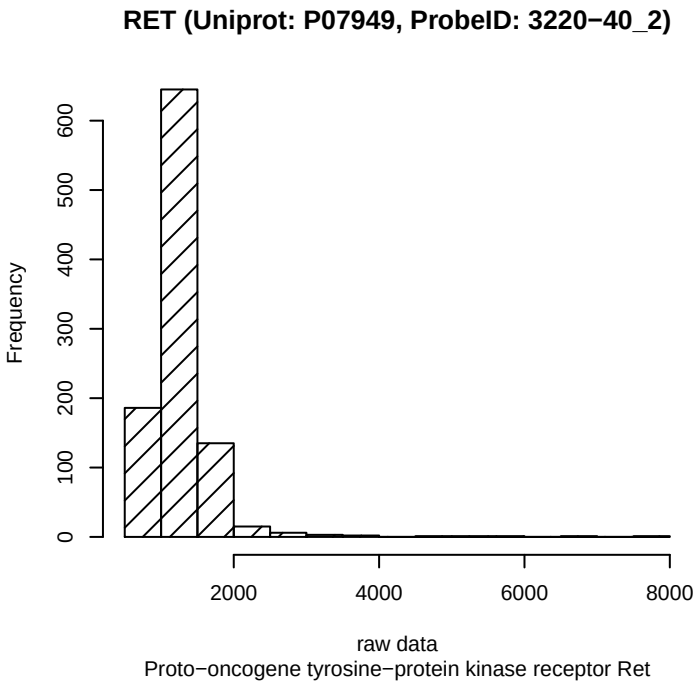

CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)
raw data
5000
10000
15000
20000
G/G (653)
G/A (306)
A/A (30)
rs9332653 (Chr1:169490772)
Locus 413 sentinel (TRANS), p=1.7e−07

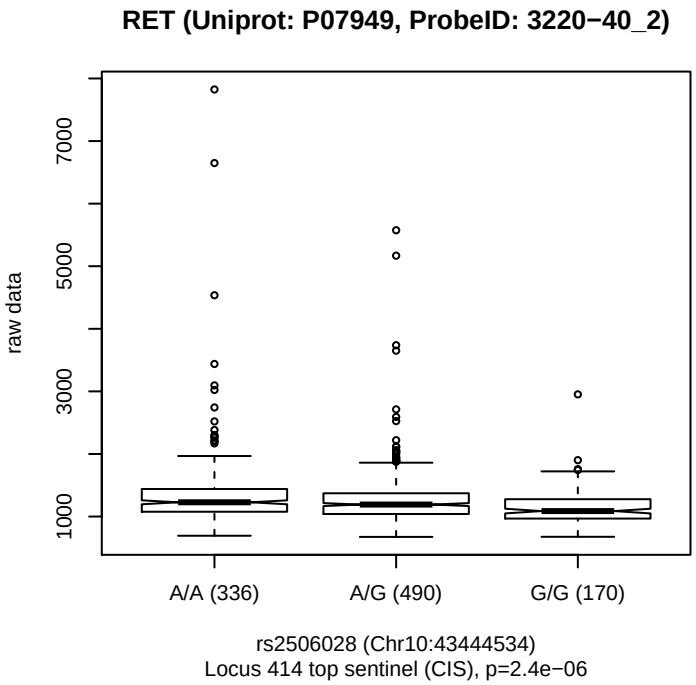

CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)
Frequency
0
100
200
300
400
500
600
10
11
12
13
14
15
log2−scaled data
Calcium/calmodulin−dependent protein kinase type 1

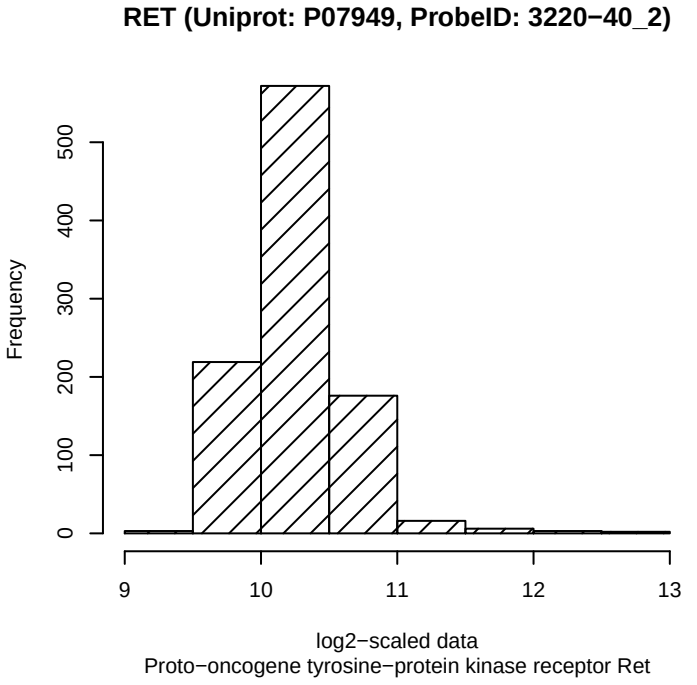

CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)
log2−scaled data
11
12
13
14
G/G (653)
G/A (306)
A/A (30)
rs9332653 (Chr1:169490772)
Locus 413 sentinel (TRANS), p=4.6e−10, FC=1.1018

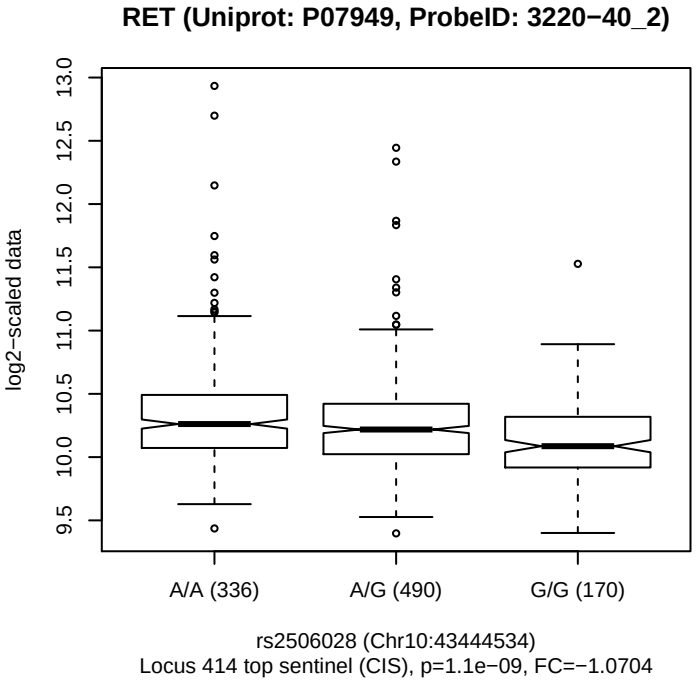

CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Calcium/calmodulin−dependent protein kinase type 1

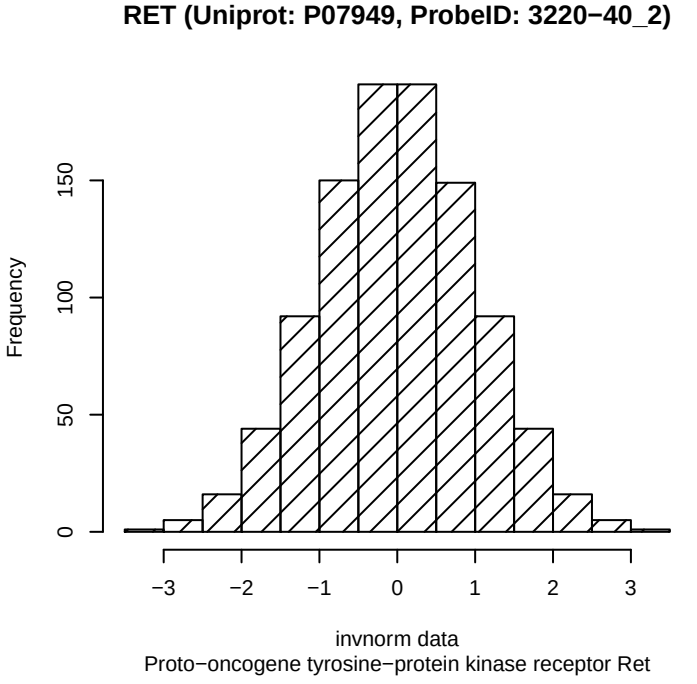

CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)
invnorm data
−3
−2
−1
0
1
2
3
G/G (653)
G/A (306)
A/A (30)
rs9332653 (Chr1:169490772)
Locus 413 sentinel (TRANS), p=1.9e−11

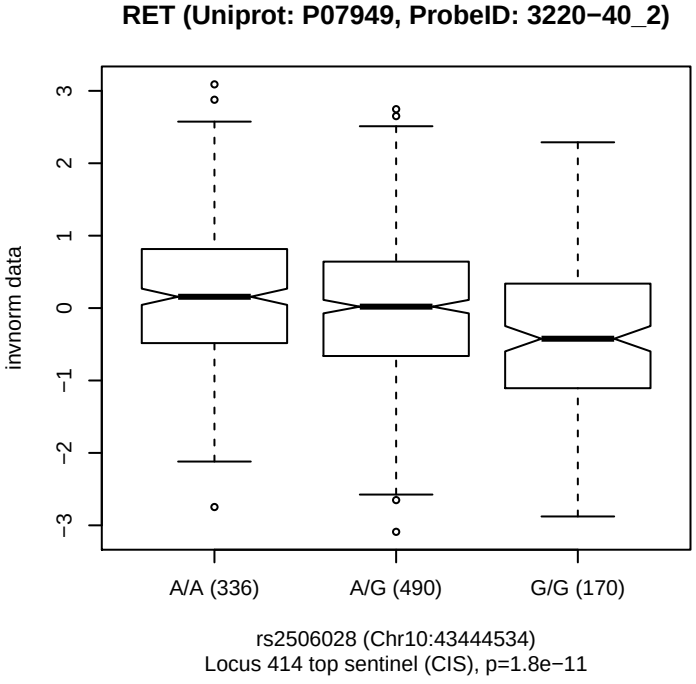

RET (Uniprot: P07949, ProbeID: 3220−40_2)
Frequency
0
100
200
300
400
500
600
2000
4000
6000
8000
raw data
Proto−oncogene tyrosine−protein kinase receptor Ret

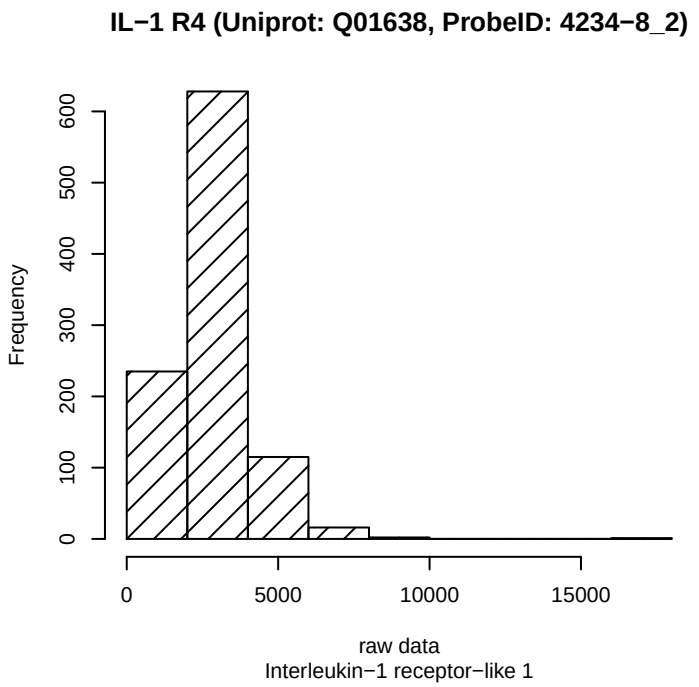

RET (Uniprot: P07949, ProbeID: 3220−40_2)
raw data
1000
3000
5000
7000
A/A (336)
A/G (490)
G/G (170)
rs2506028 (Chr10:43444534)
Locus 414 top sentinel (CIS), p=2.4e−06

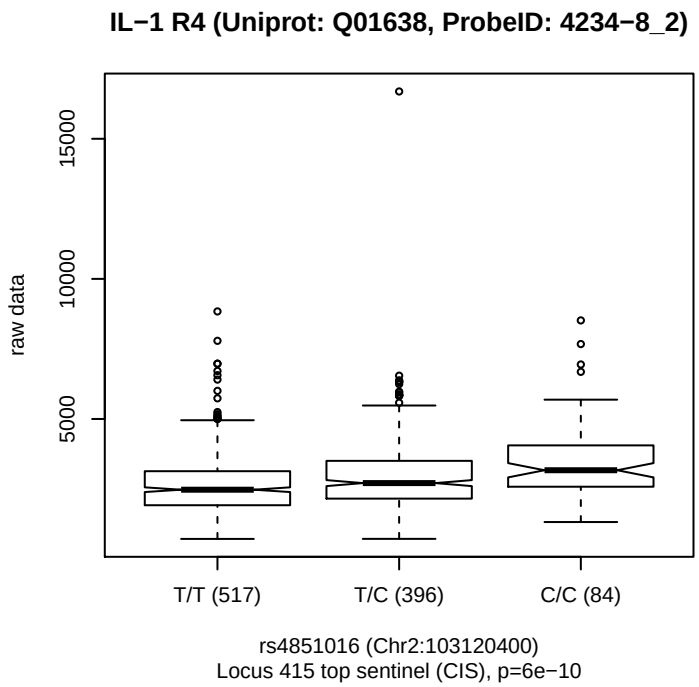

RET (Uniprot: P07949, ProbeID: 3220−40_2)
Frequency
0
100
200
300
400
500
9
10
11
12
13
log2−scaled data
Proto−oncogene tyrosine−protein kinase receptor Ret

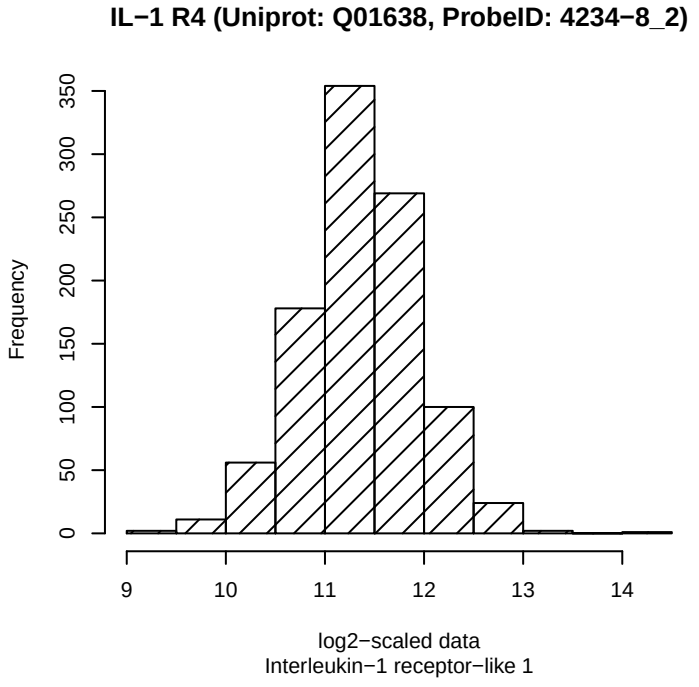

RET (Uniprot: P07949, ProbeID: 3220−40_2)
log2−scaled data
9.5
10.0
10.5
11.0
11.5
12.0
12.5
13.0
A/A (336)
A/G (490)
G/G (170)
rs2506028 (Chr10:43444534)
Locus 414 top sentinel (CIS), p=1.1e−09, FC=−1.0704

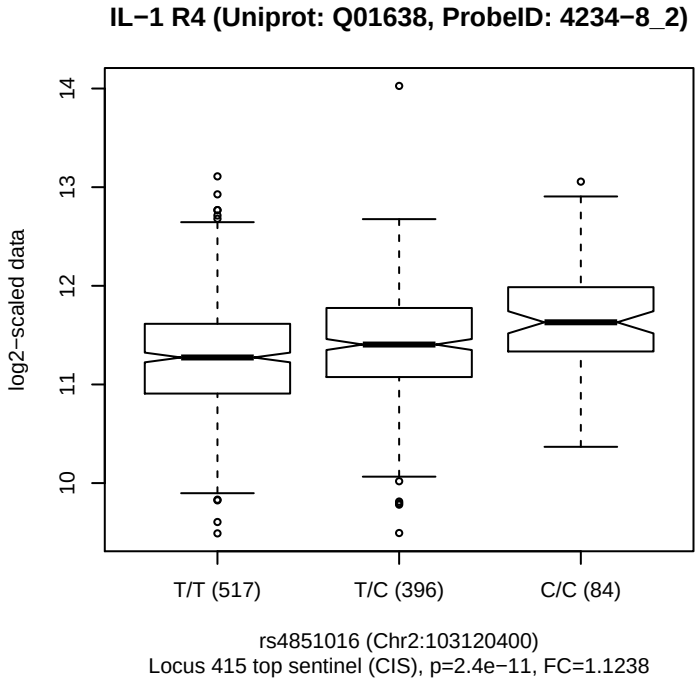

RET (Uniprot: P07949, ProbeID: 3220−40_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Proto−oncogene tyrosine−protein kinase receptor Ret

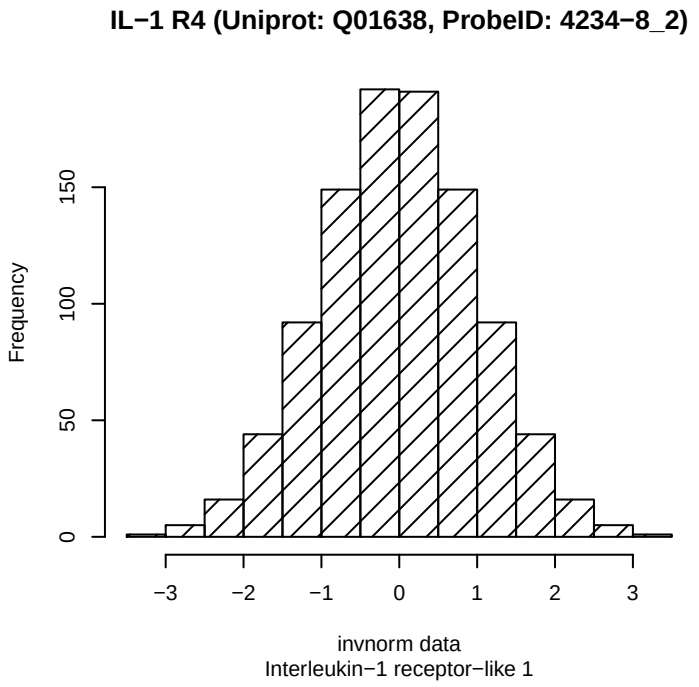

RET (Uniprot: P07949, ProbeID: 3220−40_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (336)
A/G (490)
G/G (170)
rs2506028 (Chr10:43444534)
Locus 414 top sentinel (CIS), p=1.8e−11

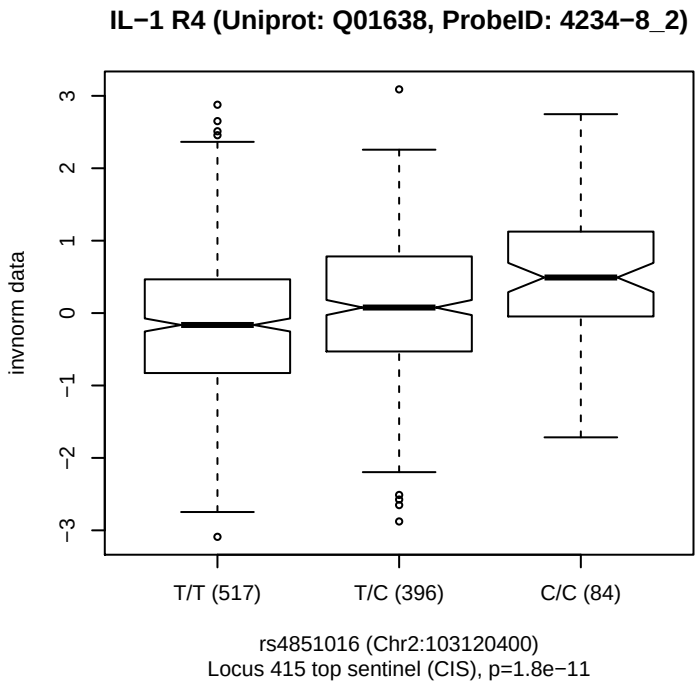

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
Frequency
0
100
200
300
400
500
600
0
5000
10000
15000
raw data
Interleukin−1 receptor−like 1

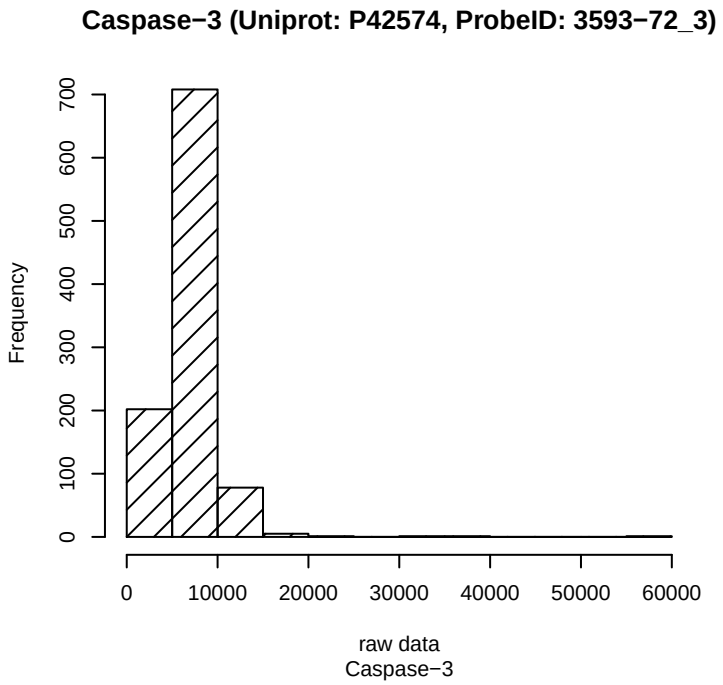

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
raw data
5000
10000
15000
T/T (517)
T/C (396)
C/C (84)
rs4851016 (Chr2:103120400)
Locus 415 top sentinel (CIS), p=6e−10

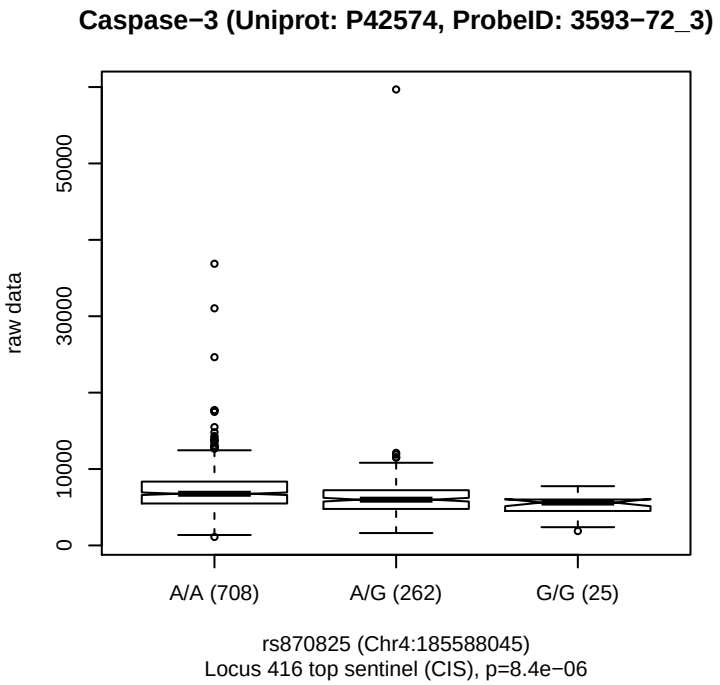

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
Frequency
0
50
100
150
200
250
300
350
9
10
11
12
13
14
log2−scaled data
Interleukin−1 receptor−like 1

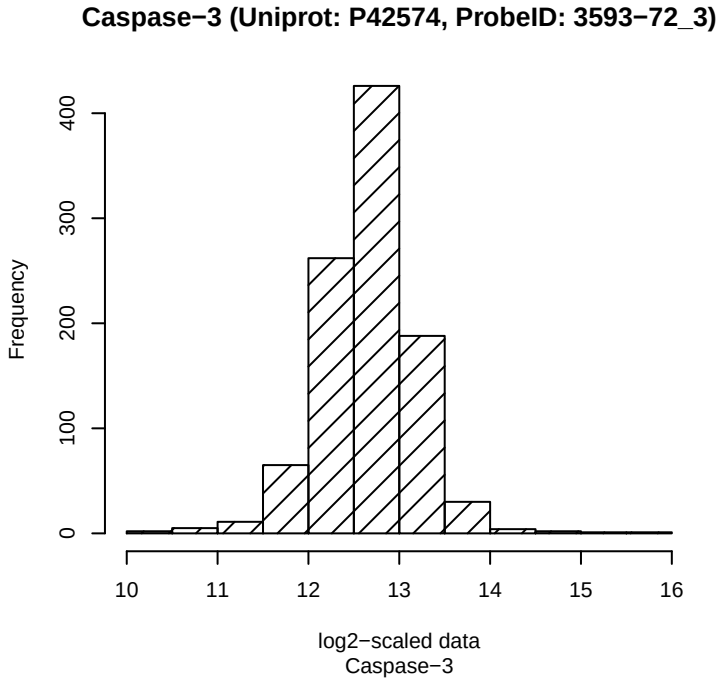

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
log2−scaled data
10
11
12
13
14
T/T (517)
T/C (396)
C/C (84)
rs4851016 (Chr2:103120400)
Locus 415 top sentinel (CIS), p=2.4e−11, FC=1.1238

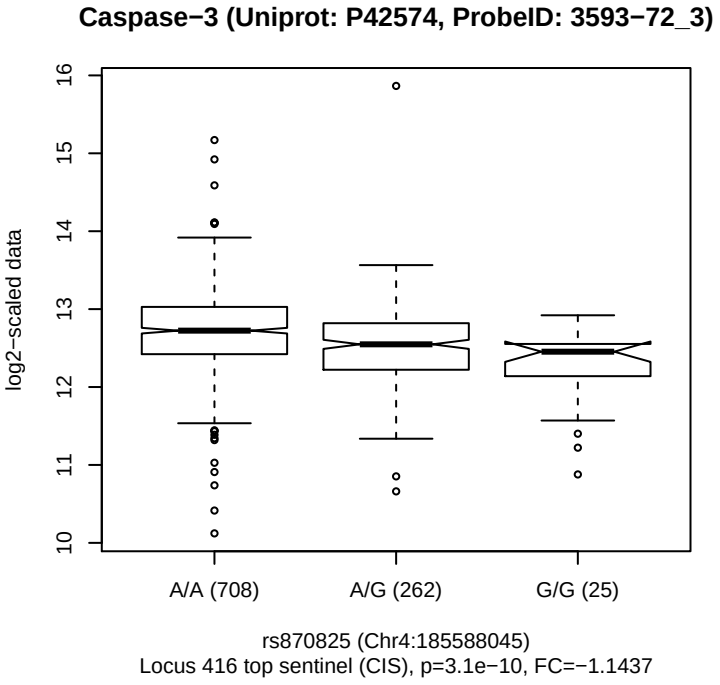

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−1 receptor−like 1

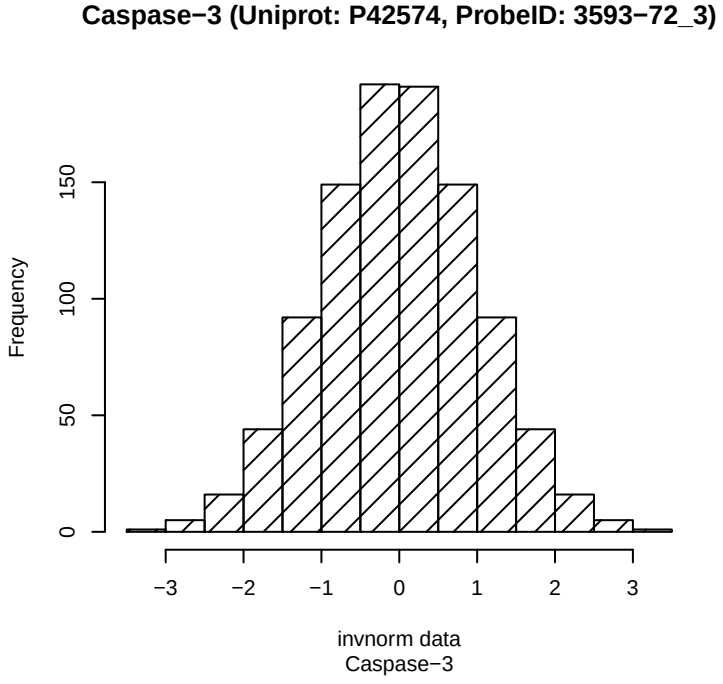

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (517)
T/C (396)
C/C (84)
rs4851016 (Chr2:103120400)
Locus 415 top sentinel (CIS), p=1.8e−11

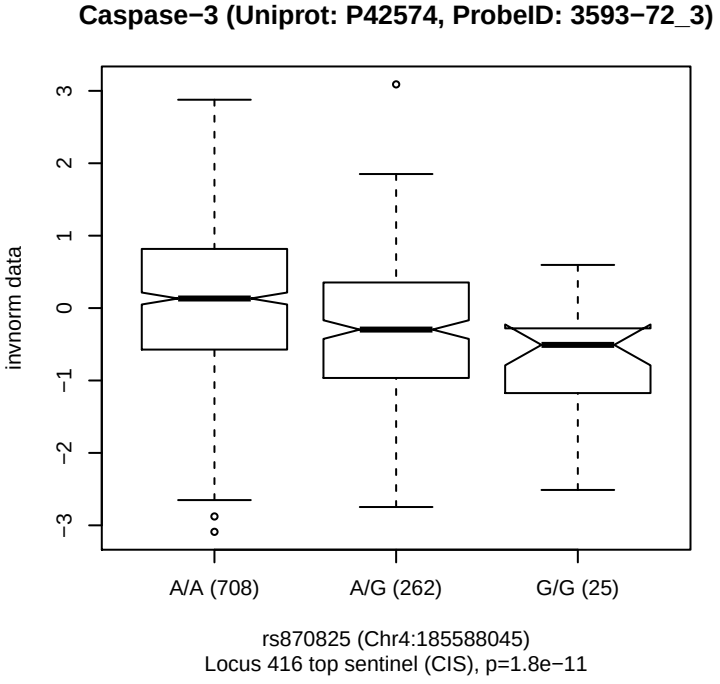

Caspase−3 (Uniprot: P42574, ProbeID: 3593−72_3)
Frequency
0
100
200
300
400
500
600
700
0
10000
20000
30000
40000
50000
60000
raw data
Caspase−3

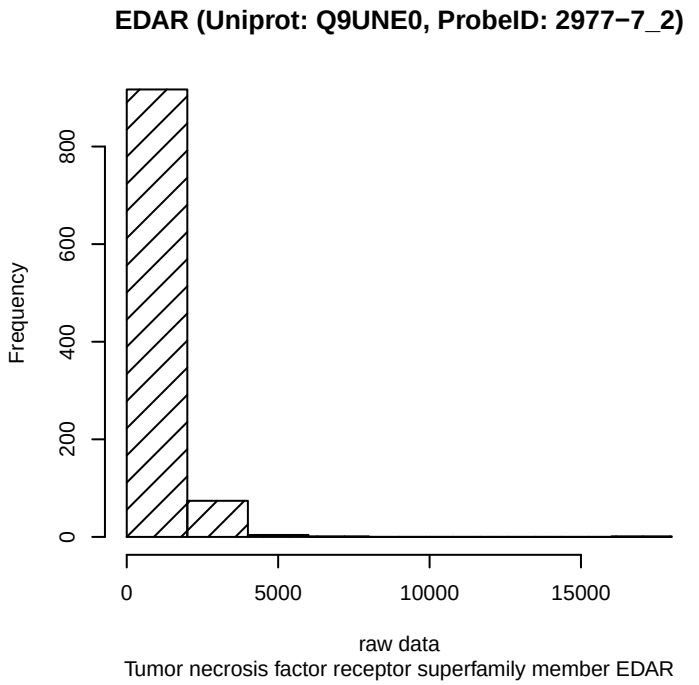

Caspase−3 (Uniprot: P42574, ProbeID: 3593−72_3)
raw data
0
10000
30000
50000
A/A (708)
A/G (262)
G/G (25)
rs870825 (Chr4:185588045)
Locus 416 top sentinel (CIS), p=8.4e−06

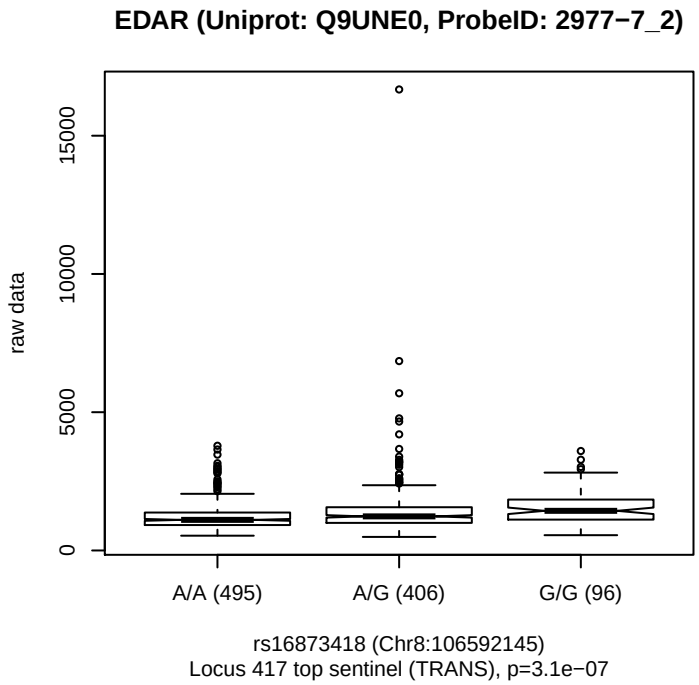

Caspase−3 (Uniprot: P42574, ProbeID: 3593−72_3)
Frequency
0
100
200
300
400
10
11
12
13
14
15
16
log2−scaled data
Caspase−3

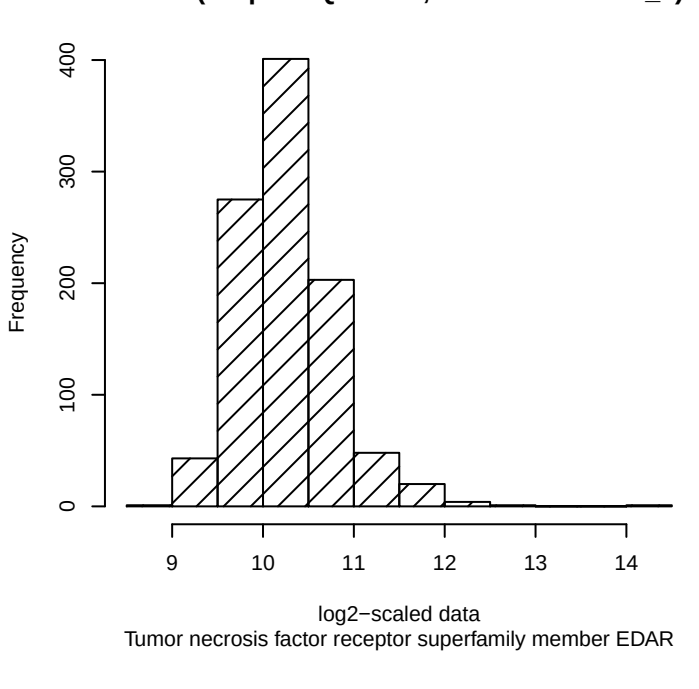

Caspase−3 (Uniprot: P42574, ProbeID: 3593−72_3)
log2−scaled data
10
11
12
13
14
15
16
A/A (708)
A/G (262)
G/G (25)
rs870825 (Chr4:185588045)
Locus 416 top sentinel (CIS), p=3.1e−10, FC=−1.1437

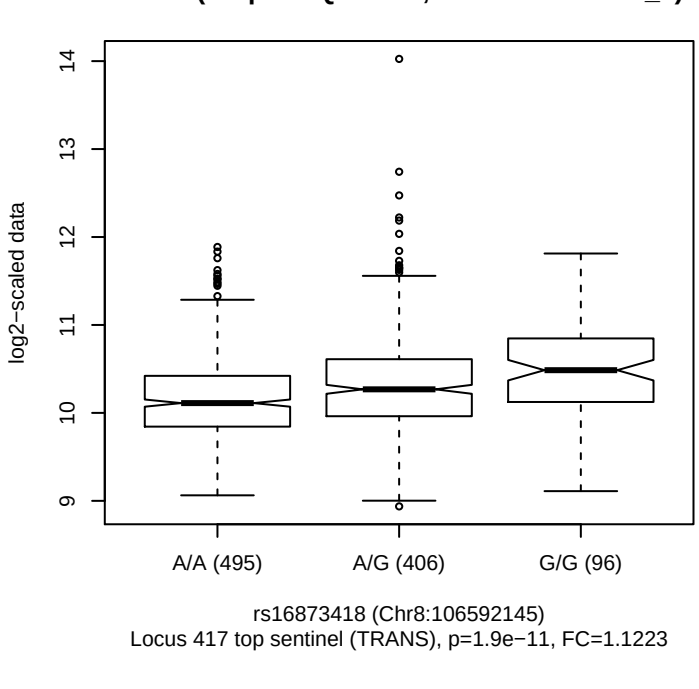

Caspase−3 (Uniprot: P42574, ProbeID: 3593−72_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Caspase−3

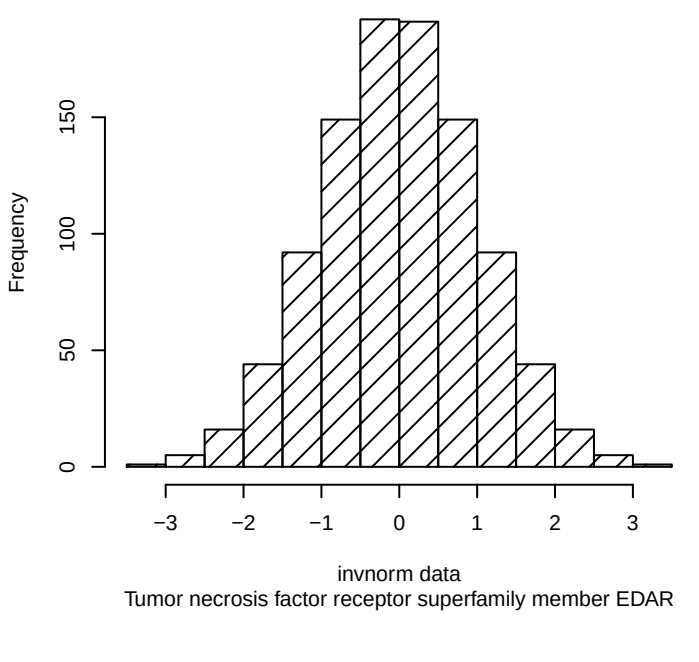

Caspase−3 (Uniprot: P42574, ProbeID: 3593−72_3)
invnorm data
−3
−2
−1
0
1
2
3
A/A (708)
A/G (262)
G/G (25)
rs870825 (Chr4:185588045)
Locus 416 top sentinel (CIS), p=1.8e−11

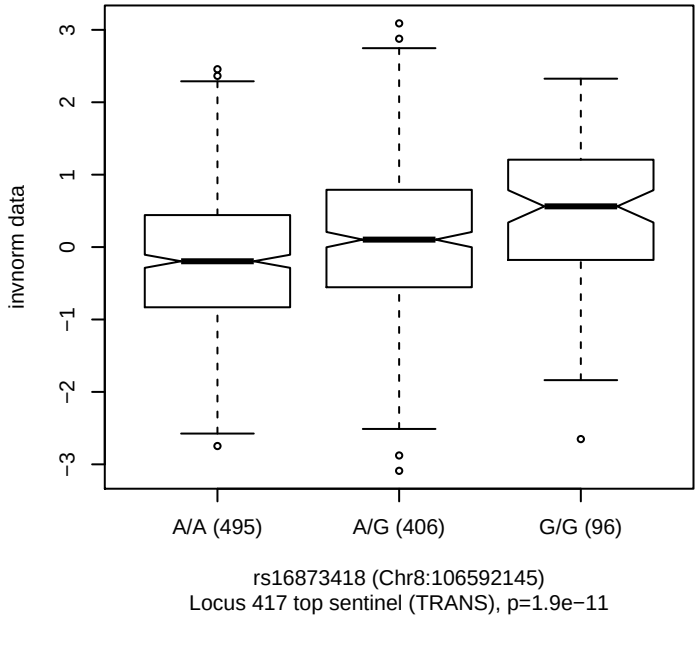

EDAR (Uniprot: Q9UNE0, ProbeID: 2977−7_2)
Frequency
0
200
400
600
800
0
5000
10000
15000
raw data
Tumor necrosis factor receptor superfamily member EDAR


EDAR (Uniprot: Q9UNE0, ProbeID: 2977−7_2)
raw data
0
5000
10000
15000
A/A (495)
A/G (406)
G/G (96)
rs16873418 (Chr8:106592145)
Locus 417 top sentinel (TRANS), p=3.1e−07

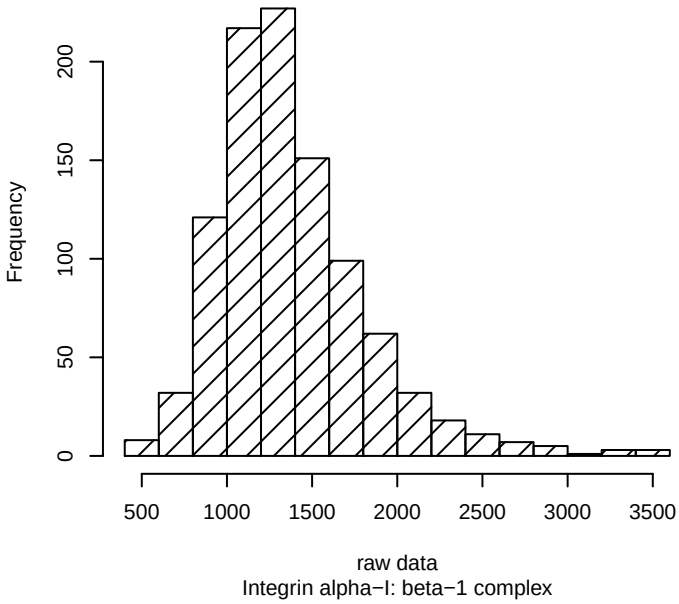

EDAR (Uniprot: Q9UNE0, ProbeID: 2977−7_2)
Frequency
0
100
200
300
400
9
10
11
12
13
14
log2−scaled data
Tumor necrosis factor receptor superfamily member EDAR


EDAR (Uniprot: Q9UNE0, ProbeID: 2977−7_2)
log2−scaled data
9
10
11
12
13
14
A/A (495)
A/G (406)
G/G (96)
rs16873418 (Chr8:106592145)
Locus 417 top sentinel (TRANS), p=1.9e−11, FC=1.1223

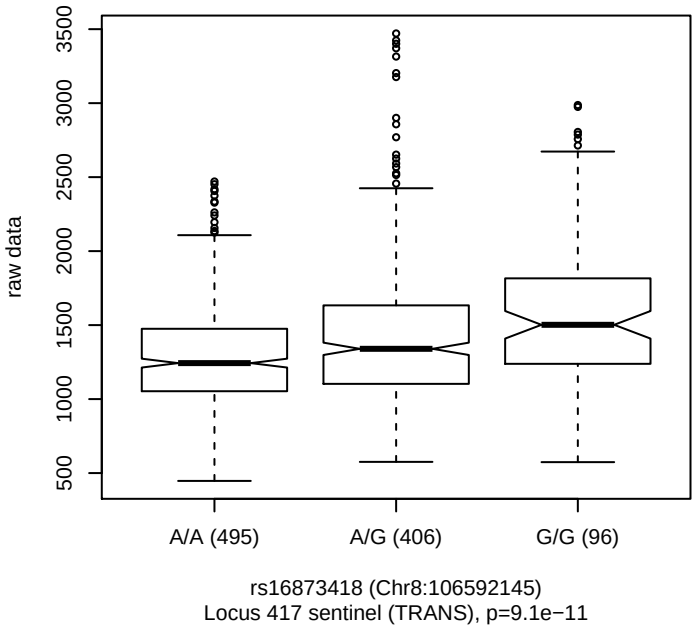

EDAR (Uniprot: Q9UNE0, ProbeID: 2977−7_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Tumor necrosis factor receptor superfamily member EDAR


EDAR (Uniprot: Q9UNE0, ProbeID: 2977−7_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (495)
A/G (406)
G/G (96)
rs16873418 (Chr8:106592145)
Locus 417 top sentinel (TRANS), p=1.9e−11

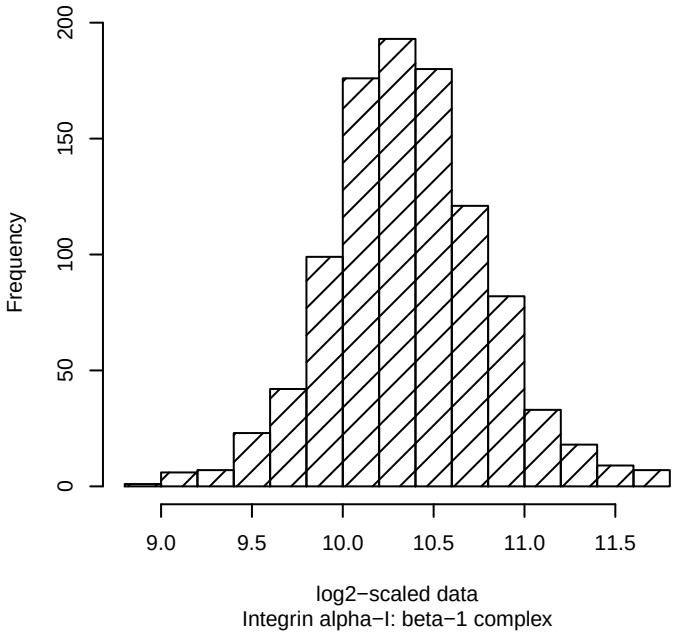
**Integrin a1b1 (Uniprot: P56199, P05556, ProbeID: 3503−4_**



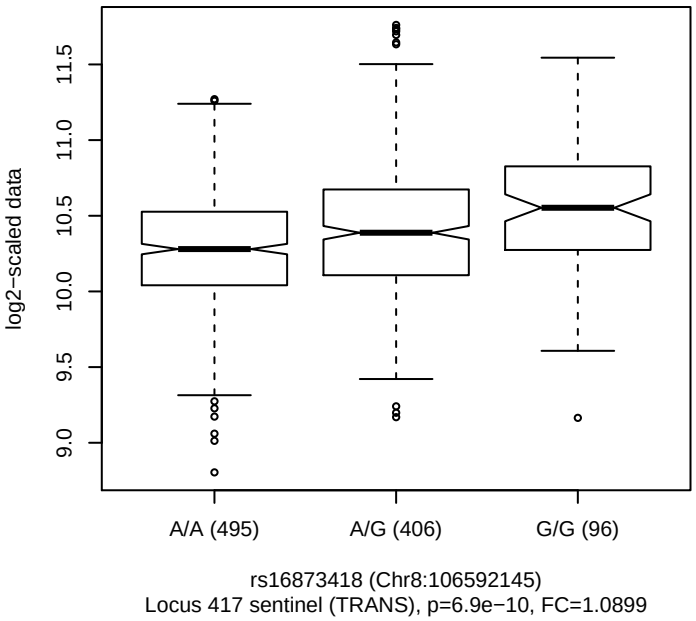

**Integrin a1b1 (Uniprot: P56199, P05556, ProbeID: 3503−4_**



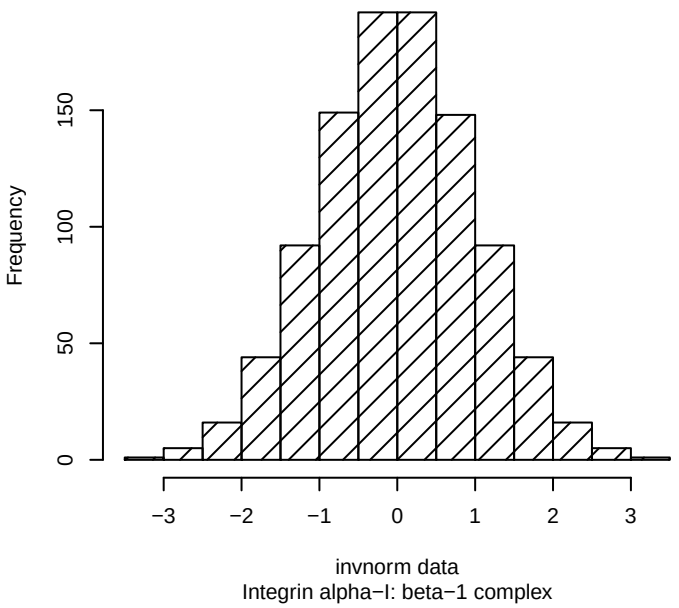

**Integrin a1b1 (Uniprot: P56199, P05556, ProbeID: 3503−4_**



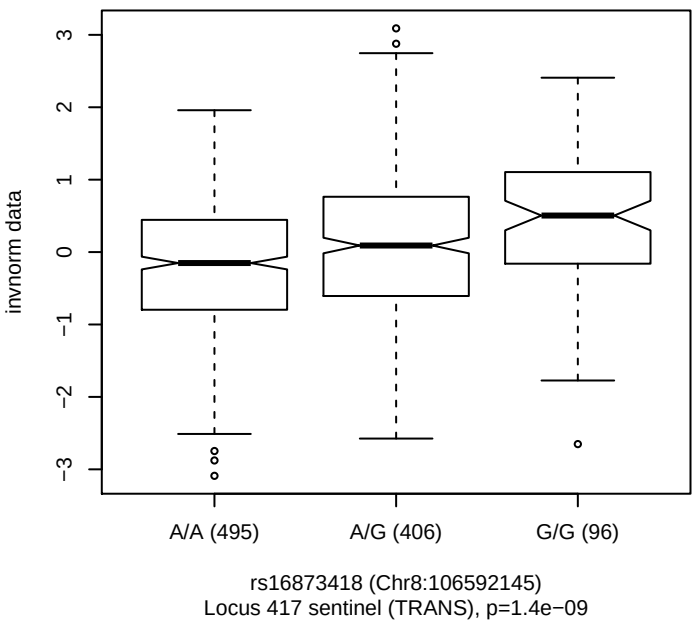

**Integrin a1b1 (Uniprot: P56199, P05556, ProbeID: 3503−4_**

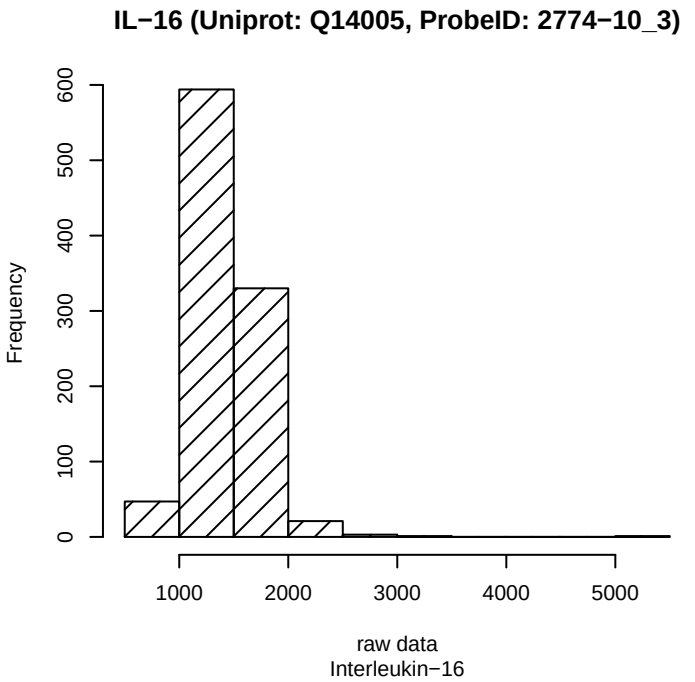


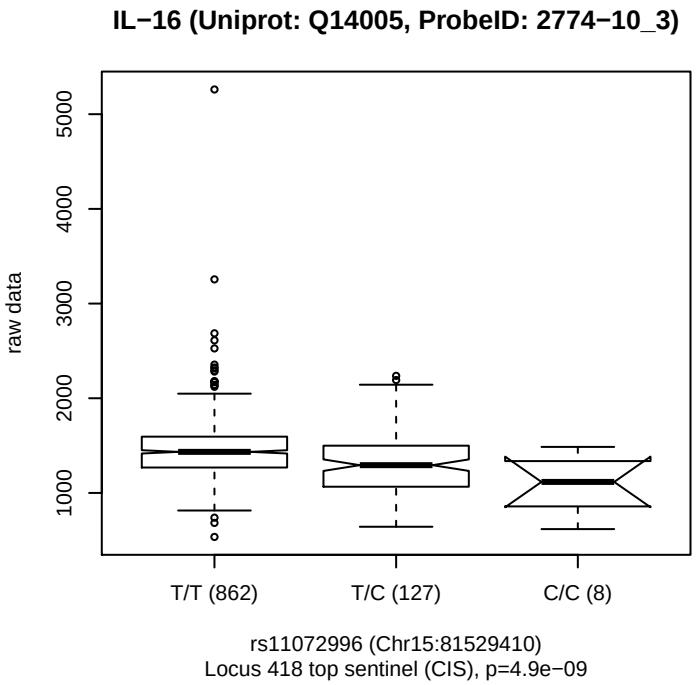

**Integrin a1b1 (Uniprot: P56199, P05556, ProbeID: 3503−4_**

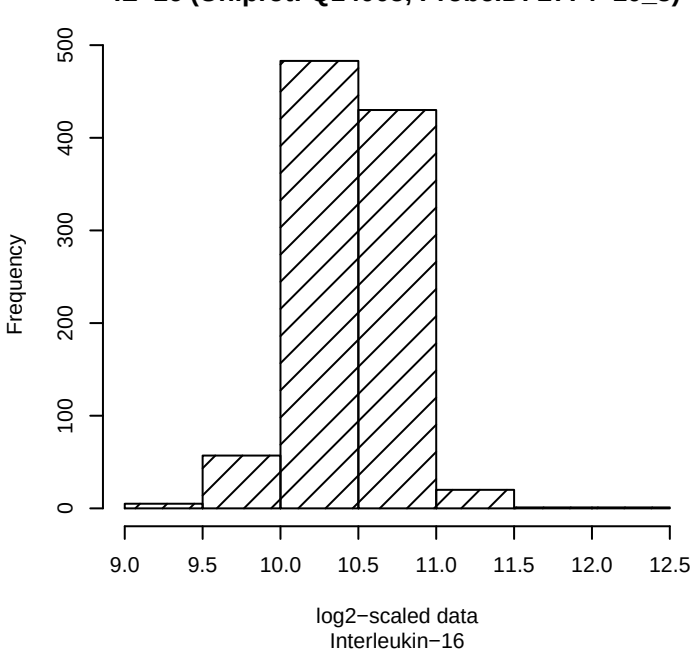


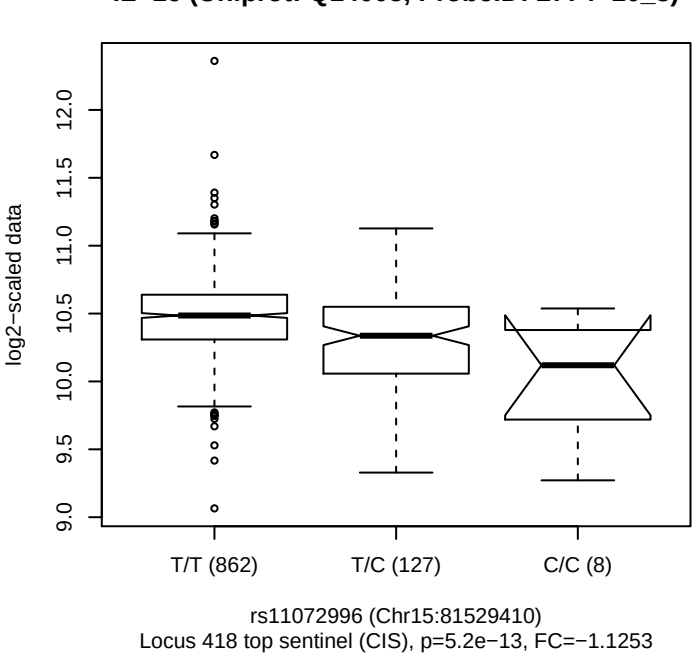

**Integrin a1b1 (Uniprot: P56199, P05556, ProbeID: 3503−4_**

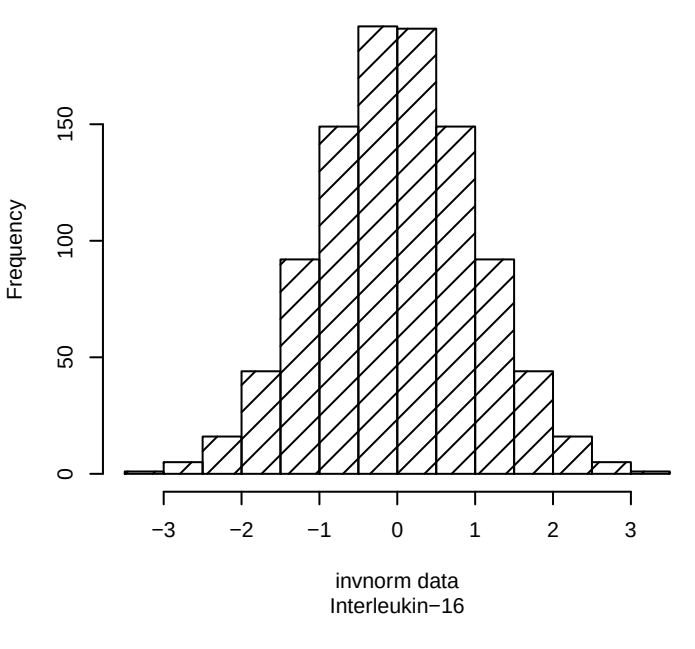


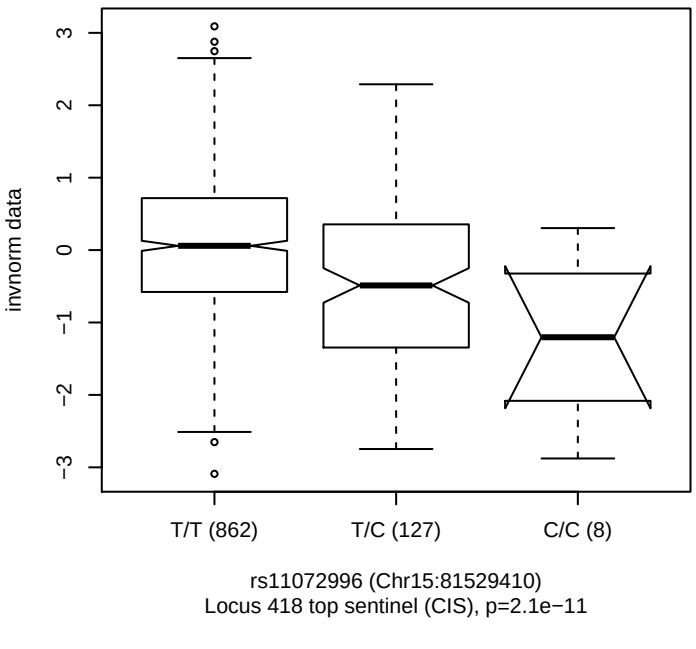

IL−16 (Uniprot: Q14005, ProbeID: 2774−10_3)
Frequency
0
100
200
300
400
500
600
1000
2000
3000
4000
5000
raw data
Interleukin−16

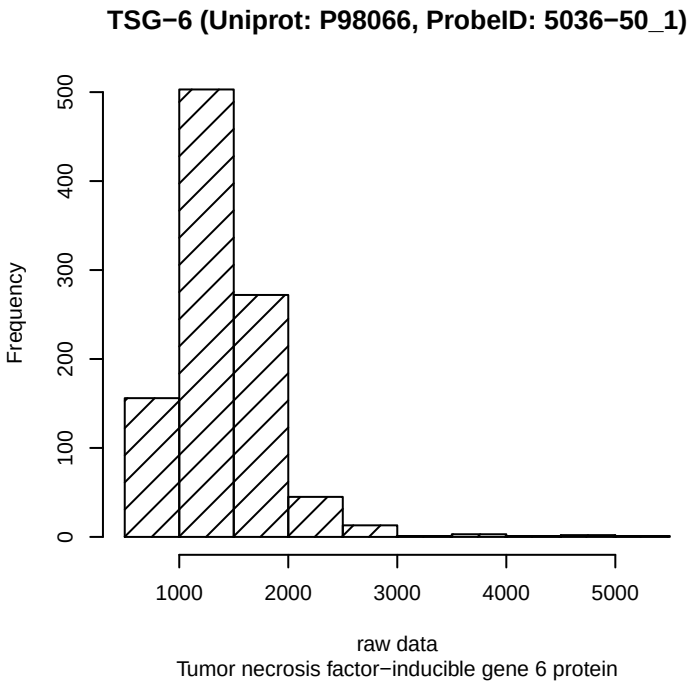

IL−16 (Uniprot: Q14005, ProbeID: 2774−10_3)
raw data
1000
2000
3000
4000
5000
T/T (862)
T/C (127)
C/C (8)
rs11072996 (Chr15:81529410)
Locus 418 top sentinel (CIS), p=4.9e−09

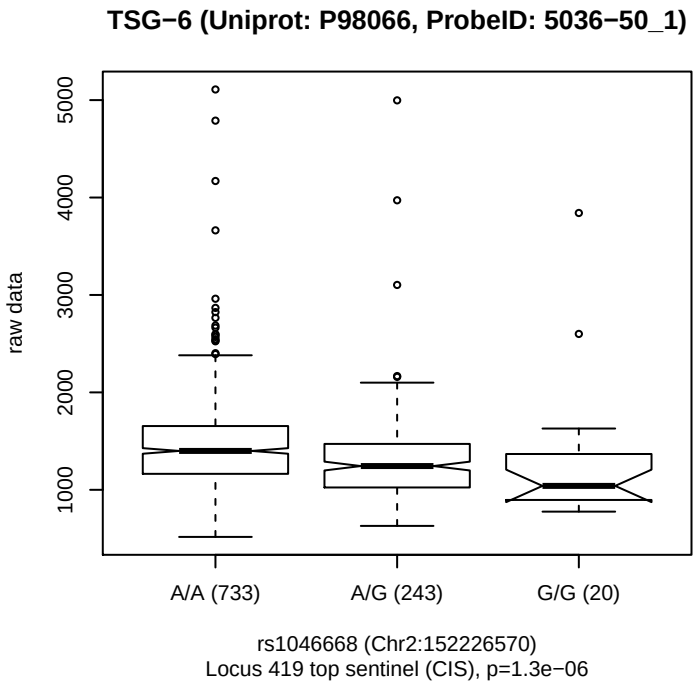

IL−16 (Uniprot: Q14005, ProbeID: 2774−10_3)
Frequency
0
100
200
300
400
500
9.0
9.5
10.0
10.5
11.0
11.5
12.0
12.5
log2−scaled data
Interleukin−16

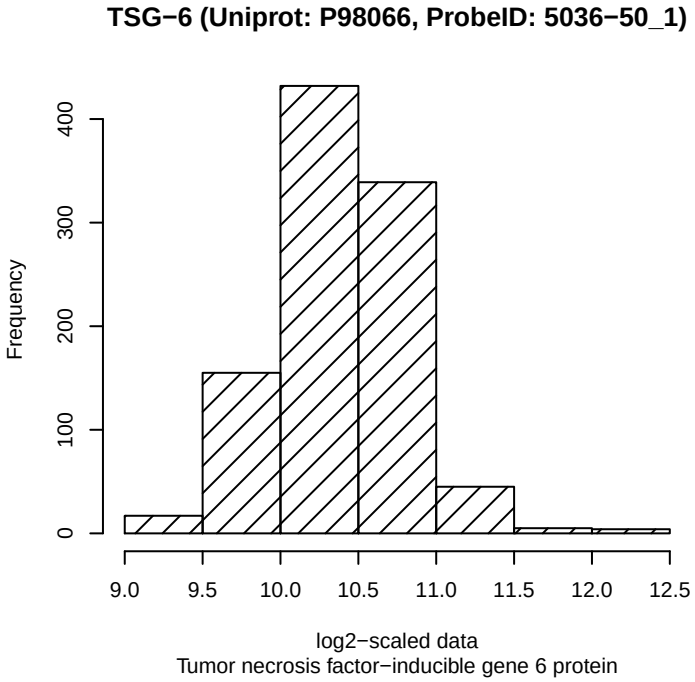

IL−16 (Uniprot: Q14005, ProbeID: 2774−10_3)
log2−scaled data
9.0
9.5
10.0
10.5
11.0
11.5
12.0
T/T (862)
T/C (127)
C/C (8)
rs11072996 (Chr15:81529410)
Locus 418 top sentinel (CIS), p=5.2e−13, FC=−1.1253

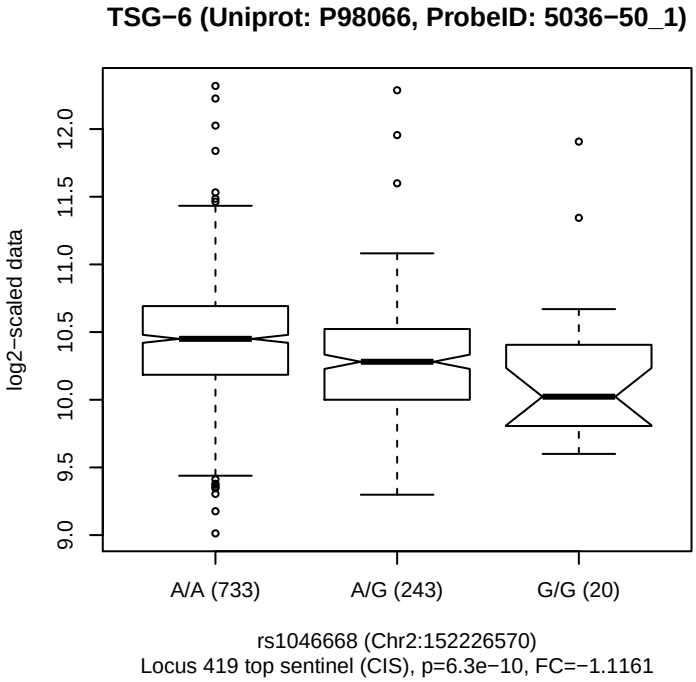

IL−16 (Uniprot: Q14005, ProbeID: 2774−10_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−16

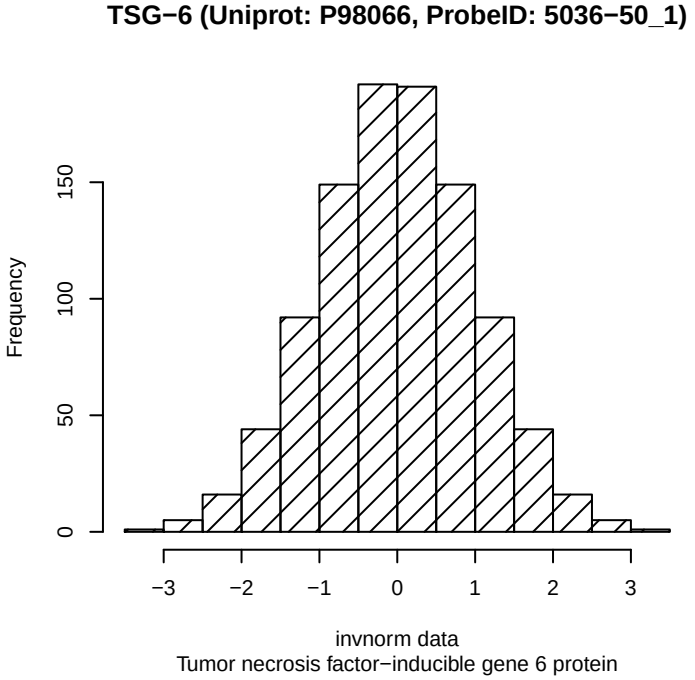

IL−16 (Uniprot: Q14005, ProbeID: 2774−10_3)
invnorm data
−3
−2
−1
0
1
2
3
T/T (862)
T/C (127)
C/C (8)
rs11072996 (Chr15:81529410)
Locus 418 top sentinel (CIS), p=2.1e−11

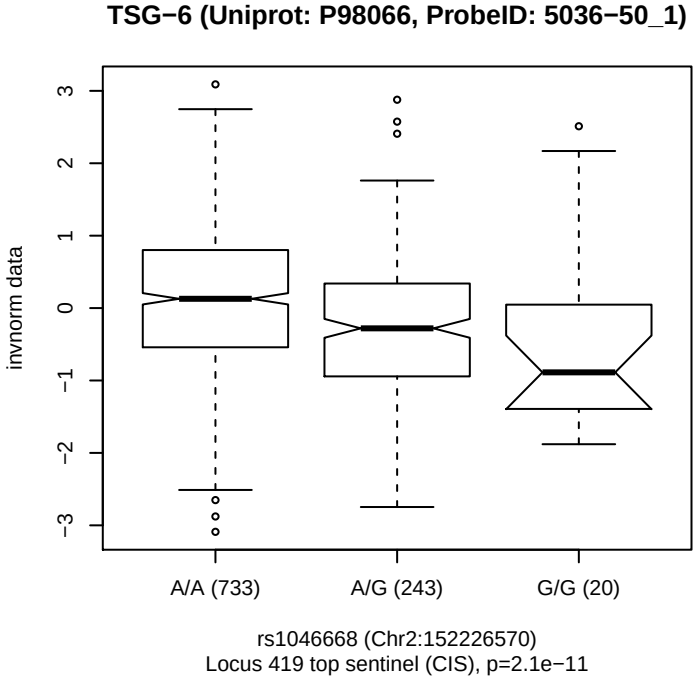

TSG−6 (Uniprot: P98066, ProbeID: 5036−50_1)
Frequency
0
100
200
300
400
500
1000
2000
3000
4000
5000
raw data
Tumor necrosis factor−inducible gene 6 protein


TSG−6 (Uniprot: P98066, ProbeID: 5036−50_1)
raw data
1000
2000
3000
4000
5000
A/A (733)
A/G (243)
G/G (20)
rs1046668 (Chr2:152226570)
Locus 419 top sentinel (CIS), p=1.3e−06

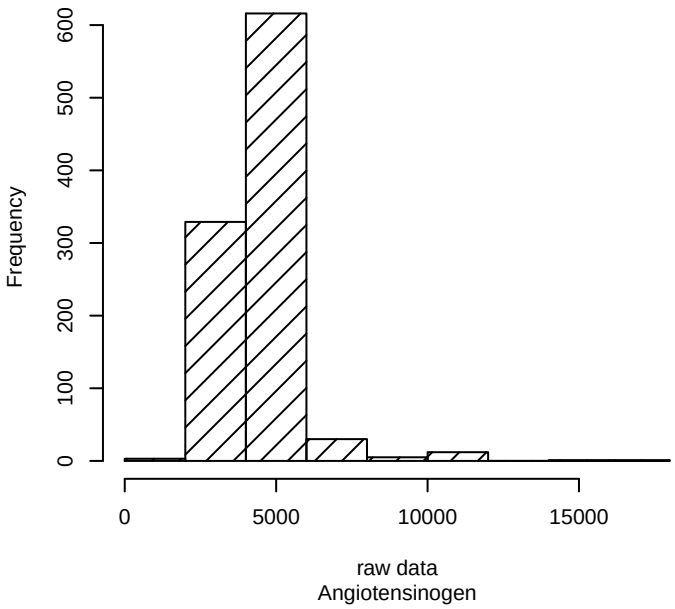

TSG−6 (Uniprot: P98066, ProbeID: 5036−50_1)
Frequency
0
100
200
300
400
9.0
9.5
10.0
10.5
11.0
11.5
12.0
12.5
log2−scaled data
Tumor necrosis factor−inducible gene 6 protein


TSG−6 (Uniprot: P98066, ProbeID: 5036−50_1)
log2−scaled data
9.0
9.5
10.0
10.5
11.0
11.5
12.0
A/A (733)
A/G (243)
G/G (20)
rs1046668 (Chr2:152226570)
Locus 419 top sentinel (CIS), p=6.3e−10, FC=−1.1161

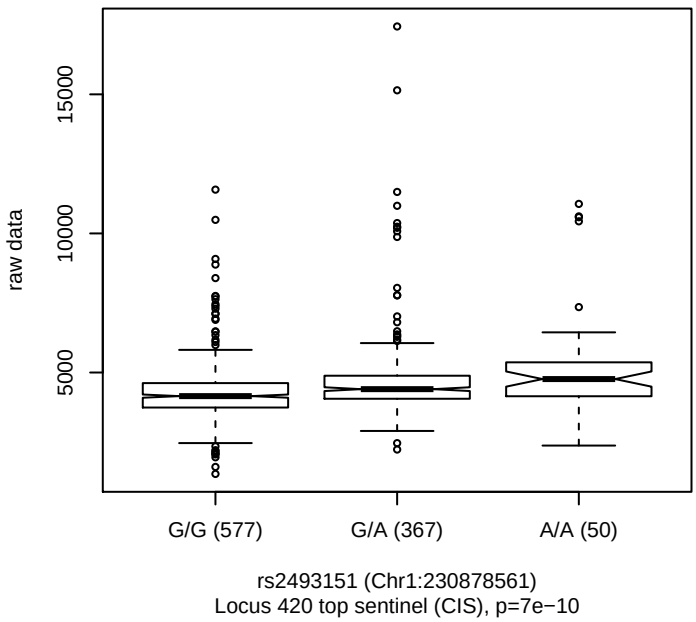

TSG−6 (Uniprot: P98066, ProbeID: 5036−50_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Tumor necrosis factor−inducible gene 6 protein


TSG−6 (Uniprot: P98066, ProbeID: 5036−50_1)
invnorm data
−3
−2
−1
0
1
2
3
A/A (733)
A/G (243)
G/G (20)
rs1046668 (Chr2:152226570)
Locus 419 top sentinel (CIS), p=2.1e−11

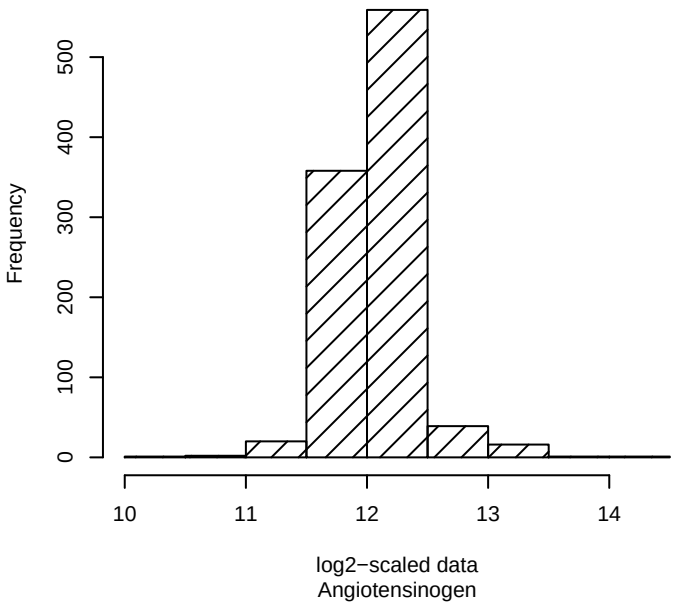
**Angiotensinogen (Uniprot: P01019, ProbeID: 3484−60_2**



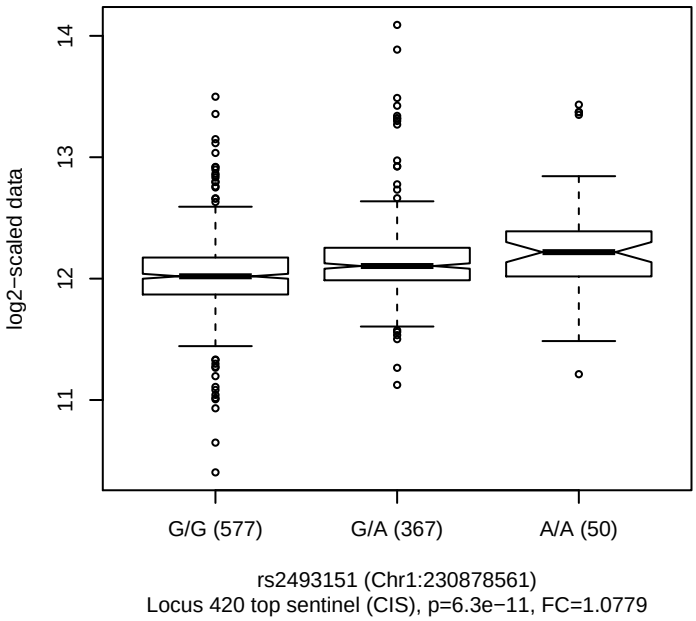

**Angiotensinogen (Uniprot: P01019, ProbeID: 3484−60_2**



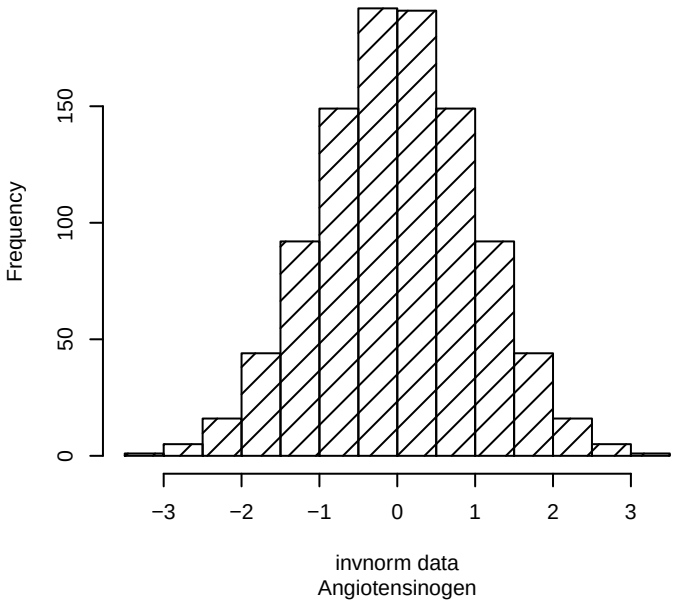

**Angiotensinogen (Uniprot: P01019, ProbeID: 3484−60_2**



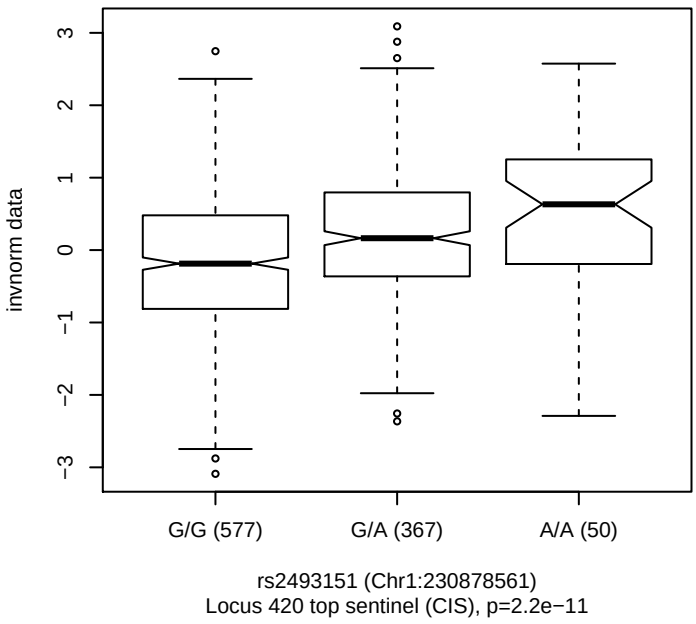

**Angiotensinogen (Uniprot: P01019, ProbeID: 3484−60_2**

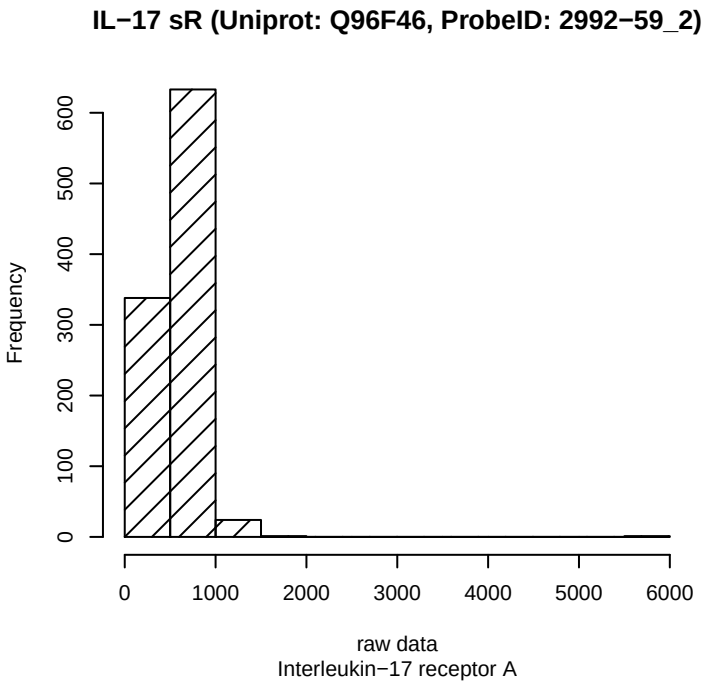


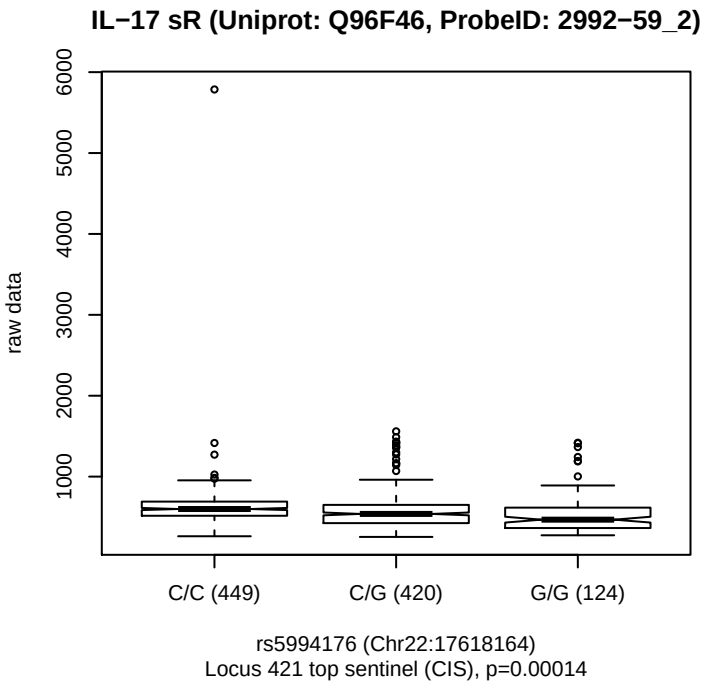

**Angiotensinogen (Uniprot: P01019, ProbeID: 3484−60_2**

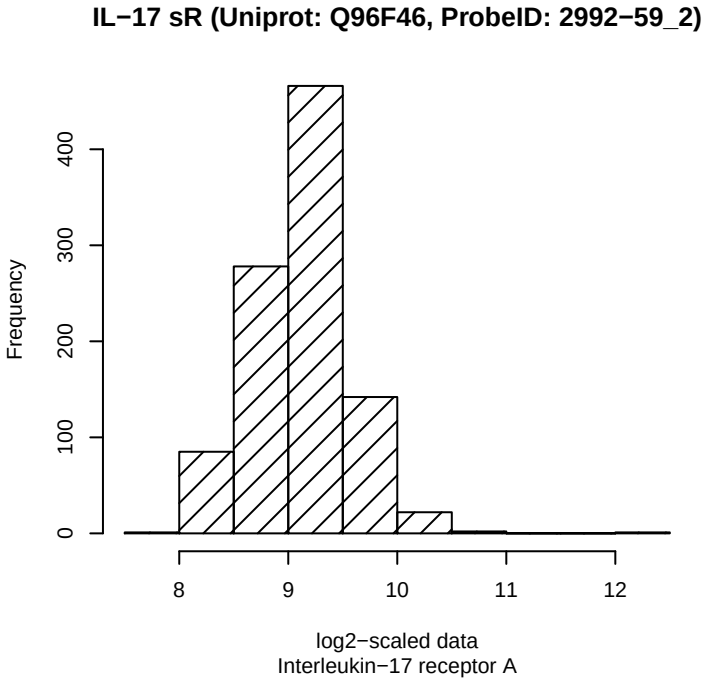


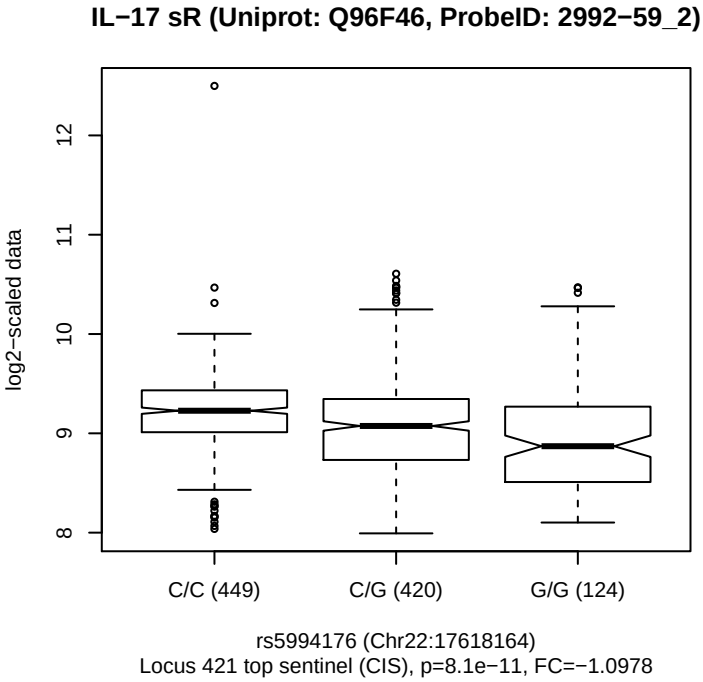

**Angiotensinogen (Uniprot: P01019, ProbeID: 3484−60_2**

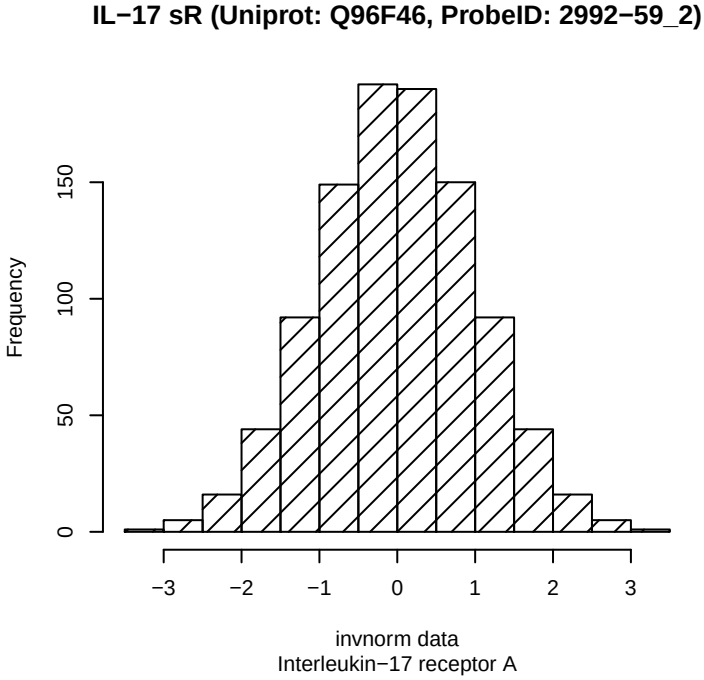


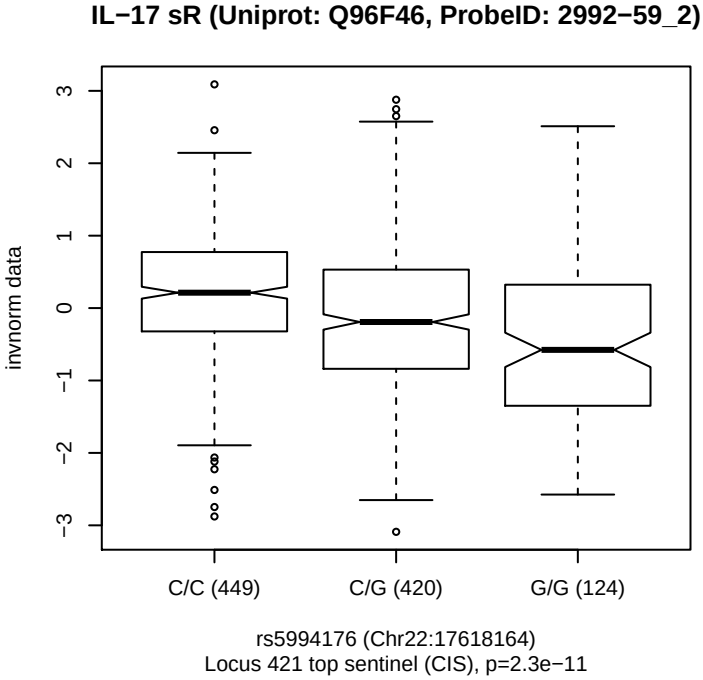

IL−17 sR (Uniprot: Q96F46, ProbeID: 2992−59_2)
Frequency
0
100
200
300
400
500
600
0
1000
2000
3000
4000
5000
6000
raw data
Interleukin−17 receptor A

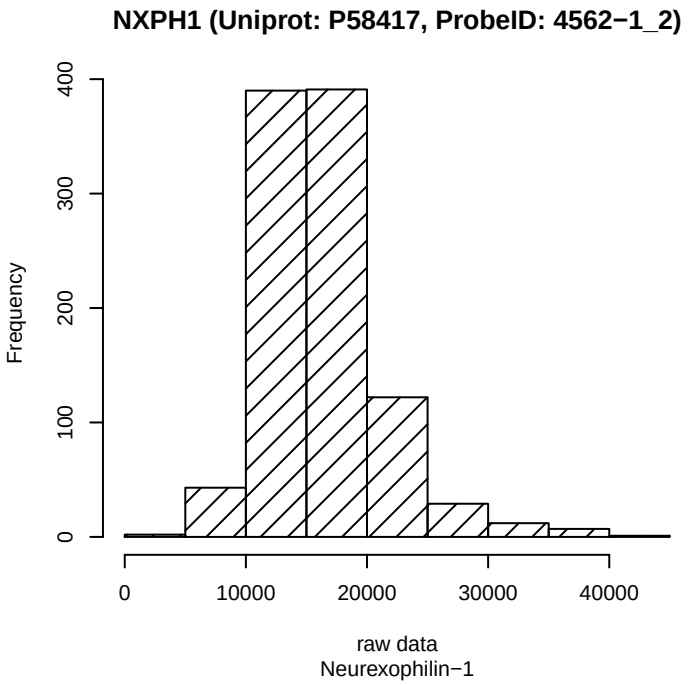

IL−17 sR (Uniprot: Q96F46, ProbeID: 2992−59_2)
raw data
1000
2000
3000
4000
5000
6000
C/C (449)
C/G (420)
G/G (124)
rs5994176 (Chr22:17618164)
Locus 421 top sentinel (CIS), p=0.00014

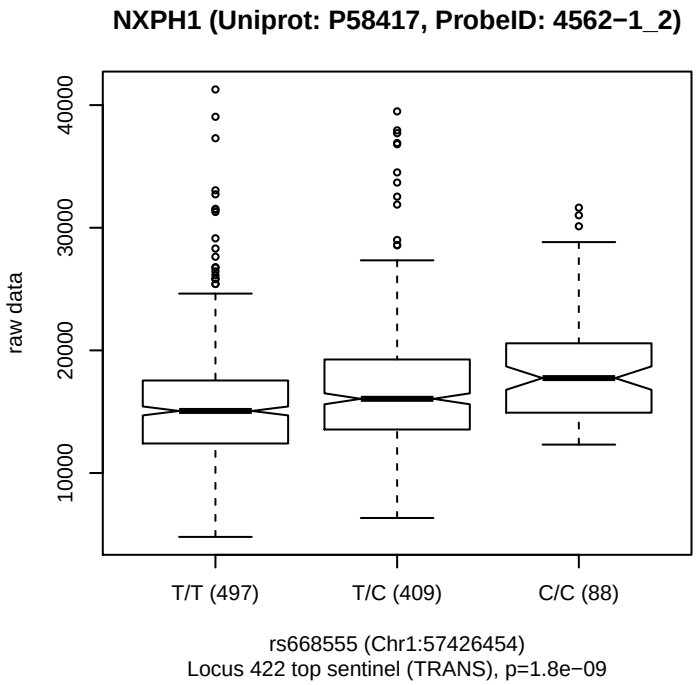

IL−17 sR (Uniprot: Q96F46, ProbeID: 2992−59_2)
Frequency
0
100
200
300
400
8
9
10
11
12
log2−scaled data
Interleukin−17 receptor A

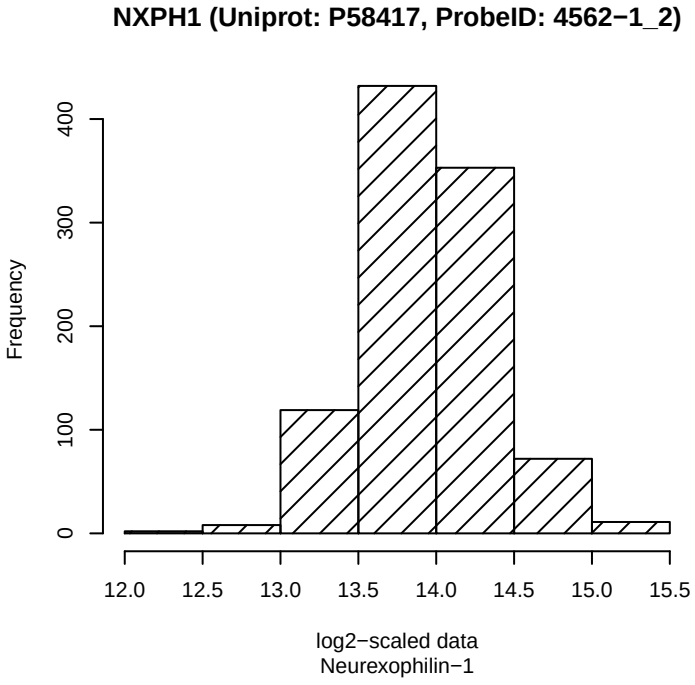

IL−17 sR (Uniprot: Q96F46, ProbeID: 2992−59_2)
log2−scaled data
8
9
10
11
12
C/C (449)
C/G (420)
G/G (124)
rs5994176 (Chr22:17618164)
Locus 421 top sentinel (CIS), p=8.1e−11, FC=−1.0978

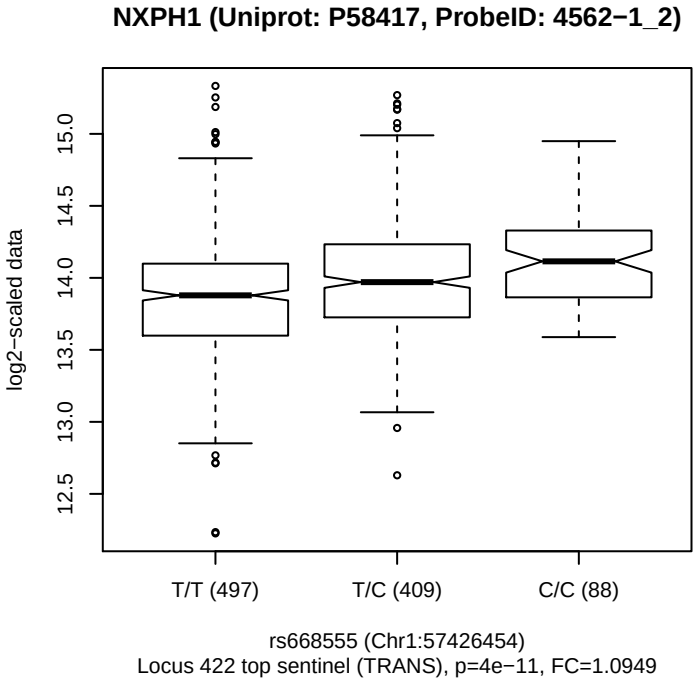

IL−17 sR (Uniprot: Q96F46, ProbeID: 2992−59_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−17 receptor A

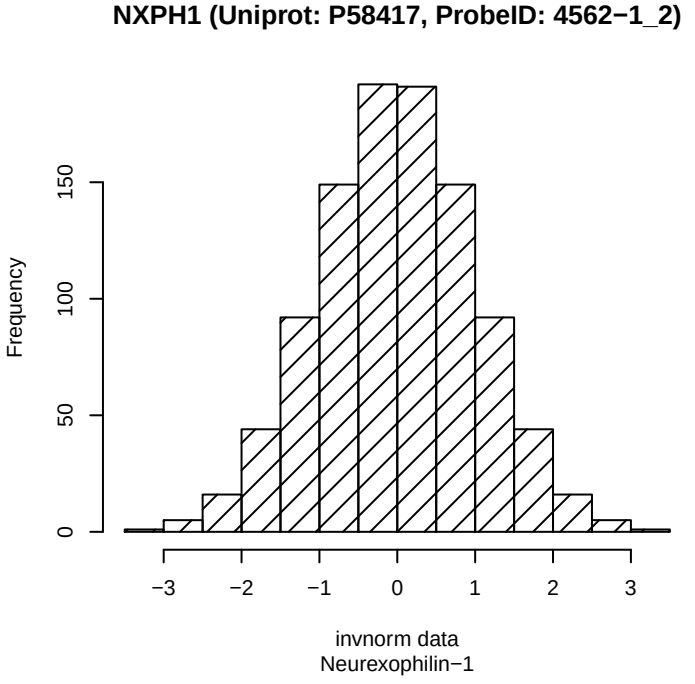

IL−17 sR (Uniprot: Q96F46, ProbeID: 2992−59_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (449)
C/G (420)
G/G (124)
rs5994176 (Chr22:17618164)
Locus 421 top sentinel (CIS), p=2.3e−11

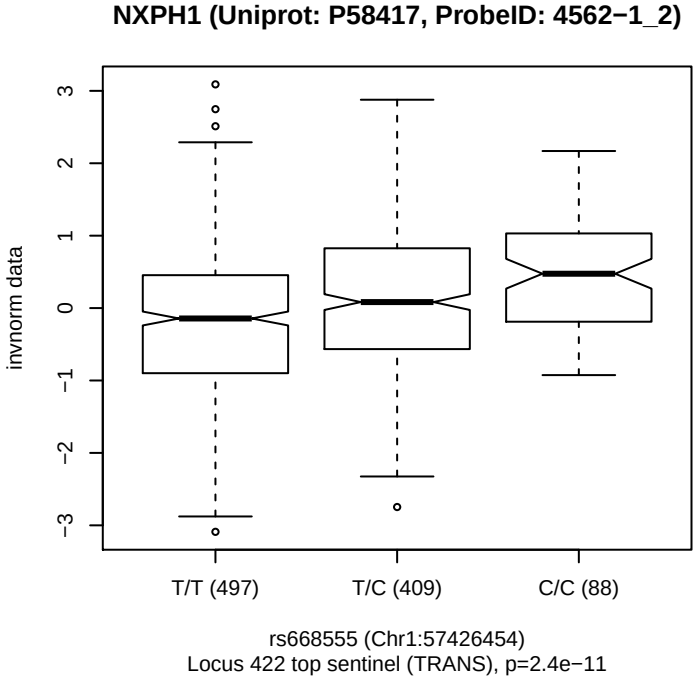

NXPH1 (Uniprot: P58417, ProbeID: 4562−1_2)
Frequency
0
100
200
300
400
0
10000
20000
30000
40000
raw data
Neurexophilin−1

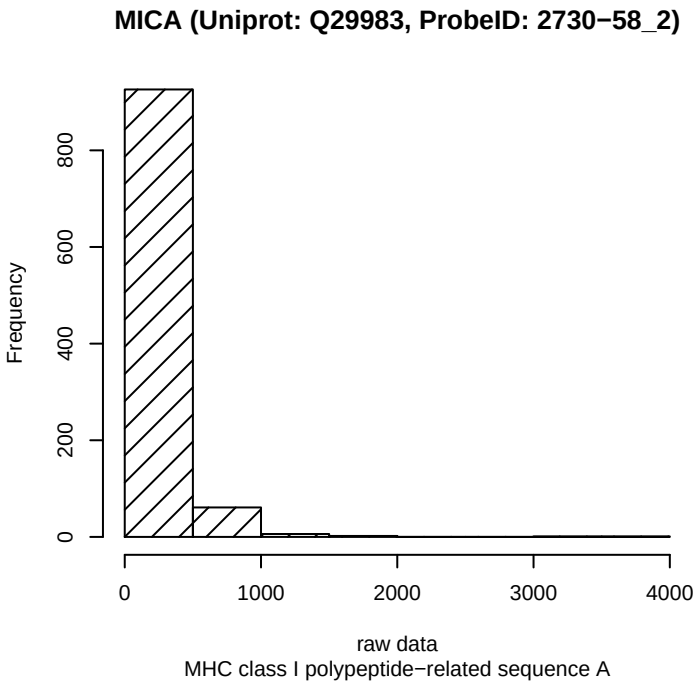

NXPH1 (Uniprot: P58417, ProbeID: 4562−1_2)
raw data
10000
20000
30000
40000
T/T (497)
T/C (409)
C/C (88)
rs668555 (Chr1:57426454)
Locus 422 top sentinel (TRANS), p=1.8e−09

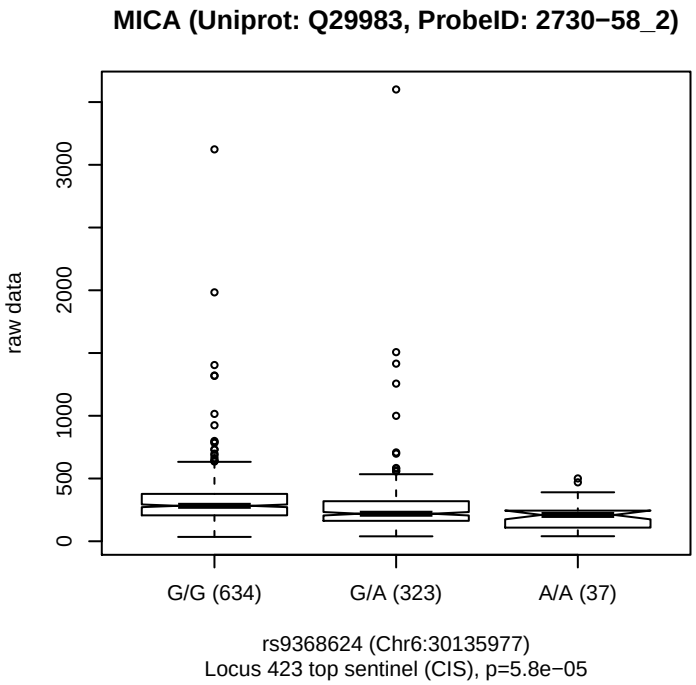

NXPH1 (Uniprot: P58417, ProbeID: 4562−1_2)
Frequency
0
100
200
300
400
12.0
12.5
13.0
13.5
14.0
14.5
15.0
15.5
log2−scaled data
Neurexophilin−1

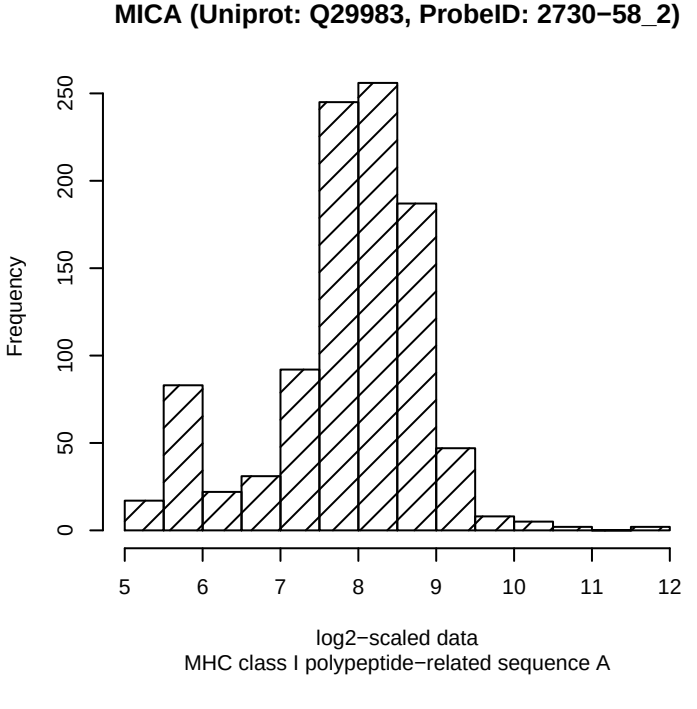

NXPH1 (Uniprot: P58417, ProbeID: 4562−1_2)
log2−scaled data
12.5
13.0
13.5
14.0
14.5
15.0
T/T (497)
T/C (409)
C/C (88)
rs668555 (Chr1:57426454)
Locus 422 top sentinel (TRANS), p=4e−11, FC=1.0949

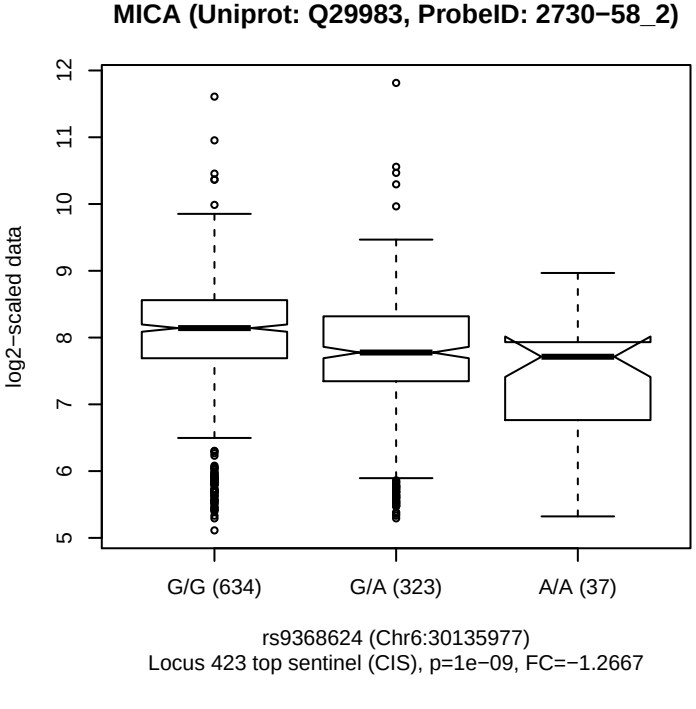

NXPH1 (Uniprot: P58417, ProbeID: 4562−1_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Neurexophilin−1

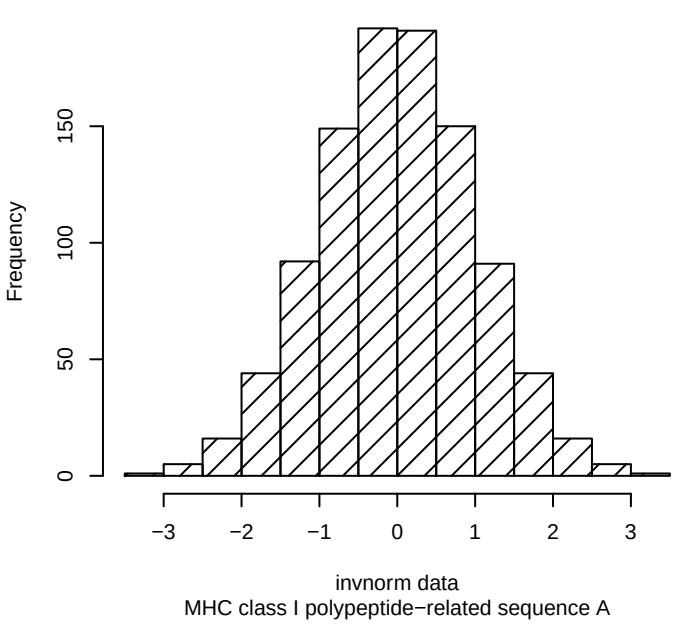

NXPH1 (Uniprot: P58417, ProbeID: 4562−1_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (497)
T/C (409)
C/C (88)
rs668555 (Chr1:57426454)
Locus 422 top sentinel (TRANS), p=2.4e−11

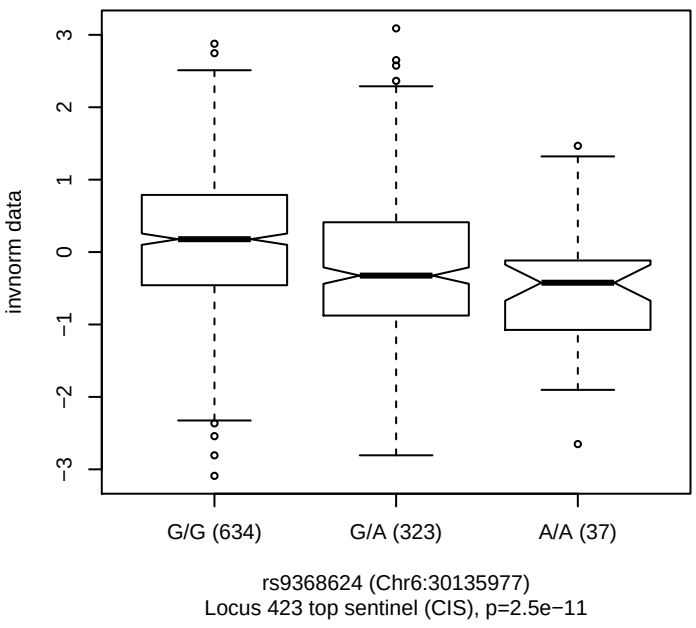

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
200
400
600
800
0
1000
2000
3000
4000
raw data
MHC class I polypeptide−related sequence A

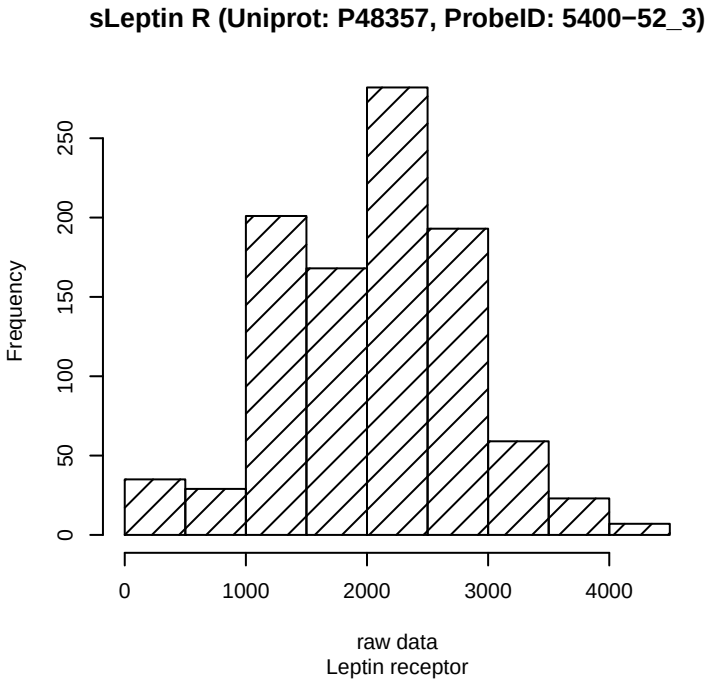

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
raw data
0
500
1000
2000
3000
G/G (634)
G/A (323)
A/A (37)
rs9368624 (Chr6:30135977)
Locus 423 top sentinel (CIS), p=5.8e−05

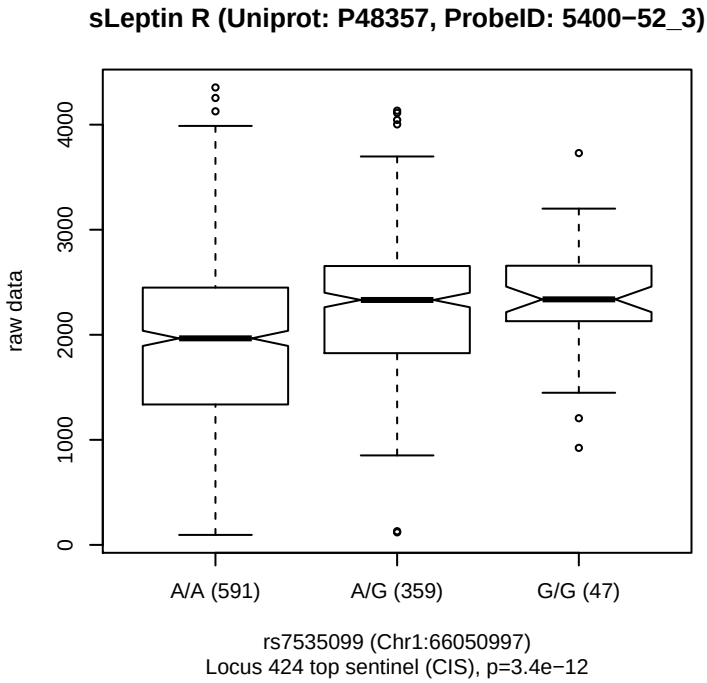

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
200
250
5
6
7
8
9
10
11
12
log2−scaled data
MHC class I polypeptide−related sequence A

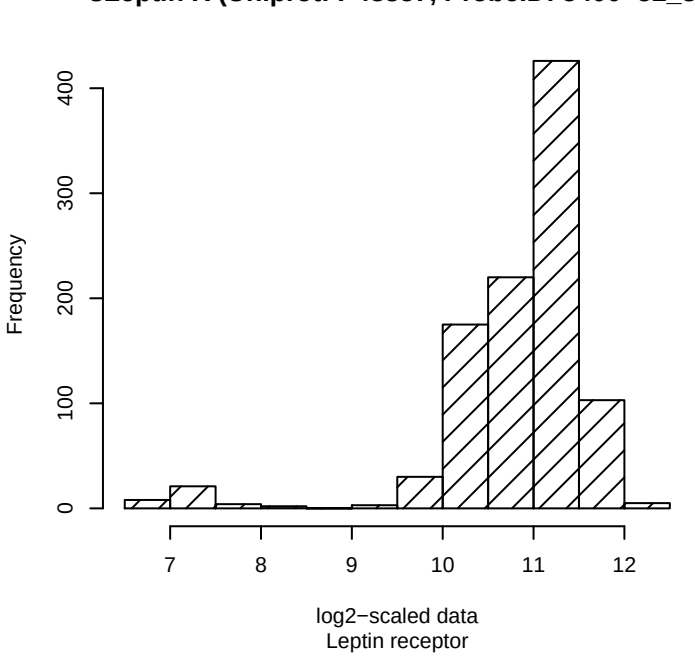

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
log2−scaled data
5
6
7
8
9
10
11
12
G/G (634)
G/A (323)
A/A (37)
rs9368624 (Chr6:30135977)
Locus 423 top sentinel (CIS), p=1e−09, FC=−1.2667

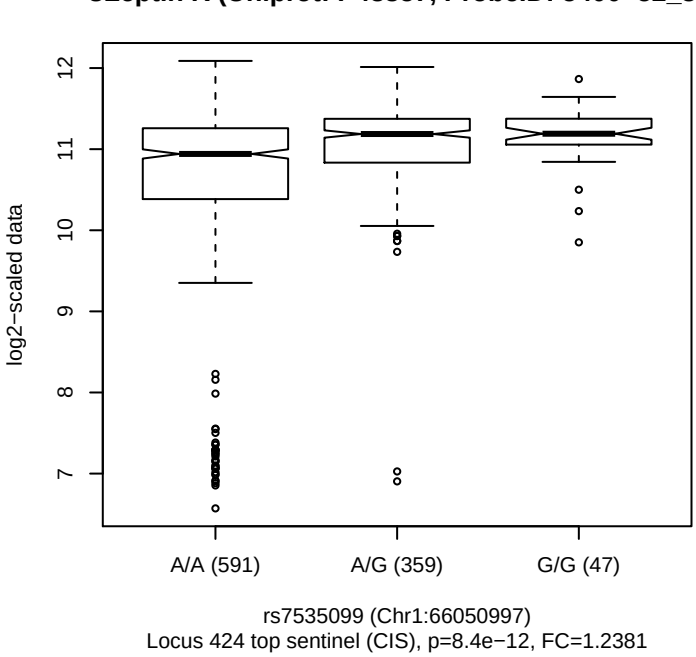

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence A

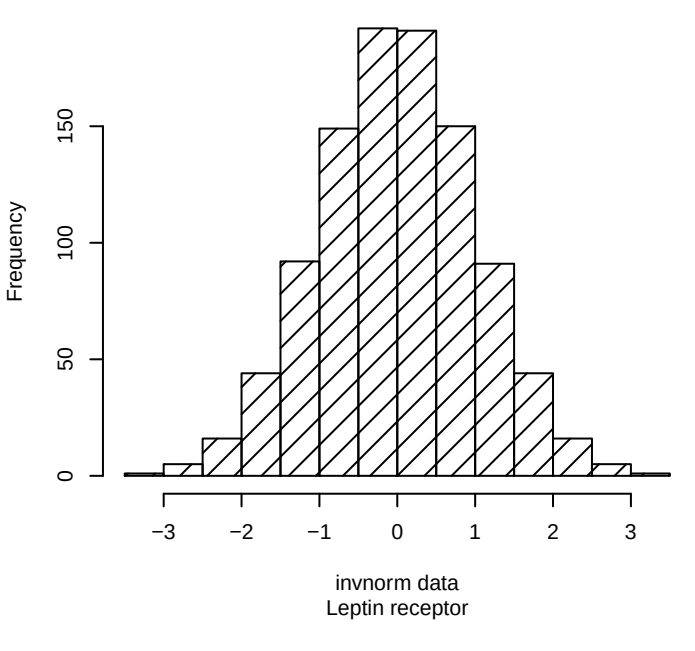

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (634)
G/A (323)
A/A (37)
rs9368624 (Chr6:30135977)
Locus 423 top sentinel (CIS), p=2.5e−11

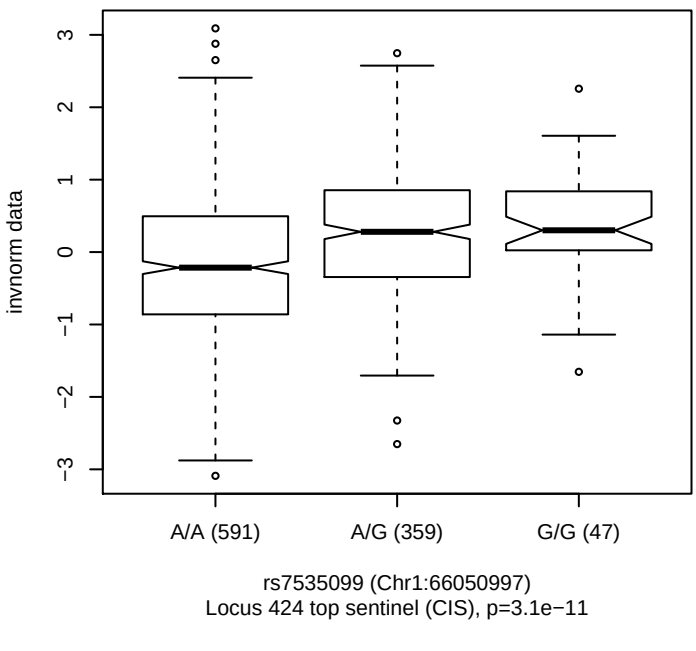

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
Frequency
0
50
100
150
200
250
0
1000
2000
3000
4000
raw data
Leptin receptor

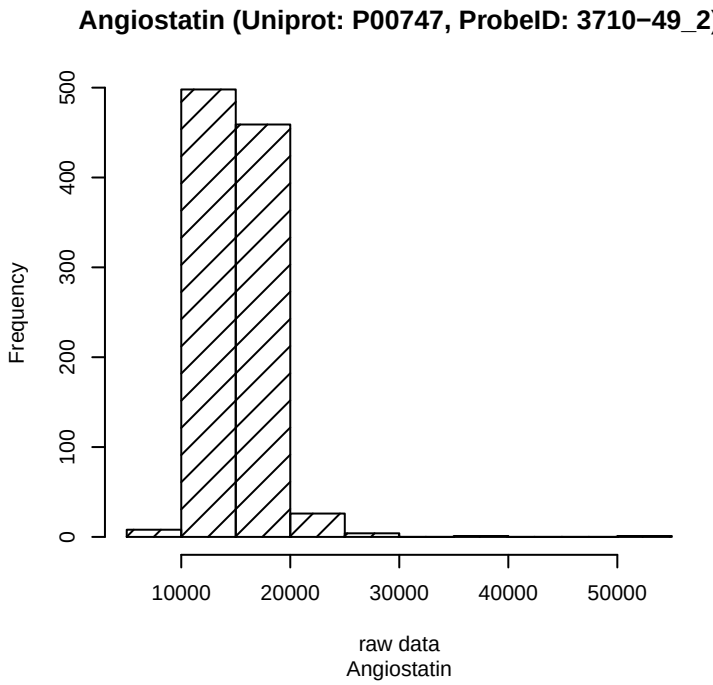

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
raw data
0
1000
2000
3000
4000
A/A (591)
A/G (359)
G/G (47)
rs7535099 (Chr1:66050997)
Locus 424 top sentinel (CIS), p=3.4e−12

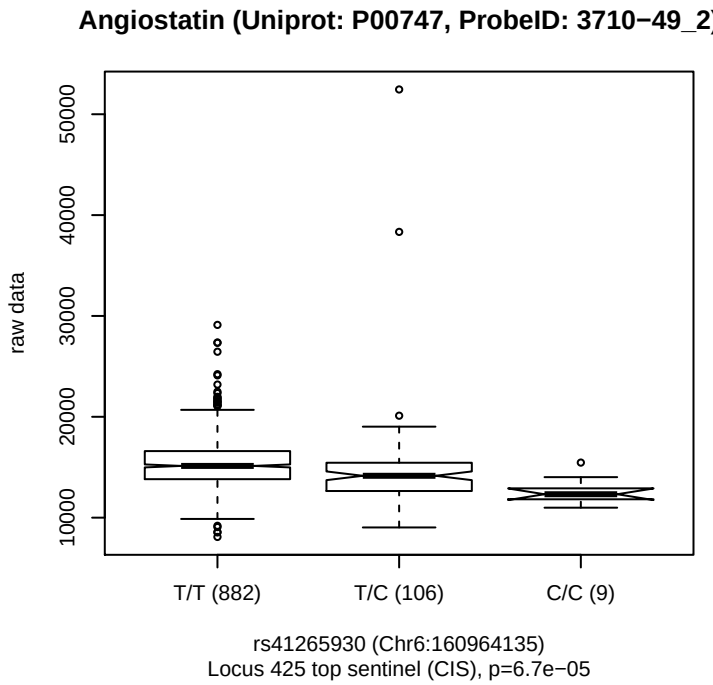

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
Frequency
0
100
200
300
400
7
8
9
10
11
12
log2−scaled data
Leptin receptor

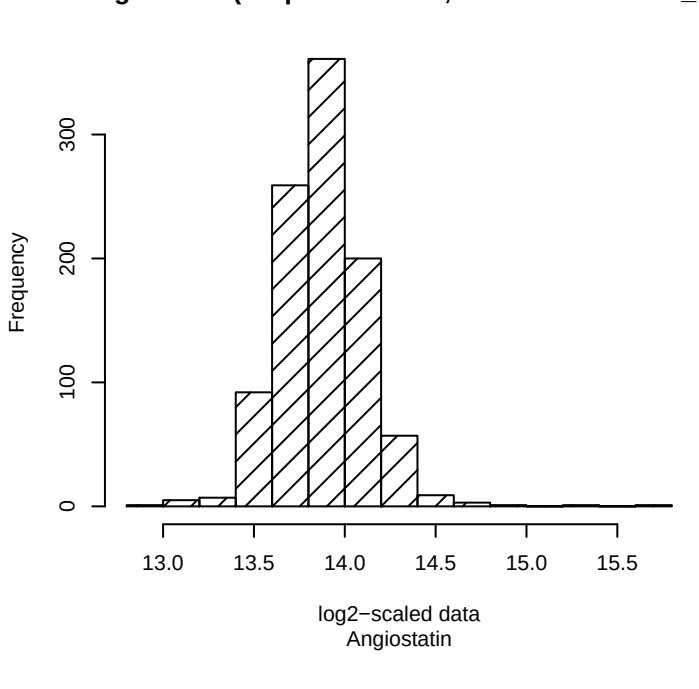

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
log2−scaled data
7
8
9
10
11
12
A/A (591)
A/G (359)
G/G (47)
rs7535099 (Chr1:66050997)
Locus 424 top sentinel (CIS), p=8.4e−12, FC=1.2381

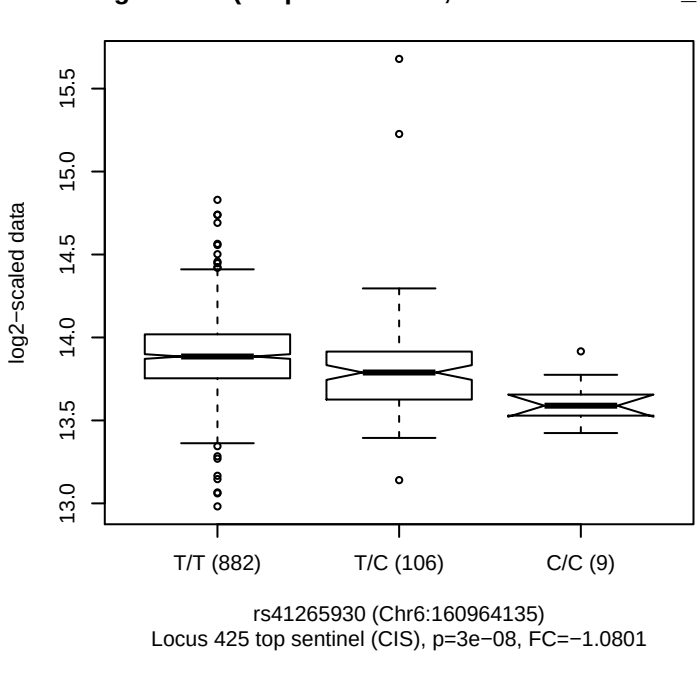

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Leptin receptor

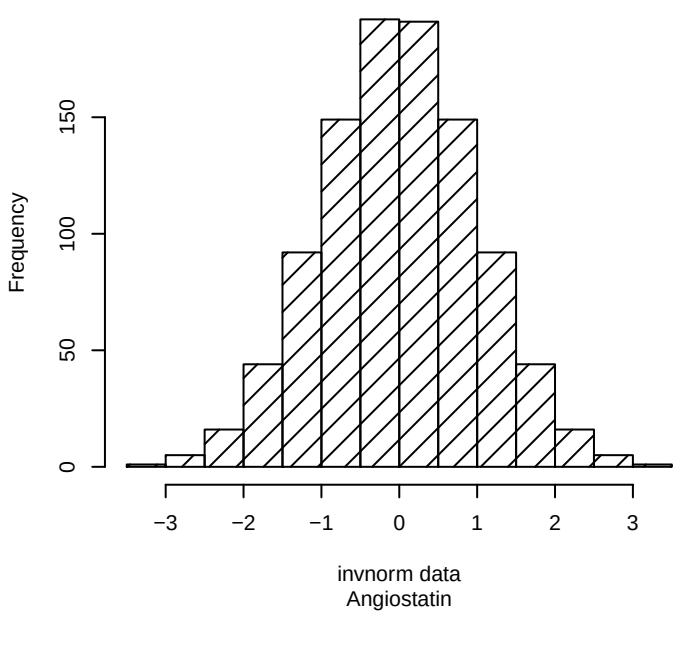

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
invnorm data
−3
−2
−1
0
1
2
3
A/A (591)
A/G (359)
G/G (47)
rs7535099 (Chr1:66050997)
Locus 424 top sentinel (CIS), p=3.1e−11

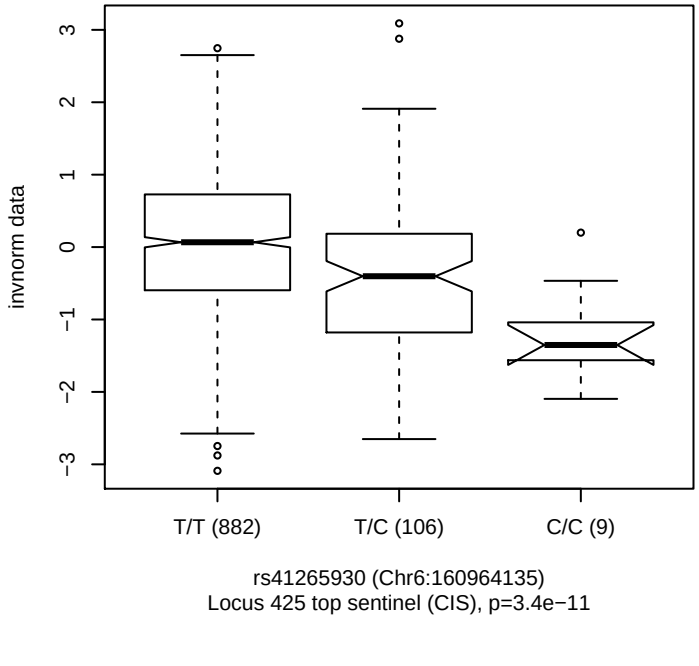

Angiostatin (Uniprot: P00747, ProbeID: 3710−49_2)
Frequency
0
100
200
300
400
500
10000
20000
30000
40000
50000
raw data
Angiostatin

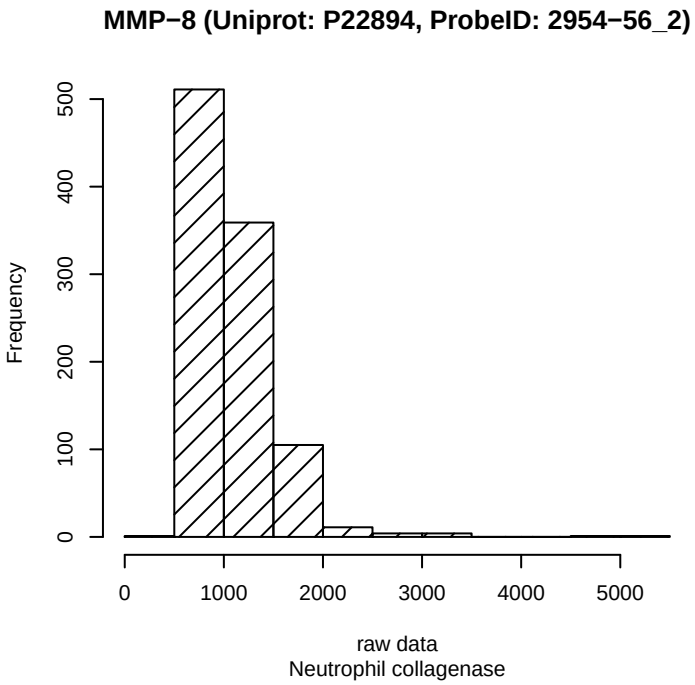

Angiostatin (Uniprot: P00747, ProbeID: 3710−49_2)
raw data
10000
20000
30000
40000
50000
T/T (882)
T/C (106)
C/C (9)
rs41265930 (Chr6:160964135)
Locus 425 top sentinel (CIS), p=6.7e−05

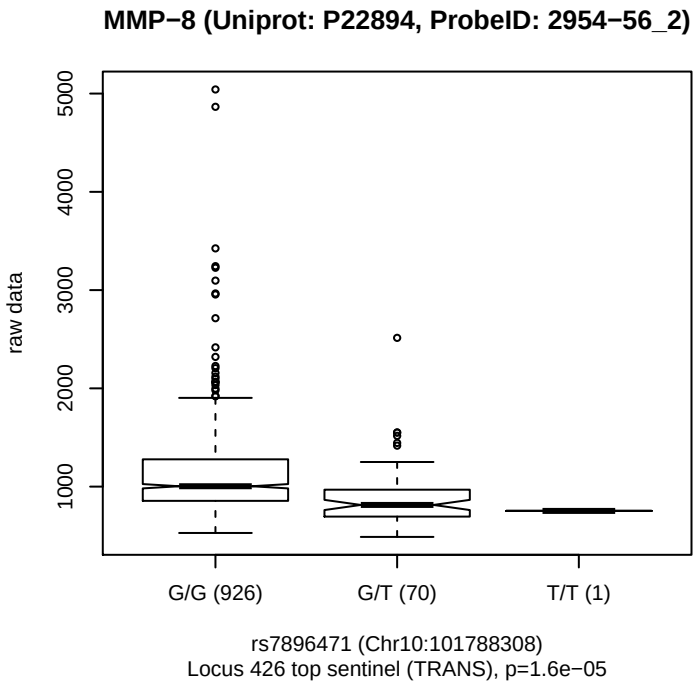

Angiostatin (Uniprot: P00747, ProbeID: 3710−49_2)
Frequency
0
100
200
300
13.0
13.5
14.0
14.5
15.0
15.5
log2−scaled data
Angiostatin

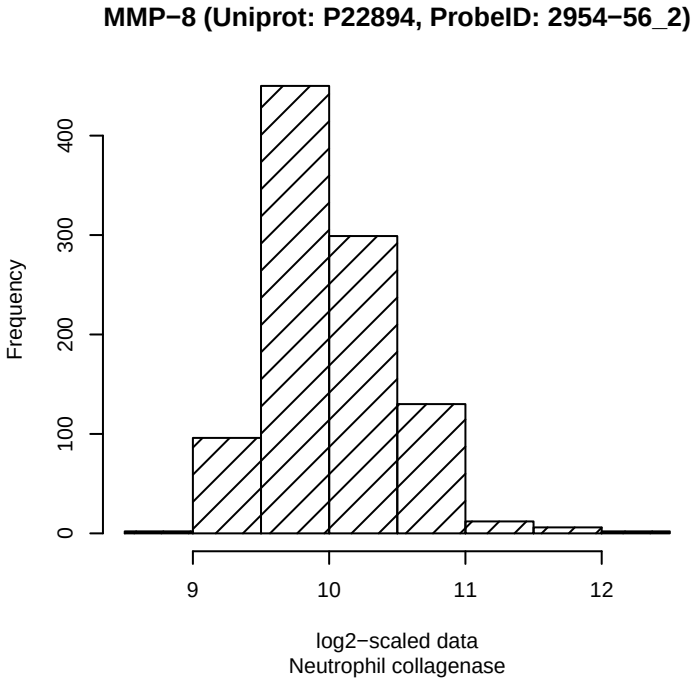

Angiostatin (Uniprot: P00747, ProbeID: 3710−49_2)
log2−scaled data
13.0
13.5
14.0
14.5
15.0
15.5
T/T (882)
T/C (106)
C/C (9)
rs41265930 (Chr6:160964135)
Locus 425 top sentinel (CIS), p=3e−08, FC=−1.0801

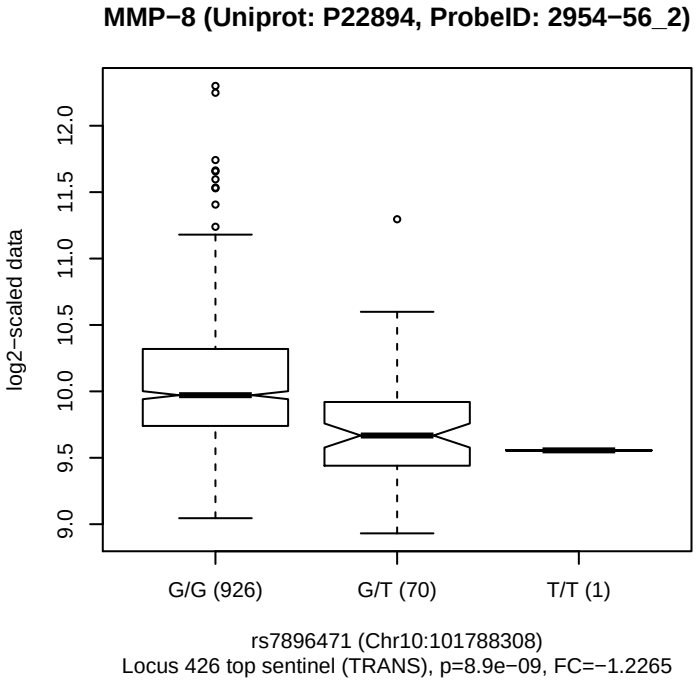

Angiostatin (Uniprot: P00747, ProbeID: 3710−49_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Angiostatin

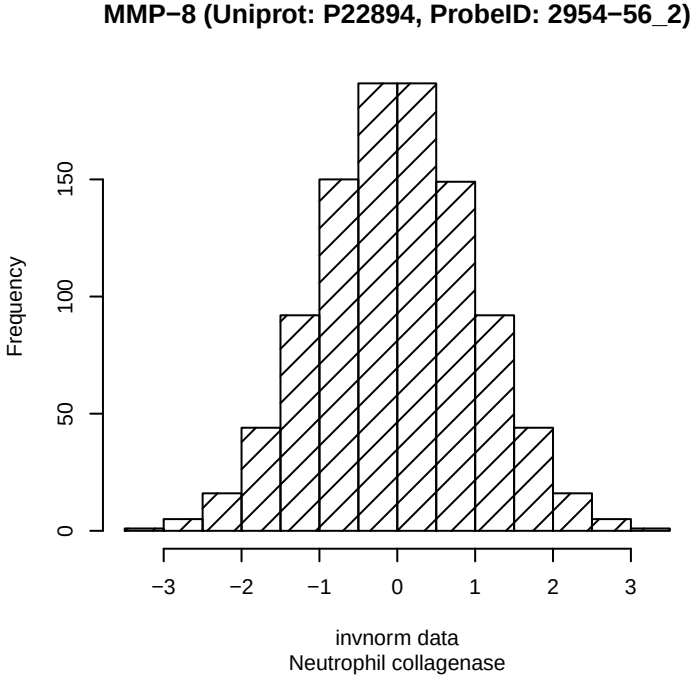

Angiostatin (Uniprot: P00747, ProbeID: 3710−49_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (882)
T/C (106)
C/C (9)
rs41265930 (Chr6:160964135)
Locus 425 top sentinel (CIS), p=3.4e−11

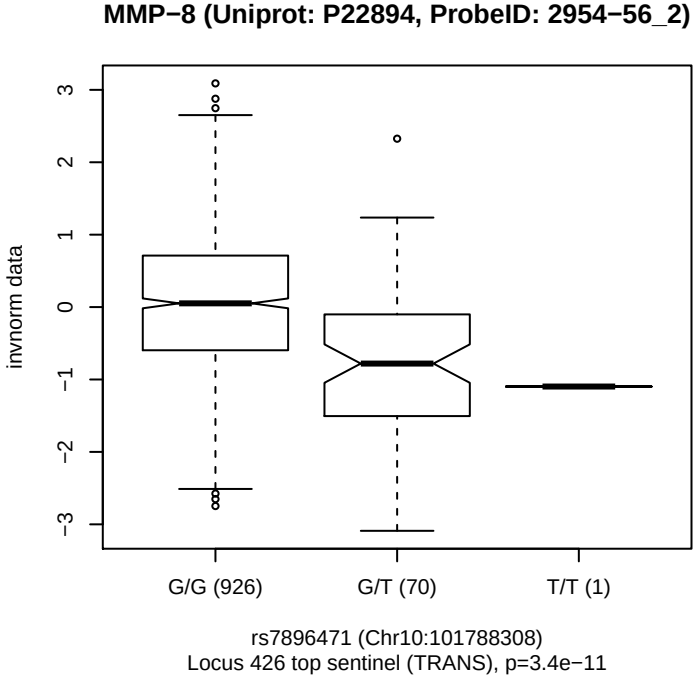

MMP−8 (Uniprot: P22894, ProbeID: 2954−56_2)
Frequency
0
100
200
300
400
500
0
1000
2000
3000
4000
5000
raw data
Neutrophil collagenase

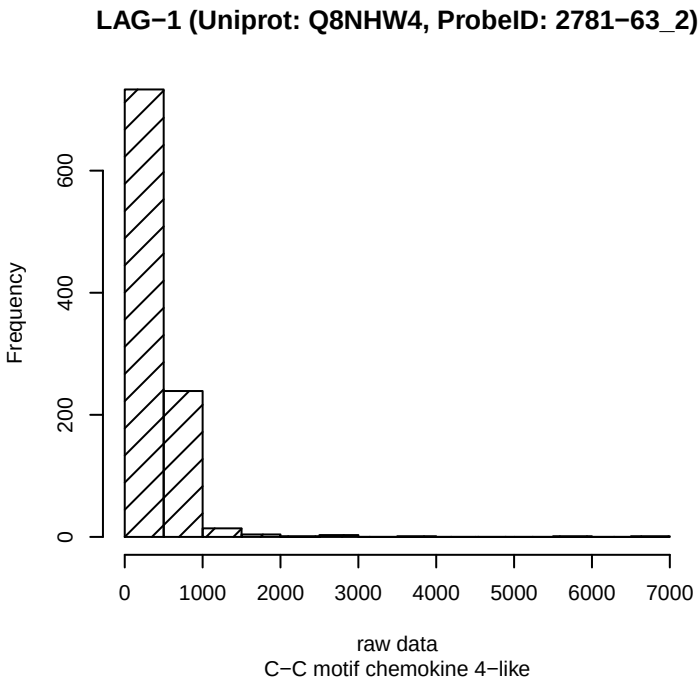

MMP−8 (Uniprot: P22894, ProbeID: 2954−56_2)
raw data
1000
2000
3000
4000
5000
G/G (926)
G/T (70)
T/T (1)
rs7896471 (Chr10:101788308)
Locus 426 top sentinel (TRANS), p=1.6e−05

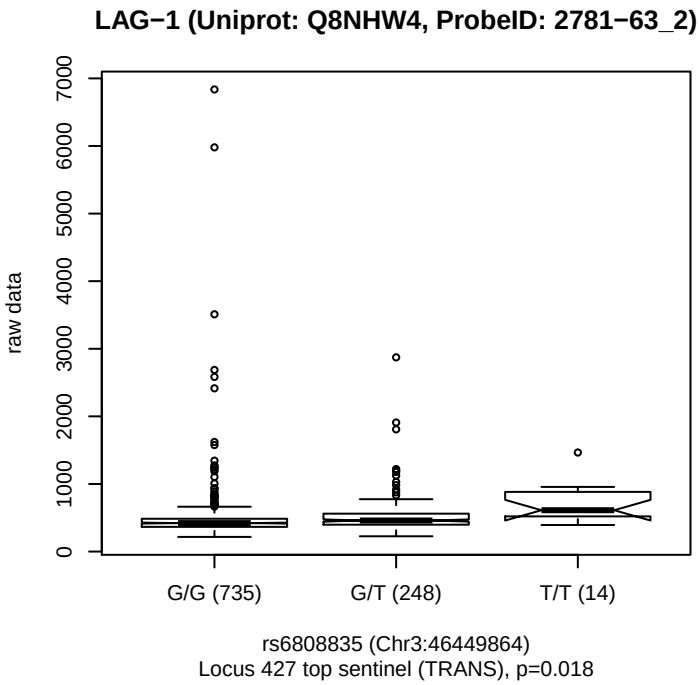

MMP−8 (Uniprot: P22894, ProbeID: 2954−56_2)
Frequency
0
100
200
300
400
9
10
11
12
log2−scaled data
Neutrophil collagenase

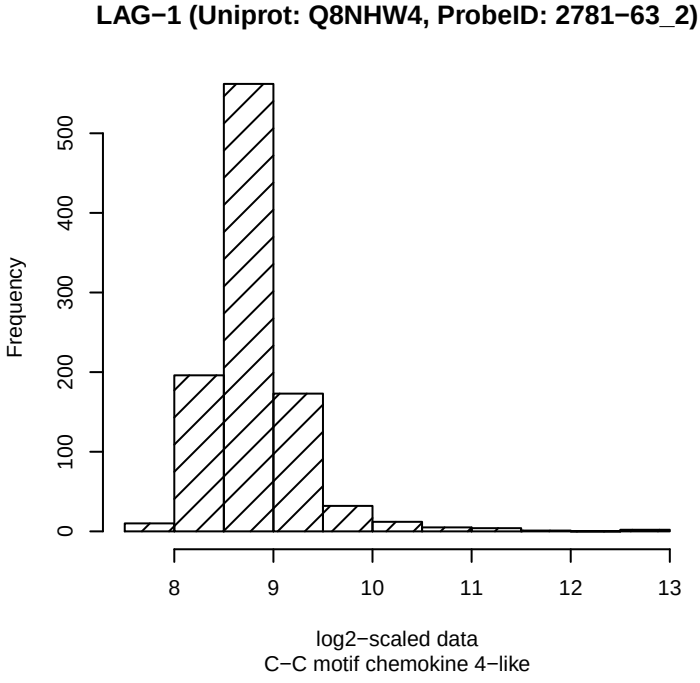

MMP−8 (Uniprot: P22894, ProbeID: 2954−56_2)
log2−scaled data
9.0
9.5
10.0
10.5
11.0
11.5
12.0
G/G (926)
G/T (70)
T/T (1)
rs7896471 (Chr10:101788308)
Locus 426 top sentinel (TRANS), p=8.9e−09, FC=−1.2265

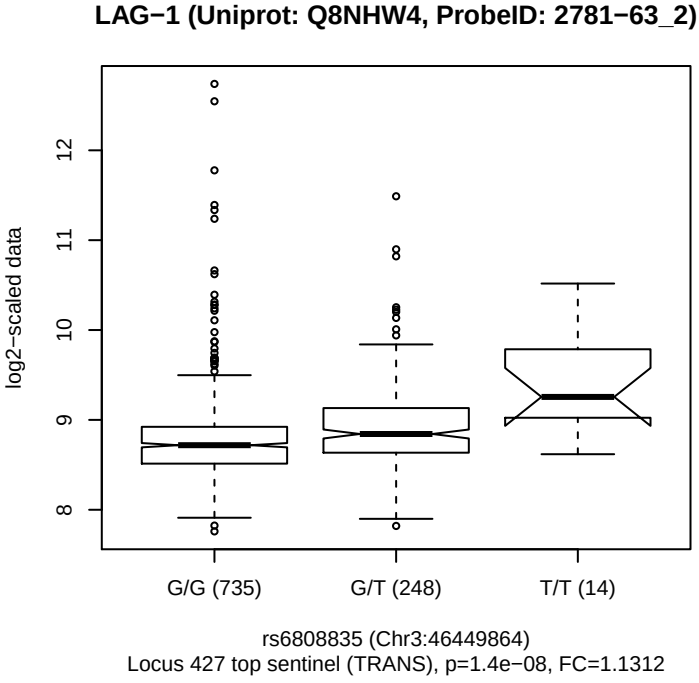

MMP−8 (Uniprot: P22894, ProbeID: 2954−56_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Neutrophil collagenase

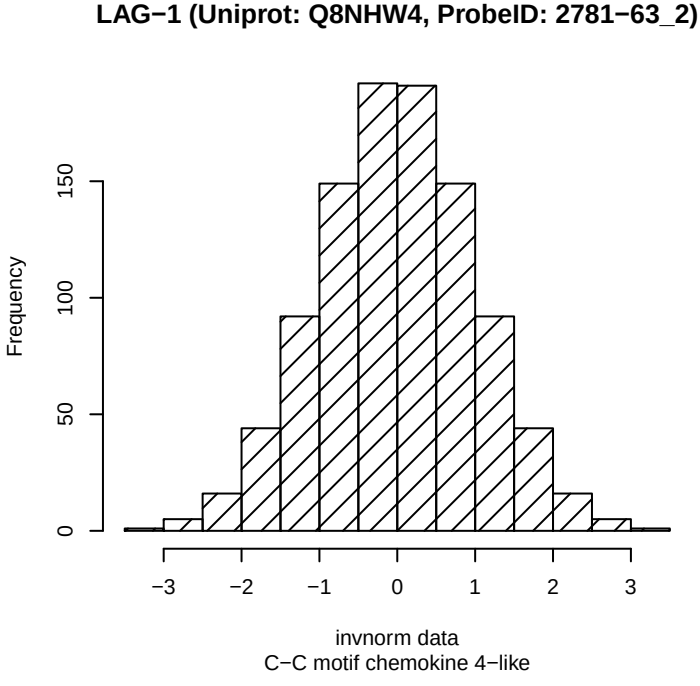

MMP−8 (Uniprot: P22894, ProbeID: 2954−56_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (926)
G/T (70)
T/T (1)
rs7896471 (Chr10:101788308)
Locus 426 top sentinel (TRANS), p=3.4e−11

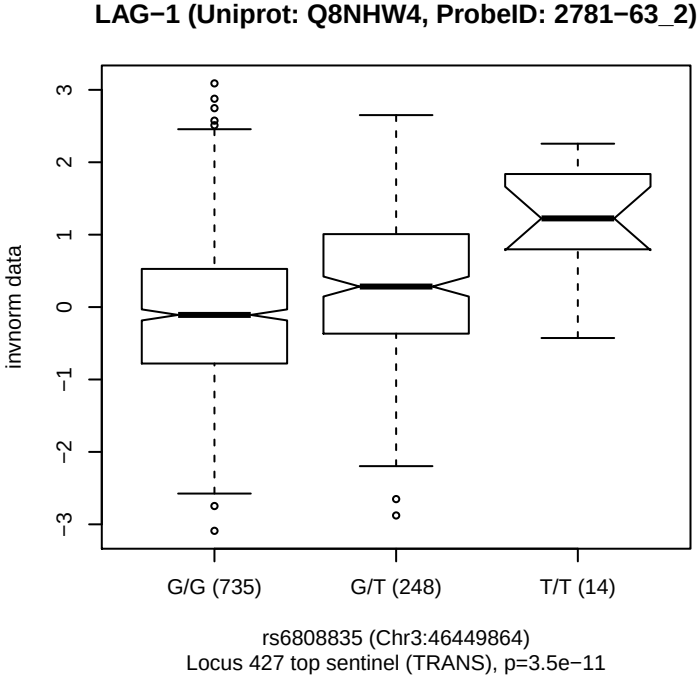

LAG−1 (Uniprot: Q8NHW4, ProbeID: 2781−63_2)
Frequency
0
200
400
600
0
1000
2000
3000
4000
5000
6000
7000
raw data
C−C motif chemokine 4−like

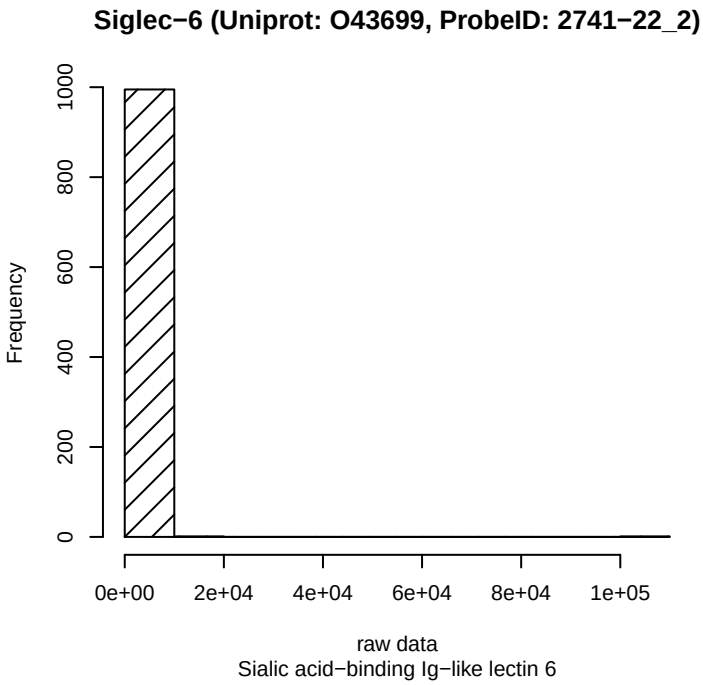

LAG−1 (Uniprot: Q8NHW4, ProbeID: 2781−63_2)
raw data
0
1000
2000
3000
4000
5000
6000
7000
G/G (735)
G/T (248)
T/T (14)
rs6808835 (Chr3:46449864)
Locus 427 top sentinel (TRANS), p=0.018

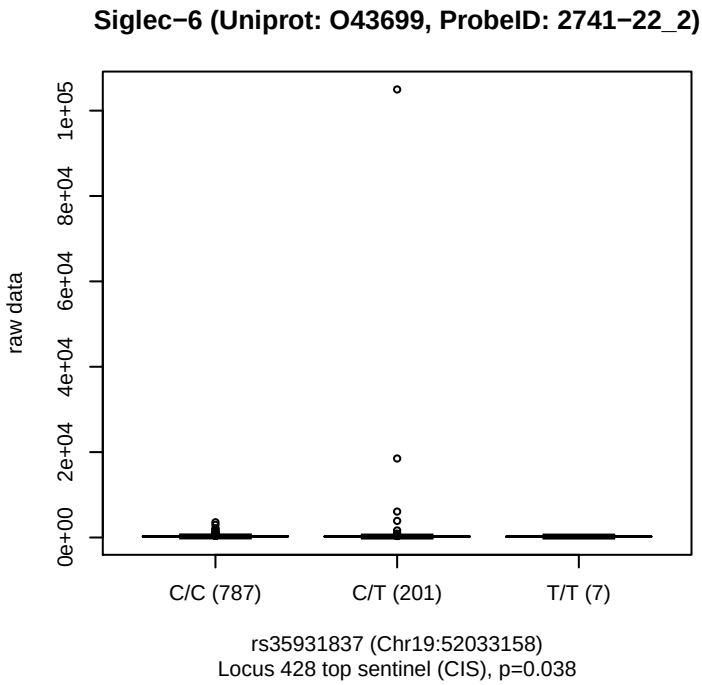

LAG−1 (Uniprot: Q8NHW4, ProbeID: 2781−63_2)
Frequency
0
100
200
300
400
500
8
9
10
11
12
13
log2−scaled data
C−C motif chemokine 4−like

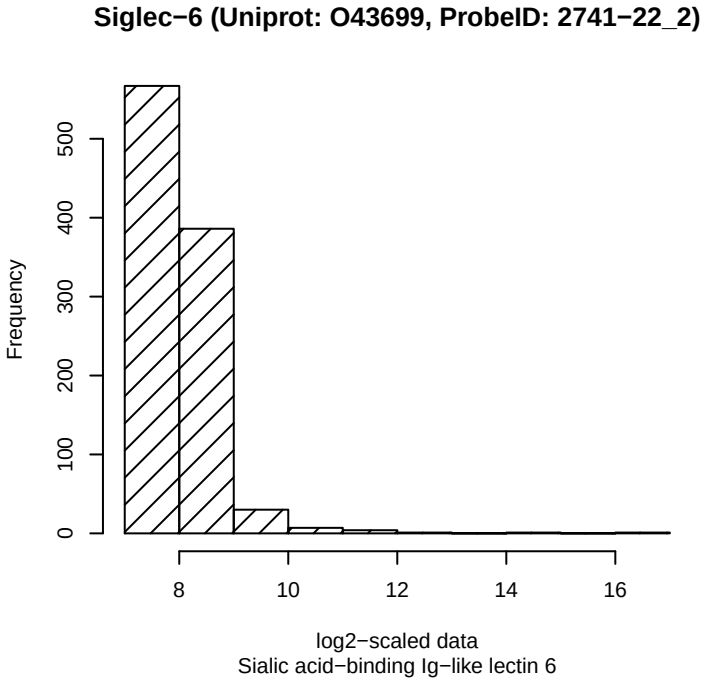

LAG−1 (Uniprot: Q8NHW4, ProbeID: 2781−63_2)
log2−scaled data
8
9
10
11
12
G/G (735)
G/T (248)
T/T (14)
rs6808835 (Chr3:46449864)
Locus 427 top sentinel (TRANS), p=1.4e−08, FC=1.1312

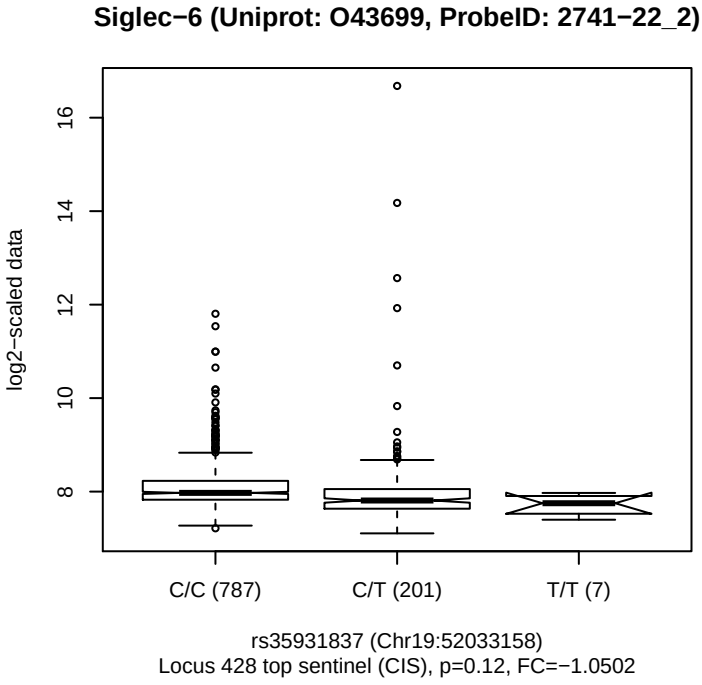

LAG−1 (Uniprot: Q8NHW4, ProbeID: 2781−63_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 4−like

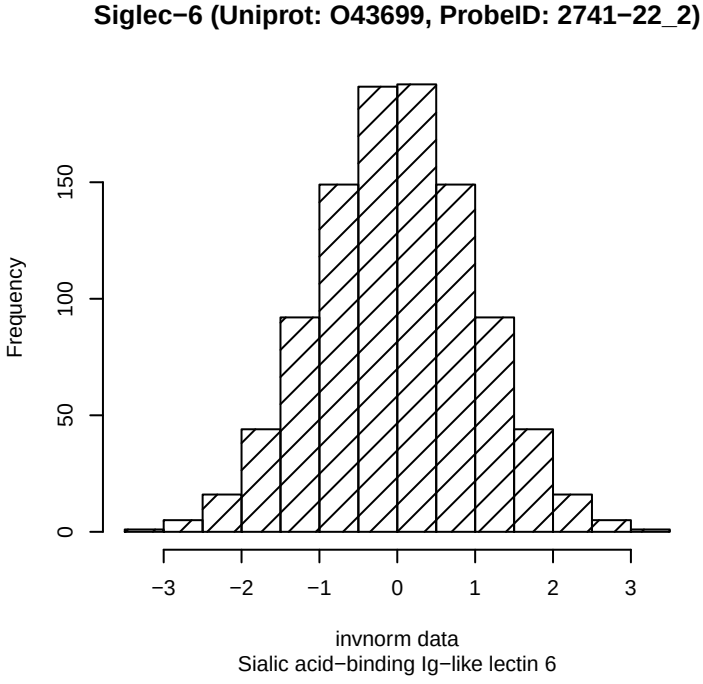

LAG−1 (Uniprot: Q8NHW4, ProbeID: 2781−63_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (735)
G/T (248)
T/T (14)
rs6808835 (Chr3:46449864)
Locus 427 top sentinel (TRANS), p=3.5e−11

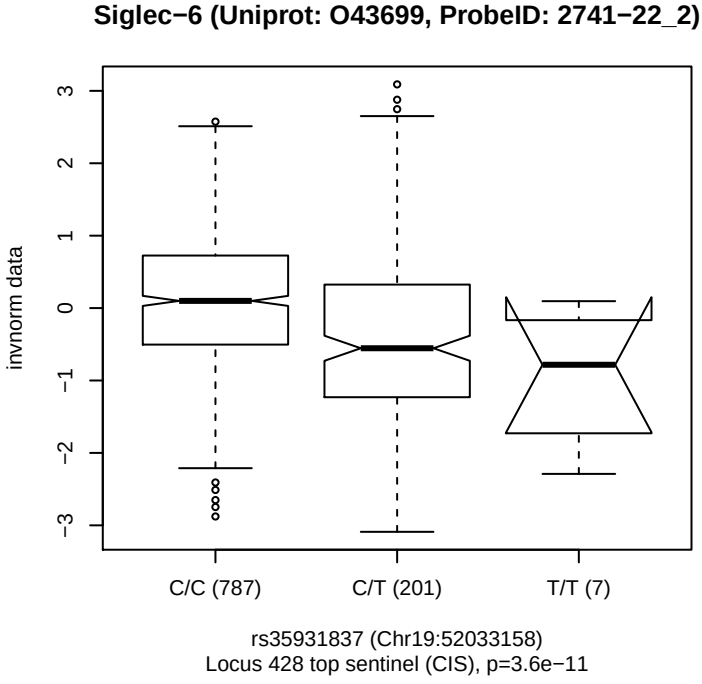

Siglec−6 (Uniprot: O43699, ProbeID: 2741−22_2)
Frequency
0
200
400
600
800
1000
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
raw data
Sialic acid−binding Ig−like lectin 6

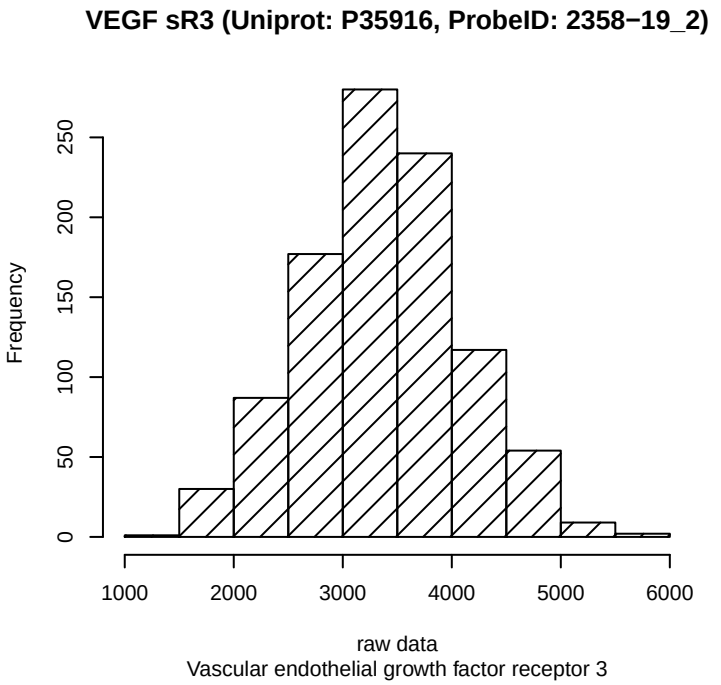

Siglec−6 (Uniprot: O43699, ProbeID: 2741−22_2)
raw data
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
C/C (787)
C/T (201)
T/T (7)
rs35931837 (Chr19:52033158)
Locus 428 top sentinel (CIS), p=0.038

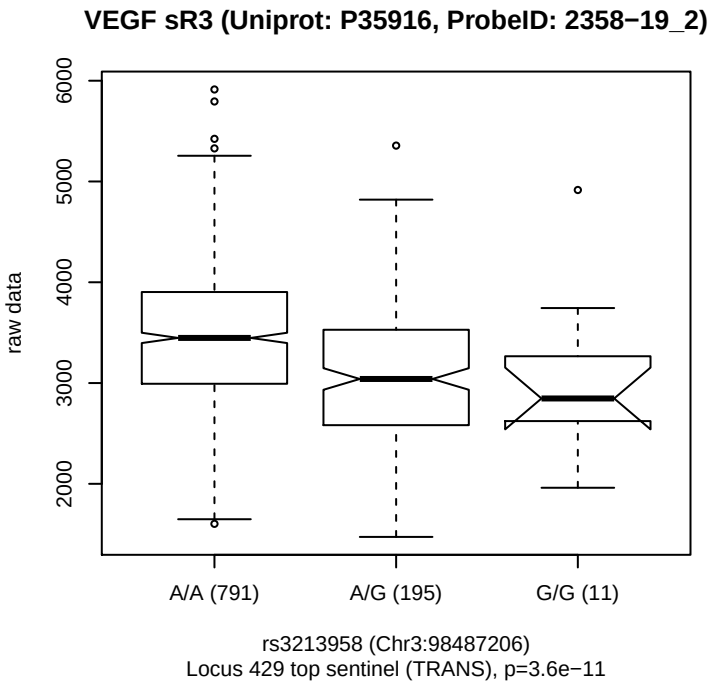

Siglec−6 (Uniprot: O43699, ProbeID: 2741−22_2)
Frequency
0
100
200
300
400
500
8
10
12
14
16
log2−scaled data
Sialic acid−binding Ig−like lectin 6

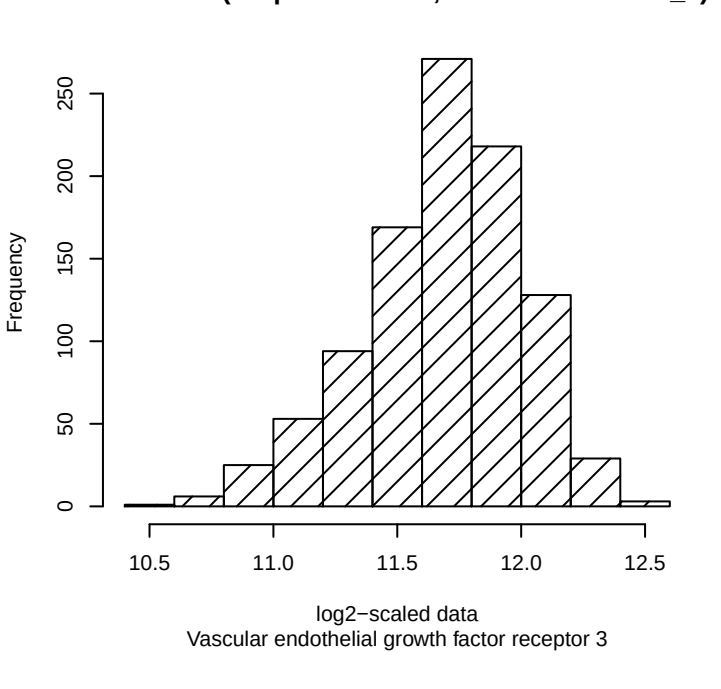

Siglec−6 (Uniprot: O43699, ProbeID: 2741−22_2)
log2−scaled data
8
10
12
14
16
C/C (787)
C/T (201)
T/T (7)
rs35931837 (Chr19:52033158)
Locus 428 top sentinel (CIS), p=0.12, FC=−1.0502

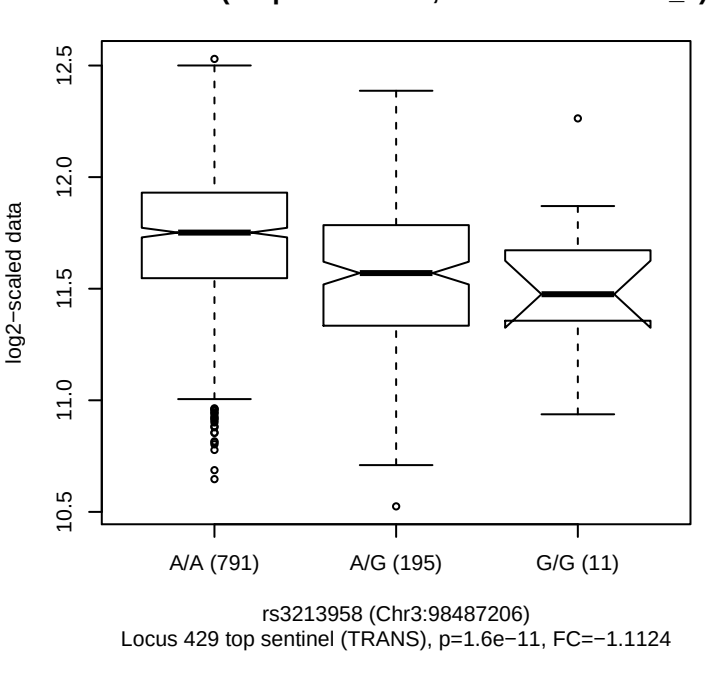

Siglec−6 (Uniprot: O43699, ProbeID: 2741−22_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Sialic acid−binding Ig−like lectin 6

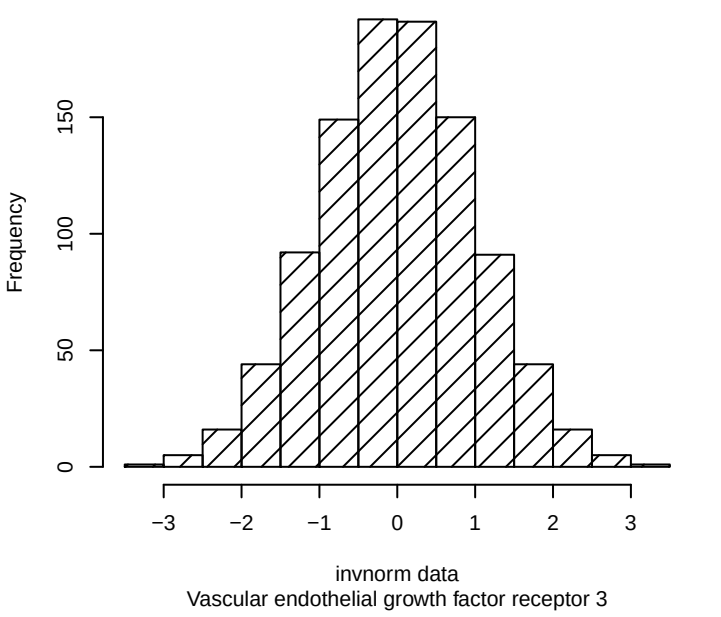

Siglec−6 (Uniprot: O43699, ProbeID: 2741−22_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (787)
C/T (201)
T/T (7)
rs35931837 (Chr19:52033158)
Locus 428 top sentinel (CIS), p=3.6e−11

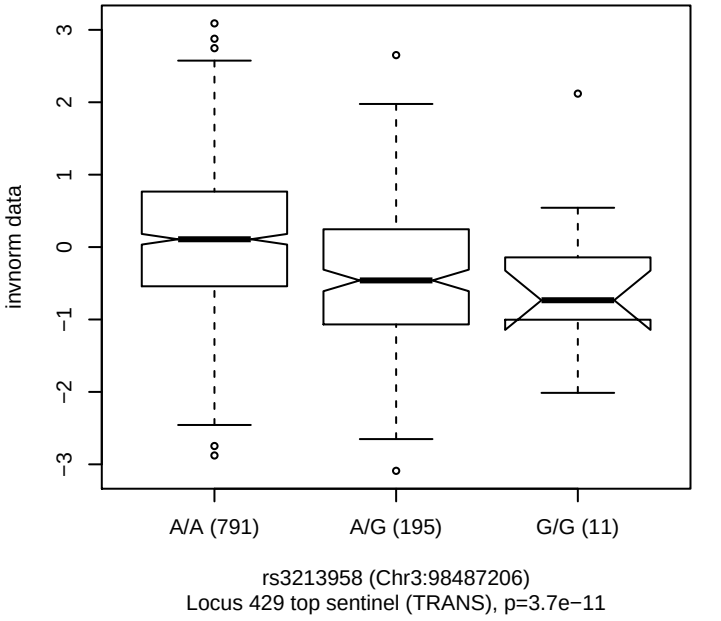

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
Frequency
0
50
100
150
200
250
1000
2000
3000
4000
5000
6000
raw data
Vascular endothelial growth factor receptor 3

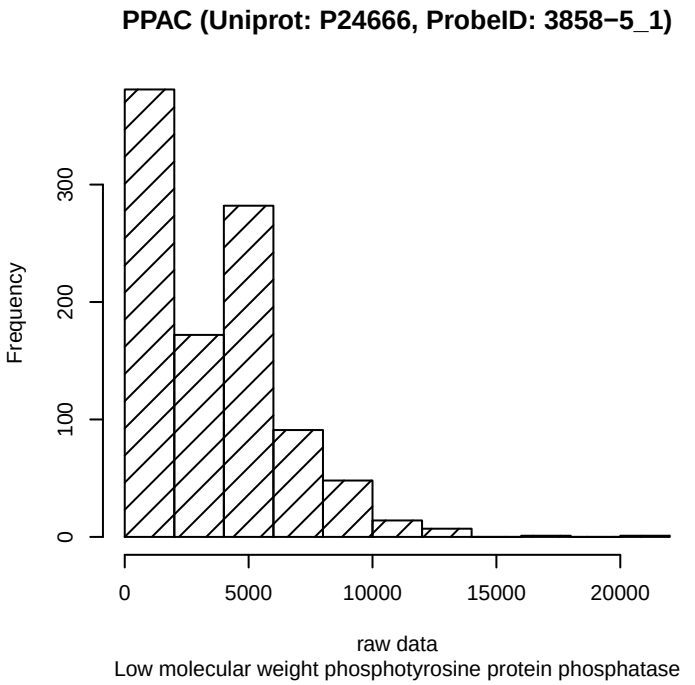

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
raw data
2000
3000
4000
5000
6000
A/A (791)
A/G (195)
G/G (11)
rs3213958 (Chr3:98487206)
Locus 429 top sentinel (TRANS), p=3.6e−11

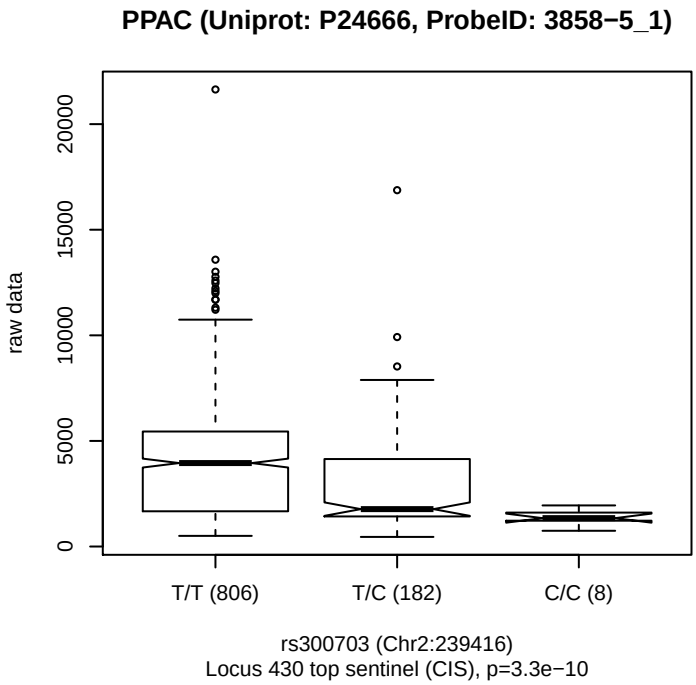

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
Frequency
0
50
100
150
200
250
10.5
11.0
11.5
12.0
12.5
log2−scaled data
Vascular endothelial growth factor receptor 3

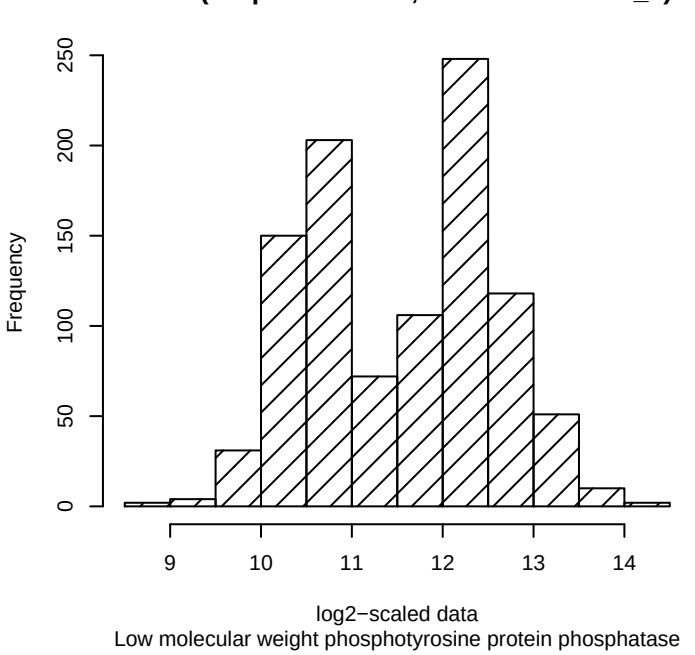

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
log2−scaled data
10.5
11.0
11.5
12.0
12.5
A/A (791)
A/G (195)
G/G (11)
rs3213958 (Chr3:98487206)
Locus 429 top sentinel (TRANS), p=1.6e−11, FC=−1.1124

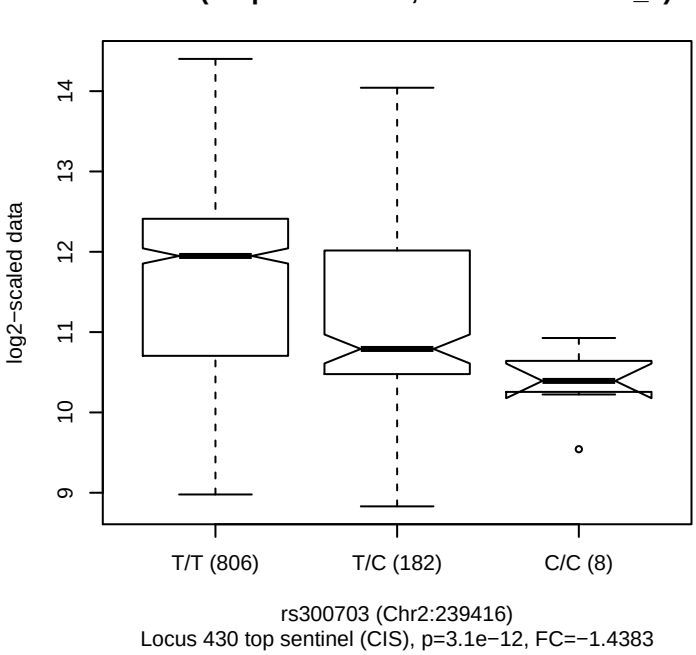

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Vascular endothelial growth factor receptor 3

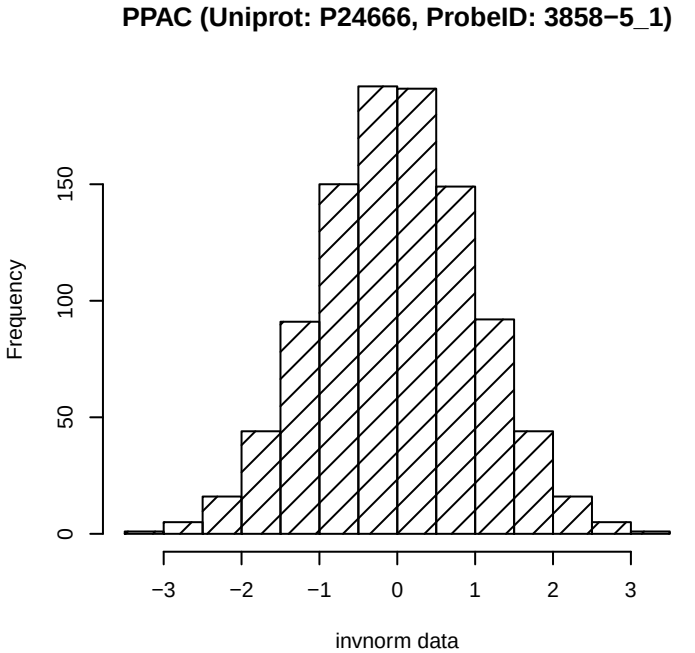

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (791)
A/G (195)
G/G (11)
rs3213958 (Chr3:98487206)
Locus 429 top sentinel (TRANS), p=3.7e−11

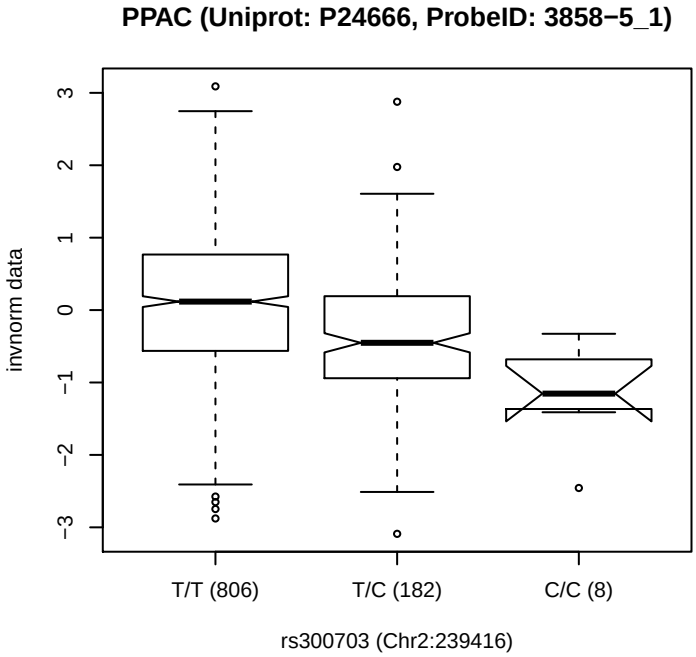

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
Frequency
0
100
200
300
0
5000
10000
15000
20000
raw data
Low molecular weight phosphotyrosine protein phosphatase

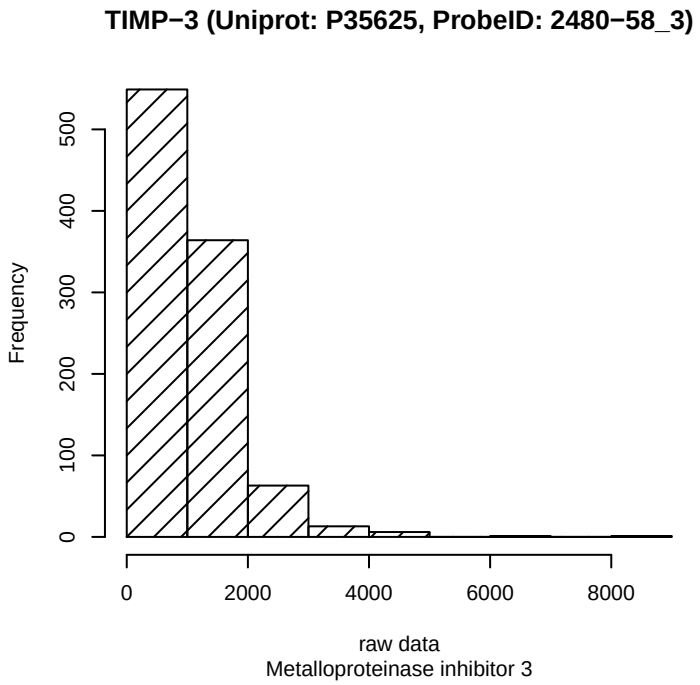

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
raw data
0
5000
10000
15000
20000
T/T (806)
T/C (182)
C/C (8)
rs300703 (Chr2:239416)
Locus 430 top sentinel (CIS), p=3.3e−10

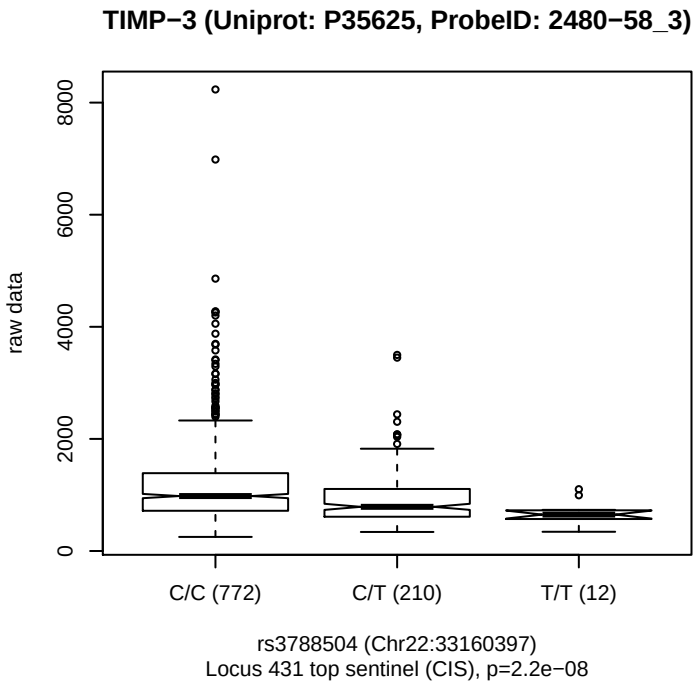

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
Frequency
0
50
100
150
200
250
9
10
11
12
13
14
log2−scaled data
Low molecular weight phosphotyrosine protein phosphatase

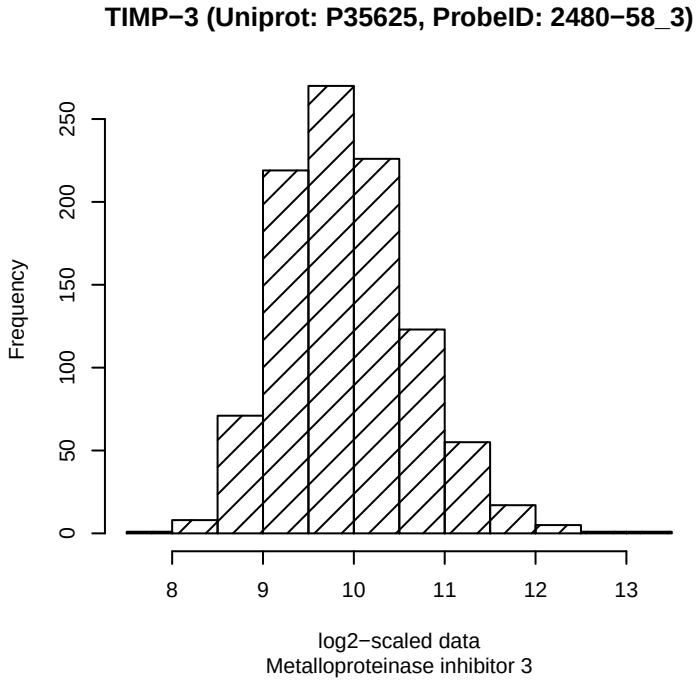

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
log2−scaled data
9
10
11
12
13
14
T/T (806)
T/C (182)
C/C (8)
rs300703 (Chr2:239416)
Locus 430 top sentinel (CIS), p=3.1e−12, FC=−1.4383

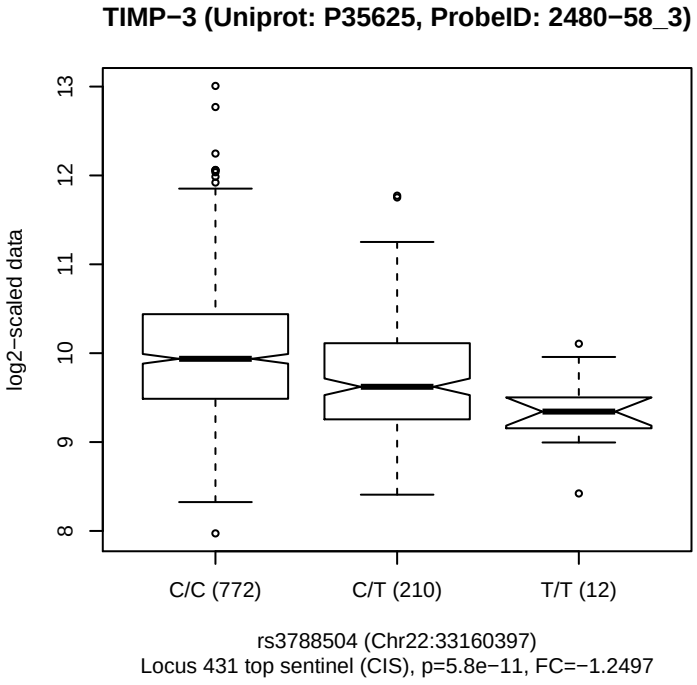

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Low molecular weight phosphotyrosine protein phosphatase

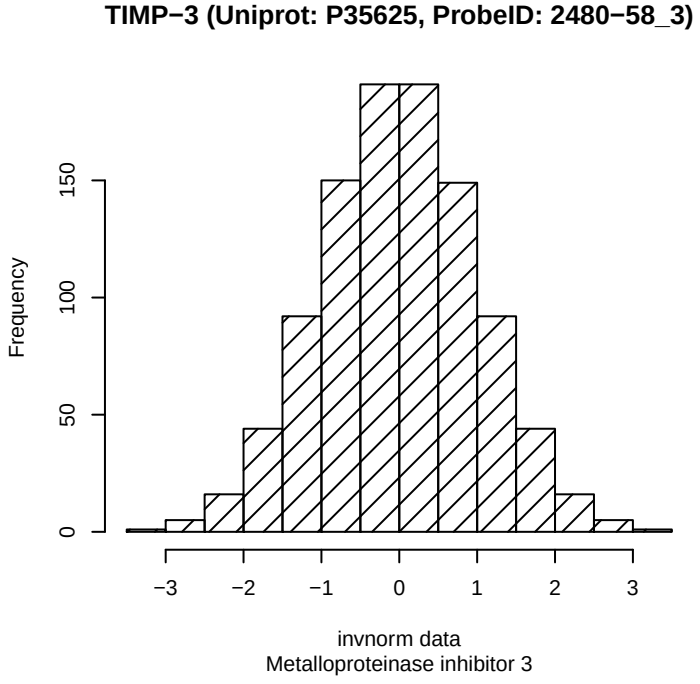

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
invnorm data
−3
−2
−1
0
1
2
3
T/T (806)
T/C (182)
C/C (8)
rs300703 (Chr2:239416)
Locus 430 top sentinel (CIS), p=3.8e−11

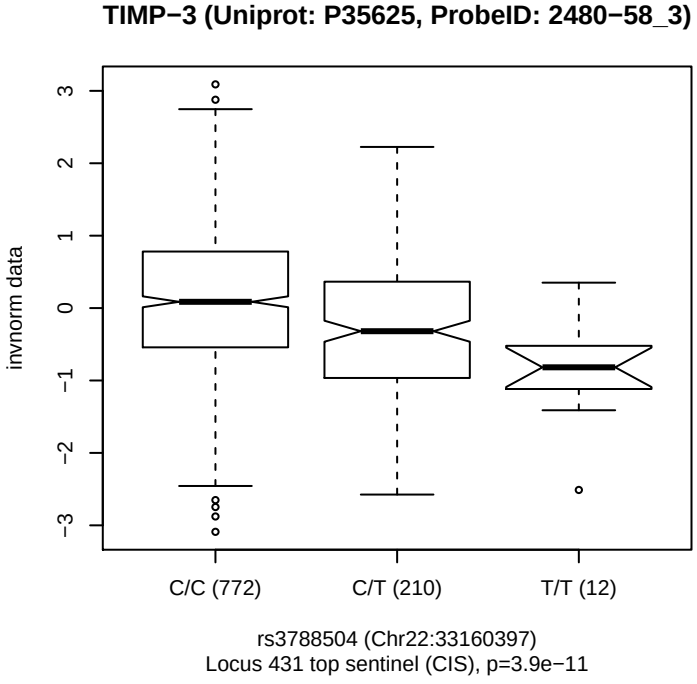

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
Frequency
0
100
200
300
400
500
0
2000
4000
6000
8000
raw data
Metalloproteinase inhibitor 3

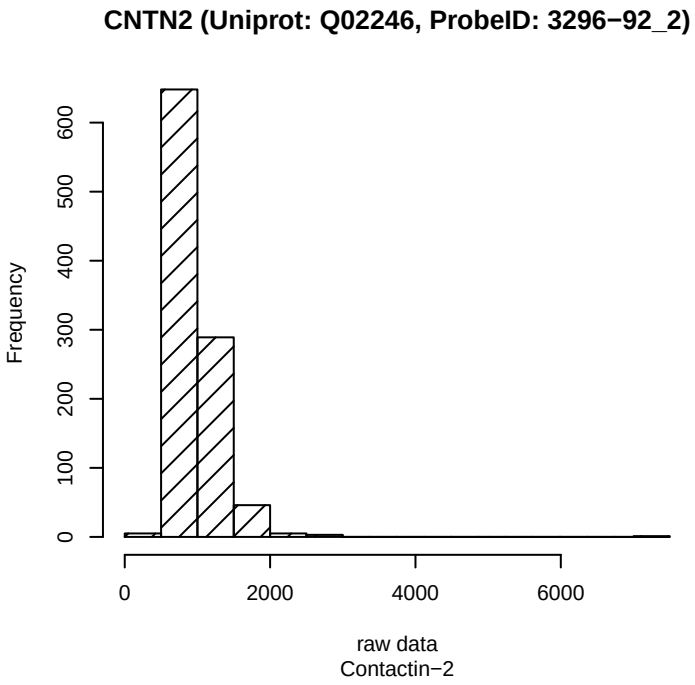

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
raw data
0
2000
4000
6000
8000
C/C (772)
C/T (210)
T/T (12)
rs3788504 (Chr22:33160397)
Locus 431 top sentinel (CIS), p=2.2e−08

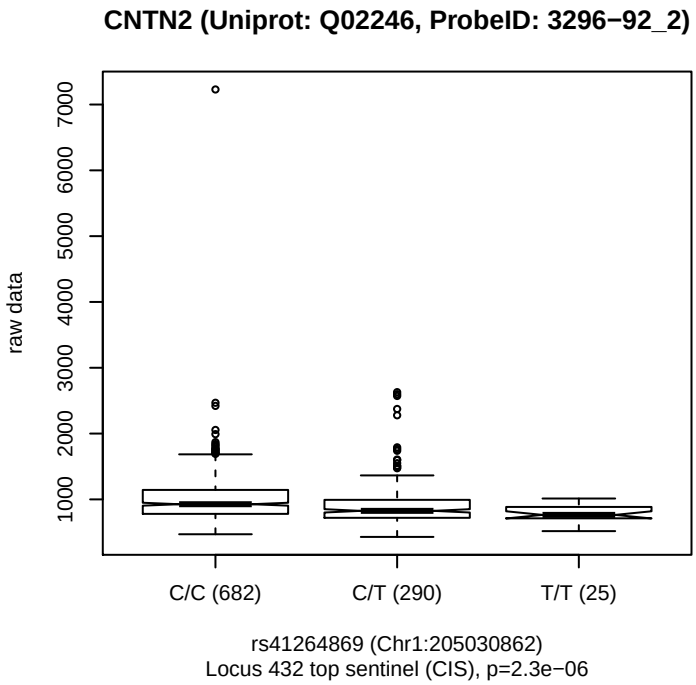

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
Frequency
0
50
100
150
200
250
8
9
10
11
12
13
log2−scaled data
Metalloproteinase inhibitor 3

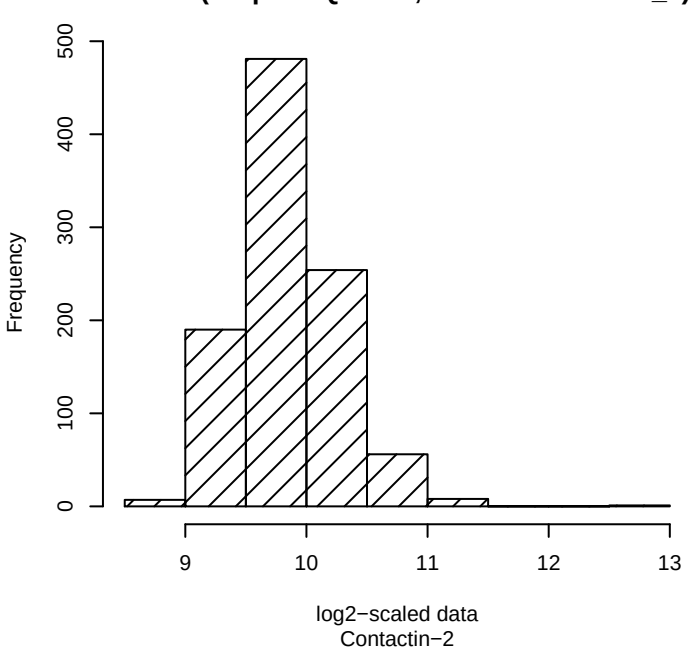

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
log2−scaled data
8
9
10
11
12
13
C/C (772)
C/T (210)
T/T (12)
rs3788504 (Chr22:33160397)
Locus 431 top sentinel (CIS), p=5.8e−11, FC=−1.2497

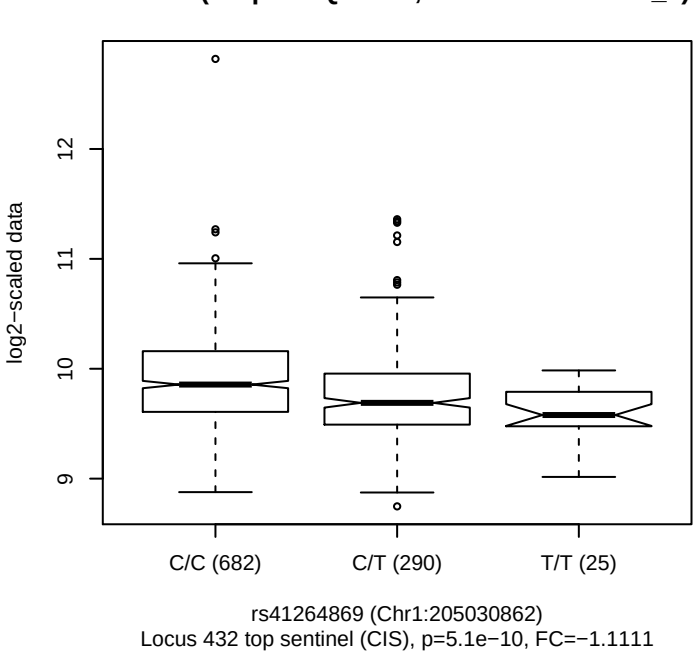

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Metalloproteinase inhibitor 3

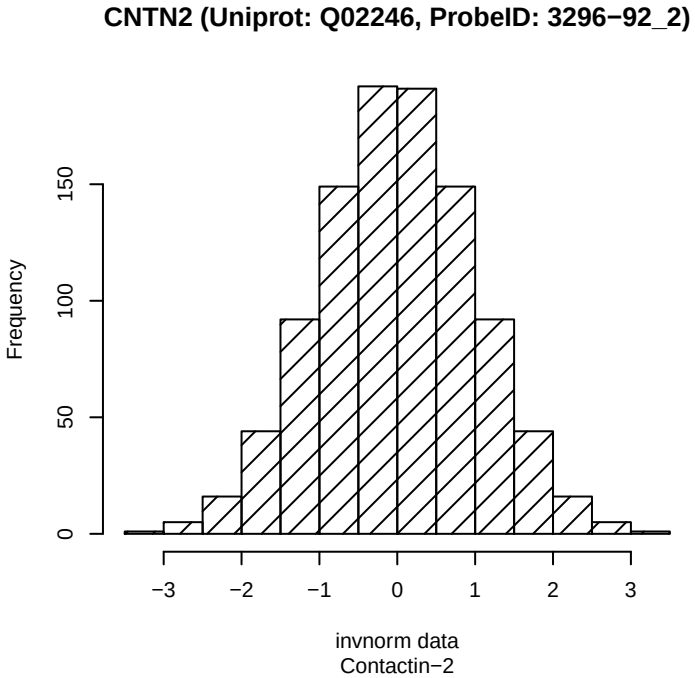

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
invnorm data
−3
−2
−1
0
1
2
3
C/C (772)
C/T (210)
T/T (12)
rs3788504 (Chr22:33160397)
Locus 431 top sentinel (CIS), p=3.9e−11

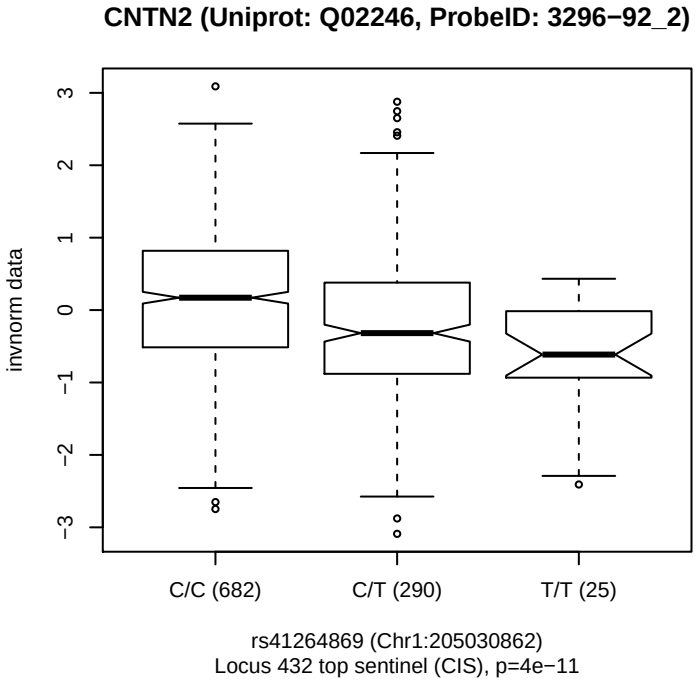

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
Frequency
0
100
200
300
400
500
600
0
2000
4000
6000
raw data
Contactin−2

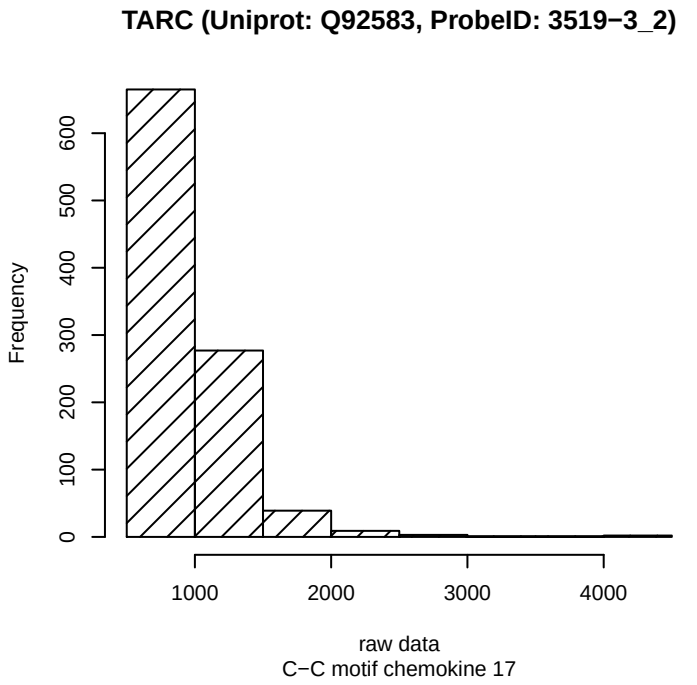

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
raw data
1000
2000
3000
4000
5000
6000
7000
C/C (682)
C/T (290)
T/T (25)
rs41264869 (Chr1:205030862)
Locus 432 top sentinel (CIS), p=2.3e−06

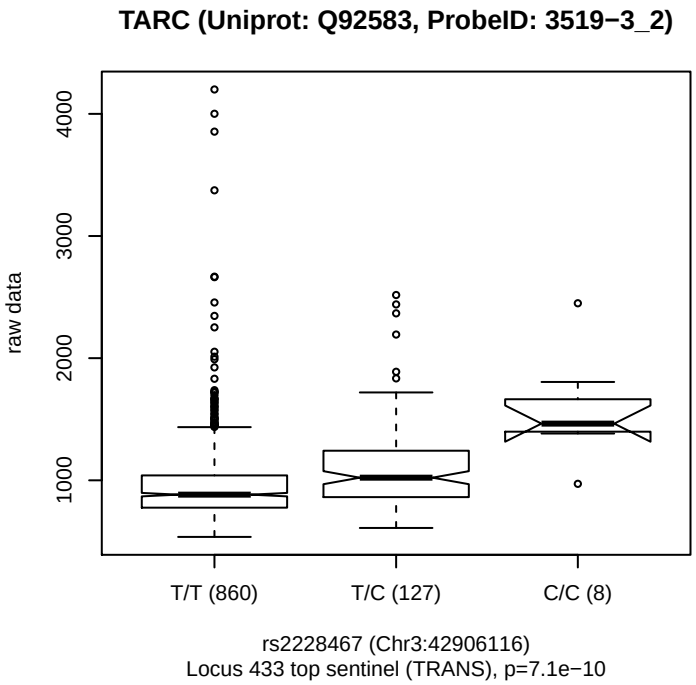

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
Frequency
0
100
200
300
400
500
9
10
11
12
13
log2−scaled data
Contactin−2

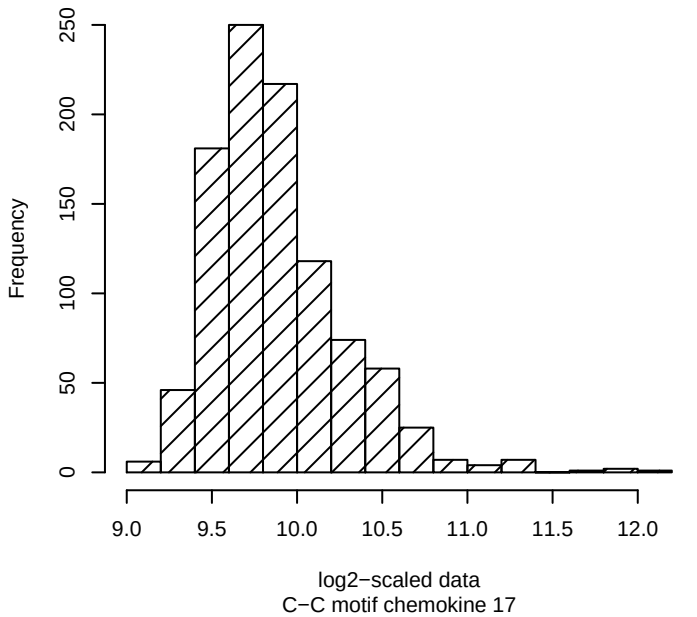

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
log2−scaled data
9
10
11
12
C/C (682)
C/T (290)
T/T (25)
rs41264869 (Chr1:205030862)
Locus 432 top sentinel (CIS), p=5.1e−10, FC=−1.1111

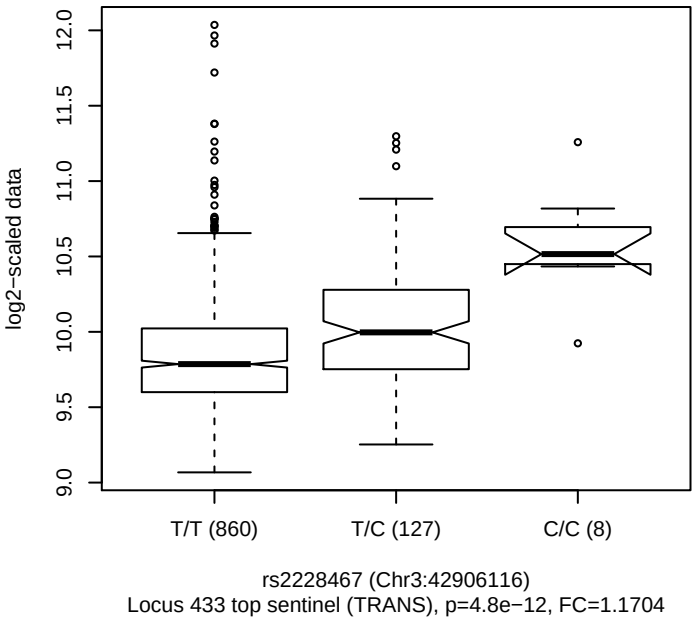

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Contactin−2

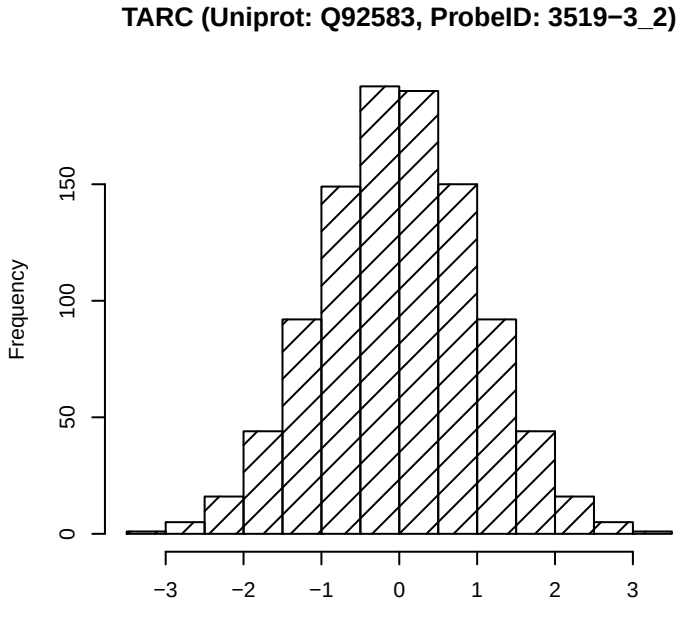

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (682)
C/T (290)
T/T (25)
rs41264869 (Chr1:205030862)
Locus 432 top sentinel (CIS), p=4e−11

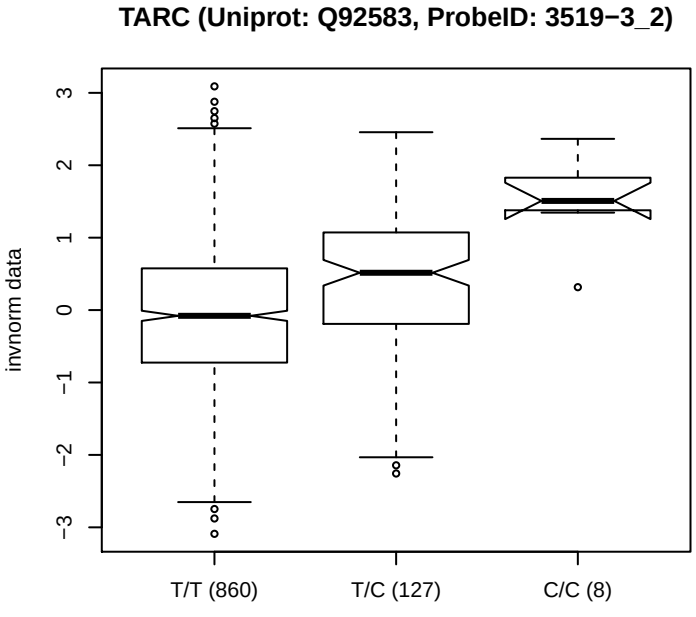

TARC (Uniprot: Q92583, ProbeID: 3519−3_2)
Frequency
0
100
200
300
400
500
600
1000
2000
3000
4000
raw data
C−C motif chemokine 17

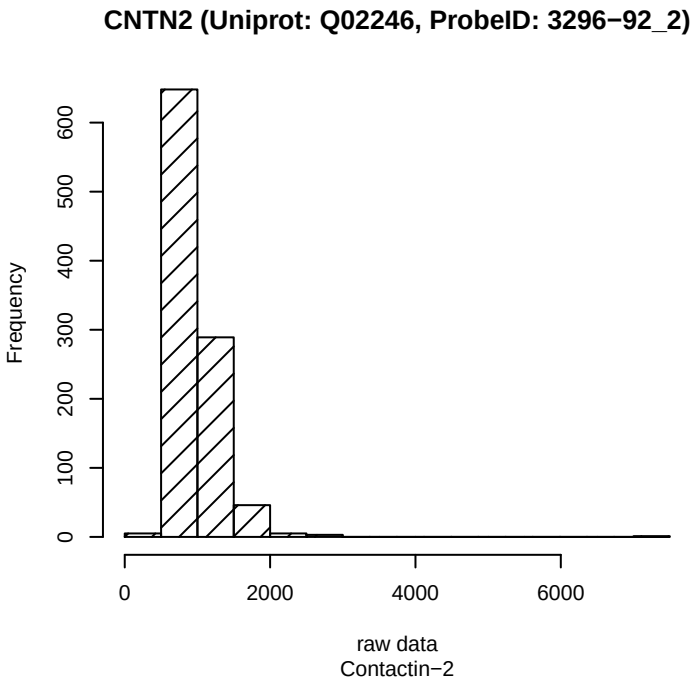

TARC (Uniprot: Q92583, ProbeID: 3519−3_2)
raw data
1000
2000
3000
4000
T/T (860)
T/C (127)
C/C (8)
rs2228467 (Chr3:42906116)
Locus 433 top sentinel (TRANS), p=7.1e−10

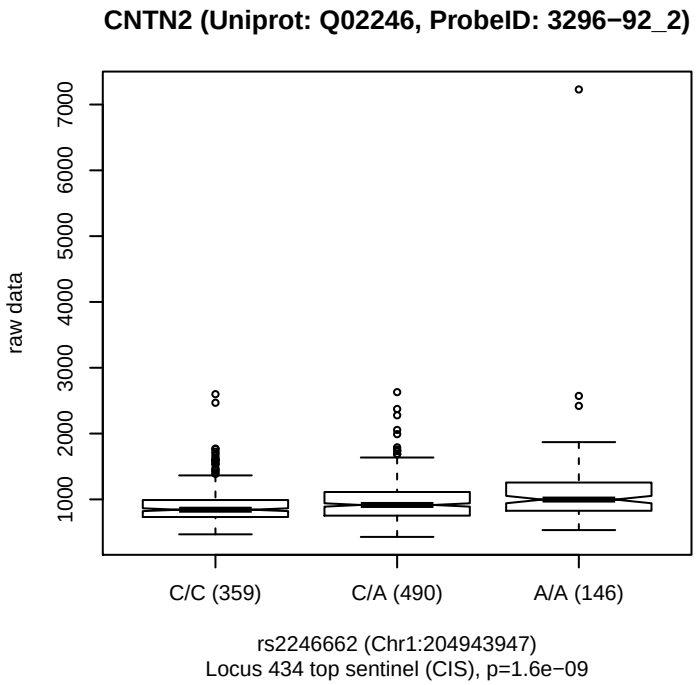

TARC (Uniprot: Q92583, ProbeID: 3519−3_2)
Frequency
0
50
100
150
200
250
9.0
9.5
10.0
10.5
11.0
11.5
12.0
log2−scaled data
C−C motif chemokine 17

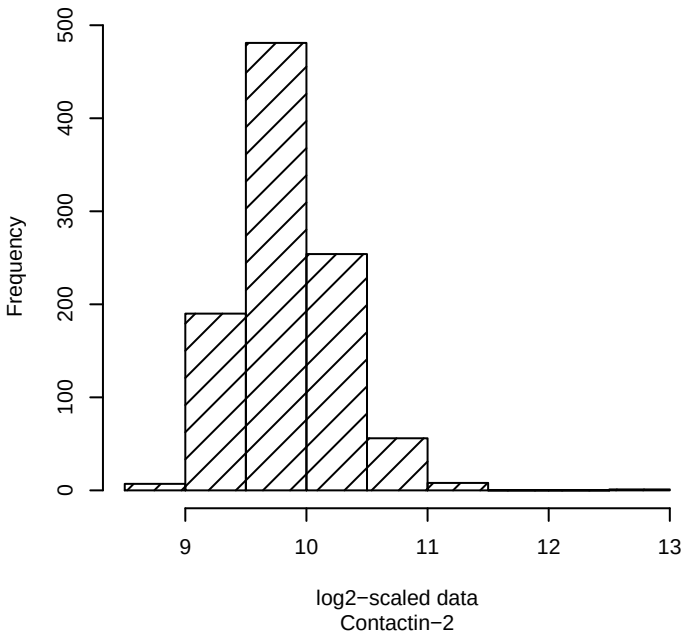

TARC (Uniprot: Q92583, ProbeID: 3519−3_2)
log2−scaled data
9.0
9.5
10.0
10.5
11.0
11.5
12.0
T/T (860)
T/C (127)
C/C (8)
rs2228467 (Chr3:42906116)
Locus 433 top sentinel (TRANS), p=4.8e−12, FC=1.1704

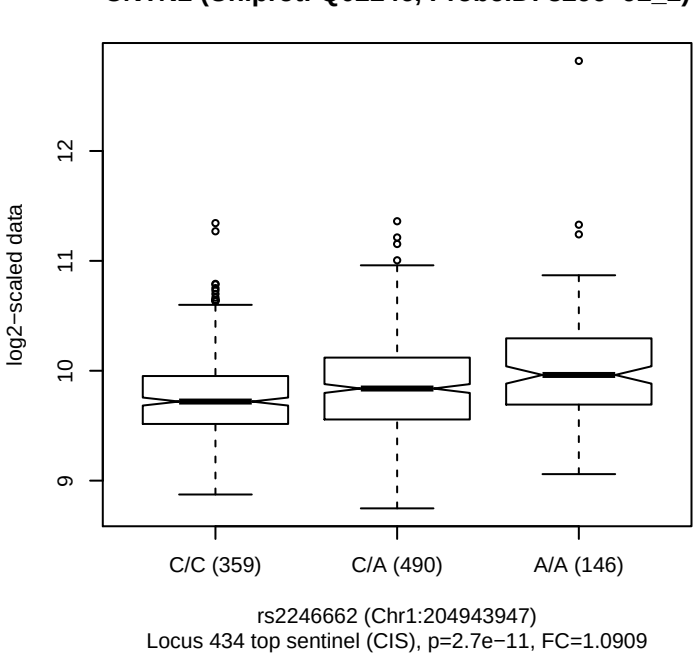

TARC (Uniprot: Q92583, ProbeID: 3519−3_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 17

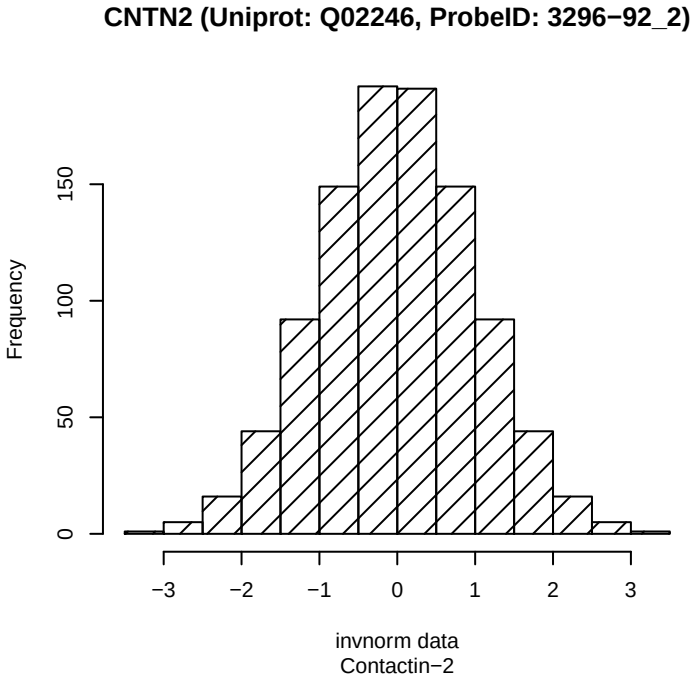

TARC (Uniprot: Q92583, ProbeID: 3519−3_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (860)
T/C (127)
C/C (8)
rs2228467 (Chr3:42906116)
Locus 433 top sentinel (TRANS), p=4.2e−11

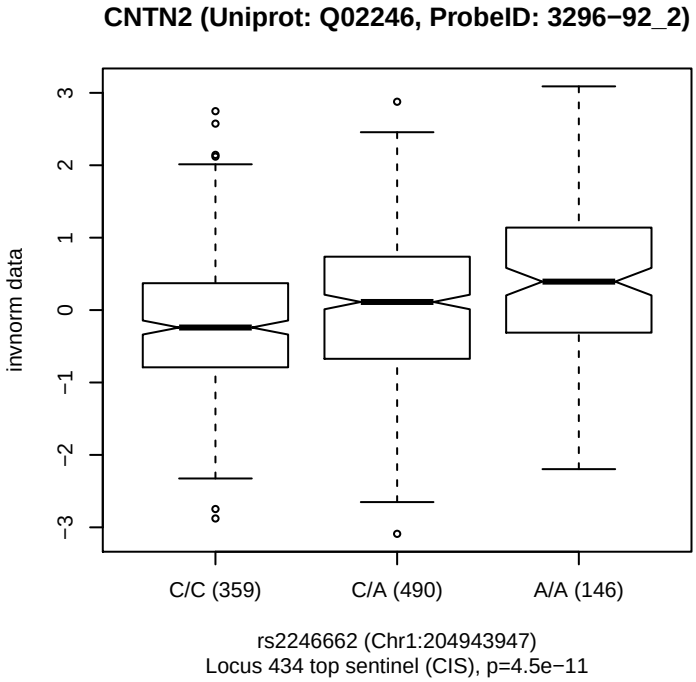

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
Frequency
0
100
200
300
400
500
600
0
2000
4000
6000
raw data
Contactin−2

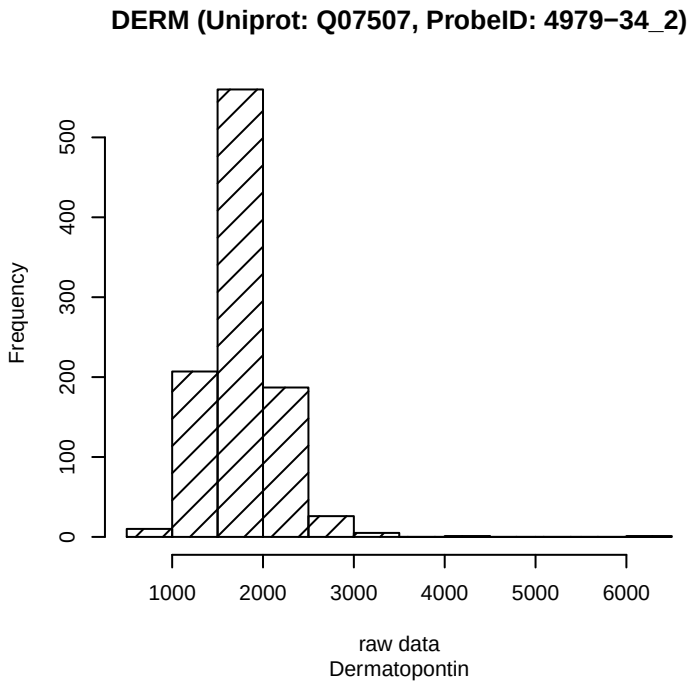

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
raw data
1000
2000
3000
4000
5000
6000
7000
C/C (359)
C/A (490)
A/A (146)
rs2246662 (Chr1:204943947)
Locus 434 top sentinel (CIS), p=1.6e−09

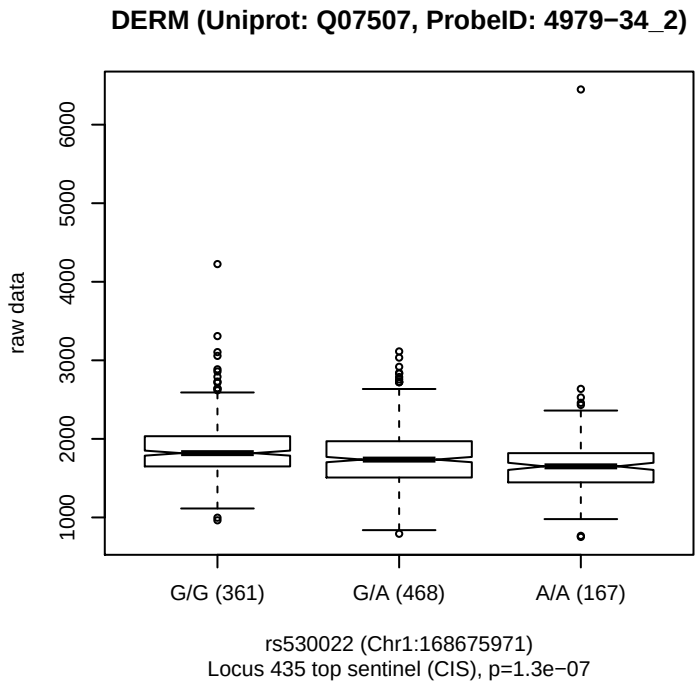

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
Frequency
0
100
200
300
400
500
9
10
11
12
13
log2−scaled data
Contactin−2

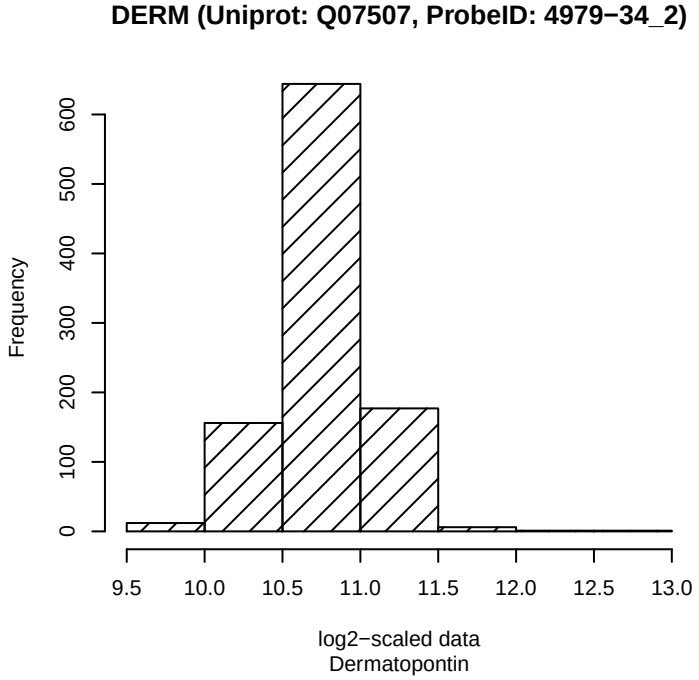

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
log2−scaled data
9
10
11
12
C/C (359)
C/A (490)
A/A (146)
rs2246662 (Chr1:204943947)
Locus 434 top sentinel (CIS), p=2.7e−11, FC=1.0909

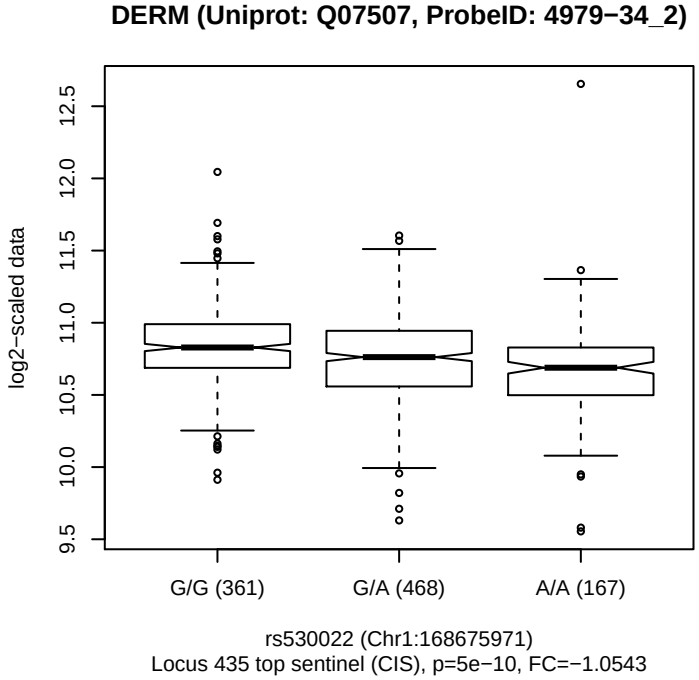

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Contactin−2

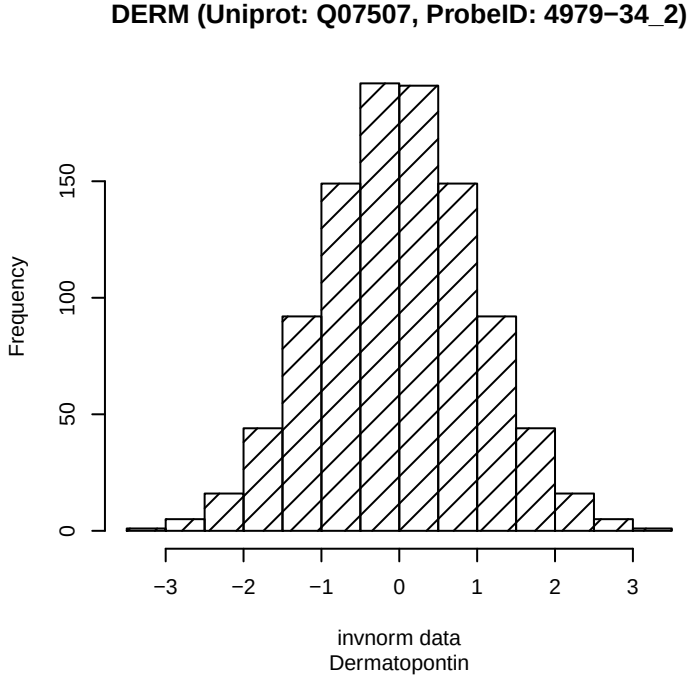

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
invnorm data
−3
−2
−1
0
1
2
3
C/C (359)
C/A (490)
A/A (146)
rs2246662 (Chr1:204943947)
Locus 434 top sentinel (CIS), p=4.5e−11

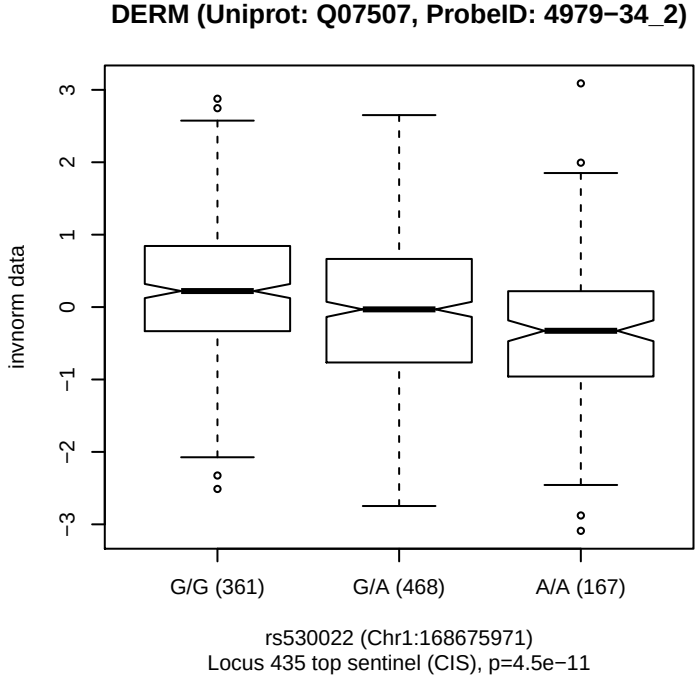

DERM (Uniprot: Q07507, ProbeID: 4979−34_2)
Frequency
0
100
200
300
400
500
1000
2000
3000
4000
5000
6000
raw data
Dermatopontin

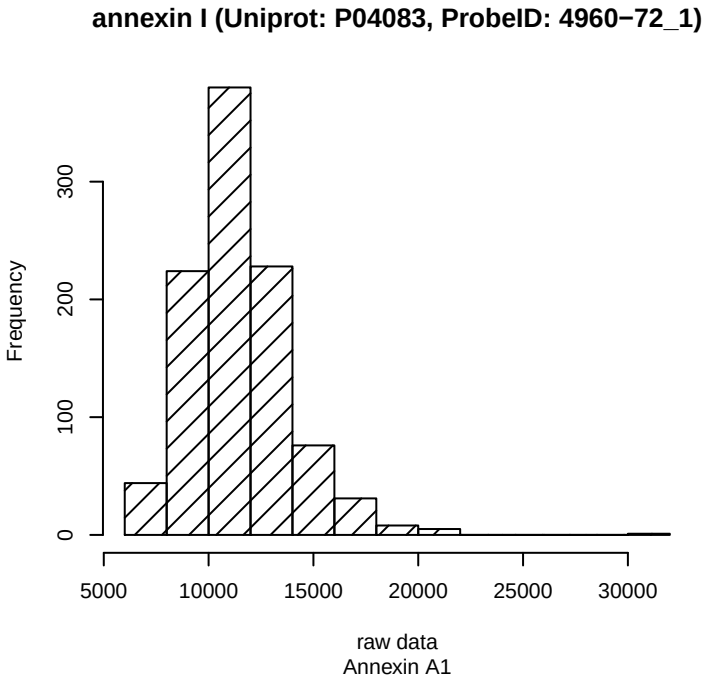

DERM (Uniprot: Q07507, ProbeID: 4979−34_2)
raw data
1000
2000
3000
4000
5000
6000
G/G (361)
G/A (468)
A/A (167)
rs530022 (Chr1:168675971)
Locus 435 top sentinel (CIS), p=1.3e−07

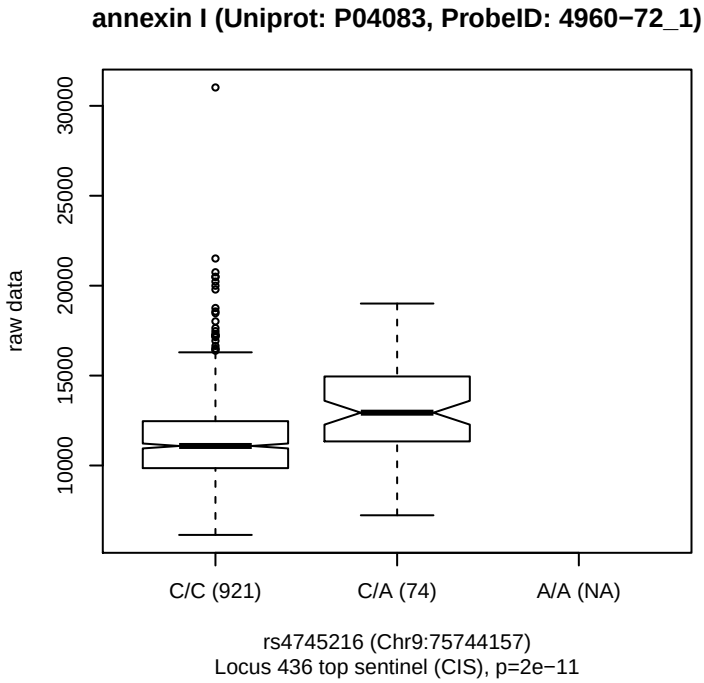

DERM (Uniprot: Q07507, ProbeID: 4979−34_2)
Frequency
0
100
200
300
400
500
600
9.5
10.0
10.5
11.0
11.5
12.0
12.5
13.0
log2−scaled data
Dermatopontin

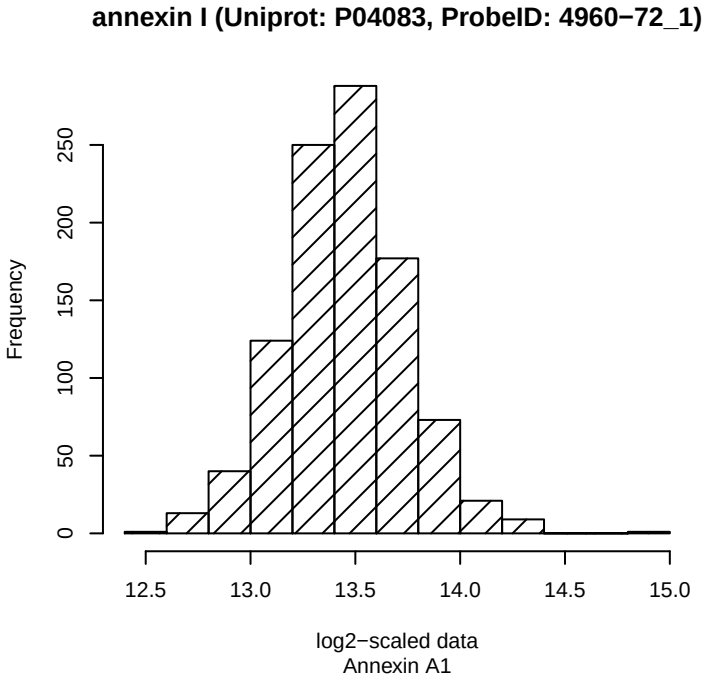

DERM (Uniprot: Q07507, ProbeID: 4979−34_2)
log2−scaled data
9.5
10.0
10.5
11.0
11.5
12.0
12.5
G/G (361)
G/A (468)
A/A (167)
rs530022 (Chr1:168675971)
Locus 435 top sentinel (CIS), p=5e−10, FC=−1.0543

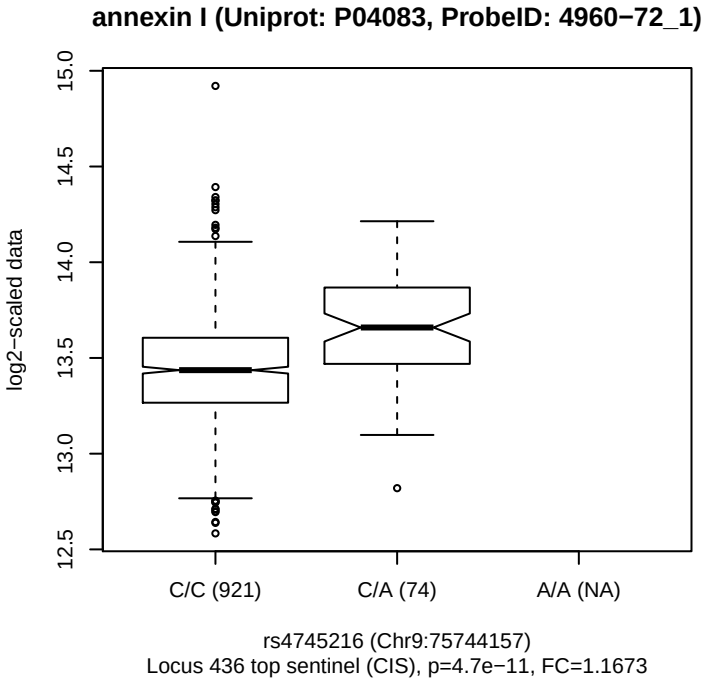

DERM (Uniprot: Q07507, ProbeID: 4979−34_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Dermatopontin

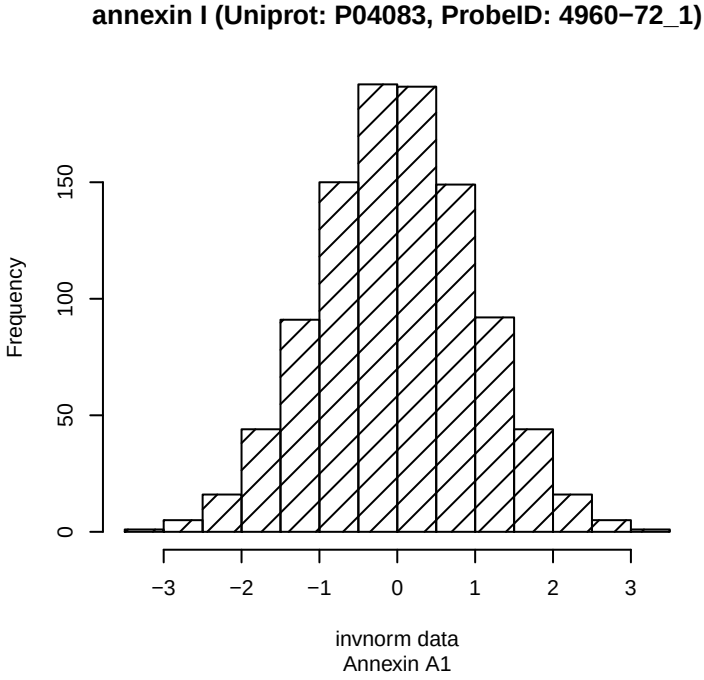

DERM (Uniprot: Q07507, ProbeID: 4979−34_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (361)
G/A (468)
A/A (167)
rs530022 (Chr1:168675971)
Locus 435 top sentinel (CIS), p=4.5e−11

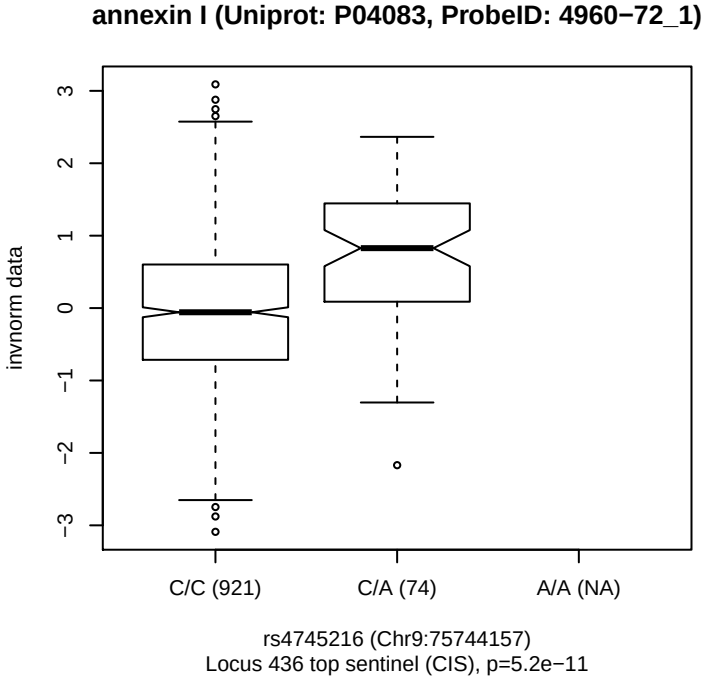

annexin I (Uniprot: P04083, ProbeID: 4960−72_1)
Frequency
0
100
200
300
5000
10000
15000
20000
25000
30000
raw data
Annexin A1

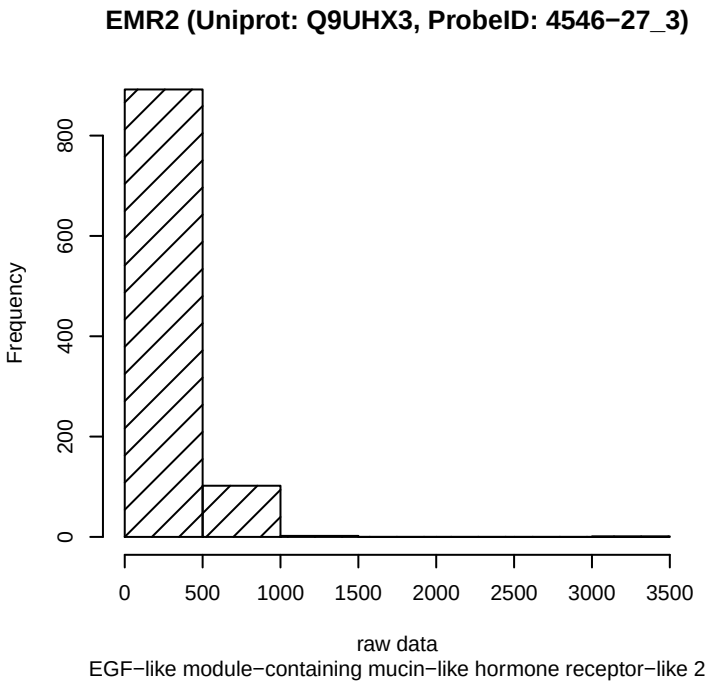

annexin I (Uniprot: P04083, ProbeID: 4960−72_1)
raw data
10000
15000
20000
25000
30000
C/C (921)
C/A (74)
A/A (NA)
rs4745216 (Chr9:75744157)
Locus 436 top sentinel (CIS), p=2e−11

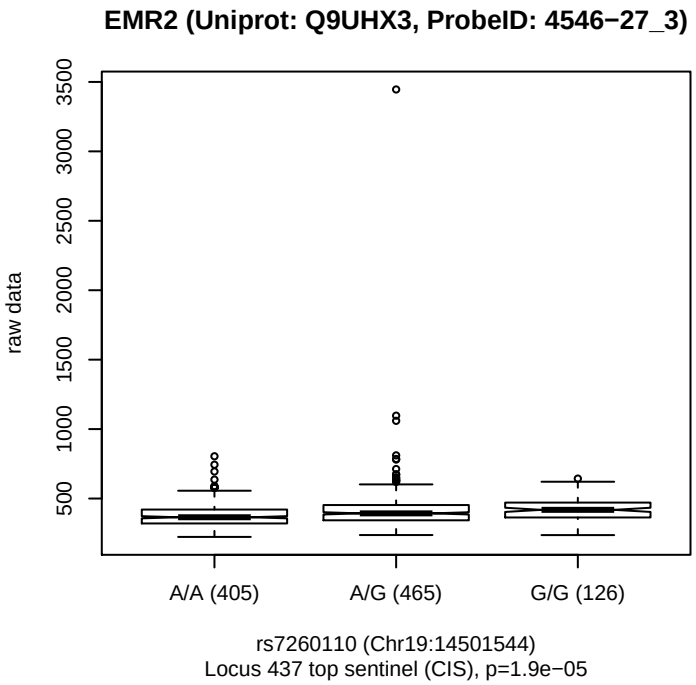

annexin I (Uniprot: P04083, ProbeID: 4960−72_1)
Frequency
0
50
100
150
200
250
12.5
13.0
13.5
14.0
14.5
15.0
log2−scaled data
Annexin A1

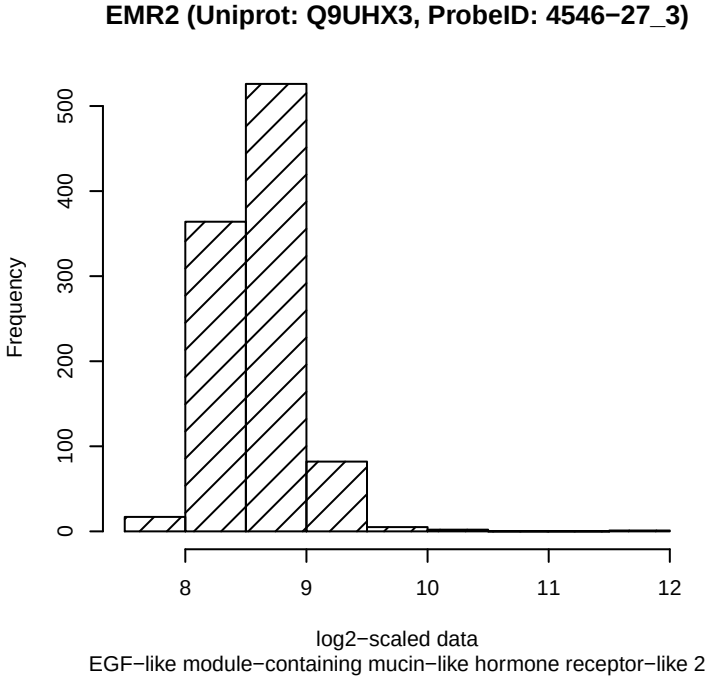

annexin I (Uniprot: P04083, ProbeID: 4960−72_1)
log2−scaled data
12.5
13.0
13.5
14.0
14.5
15.0
C/C (921)
C/A (74)
A/A (NA)
rs4745216 (Chr9:75744157)
Locus 436 top sentinel (CIS), p=4.7e−11, FC=1.1673

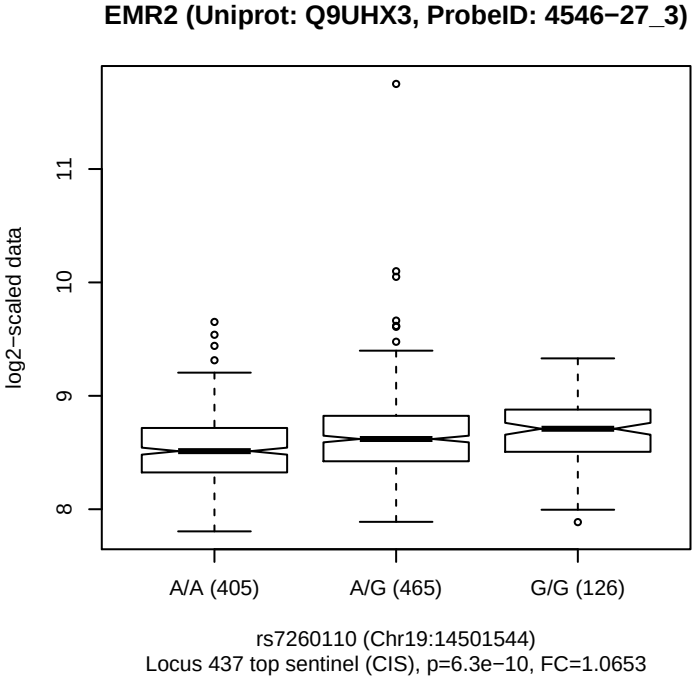

annexin I (Uniprot: P04083, ProbeID: 4960−72_1)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Annexin A1

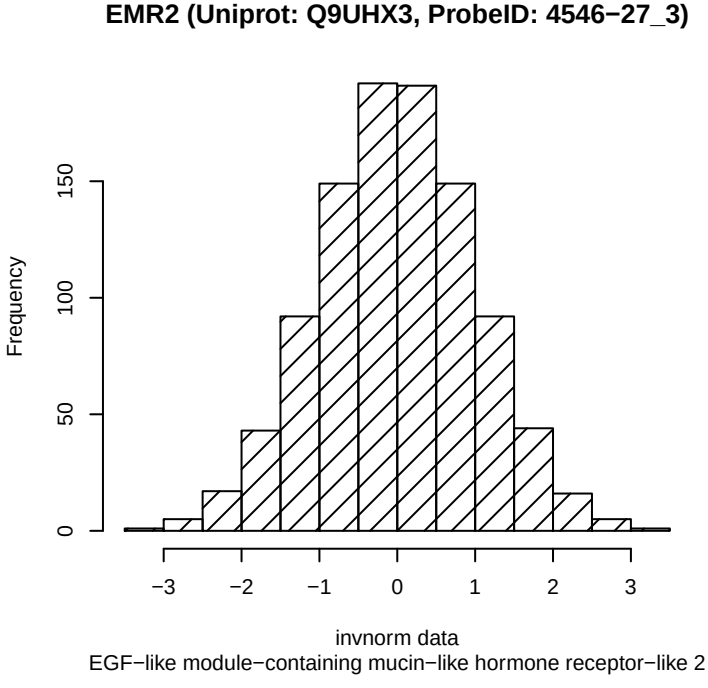

annexin I (Uniprot: P04083, ProbeID: 4960−72_1)
invnorm data
−3
−2
−1
0
1
2
3
C/C (921)
C/A (74)
A/A (NA)
rs4745216 (Chr9:75744157)
Locus 436 top sentinel (CIS), p=5.2e−11

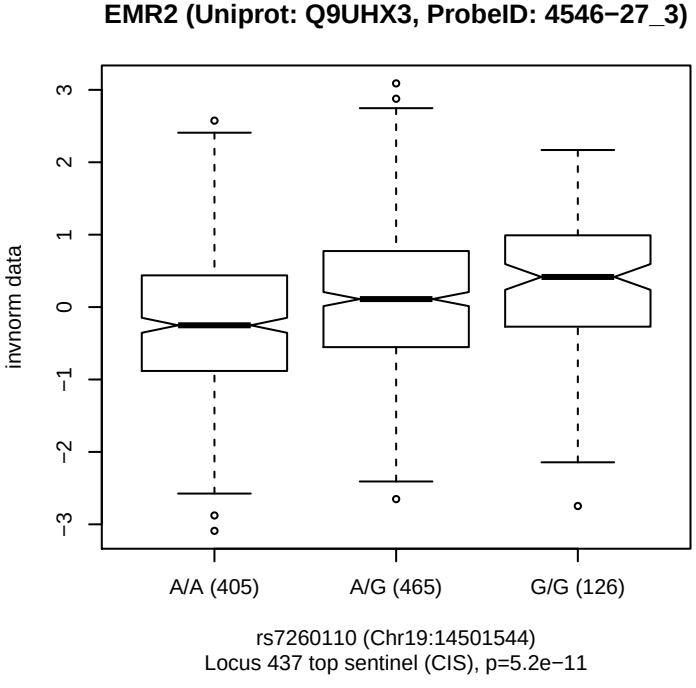

EMR2 (Uniprot: Q9UHX3, ProbeID: 4546−27_3)
Frequency
0
200
400
600
800
0
500
1000
1500
2000
2500
3000
3500
raw data
EGF−like module−containing mucin−like hormone receptor−like 2

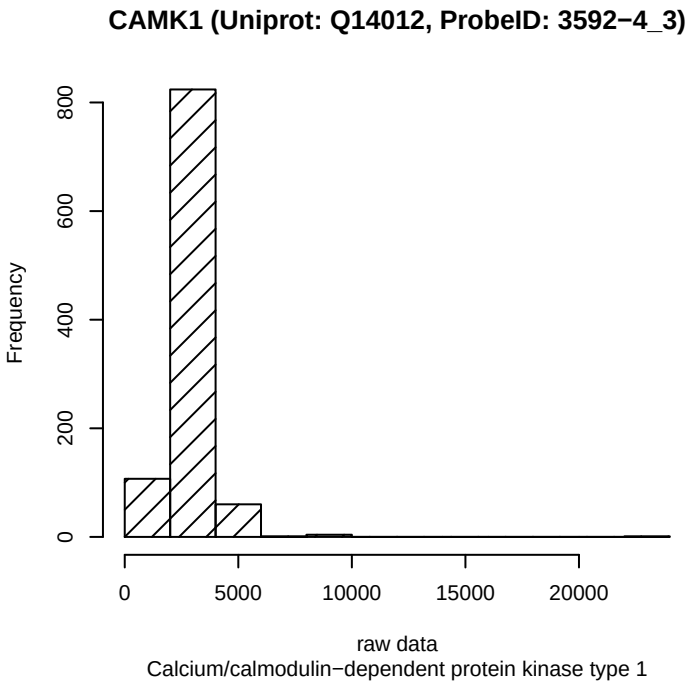

EMR2 (Uniprot: Q9UHX3, ProbeID: 4546−27_3)
raw data
500
1000
1500
2000
2500
3000
3500
A/A (405)
A/G (465)
G/G (126)
rs7260110 (Chr19:14501544)
Locus 437 top sentinel (CIS), p=1.9e−05

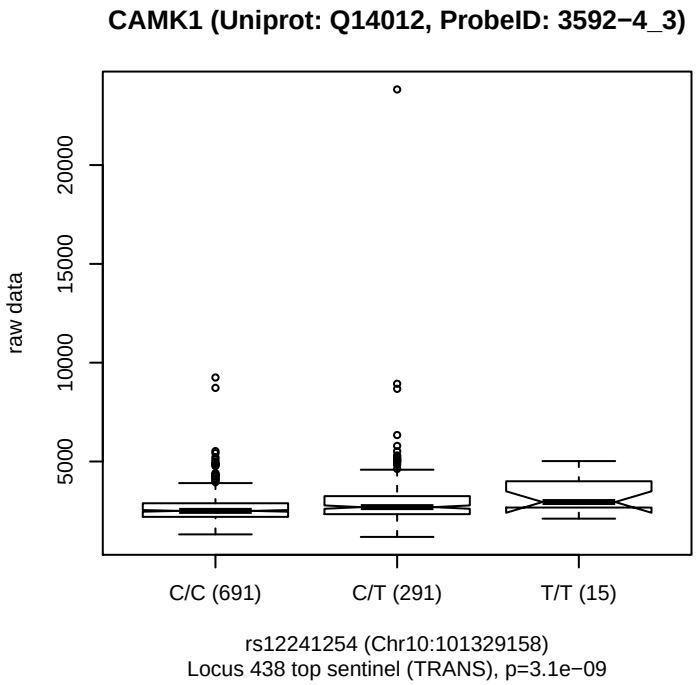

EMR2 (Uniprot: Q9UHX3, ProbeID: 4546−27_3)
Frequency
0
100
200
300
400
500
8
9
10
11
12
log2−scaled data
EGF−like module−containing mucin−like hormone receptor−like 2

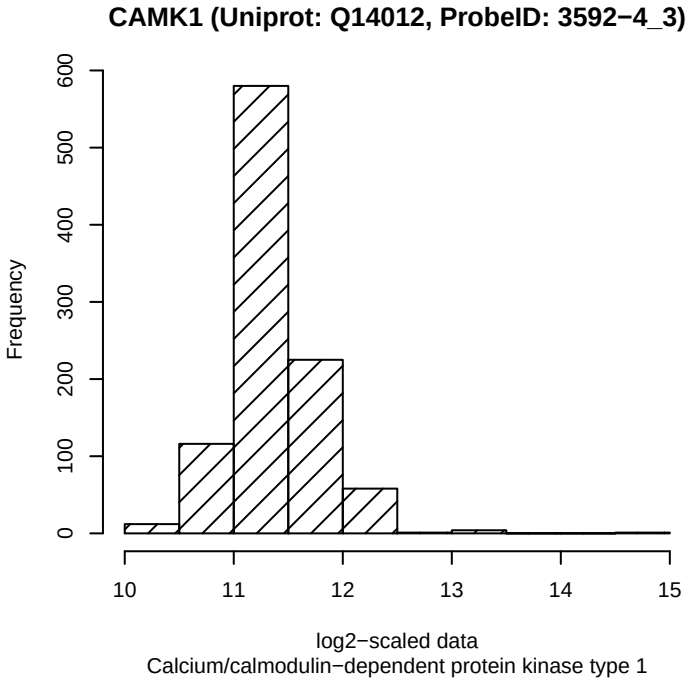

EMR2 (Uniprot: Q9UHX3, ProbeID: 4546−27_3)
log2−scaled data
8
9
10
11
A/A (405)
A/G (465)
G/G (126)
rs7260110 (Chr19:14501544)
Locus 437 top sentinel (CIS), p=6.3e−10, FC=1.0653

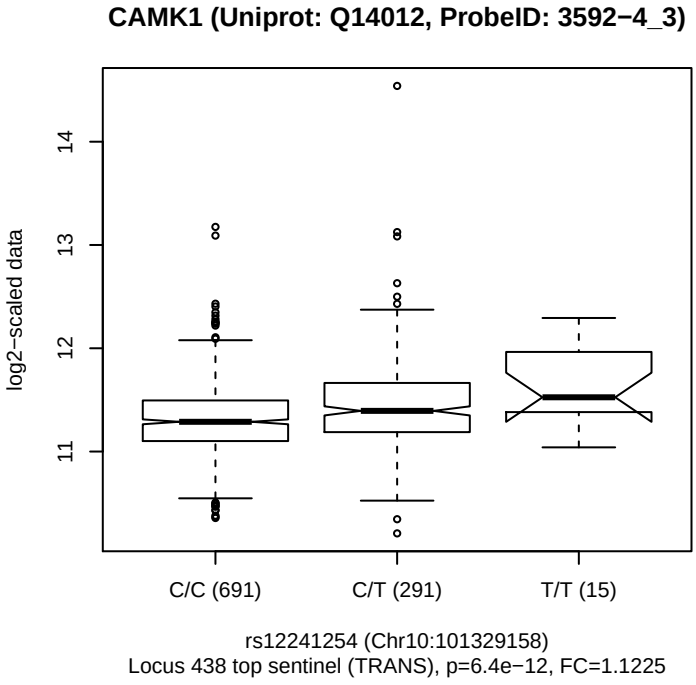

EMR2 (Uniprot: Q9UHX3, ProbeID: 4546−27_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
EGF−like module−containing mucin−like hormone receptor−like 2

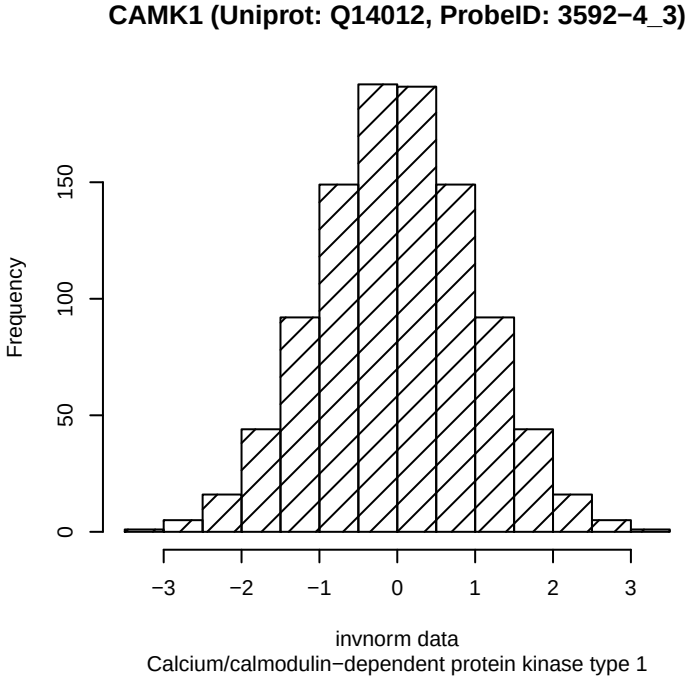

EMR2 (Uniprot: Q9UHX3, ProbeID: 4546−27_3)
invnorm data
−3
−2
−1
0
1
2
3
A/A (405)
A/G (465)
G/G (126)
rs7260110 (Chr19:14501544)
Locus 437 top sentinel (CIS), p=5.2e−11

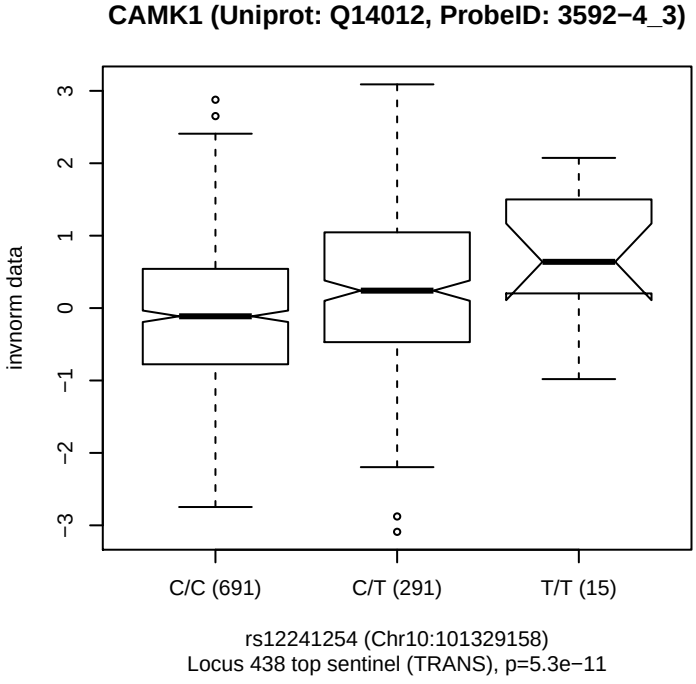

CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)
Frequency
0
200
400
600
800
0
5000
10000
15000
20000
raw data
Calcium/calmodulin−dependent protein kinase type 1

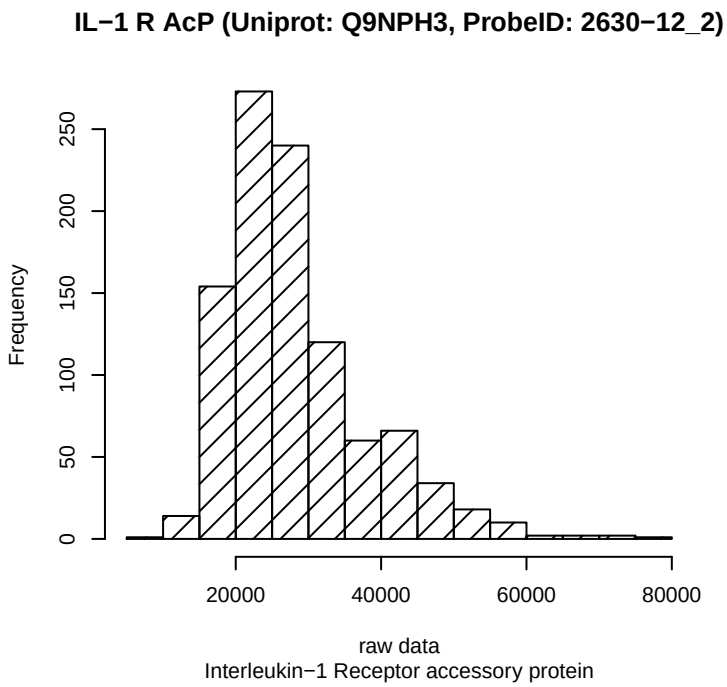

CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)
raw data
5000
10000
15000
20000
C/C (691)
C/T (291)
T/T (15)
rs12241254 (Chr10:101329158)
Locus 438 top sentinel (TRANS), p=3.1e−09

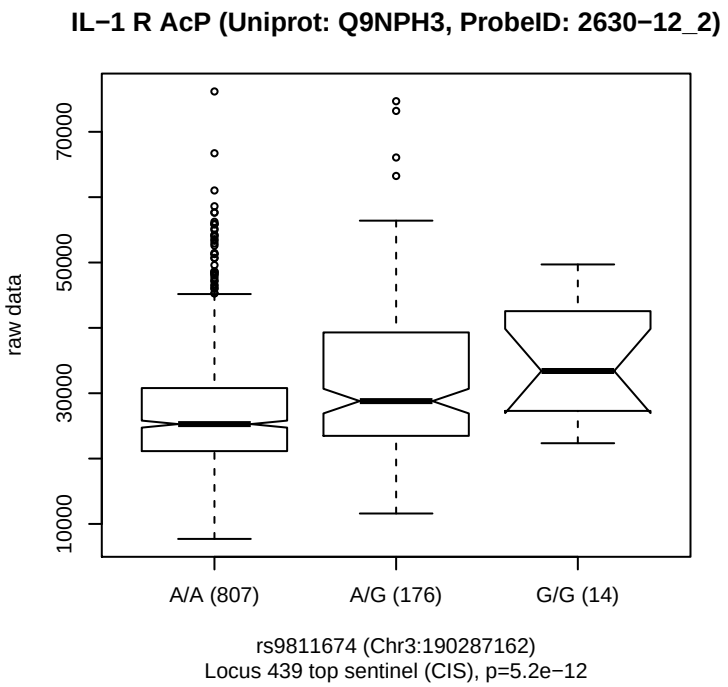

CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)
Frequency
0
100
200
300
400
500
600
10
11
12
13
14
15
log2−scaled data
Calcium/calmodulin−dependent protein kinase type 1

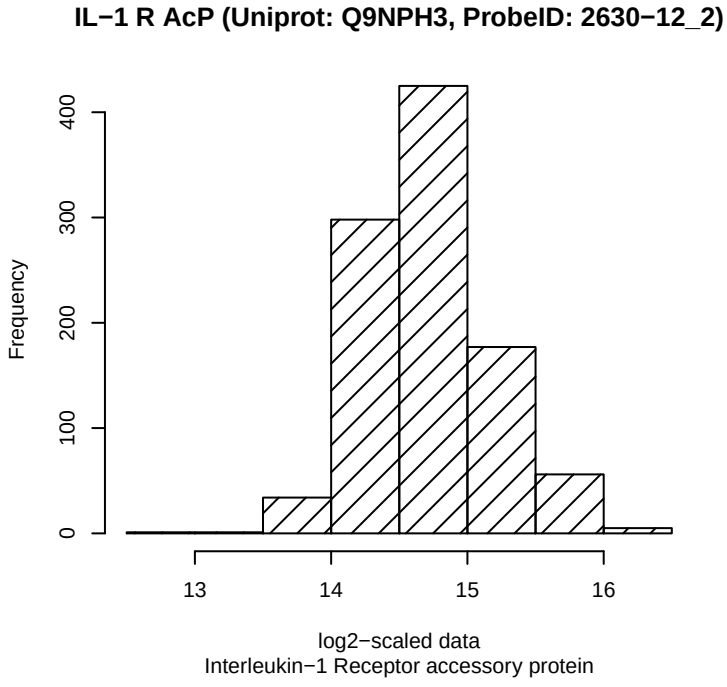

CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)
log2−scaled data
11
12
13
14
C/C (691)
C/T (291)
T/T (15)
rs12241254 (Chr10:101329158)
Locus 438 top sentinel (TRANS), p=6.4e−12, FC=1.1225

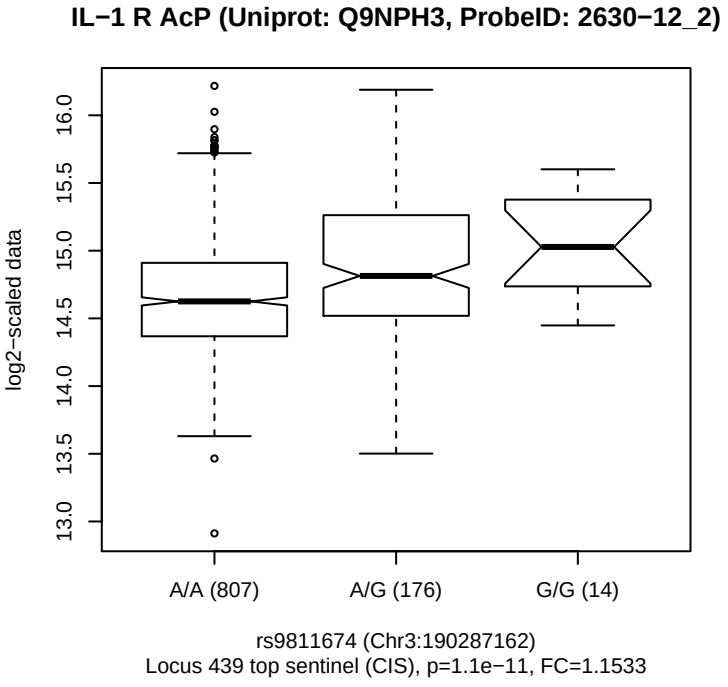

CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Calcium/calmodulin−dependent protein kinase type 1

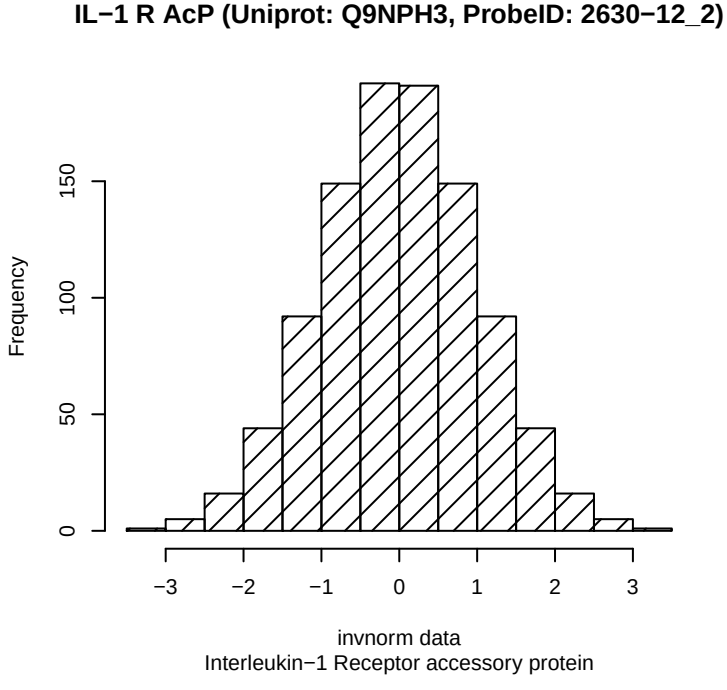

CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)
invnorm data
−3
−2
−1
0
1
2
3
C/C (691)
C/T (291)
T/T (15)
rs12241254 (Chr10:101329158)
Locus 438 top sentinel (TRANS), p=5.3e−11

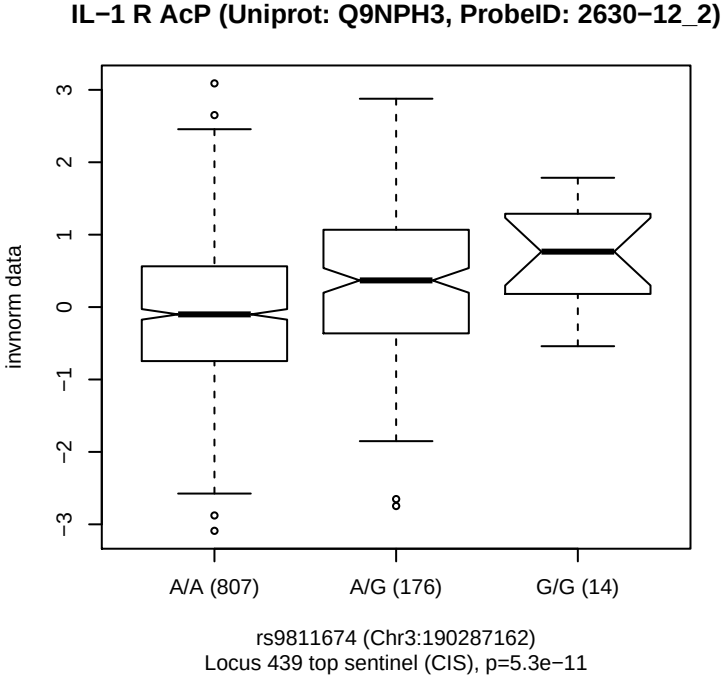

IL−1 R AcP (Uniprot: Q9NPH3, ProbeID: 2630−12_2)
Frequency
0
50
100
150
200
250
20000
40000
60000
80000
raw data
Interleukin−1 Receptor accessory protein

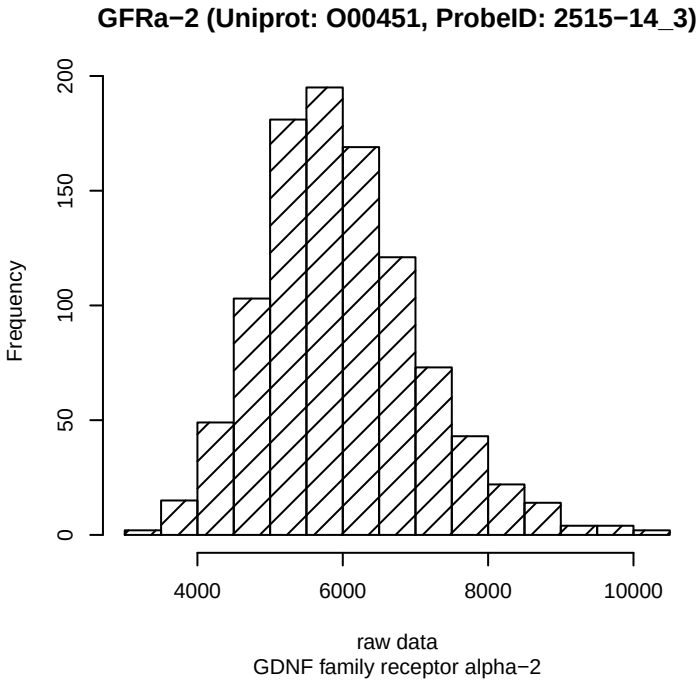

IL−1 R AcP (Uniprot: Q9NPH3, ProbeID: 2630−12_2)
raw data
10000
30000
50000
70000
A/A (807)
A/G (176)
G/G (14)
rs9811674 (Chr3:190287162)
Locus 439 top sentinel (CIS), p=5.2e−12

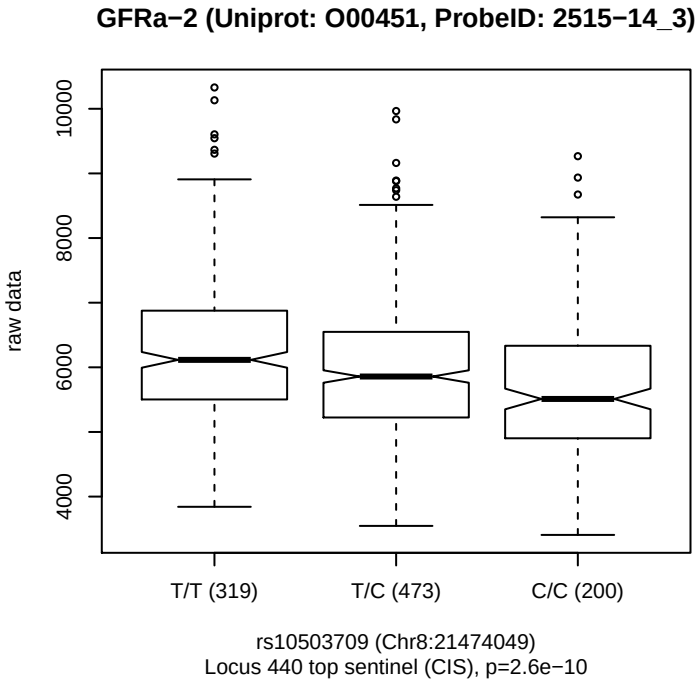

IL−1 R AcP (Uniprot: Q9NPH3, ProbeID: 2630−12_2)
Frequency
0
100
200
300
400
13
14
15
16
log2−scaled data
Interleukin−1 Receptor accessory protein

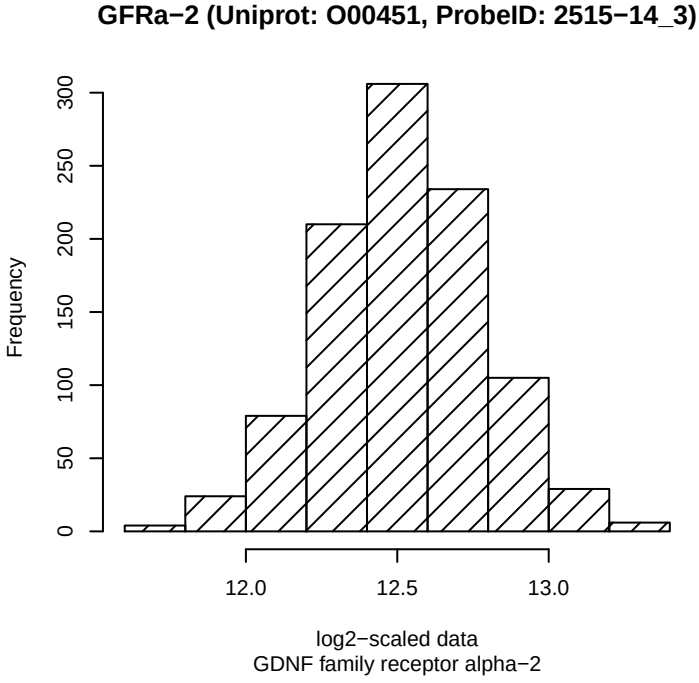

IL−1 R AcP (Uniprot: Q9NPH3, ProbeID: 2630−12_2)
log2−scaled data
13.0
13.5
14.0
14.5
15.0
15.5
16.0
A/A (807)
A/G (176)
G/G (14)
rs9811674 (Chr3:190287162)
Locus 439 top sentinel (CIS), p=1.1e−11, FC=1.1533

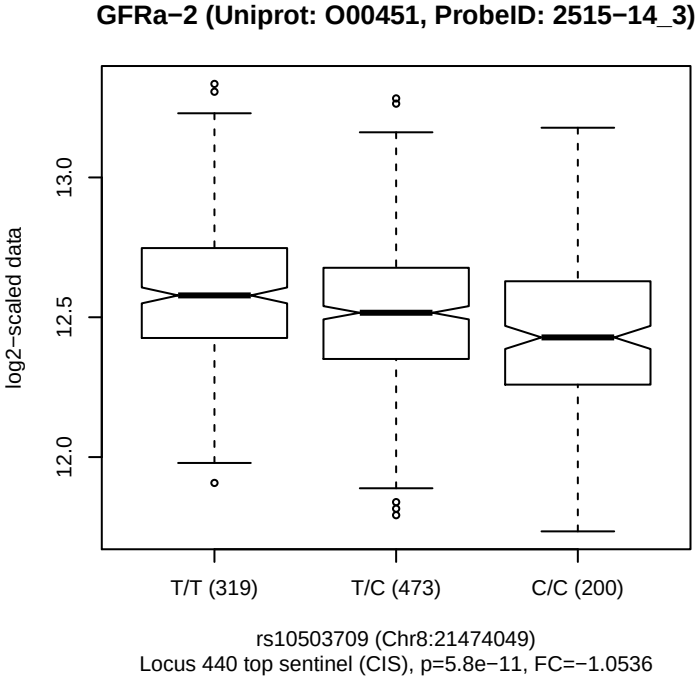

IL−1 R AcP (Uniprot: Q9NPH3, ProbeID: 2630−12_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−1 Receptor accessory protein

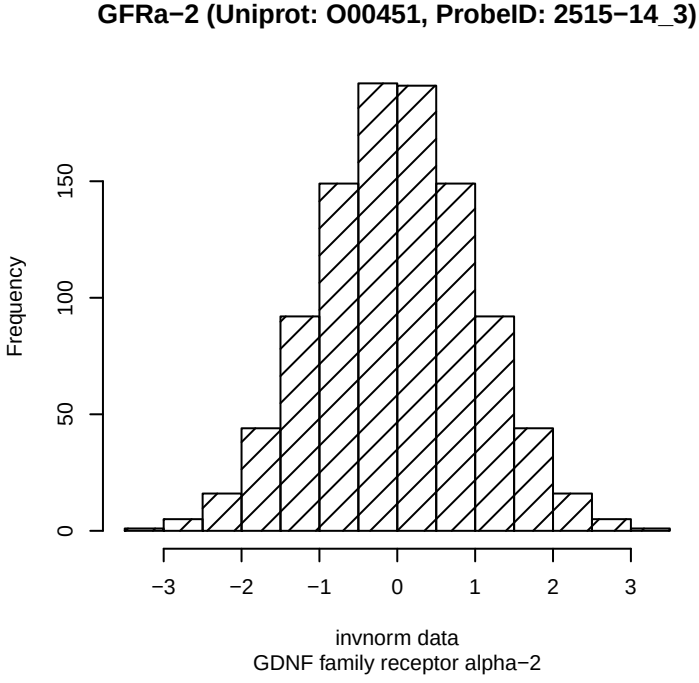

IL−1 R AcP (Uniprot: Q9NPH3, ProbeID: 2630−12_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (807)
A/G (176)
G/G (14)
rs9811674 (Chr3:190287162)
Locus 439 top sentinel (CIS), p=5.3e−11

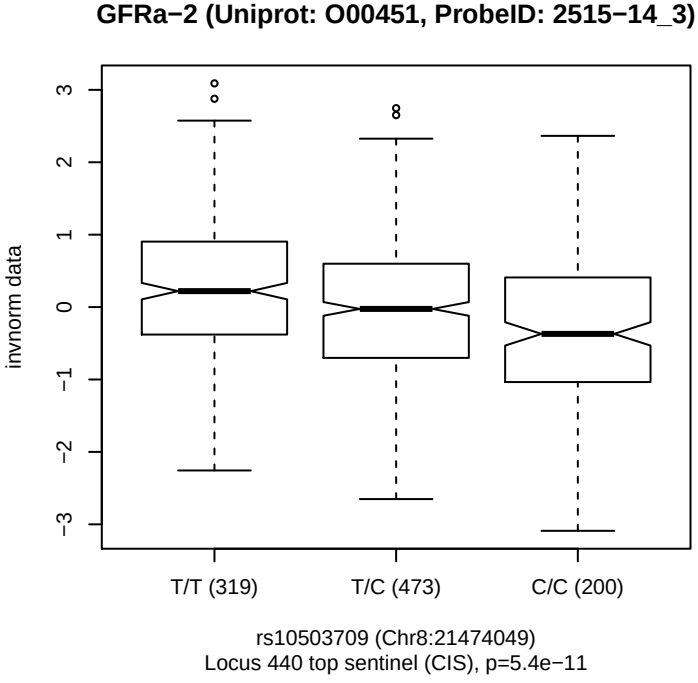

GFRa−2 (Uniprot: O00451, ProbeID: 2515−14_3)
Frequency
0
50
100
150
200
4000
6000
8000
10000
raw data
GDNF family receptor alpha−2

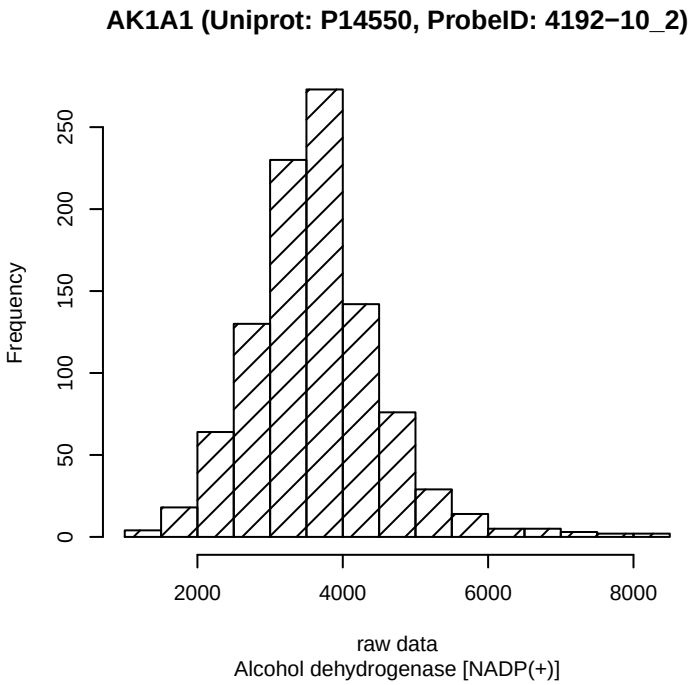

GFRa−2 (Uniprot: O00451, ProbeID: 2515−14_3)
raw data
4000
6000
8000
10000
T/T (319)
T/C (473)
C/C (200)
rs10503709 (Chr8:21474049)
Locus 440 top sentinel (CIS), p=2.6e−10

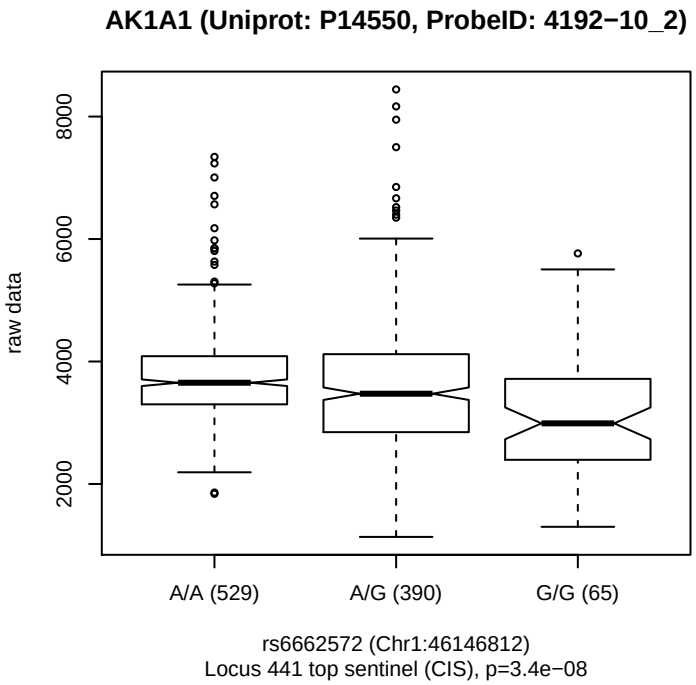

GFRa−2 (Uniprot: O00451, ProbeID: 2515−14_3)
Frequency
0
50
100
150
200
250
300
12.0
12.5
13.0
log2−scaled data
GDNF family receptor alpha−2

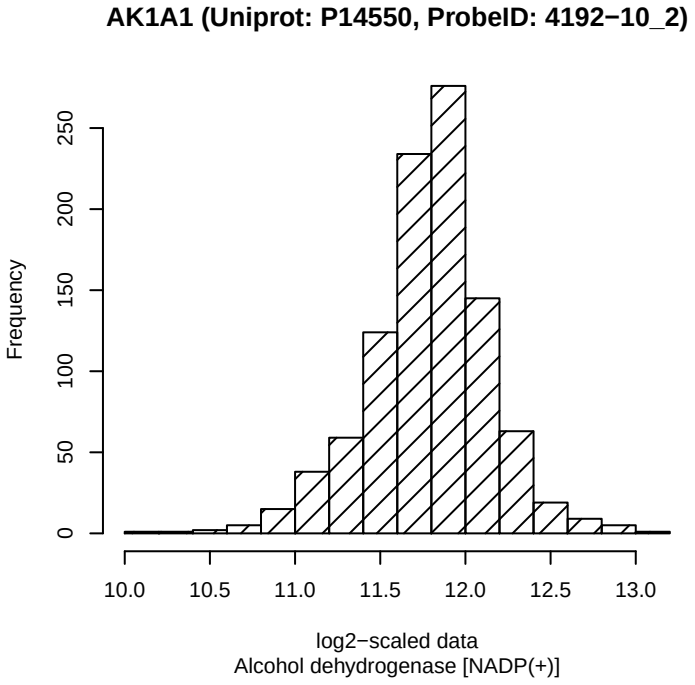

GFRa−2 (Uniprot: O00451, ProbeID: 2515−14_3)
log2−scaled data
12.0
12.5
13.0
T/T (319)
T/C (473)
C/C (200)
rs10503709 (Chr8:21474049)
Locus 440 top sentinel (CIS), p=5.8e−11, FC=−1.0536

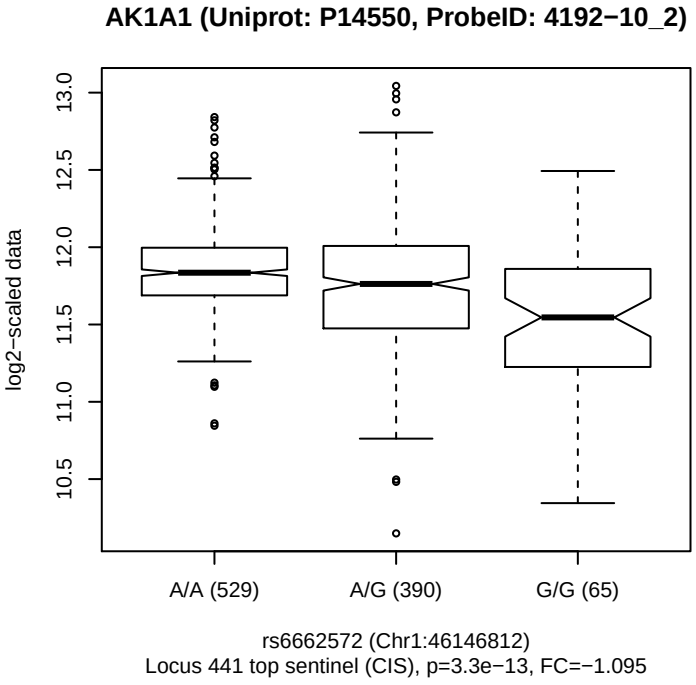

GFRa−2 (Uniprot: O00451, ProbeID: 2515−14_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
GDNF family receptor alpha−2

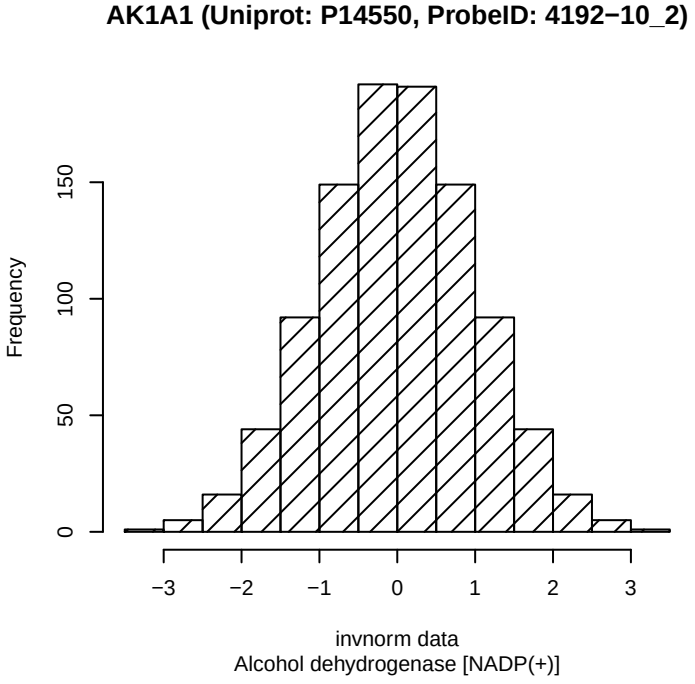

GFRa−2 (Uniprot: O00451, ProbeID: 2515−14_3)
invnorm data
−3
−2
−1
0
1
2
3
T/T (319)
T/C (473)
C/C (200)
rs10503709 (Chr8:21474049)
Locus 440 top sentinel (CIS), p=5.4e−11

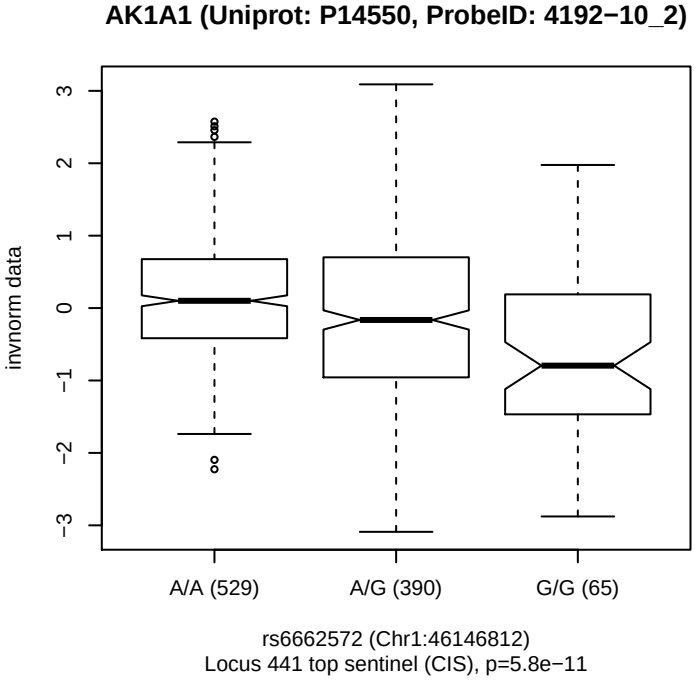

AK1A1 (Uniprot: P14550, ProbeID: 4192−10_2)
Frequency
0
50
100
150
200
250
2000
4000
6000
8000
raw data
Alcohol dehydrogenase [NADP(+)]

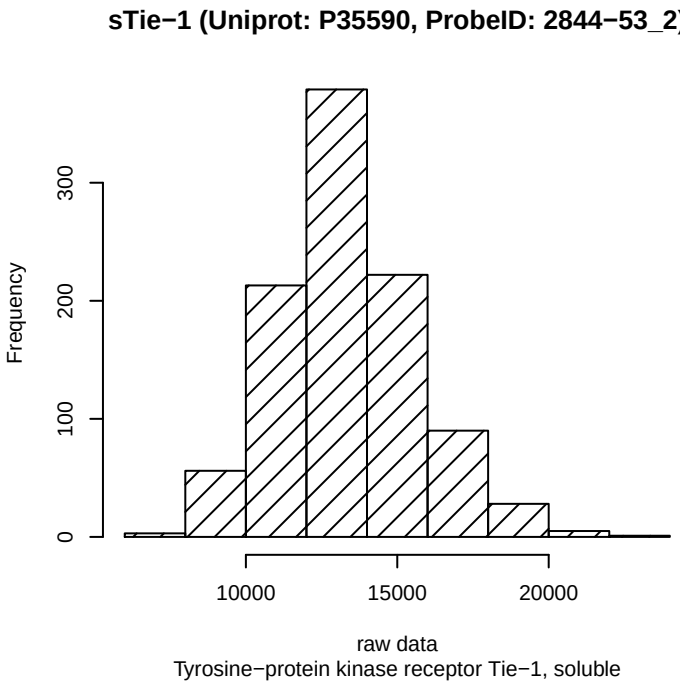

AK1A1 (Uniprot: P14550, ProbeID: 4192−10_2)
raw data
2000
4000
6000
8000
A/A (529)
A/G (390)
G/G (65)
rs6662572 (Chr1:46146812)
Locus 441 top sentinel (CIS), p=3.4e−08

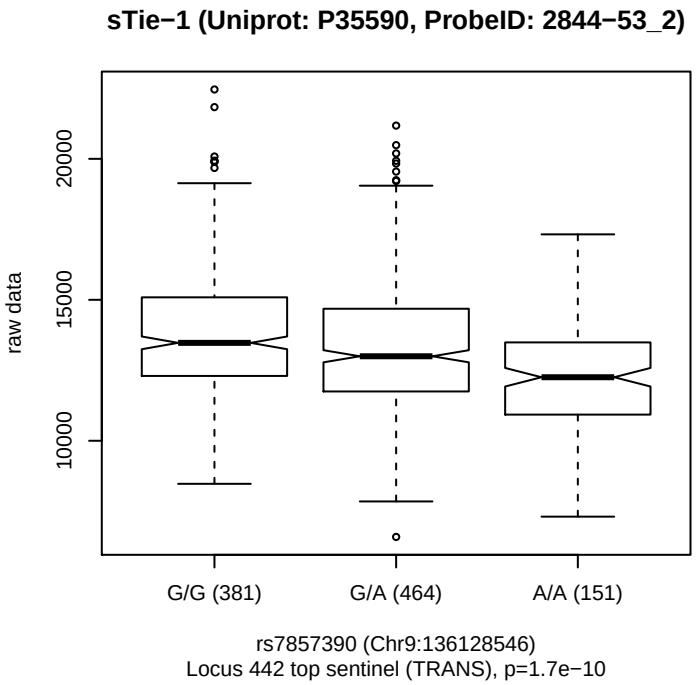

AK1A1 (Uniprot: P14550, ProbeID: 4192−10_2)
Frequency
0
50
100
150
200
250
10.0
10.5
11.0
11.5
12.0
12.5
13.0
log2−scaled data
Alcohol dehydrogenase [NADP(+)]

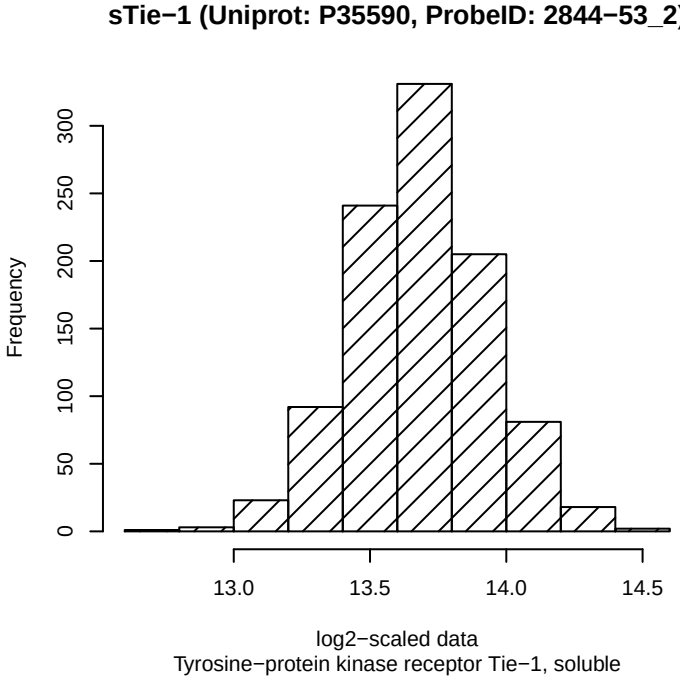

AK1A1 (Uniprot: P14550, ProbeID: 4192−10_2)
log2−scaled data
10.5
11.0
11.5
12.0
12.5
13.0
A/A (529)
A/G (390)
G/G (65)
rs6662572 (Chr1:46146812)
Locus 441 top sentinel (CIS), p=3.3e−13, FC=−1.095

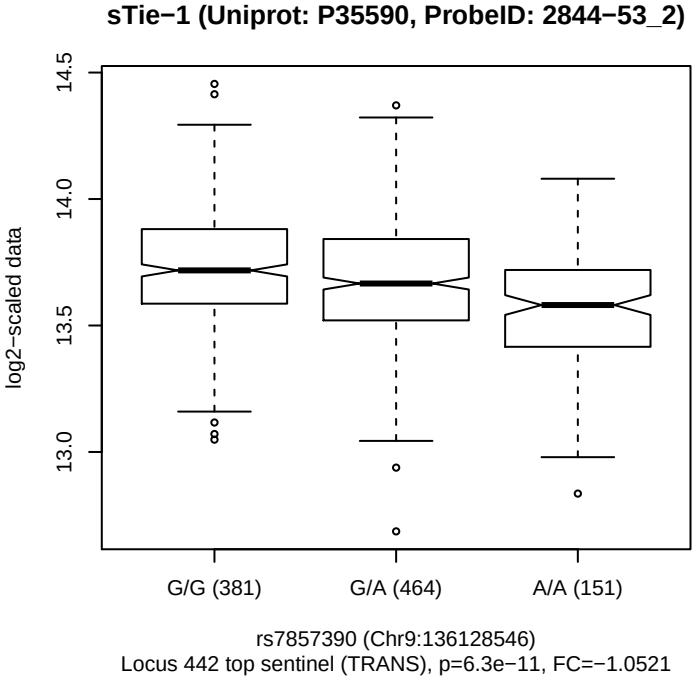

AK1A1 (Uniprot: P14550, ProbeID: 4192−10_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Alcohol dehydrogenase [NADP(+)]

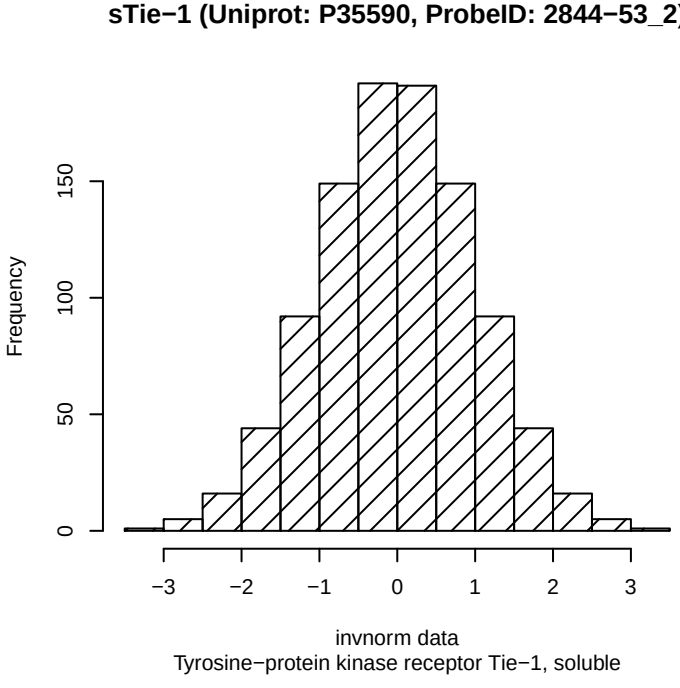

AK1A1 (Uniprot: P14550, ProbeID: 4192−10_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (529)
A/G (390)
G/G (65)
rs6662572 (Chr1:46146812)
Locus 441 top sentinel (CIS), p=5.8e−11

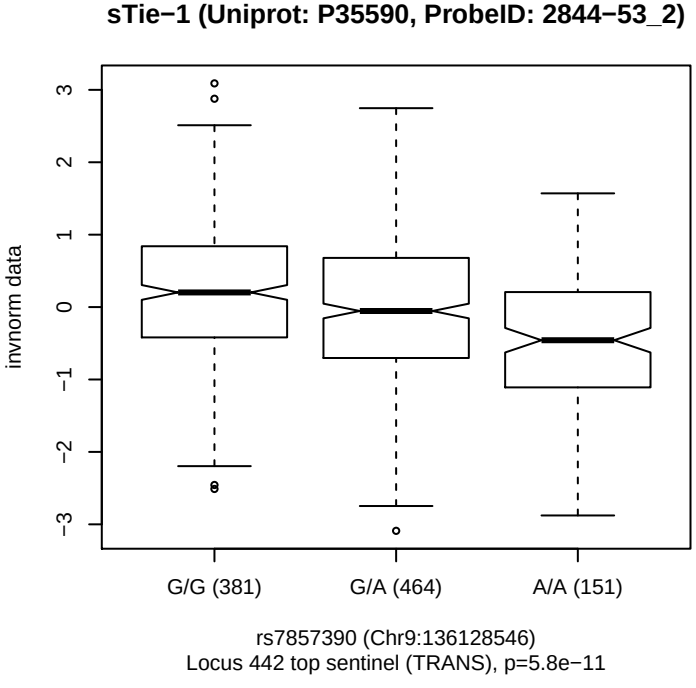

sTie−1 (Uniprot: P35590, ProbeID: 2844−53_2)
Frequency
0
100
200
300
10000
15000
20000
raw data
Tyrosine−protein kinase receptor Tie−1, soluble


sTie−1 (Uniprot: P35590, ProbeID: 2844−53_2)
raw data
10000
15000
20000
G/G (381)
G/A (464)
A/A (151)
rs7857390 (Chr9:136128546)
Locus 442 top sentinel (TRANS), p=1.7e−10

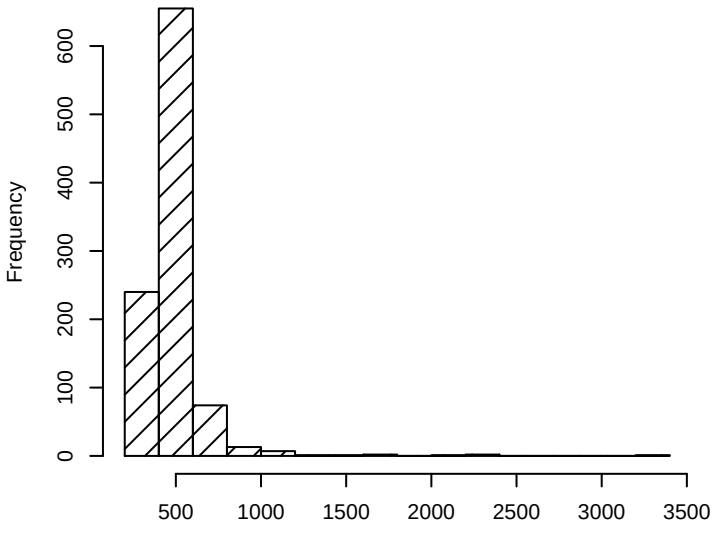

sTie−1 (Uniprot: P35590, ProbeID: 2844−53_2)
Frequency
0
50
100
150
200
250
300
13.0
13.5
14.0
14.5
log2−scaled data
Tyrosine−protein kinase receptor Tie−1, soluble


sTie−1 (Uniprot: P35590, ProbeID: 2844−53_2)
log2−scaled data
13.0
13.5
14.0
14.5
G/G (381)
G/A (464)
A/A (151)
rs7857390 (Chr9:136128546)
Locus 442 top sentinel (TRANS), p=6.3e−11, FC=−1.0521


sTie−1 (Uniprot: P35590, ProbeID: 2844−53_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Tyrosine−protein kinase receptor Tie−1, soluble

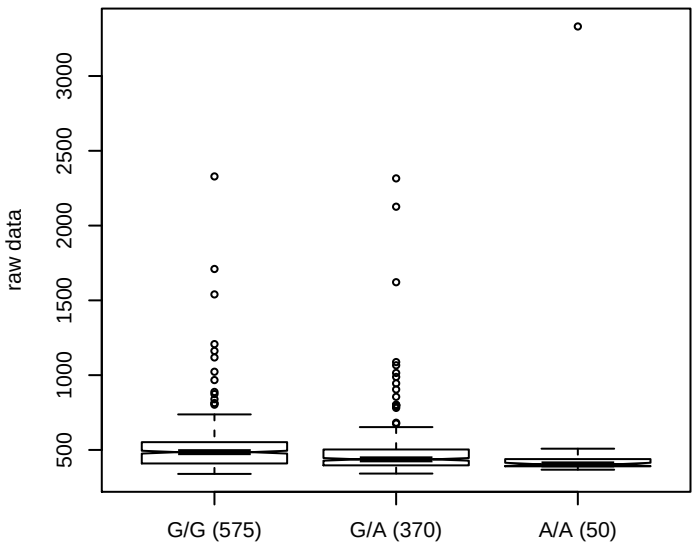

sTie−1 (Uniprot: P35590, ProbeID: 2844−53_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (381)
G/A (464)
A/A (151)
rs7857390 (Chr9:136128546)
Locus 442 top sentinel (TRANS), p=5.8e−11

**Cripto (Uniprot: P13385, ProbeID: 2672−60_1)**



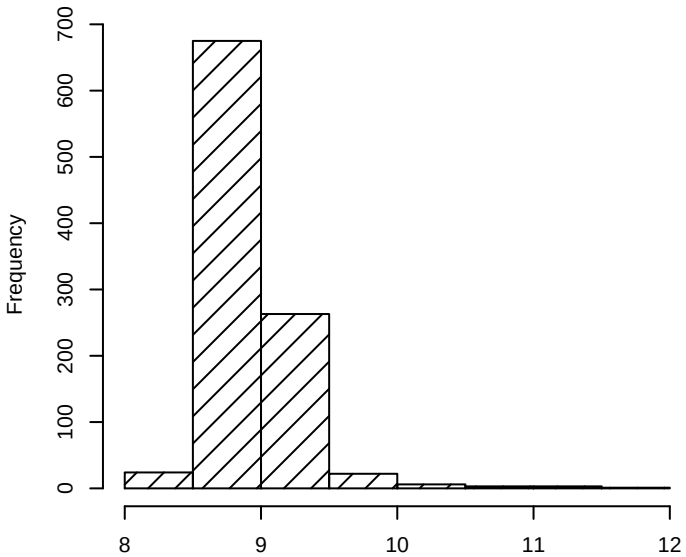

raw data
Teratocarcinoma−derived growth factor 1

**Cripto (Uniprot: P13385, ProbeID: 2672−60_1)**



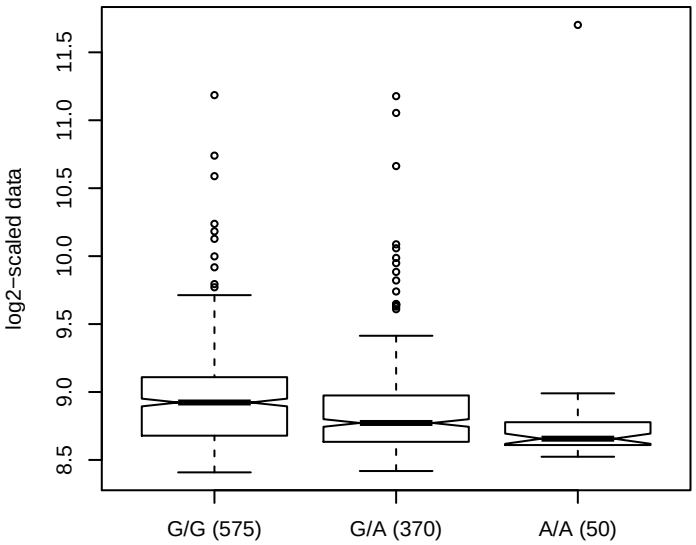

rs7610301 (Chr3:46646028)
Locus 443 top sentinel (CIS), p=0.023

**Cripto (Uniprot: P13385, ProbeID: 2672−60_1)**



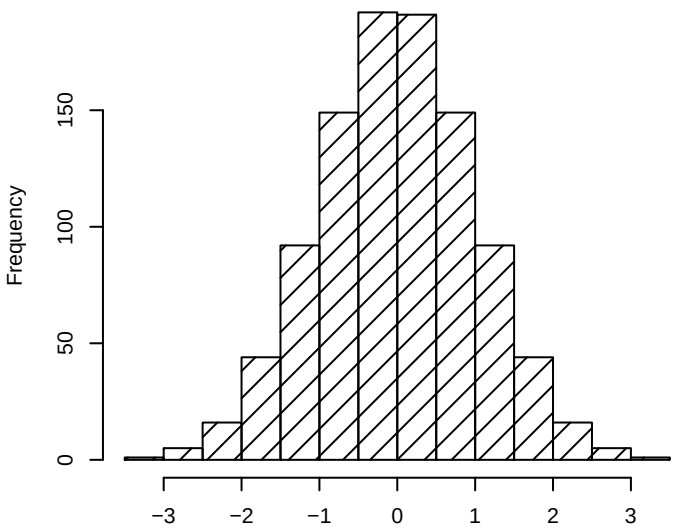

log2−scaled data
Teratocarcinoma−derived growth factor 1

**Cripto (Uniprot: P13385, ProbeID: 2672−60_1)**



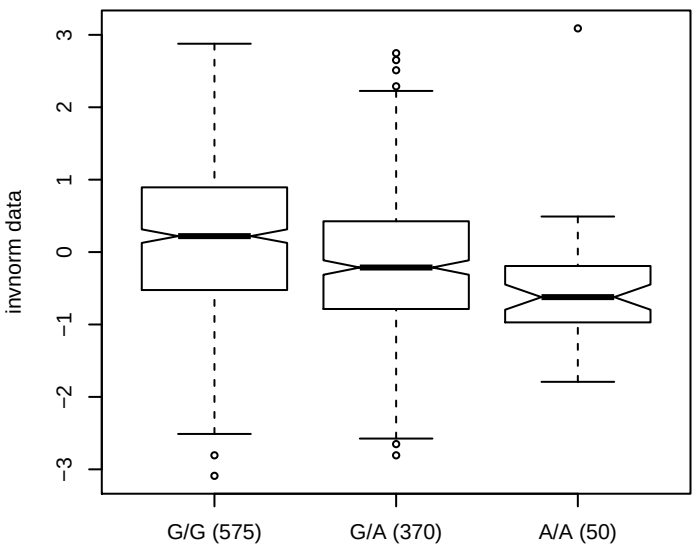

rs7610301 (Chr3:46646028)
Locus 443 top sentinel (CIS), p=3.4e−07, FC=−1.0651

**Cripto (Uniprot: P13385, ProbeID: 2672−60_1)**

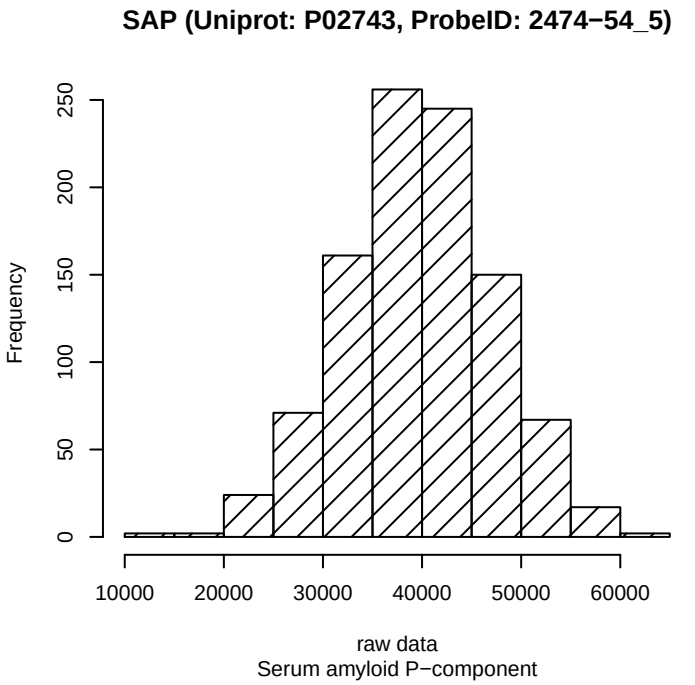


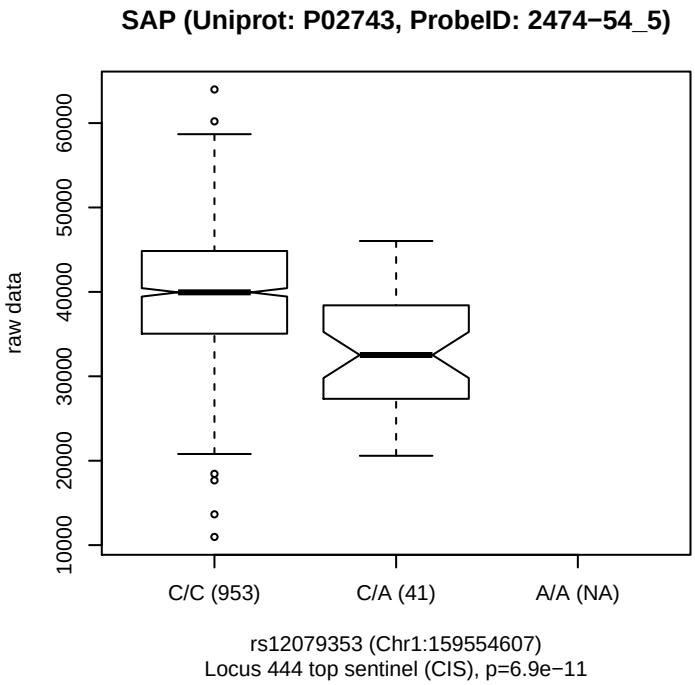

invnorm data
Teratocarcinoma−derived growth factor 1

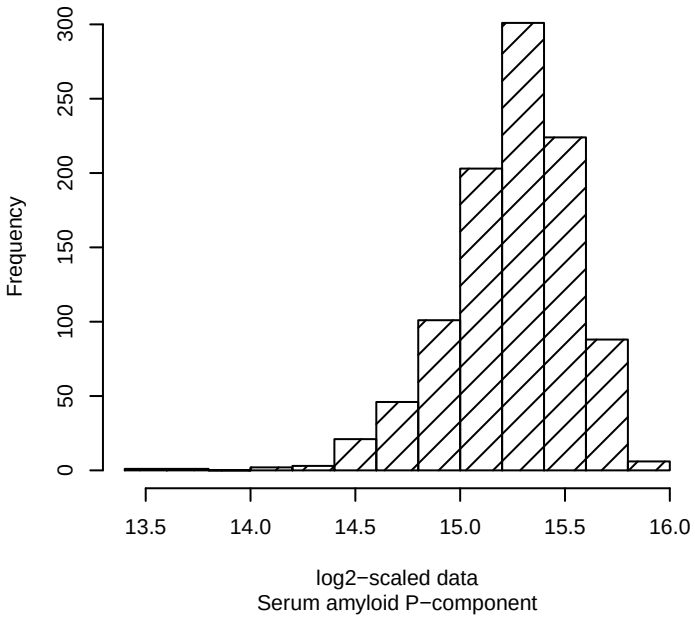
**Cripto (Uniprot: P13385, ProbeID: 2672−60_1)**

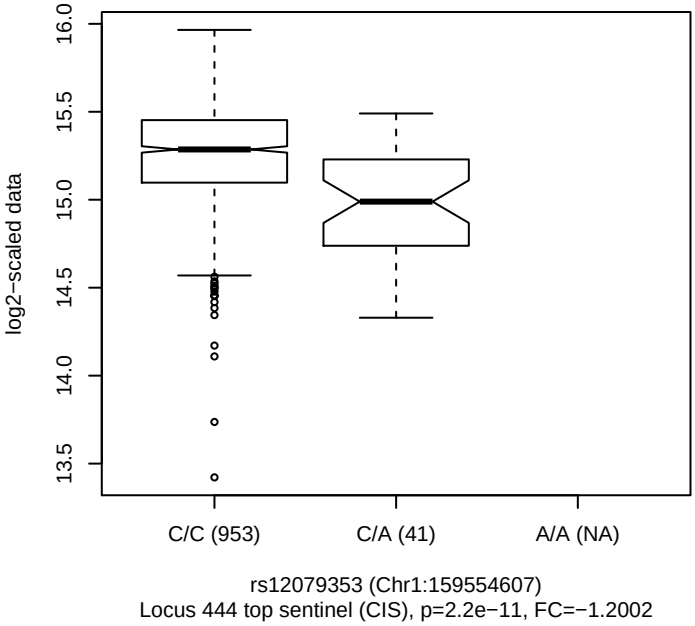


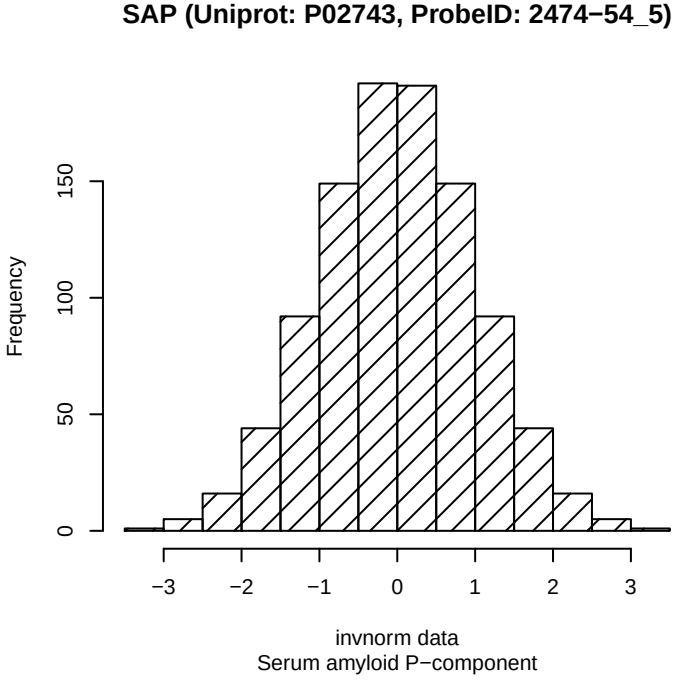

rs7610301 (Chr3:46646028)
Locus 443 top sentinel (CIS), p=5.9e−11

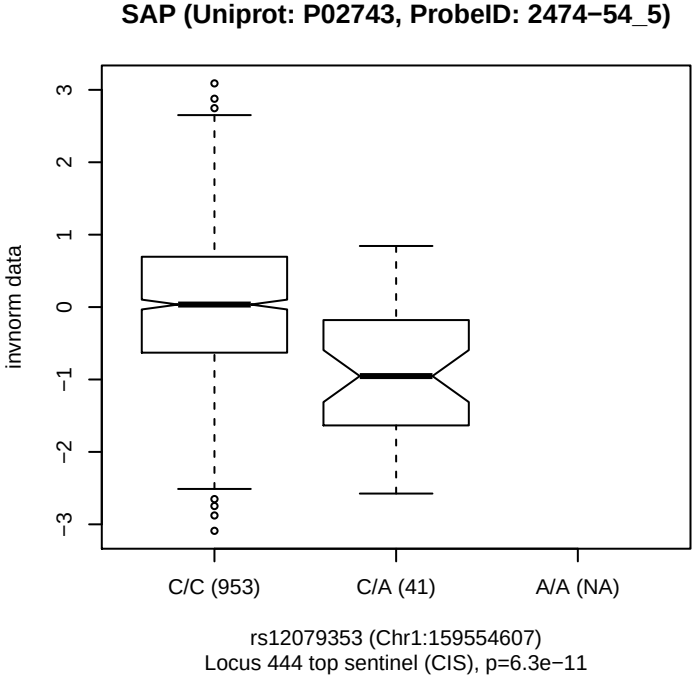

SAP (Uniprot: P02743, ProbeID: 2474−54_5)
Frequency
0
50
100
150
200
250
10000
20000
30000
40000
50000
60000
raw data
Serum amyloid P−component

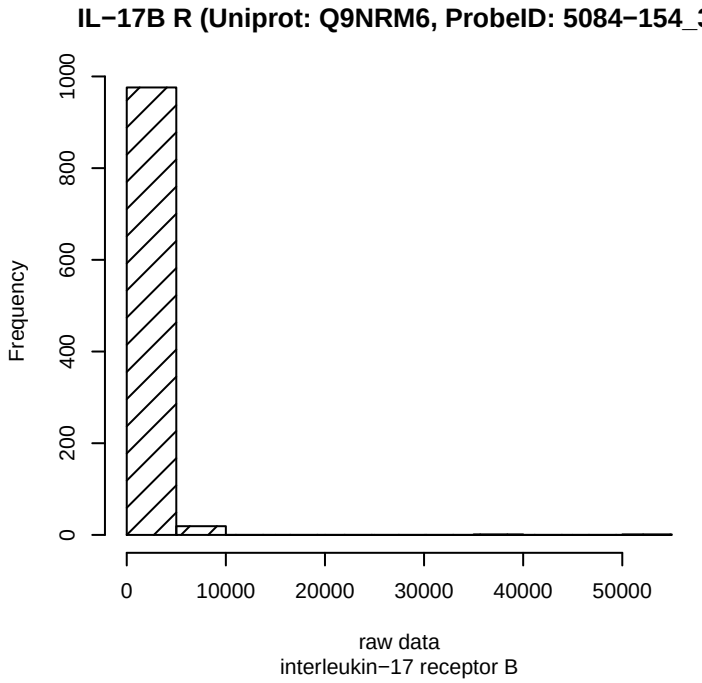

SAP (Uniprot: P02743, ProbeID: 2474−54_5)
raw data
10000
20000
30000
40000
50000
60000
C/C (953)
C/A (41)
A/A (NA)
rs12079353 (Chr1:159554607)
Locus 444 top sentinel (CIS), p=6.9e−11

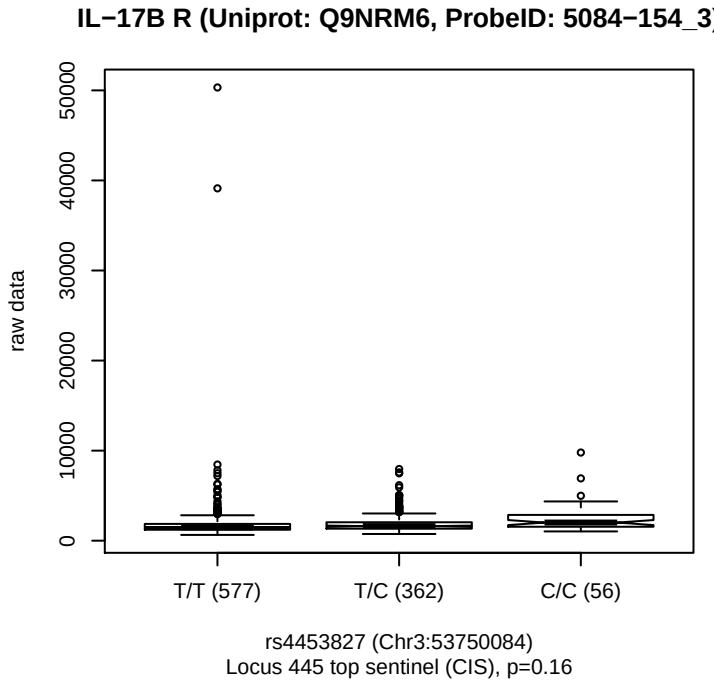

SAP (Uniprot: P02743, ProbeID: 2474−54_5)
Frequency
0
50
100
150
200
250
300
13.5
14.0
14.5
15.0
15.5
16.0
log2−scaled data
Serum amyloid P−component

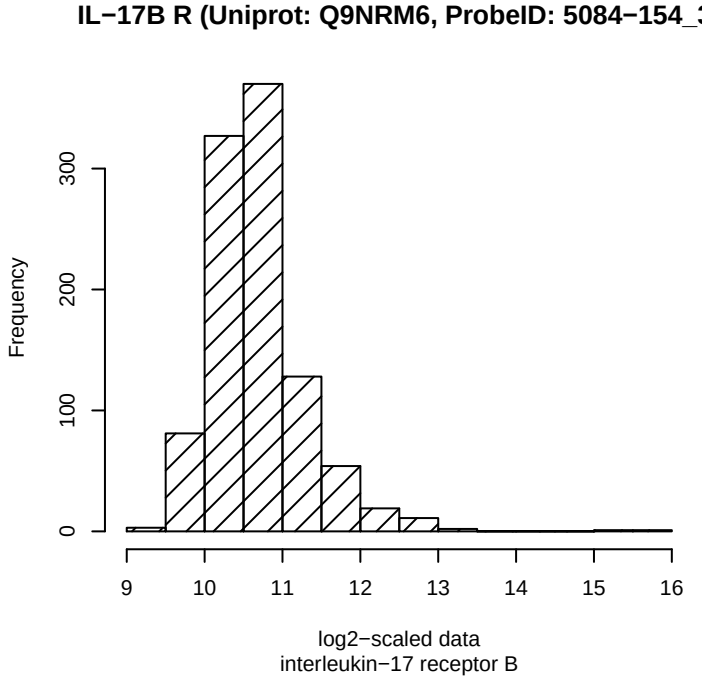

SAP (Uniprot: P02743, ProbeID: 2474−54_5)
log2−scaled data
13.5
14.0
14.5
15.0
15.5
16.0
C/C (953)
C/A (41)
A/A (NA)
rs12079353 (Chr1:159554607)
Locus 444 top sentinel (CIS), p=2.2e−11, FC=−1.2002

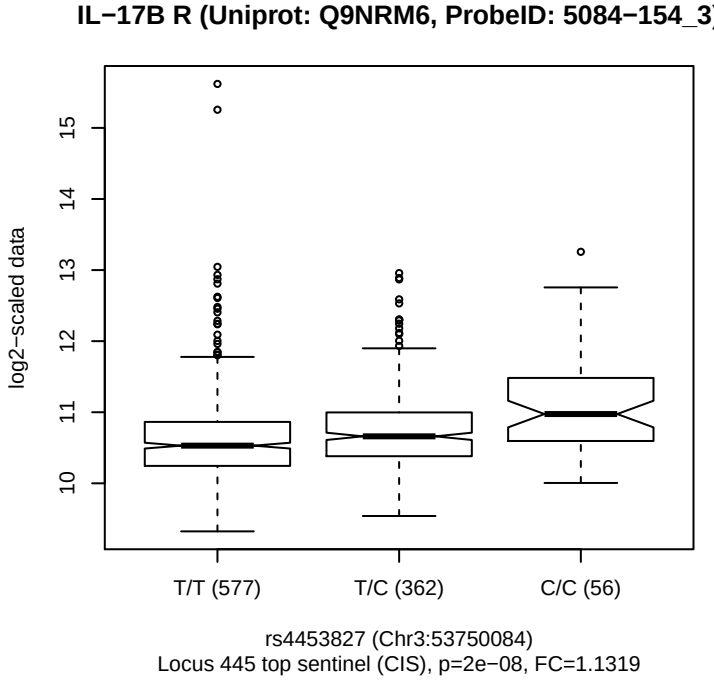

SAP (Uniprot: P02743, ProbeID: 2474−54_5)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Serum amyloid P−component

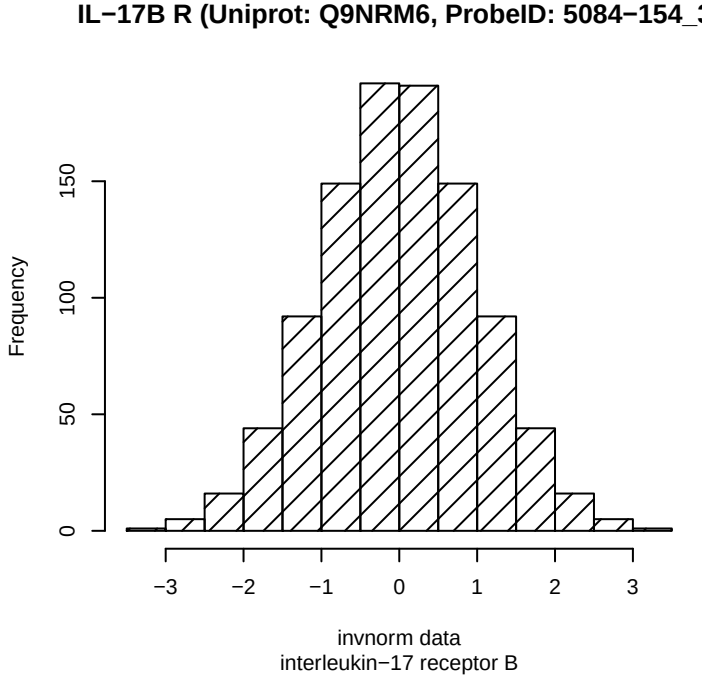

SAP (Uniprot: P02743, ProbeID: 2474−54_5)
invnorm data
−3
−2
−1
0
1
2
3
C/C (953)
C/A (41)
A/A (NA)
rs12079353 (Chr1:159554607)
Locus 444 top sentinel (CIS), p=6.3e−11

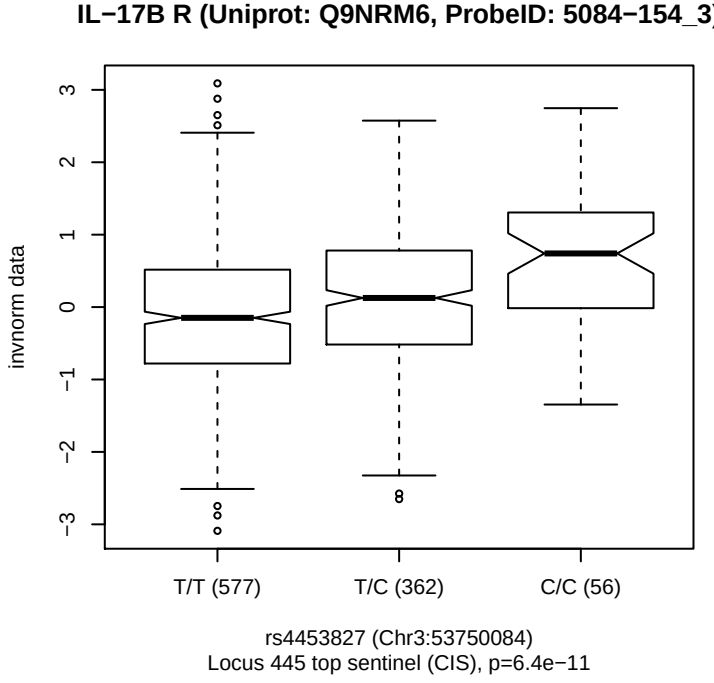

IL−17B R (Uniprot: Q9NRM6, ProbeID: 5084−154_3)
Frequency
0
200
400
600
800
1000
0
10000
20000
30000
40000
50000
raw data
interleukin−17 receptor B

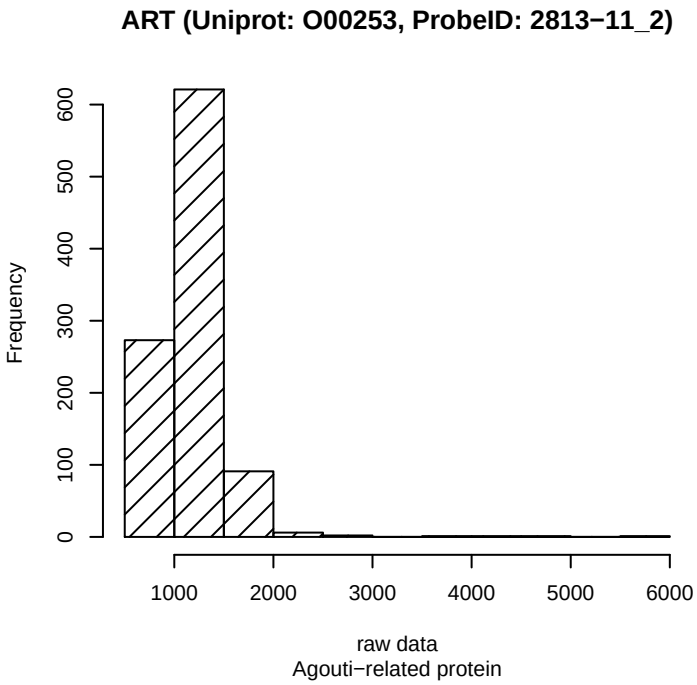

IL−17B R (Uniprot: Q9NRM6, ProbeID: 5084−154_3)
raw data
0
10000
20000
30000
40000
50000
T/T (577)
T/C (362)
C/C (56)
rs4453827 (Chr3:53750084)
Locus 445 top sentinel (CIS), p=0.16

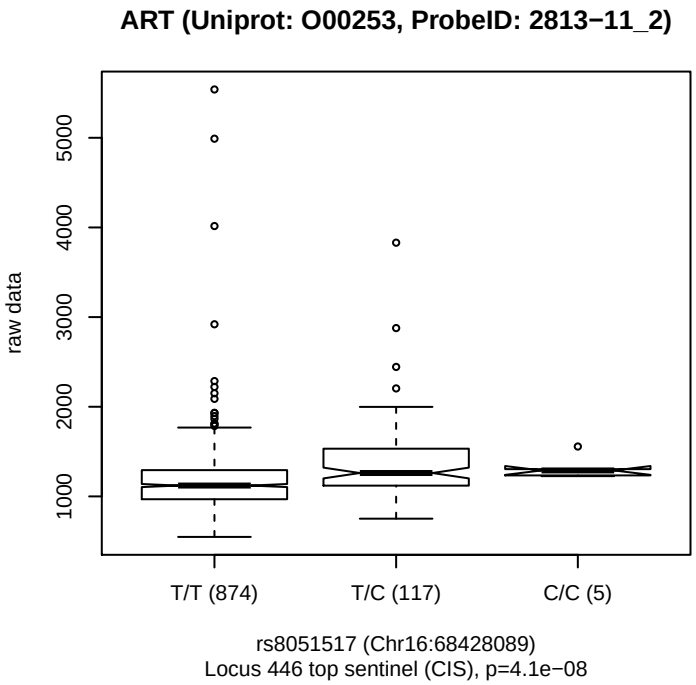

IL−17B R (Uniprot: Q9NRM6, ProbeID: 5084−154_3)
Frequency
0
100
200
300
9
10
11
12
13
14
15
16
log2−scaled data
interleukin−17 receptor B

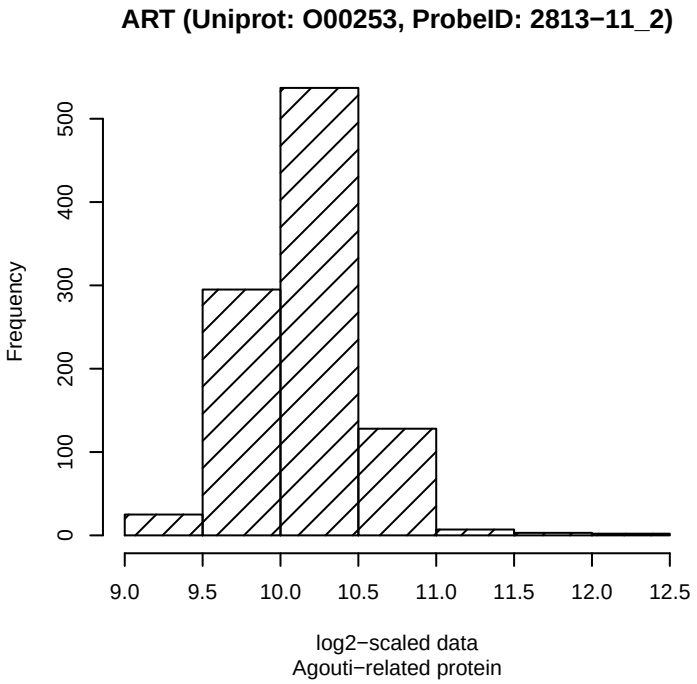

IL−17B R (Uniprot: Q9NRM6, ProbeID: 5084−154_3)
log2−scaled data
10
11
12
13
14
15
T/T (577)
T/C (362)
C/C (56)
rs4453827 (Chr3:53750084)
Locus 445 top sentinel (CIS), p=2e−08, FC=1.1319

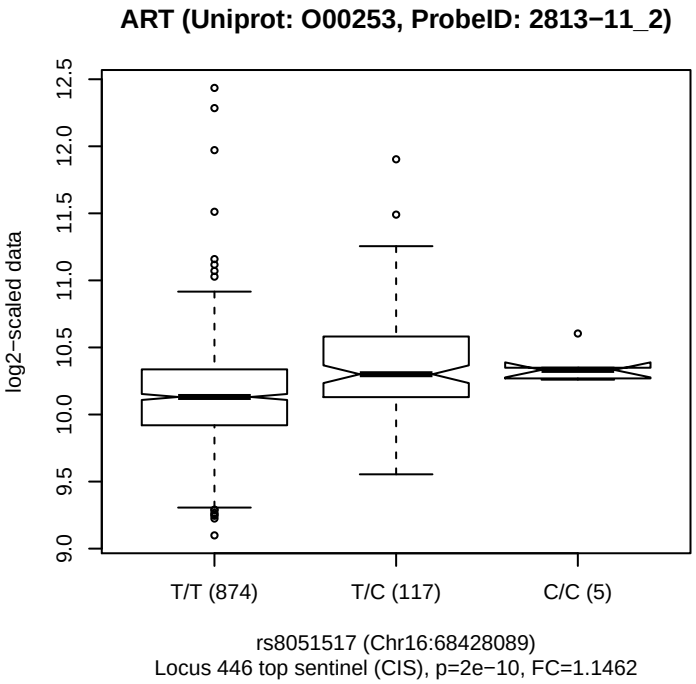

IL−17B R (Uniprot: Q9NRM6, ProbeID: 5084−154_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
interleukin−17 receptor B

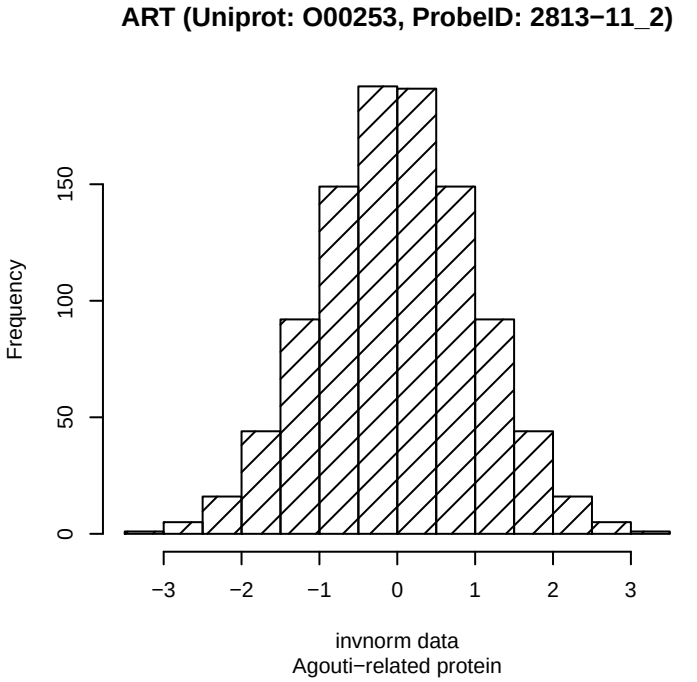

IL−17B R (Uniprot: Q9NRM6, ProbeID: 5084−154_3)
invnorm data
−3
−2
−1
0
1
2
3
T/T (577)
T/C (362)
C/C (56)
rs4453827 (Chr3:53750084)
Locus 445 top sentinel (CIS), p=6.4e−11

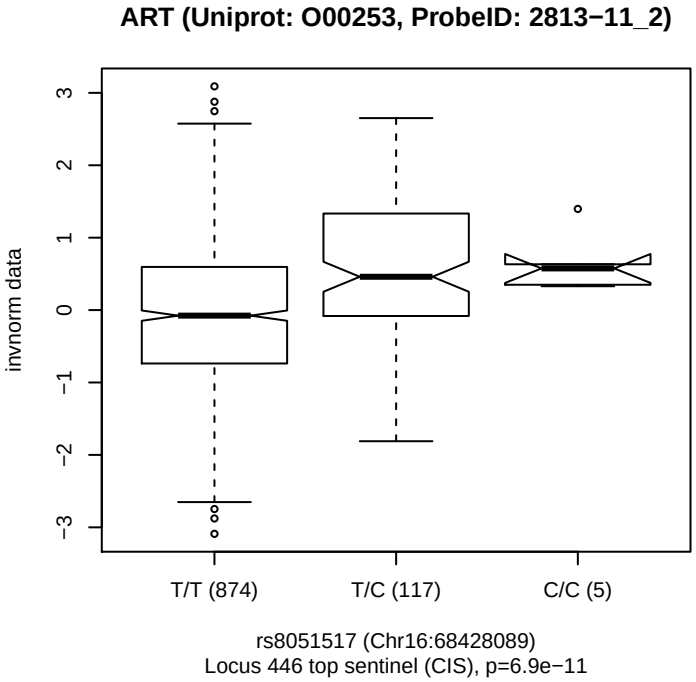

ART (Uniprot: O00253, ProbeID: 2813−11_2)
Frequency
0
100
200
300
400
500
600
1000
2000
3000
4000
5000
6000
raw data
Agouti−related protein

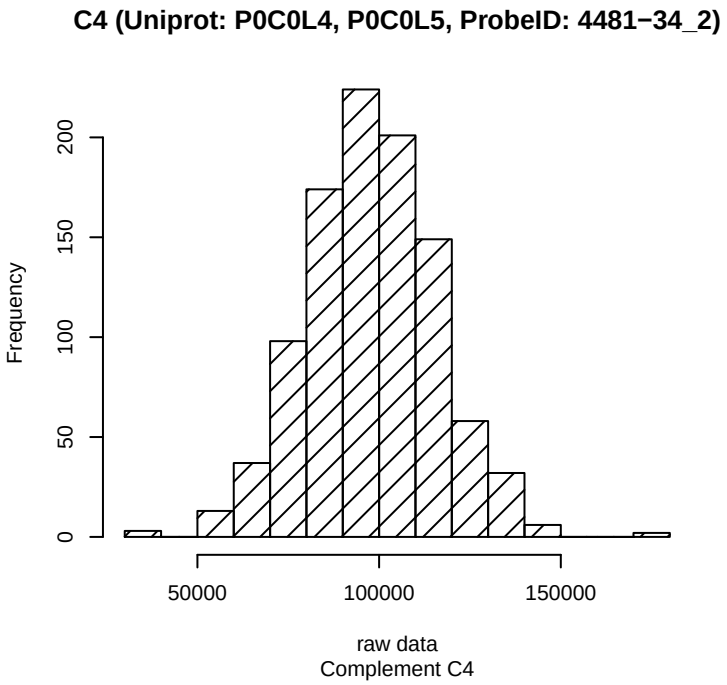

ART (Uniprot: O00253, ProbeID: 2813−11_2)
raw data
1000
2000
3000
4000
5000
T/T (874)
T/C (117)
C/C (5)
rs8051517 (Chr16:68428089)
Locus 446 top sentinel (CIS), p=4.1e−08

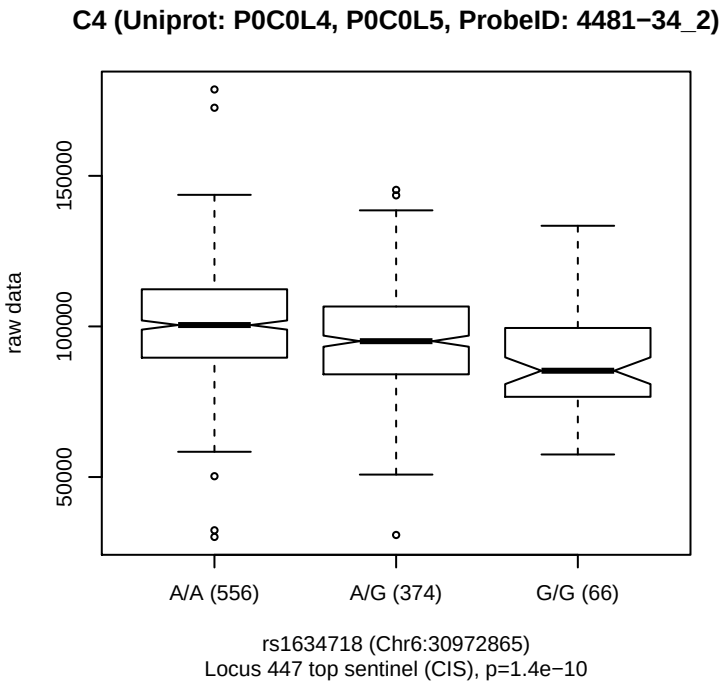

ART (Uniprot: O00253, ProbeID: 2813−11_2)
Frequency
0
100
200
300
400
500
9.0
9.5
10.0
10.5
11.0
11.5
12.0
12.5
log2−scaled data
Agouti−related protein

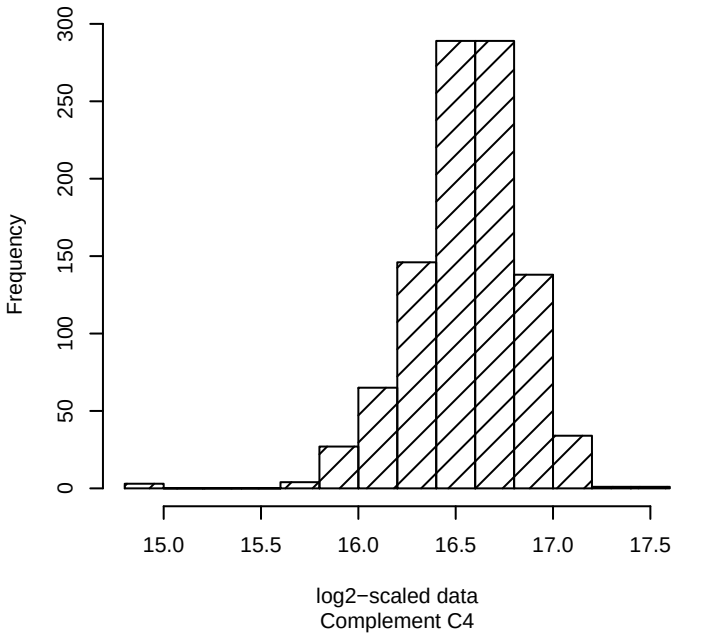

ART (Uniprot: O00253, ProbeID: 2813−11_2)
log2−scaled data
9.0
9.5
10.0
10.5
11.0
11.5
12.0
12.5
T/T (874)
T/C (117)
C/C (5)
rs8051517 (Chr16:68428089)
Locus 446 top sentinel (CIS), p=2e−10, FC=1.1462

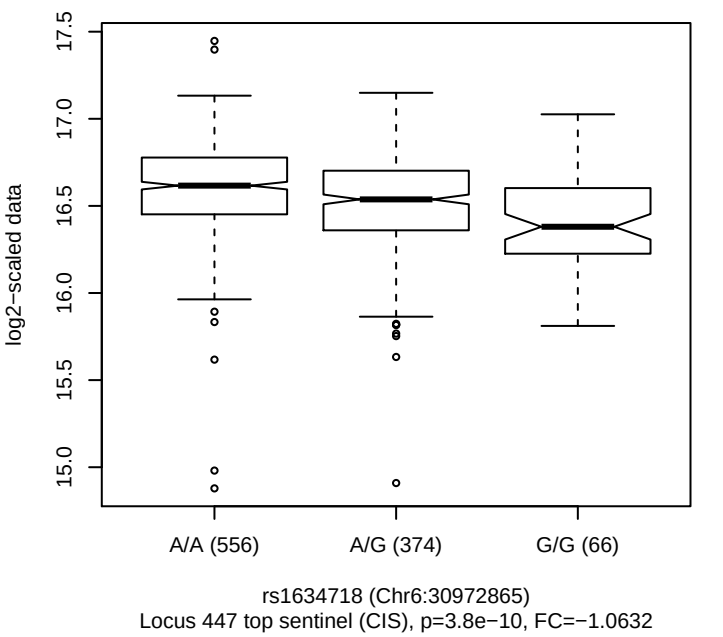

ART (Uniprot: O00253, ProbeID: 2813−11_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Agouti−related protein

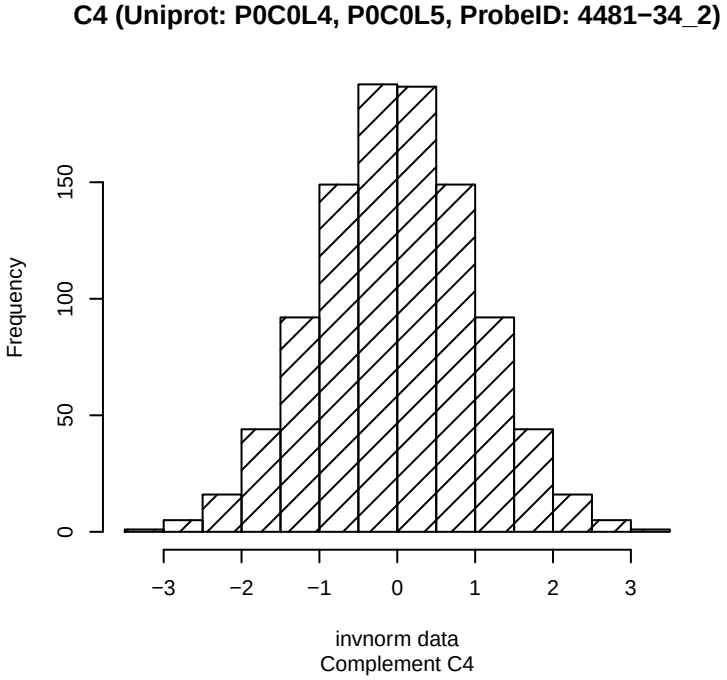

ART (Uniprot: O00253, ProbeID: 2813−11_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (874)
T/C (117)
C/C (5)
rs8051517 (Chr16:68428089)
Locus 446 top sentinel (CIS), p=6.9e−11

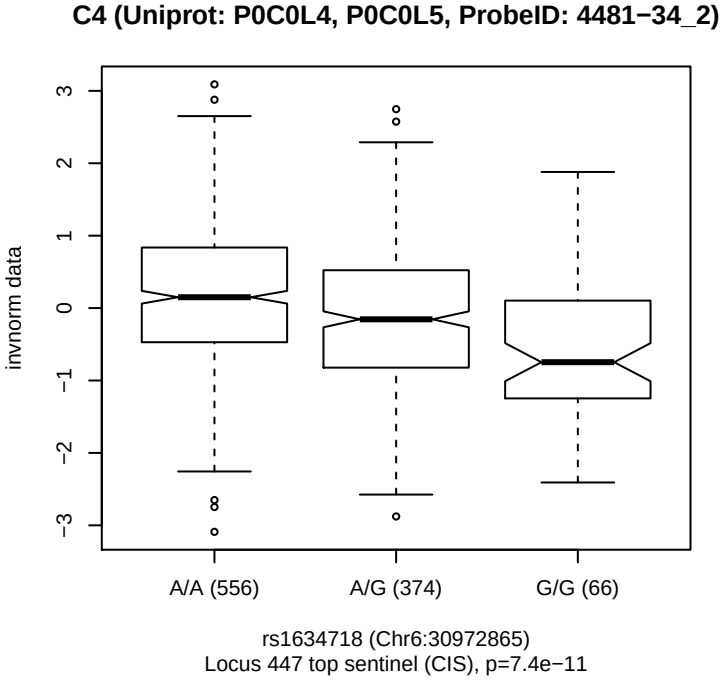

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
Frequency
0
50
100
150
200
50000
100000
150000
raw data
Complement C4

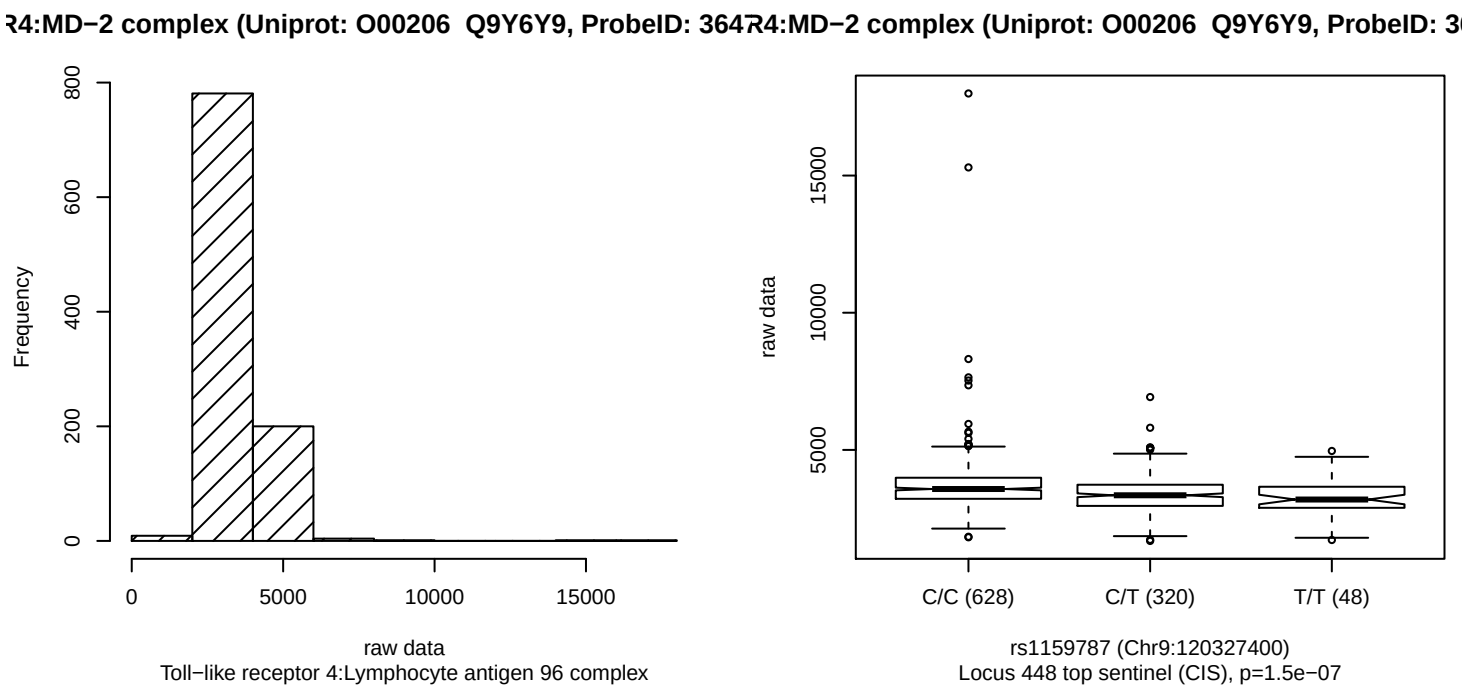

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
raw data
50000
100000
150000
A/A (556)
A/G (374)
G/G (66)
rs1634718 (Chr6:30972865)
Locus 447 top sentinel (CIS), p=1.4e−10

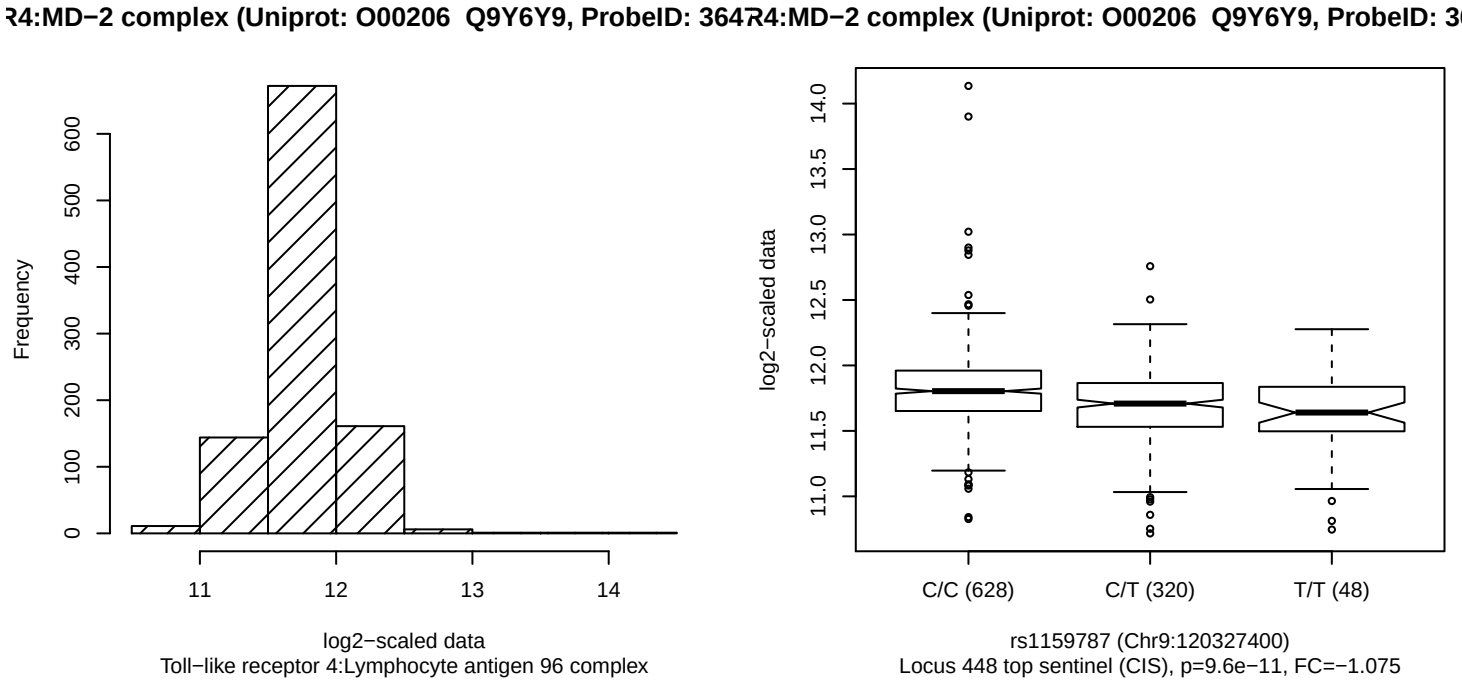

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
Frequency
0
50
100
150
200
250
300
15.0
15.5
16.0
16.5
17.0
17.5
log2−scaled data
Complement C4

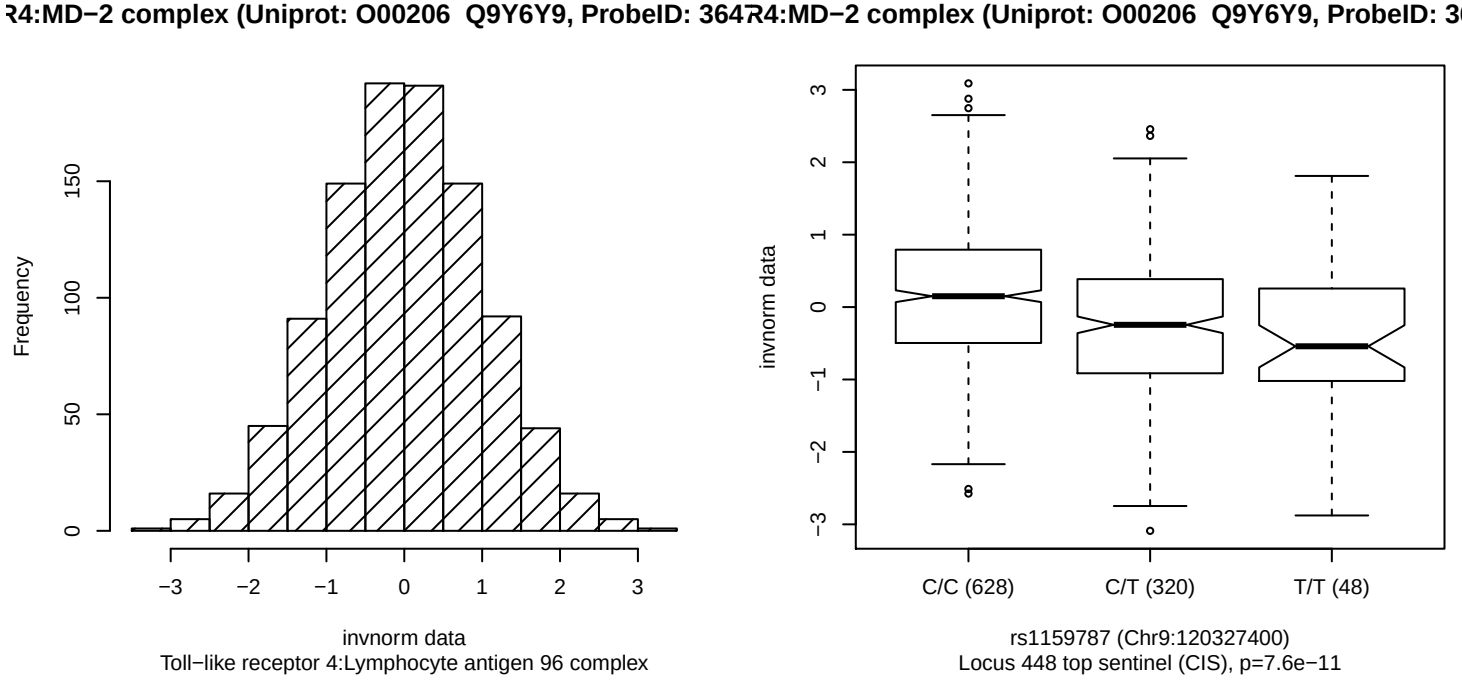

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
log2−scaled data
15.0
15.5
16.0
16.5
17.0
17.5
A/A (556)
A/G (374)
G/G (66)
rs1634718 (Chr6:30972865)
Locus 447 top sentinel (CIS), p=3.8e−10, FC=−1.0632

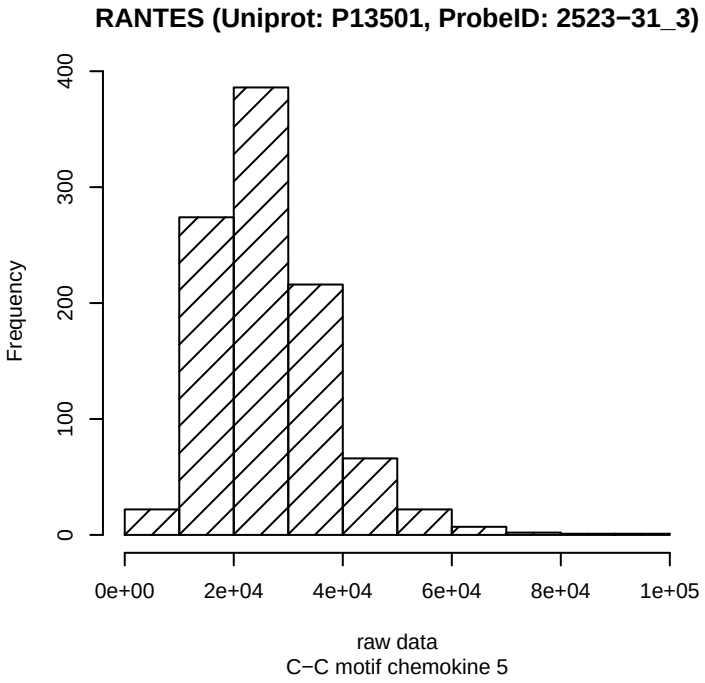

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Complement C4

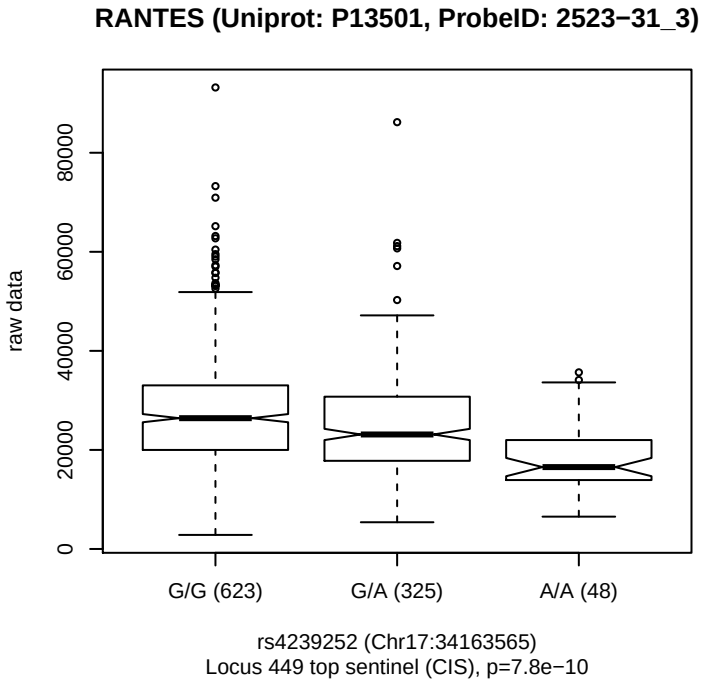

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (556)
A/G (374)
G/G (66)
rs1634718 (Chr6:30972865)
Locus 447 top sentinel (CIS), p=7.4e−11

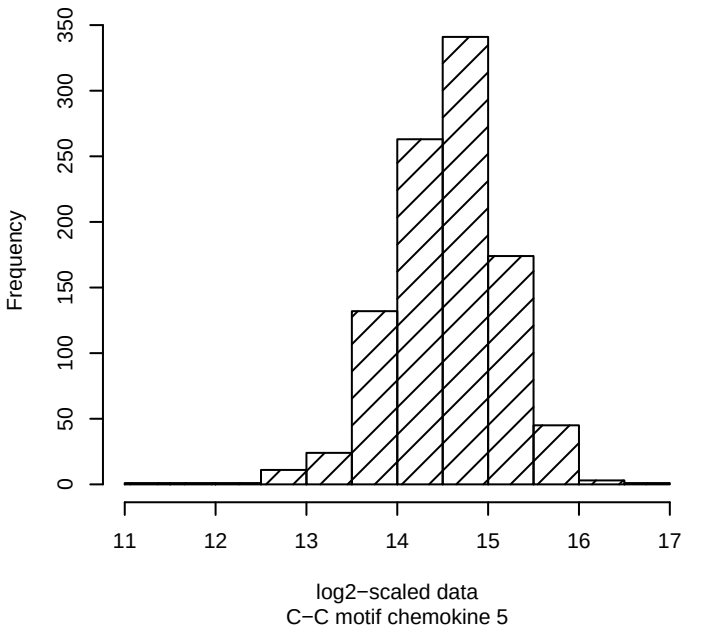

R4:MD−2 complex (Uniprot: O00206 Q9Y6Y9, ProbeID: 364
R4:MD−2 complex (Uniprot: O00206 Q9Y6Y9, ProbeID: 364
Frequency
0
200
400
600
800
0
5000
10000
15000
raw data
Toll−like receptor 4:Lymphocyte antigen 96 complex
raw data
5000
10000
15000
C/C (628)
C/T (320)
T/T (48)
rs1159787 (Chr9:120327400)
Locus 448 top sentinel (CIS), p=1.5e−07

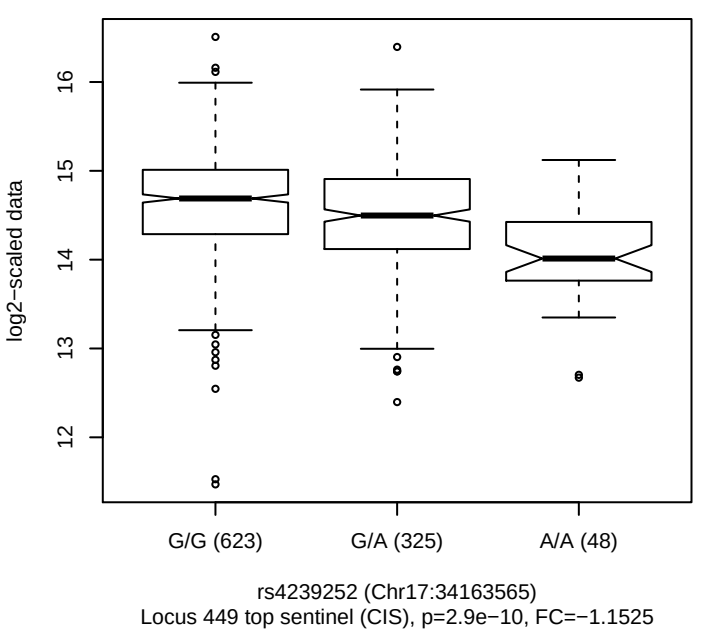

R4:MD−2 complex (Uniprot: O00206 Q9Y6Y9, ProbeID: 364
R4:MD−2 complex (Uniprot: O00206 Q9Y6Y9, ProbeID: 364
Frequency
0
100
200
300
400
500
600
11
12
13
14
log2−scaled data
Toll−like receptor 4:Lymphocyte antigen 96 complex
log2−scaled data
11.0
11.5
12.0
12.5
13.0
13.5
14.0
C/C (628)
C/T (320)
T/T (48)
rs1159787 (Chr9:120327400)
Locus 448 top sentinel (CIS), p=9.6e−11, FC=−1.075

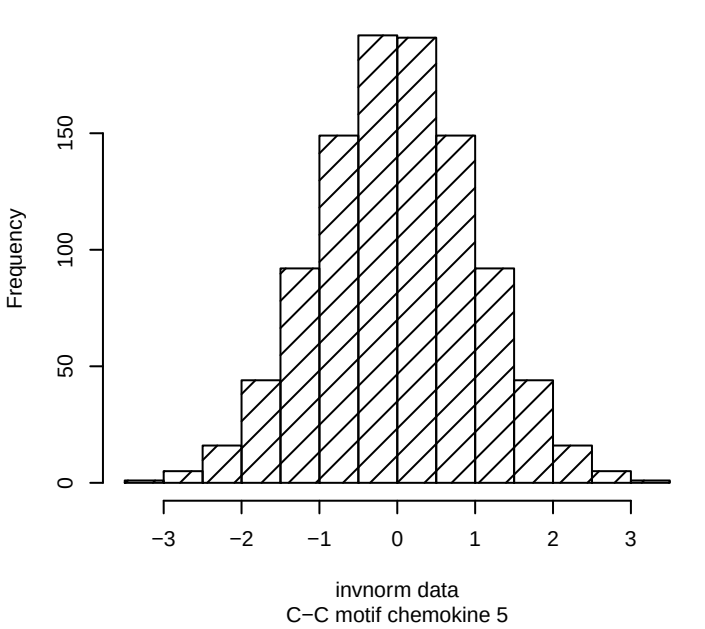

R4:MD−2 complex (Uniprot: O00206 Q9Y6Y9, ProbeID: 364
R4:MD−2 complex (Uniprot: O00206 Q9Y6Y9, ProbeID: 364
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Toll−like receptor 4:Lymphocyte antigen 96 complex
invnorm data
−3
−2
−1
0
1
2
3
C/C (628)
C/T (320)
T/T (48)
rs1159787 (Chr9:120327400)
Locus 448 top sentinel (CIS), p=7.6e−11

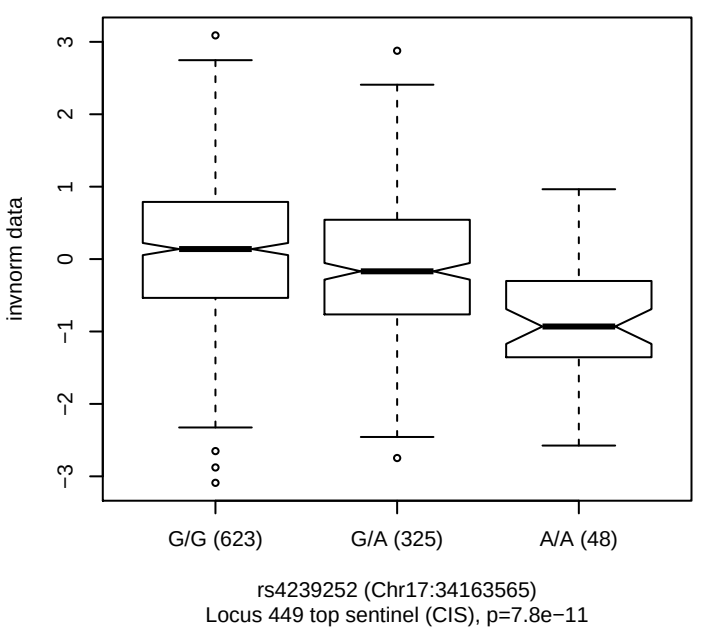

RANTES (Uniprot: P13501, ProbeID: 2523−31_3)
Frequency
0
100
200
300
400
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
raw data
C−C motif chemokine 5

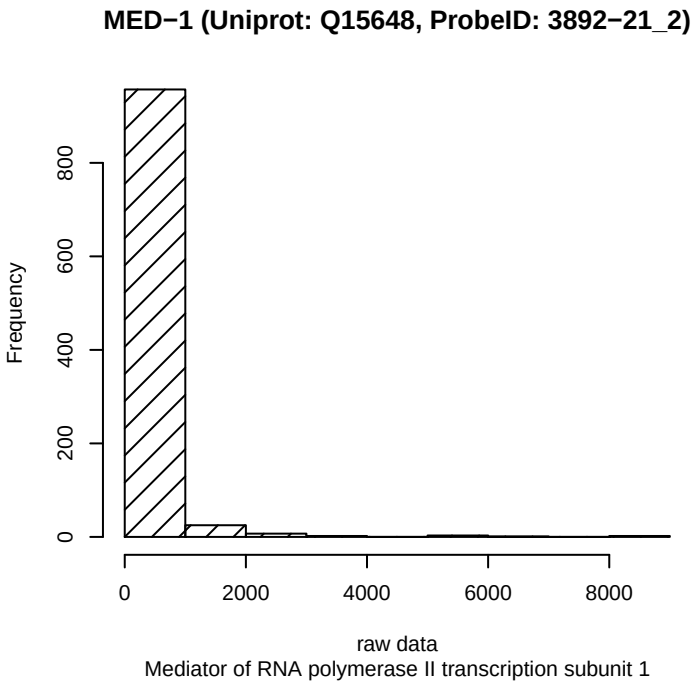

RANTES (Uniprot: P13501, ProbeID: 2523−31_3)
raw data
0
20000
40000
60000
80000
G/G (623)
G/A (325)
A/A (48)
rs4239252 (Chr17:34163565)
Locus 449 top sentinel (CIS), p=7.8e−10

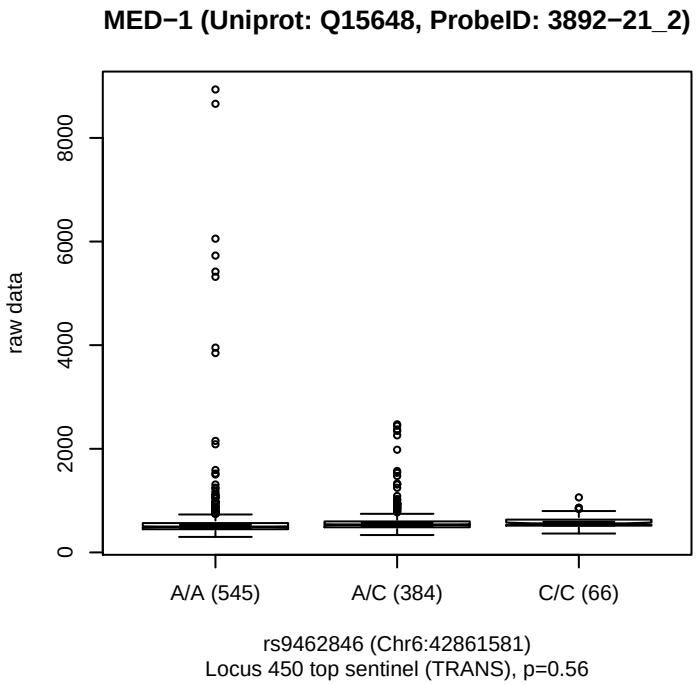

RANTES (Uniprot: P13501, ProbeID: 2523−31_3)
Frequency
0
50
100
150
200
250
300
350
11
12
13
14
15
16
17
log2−scaled data
C−C motif chemokine 5

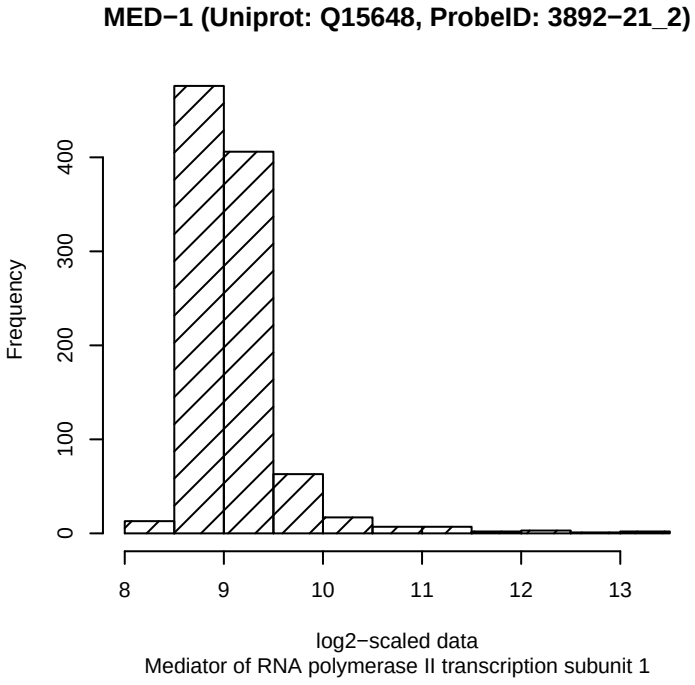

RANTES (Uniprot: P13501, ProbeID: 2523−31_3)
log2−scaled data
12
13
14
15
16
G/G (623)
G/A (325)
A/A (48)
rs4239252 (Chr17:34163565)
Locus 449 top sentinel (CIS), p=2.9e−10, FC=−1.1525

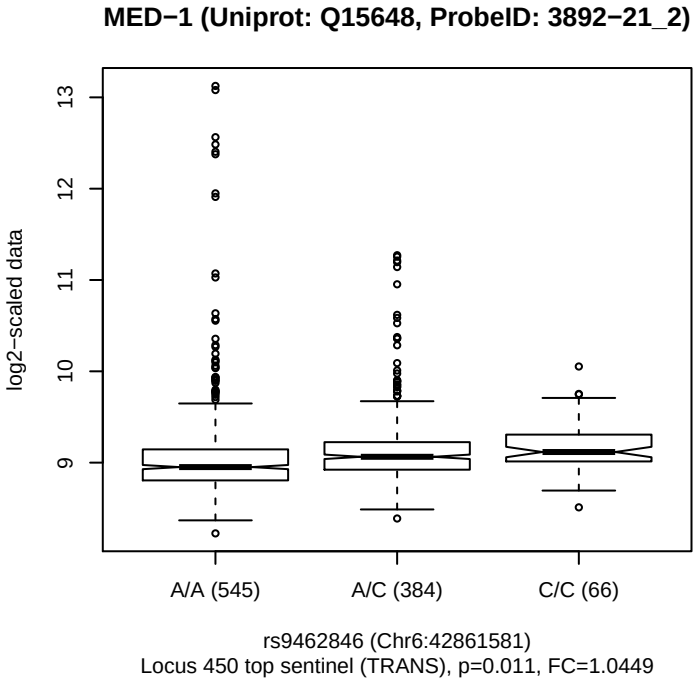

RANTES (Uniprot: P13501, ProbeID: 2523−31_3)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 5

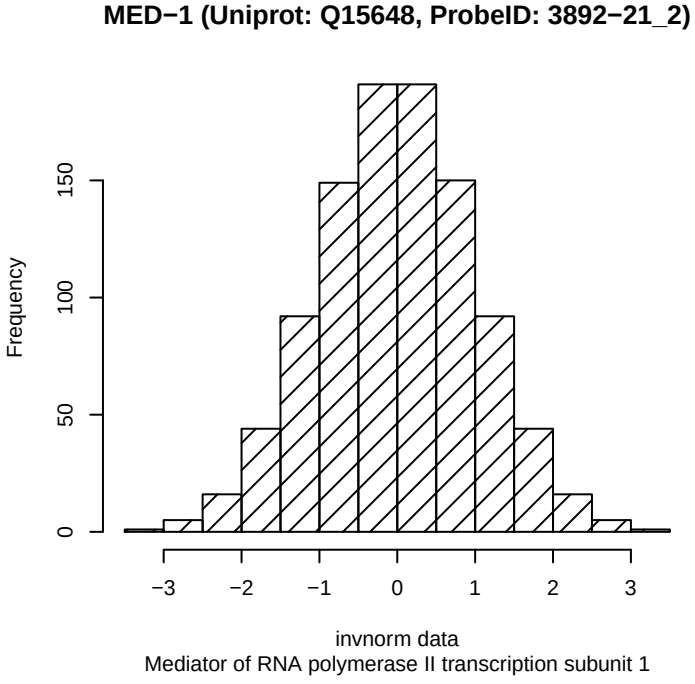

RANTES (Uniprot: P13501, ProbeID: 2523−31_3)
invnorm data
−3
−2
−1
0
1
2
3
G/G (623)
G/A (325)
A/A (48)
rs4239252 (Chr17:34163565)
Locus 449 top sentinel (CIS), p=7.8e−11

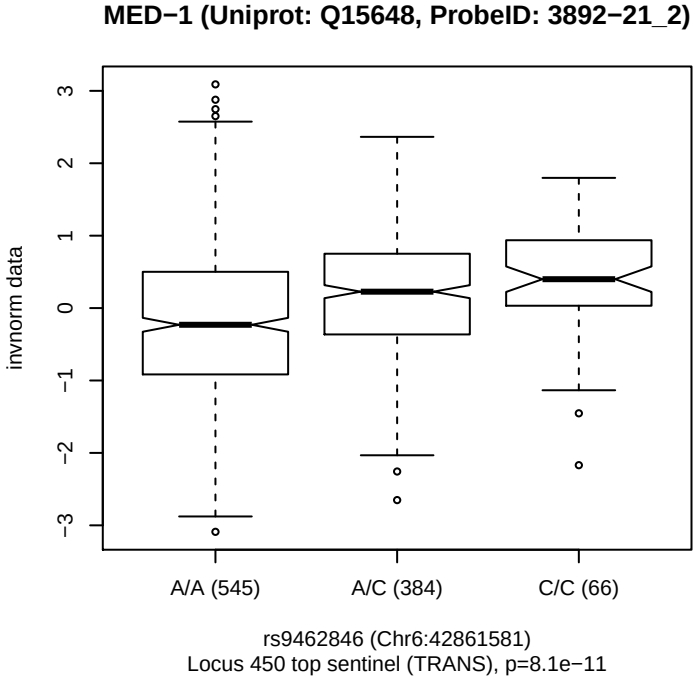

MED−1 (Uniprot: Q15648, ProbeID: 3892−21_2)
Frequency
0
200
400
600
800
0
2000
4000
6000
8000
raw data
Mediator of RNA polymerase II transcription subunit 1

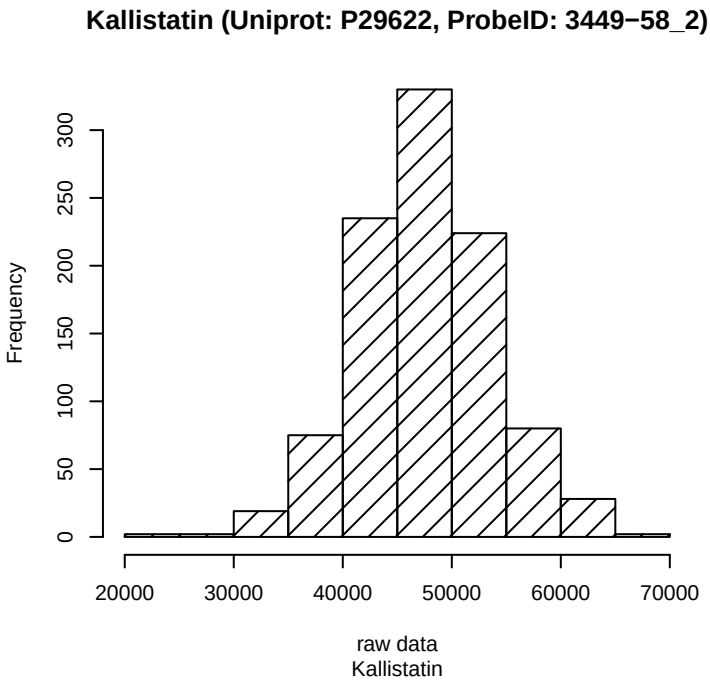

MED−1 (Uniprot: Q15648, ProbeID: 3892−21_2)
raw data
0
2000
4000
6000
8000
A/A (545)
A/C (384)
C/C (66)
rs9462846 (Chr6:42861581)
Locus 450 top sentinel (TRANS), p=0.56

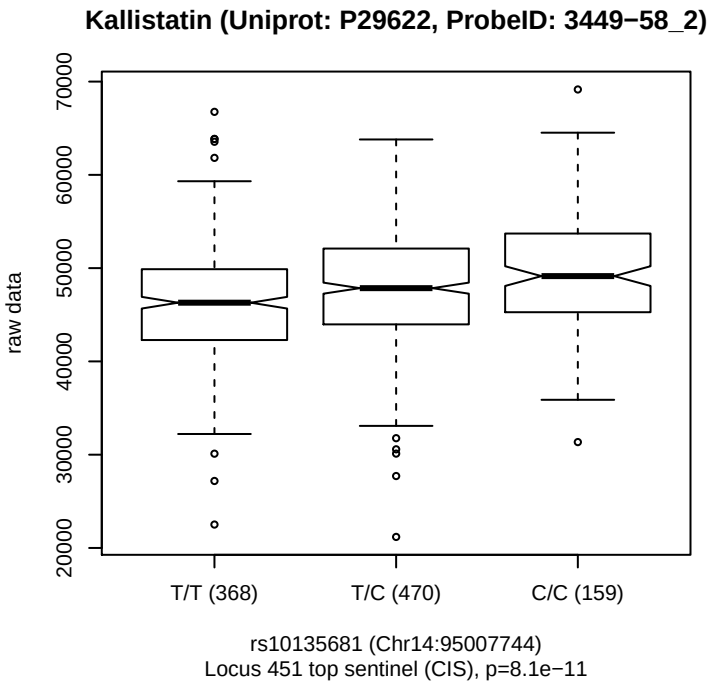

MED−1 (Uniprot: Q15648, ProbeID: 3892−21_2)
Frequency
0
100
200
300
400
8
9
10
11
12
13
log2−scaled data
Mediator of RNA polymerase II transcription subunit 1

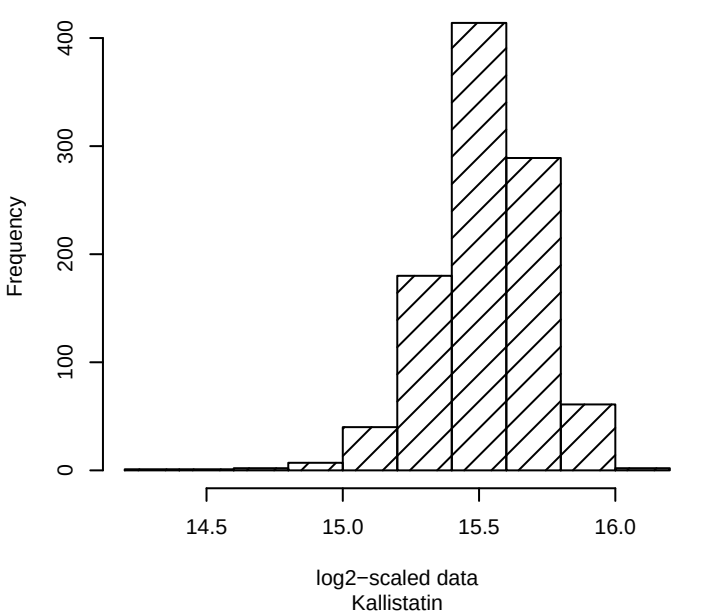

MED−1 (Uniprot: Q15648, ProbeID: 3892−21_2)
log2−scaled data
9
10
11
12
13
A/A (545)
A/C (384)
C/C (66)
rs9462846 (Chr6:42861581)
Locus 450 top sentinel (TRANS), p=0.011, FC=1.0449

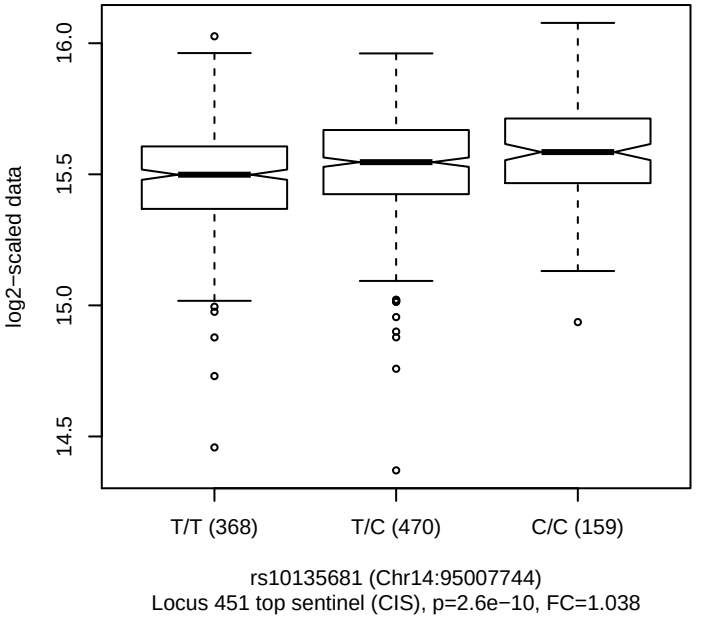

MED−1 (Uniprot: Q15648, ProbeID: 3892−21_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Mediator of RNA polymerase II transcription subunit 1

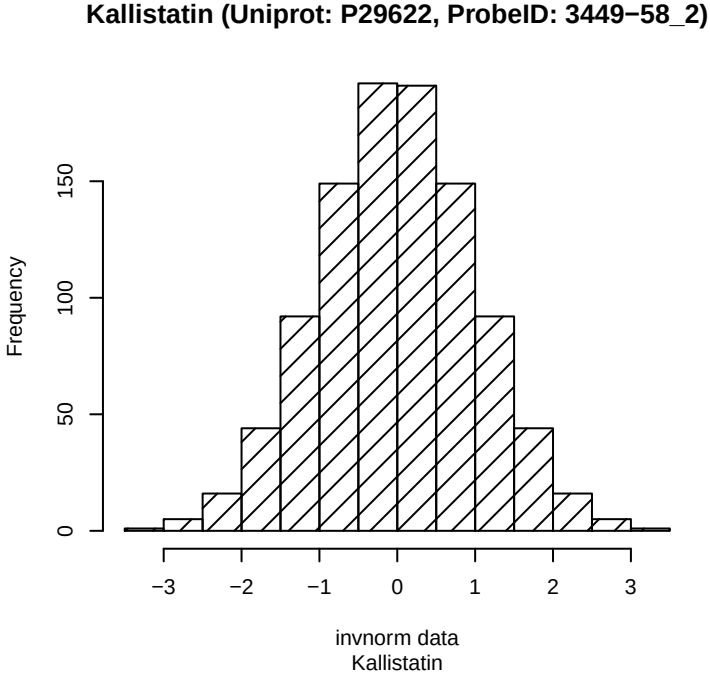

MED−1 (Uniprot: Q15648, ProbeID: 3892−21_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (545)
A/C (384)
C/C (66)
rs9462846 (Chr6:42861581)
Locus 450 top sentinel (TRANS), p=8.1e−11

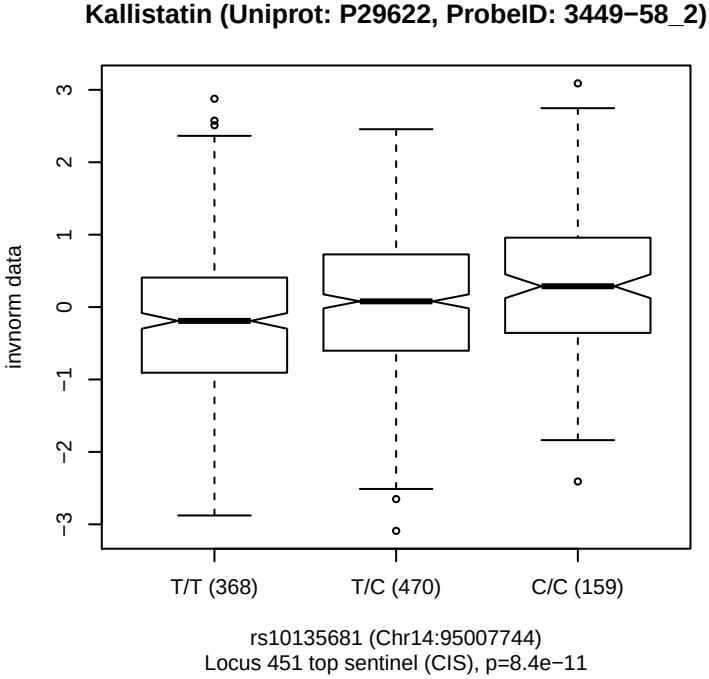

Kallistatin (Uniprot: P29622, ProbeID: 3449−58_2)
Frequency
0
50
100
150
200
250
300
20000
30000
40000
50000
60000
70000
raw data
Kallistatin


Kallistatin (Uniprot: P29622, ProbeID: 3449−58_2)
raw data
20000
30000
40000
50000
60000
70000
T/T (368)
T/C (470)
C/C (159)
rs10135681 (Chr14:95007744)
Locus 451 top sentinel (CIS), p=8.1e−11


Kallistatin (Uniprot: P29622, ProbeID: 3449−58_2)
Frequency
0
100
200
300
400
14.5
15.0
15.5
16.0
log2−scaled data
Kallistatin


Kallistatin (Uniprot: P29622, ProbeID: 3449−58_2)
log2−scaled data
14.5
15.0
15.5
16.0
T/T (368)
T/C (470)
C/C (159)
rs10135681 (Chr14:95007744)
Locus 451 top sentinel (CIS), p=2.6e−10, FC=1.038


Kallistatin (Uniprot: P29622, ProbeID: 3449−58_2)
Frequency
0
50
100
150
−3
−2
−1
0
1
2
3
invnorm data
Kallistatin


Kallistatin (Uniprot: P29622, ProbeID: 3449−58_2)
invnorm data
−3
−2
−1
0
1
2
3
T/T (368)
T/C (470)
C/C (159)
rs10135681 (Chr14:95007744)
Locus 451 top sentinel (CIS), p=8.4e−11