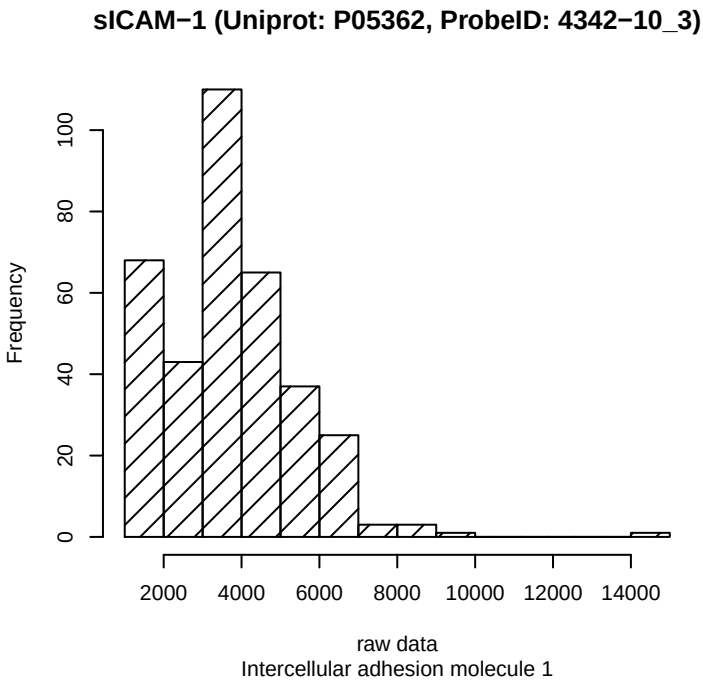
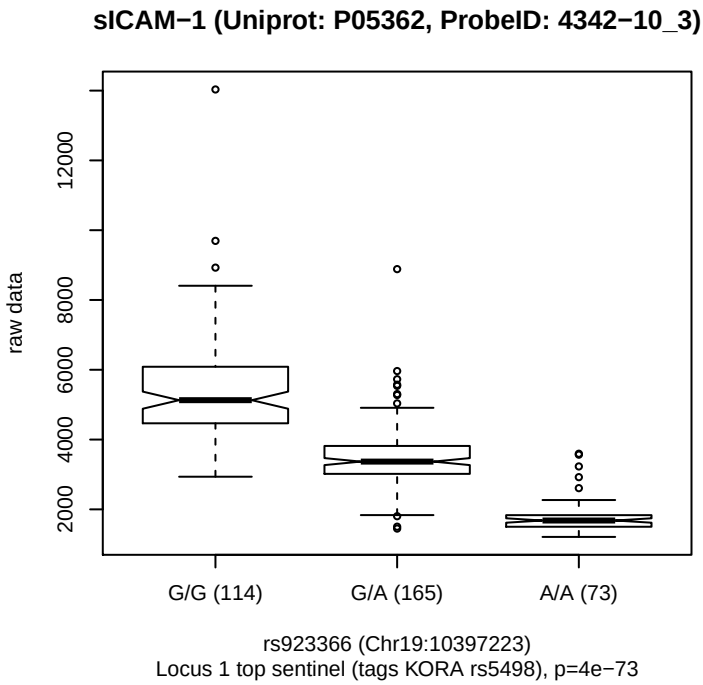
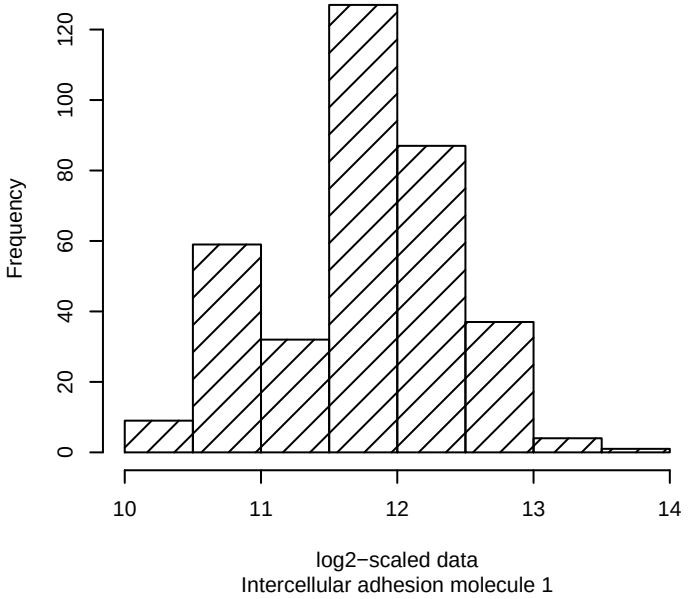
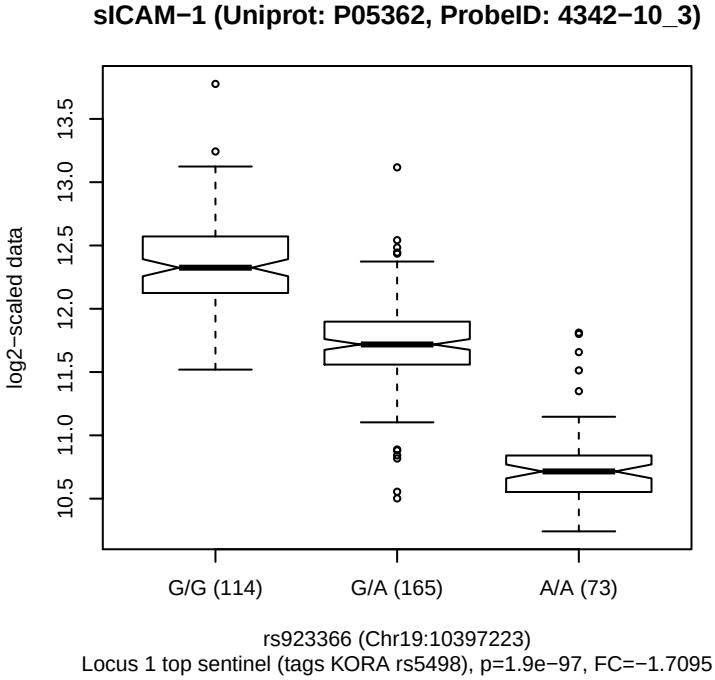
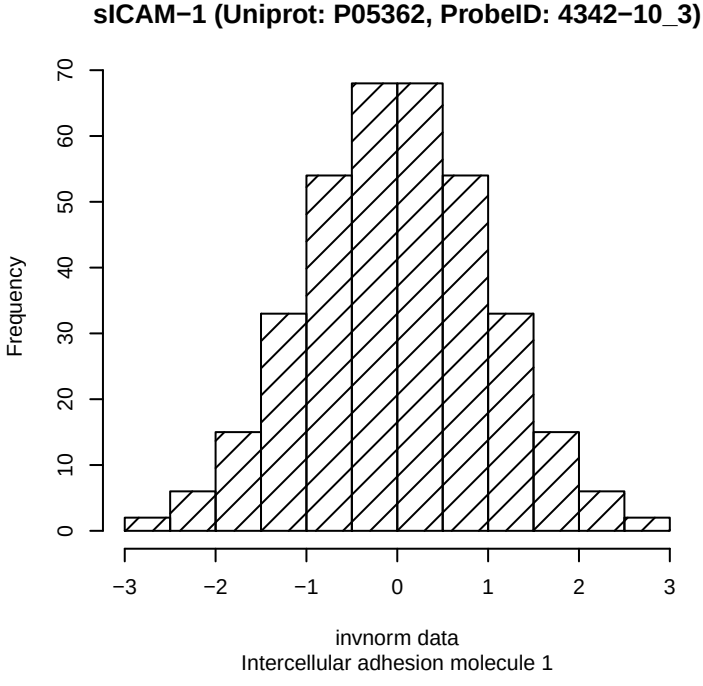
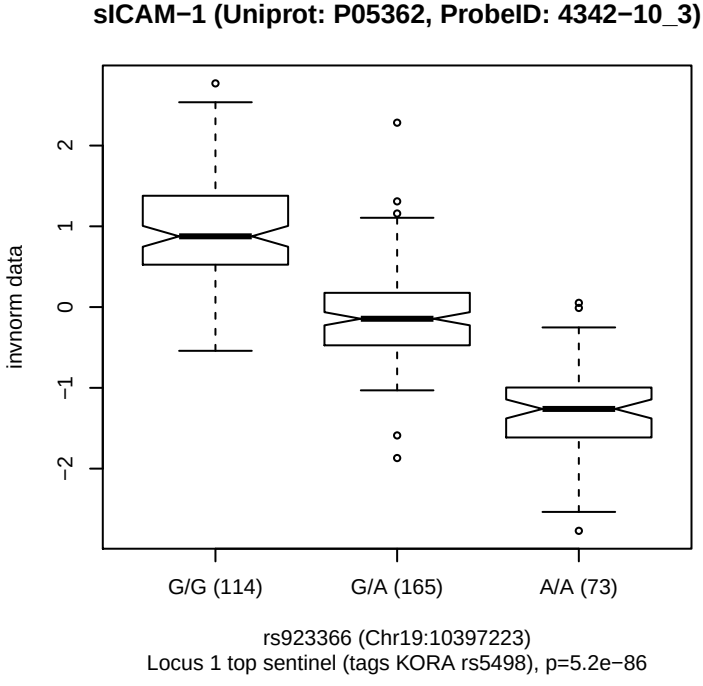

sICAM−1 (Uniprot: P05362, ProbeID: 4342−10_3)
Frequency
0
20
40
60
80
100
2000
4000
6000
8000
10000
12000
14000
raw data
Intercellular adhesion molecule 1

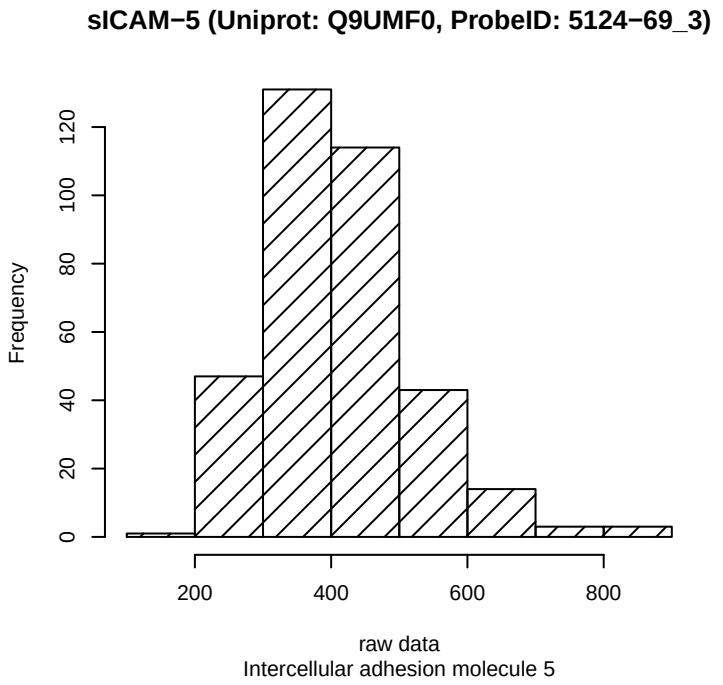

sICAM−1 (Uniprot: P05362, ProbeID: 4342−10_3)
raw data
2000
4000
6000
8000
12000
G/G (114)
G/A (165)
A/A (73)
rs923366 (Chr19:10397223)
Locus 1 top sentinel (tags KORA rs5498), p=4e−73

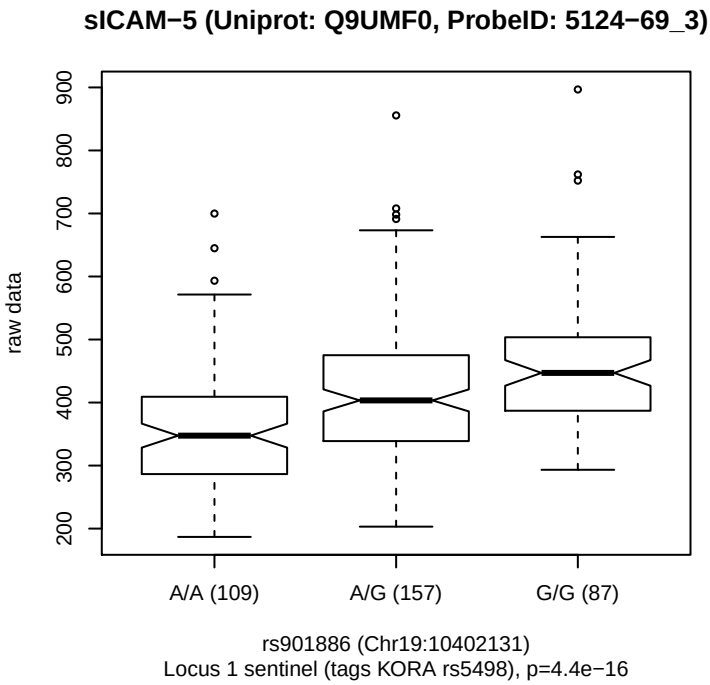

sICAM−1 (Uniprot: P05362, ProbeID: 4342−10_3)
Frequency
0
20
40
60
80
100
120
10
11
12
13
14
log2−scaled data
Intercellular adhesion molecule 1

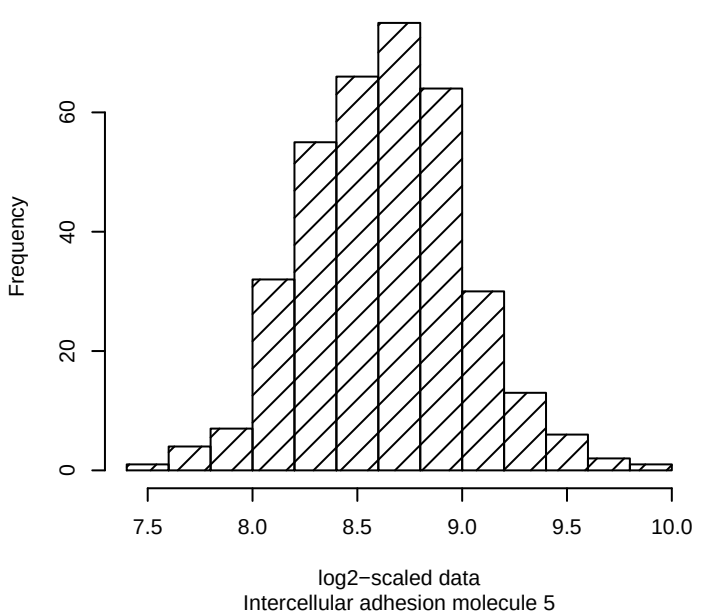

sICAM−1 (Uniprot: P05362, ProbeID: 4342−10_3)
log2−scaled data
10.5
11.0
11.5
12.0
12.5
13.0
13.5
G/G (114)
G/A (165)
A/A (73)
rs923366 (Chr19:10397223)
Locus 1 top sentinel (tags KORA rs5498), p=1.9e−97, FC=−1.7095

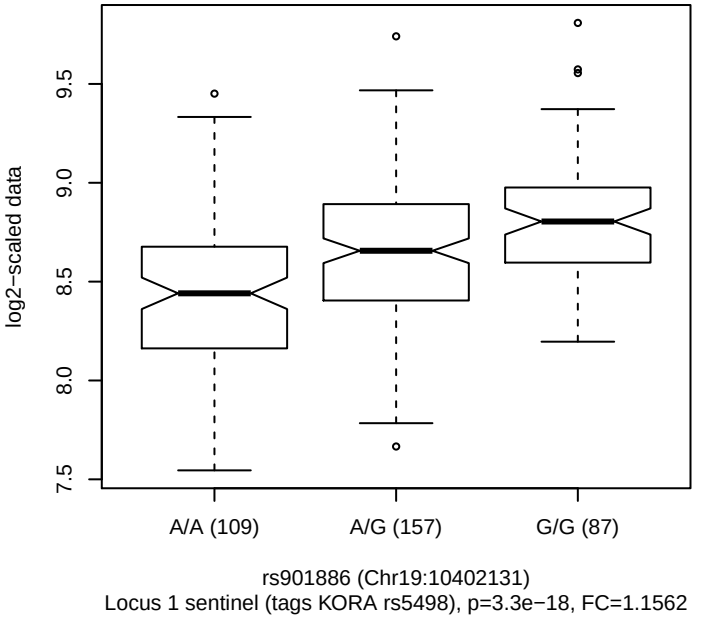

sICAM−1 (Uniprot: P05362, ProbeID: 4342−10_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Intercellular adhesion molecule 1

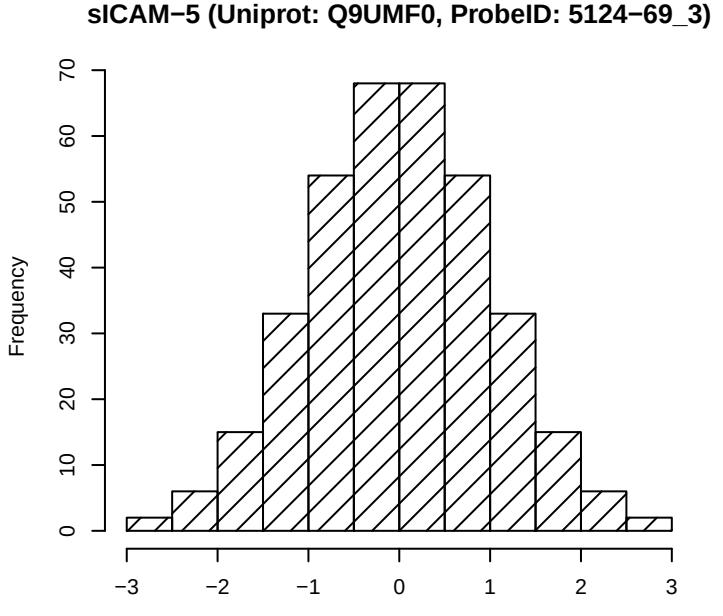

sICAM−1 (Uniprot: P05362, ProbeID: 4342−10_3)
invnorm data
−2
−1
0
1
2
G/G (114)
G/A (165)
A/A (73)
rs923366 (Chr19:10397223)
Locus 1 top sentinel (tags KORA rs5498), p=5.2e−86

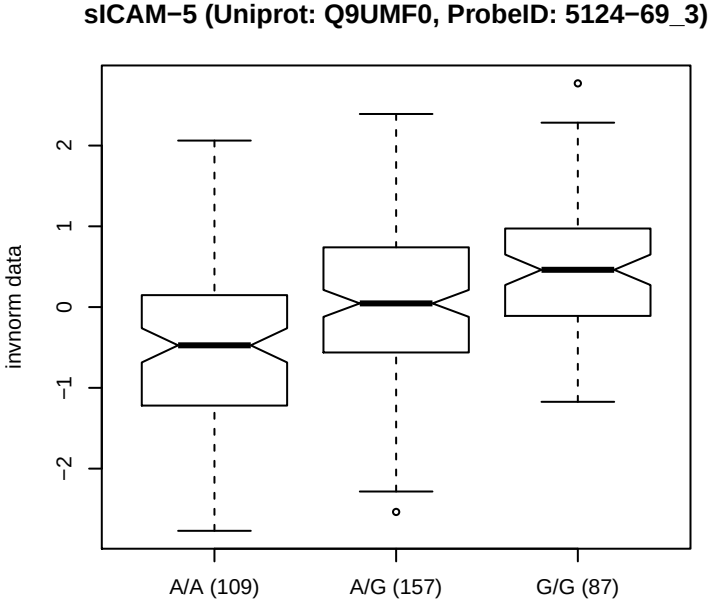

sICAM−5 (Uniprot: Q9UMF0, ProbeID: 5124−69_3)
Frequency
0
20
40
60
80
100
120
200
400
600
800
raw data
Intercellular adhesion molecule 5

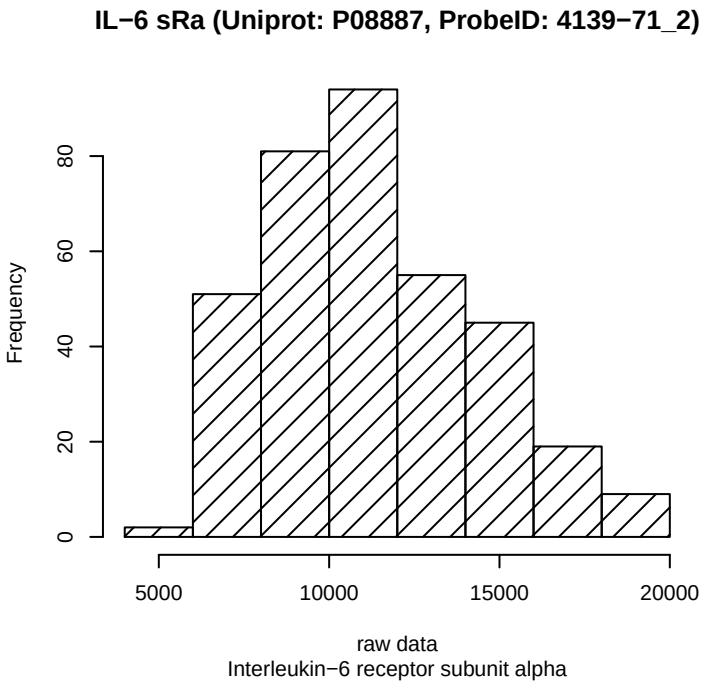

sICAM−5 (Uniprot: Q9UMF0, ProbeID: 5124−69_3)
raw data
200
300
400
500
600
700
800
900
A/A (109)
A/G (157)
G/G (87)
rs901886 (Chr19:10402131)
Locus 1 sentinel (tags KORA rs5498), p=4.4e−16

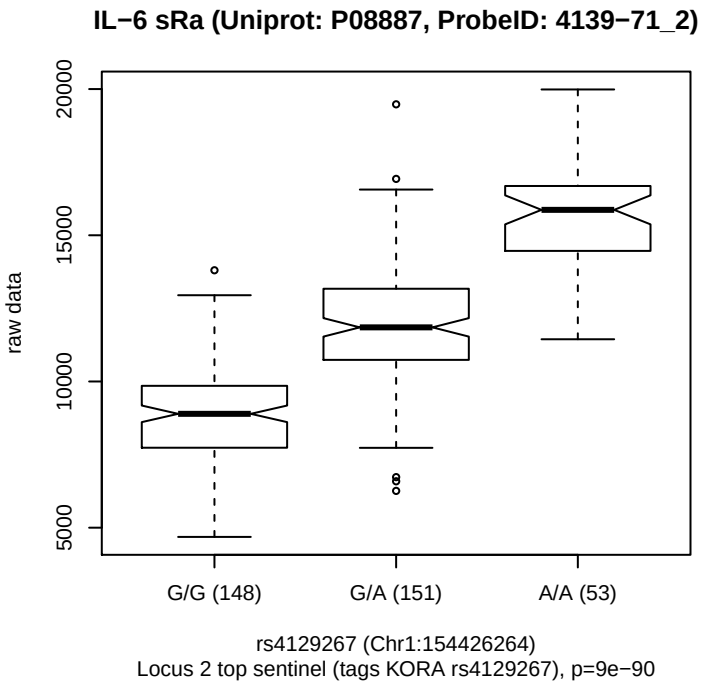

sICAM−5 (Uniprot: Q9UMF0, ProbeID: 5124−69_3)
Frequency
0
20
40
60
7.5
8.0
8.5
9.0
9.5
10.0
log2−scaled data
Intercellular adhesion molecule 5

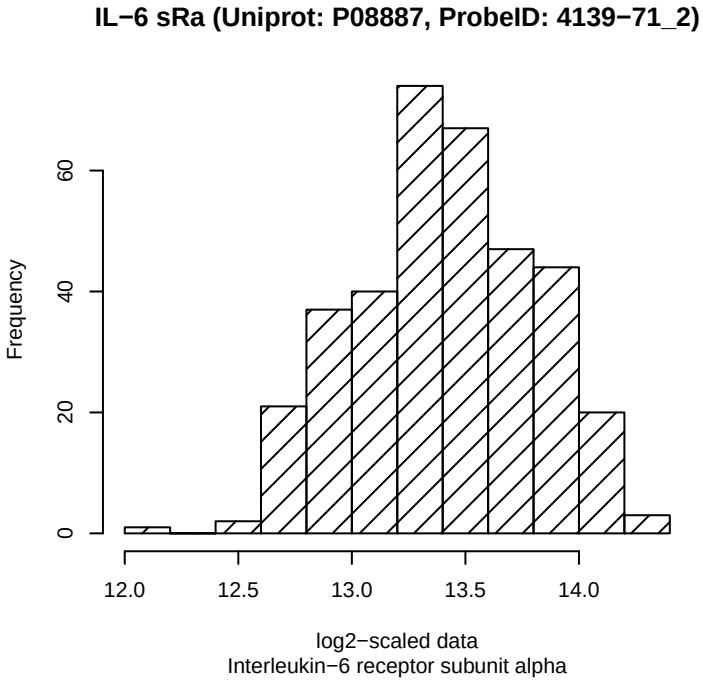

sICAM−5 (Uniprot: Q9UMF0, ProbeID: 5124−69_3)
log2−scaled data
7.5
8.0
8.5
9.0
9.5
A/A (109)
A/G (157)
G/G (87)
rs901886 (Chr19:10402131)
Locus 1 sentinel (tags KORA rs5498), p=3.3e−18, FC=1.1562

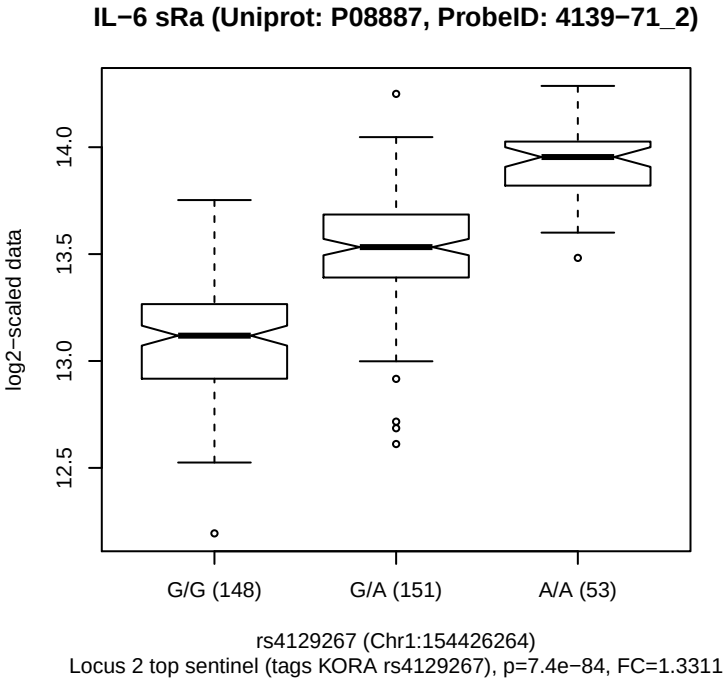

sICAM−5 (Uniprot: Q9UMF0, ProbeID: 5124−69_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Intercellular adhesion molecule 5

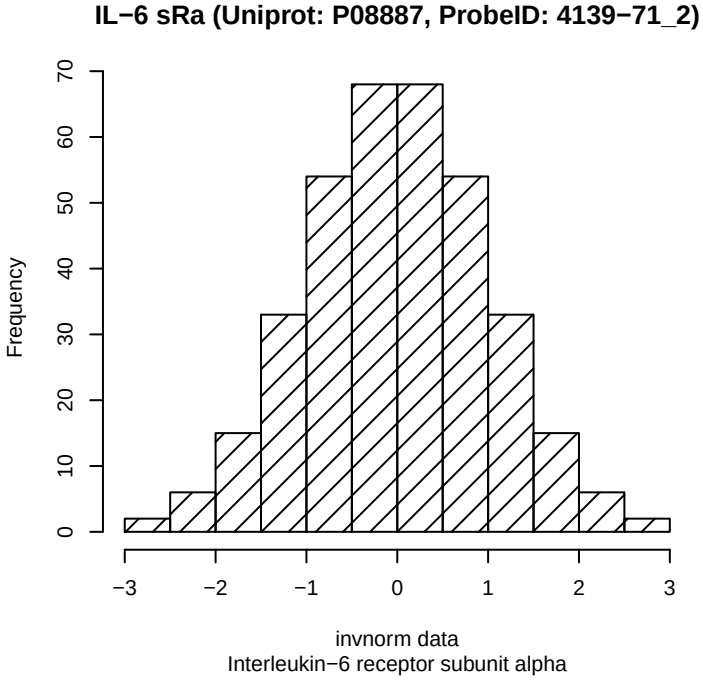

sICAM−5 (Uniprot: Q9UMF0, ProbeID: 5124−69_3)
invnorm data
−2
−1
0
1
2
A/A (109)
A/G (157)
G/G (87)
rs901886 (Chr19:10402131)
Locus 1 sentinel (tags KORA rs5498), p=1.6e−18

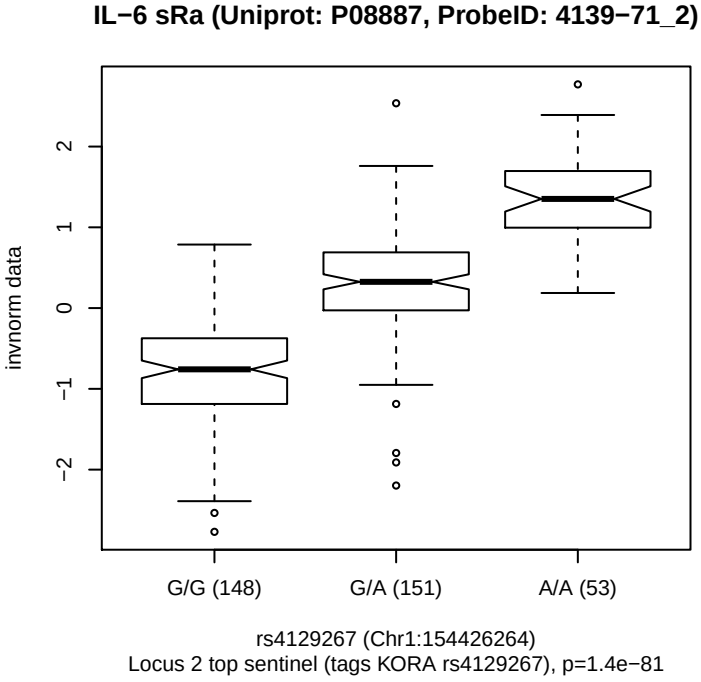

IL−6 sRa (Uniprot: P08887, ProbeID: 4139−71_2)
Frequency
0
20
40
60
80
5000
10000
15000
20000
raw data
Interleukin−6 receptor subunit alpha

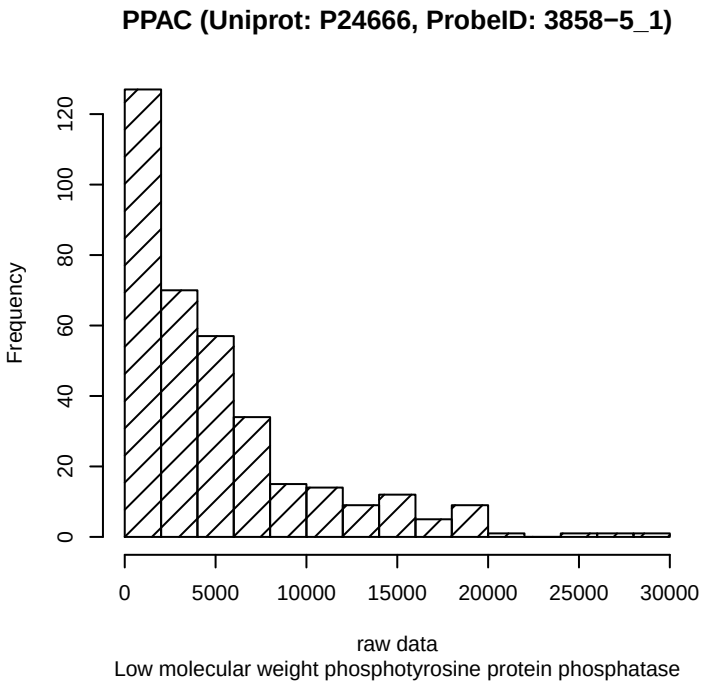

IL−6 sRa (Uniprot: P08887, ProbeID: 4139−71_2)
raw data
5000
10000
15000
20000
G/G (148)
G/A (151)
A/A (53)
rs4129267 (Chr1:154426264)
Locus 2 top sentinel (tags KORA rs4129267), p=9e−90

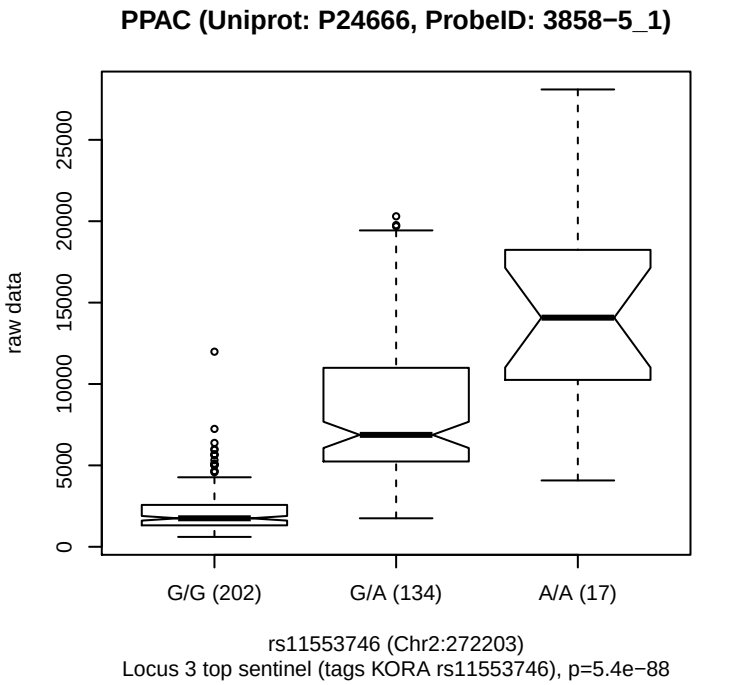

IL−6 sRa (Uniprot: P08887, ProbeID: 4139−71_2)
Frequency
0
20
40
60
12.0
12.5
13.0
13.5
14.0
log2−scaled data
Interleukin−6 receptor subunit alpha

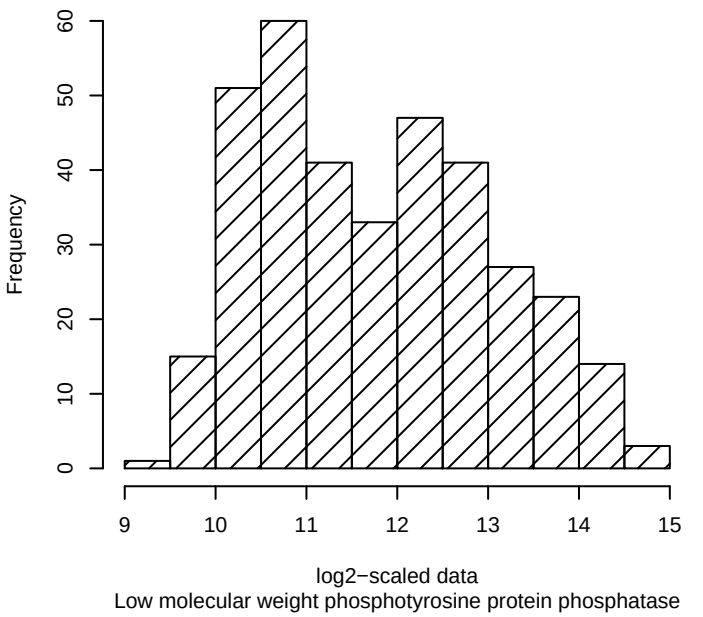

IL−6 sRa (Uniprot: P08887, ProbeID: 4139−71_2)
log2−scaled data
12.5
13.0
13.5
14.0
G/G (148)
G/A (151)
A/A (53)
rs4129267 (Chr1:154426264)
Locus 2 top sentinel (tags KORA rs4129267), p=7.4e−84, FC=1.3311

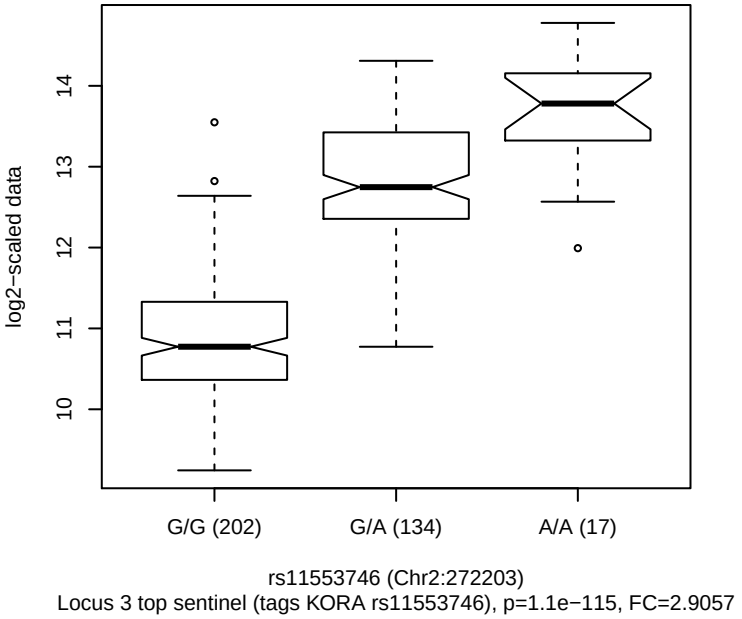

IL−6 sRa (Uniprot: P08887, ProbeID: 4139−71_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−6 receptor subunit alpha

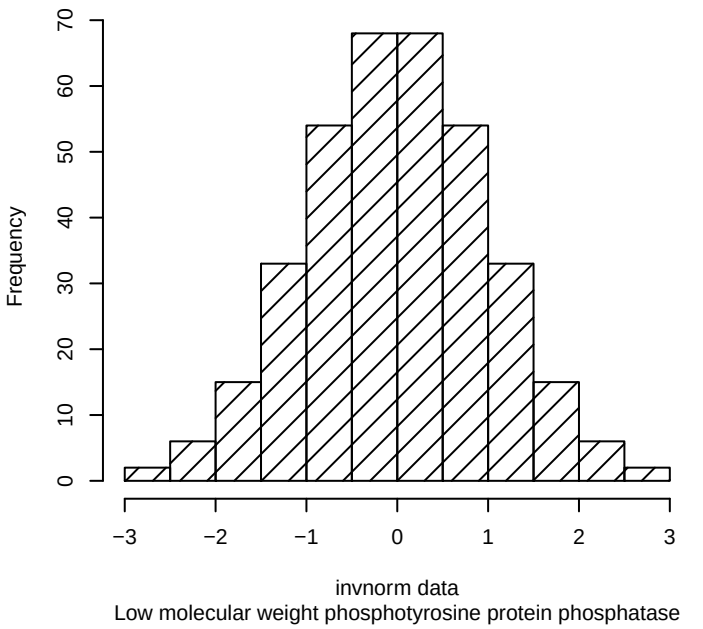

IL−6 sRa (Uniprot: P08887, ProbeID: 4139−71_2)
invnorm data
−2
−1
0
1
2
G/G (148)
G/A (151)
A/A (53)
rs4129267 (Chr1:154426264)
Locus 2 top sentinel (tags KORA rs4129267), p=1.4e−81

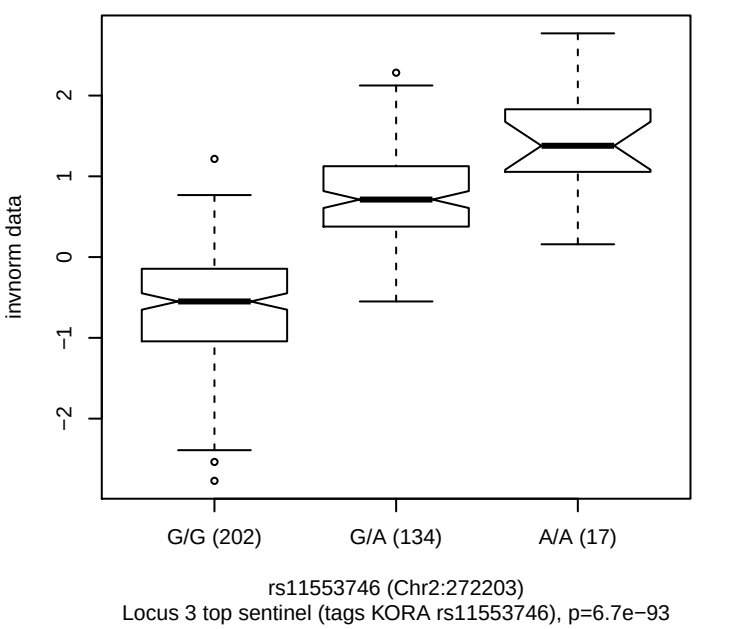

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
Frequency
0
20
40
60
80
100
120
0
5000
10000
15000
20000
25000
30000
raw data
Low molecular weight phosphotyrosine protein phosphatase

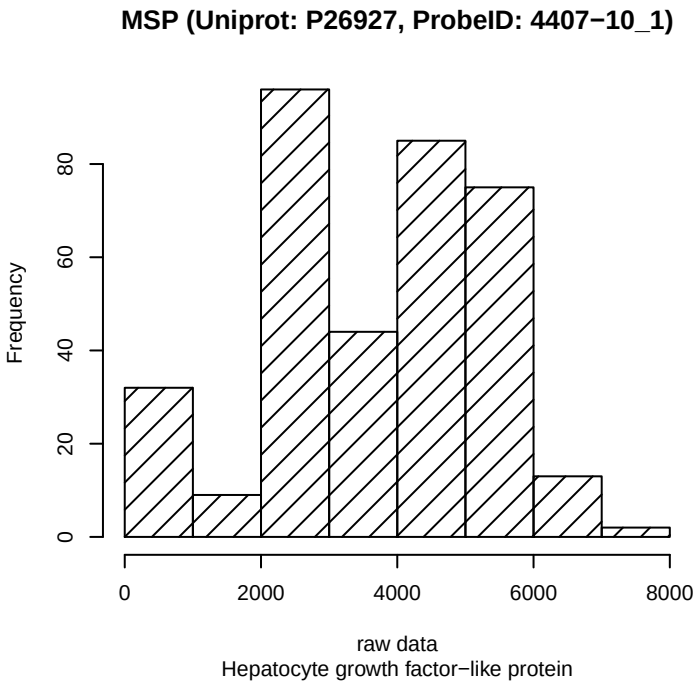

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
raw data
0
5000
10000
15000
20000
25000
G/G (202)
G/A (134)
A/A (17)
rs11553746 (Chr2:272203)
Locus 3 top sentinel (tags KORA rs11553746), p=5.4e−88

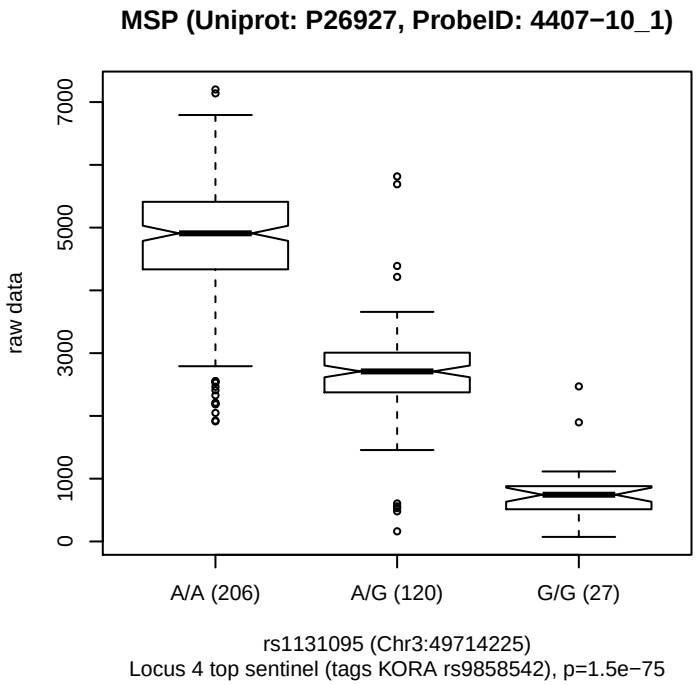

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
Frequency
0
10
20
30
40
50
60
9
10
11
12
13
14
15
log2−scaled data
Low molecular weight phosphotyrosine protein phosphatase

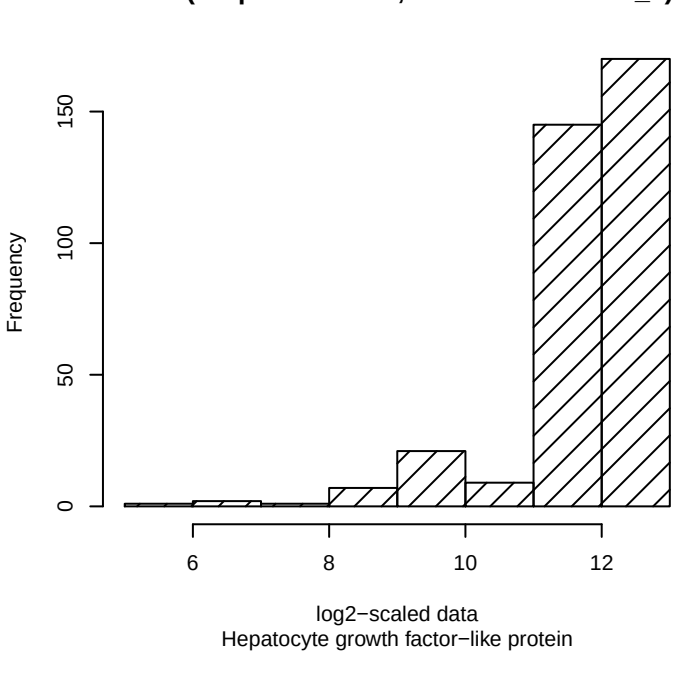

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
log2−scaled data
10
11
12
13
14
G/G (202)
G/A (134)
A/A (17)
rs11553746 (Chr2:272203)
Locus 3 top sentinel (tags KORA rs11553746), p=1.1e−115, FC=2.9057

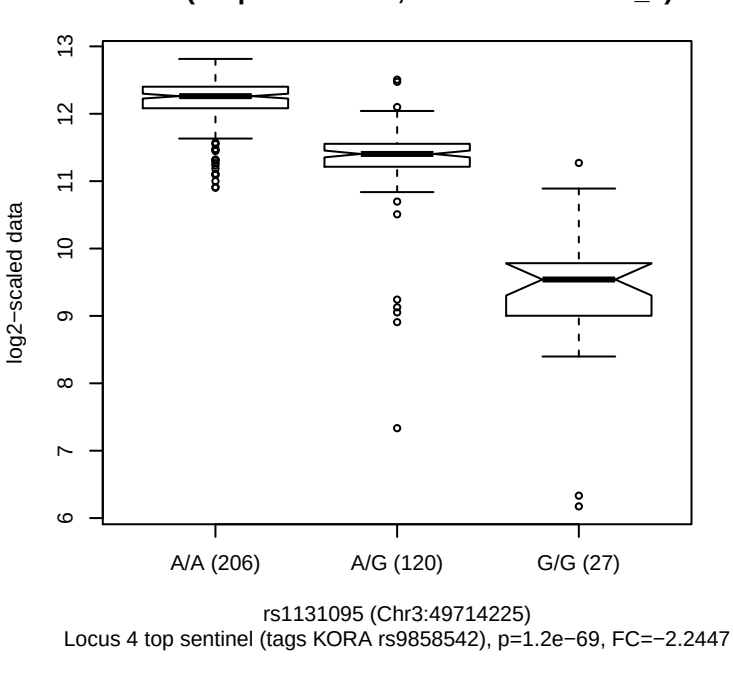

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Low molecular weight phosphotyrosine protein phosphatase

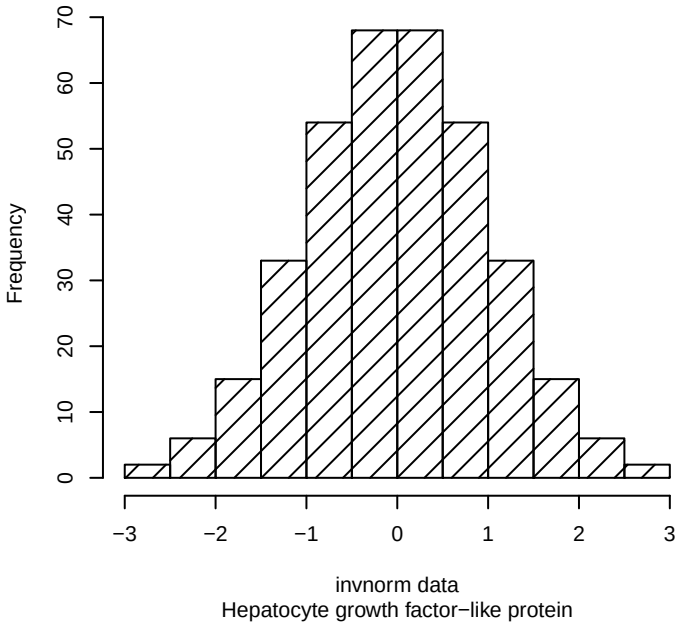

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
invnorm data
−2
−1
0
1
2
G/G (202)
G/A (134)
A/A (17)
rs11553746 (Chr2:272203)
Locus 3 top sentinel (tags KORA rs11553746), p=6.7e−93

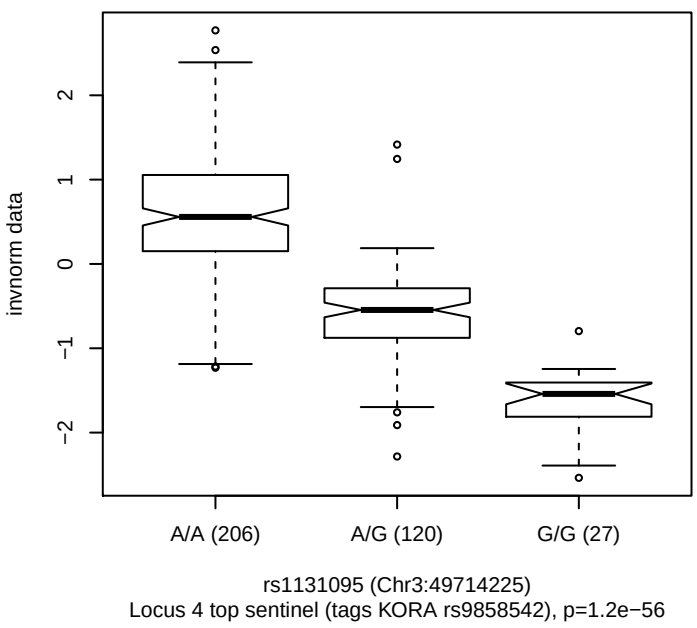

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
Frequency
0
20
40
60
80
0
2000
4000
6000
8000
raw data
Hepatocyte growth factor−like protein

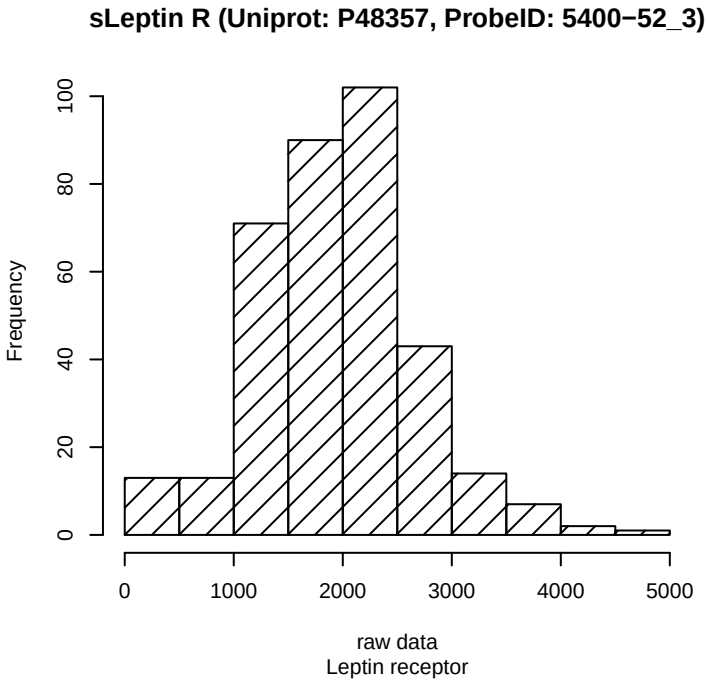

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
raw data
0
1000
3000
5000
7000
A/A (206)
A/G (120)
G/G (27)
rs1131095 (Chr3:49714225)
Locus 4 top sentinel (tags KORA rs9858542), p=1.5e−75

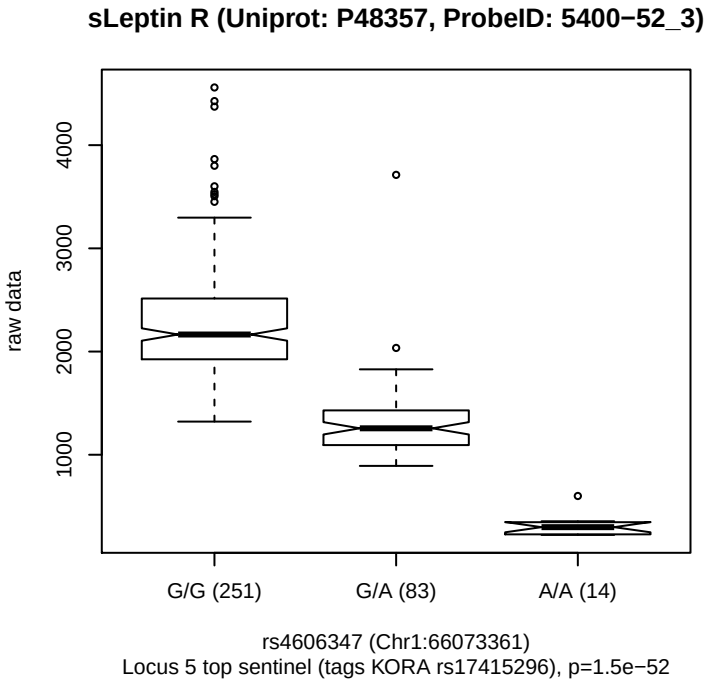

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
Frequency
0
50
100
150
6
8
10
12
log2−scaled data
Hepatocyte growth factor−like protein

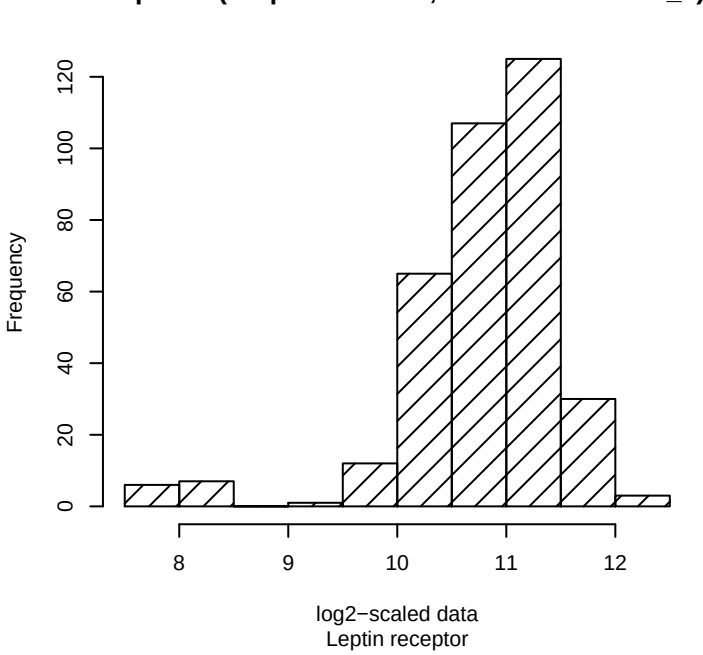

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
log2−scaled data
6
7
8
9
10
11
12
13
A/A (206)
A/G (120)
G/G (27)
rs1131095 (Chr3:49714225)
Locus 4 top sentinel (tags KORA rs9858542), p=1.2e−69, FC=−2.2447

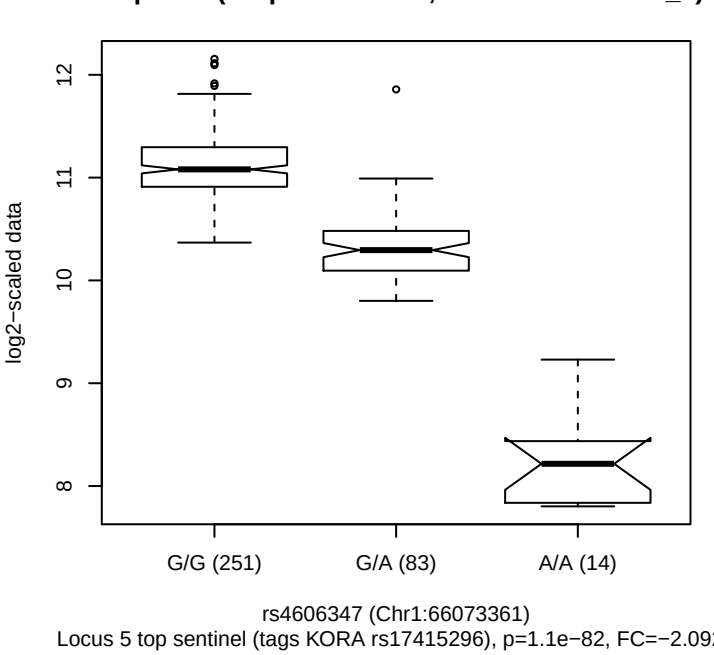

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Hepatocyte growth factor−like protein

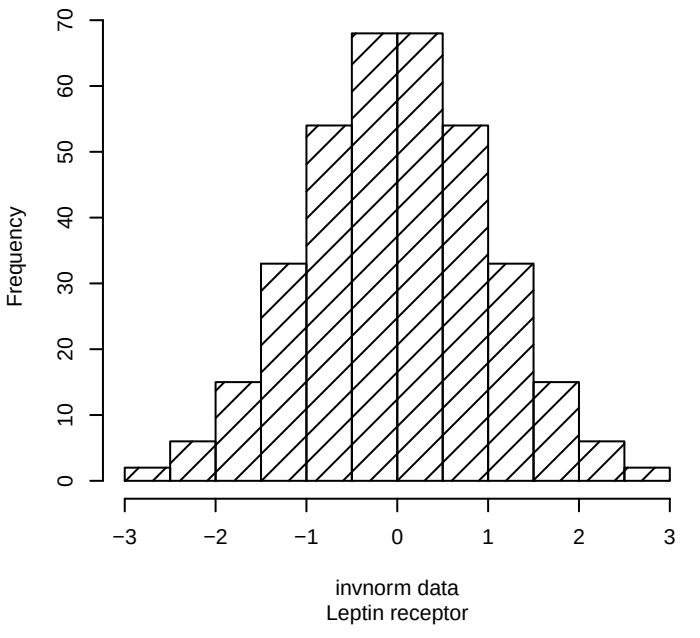

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
invnorm data
−2
−1
0
1
2
A/A (206)
A/G (120)
G/G (27)
rs1131095 (Chr3:49714225)
Locus 4 top sentinel (tags KORA rs9858542), p=1.2e−56

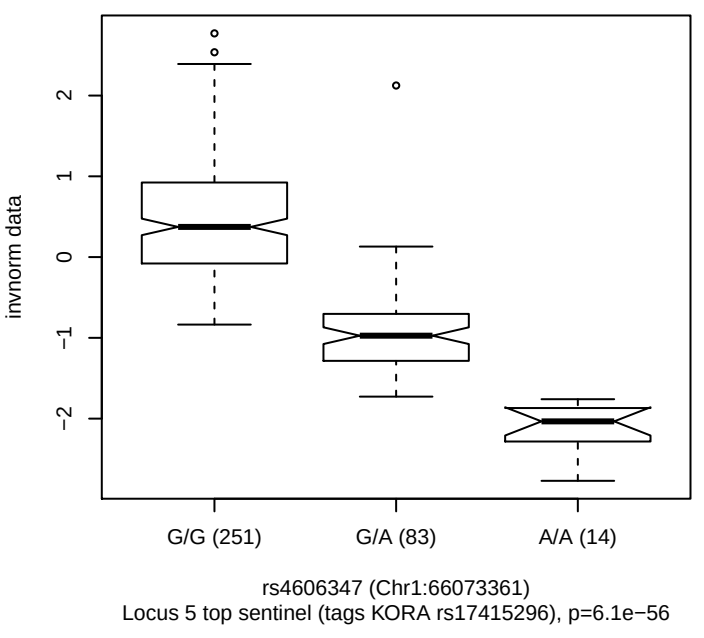

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
Frequency
0
20
40
60
80
100
0
1000
2000
3000
4000
5000
raw data
Leptin receptor

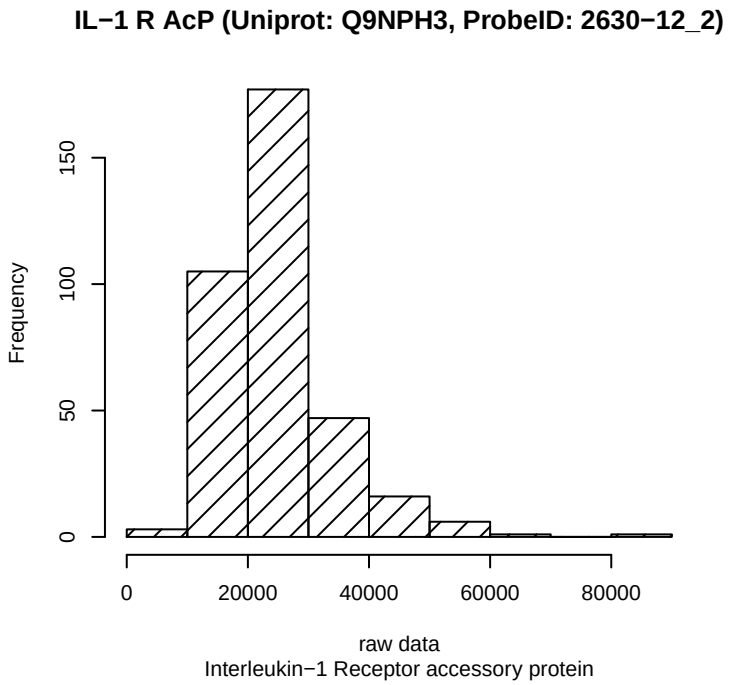

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
raw data
1000
2000
3000
4000
G/G (251)
G/A (83)
A/A (14)
rs4606347 (Chr1:66073361)
Locus 5 top sentinel (tags KORA rs17415296), p=1.5e−52

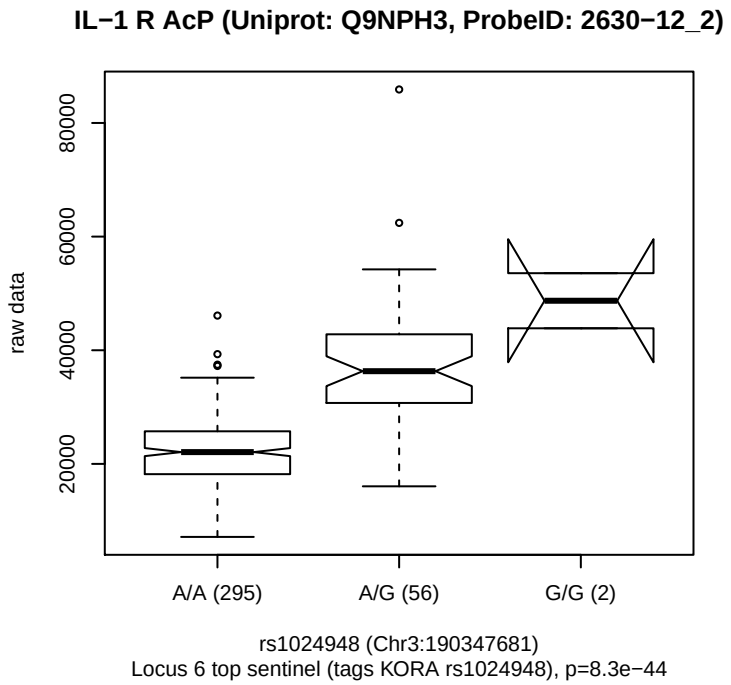

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
Frequency
0
20
40
60
80
100
120
8
9
10
11
12
log2−scaled data
Leptin receptor

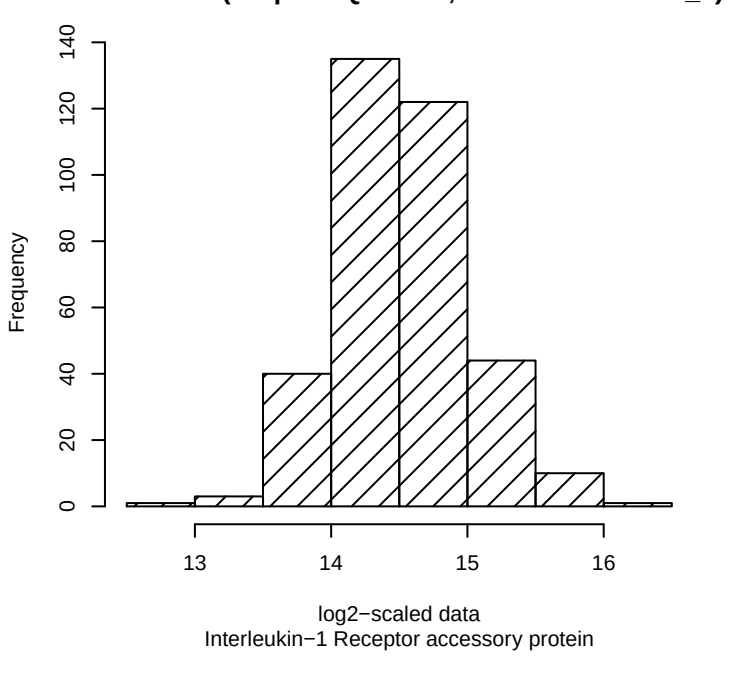

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
log2−scaled data
8
9
10
11
12
G/G (251)
G/A (83)
A/A (14)
rs4606347 (Chr1:66073361)
Locus 5 top sentinel (tags KORA rs17415296), p=1.1e−82, FC=−2.0925

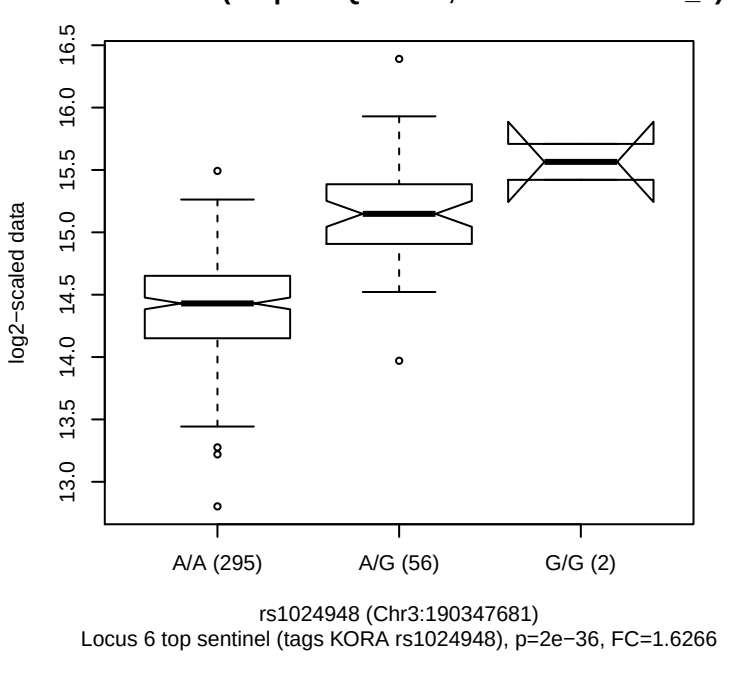

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Leptin receptor

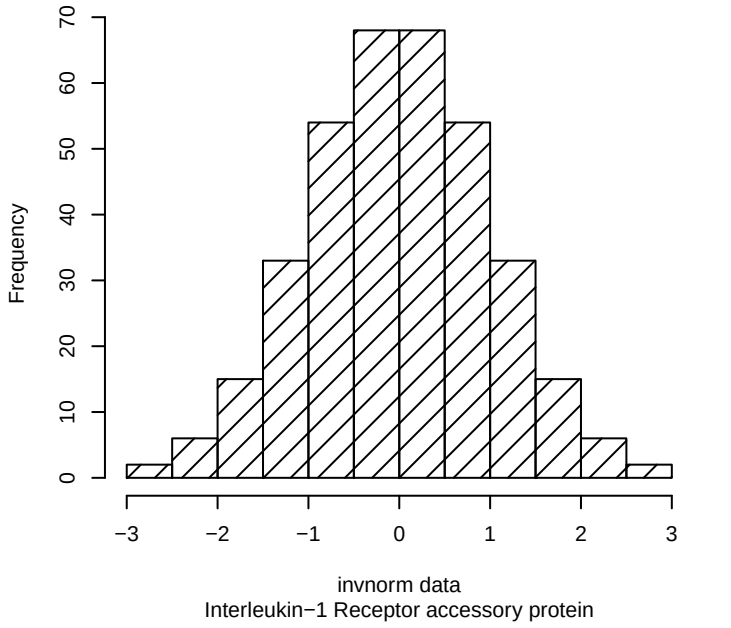

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
invnorm data
−2
−1
0
1
2
G/G (251)
G/A (83)
A/A (14)
rs4606347 (Chr1:66073361)
Locus 5 top sentinel (tags KORA rs17415296), p=6.1e−56

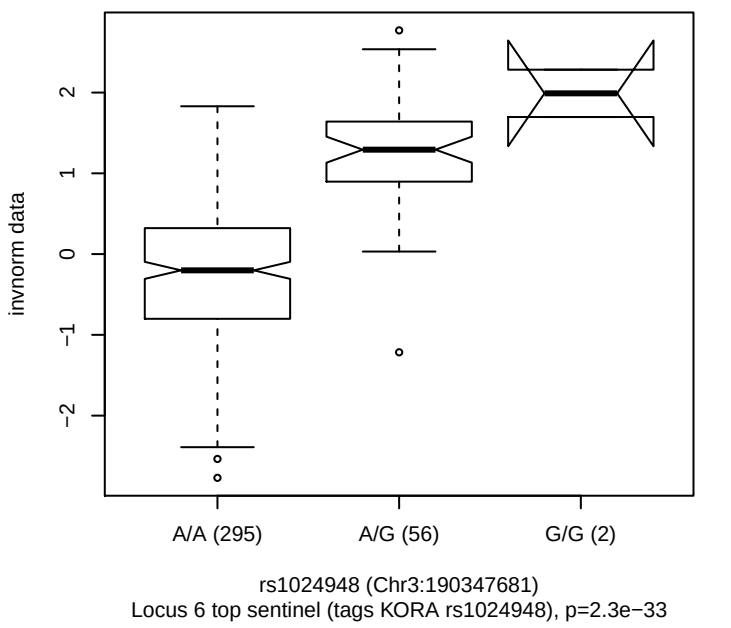

IL−1 R AcP (Uniprot: Q9NPH3, ProbeID: 2630−12_2)
Frequency
0
50
100
150
0
20000
40000
60000
80000
raw data
Interleukin−1 Receptor accessory protein

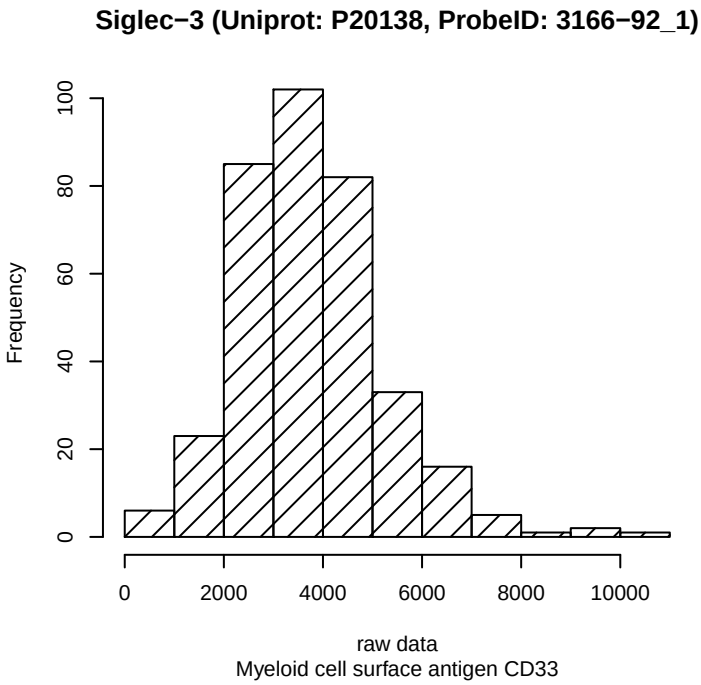

IL−1 R AcP (Uniprot: Q9NPH3, ProbeID: 2630−12_2)
raw data
20000
40000
60000
80000
A/A (295)
A/G (56)
G/G (2)
rs1024948 (Chr3:190347681)
Locus 6 top sentinel (tags KORA rs1024948), p=8.3e−44

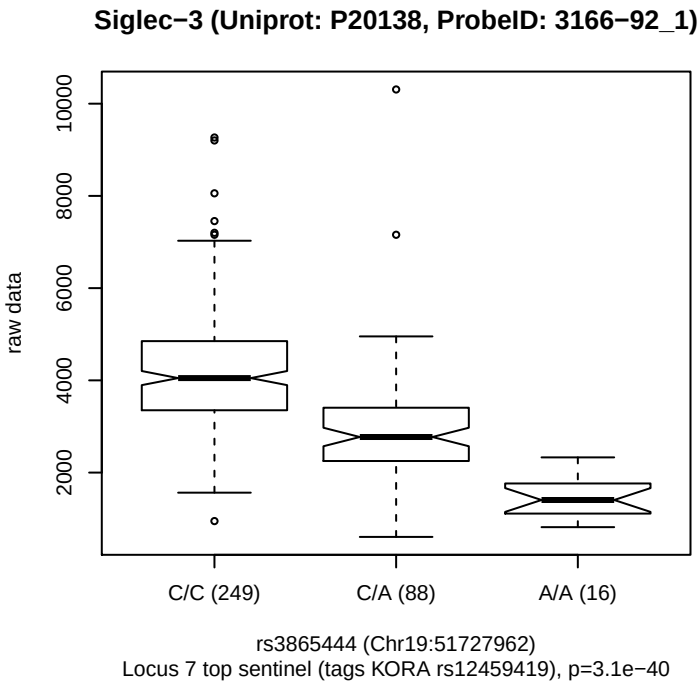

IL−1 R AcP (Uniprot: Q9NPH3, ProbeID: 2630−12_2)
Frequency
0
20
40
60
80
100
120
140
13
14
15
16
log2−scaled data
Interleukin−1 Receptor accessory protein

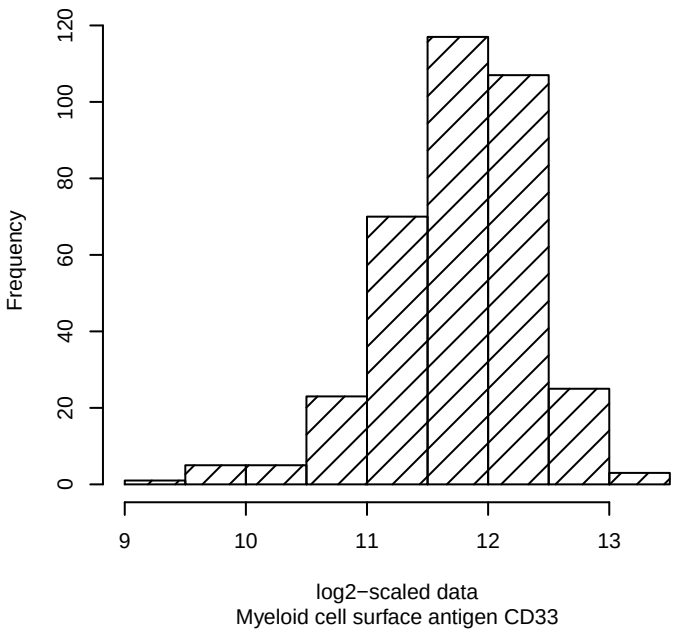

IL−1 R AcP (Uniprot: Q9NPH3, ProbeID: 2630−12_2)
log2−scaled data
13.0
13.5
14.0
14.5
15.0
15.5
16.0
16.5
A/A (295)
A/G (56)
G/G (2)
rs1024948 (Chr3:190347681)
Locus 6 top sentinel (tags KORA rs1024948), p=2e−36, FC=1.6266

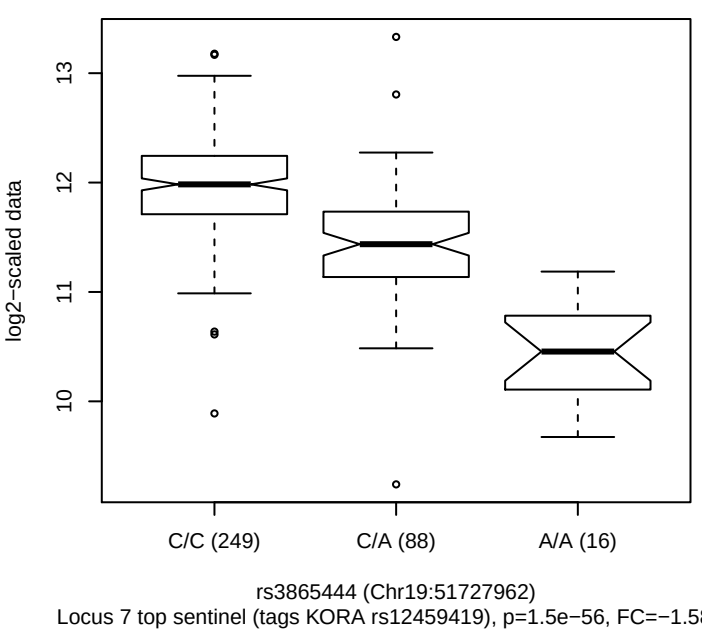

IL−1 R AcP (Uniprot: Q9NPH3, ProbeID: 2630−12_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−1 Receptor accessory protein

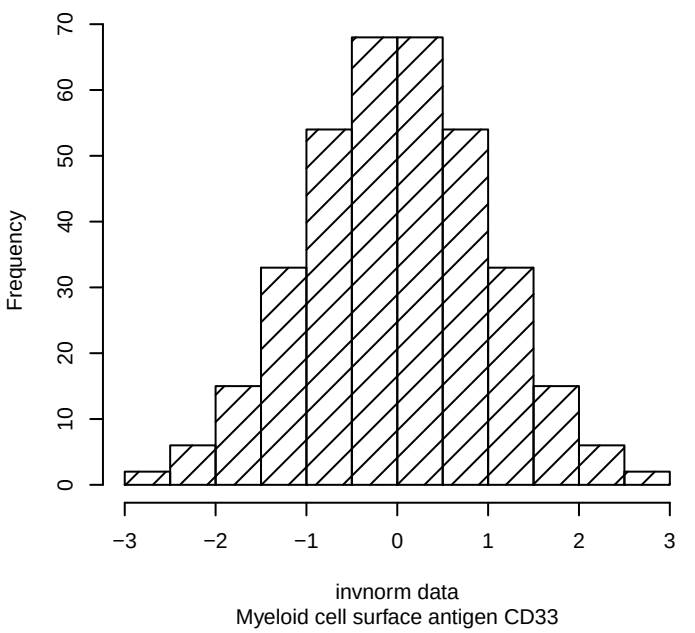

IL−1 R AcP (Uniprot: Q9NPH3, ProbeID: 2630−12_2)
invnorm data
−2
−1
0
1
2
A/A (295)
A/G (56)
G/G (2)
rs1024948 (Chr3:190347681)
Locus 6 top sentinel (tags KORA rs1024948), p=2.3e−33

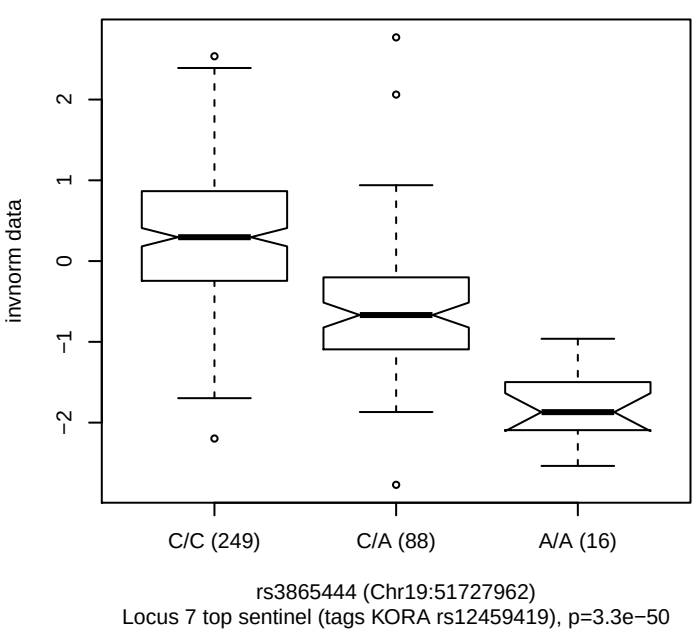

Siglec−3 (Uniprot: P20138, ProbeID: 3166−92_1)
Frequency
0
20
40
60
80
100
0
2000
4000
6000
8000
10000
raw data
Myeloid cell surface antigen CD33

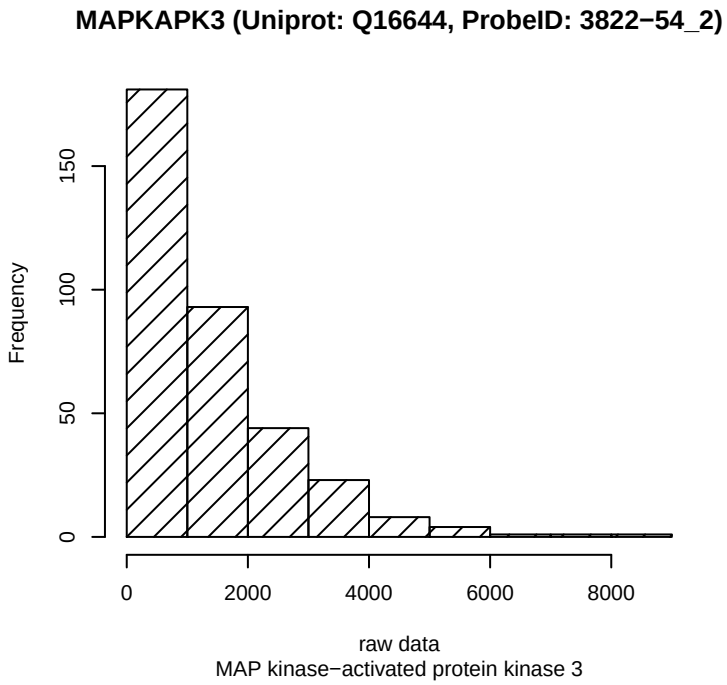

Siglec−3 (Uniprot: P20138, ProbeID: 3166−92_1)
raw data
2000
4000
6000
8000
10000
C/C (249)
C/A (88)
A/A (16)
rs3865444 (Chr19:51727962)
Locus 7 top sentinel (tags KORA rs12459419), p=3.1e−40

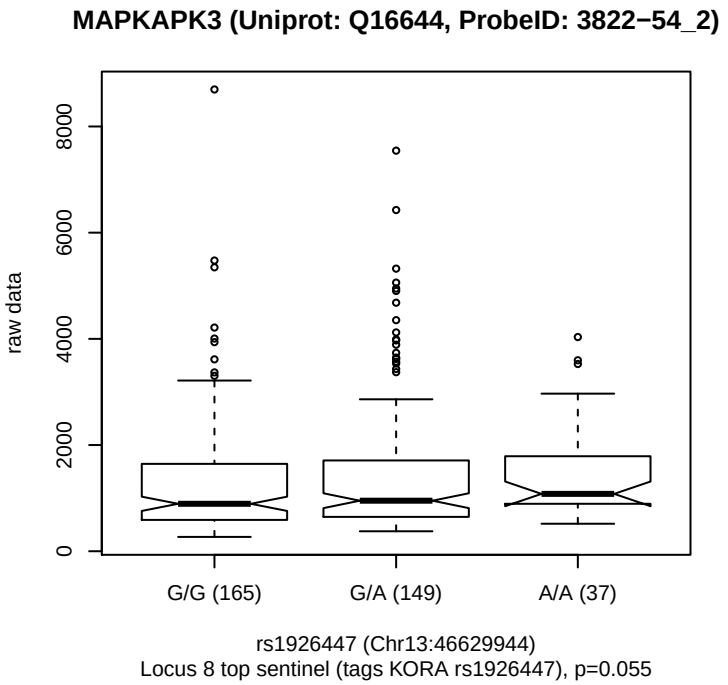

Siglec−3 (Uniprot: P20138, ProbeID: 3166−92_1)
Frequency
0
20
40
60
80
100
120
9
10
11
12
13
log2−scaled data
Myeloid cell surface antigen CD33

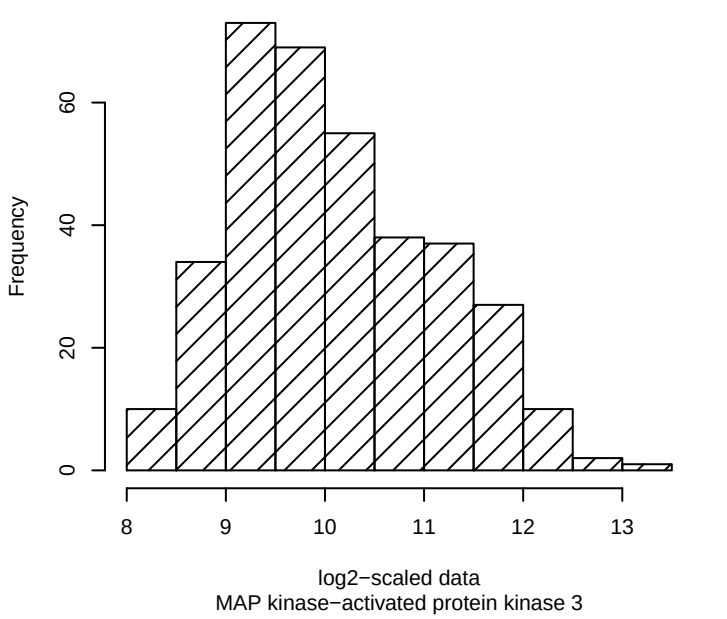

Siglec−3 (Uniprot: P20138, ProbeID: 3166−92_1)
log2−scaled data
10
11
12
13
C/C (249)
C/A (88)
A/A (16)
rs3865444 (Chr19:51727962)
Locus 7 top sentinel (tags KORA rs12459419), p=1.5e−56, FC=−1.5855

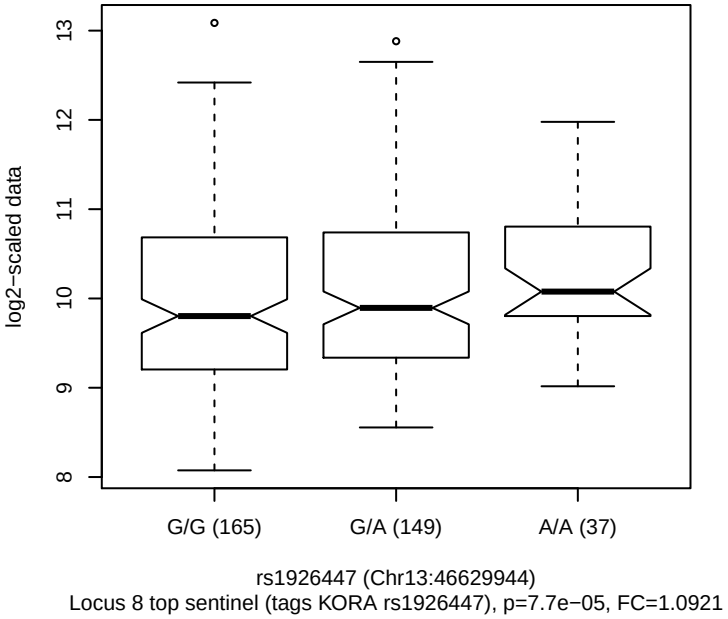

Siglec−3 (Uniprot: P20138, ProbeID: 3166−92_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Myeloid cell surface antigen CD33

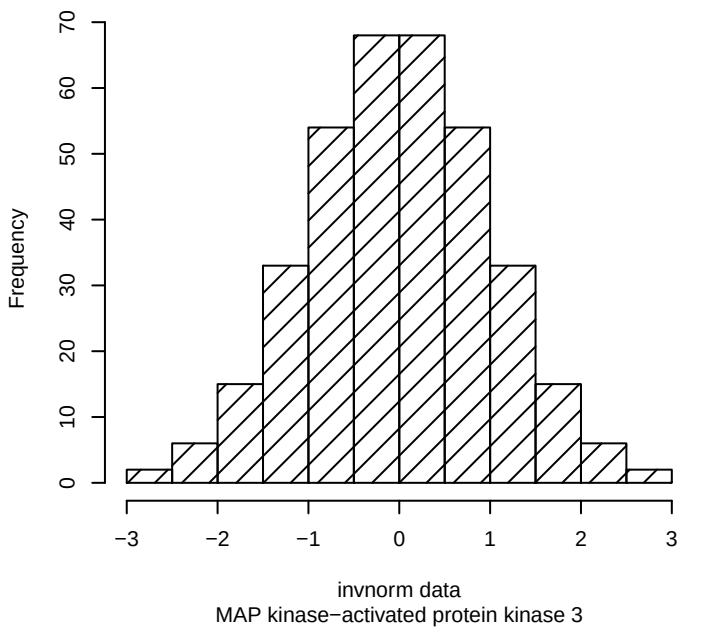

Siglec−3 (Uniprot: P20138, ProbeID: 3166−92_1)
invnorm data
−2
−1
0
1
2
C/C (249)
C/A (88)
A/A (16)
rs3865444 (Chr19:51727962)
Locus 7 top sentinel (tags KORA rs12459419), p=3.3e−50

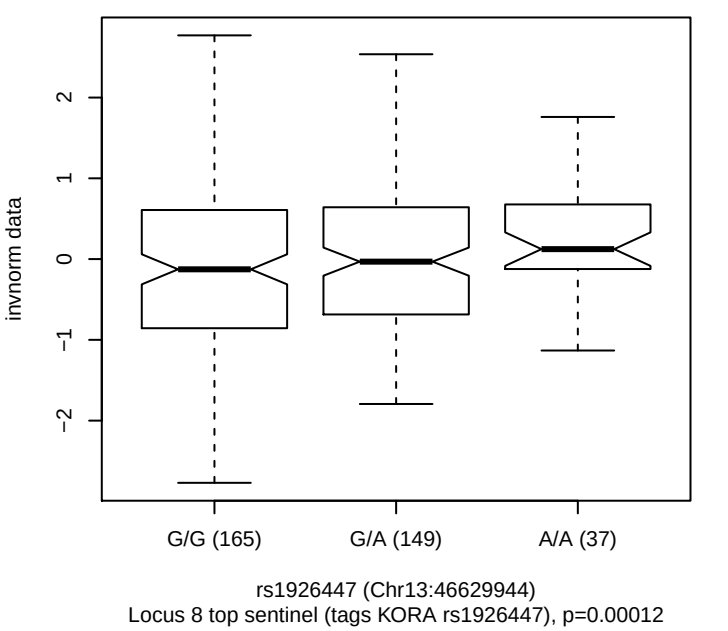

MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)
Frequency
0
50
100
150
0
2000
4000
6000
8000
raw data
MAP kinase−activated protein kinase 3

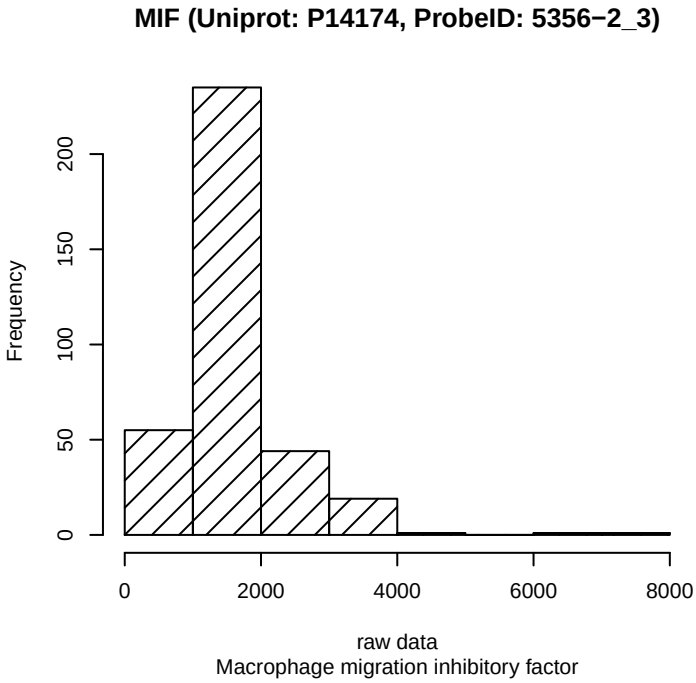

MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)
raw data
0
2000
4000
6000
8000
G/G (165)
G/A (149)
A/A (37)
rs1926447 (Chr13:46629944)
Locus 8 top sentinel (tags KORA rs1926447), p=0.055

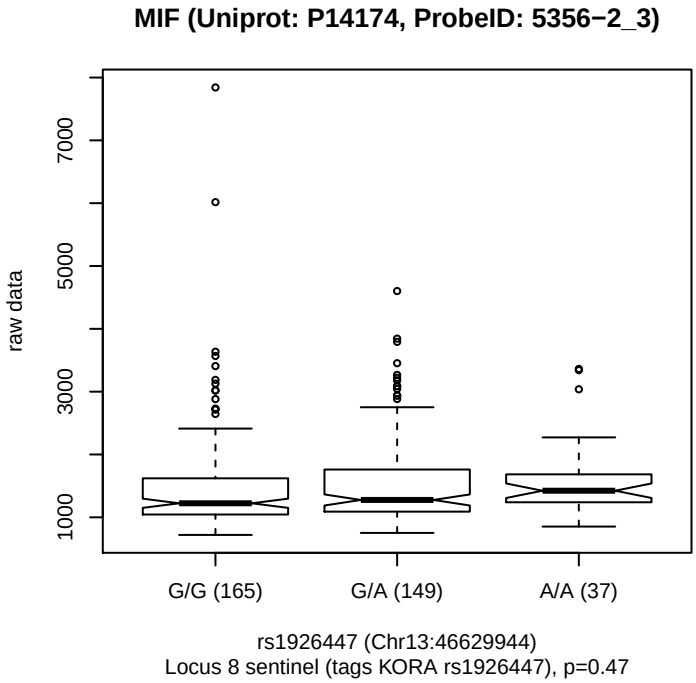

MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)
Frequency
0
20
40
60
8
9
10
11
12
13
log2−scaled data
MAP kinase−activated protein kinase 3

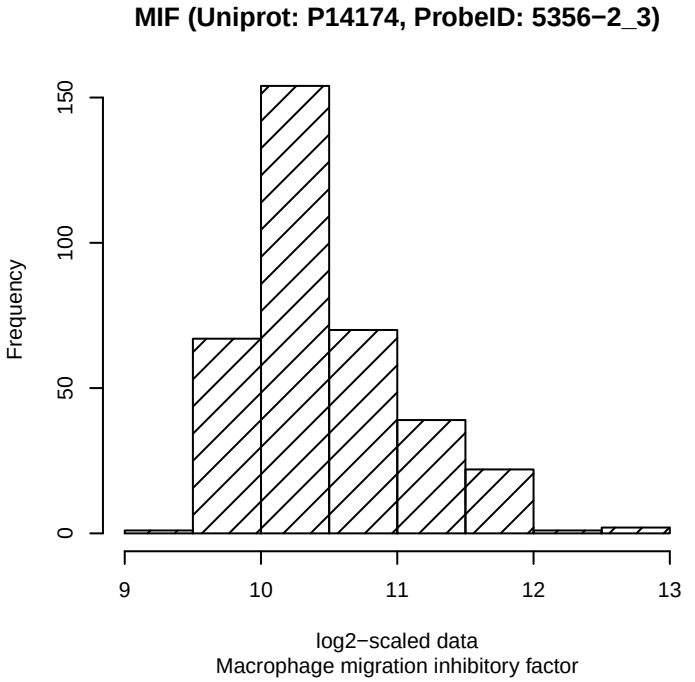

MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)
log2−scaled data
8
9
10
11
12
13
G/G (165)
G/A (149)
A/A (37)
rs1926447 (Chr13:46629944)
Locus 8 top sentinel (tags KORA rs1926447), p=7.7e−05, FC=1.0921

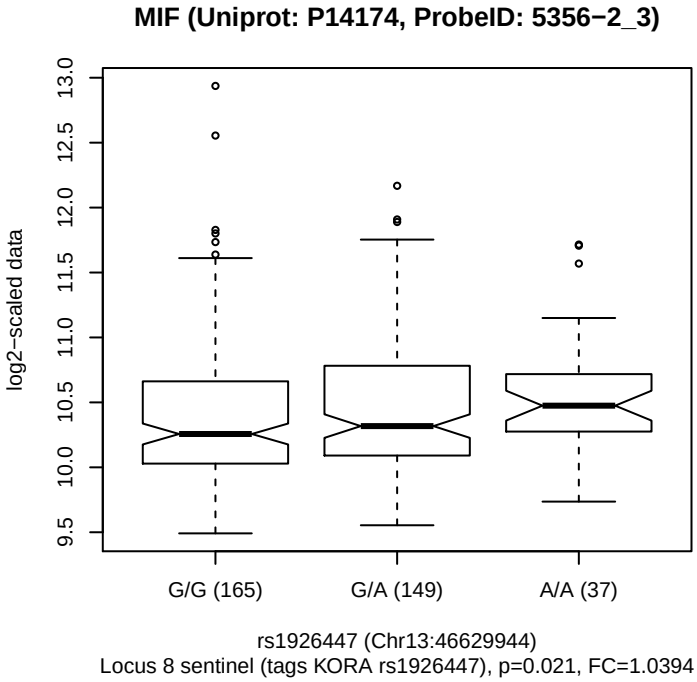

MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
MAP kinase−activated protein kinase 3

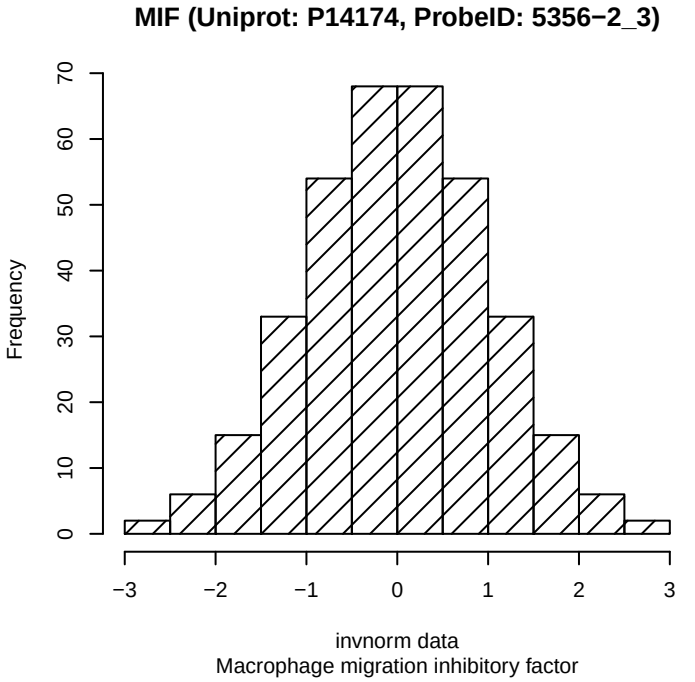

MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)
invnorm data
−2
−1
0
1
2
G/G (165)
G/A (149)
A/A (37)
rs1926447 (Chr13:46629944)
Locus 8 top sentinel (tags KORA rs1926447), p=0.00012

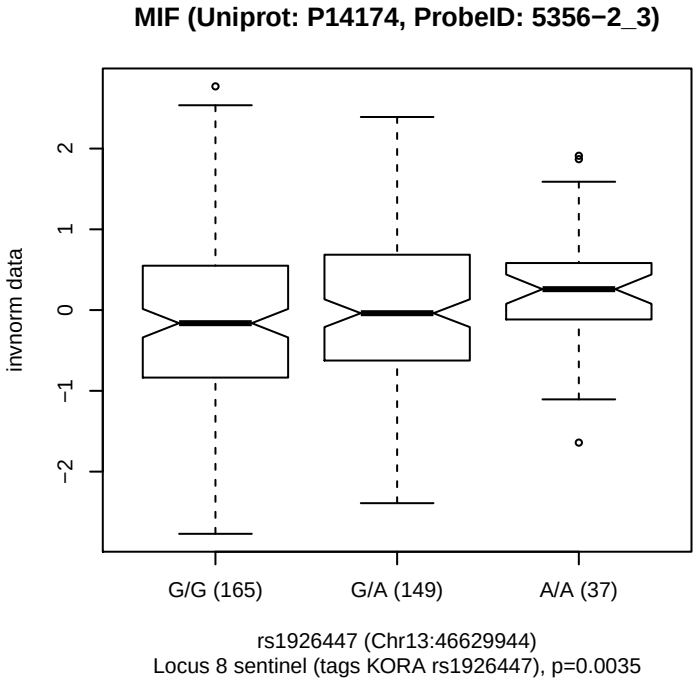

MIF (Uniprot: P14174, ProbeID: 5356−2_3)
Frequency
0
50
100
150
200
0
2000
4000
6000
8000
raw data
Macrophage migration inhibitory factor

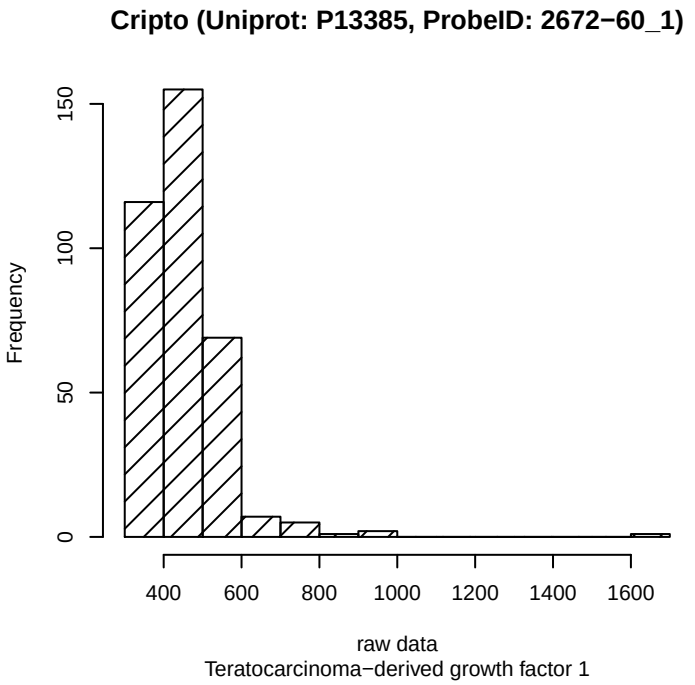

MIF (Uniprot: P14174, ProbeID: 5356−2_3)
raw data
1000
3000
5000
7000
G/G (165)
G/A (149)
A/A (37)
rs1926447 (Chr13:46629944)
Locus 8 sentinel (tags KORA rs1926447), p=0.47

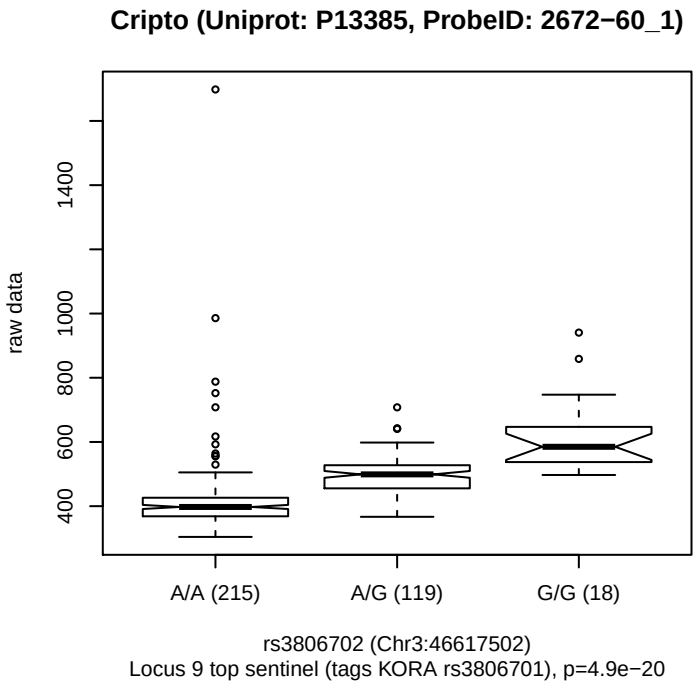

MIF (Uniprot: P14174, ProbeID: 5356−2_3)
Frequency
0
50
100
150
9
10
11
12
13
log2−scaled data
Macrophage migration inhibitory factor

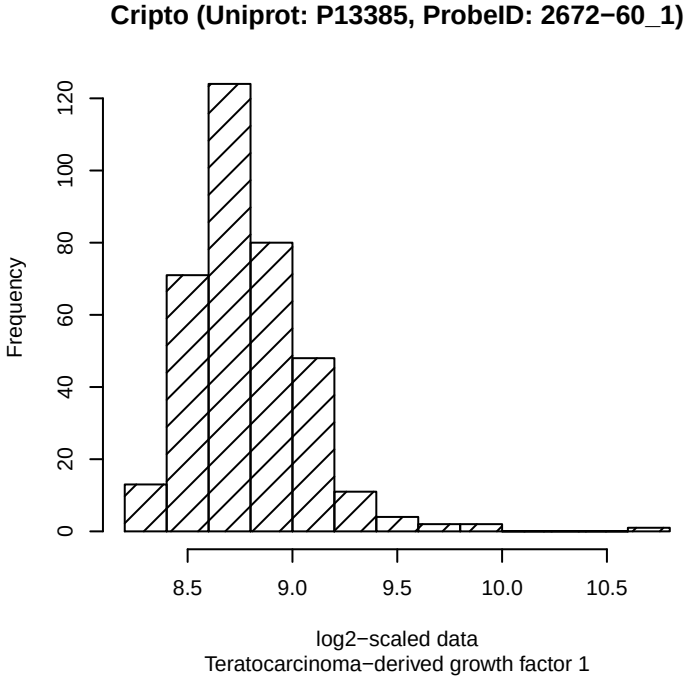

MIF (Uniprot: P14174, ProbeID: 5356−2_3)
log2−scaled data
9.5
10.0
10.5
11.0
11.5
12.0
12.5
13.0
G/G (165)
G/A (149)
A/A (37)
rs1926447 (Chr13:46629944)
Locus 8 sentinel (tags KORA rs1926447), p=0.021, FC=1.0394

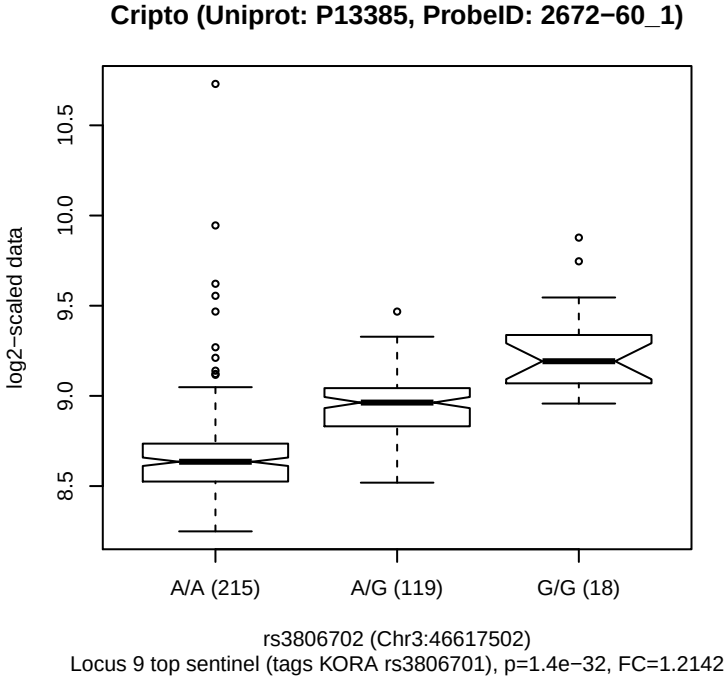

MIF (Uniprot: P14174, ProbeID: 5356−2_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Macrophage migration inhibitory factor

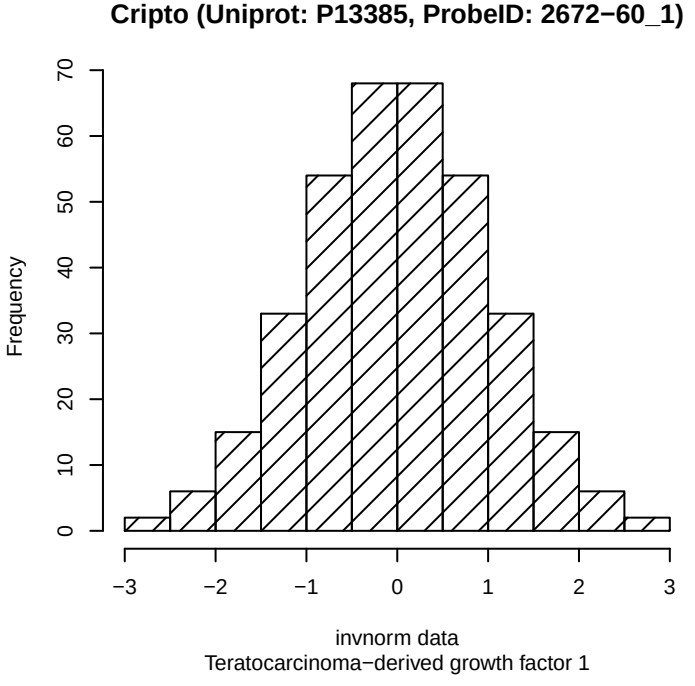

MIF (Uniprot: P14174, ProbeID: 5356−2_3)
invnorm data
−2
−1
0
1
2
G/G (165)
G/A (149)
A/A (37)
rs1926447 (Chr13:46629944)
Locus 8 sentinel (tags KORA rs1926447), p=0.0035

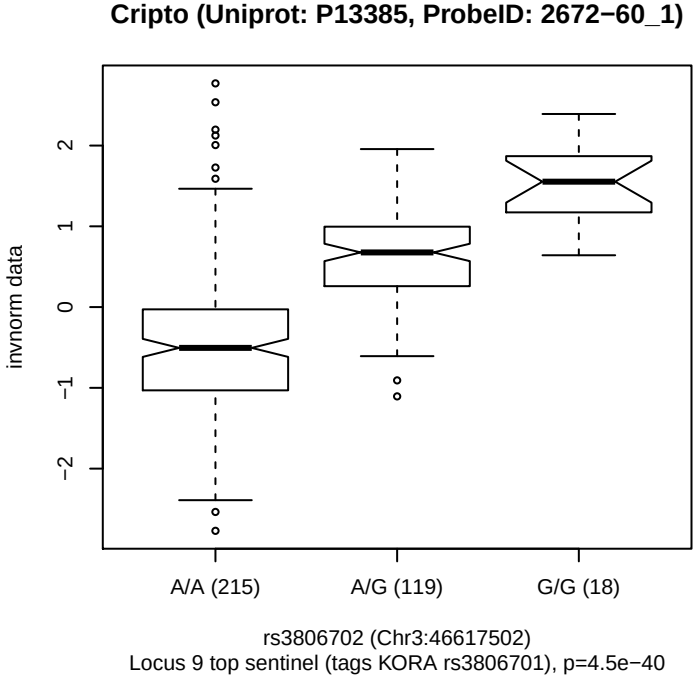

Cripto (Uniprot: P13385, ProbeID: 2672−60_1)
Frequency
0
50
100
150
400
600
800
1000
1200
1400
1600
raw data
Teratocarcinoma−derived growth factor 1

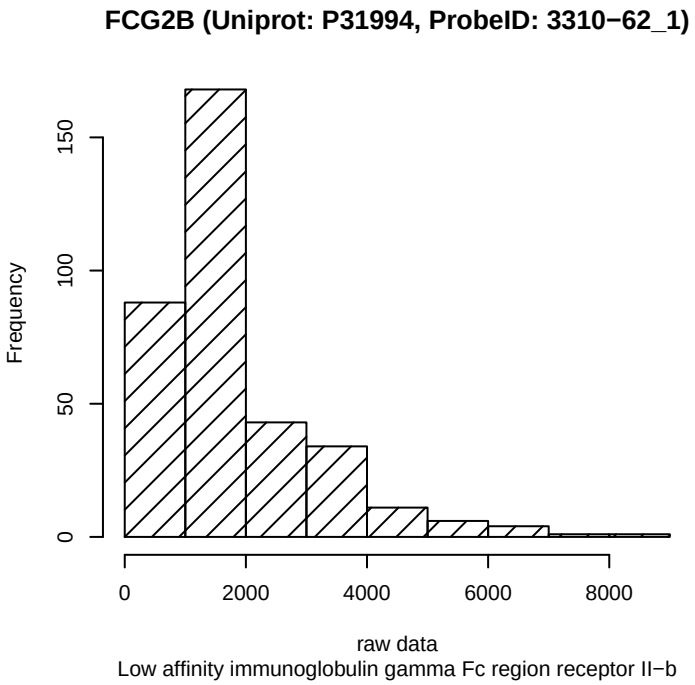

Cripto (Uniprot: P13385, ProbeID: 2672−60_1)
raw data
400
600
800
1000
1400
A/A (215)
A/G (119)
G/G (18)
rs3806702 (Chr3:46617502)
Locus 9 top sentinel (tags KORA rs3806701), p=4.9e−20

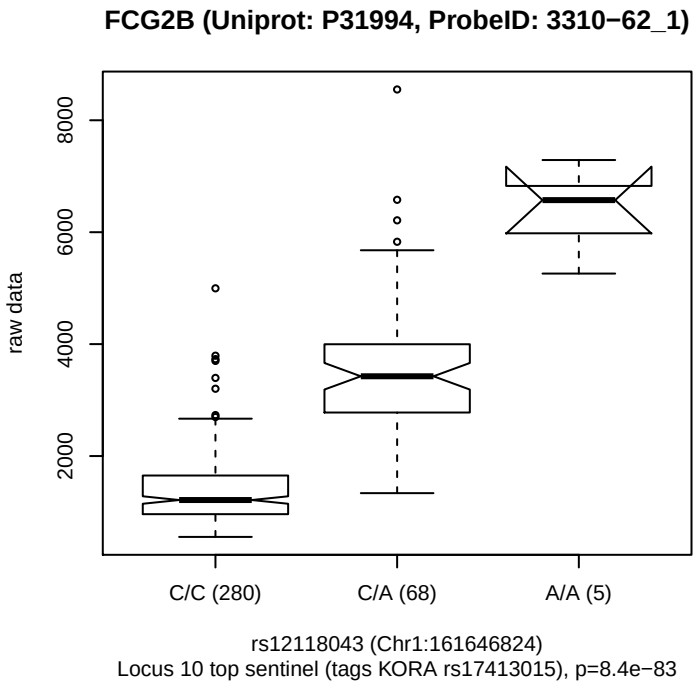

Cripto (Uniprot: P13385, ProbeID: 2672−60_1)
Frequency
0
20
40
60
80
100
120
8.5
9.0
9.5
10.0
10.5
log2−scaled data
Teratocarcinoma−derived growth factor 1

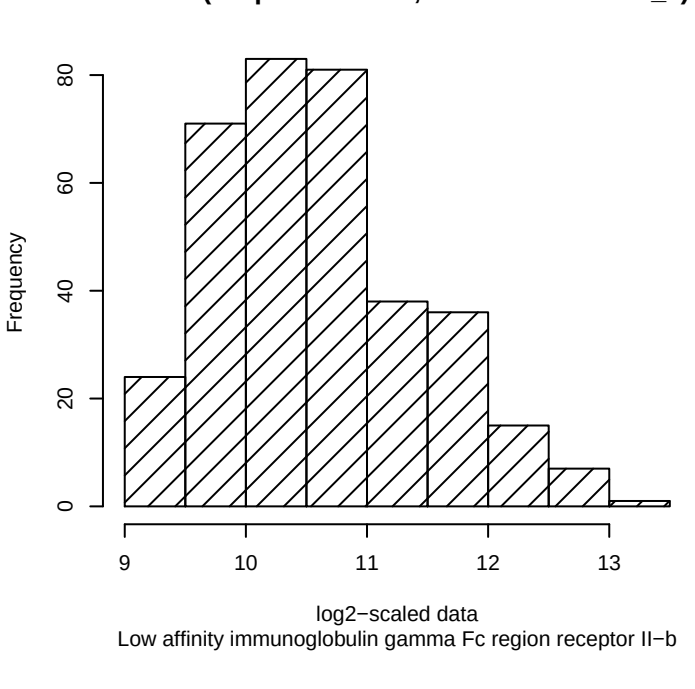

Cripto (Uniprot: P13385, ProbeID: 2672−60_1)
log2−scaled data
8.5
9.0
9.5
10.0
10.5
A/A (215)
A/G (119)
G/G (18)
rs3806702 (Chr3:46617502)
Locus 9 top sentinel (tags KORA rs3806701), p=1.4e−32, FC=1.2142

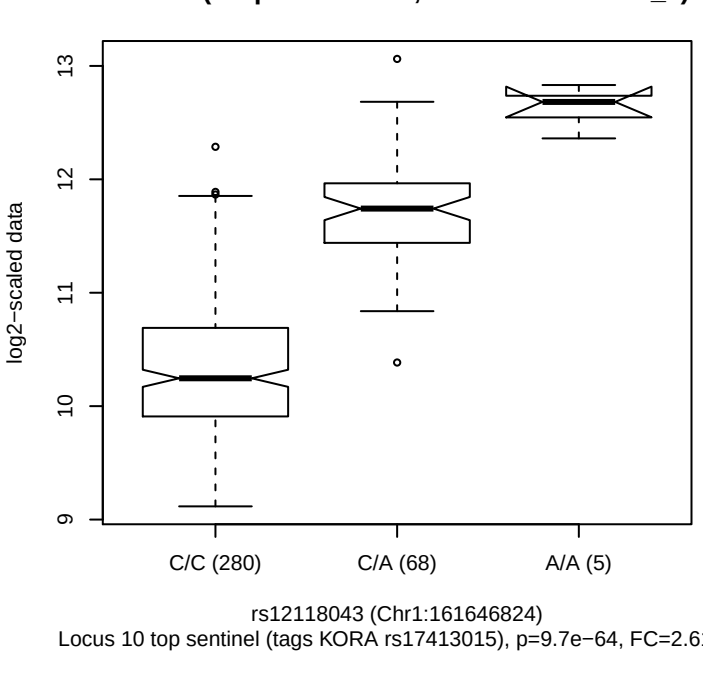

Cripto (Uniprot: P13385, ProbeID: 2672−60_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Teratocarcinoma−derived growth factor 1

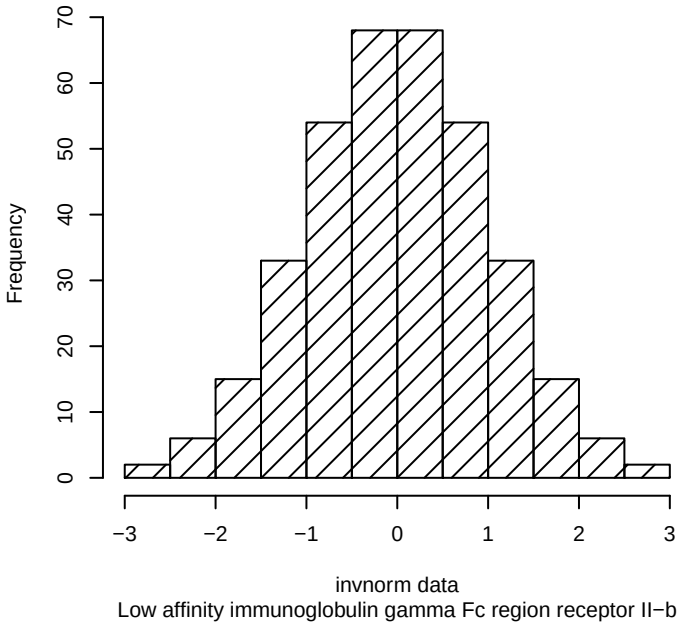

Cripto (Uniprot: P13385, ProbeID: 2672−60_1)
invnorm data
−2
−1
0
1
2
A/A (215)
A/G (119)
G/G (18)
rs3806702 (Chr3:46617502)
Locus 9 top sentinel (tags KORA rs3806701), p=4.5e−40

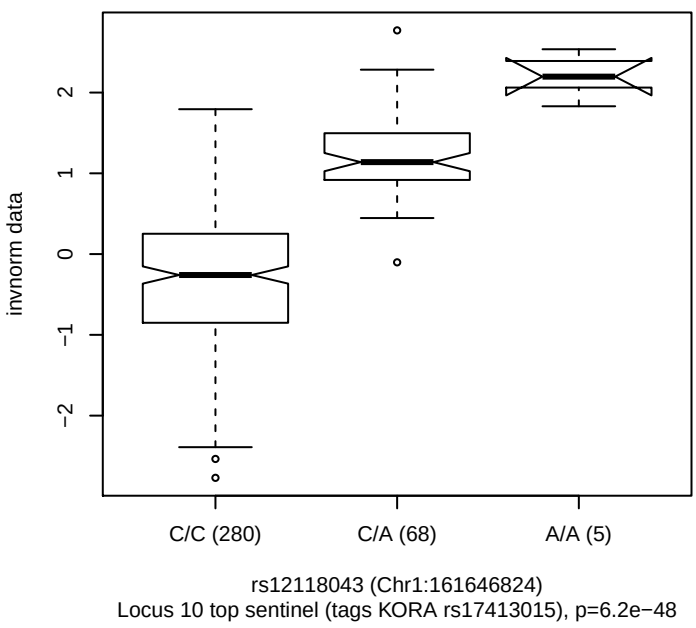

FCG2B (Uniprot: P31994, ProbeID: 3310−62_1)
Frequency
0
50
100
150
0
2000
4000
6000
8000
raw data
Low affinity immunoglobulin gamma Fc region receptor II−b

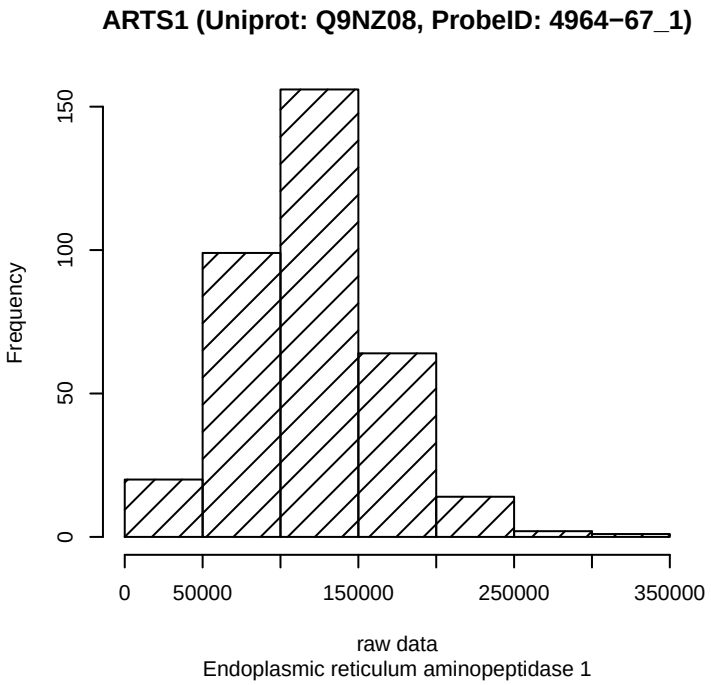

FCG2B (Uniprot: P31994, ProbeID: 3310−62_1)
raw data
2000
4000
6000
8000
C/C (280)
C/A (68)
A/A (5)
rs12118043 (Chr1:161646824)
Locus 10 top sentinel (tags KORA rs17413015), p=8.4e−83

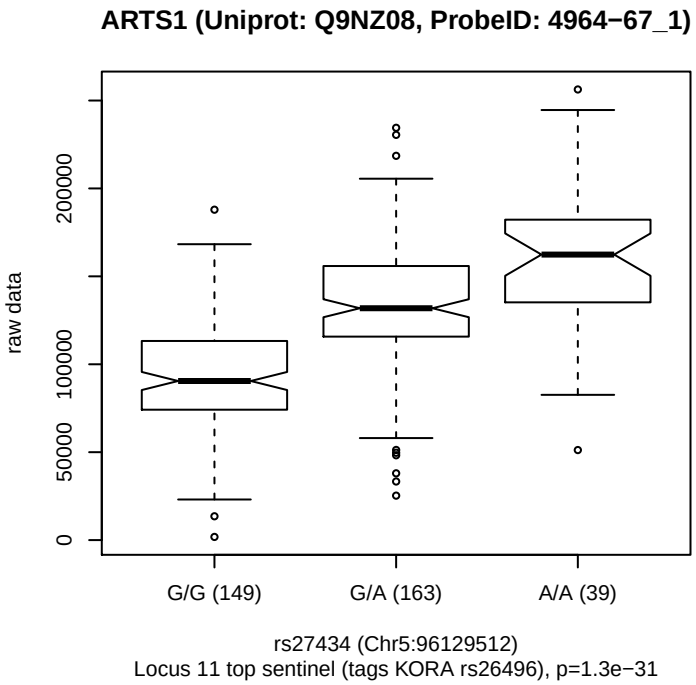

FCG2B (Uniprot: P31994, ProbeID: 3310−62_1)
Frequency
0
20
40
60
80
9
10
11
12
13
log2−scaled data
Low affinity immunoglobulin gamma Fc region receptor II−b

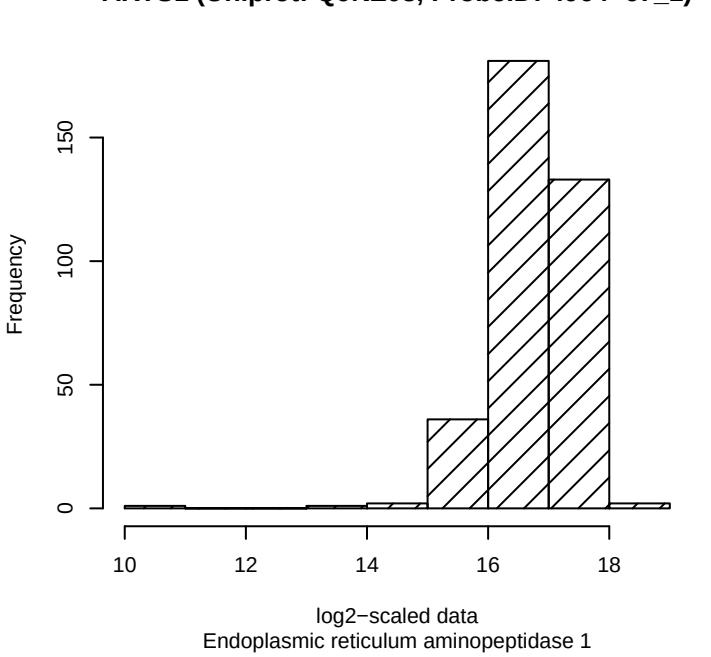

FCG2B (Uniprot: P31994, ProbeID: 3310−62_1)
log2−scaled data
9
10
11
12
13
C/C (280)
C/A (68)
A/A (5)
rs12118043 (Chr1:161646824)
Locus 10 top sentinel (tags KORA rs17413015), p=9.7e−64, FC=2.6169

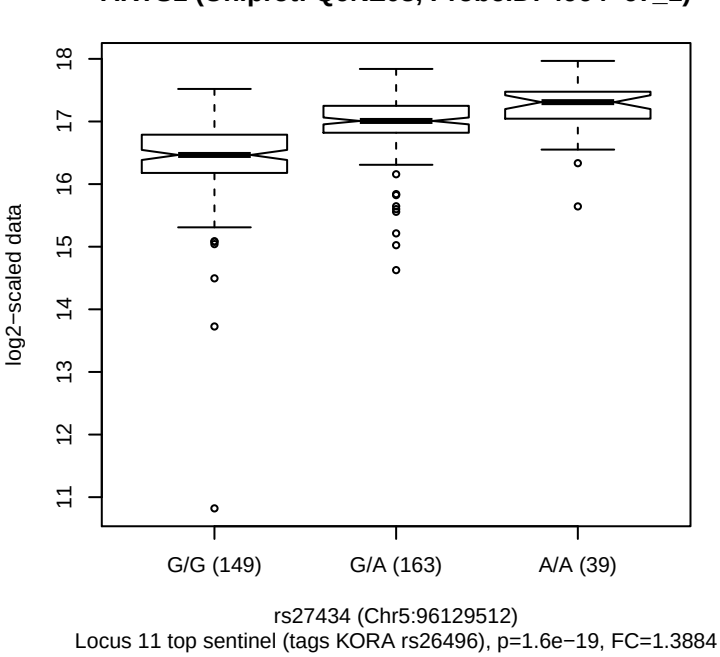

FCG2B (Uniprot: P31994, ProbeID: 3310−62_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Low affinity immunoglobulin gamma Fc region receptor II−b

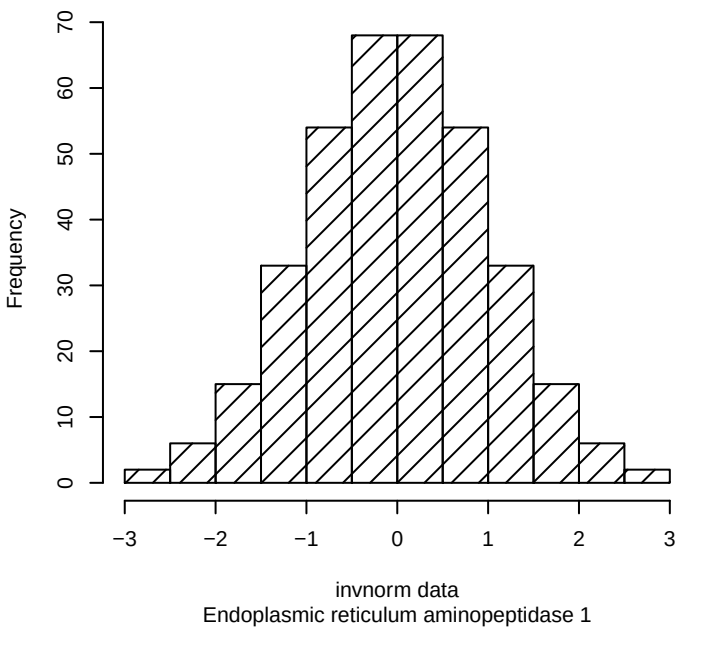

FCG2B (Uniprot: P31994, ProbeID: 3310−62_1)
invnorm data
−2
−1
0
1
2
C/C (280)
C/A (68)
A/A (5)
rs12118043 (Chr1:161646824)
Locus 10 top sentinel (tags KORA rs17413015), p=6.2e−48

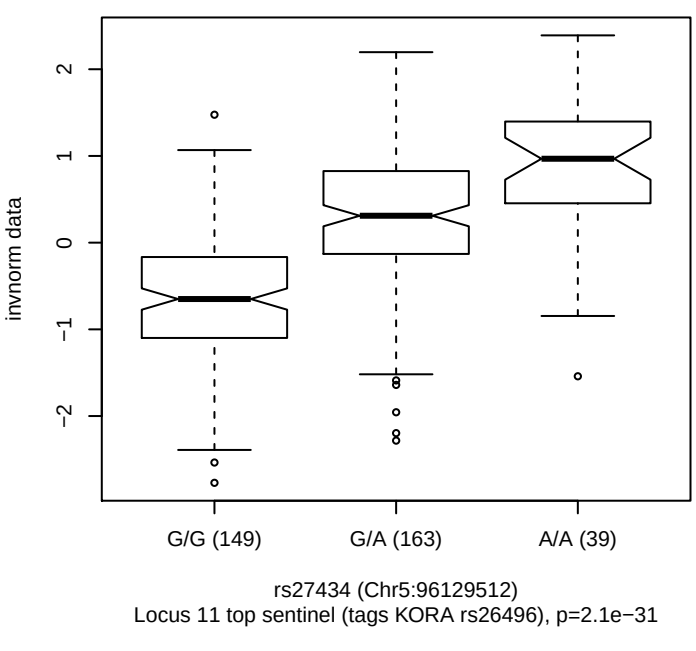

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
Frequency
0
50
100
150
0
50000
150000
250000
350000
raw data
Endoplasmic reticulum aminopeptidase 1

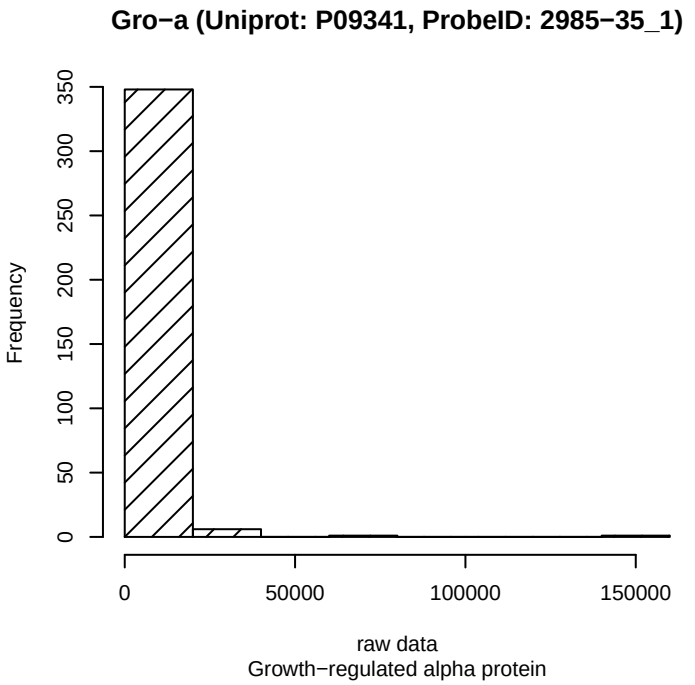

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
raw data
0
50000
100000
200000
G/G (149)
G/A (163)
A/A (39)
rs27434 (Chr5:96129512)
Locus 11 top sentinel (tags KORA rs26496), p=1.3e−31

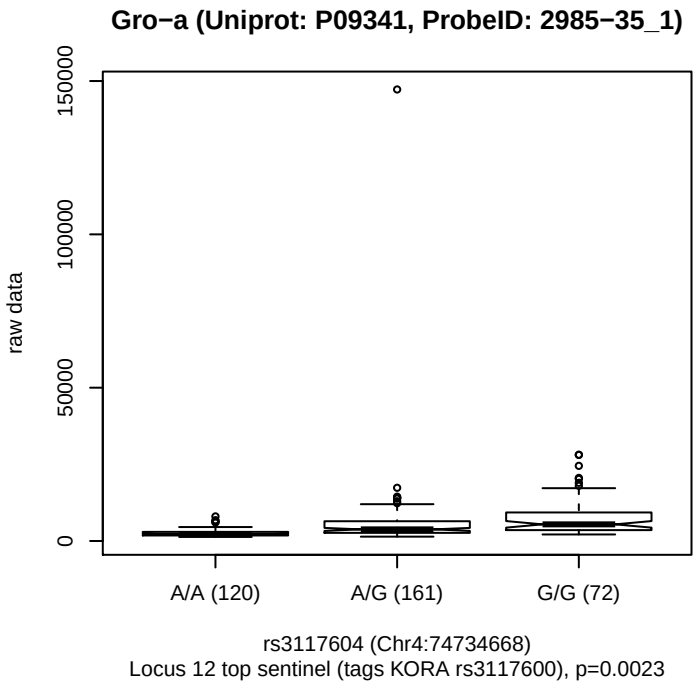

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
Frequency
0
50
100
150
10
12
14
16
18
log2−scaled data
Endoplasmic reticulum aminopeptidase 1

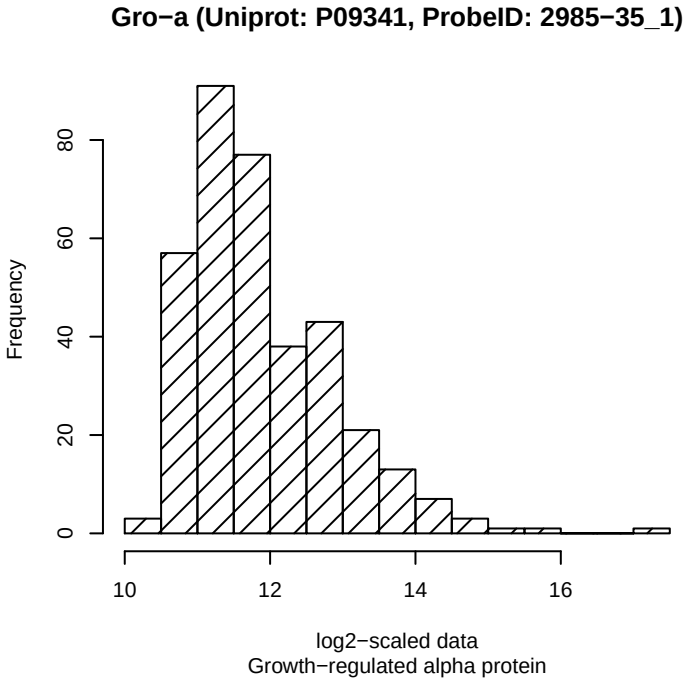

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
log2−scaled data
11
12
13
14
15
16
17
18
G/G (149)
G/A (163)
A/A (39)
rs27434 (Chr5:96129512)
Locus 11 top sentinel (tags KORA rs26496), p=1.6e−19, FC=1.3884

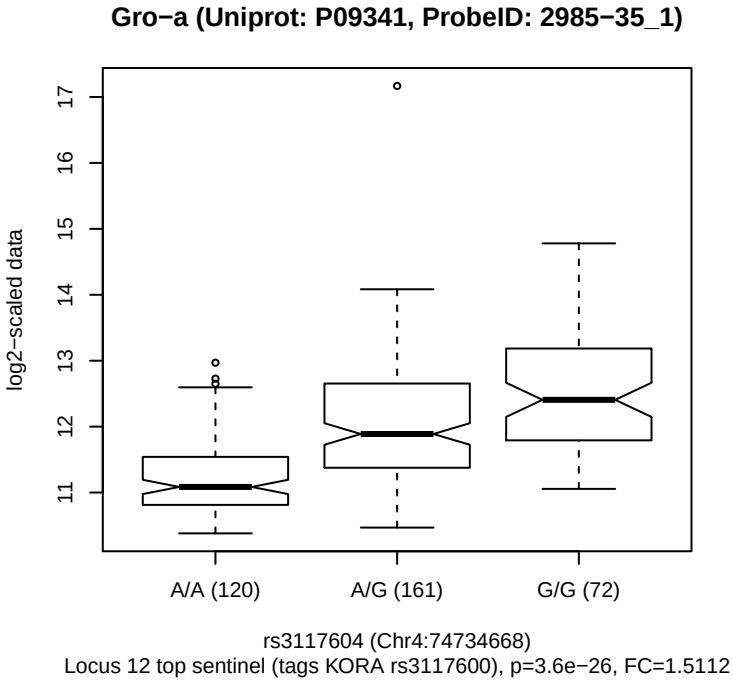

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Endoplasmic reticulum aminopeptidase 1

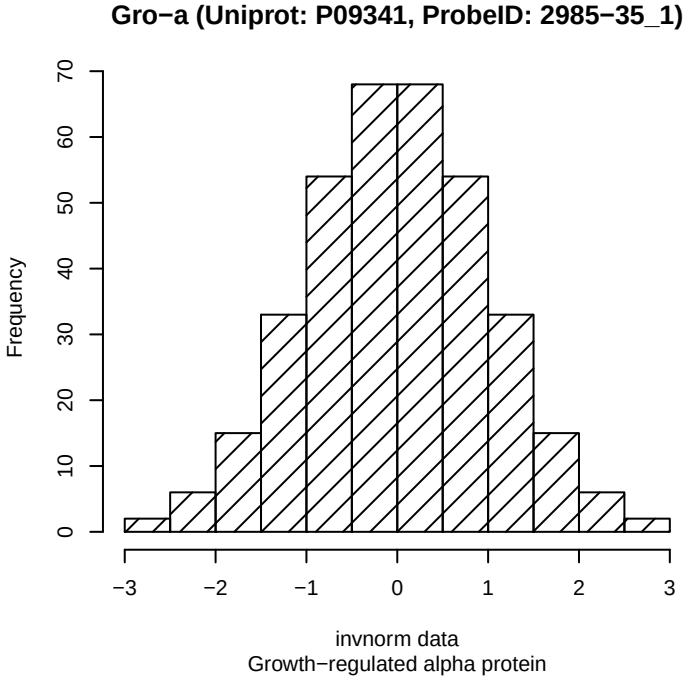

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
invnorm data
−2
−1
0
1
2
G/G (149)
G/A (163)
A/A (39)
rs27434 (Chr5:96129512)
Locus 11 top sentinel (tags KORA rs26496), p=2.1e−31

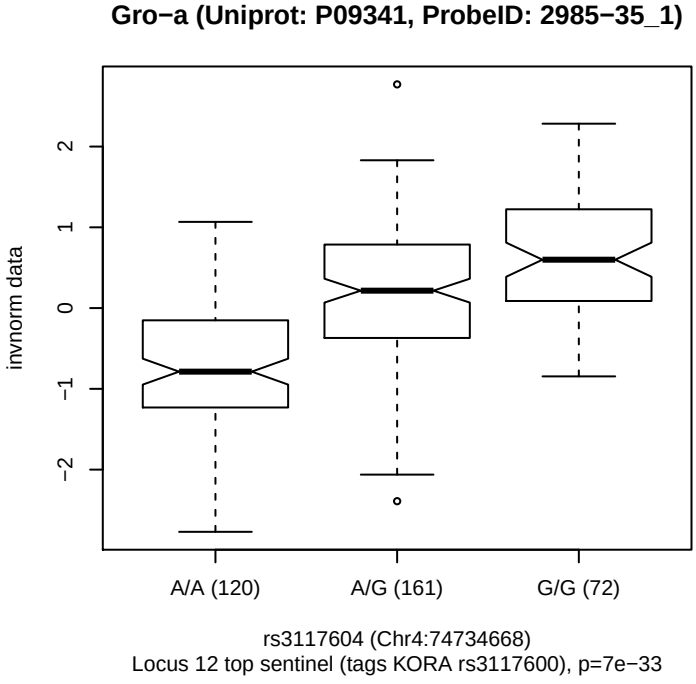

Gro−a (Uniprot: P09341, ProbeID: 2985−35_1)
Frequency
0
50
100
150
200
250
300
350
0
50000
100000
150000
raw data
Growth−regulated alpha protein

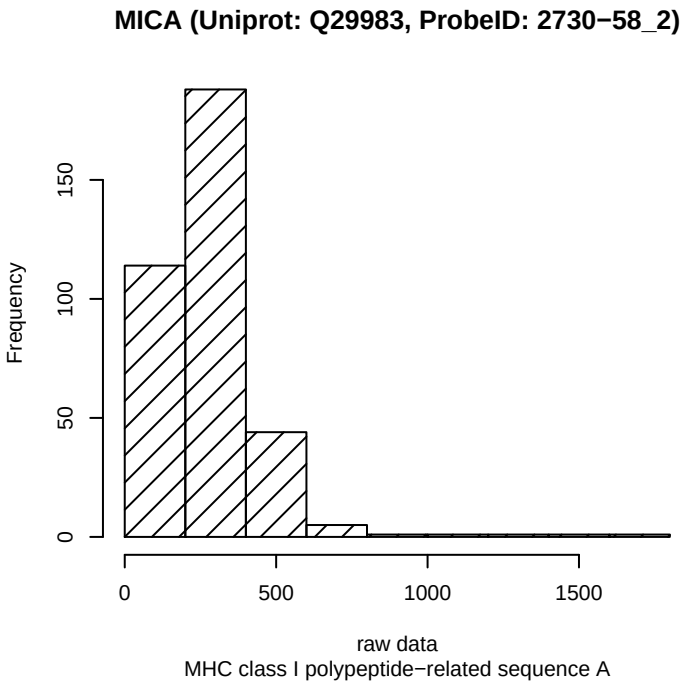

Gro−a (Uniprot: P09341, ProbeID: 2985−35_1)
raw data
0
50000
100000
150000
A/A (120)
A/G (161)
G/G (72)
rs3117604 (Chr4:74734668)
Locus 12 top sentinel (tags KORA rs3117600), p=0.0023

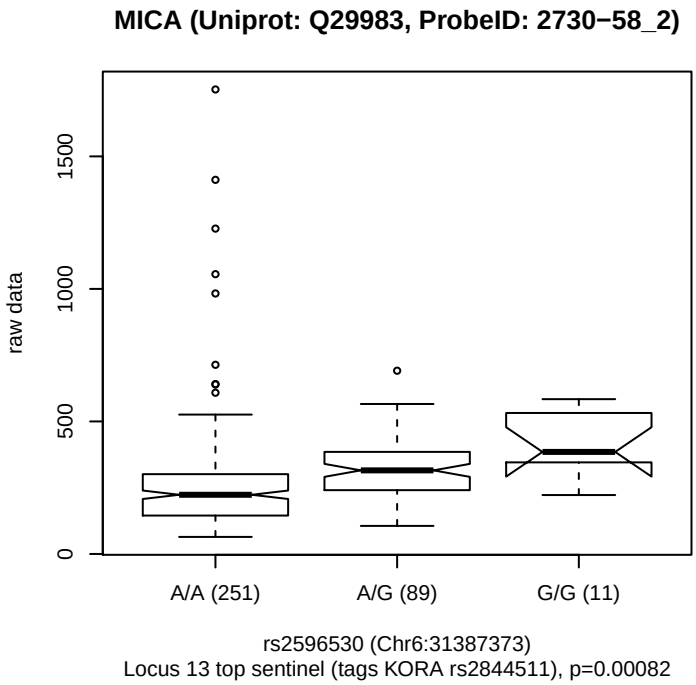

Gro−a (Uniprot: P09341, ProbeID: 2985−35_1)
Frequency
0
20
40
60
80
10
12
14
16
log2−scaled data
Growth−regulated alpha protein

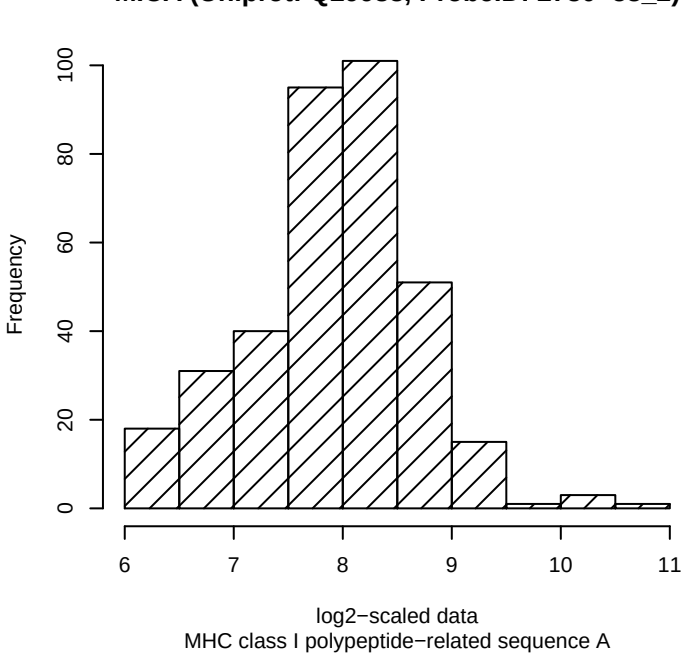

Gro−a (Uniprot: P09341, ProbeID: 2985−35_1)
log2−scaled data
11
12
13
14
15
16
17
A/A (120)
A/G (161)
G/G (72)
rs3117604 (Chr4:74734668)
Locus 12 top sentinel (tags KORA rs3117600), p=3.6e−26, FC=1.5112

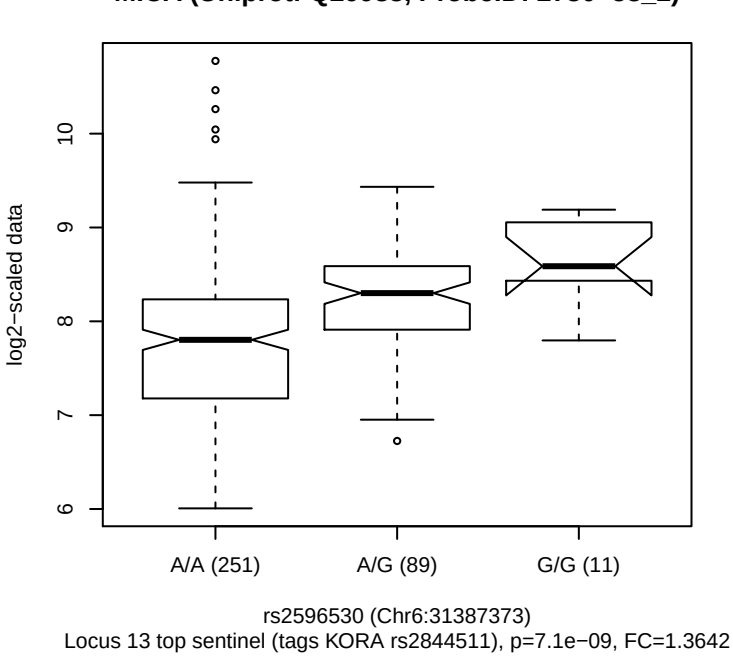

Gro−a (Uniprot: P09341, ProbeID: 2985−35_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Growth−regulated alpha protein

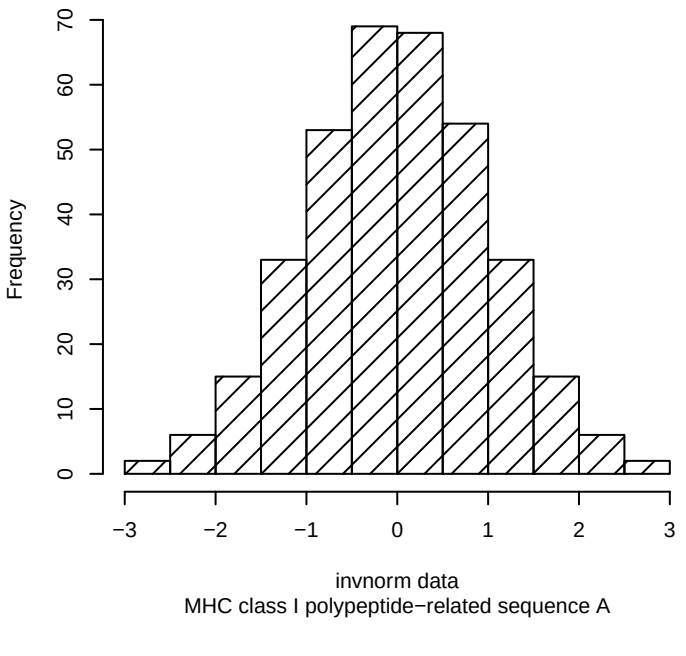

Gro−a (Uniprot: P09341, ProbeID: 2985−35_1)
invnorm data
−2
−1
0
1
2
A/A (120)
A/G (161)
G/G (72)
rs3117604 (Chr4:74734668)
Locus 12 top sentinel (tags KORA rs3117600), p=7e−33

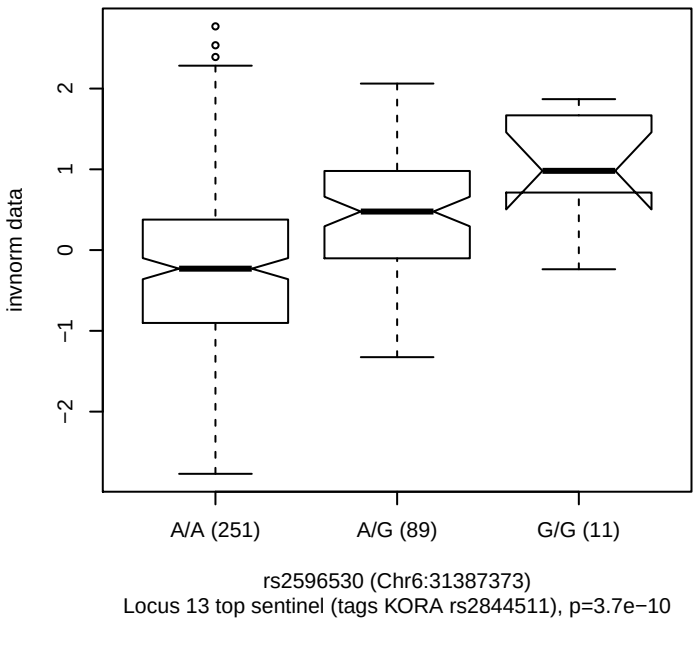

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
0
500
1000
1500
raw data
MHC class I polypeptide−related sequence A

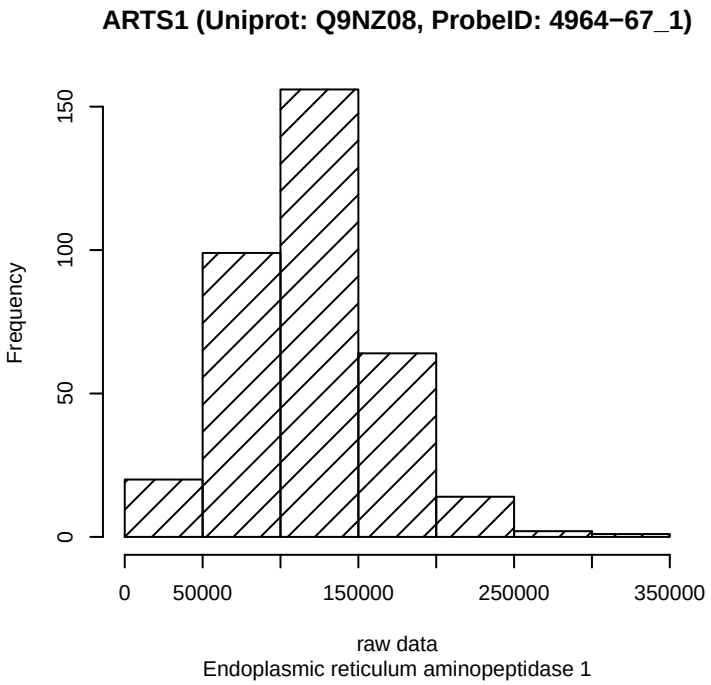

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
raw data
0
500
1000
1500
A/A (251)
A/G (89)
G/G (11)
rs2596530 (Chr6:31387373)
Locus 13 top sentinel (tags KORA rs2844511), p=0.00082

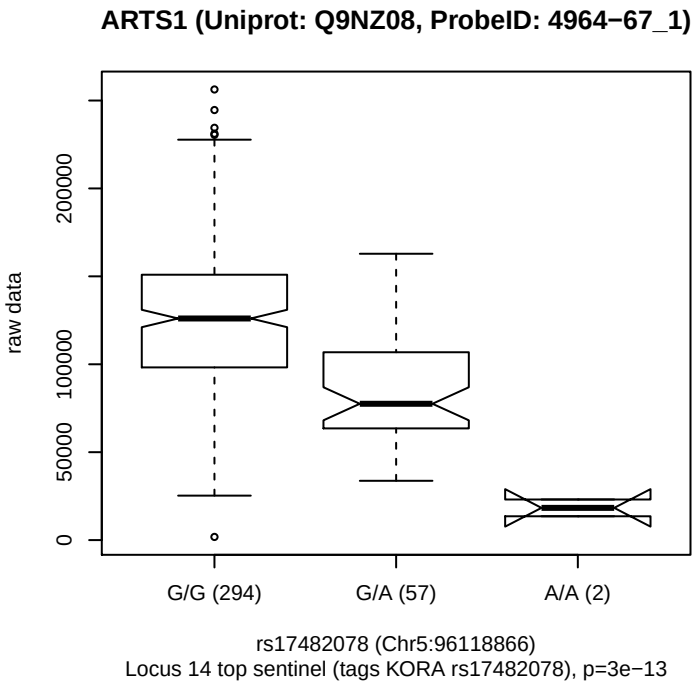

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
20
40
60
80
100
6
7
8
9
10
11
log2−scaled data
MHC class I polypeptide−related sequence A

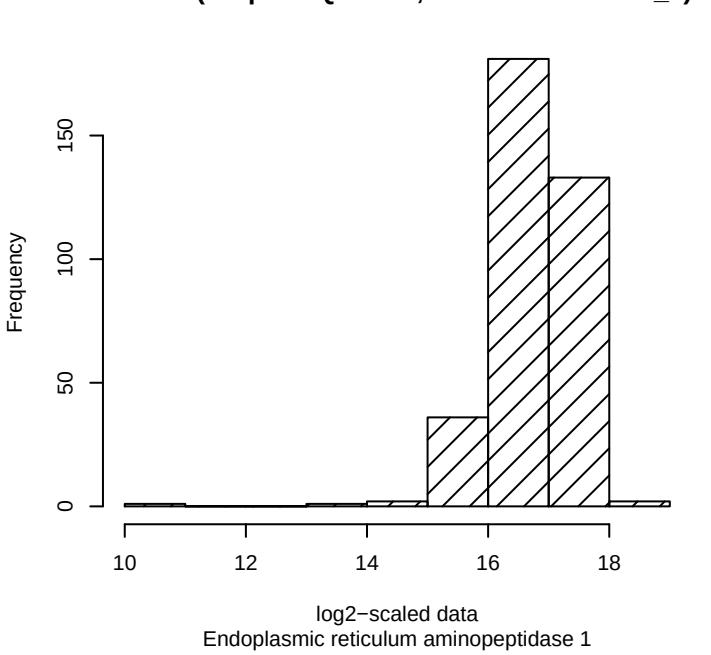

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
log2−scaled data
6
7
8
9
10
A/A (251)
A/G (89)
G/G (11)
rs2596530 (Chr6:31387373)
Locus 13 top sentinel (tags KORA rs2844511), p=7.1e−09, FC=1.3642

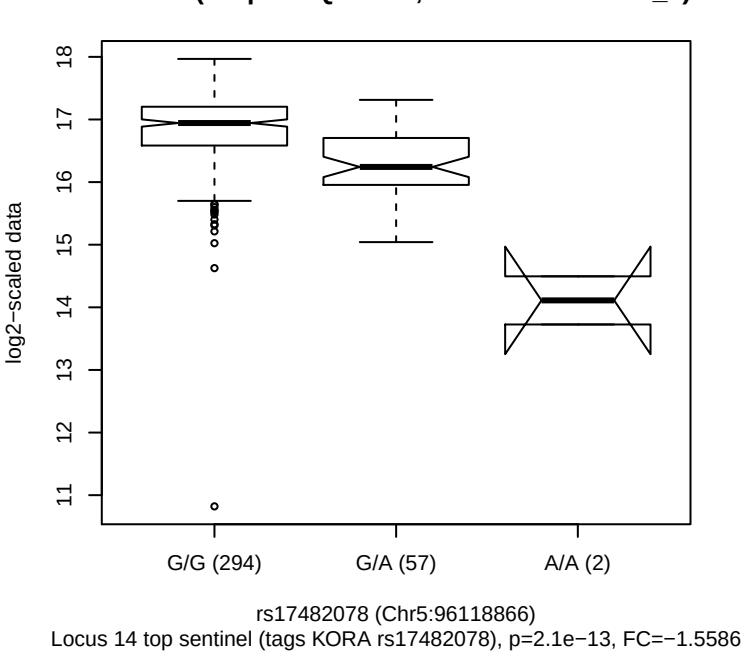

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence A

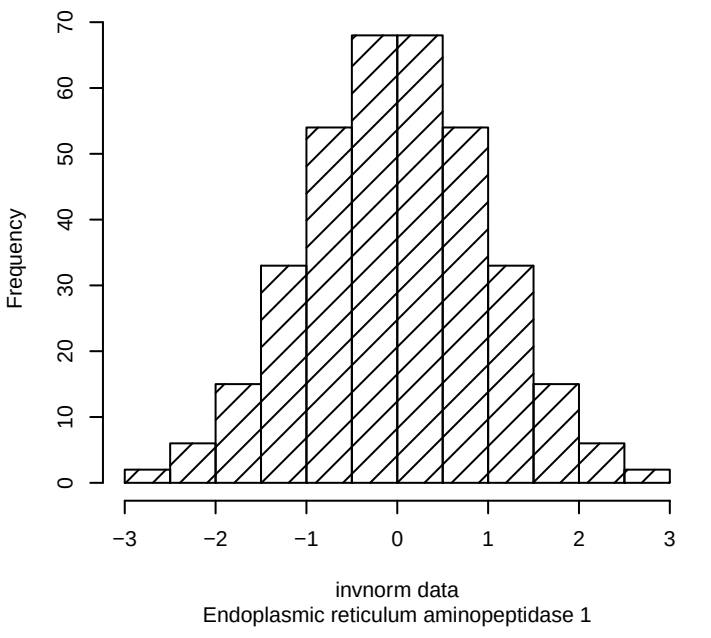

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
invnorm data
−2
−1
0
1
2
A/A (251)
A/G (89)
G/G (11)
rs2596530 (Chr6:31387373)
Locus 13 top sentinel (tags KORA rs2844511), p=3.7e−10

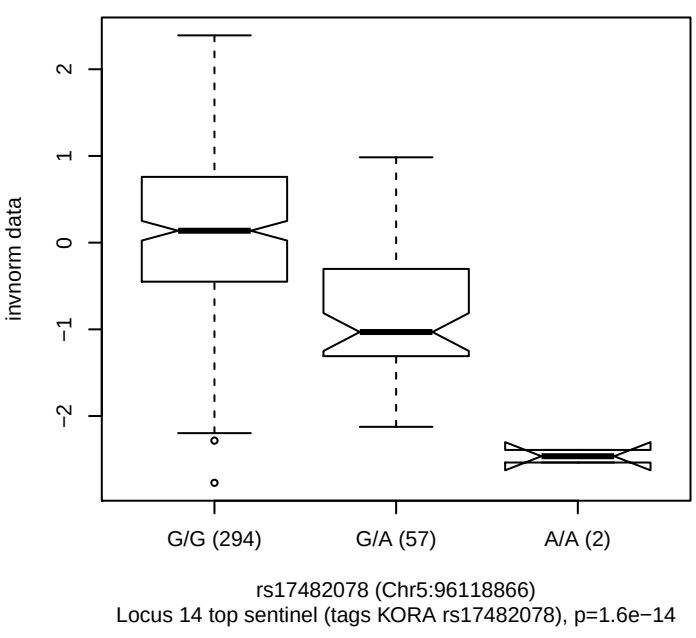

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
Frequency
0
50
100
150
0
50000
150000
250000
350000
raw data
Endoplasmic reticulum aminopeptidase 1


ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
raw data
0
50000
100000
200000
G/G (294)
G/A (57)
A/A (2)
rs17482078 (Chr5:96118866)
Locus 14 top sentinel (tags KORA rs17482078), p=3e−13

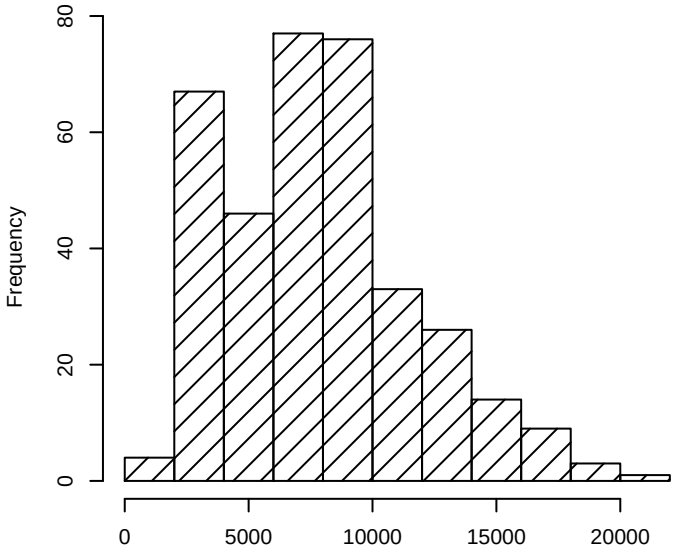

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
Frequency
0
50
100
150
10
12
14
16
18
log2−scaled data
Endoplasmic reticulum aminopeptidase 1


ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
log2−scaled data
11
12
13
14
15
16
17
18
G/G (294)
G/A (57)
A/A (2)
rs17482078 (Chr5:96118866)
Locus 14 top sentinel (tags KORA rs17482078), p=2.1e−13, FC=−1.5586


ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Endoplasmic reticulum aminopeptidase 1

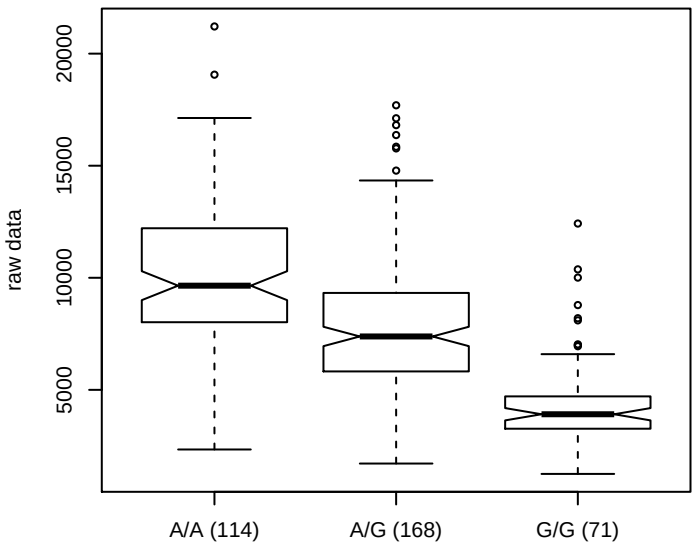

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
invnorm data
−2
−1
0
1
2
G/G (294)
G/A (57)
A/A (2)
rs17482078 (Chr5:96118866)
Locus 14 top sentinel (tags KORA rs17482078), p=1.6e−14

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)



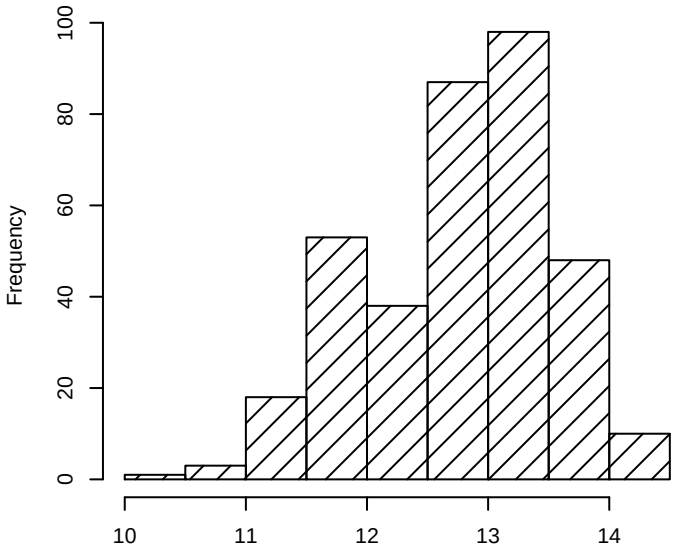
raw data
Platelet−derived growth factor receptor beta

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)



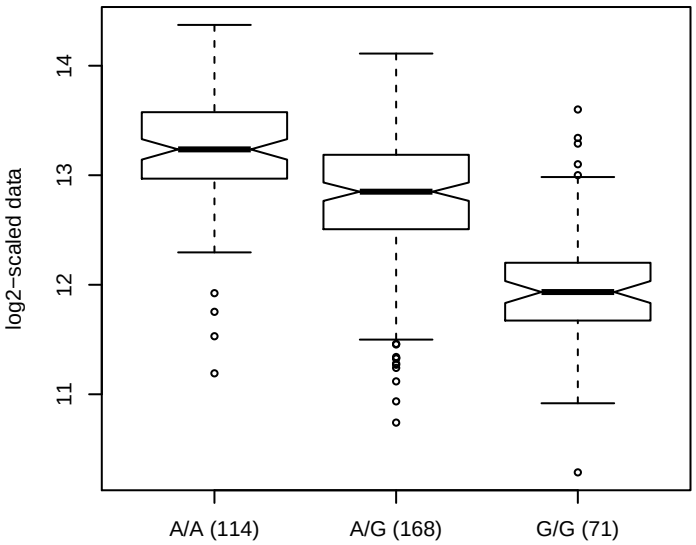
rs3776081 (Chr5:149532107)
Locus 15 top sentinel (tags KORA rs3776081), p=1.1e−33

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)



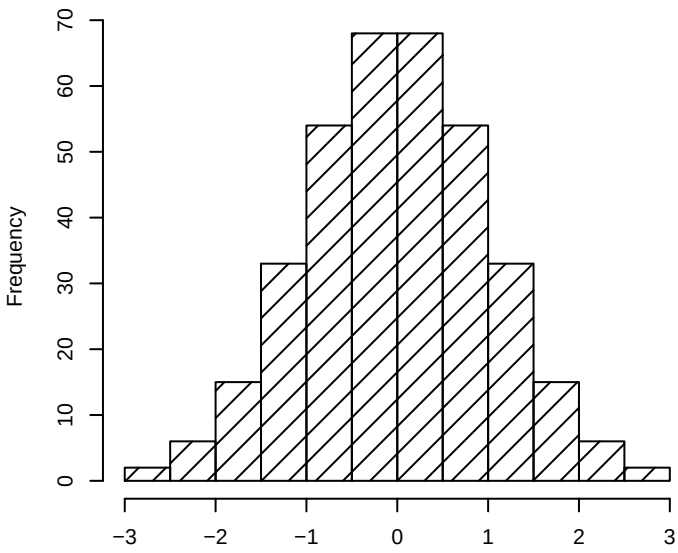
log2−scaled data
Platelet−derived growth factor receptor beta

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)



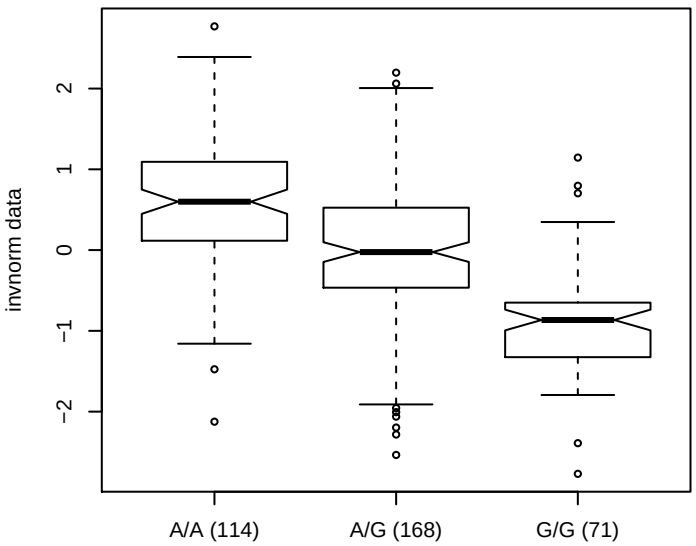
rs3776081 (Chr5:149532107)
Locus 15 top sentinel (tags KORA rs3776081), p=3.6e−34, FC=−1.5127

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)

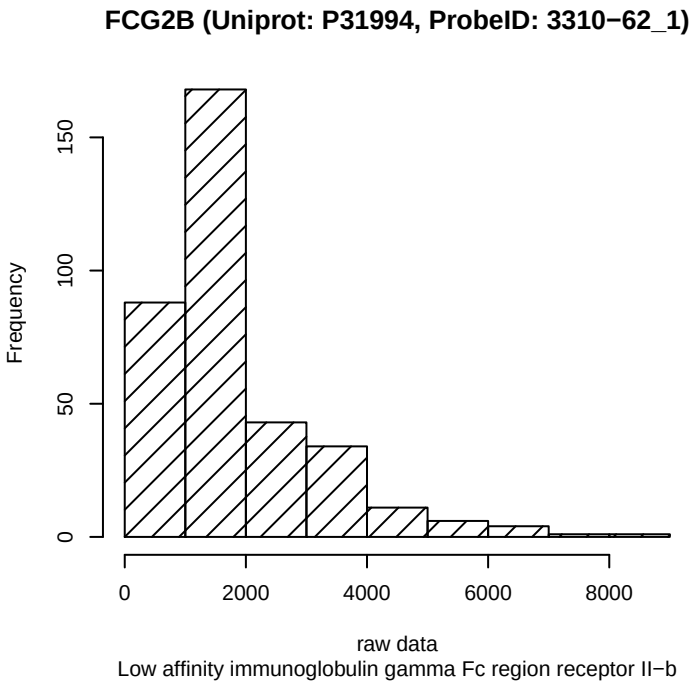


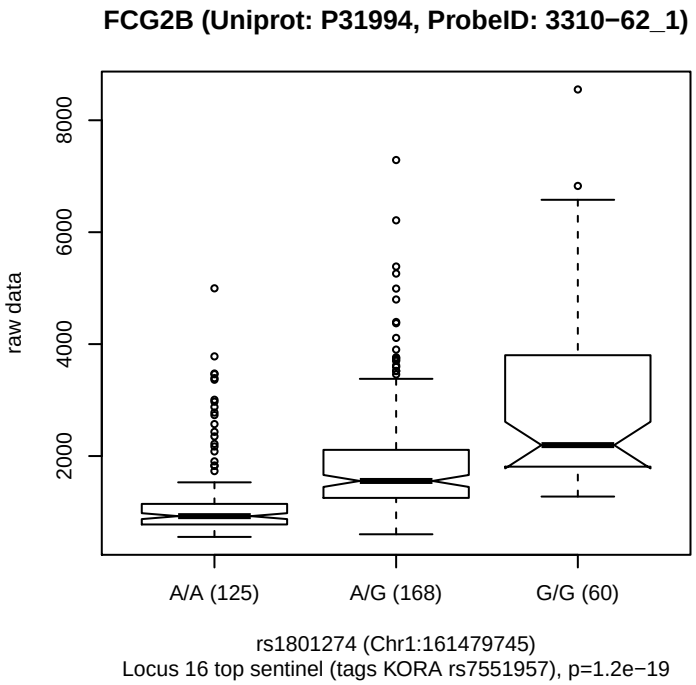
invnorm data
Platelet−derived growth factor receptor beta

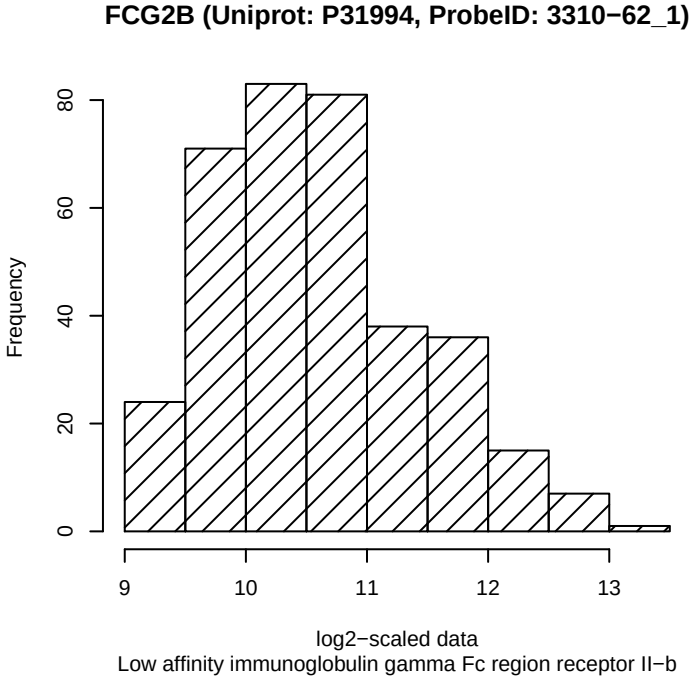
PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)

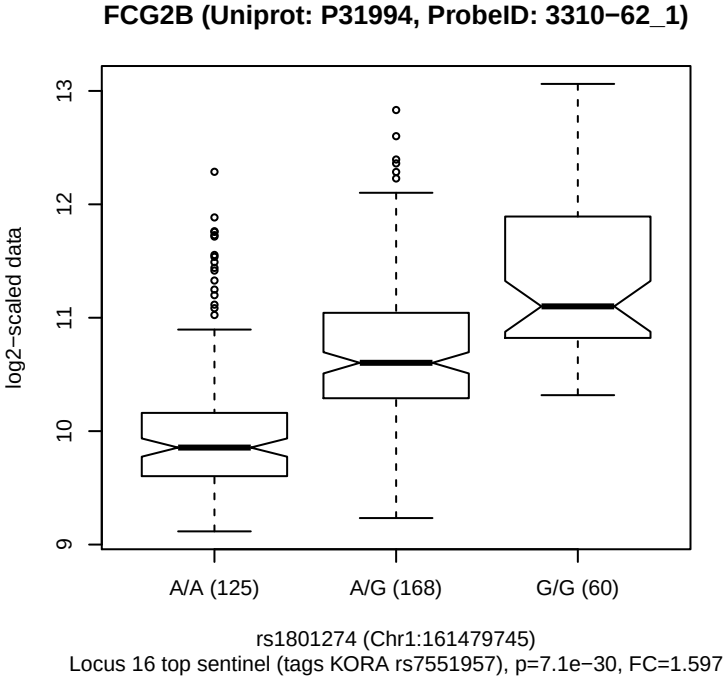


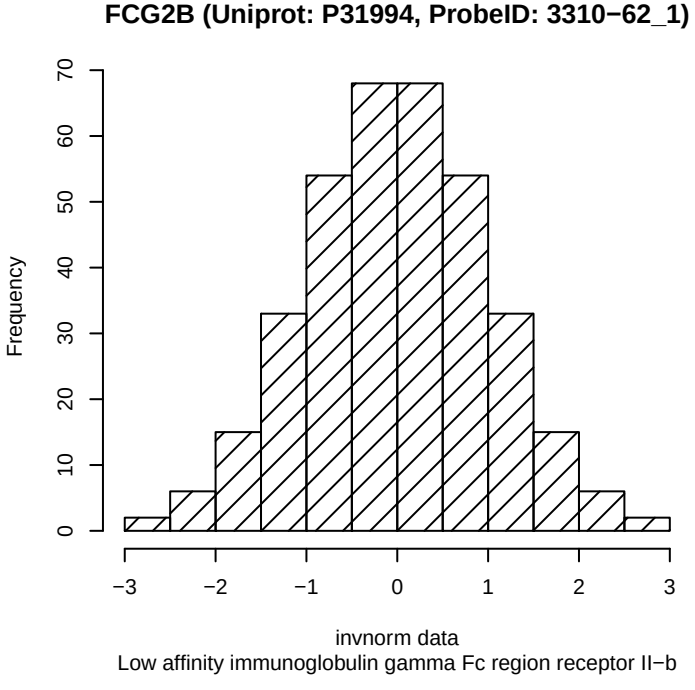
rs3776081 (Chr5:149532107)
Locus 15 top sentinel (tags KORA rs3776081), p=3.1e−33

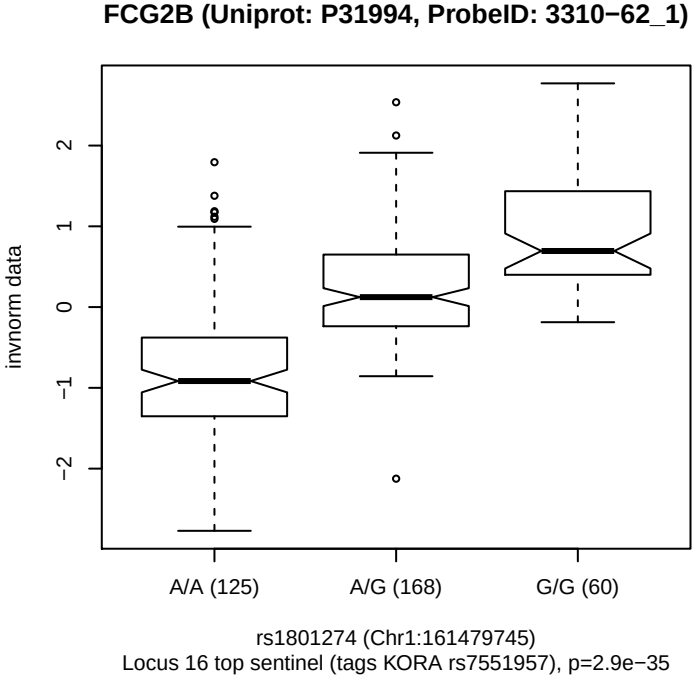

FCG2B (Uniprot: P31994, ProbeID: 3310−62_1)
Frequency
0
50
100
150
0
2000
4000
6000
8000
raw data
Low affinity immunoglobulin gamma Fc region receptor II−b


FCG2B (Uniprot: P31994, ProbeID: 3310−62_1)
raw data
2000
4000
6000
8000
A/A (125)
A/G (168)
G/G (60)
rs1801274 (Chr1:161479745)
Locus 16 top sentinel (tags KORA rs7551957), p=1.2e−19

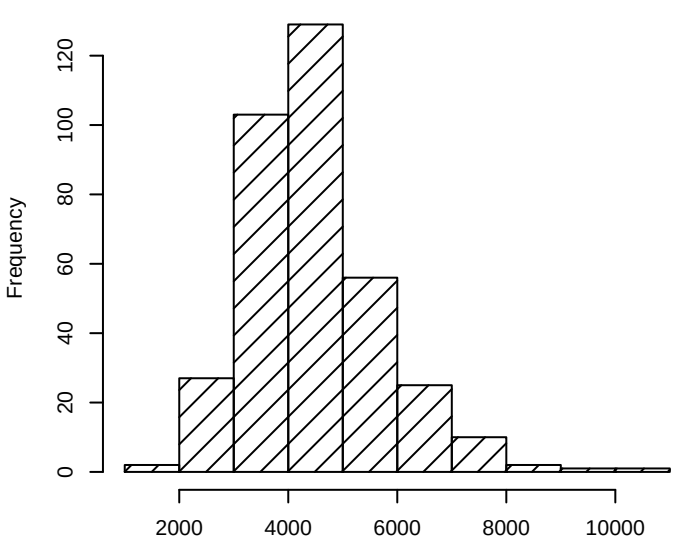

FCG2B (Uniprot: P31994, ProbeID: 3310−62_1)
Frequency
0
20
40
60
80
9
10
11
12
13
log2−scaled data
Low affinity immunoglobulin gamma Fc region receptor II−b


FCG2B (Uniprot: P31994, ProbeID: 3310−62_1)
log2−scaled data
9
10
11
12
13
A/A (125)
A/G (168)
G/G (60)
rs1801274 (Chr1:161479745)
Locus 16 top sentinel (tags KORA rs7551957), p=7.1e−30, FC=1.597


FCG2B (Uniprot: P31994, ProbeID: 3310−62_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Low affinity immunoglobulin gamma Fc region receptor II−b

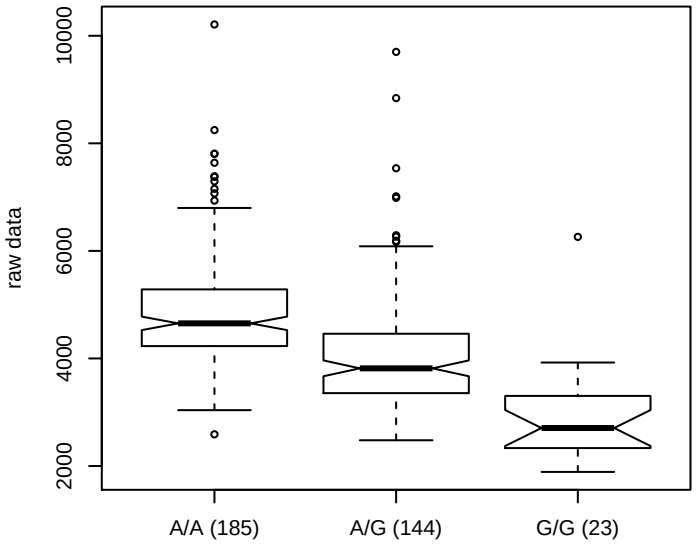

FCG2B (Uniprot: P31994, ProbeID: 3310−62_1)
invnorm data
−2
−1
0
1
2
A/A (125)
A/G (168)
G/G (60)
rs1801274 (Chr1:161479745)
Locus 16 top sentinel (tags KORA rs7551957), p=2.9e−35

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



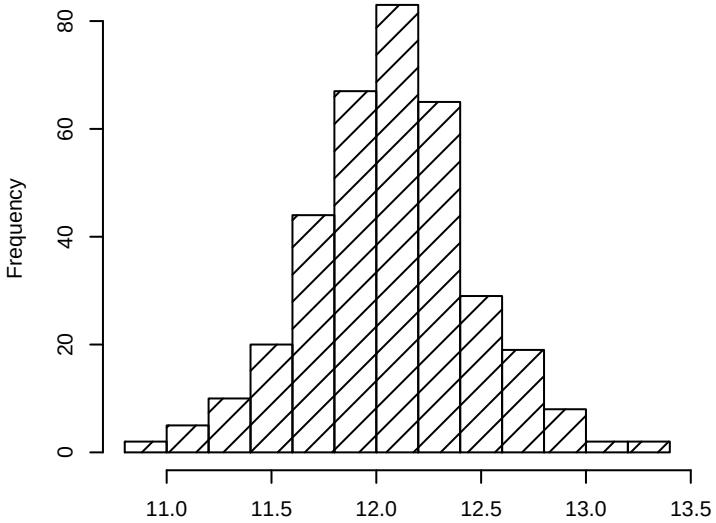
raw data
Calcium/calmodulin−dependent protein kinase type 1

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



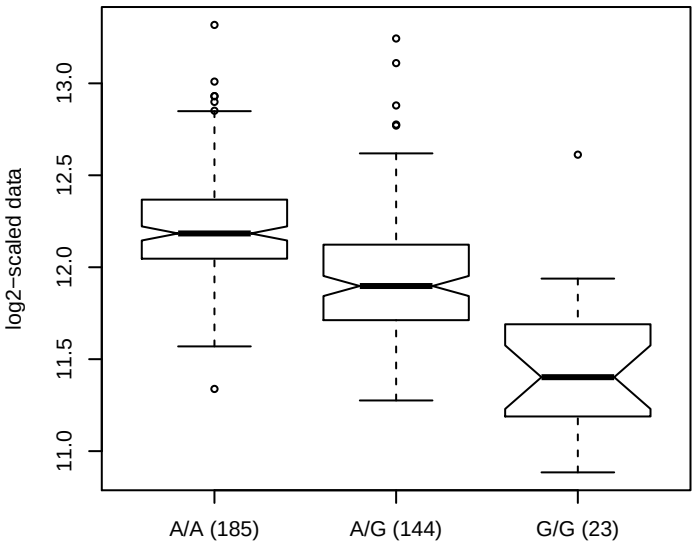
rs4524 (Chr1:169511755)
Locus 17 top sentinel (tags KORA rs4525), p=2e−22

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



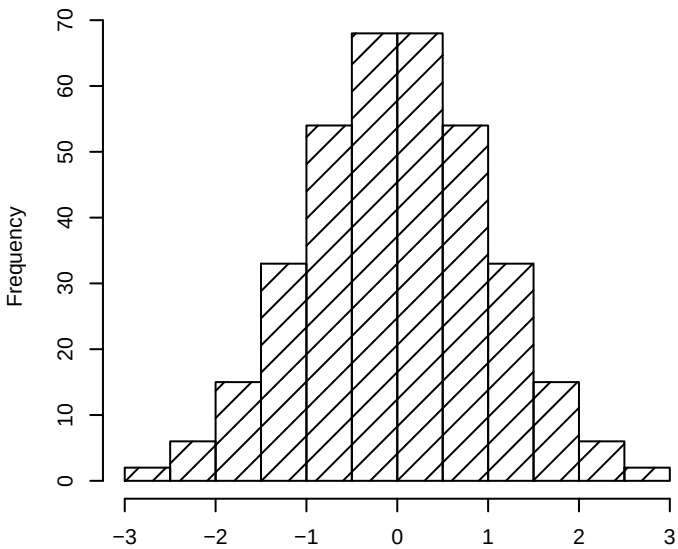
log2−scaled data
Calcium/calmodulin−dependent protein kinase type 1

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



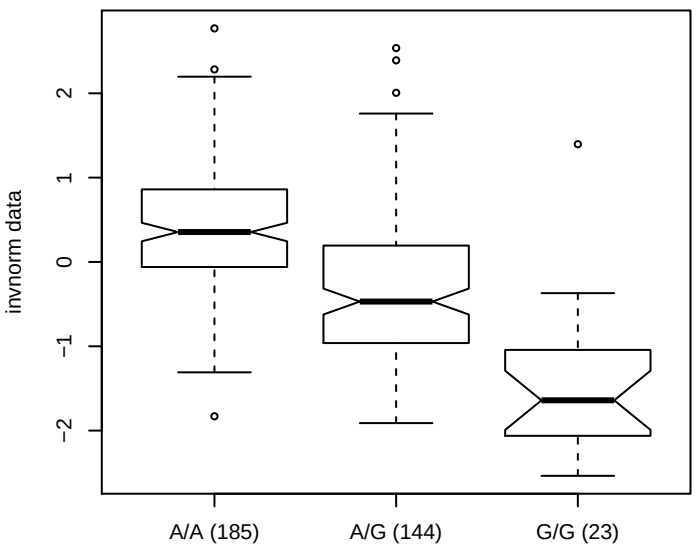
rs4524 (Chr1:169511755)
Locus 17 top sentinel (tags KORA rs4525), p=1.2e−31, FC=−1.2546

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

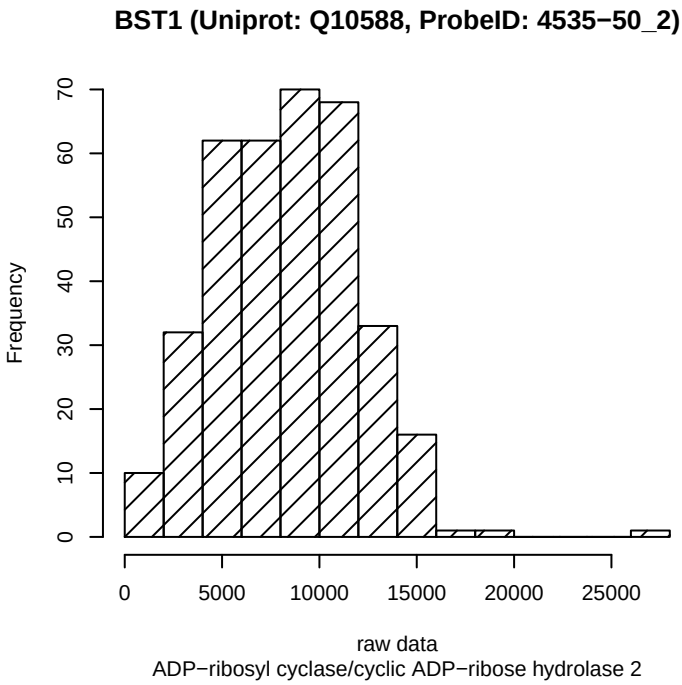


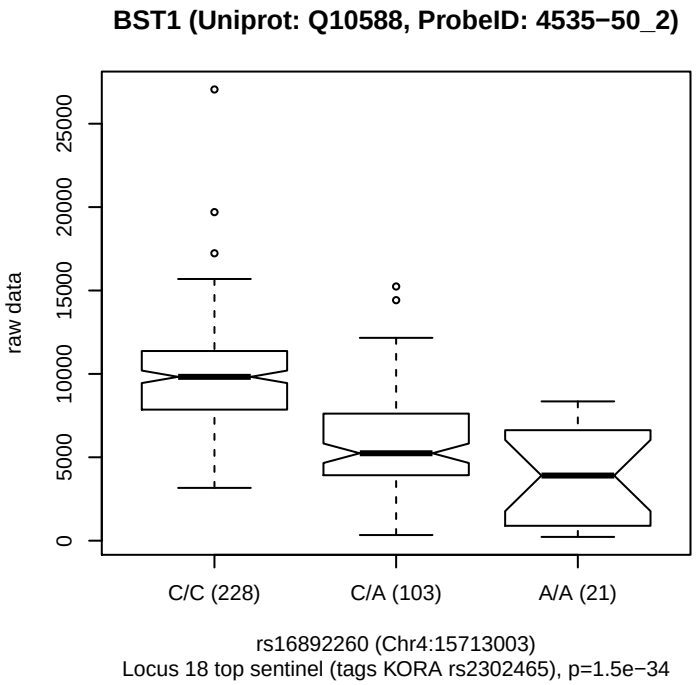
invnorm data
Calcium/calmodulin−dependent protein kinase type 1

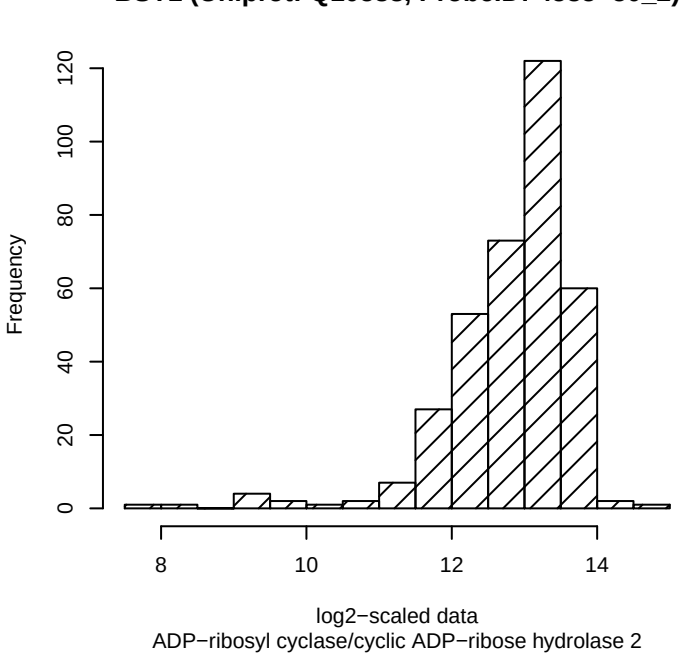
CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)

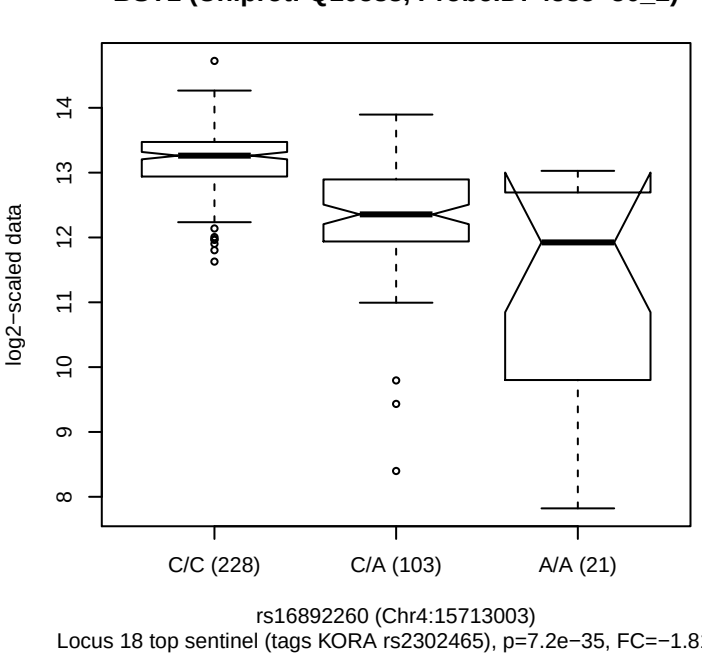


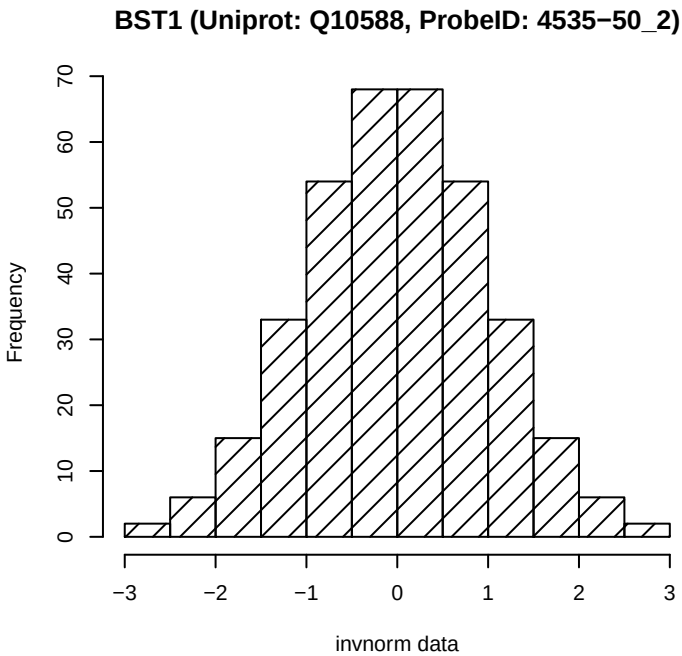
rs4524 (Chr1:169511755)
Locus 17 top sentinel (tags KORA rs4525), p=1.2e−32

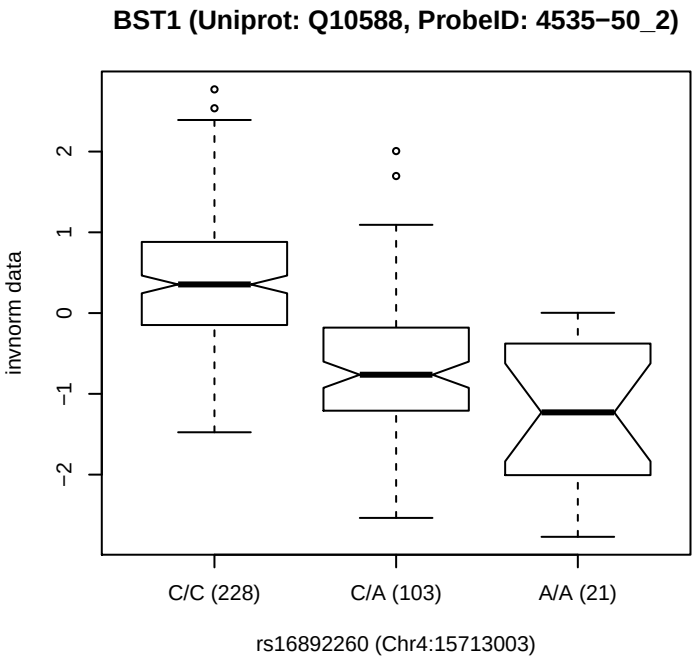

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
Frequency
0
10
20
30
40
50
60
70
0
5000
10000
15000
20000
25000
raw data
ADP−ribosyl cyclase/cyclic ADP−ribose hydrolase 2

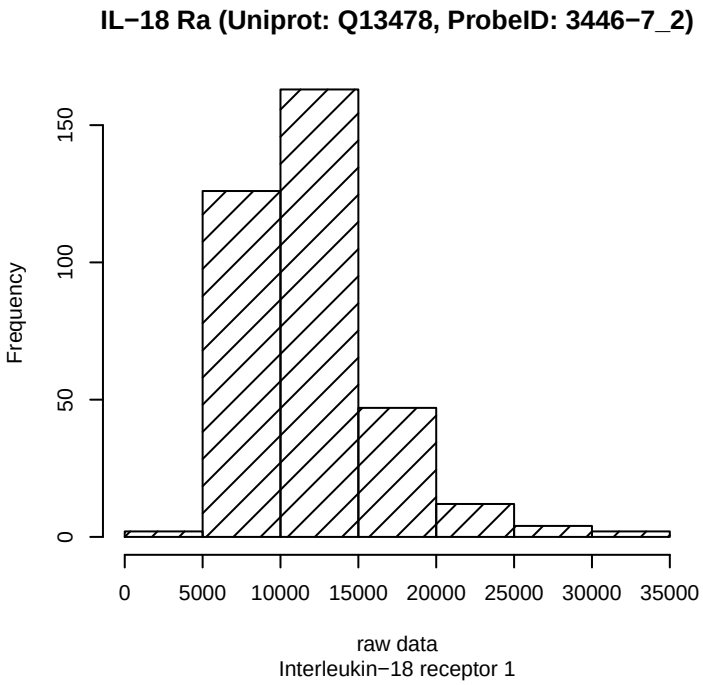

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
raw data
0
5000
10000
15000
20000
25000
C/C (228)
C/A (103)
A/A (21)
rs16892260 (Chr4:15713003)
Locus 18 top sentinel (tags KORA rs2302465), p=1.5e−34

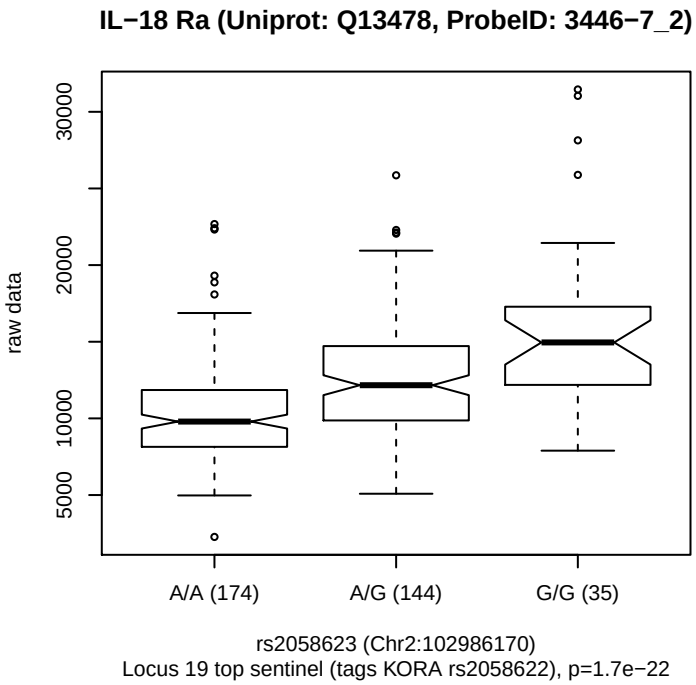

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
Frequency
0
20
40
60
80
100
120
8
10
12
14
log2−scaled data
ADP−ribosyl cyclase/cyclic ADP−ribose hydrolase 2

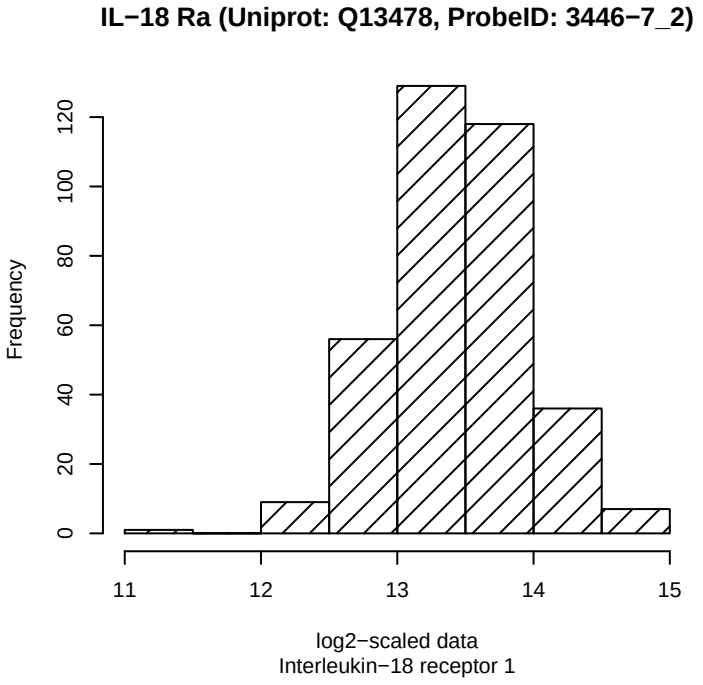

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
log2−scaled data
8
9
10
11
12
13
14
C/C (228)
C/A (103)
A/A (21)
rs16892260 (Chr4:15713003)
Locus 18 top sentinel (tags KORA rs2302465), p=7.2e−35, FC=−1.8129

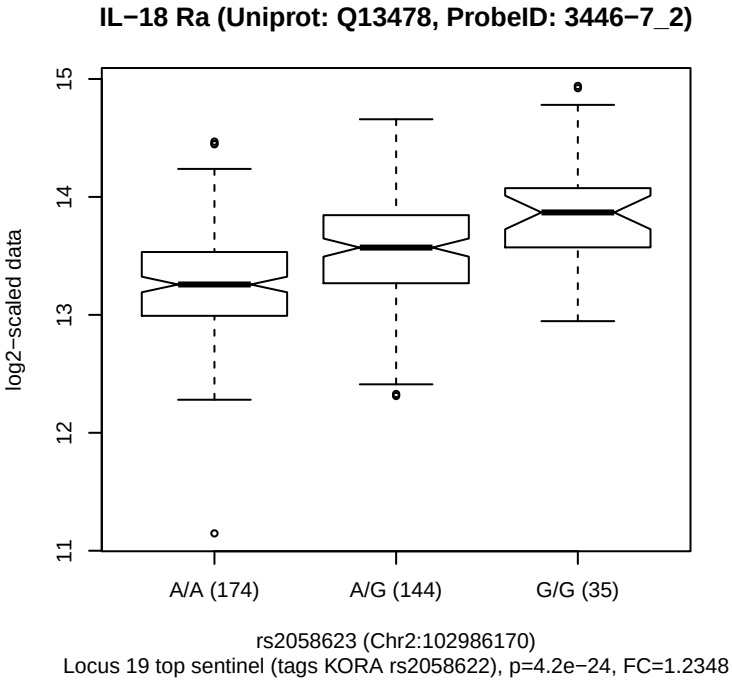

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
ADP−ribosyl cyclase/cyclic ADP−ribose hydrolase 2

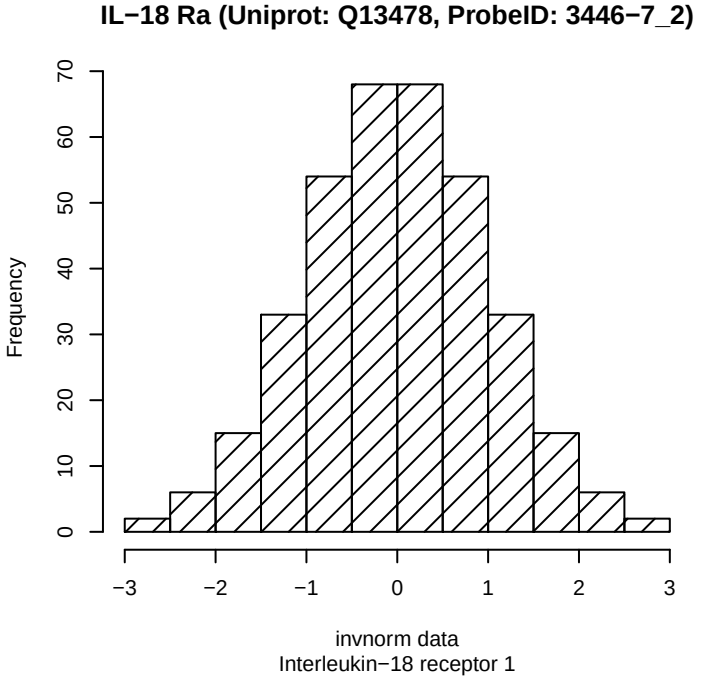

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
invnorm data
−2
−1
0
1
2
C/C (228)
C/A (103)
A/A (21)
rs16892260 (Chr4:15713003)
Locus 18 top sentinel (tags KORA rs2302465), p=2e−36

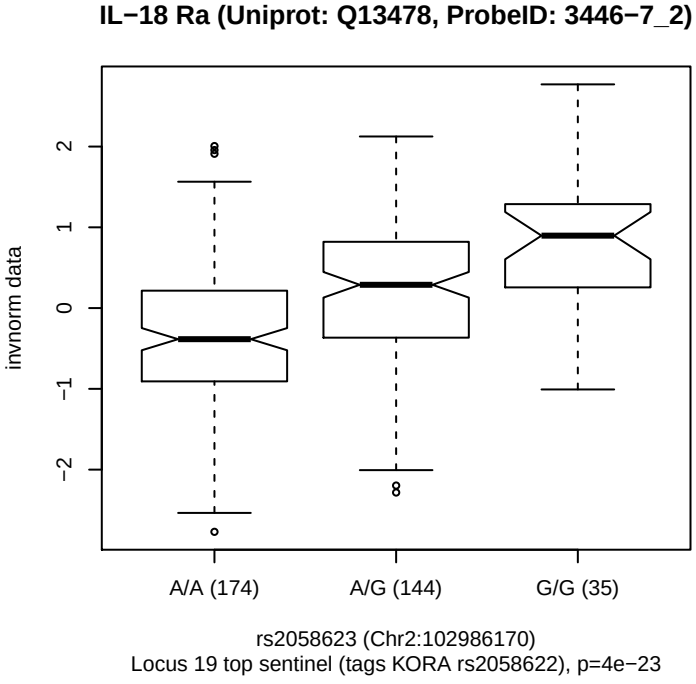

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
Frequency
0
50
100
150
0
5000
10000
15000
20000
25000
30000
35000
raw data
Interleukin−18 receptor 1

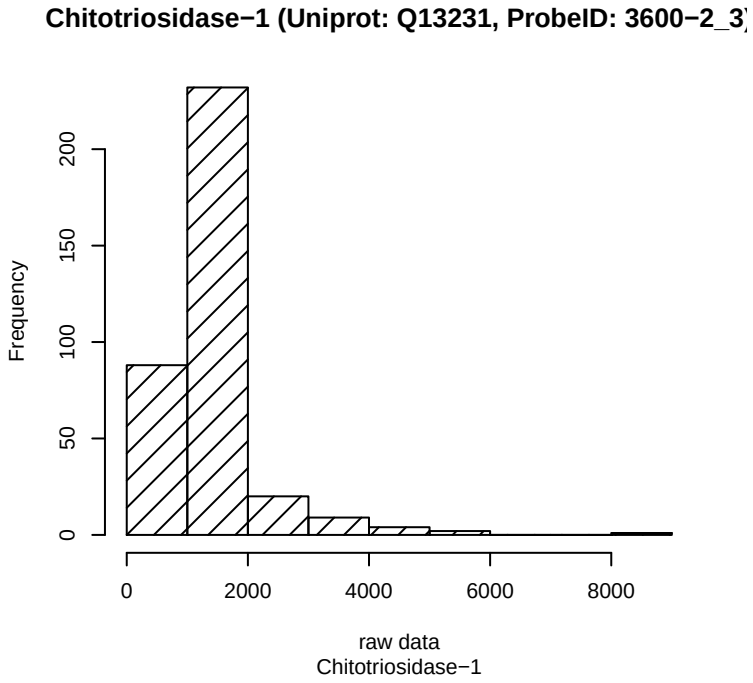

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
raw data
5000
10000
20000
30000
A/A (174)
A/G (144)
G/G (35)
rs2058623 (Chr2:102986170)
Locus 19 top sentinel (tags KORA rs2058622), p=1.7e−22

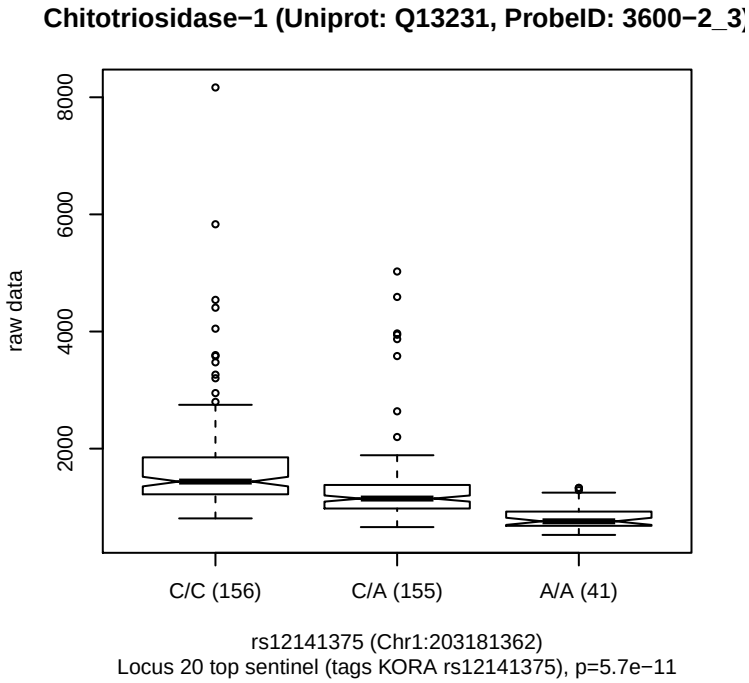

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
Frequency
0
20
40
60
80
100
120
11
12
13
14
15
log2−scaled data
Interleukin−18 receptor 1

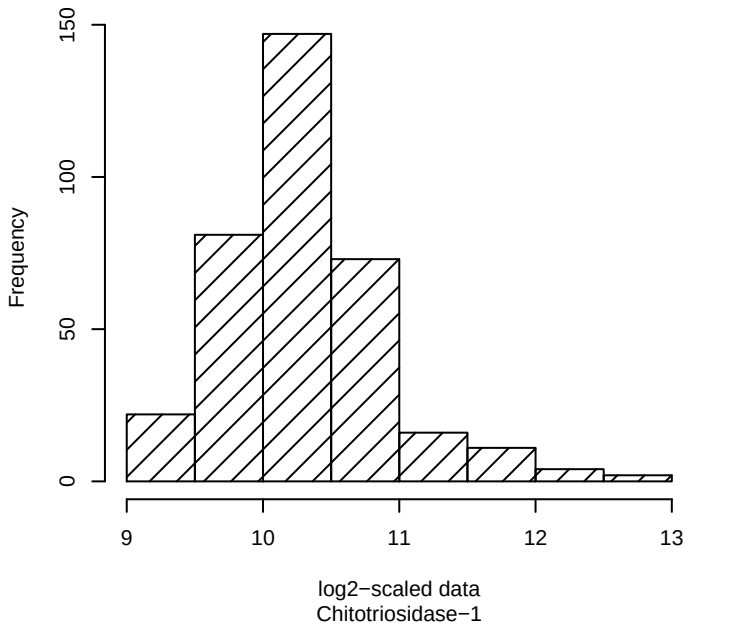

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
log2−scaled data
11
12
13
14
15
A/A (174)
A/G (144)
G/G (35)
rs2058623 (Chr2:102986170)
Locus 19 top sentinel (tags KORA rs2058622), p=4.2e−24, FC=1.2348

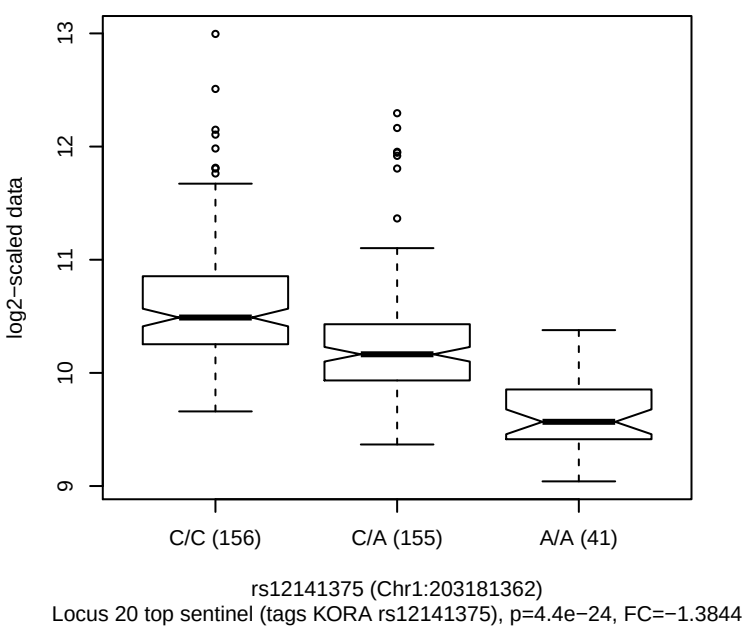

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−18 receptor 1

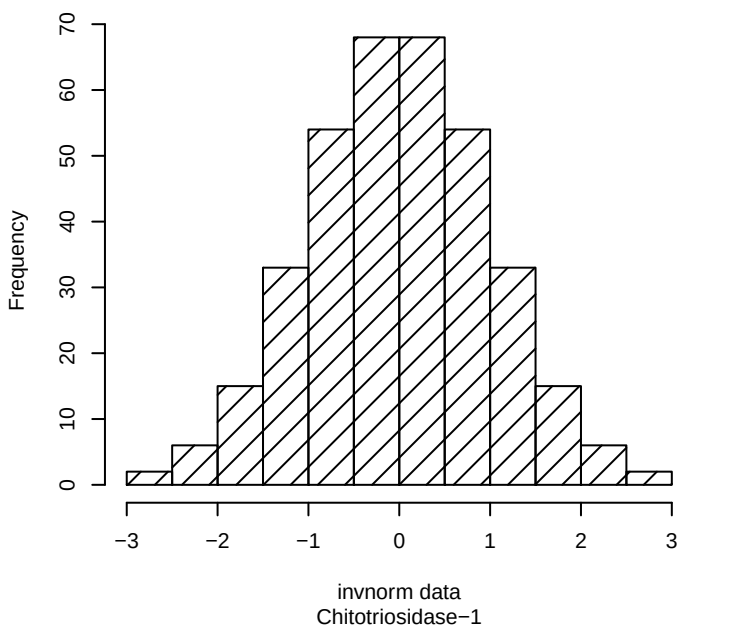

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
invnorm data
−2
−1
0
1
2
A/A (174)
A/G (144)
G/G (35)
rs2058623 (Chr2:102986170)
Locus 19 top sentinel (tags KORA rs2058622), p=4e−23

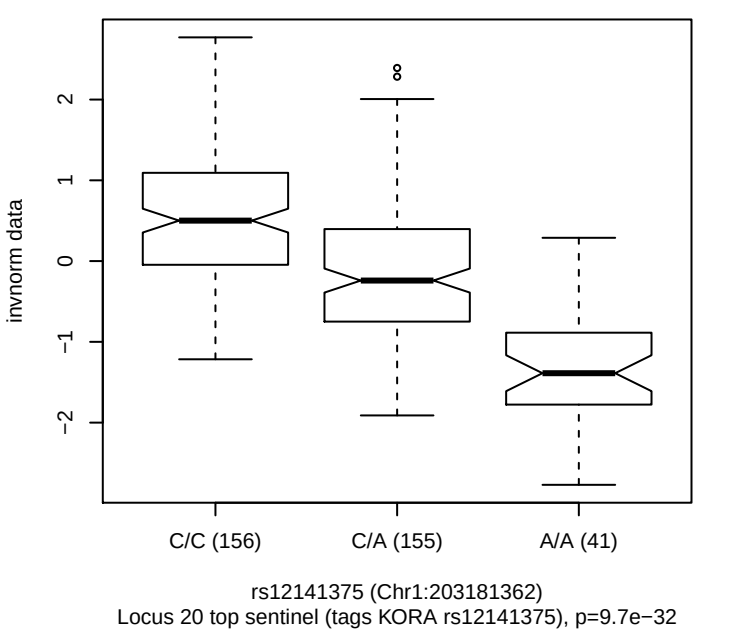

Chitotriosidase−1 (Uniprot: Q13231, ProbeID: 3600−2_3)
Frequency
0
50
100
150
200
0
2000
4000
6000
8000
raw data
Chitotriosidase−1

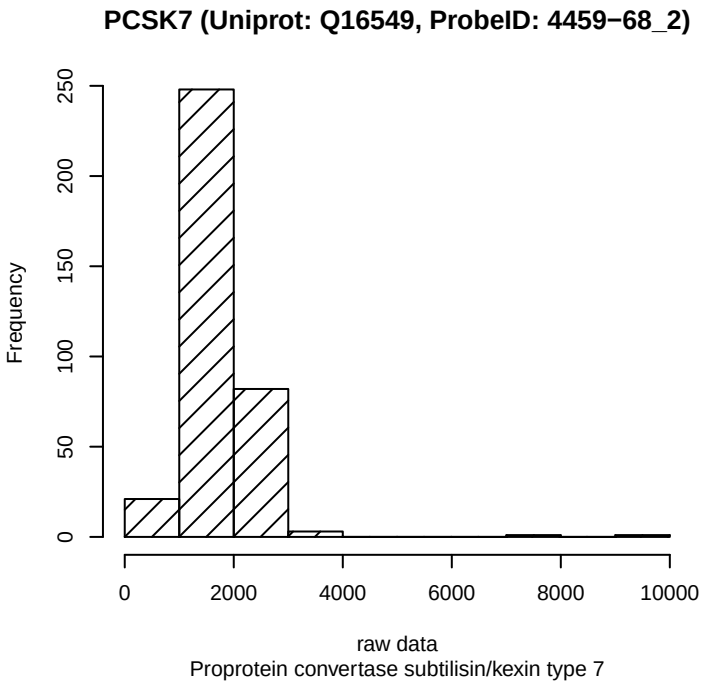

Chitotriosidase−1 (Uniprot: Q13231, ProbeID: 3600−2_3)
raw data
2000
4000
6000
8000
C/C (156)
C/A (155)
A/A (41)
rs12141375 (Chr1:203181362)
Locus 20 top sentinel (tags KORA rs12141375), p=5.7e−11

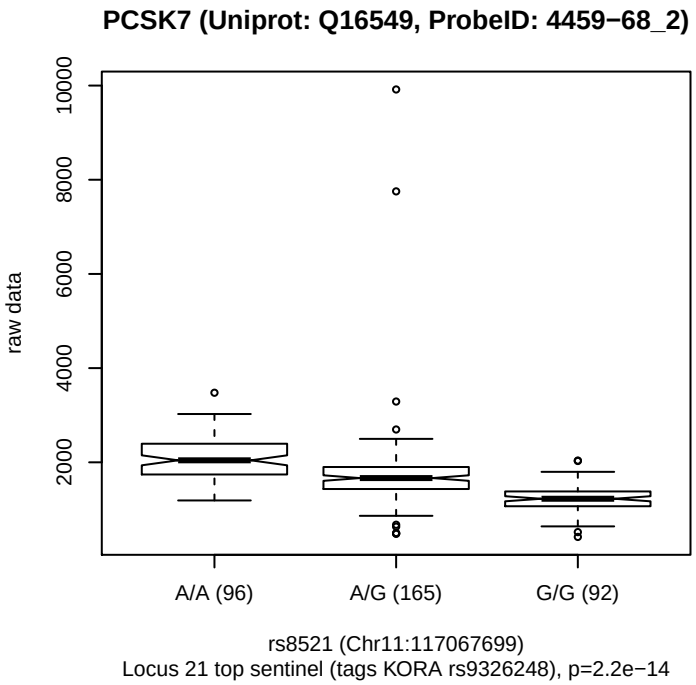

Chitotriosidase−1 (Uniprot: Q13231, ProbeID: 3600−2_3)
Frequency
0
50
100
150
9
10
11
12
13
log2−scaled data
Chitotriosidase−1

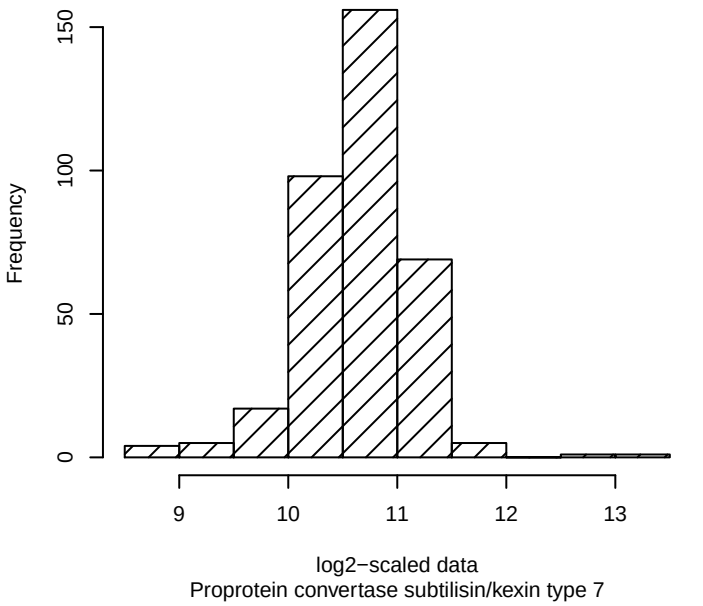

Chitotriosidase−1 (Uniprot: Q13231, ProbeID: 3600−2_3)
log2−scaled data
9
10
11
12
13
C/C (156)
C/A (155)
A/A (41)
rs12141375 (Chr1:203181362)
Locus 20 top sentinel (tags KORA rs12141375), p=4.4e−24, FC=−1.3844

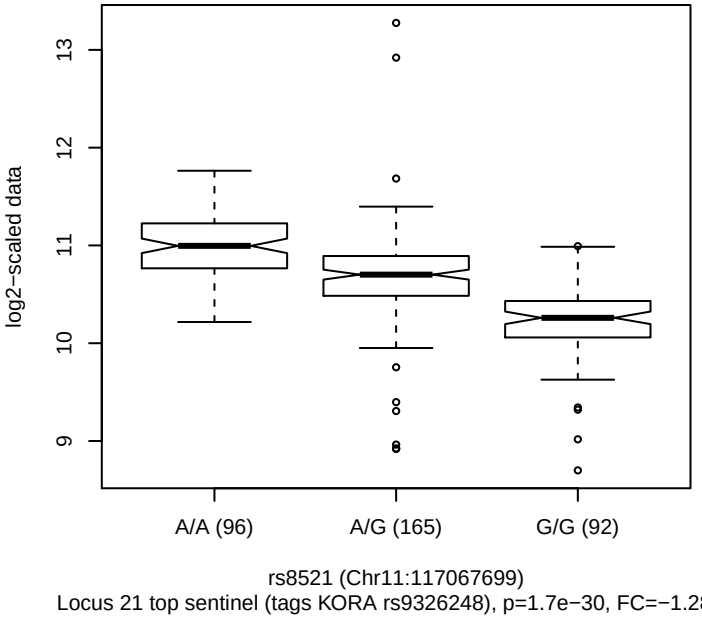

Chitotriosidase−1 (Uniprot: Q13231, ProbeID: 3600−2_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Chitotriosidase−1

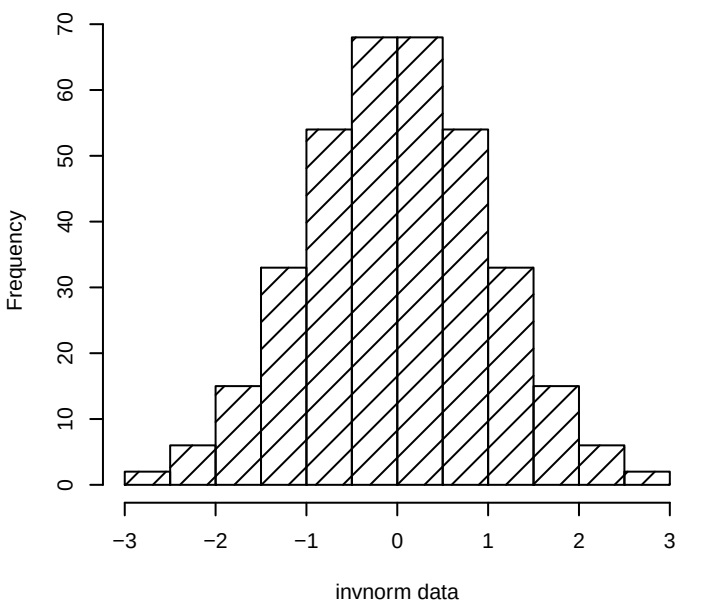

Chitotriosidase−1 (Uniprot: Q13231, ProbeID: 3600−2_3)
invnorm data
−2
−1
0
1
2
C/C (156)
C/A (155)
A/A (41)
rs12141375 (Chr1:203181362)
Locus 20 top sentinel (tags KORA rs12141375), p=9.7e−32

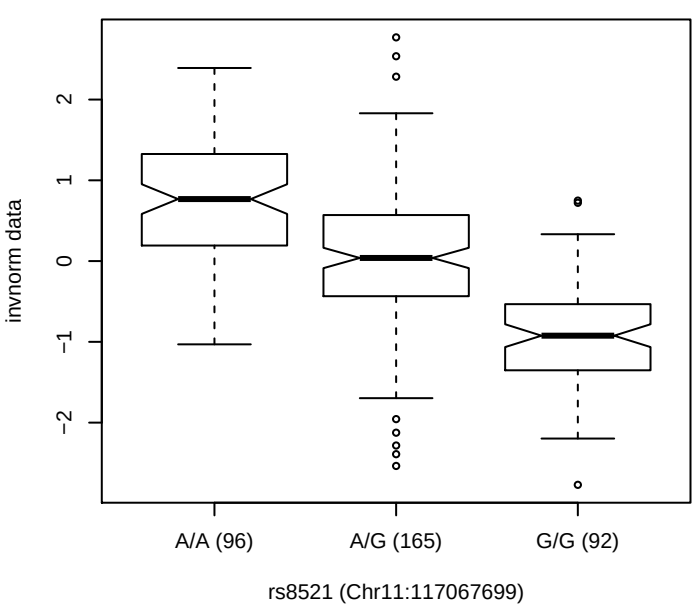

PCSK7 (Uniprot: Q16549, ProbeID: 4459−68_2)
Frequency
0
50
100
150
200
250
0
2000
4000
6000
8000
10000
raw data
Proprotein convertase subtilisin/kexin type 7

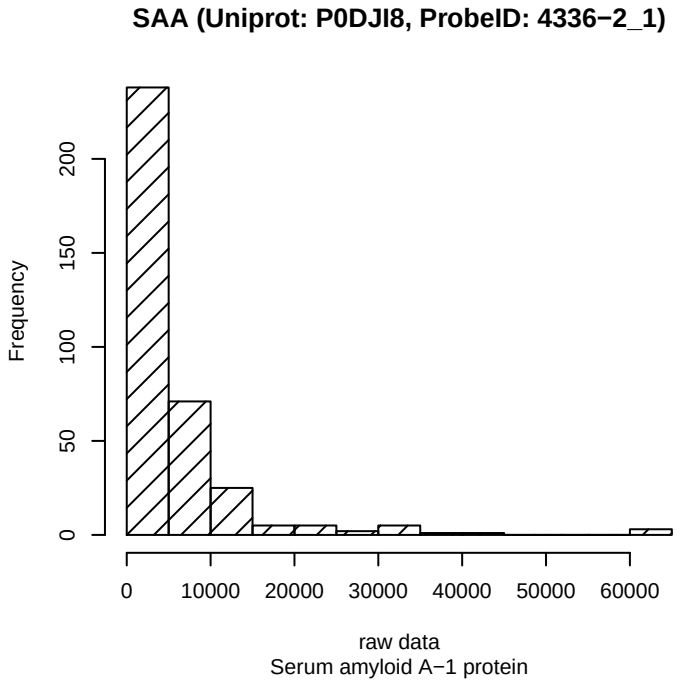

PCSK7 (Uniprot: Q16549, ProbeID: 4459−68_2)
raw data
2000
4000
6000
8000
10000
A/A (96)
A/G (165)
G/G (92)
rs8521 (Chr11:117067699)
Locus 21 top sentinel (tags KORA rs9326248), p=2.2e−14

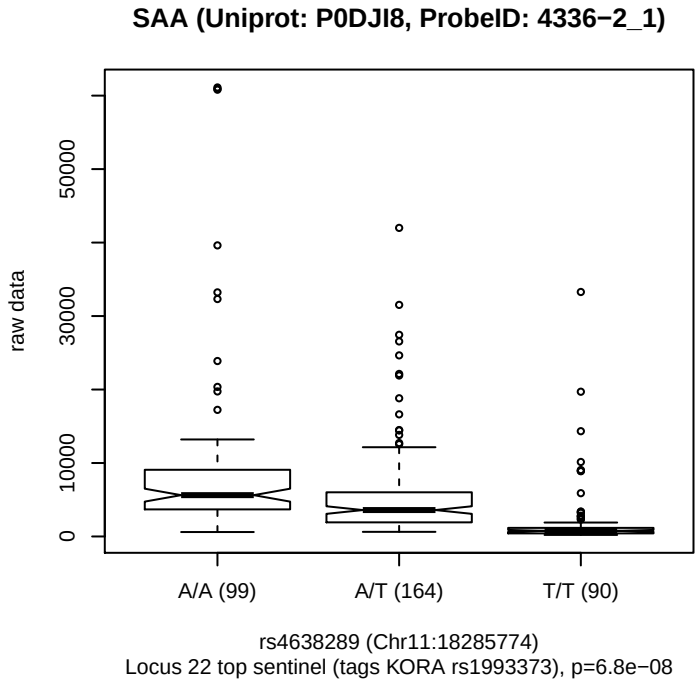

PCSK7 (Uniprot: Q16549, ProbeID: 4459−68_2)
Frequency
0
50
100
150
9
10
11
12
13
log2−scaled data
Proprotein convertase subtilisin/kexin type 7

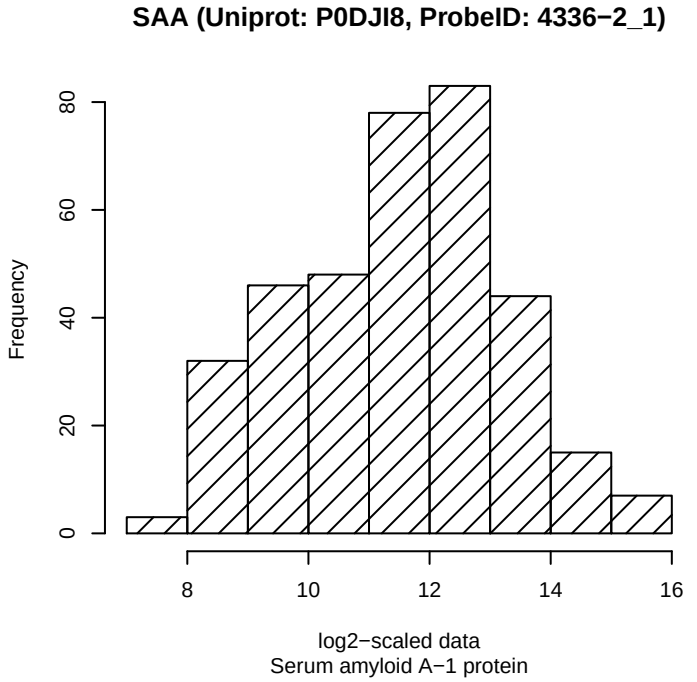

PCSK7 (Uniprot: Q16549, ProbeID: 4459−68_2)
log2−scaled data
9
10
11
12
13
A/A (96)
A/G (165)
G/G (92)
rs8521 (Chr11:117067699)
Locus 21 top sentinel (tags KORA rs9326248), p=1.7e−30, FC=−1.2869

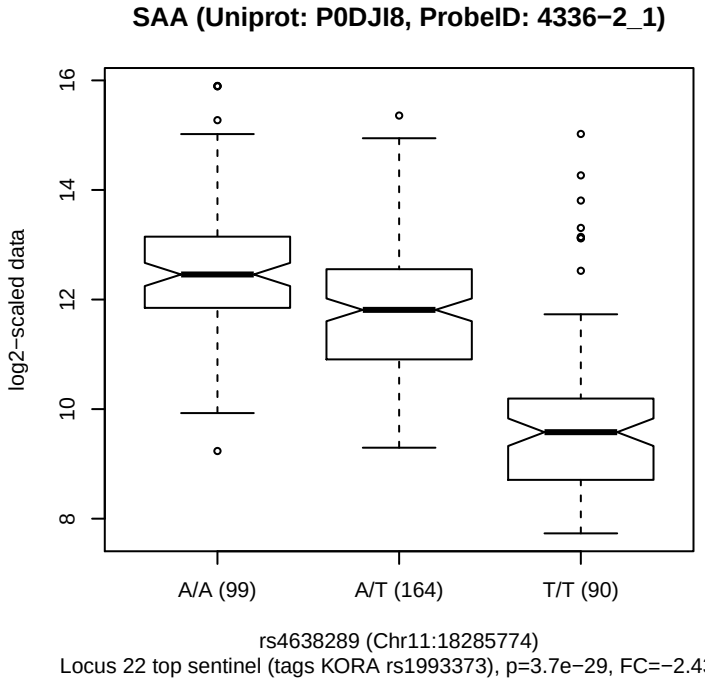

PCSK7 (Uniprot: Q16549, ProbeID: 4459−68_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Proprotein convertase subtilisin/kexin type 7

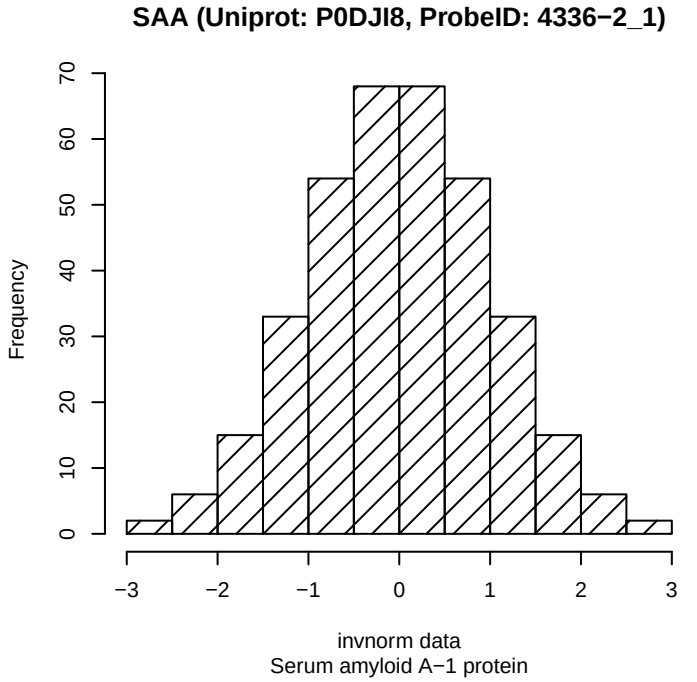

PCSK7 (Uniprot: Q16549, ProbeID: 4459−68_2)
invnorm data
−2
−1
0
1
2
A/A (96)
A/G (165)
G/G (92)
rs8521 (Chr11:117067699)
Locus 21 top sentinel (tags KORA rs9326248), p=1.2e−42

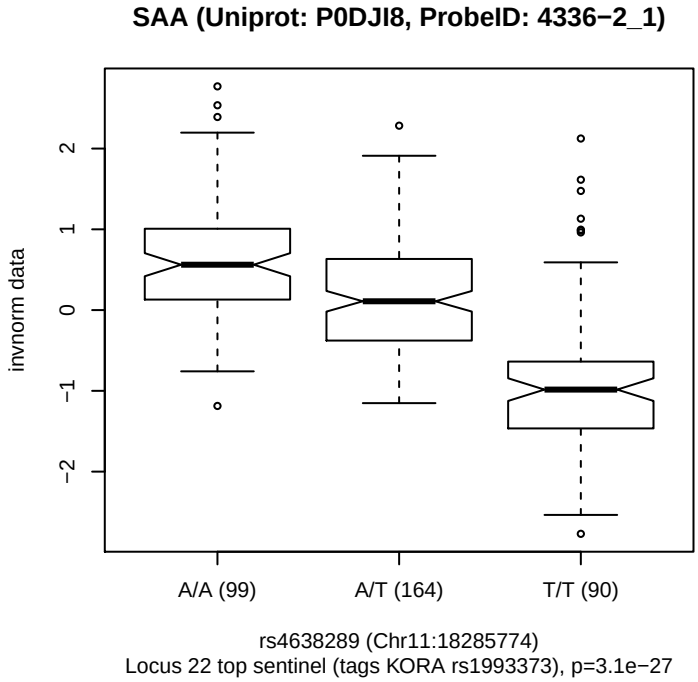

SAA (Uniprot: P0DJI8, ProbeID: 4336−2_1)
Frequency
0
50
100
150
200
0
10000
20000
30000
40000
50000
60000
raw data
Serum amyloid A−1 protein


SAA (Uniprot: P0DJI8, ProbeID: 4336−2_1)
raw data
0
10000
30000
50000
A/A (99)
A/T (164)
T/T (90)
rs4638289 (Chr11:18285774)
Locus 22 top sentinel (tags KORA rs1993373), p=6.8e−08

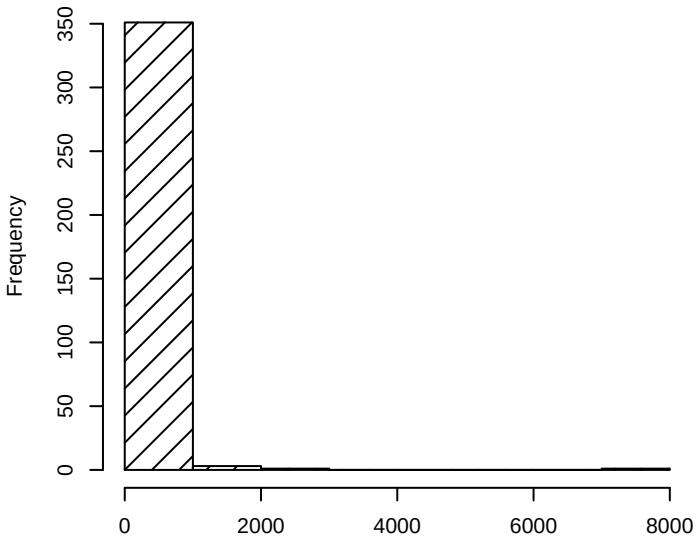

SAA (Uniprot: P0DJI8, ProbeID: 4336−2_1)
Frequency
0
20
40
60
80
8
10
12
14
16
log2−scaled data
Serum amyloid A−1 protein


SAA (Uniprot: P0DJI8, ProbeID: 4336−2_1)
log2−scaled data
8
10
12
14
16
A/A (99)
A/T (164)
T/T (90)
rs4638289 (Chr11:18285774)
Locus 22 top sentinel (tags KORA rs1993373), p=3.7e−29, FC=−2.4309


SAA (Uniprot: P0DJI8, ProbeID: 4336−2_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Serum amyloid A−1 protein

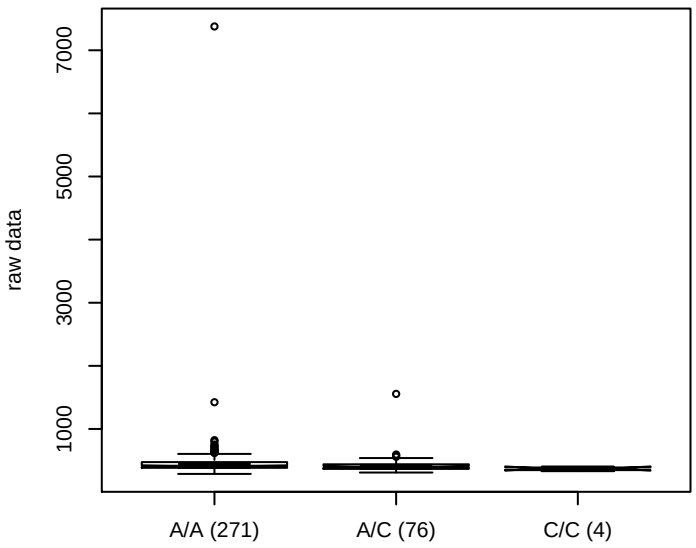

SAA (Uniprot: P0DJI8, ProbeID: 4336−2_1)
invnorm data
−2
−1
0
1
2
A/A (99)
A/T (164)
T/T (90)
rs4638289 (Chr11:18285774)
Locus 22 top sentinel (tags KORA rs1993373), p=3.1e−27

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



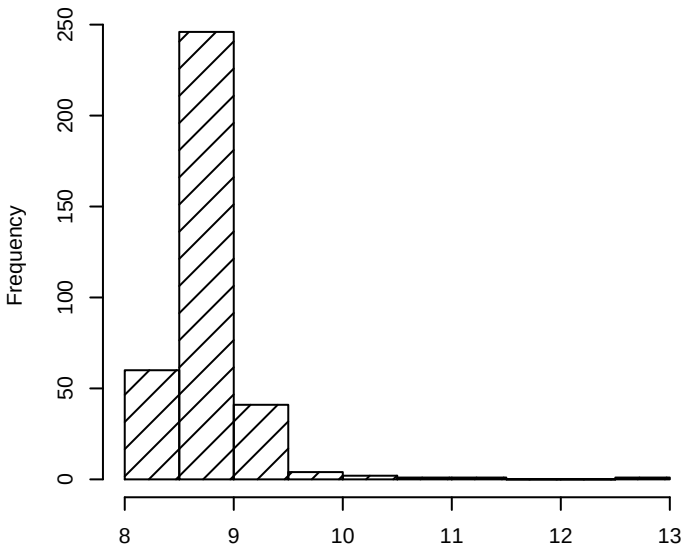
A disintegrin and metalloproteinase with thrombospondin motifs 5

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



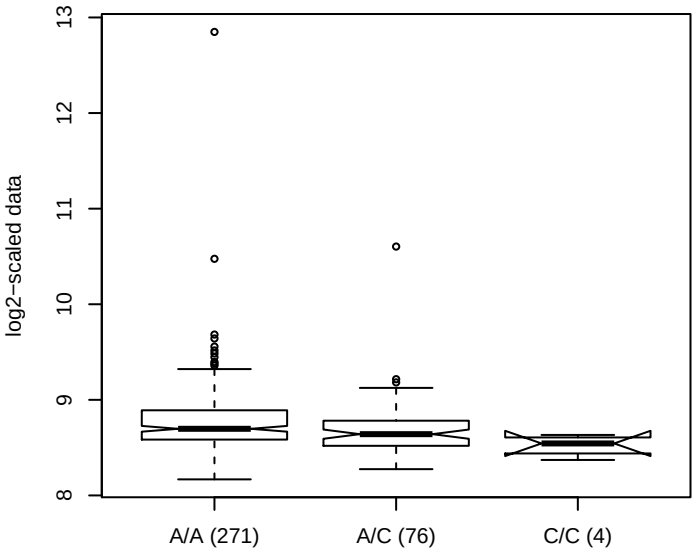
rs2830586 (Chr21:28305477)
Locus 23 top sentinel (tags KORA rs2830585), p=0.19

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



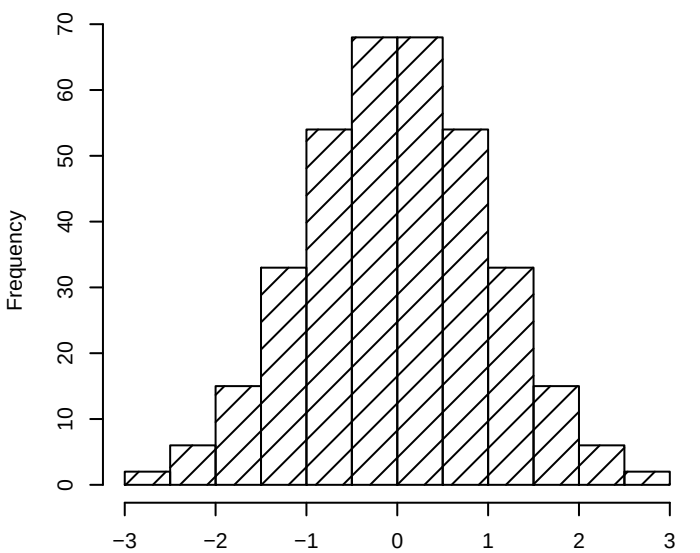
A disintegrin and metalloproteinase with thrombospondin motifs 5

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



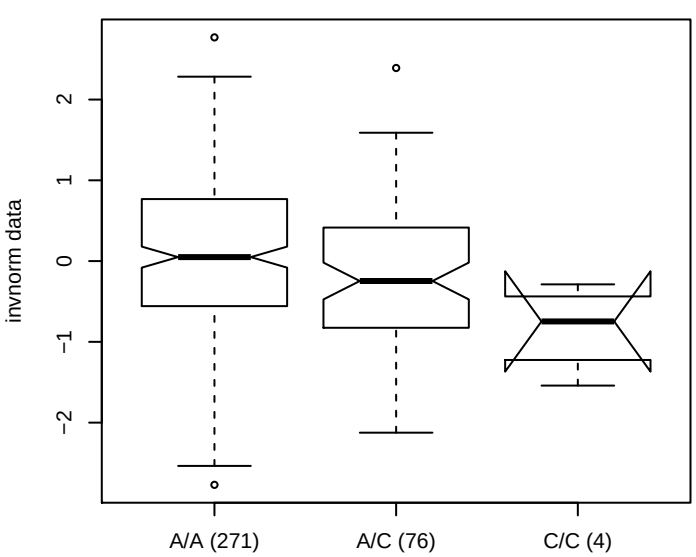
rs2830586 (Chr21:28305477)
Locus 23 top sentinel (tags KORA rs2830585), p=0.0016, FC=−1.0922

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

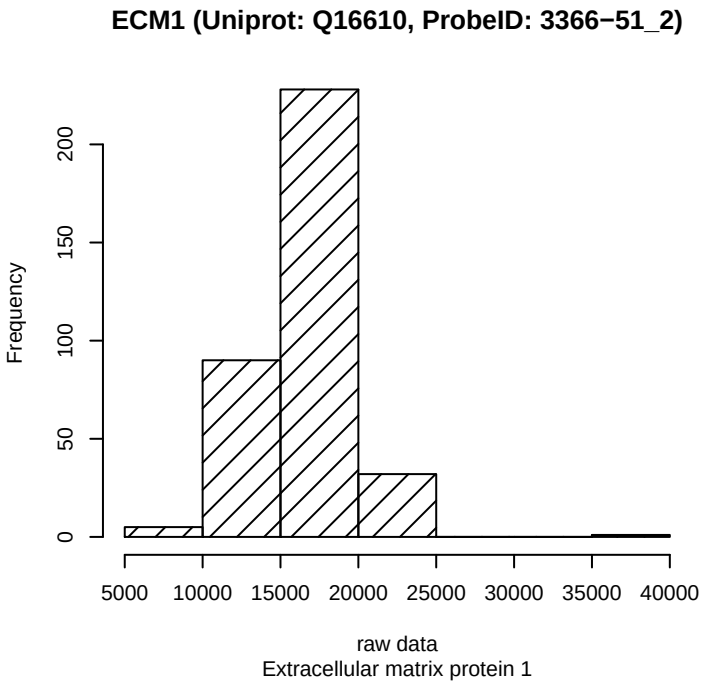


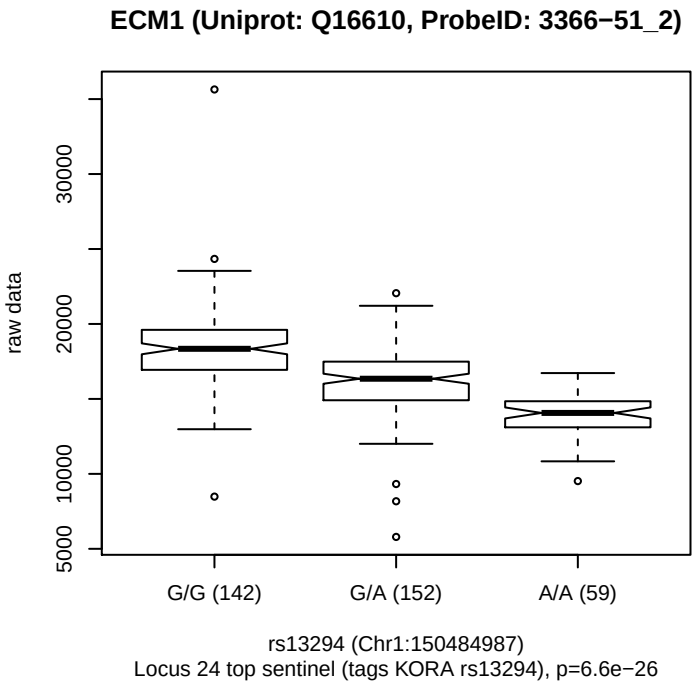
A disintegrin and metalloproteinase with thrombospondin motifs 5

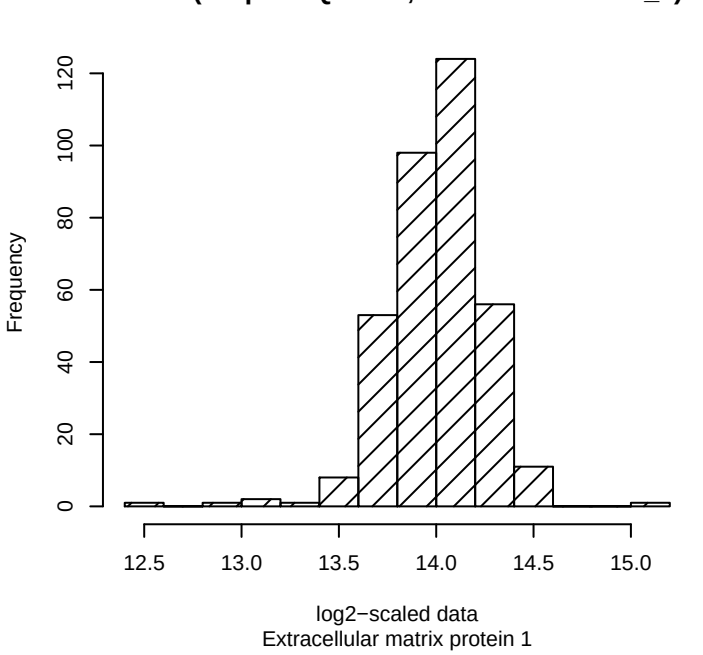
ADAMTS−5 (Uniprot: Q9UNA0, ProbeID: 3168−8_2)

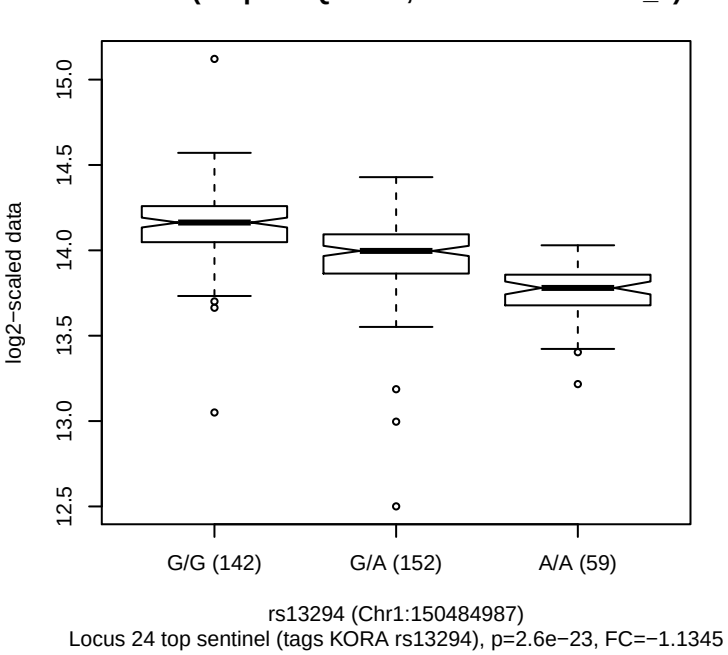


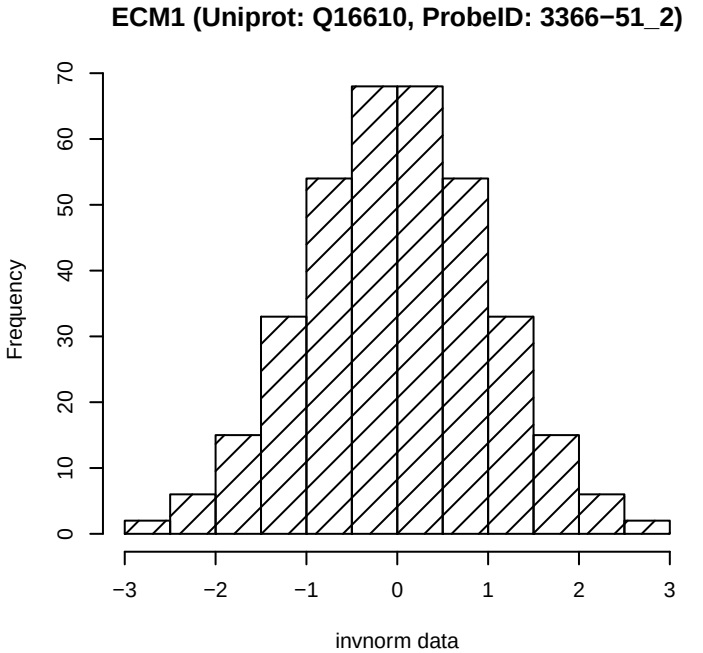
rs2830586 (Chr21:28305477)
Locus 23 top sentinel (tags KORA rs2830585), p=1.4e−06

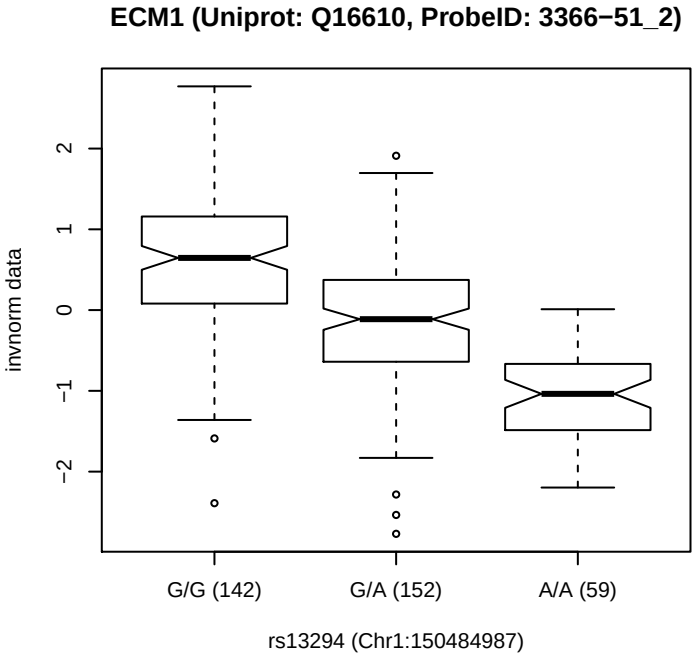

ECM1 (Uniprot: Q16610, ProbeID: 3366−51_2)
Frequency
0
50
100
150
200
5000
10000
15000
20000
25000
30000
35000
40000
raw data
Extracellular matrix protein 1

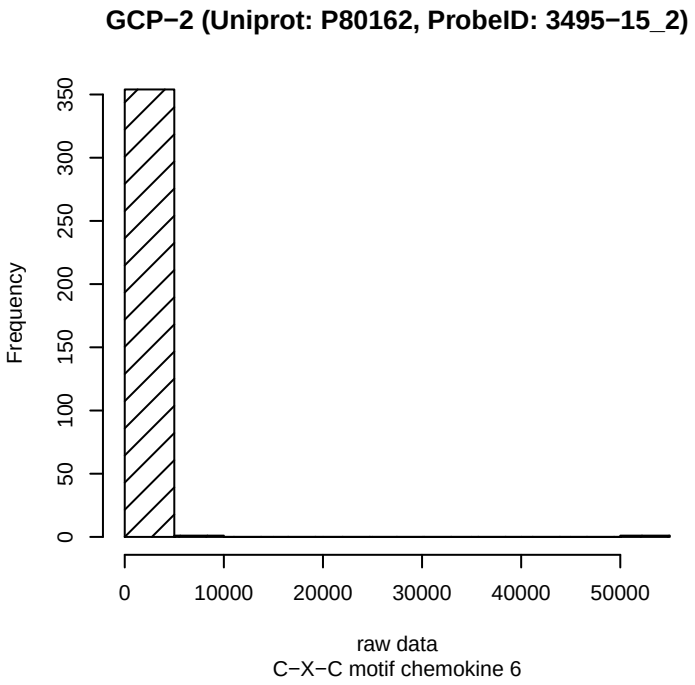

ECM1 (Uniprot: Q16610, ProbeID: 3366−51_2)
raw data
5000
10000
20000
30000
G/G (142)
G/A (152)
A/A (59)
rs13294 (Chr1:150484987)
Locus 24 top sentinel (tags KORA rs13294), p=6.6e−26

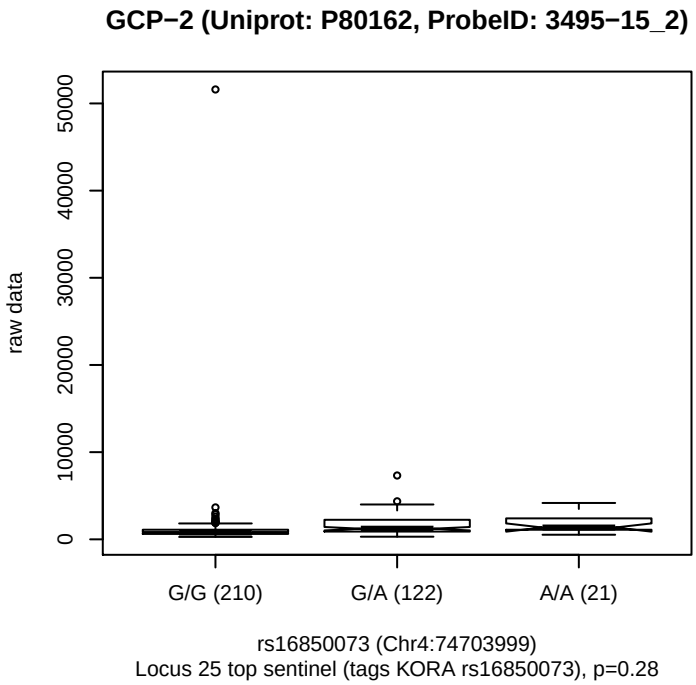

ECM1 (Uniprot: Q16610, ProbeID: 3366−51_2)
Frequency
0
20
40
60
80
100
120
12.5
13.0
13.5
14.0
14.5
15.0
log2−scaled data
Extracellular matrix protein 1

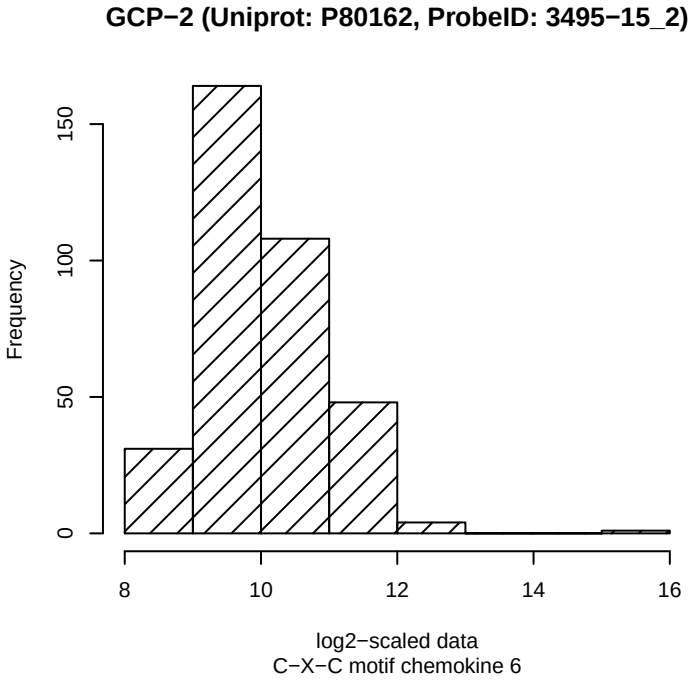

ECM1 (Uniprot: Q16610, ProbeID: 3366−51_2)
log2−scaled data
12.5
13.0
13.5
14.0
14.5
15.0
G/G (142)
G/A (152)
A/A (59)
rs13294 (Chr1:150484987)
Locus 24 top sentinel (tags KORA rs13294), p=2.6e−23, FC=−1.1345

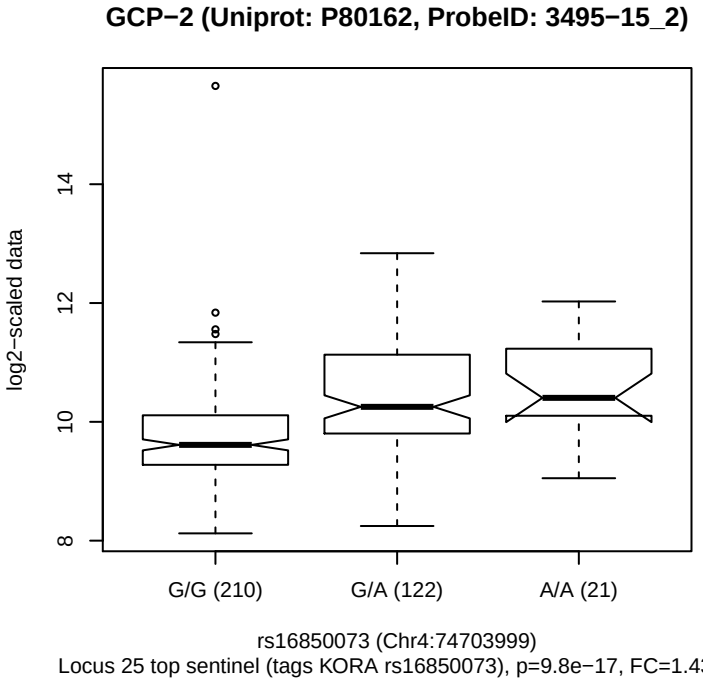

ECM1 (Uniprot: Q16610, ProbeID: 3366−51_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Extracellular matrix protein 1

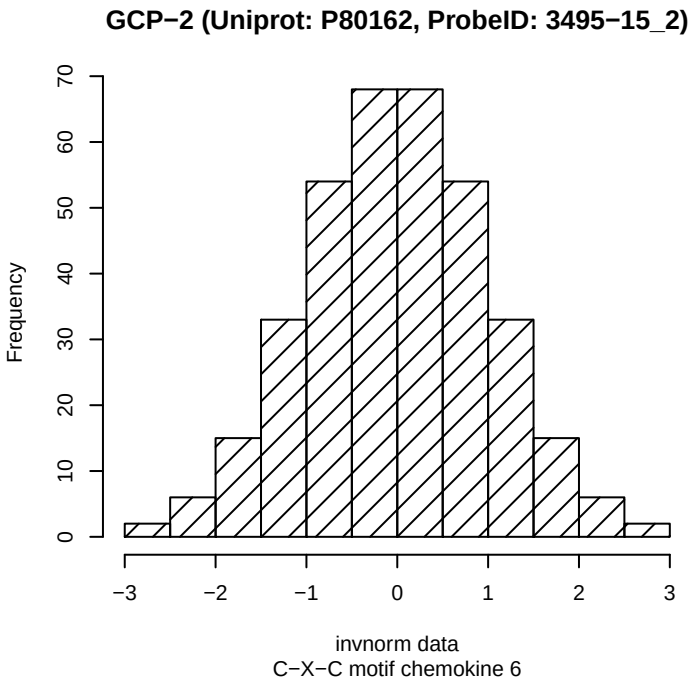

ECM1 (Uniprot: Q16610, ProbeID: 3366−51_2)
invnorm data
−2
−1
0
1
2
G/G (142)
G/A (152)
A/A (59)
rs13294 (Chr1:150484987)
Locus 24 top sentinel (tags KORA rs13294), p=3.9e−30

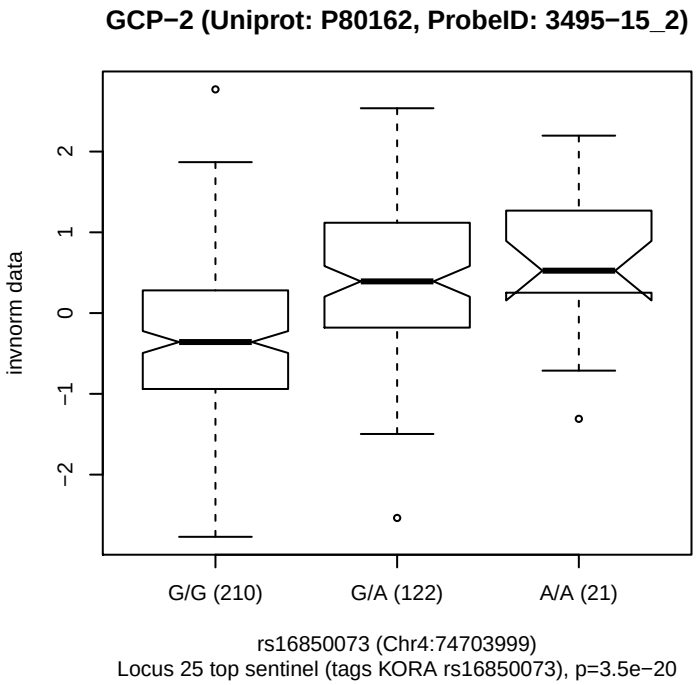

GCP−2 (Uniprot: P80162, ProbeID: 3495−15_2)
Frequency
0
50
100
150
200
250
300
350
0
10000
20000
30000
40000
50000
raw data
C−X−C motif chemokine 6

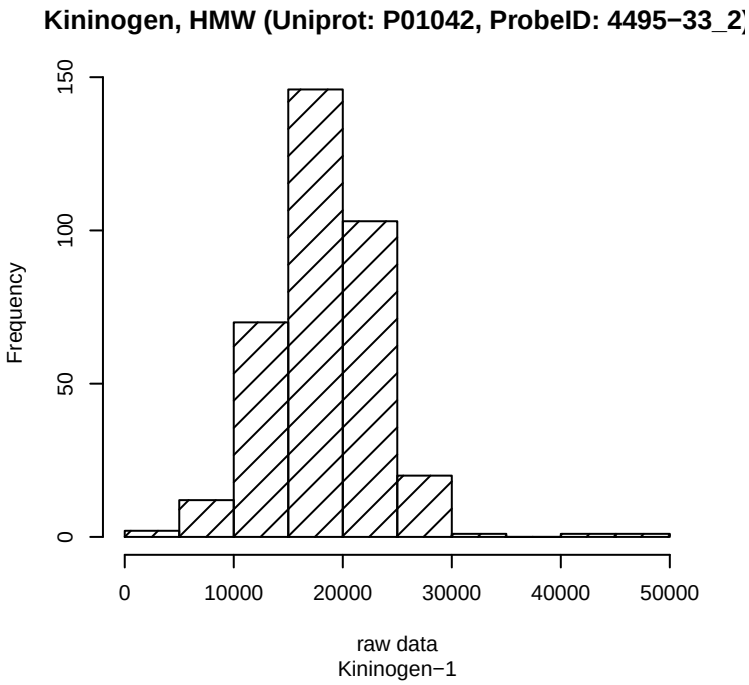

GCP−2 (Uniprot: P80162, ProbeID: 3495−15_2)
raw data
0
10000
20000
30000
40000
50000
G/G (210)
G/A (122)
A/A (21)
rs16850073 (Chr4:74703999)
Locus 25 top sentinel (tags KORA rs16850073), p=0.28

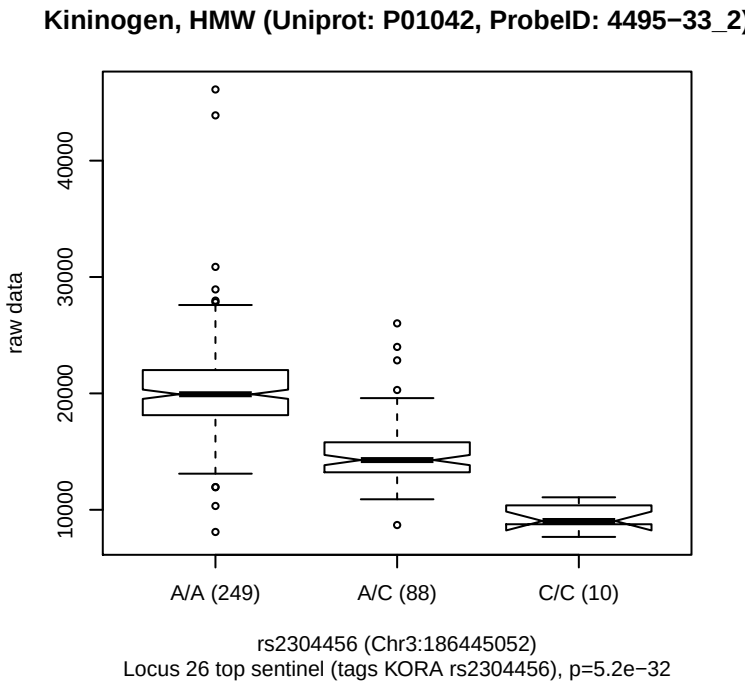

GCP−2 (Uniprot: P80162, ProbeID: 3495−15_2)
Frequency
0
50
100
150
8
10
12
14
16
log2−scaled data
C−X−C motif chemokine 6

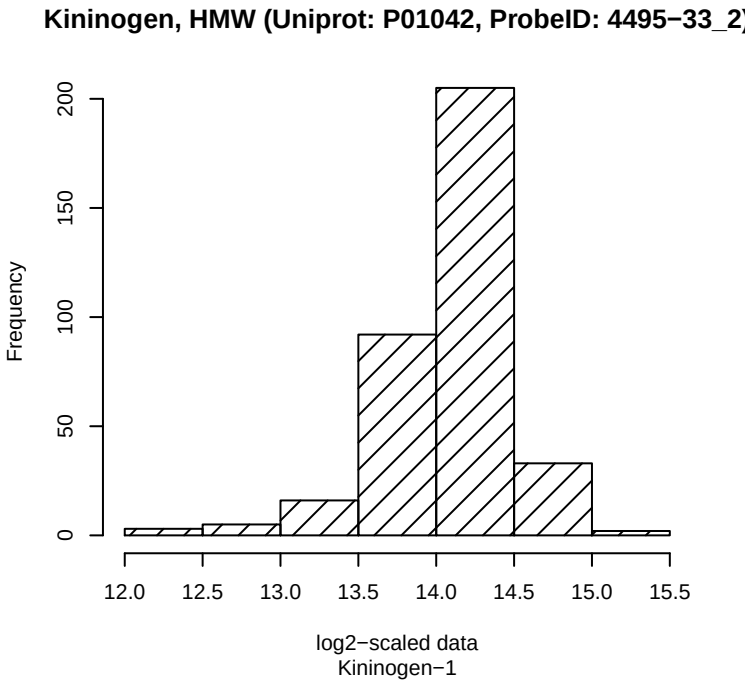

GCP−2 (Uniprot: P80162, ProbeID: 3495−15_2)
log2−scaled data
8
10
12
14
G/G (210)
G/A (122)
A/A (21)
rs16850073 (Chr4:74703999)
Locus 25 top sentinel (tags KORA rs16850073), p=9.8e−17, FC=1.4338

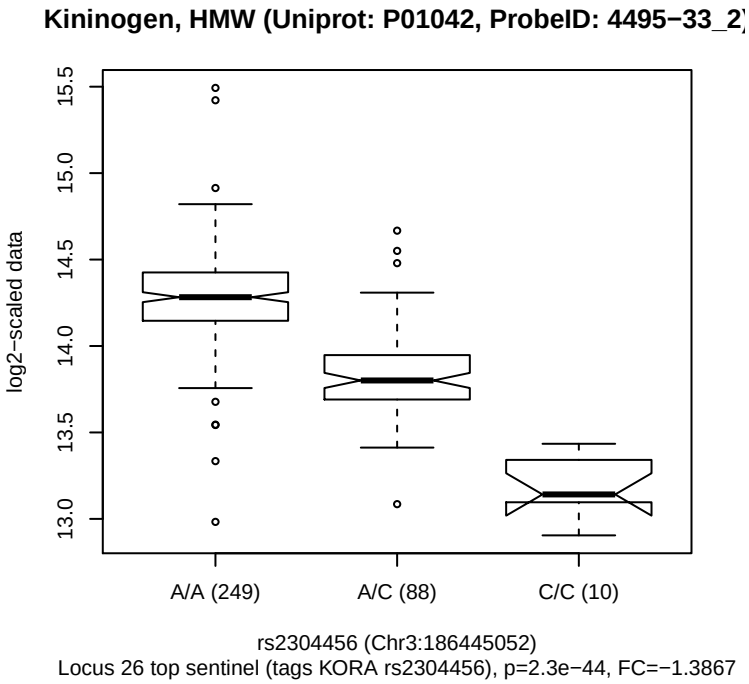

GCP−2 (Uniprot: P80162, ProbeID: 3495−15_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
C−X−C motif chemokine 6

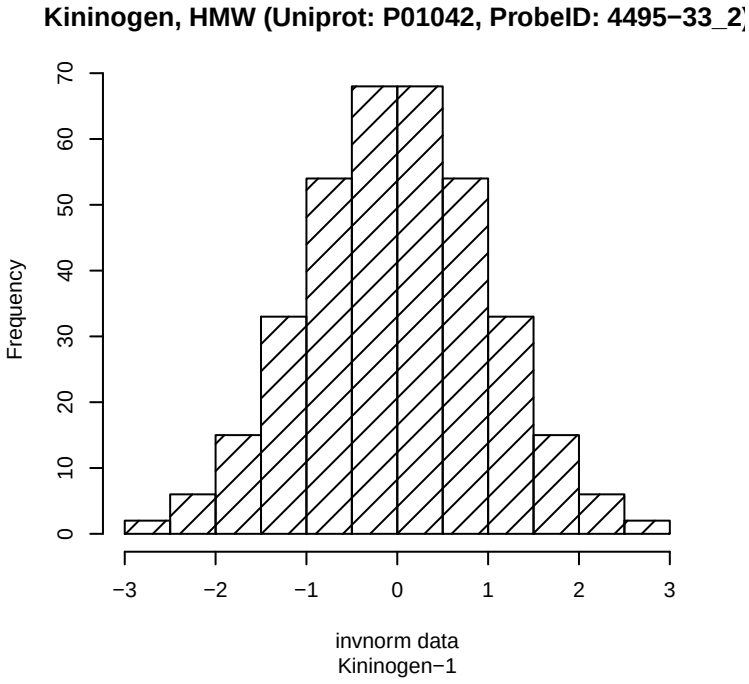

GCP−2 (Uniprot: P80162, ProbeID: 3495−15_2)
invnorm data
−2
−1
0
1
2
G/G (210)
G/A (122)
A/A (21)
rs16850073 (Chr4:74703999)
Locus 25 top sentinel (tags KORA rs16850073), p=3.5e−20

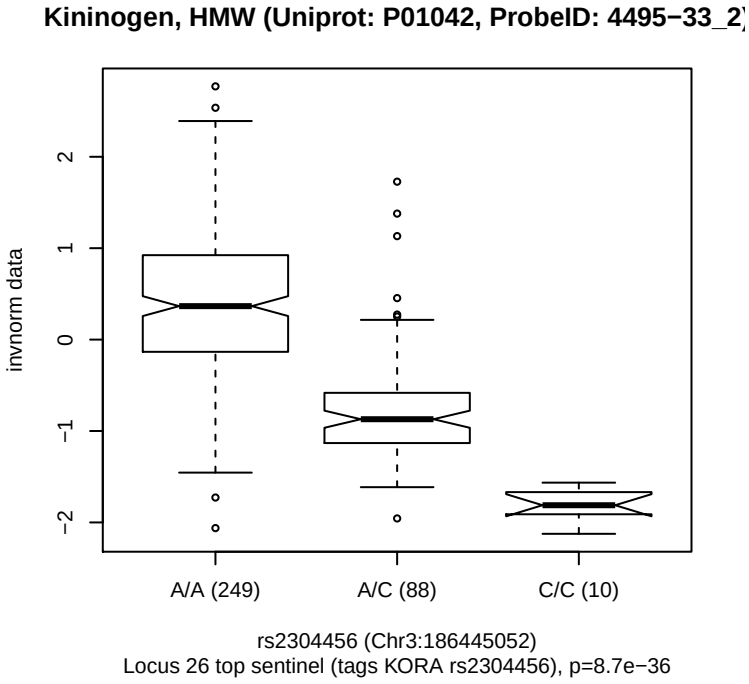

Kininogen, HMW (Uniprot: P01042, ProbeID: 4495−33_2)
Frequency
0
50
100
150
0
10000
20000
30000
40000
50000
raw data
Kininogen−1

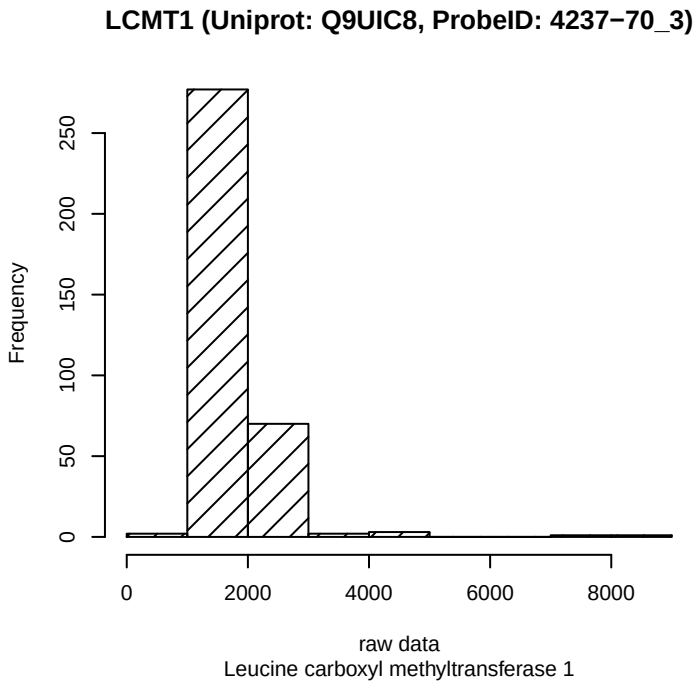

Kininogen, HMW (Uniprot: P01042, ProbeID: 4495−33_2)
raw data
10000
20000
30000
40000
A/A (249)
A/C (88)
C/C (10)
rs2304456 (Chr3:186445052)
Locus 26 top sentinel (tags KORA rs2304456), p=5.2e−32

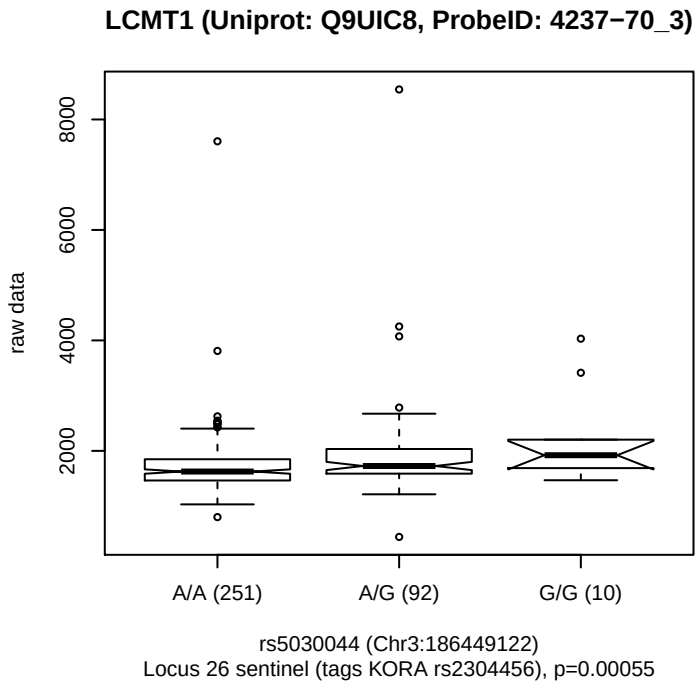

Kininogen, HMW (Uniprot: P01042, ProbeID: 4495−33_2)
Frequency
0
50
100
150
200
12.0
12.5
13.0
13.5
14.0
14.5
15.0
15.5
log2−scaled data
Kininogen−1

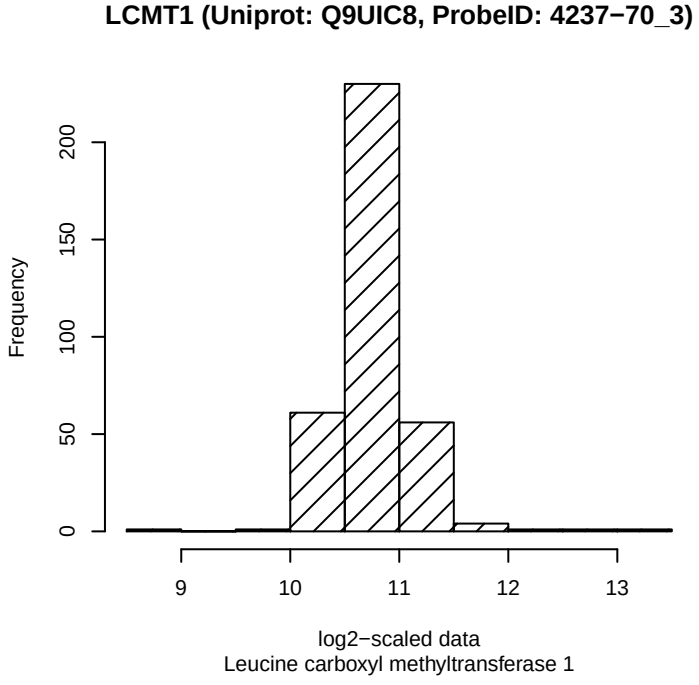

Kininogen, HMW (Uniprot: P01042, ProbeID: 4495−33_2)
log2−scaled data
13.0
13.5
14.0
14.5
15.0
15.5
A/A (249)
A/C (88)
C/C (10)
rs2304456 (Chr3:186445052)
Locus 26 top sentinel (tags KORA rs2304456), p=2.3e−44, FC=−1.3867

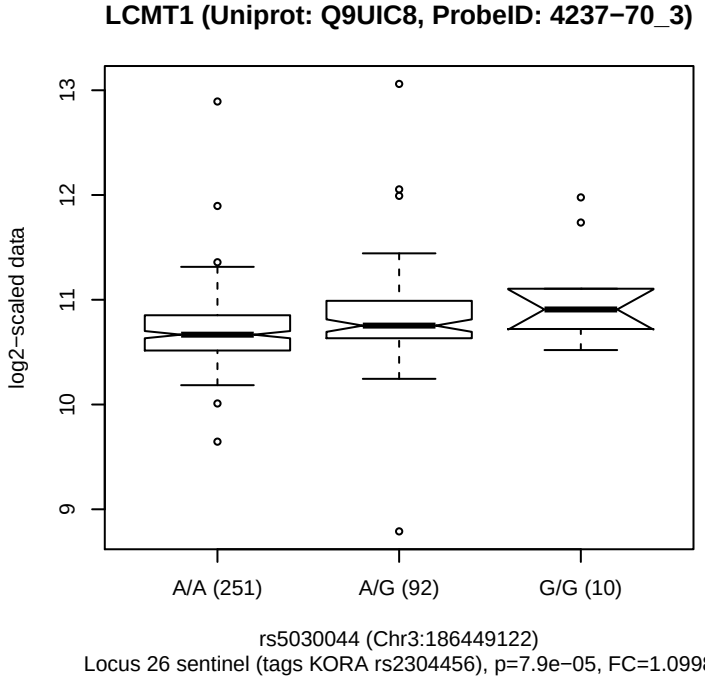

Kininogen, HMW (Uniprot: P01042, ProbeID: 4495−33_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Kininogen−1

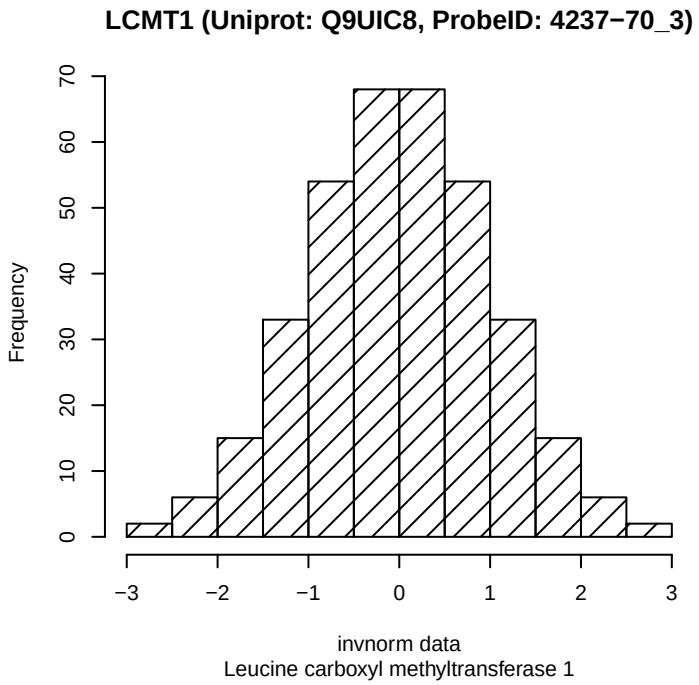

Kininogen, HMW (Uniprot: P01042, ProbeID: 4495−33_2)
invnorm data
−2
−1
0
1
2
A/A (249)
A/C (88)
C/C (10)
rs2304456 (Chr3:186445052)
Locus 26 top sentinel (tags KORA rs2304456), p=8.7e−36

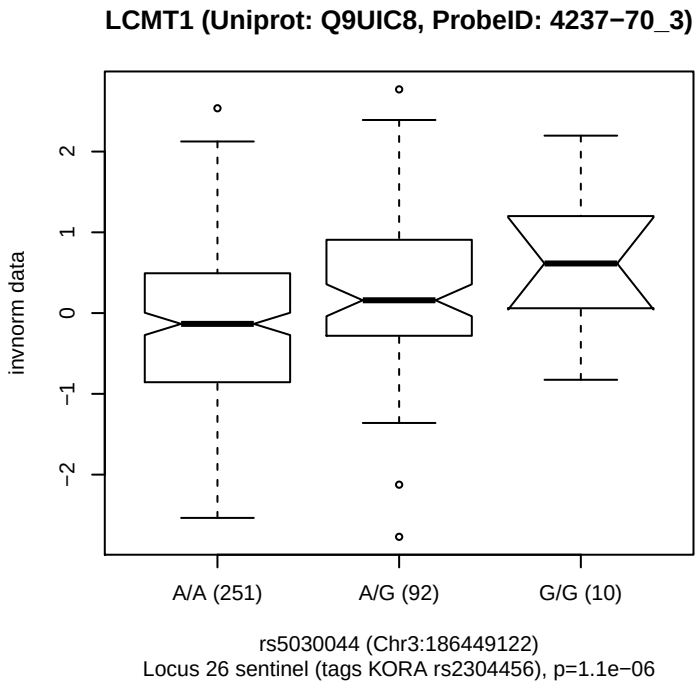

LCMT1 (Uniprot: Q9UIC8, ProbeID: 4237−70_3)
Frequency
0
50
100
150
200
250
0
2000
4000
6000
8000
raw data
Leucine carboxyl methyltransferase 1

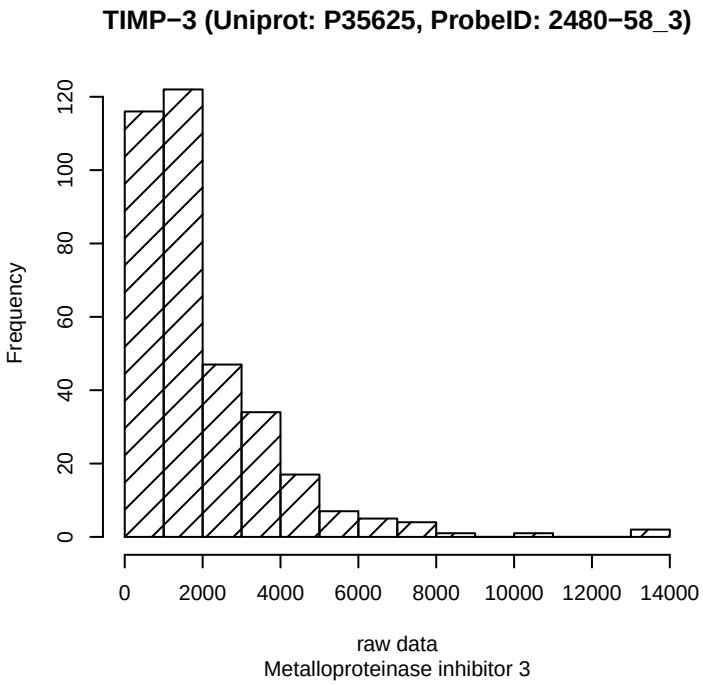

LCMT1 (Uniprot: Q9UIC8, ProbeID: 4237−70_3)
raw data
2000
4000
6000
8000
A/A (251)
A/G (92)
G/G (10)
rs5030044 (Chr3:186449122)
Locus 26 sentinel (tags KORA rs2304456), p=0.00055

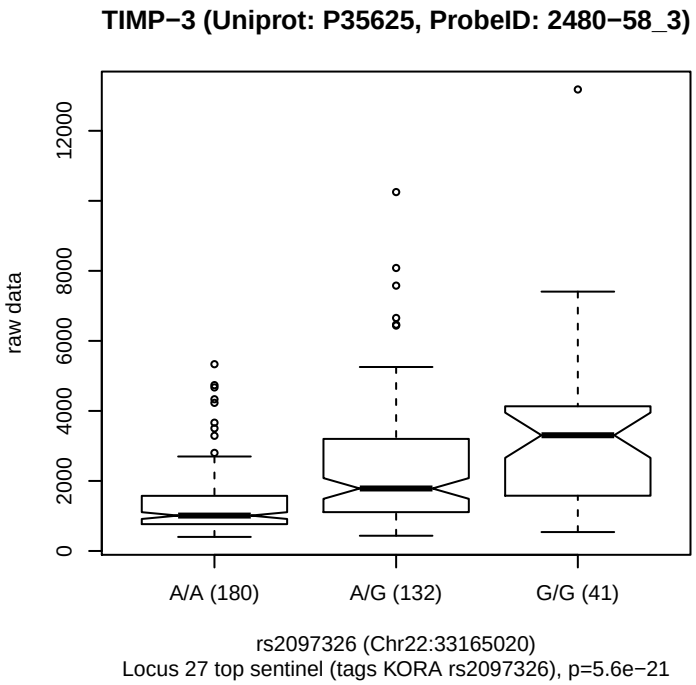

LCMT1 (Uniprot: Q9UIC8, ProbeID: 4237−70_3)
Frequency
0
50
100
150
200
9
10
11
12
13
log2−scaled data
Leucine carboxyl methyltransferase 1

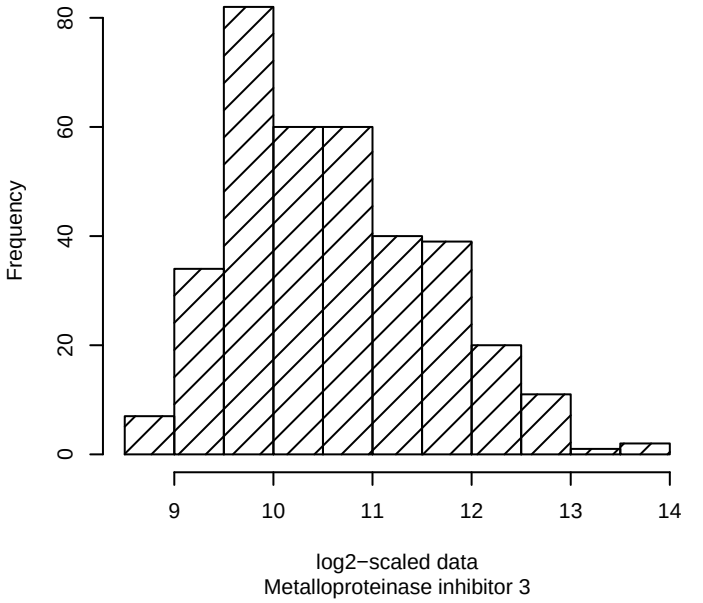

LCMT1 (Uniprot: Q9UIC8, ProbeID: 4237−70_3)
log2−scaled data
9
10
11
12
13
A/A (251)
A/G (92)
G/G (10)
rs5030044 (Chr3:186449122)
Locus 26 sentinel (tags KORA rs2304456), p=7.9e−05, FC=1.0998

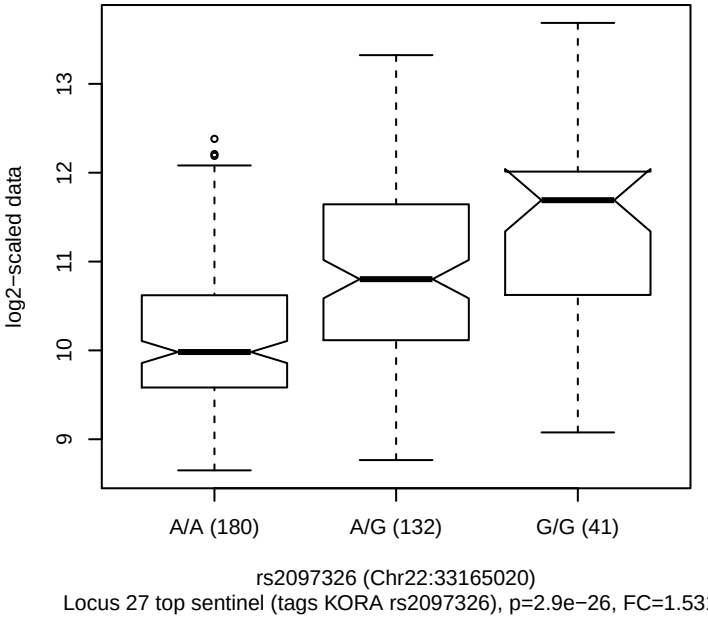

LCMT1 (Uniprot: Q9UIC8, ProbeID: 4237−70_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Leucine carboxyl methyltransferase 1

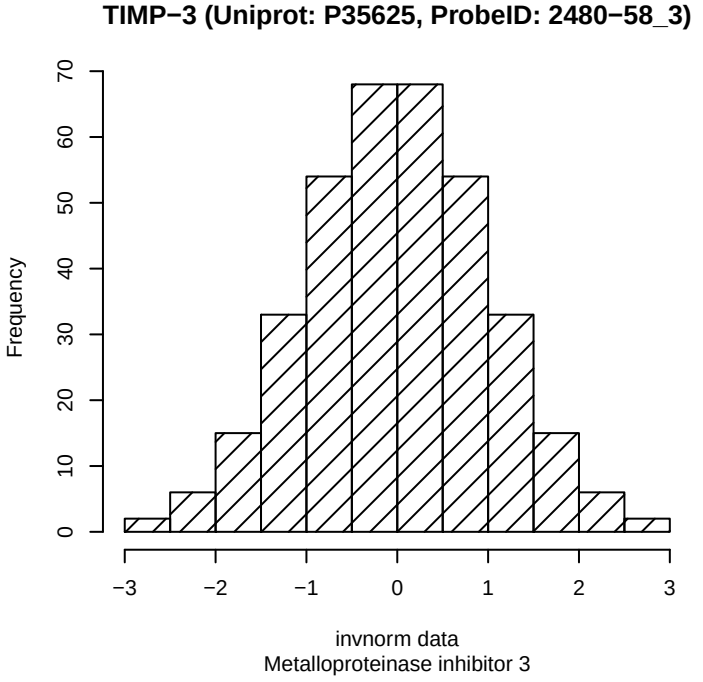

LCMT1 (Uniprot: Q9UIC8, ProbeID: 4237−70_3)
invnorm data
−2
−1
0
1
2
A/A (251)
A/G (92)
G/G (10)
rs5030044 (Chr3:186449122)
Locus 26 sentinel (tags KORA rs2304456), p=1.1e−06

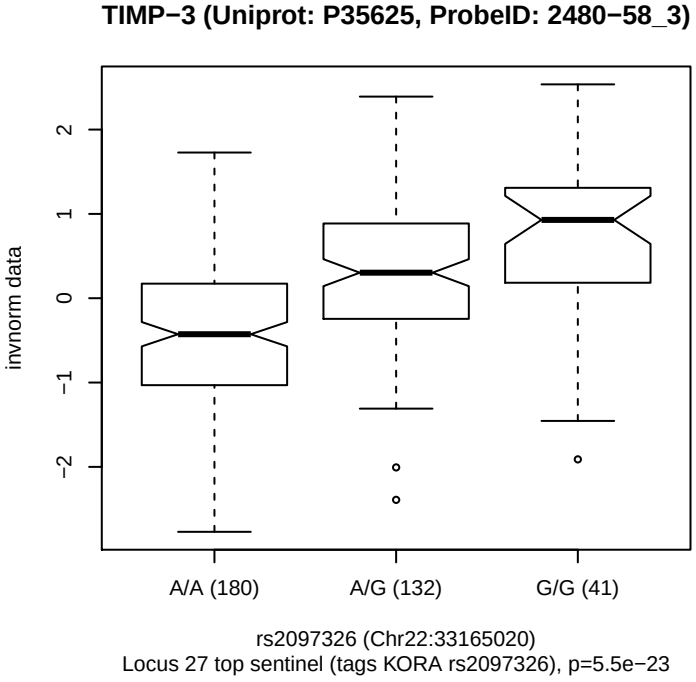

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
Frequency
0
20
40
60
80
100
120
0
2000
4000
6000
8000
10000
12000
14000
raw data
Metalloproteinase inhibitor 3

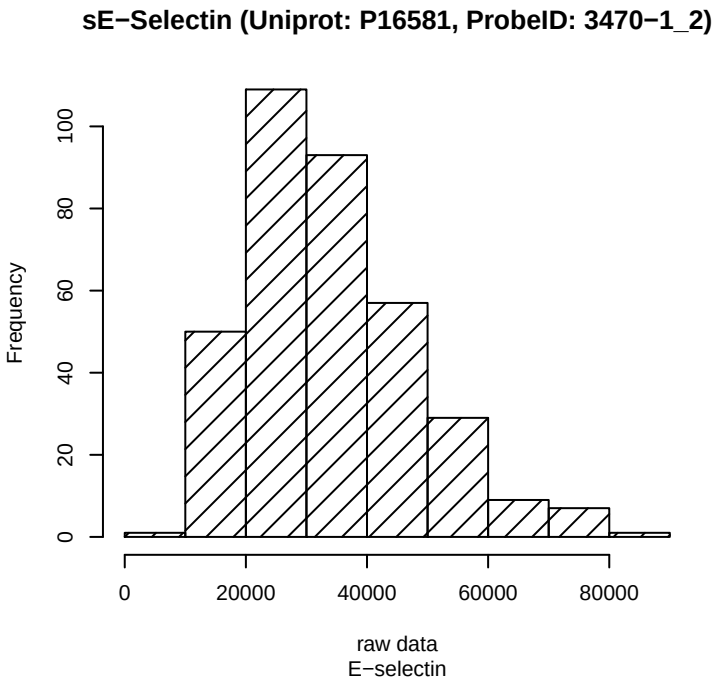

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
raw data
0
2000
4000
6000
8000
12000
A/A (180)
A/G (132)
G/G (41)
rs2097326 (Chr22:33165020)
Locus 27 top sentinel (tags KORA rs2097326), p=5.6e−21

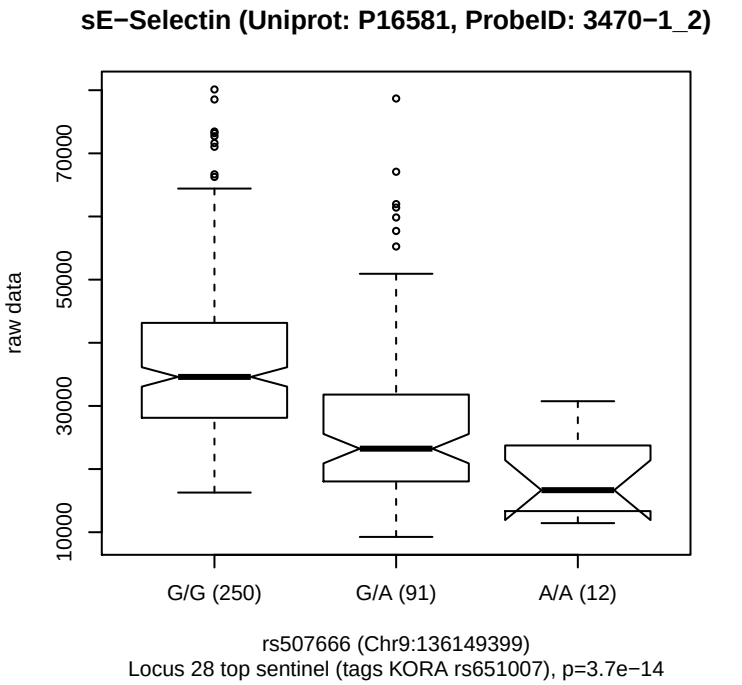

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
Frequency
0
20
40
60
80
9
10
11
12
13
14
log2−scaled data
Metalloproteinase inhibitor 3

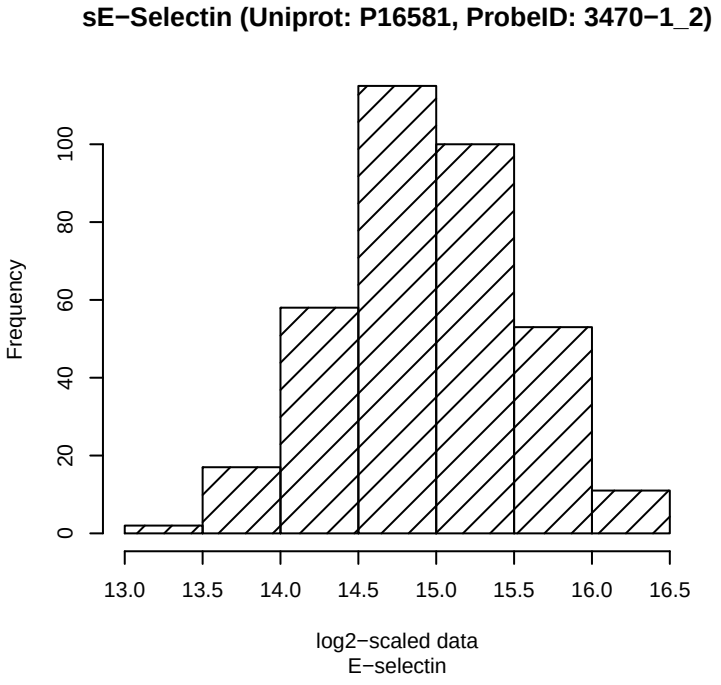

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
log2−scaled data
9
10
11
12
13
A/A (180)
A/G (132)
G/G (41)
rs2097326 (Chr22:33165020)
Locus 27 top sentinel (tags KORA rs2097326), p=2.9e−26, FC=1.5313

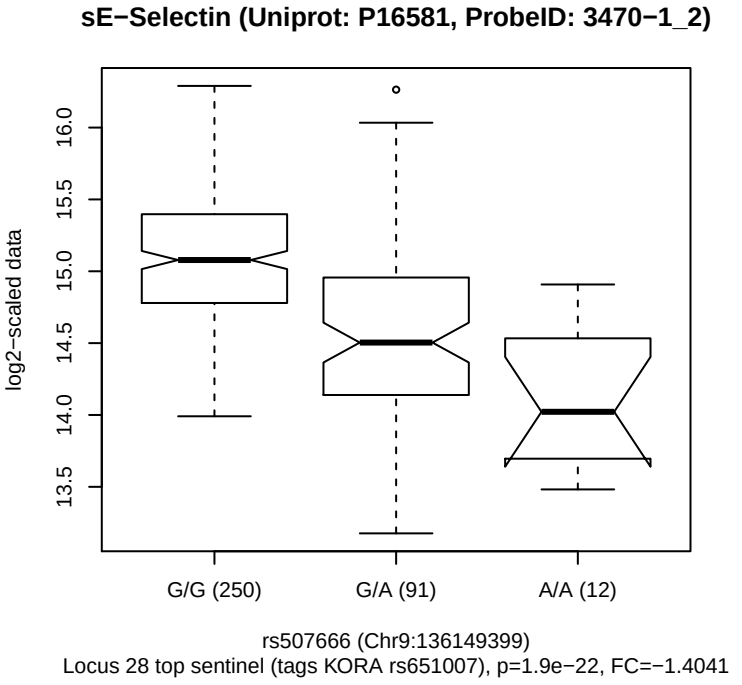

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Metalloproteinase inhibitor 3

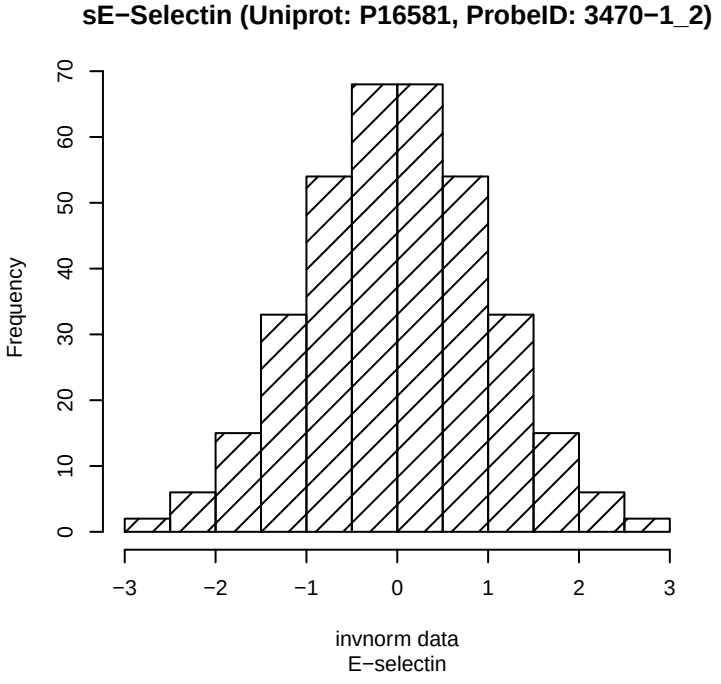

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
invnorm data
−2
−1
0
1
2
A/A (180)
A/G (132)
G/G (41)
rs2097326 (Chr22:33165020)
Locus 27 top sentinel (tags KORA rs2097326), p=5.5e−23

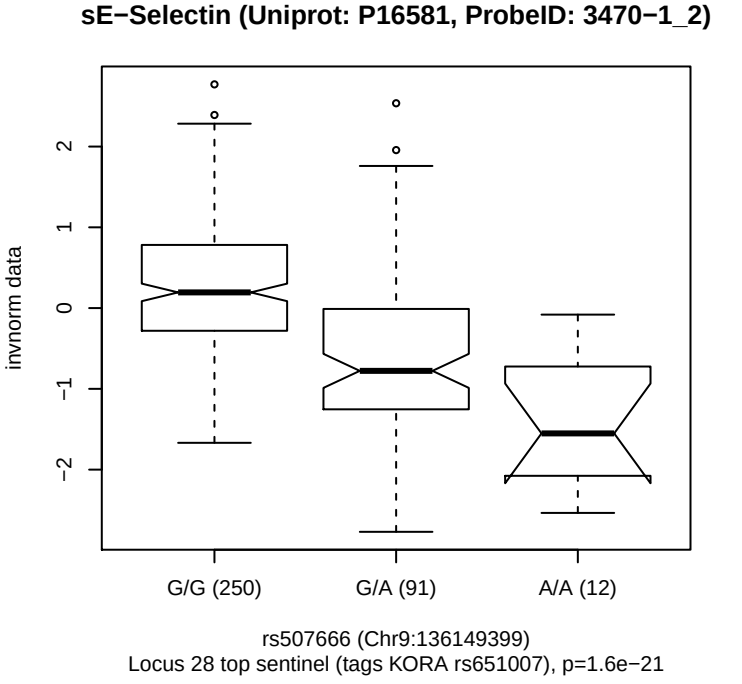

sE−Selectin (Uniprot: P16581, ProbeID: 3470−1_2)
Frequency
0
20
40
60
80
100
0
20000
40000
60000
80000
raw data
E−selectin

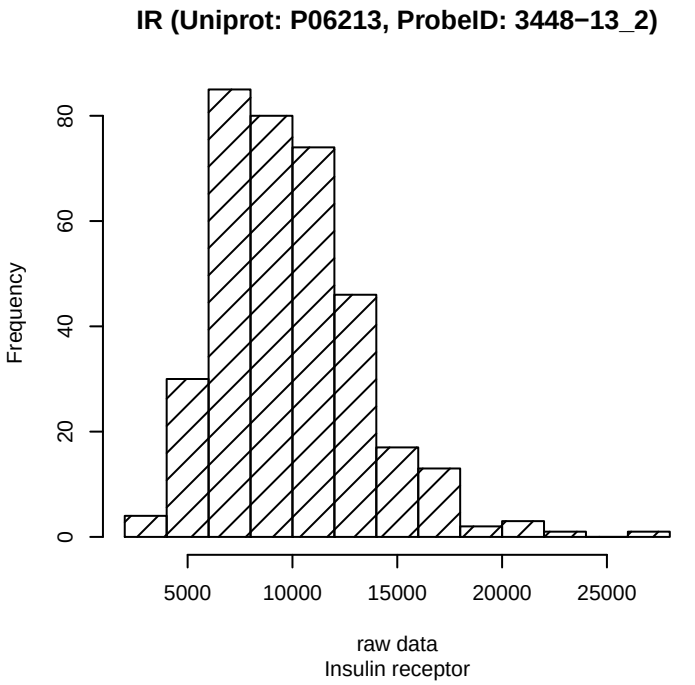

sE−Selectin (Uniprot: P16581, ProbeID: 3470−1_2)
raw data
10000
30000
50000
70000
G/G (250)
G/A (91)
A/A (12)
rs507666 (Chr9:136149399)
Locus 28 top sentinel (tags KORA rs651007), p=3.7e−14

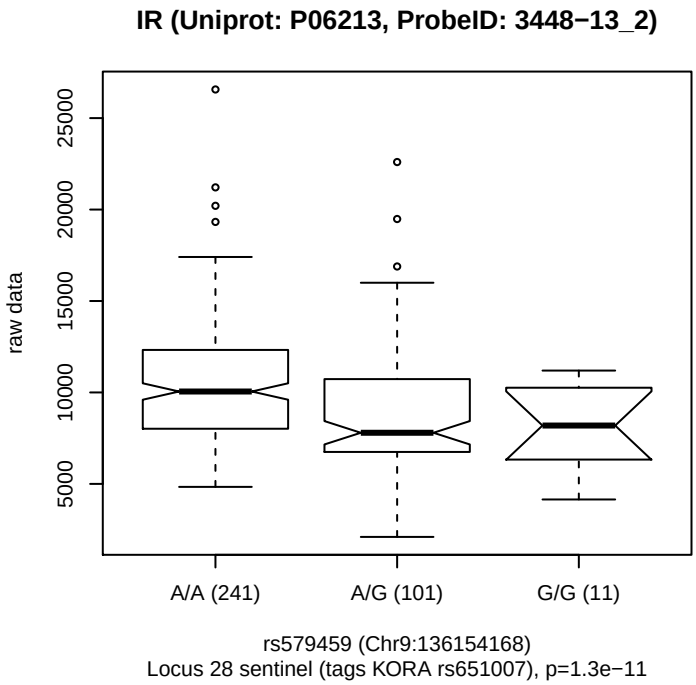

sE−Selectin (Uniprot: P16581, ProbeID: 3470−1_2)
Frequency
0
20
40
60
80
100
13.0
13.5
14.0
14.5
15.0
15.5
16.0
16.5
log2−scaled data
E−selectin

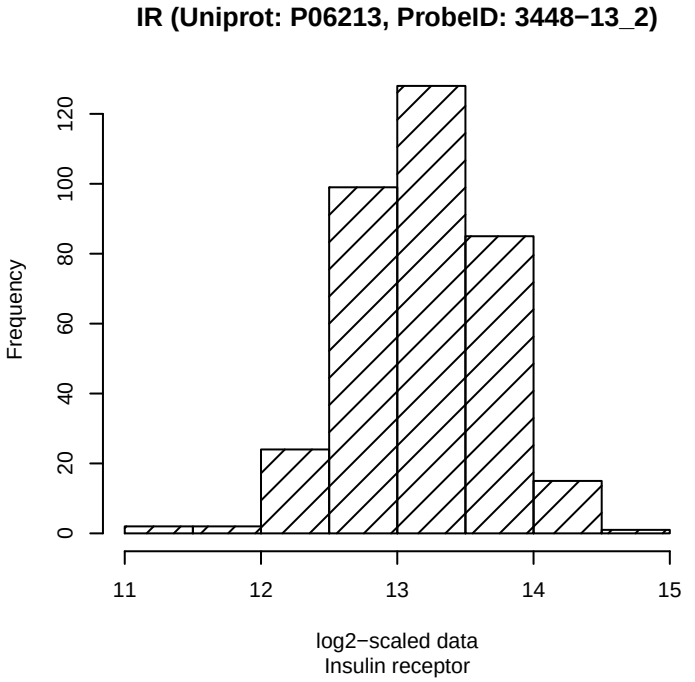

sE−Selectin (Uniprot: P16581, ProbeID: 3470−1_2)
log2−scaled data
13.5
14.0
14.5
15.0
15.5
16.0
G/G (250)
G/A (91)
A/A (12)
rs507666 (Chr9:136149399)
Locus 28 top sentinel (tags KORA rs651007), p=1.9e−22, FC=−1.4041

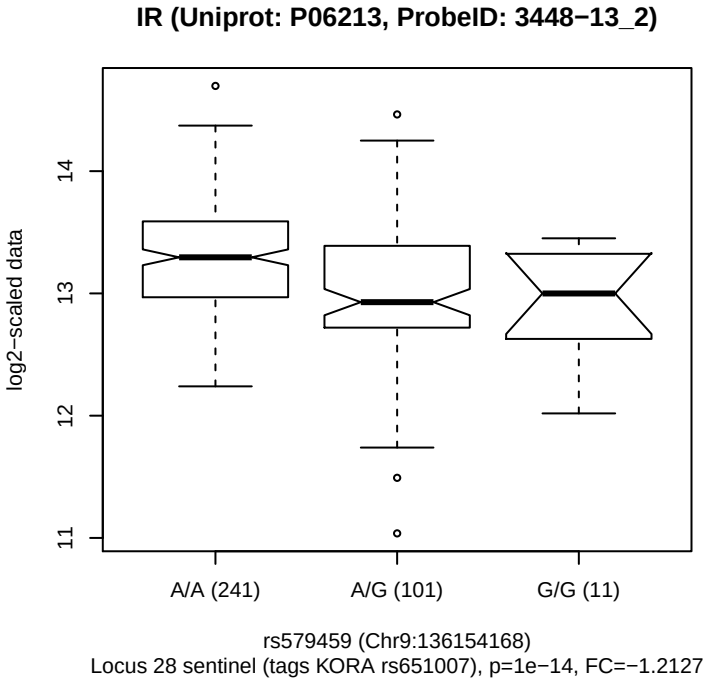

sE−Selectin (Uniprot: P16581, ProbeID: 3470−1_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
E−selectin

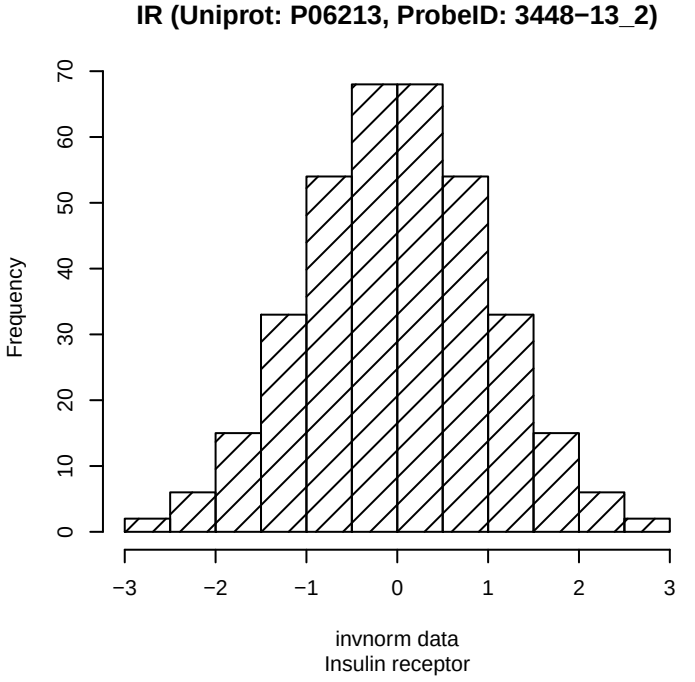

sE−Selectin (Uniprot: P16581, ProbeID: 3470−1_2)
invnorm data
−2
−1
0
1
2
G/G (250)
G/A (91)
A/A (12)
rs507666 (Chr9:136149399)
Locus 28 top sentinel (tags KORA rs651007), p=1.6e−21

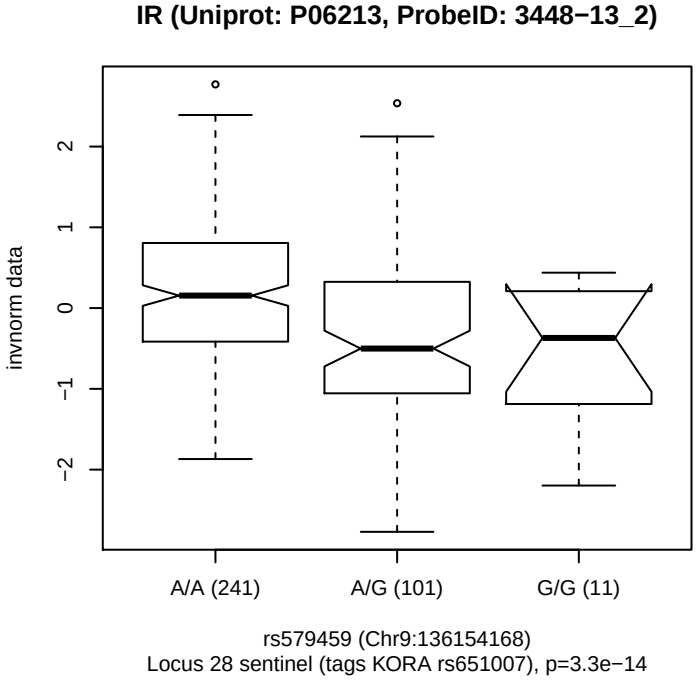

IR (Uniprot: P06213, ProbeID: 3448−13_2)
Frequency
0
20
40
60
80
5000
10000
15000
20000
25000
raw data
Insulin receptor

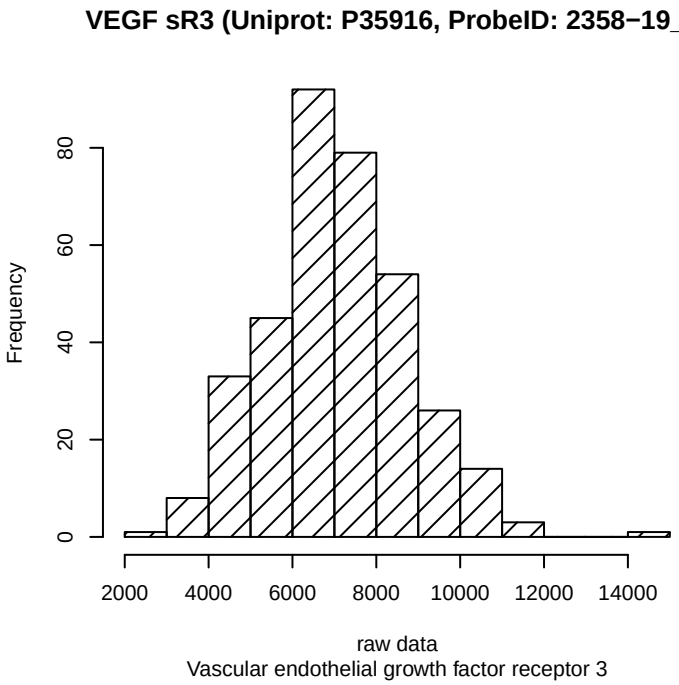

IR (Uniprot: P06213, ProbeID: 3448−13_2)
raw data
5000
10000
15000
20000
25000
A/A (241)
A/G (101)
G/G (11)
rs579459 (Chr9:136154168)
Locus 28 sentinel (tags KORA rs651007), p=1.3e−11

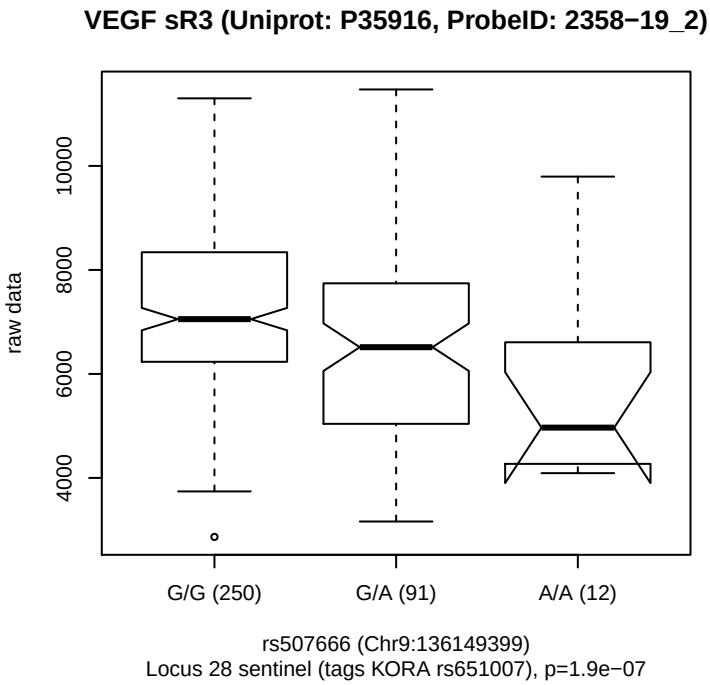

IR (Uniprot: P06213, ProbeID: 3448−13_2)
Frequency
0
20
40
60
80
100
120
11
12
13
14
15
log2−scaled data
Insulin receptor

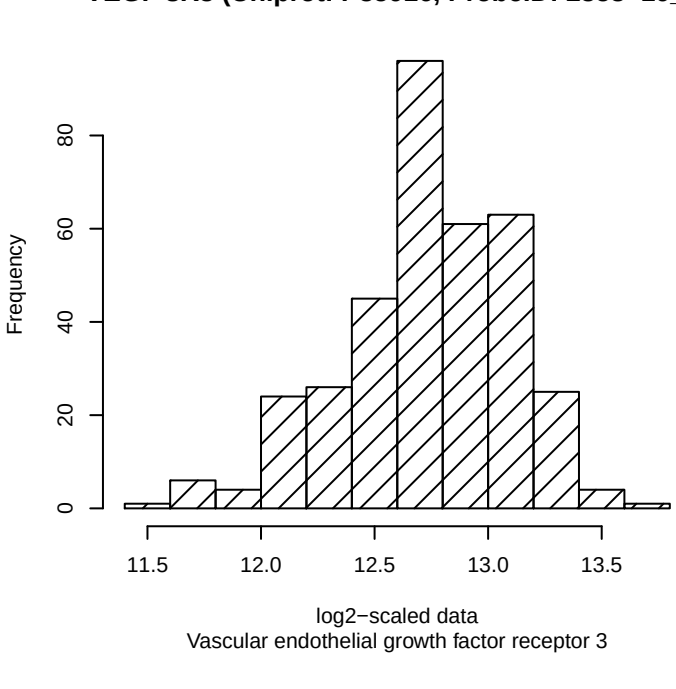

IR (Uniprot: P06213, ProbeID: 3448−13_2)
log2−scaled data
11
12
13
14
A/A (241)
A/G (101)
G/G (11)
rs579459 (Chr9:136154168)
Locus 28 sentinel (tags KORA rs651007), p=1e−14, FC=−1.2127

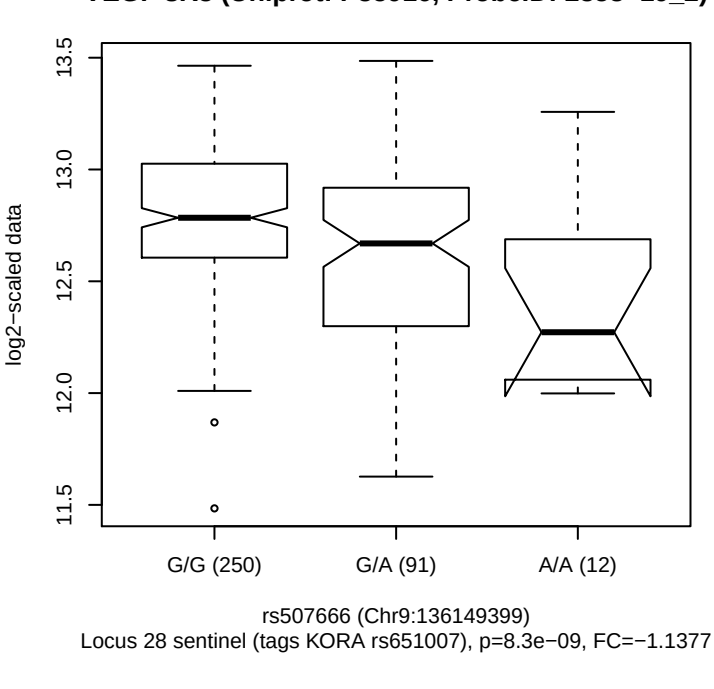

IR (Uniprot: P06213, ProbeID: 3448−13_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Insulin receptor

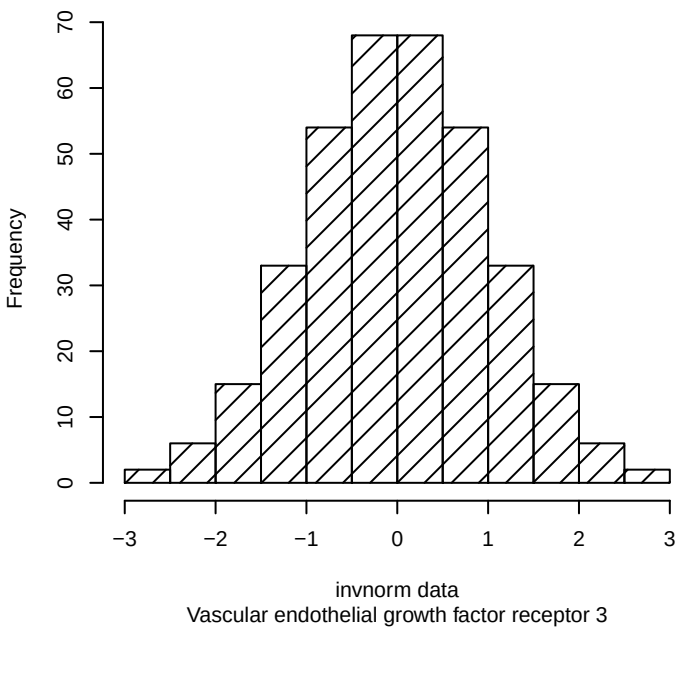

IR (Uniprot: P06213, ProbeID: 3448−13_2)
invnorm data
−2
−1
0
1
2
A/A (241)
A/G (101)
G/G (11)
rs579459 (Chr9:136154168)
Locus 28 sentinel (tags KORA rs651007), p=3.3e−14

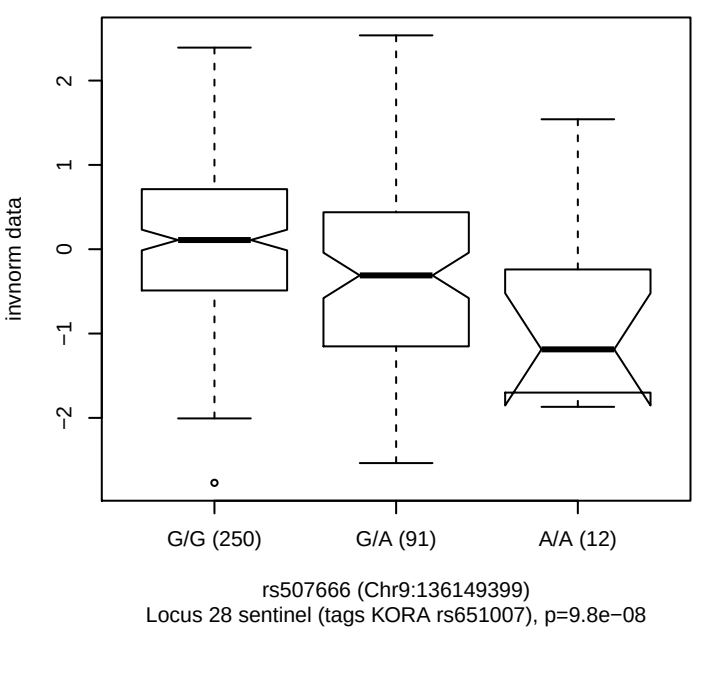

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
Frequency
0
20
40
60
80
2000
4000
6000
8000
10000
12000
14000
raw data
Vascular endothelial growth factor receptor 3


VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
raw data
4000
6000
8000
10000
G/G (250)
G/A (91)
A/A (12)
rs507666 (Chr9:136149399)
Locus 28 sentinel (tags KORA rs651007), p=1.9e−07

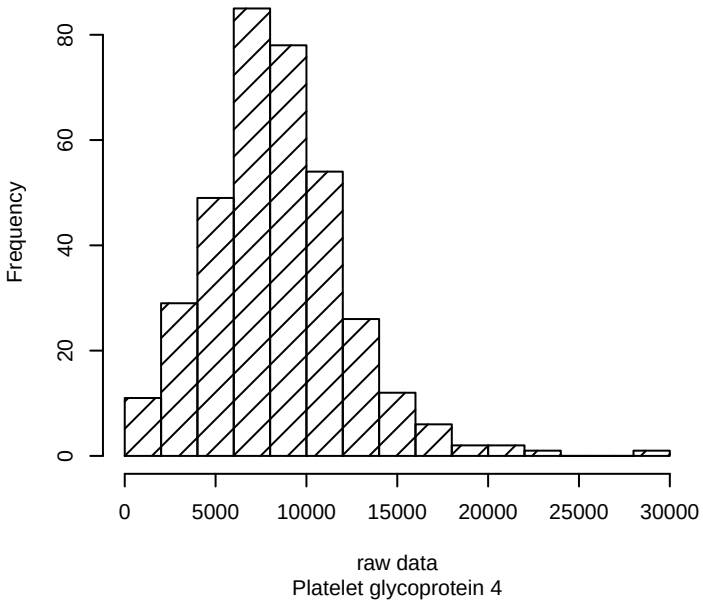

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
Frequency
0
20
40
60
80
11.5
12.0
12.5
13.0
13.5
log2−scaled data
Vascular endothelial growth factor receptor 3


VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
log2−scaled data
11.5
12.0
12.5
13.0
13.5
G/G (250)
G/A (91)
A/A (12)
rs507666 (Chr9:136149399)
Locus 28 sentinel (tags KORA rs651007), p=8.3e−09, FC=−1.1377

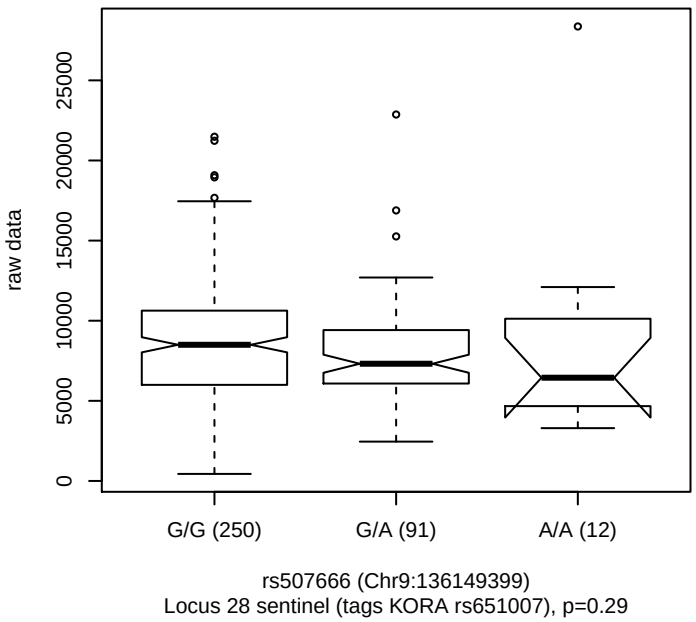

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Vascular endothelial growth factor receptor 3


VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
invnorm data
−2
−1
0
1
2
G/G (250)
G/A (91)
A/A (12)
rs507666 (Chr9:136149399)
Locus 28 sentinel (tags KORA rs651007), p=9.8e−08

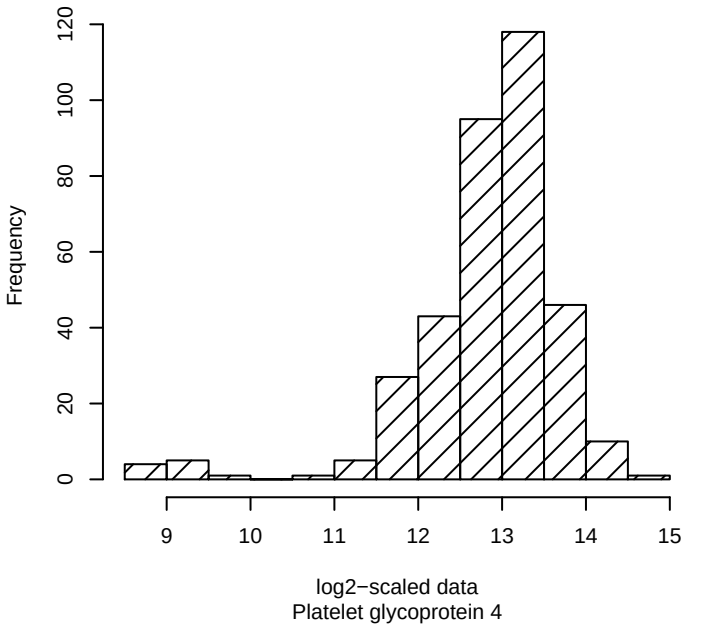
CD36 ANTIGEN (Uniprot: P16671, ProbeID: 2973−15_2)



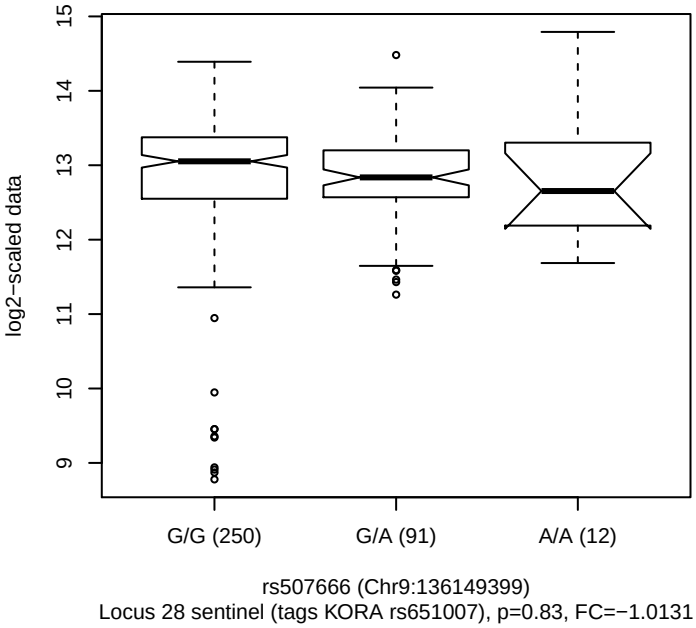
CD36 ANTIGEN (Uniprot: P16671, ProbeID: 2973−15_2)



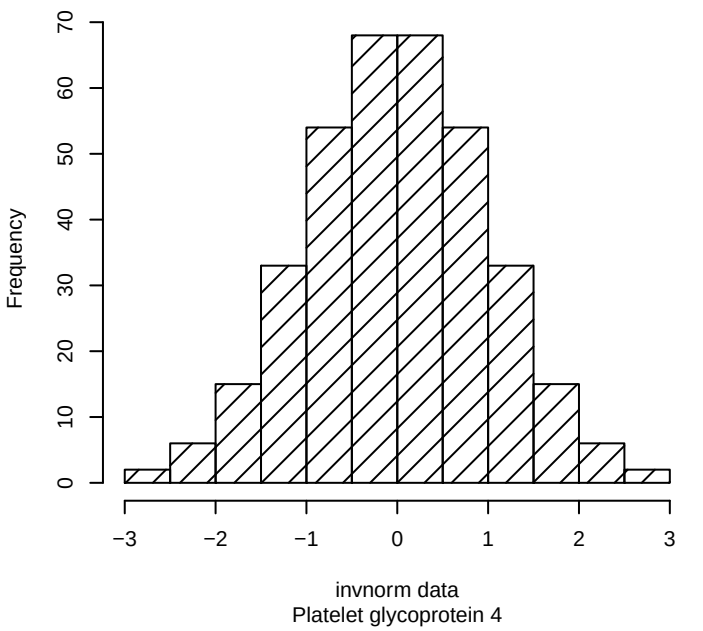
CD36 ANTIGEN (Uniprot: P16671, ProbeID: 2973−15_2)



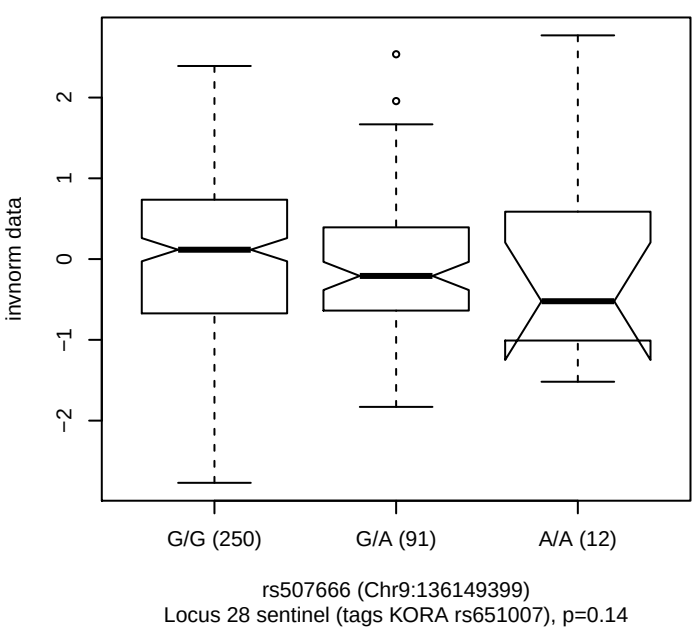
CD36 ANTIGEN (Uniprot: P16671, ProbeID: 2973−15_2)

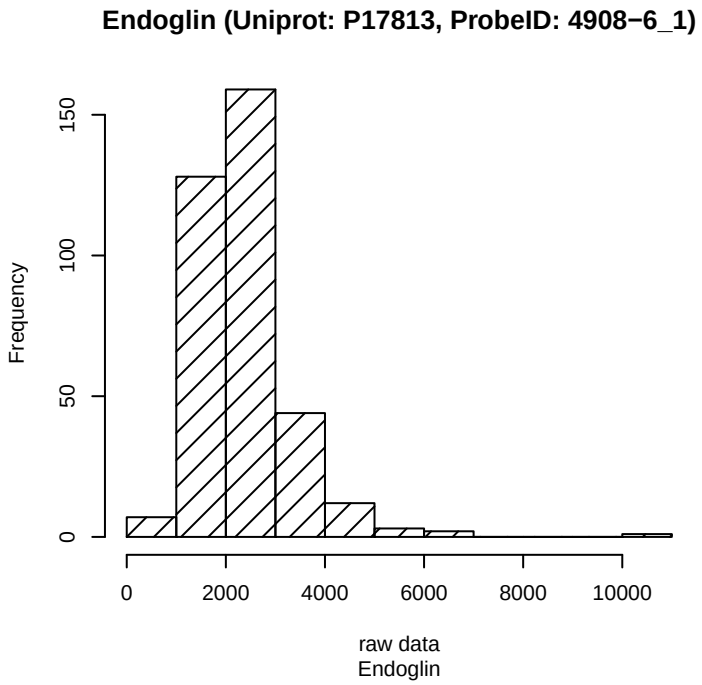


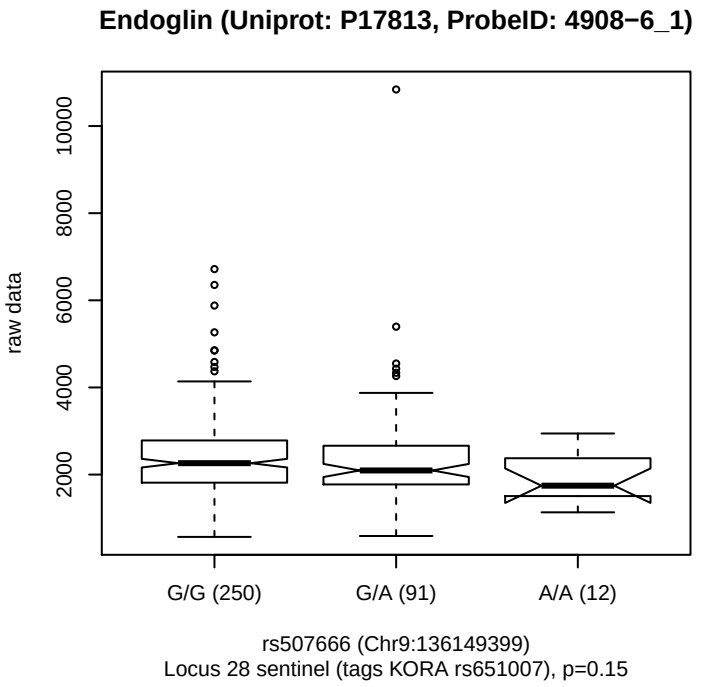
CD36 ANTIGEN (Uniprot: P16671, ProbeID: 2973−15_2)

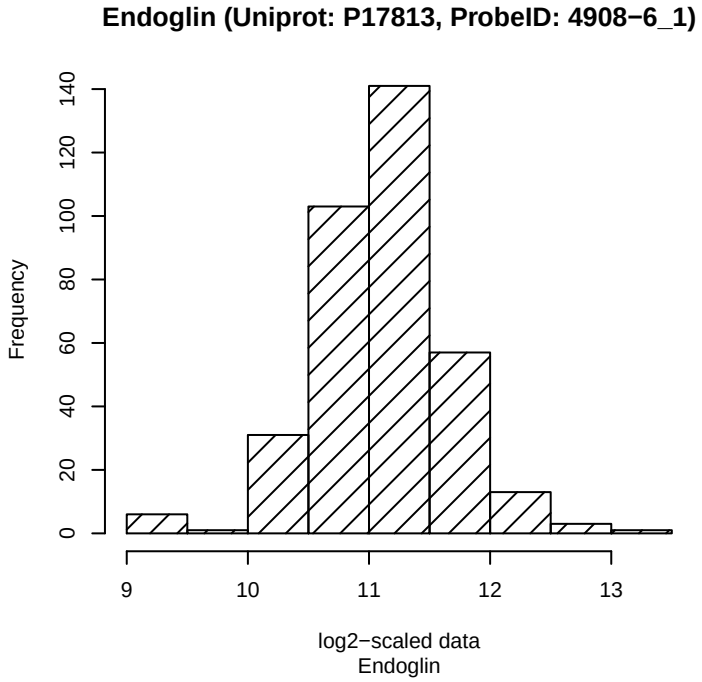


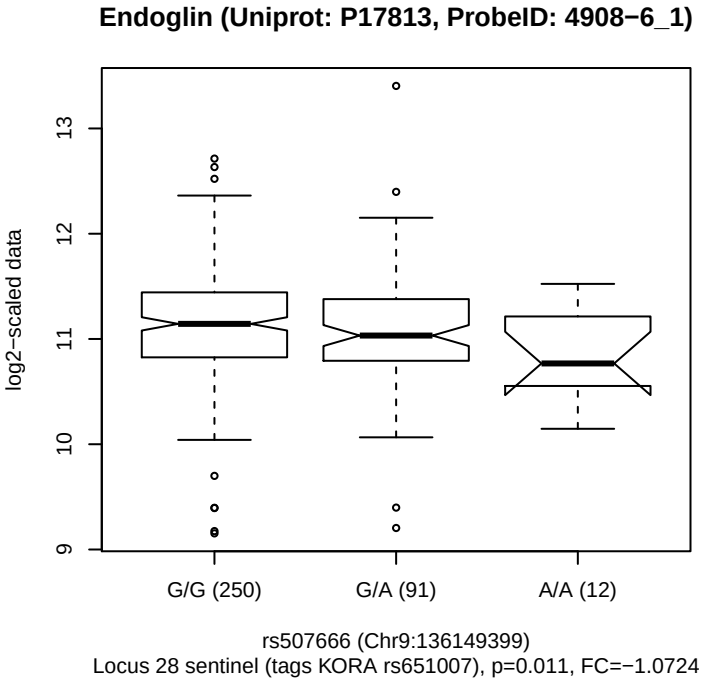
CD36 ANTIGEN (Uniprot: P16671, ProbeID: 2973−15_2)

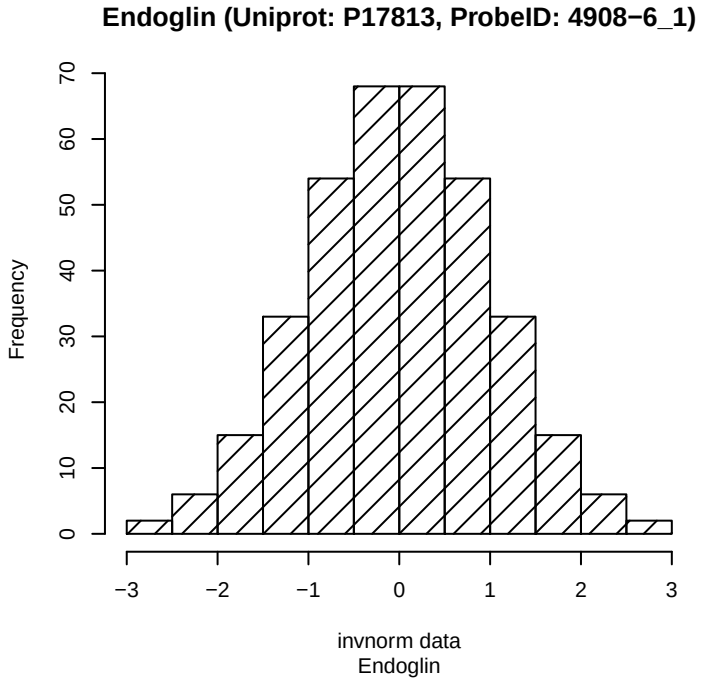


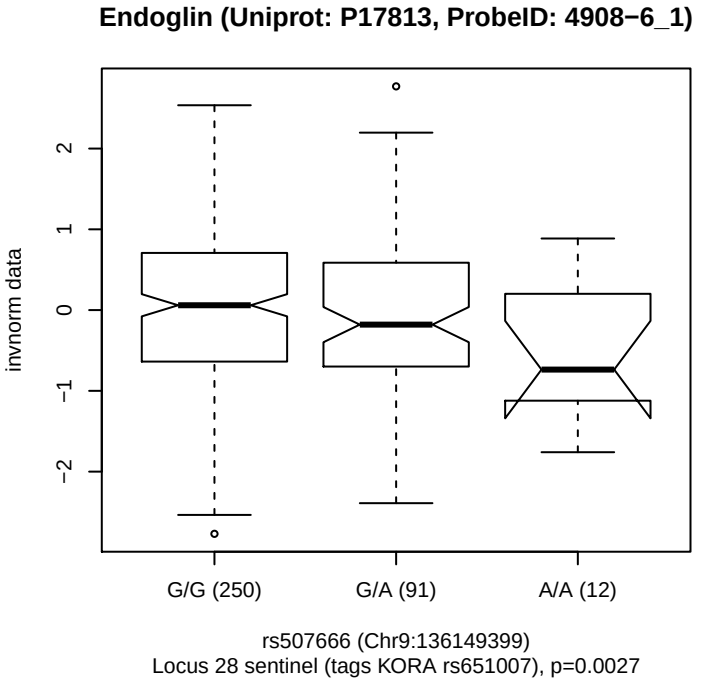

Endoglin (Uniprot: P17813, ProbeID: 4908−6_1)
Frequency
0
50
100
150
0
2000
4000
6000
8000
10000
raw data
Endoglin

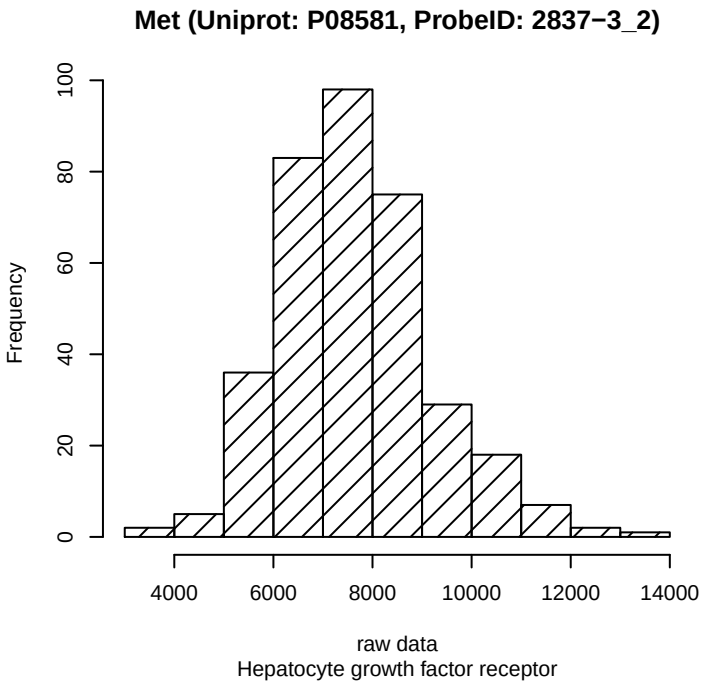

Endoglin (Uniprot: P17813, ProbeID: 4908−6_1)
raw data
2000
4000
6000
8000
10000
G/G (250)
G/A (91)
A/A (12)
rs507666 (Chr9:136149399)
Locus 28 sentinel (tags KORA rs651007), p=0.15

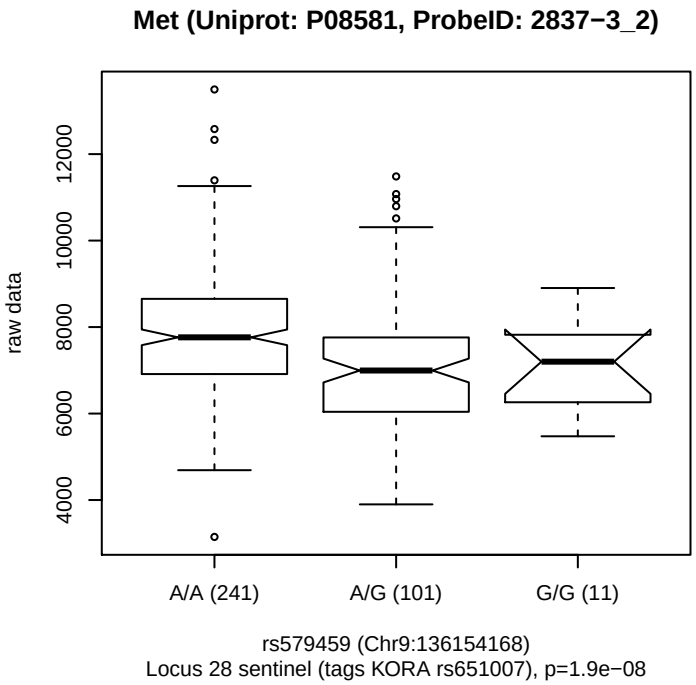

Endoglin (Uniprot: P17813, ProbeID: 4908−6_1)
Frequency
0
20
40
60
80
100
120
140
9
10
11
12
13
log2−scaled data
Endoglin

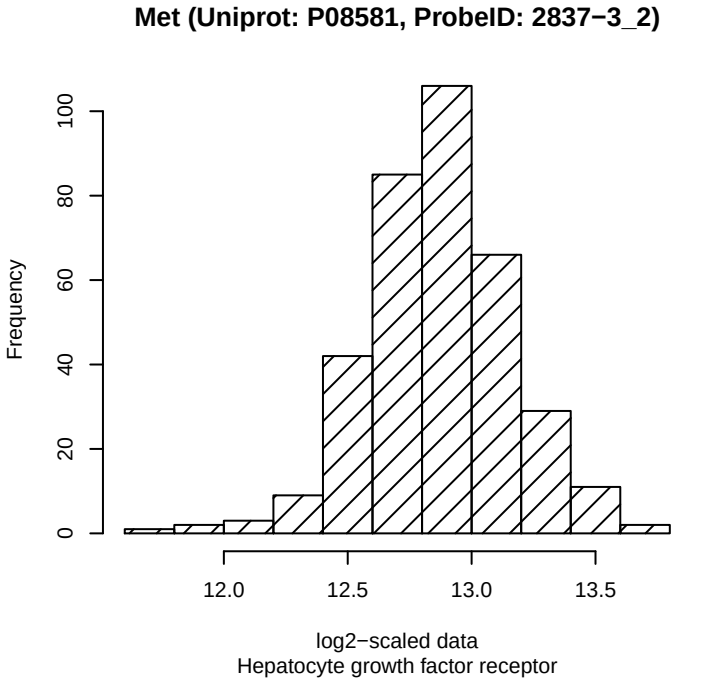

Endoglin (Uniprot: P17813, ProbeID: 4908−6_1)
log2−scaled data
9
10
11
12
13
G/G (250)
G/A (91)
A/A (12)
rs507666 (Chr9:136149399)
Locus 28 sentinel (tags KORA rs651007), p=0.011, FC=−1.0724

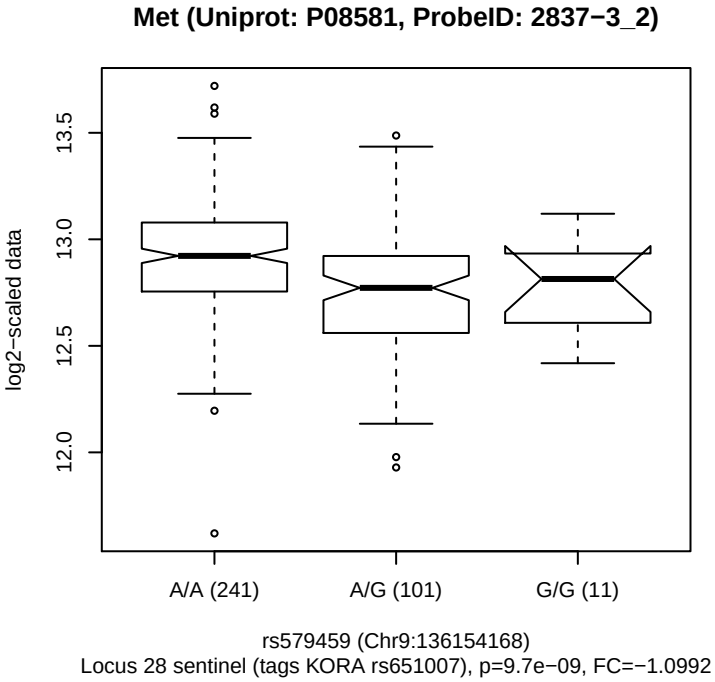

Endoglin (Uniprot: P17813, ProbeID: 4908−6_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Endoglin

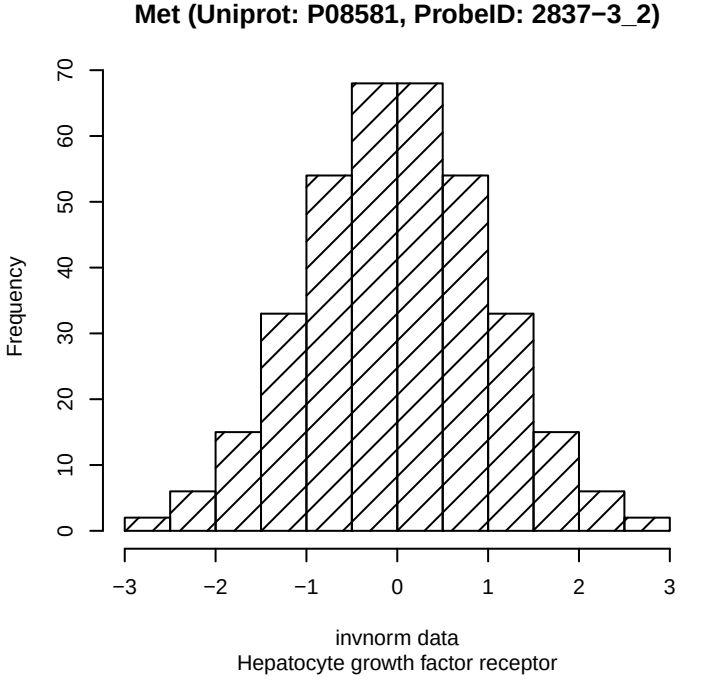

Endoglin (Uniprot: P17813, ProbeID: 4908−6_1)
invnorm data
−2
−1
0
1
2
G/G (250)
G/A (91)
A/A (12)
rs507666 (Chr9:136149399)
Locus 28 sentinel (tags KORA rs651007), p=0.0027

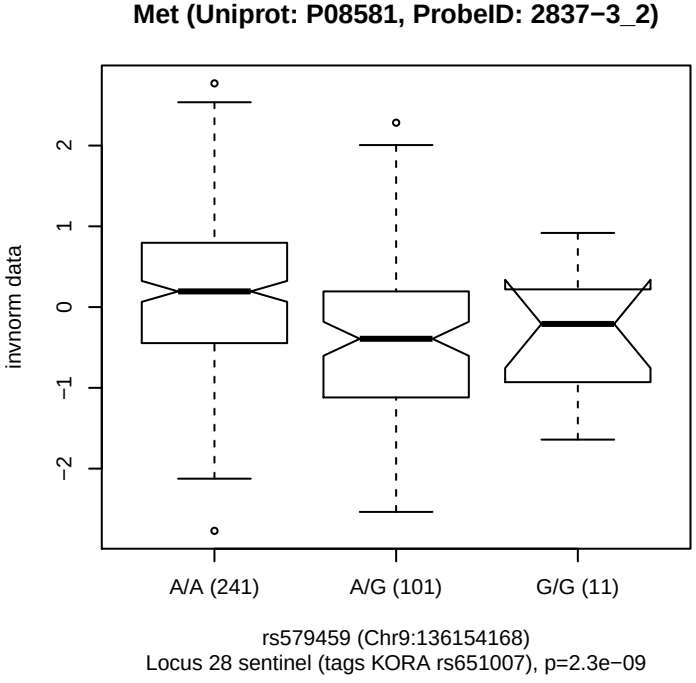

Met (Uniprot: P08581, ProbeID: 2837−3_2)
Frequency
0
20
40
60
80
100
4000
6000
8000
10000
12000
14000
raw data
Hepatocyte growth factor receptor

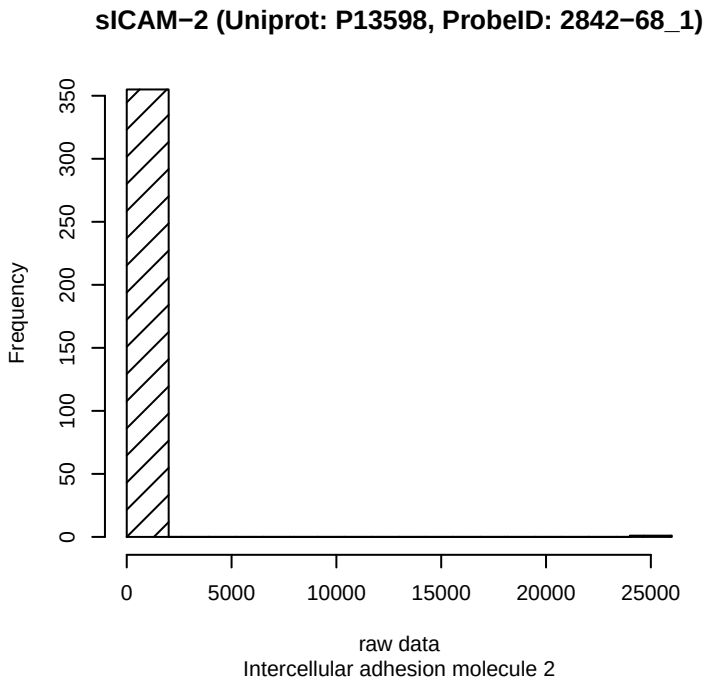

Met (Uniprot: P08581, ProbeID: 2837−3_2)
raw data
4000
6000
8000
10000
12000
A/A (241)
A/G (101)
G/G (11)
rs579459 (Chr9:136154168)
Locus 28 sentinel (tags KORA rs651007), p=1.9e−08

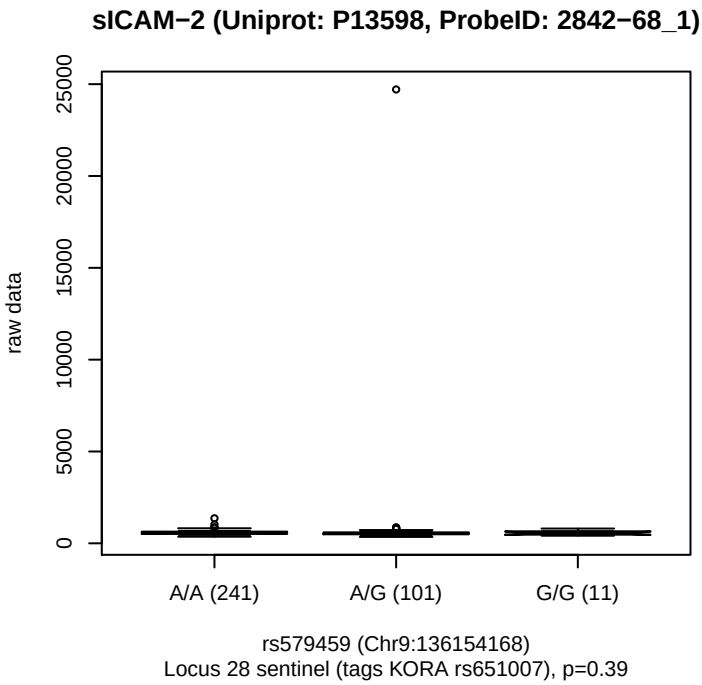

Met (Uniprot: P08581, ProbeID: 2837−3_2)
Frequency
0
20
40
60
80
100
12.0
12.5
13.0
13.5
log2−scaled data
Hepatocyte growth factor receptor

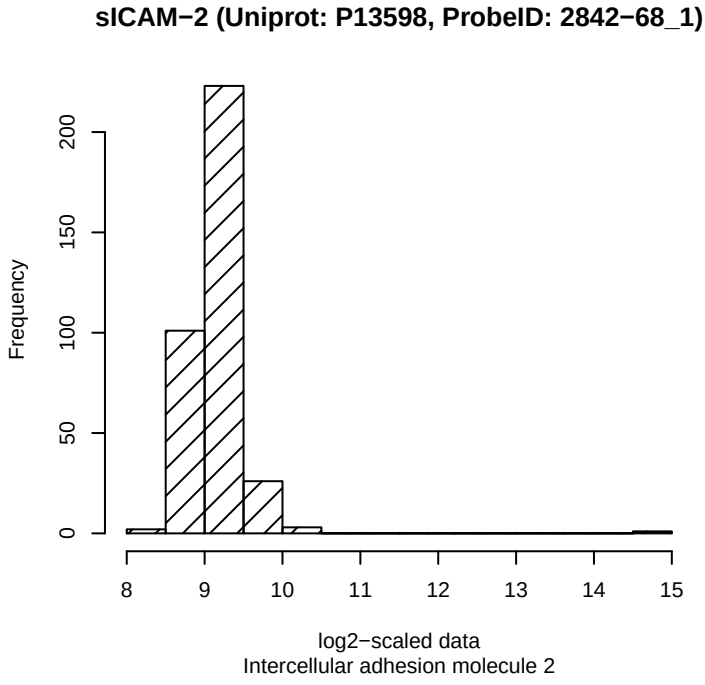

Met (Uniprot: P08581, ProbeID: 2837−3_2)
log2−scaled data
12.0
12.5
13.0
13.5
A/A (241)
A/G (101)
G/G (11)
rs579459 (Chr9:136154168)
Locus 28 sentinel (tags KORA rs651007), p=9.7e−09, FC=−1.0992

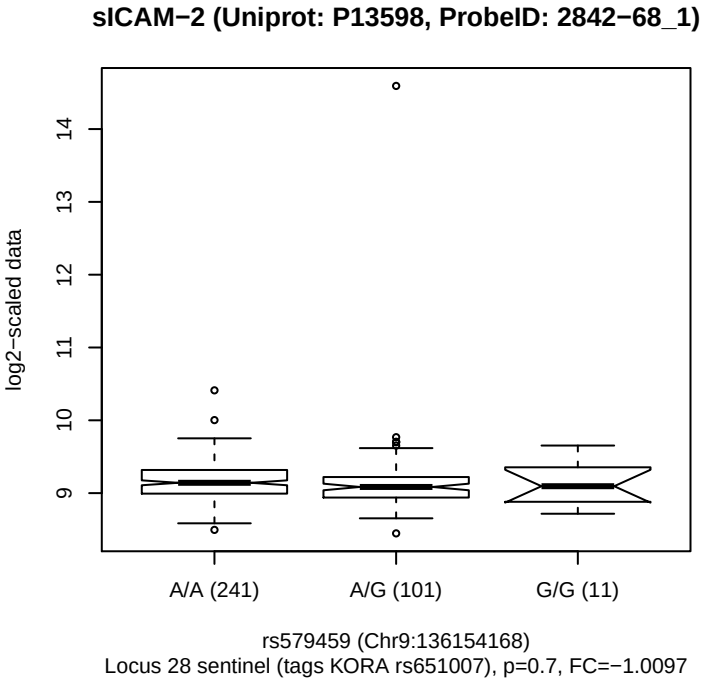

Met (Uniprot: P08581, ProbeID: 2837−3_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Hepatocyte growth factor receptor

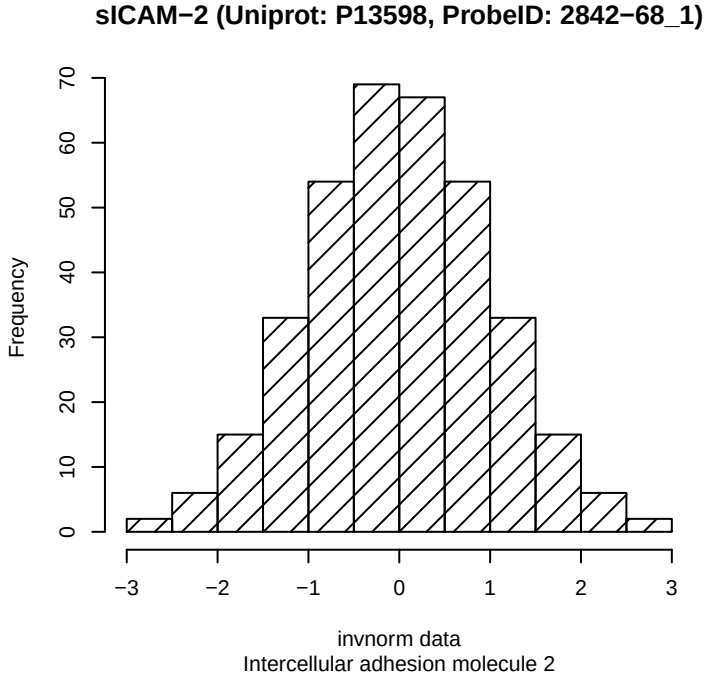

Met (Uniprot: P08581, ProbeID: 2837−3_2)
invnorm data
−2
−1
0
1
2
A/A (241)
A/G (101)
G/G (11)
rs579459 (Chr9:136154168)
Locus 28 sentinel (tags KORA rs651007), p=2.3e−09

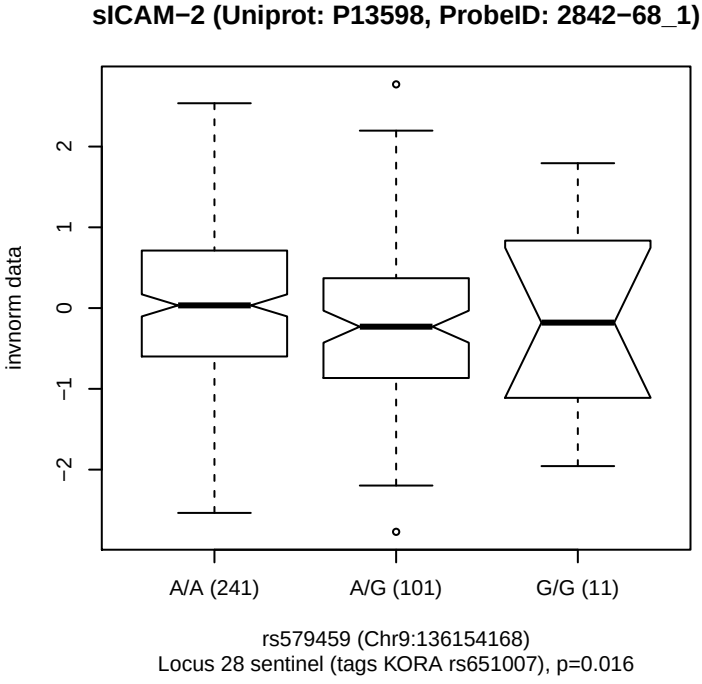

sICAM−2 (Uniprot: P13598, ProbeID: 2842−68_1)
Frequency
0
50
100
150
200
250
300
350
0
5000
10000
15000
20000
25000
raw data
Intercellular adhesion molecule 2

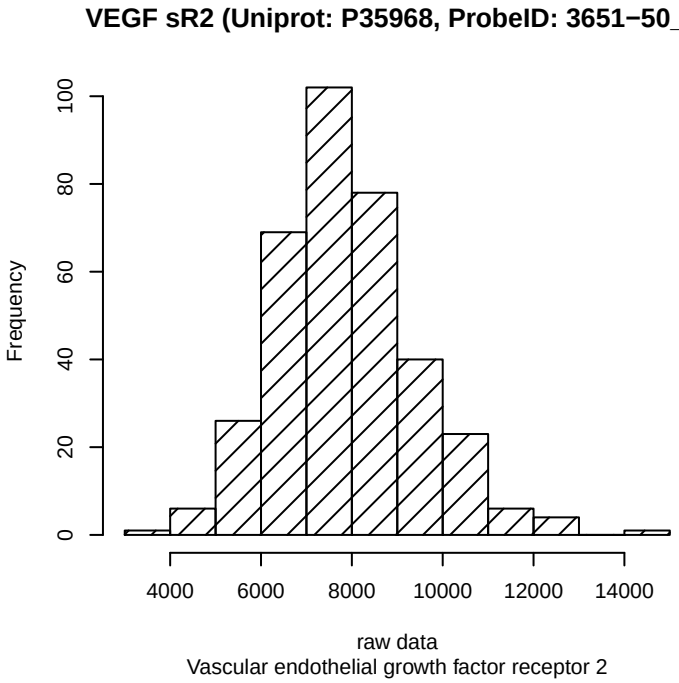

sICAM−2 (Uniprot: P13598, ProbeID: 2842−68_1)
raw data
0
5000
10000
15000
20000
25000
A/A (241)
A/G (101)
G/G (11)
rs579459 (Chr9:136154168)
Locus 28 sentinel (tags KORA rs651007), p=0.39

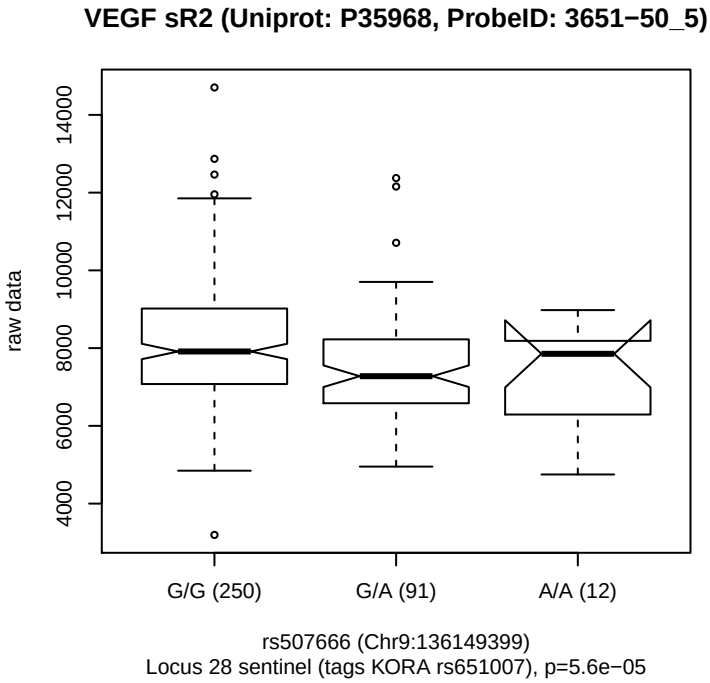

sICAM−2 (Uniprot: P13598, ProbeID: 2842−68_1)
Frequency
0
50
100
150
200
8
9
10
11
12
13
14
15
log2−scaled data
Intercellular adhesion molecule 2

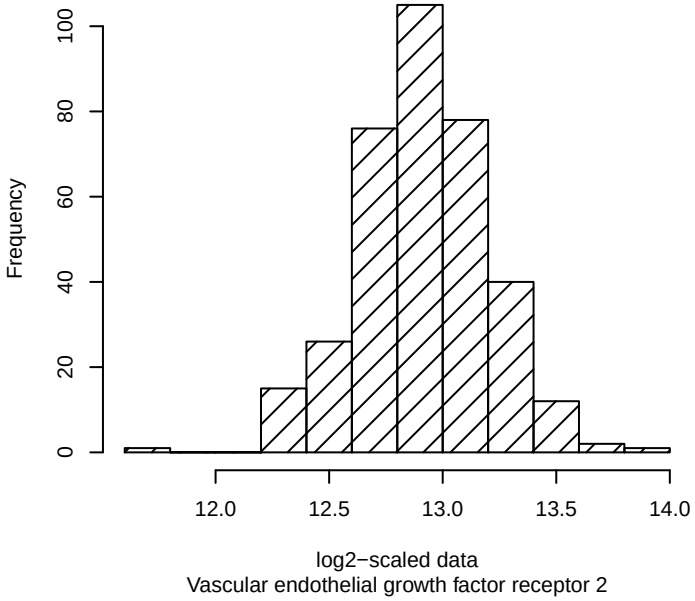

sICAM−2 (Uniprot: P13598, ProbeID: 2842−68_1)
log2−scaled data
9
10
11
12
13
14
A/A (241)
A/G (101)
G/G (11)
rs579459 (Chr9:136154168)
Locus 28 sentinel (tags KORA rs651007), p=0.7, FC=−1.0097

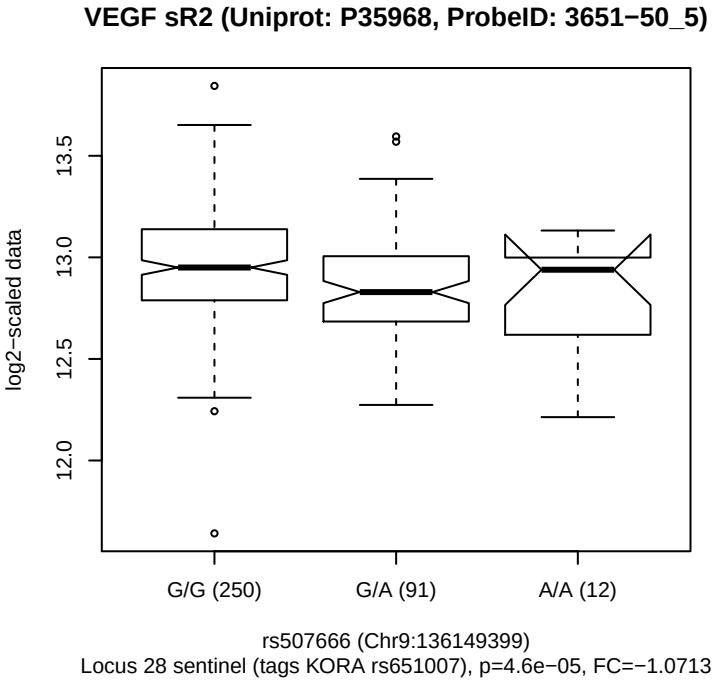

sICAM−2 (Uniprot: P13598, ProbeID: 2842−68_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Intercellular adhesion molecule 2

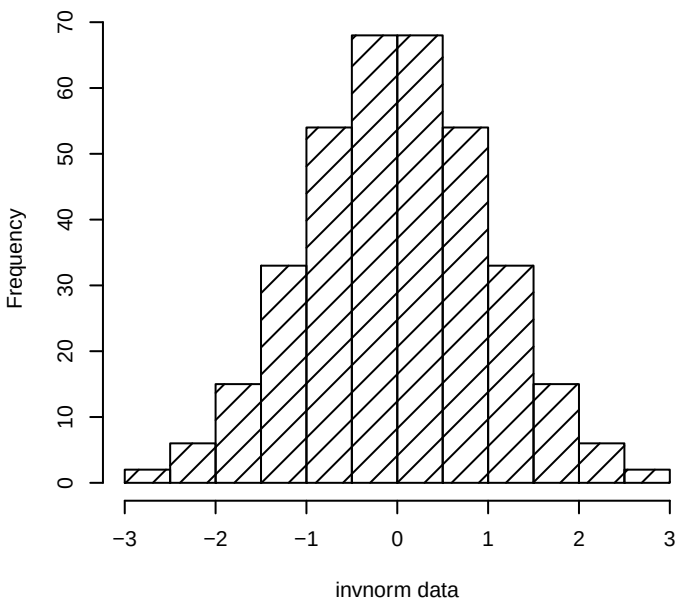

sICAM−2 (Uniprot: P13598, ProbeID: 2842−68_1)
invnorm data
−2
−1
0
1
2
A/A (241)
A/G (101)
G/G (11)
rs579459 (Chr9:136154168)
Locus 28 sentinel (tags KORA rs651007), p=0.016

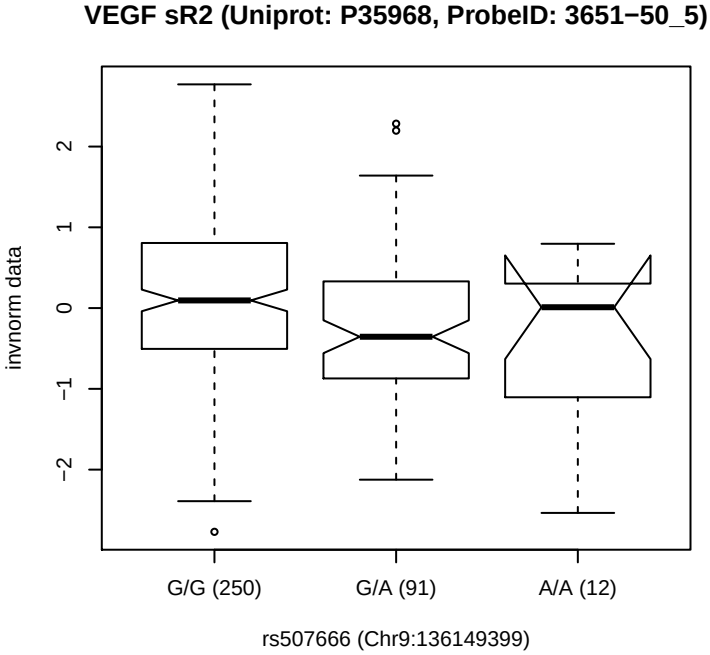

VEGF sR2 (Uniprot: P35968, ProbeID: 3651−50_5)
Frequency
0
20
40
60
80
100
4000
6000
8000
10000
12000
14000
raw data
Vascular endothelial growth factor receptor 2

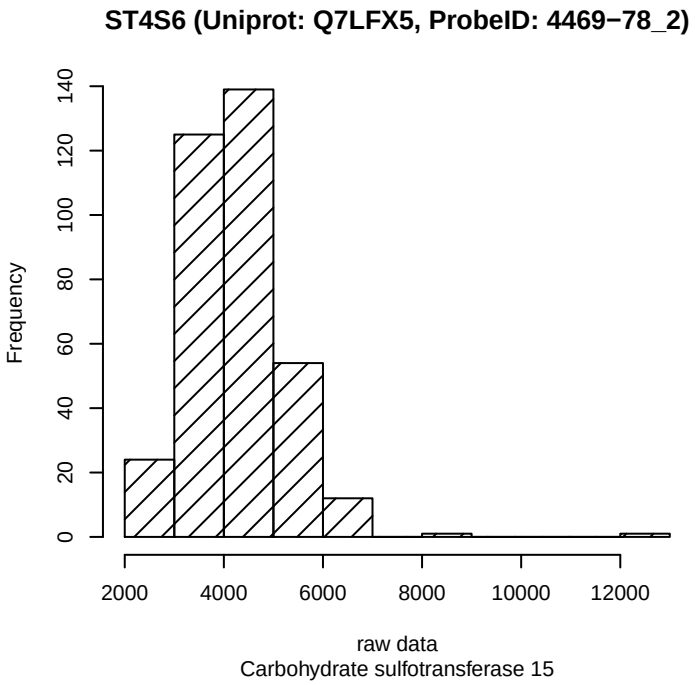

VEGF sR2 (Uniprot: P35968, ProbeID: 3651−50_5)
raw data
4000
6000
8000
10000
12000
14000
G/G (250)
G/A (91)
A/A (12)
rs507666 (Chr9:136149399)
Locus 28 sentinel (tags KORA rs651007), p=5.6e−05

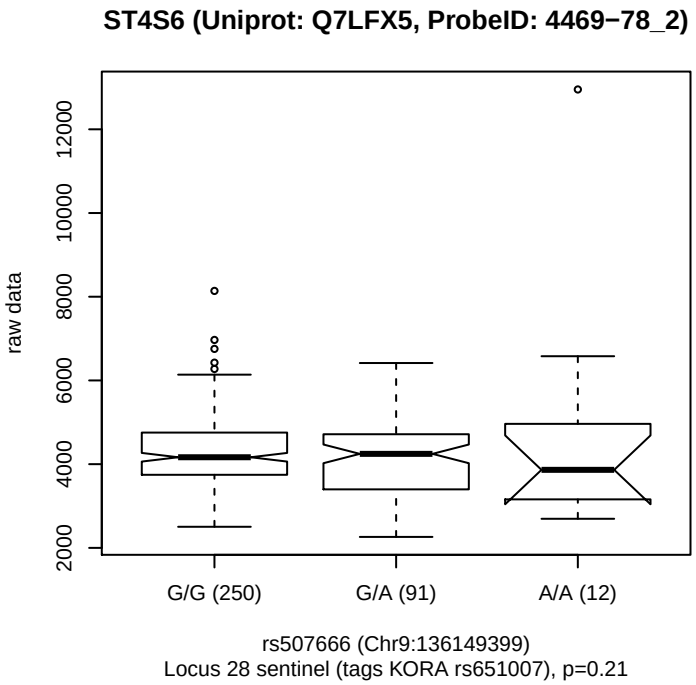

VEGF sR2 (Uniprot: P35968, ProbeID: 3651−50_5)
Frequency
0
20
40
60
80
100
12.0
12.5
13.0
13.5
14.0
log2−scaled data
Vascular endothelial growth factor receptor 2

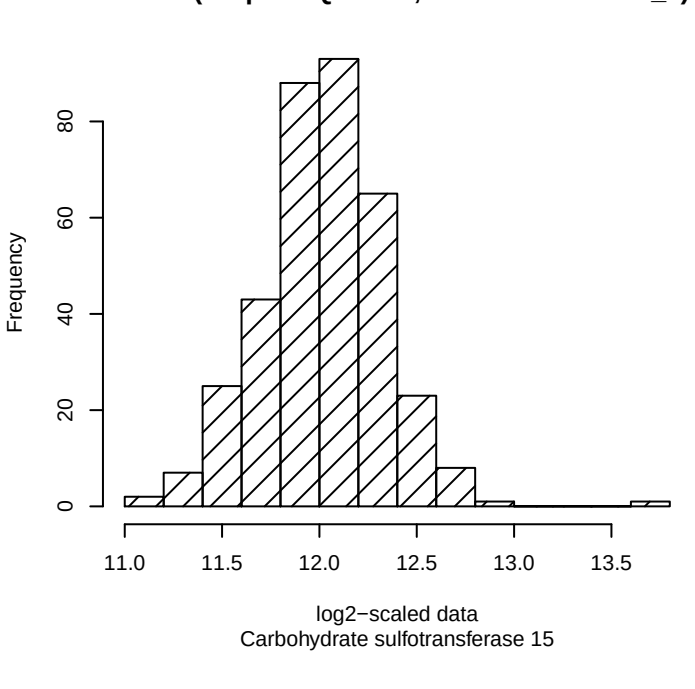

VEGF sR2 (Uniprot: P35968, ProbeID: 3651−50_5)
log2−scaled data
12.0
12.5
13.0
13.5
G/G (250)
G/A (91)
A/A (12)
rs507666 (Chr9:136149399)
Locus 28 sentinel (tags KORA rs651007), p=4.6e−05, FC=−1.0713

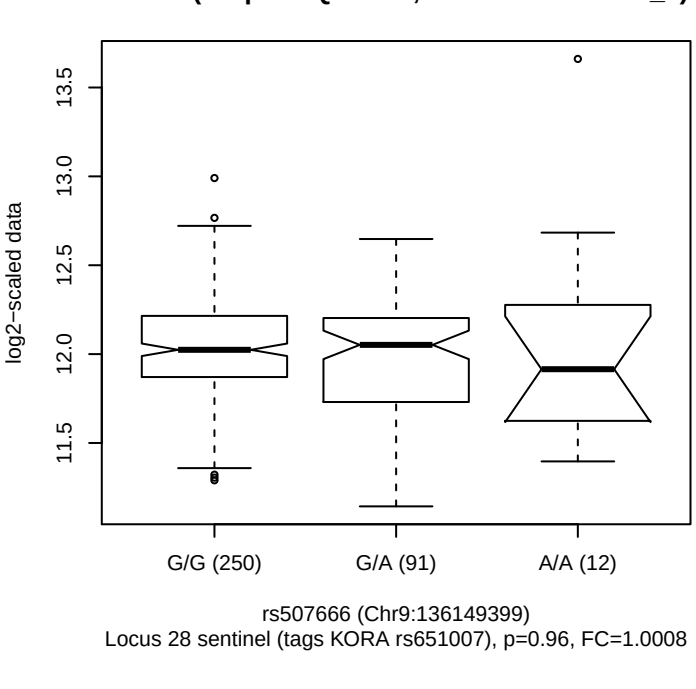

VEGF sR2 (Uniprot: P35968, ProbeID: 3651−50_5)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Vascular endothelial growth factor receptor 2

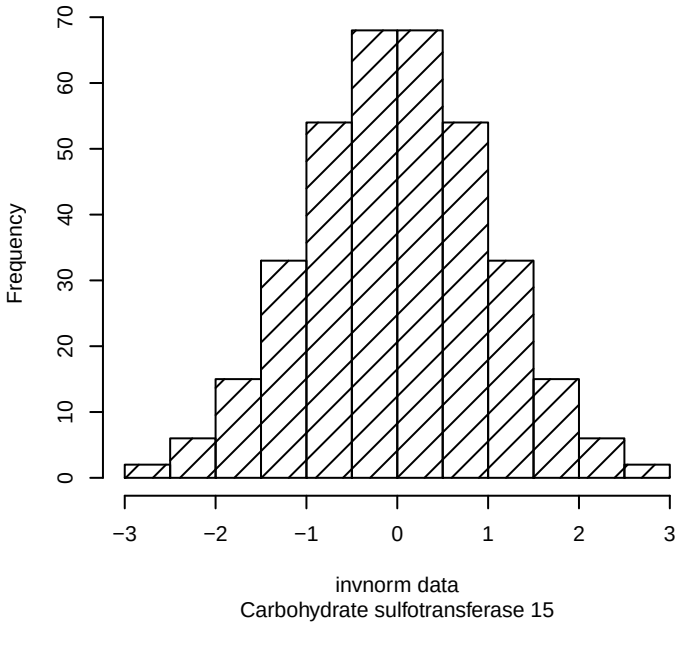

VEGF sR2 (Uniprot: P35968, ProbeID: 3651−50_5)
invnorm data
−2
−1
0
1
2
G/G (250)
G/A (91)
A/A (12)
rs507666 (Chr9:136149399)
Locus 28 sentinel (tags KORA rs651007), p=1.8e−05

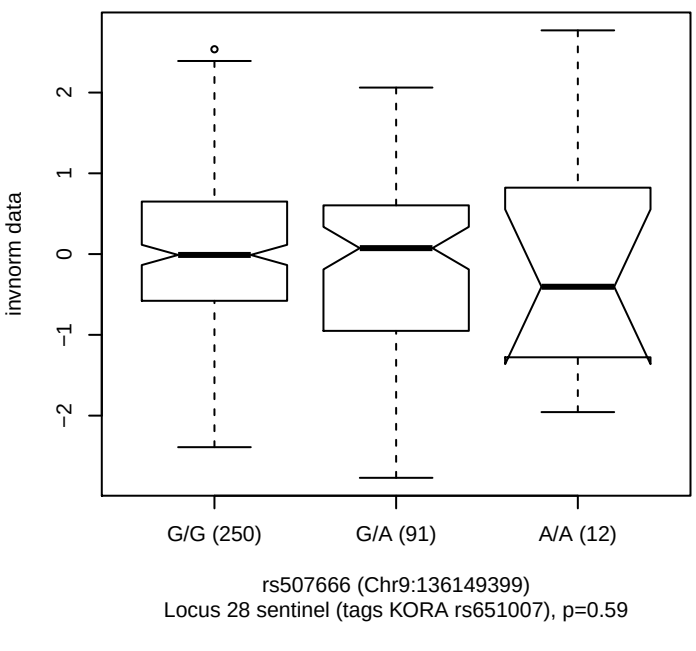

ST4S6 (Uniprot: Q7LFX5, ProbeID: 4469−78_2)
Frequency
0
20
40
60
80
100
120
140
2000
4000
6000
8000
10000
12000
raw data
Carbohydrate sulfotransferase 15

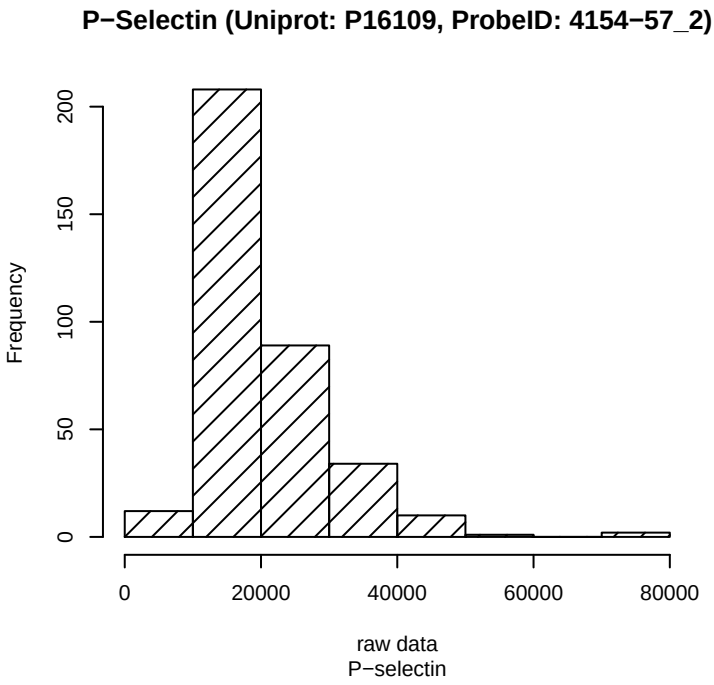

ST4S6 (Uniprot: Q7LFX5, ProbeID: 4469−78_2)
raw data
2000
4000
6000
8000
10000
12000
G/G (250)
G/A (91)
A/A (12)
rs507666 (Chr9:136149399)
Locus 28 sentinel (tags KORA rs651007), p=0.21

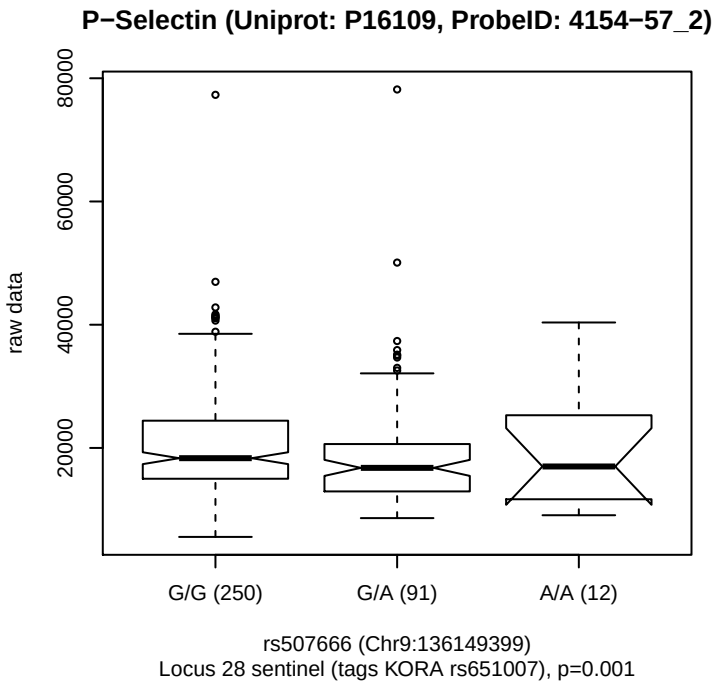

ST4S6 (Uniprot: Q7LFX5, ProbeID: 4469−78_2)
Frequency
0
20
40
60
80
11.0
11.5
12.0
12.5
13.0
13.5
log2−scaled data
Carbohydrate sulfotransferase 15

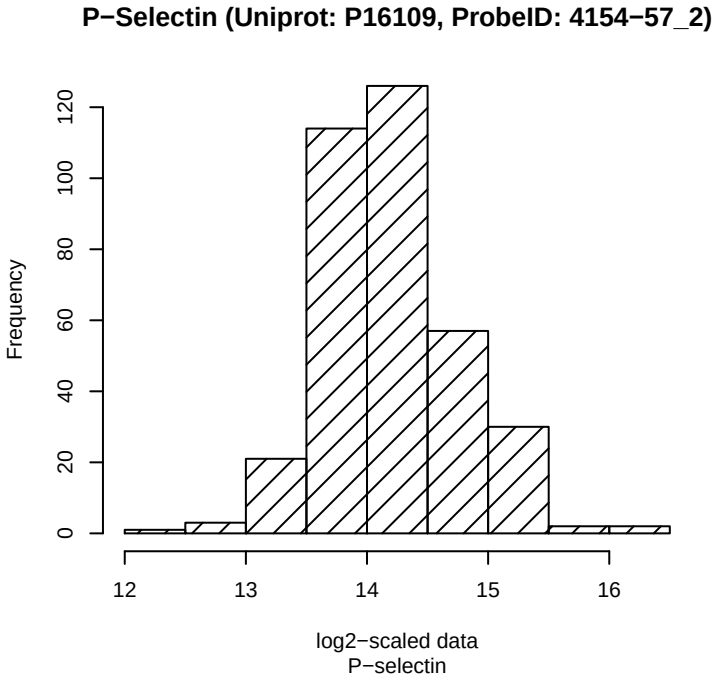

ST4S6 (Uniprot: Q7LFX5, ProbeID: 4469−78_2)
log2−scaled data
11.5
12.0
12.5
13.0
13.5
G/G (250)
G/A (91)
A/A (12)
rs507666 (Chr9:136149399)
Locus 28 sentinel (tags KORA rs651007), p=0.96, FC=1.0008

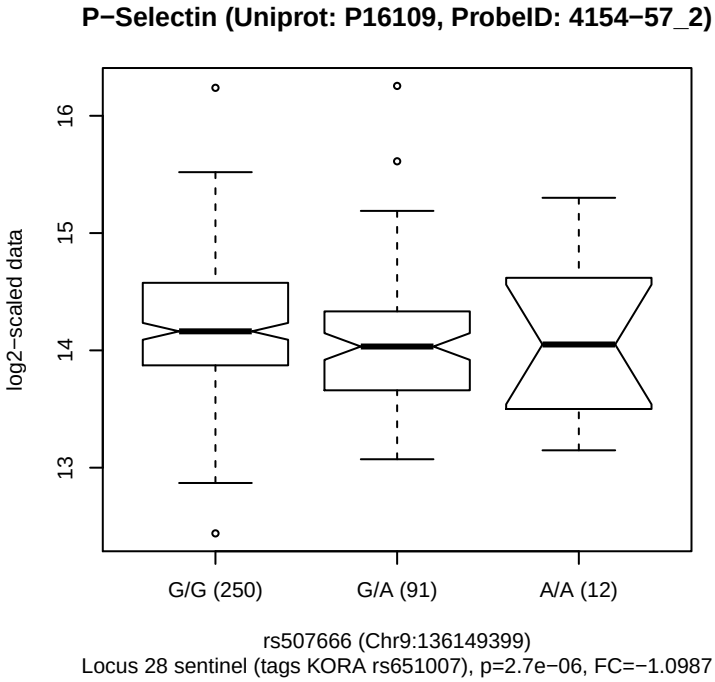

ST4S6 (Uniprot: Q7LFX5, ProbeID: 4469−78_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Carbohydrate sulfotransferase 15

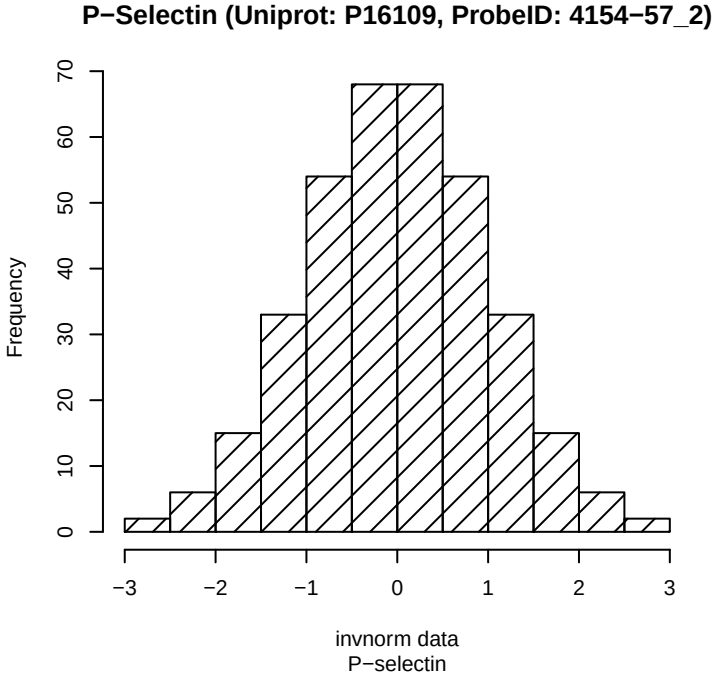

ST4S6 (Uniprot: Q7LFX5, ProbeID: 4469−78_2)
invnorm data
−2
−1
0
1
2
G/G (250)
G/A (91)
A/A (12)
rs507666 (Chr9:136149399)
Locus 28 sentinel (tags KORA rs651007), p=0.59

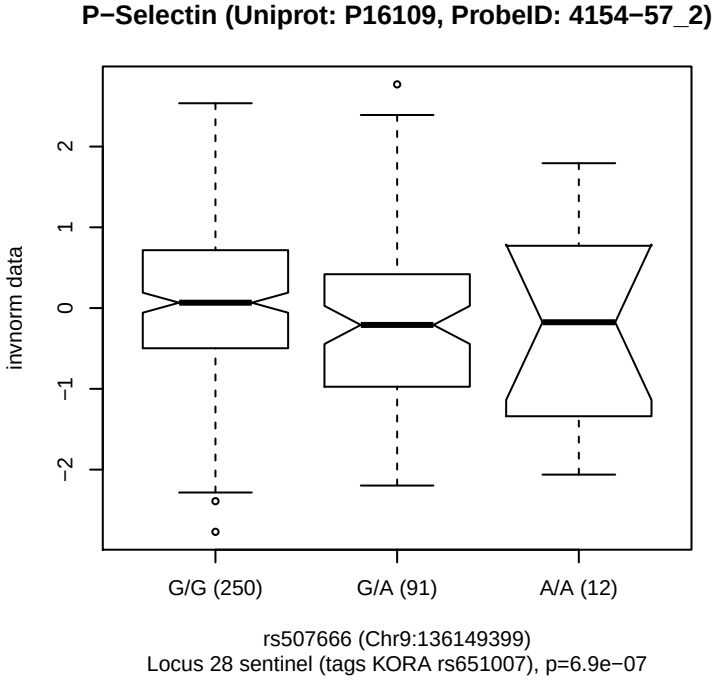

P−Selectin (Uniprot: P16109, ProbeID: 4154−57_2)
Frequency
0
50
100
150
200
0
20000
40000
60000
80000
raw data
P−selectin

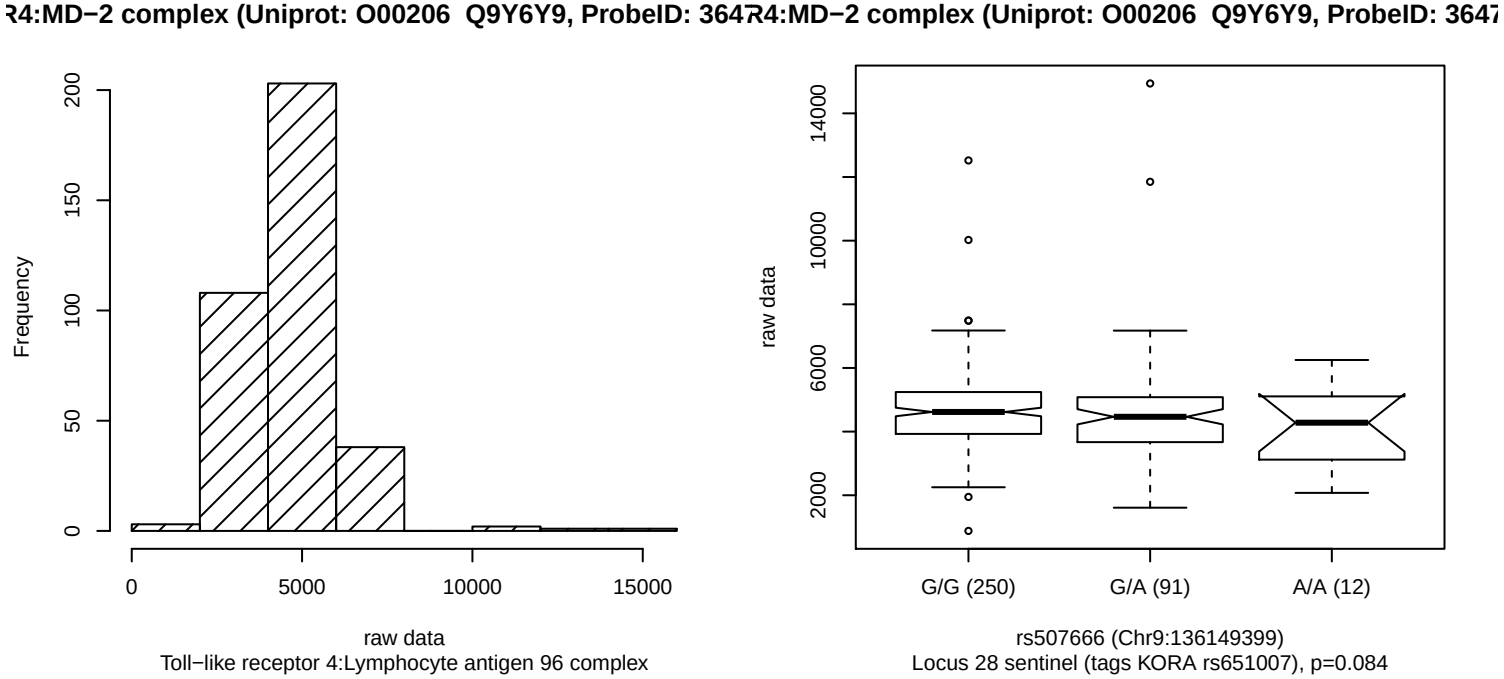

P−Selectin (Uniprot: P16109, ProbeID: 4154−57_2)
raw data
20000
40000
60000
80000
G/G (250)
G/A (91)
A/A (12)
rs507666 (Chr9:136149399)
Locus 28 sentinel (tags KORA rs651007), p=0.001

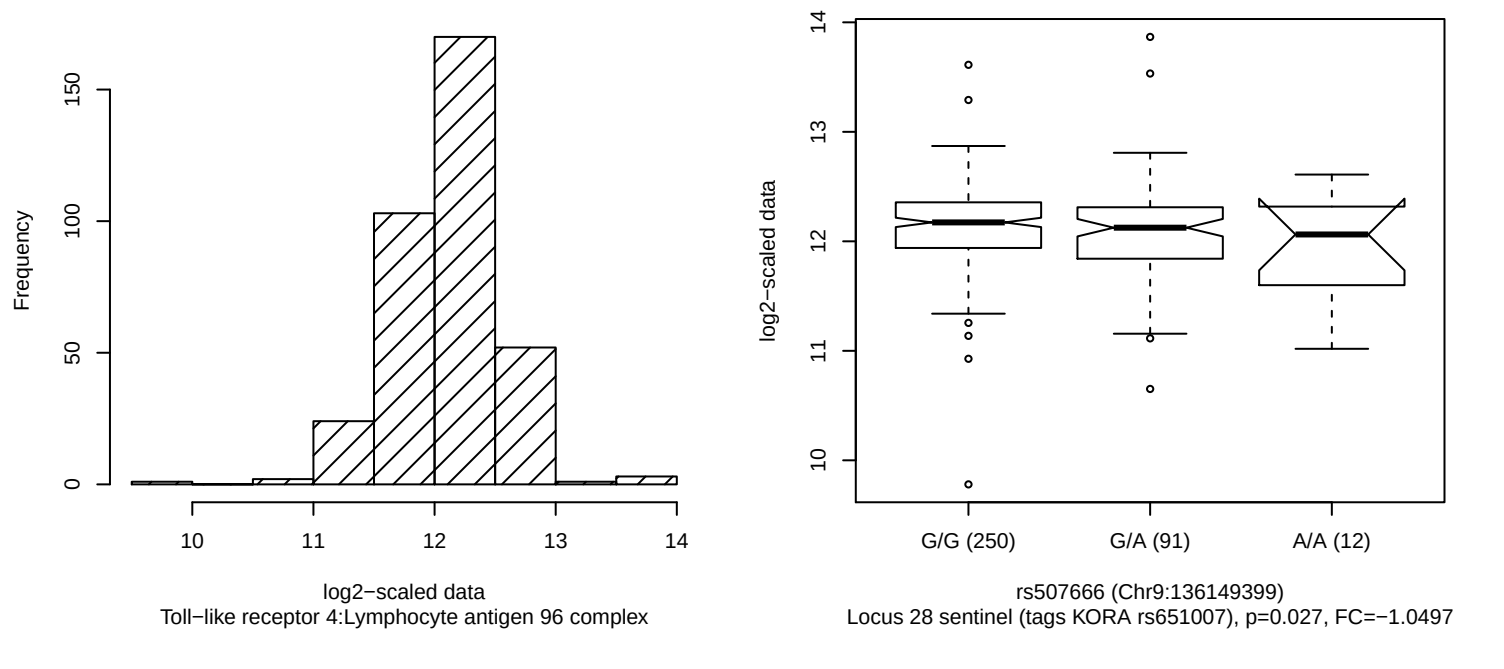

P−Selectin (Uniprot: P16109, ProbeID: 4154−57_2)
Frequency
0
20
40
60
80
100
120
12
13
14
15
16
log2−scaled data
P−selectin

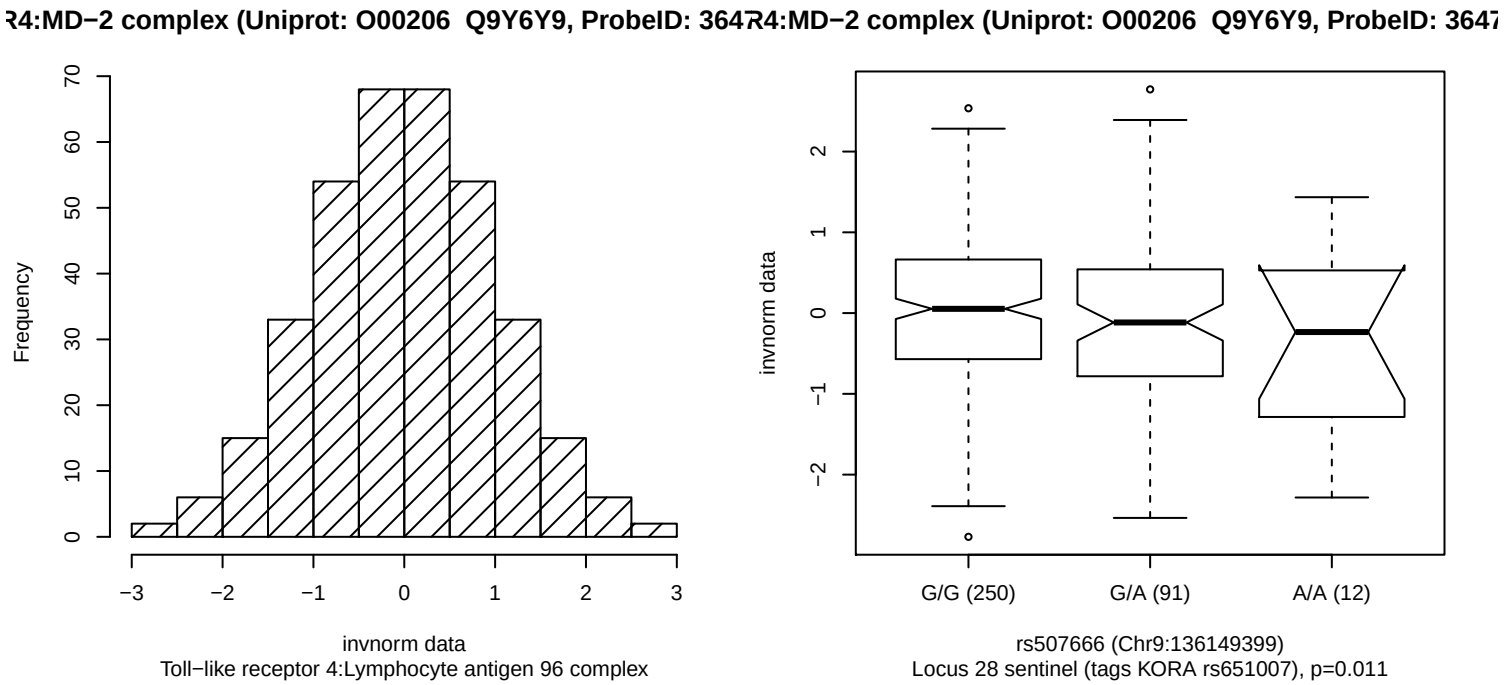

P−Selectin (Uniprot: P16109, ProbeID: 4154−57_2)
log2−scaled data
13
14
15
16
G/G (250)
G/A (91)
A/A (12)
rs507666 (Chr9:136149399)
Locus 28 sentinel (tags KORA rs651007), p=2.7e−06, FC=−1.0987

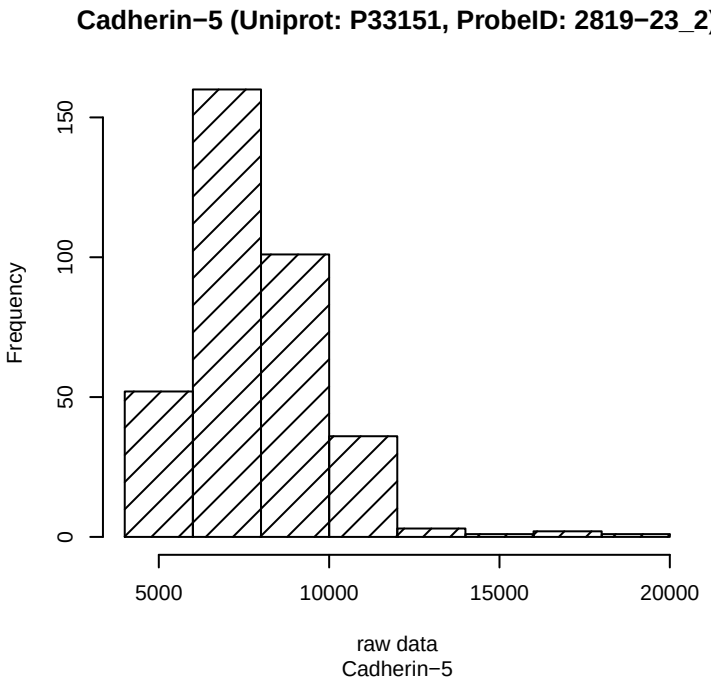

P−Selectin (Uniprot: P16109, ProbeID: 4154−57_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
P−selectin

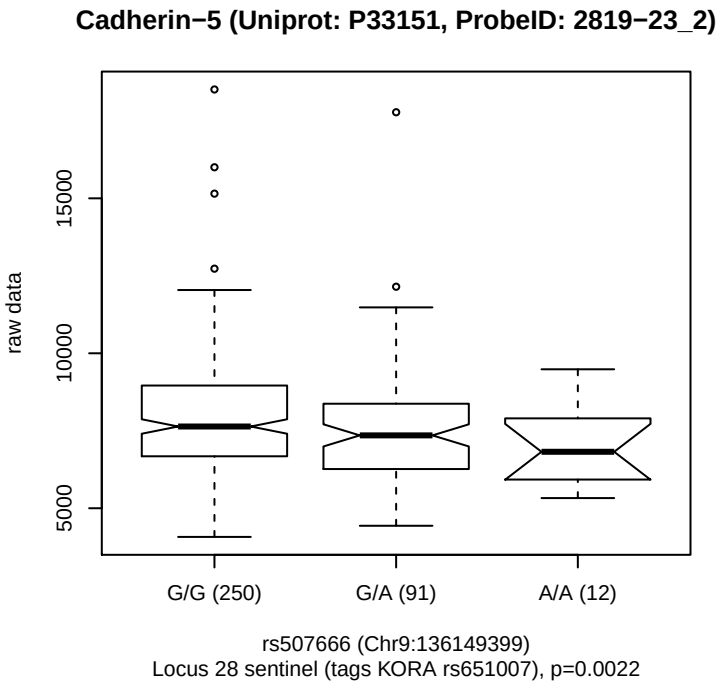

P−Selectin (Uniprot: P16109, ProbeID: 4154−57_2)
invnorm data
−2
−1
0
1
2
G/G (250)
G/A (91)
A/A (12)
rs507666 (Chr9:136149399)
Locus 28 sentinel (tags KORA rs651007), p=6.9e−07

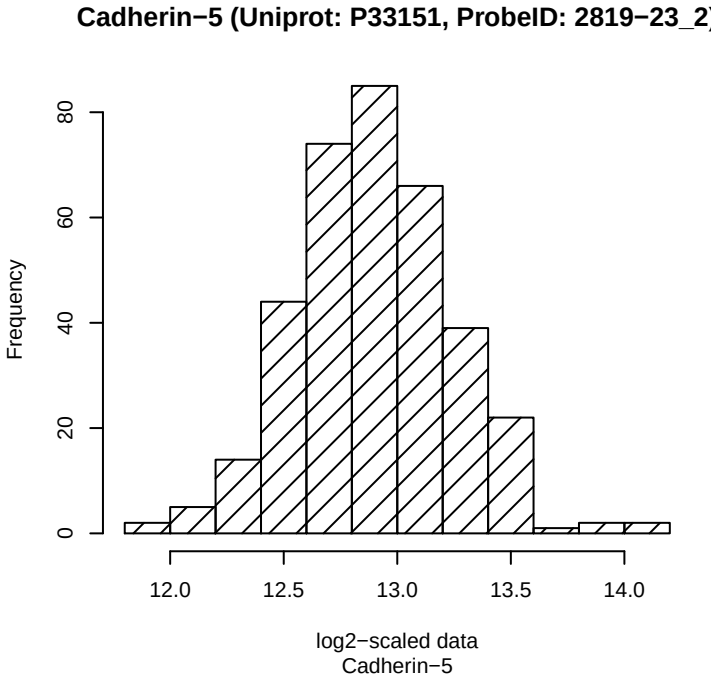

R4:MD−2 complex (Uniprot: O00206 Q9Y6Y9, ProbeID: 364
R4:MD−2 complex (Uniprot: O00206 Q9Y6Y9, ProbeID: 3647
Frequency
0
50
100
150
200
0
5000
10000
15000
raw data
Toll−like receptor 4:Lymphocyte antigen 96 complex
raw data
2000
6000
10000
14000
G/G (250)
G/A (91)
A/A (12)
rs507666 (Chr9:136149399)
Locus 28 sentinel (tags KORA rs651007), p=0.084

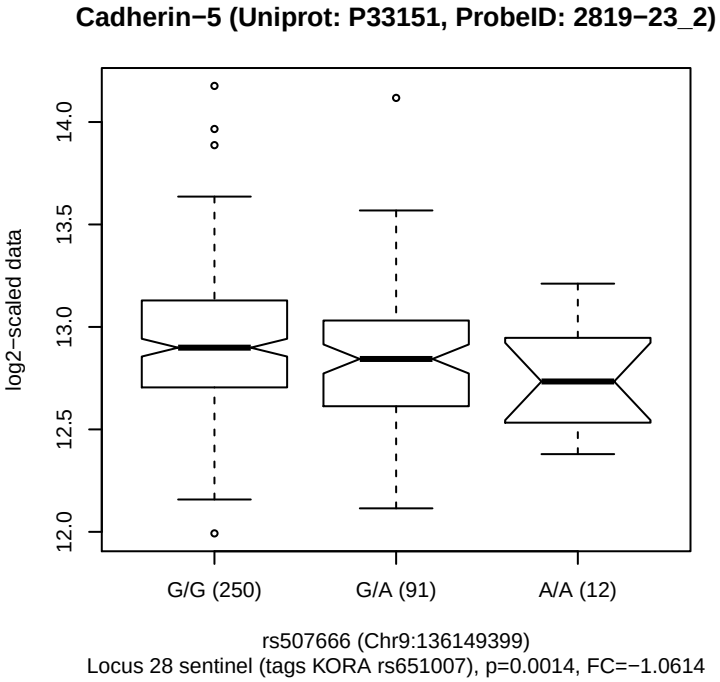

R4:MD−2 complex (Uniprot: O00206 Q9Y6Y9, ProbeID: 364
R4:MD−2 complex (Uniprot: O00206 Q9Y6Y9, ProbeID: 3647
Frequency
0
50
100
150
10
11
12
13
14
log2−scaled data
Toll−like receptor 4:Lymphocyte antigen 96 complex
log2−scaled data
10
11
12
13
14
G/G (250)
G/A (91)
A/A (12)
rs507666 (Chr9:136149399)
Locus 28 sentinel (tags KORA rs651007), p=0.027, FC=−1.0497

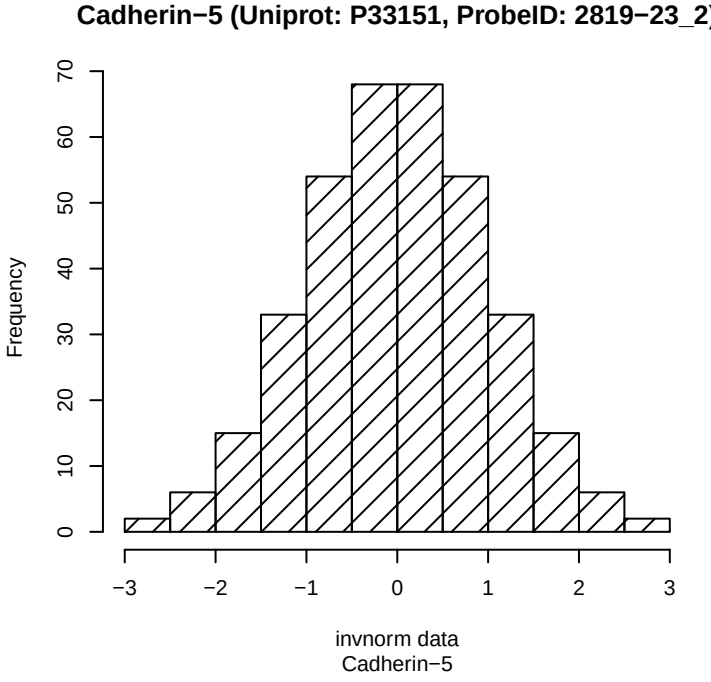

R4:MD−2 complex (Uniprot: O00206 Q9Y6Y9, ProbeID: 364
R4:MD−2 complex (Uniprot: O00206 Q9Y6Y9, ProbeID: 3647
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Toll−like receptor 4:Lymphocyte antigen 96 complex
invnorm data
−2
−1
0
1
2
G/G (250)
G/A (91)
A/A (12)
rs507666 (Chr9:136149399)
Locus 28 sentinel (tags KORA rs651007), p=0.011

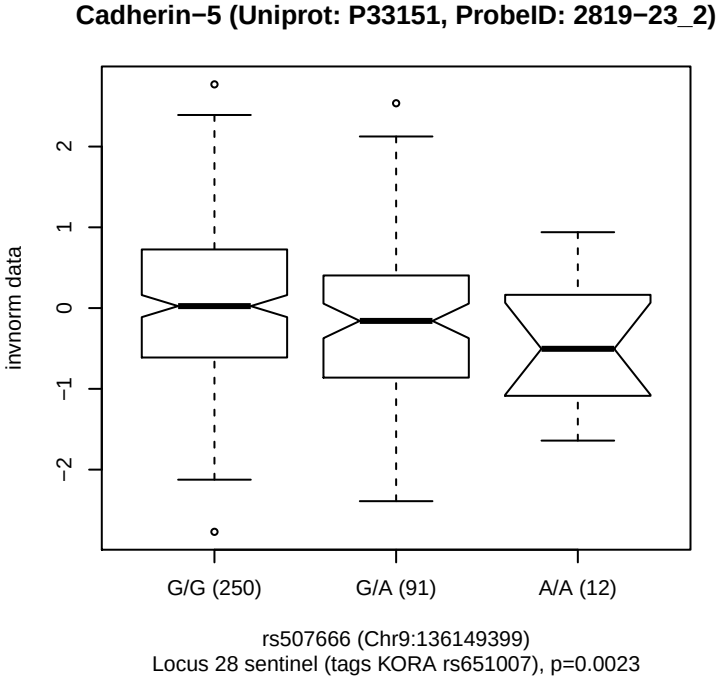

Cadherin−5 (Uniprot: P33151, ProbeID: 2819−23_2)
Frequency
0
50
100
150
5000
10000
15000
20000
raw data
Cadherin−5

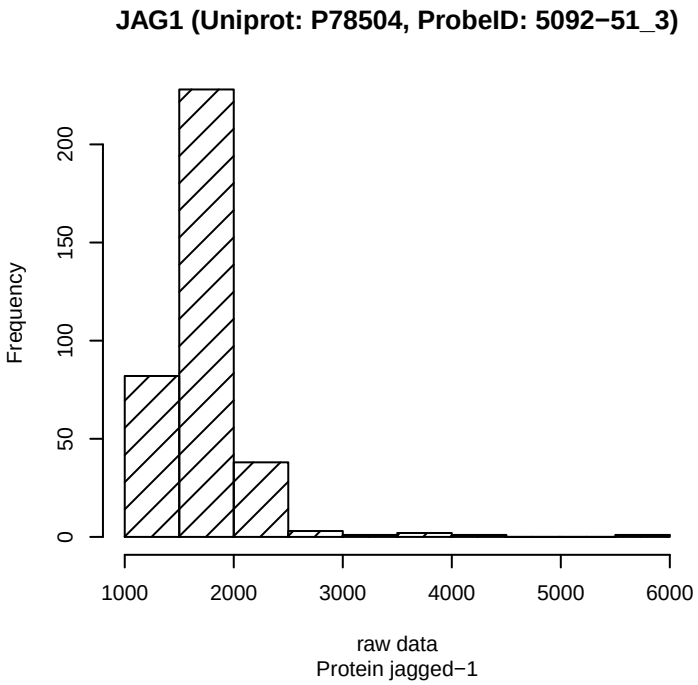

Cadherin−5 (Uniprot: P33151, ProbeID: 2819−23_2)
raw data
5000
10000
15000
G/G (250)
G/A (91)
A/A (12)
rs507666 (Chr9:136149399)
Locus 28 sentinel (tags KORA rs651007), p=0.0022

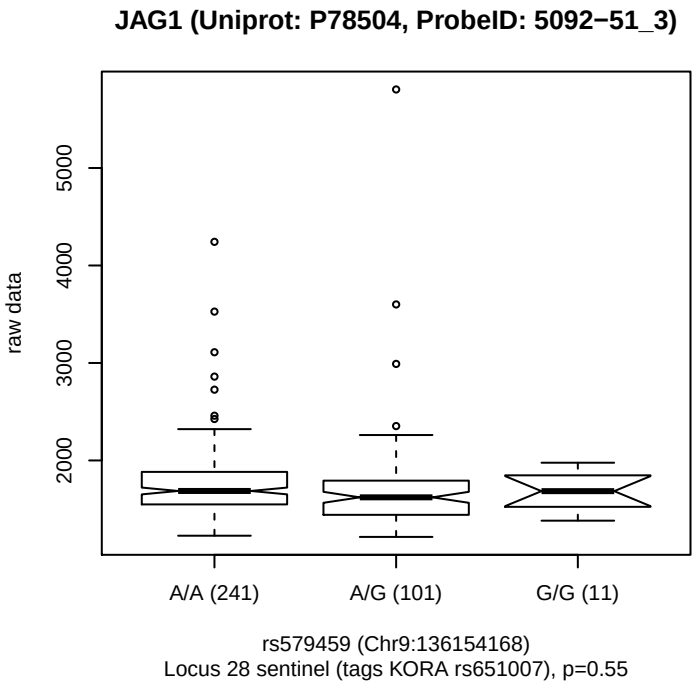

Cadherin−5 (Uniprot: P33151, ProbeID: 2819−23_2)
Frequency
0
20
40
60
80
12.0
12.5
13.0
13.5
14.0
log2−scaled data
Cadherin−5

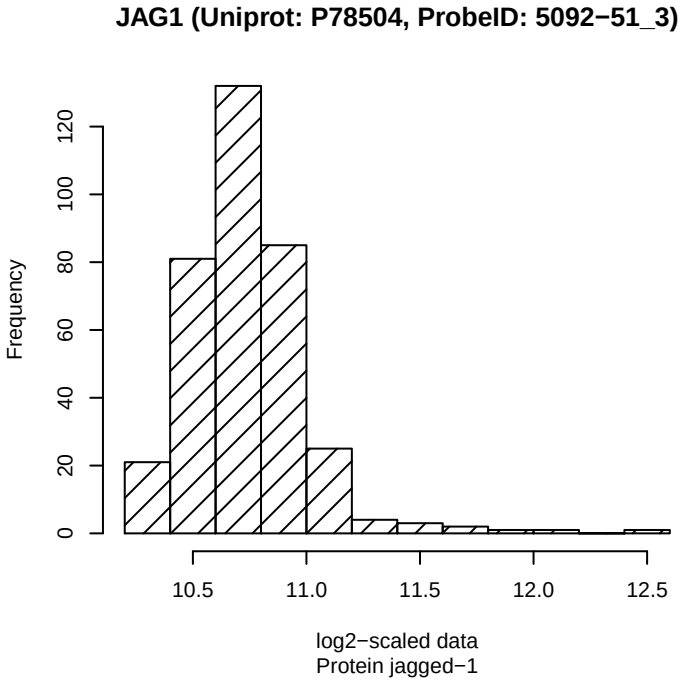

Cadherin−5 (Uniprot: P33151, ProbeID: 2819−23_2)
log2−scaled data
12.0
12.5
13.0
13.5
14.0
G/G (250)
G/A (91)
A/A (12)
rs507666 (Chr9:136149399)
Locus 28 sentinel (tags KORA rs651007), p=0.0014, FC=−1.0614

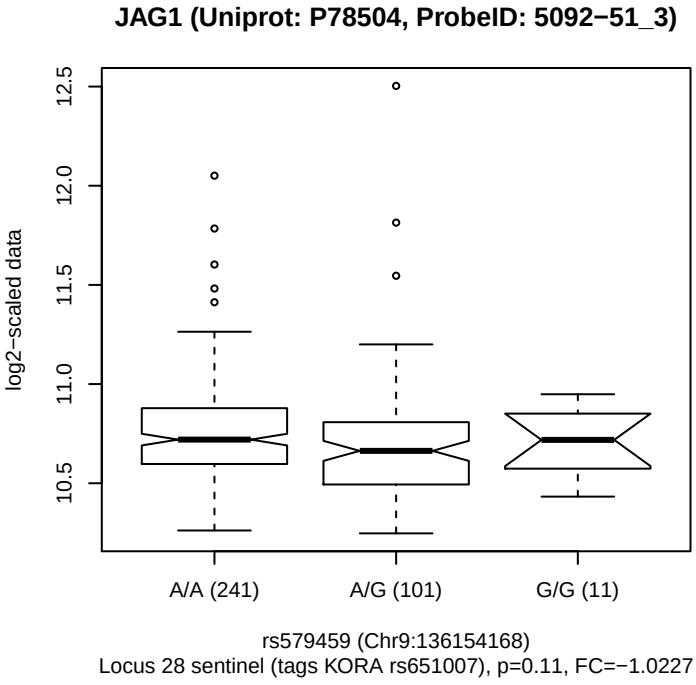

Cadherin−5 (Uniprot: P33151, ProbeID: 2819−23_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Cadherin−5

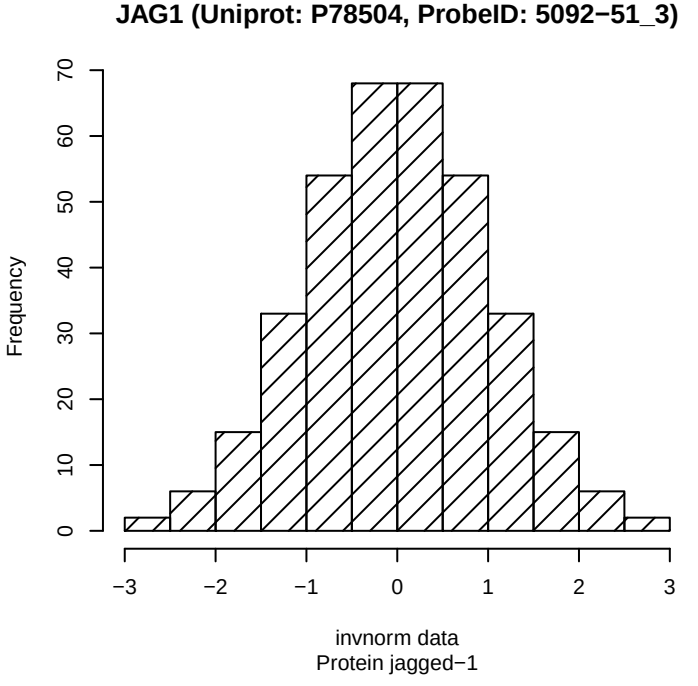

Cadherin−5 (Uniprot: P33151, ProbeID: 2819−23_2)
invnorm data
−2
−1
0
1
2
G/G (250)
G/A (91)
A/A (12)
rs507666 (Chr9:136149399)
Locus 28 sentinel (tags KORA rs651007), p=0.0023

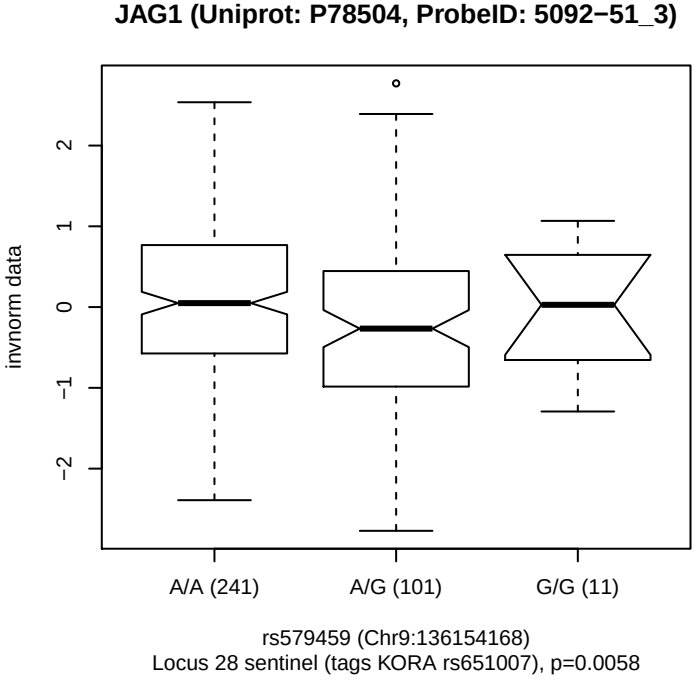

JAG1 (Uniprot: P78504, ProbeID: 5092−51_3)
Frequency
0
50
100
150
200
1000
2000
3000
4000
5000
6000
raw data
Protein jagged−1

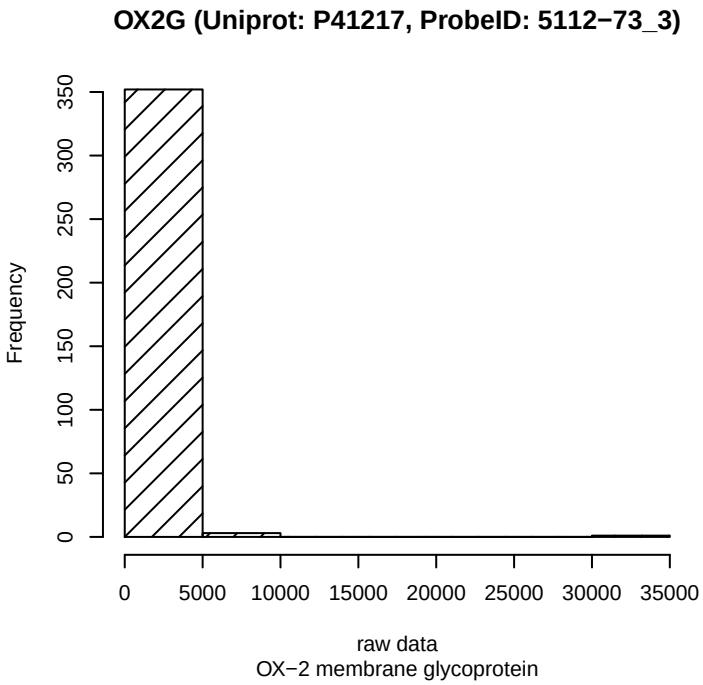

JAG1 (Uniprot: P78504, ProbeID: 5092−51_3)
raw data
2000
3000
4000
5000
A/A (241)
A/G (101)
G/G (11)
rs579459 (Chr9:136154168)
Locus 28 sentinel (tags KORA rs651007), p=0.55

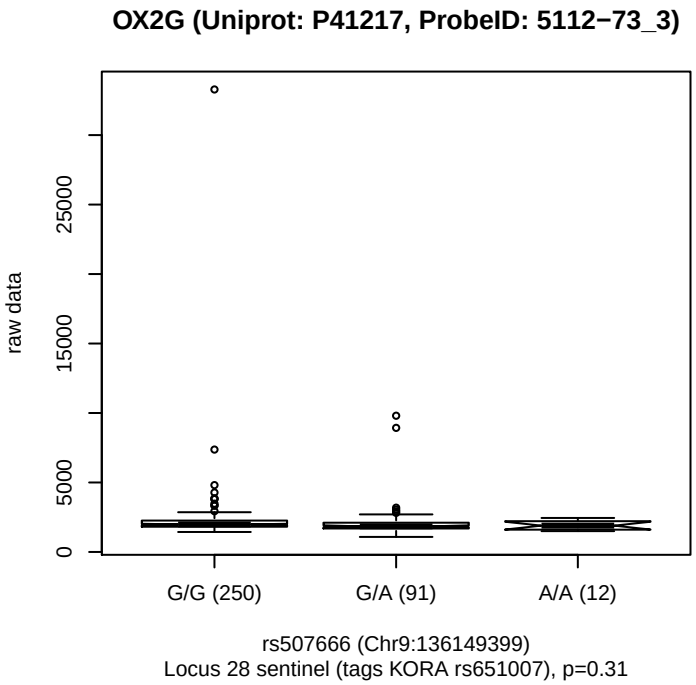

JAG1 (Uniprot: P78504, ProbeID: 5092−51_3)
Frequency
0
20
40
60
80
100
120
10.5
11.0
11.5
12.0
12.5
log2−scaled data
Protein jagged−1

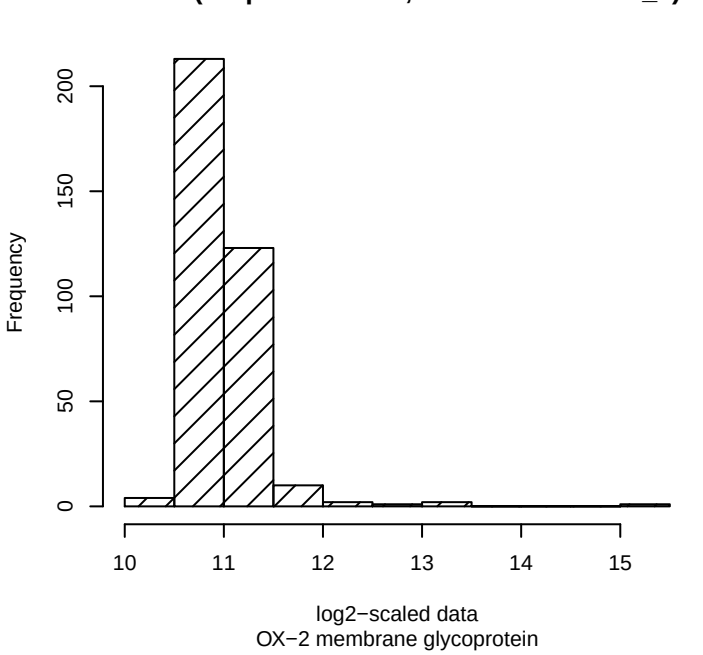

JAG1 (Uniprot: P78504, ProbeID: 5092−51_3)
log2−scaled data
10.5
11.0
11.5
12.0
12.5
A/A (241)
A/G (101)
G/G (11)
rs579459 (Chr9:136154168)
Locus 28 sentinel (tags KORA rs651007), p=0.11, FC=−1.0227

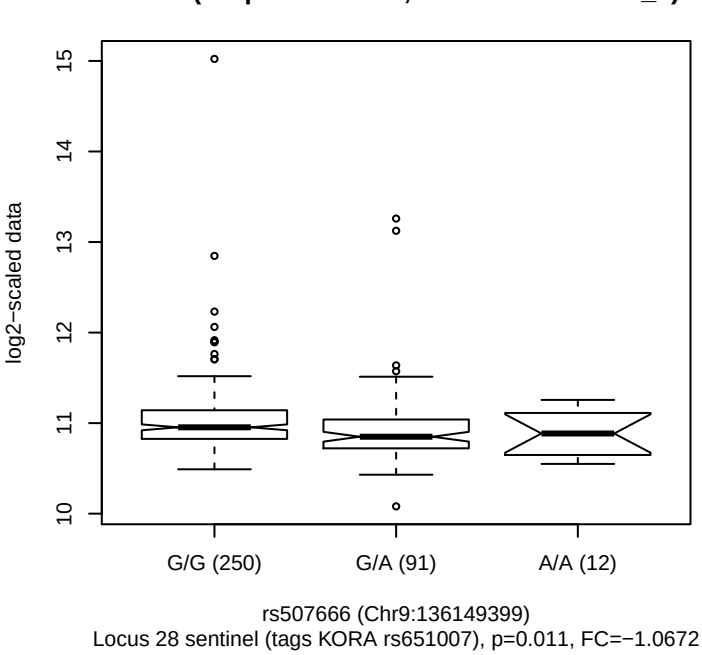

JAG1 (Uniprot: P78504, ProbeID: 5092−51_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Protein jagged−1

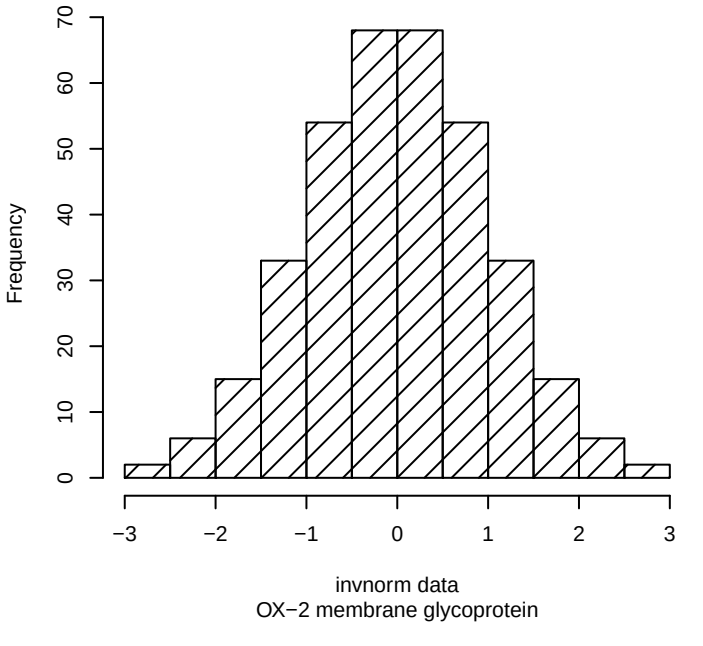

JAG1 (Uniprot: P78504, ProbeID: 5092−51_3)
invnorm data
−2
−1
0
1
2
A/A (241)
A/G (101)
G/G (11)
rs579459 (Chr9:136154168)
Locus 28 sentinel (tags KORA rs651007), p=0.0058

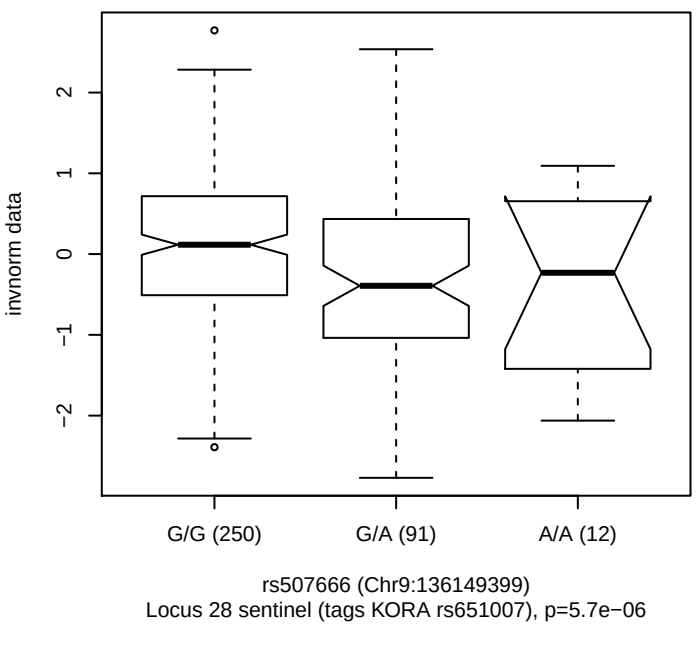

OX2G (Uniprot: P41217, ProbeID: 5112−73_3)
Frequency
0
50
100
150
200
250
300
350
0
5000
10000
15000
20000
25000
30000
35000
raw data
OX−2 membrane glycoprotein

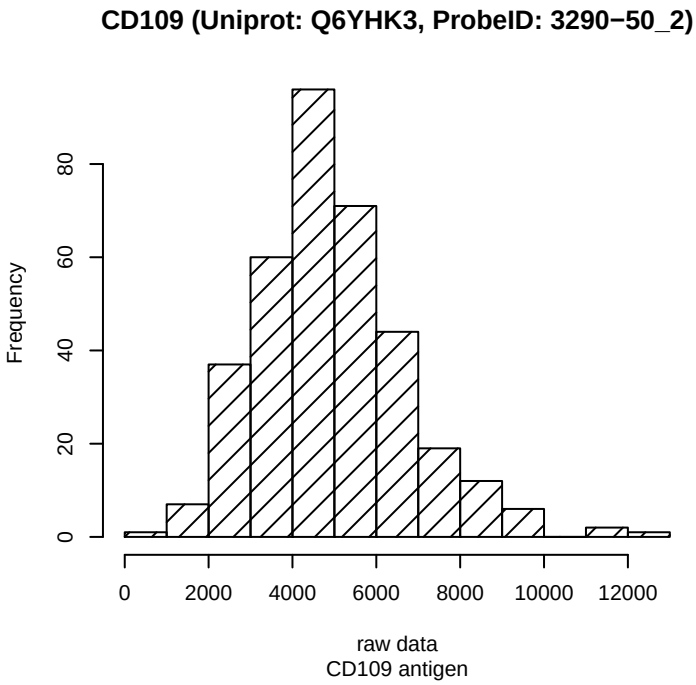

OX2G (Uniprot: P41217, ProbeID: 5112−73_3)
raw data
0
5000
15000
25000
G/G (250)
G/A (91)
A/A (12)
rs507666 (Chr9:136149399)
Locus 28 sentinel (tags KORA rs651007), p=0.31

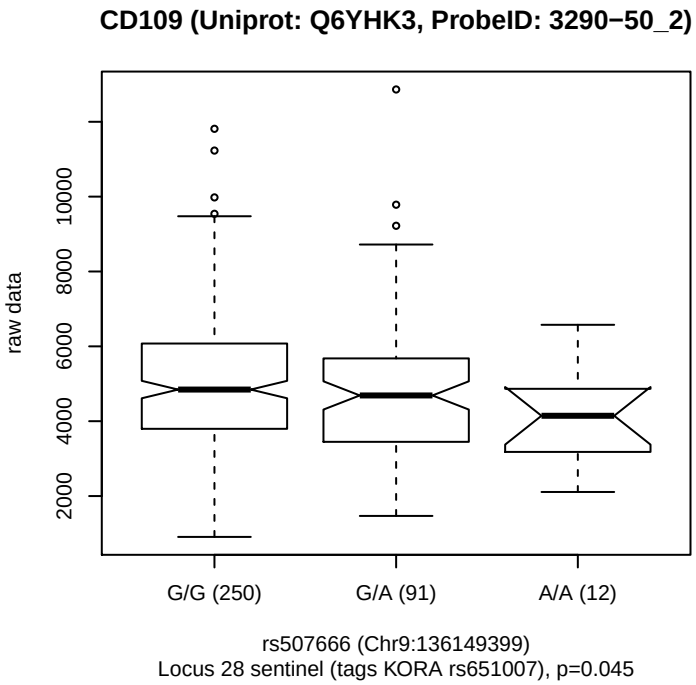

OX2G (Uniprot: P41217, ProbeID: 5112−73_3)
Frequency
0
50
100
150
200
10
11
12
13
14
15
log2−scaled data
OX−2 membrane glycoprotein

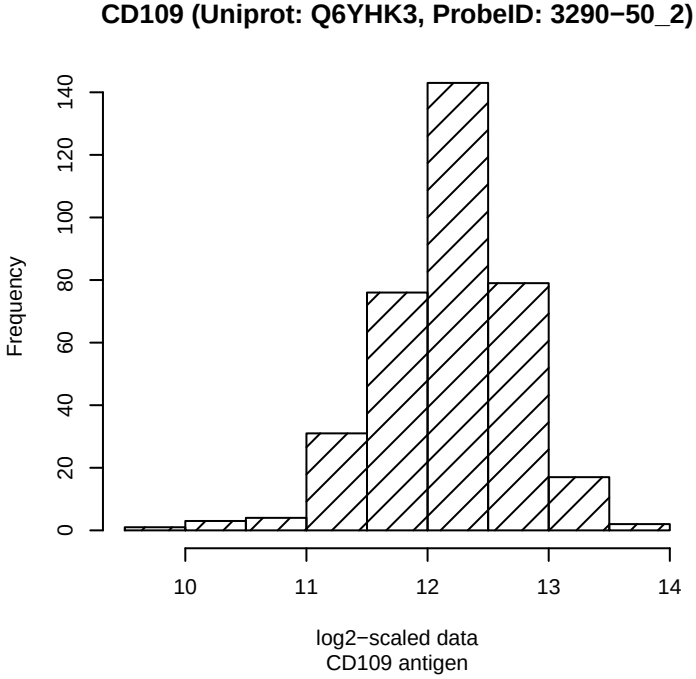

OX2G (Uniprot: P41217, ProbeID: 5112−73_3)
log2−scaled data
10
11
12
13
14
15
G/G (250)
G/A (91)
A/A (12)
rs507666 (Chr9:136149399)
Locus 28 sentinel (tags KORA rs651007), p=0.011, FC=−1.0672

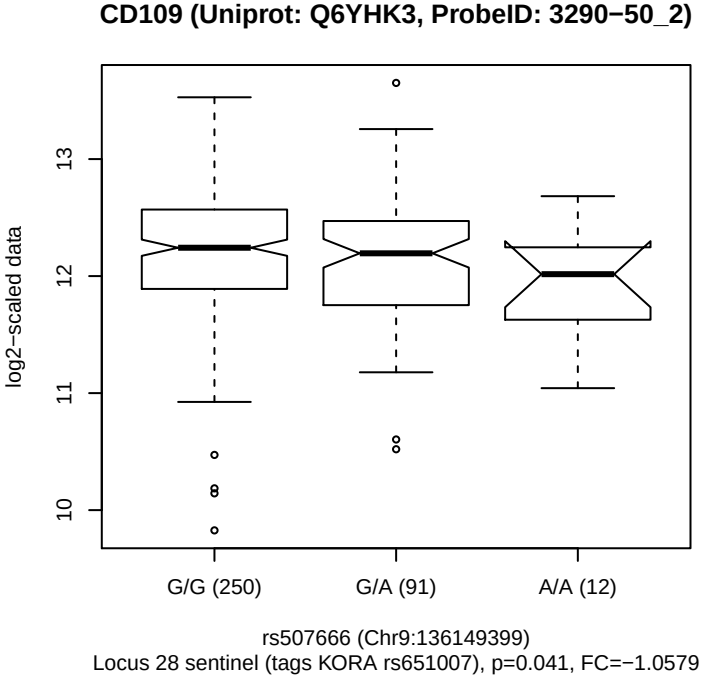

OX2G (Uniprot: P41217, ProbeID: 5112−73_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
OX−2 membrane glycoprotein

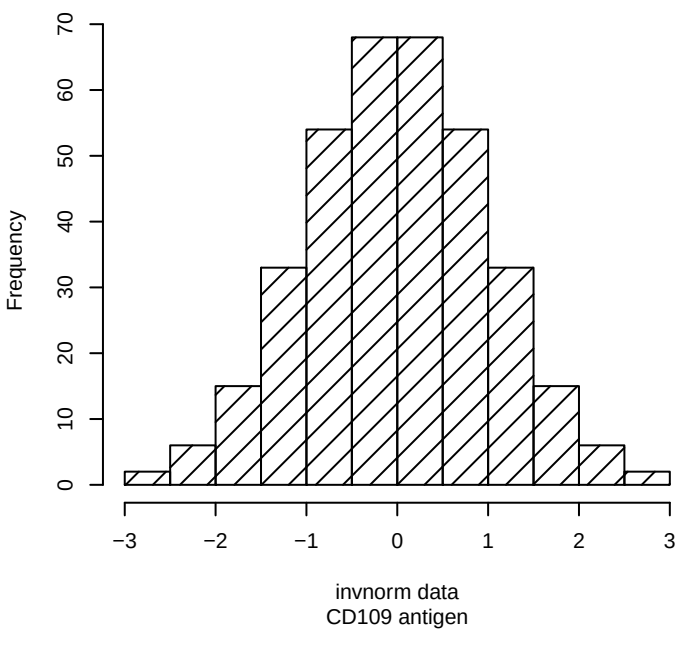

OX2G (Uniprot: P41217, ProbeID: 5112−73_3)
invnorm data
−2
−1
0
1
2
G/G (250)
G/A (91)
A/A (12)
rs507666 (Chr9:136149399)
Locus 28 sentinel (tags KORA rs651007), p=5.7e−06

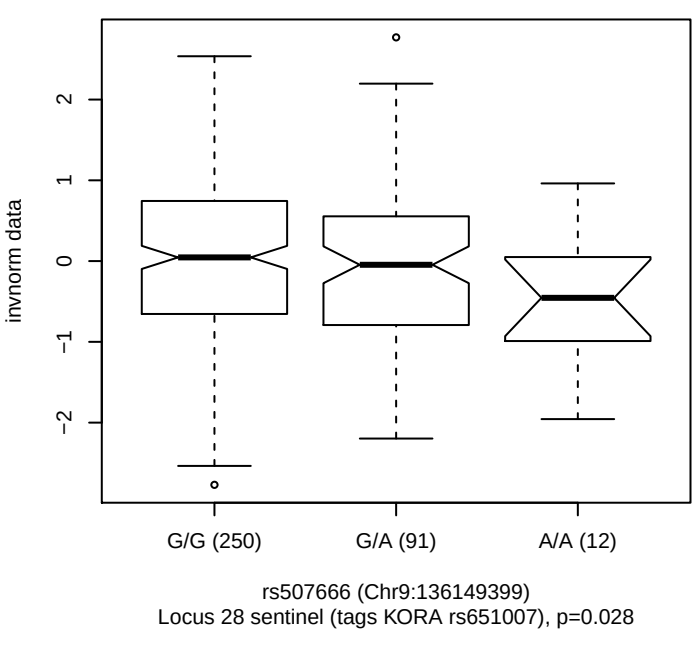

CD109 (Uniprot: Q6YHK3, ProbeID: 3290−50_2)
Frequency
0
20
40
60
80
0
2000
4000
6000
8000
10000
12000
raw data
CD109 antigen


CD109 (Uniprot: Q6YHK3, ProbeID: 3290−50_2)
raw data
2000
4000
6000
8000
10000
G/G (250)
G/A (91)
A/A (12)
rs507666 (Chr9:136149399)
Locus 28 sentinel (tags KORA rs651007), p=0.045

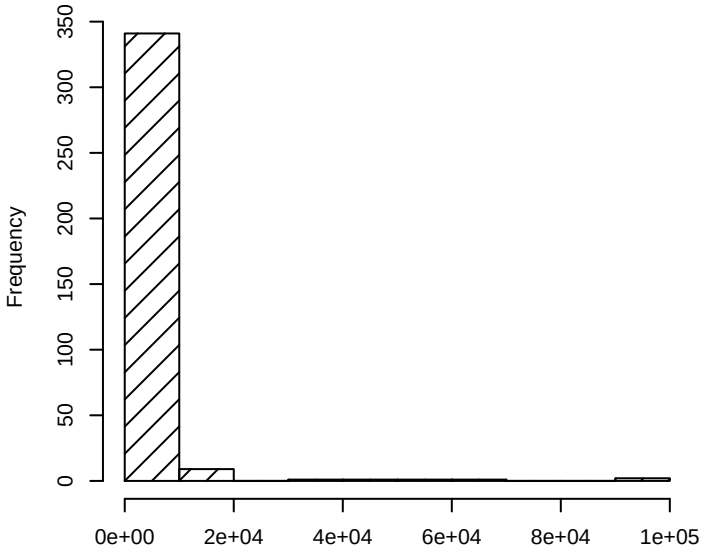

CD109 (Uniprot: Q6YHK3, ProbeID: 3290−50_2)
Frequency
0
20
40
60
80
100
120
140
10
11
12
13
14
log2−scaled data
CD109 antigen


CD109 (Uniprot: Q6YHK3, ProbeID: 3290−50_2)
log2−scaled data
10
11
12
13
G/G (250)
G/A (91)
A/A (12)
rs507666 (Chr9:136149399)
Locus 28 sentinel (tags KORA rs651007), p=0.041, FC=−1.0579

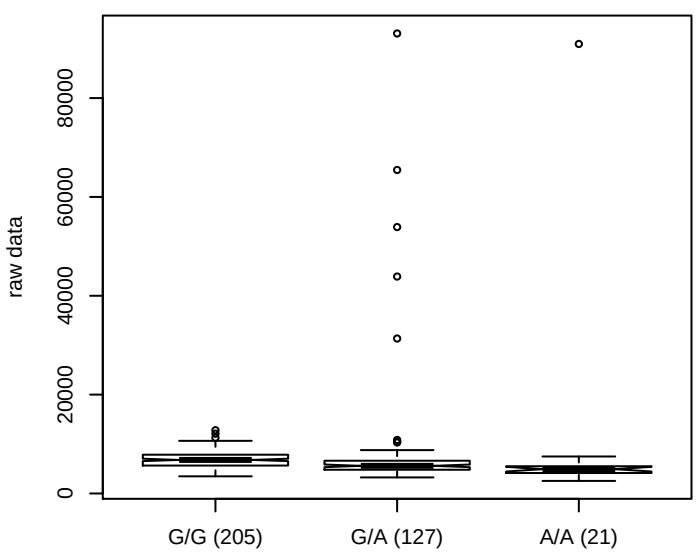

CD109 (Uniprot: Q6YHK3, ProbeID: 3290−50_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
CD109 antigen


CD109 (Uniprot: Q6YHK3, ProbeID: 3290−50_2)
invnorm data
−2
−1
0
1
2
G/G (250)
G/A (91)
A/A (12)
rs507666 (Chr9:136149399)
Locus 28 sentinel (tags KORA rs651007), p=0.028

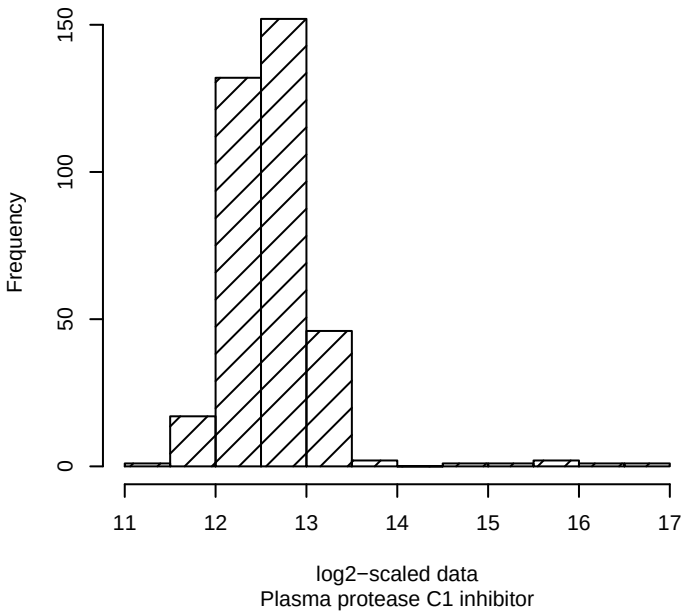
C1−Esterase Inhibitor (Uniprot: P05155, ProbeID: 4479−14



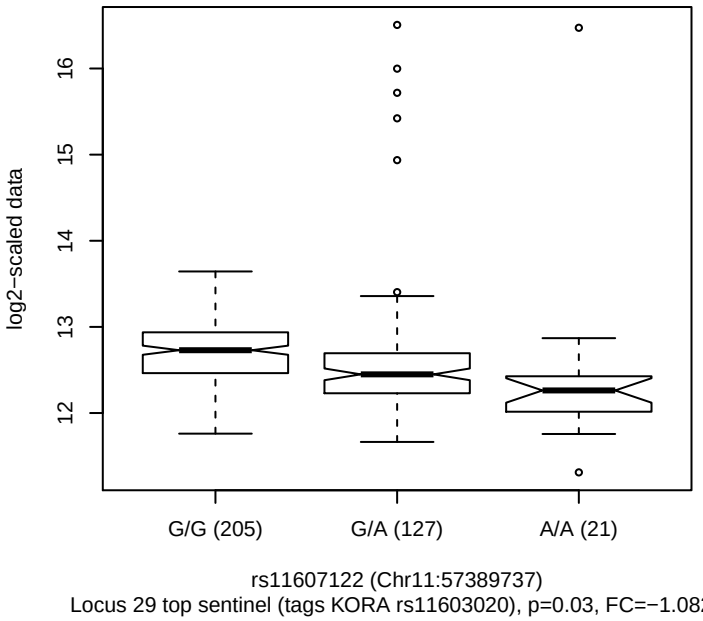
C1−Esterase Inhibitor (Uniprot: P05155, ProbeID: 4479−14



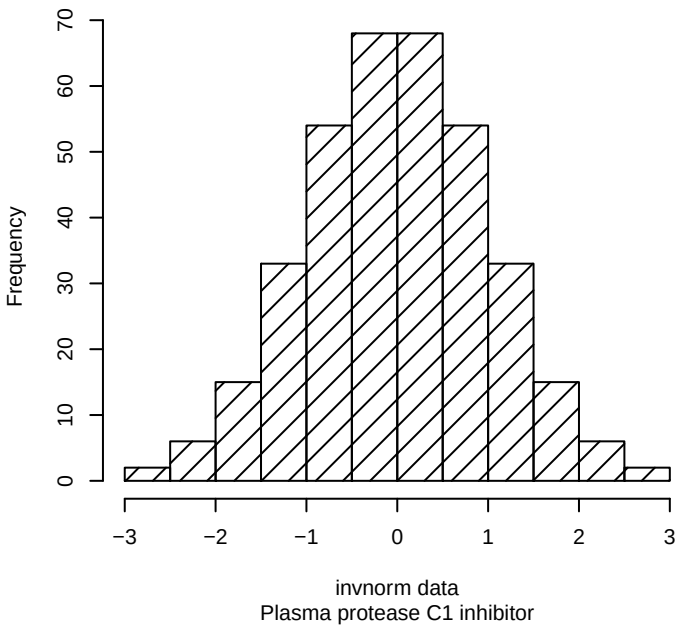
C1−Esterase Inhibitor (Uniprot: P05155, ProbeID: 4479−14



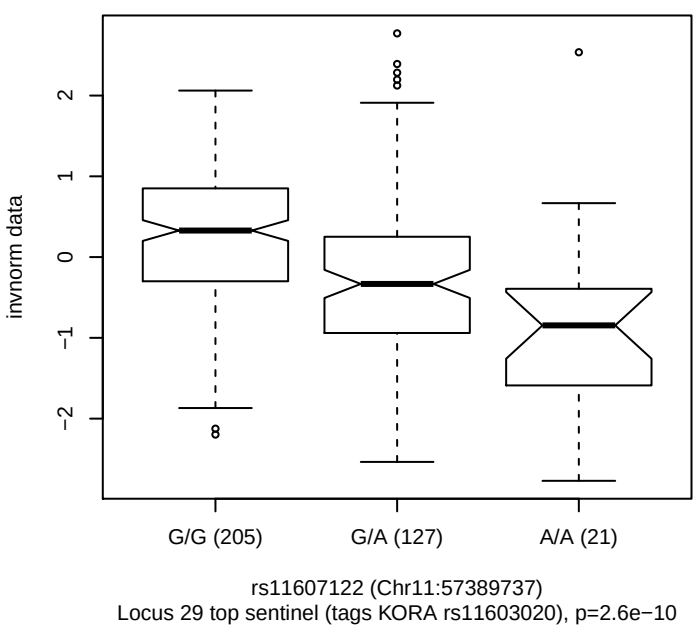
C1−Esterase Inhibitor (Uniprot: P05155, ProbeID: 4479−14

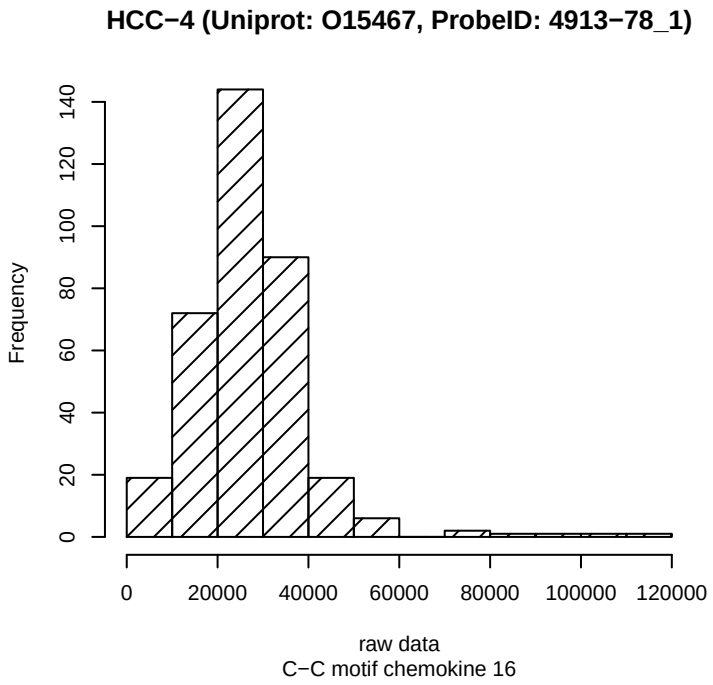


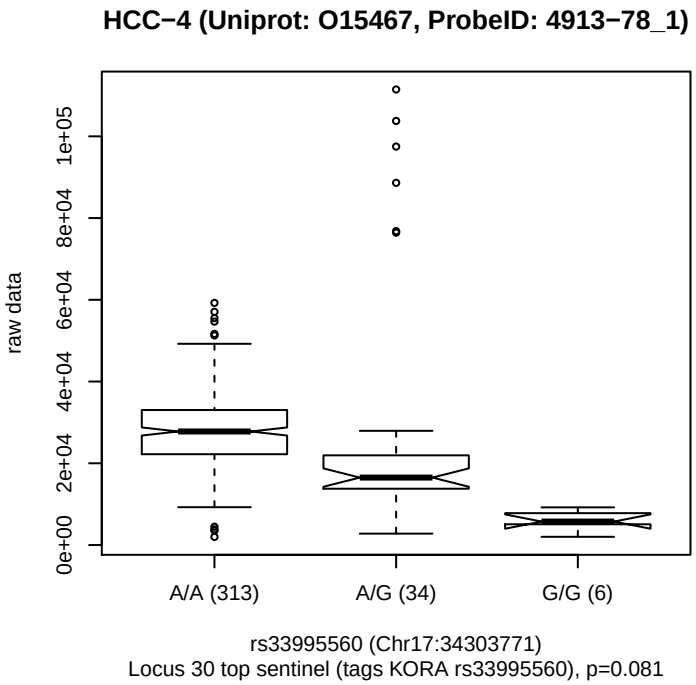
C1−Esterase Inhibitor (Uniprot: P05155, ProbeID: 4479−14

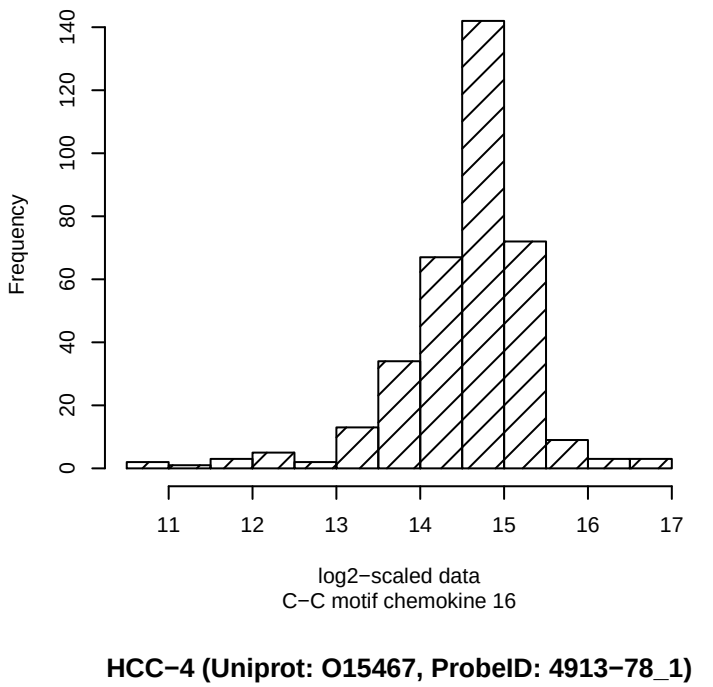


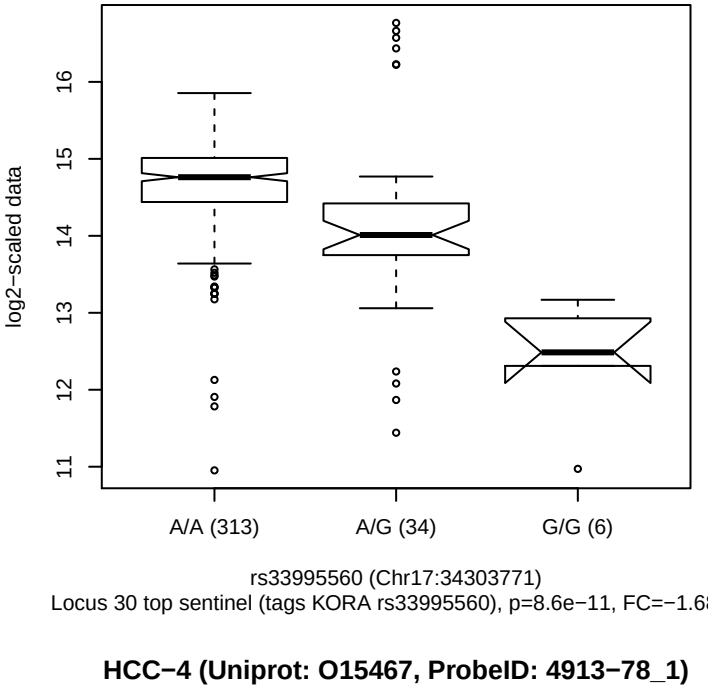
C1−Esterase Inhibitor (Uniprot: P05155, ProbeID: 4479−14

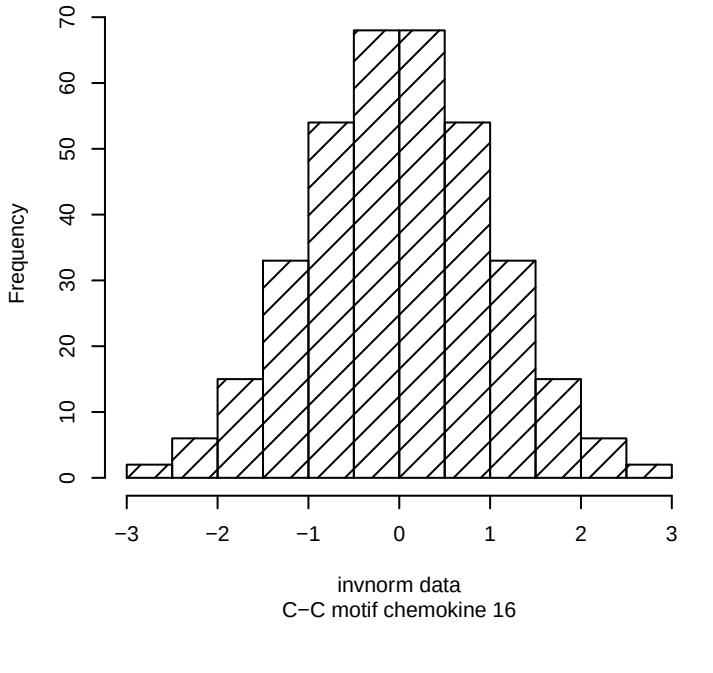


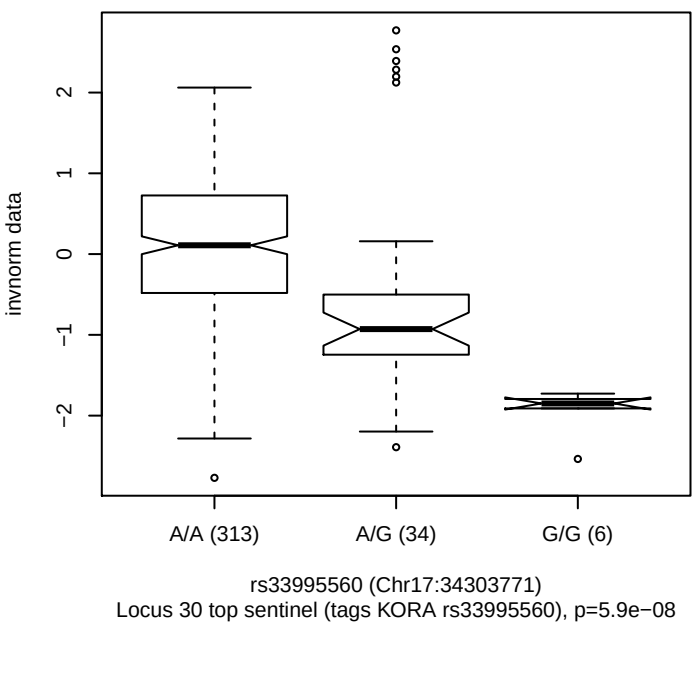

HCC−4 (Uniprot: O15467, ProbeID: 4913−78_1)
Frequency
0
20
40
60
80
100
120
140
0
20000
40000
60000
80000
100000
120000
raw data
C−C motif chemokine 16

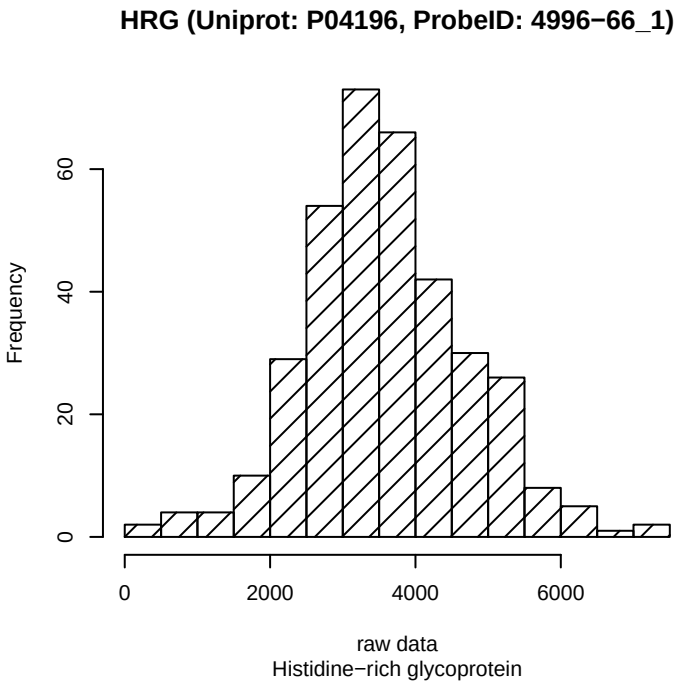

HCC−4 (Uniprot: O15467, ProbeID: 4913−78_1)
raw data
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
A/A (313)
A/G (34)
G/G (6)
rs33995560 (Chr17:34303771)
Locus 30 top sentinel (tags KORA rs33995560), p=0.081

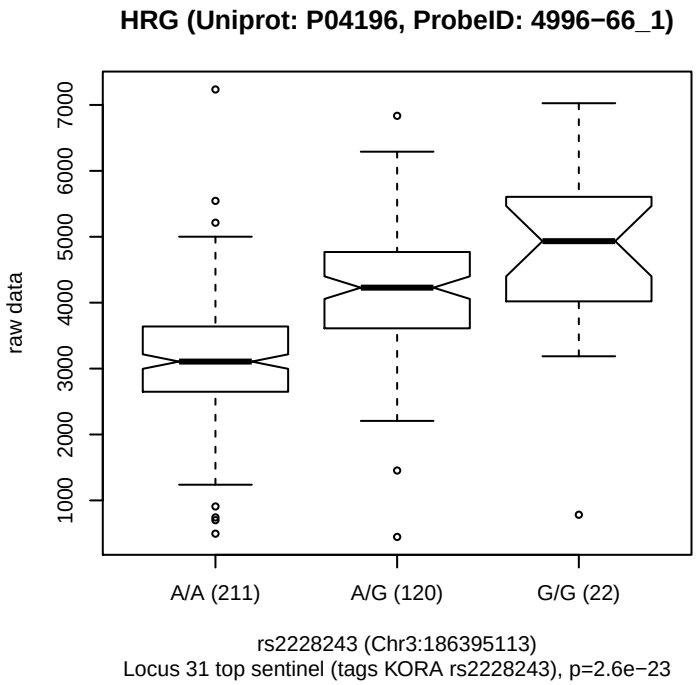

HCC−4 (Uniprot: O15467, ProbeID: 4913−78_1)
Frequency
0
20
40
60
80
100
120
140
11
12
13
14
15
16
17
log2−scaled data
C−C motif chemokine 16

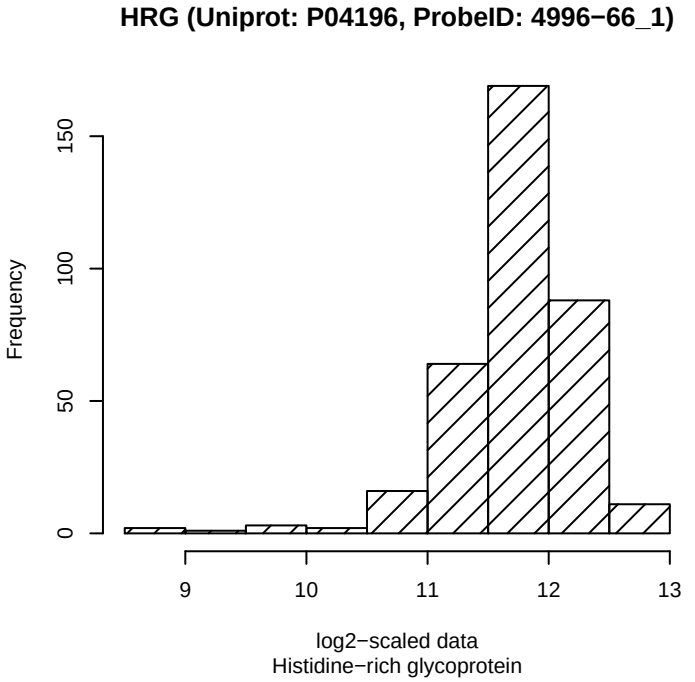

HCC−4 (Uniprot: O15467, ProbeID: 4913−78_1)
log2−scaled data
11
12
13
14
15
16
A/A (313)
A/G (34)
G/G (6)
rs33995560 (Chr17:34303771)
Locus 30 top sentinel (tags KORA rs33995560), p=8.6e−11, FC=−1.6826

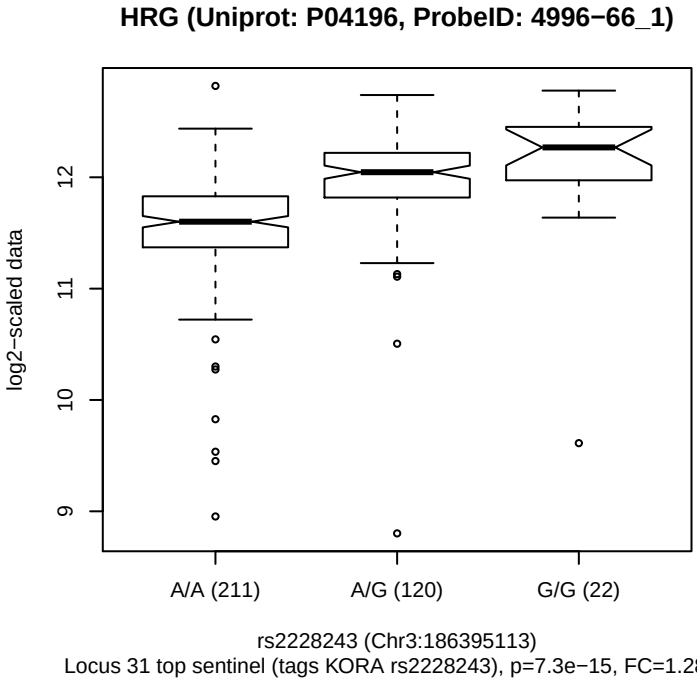

HCC−4 (Uniprot: O15467, ProbeID: 4913−78_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 16

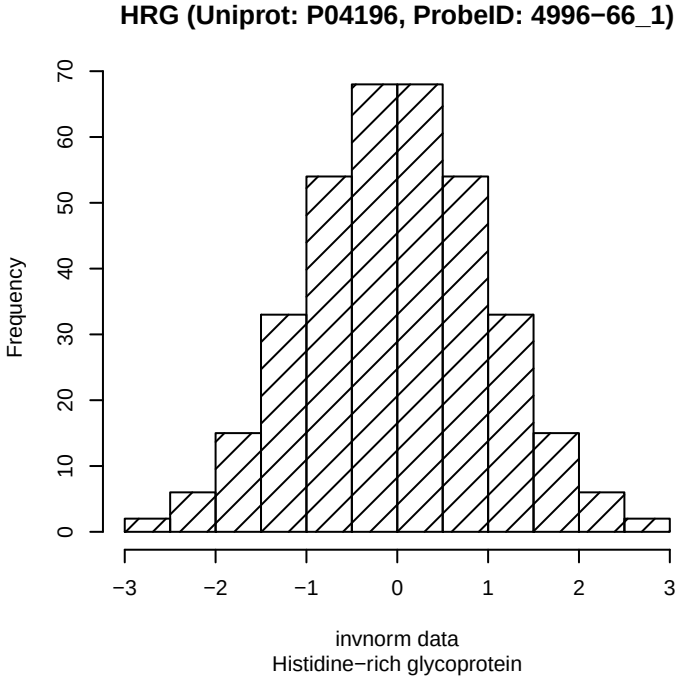

HCC−4 (Uniprot: O15467, ProbeID: 4913−78_1)
invnorm data
−2
−1
0
1
2
A/A (313)
A/G (34)
G/G (6)
rs33995560 (Chr17:34303771)
Locus 30 top sentinel (tags KORA rs33995560), p=5.9e−08

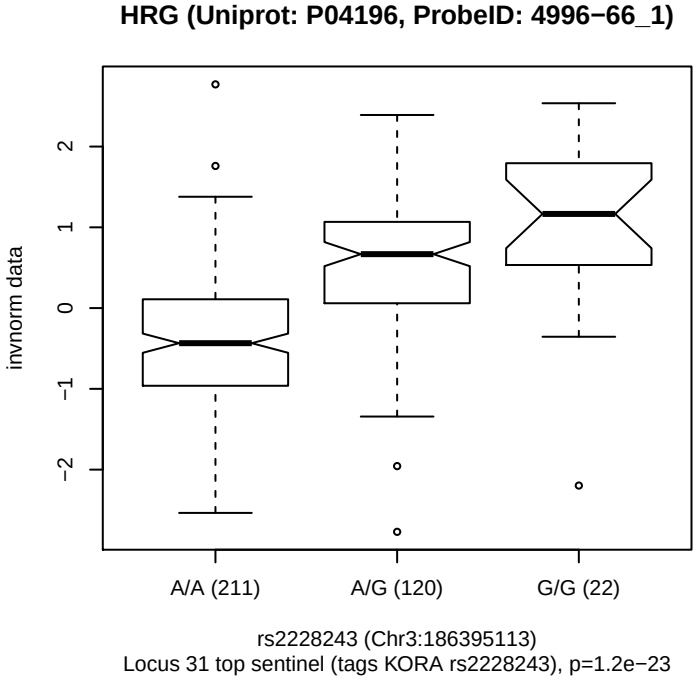

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
Frequency
0
20
40
60
0
2000
4000
6000
raw data
Histidine−rich glycoprotein

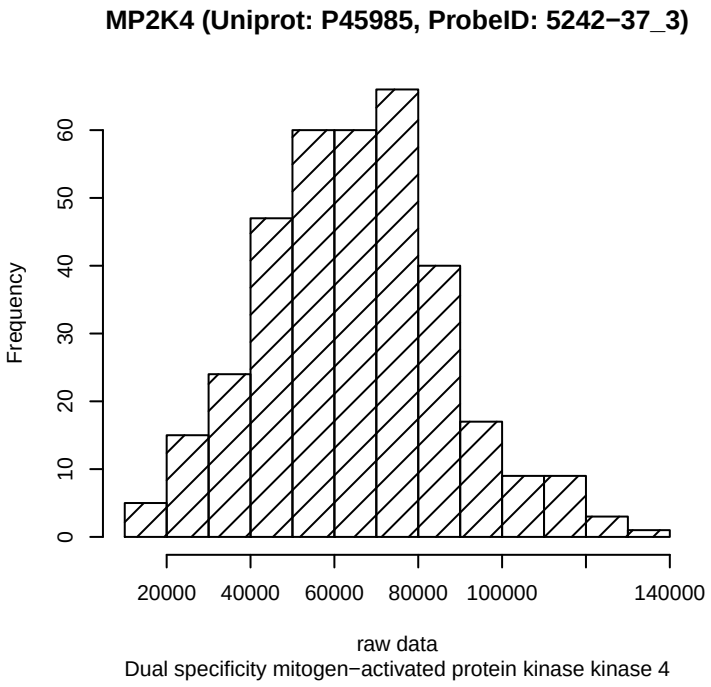

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
raw data
1000
2000
3000
4000
5000
6000
7000
A/A (211)
A/G (120)
G/G (22)
rs2228243 (Chr3:186395113)
Locus 31 top sentinel (tags KORA rs2228243), p=2.6e−23

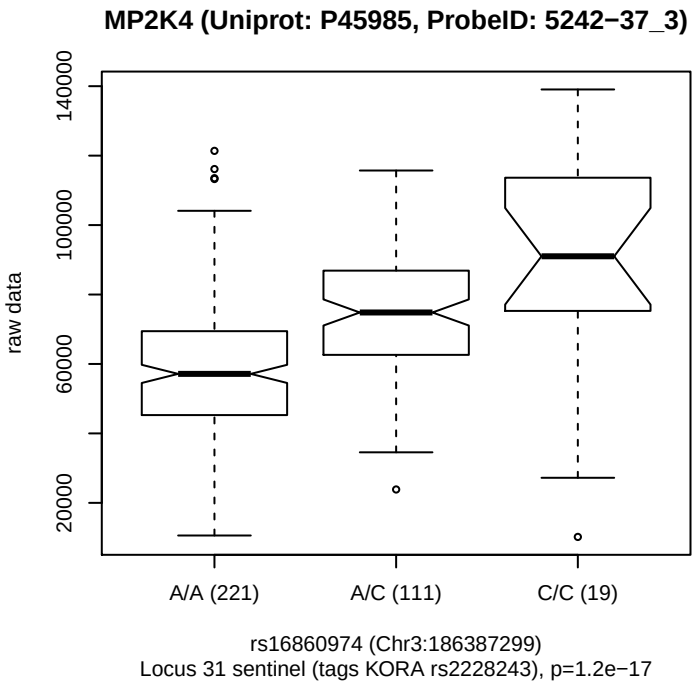

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
Frequency
0
50
100
150
9
10
11
12
13
log2−scaled data
Histidine−rich glycoprotein

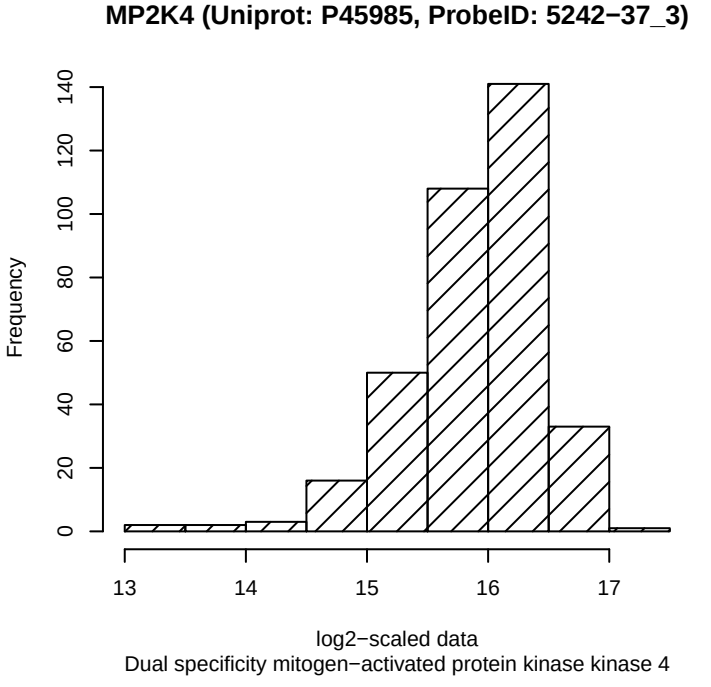

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
log2−scaled data
9
10
11
12
A/A (211)
A/G (120)
G/G (22)
rs2228243 (Chr3:186395113)
Locus 31 top sentinel (tags KORA rs2228243), p=7.3e−15, FC=1.2883

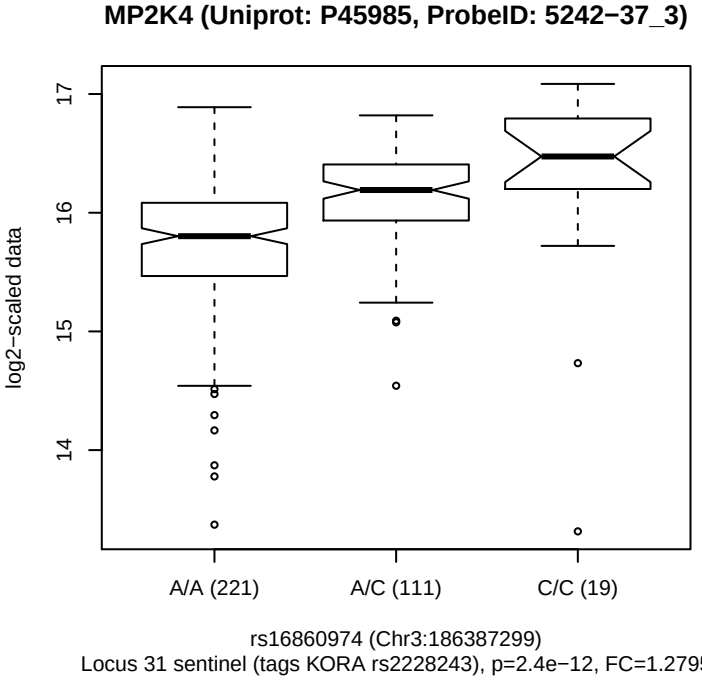

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Histidine−rich glycoprotein

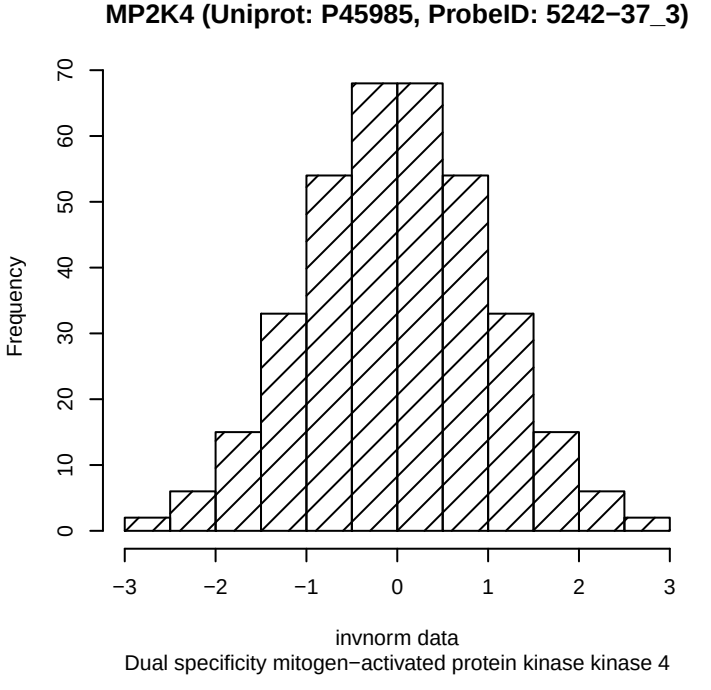

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
invnorm data
−2
−1
0
1
2
A/A (211)
A/G (120)
G/G (22)
rs2228243 (Chr3:186395113)
Locus 31 top sentinel (tags KORA rs2228243), p=1.2e−23

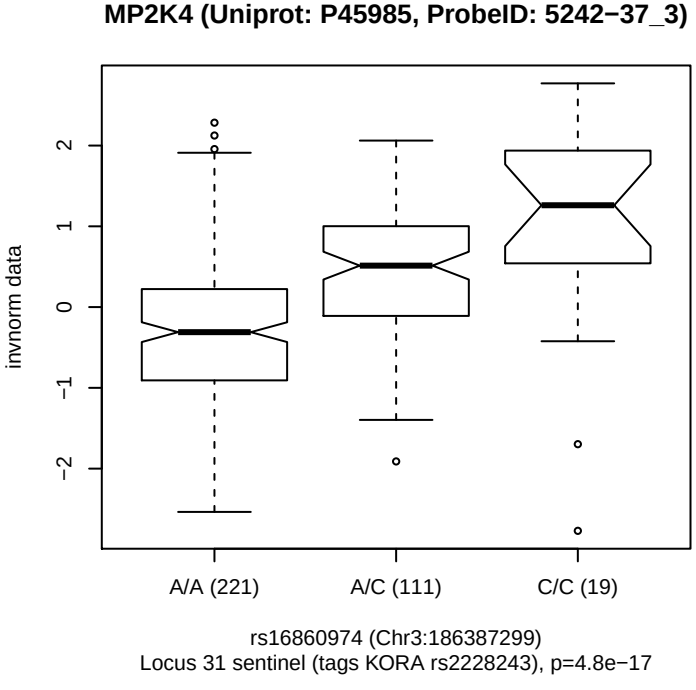

MP2K4 (Uniprot: P45985, ProbeID: 5242−37_3)
Frequency
0
10
20
30
40
50
60
20000
40000
60000
80000
100000
140000
raw data
Dual specificity mitogen−activated protein kinase kinase 4

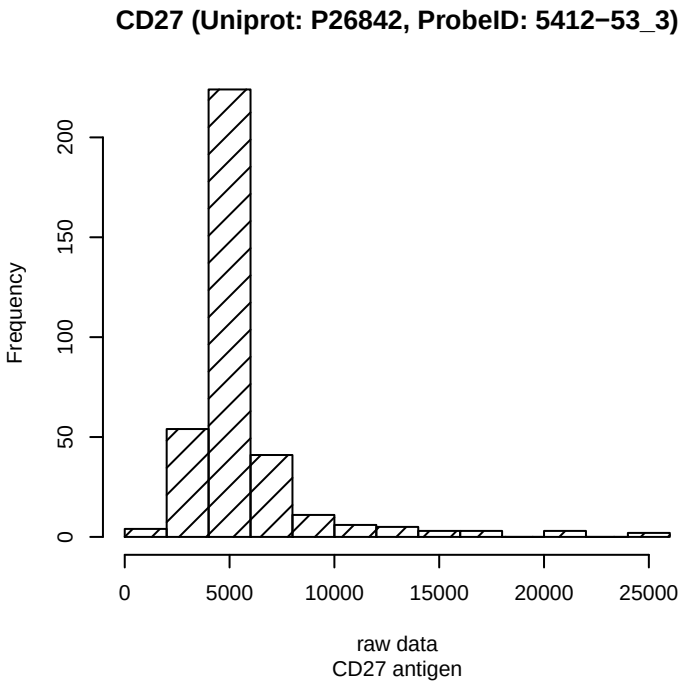

MP2K4 (Uniprot: P45985, ProbeID: 5242−37_3)
raw data
20000
60000
100000
140000
A/A (221)
A/C (111)
C/C (19)
rs16860974 (Chr3:186387299)
Locus 31 sentinel (tags KORA rs2228243), p=1.2e−17

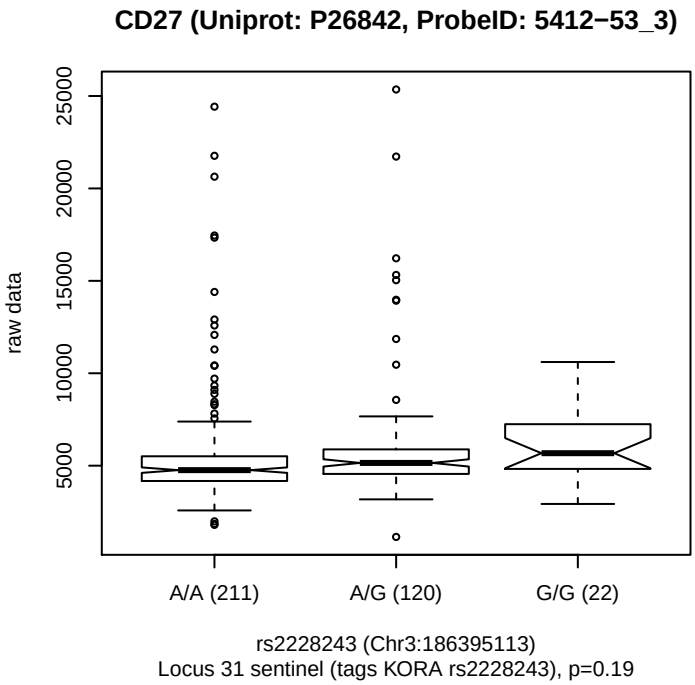

MP2K4 (Uniprot: P45985, ProbeID: 5242−37_3)
Frequency
0
20
40
60
80
100
120
140
13
14
15
16
17
log2−scaled data
Dual specificity mitogen−activated protein kinase kinase 4

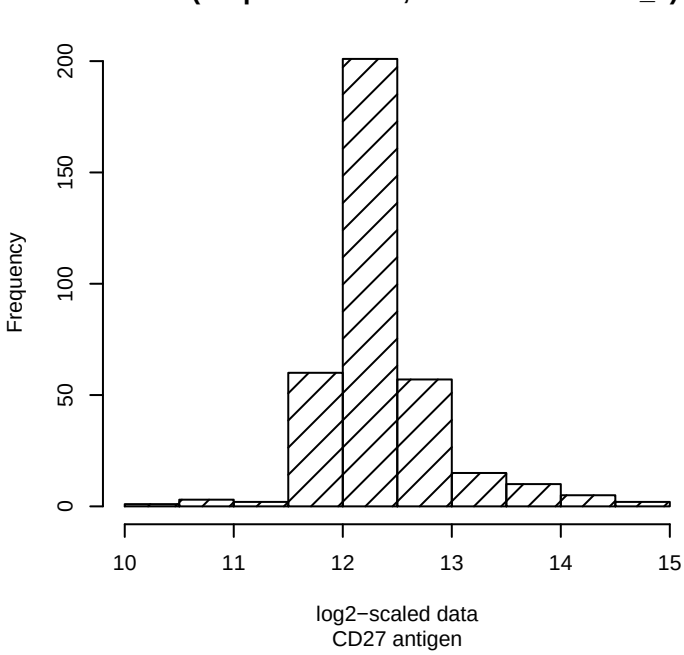

MP2K4 (Uniprot: P45985, ProbeID: 5242−37_3)
log2−scaled data
14
15
16
17
A/A (221)
A/C (111)
C/C (19)
rs16860974 (Chr3:186387299)
Locus 31 sentinel (tags KORA rs2228243), p=2.4e−12, FC=1.2795

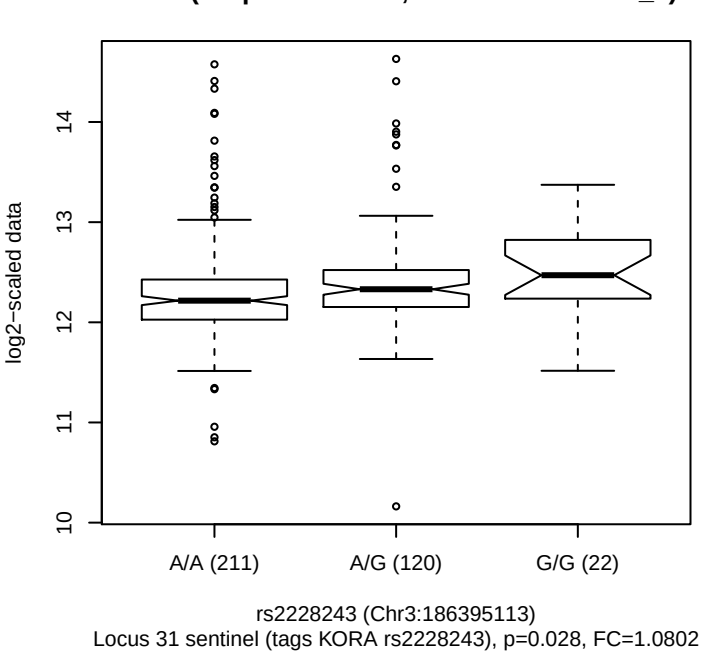

MP2K4 (Uniprot: P45985, ProbeID: 5242−37_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Dual specificity mitogen−activated protein kinase kinase 4

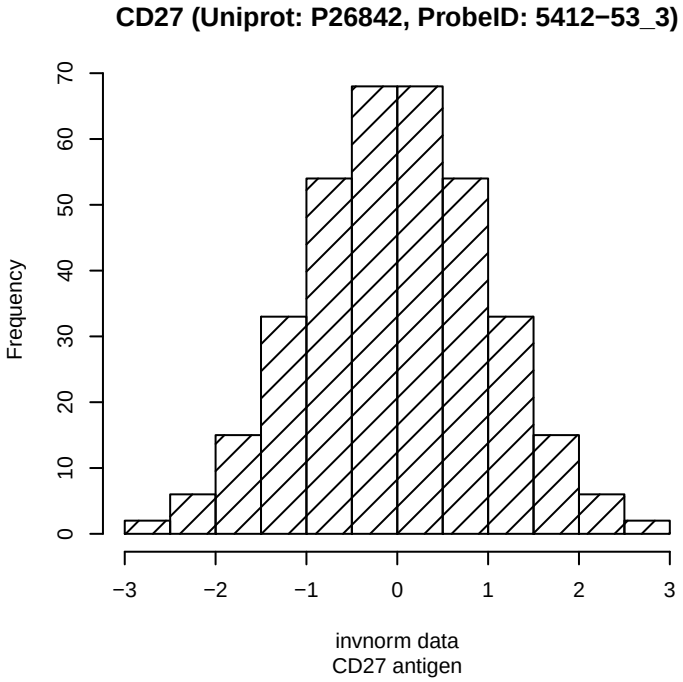

MP2K4 (Uniprot: P45985, ProbeID: 5242−37_3)
invnorm data
−2
−1
0
1
2
A/A (221)
A/C (111)
C/C (19)
rs16860974 (Chr3:186387299)
Locus 31 sentinel (tags KORA rs2228243), p=4.8e−17

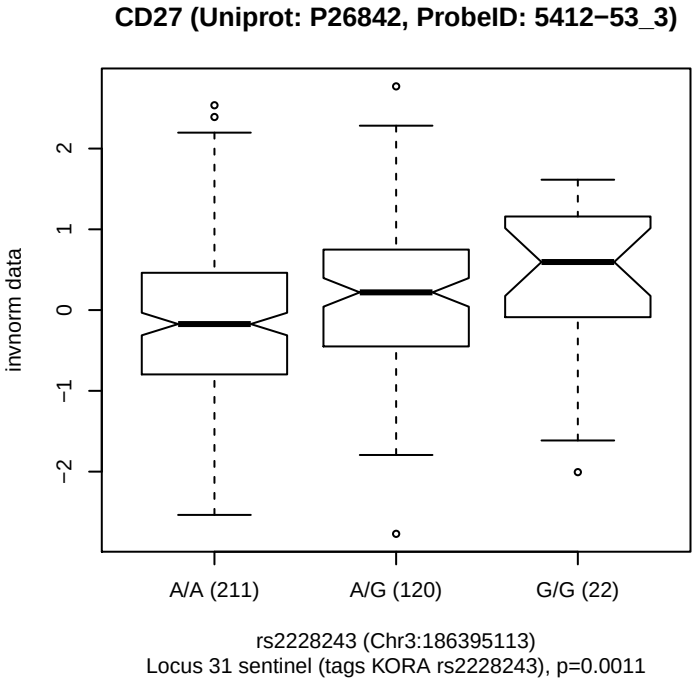

CD27 (Uniprot: P26842, ProbeID: 5412−53_3)
Frequency
0
50
100
150
200
0
5000
10000
15000
20000
25000
raw data
CD27 antigen


CD27 (Uniprot: P26842, ProbeID: 5412−53_3)
raw data
5000
10000
15000
20000
25000
A/A (211)
A/G (120)
G/G (22)
rs2228243 (Chr3:186395113)
Locus 31 sentinel (tags KORA rs2228243), p=0.19

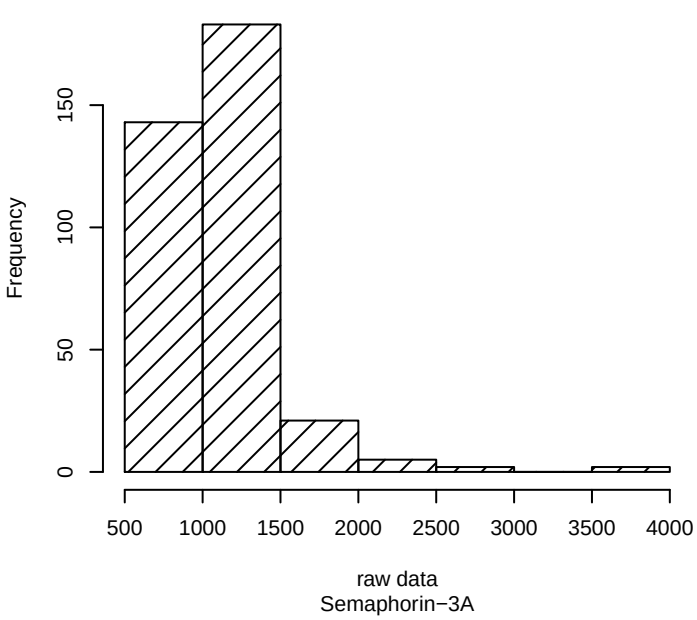

CD27 (Uniprot: P26842, ProbeID: 5412−53_3)
Frequency
0
50
100
150
200
10
11
12
13
14
15
log2−scaled data
CD27 antigen


CD27 (Uniprot: P26842, ProbeID: 5412−53_3)
log2−scaled data
10
11
12
13
14
A/A (211)
A/G (120)
G/G (22)
rs2228243 (Chr3:186395113)
Locus 31 sentinel (tags KORA rs2228243), p=0.028, FC=1.0802

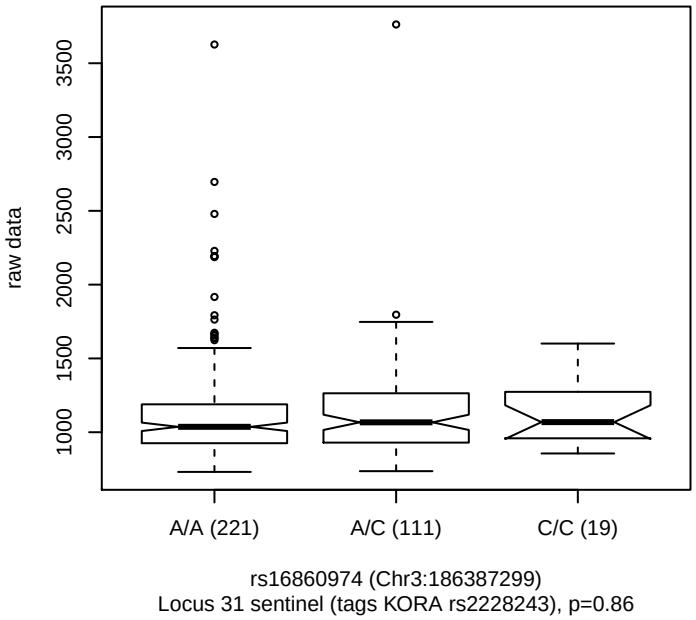

CD27 (Uniprot: P26842, ProbeID: 5412−53_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
CD27 antigen


CD27 (Uniprot: P26842, ProbeID: 5412−53_3)
invnorm data
−2
−1
0
1
2
A/A (211)
A/G (120)
G/G (22)
rs2228243 (Chr3:186395113)
Locus 31 sentinel (tags KORA rs2228243), p=0.0011

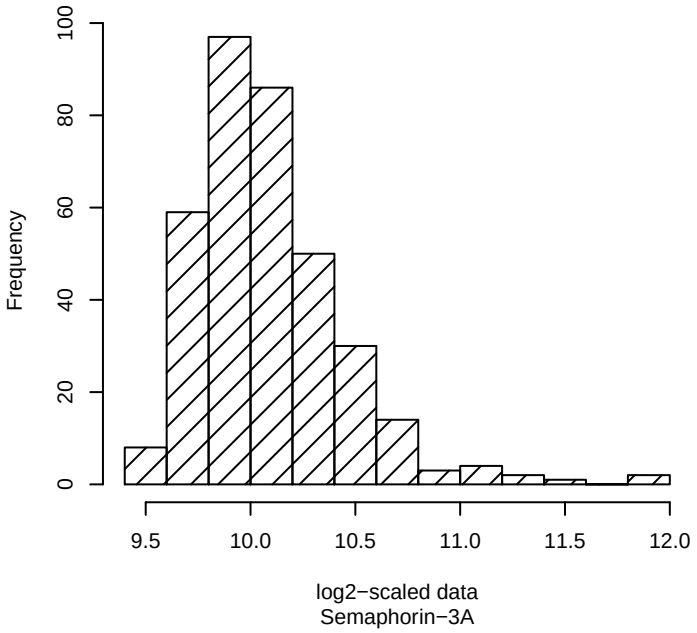
Semaphorin 3A (Uniprot: Q14563, ProbeID: 3222−11_2)



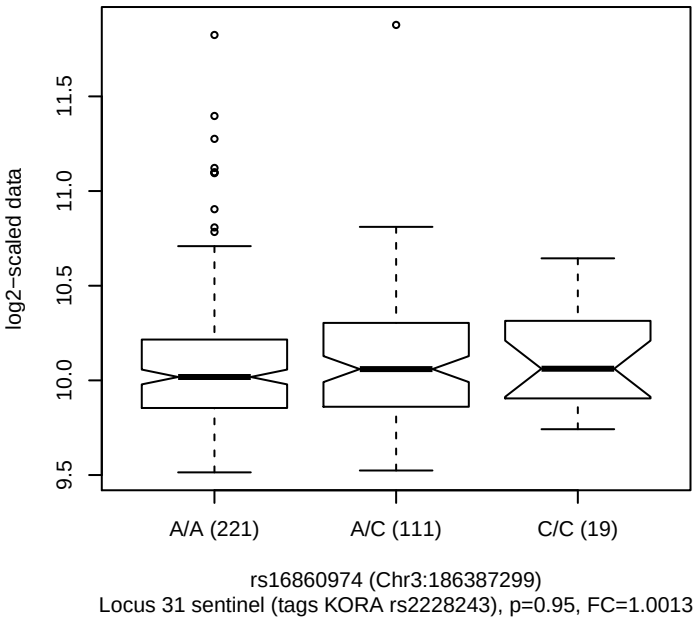
Semaphorin 3A (Uniprot: Q14563, ProbeID: 3222−11_2)



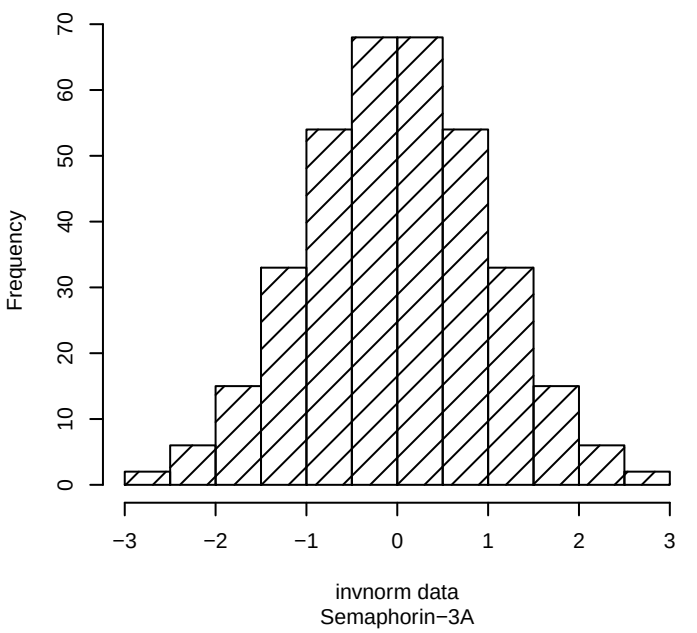
Semaphorin 3A (Uniprot: Q14563, ProbeID: 3222−11_2)



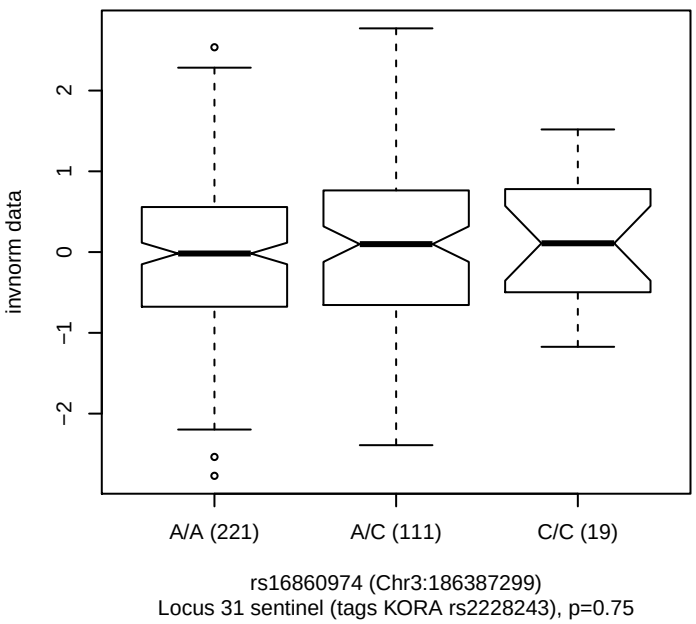
Semaphorin 3A (Uniprot: Q14563, ProbeID: 3222−11_2)

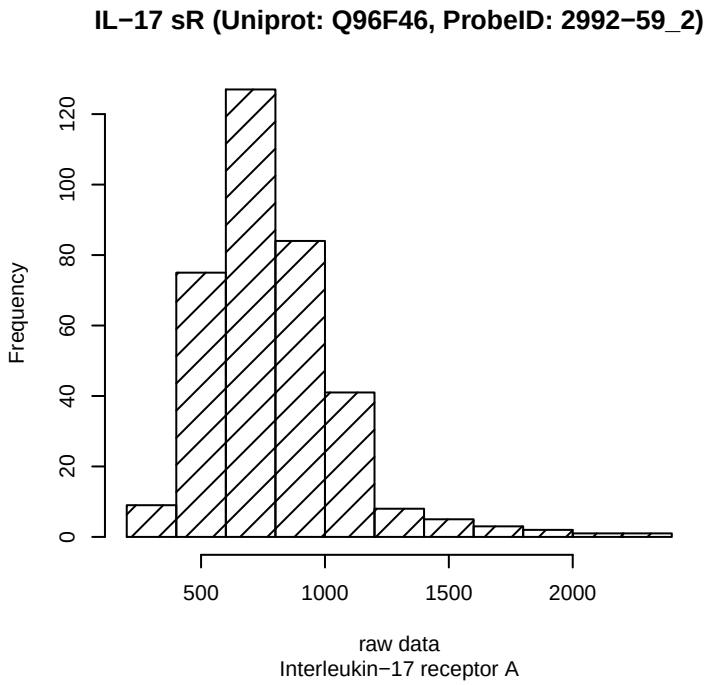


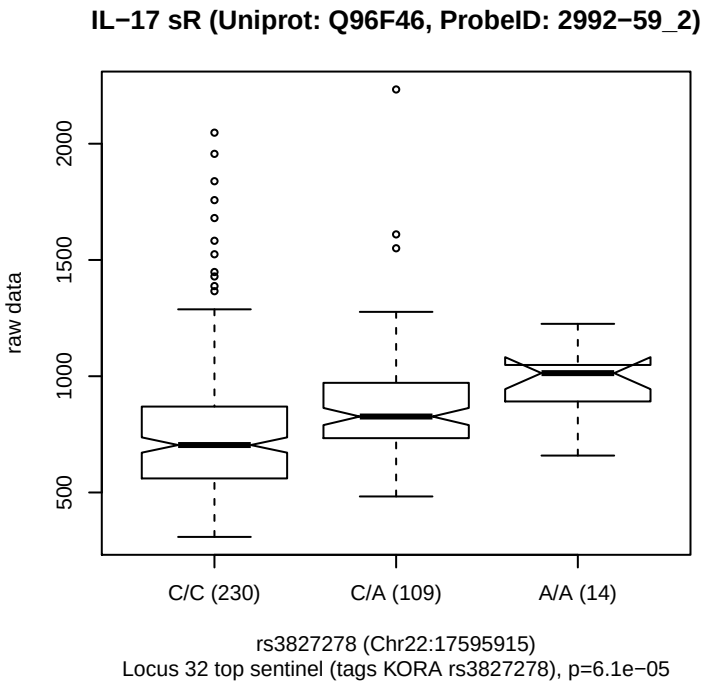
Semaphorin 3A (Uniprot: Q14563, ProbeID: 3222−11_2)

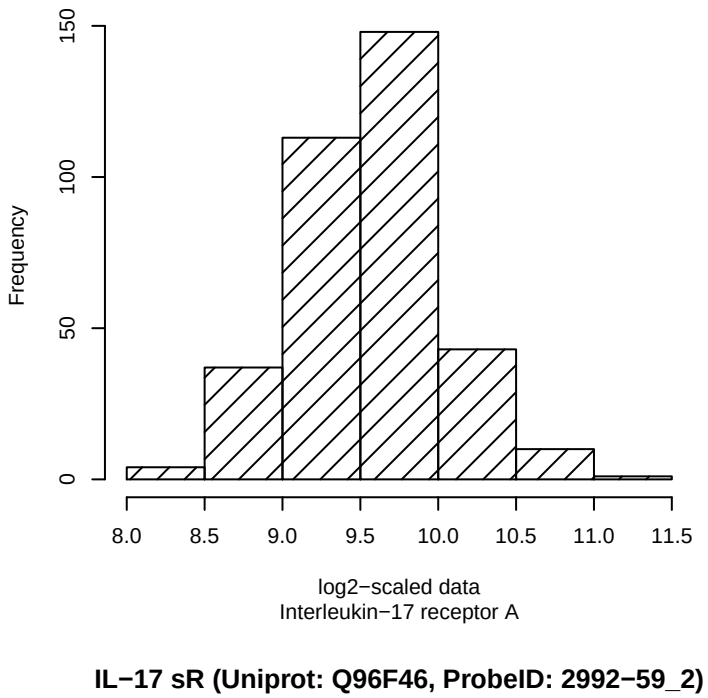


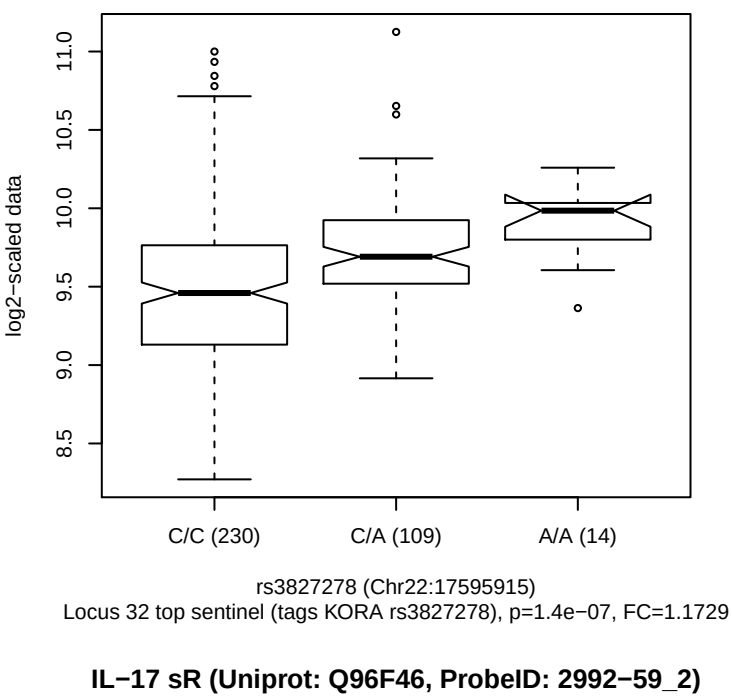
Semaphorin 3A (Uniprot: Q14563, ProbeID: 3222−11_2)

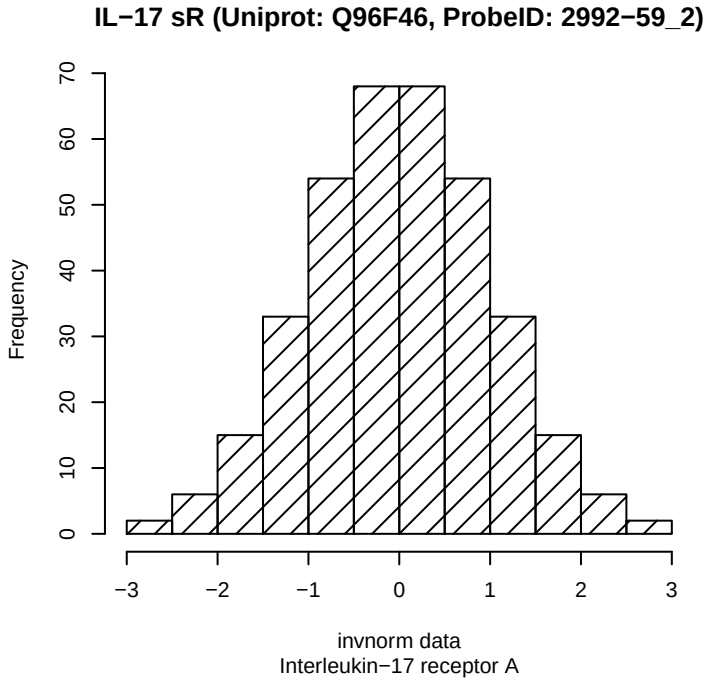


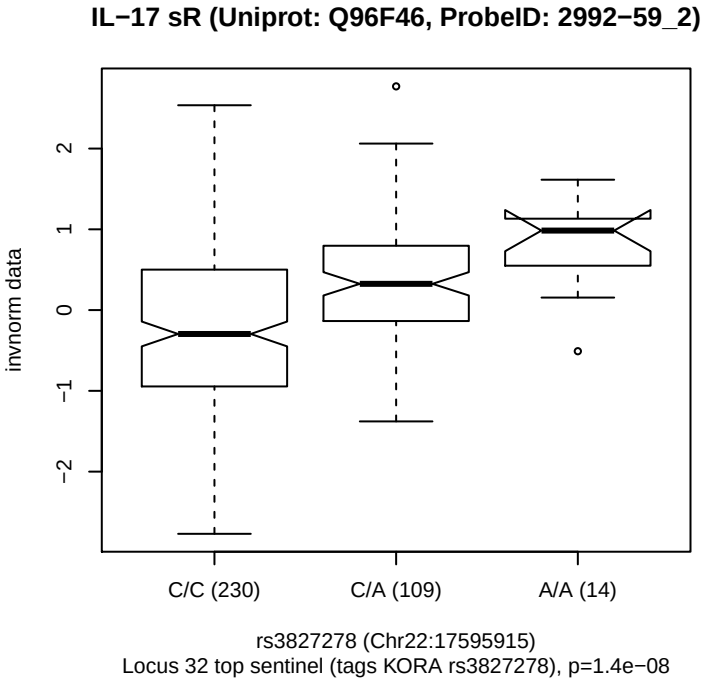

IL−17 sR (Uniprot: Q96F46, ProbeID: 2992−59_2)
Frequency
0
20
40
60
80
100
120
500
1000
1500
2000
raw data
Interleukin−17 receptor A

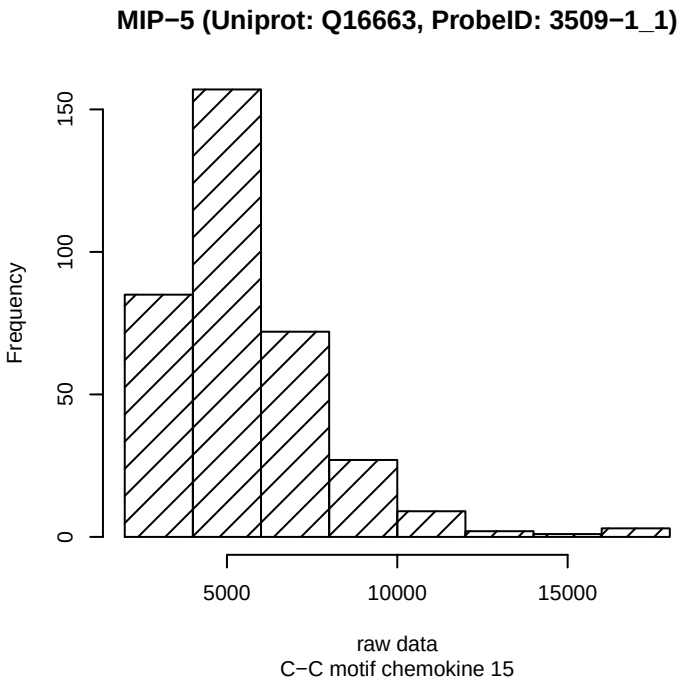

IL−17 sR (Uniprot: Q96F46, ProbeID: 2992−59_2)
raw data
500
1000
1500
2000
C/C (230)
C/A (109)
A/A (14)
rs3827278 (Chr22:17595915)
Locus 32 top sentinel (tags KORA rs3827278), p=6.1e−05

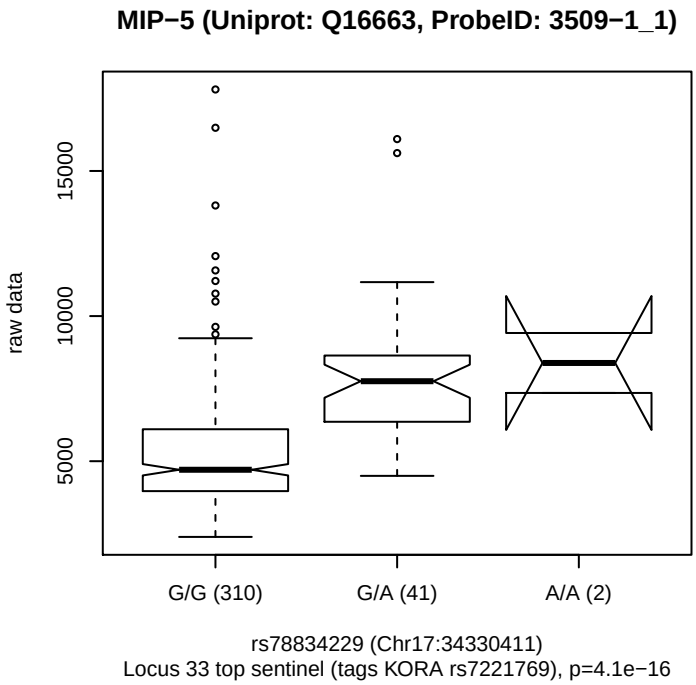

IL−17 sR (Uniprot: Q96F46, ProbeID: 2992−59_2)
Frequency
0
50
100
150
8.0
8.5
9.0
9.5
10.0
10.5
11.0
11.5
log2−scaled data
Interleukin−17 receptor A

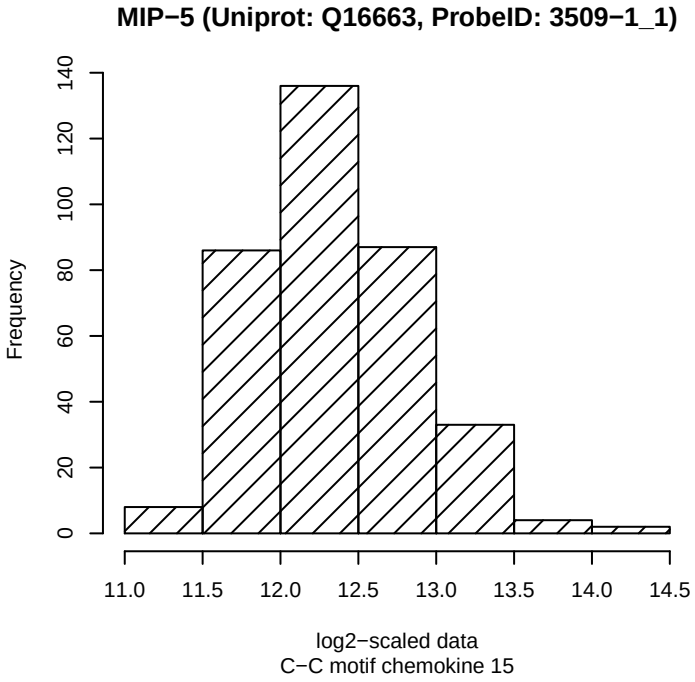

IL−17 sR (Uniprot: Q96F46, ProbeID: 2992−59_2)
log2−scaled data
8.5
9.0
9.5
10.0
10.5
11.0
C/C (230)
C/A (109)
A/A (14)
rs3827278 (Chr22:17595915)
Locus 32 top sentinel (tags KORA rs3827278), p=1.4e−07, FC=1.1729

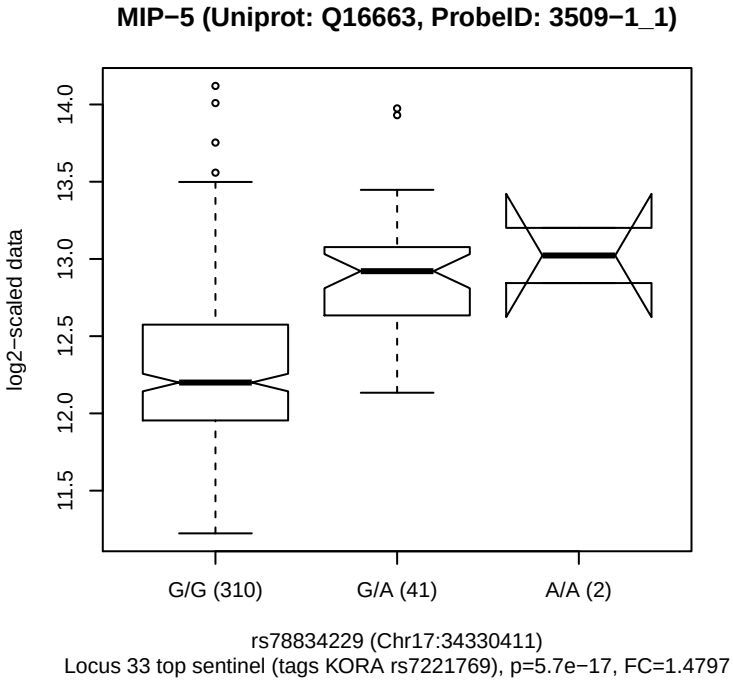

IL−17 sR (Uniprot: Q96F46, ProbeID: 2992−59_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−17 receptor A

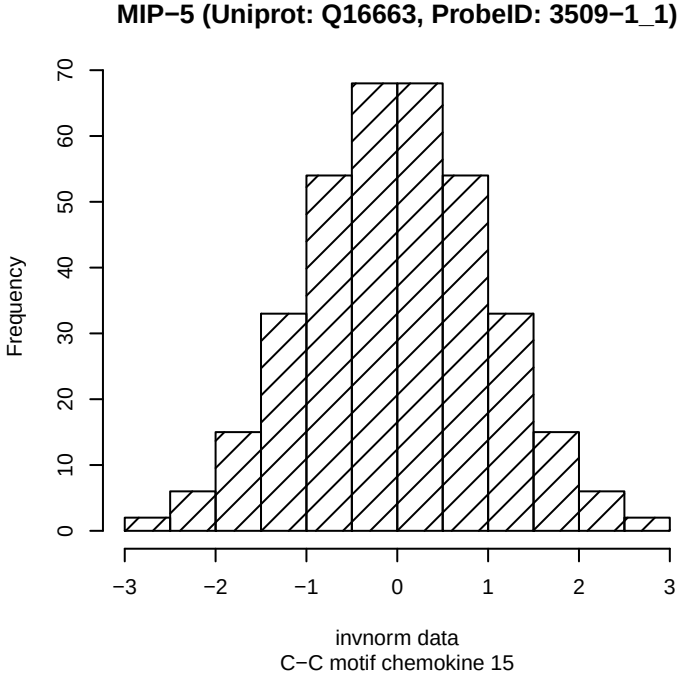

IL−17 sR (Uniprot: Q96F46, ProbeID: 2992−59_2)
invnorm data
−2
−1
0
1
2
C/C (230)
C/A (109)
A/A (14)
rs3827278 (Chr22:17595915)
Locus 32 top sentinel (tags KORA rs3827278), p=1.4e−08

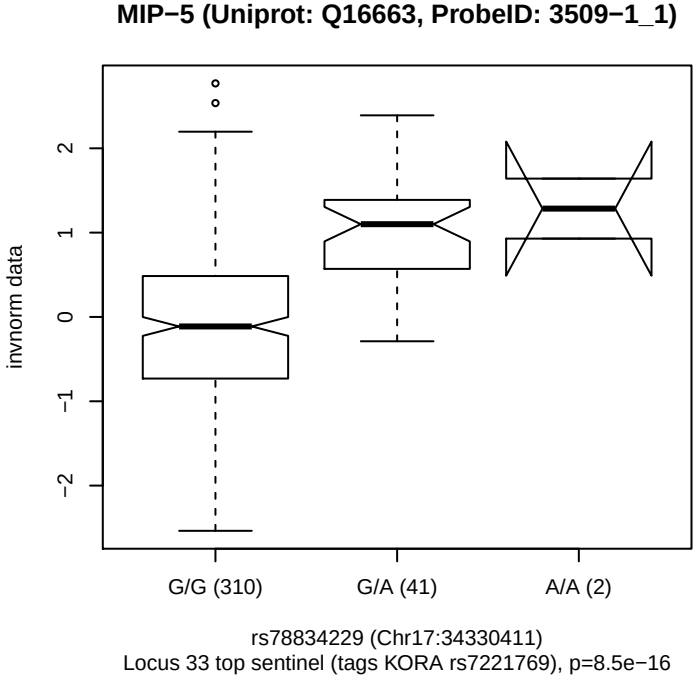

MIP−5 (Uniprot: Q16663, ProbeID: 3509−1_1)
Frequency
0
50
100
150
5000
10000
15000
raw data
C−C motif chemokine 15

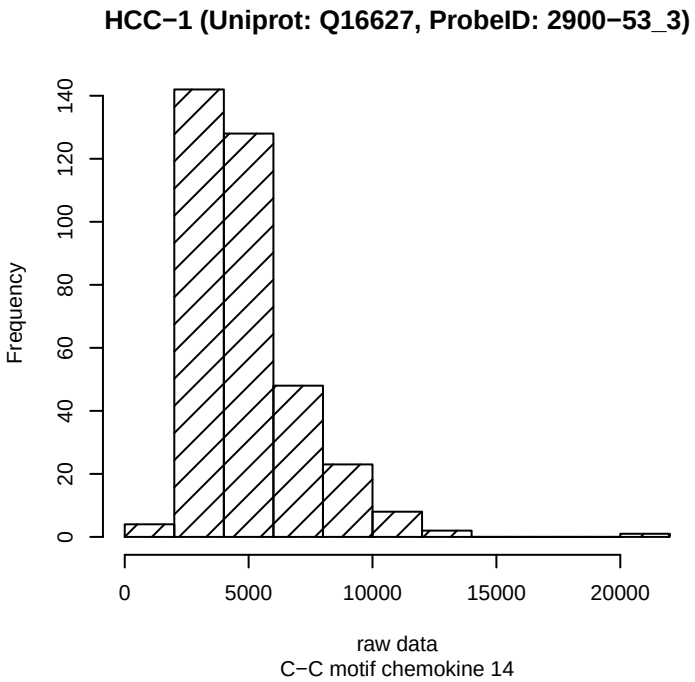

MIP−5 (Uniprot: Q16663, ProbeID: 3509−1_1)
raw data
5000
10000
15000
G/G (310)
G/A (41)
A/A (2)
rs78834229 (Chr17:34330411)
Locus 33 top sentinel (tags KORA rs7221769), p=4.1e−16

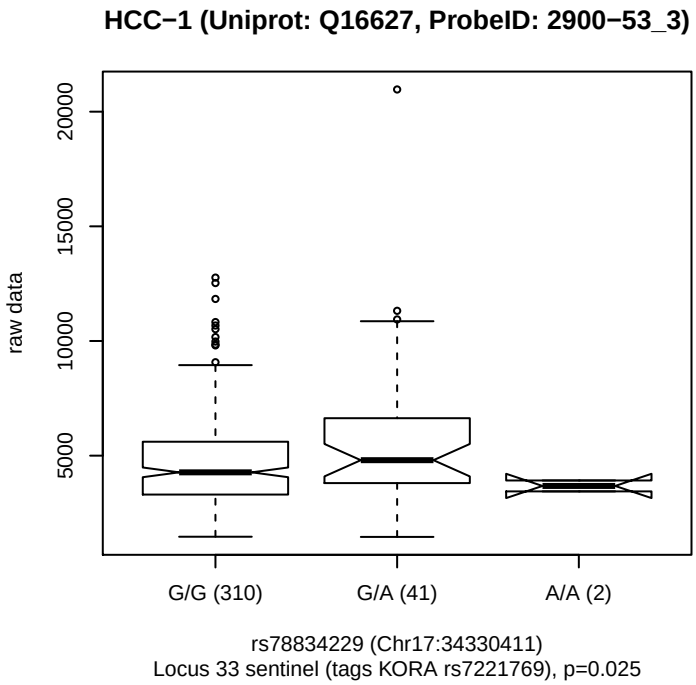

MIP−5 (Uniprot: Q16663, ProbeID: 3509−1_1)
Frequency
0
20
40
60
80
100
120
140
11.0
11.5
12.0
12.5
13.0
13.5
14.0
14.5
log2−scaled data
C−C motif chemokine 15

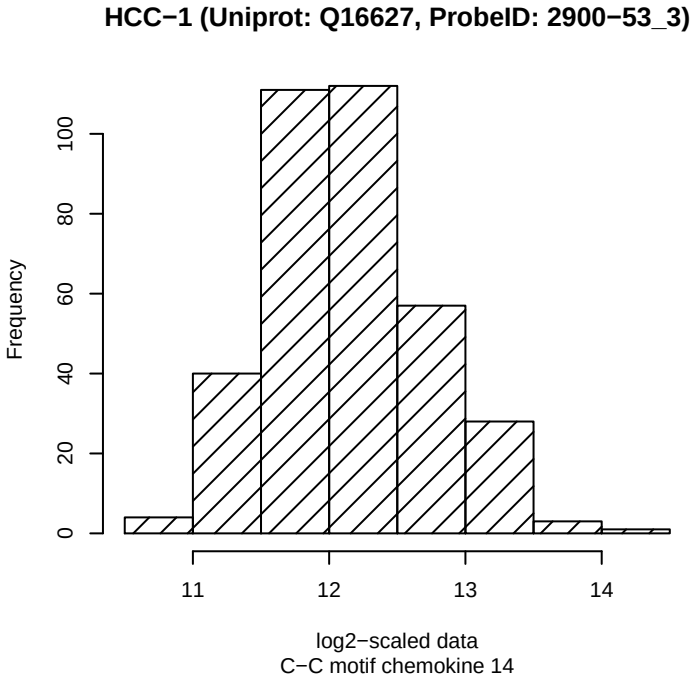

MIP−5 (Uniprot: Q16663, ProbeID: 3509−1_1)
log2−scaled data
11.5
12.0
12.5
13.0
13.5
14.0
G/G (310)
G/A (41)
A/A (2)
rs78834229 (Chr17:34330411)
Locus 33 top sentinel (tags KORA rs7221769), p=5.7e−17, FC=1.4797

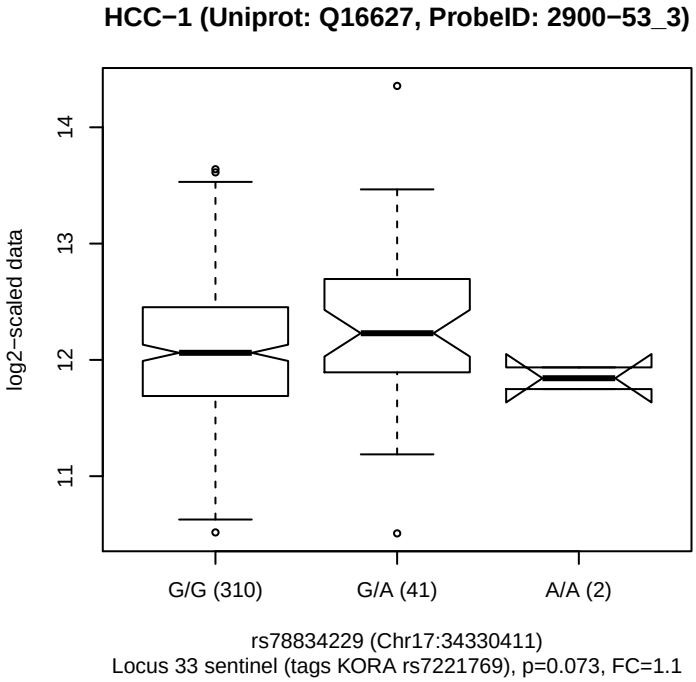

MIP−5 (Uniprot: Q16663, ProbeID: 3509−1_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 15

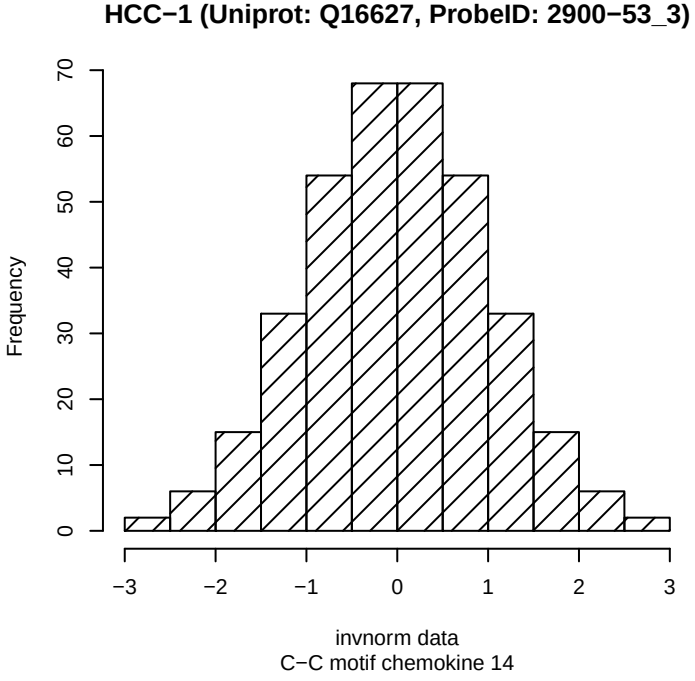

MIP−5 (Uniprot: Q16663, ProbeID: 3509−1_1)
invnorm data
−2
−1
0
1
2
G/G (310)
G/A (41)
A/A (2)
rs78834229 (Chr17:34330411)
Locus 33 top sentinel (tags KORA rs7221769), p=8.5e−16

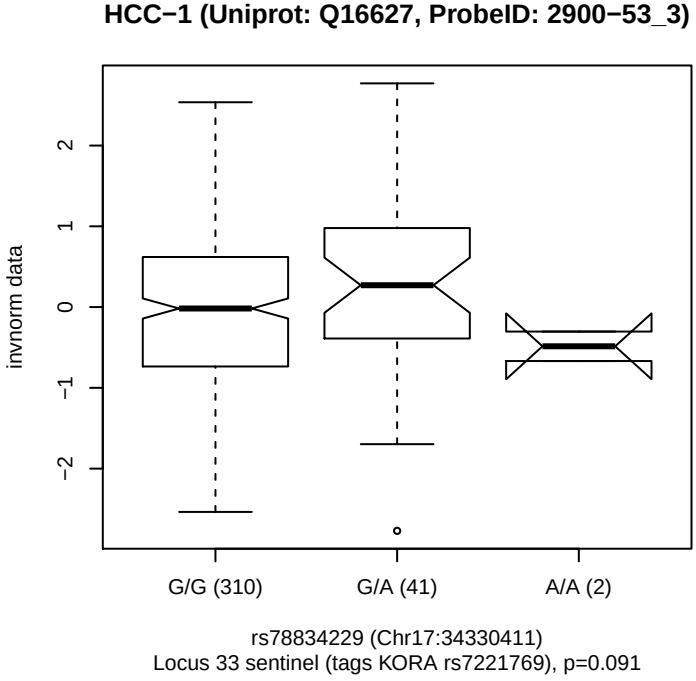

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
Frequency
0
20
40
60
80
100
120
140
0
5000
10000
15000
20000
raw data
C−C motif chemokine 14

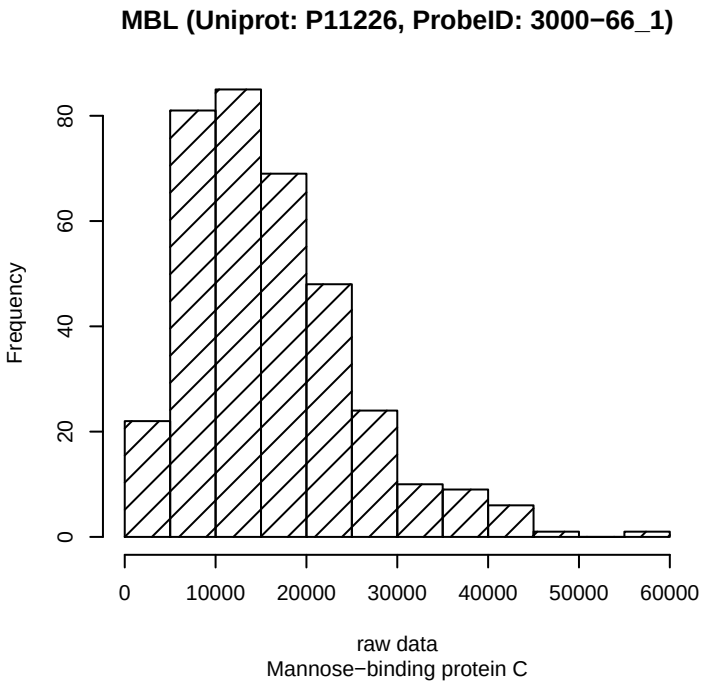

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
raw data
5000
10000
15000
20000
G/G (310)
G/A (41)
A/A (2)
rs78834229 (Chr17:34330411)
Locus 33 sentinel (tags KORA rs7221769), p=0.025

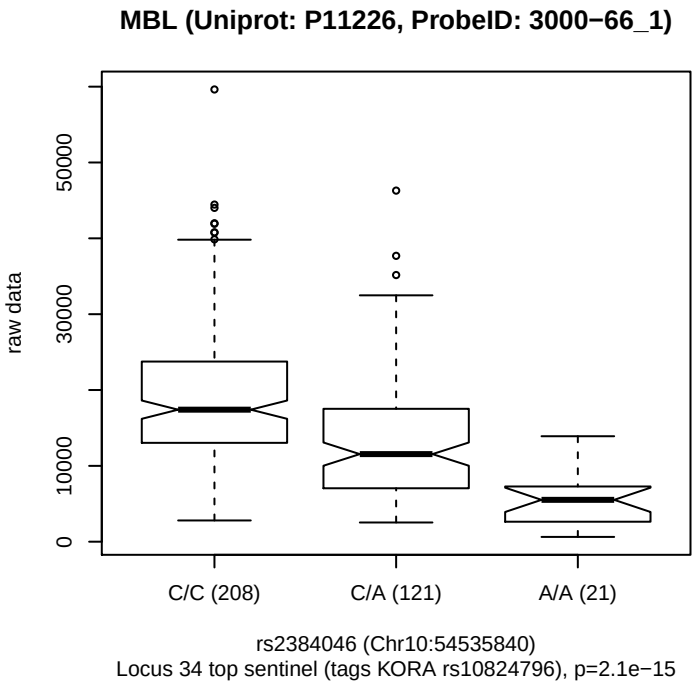

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
Frequency
0
20
40
60
80
100
11
12
13
14
log2−scaled data
C−C motif chemokine 14

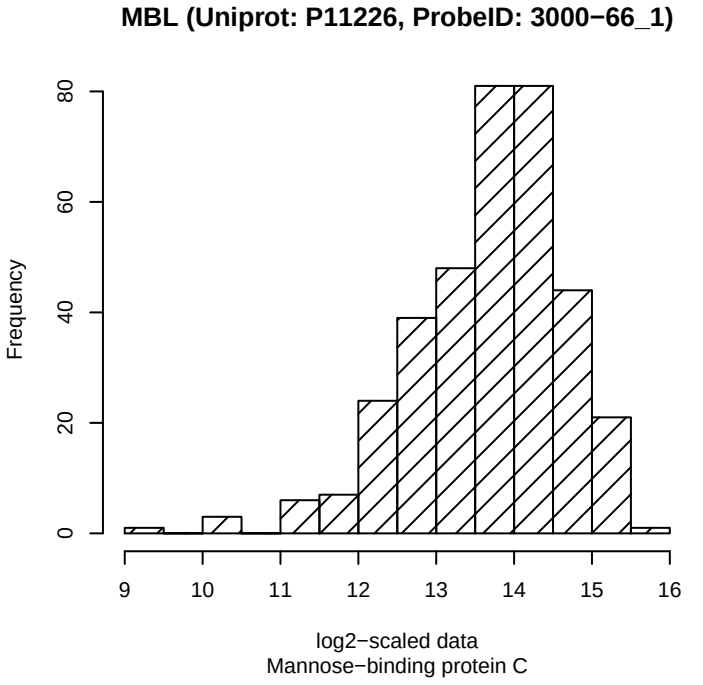

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
log2−scaled data
11
12
13
14
G/G (310)
G/A (41)
A/A (2)
rs78834229 (Chr17:34330411)
Locus 33 sentinel (tags KORA rs7221769), p=0.073, FC=1.1

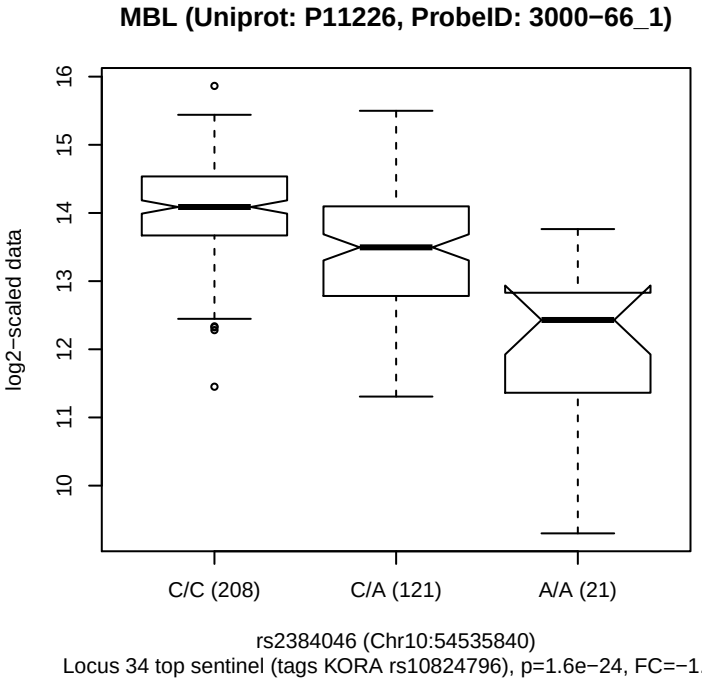

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 14

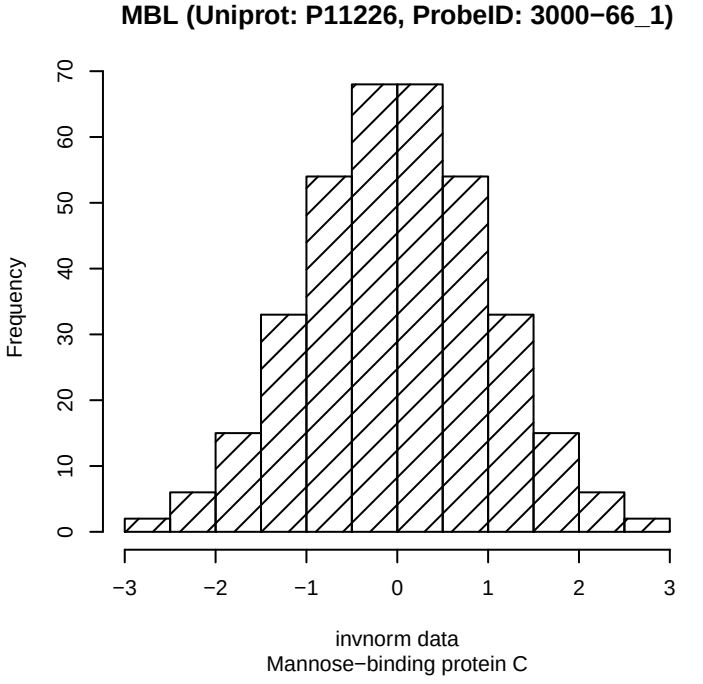

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
invnorm data
−2
−1
0
1
2
G/G (310)
G/A (41)
A/A (2)
rs78834229 (Chr17:34330411)
Locus 33 sentinel (tags KORA rs7221769), p=0.091

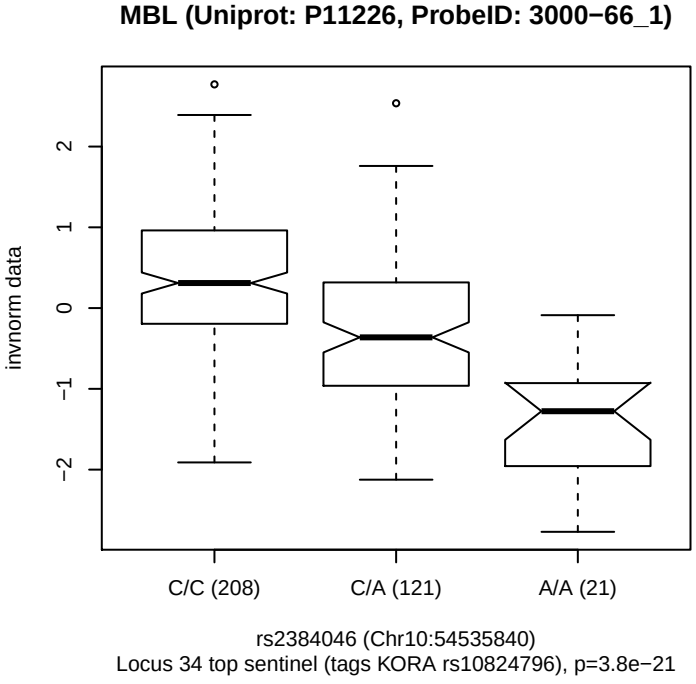

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
Frequency
0
20
40
60
80
0
10000
20000
30000
40000
50000
60000
raw data
Mannose−binding protein C

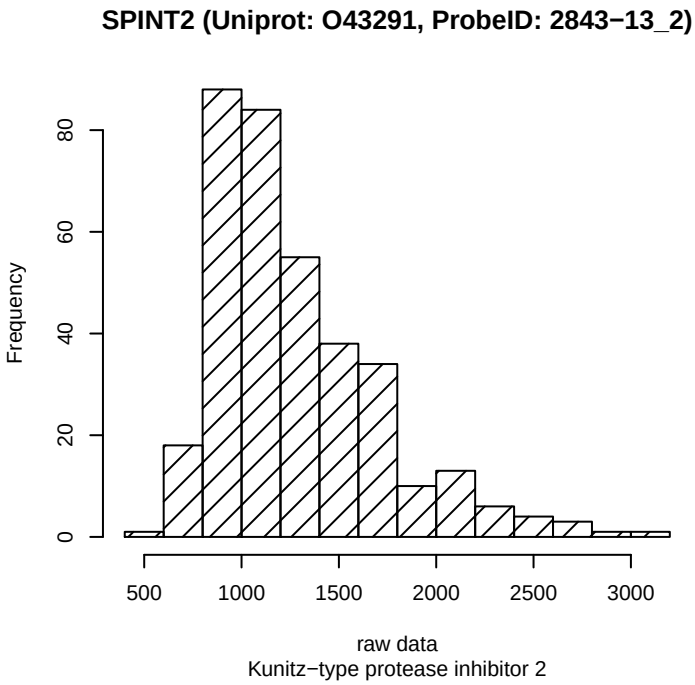

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
raw data
0
10000
30000
50000
C/C (208)
C/A (121)
A/A (21)
rs2384046 (Chr10:54535840)
Locus 34 top sentinel (tags KORA rs10824796), p=2.1e−15

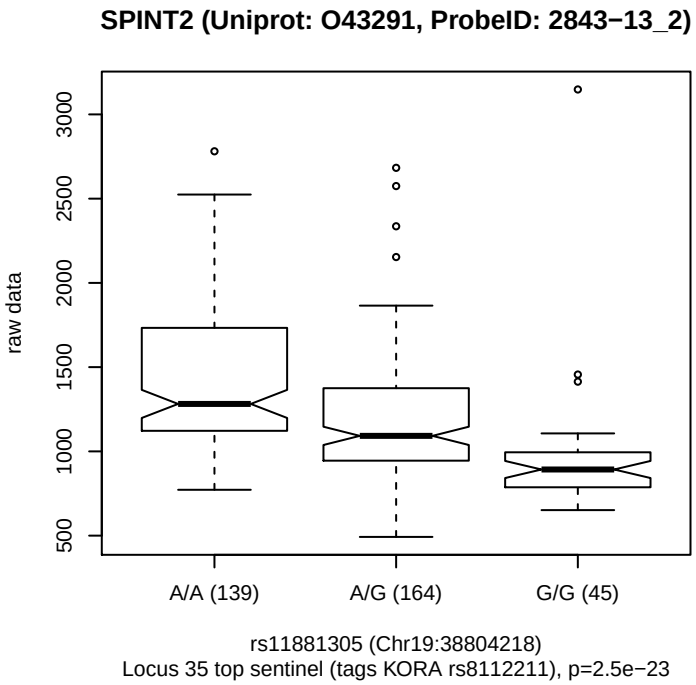

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
Frequency
0
20
40
60
80
9
10
11
12
13
14
15
16
log2−scaled data
Mannose−binding protein C

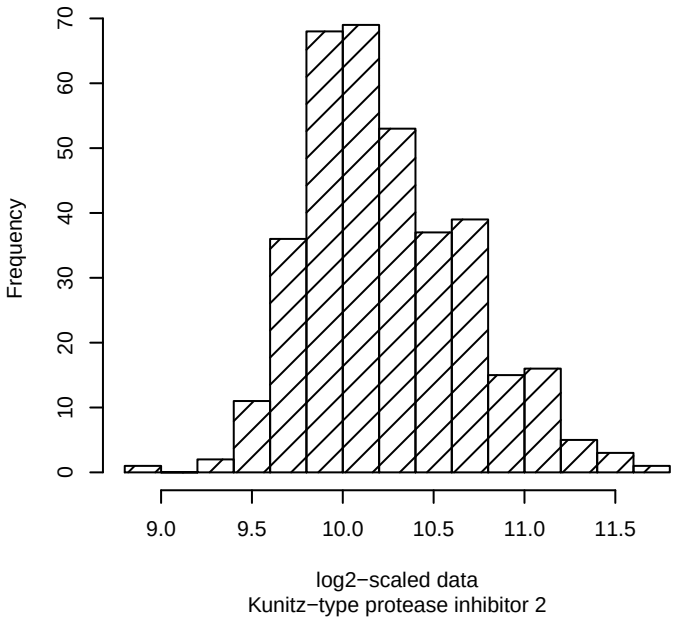

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
log2−scaled data
10
11
12
13
14
15
16
C/C (208)
C/A (121)
A/A (21)
rs2384046 (Chr10:54535840)
Locus 34 top sentinel (tags KORA rs10824796), p=1.6e−24, FC=−1.75

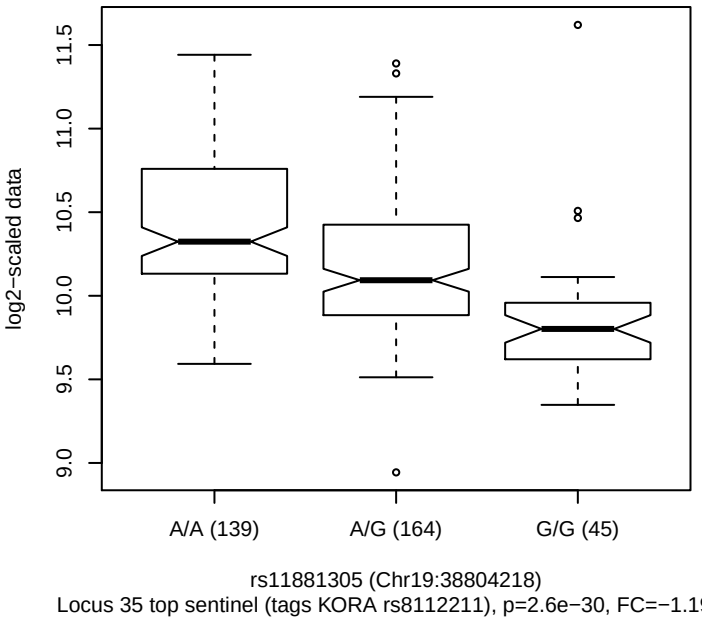

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Mannose−binding protein C

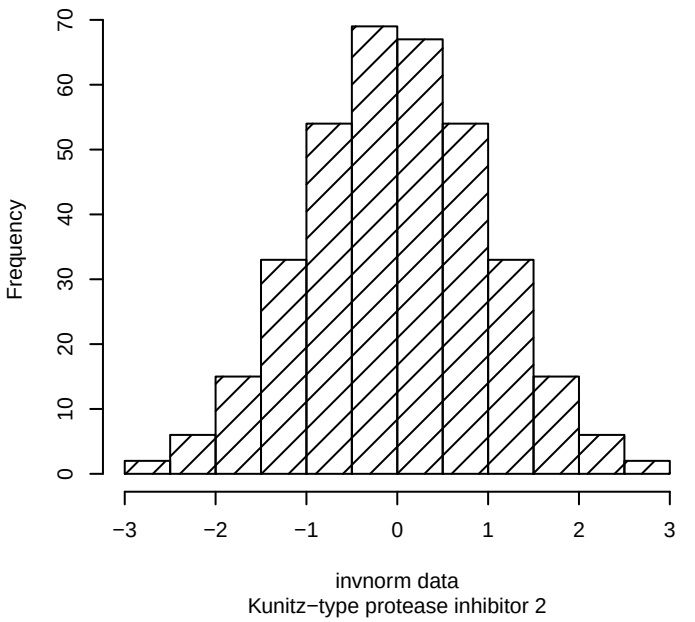

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
invnorm data
−2
−1
0
1
2
C/C (208)
C/A (121)
A/A (21)
rs2384046 (Chr10:54535840)
Locus 34 top sentinel (tags KORA rs10824796), p=3.8e−21

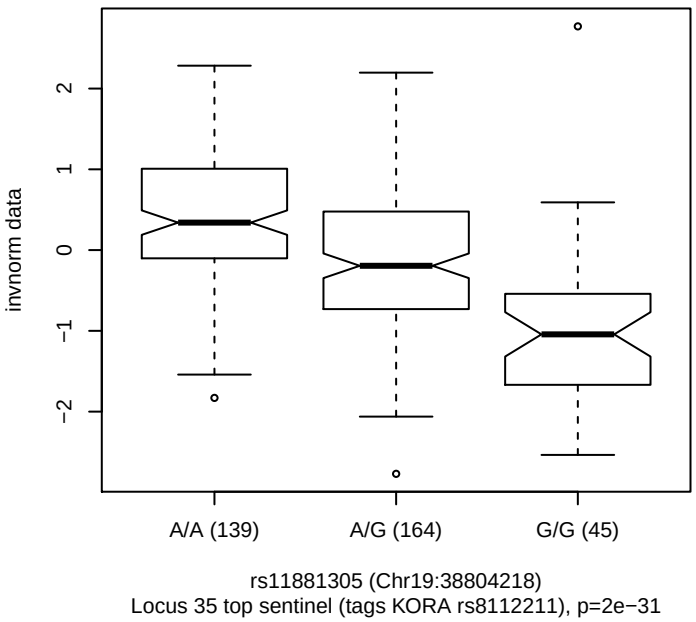

SPINT2 (Uniprot: O43291, ProbeID: 2843−13_2)
Frequency
0
20
40
60
80
500
1000
1500
2000
2500
3000
raw data
Kunitz−type protease inhibitor 2

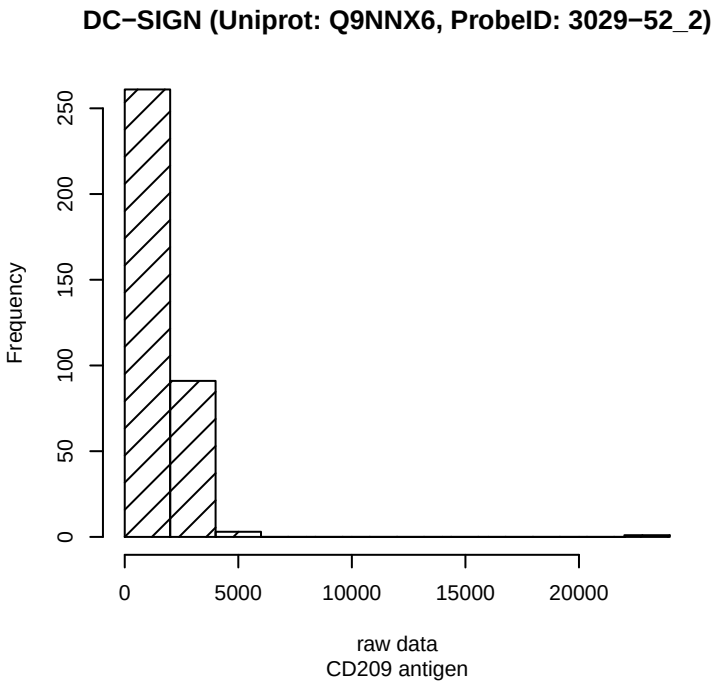

SPINT2 (Uniprot: O43291, ProbeID: 2843−13_2)
raw data
500
1000
1500
2000
2500
3000
A/A (139)
A/G (164)
G/G (45)
rs11881305 (Chr19:38804218)
Locus 35 top sentinel (tags KORA rs8112211), p=2.5e−23

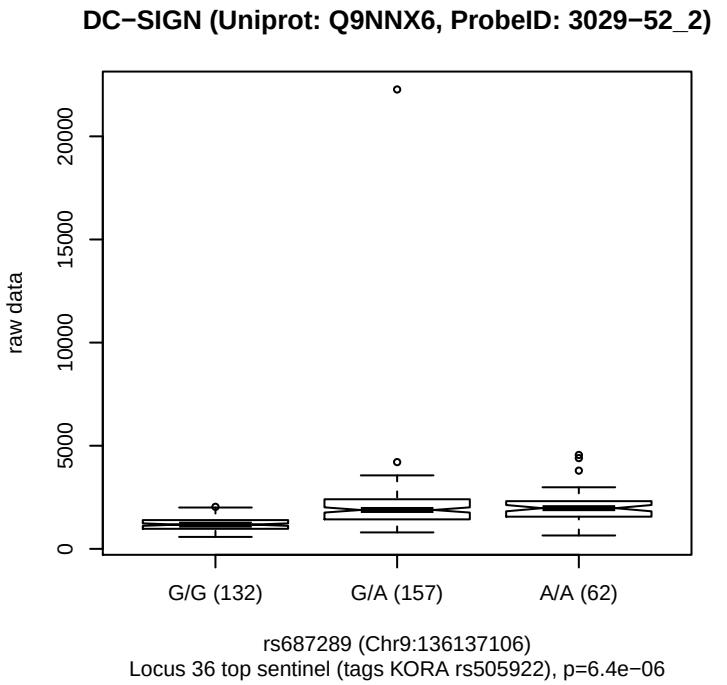

SPINT2 (Uniprot: O43291, ProbeID: 2843−13_2)
Frequency
0
10
20
30
40
50
60
70
9.0
9.5
10.0
10.5
11.0
11.5
log2−scaled data
Kunitz−type protease inhibitor 2

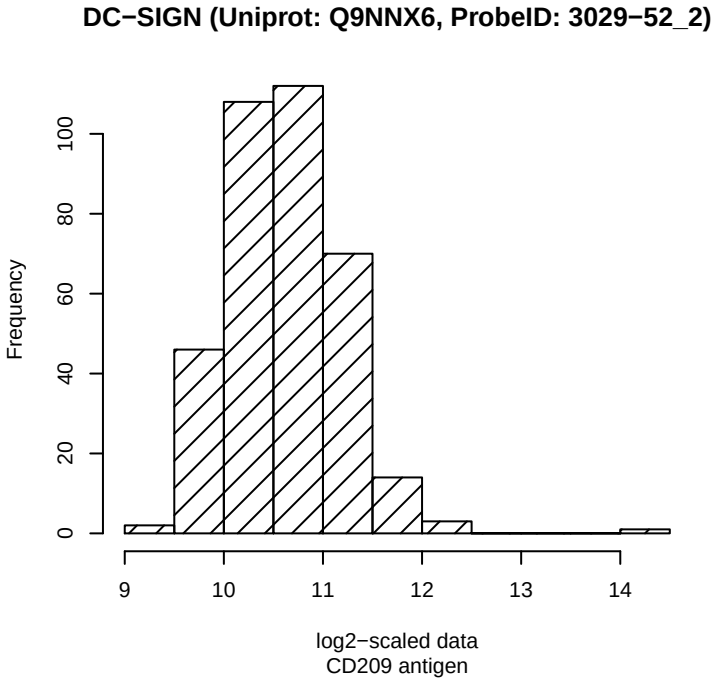

SPINT2 (Uniprot: O43291, ProbeID: 2843−13_2)
log2−scaled data
9.0
9.5
10.0
10.5
11.0
11.5
A/A (139)
A/G (164)
G/G (45)
rs11881305 (Chr19:38804218)
Locus 35 top sentinel (tags KORA rs8112211), p=2.6e−30, FC=−1.1975

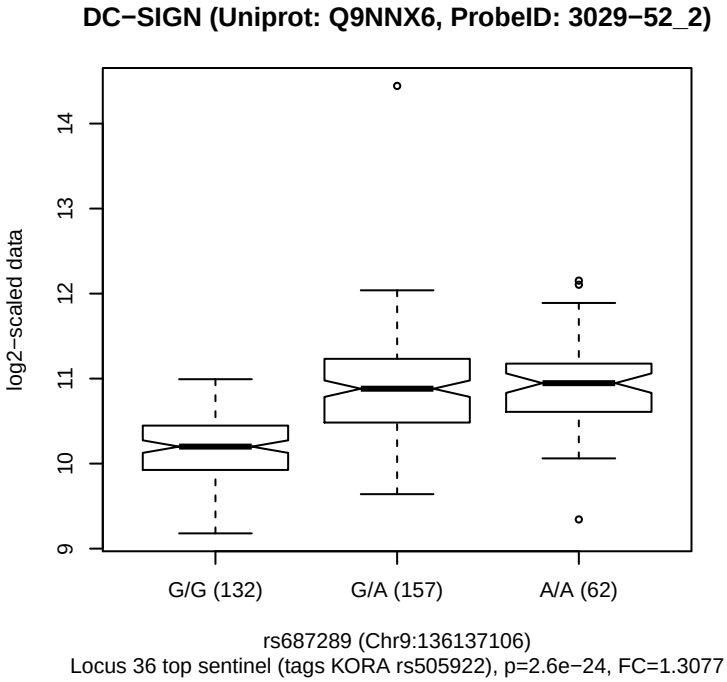

SPINT2 (Uniprot: O43291, ProbeID: 2843−13_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Kunitz−type protease inhibitor 2

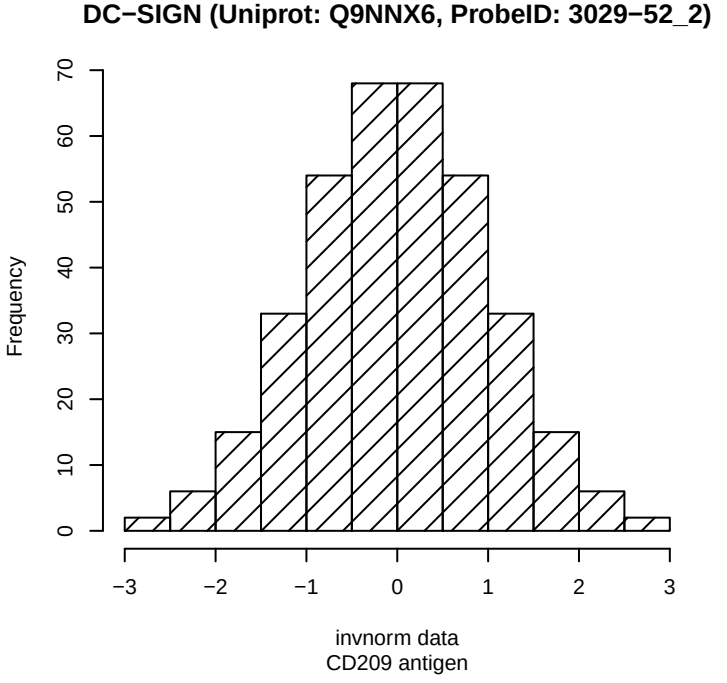

SPINT2 (Uniprot: O43291, ProbeID: 2843−13_2)
invnorm data
−2
−1
0
1
2
A/A (139)
A/G (164)
G/G (45)
rs11881305 (Chr19:38804218)
Locus 35 top sentinel (tags KORA rs8112211), p=2e−31

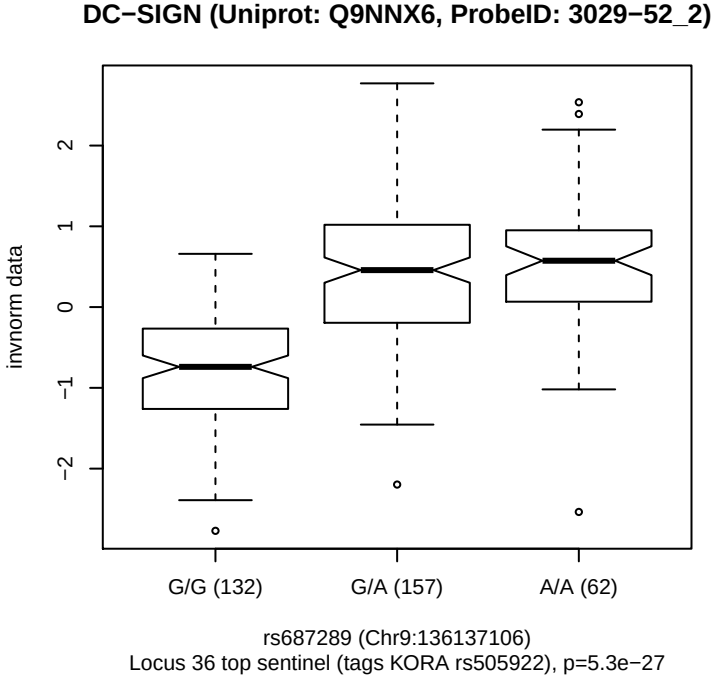

DC−SIGN (Uniprot: Q9NNX6, ProbeID: 3029−52_2)
Frequency
0
50
100
150
200
250
0
5000
10000
15000
20000
raw data
CD209 antigen

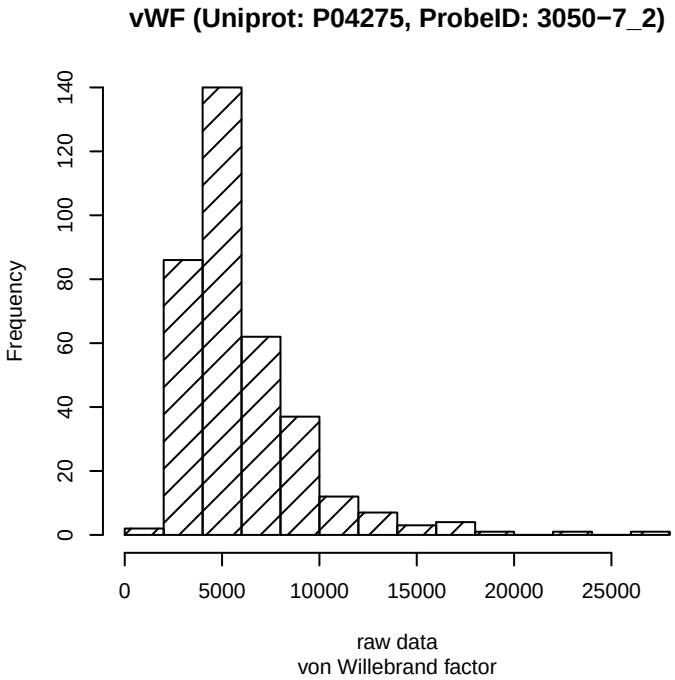

DC−SIGN (Uniprot: Q9NNX6, ProbeID: 3029−52_2)
raw data
0
5000
10000
15000
20000
G/G (132)
G/A (157)
A/A (62)
rs687289 (Chr9:136137106)
Locus 36 top sentinel (tags KORA rs505922), p=6.4e−06

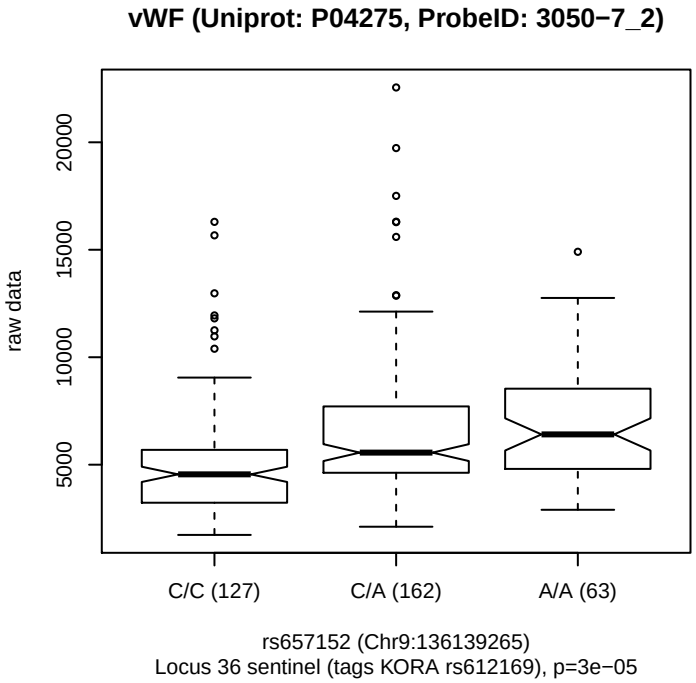

DC−SIGN (Uniprot: Q9NNX6, ProbeID: 3029−52_2)
Frequency
0
20
40
60
80
100
9
10
11
12
13
14
log2−scaled data
CD209 antigen

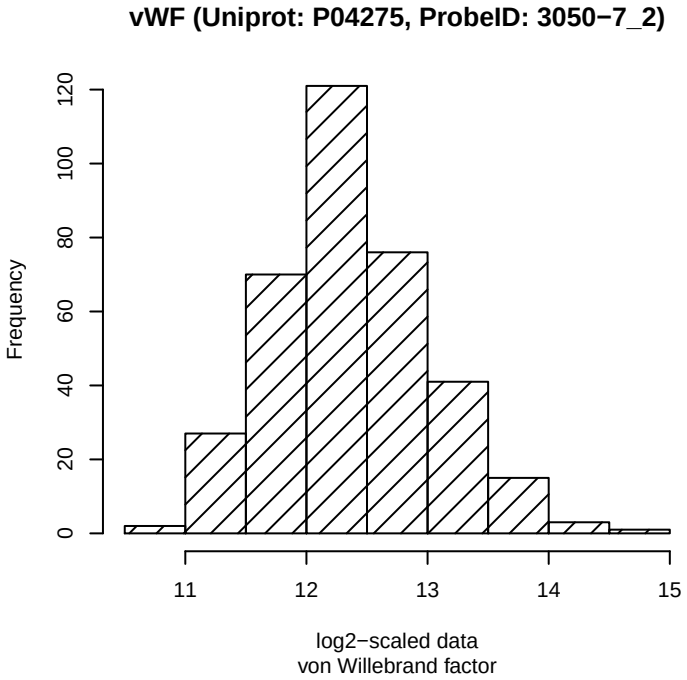

DC−SIGN (Uniprot: Q9NNX6, ProbeID: 3029−52_2)
log2−scaled data
9
10
11
12
13
14
G/G (132)
G/A (157)
A/A (62)
rs687289 (Chr9:136137106)
Locus 36 top sentinel (tags KORA rs505922), p=2.6e−24, FC=1.3077

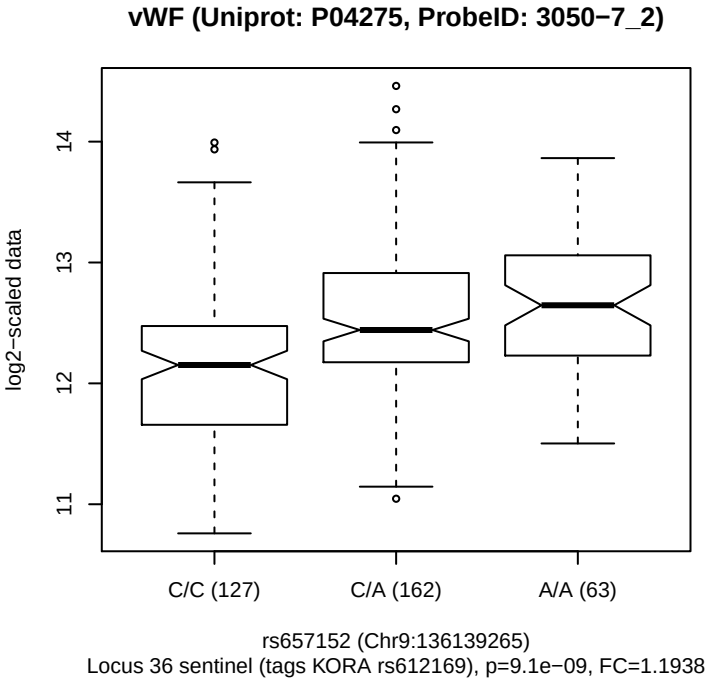

DC−SIGN (Uniprot: Q9NNX6, ProbeID: 3029−52_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
CD209 antigen

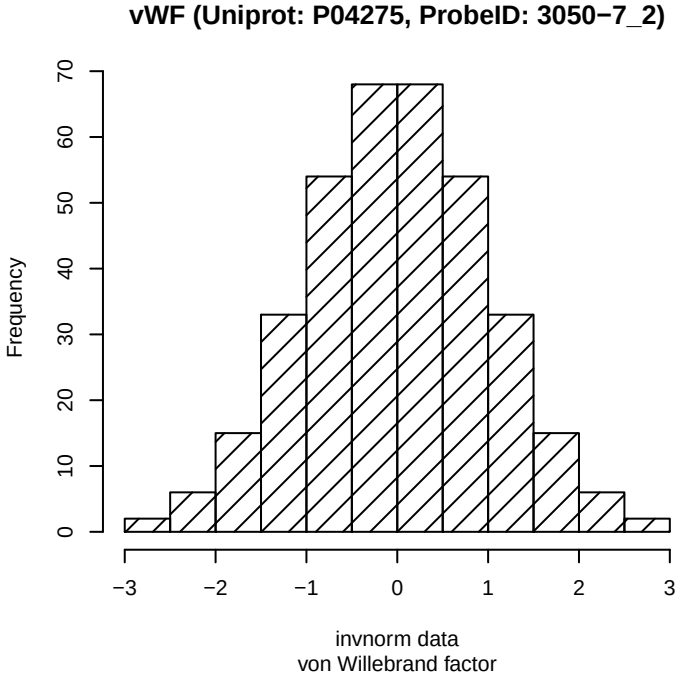

DC−SIGN (Uniprot: Q9NNX6, ProbeID: 3029−52_2)
invnorm data
−2
−1
0
1
2
G/G (132)
G/A (157)
A/A (62)
rs687289 (Chr9:136137106)
Locus 36 top sentinel (tags KORA rs505922), p=5.3e−27

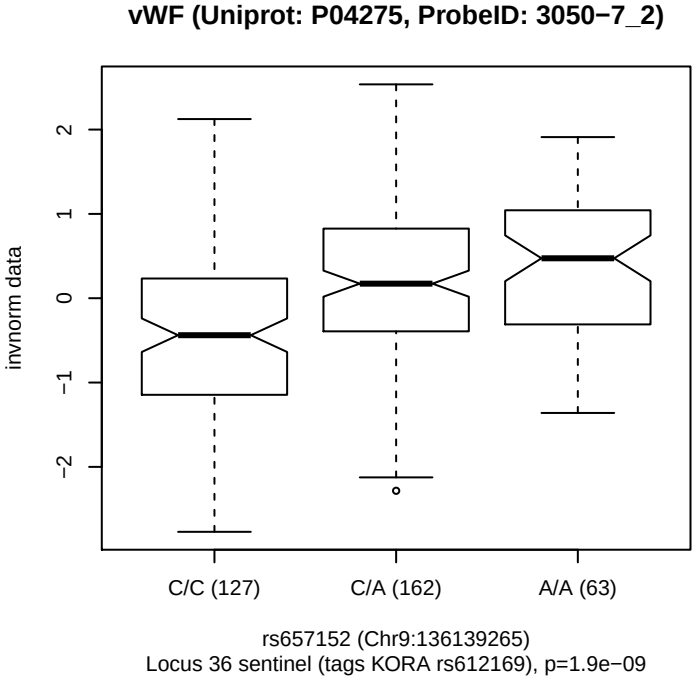

vWF (Uniprot: P04275, ProbeID: 3050−7_2)
Frequency
0
20
40
60
80
100
120
140
0
5000
10000
15000
20000
25000
raw data
von Willebrand factor

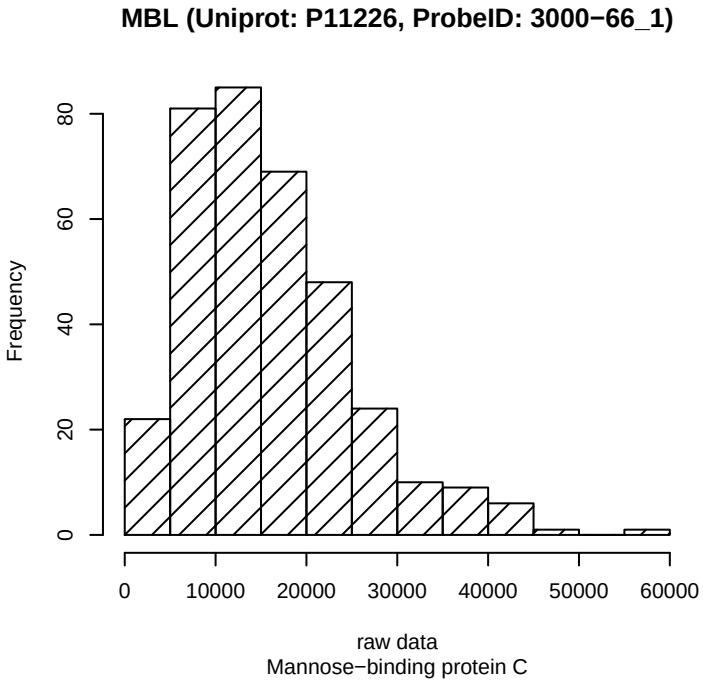

vWF (Uniprot: P04275, ProbeID: 3050−7_2)
raw data
5000
10000
15000
20000
C/C (127)
C/A (162)
A/A (63)
rs657152 (Chr9:136139265)
Locus 36 sentinel (tags KORA rs612169), p=3e−05

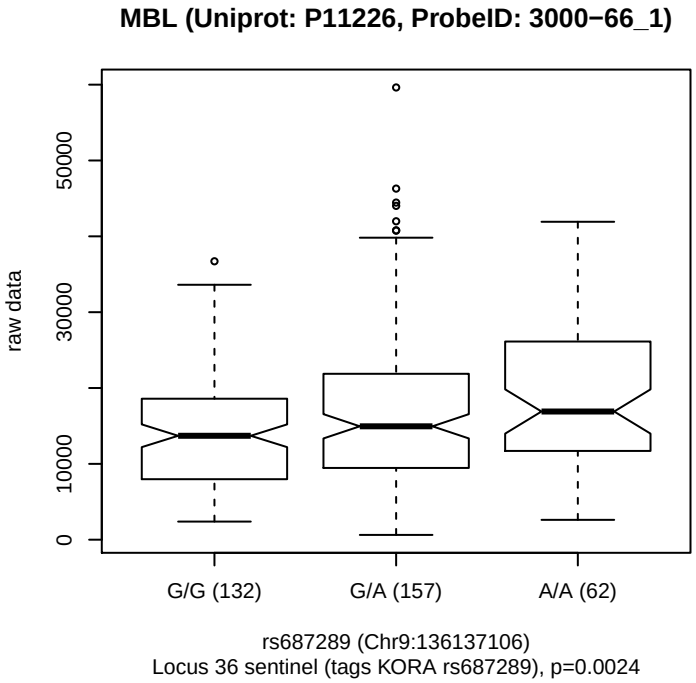

vWF (Uniprot: P04275, ProbeID: 3050−7_2)
Frequency
0
20
40
60
80
100
120
11
12
13
14
15
log2−scaled data
von Willebrand factor

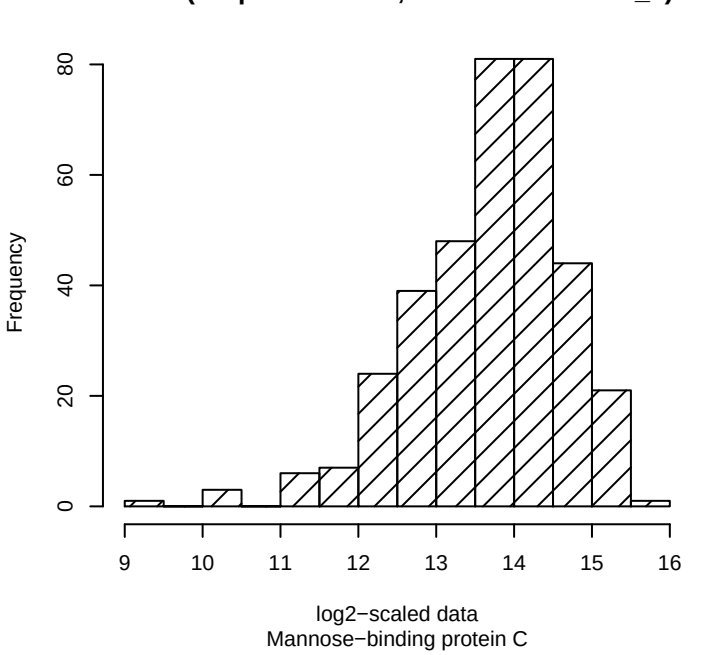

vWF (Uniprot: P04275, ProbeID: 3050−7_2)
log2−scaled data
11
12
13
14
C/C (127)
C/A (162)
A/A (63)
rs657152 (Chr9:136139265)
Locus 36 sentinel (tags KORA rs612169), p=9.1e−09, FC=1.1938

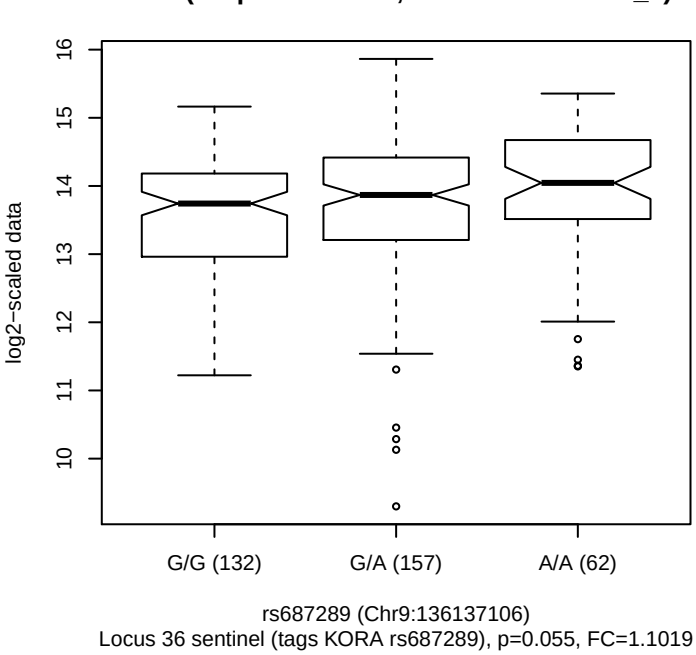

vWF (Uniprot: P04275, ProbeID: 3050−7_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
von Willebrand factor

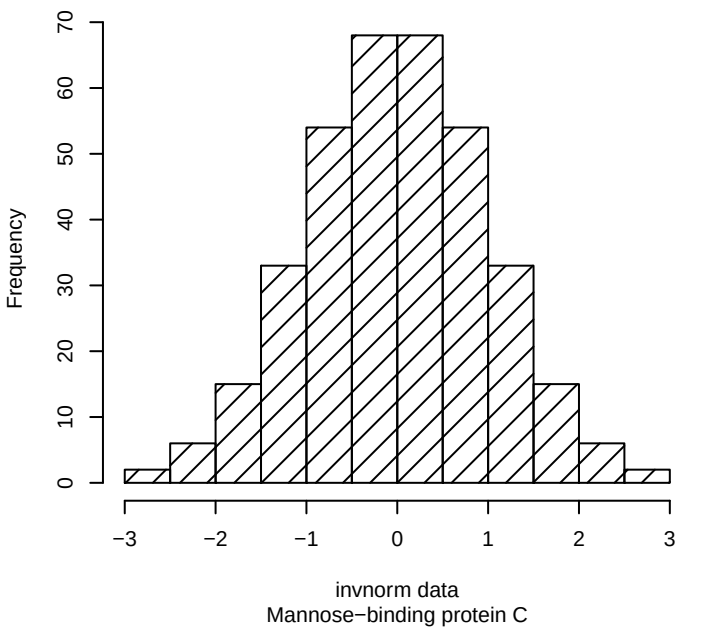

vWF (Uniprot: P04275, ProbeID: 3050−7_2)
invnorm data
−2
−1
0
1
2
C/C (127)
C/A (162)
A/A (63)
rs657152 (Chr9:136139265)
Locus 36 sentinel (tags KORA rs612169), p=1.9e−09

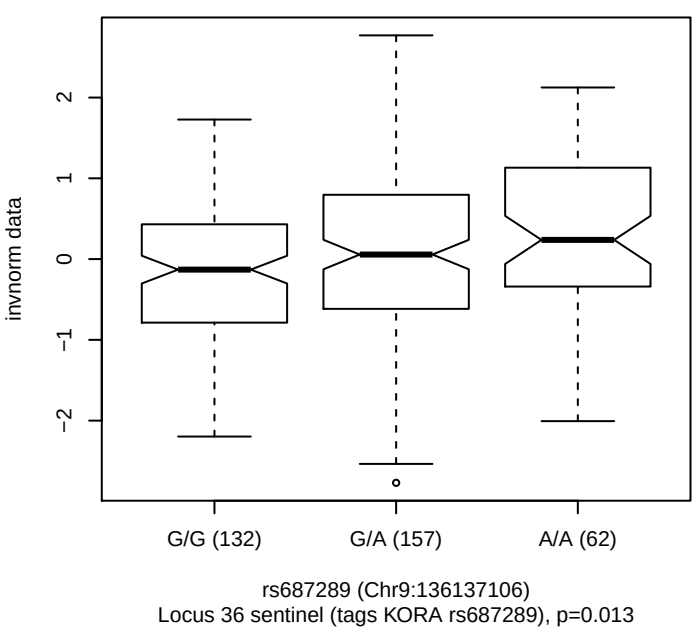

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
Frequency
0
20
40
60
80
0
10000
20000
30000
40000
50000
60000
raw data
Mannose−binding protein C

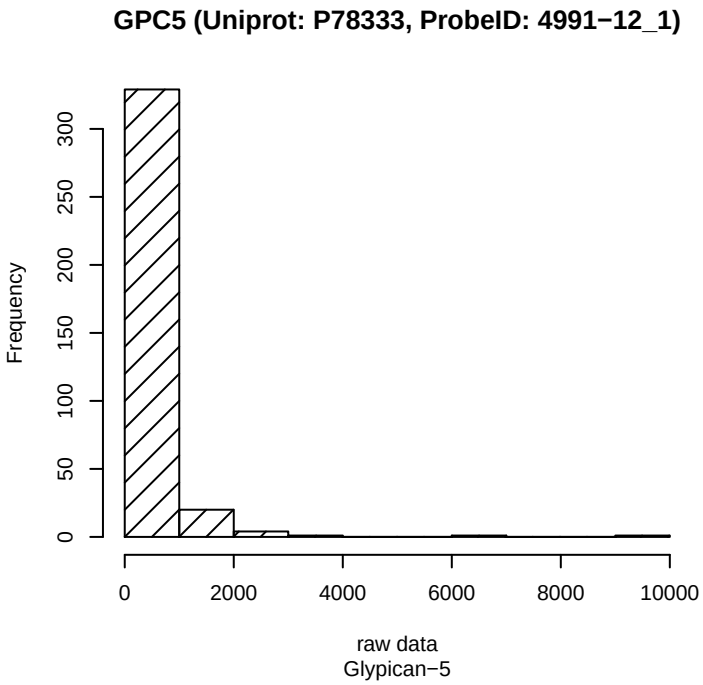

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
raw data
0
10000
30000
50000
G/G (132)
G/A (157)
A/A (62)
rs687289 (Chr9:136137106)
Locus 36 sentinel (tags KORA rs687289), p=0.0024

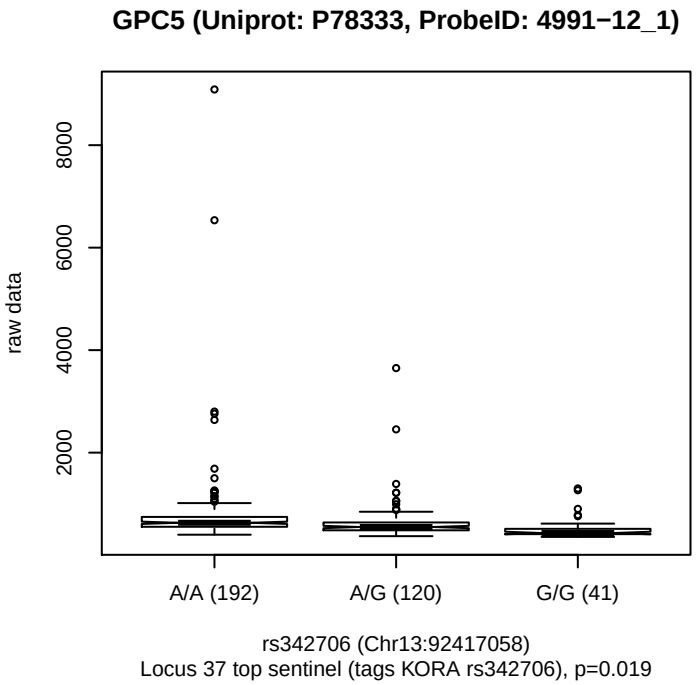

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
Frequency
0
20
40
60
80
9
10
11
12
13
14
15
16
log2−scaled data
Mannose−binding protein C

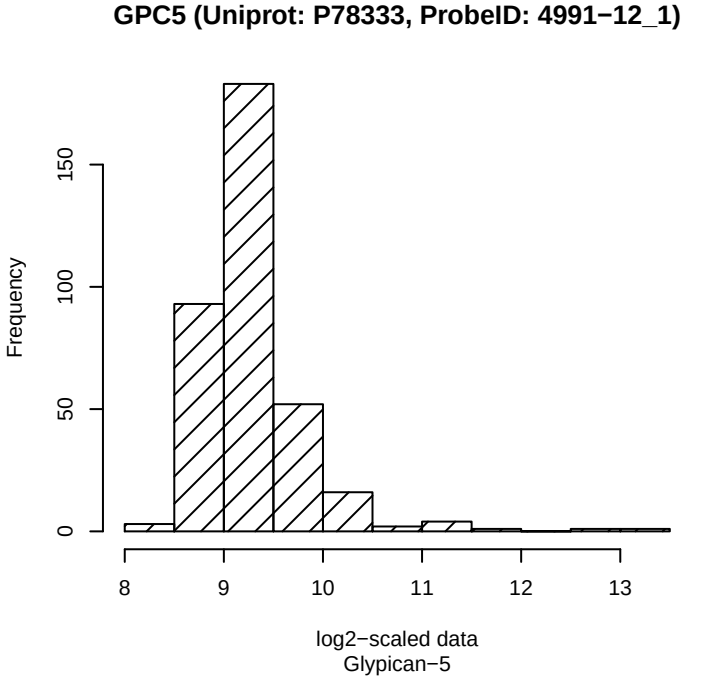

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
log2−scaled data
10
11
12
13
14
15
16
G/G (132)
G/A (157)
A/A (62)
rs687289 (Chr9:136137106)
Locus 36 sentinel (tags KORA rs687289), p=0.055, FC=1.1019

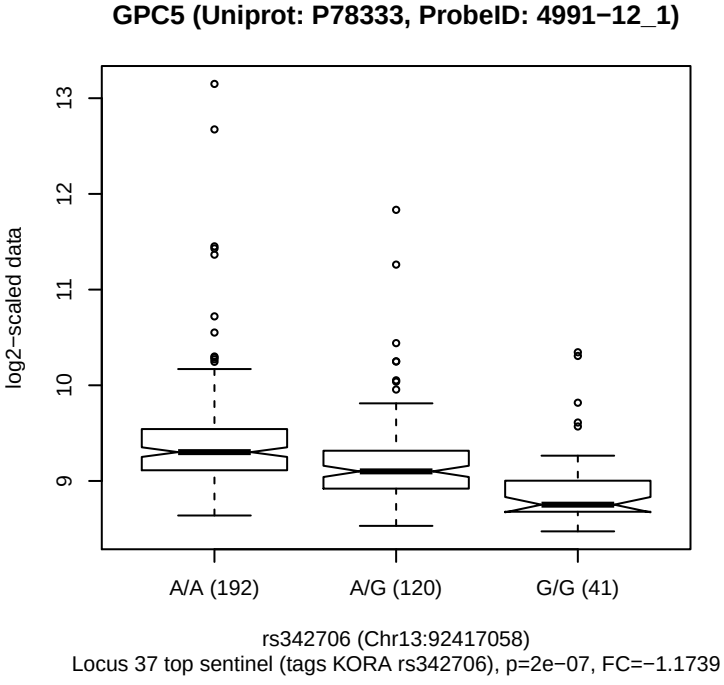

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Mannose−binding protein C

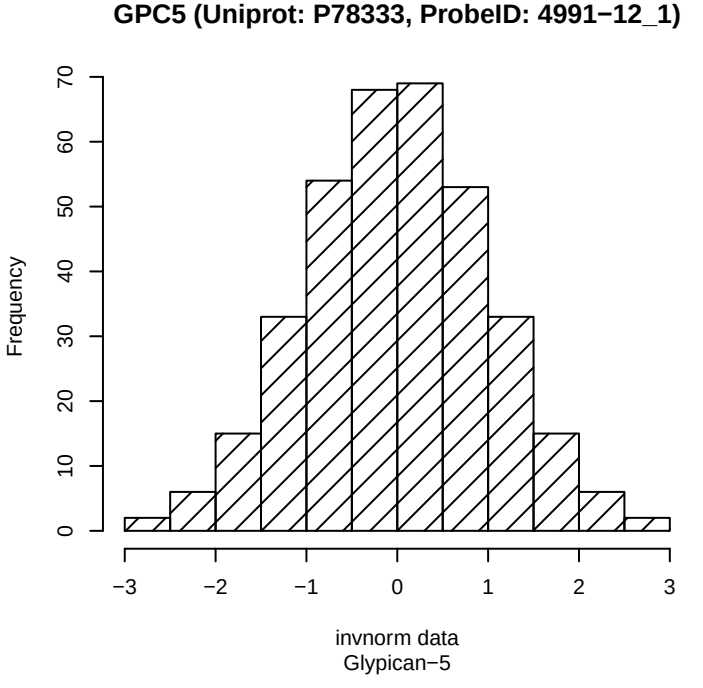

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
invnorm data
−2
−1
0
1
2
G/G (132)
G/A (157)
A/A (62)
rs687289 (Chr9:136137106)
Locus 36 sentinel (tags KORA rs687289), p=0.013

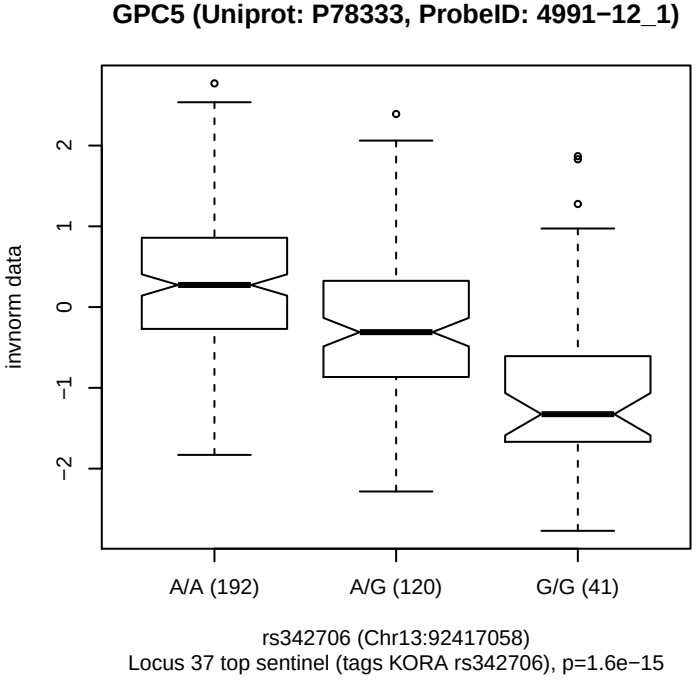

GPC5 (Uniprot: P78333, ProbeID: 4991−12_1)
Frequency
0
50
100
150
200
250
300
0
2000
4000
6000
8000
10000
raw data
Glypican−5

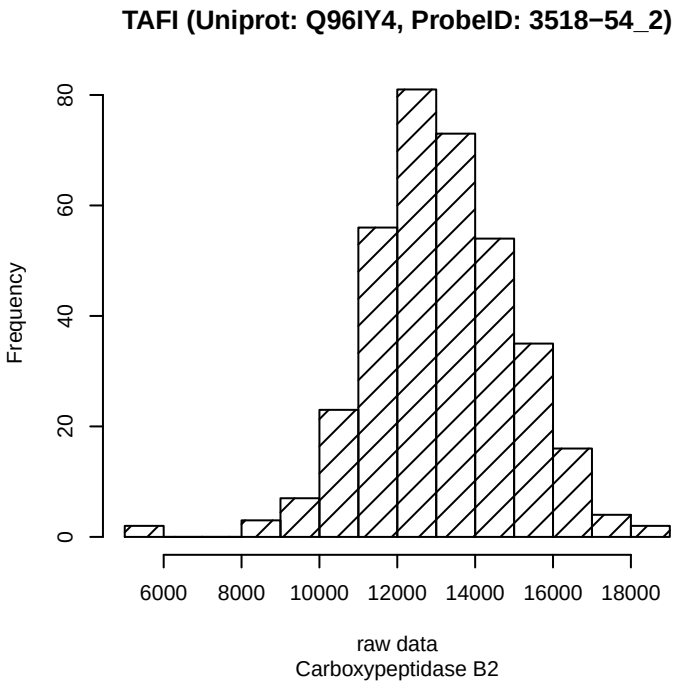

GPC5 (Uniprot: P78333, ProbeID: 4991−12_1)
raw data
2000
4000
6000
8000
A/A (192)
A/G (120)
G/G (41)
rs342706 (Chr13:92417058)
Locus 37 top sentinel (tags KORA rs342706), p=0.019

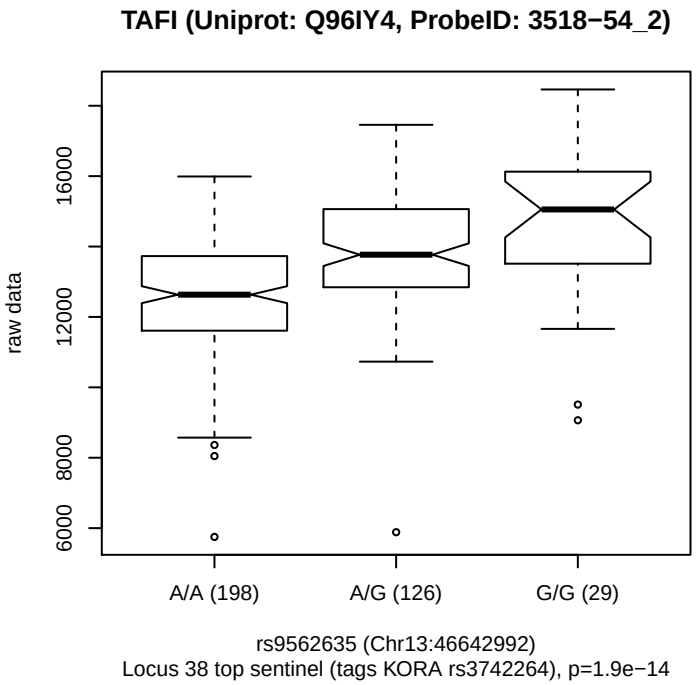

GPC5 (Uniprot: P78333, ProbeID: 4991−12_1)
Frequency
0
50
100
150
8
9
10
11
12
13
log2−scaled data
Glypican−5

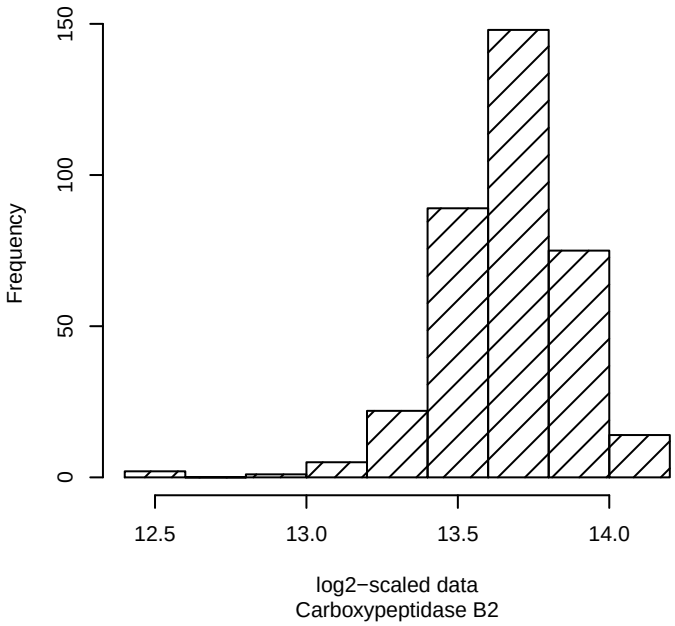

GPC5 (Uniprot: P78333, ProbeID: 4991−12_1)
log2−scaled data
9
10
11
12
13
A/A (192)
A/G (120)
G/G (41)
rs342706 (Chr13:92417058)
Locus 37 top sentinel (tags KORA rs342706), p=2e−07, FC=−1.1739

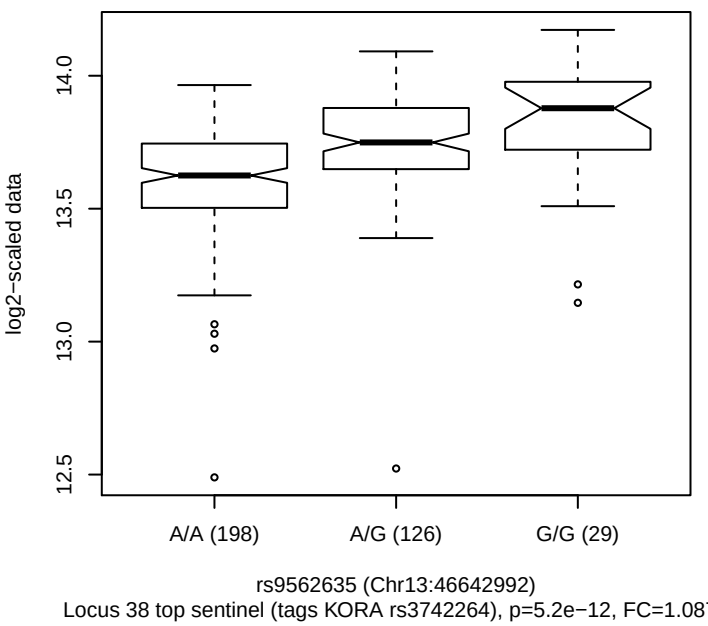

GPC5 (Uniprot: P78333, ProbeID: 4991−12_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Glypican−5

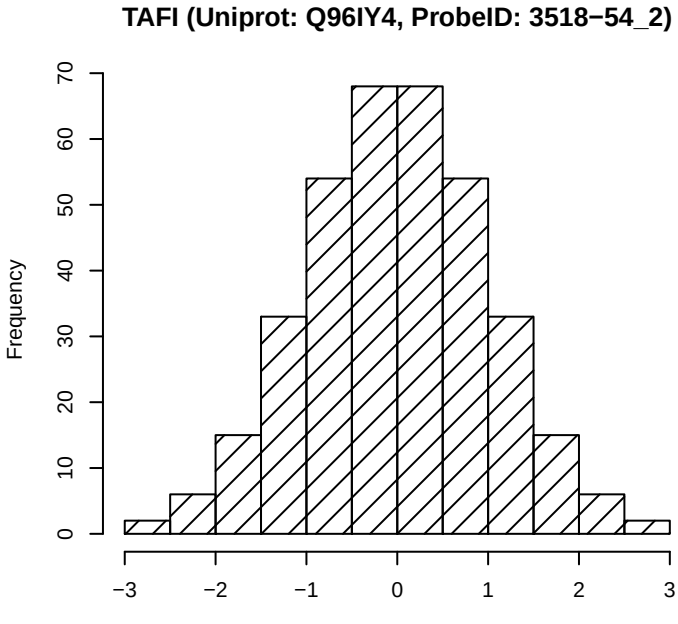

GPC5 (Uniprot: P78333, ProbeID: 4991−12_1)
invnorm data
−2
−1
0
1
2
A/A (192)
A/G (120)
G/G (41)
rs342706 (Chr13:92417058)
Locus 37 top sentinel (tags KORA rs342706), p=1.6e−15

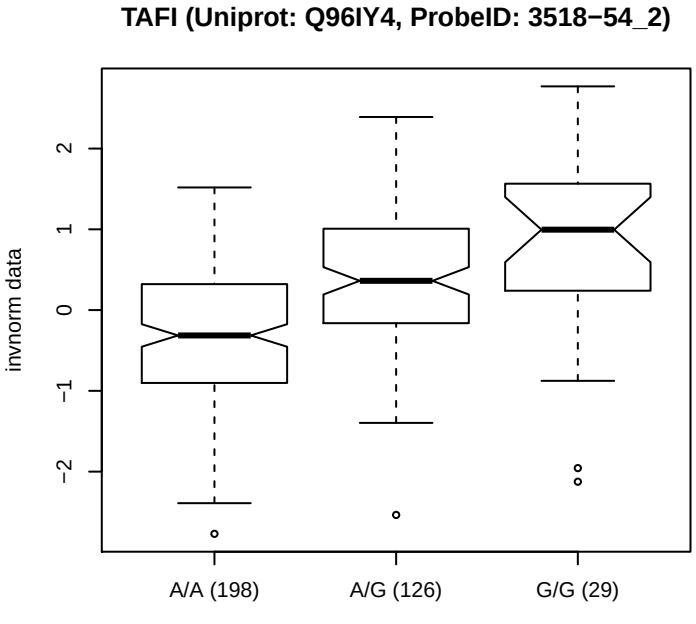

TAFI (Uniprot: Q96IY4, ProbeID: 3518−54_2)
Frequency
0
20
40
60
80
6000
8000
10000
12000
14000
16000
18000
raw data
Carboxypeptidase B2

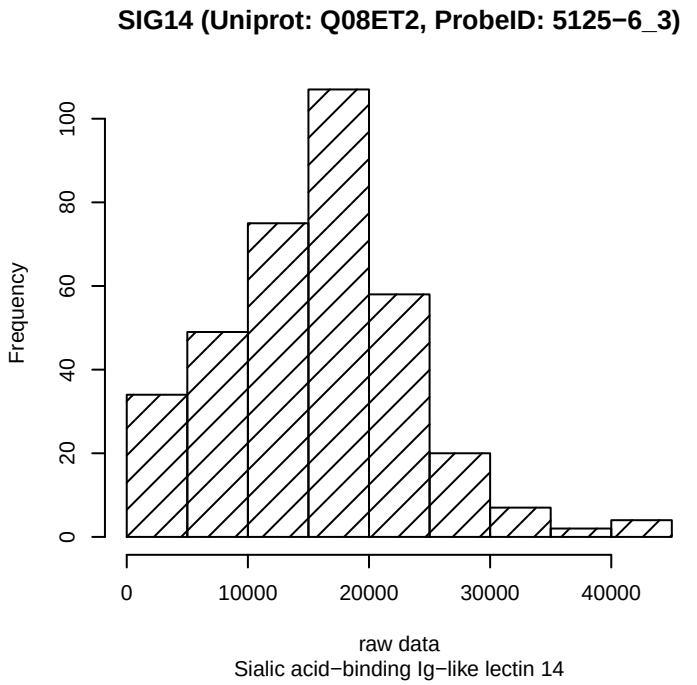

TAFI (Uniprot: Q96IY4, ProbeID: 3518−54_2)
raw data
6000
8000
12000
16000
A/A (198)
A/G (126)
G/G (29)
rs9562635 (Chr13:46642992)
Locus 38 top sentinel (tags KORA rs3742264), p=1.9e−14

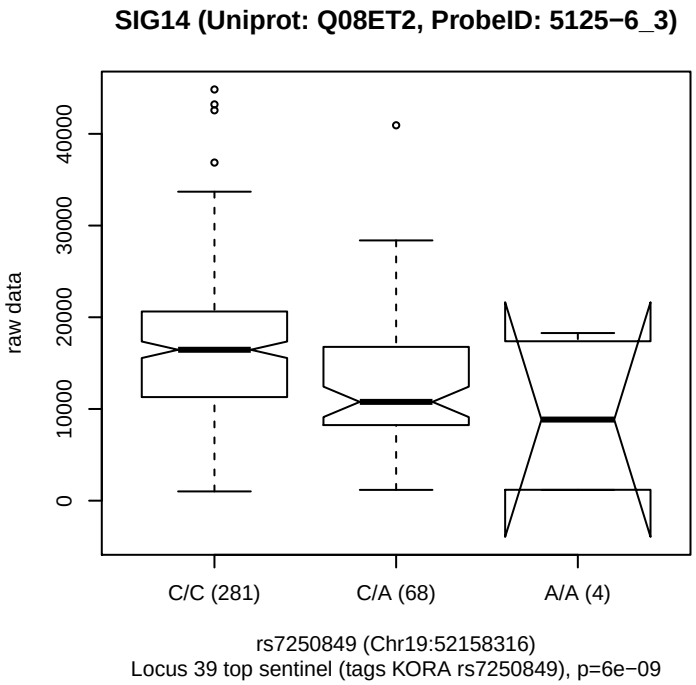

TAFI (Uniprot: Q96IY4, ProbeID: 3518−54_2)
Frequency
0
50
100
150
12.5
13.0
13.5
14.0
log2−scaled data
Carboxypeptidase B2

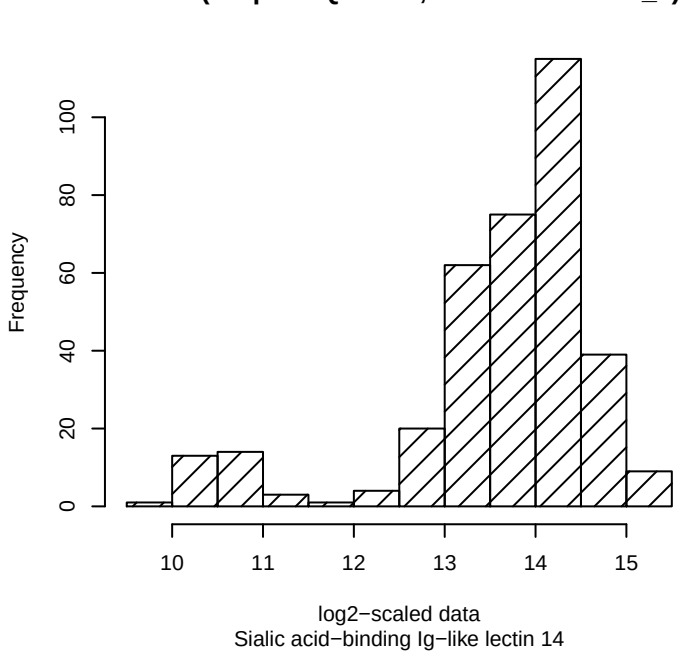

TAFI (Uniprot: Q96IY4, ProbeID: 3518−54_2)
log2−scaled data
12.5
13.0
13.5
14.0
A/A (198)
A/G (126)
G/G (29)
rs9562635 (Chr13:46642992)
Locus 38 top sentinel (tags KORA rs3742264), p=5.2e−12, FC=1.0873

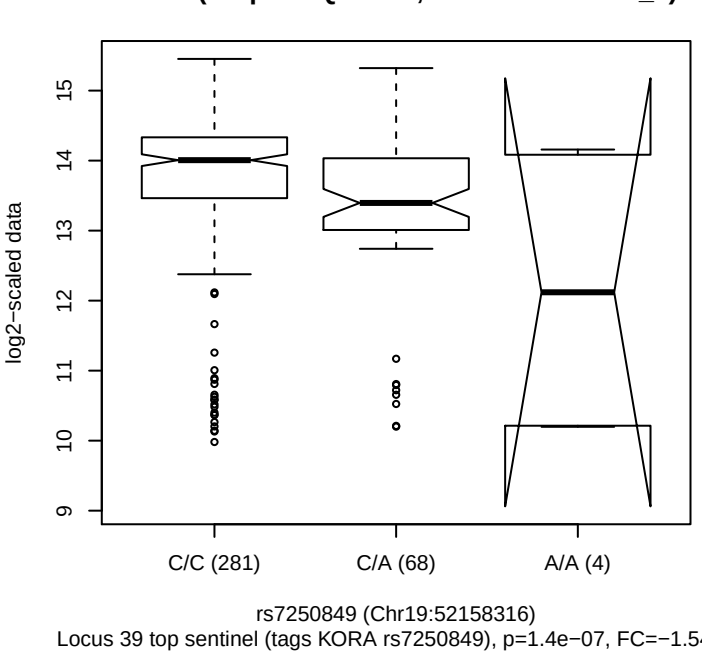

TAFI (Uniprot: Q96IY4, ProbeID: 3518−54_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Carboxypeptidase B2

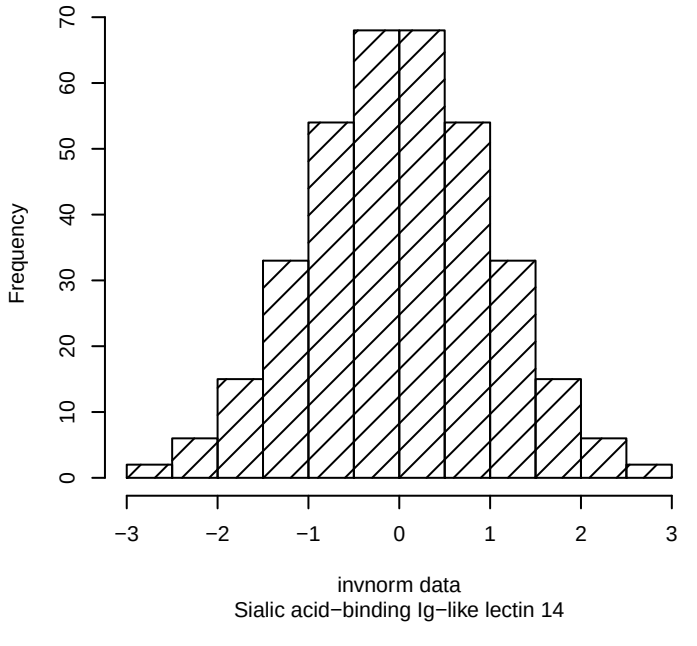

TAFI (Uniprot: Q96IY4, ProbeID: 3518−54_2)
invnorm data
−2
−1
0
1
2
A/A (198)
A/G (126)
G/G (29)
rs9562635 (Chr13:46642992)
Locus 38 top sentinel (tags KORA rs3742264), p=2.5e−15

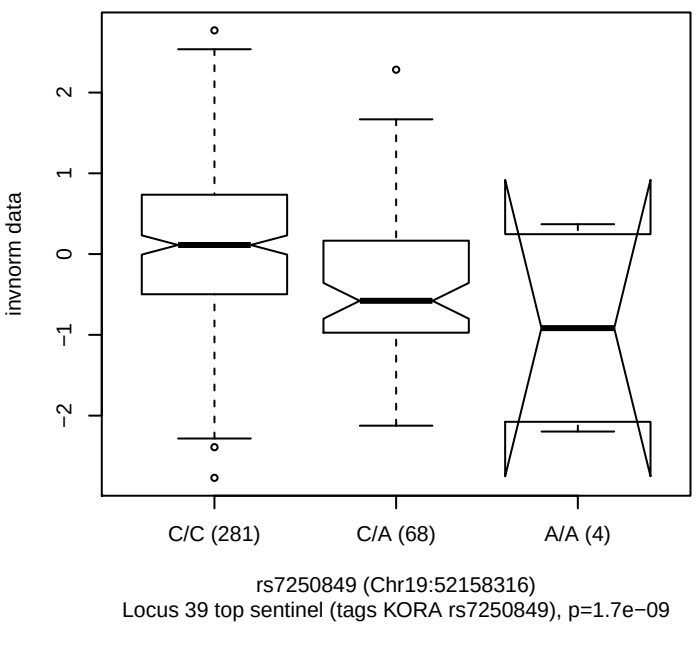

SIG14 (Uniprot: Q08ET2, ProbeID: 5125−6_3)
Frequency
0
20
40
60
80
100
0
10000
20000
30000
40000
raw data
Sialic acid−binding Ig−like lectin 14

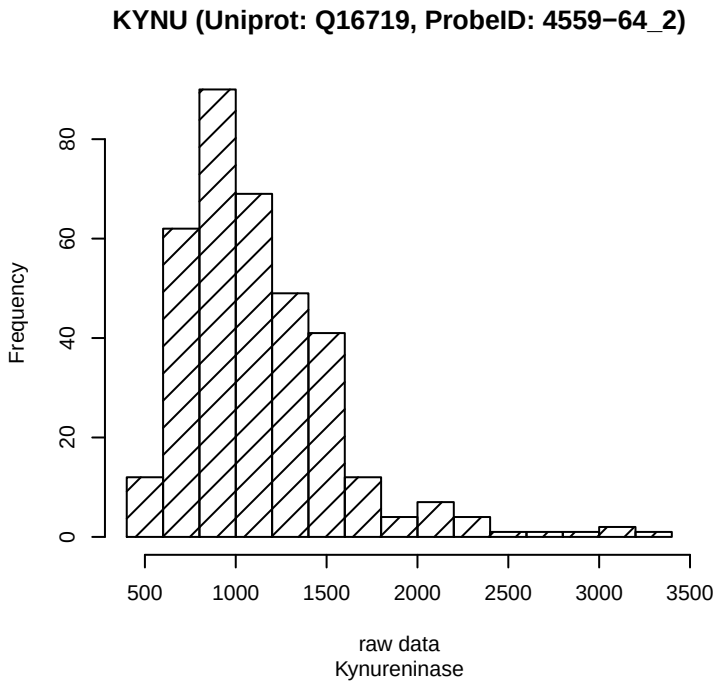

SIG14 (Uniprot: Q08ET2, ProbeID: 5125−6_3)
raw data
0
10000
20000
30000
40000
C/C (281)
C/A (68)
A/A (4)
rs7250849 (Chr19:52158316)
Locus 39 top sentinel (tags KORA rs7250849), p=6e−09

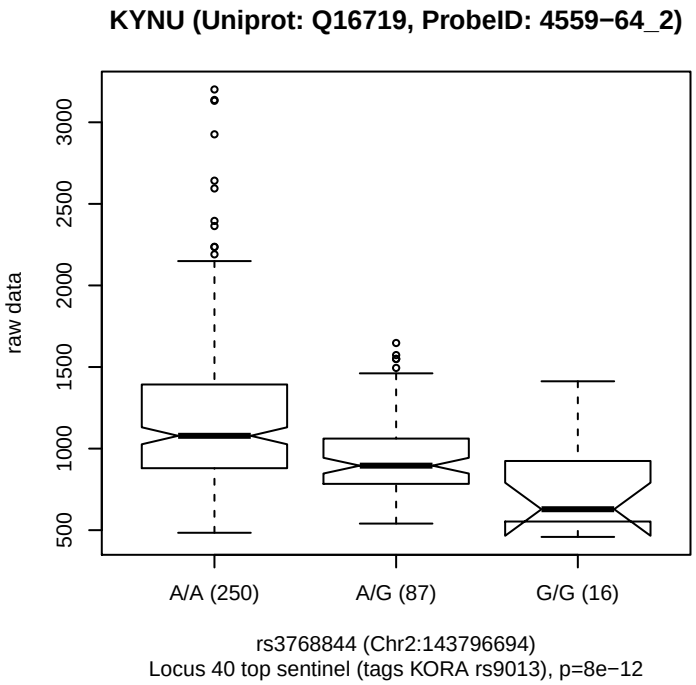

SIG14 (Uniprot: Q08ET2, ProbeID: 5125−6_3)
Frequency
0
20
40
60
80
100
10
11
12
13
14
15
log2−scaled data
Sialic acid−binding Ig−like lectin 14

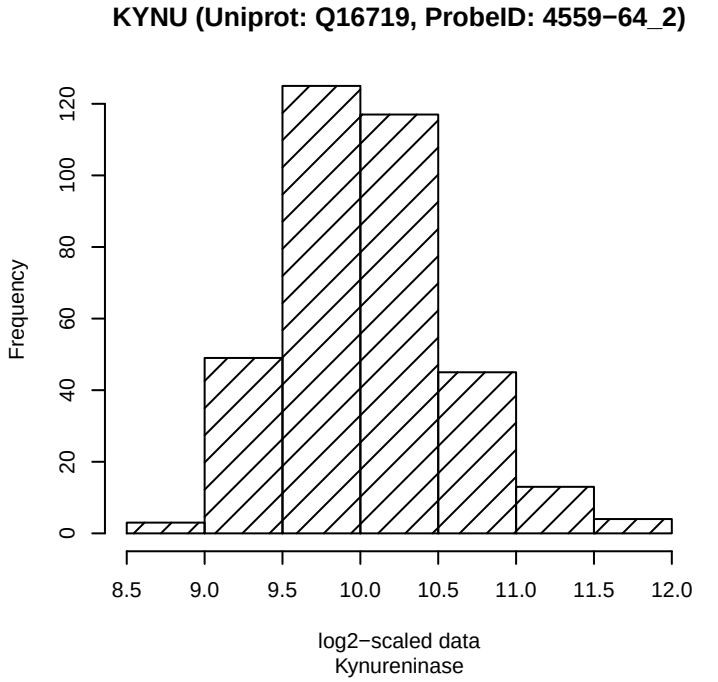

SIG14 (Uniprot: Q08ET2, ProbeID: 5125−6_3)
log2−scaled data
9
10
11
12
13
14
15
C/C (281)
C/A (68)
A/A (4)
rs7250849 (Chr19:52158316)
Locus 39 top sentinel (tags KORA rs7250849), p=1.4e−07, FC=−1.5419

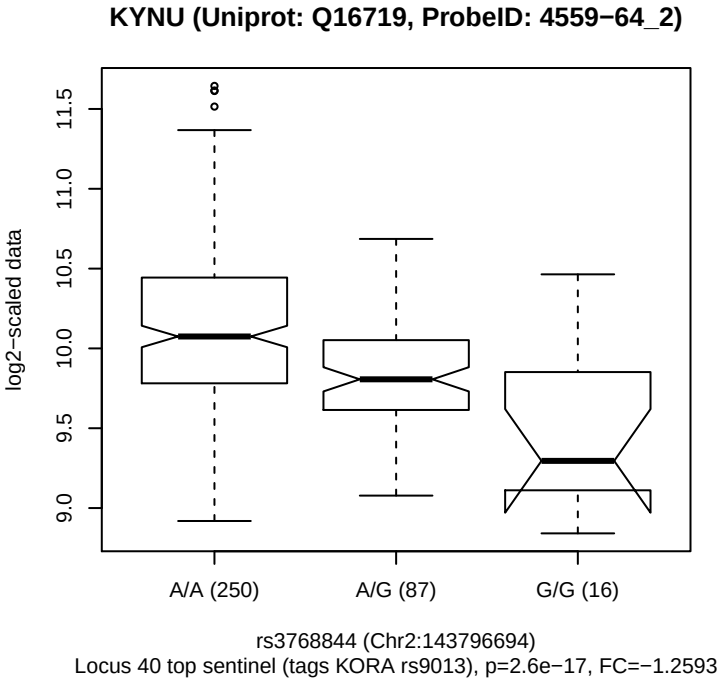

SIG14 (Uniprot: Q08ET2, ProbeID: 5125−6_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Sialic acid−binding Ig−like lectin 14

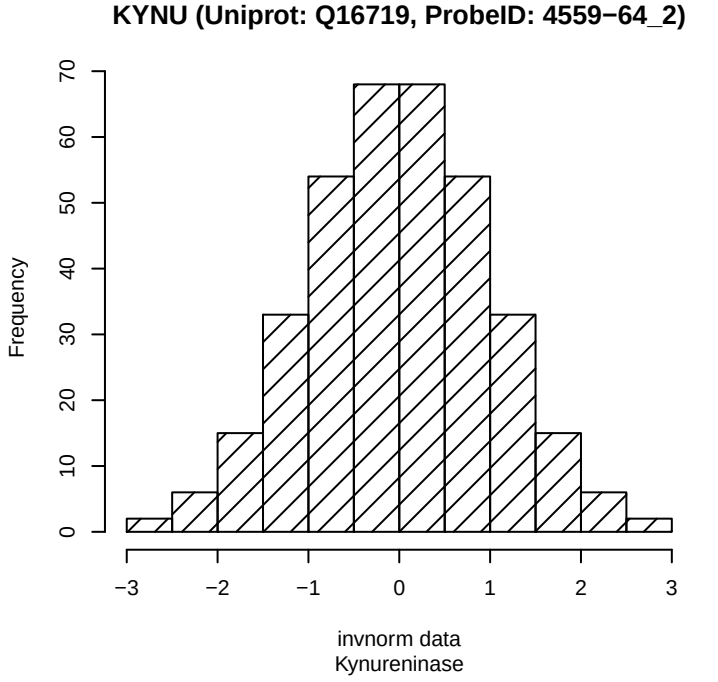

SIG14 (Uniprot: Q08ET2, ProbeID: 5125−6_3)
invnorm data
−2
−1
0
1
2
C/C (281)
C/A (68)
A/A (4)
rs7250849 (Chr19:52158316)
Locus 39 top sentinel (tags KORA rs7250849), p=1.7e−09

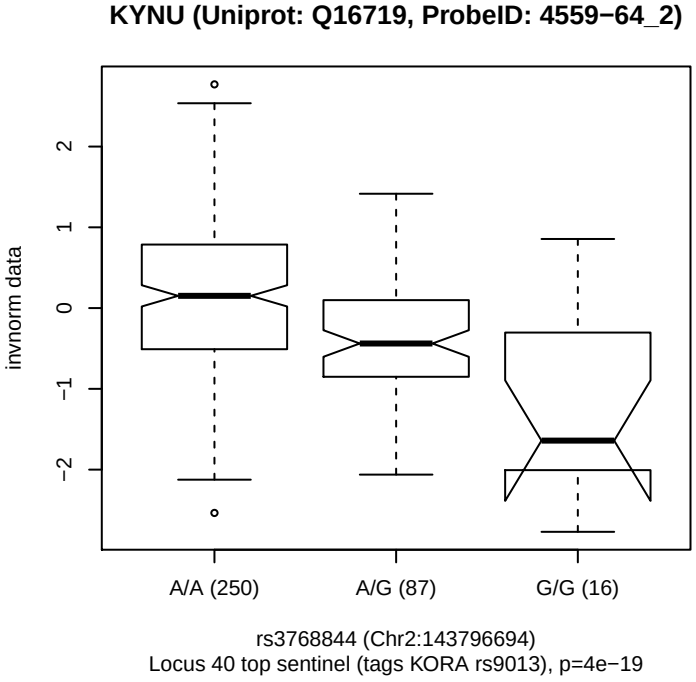

KYNU (Uniprot: Q16719, ProbeID: 4559−64_2)
Frequency
0
20
40
60
80
500
1000
1500
2000
2500
3000
3500
raw data
Kynureninase

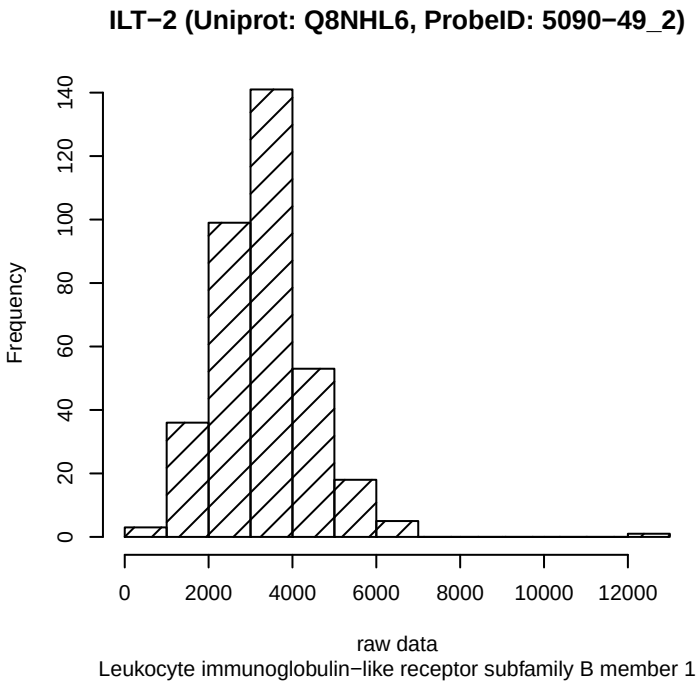

KYNU (Uniprot: Q16719, ProbeID: 4559−64_2)
raw data
500
1000
1500
2000
2500
3000
A/A (250)
A/G (87)
G/G (16)
rs3768844 (Chr2:143796694)
Locus 40 top sentinel (tags KORA rs9013), p=8e−12

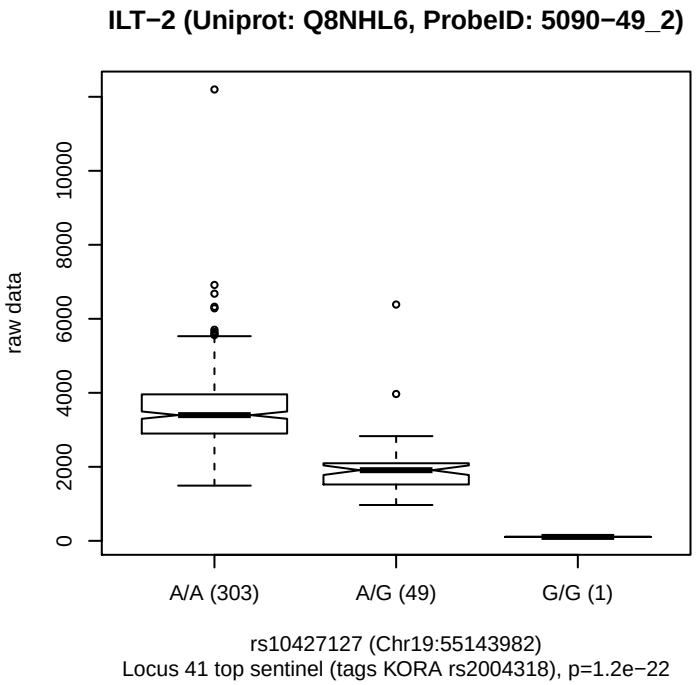

KYNU (Uniprot: Q16719, ProbeID: 4559−64_2)
Frequency
0
20
40
60
80
100
120
8.5
9.0
9.5
10.0
10.5
11.0
11.5
12.0
log2−scaled data
Kynureninase

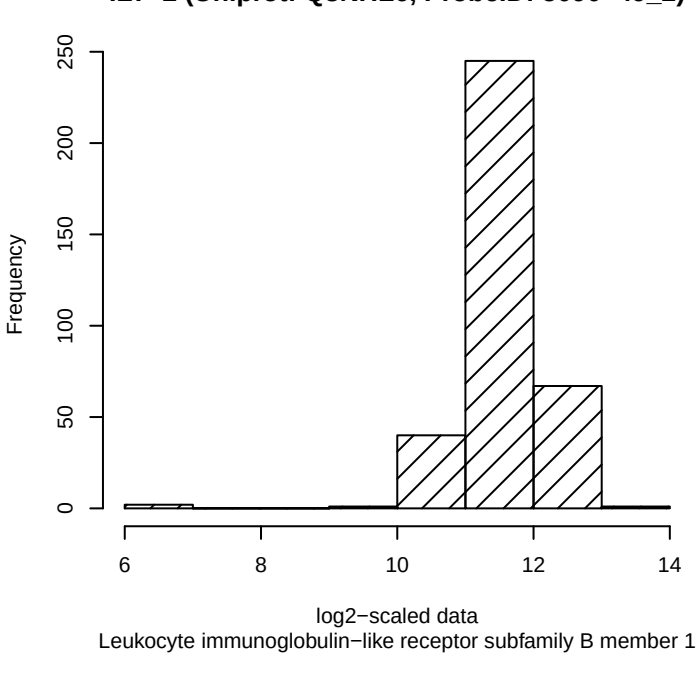

KYNU (Uniprot: Q16719, ProbeID: 4559−64_2)
log2−scaled data
9.0
9.5
10.0
10.5
11.0
11.5
A/A (250)
A/G (87)
G/G (16)
rs3768844 (Chr2:143796694)
Locus 40 top sentinel (tags KORA rs9013), p=2.6e−17, FC=−1.2593

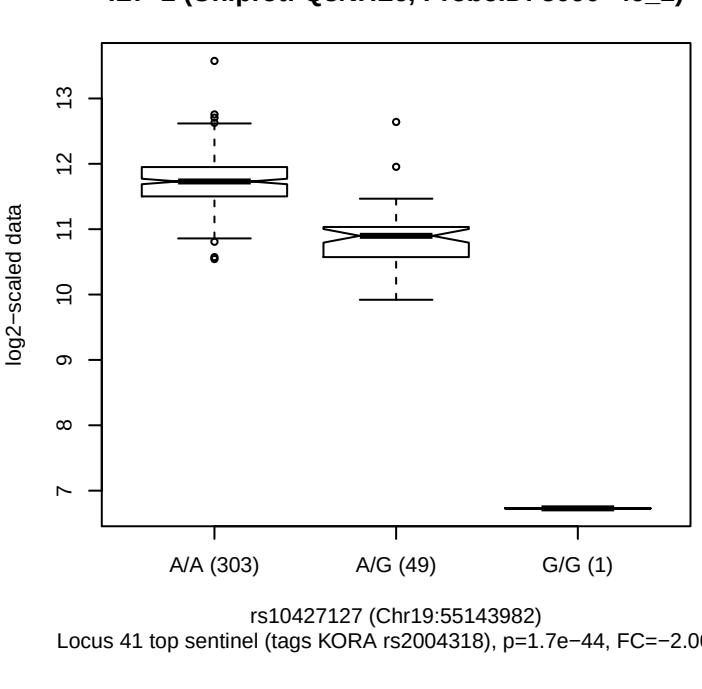

KYNU (Uniprot: Q16719, ProbeID: 4559−64_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Kynureninase

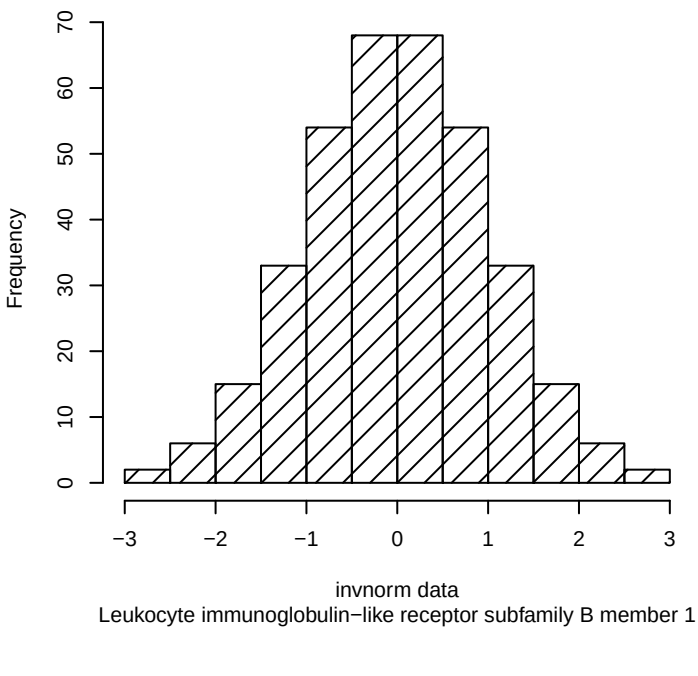

KYNU (Uniprot: Q16719, ProbeID: 4559−64_2)
invnorm data
−2
−1
0
1
2
A/A (250)
A/G (87)
G/G (16)
rs3768844 (Chr2:143796694)
Locus 40 top sentinel (tags KORA rs9013), p=4e−19

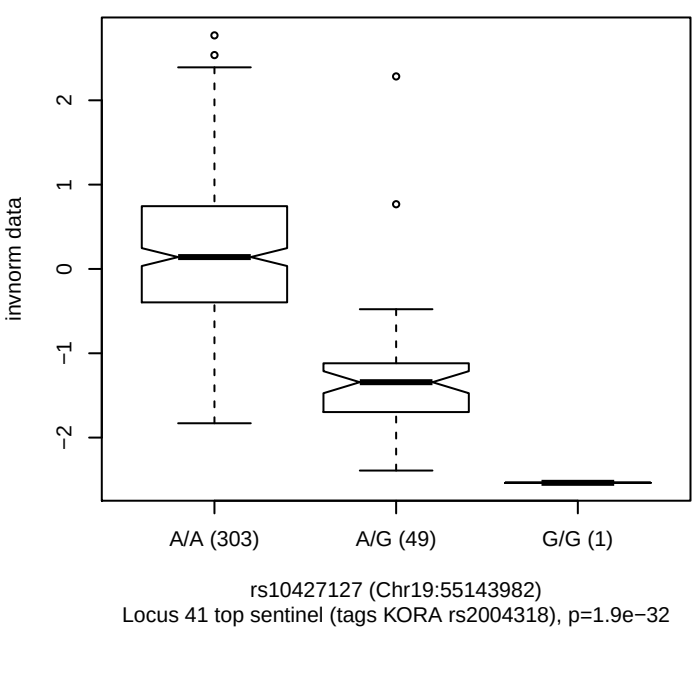

ILT−2 (Uniprot: Q8NHL6, ProbeID: 5090−49_2)
Frequency
0
20
40
60
80
100
120
140
0
2000
4000
6000
8000
10000
12000
raw data
Leukocyte immunoglobulin−like receptor subfamily B member 1

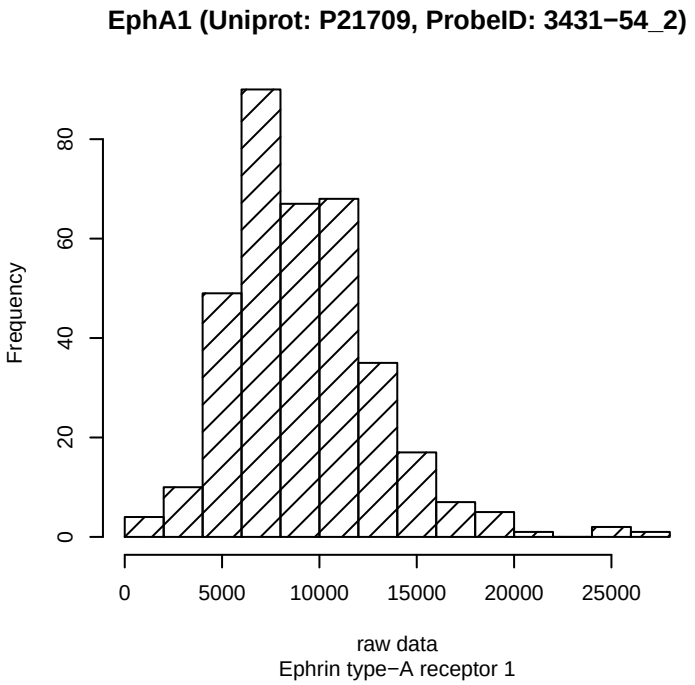

ILT−2 (Uniprot: Q8NHL6, ProbeID: 5090−49_2)
raw data
0
2000
4000
6000
8000
10000
A/A (303)
A/G (49)
G/G (1)
rs10427127 (Chr19:55143982)
Locus 41 top sentinel (tags KORA rs2004318), p=1.2e−22

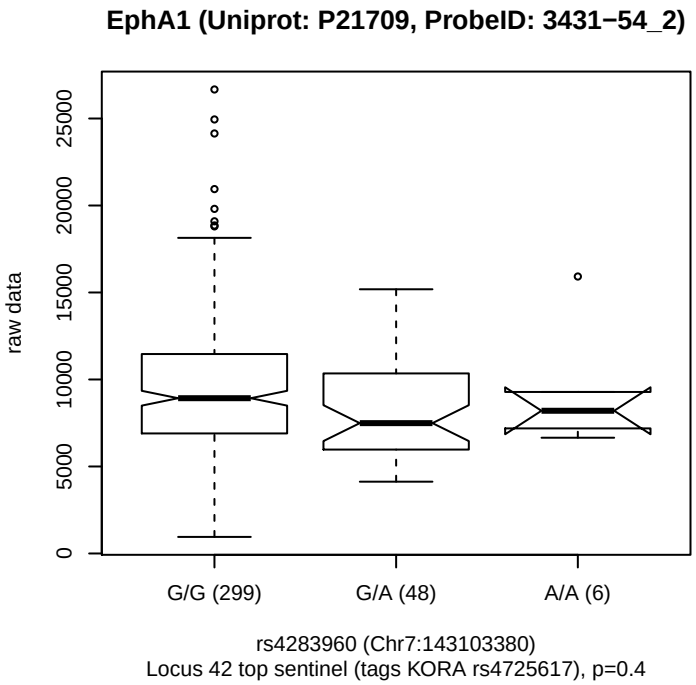

ILT−2 (Uniprot: Q8NHL6, ProbeID: 5090−49_2)
Frequency
0
50
100
150
200
250
6
8
10
12
14
log2−scaled data
Leukocyte immunoglobulin−like receptor subfamily B member 1

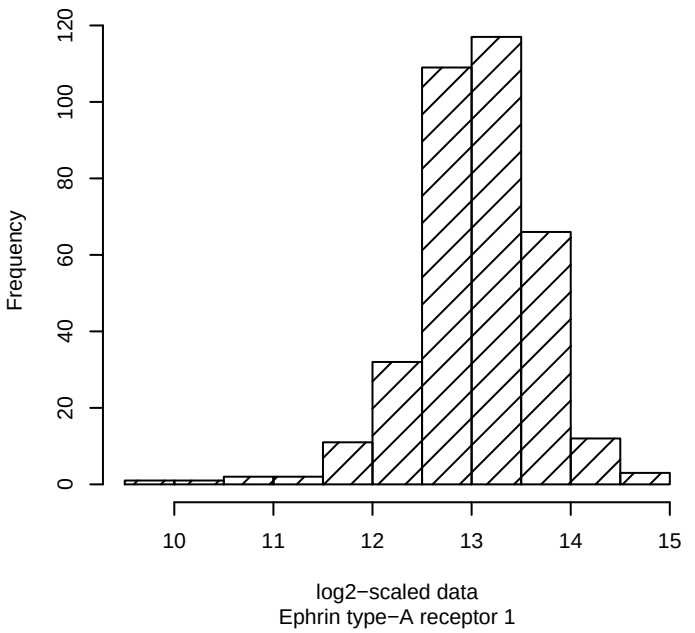

ILT−2 (Uniprot: Q8NHL6, ProbeID: 5090−49_2)
log2−scaled data
7
8
9
10
11
12
13
A/A (303)
A/G (49)
G/G (1)
rs10427127 (Chr19:55143982)
Locus 41 top sentinel (tags KORA rs2004318), p=1.7e−44, FC=−2.0036

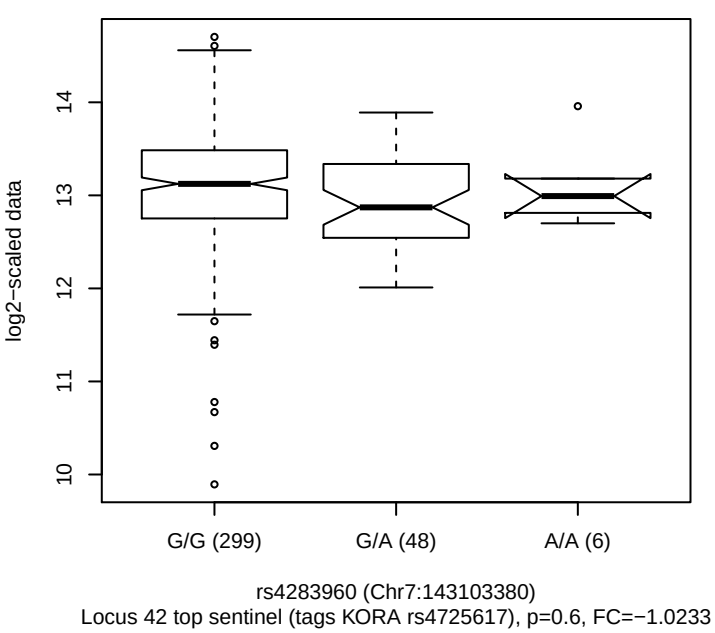

ILT−2 (Uniprot: Q8NHL6, ProbeID: 5090−49_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Leukocyte immunoglobulin−like receptor subfamily B member 1

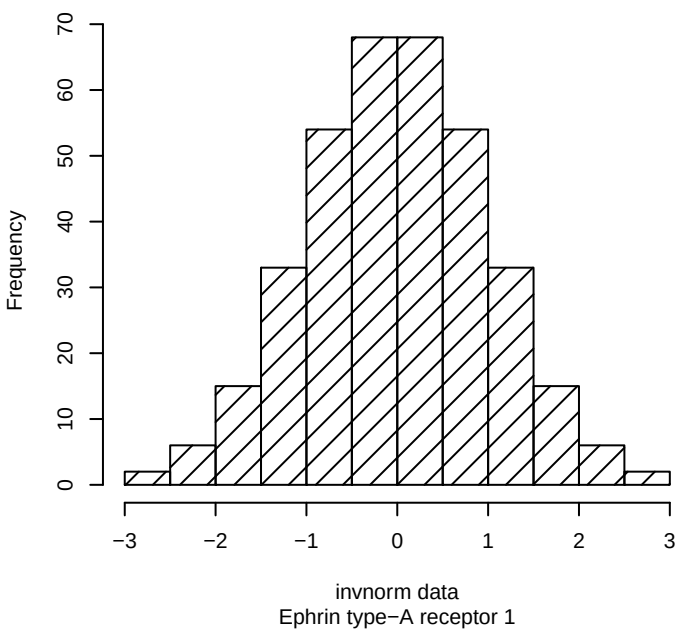

ILT−2 (Uniprot: Q8NHL6, ProbeID: 5090−49_2)
invnorm data
−2
−1
0
1
2
A/A (303)
A/G (49)
G/G (1)
rs10427127 (Chr19:55143982)
Locus 41 top sentinel (tags KORA rs2004318), p=1.9e−32

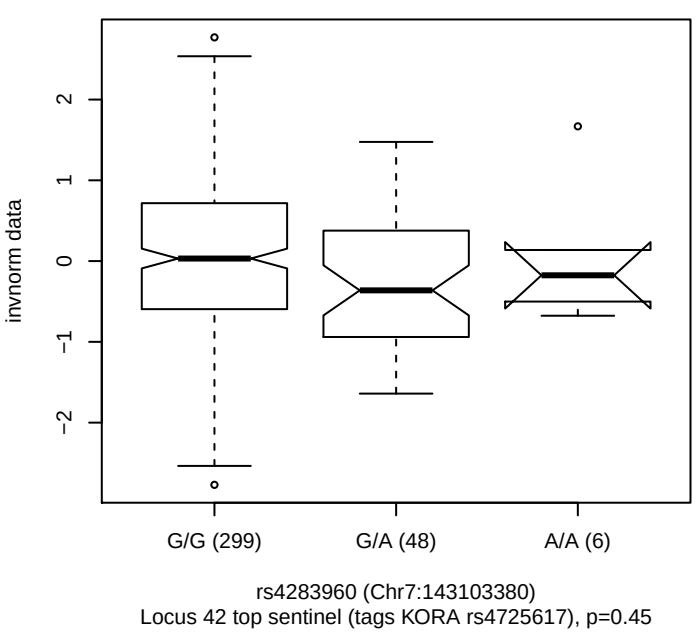

EphA1 (Uniprot: P21709, ProbeID: 3431−54_2)
Frequency
0
20
40
60
80
0
5000
10000
15000
20000
25000
raw data
Ephrin type−A receptor 1

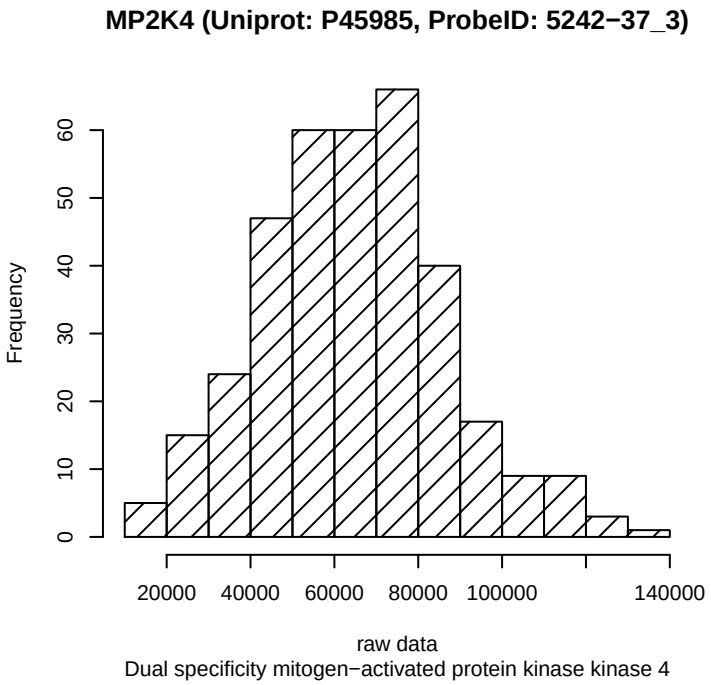

EphA1 (Uniprot: P21709, ProbeID: 3431−54_2)
raw data
0
5000
10000
15000
20000
25000
G/G (299)
G/A (48)
A/A (6)
rs4283960 (Chr7:143103380)
Locus 42 top sentinel (tags KORA rs4725617), p=0.4

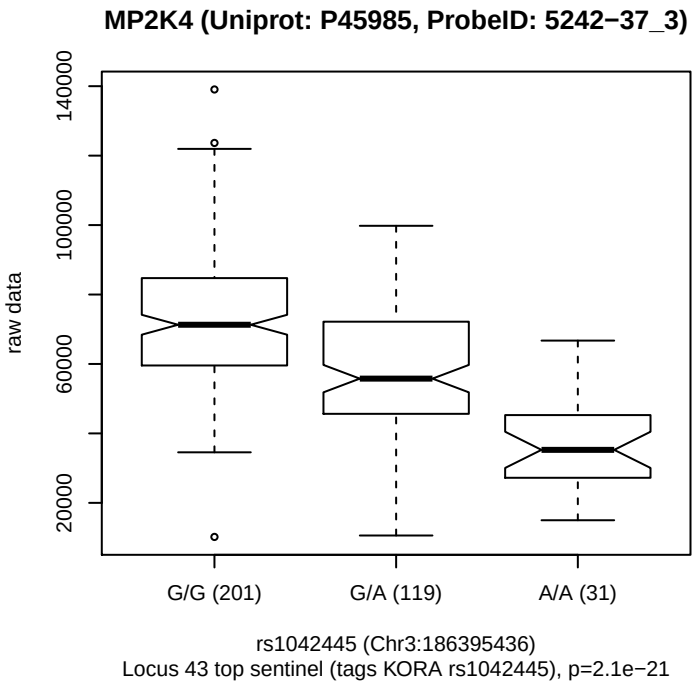

EphA1 (Uniprot: P21709, ProbeID: 3431−54_2)
Frequency
0
20
40
60
80
100
120
10
11
12
13
14
15
log2−scaled data
Ephrin type−A receptor 1

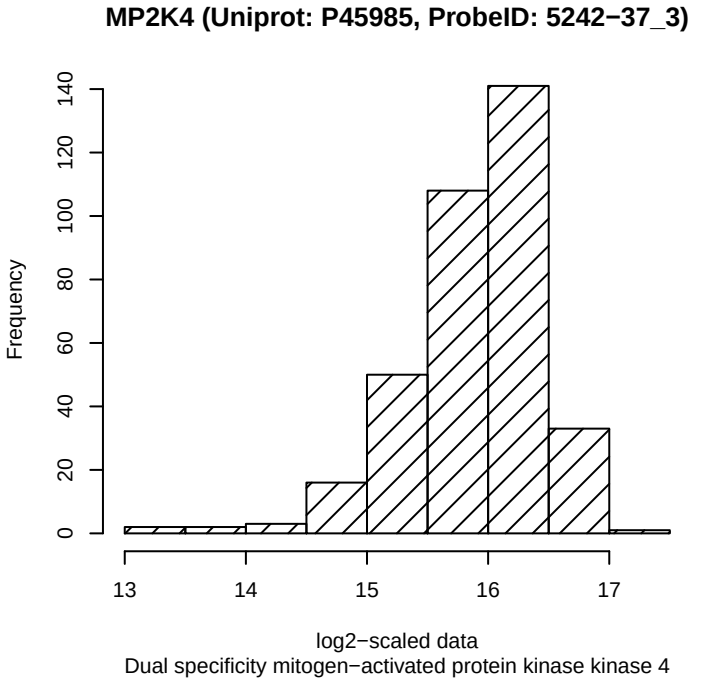

EphA1 (Uniprot: P21709, ProbeID: 3431−54_2)
log2−scaled data
10
11
12
13
14
G/G (299)
G/A (48)
A/A (6)
rs4283960 (Chr7:143103380)
Locus 42 top sentinel (tags KORA rs4725617), p=0.6, FC=−1.0233

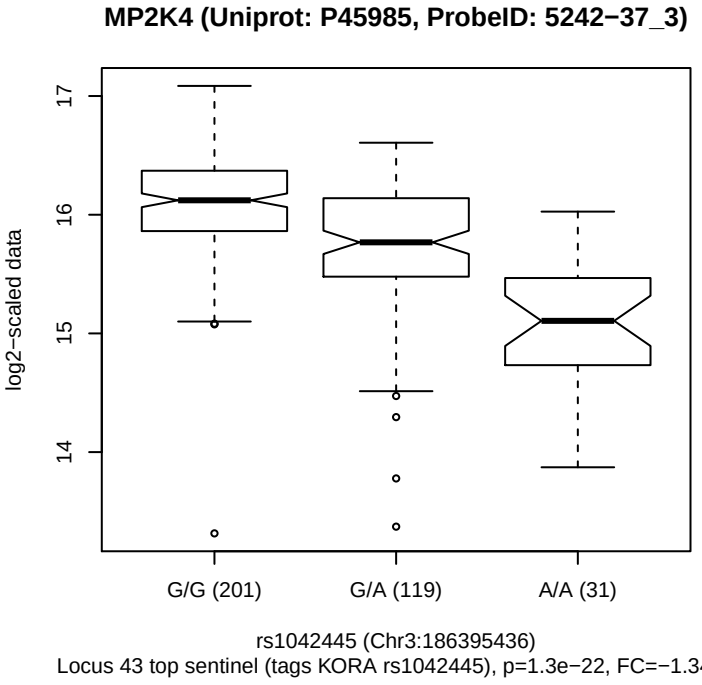

EphA1 (Uniprot: P21709, ProbeID: 3431−54_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Ephrin type−A receptor 1

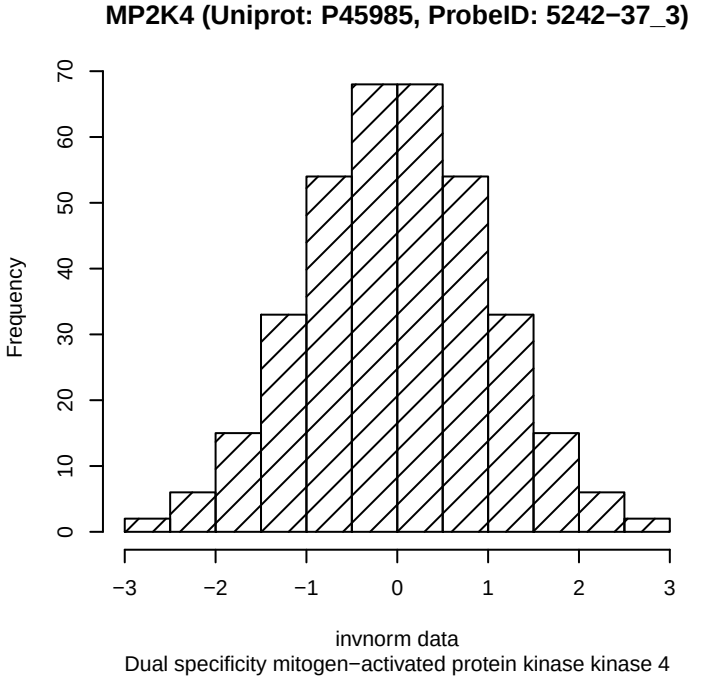

EphA1 (Uniprot: P21709, ProbeID: 3431−54_2)
invnorm data
−2
−1
0
1
2
G/G (299)
G/A (48)
A/A (6)
rs4283960 (Chr7:143103380)
Locus 42 top sentinel (tags KORA rs4725617), p=0.45

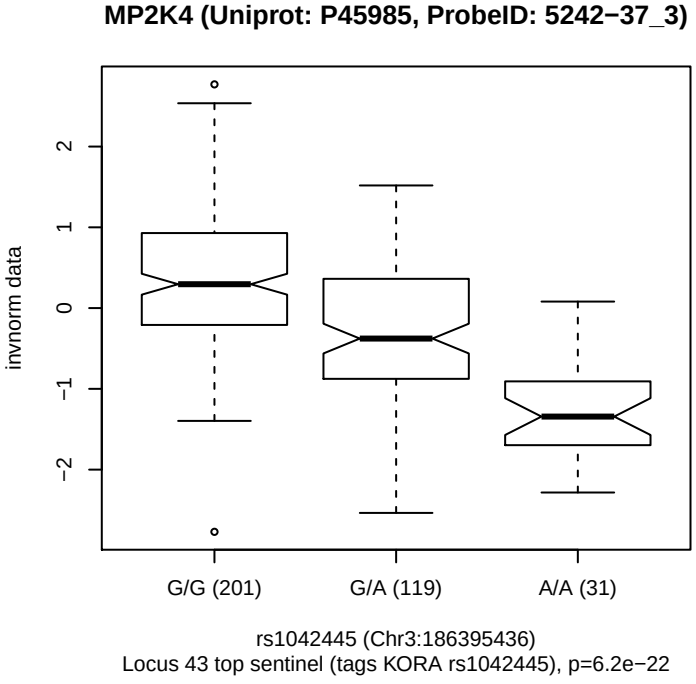

MP2K4 (Uniprot: P45985, ProbeID: 5242−37_3)
Frequency
0
10
20
30
40
50
60
20000
40000
60000
80000
100000
140000
raw data
Dual specificity mitogen−activated protein kinase kinase 4

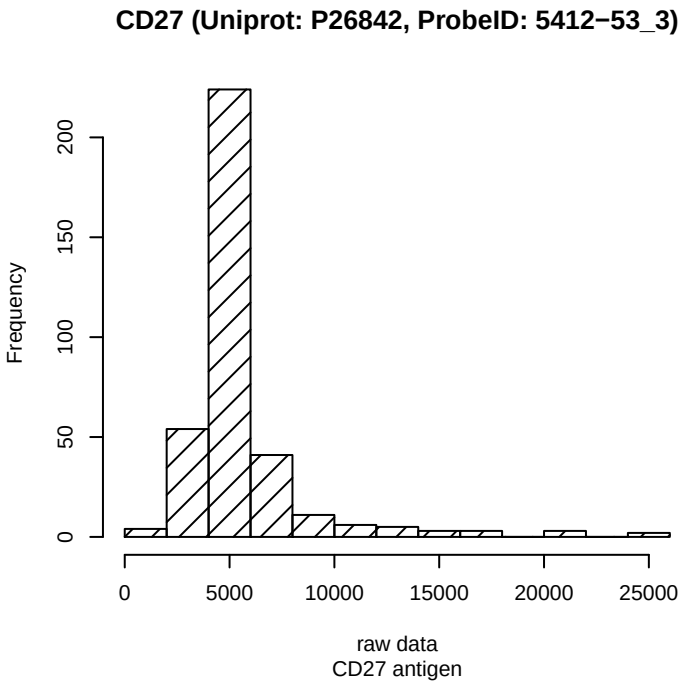

MP2K4 (Uniprot: P45985, ProbeID: 5242−37_3)
raw data
20000
60000
100000
140000
G/G (201)
G/A (119)
A/A (31)
rs1042445 (Chr3:186395436)
Locus 43 top sentinel (tags KORA rs1042445), p=2.1e−21

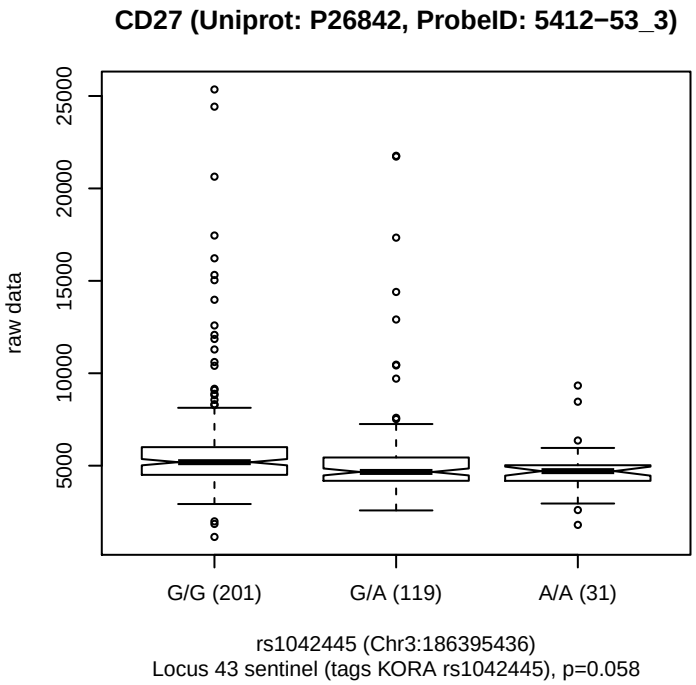

MP2K4 (Uniprot: P45985, ProbeID: 5242−37_3)
Frequency
0
20
40
60
80
100
120
140
13
14
15
16
17
log2−scaled data
Dual specificity mitogen−activated protein kinase kinase 4

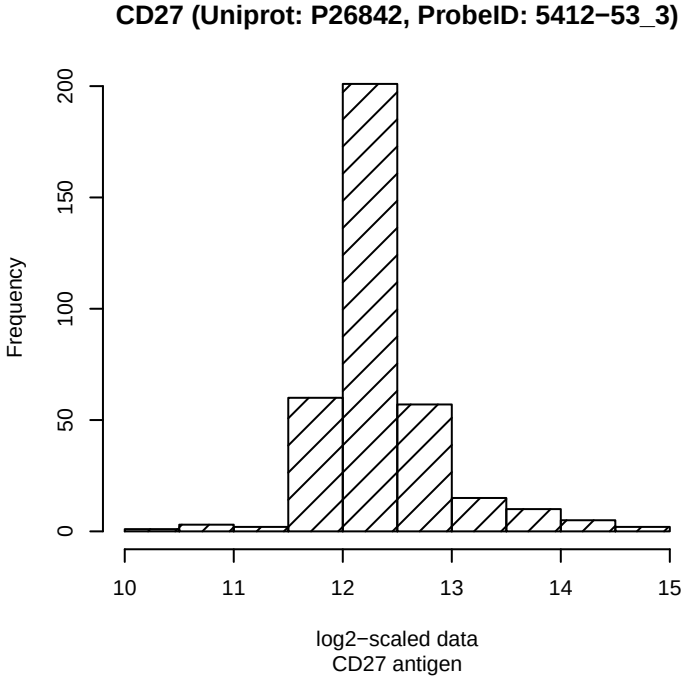

MP2K4 (Uniprot: P45985, ProbeID: 5242−37_3)
log2−scaled data
14
15
16
17
G/G (201)
G/A (119)
A/A (31)
rs1042445 (Chr3:186395436)
Locus 43 top sentinel (tags KORA rs1042445), p=1.3e−22, FC=−1.3498

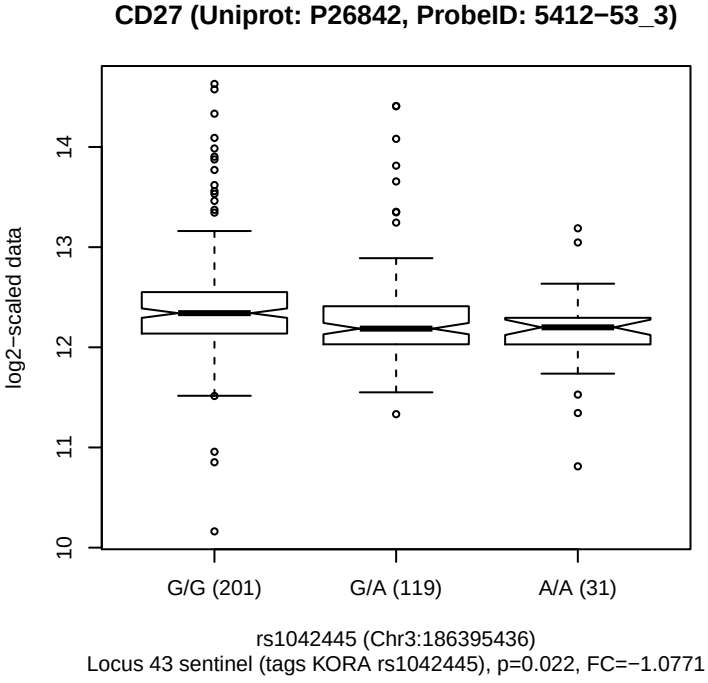

MP2K4 (Uniprot: P45985, ProbeID: 5242−37_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Dual specificity mitogen−activated protein kinase kinase 4

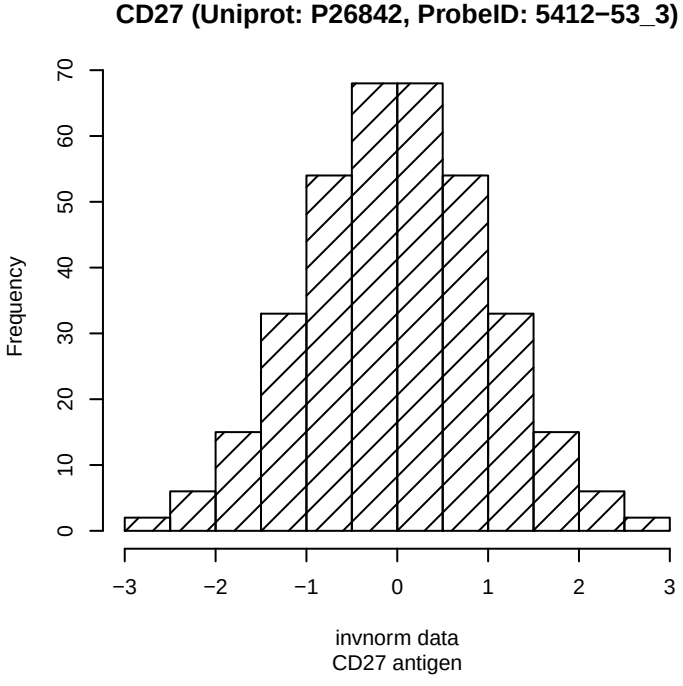

MP2K4 (Uniprot: P45985, ProbeID: 5242−37_3)
invnorm data
−2
−1
0
1
2
G/G (201)
G/A (119)
A/A (31)
rs1042445 (Chr3:186395436)
Locus 43 top sentinel (tags KORA rs1042445), p=6.2e−22

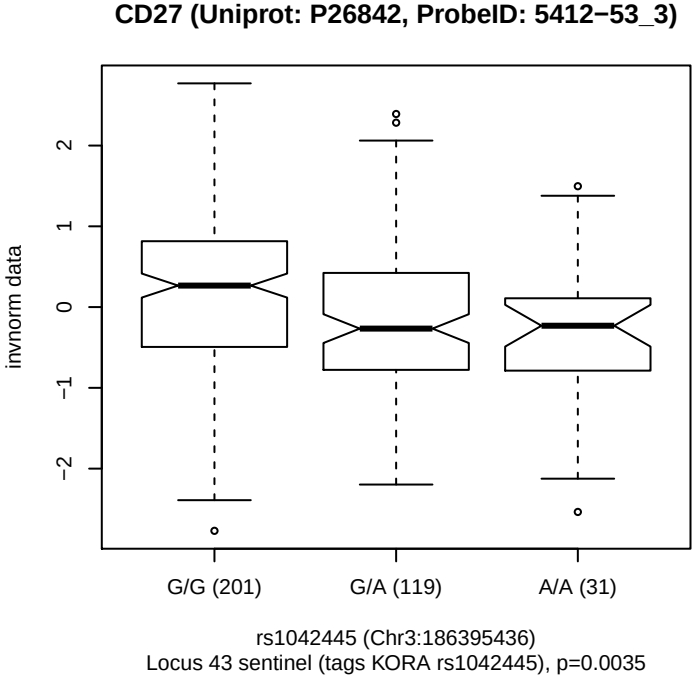

CD27 (Uniprot: P26842, ProbeID: 5412−53_3)
Frequency
0
50
100
150
200
0
5000
10000
15000
20000
25000
raw data
CD27 antigen

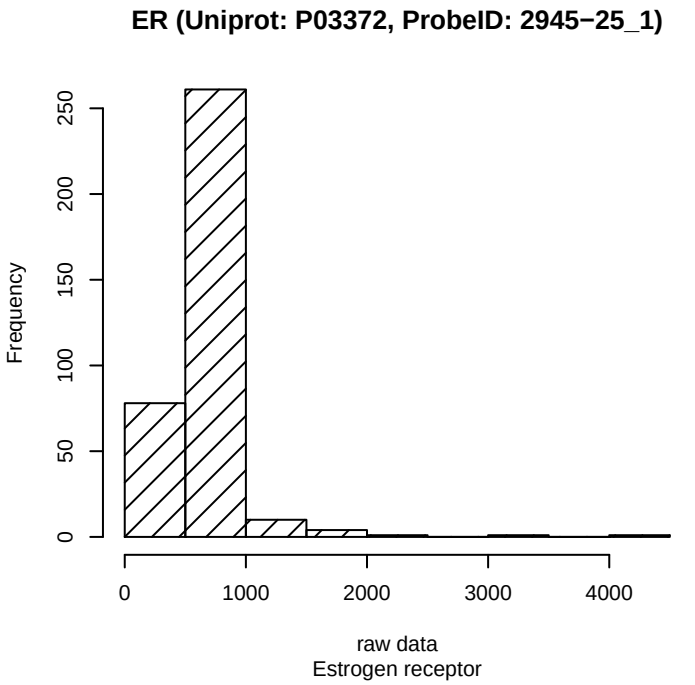

CD27 (Uniprot: P26842, ProbeID: 5412−53_3)
raw data
5000
10000
15000
20000
25000
G/G (201)
G/A (119)
A/A (31)
rs1042445 (Chr3:186395436)
Locus 43 sentinel (tags KORA rs1042445), p=0.058

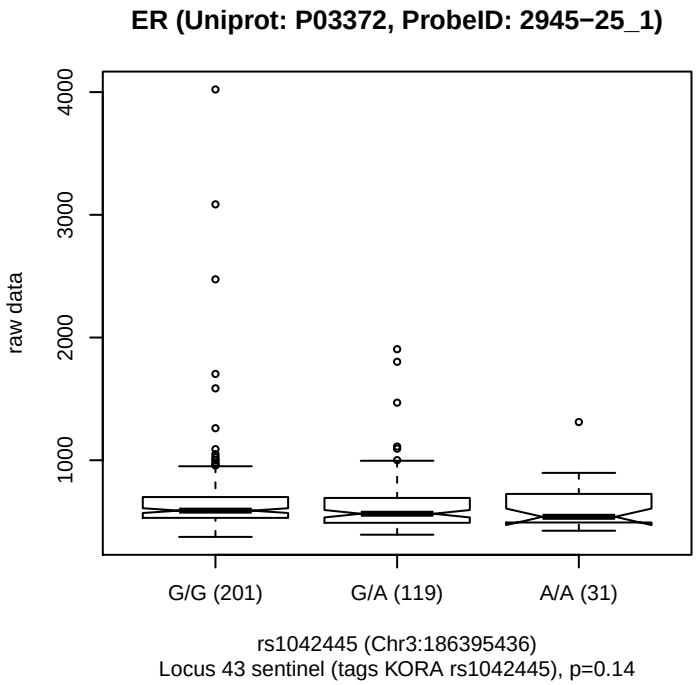

CD27 (Uniprot: P26842, ProbeID: 5412−53_3)
Frequency
0
50
100
150
200
10
11
12
13
14
15
log2−scaled data
CD27 antigen

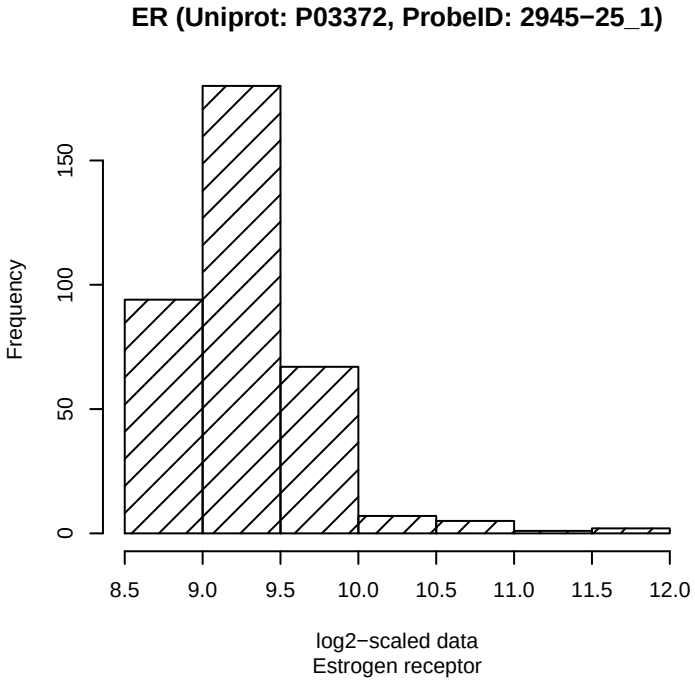

CD27 (Uniprot: P26842, ProbeID: 5412−53_3)
log2−scaled data
10
11
12
13
14
G/G (201)
G/A (119)
A/A (31)
rs1042445 (Chr3:186395436)
Locus 43 sentinel (tags KORA rs1042445), p=0.022, FC=−1.0771

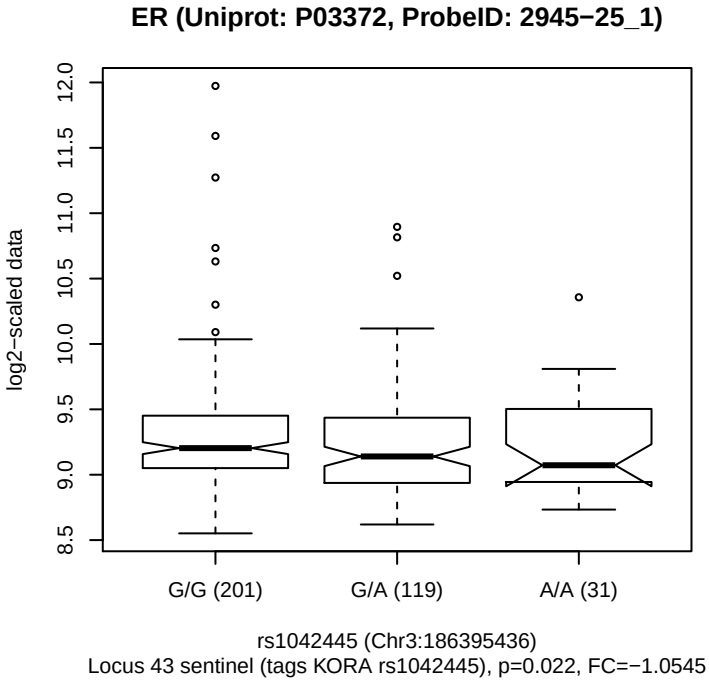

CD27 (Uniprot: P26842, ProbeID: 5412−53_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
CD27 antigen

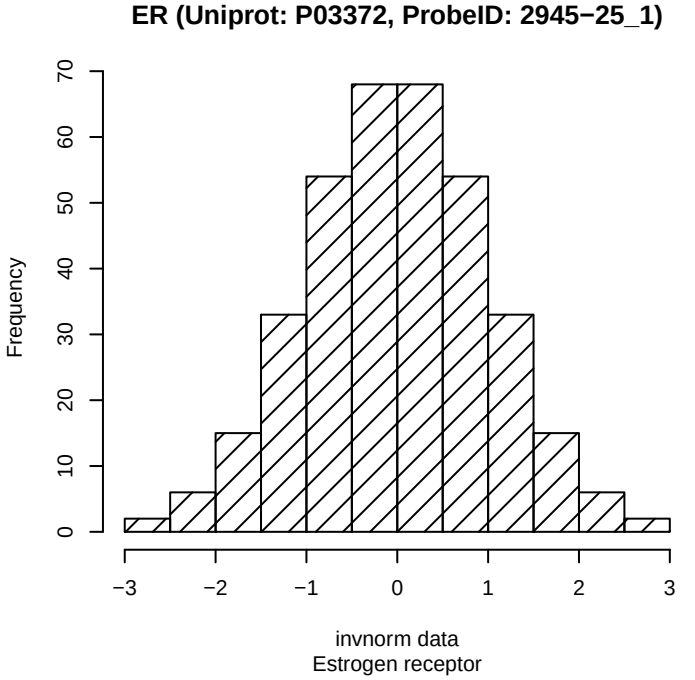

CD27 (Uniprot: P26842, ProbeID: 5412−53_3)
invnorm data
−2
−1
0
1
2
G/G (201)
G/A (119)
A/A (31)
rs1042445 (Chr3:186395436)
Locus 43 sentinel (tags KORA rs1042445), p=0.0035

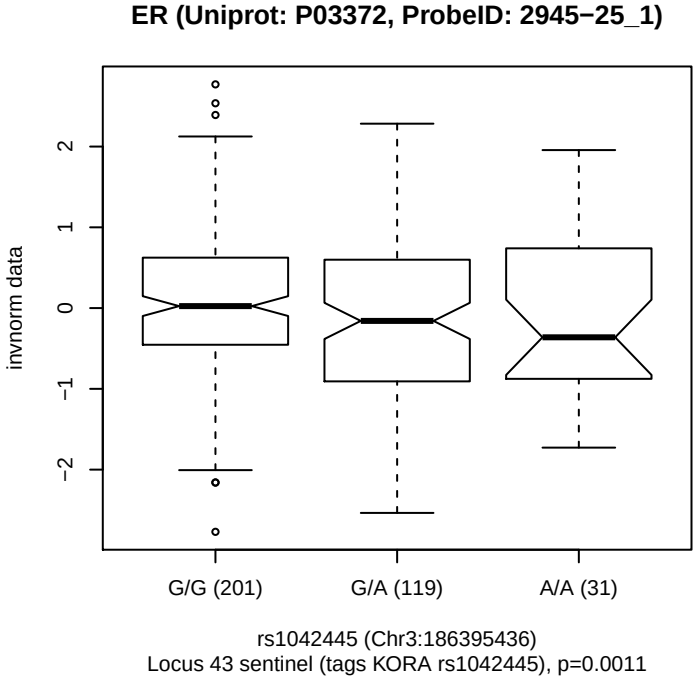

ER (Uniprot: P03372, ProbeID: 2945−25_1)
Frequency
0
50
100
150
200
250
0
1000
2000
3000
4000
raw data
Estrogen receptor

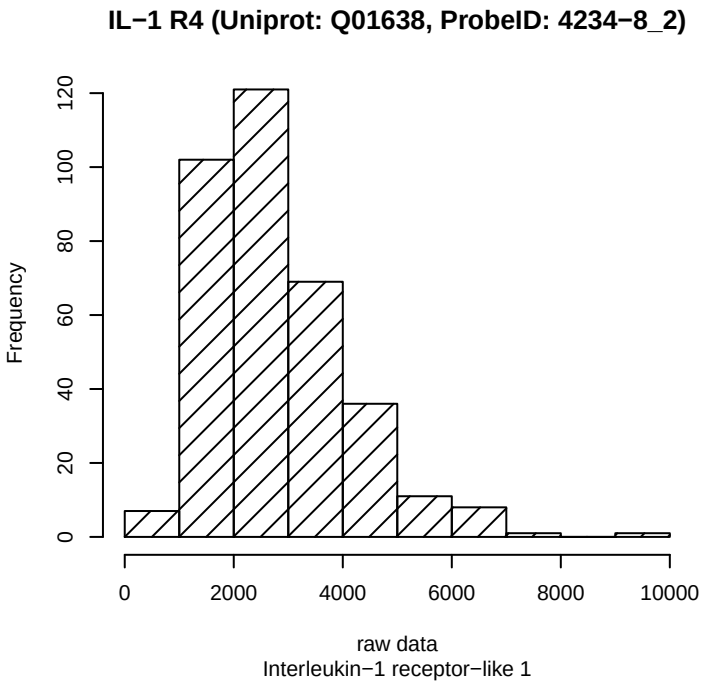

ER (Uniprot: P03372, ProbeID: 2945−25_1)
raw data
1000
2000
3000
4000
G/G (201)
G/A (119)
A/A (31)
rs1042445 (Chr3:186395436)
Locus 43 sentinel (tags KORA rs1042445), p=0.14

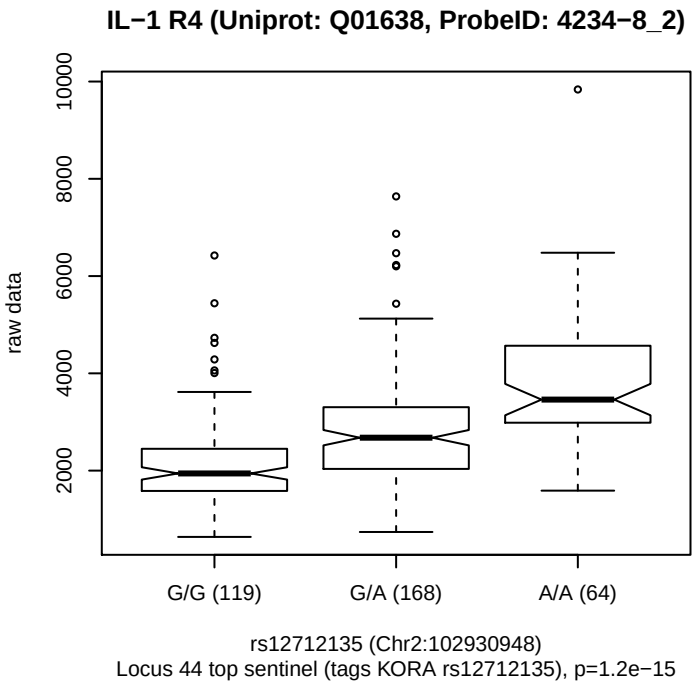

ER (Uniprot: P03372, ProbeID: 2945−25_1)
Frequency
0
50
100
150
8.5
9.0
9.5
10.0
10.5
11.0
11.5
12.0
log2−scaled data
Estrogen receptor

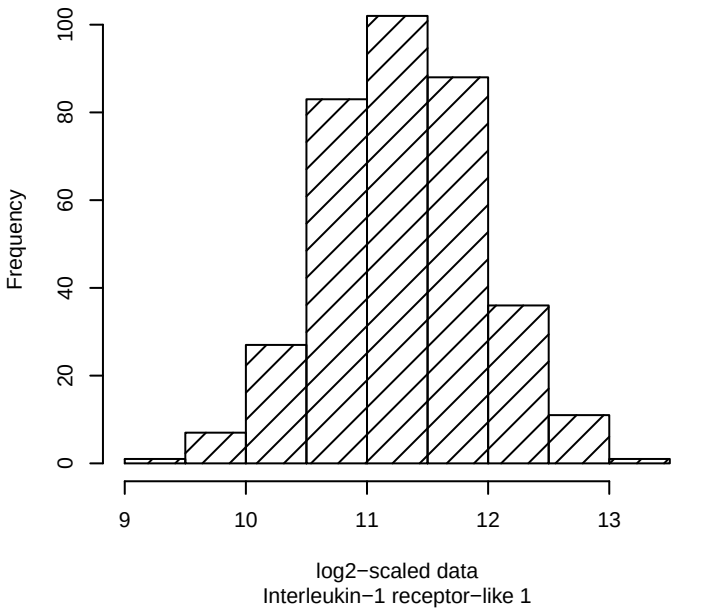

ER (Uniprot: P03372, ProbeID: 2945−25_1)
log2−scaled data
8.5
9.0
9.5
10.0
10.5
11.0
11.5
12.0
G/G (201)
G/A (119)
A/A (31)
rs1042445 (Chr3:186395436)
Locus 43 sentinel (tags KORA rs1042445), p=0.022, FC=−1.0545

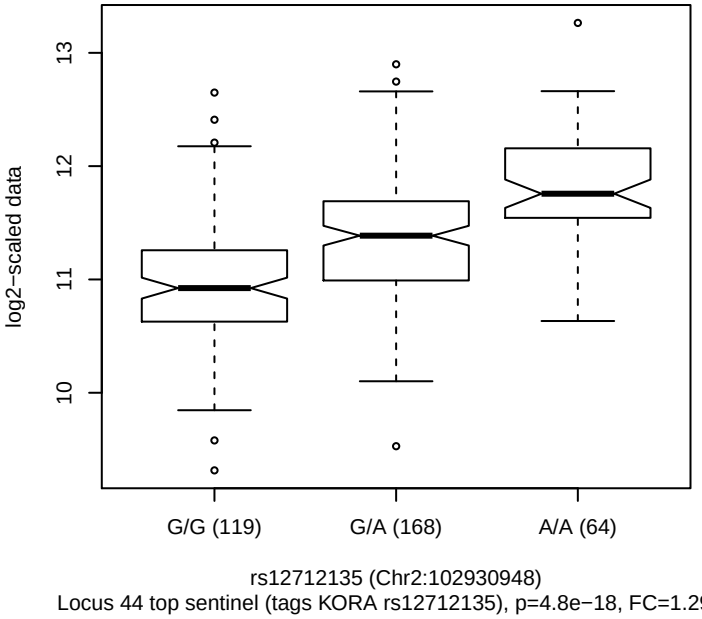

ER (Uniprot: P03372, ProbeID: 2945−25_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Estrogen receptor

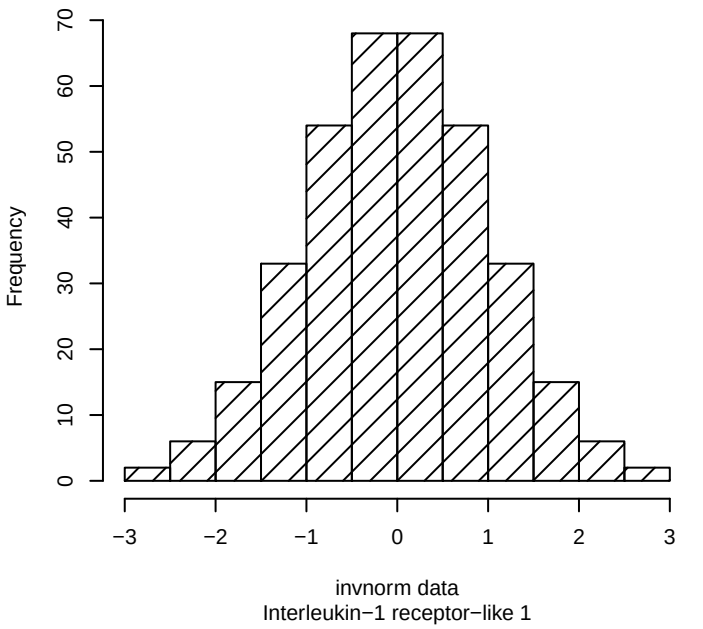

ER (Uniprot: P03372, ProbeID: 2945−25_1)
invnorm data
−2
−1
0
1
2
G/G (201)
G/A (119)
A/A (31)
rs1042445 (Chr3:186395436)
Locus 43 sentinel (tags KORA rs1042445), p=0.0011

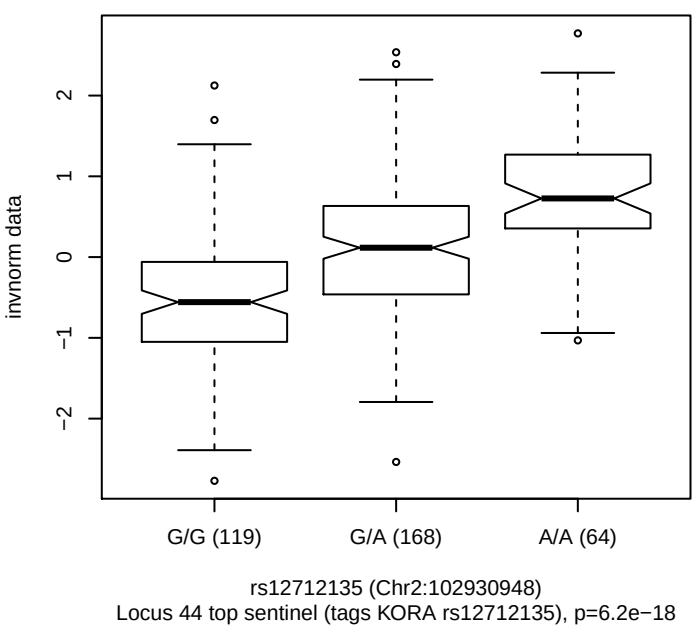

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
Frequency
0
20
40
60
80
100
120
0
2000
4000
6000
8000
10000
raw data
Interleukin−1 receptor−like 1

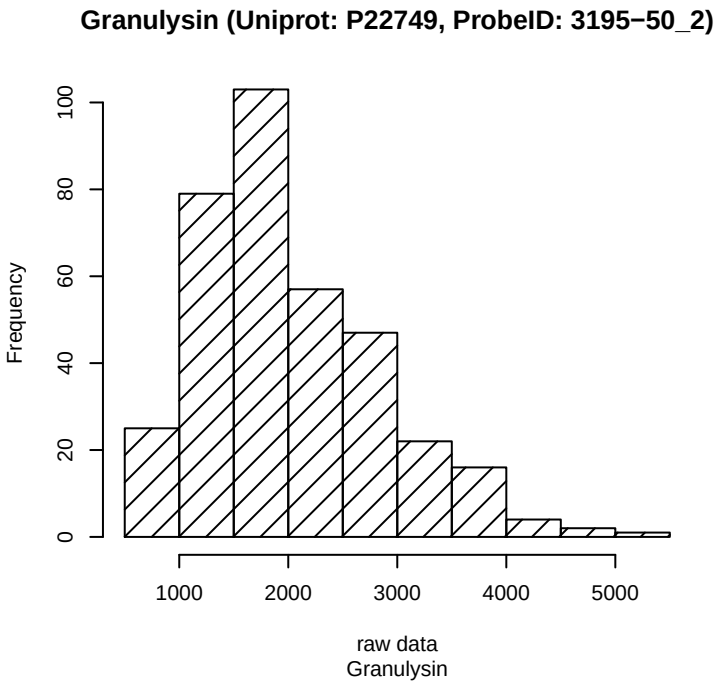

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
raw data
2000
4000
6000
8000
10000
G/G (119)
G/A (168)
A/A (64)
rs12712135 (Chr2:102930948)
Locus 44 top sentinel (tags KORA rs12712135), p=1.2e−15

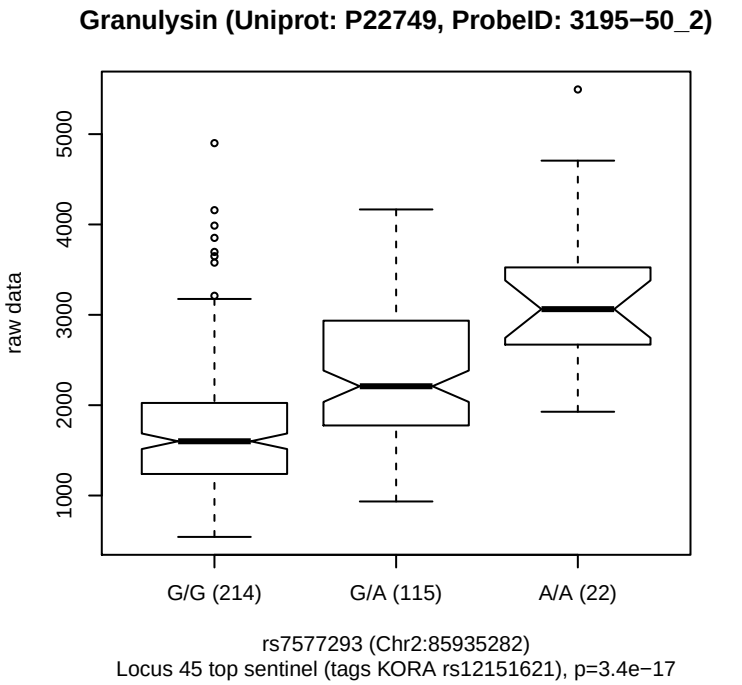

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
Frequency
0
20
40
60
80
100
9
10
11
12
13
log2−scaled data
Interleukin−1 receptor−like 1

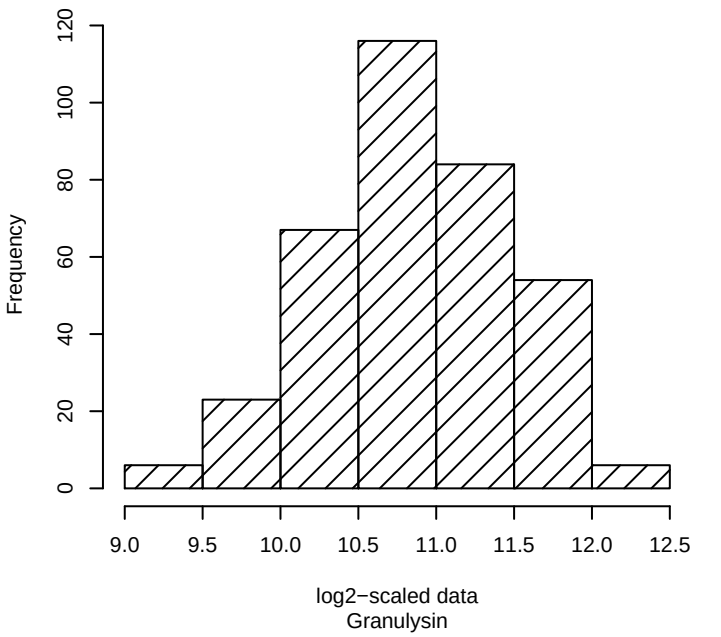

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
log2−scaled data
10
11
12
13
G/G (119)
G/A (168)
A/A (64)
rs12712135 (Chr2:102930948)
Locus 44 top sentinel (tags KORA rs12712135), p=4.8e−18, FC=1.2988

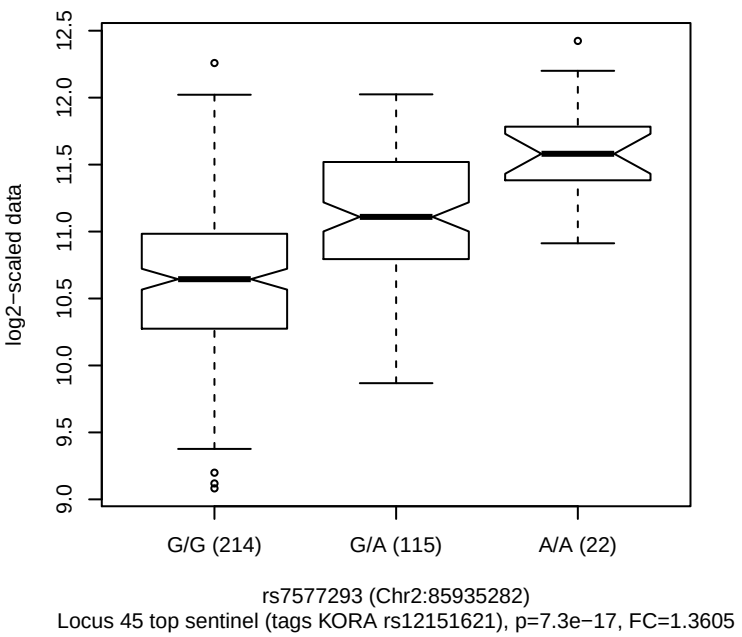

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−1 receptor−like 1

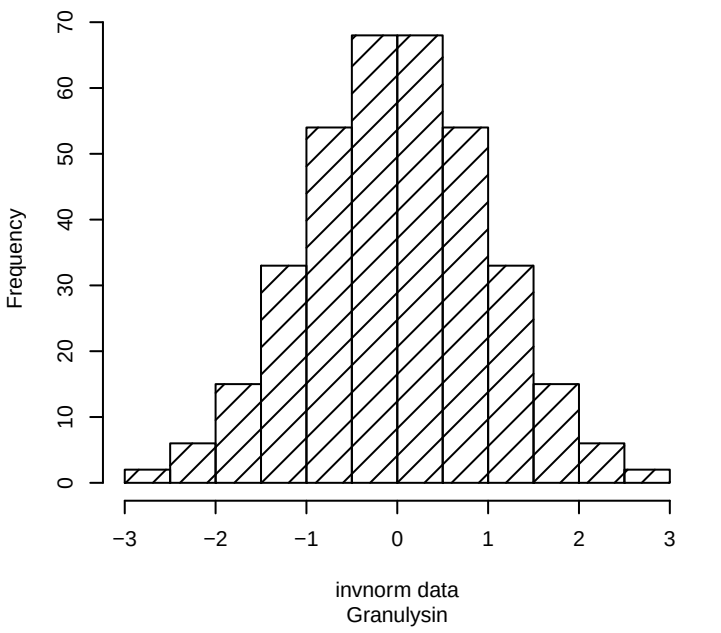

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
invnorm data
−2
−1
0
1
2
G/G (119)
G/A (168)
A/A (64)
rs12712135 (Chr2:102930948)
Locus 44 top sentinel (tags KORA rs12712135), p=6.2e−18

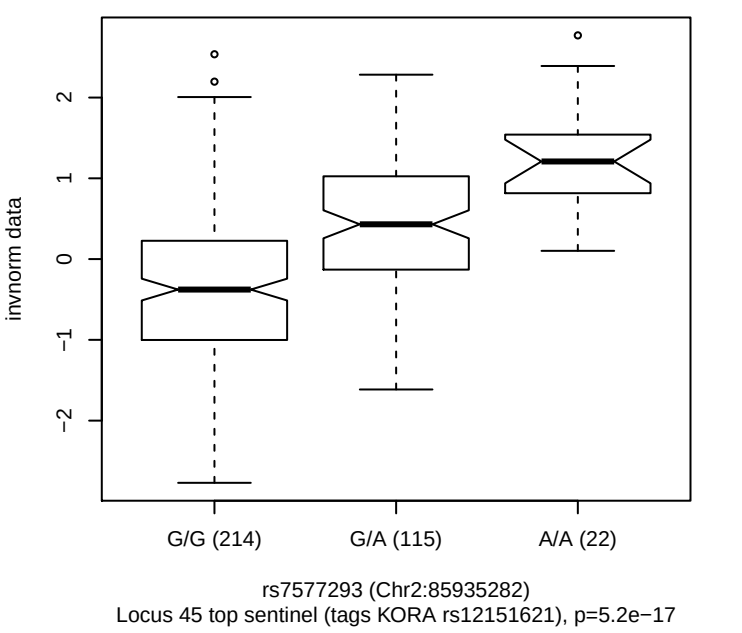

Granulysin (Uniprot: P22749, ProbeID: 3195−50_2)
Frequency
0
20
40
60
80
100
1000
2000
3000
4000
5000
raw data
Granulysin

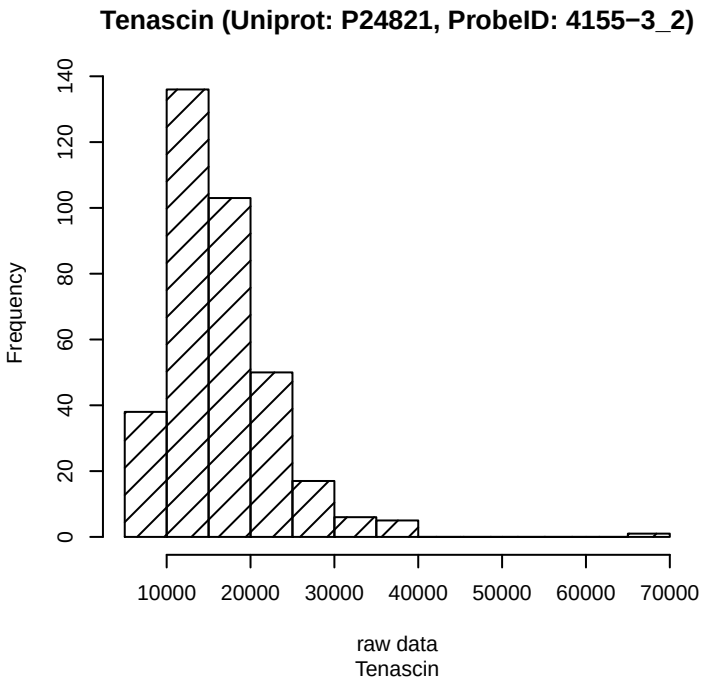

Granulysin (Uniprot: P22749, ProbeID: 3195−50_2)
raw data
1000
2000
3000
4000
5000
G/G (214)
G/A (115)
A/A (22)
rs7577293 (Chr2:85935282)
Locus 45 top sentinel (tags KORA rs12151621), p=3.4e−17

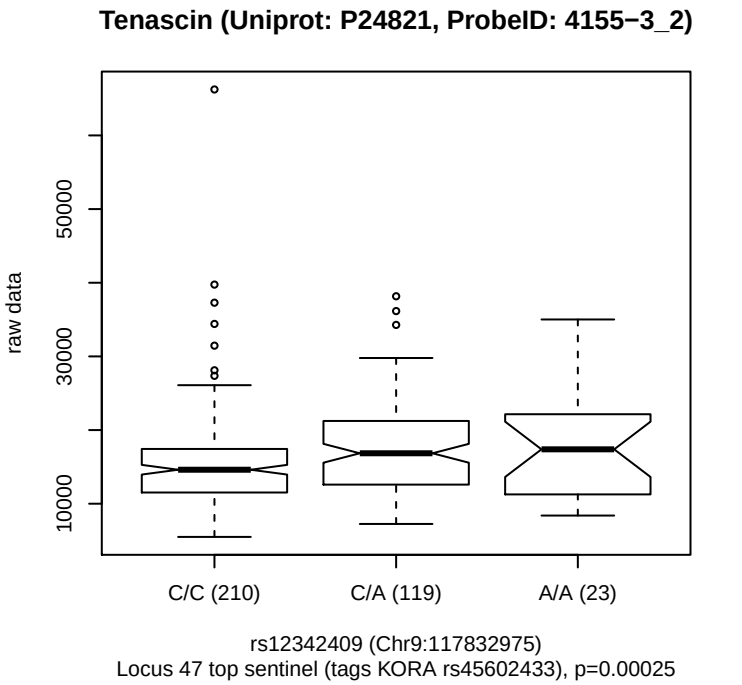

Granulysin (Uniprot: P22749, ProbeID: 3195−50_2)
Frequency
0
20
40
60
80
100
120
9.0
9.5
10.0
10.5
11.0
11.5
12.0
12.5
log2−scaled data
Granulysin

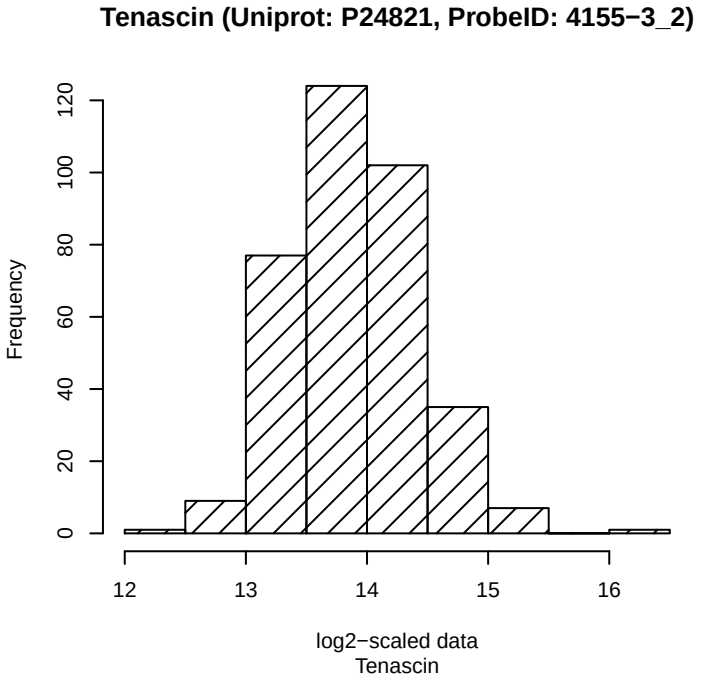

Granulysin (Uniprot: P22749, ProbeID: 3195−50_2)
log2−scaled data
9.0
9.5
10.0
10.5
11.0
11.5
12.0
12.5
G/G (214)
G/A (115)
A/A (22)
rs7577293 (Chr2:85935282)
Locus 45 top sentinel (tags KORA rs12151621), p=7.3e−17, FC=1.3605

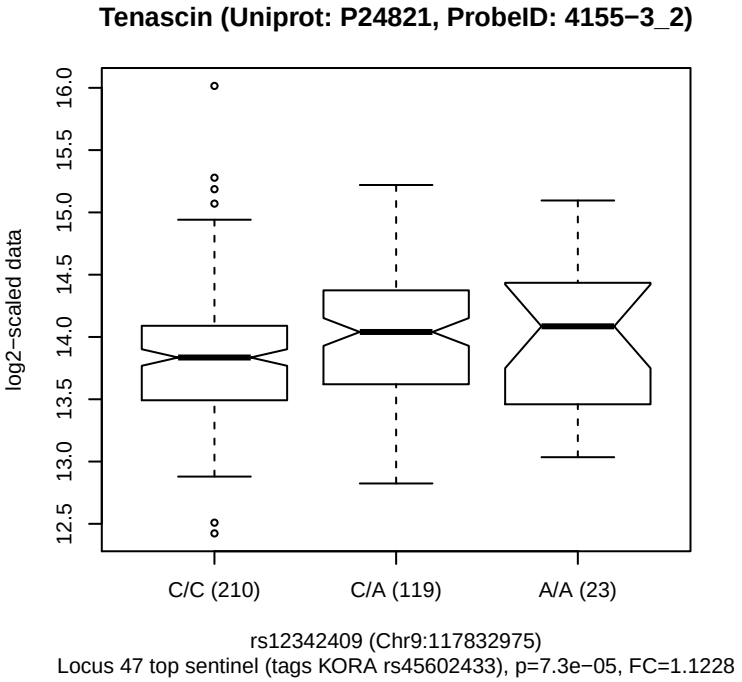

Granulysin (Uniprot: P22749, ProbeID: 3195−50_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Granulysin

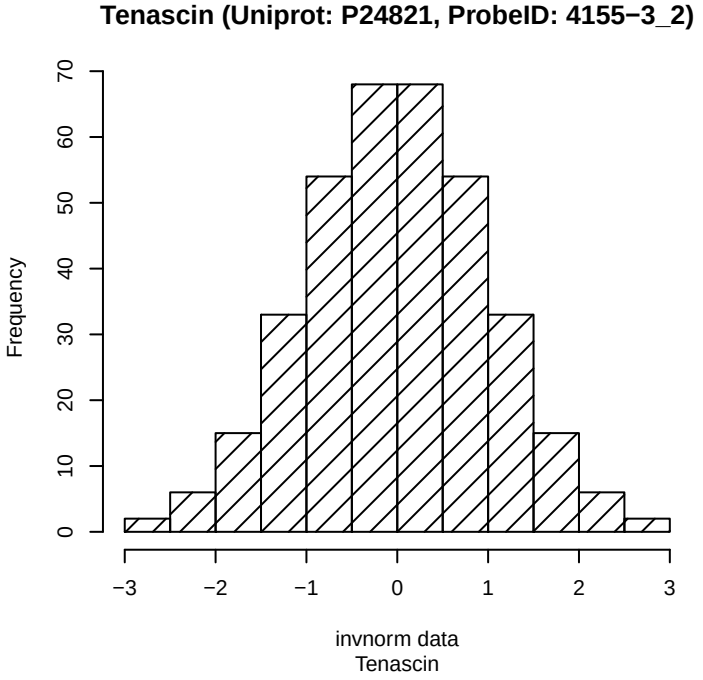

Granulysin (Uniprot: P22749, ProbeID: 3195−50_2)
invnorm data
−2
−1
0
1
2
G/G (214)
G/A (115)
A/A (22)
rs7577293 (Chr2:85935282)
Locus 45 top sentinel (tags KORA rs12151621), p=5.2e−17

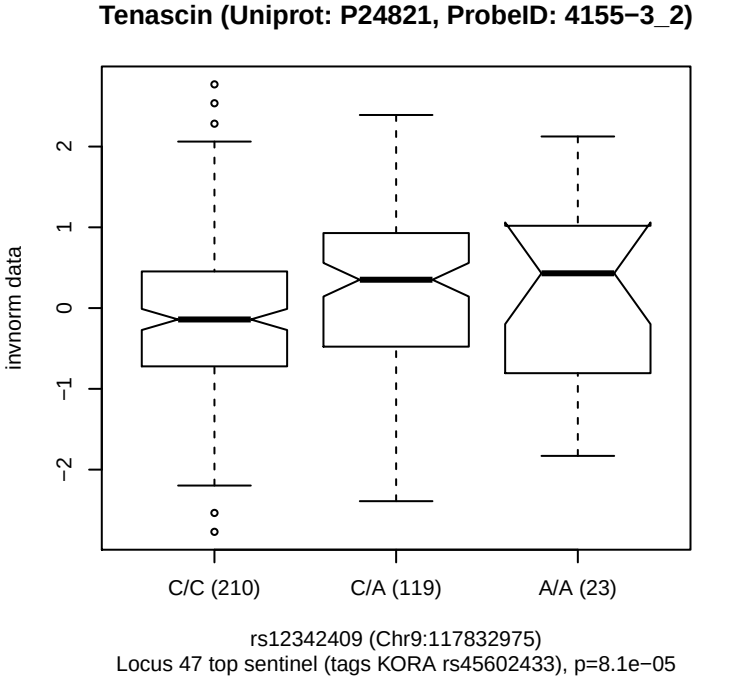

Tenascin (Uniprot: P24821, ProbeID: 4155−3_2)
Frequency
0
20
40
60
80
100
120
140
10000
20000
30000
40000
50000
60000
70000
raw data
Tenascin

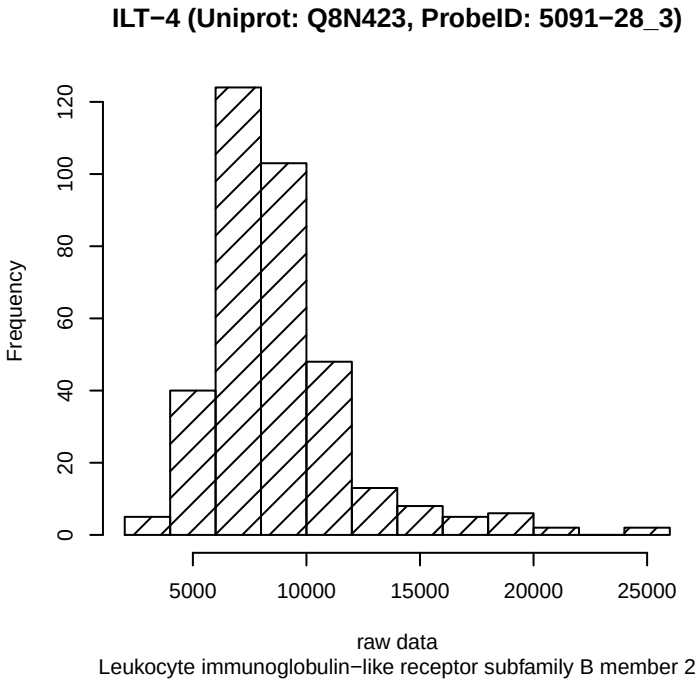

Tenascin (Uniprot: P24821, ProbeID: 4155−3_2)
raw data
10000
30000
50000
C/C (210)
C/A (119)
A/A (23)
rs12342409 (Chr9:117832975)
Locus 47 top sentinel (tags KORA rs45602433), p=0.00025

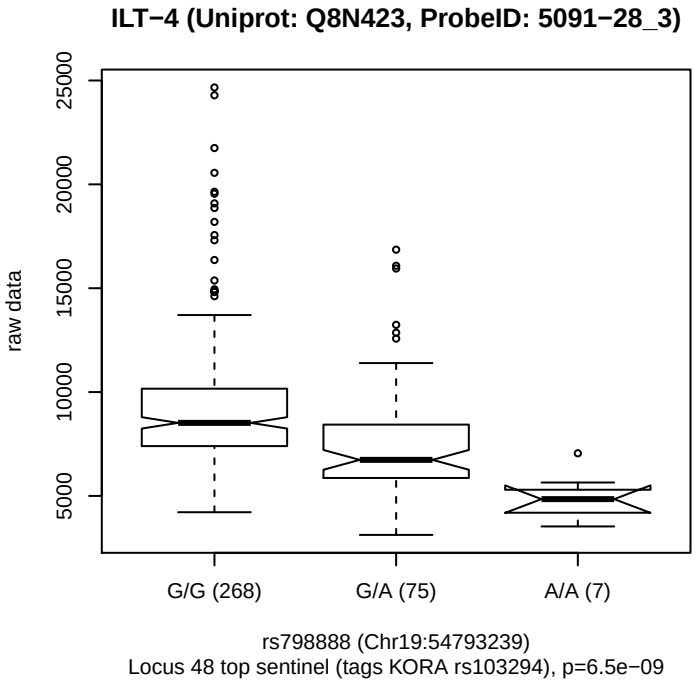

Tenascin (Uniprot: P24821, ProbeID: 4155−3_2)
Frequency
0
20
40
60
80
100
120
12
13
14
15
16
log2−scaled data
Tenascin

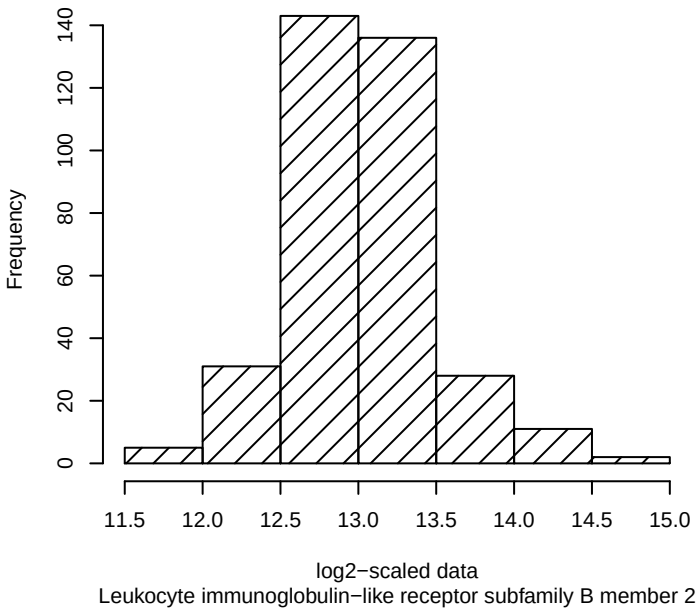

Tenascin (Uniprot: P24821, ProbeID: 4155−3_2)
log2−scaled data
12.5
13.0
13.5
14.0
14.5
15.0
15.5
16.0
C/C (210)
C/A (119)
A/A (23)
rs12342409 (Chr9:117832975)
Locus 47 top sentinel (tags KORA rs45602433), p=7.3e−05, FC=1.1228

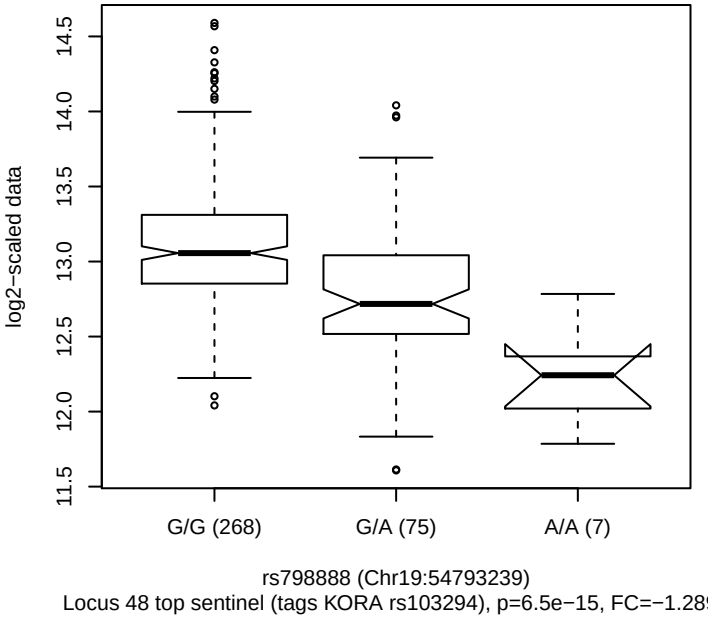

Tenascin (Uniprot: P24821, ProbeID: 4155−3_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Tenascin

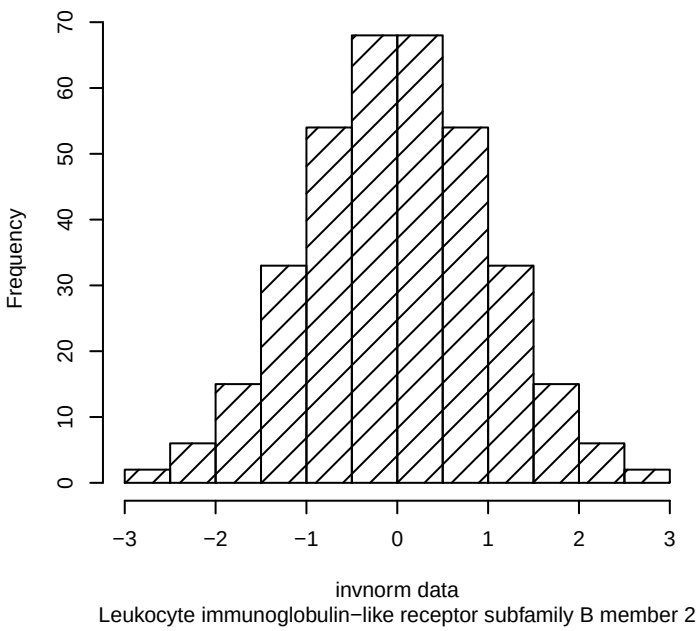

Tenascin (Uniprot: P24821, ProbeID: 4155−3_2)
invnorm data
−2
−1
0
1
2
C/C (210)
C/A (119)
A/A (23)
rs12342409 (Chr9:117832975)
Locus 47 top sentinel (tags KORA rs45602433), p=8.1e−05

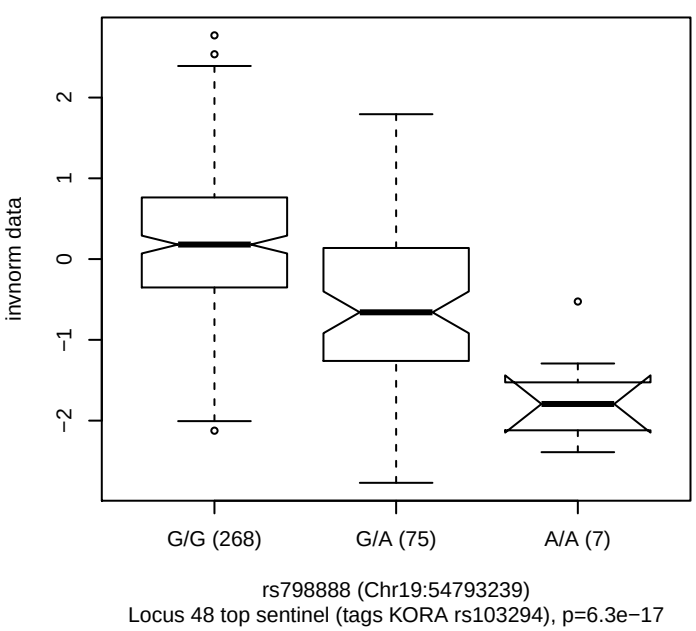

ILT−4 (Uniprot: Q8N423, ProbeID: 5091−28_3)
Frequency
0
20
40
60
80
100
120
5000
10000
15000
20000
25000
raw data
Leukocyte immunoglobulin−like receptor subfamily B member 2

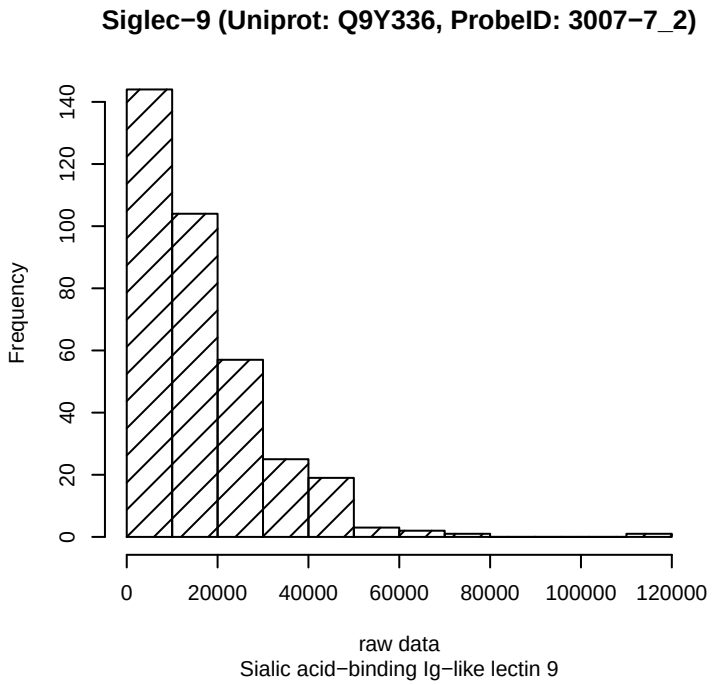

ILT−4 (Uniprot: Q8N423, ProbeID: 5091−28_3)
raw data
5000
10000
15000
20000
25000
G/G (268)
G/A (75)
A/A (7)
rs798888 (Chr19:54793239)
Locus 48 top sentinel (tags KORA rs103294), p=6.5e−09

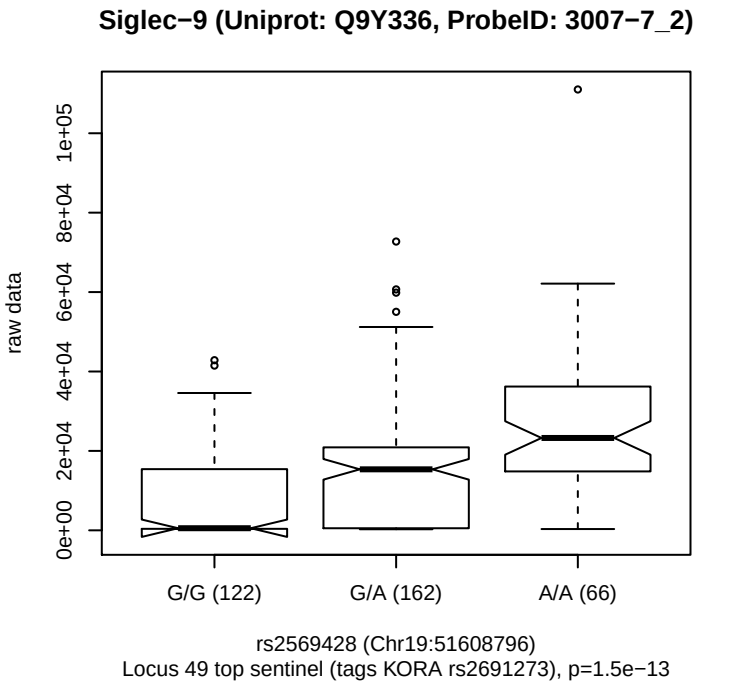

ILT−4 (Uniprot: Q8N423, ProbeID: 5091−28_3)
Frequency
0
20
40
60
80
100
120
140
11.5
12.0
12.5
13.0
13.5
14.0
14.5
15.0
log2−scaled data
Leukocyte immunoglobulin−like receptor subfamily B member 2

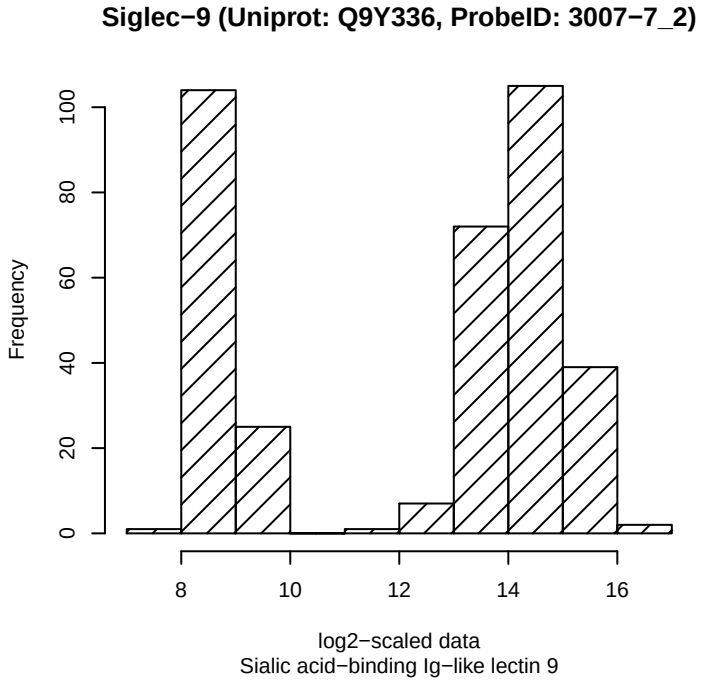

ILT−4 (Uniprot: Q8N423, ProbeID: 5091−28_3)
log2−scaled data
11.5
12.0
12.5
13.0
13.5
14.0
14.5
G/G (268)
G/A (75)
A/A (7)
rs798888 (Chr19:54793239)
Locus 48 top sentinel (tags KORA rs103294), p=6.5e−15, FC=−1.2895

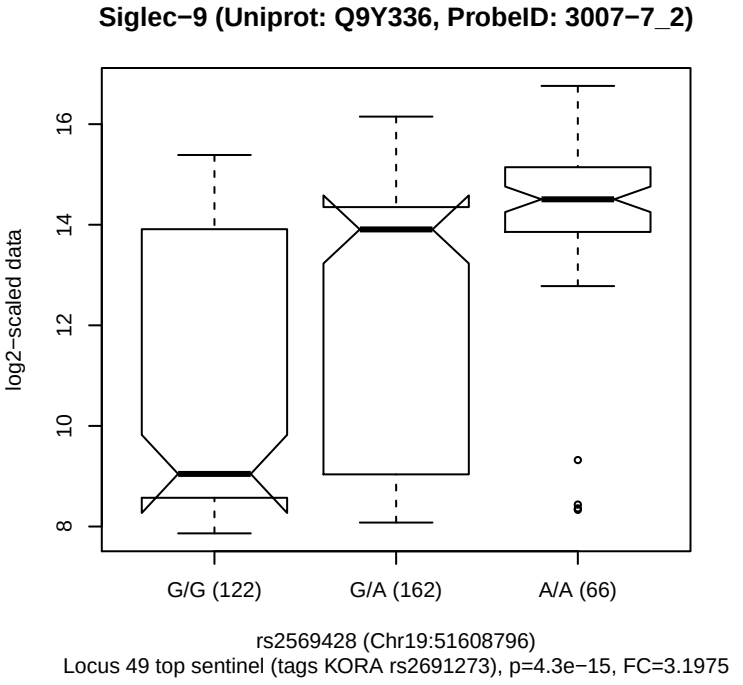

ILT−4 (Uniprot: Q8N423, ProbeID: 5091−28_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Leukocya immunoglobulin−like receptor subfamily B member 2

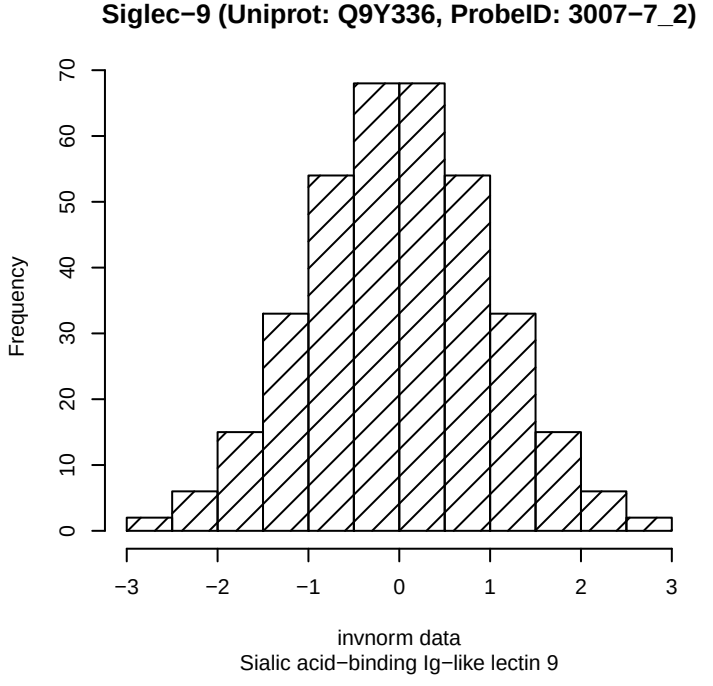

ILT−4 (Uniprot: Q8N423, ProbeID: 5091−28_3)
invnorm data
−2
−1
0
1
2
G/G (268)
G/A (75)
A/A (7)
rs798888 (Chr19:54793239)
Locus 48 top sentinel (tags KORA rs103294), p=6.3e−17

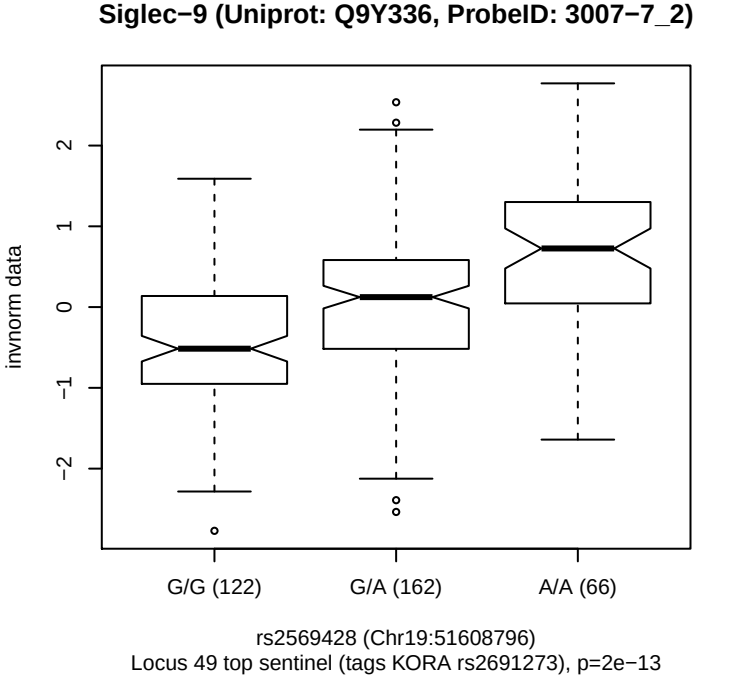

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
Frequency
0
20
40
60
80
100
120
140
0
20000
40000
60000
80000
100000
120000
raw data
Sialic acid−binding Ig−like lectin 9

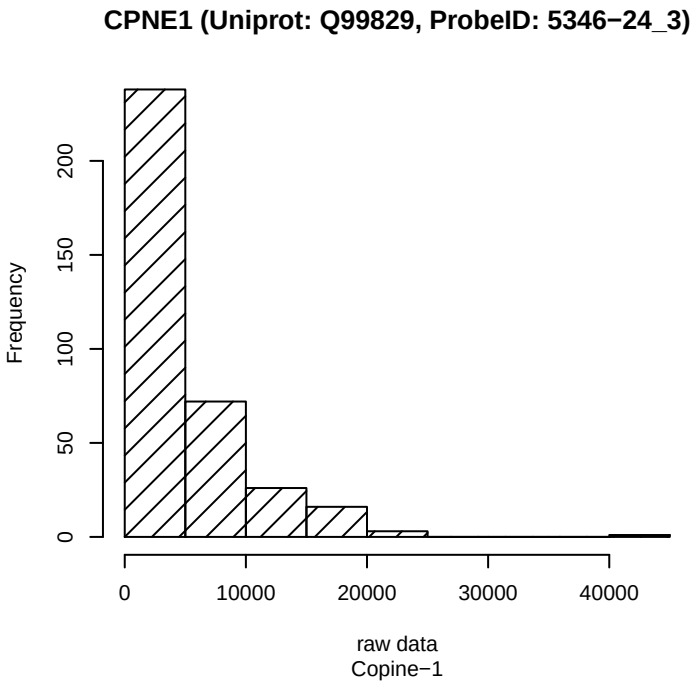

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
raw data
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
G/G (122)
G/A (162)
A/A (66)
rs2569428 (Chr19:51608796)
Locus 49 top sentinel (tags KORA rs2691273), p=1.5e−13

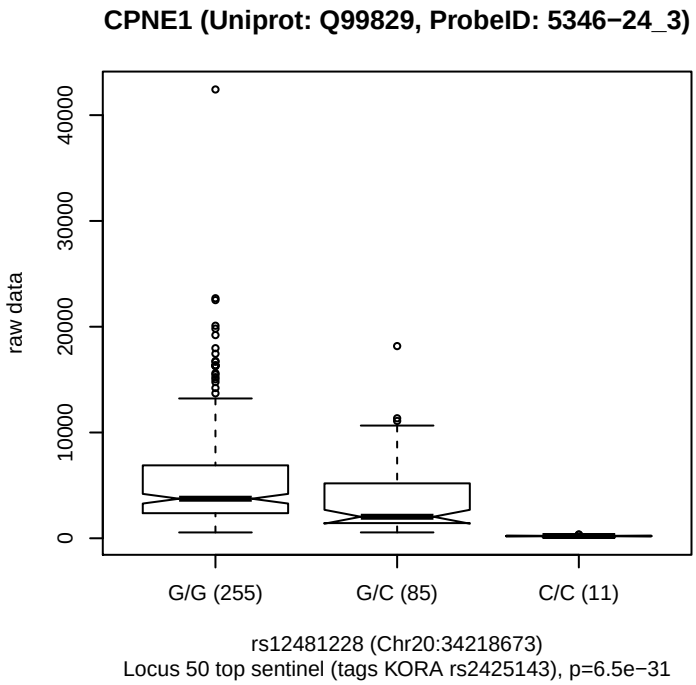

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
Frequency
0
20
40
60
80
100
8
10
12
14
16
log2−scaled data
Sialic acid−binding Ig−like lectin 9

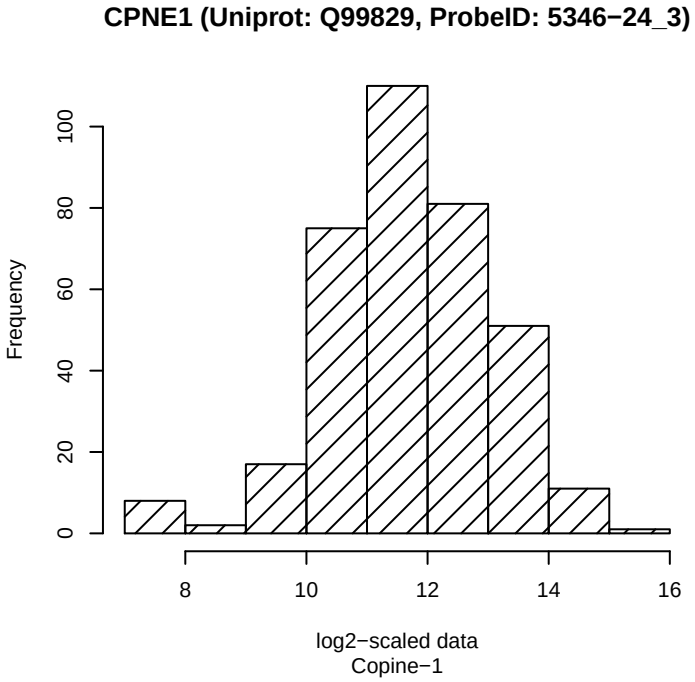

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
log2−scaled data
8
10
12
14
16
G/G (122)
G/A (162)
A/A (66)
rs2569428 (Chr19:51608796)
Locus 49 top sentinel (tags KORA rs2691273), p=4.3e−15, FC=3.1975

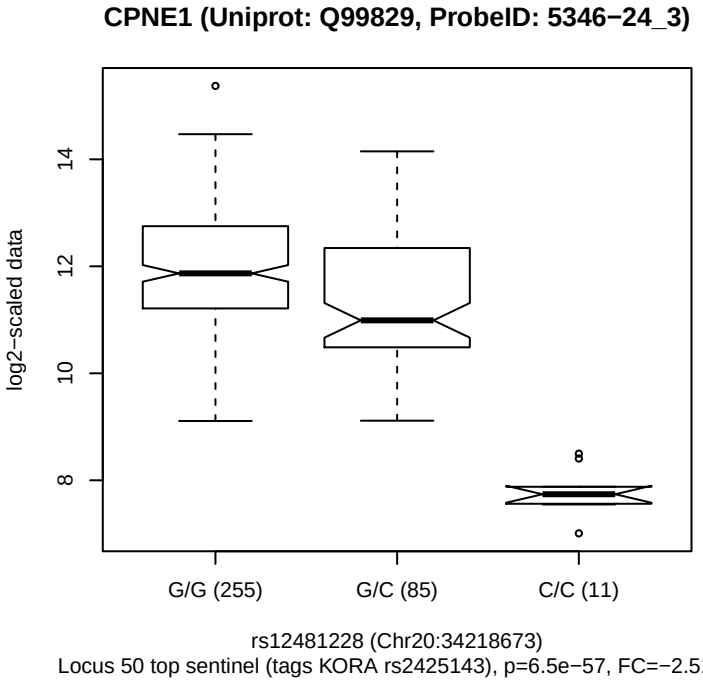

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Sialic acid−binding Ig−like lectin 9

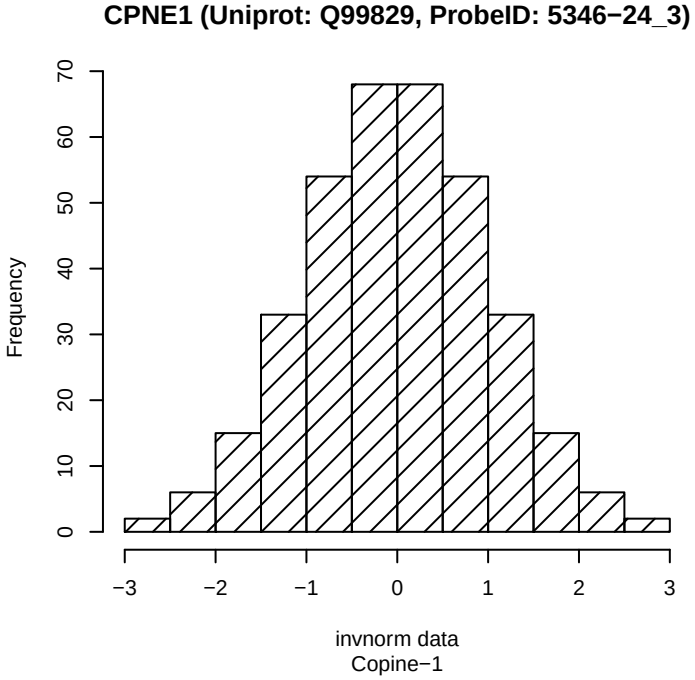

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
invnorm data
−2
−1
0
1
2
G/G (122)
G/A (162)
A/A (66)
rs2569428 (Chr19:51608796)
Locus 49 top sentinel (tags KORA rs2691273), p=2e−13

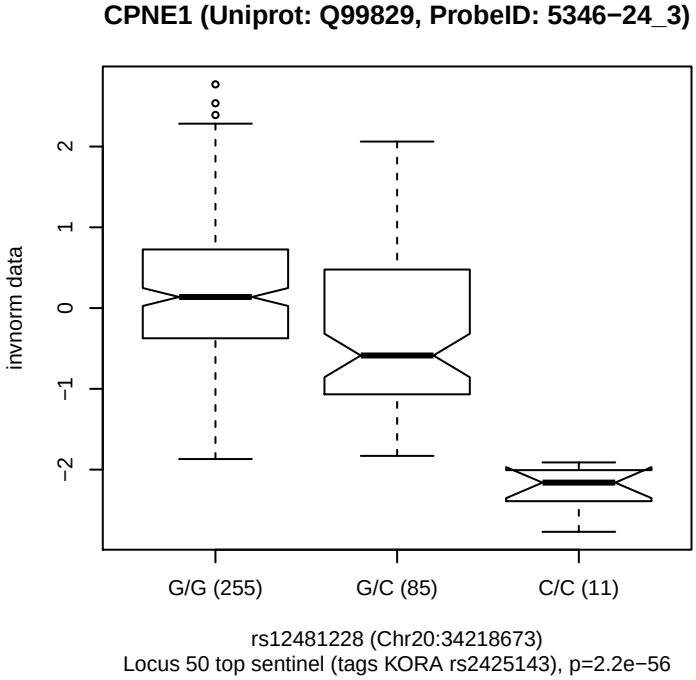

CPNE1 (Uniprot: Q99829, ProbeID: 5346−24_3)
Frequency
0
50
100
150
200
0
10000
20000
30000
40000
raw data
Copine−1


CPNE1 (Uniprot: Q99829, ProbeID: 5346−24_3)
raw data
0
10000
20000
30000
40000
G/G (255)
G/C (85)
C/C (11)
rs12481228 (Chr20:34218673)
Locus 50 top sentinel (tags KORA rs2425143), p=6.5e−31

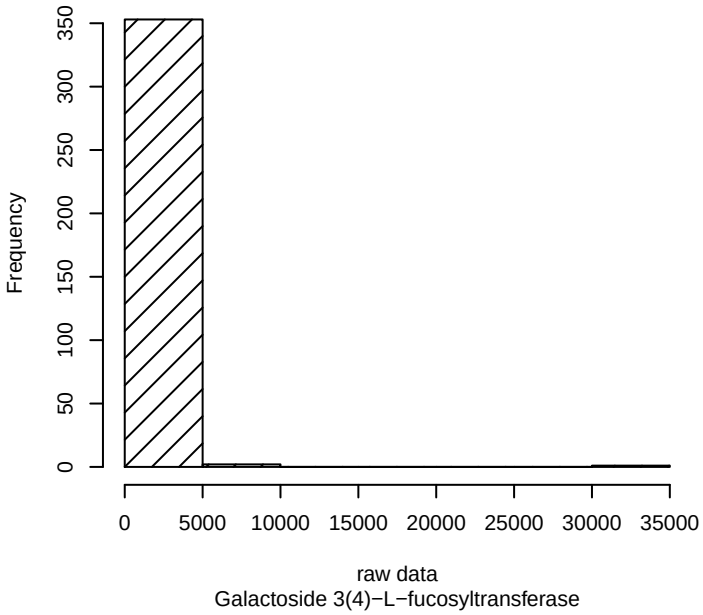

CPNE1 (Uniprot: Q99829, ProbeID: 5346−24_3)
Frequency
0
20
40
60
80
100
8
10
12
14
16
log2−scaled data
Copine−1


CPNE1 (Uniprot: Q99829, ProbeID: 5346−24_3)
log2−scaled data
8
10
12
14
G/G (255)
G/C (85)
C/C (11)
rs12481228 (Chr20:34218673)
Locus 50 top sentinel (tags KORA rs2425143), p=6.5e−57, FC=−2.5188

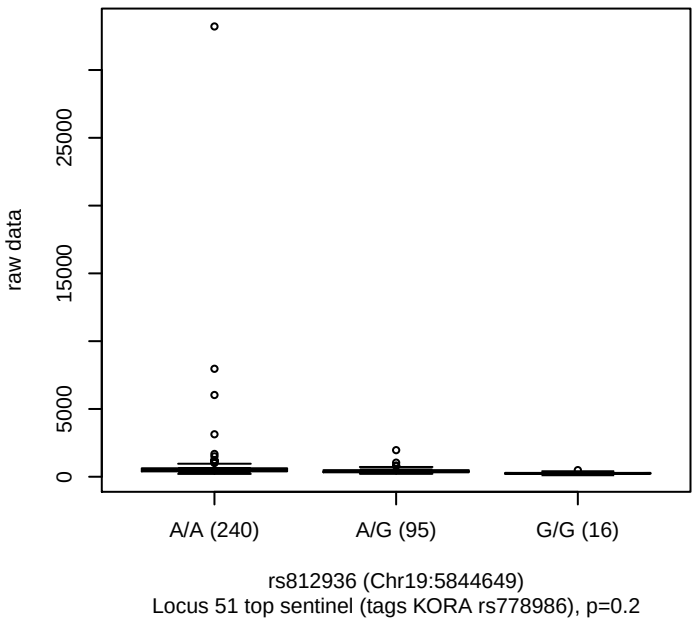

CPNE1 (Uniprot: Q99829, ProbeID: 5346−24_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Copine−1


CPNE1 (Uniprot: Q99829, ProbeID: 5346−24_3)
invnorm data
−2
−1
0
1
2
G/G (255)
G/C (85)
C/C (11)
rs12481228 (Chr20:34218673)
Locus 50 top sentinel (tags KORA rs2425143), p=2.2e−56

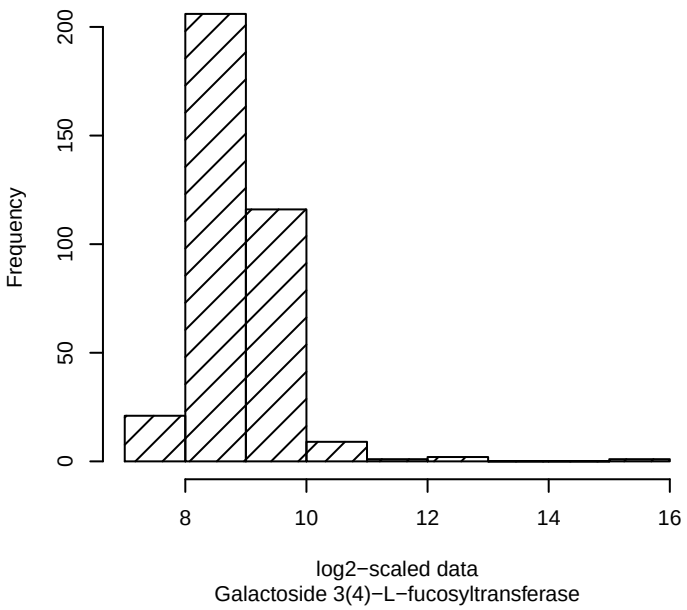
Fucosyltransferase 3 (Uniprot: P21217, ProbeID: 4548−4_



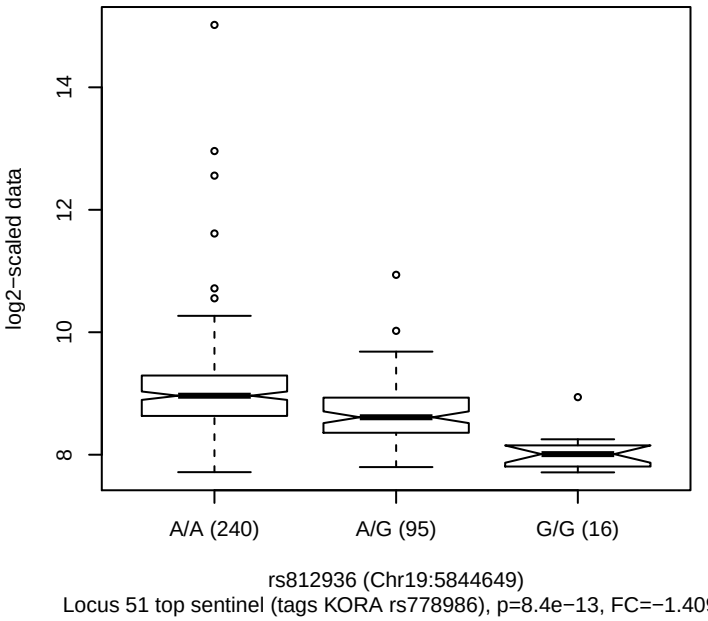
Fucosyltransferase 3 (Uniprot: P21217, ProbeID: 4548−4_



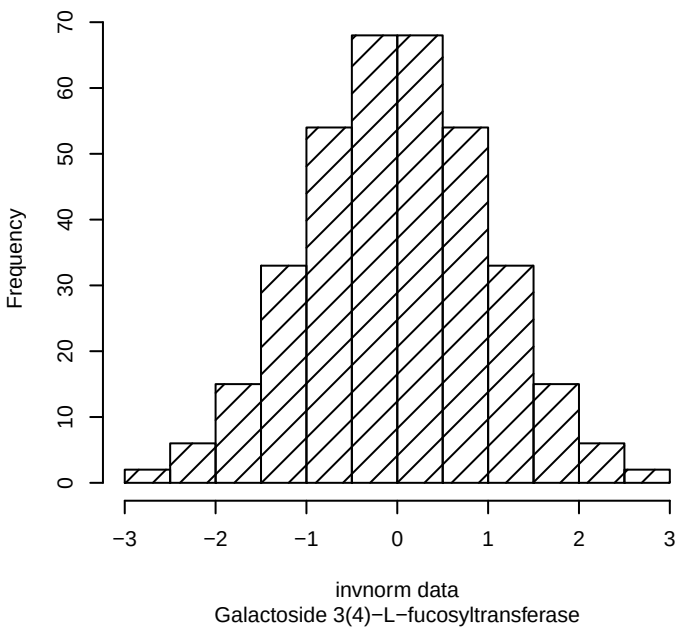
Fucosyltransferase 3 (Uniprot: P21217, ProbeID: 4548−4_



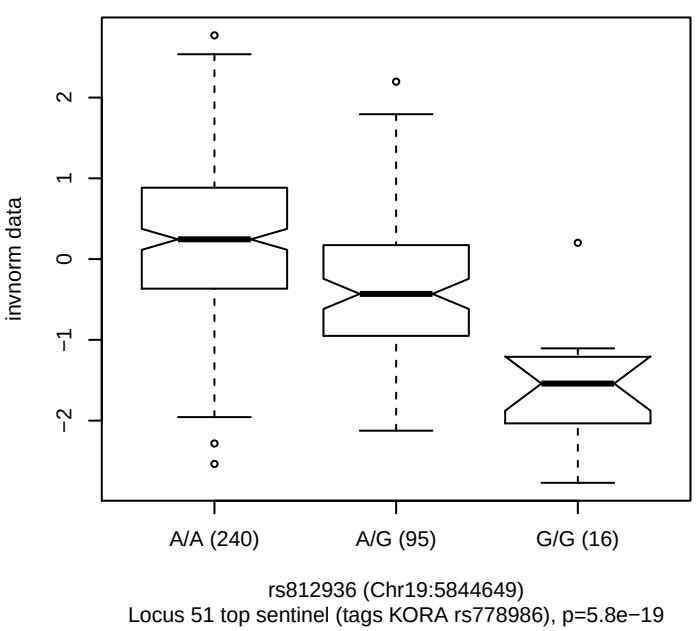
Fucosyltransferase 3 (Uniprot: P21217, ProbeID: 4548−4_

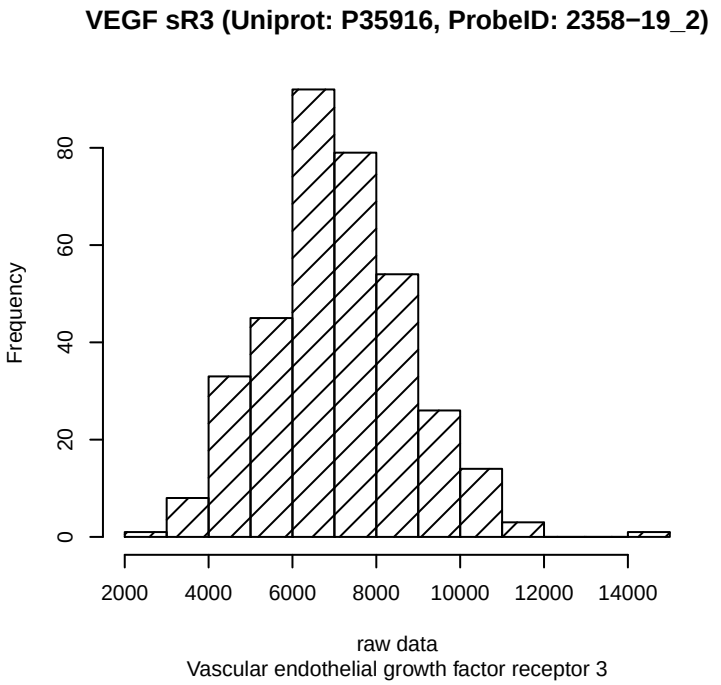


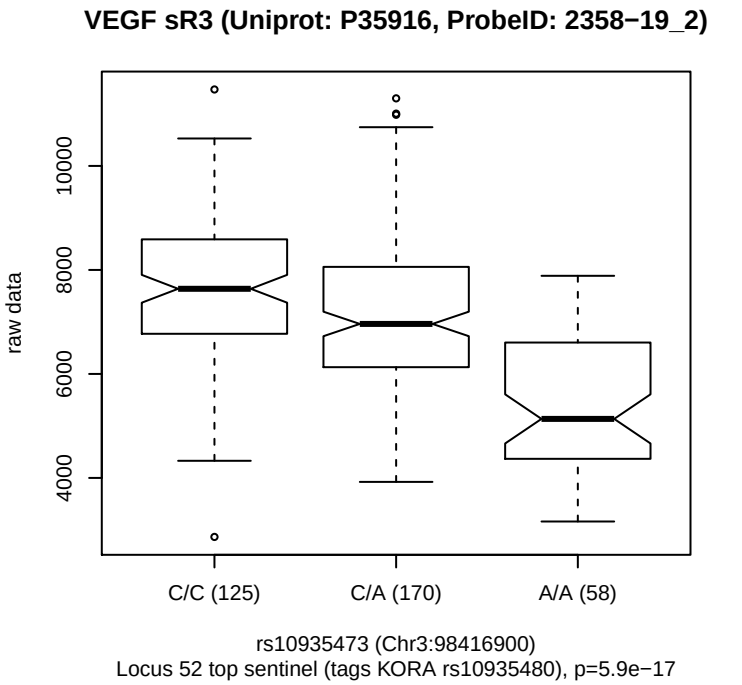
Fucosyltransferase 3 (Uniprot: P21217, ProbeID: 4548−4_

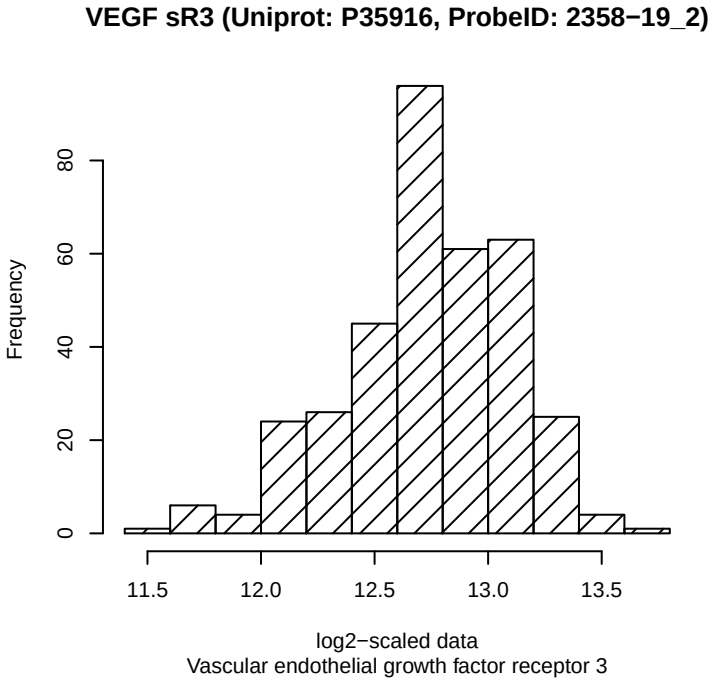


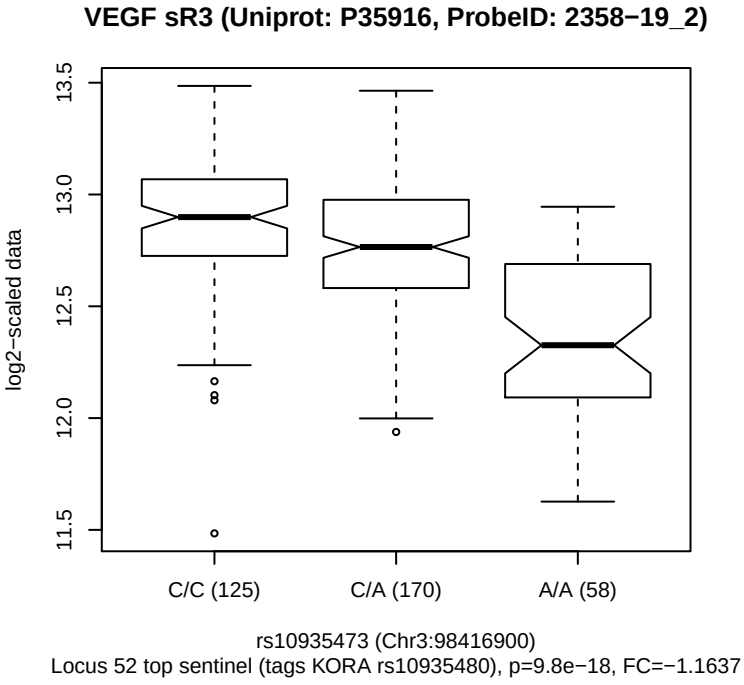
Fucosyltransferase 3 (Uniprot: P21217, ProbeID: 4548−4_

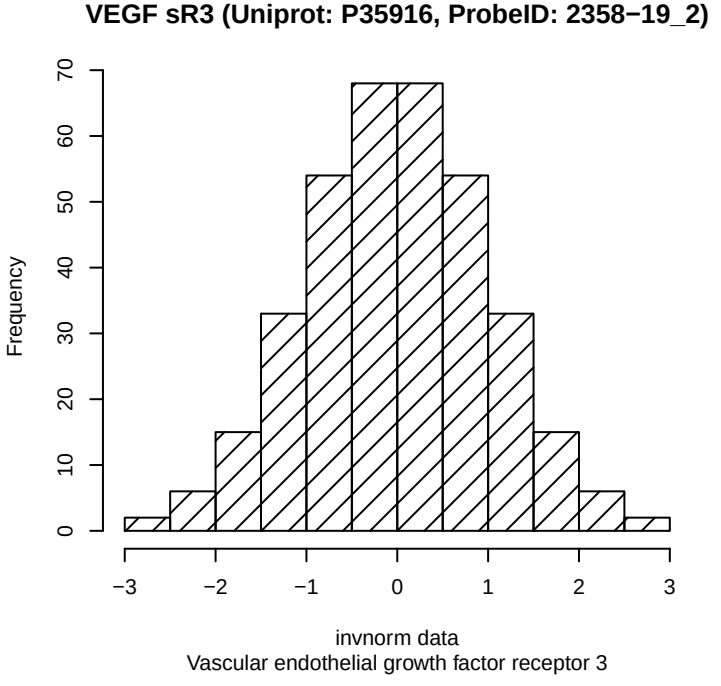


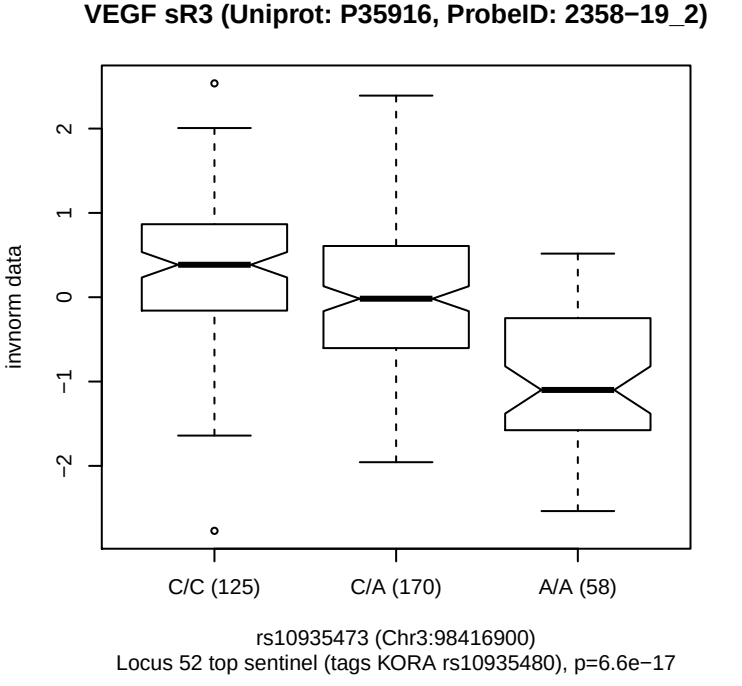

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
Frequency
0
20
40
60
80
2000
4000
6000
8000
10000
12000
14000
raw data
Vascular endothelial growth factor receptor 3

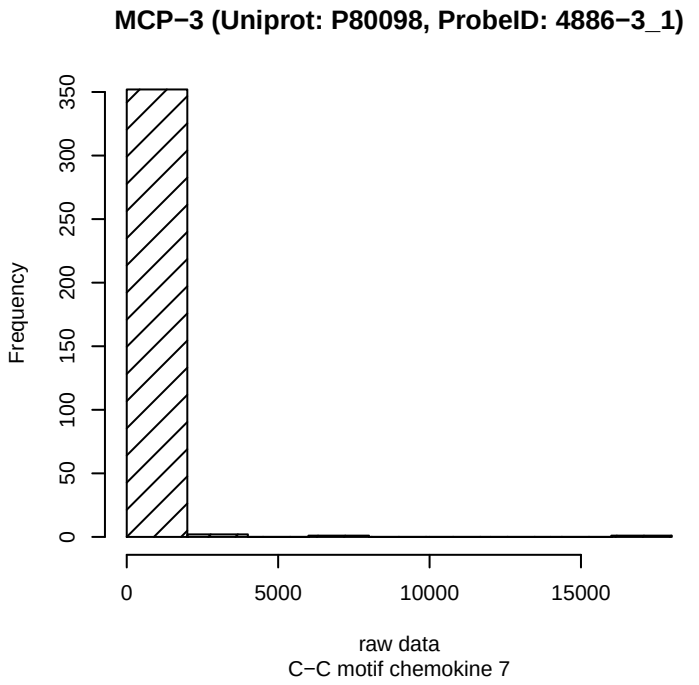

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
raw data
4000
6000
8000
10000
C/C (125)
C/A (170)
A/A (58)
rs10935473 (Chr3:98416900)
Locus 52 top sentinel (tags KORA rs10935480), p=5.9e−17

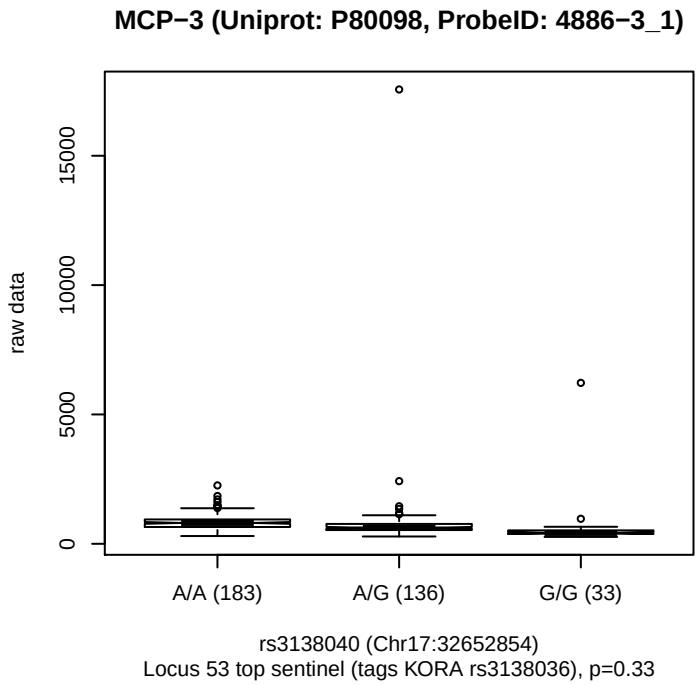

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
Frequency
0
20
40
60
80
11.5
12.0
12.5
13.0
13.5
log2−scaled data
Vascular endothelial growth factor receptor 3

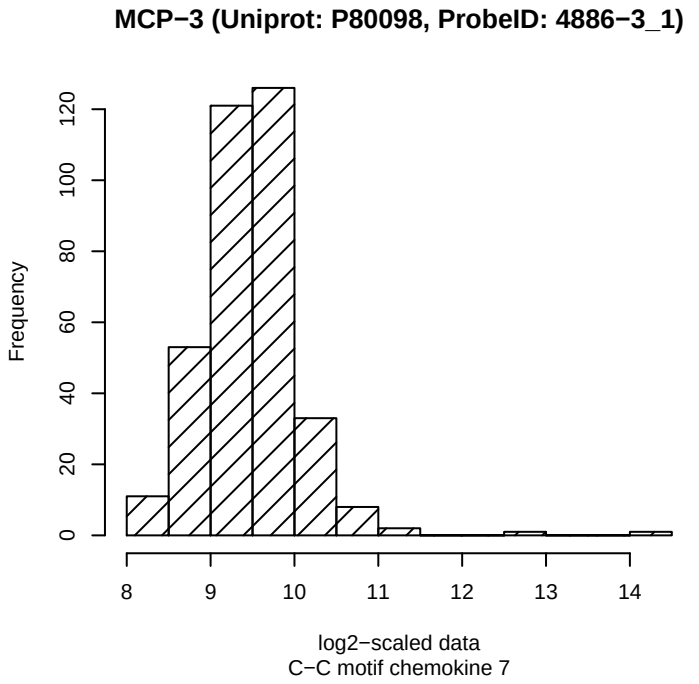

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
log2−scaled data
11.5
12.0
12.5
13.0
13.5
C/C (125)
C/A (170)
A/A (58)
rs10935473 (Chr3:98416900)
Locus 52 top sentinel (tags KORA rs10935480), p=9.8e−18, FC=−1.1637

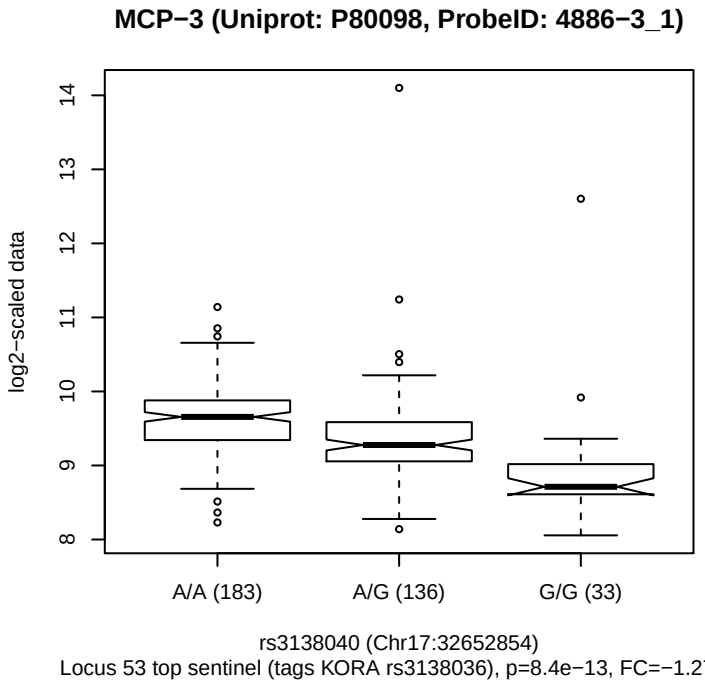

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Vascular endothelial growth factor receptor 3

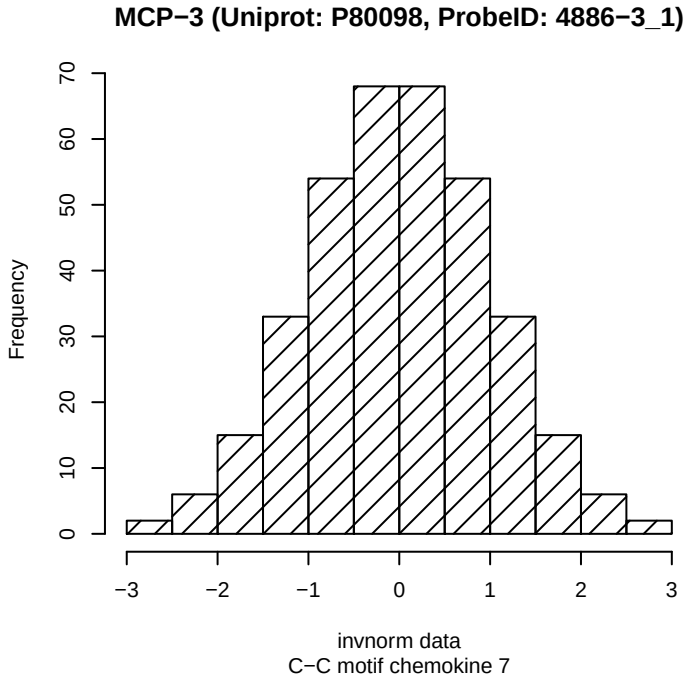

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
invnorm data
−2
−1
0
1
2
C/C (125)
C/A (170)
A/A (58)
rs10935473 (Chr3:98416900)
Locus 52 top sentinel (tags KORA rs10935480), p=6.6e−17

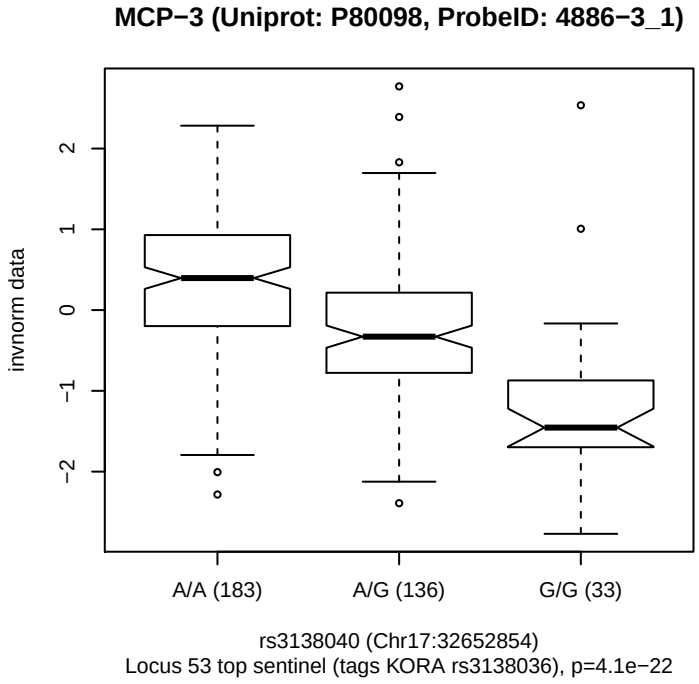

MCP−3 (Uniprot: P80098, ProbeID: 4886−3_1)
Frequency
0
50
100
150
200
250
300
350
0
5000
10000
15000
raw data
C−C motif chemokine 7

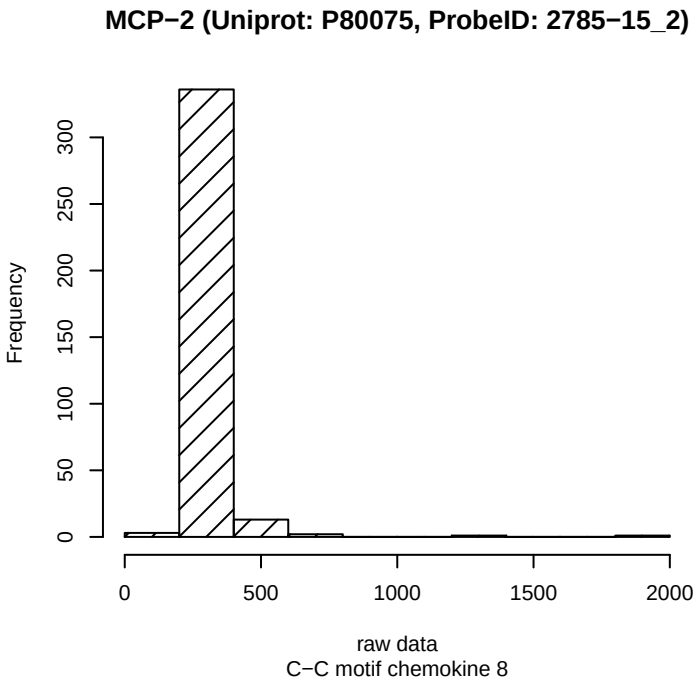

MCP−3 (Uniprot: P80098, ProbeID: 4886−3_1)
raw data
0
5000
10000
15000
A/A (183)
A/G (136)
G/G (33)
rs3138040 (Chr17:32652854)
Locus 53 top sentinel (tags KORA rs3138036), p=0.33

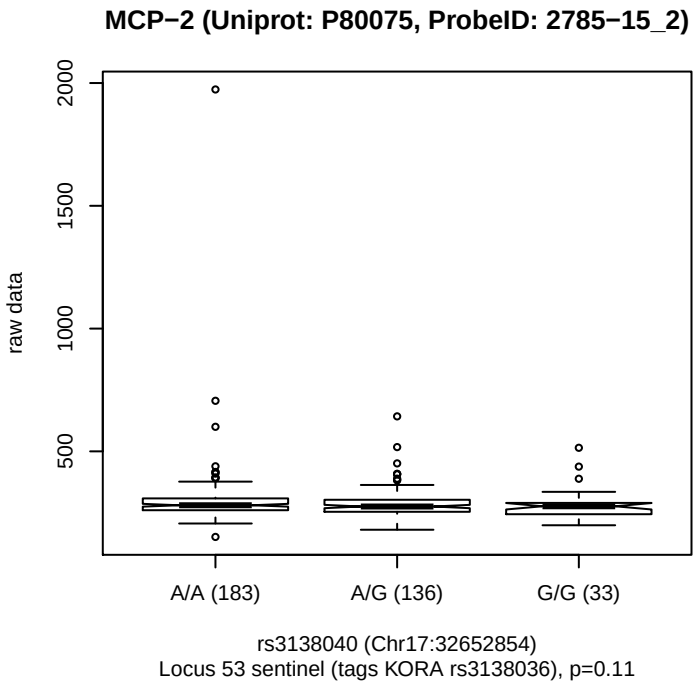

MCP−3 (Uniprot: P80098, ProbeID: 4886−3_1)
Frequency
0
20
40
60
80
100
120
8
9
10
11
12
13
14
log2−scaled data
C−C motif chemokine 7

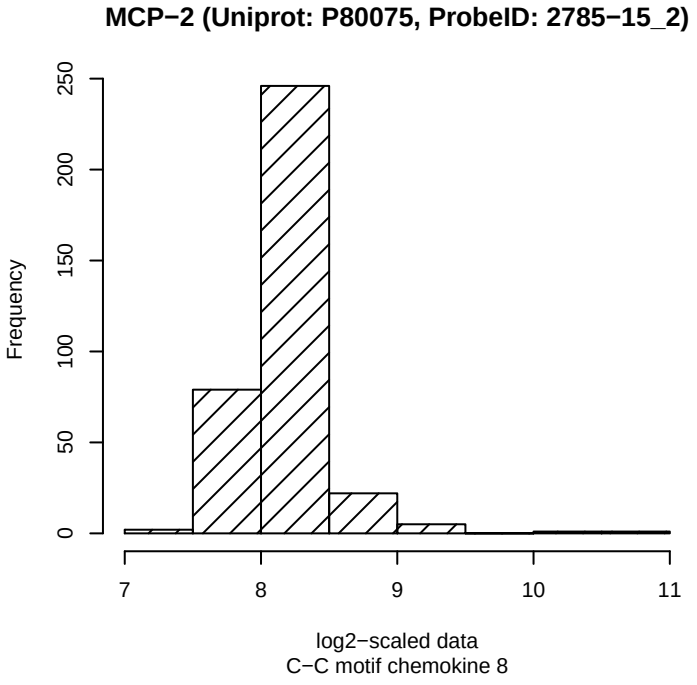

MCP−3 (Uniprot: P80098, ProbeID: 4886−3_1)
log2−scaled data
8
9
10
11
12
13
14
A/A (183)
A/G (136)
G/G (33)
rs3138040 (Chr17:32652854)
Locus 53 top sentinel (tags KORA rs3138036), p=8.4e−13, FC=−1.2728

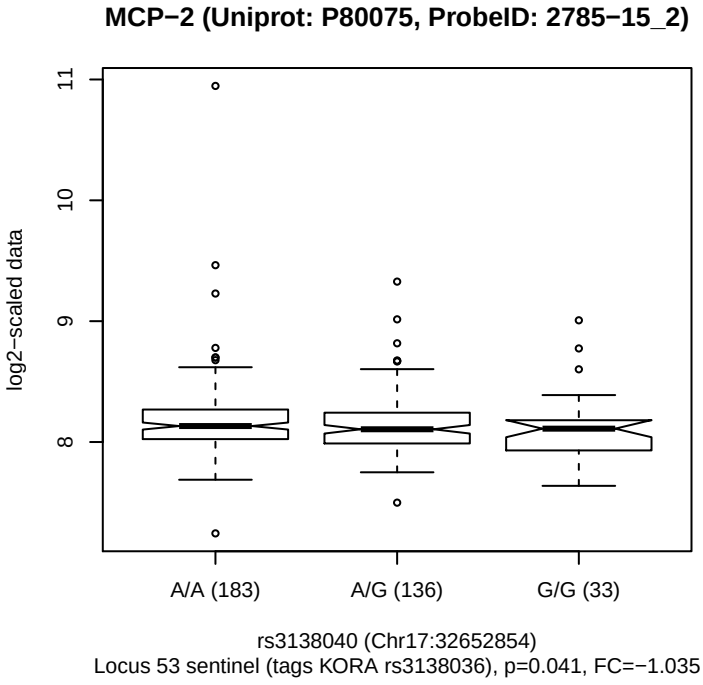

MCP−3 (Uniprot: P80098, ProbeID: 4886−3_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 7

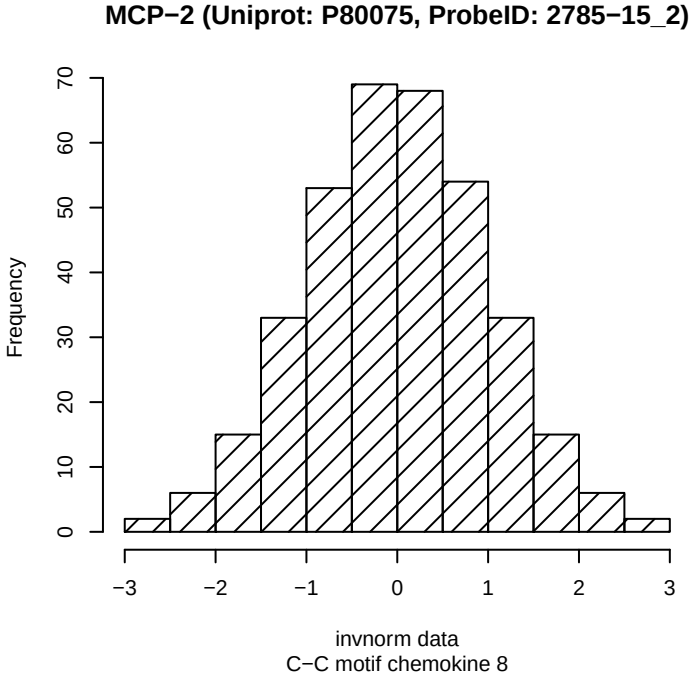

MCP−3 (Uniprot: P80098, ProbeID: 4886−3_1)
invnorm data
−2
−1
0
1
2
A/A (183)
A/G (136)
G/G (33)
rs3138040 (Chr17:32652854)
Locus 53 top sentinel (tags KORA rs3138036), p=4.1e−22

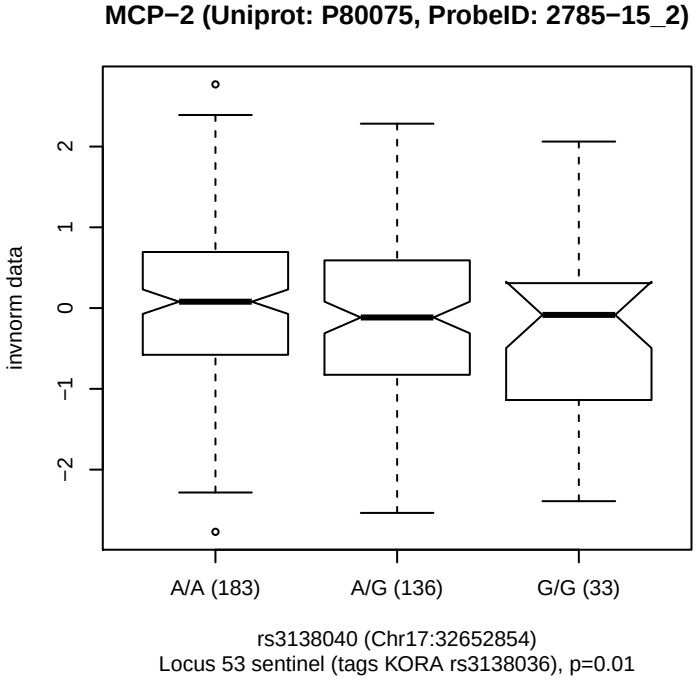

MCP−2 (Uniprot: P80075, ProbeID: 2785−15_2)
Frequency
0
50
100
150
200
250
300
0
500
1000
1500
2000
raw data
C−C motif chemokine 8

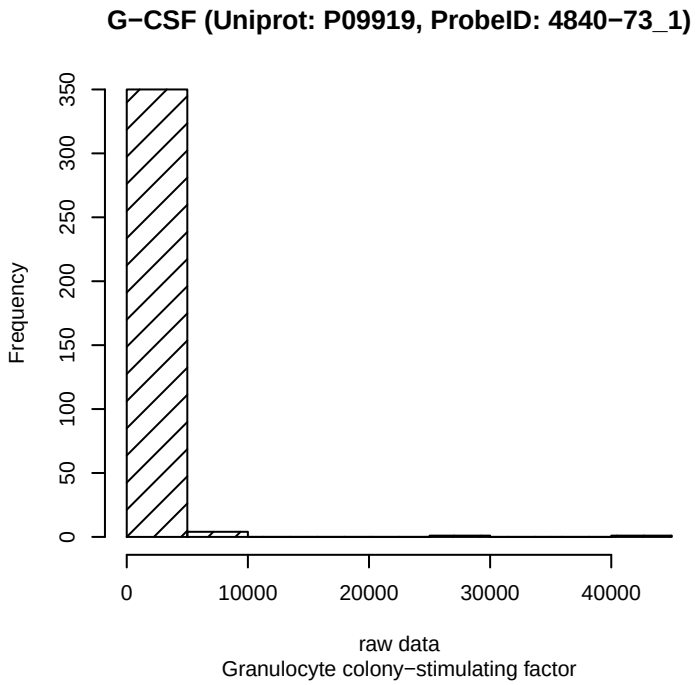

MCP−2 (Uniprot: P80075, ProbeID: 2785−15_2)
raw data
500
1000
1500
2000
A/A (183)
A/G (136)
G/G (33)
rs3138040 (Chr17:32652854)
Locus 53 sentinel (tags KORA rs3138036), p=0.11

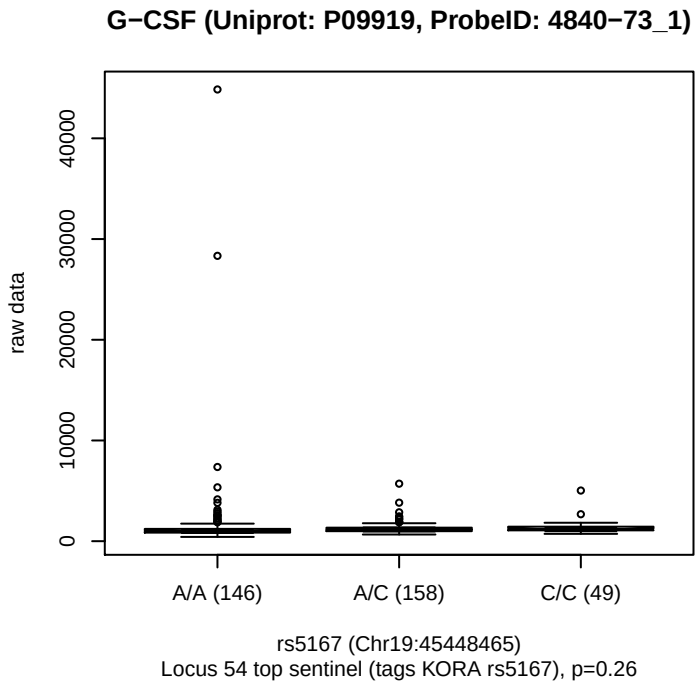

MCP−2 (Uniprot: P80075, ProbeID: 2785−15_2)
Frequency
0
50
100
150
200
250
7
8
9
10
11
log2−scaled data
C−C motif chemokine 8

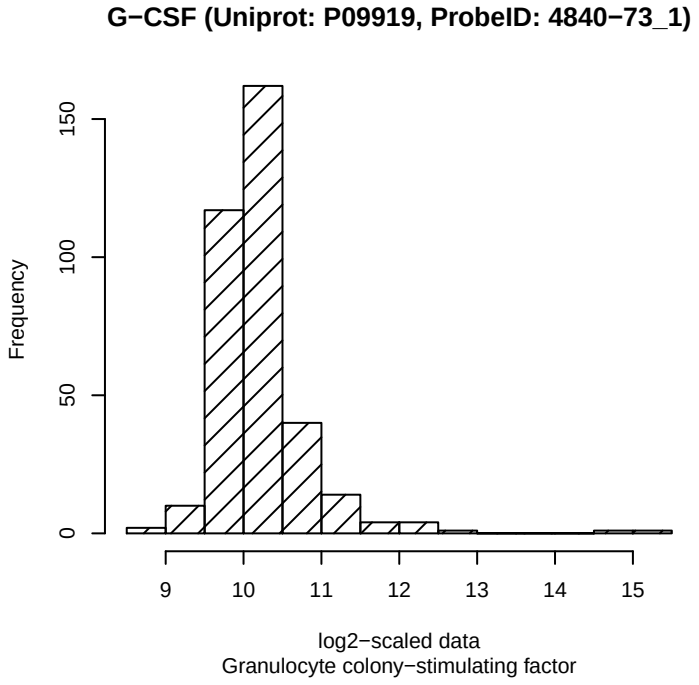

MCP−2 (Uniprot: P80075, ProbeID: 2785−15_2)
log2−scaled data
8
9
10
11
A/A (183)
A/G (136)
G/G (33)
rs3138040 (Chr17:32652854)
Locus 53 sentinel (tags KORA rs3138036), p=0.041, FC=−1.035

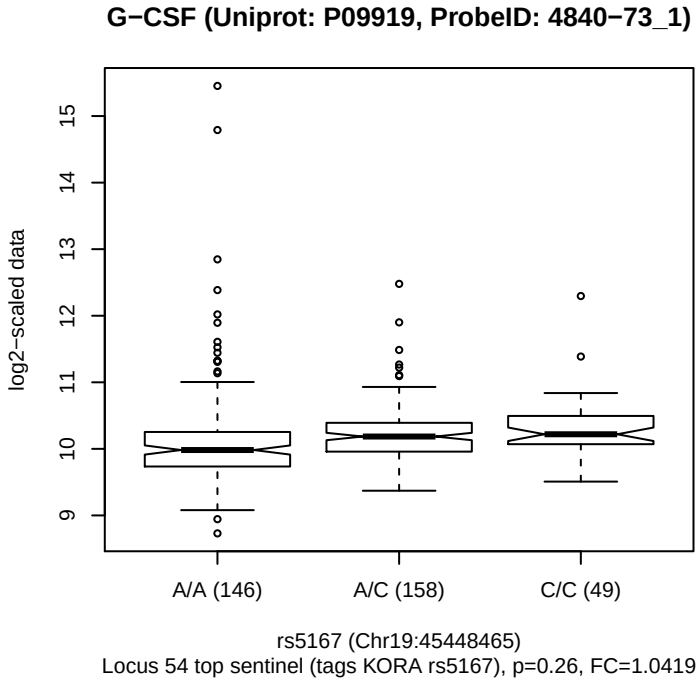

MCP−2 (Uniprot: P80075, ProbeID: 2785−15_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 8

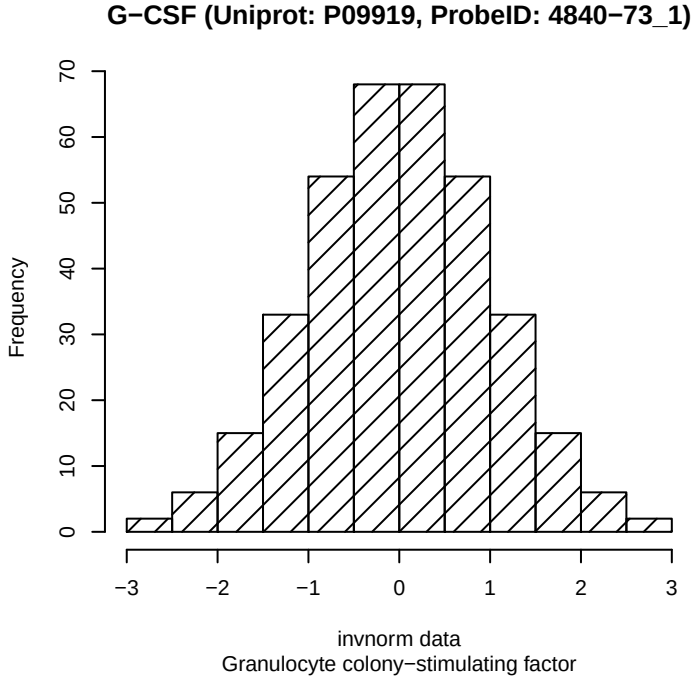

MCP−2 (Uniprot: P80075, ProbeID: 2785−15_2)
invnorm data
−2
−1
0
1
2
A/A (183)
A/G (136)
G/G (33)
rs3138040 (Chr17:32652854)
Locus 53 sentinel (tags KORA rs3138036), p=0.01

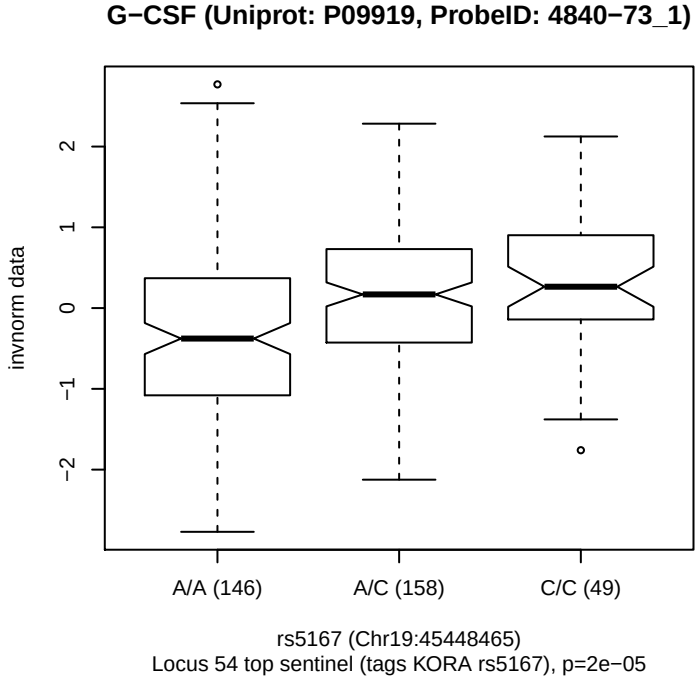

G−CSF (Uniprot: P09919, ProbeID: 4840−73_1)
Frequency
raw data
Granulocyte colony−stimulating factor

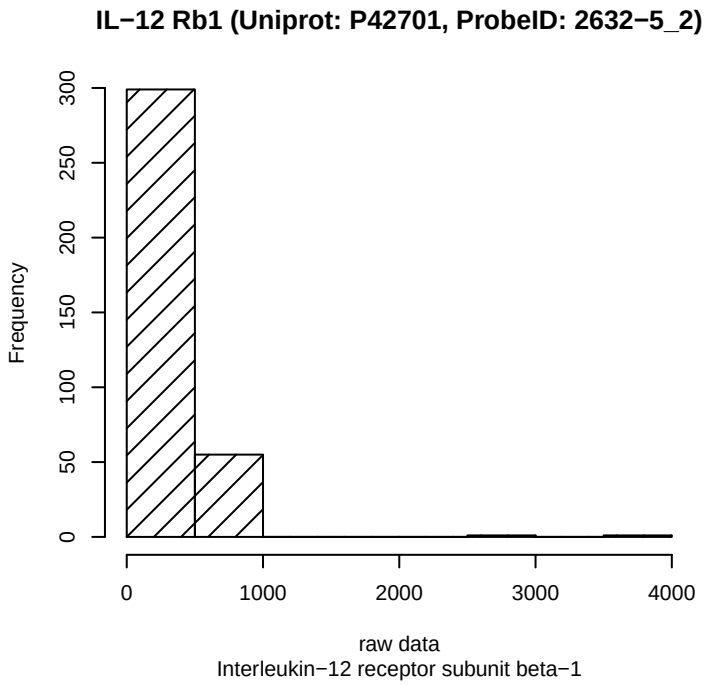

G−CSF (Uniprot: P09919, ProbeID: 4840−73_1)
raw data
A/A (146)
A/C (158)
C/C (49)
rs5167 (Chr19:45448465)
Locus 54 top sentinel (tags KORA rs5167), p=0.26

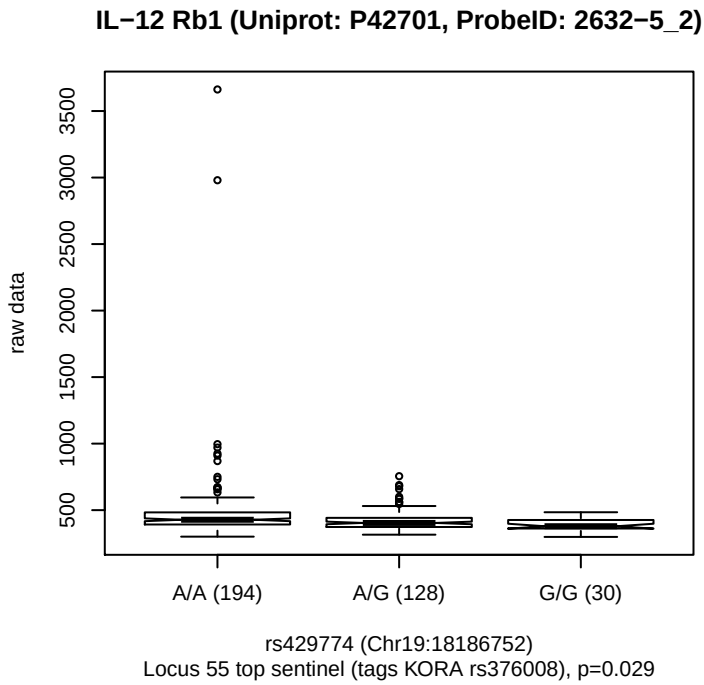

G−CSF (Uniprot: P09919, ProbeID: 4840−73_1)
Frequency
log2−scaled data
Granulocyte colony−stimulating factor

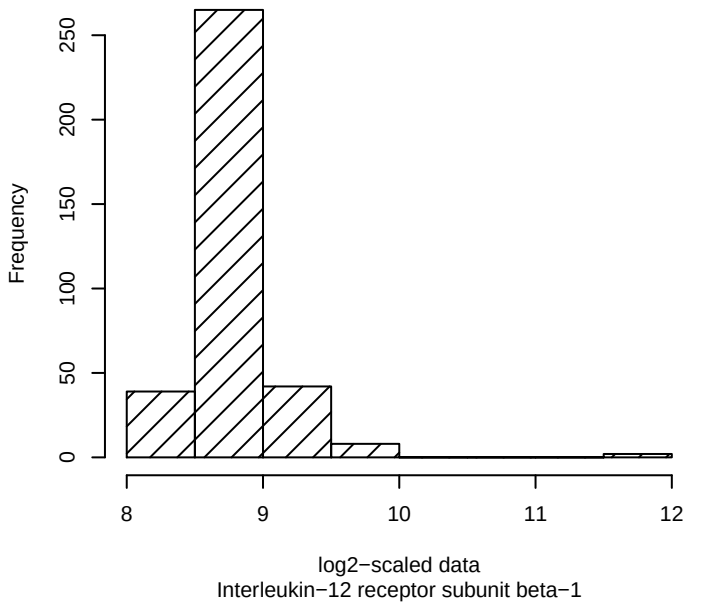

G−CSF (Uniprot: P09919, ProbeID: 4840−73_1)
log2−scaled data
A/A (146)
A/C (158)
C/C (49)
rs5167 (Chr19:45448465)
Locus 54 top sentinel (tags KORA rs5167), p=0.26, FC=1.0419

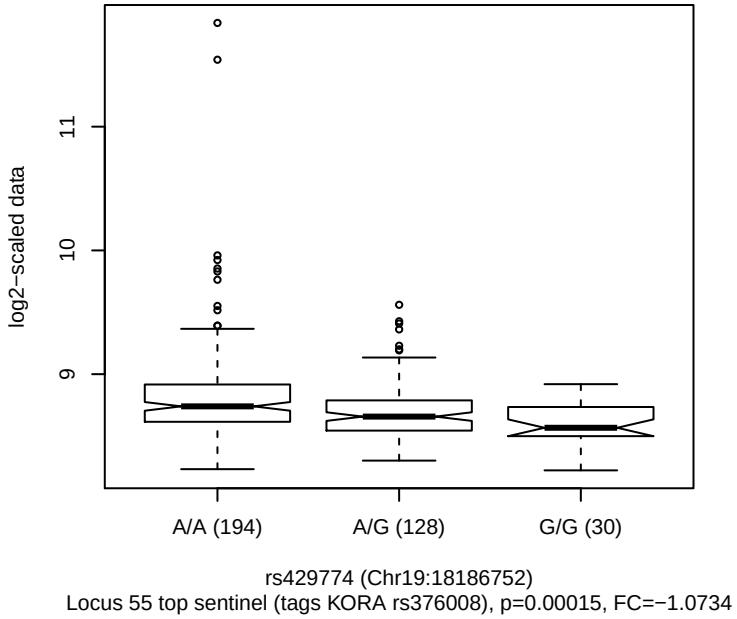

G−CSF (Uniprot: P09919, ProbeID: 4840−73_1)
Frequency
invnorm data
Granulocyte colony−stimulating factor

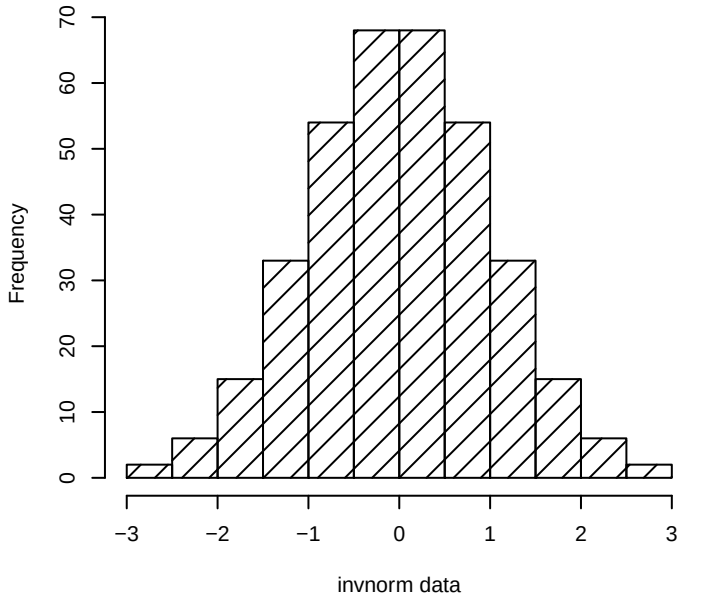

G−CSF (Uniprot: P09919, ProbeID: 4840−73_1)
invnorm data
A/A (146)
A/C (158)
C/C (49)
rs5167 (Chr19:45448465)
Locus 54 top sentinel (tags KORA rs5167), p=2e−05

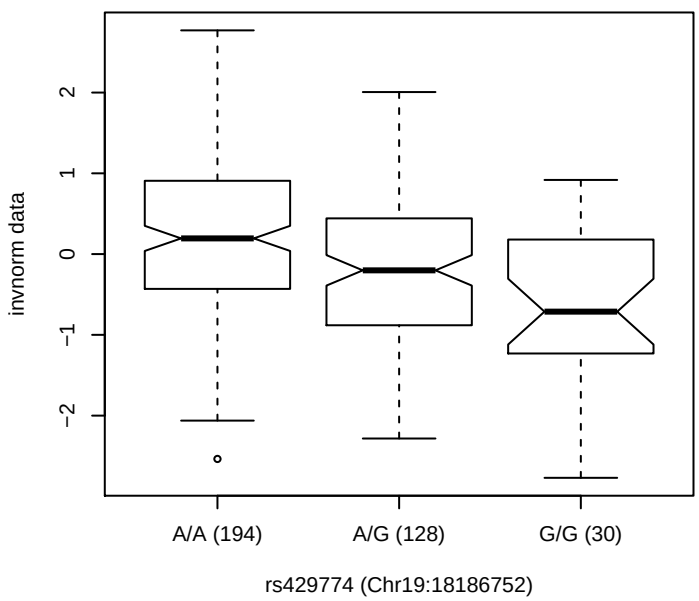

IL−12 Rb1 (Uniprot: P42701, ProbeID: 2632−5_2)
Frequency
0
50
100
150
200
250
300
0
1000
2000
3000
4000
raw data
Interleukin−12 receptor subunit beta−1

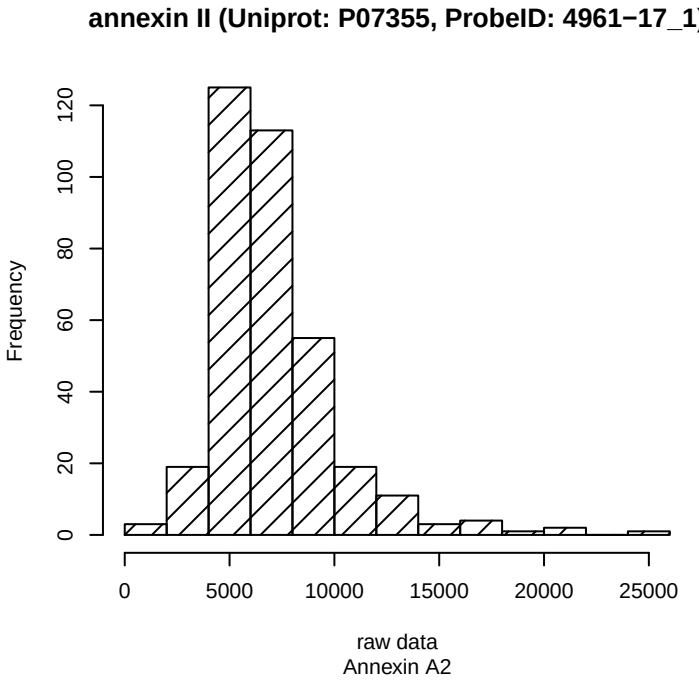

IL−12 Rb1 (Uniprot: P42701, ProbeID: 2632−5_2)
raw data
500
1000
1500
2000
2500
3000
3500
A/A (194)
A/G (128)
G/G (30)
rs429774 (Chr19:18186752)
Locus 55 top sentinel (tags KORA rs376008), p=0.029

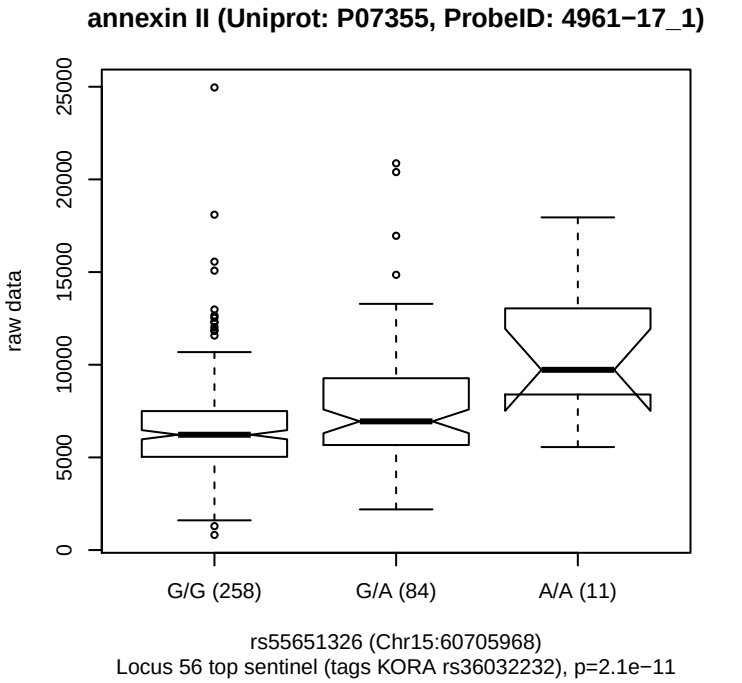

IL−12 Rb1 (Uniprot: P42701, ProbeID: 2632−5_2)
Frequency
0
50
100
150
200
250
8
9
10
11
12
log2−scaled data
Interleukin−12 receptor subunit beta−1

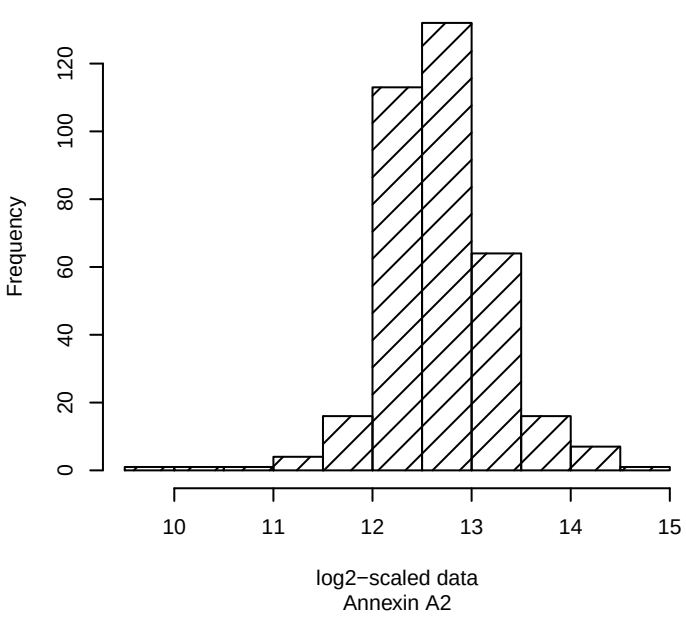

IL−12 Rb1 (Uniprot: P42701, ProbeID: 2632−5_2)
log2−scaled data
9
10
11
A/A (194)
A/G (128)
G/G (30)
rs429774 (Chr19:18186752)
Locus 55 top sentinel (tags KORA rs376008), p=0.00015, FC=−1.0734

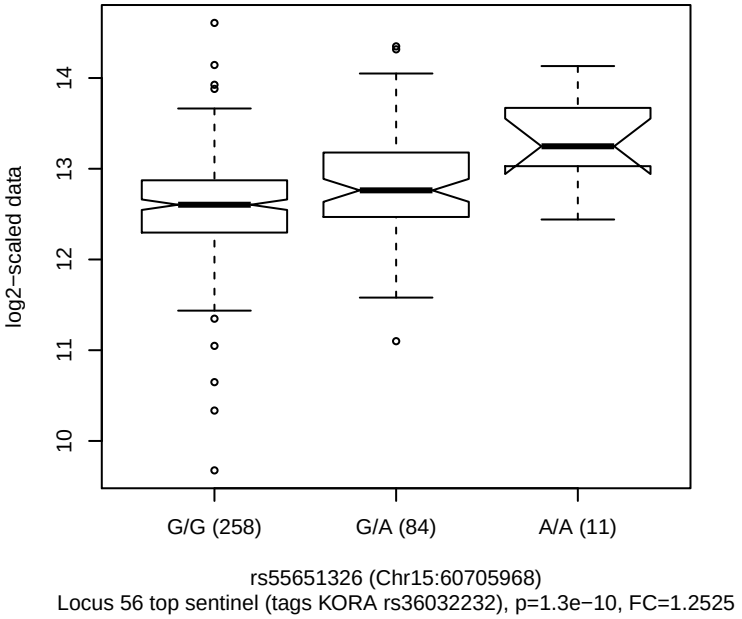

IL−12 Rb1 (Uniprot: P42701, ProbeID: 2632−5_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−12 receptor subunit beta−1

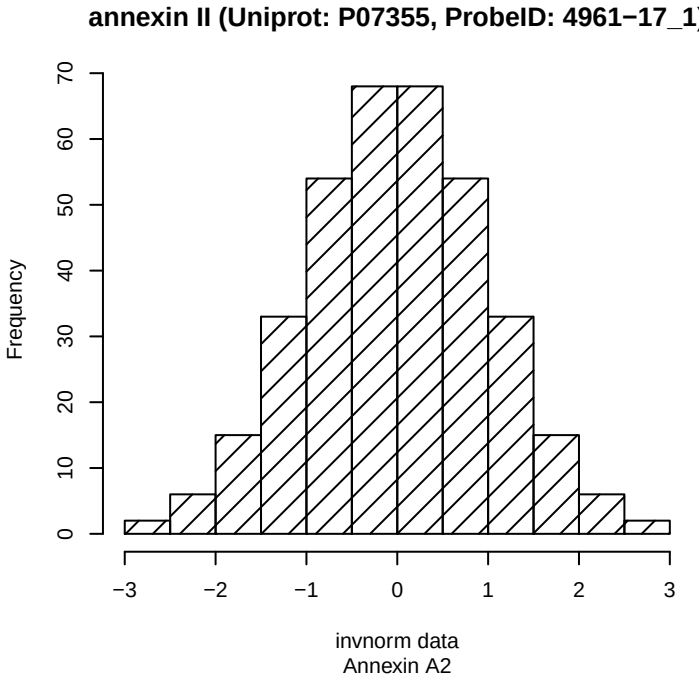

IL−12 Rb1 (Uniprot: P42701, ProbeID: 2632−5_2)
invnorm data
−2
−1
0
1
2
A/A (194)
A/G (128)
G/G (30)
rs429774 (Chr19:18186752)
Locus 55 top sentinel (tags KORA rs376008), p=3.3e−07

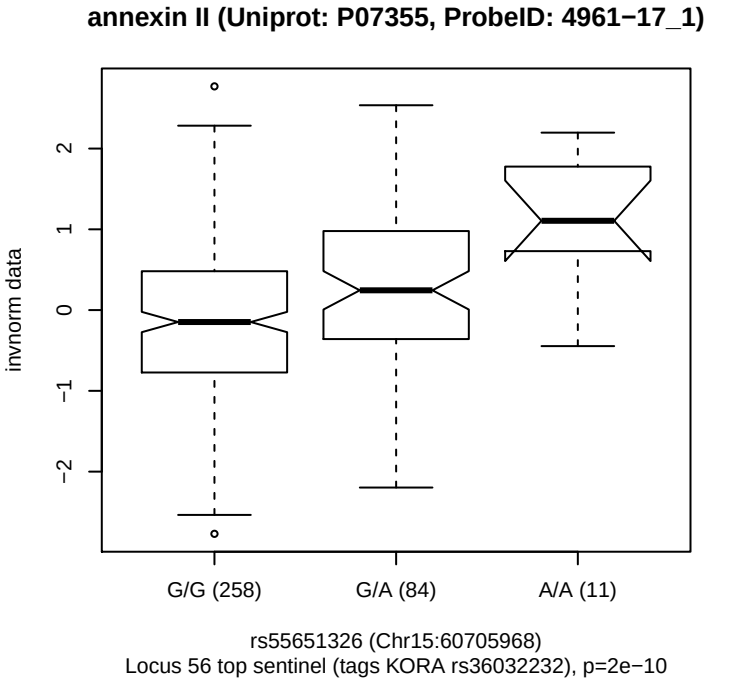

annexin II (Uniprot: P07355, ProbeID: 4961−17_1)
Frequency
0
20
40
60
80
100
120
0
5000
10000
15000
20000
25000
raw data
Annexin A2


annexin II (Uniprot: P07355, ProbeID: 4961−17_1)
raw data
0
5000
10000
15000
20000
25000
G/G (258)
G/A (84)
A/A (11)
rs55651326 (Chr15:60705968)
Locus 56 top sentinel (tags KORA rs36032232), p=2.1e−11

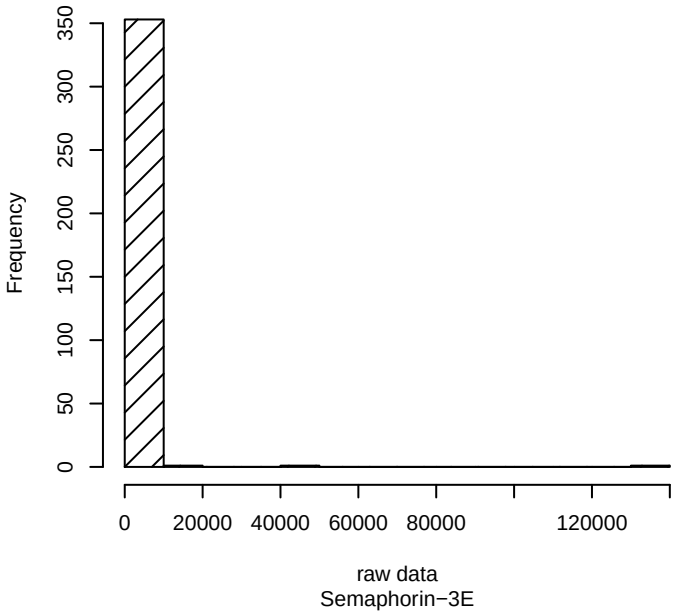

annexin II (Uniprot: P07355, ProbeID: 4961−17_1)
Frequency
0
20
40
60
80
100
120
10
11
12
13
14
15
log2−scaled data
Annexin A2


annexin II (Uniprot: P07355, ProbeID: 4961−17_1)
log2−scaled data
10
11
12
13
14
G/G (258)
G/A (84)
A/A (11)
rs55651326 (Chr15:60705968)
Locus 56 top sentinel (tags KORA rs36032232), p=1.3e−10, FC=1.2525

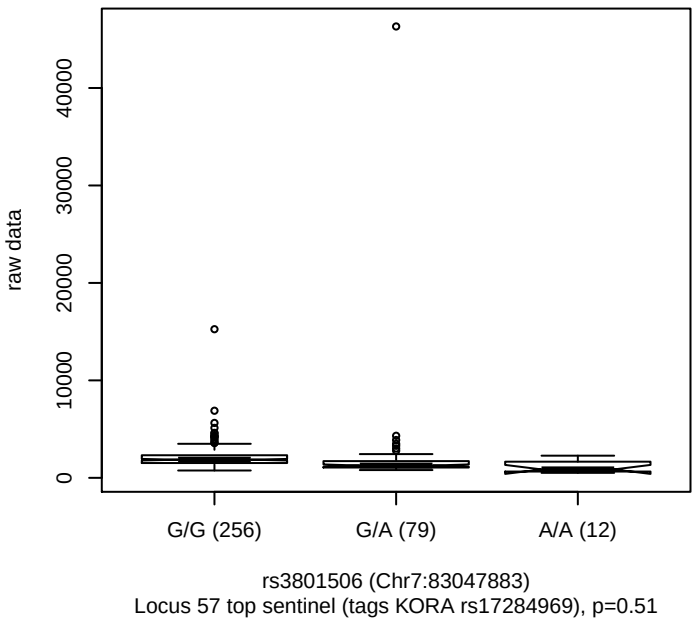

annexin II (Uniprot: P07355, ProbeID: 4961−17_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Annexin A2


annexin II (Uniprot: P07355, ProbeID: 4961−17_1)
invnorm data
−2
−1
0
1
2
G/G (258)
G/A (84)
A/A (11)
rs55651326 (Chr15:60705968)
Locus 56 top sentinel (tags KORA rs36032232), p=2e−10

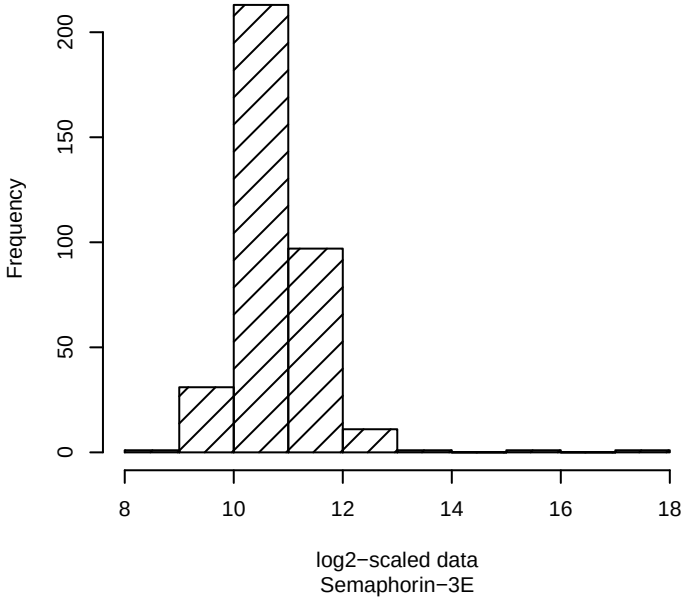
Semaphorin 3E (Uniprot: O15041, ProbeID: 5363−51_3)



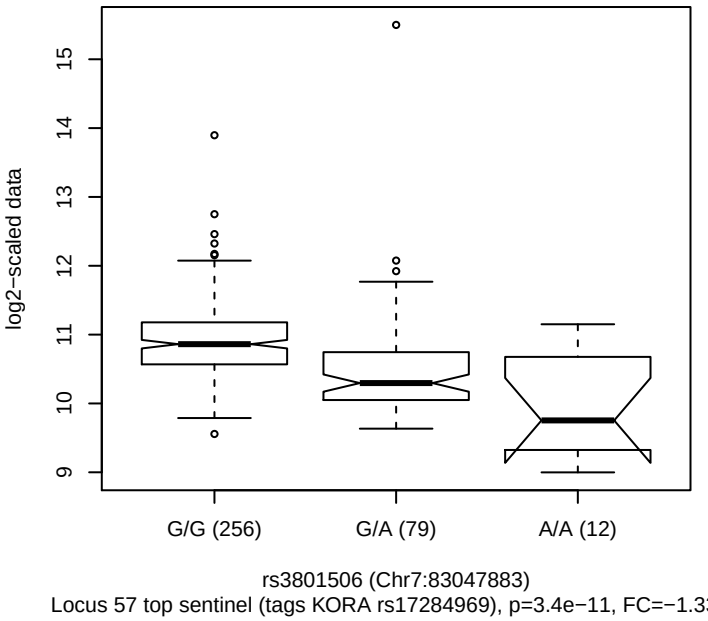
Semaphorin 3E (Uniprot: O15041, ProbeID: 5363−51_3)



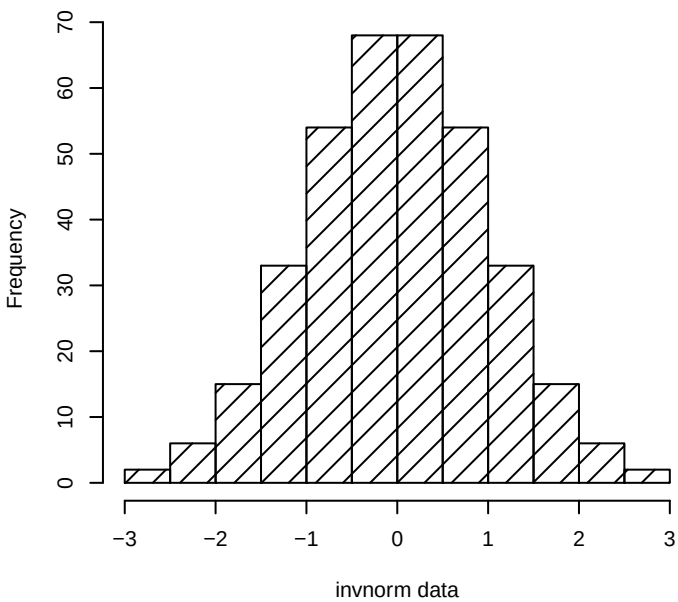
Semaphorin 3E (Uniprot: O15041, ProbeID: 5363−51_3)



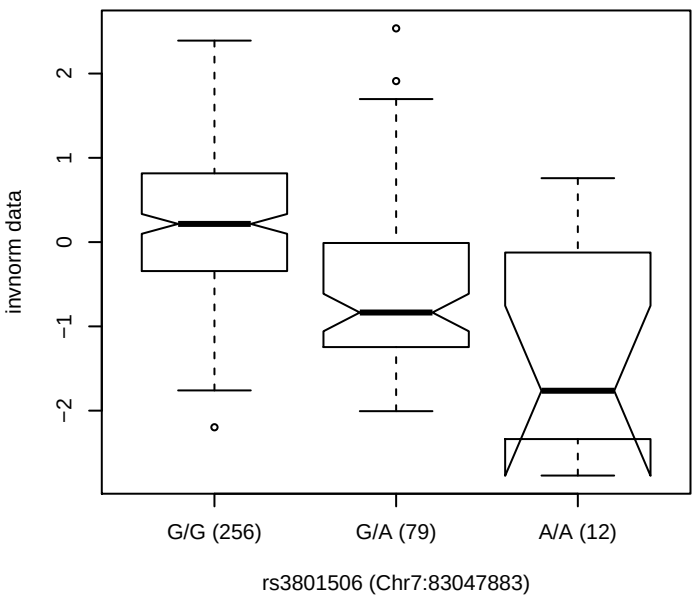
Semaphorin 3E (Uniprot: O15041, ProbeID: 5363−51_3)



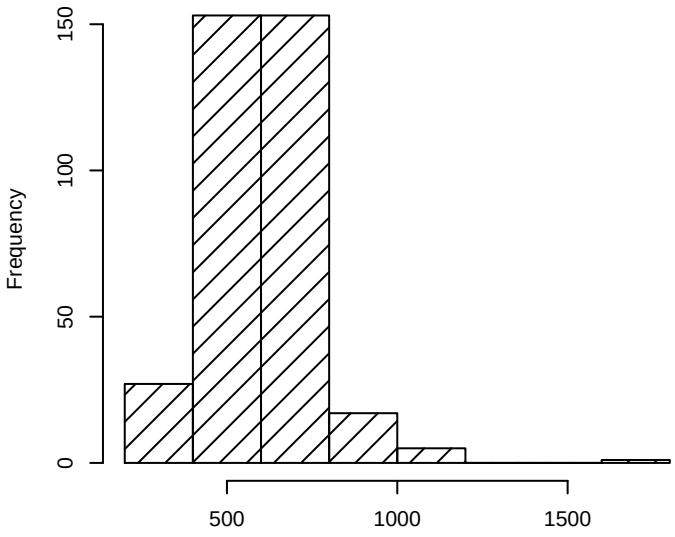
Semaphorin 3E (Uniprot: O15041, ProbeID: 5363−51_3)



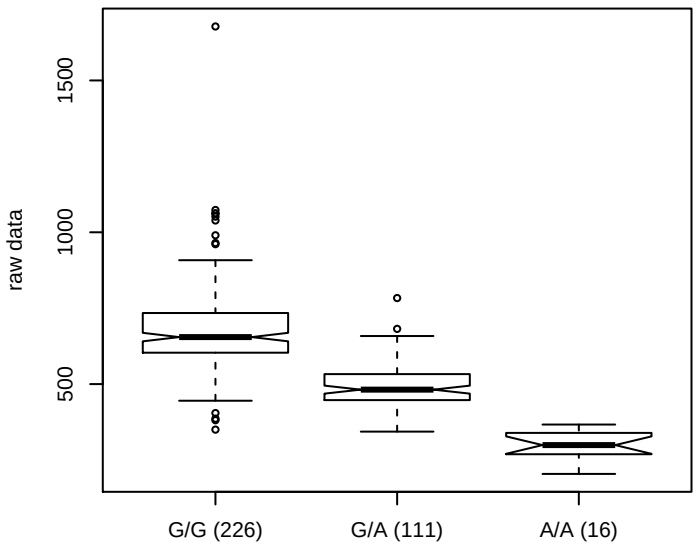
Semaphorin 3E (Uniprot: O15041, ProbeID: 5363−51_3)



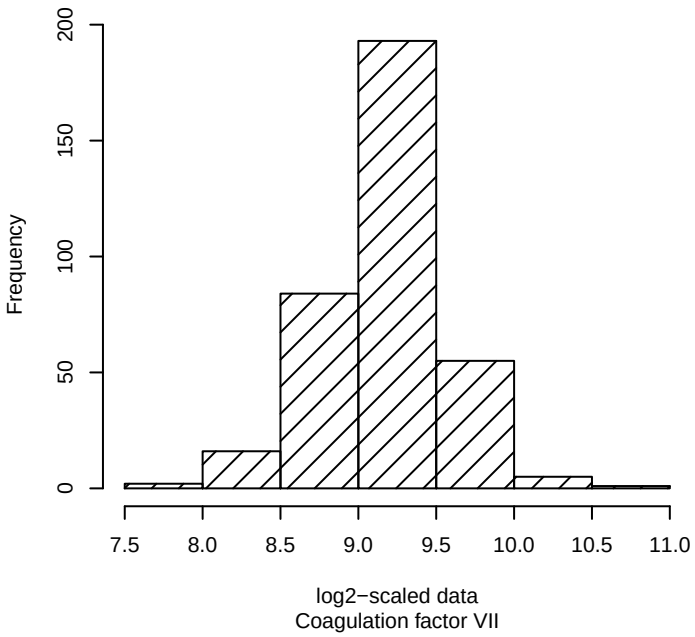
Coagulation Factor VII (Uniprot: P08709, ProbeID: 3184−25



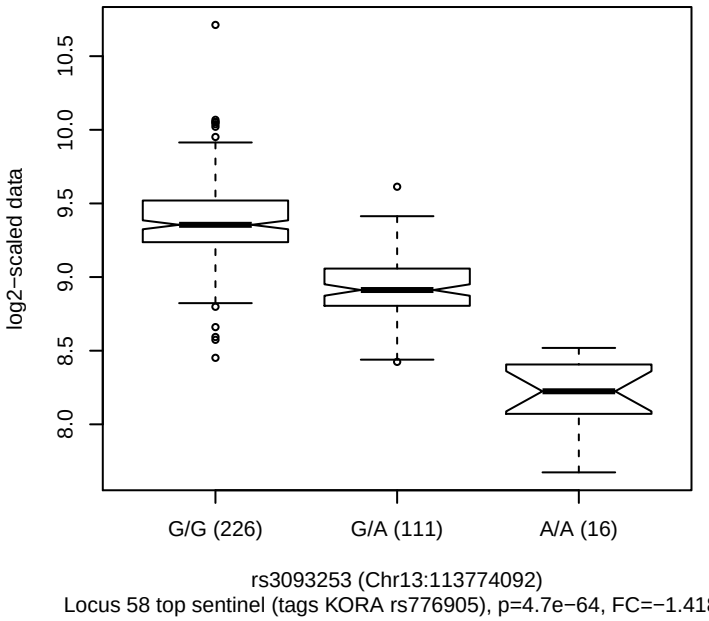
Coagulation Factor VII (Uniprot: P08709, ProbeID: 3184−25



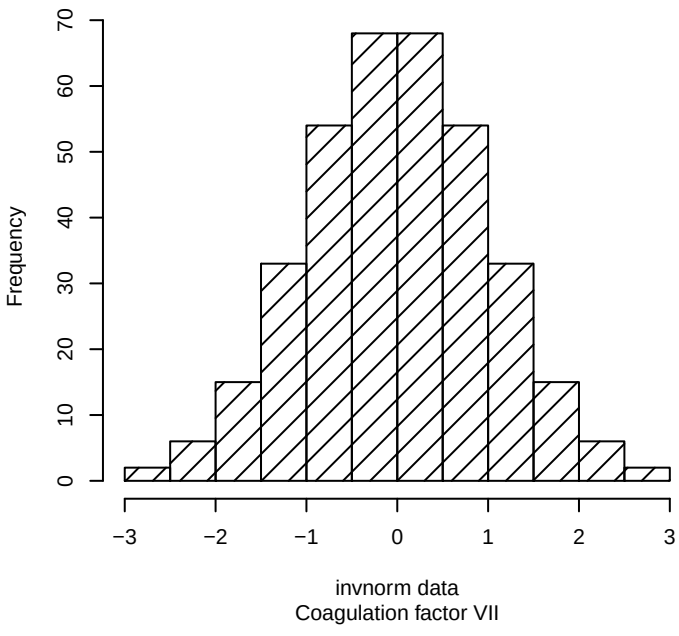
Coagulation Factor VII (Uniprot: P08709, ProbeID: 3184−25



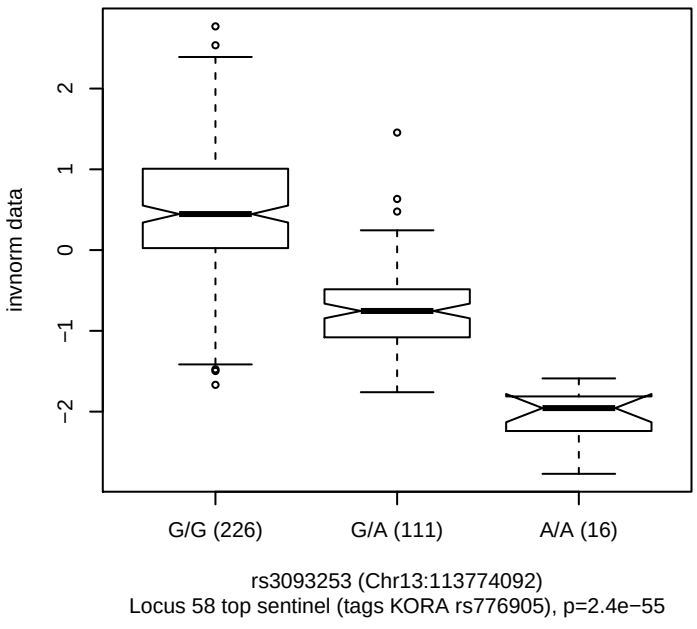
Coagulation Factor VII (Uniprot: P08709, ProbeID: 3184−25

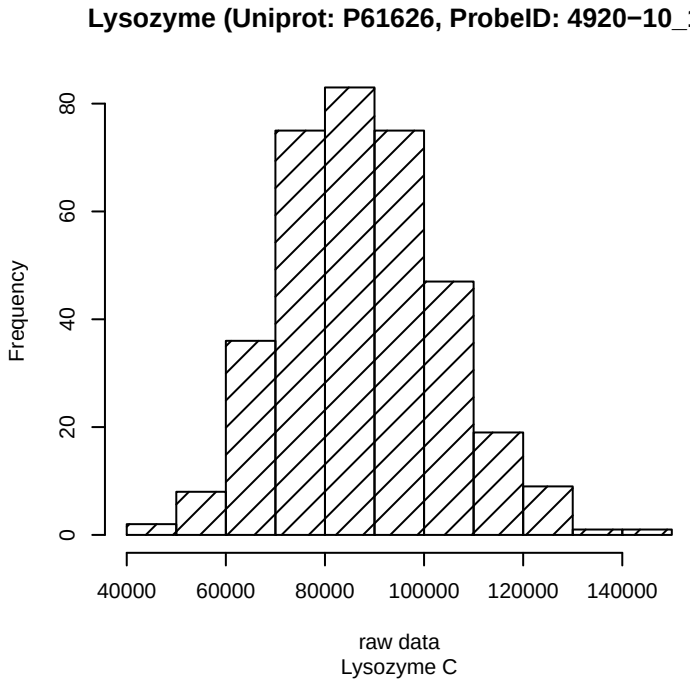


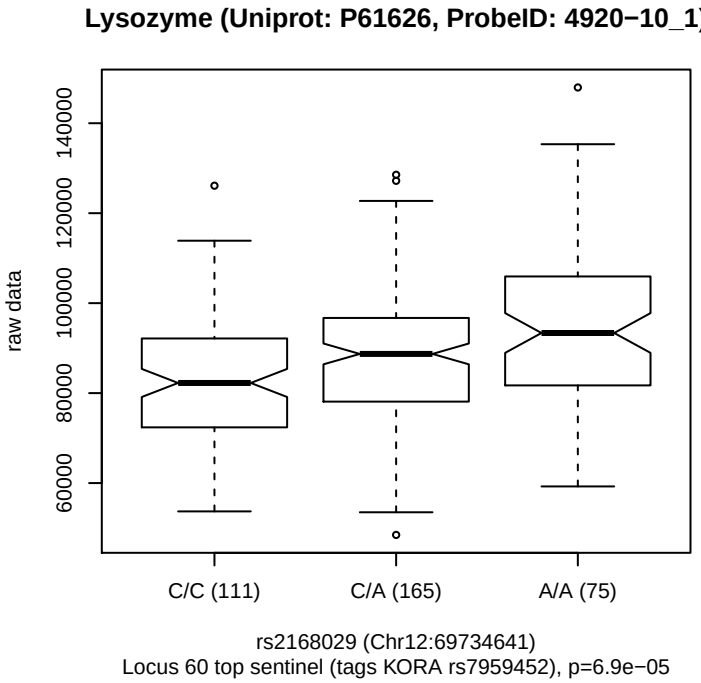
Coagulation Factor VII (Uniprot: P08709, ProbeID: 3184−25

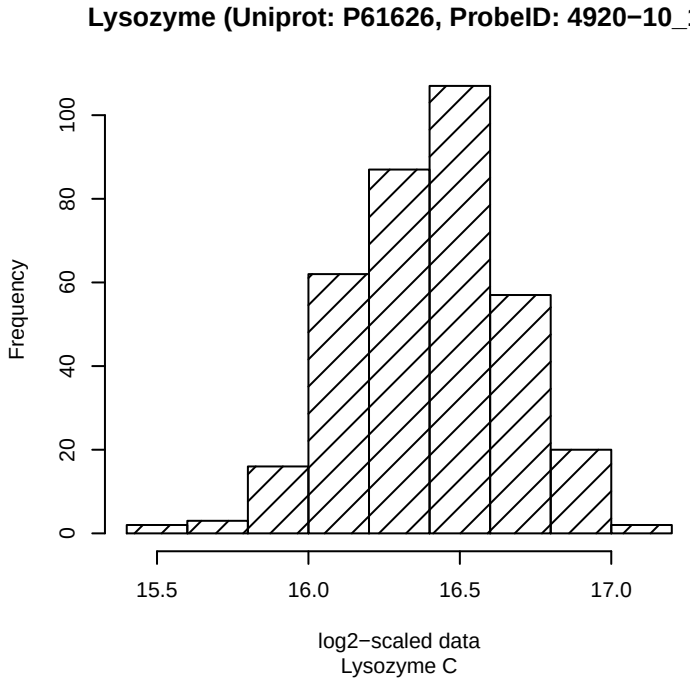


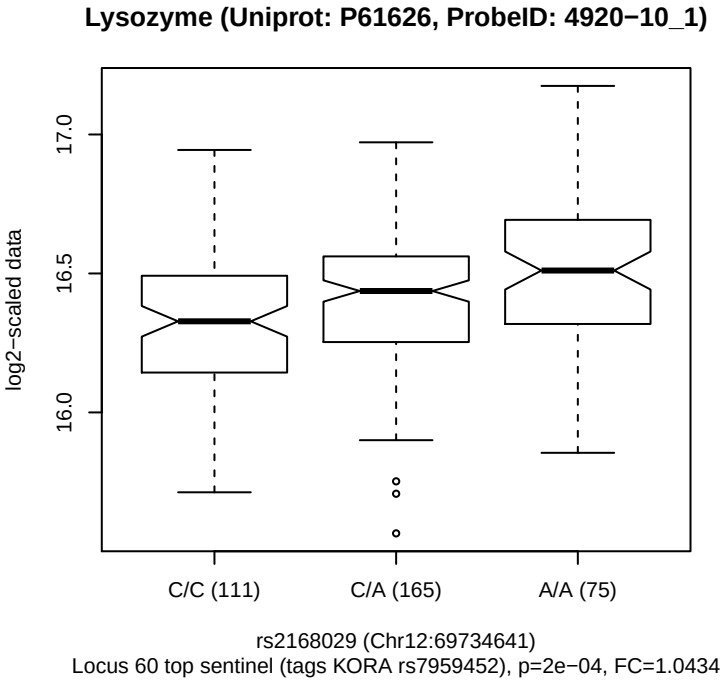
Coagulation Factor VII (Uniprot: P08709, ProbeID: 3184−25

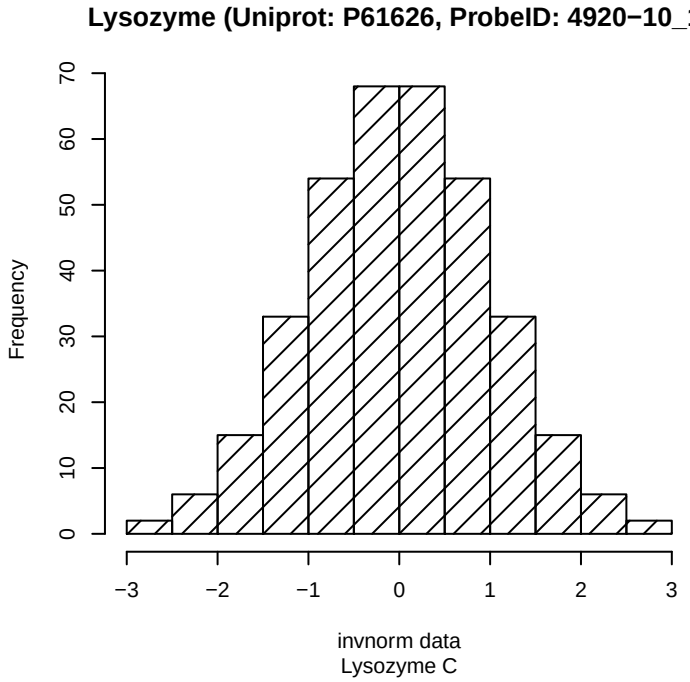


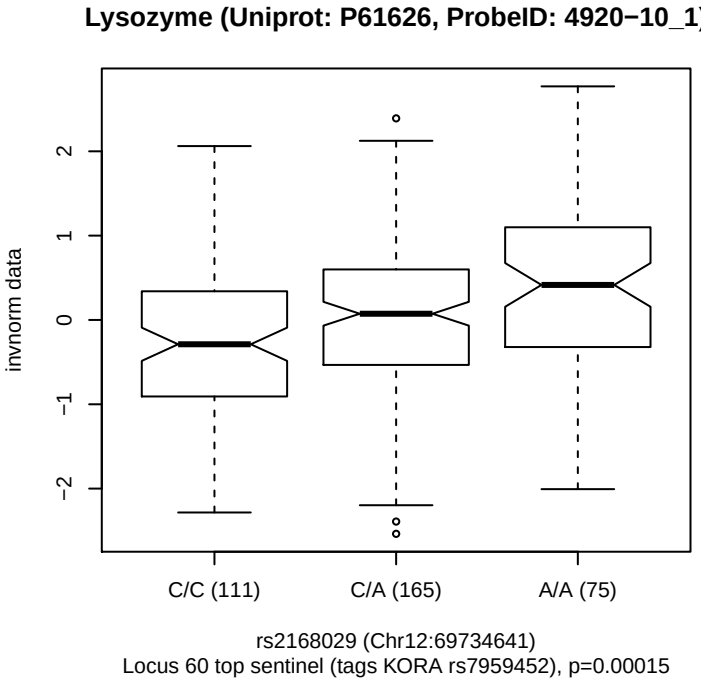

Lysozyme (Uniprot: P61626, ProbeID: 4920−10_1)
Frequency
0
20
40
60
80
40000
60000
80000
100000
120000
140000
raw data
Lysozyme C

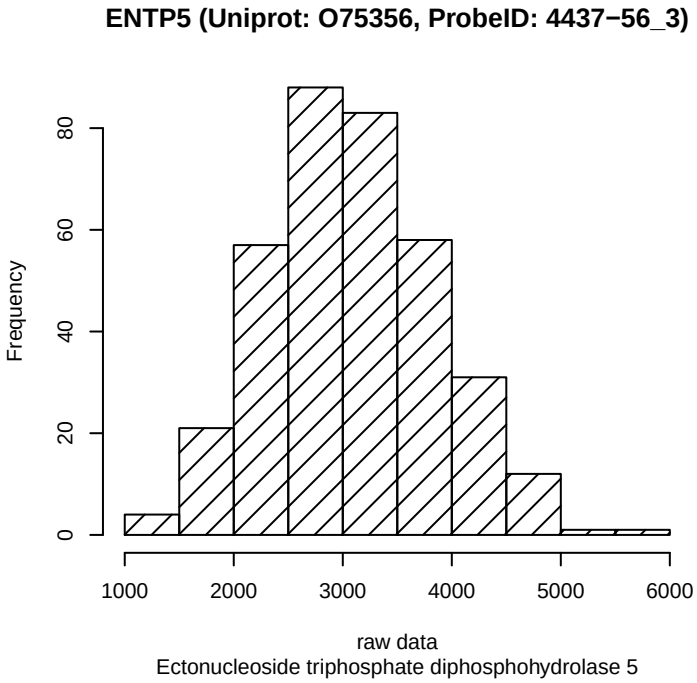

Lysozyme (Uniprot: P61626, ProbeID: 4920−10_1)
raw data
60000
80000
100000
120000
140000
C/C (111)
C/A (165)
A/A (75)
rs2168029 (Chr12:69734641)
Locus 60 top sentinel (tags KORA rs7959452), p=6.9e−05

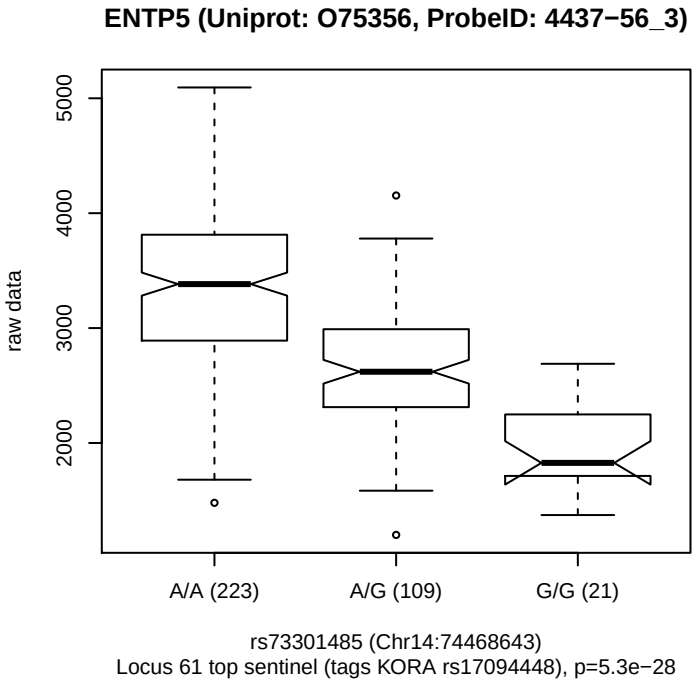

Lysozyme (Uniprot: P61626, ProbeID: 4920−10_1)
Frequency
0
20
40
60
80
100
15.5
16.0
16.5
17.0
log2−scaled data
Lysozyme C

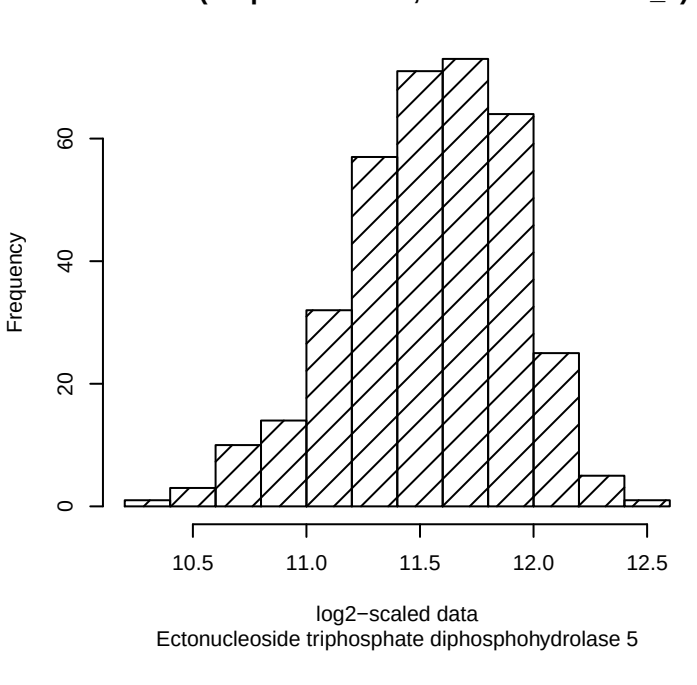

Lysozyme (Uniprot: P61626, ProbeID: 4920−10_1)
log2−scaled data
16.0
16.5
17.0
C/C (111)
C/A (165)
A/A (75)
rs2168029 (Chr12:69734641)
Locus 60 top sentinel (tags KORA rs7959452), p=2e−04, FC=1.0434

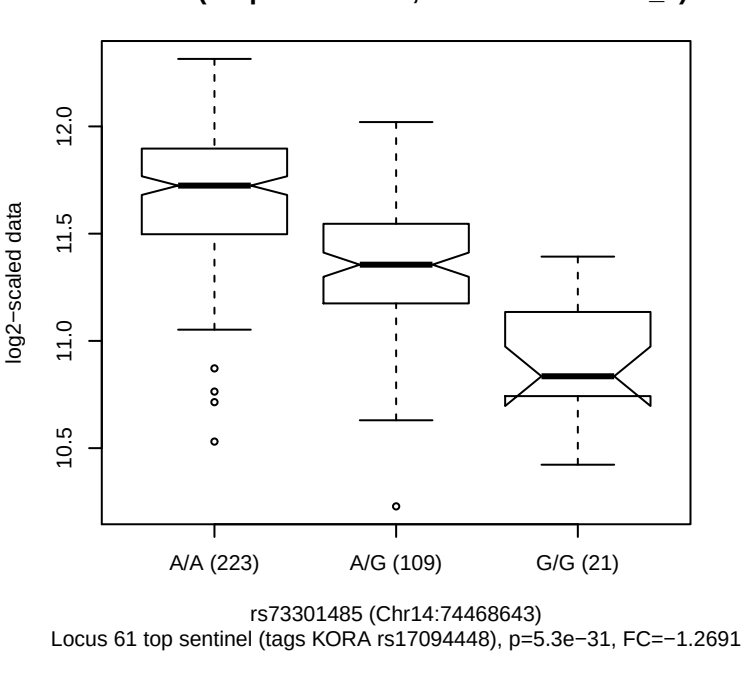

Lysozyme (Uniprot: P61626, ProbeID: 4920−10_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Lysozyme C

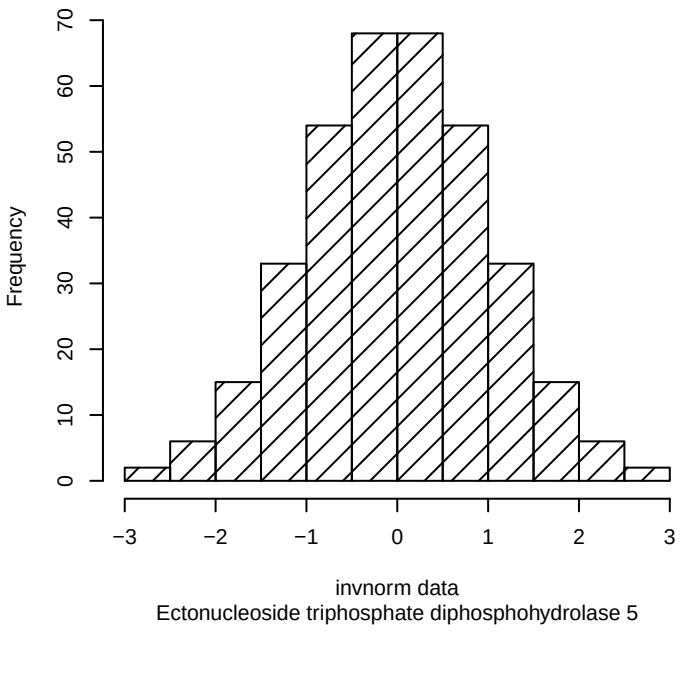

Lysozyme (Uniprot: P61626, ProbeID: 4920−10_1)
invnorm data
−2
−1
0
1
2
C/C (111)
C/A (165)
A/A (75)
rs2168029 (Chr12:69734641)
Locus 60 top sentinel (tags KORA rs7959452), p=0.00015

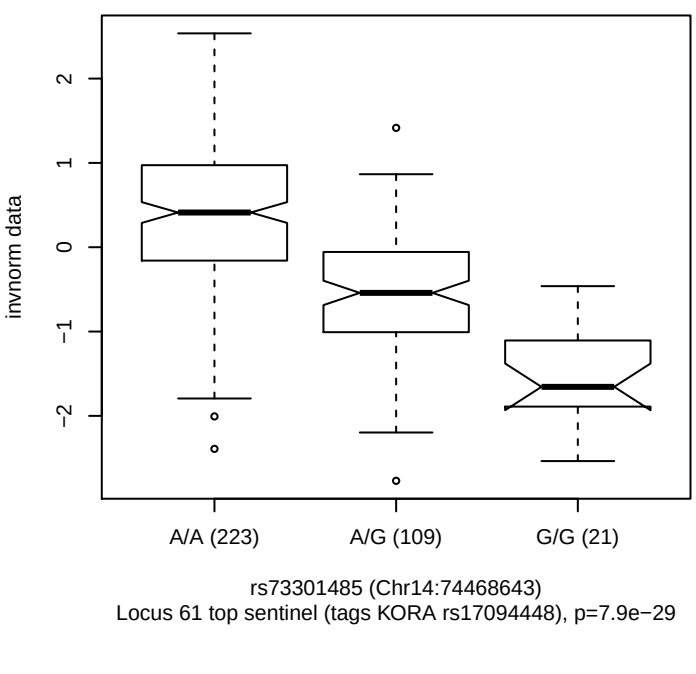

ENTP5 (Uniprot: O75356, ProbeID: 4437−56_3)
Frequency
0
20
40
60
80
1000
2000
3000
4000
5000
6000
raw data
Ectonucleoside triphosphate diphosphohydrolase 5

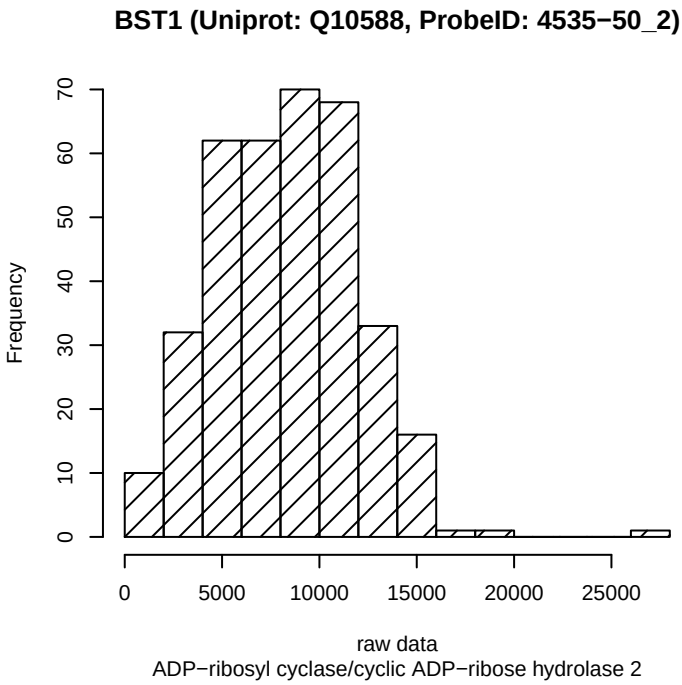

ENTP5 (Uniprot: O75356, ProbeID: 4437−56_3)
raw data
2000
3000
4000
5000
A/A (223)
A/G (109)
G/G (21)
rs73301485 (Chr14:74468643)
Locus 61 top sentinel (tags KORA rs17094448), p=5.3e−28

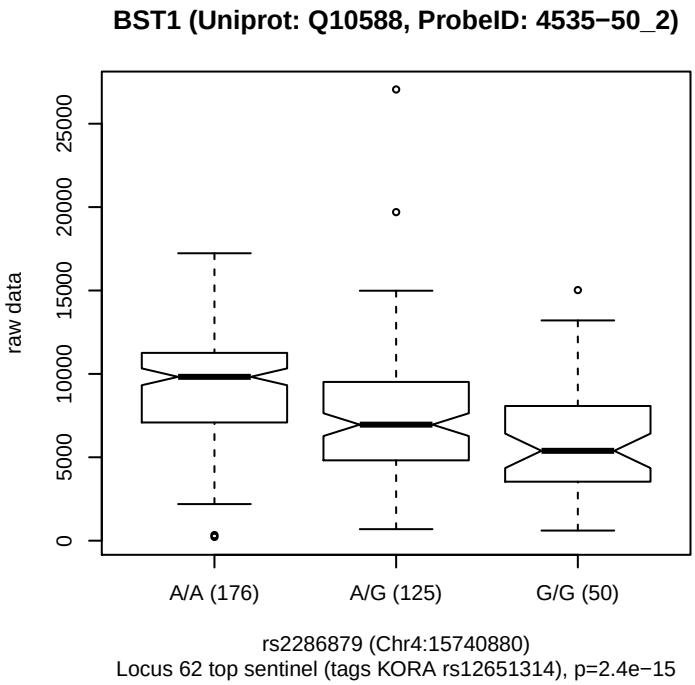

ENTP5 (Uniprot: O75356, ProbeID: 4437−56_3)
Frequency
0
20
40
60
10.5
11.0
11.5
12.0
12.5
log2−scaled data
Ectonucleoside triphosphate diphosphohydrolase 5

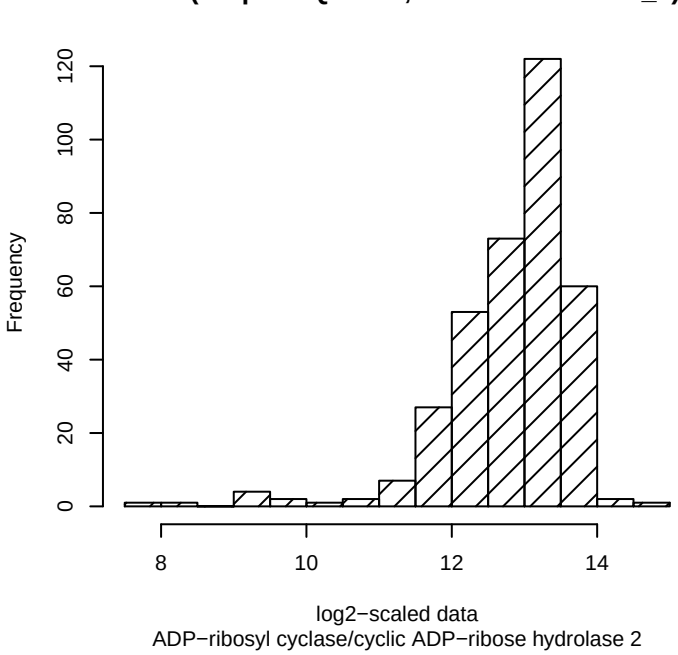

ENTP5 (Uniprot: O75356, ProbeID: 4437−56_3)
log2−scaled data
10.5
11.0
11.5
12.0
A/A (223)
A/G (109)
G/G (21)
rs73301485 (Chr14:74468643)
Locus 61 top sentinel (tags KORA rs17094448), p=5.3e−31, FC=−1.2691

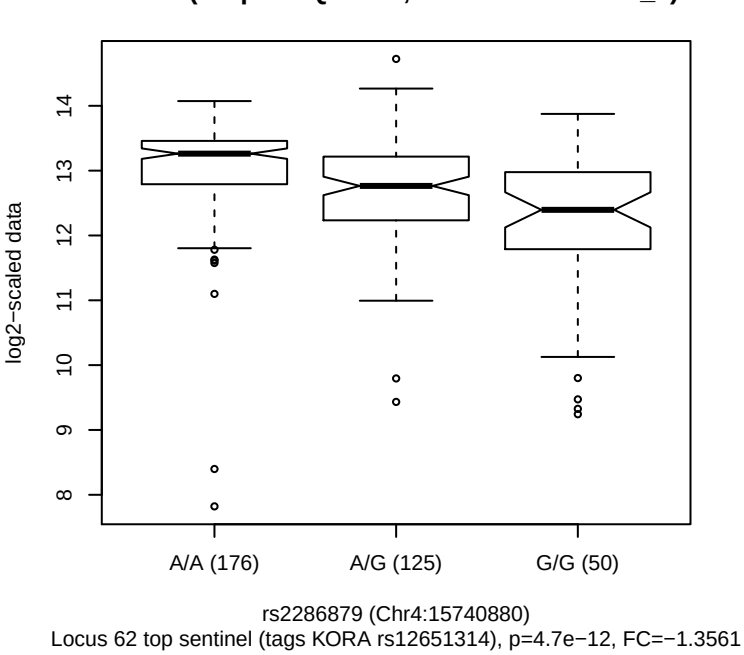

ENTP5 (Uniprot: O75356, ProbeID: 4437−56_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Ectonucleoside triphosphate diphosphohydrolase 5

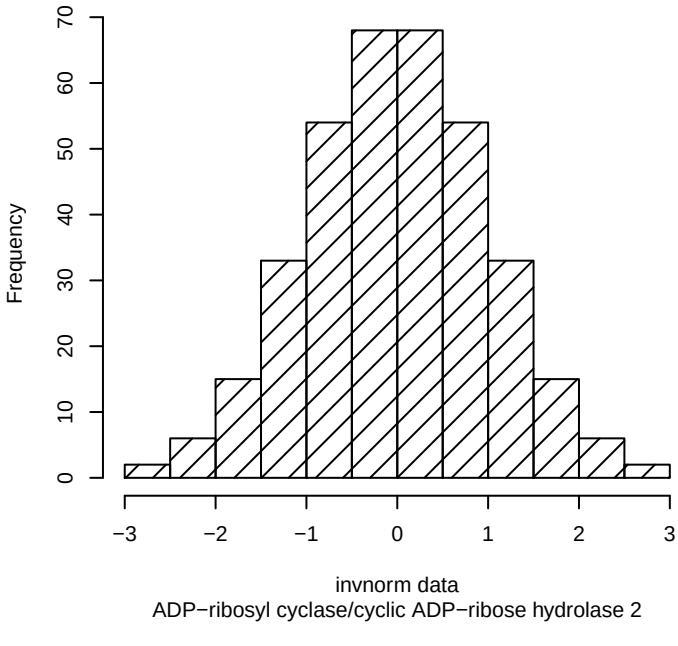

ENTP5 (Uniprot: O75356, ProbeID: 4437−56_3)
invnorm data
−2
−1
0
1
2
A/A (223)
A/G (109)
G/G (21)
rs73301485 (Chr14:74468643)
Locus 61 top sentinel (tags KORA rs17094448), p=7.9e−29

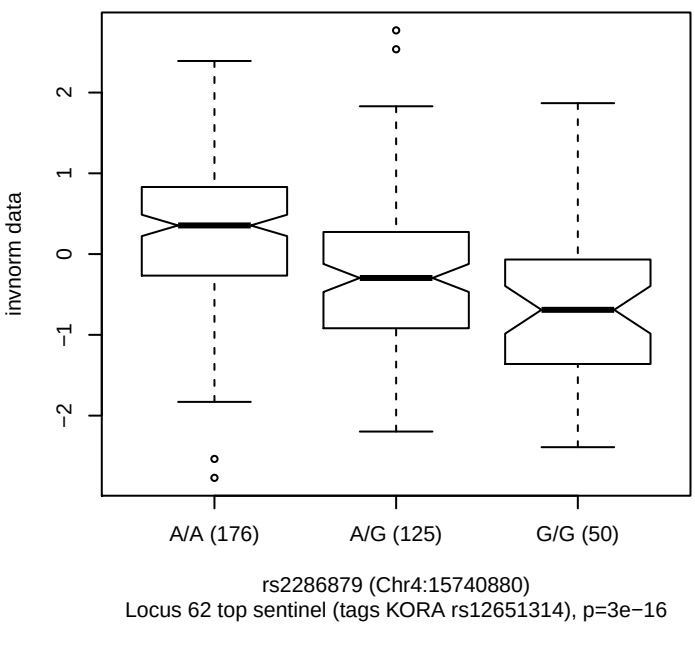

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
Frequency
0
10
20
30
40
50
60
70
0
5000
10000
15000
20000
25000
raw data
ADP−ribosyl cyclase/cyclic ADP−ribose hydrolase 2

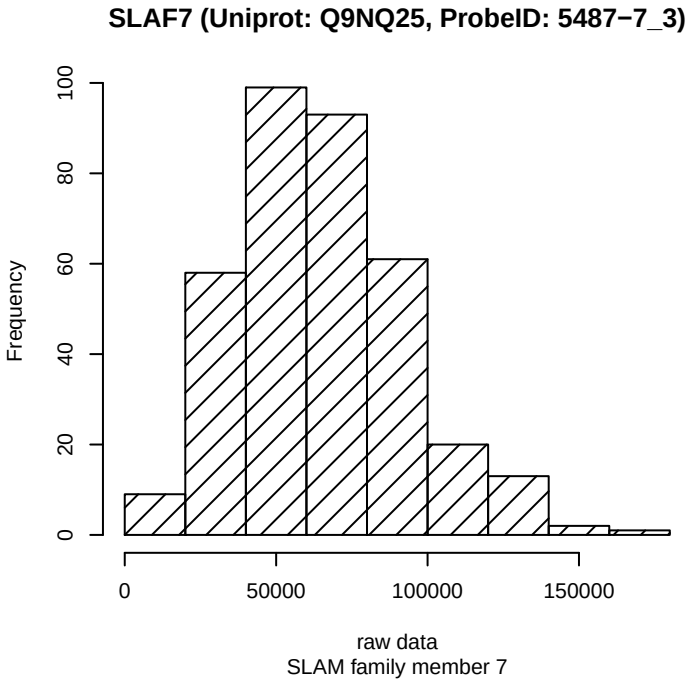

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
raw data
0
5000
10000
15000
20000
25000
A/A (176)
A/G (125)
G/G (50)
rs2286879 (Chr4:15740880)
Locus 62 top sentinel (tags KORA rs12651314), p=2.4e−15

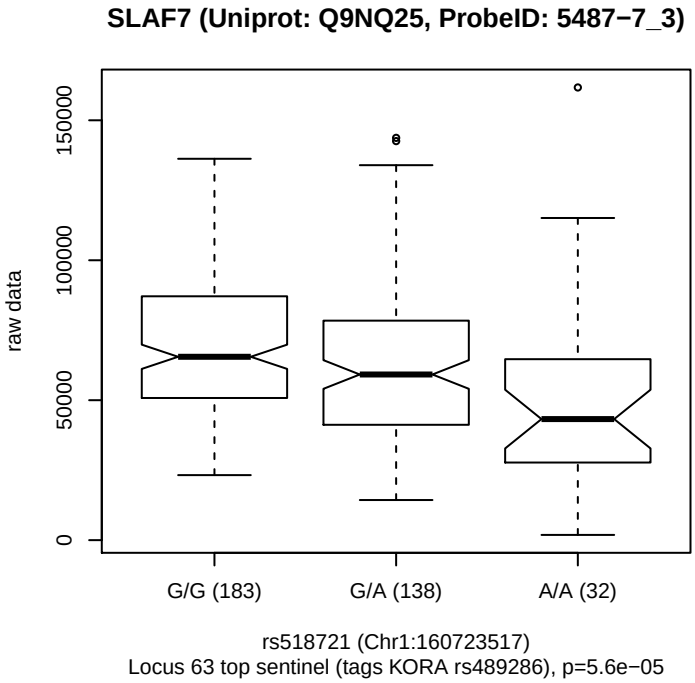

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
Frequency
0
20
40
60
80
100
120
8
10
12
14
log2−scaled data
ADP−ribosyl cyclase/cyclic ADP−ribose hydrolase 2

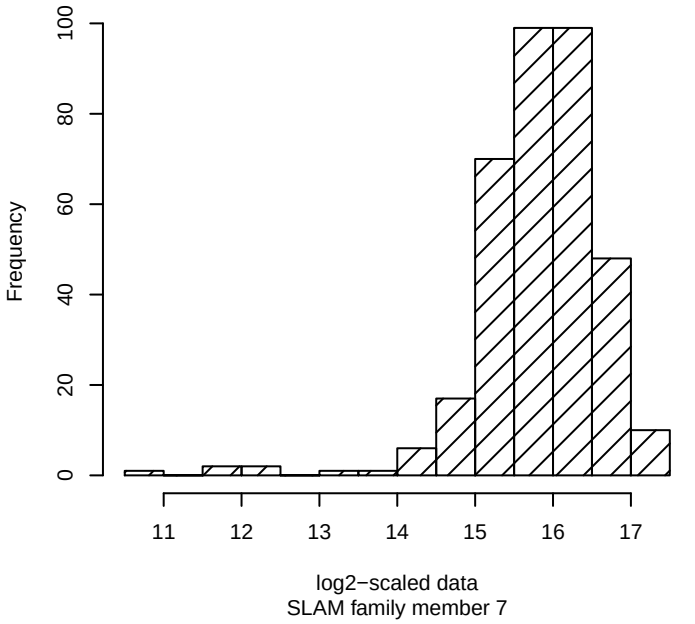

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
log2−scaled data
8
9
10
11
12
13
14
A/A (176)
A/G (125)
G/G (50)
rs2286879 (Chr4:15740880)
Locus 62 top sentinel (tags KORA rs12651314), p=4.7e−12, FC=−1.3561

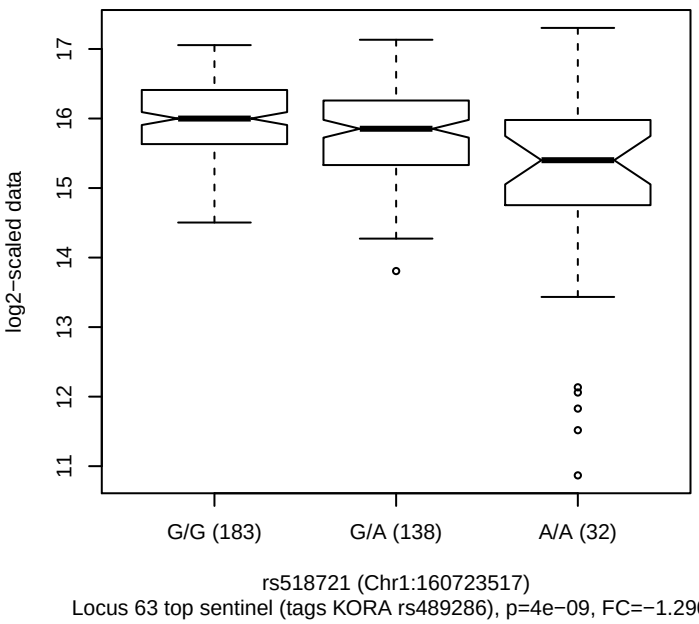

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
ADP−ribosyl cyclase/cyclic ADP−ribose hydrolase 2

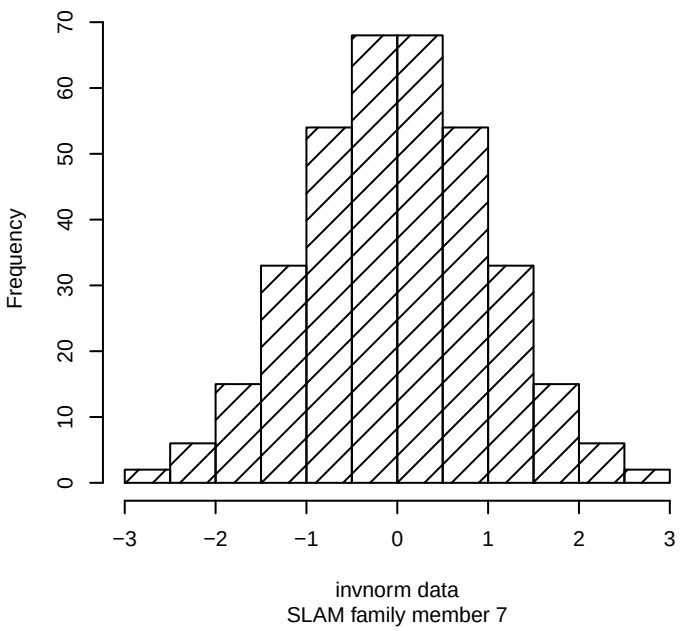

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
invnorm data
−2
−1
0
1
2
A/A (176)
A/G (125)
G/G (50)
rs2286879 (Chr4:15740880)
Locus 62 top sentinel (tags KORA rs12651314), p=3e−16

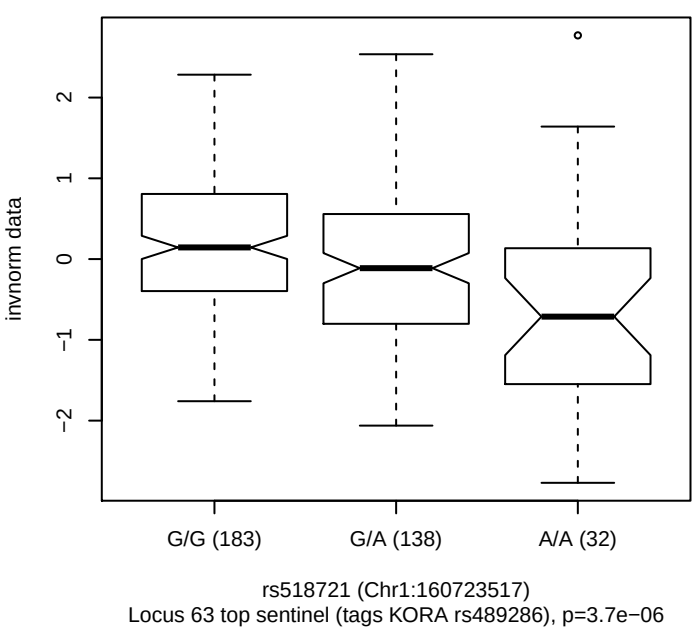

SLAF7 (Uniprot: Q9NQ25, ProbeID: 5487−7_3)
Frequency
0
20
40
60
80
100
0
50000
100000
150000
raw data
SLAM family member 7

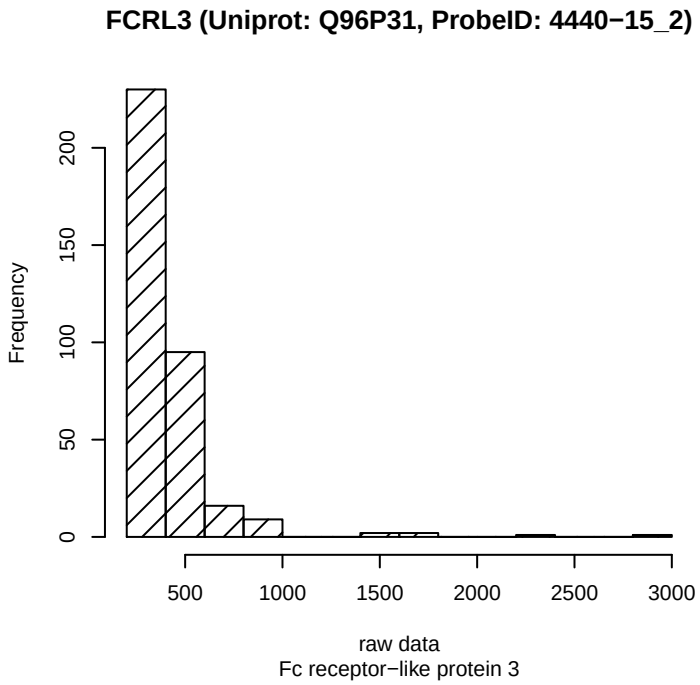

SLAF7 (Uniprot: Q9NQ25, ProbeID: 5487−7_3)
raw data
0
50000
100000
150000
G/G (183)
G/A (138)
A/A (32)
rs518721 (Chr1:160723517)
Locus 63 top sentinel (tags KORA rs489286), p=5.6e−05

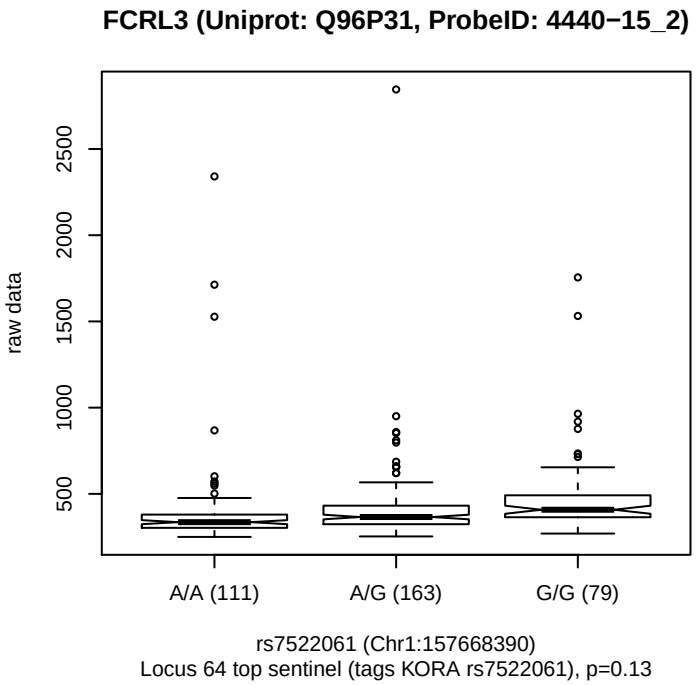

SLAF7 (Uniprot: Q9NQ25, ProbeID: 5487−7_3)
Frequency
0
20
40
60
80
100
11
12
13
14
15
16
17
log2−scaled data
SLAM family member 7

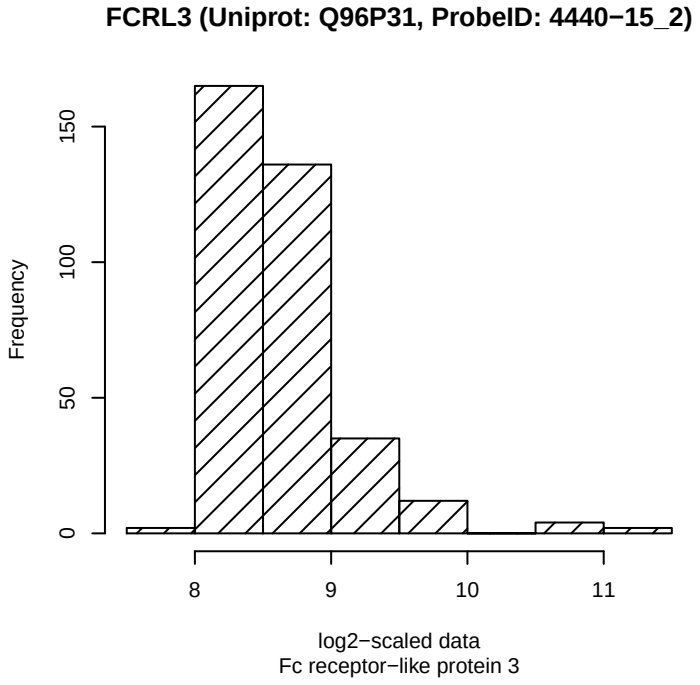

SLAF7 (Uniprot: Q9NQ25, ProbeID: 5487−7_3)
log2−scaled data
11
12
13
14
15
16
17
G/G (183)
G/A (138)
A/A (32)
rs518721 (Chr1:160723517)
Locus 63 top sentinel (tags KORA rs489286), p=4e−09, FC=−1.2901

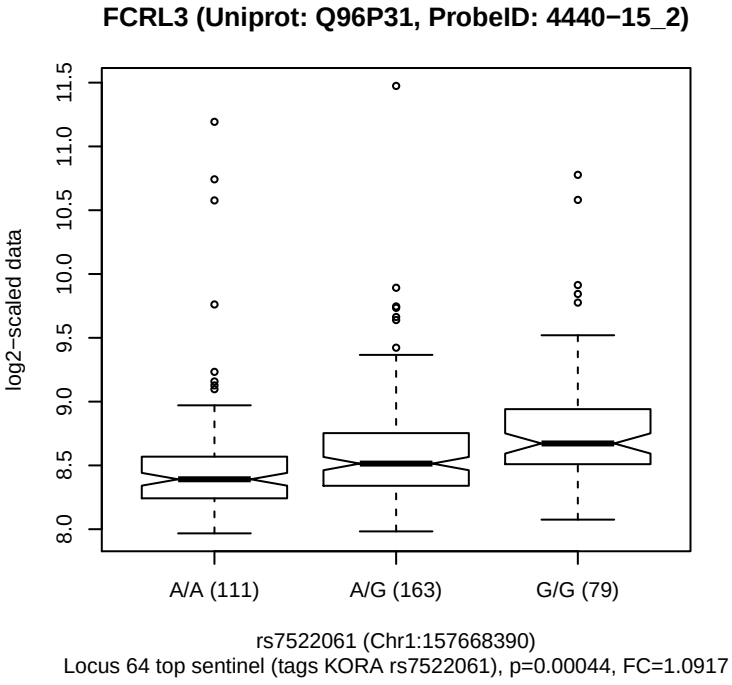

SLAF7 (Uniprot: Q9NQ25, ProbeID: 5487−7_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
SLAM family member 7

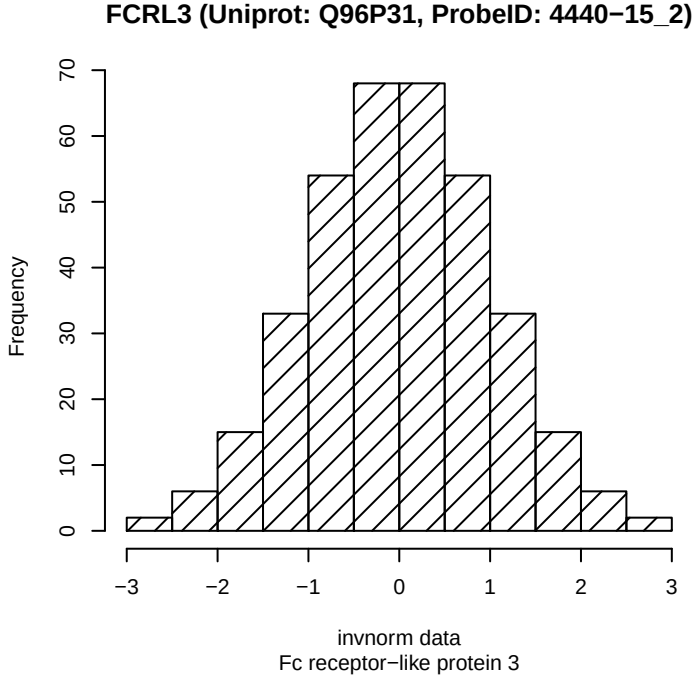

SLAF7 (Uniprot: Q9NQ25, ProbeID: 5487−7_3)
invnorm data
−2
−1
0
1
2
G/G (183)
G/A (138)
A/A (32)
rs518721 (Chr1:160723517)
Locus 63 top sentinel (tags KORA rs489286), p=3.7e−06

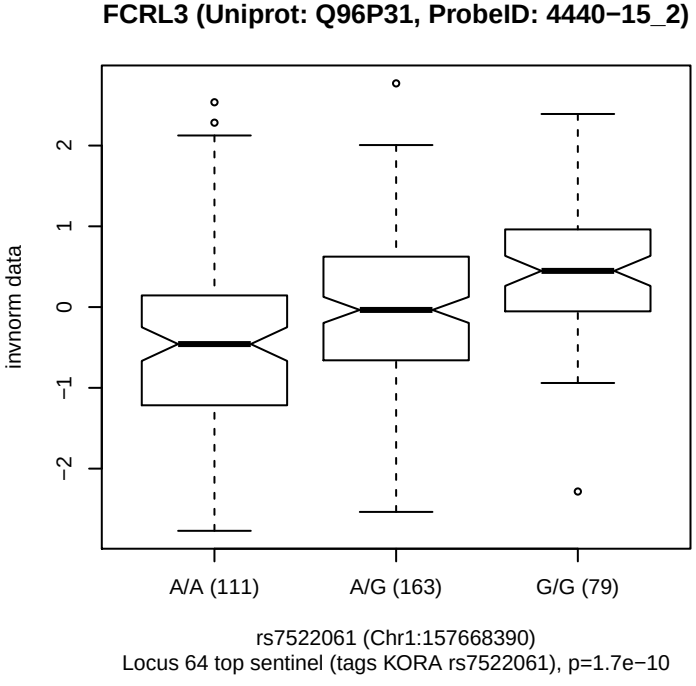

FCRL3 (Uniprot: Q96P31, ProbeID: 4440−15_2)
Frequency
0
50
100
150
200
500
1000
1500
2000
2500
3000
raw data
Fc receptor−like protein 3

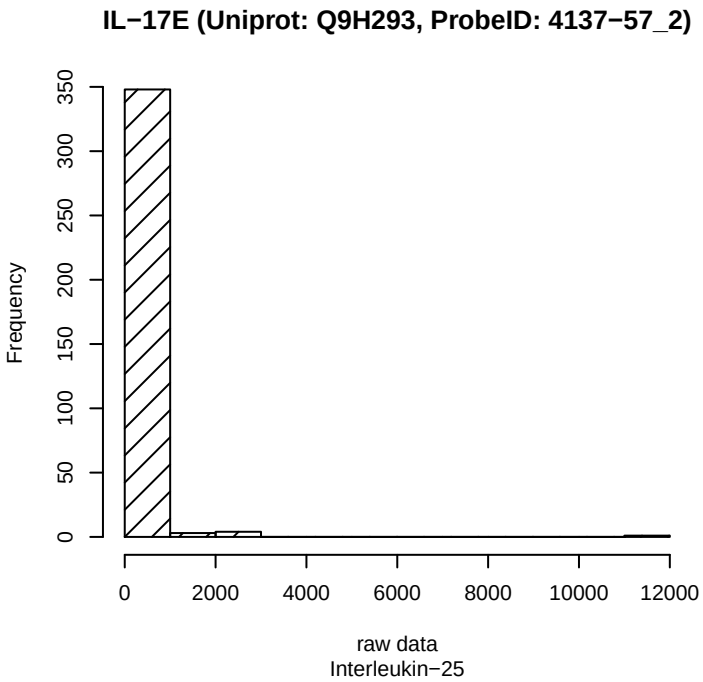

FCRL3 (Uniprot: Q96P31, ProbeID: 4440−15_2)
raw data
500
1000
1500
2000
2500
A/A (111)
A/G (163)
G/G (79)
rs7522061 (Chr1:157668390)
Locus 64 top sentinel (tags KORA rs7522061), p=0.13

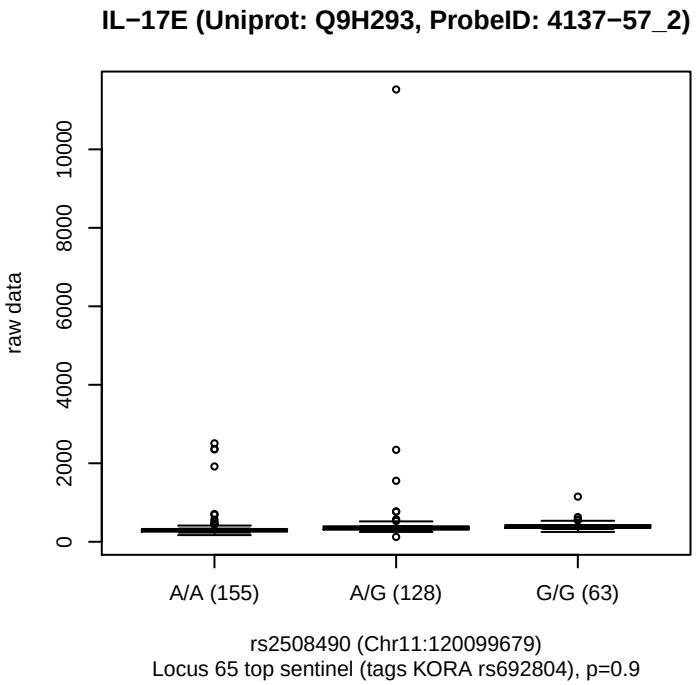

FCRL3 (Uniprot: Q96P31, ProbeID: 4440−15_2)
Frequency
0
50
100
150
8
9
10
11
log2−scaled data
Fc receptor−like protein 3

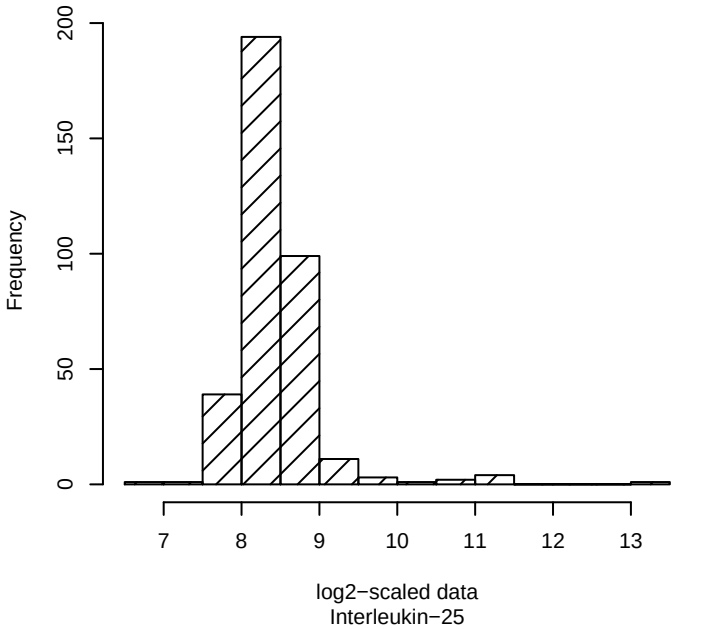

FCRL3 (Uniprot: Q96P31, ProbeID: 4440−15_2)
log2−scaled data
8.0
8.5
9.0
9.5
10.0
10.5
11.0
11.5
A/A (111)
A/G (163)
G/G (79)
rs7522061 (Chr1:157668390)
Locus 64 top sentinel (tags KORA rs7522061), p=0.00044, FC=1.0917

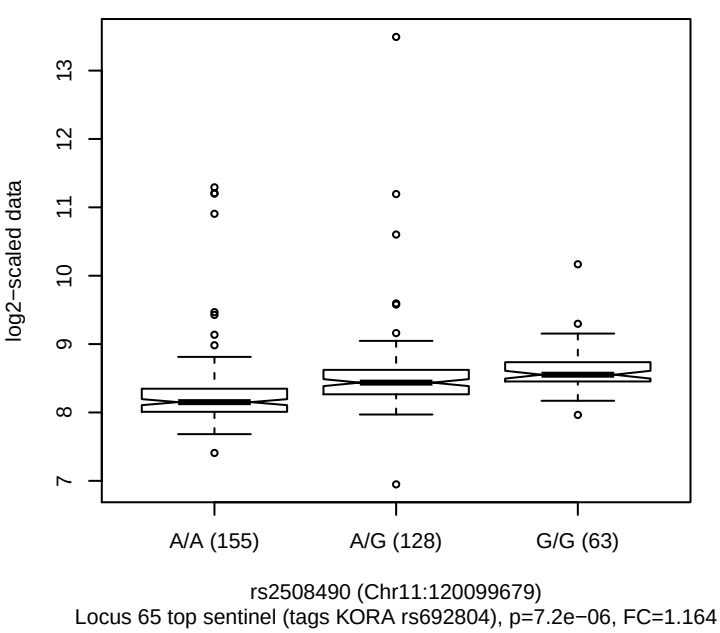

FCRL3 (Uniprot: Q96P31, ProbeID: 4440−15_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Fc receptor−like protein 3

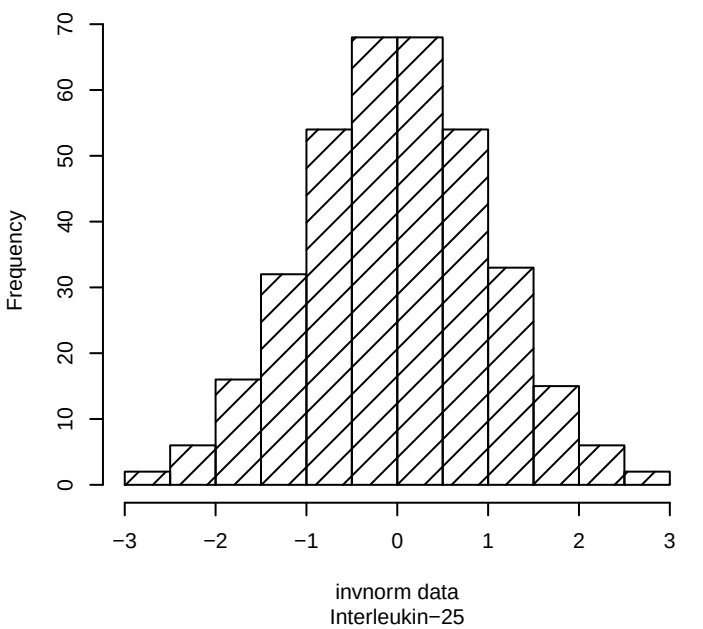

FCRL3 (Uniprot: Q96P31, ProbeID: 4440−15_2)
invnorm data
−2
−1
0
1
2
A/A (111)
A/G (163)
G/G (79)
rs7522061 (Chr1:157668390)
Locus 64 top sentinel (tags KORA rs7522061), p=1.7e−10

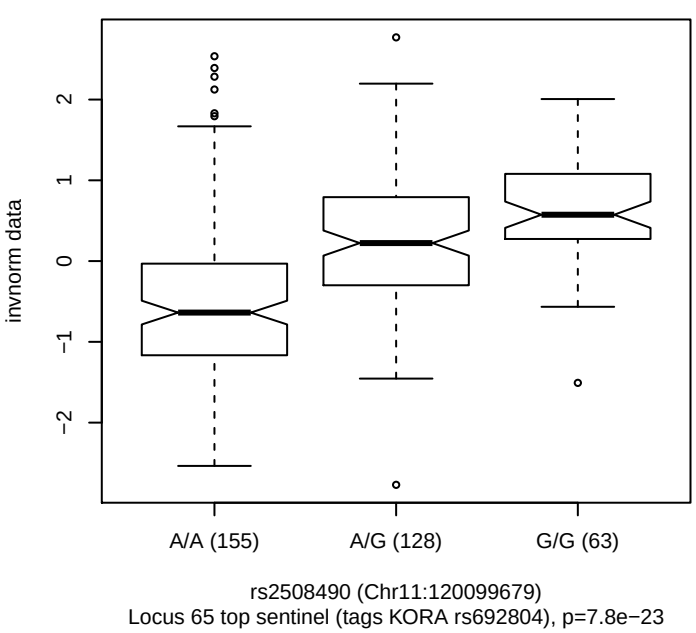

IL−17E (Uniprot: Q9H293, ProbeID: 4137−57_2)
Frequency
0
50
100
150
200
250
300
350
0
2000
4000
6000
8000
10000
12000
raw data
Interleukin−25


IL−17E (Uniprot: Q9H293, ProbeID: 4137−57_2)
raw data
0
2000
4000
6000
8000
10000
A/A (155)
A/G (128)
G/G (63)
rs2508490 (Chr11:120099679)
Locus 65 top sentinel (tags KORA rs692804), p=0.9

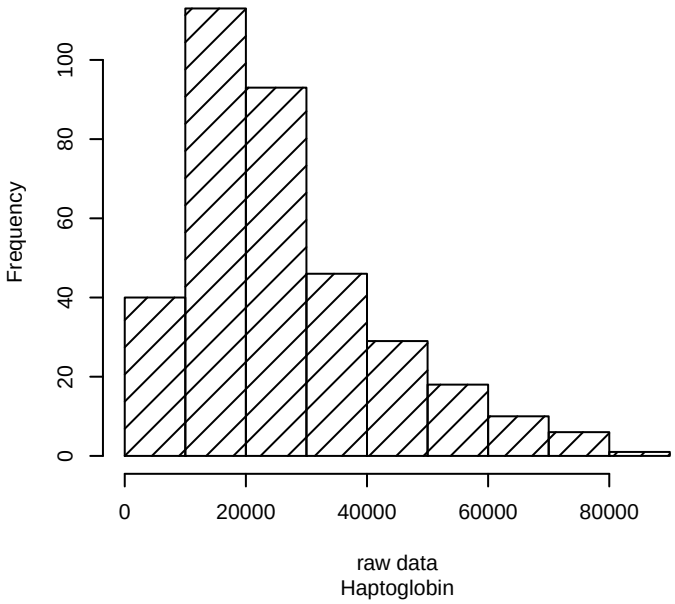

IL−17E (Uniprot: Q9H293, ProbeID: 4137−57_2)
Frequency
0
50
100
150
200
7
8
9
10
11
12
13
log2−scaled data
Interleukin−25


IL−17E (Uniprot: Q9H293, ProbeID: 4137−57_2)
log2−scaled data
7
8
9
10
11
12
13
A/A (155)
A/G (128)
G/G (63)
rs2508490 (Chr11:120099679)
Locus 65 top sentinel (tags KORA rs692804), p=7.2e−06, FC=1.164

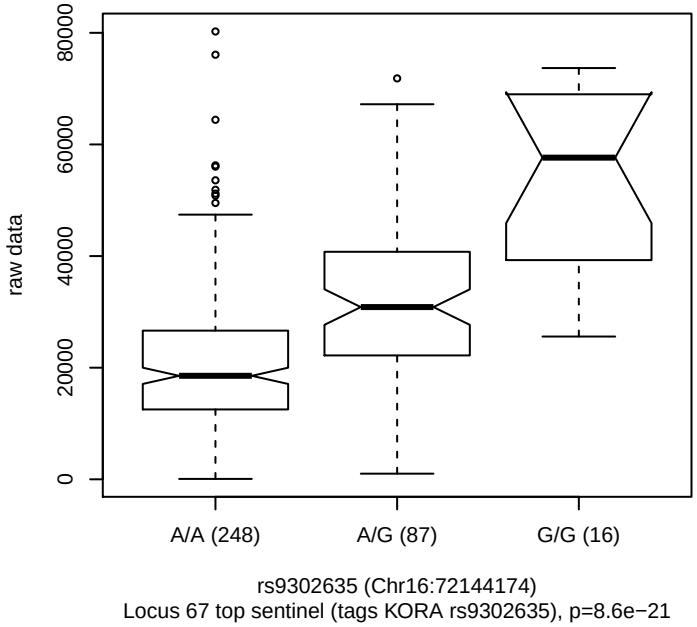

IL−17E (Uniprot: Q9H293, ProbeID: 4137−57_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−25


IL−17E (Uniprot: Q9H293, ProbeID: 4137−57_2)
invnorm data
−2
−1
0
1
2
A/A (155)
A/G (128)
G/G (63)
rs2508490 (Chr11:120099679)
Locus 65 top sentinel (tags KORA rs692804), p=7.8e−23

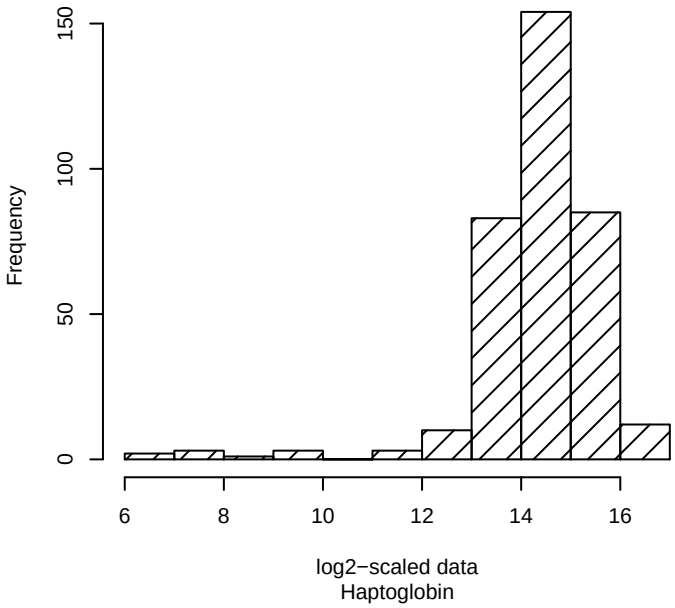
Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−3



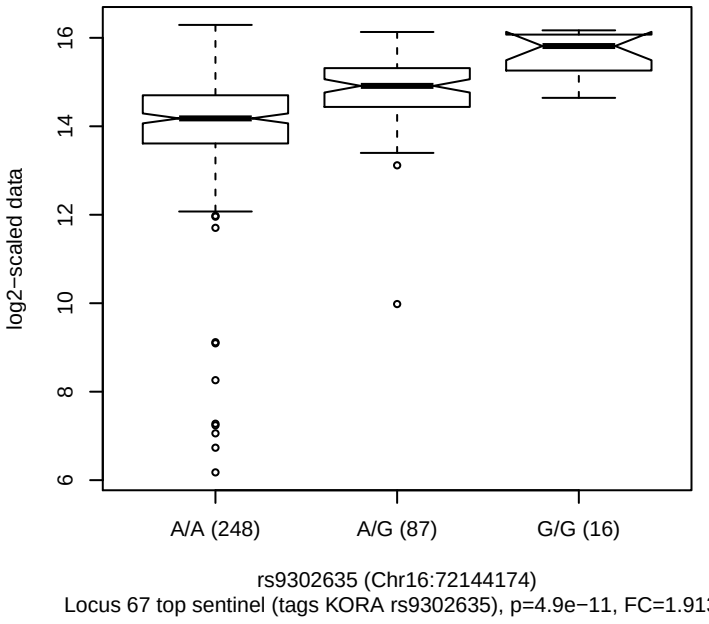
Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−3



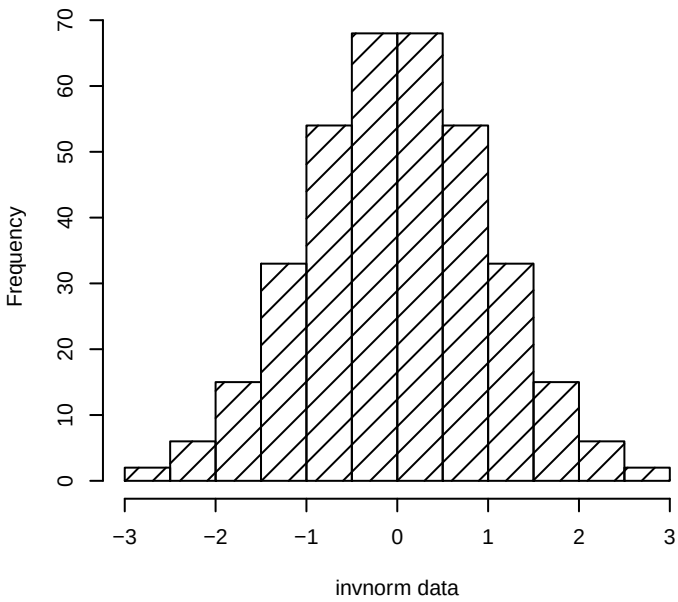
Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−3



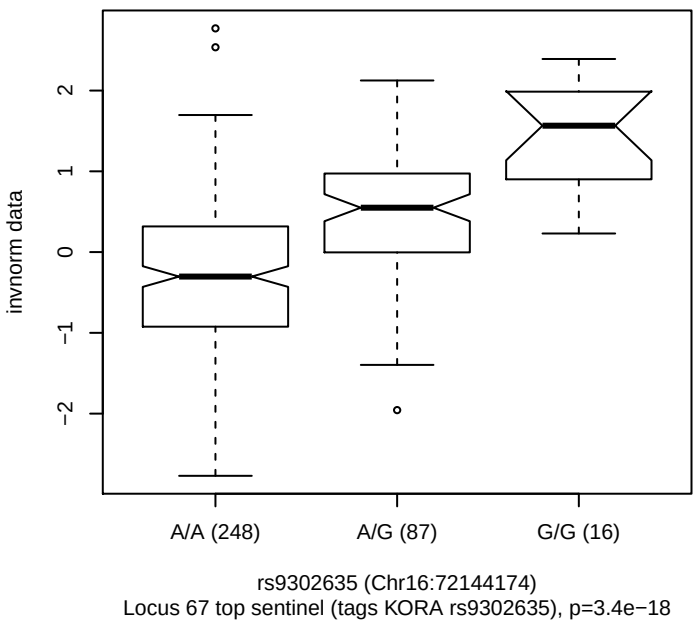
Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−3



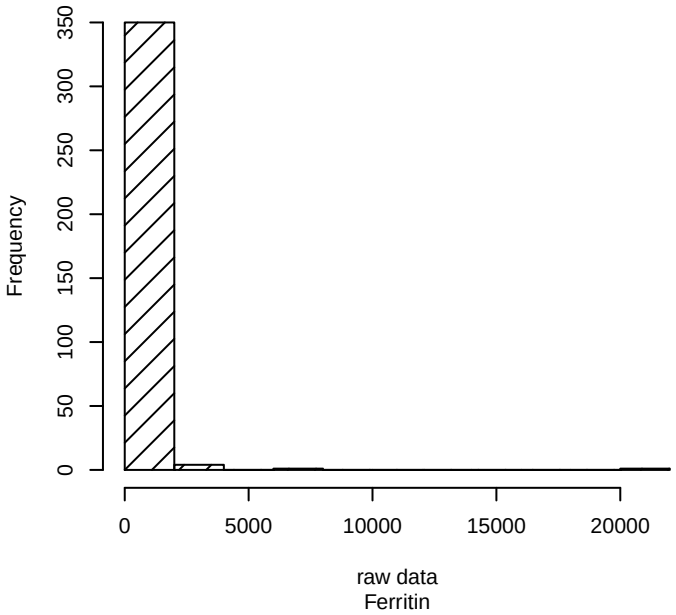
Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−3



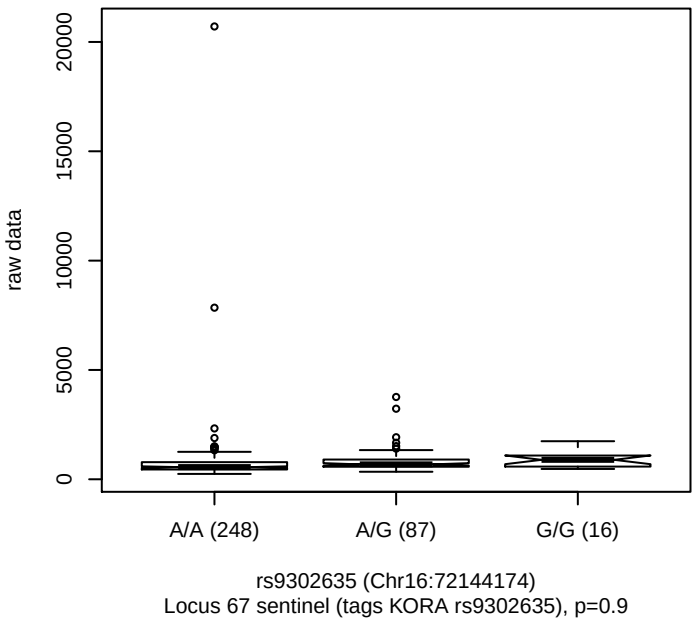
Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−3



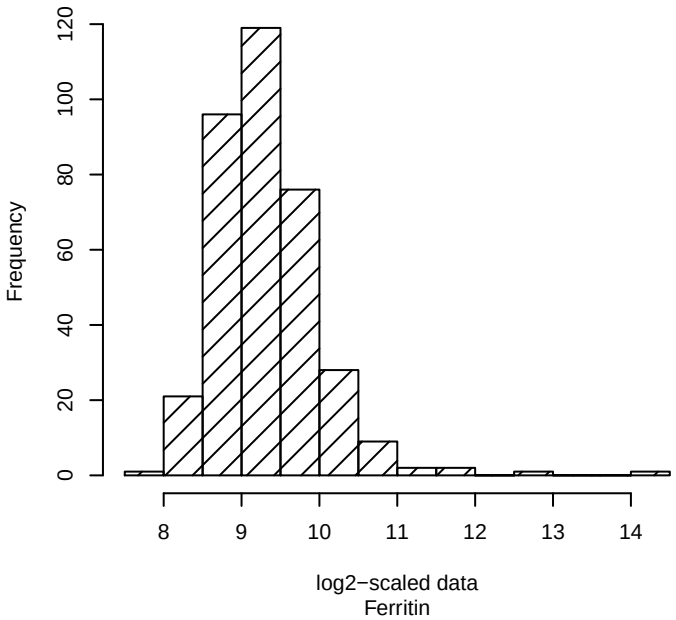
Ferritin (Uniprot: P02794 P02792, ProbeID: 3031−66_1)



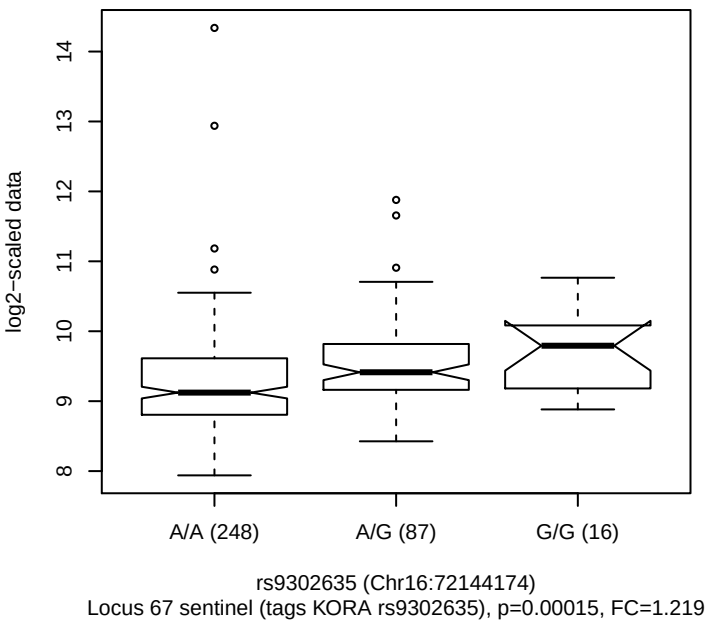
Ferritin (Uniprot: P02794 P02792, ProbeID: 3031−66_1)



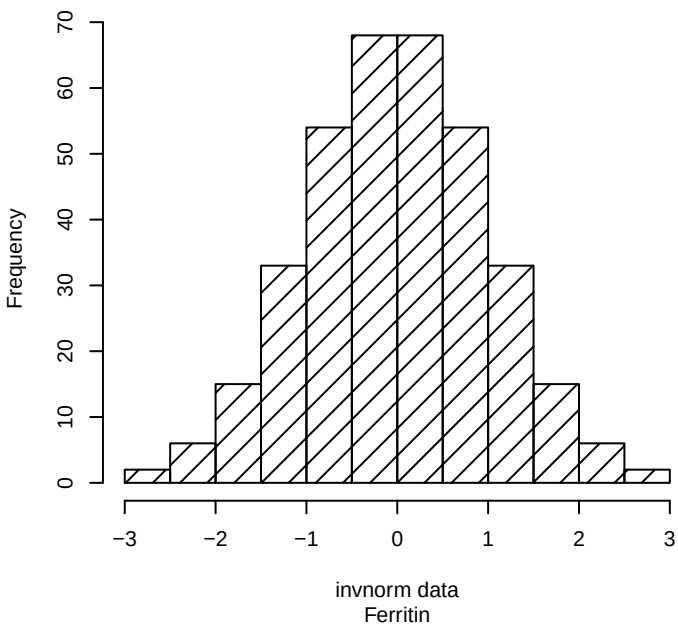
Ferritin (Uniprot: P02794 P02792, ProbeID: 3031−66_1)



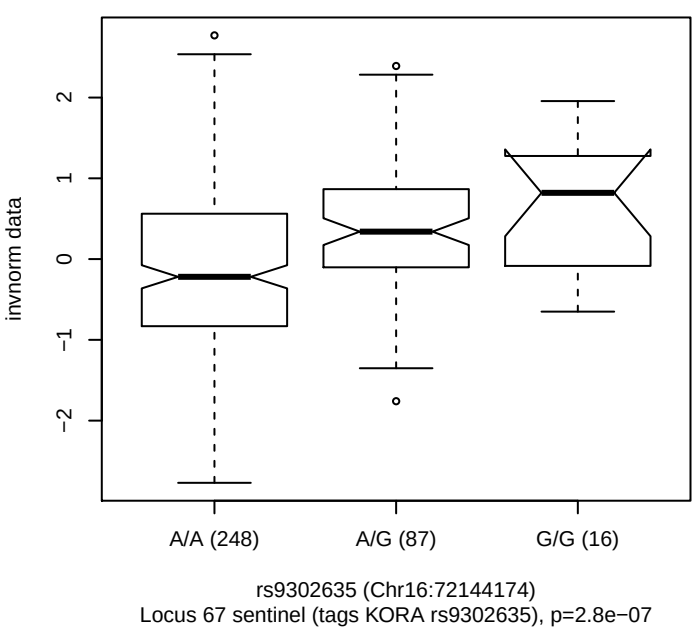
Ferritin (Uniprot: P02794 P02792, ProbeID: 3031−66_1)

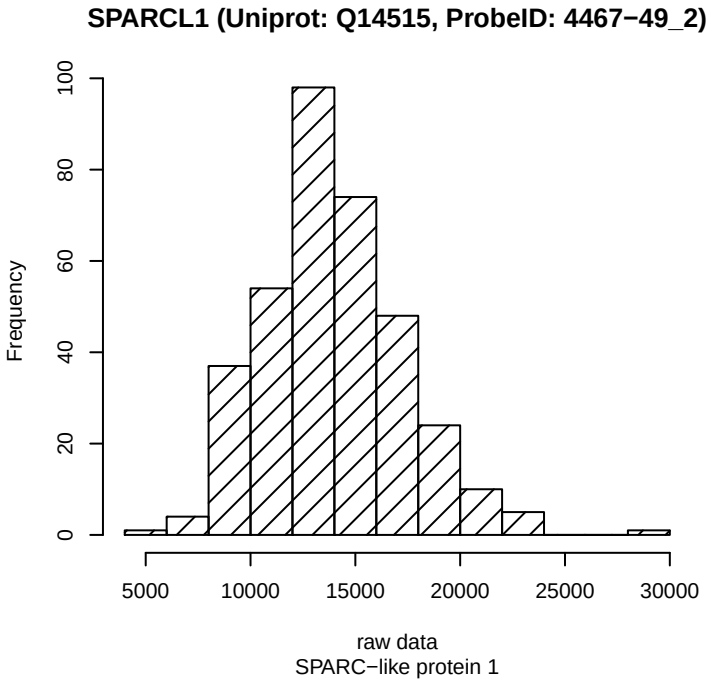


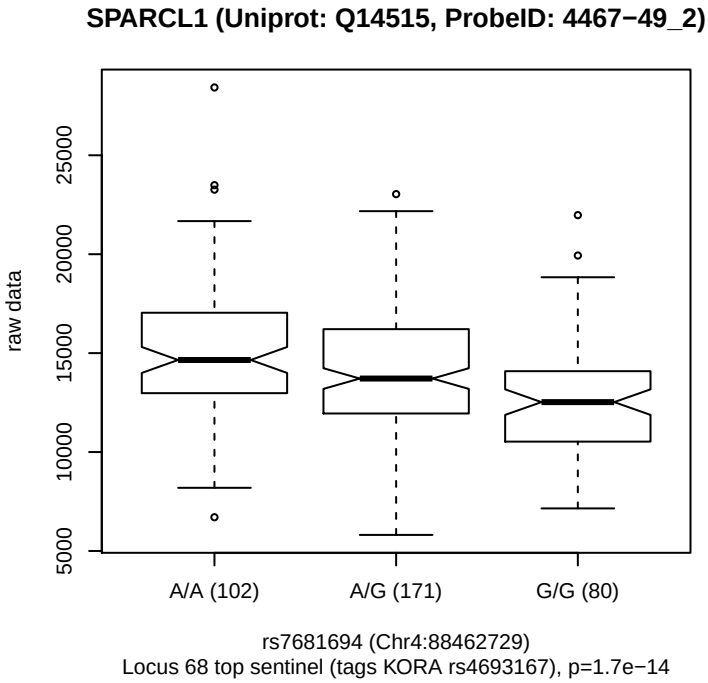
Ferritin (Uniprot: P02794 P02792, ProbeID: 3031−66_1)

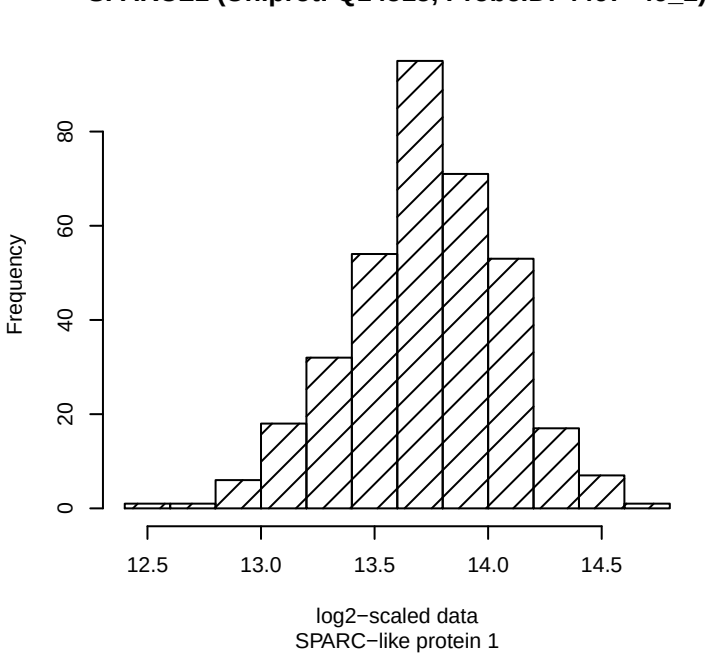


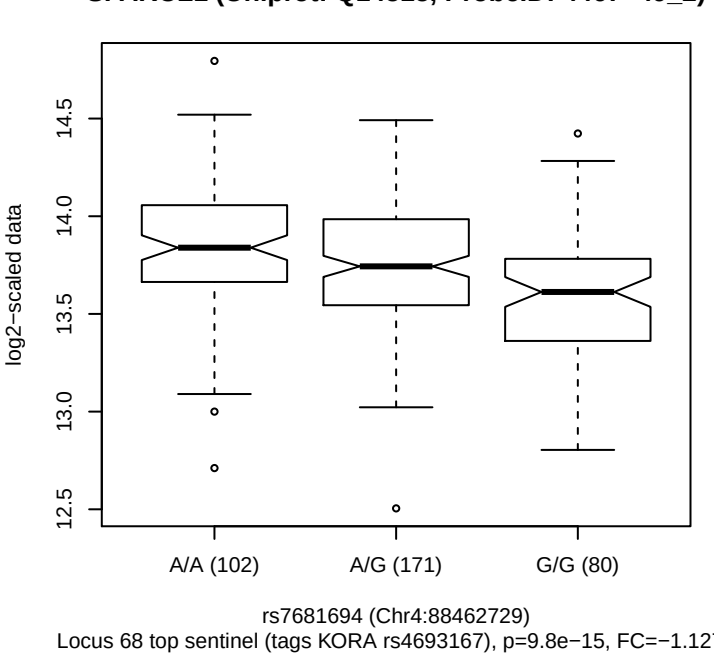
Ferritin (Uniprot: P02794 P02792, ProbeID: 3031−66_1)

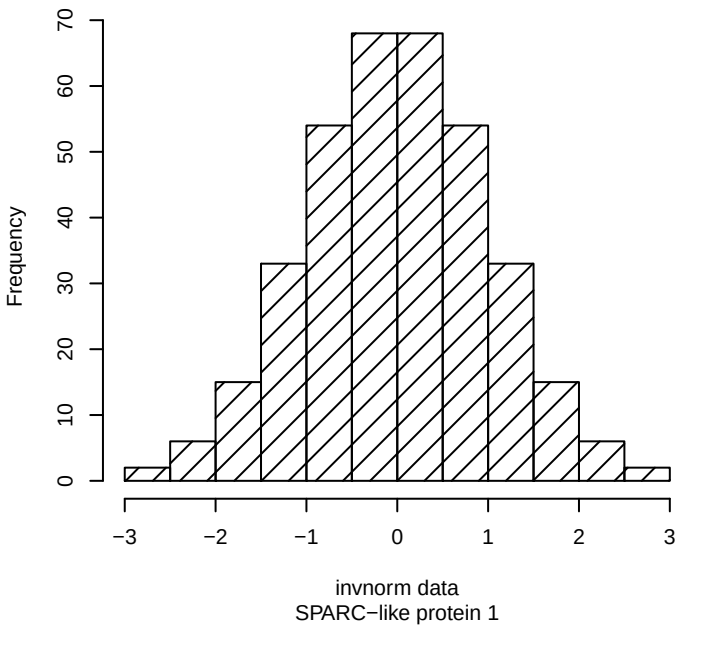


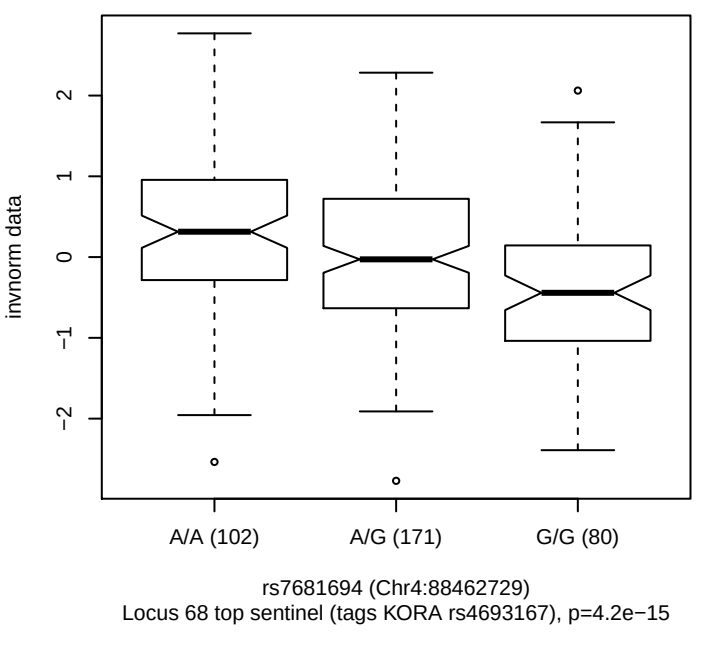

SPARCL1 (Uniprot: Q14515, ProbeID: 4467−49_2)
Frequency
0
20
40
60
80
100
5000
10000
15000
20000
25000
30000
raw data
SPARC−like protein 1

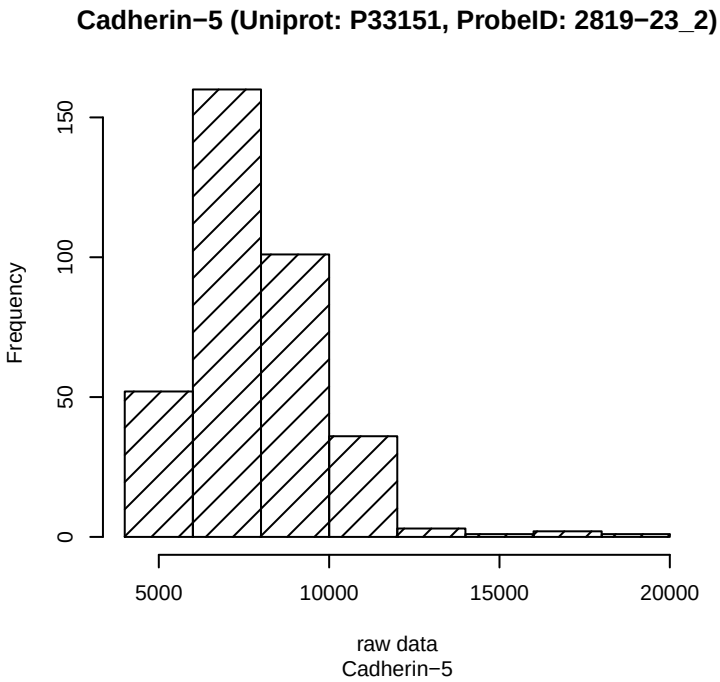

SPARCL1 (Uniprot: Q14515, ProbeID: 4467−49_2)
raw data
5000
10000
15000
20000
25000
A/A (102)
A/G (171)
G/G (80)
rs7681694 (Chr4:88462729)
Locus 68 top sentinel (tags KORA rs4693167), p=1.7e−14

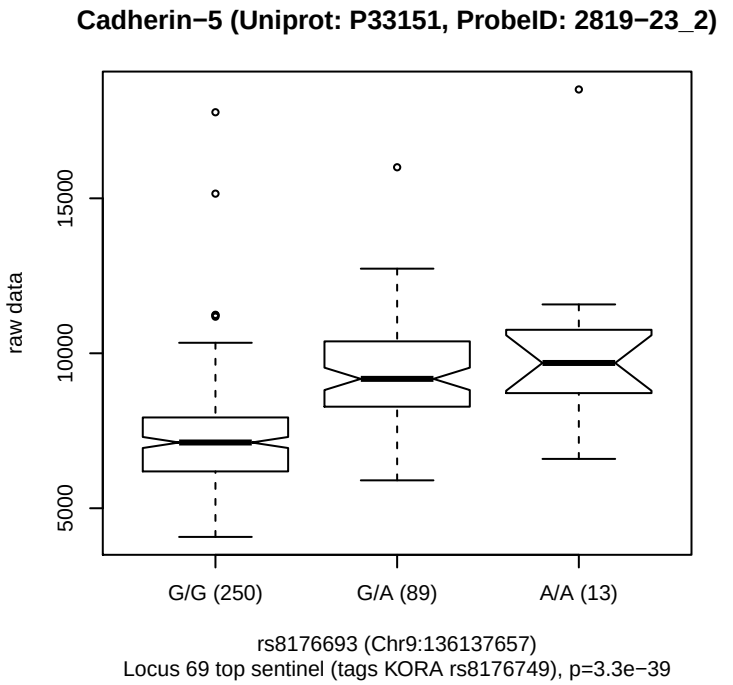

SPARCL1 (Uniprot: Q14515, ProbeID: 4467−49_2)
Frequency
0
20
40
60
80
12.5
13.0
13.5
14.0
14.5
log2−scaled data
SPARC−like protein 1

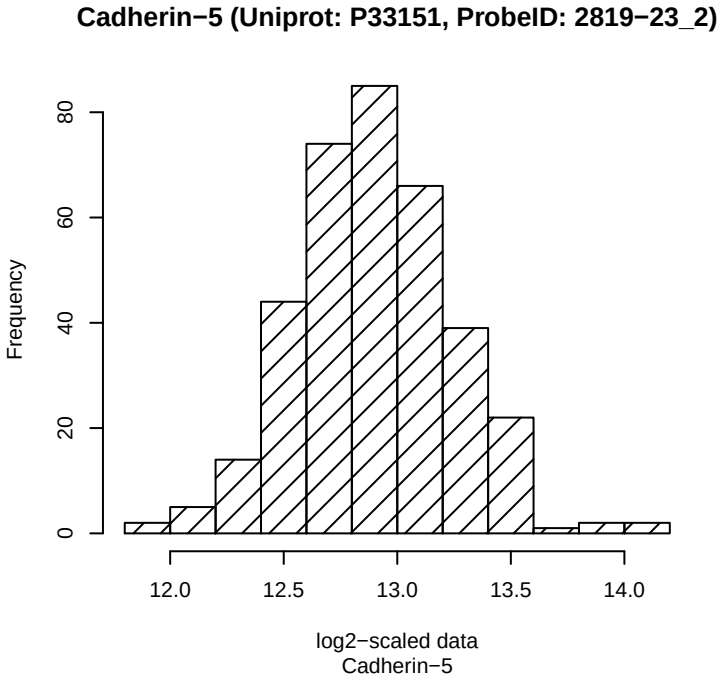

SPARCL1 (Uniprot: Q14515, ProbeID: 4467−49_2)
log2−scaled data
12.5
13.0
13.5
14.0
14.5
A/A (102)
A/G (171)
G/G (80)
rs7681694 (Chr4:88462729)
Locus 68 top sentinel (tags KORA rs4693167), p=9.8e−15, FC=−1.1274

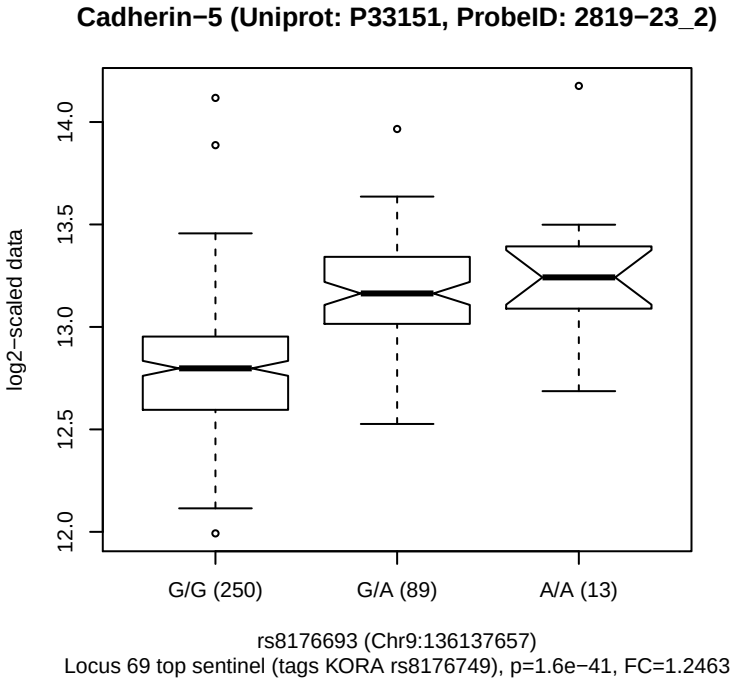

SPARCL1 (Uniprot: Q14515, ProbeID: 4467−49_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
SPARC−like protein 1

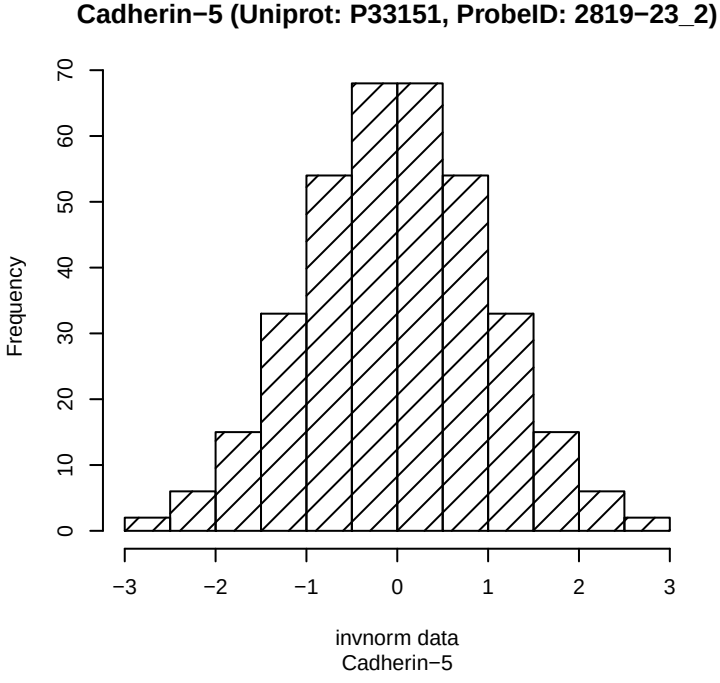

SPARCL1 (Uniprot: Q14515, ProbeID: 4467−49_2)
invnorm data
−2
−1
0
1
2
A/A (102)
A/G (171)
G/G (80)
rs7681694 (Chr4:88462729)
Locus 68 top sentinel (tags KORA rs4693167), p=4.2e−15

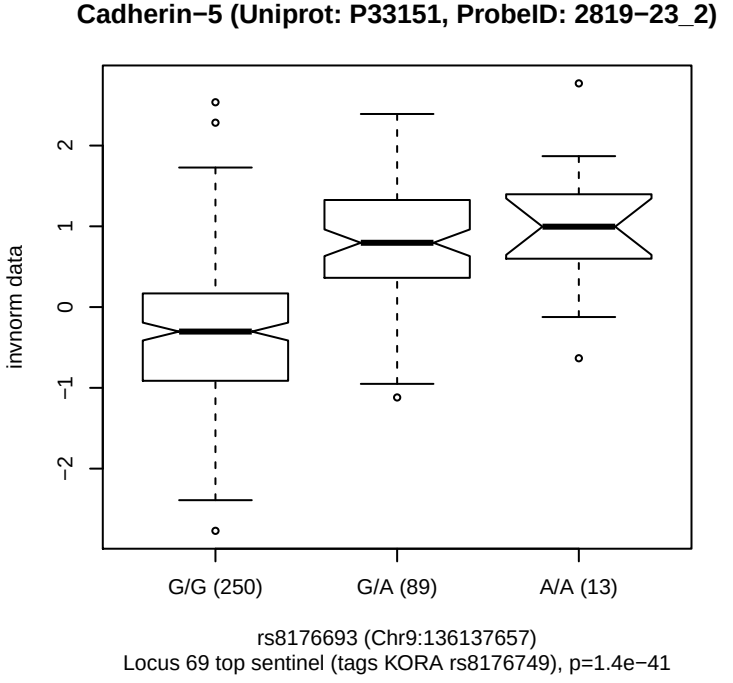

Cadherin−5 (Uniprot: P33151, ProbeID: 2819−23_2)
Frequency
0
50
100
150
5000
10000
15000
20000
raw data
Cadherin−5

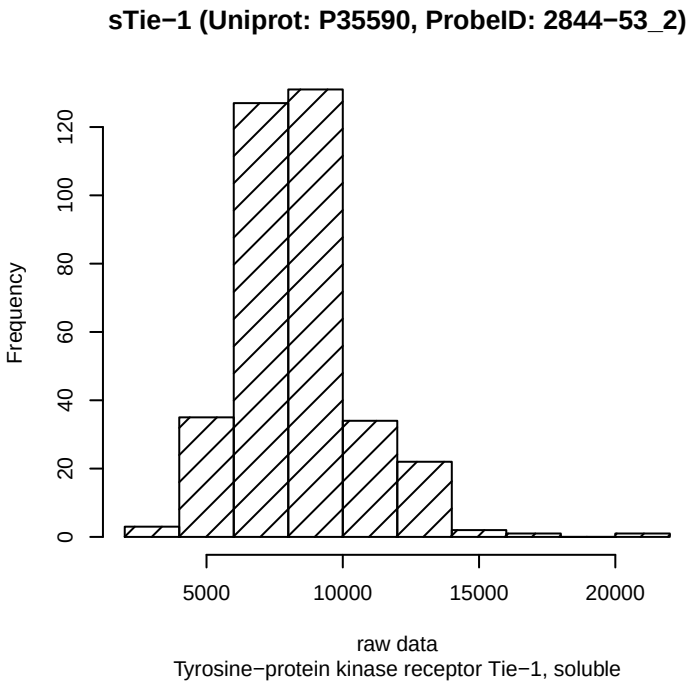

Cadherin−5 (Uniprot: P33151, ProbeID: 2819−23_2)
raw data
5000
10000
15000
G/G (250)
G/A (89)
A/A (13)
rs8176693 (Chr9:136137657)
Locus 69 top sentinel (tags KORA rs8176749), p=3.3e−39

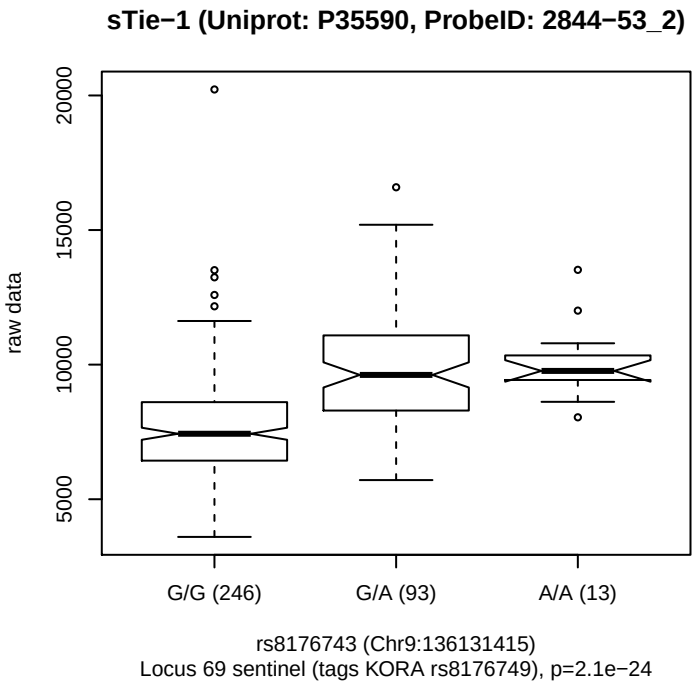

Cadherin−5 (Uniprot: P33151, ProbeID: 2819−23_2)
Frequency
0
20
40
60
80
12.0
12.5
13.0
13.5
14.0
log2−scaled data
Cadherin−5

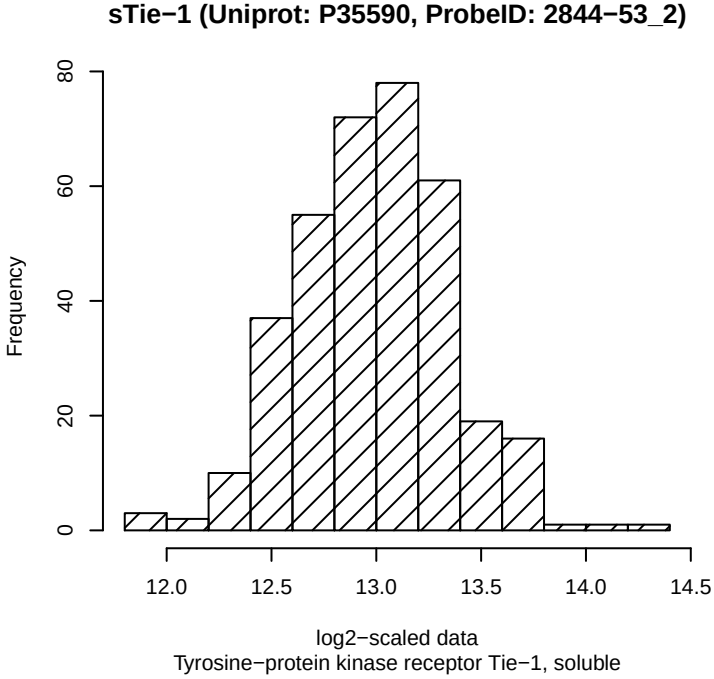

Cadherin−5 (Uniprot: P33151, ProbeID: 2819−23_2)
log2−scaled data
12.0
12.5
13.0
13.5
14.0
G/G (250)
G/A (89)
A/A (13)
rs8176693 (Chr9:136137657)
Locus 69 top sentinel (tags KORA rs8176749), p=1.6e−41, FC=1.2463

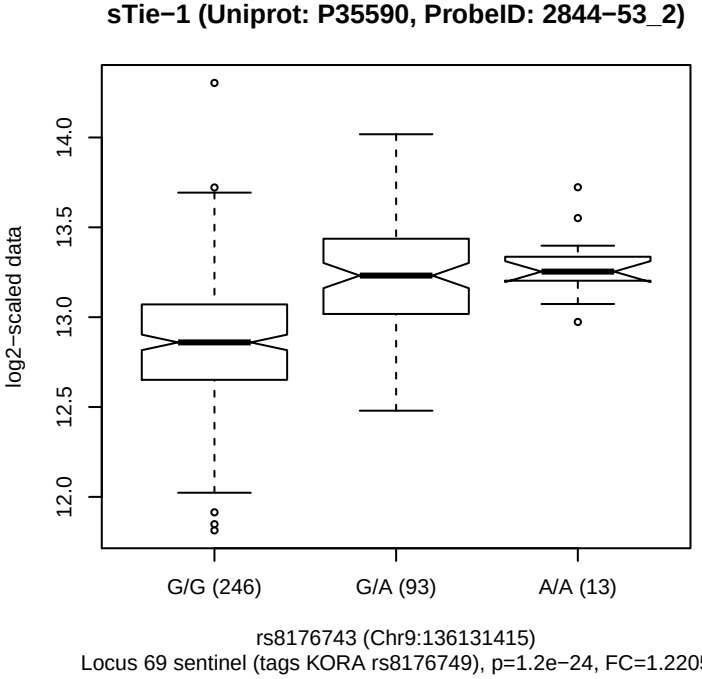

Cadherin−5 (Uniprot: P33151, ProbeID: 2819−23_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Cadherin−5

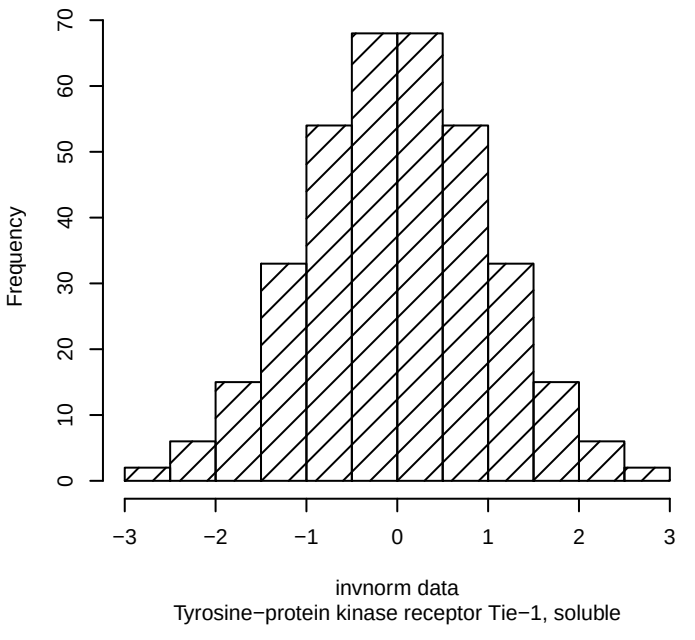

Cadherin−5 (Uniprot: P33151, ProbeID: 2819−23_2)
invnorm data
−2
−1
0
1
2
G/G (250)
G/A (89)
A/A (13)
rs8176693 (Chr9:136137657)
Locus 69 top sentinel (tags KORA rs8176749), p=1.4e−41

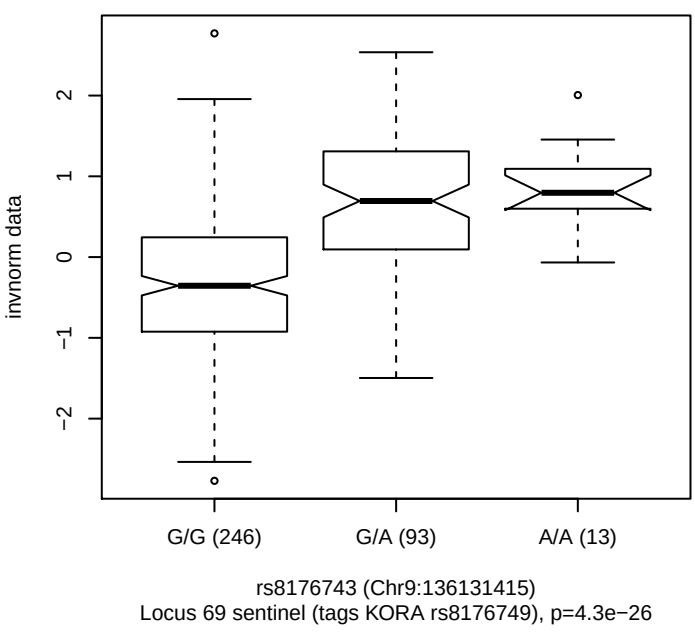

sTie−1 (Uniprot: P35590, ProbeID: 2844−53_2)
Frequency
0
20
40
60
80
100
120
5000
10000
15000
20000
raw data
Tyrosine−protein kinase receptor Tie−1, soluble

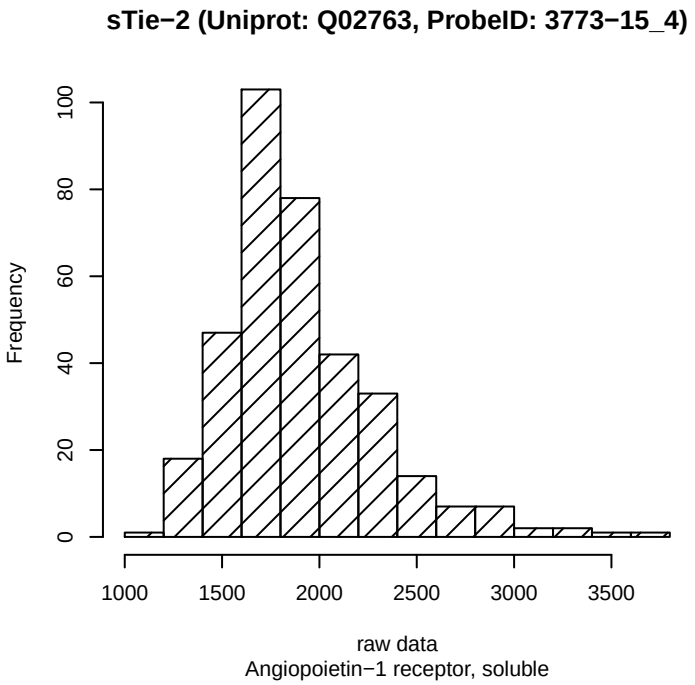

sTie−1 (Uniprot: P35590, ProbeID: 2844−53_2)
raw data
5000
10000
15000
20000
G/G (246)
G/A (93)
A/A (13)
rs8176743 (Chr9:136131415)
Locus 69 sentinel (tags KORA rs8176749), p=2.1e−24

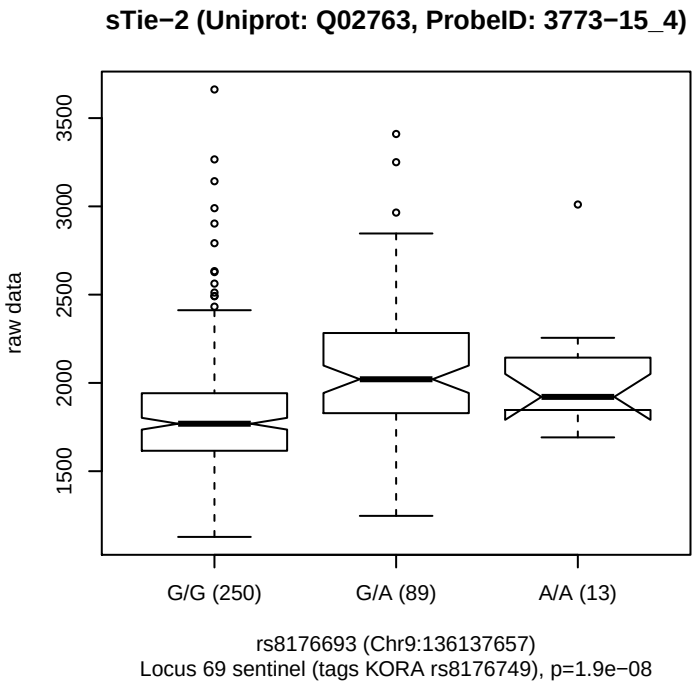

sTie−1 (Uniprot: P35590, ProbeID: 2844−53_2)
Frequency
0
20
40
60
80
12.0
12.5
13.0
13.5
14.0
14.5
log2−scaled data
Tyrosine−protein kinase receptor Tie−1, soluble

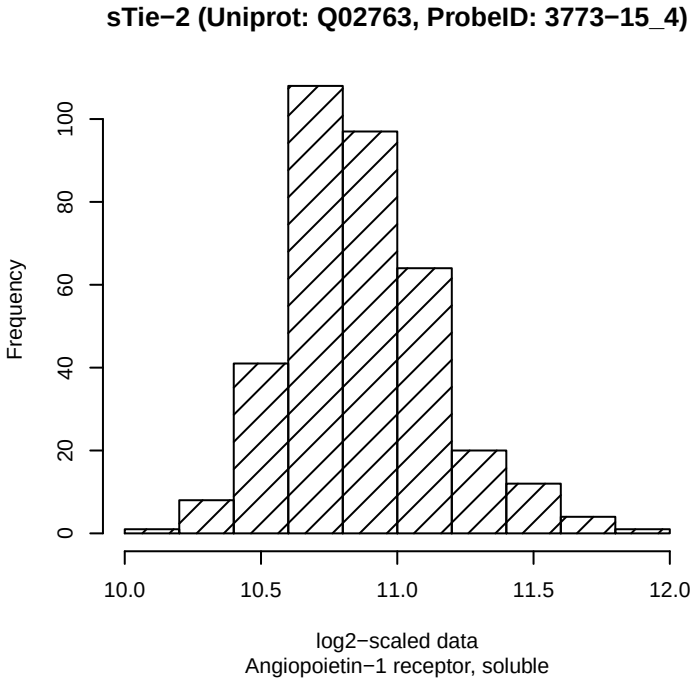

sTie−1 (Uniprot: P35590, ProbeID: 2844−53_2)
log2−scaled data
12.0
12.5
13.0
13.5
14.0
G/G (246)
G/A (93)
A/A (13)
rs8176743 (Chr9:136131415)
Locus 69 sentinel (tags KORA rs8176749), p=1.2e−24, FC=1.2205

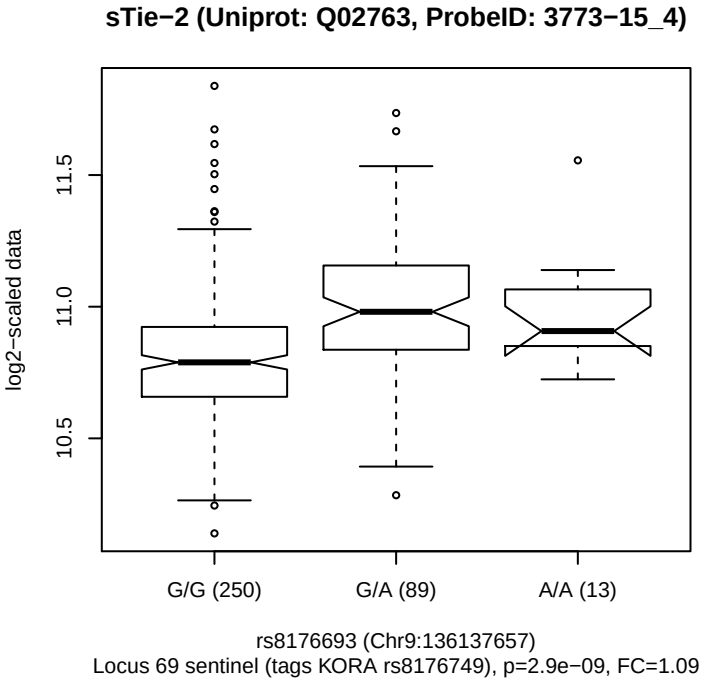

sTie−1 (Uniprot: P35590, ProbeID: 2844−53_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Tyrosine−protein kinase receptor Tie−1, soluble

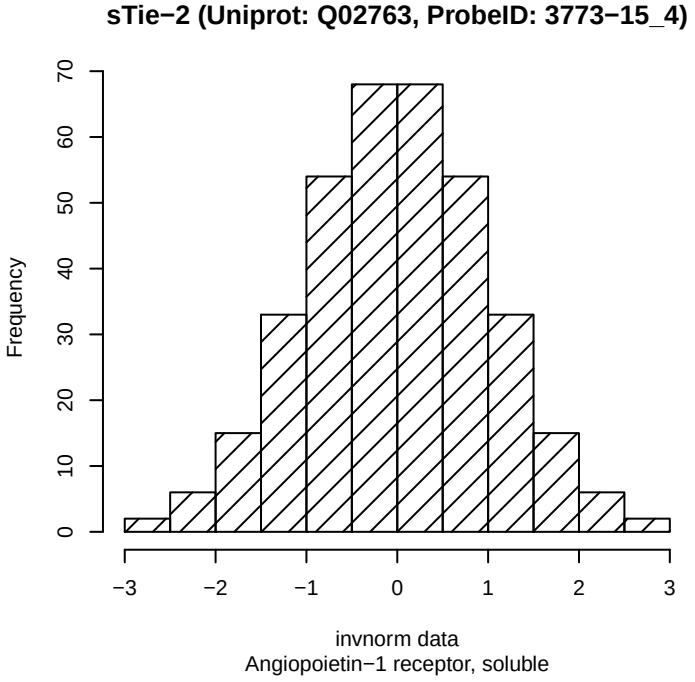

sTie−1 (Uniprot: P35590, ProbeID: 2844−53_2)
invnorm data
−2
−1
0
1
2
G/G (246)
G/A (93)
A/A (13)
rs8176743 (Chr9:136131415)
Locus 69 sentinel (tags KORA rs8176749), p=4.3e−26

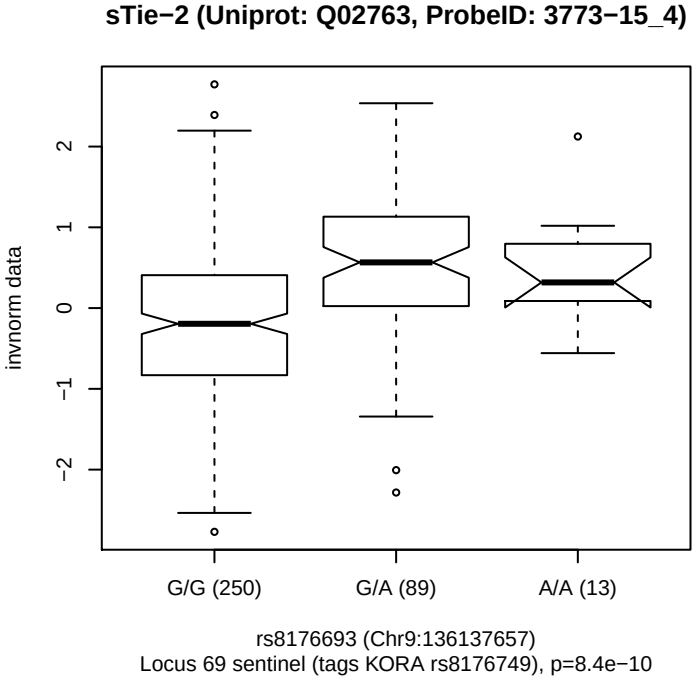

sTie−2 (Uniprot: Q02763, ProbeID: 3773−15_4)
Frequency
0
20
40
60
80
100
1000
1500
2000
2500
3000
3500
raw data
Angiopoietin−1 receptor, soluble

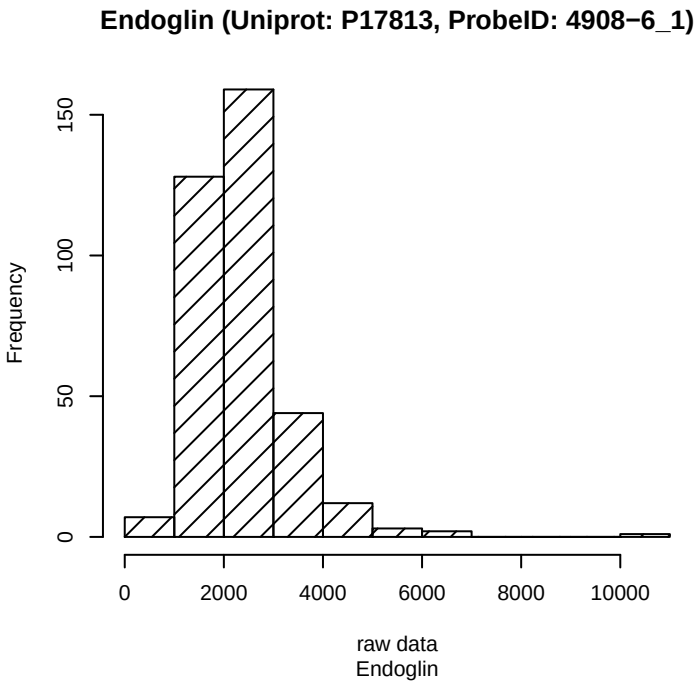

sTie−2 (Uniprot: Q02763, ProbeID: 3773−15_4)
raw data
1500
2000
2500
3000
3500
G/G (250)
G/A (89)
A/A (13)
rs8176693 (Chr9:136137657)
Locus 69 sentinel (tags KORA rs8176749), p=1.9e−08

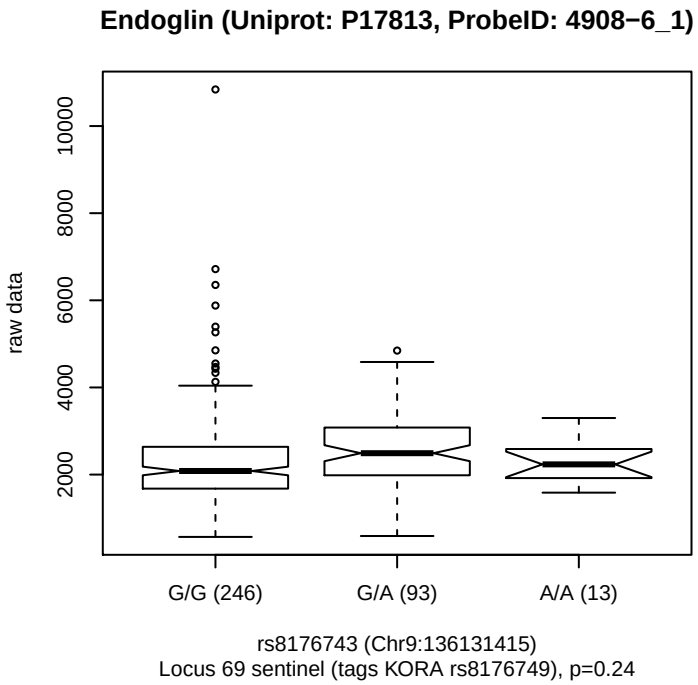

sTie−2 (Uniprot: Q02763, ProbeID: 3773−15_4)
Frequency
0
20
40
60
80
100
10.0
10.5
11.0
11.5
12.0
log2−scaled data
Angiopoietin−1 receptor, soluble

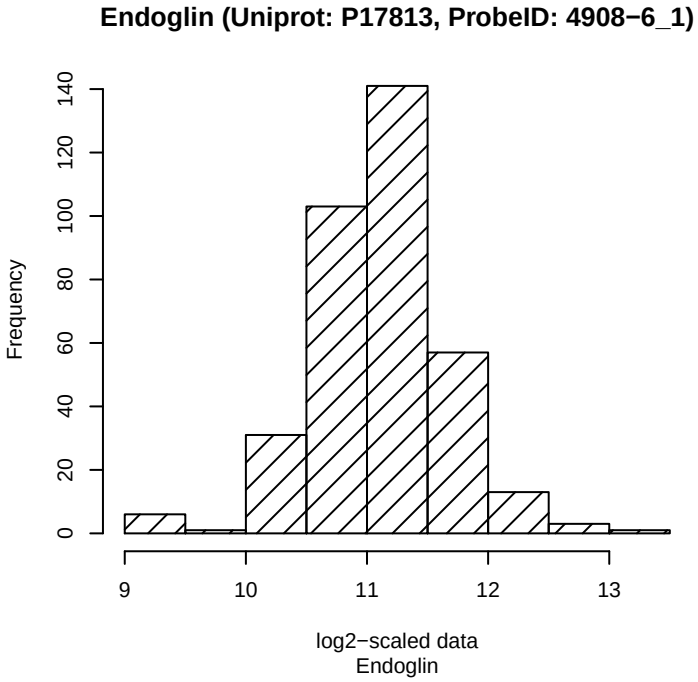

sTie−2 (Uniprot: Q02763, ProbeID: 3773−15_4)
log2−scaled data
10.5
11.0
11.5
G/G (250)
G/A (89)
A/A (13)
rs8176693 (Chr9:136137657)
Locus 69 sentinel (tags KORA rs8176749), p=2.9e−09, FC=1.09

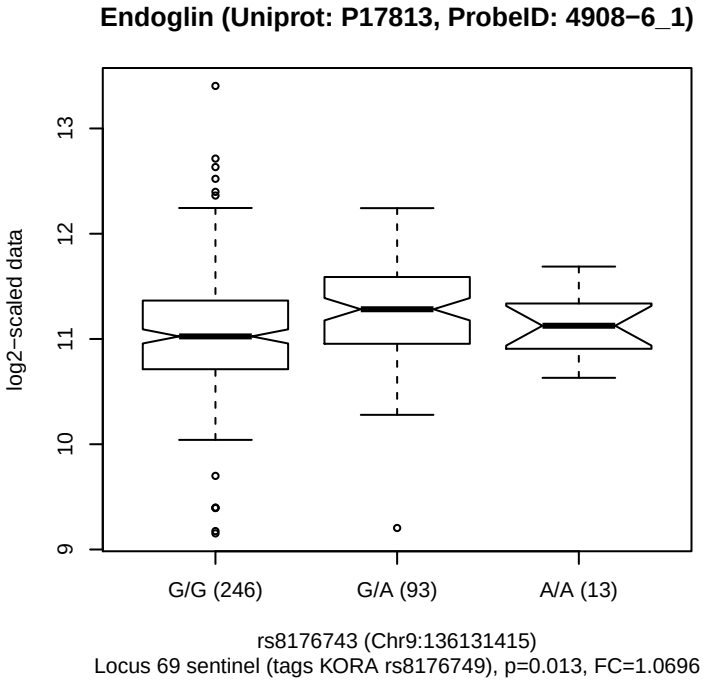

sTie−2 (Uniprot: Q02763, ProbeID: 3773−15_4)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Angiopoietin−1 receptor, soluble

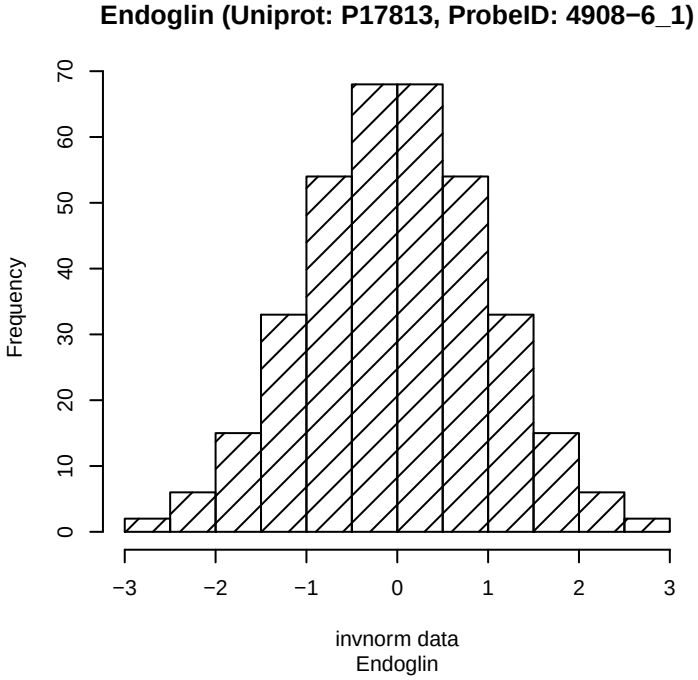

sTie−2 (Uniprot: Q02763, ProbeID: 3773−15_4)
invnorm data
−2
−1
0
1
2
G/G (250)
G/A (89)
A/A (13)
rs8176693 (Chr9:136137657)
Locus 69 sentinel (tags KORA rs8176749), p=8.4e−10

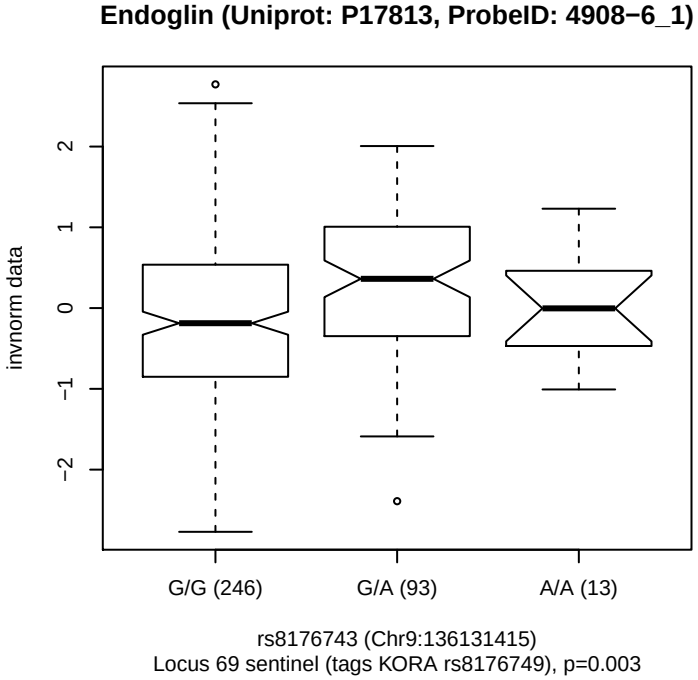

Endoglin (Uniprot: P17813, ProbeID: 4908−6_1)
Frequency
0
50
100
150
0
2000
4000
6000
8000
10000
raw data
Endoglin

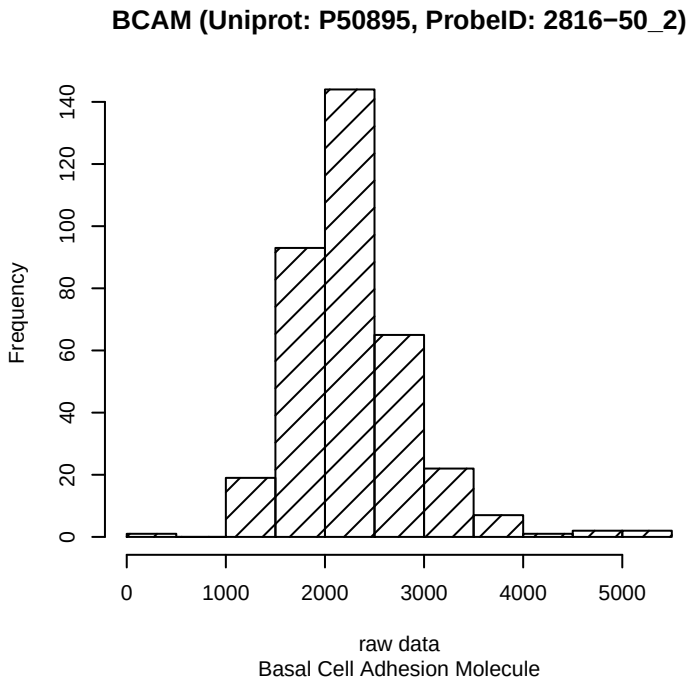

Endoglin (Uniprot: P17813, ProbeID: 4908−6_1)
raw data
2000
4000
6000
8000
10000
G/G (246)
G/A (93)
A/A (13)
rs8176743 (Chr9:136131415)
Locus 69 sentinel (tags KORA rs8176749), p=0.24

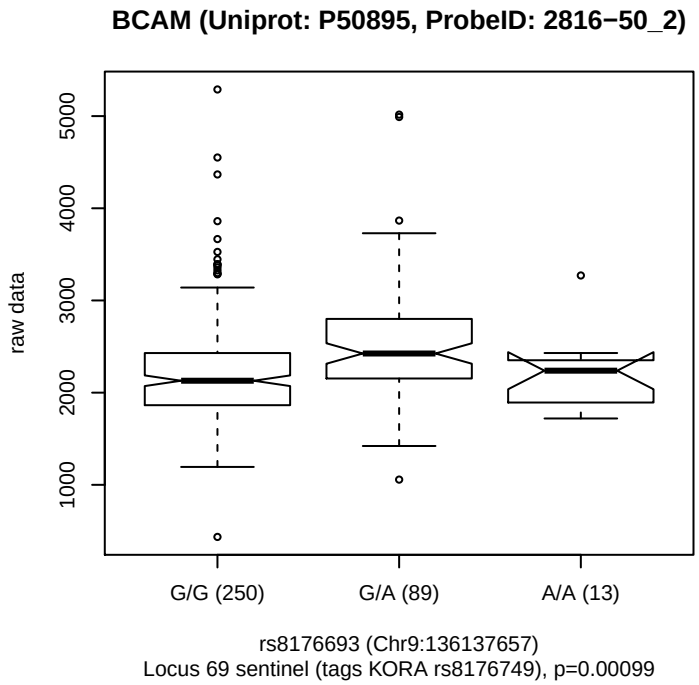

Endoglin (Uniprot: P17813, ProbeID: 4908−6_1)
Frequency
0
20
40
60
80
100
120
140
9
10
11
12
13
log2−scaled data
Endoglin

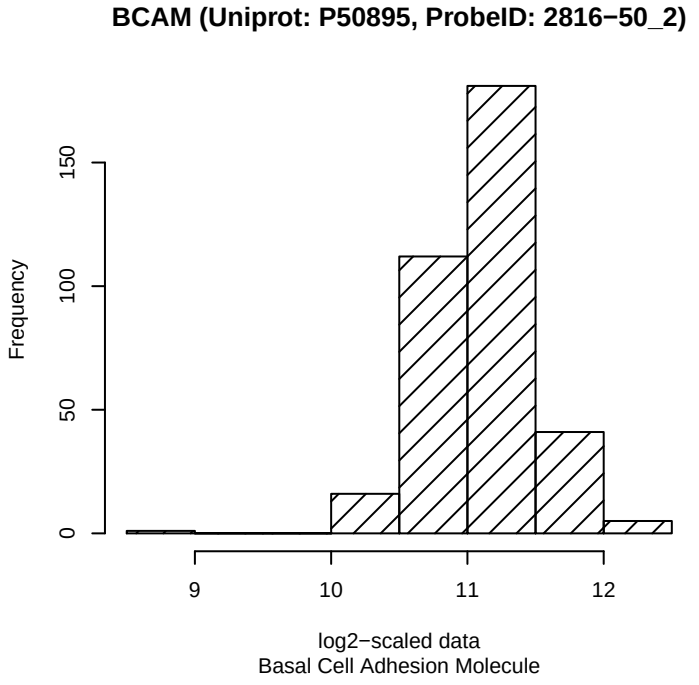

Endoglin (Uniprot: P17813, ProbeID: 4908−6_1)
log2−scaled data
9
10
11
12
13
G/G (246)
G/A (93)
A/A (13)
rs8176743 (Chr9:136131415)
Locus 69 sentinel (tags KORA rs8176749), p=0.013, FC=1.0696

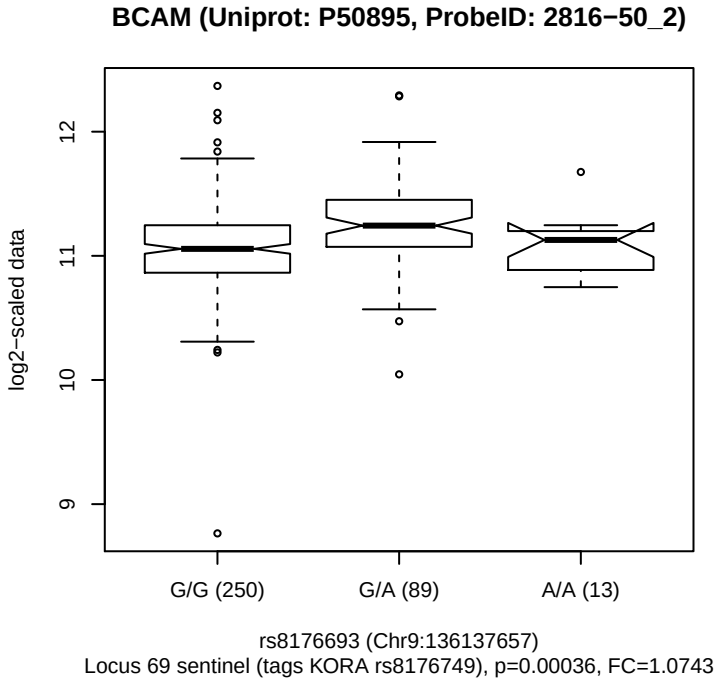

Endoglin (Uniprot: P17813, ProbeID: 4908−6_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Endoglin

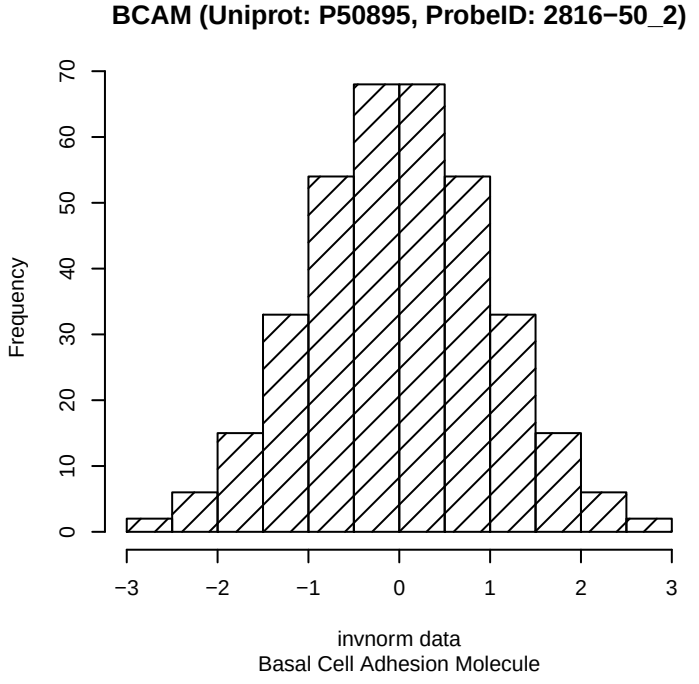

Endoglin (Uniprot: P17813, ProbeID: 4908−6_1)
invnorm data
−2
−1
0
1
2
G/G (246)
G/A (93)
A/A (13)
rs8176743 (Chr9:136131415)
Locus 69 sentinel (tags KORA rs8176749), p=0.003

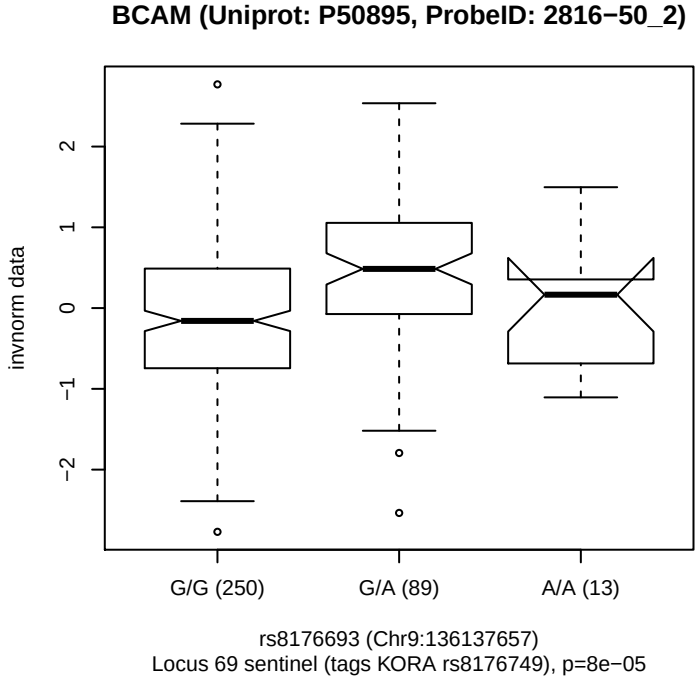

BCAM (Uniprot: P50895, ProbeID: 2816−50_2)
Frequency
0
20
40
60
80
100
120
140
0
1000
2000
3000
4000
5000
raw data
Basal Cell Adhesion Molecule

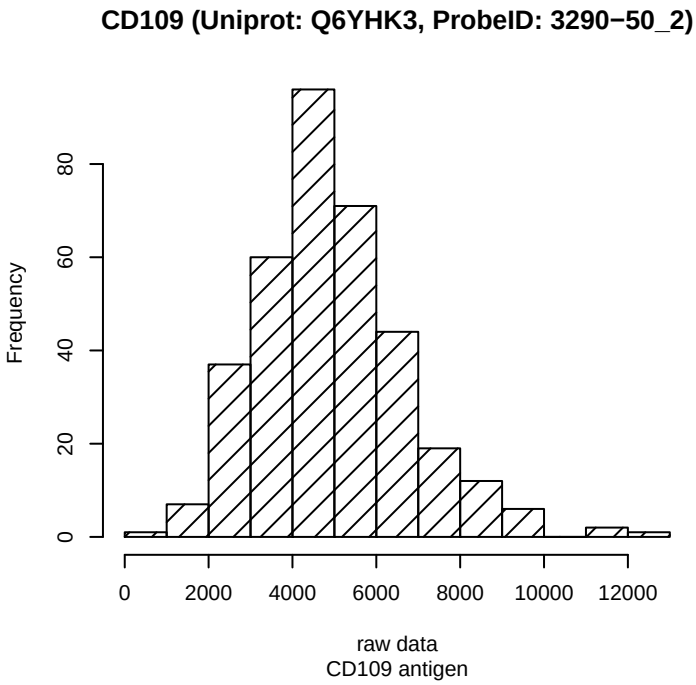

BCAM (Uniprot: P50895, ProbeID: 2816−50_2)
raw data
1000
2000
3000
4000
5000
G/G (250)
G/A (89)
A/A (13)
rs8176693 (Chr9:136137657)
Locus 69 sentinel (tags KORA rs8176749), p=0.00099

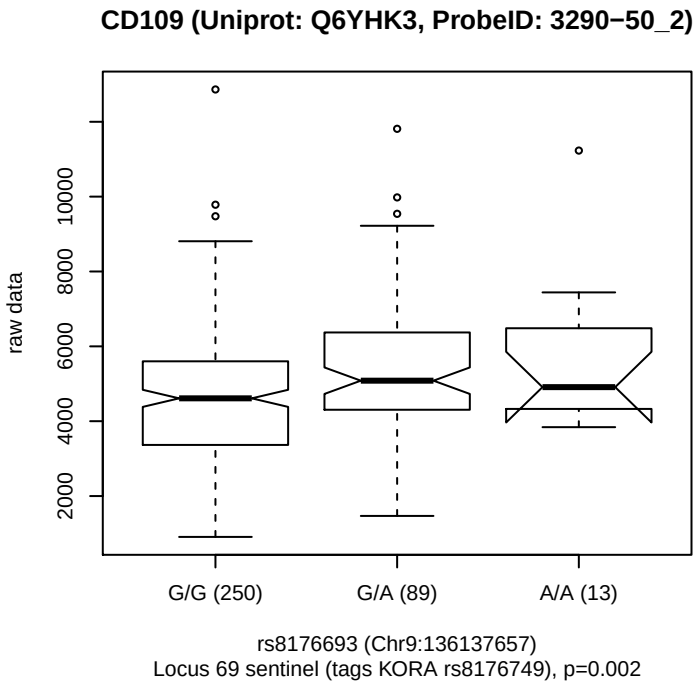

BCAM (Uniprot: P50895, ProbeID: 2816−50_2)
Frequency
0
50
100
150
9
10
11
12
log2−scaled data
Basal Cell Adhesion Molecule

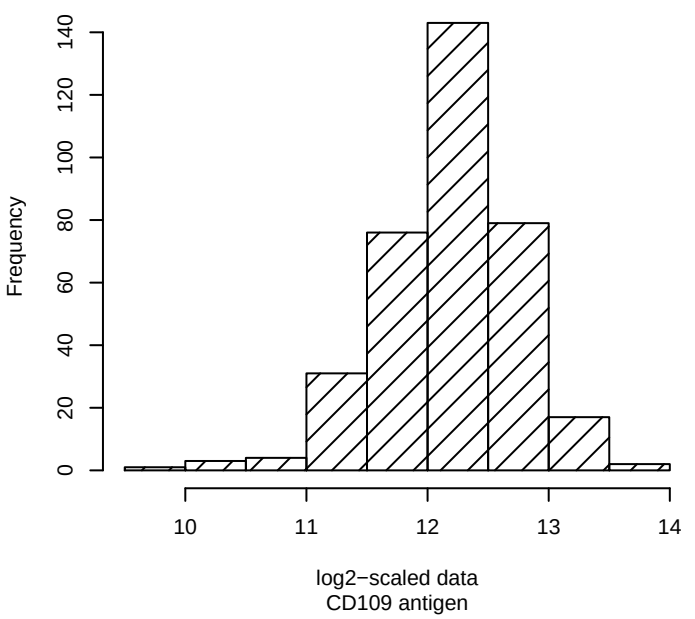

BCAM (Uniprot: P50895, ProbeID: 2816−50_2)
log2−scaled data
9
10
11
12
G/G (250)
G/A (89)
A/A (13)
rs8176693 (Chr9:136137657)
Locus 69 sentinel (tags KORA rs8176749), p=0.00036, FC=1.0743

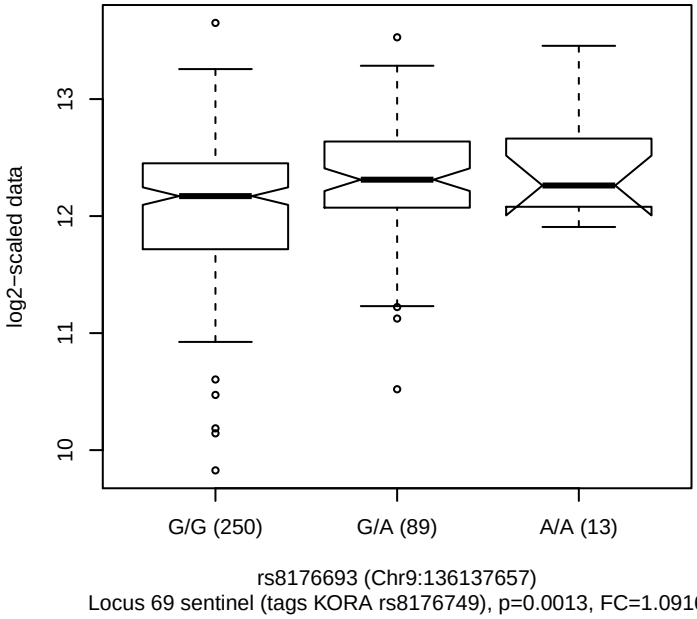

BCAM (Uniprot: P50895, ProbeID: 2816−50_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Basal Cell Adhesion Molecule

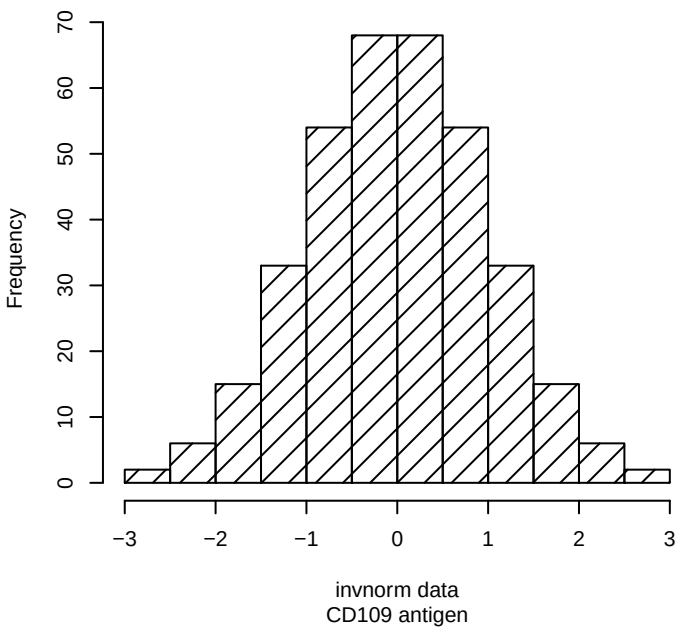

BCAM (Uniprot: P50895, ProbeID: 2816−50_2)
invnorm data
−2
−1
0
1
2
G/G (250)
G/A (89)
A/A (13)
rs8176693 (Chr9:136137657)
Locus 69 sentinel (tags KORA rs8176749), p=8e−05

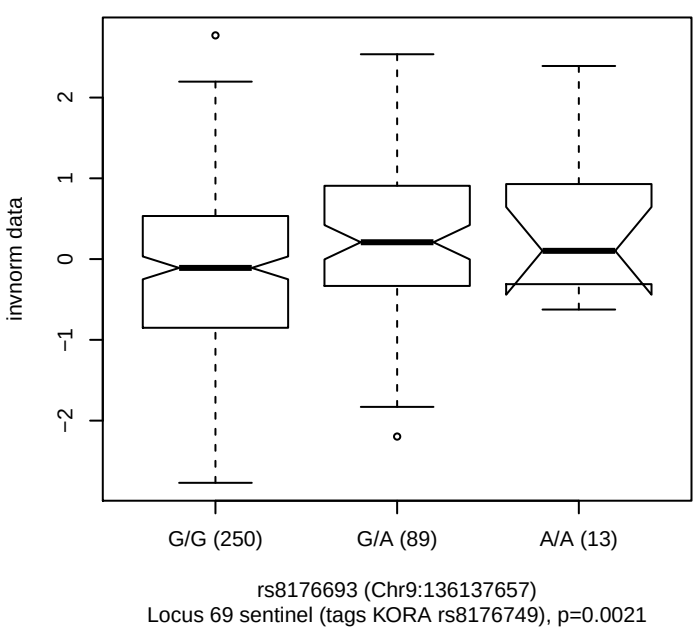

CD109 (Uniprot: Q6YHK3, ProbeID: 3290−50_2)
Frequency
0
20
40
60
80
0
2000
4000
6000
8000
10000
12000
raw data
CD109 antigen

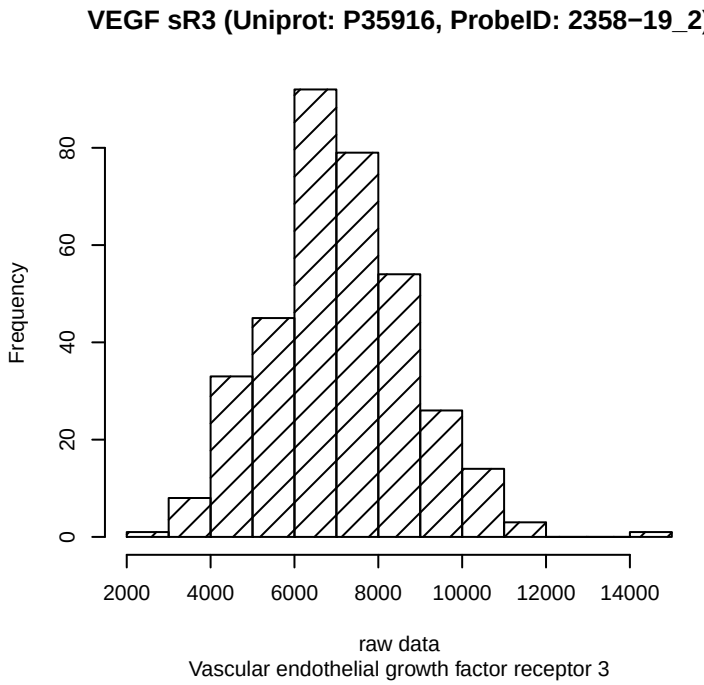

CD109 (Uniprot: Q6YHK3, ProbeID: 3290−50_2)
raw data
2000
4000
6000
8000
10000
G/G (250)
G/A (89)
A/A (13)
rs8176693 (Chr9:136137657)
Locus 69 sentinel (tags KORA rs8176749), p=0.002

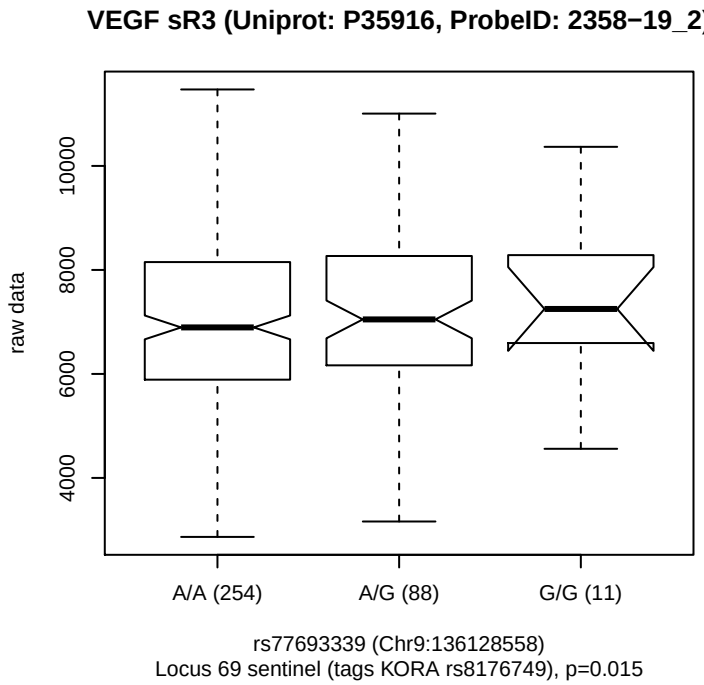

CD109 (Uniprot: Q6YHK3, ProbeID: 3290−50_2)
Frequency
0
20
40
60
80
100
120
140
10
11
12
13
14
log2−scaled data
CD109 antigen

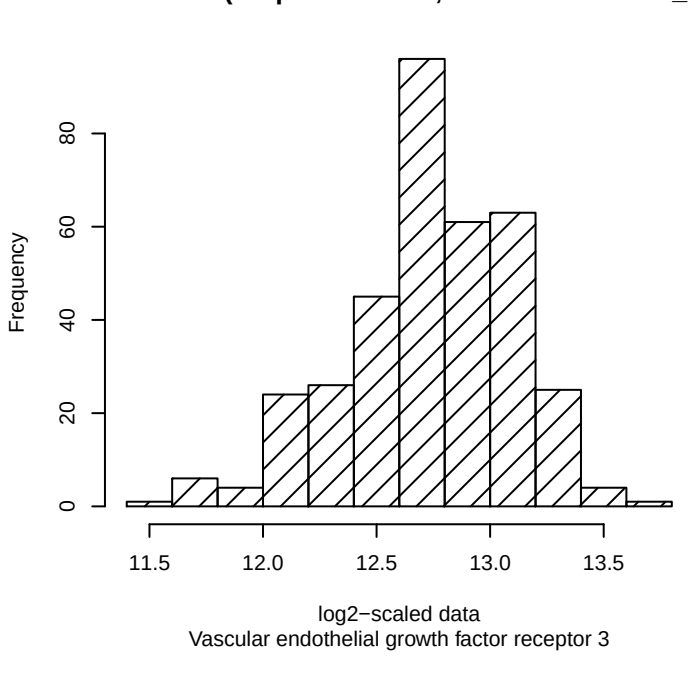

CD109 (Uniprot: Q6YHK3, ProbeID: 3290−50_2)
log2−scaled data
10
11
12
13
G/G (250)
G/A (89)
A/A (13)
rs8176693 (Chr9:136137657)
Locus 69 sentinel (tags KORA rs8176749), p=0.0013, FC=1.0916

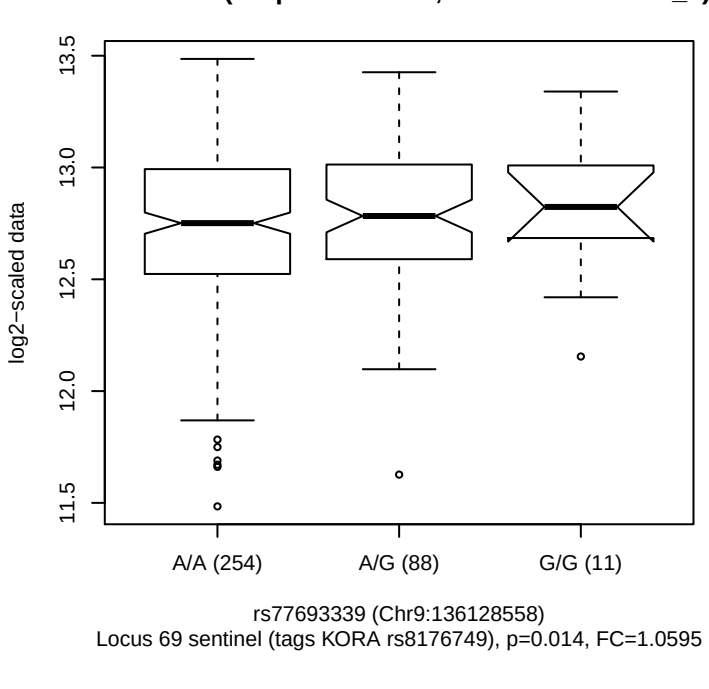

CD109 (Uniprot: Q6YHK3, ProbeID: 3290−50_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
CD109 antigen

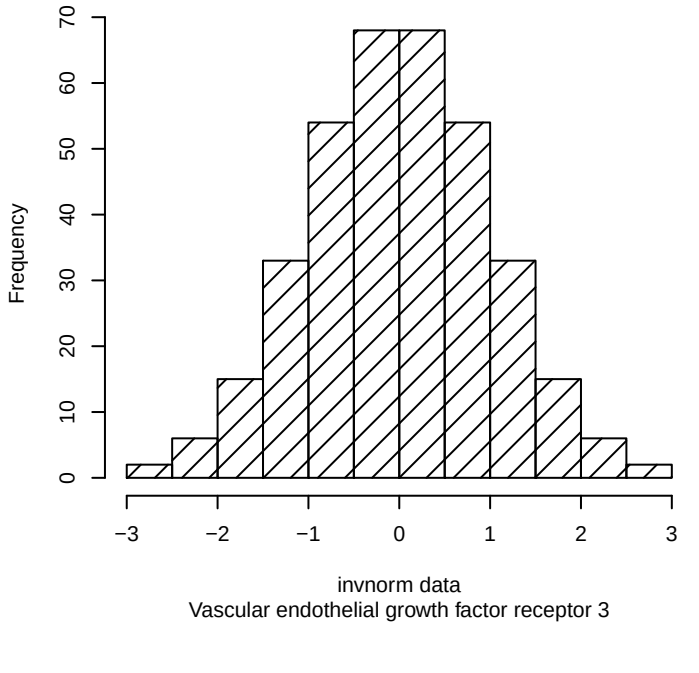

CD109 (Uniprot: Q6YHK3, ProbeID: 3290−50_2)
invnorm data
−2
−1
0
1
2
G/G (250)
G/A (89)
A/A (13)
rs8176693 (Chr9:136137657)
Locus 69 sentinel (tags KORA rs8176749), p=0.0021

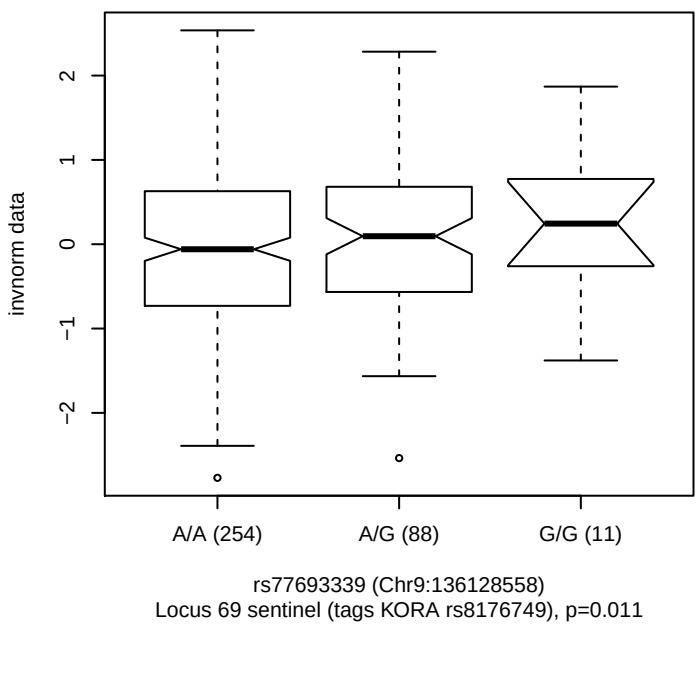

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
Frequency
0
20
40
60
80
2000
4000
6000
8000
10000
12000
14000
raw data
Vascular endothelial growth factor receptor 3

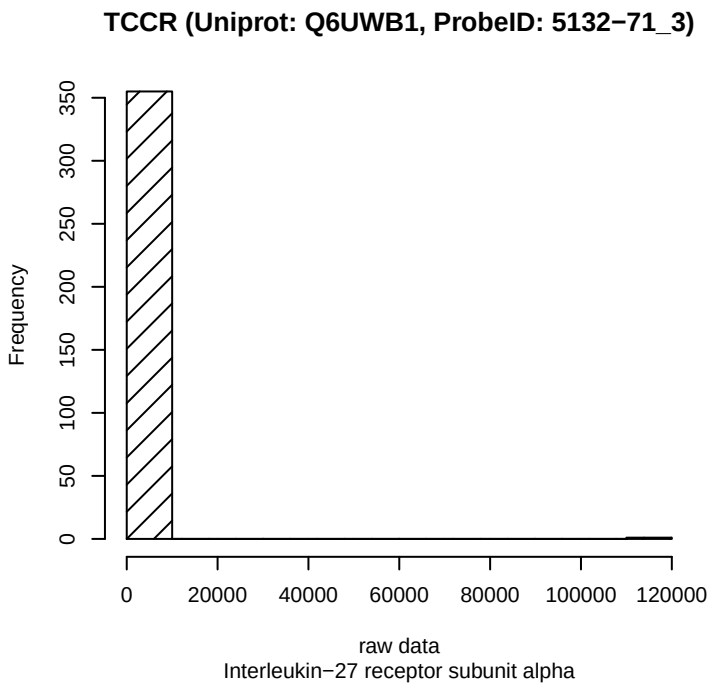

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
raw data
4000
6000
8000
10000
A/A (254)
A/G (88)
G/G (11)
rs77693339 (Chr9:136128558)
Locus 69 sentinel (tags KORA rs8176749), p=0.015

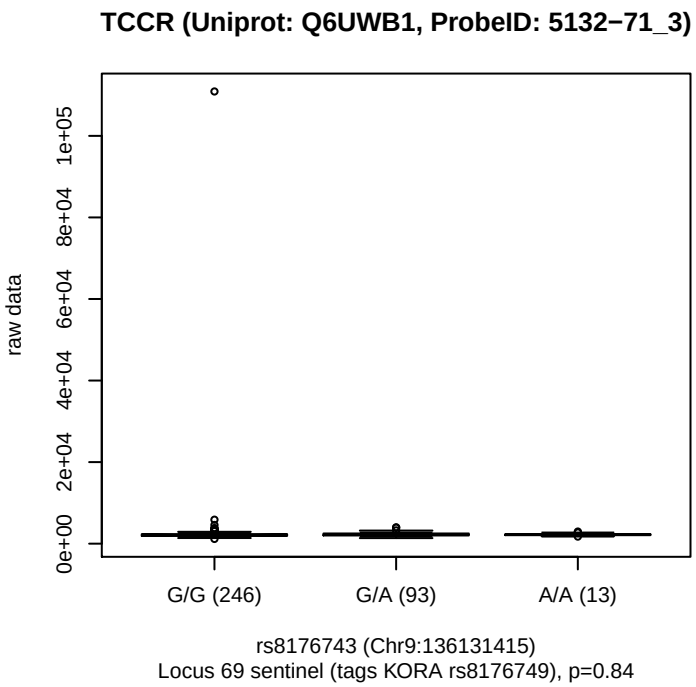

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
Frequency
0
20
40
60
80
11.5
12.0
12.5
13.0
13.5
log2−scaled data
Vascular endothelial growth factor receptor 3

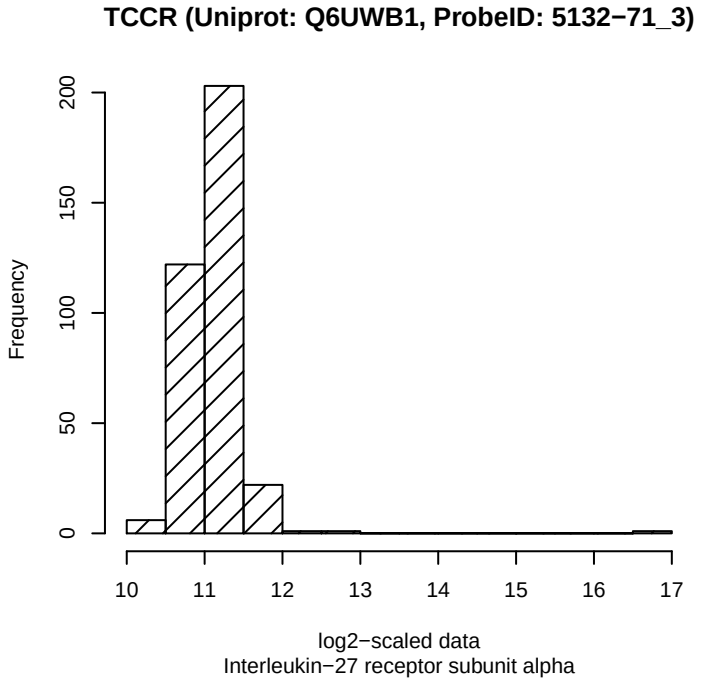

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
log2−scaled data
11.5
12.0
12.5
13.0
13.5
A/A (254)
A/G (88)
G/G (11)
rs77693339 (Chr9:136128558)
Locus 69 sentinel (tags KORA rs8176749), p=0.014, FC=1.0595

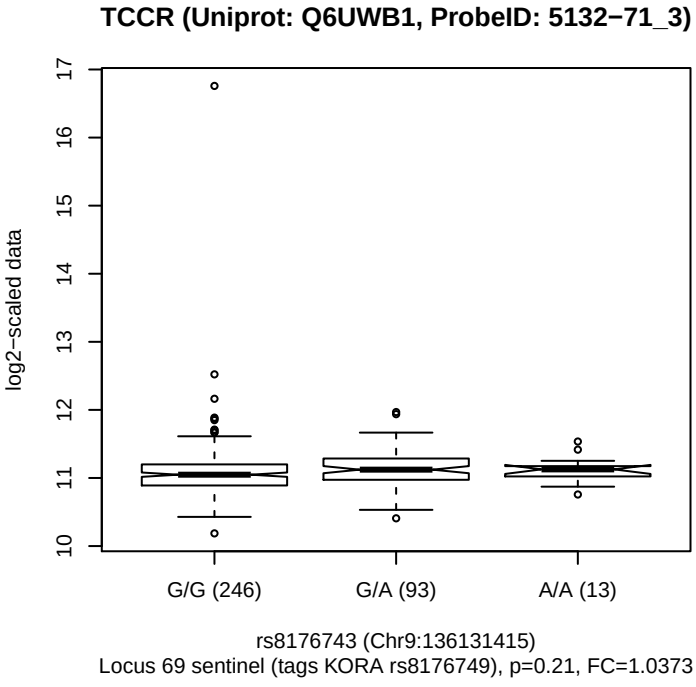

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Vascular endothelial growth factor receptor 3

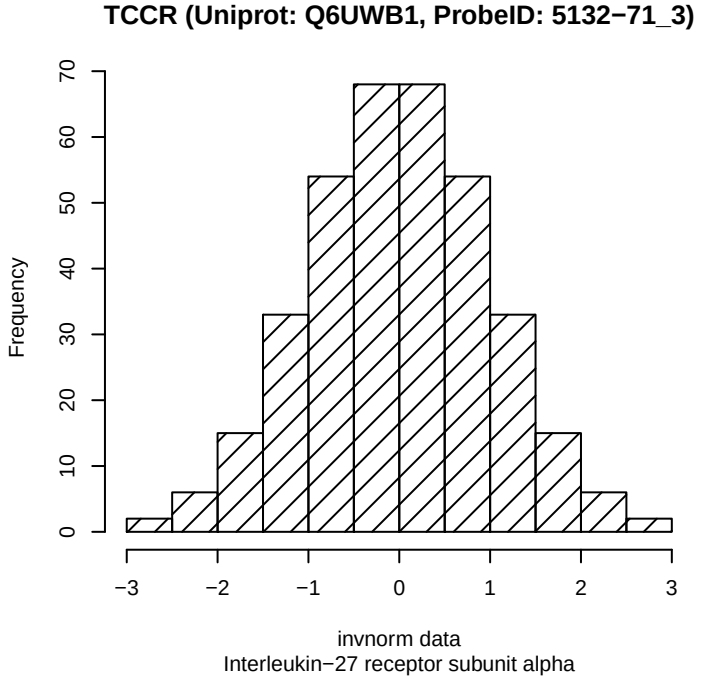

VEGF sR3 (Uniprot: P35916, ProbeID: 2358−19_2)
invnorm data
−2
−1
0
1
2
A/A (254)
A/G (88)
G/G (11)
rs77693339 (Chr9:136128558)
Locus 69 sentinel (tags KORA rs8176749), p=0.011

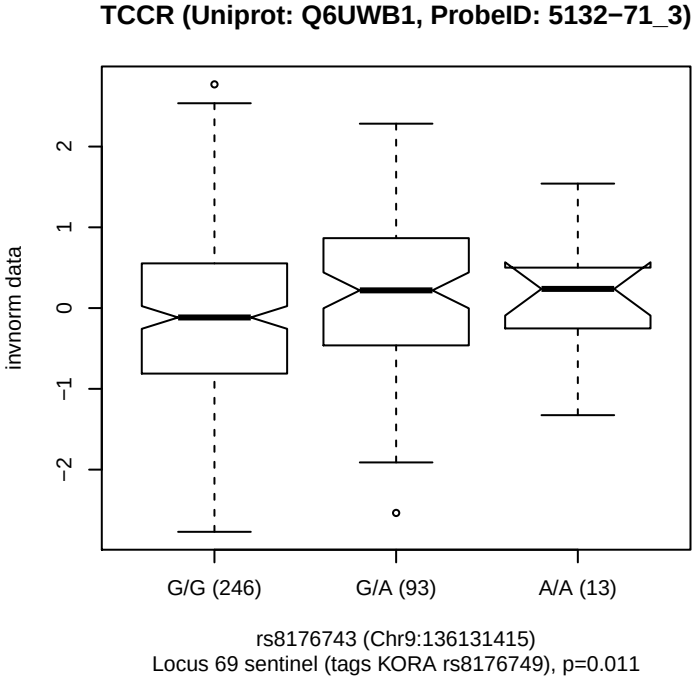

TCCR (Uniprot: Q6UWB1, ProbeID: 5132−71_3)
Frequency
0
50
100
150
200
250
300
350
0
20000
40000
60000
80000
100000
120000
raw data
Interleukin−27 receptor subunit alpha

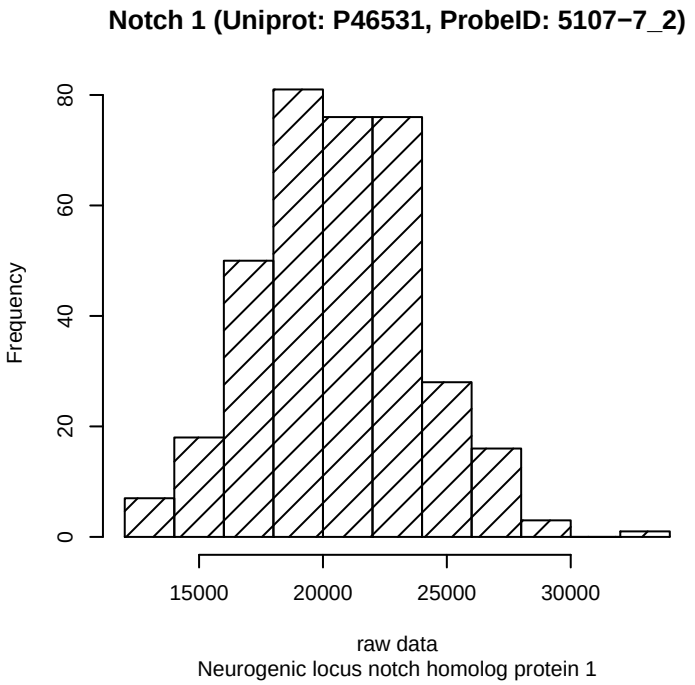

TCCR (Uniprot: Q6UWB1, ProbeID: 5132−71_3)
raw data
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
G/G (246)
G/A (93)
A/A (13)
rs8176743 (Chr9:136131415)
Locus 69 sentinel (tags KORA rs8176749), p=0.84

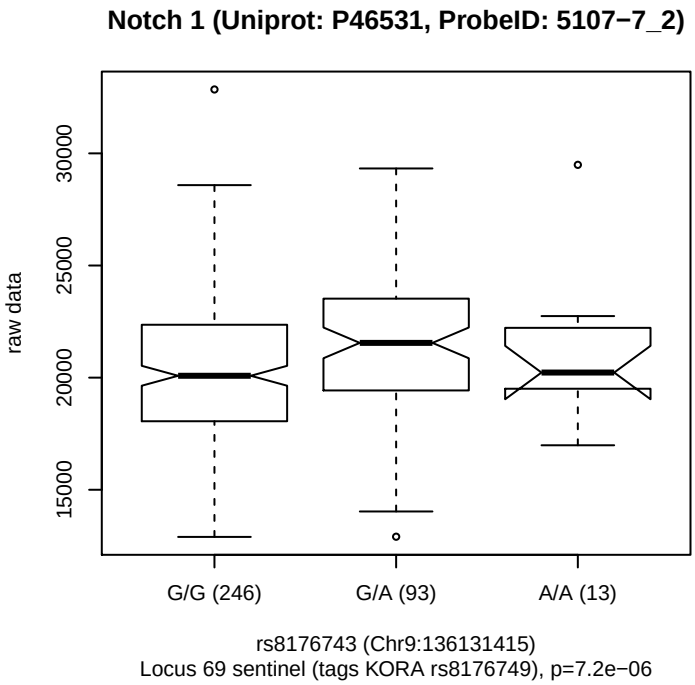

TCCR (Uniprot: Q6UWB1, ProbeID: 5132−71_3)
Frequency
0
50
100
150
200
10
11
12
13
14
15
16
17
log2−scaled data
Interleukin−27 receptor subunit alpha

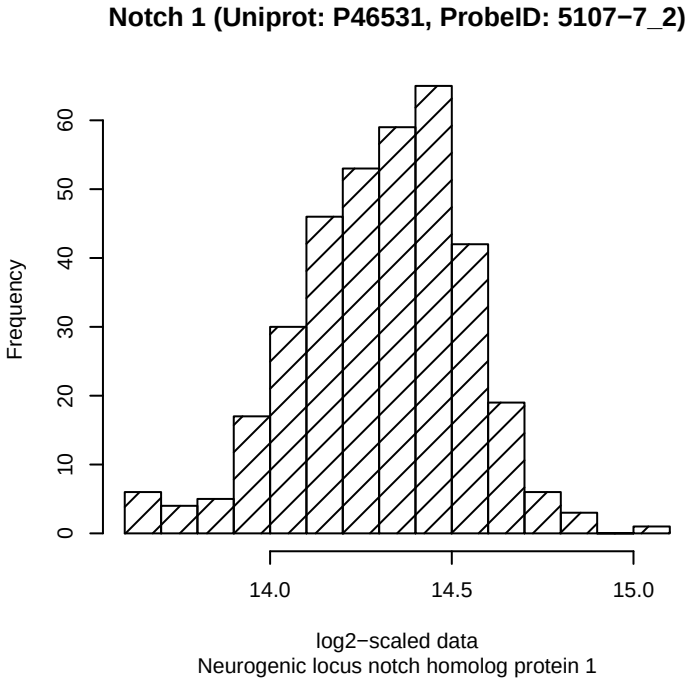

TCCR (Uniprot: Q6UWB1, ProbeID: 5132−71_3)
log2−scaled data
10
11
12
13
14
15
16
17
G/G (246)
G/A (93)
A/A (13)
rs8176743 (Chr9:136131415)
Locus 69 sentinel (tags KORA rs8176749), p=0.21, FC=1.0373

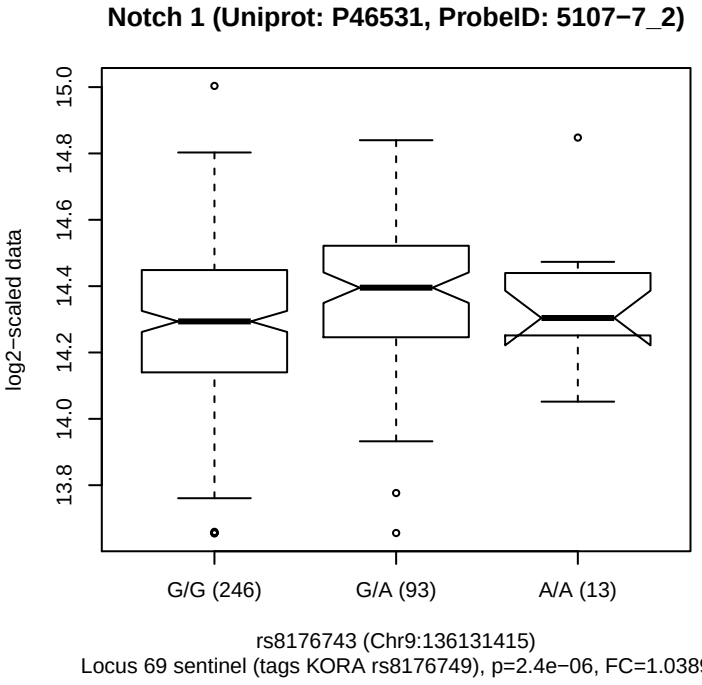

TCCR (Uniprot: Q6UWB1, ProbeID: 5132−71_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−27 receptor subunit alpha

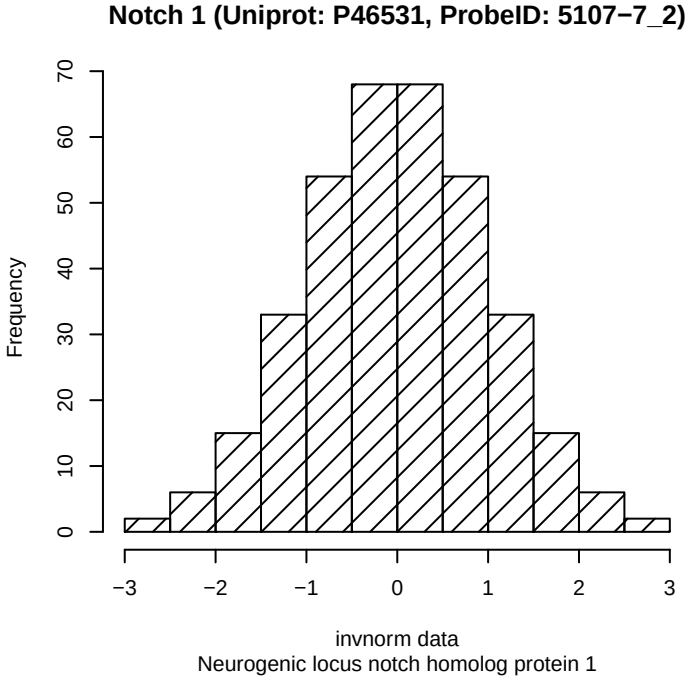

TCCR (Uniprot: Q6UWB1, ProbeID: 5132−71_3)
invnorm data
−2
−1
0
1
2
G/G (246)
G/A (93)
A/A (13)
rs8176743 (Chr9:136131415)
Locus 69 sentinel (tags KORA rs8176749), p=0.011

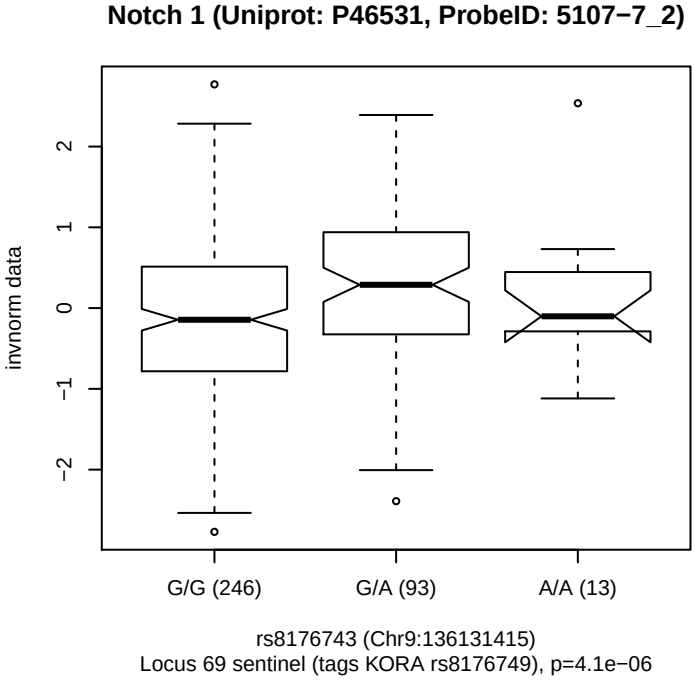

Notch 1 (Uniprot: P46531, ProbeID: 5107−7_2)
Frequency
0
20
40
60
80
15000
20000
25000
30000
raw data
Neurogenic locus notch homolog protein 1

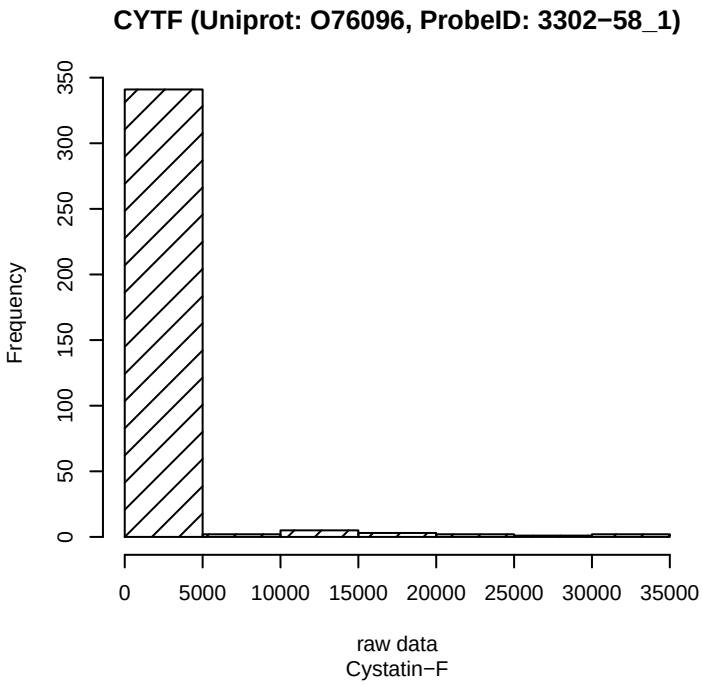

Notch 1 (Uniprot: P46531, ProbeID: 5107−7_2)
raw data
15000
20000
25000
30000
G/G (246)
G/A (93)
A/A (13)
rs8176743 (Chr9:136131415)
Locus 69 sentinel (tags KORA rs8176749), p=7.2e−06

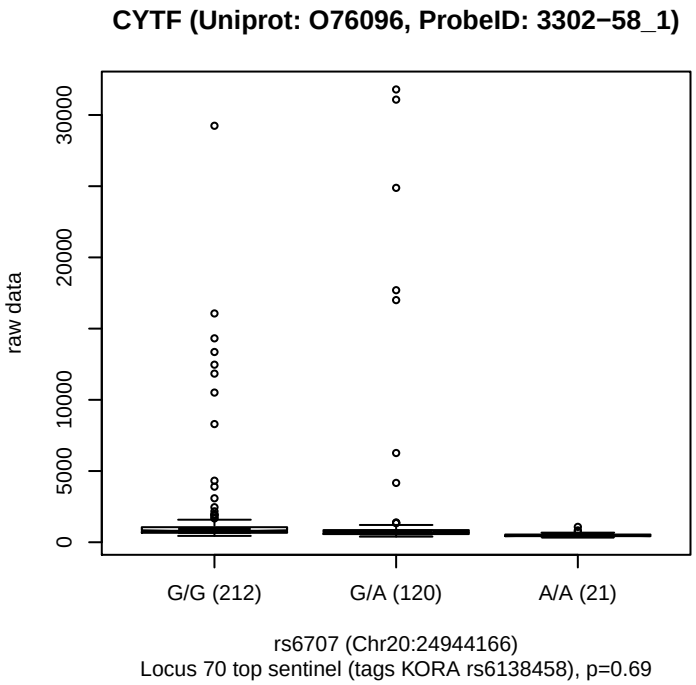

Notch 1 (Uniprot: P46531, ProbeID: 5107−7_2)
Frequency
0
10
20
30
40
50
60
14.0
14.5
15.0
log2−scaled data
Neurogenic locus notch homolog protein 1

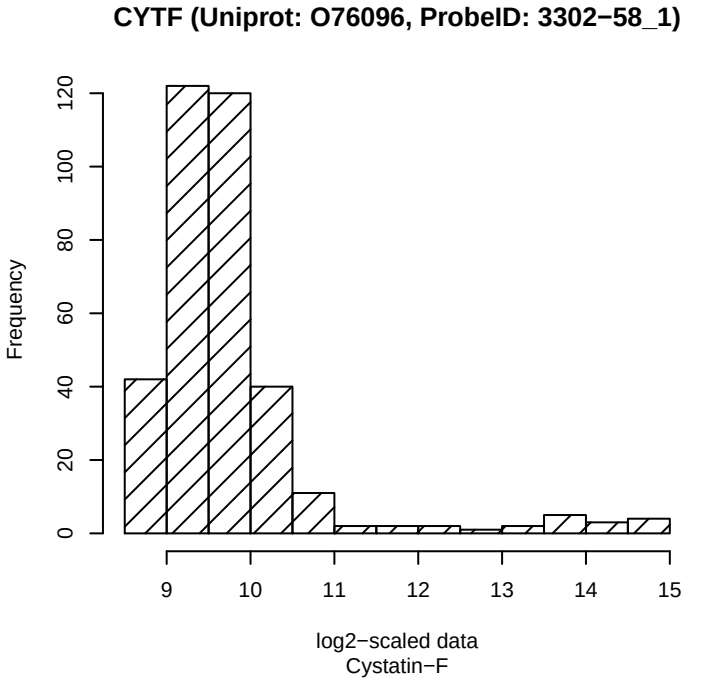

Notch 1 (Uniprot: P46531, ProbeID: 5107−7_2)
log2−scaled data
13.8
14.0
14.2
14.4
14.6
14.8
15.0
G/G (246)
G/A (93)
A/A (13)
rs8176743 (Chr9:136131415)
Locus 69 sentinel (tags KORA rs8176749), p=2.4e−06, FC=1.0389

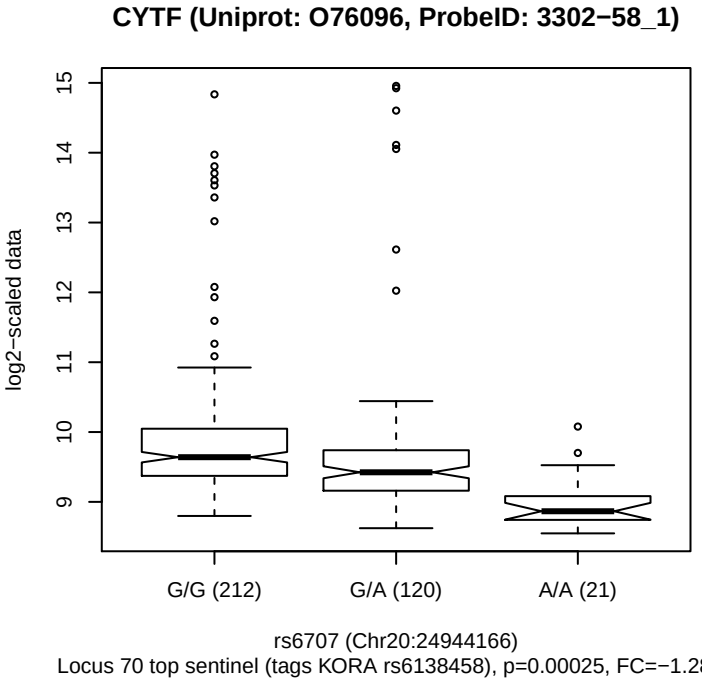

Notch 1 (Uniprot: P46531, ProbeID: 5107−7_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Neurogenic locus notch homolog protein 1

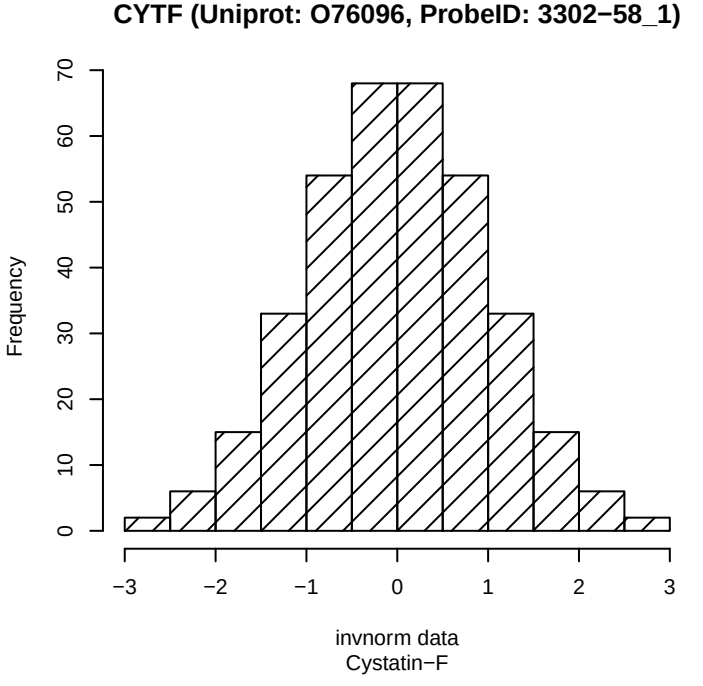

Notch 1 (Uniprot: P46531, ProbeID: 5107−7_2)
invnorm data
−2
−1
0
1
2
G/G (246)
G/A (93)
A/A (13)
rs8176743 (Chr9:136131415)
Locus 69 sentinel (tags KORA rs8176749), p=4.1e−06

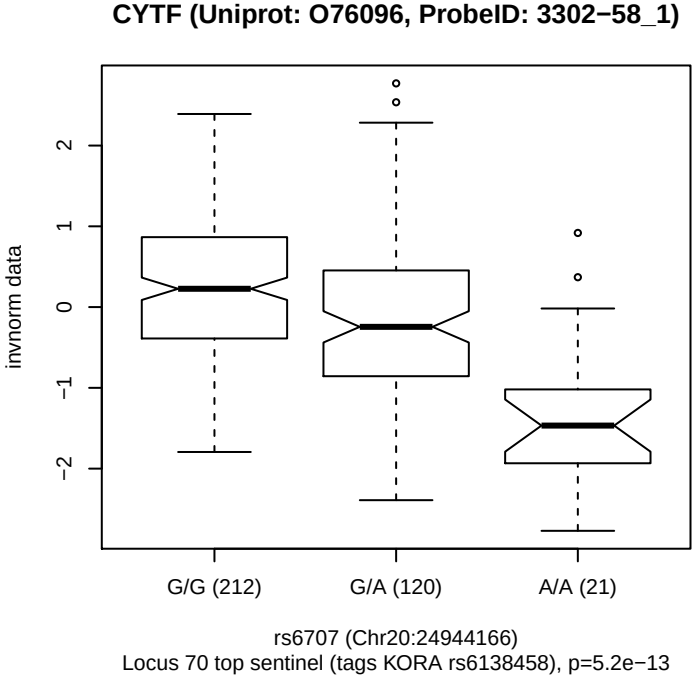

CYTF (Uniprot: O76096, ProbeID: 3302−58_1)
Frequency
0
50
100
150
200
250
300
350
0
5000
10000
15000
20000
25000
30000
35000
raw data
Cystatin−F

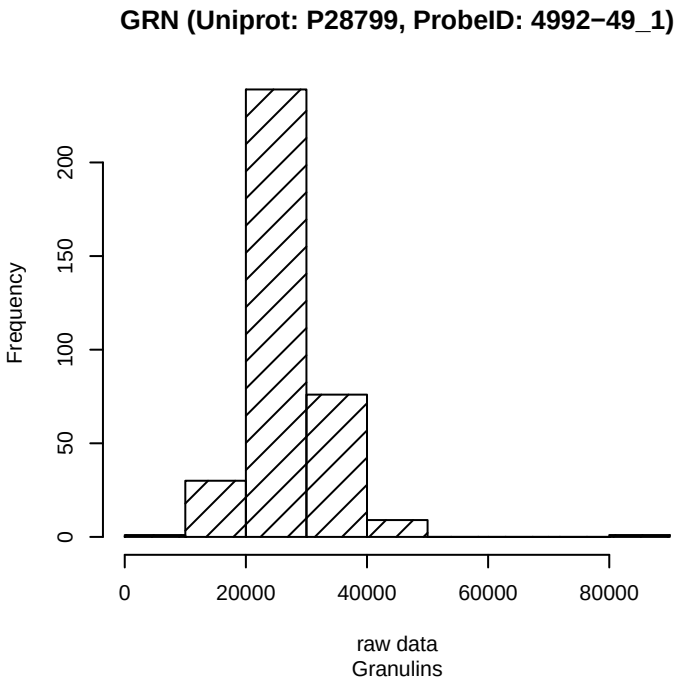

CYTF (Uniprot: O76096, ProbeID: 3302−58_1)
raw data
0
5000
10000
20000
30000
G/G (212)
G/A (120)
A/A (21)
rs6707 (Chr20:24944166)
Locus 70 top sentinel (tags KORA rs6138458), p=0.69

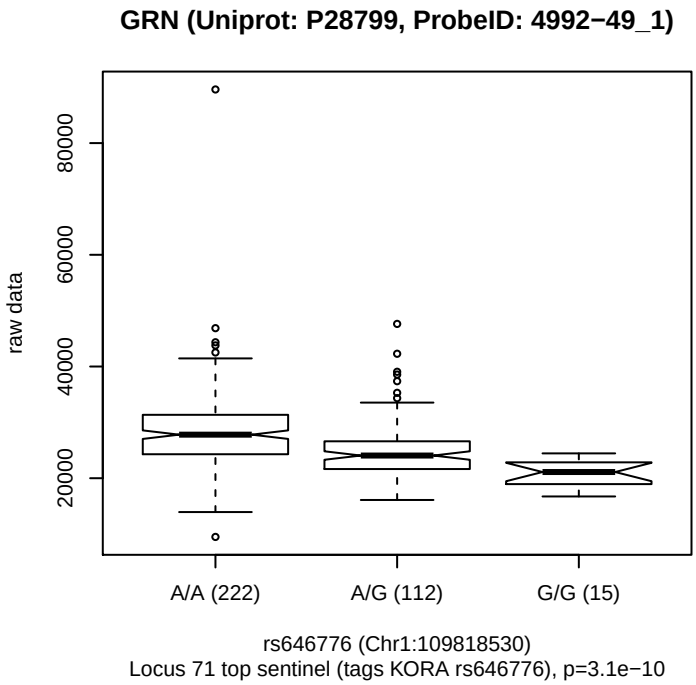

CYTF (Uniprot: O76096, ProbeID: 3302−58_1)
Frequency
0
20
40
60
80
100
120
9
10
11
12
13
14
15
log2−scaled data
Cystatin−F

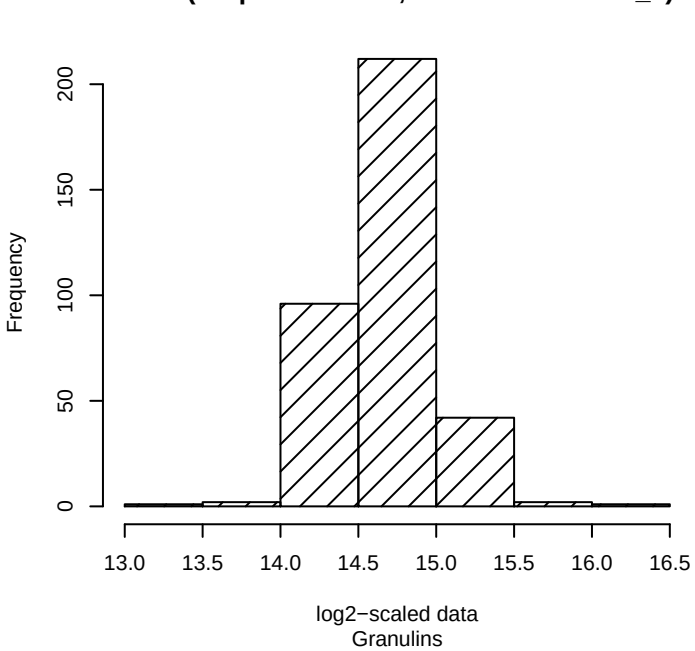

CYTF (Uniprot: O76096, ProbeID: 3302−58_1)
log2−scaled data
9
10
11
12
13
14
15
G/G (212)
G/A (120)
A/A (21)
rs6707 (Chr20:24944166)
Locus 70 top sentinel (tags KORA rs6138458), p=0.00025, FC=−1.2804

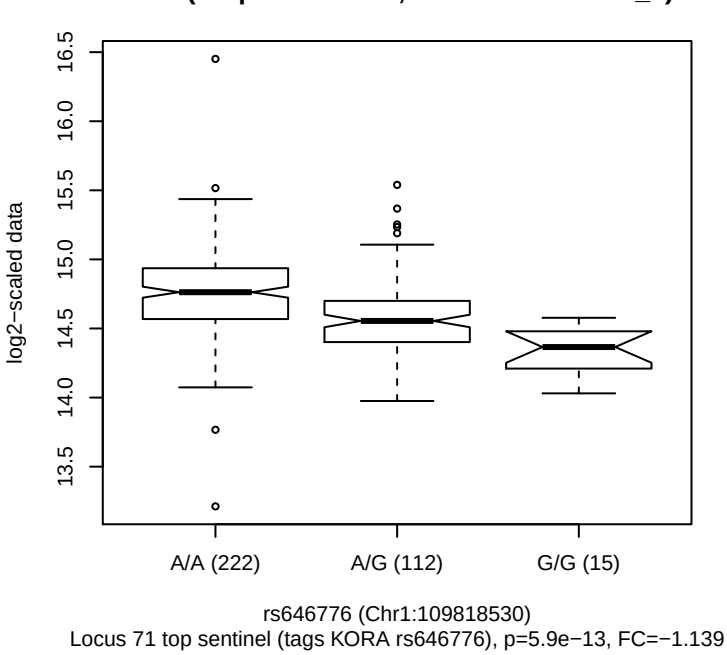

CYTF (Uniprot: O76096, ProbeID: 3302−58_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Cystatin−F

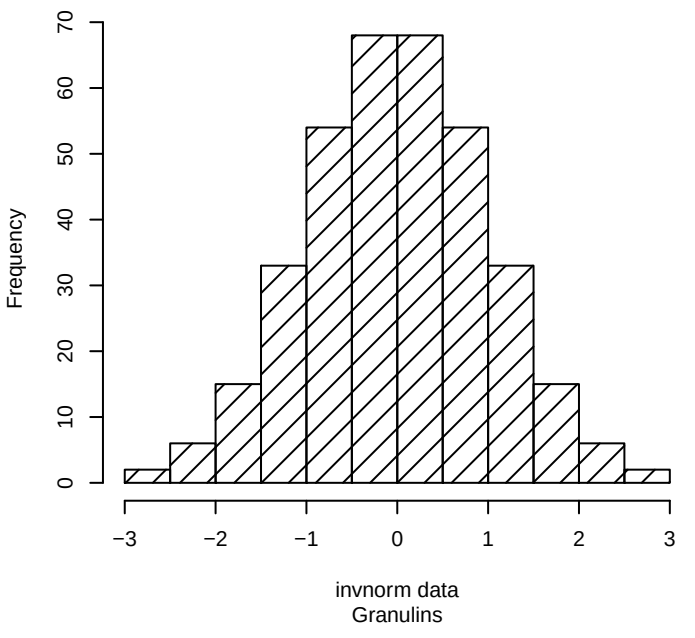

CYTF (Uniprot: O76096, ProbeID: 3302−58_1)
invnorm data
−2
−1
0
1
2
G/G (212)
G/A (120)
A/A (21)
rs6707 (Chr20:24944166)
Locus 70 top sentinel (tags KORA rs6138458), p=5.2e−13

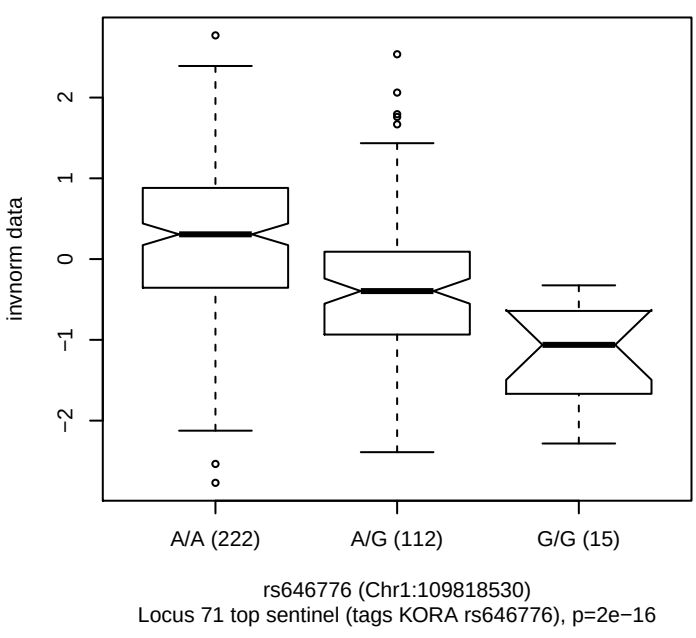

GRN (Uniprot: P28799, ProbeID: 4992−49_1)
Frequency
0
50
100
150
200
0
20000
40000
60000
80000
raw data
Granulins

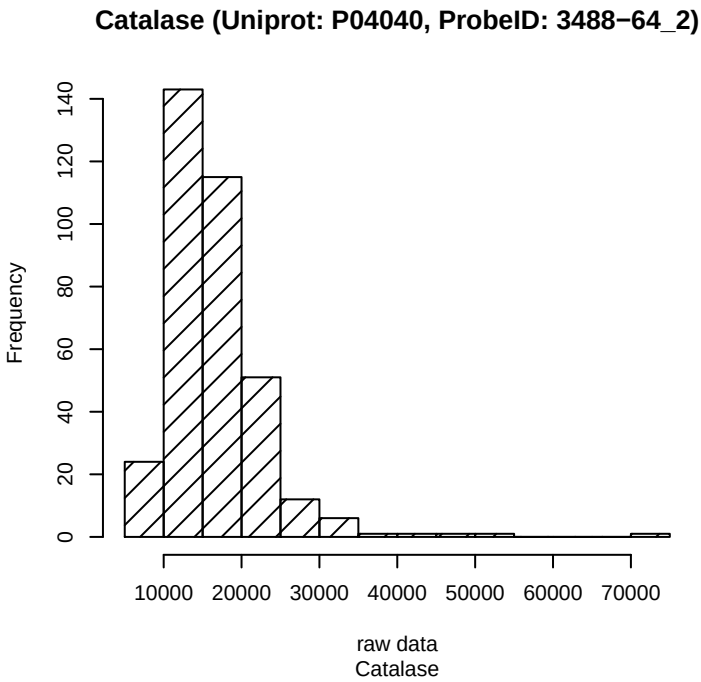

GRN (Uniprot: P28799, ProbeID: 4992−49_1)
raw data
20000
40000
60000
80000
A/A (222)
A/G (112)
G/G (15)
rs646776 (Chr1:109818530)
Locus 71 top sentinel (tags KORA rs646776), p=3.1e−10

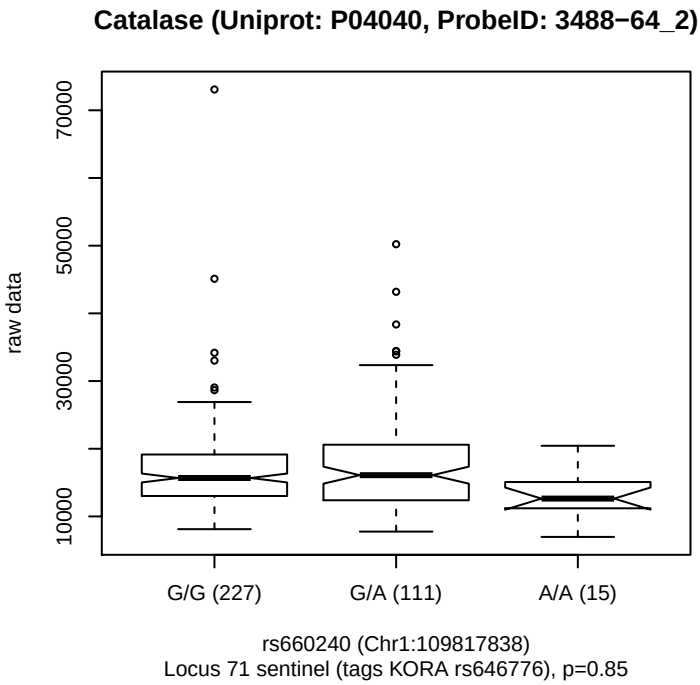

GRN (Uniprot: P28799, ProbeID: 4992−49_1)
Frequency
0
50
100
150
200
13.0
13.5
14.0
14.5
15.0
15.5
16.0
16.5
log2−scaled data
Granulins

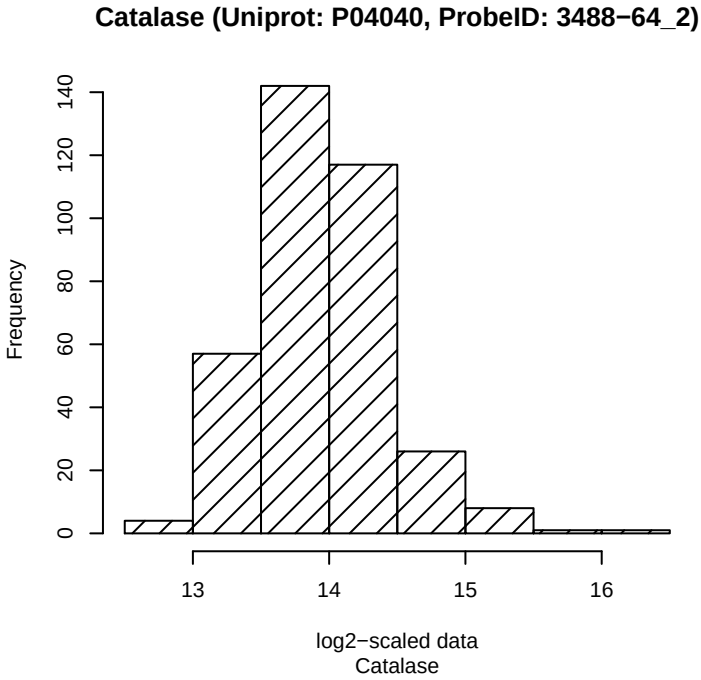

GRN (Uniprot: P28799, ProbeID: 4992−49_1)
log2−scaled data
13.5
14.0
14.5
15.0
15.5
16.0
16.5
A/A (222)
A/G (112)
G/G (15)
rs646776 (Chr1:109818530)
Locus 71 top sentinel (tags KORA rs646776), p=5.9e−13, FC=−1.139

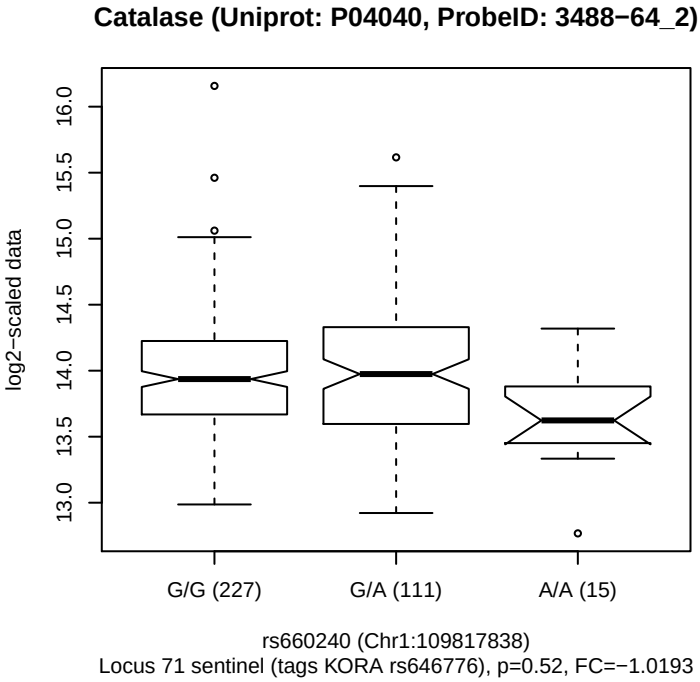

GRN (Uniprot: P28799, ProbeID: 4992−49_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Granulins

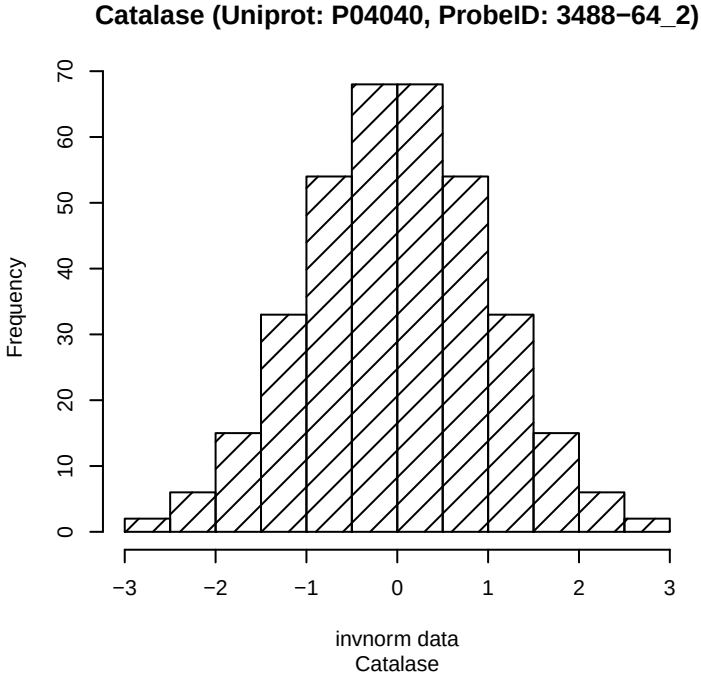

GRN (Uniprot: P28799, ProbeID: 4992−49_1)
invnorm data
−2
−1
0
1
2
A/A (222)
A/G (112)
G/G (15)
rs646776 (Chr1:109818530)
Locus 71 top sentinel (tags KORA rs646776), p=2e−16

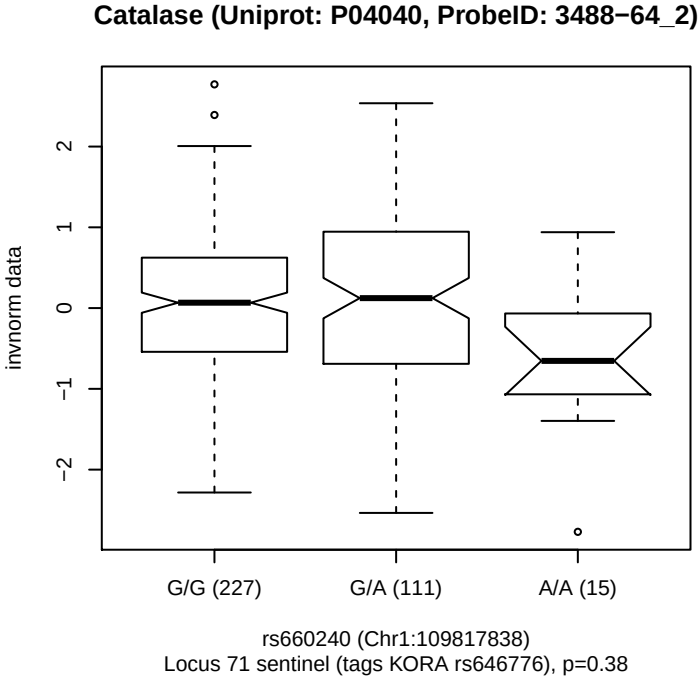

Catalase (Uniprot: P04040, ProbeID: 3488−64_2)
Frequency
0
20
40
60
80
100
120
140
10000
20000
30000
40000
50000
60000
70000
raw data
Catalase

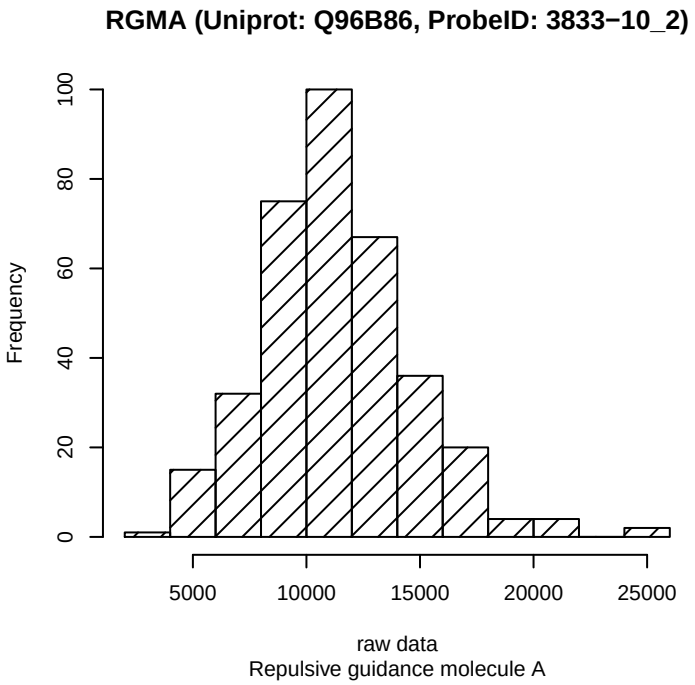

Catalase (Uniprot: P04040, ProbeID: 3488−64_2)
raw data
10000
30000
50000
70000
G/G (227)
G/A (111)
A/A (15)
rs660240 (Chr1:109817838)
Locus 71 sentinel (tags KORA rs646776), p=0.85

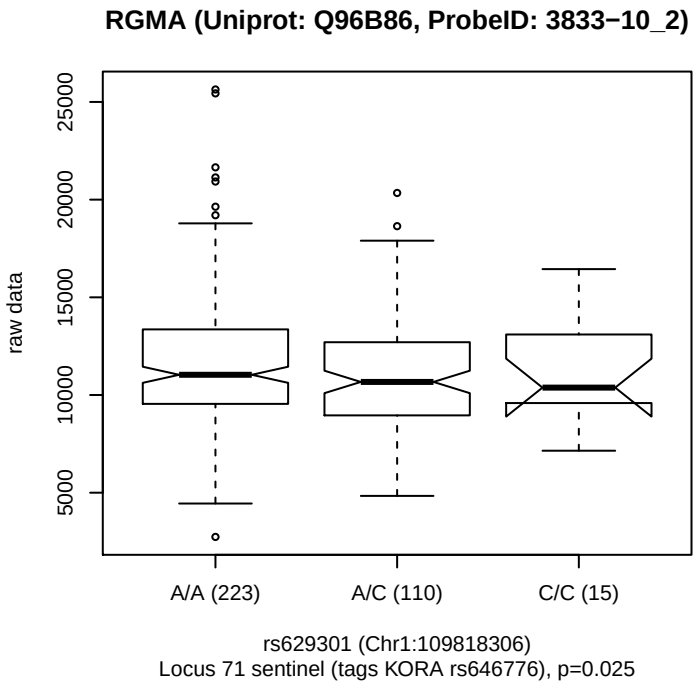

Catalase (Uniprot: P04040, ProbeID: 3488−64_2)
Frequency
0
20
40
60
80
100
120
140
13
14
15
16
log2−scaled data
Catalase

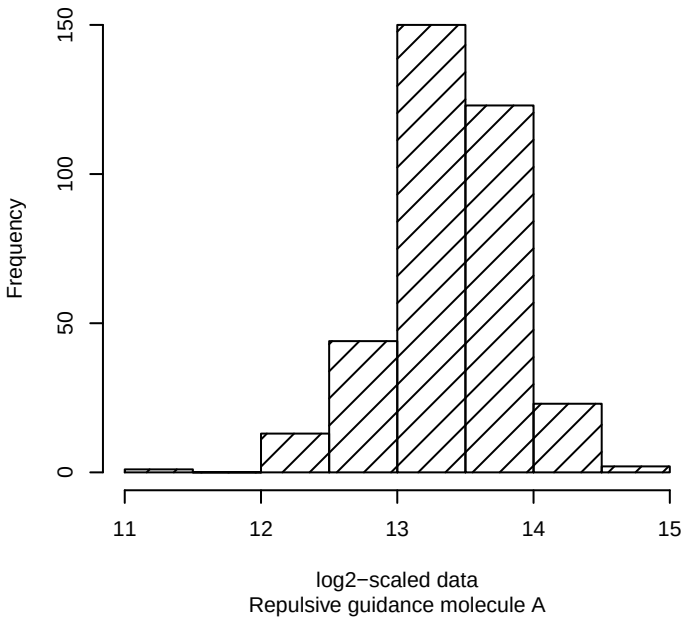

Catalase (Uniprot: P04040, ProbeID: 3488−64_2)
log2−scaled data
13.0
13.5
14.0
14.5
15.0
15.5
16.0
G/G (227)
G/A (111)
A/A (15)
rs660240 (Chr1:109817838)
Locus 71 sentinel (tags KORA rs646776), p=0.52, FC=−1.0193

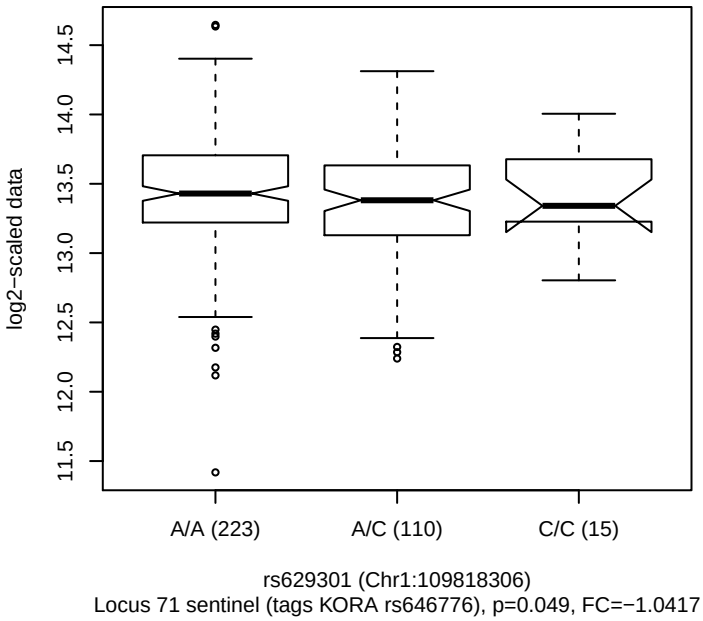

Catalase (Uniprot: P04040, ProbeID: 3488−64_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Catalase

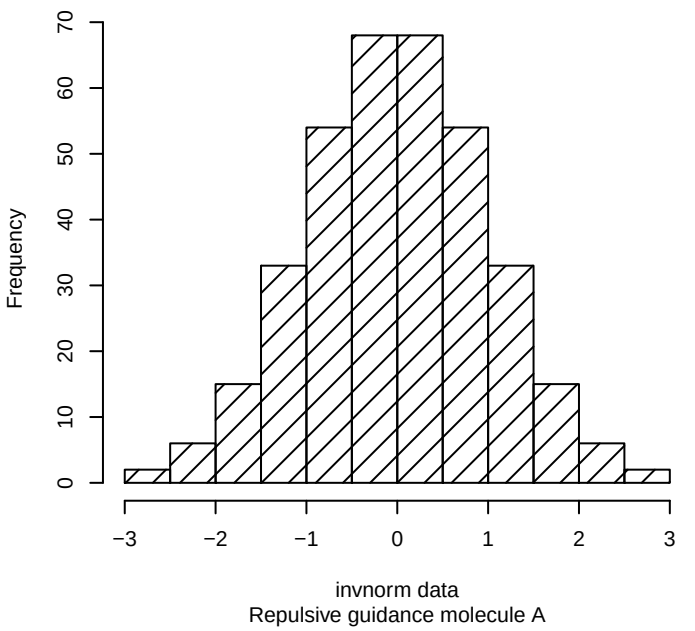

Catalase (Uniprot: P04040, ProbeID: 3488−64_2)
invnorm data
−2
−1
0
1
2
G/G (227)
G/A (111)
A/A (15)
rs660240 (Chr1:109817838)
Locus 71 sentinel (tags KORA rs646776), p=0.38

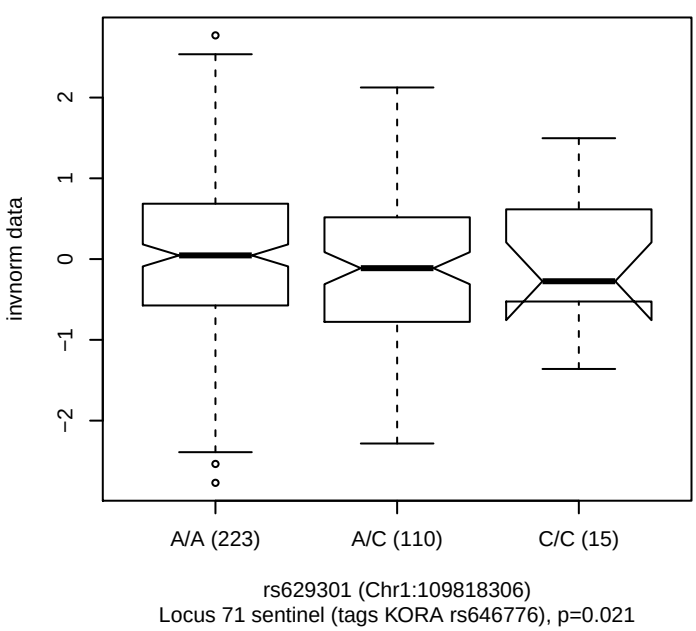

RGMA (Uniprot: Q96B86, ProbeID: 3833−10_2)
Frequency
0
20
40
60
80
100
5000
10000
15000
20000
25000
raw data
Repulsive guidance molecule A

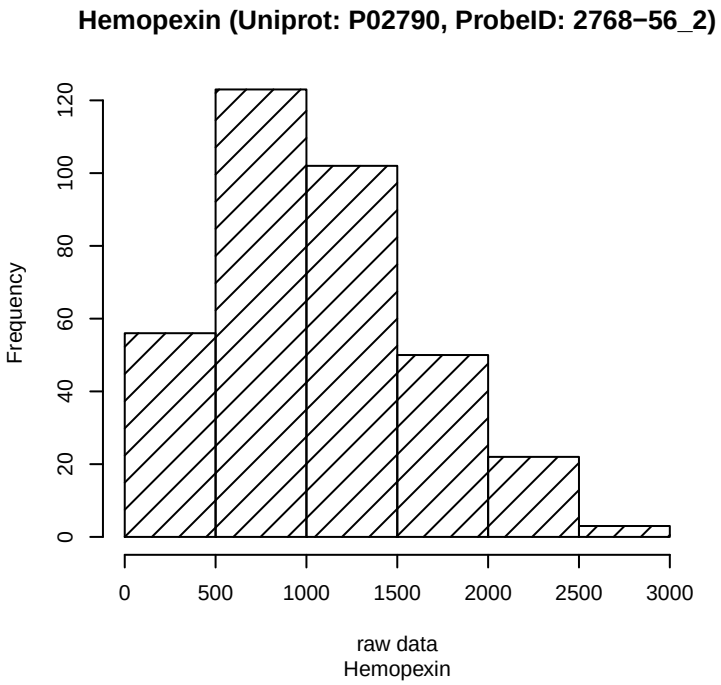

RGMA (Uniprot: Q96B86, ProbeID: 3833−10_2)
raw data
5000
10000
15000
20000
25000
A/A (223)
A/C (110)
C/C (15)
rs629301 (Chr1:109818306)
Locus 71 sentinel (tags KORA rs646776), p=0.025

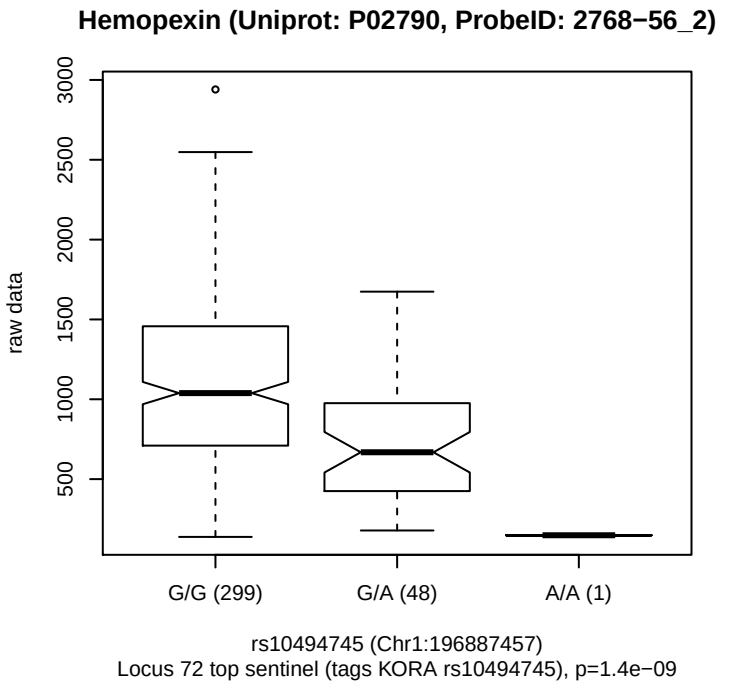

RGMA (Uniprot: Q96B86, ProbeID: 3833−10_2)
Frequency
0
50
100
150
11
12
13
14
15
log2−scaled data
Repulsive guidance molecule A

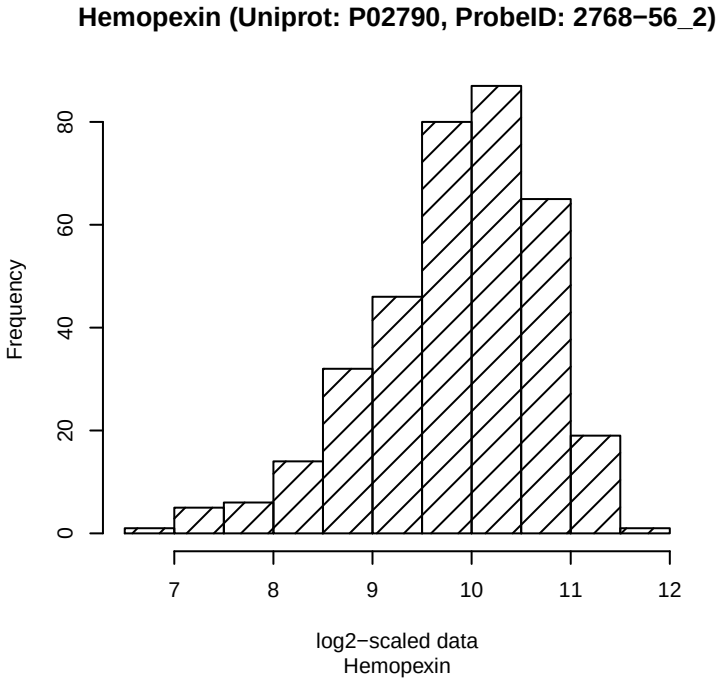

RGMA (Uniprot: Q96B86, ProbeID: 3833−10_2)
log2−scaled data
11.5
12.0
12.5
13.0
13.5
14.0
14.5
A/A (223)
A/C (110)
C/C (15)
rs629301 (Chr1:109818306)
Locus 71 sentinel (tags KORA rs646776), p=0.049, FC=−1.0417

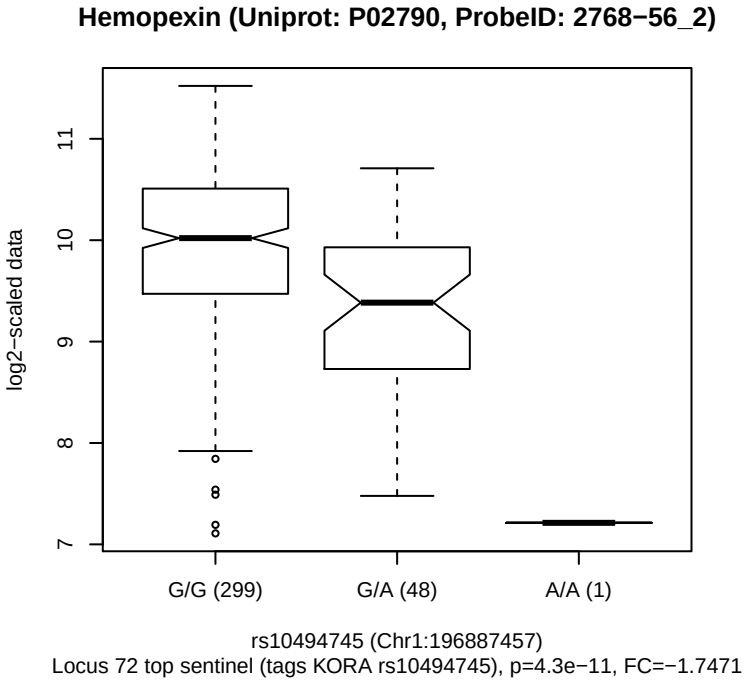

RGMA (Uniprot: Q96B86, ProbeID: 3833−10_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Repulsive guidance molecule A

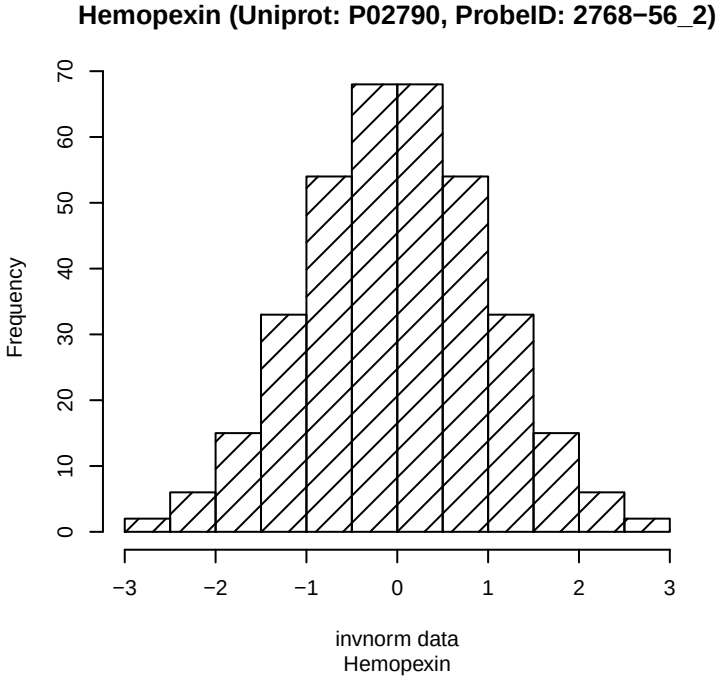

RGMA (Uniprot: Q96B86, ProbeID: 3833−10_2)
invnorm data
−2
−1
0
1
2
A/A (223)
A/C (110)
C/C (15)
rs629301 (Chr1:109818306)
Locus 71 sentinel (tags KORA rs646776), p=0.021

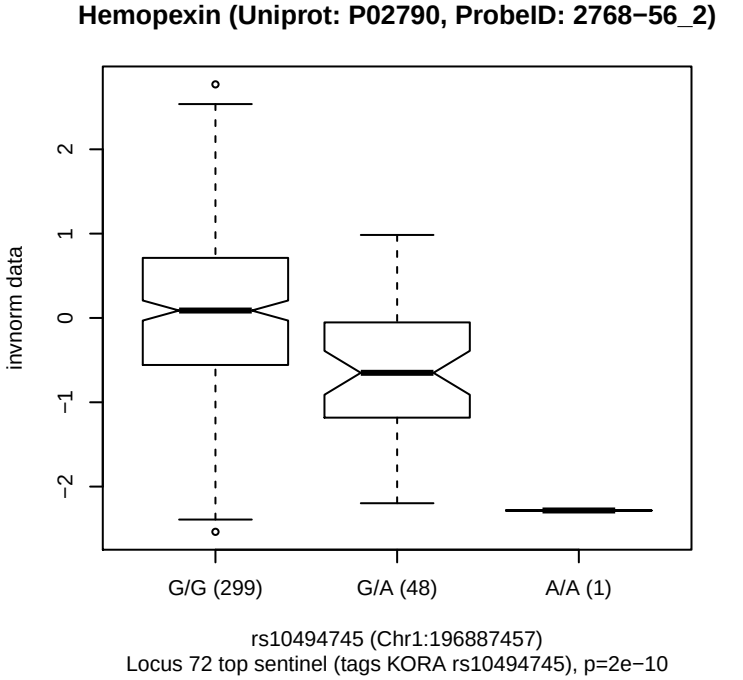

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
Frequency
0
20
40
60
80
100
120
0
500
1000
1500
2000
2500
3000
raw data
Hemopexin

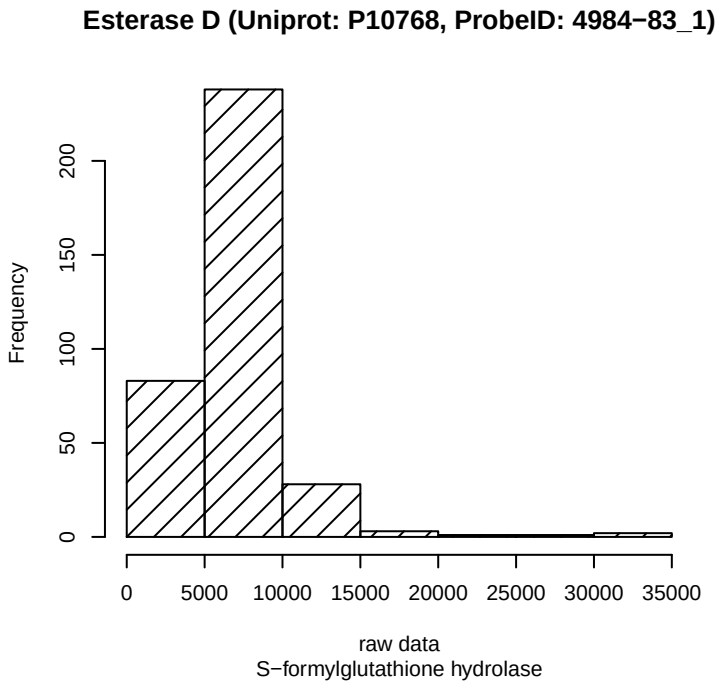

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
raw data
500
1000
1500
2000
2500
3000
G/G (299)
G/A (48)
A/A (1)
rs10494745 (Chr1:196887457)
Locus 72 top sentinel (tags KORA rs10494745), p=1.4e−09

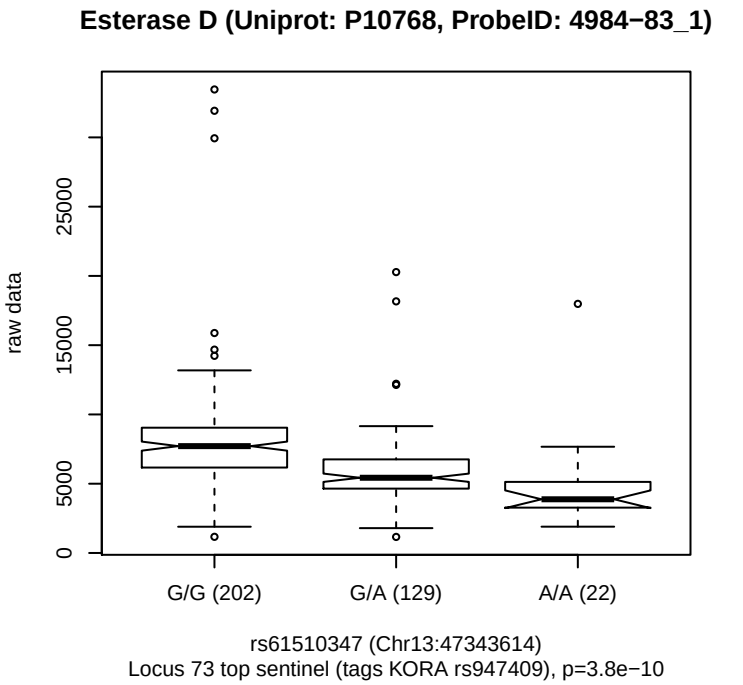

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
Frequency
0
20
40
60
80
7
8
9
10
11
12
log2−scaled data
Hemopexin

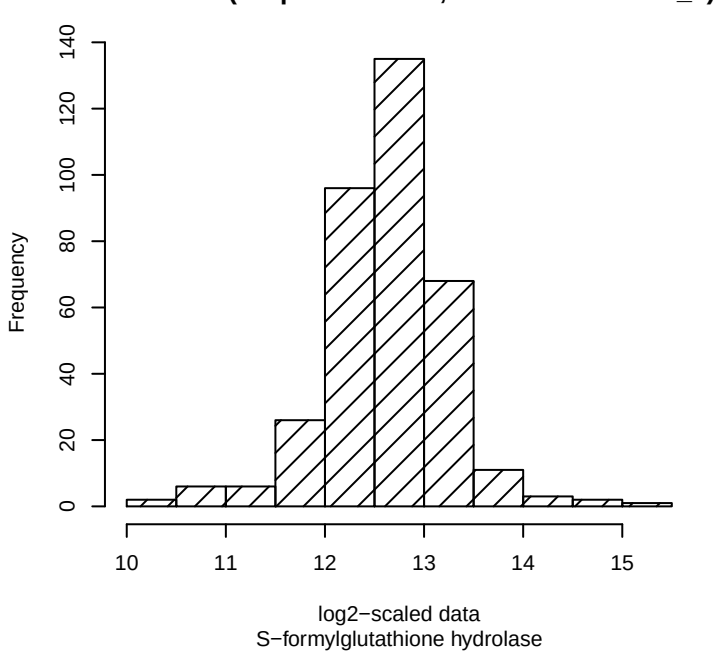

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
log2−scaled data
7
8
9
10
11
G/G (299)
G/A (48)
A/A (1)
rs10494745 (Chr1:196887457)
Locus 72 top sentinel (tags KORA rs10494745), p=4.3e−11, FC=−1.7471

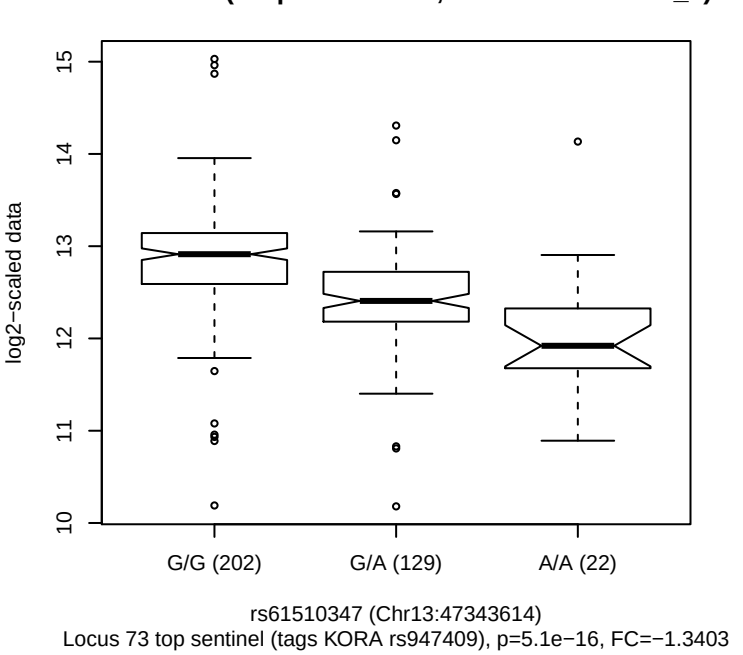

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Hemopexin

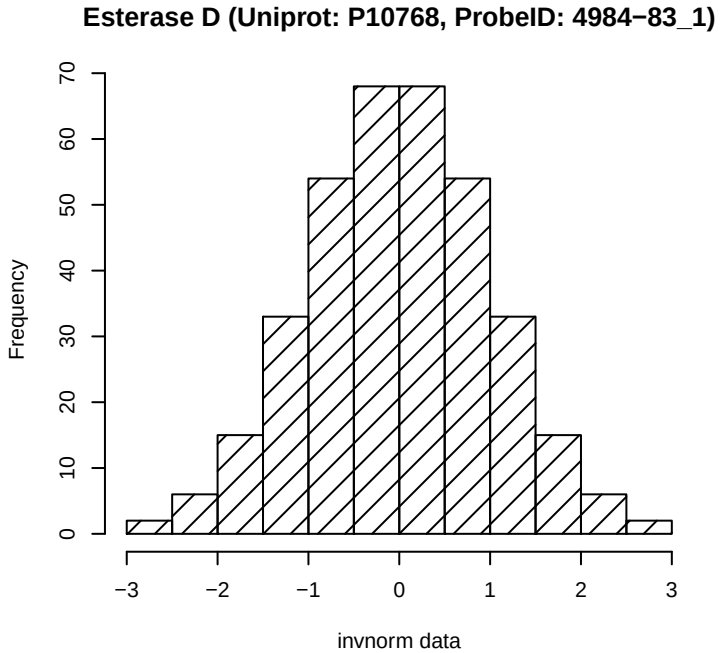

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
invnorm data
−2
−1
0
1
2
G/G (299)
G/A (48)
A/A (1)
rs10494745 (Chr1:196887457)
Locus 72 top sentinel (tags KORA rs10494745), p=2e−10

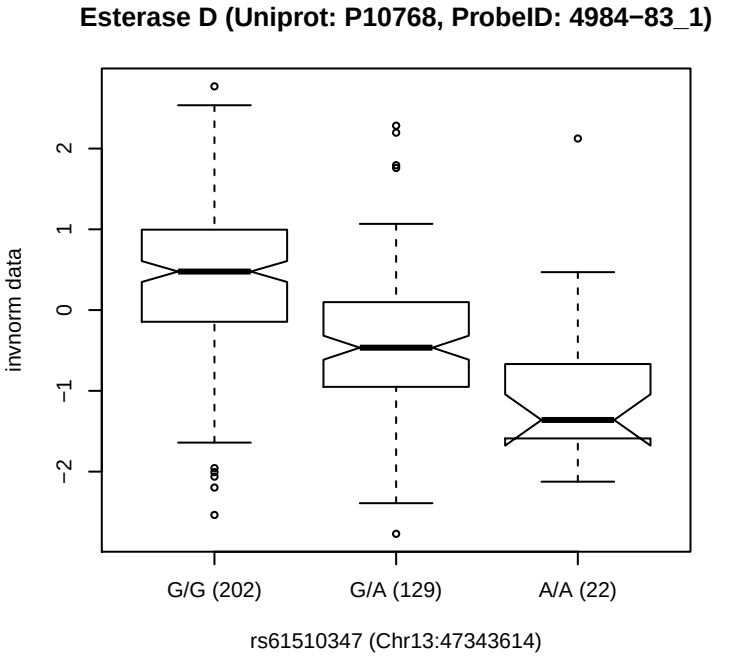

Esterase D (Uniprot: P10768, ProbeID: 4984−83_1)
Frequency
0
50
100
150
200
0
5000
10000
15000
20000
25000
30000
35000
raw data
S−formylglutathione hydrolase

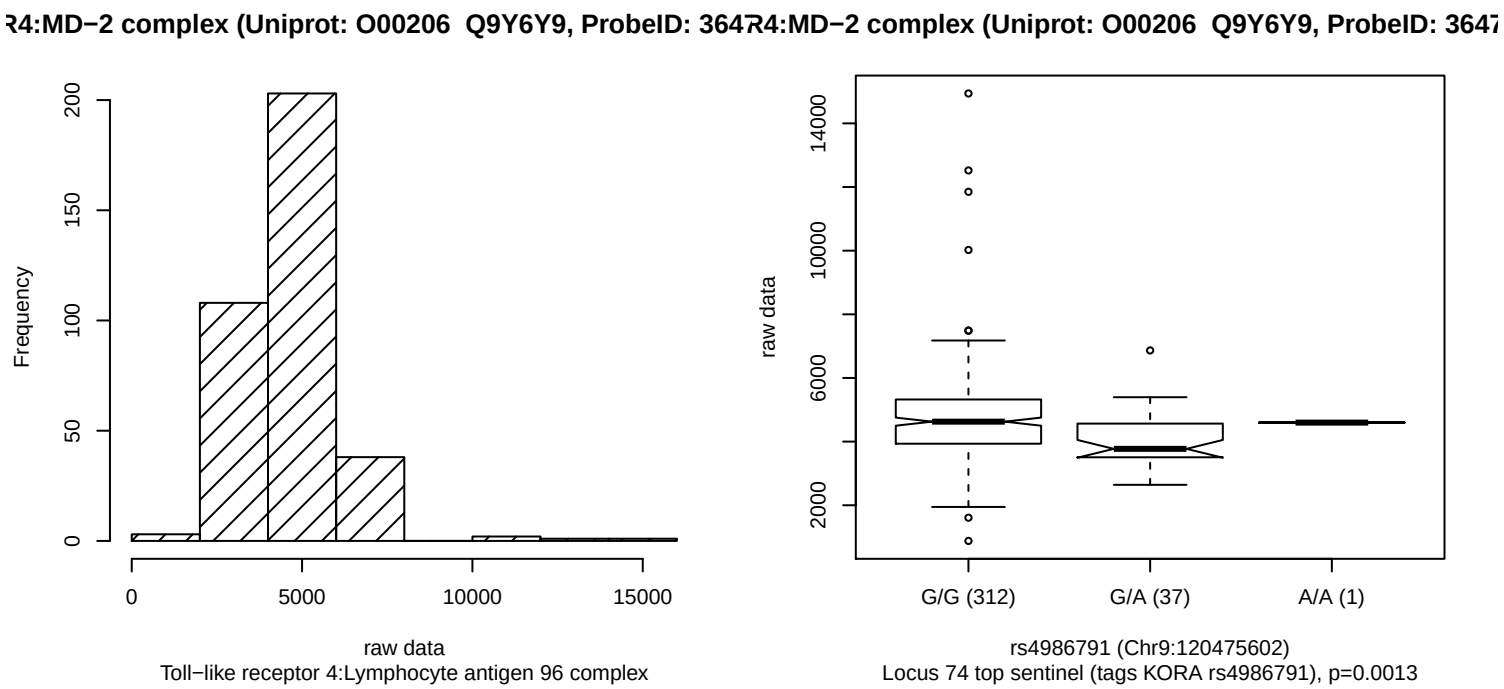

Esterase D (Uniprot: P10768, ProbeID: 4984−83_1)
raw data
0
5000
15000
25000
G/G (202)
G/A (129)
A/A (22)
rs61510347 (Chr13:47343614)
Locus 73 top sentinel (tags KORA rs947409), p=3.8e−10

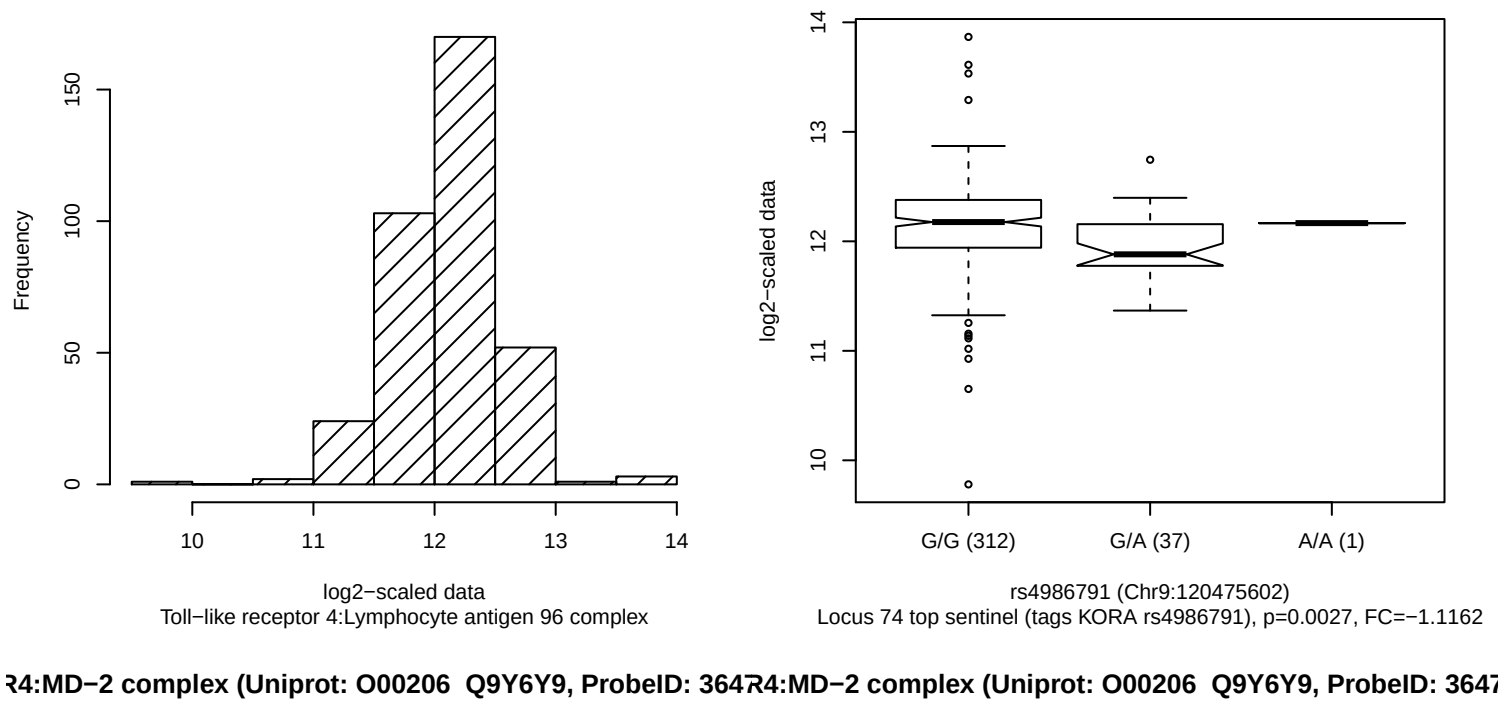

Esterase D (Uniprot: P10768, ProbeID: 4984−83_1)
Frequency
0
20
40
60
80
100
120
140
10
11
12
13
14
15
log2−scaled data
S−formylglutathione hydrolase

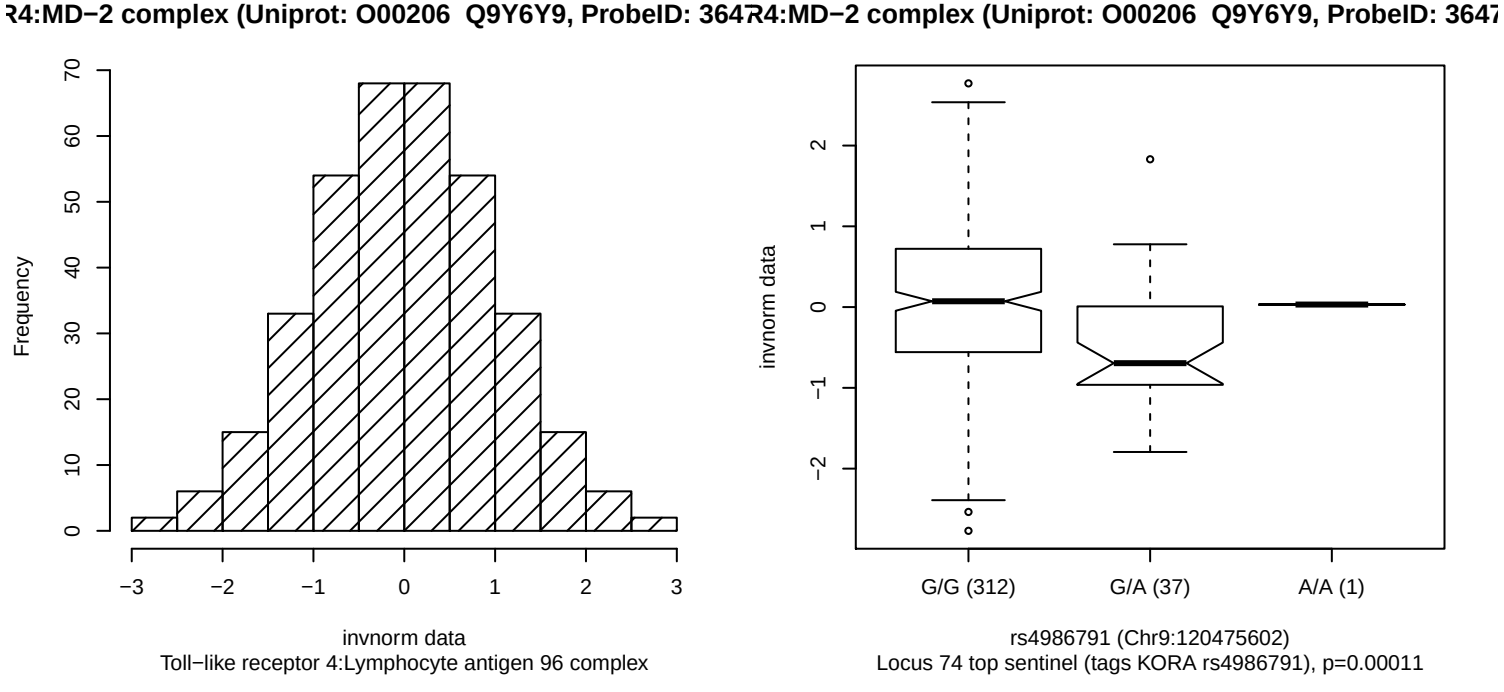

Esterase D (Uniprot: P10768, ProbeID: 4984−83_1)
log2−scaled data
10
11
12
13
14
15
G/G (202)
G/A (129)
A/A (22)
rs61510347 (Chr13:47343614)
Locus 73 top sentinel (tags KORA rs947409), p=5.1e−16, FC=−1.3403

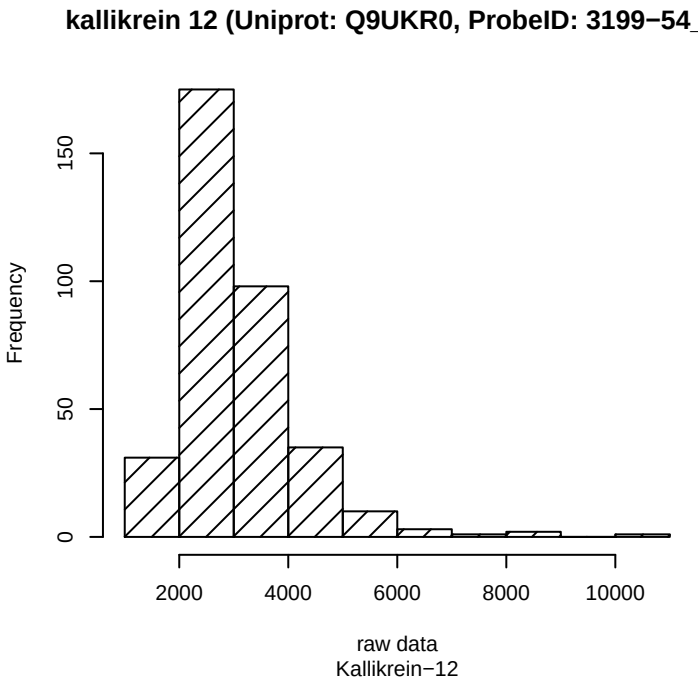

Esterase D (Uniprot: P10768, ProbeID: 4984−83_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
S−formylglutathione hydrolase

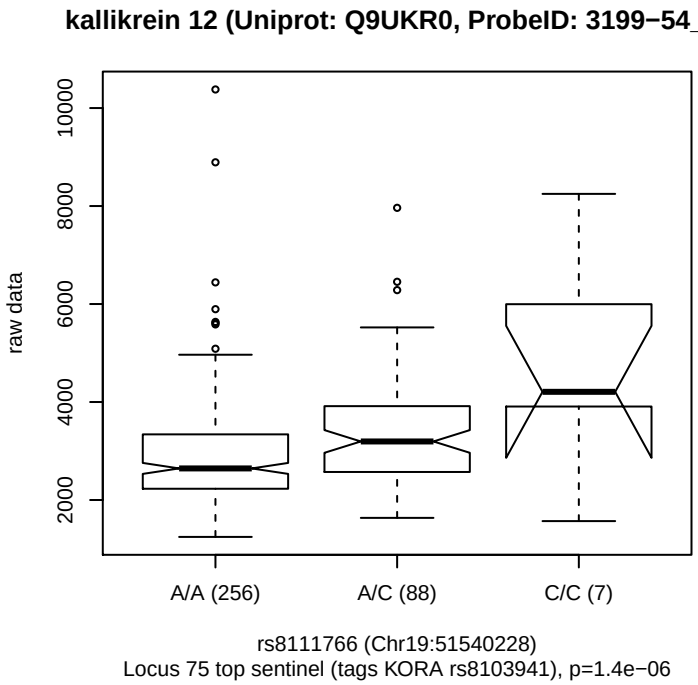

Esterase D (Uniprot: P10768, ProbeID: 4984−83_1)
invnorm data
−2
−1
0
1
2
G/G (202)
G/A (129)
A/A (22)
rs61510347 (Chr13:47343614)
Locus 73 top sentinel (tags KORA rs947409), p=6.6e−20

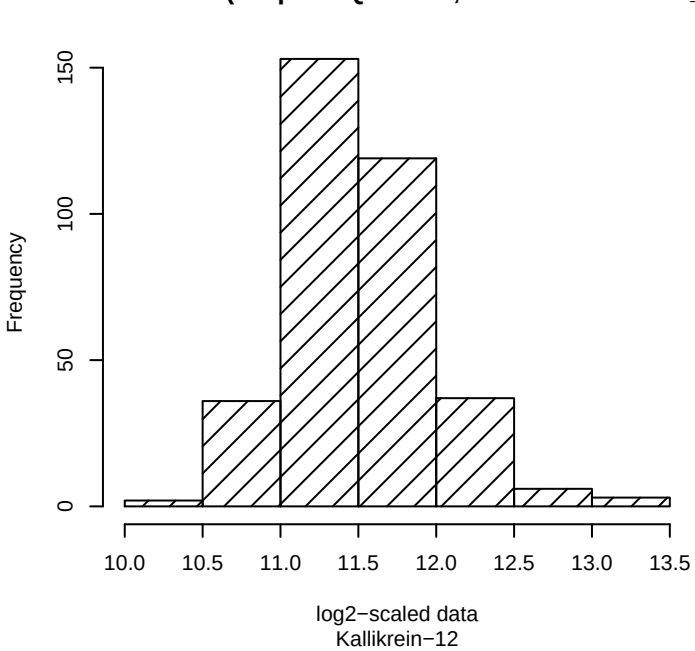

R4:MD−2 complex (Uniprot: O00206 Q9Y6Y9, ProbeID: 364
R4:MD−2 complex (Uniprot: O00206 Q9Y6Y9, ProbeID: 364
Frequency
raw data
raw data
Toll−like receptor 4:Lymphocyte antigen 96 complex
G/G (312)
G/A (37)
A/A (1)
rs4986791 (Chr9:120475602)
Locus 74 top sentinel (tags KORA rs4986791), p=0.0013

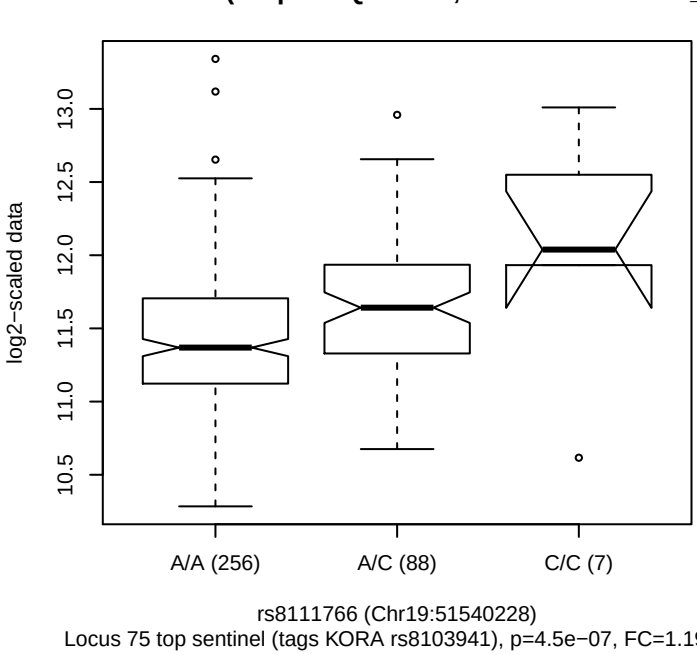

R4:MD−2 complex (Uniprot: O00206 Q9Y6Y9, ProbeID: 364
R4:MD−2 complex (Uniprot: O00206 Q9Y6Y9, ProbeID: 364
Frequency
log2−scaled data
log2−scaled data
Toll−like receptor 4:Lymphocyte antigen 96 complex
G/G (312)
G/A (37)
A/A (1)
rs4986791 (Chr9:120475602)
Locus 74 top sentinel (tags KORA rs4986791), p=0.0027, FC=−1.1162

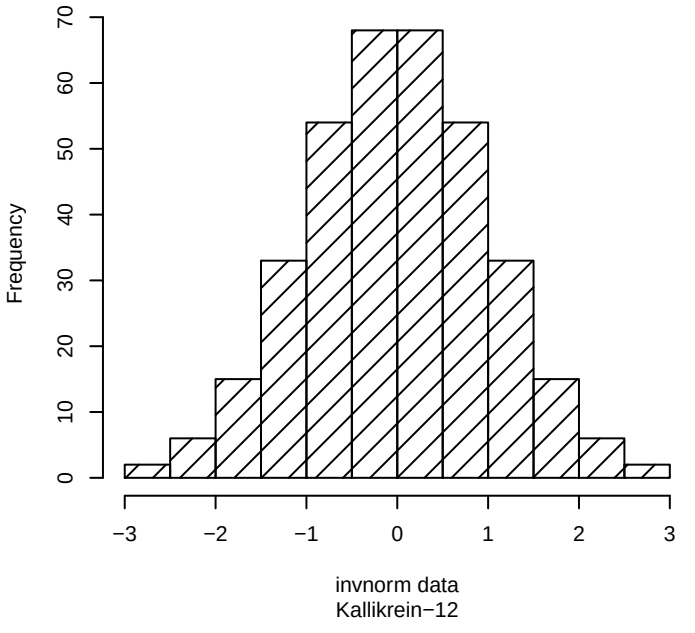

R4:MD−2 complex (Uniprot: O00206 Q9Y6Y9, ProbeID: 364
R4:MD−2 complex (Uniprot: O00206 Q9Y6Y9, ProbeID: 364
Frequency
invnorm data
invnorm data
Toll−like receptor 4:Lymphocyte antigen 96 complex
G/G (312)
G/A (37)
A/A (1)
rs4986791 (Chr9:120475602)
Locus 74 top sentinel (tags KORA rs4986791), p=0.00011

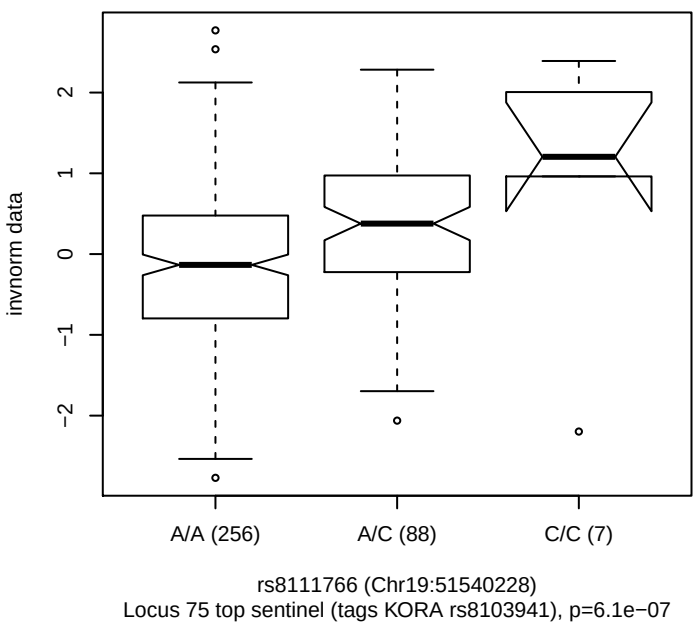

kallikrein 12 (Uniprot: Q9UKR0, ProbeID: 3199−54_2)
Frequency
0
50
100
150
2000
4000
6000
8000
10000
raw data
Kallikrein−12

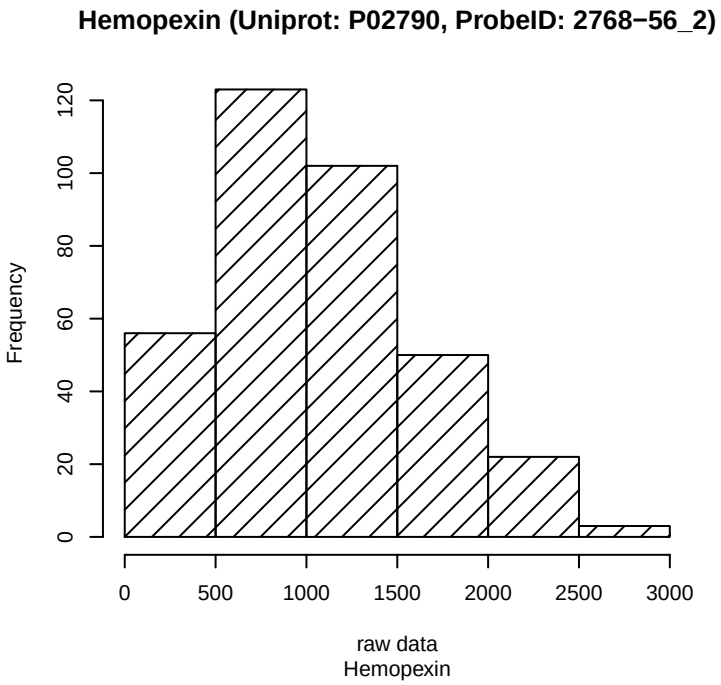

kallikrein 12 (Uniprot: Q9UKR0, ProbeID: 3199−54_2)
raw data
2000
4000
6000
8000
10000
A/A (256)
A/C (88)
C/C (7)
rs8111766 (Chr19:51540228)
Locus 75 top sentinel (tags KORA rs8103941), p=1.4e−06

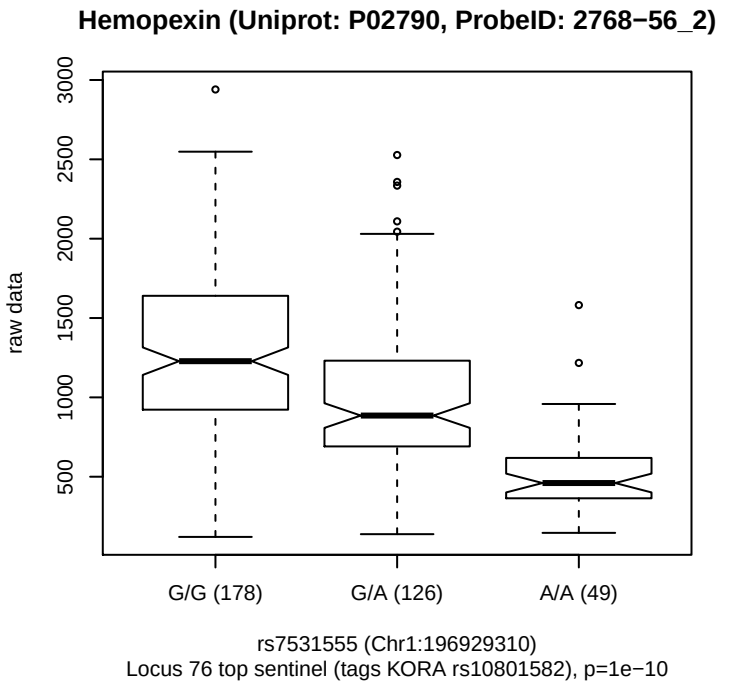

kallikrein 12 (Uniprot: Q9UKR0, ProbeID: 3199−54_2)
Frequency
0
50
100
150
10.0
10.5
11.0
11.5
12.0
12.5
13.0
13.5
log2−scaled data
Kallikrein−12

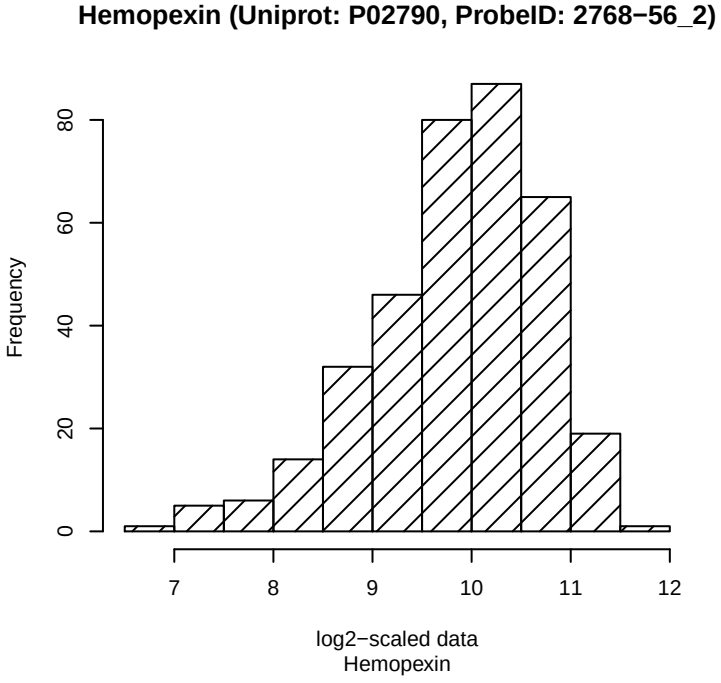

kallikrein 12 (Uniprot: Q9UKR0, ProbeID: 3199−54_2)
log2−scaled data
10.5
11.0
11.5
12.0
12.5
13.0
A/A (256)
A/C (88)
C/C (7)
rs8111766 (Chr19:51540228)
Locus 75 top sentinel (tags KORA rs8103941), p=4.5e−07, FC=1.1993

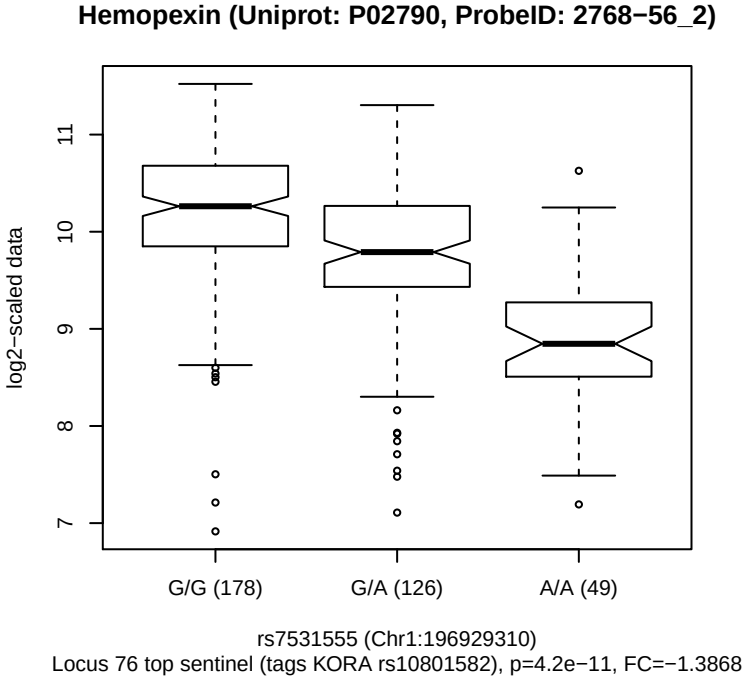

kallikrein 12 (Uniprot: Q9UKR0, ProbeID: 3199−54_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Kallikrein−12

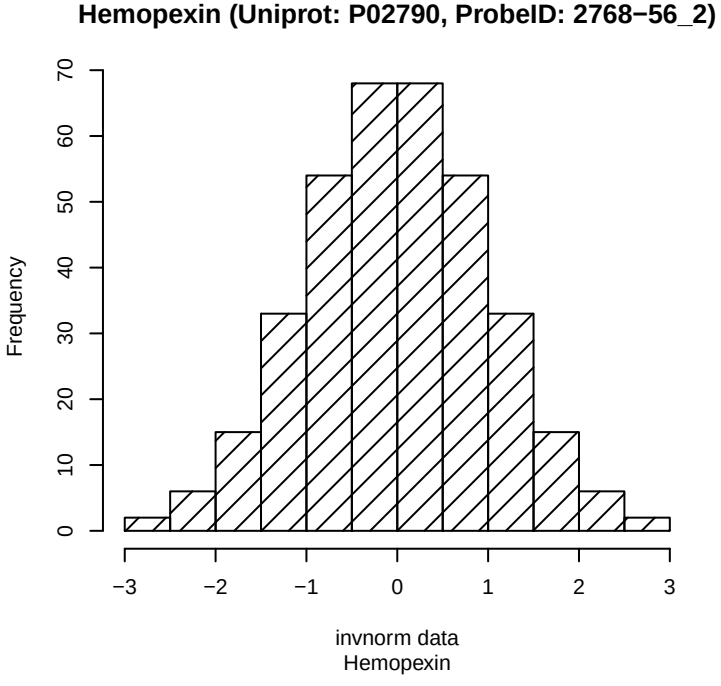

kallikrein 12 (Uniprot: Q9UKR0, ProbeID: 3199−54_2)
invnorm data
−2
−1
0
1
2
A/A (256)
A/C (88)
C/C (7)
rs8111766 (Chr19:51540228)
Locus 75 top sentinel (tags KORA rs8103941), p=6.1e−07

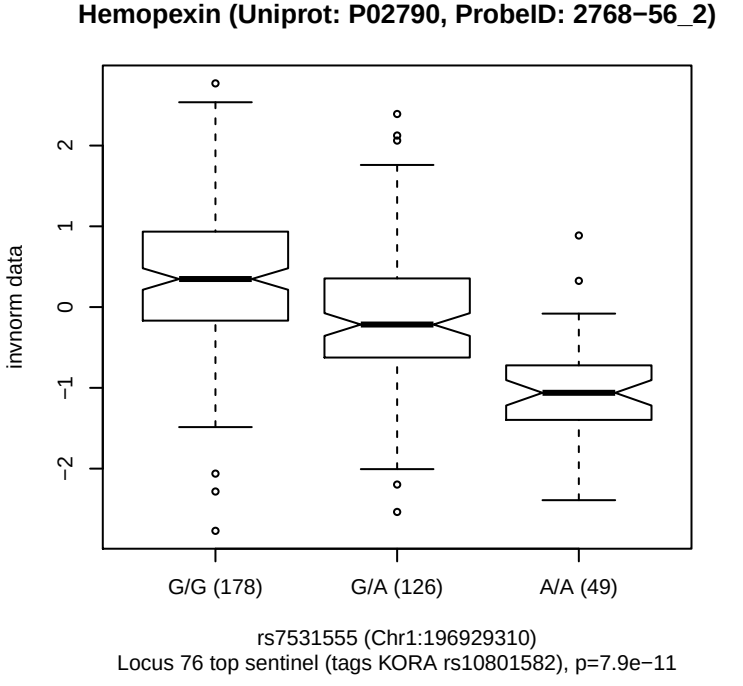

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
Frequency
0
20
40
60
80
100
120
0
500
1000
1500
2000
2500
3000
raw data
Hemopexin

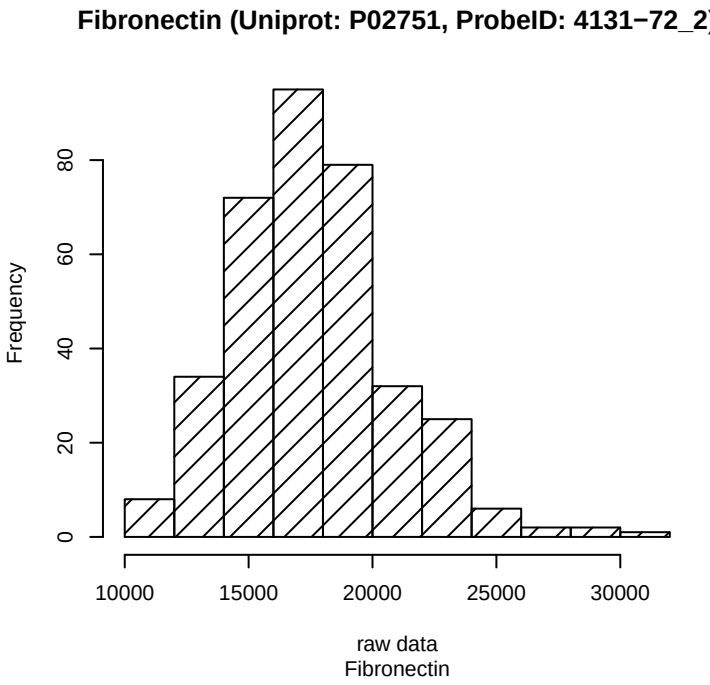

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
raw data
500
1000
1500
2000
2500
3000
G/G (178)
G/A (126)
A/A (49)
rs7531555 (Chr1:196929310)
Locus 76 top sentinel (tags KORA rs10801582), p=1e−10

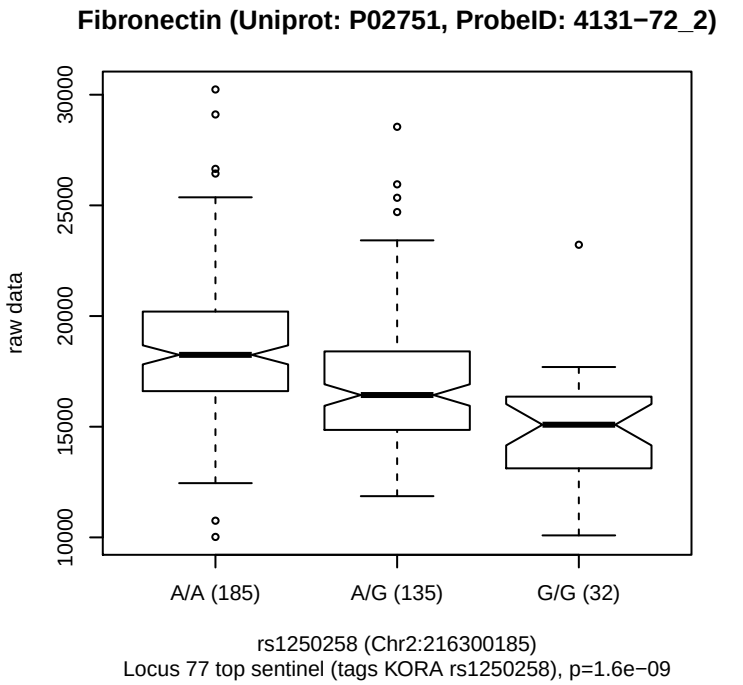

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
Frequency
0
20
40
60
80
7
8
9
10
11
12
log2−scaled data
Hemopexin

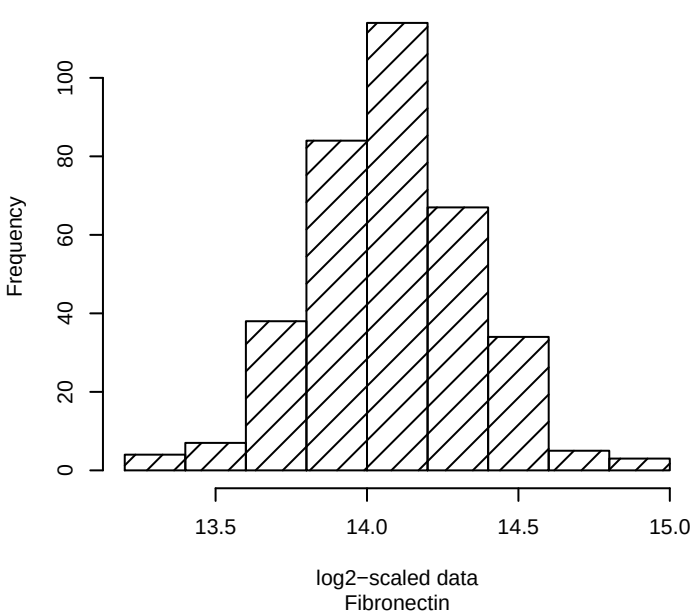

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
log2−scaled data
7
8
9
10
11
G/G (178)
G/A (126)
A/A (49)
rs7531555 (Chr1:196929310)
Locus 76 top sentinel (tags KORA rs10801582), p=4.2e−11, FC=−1.3868

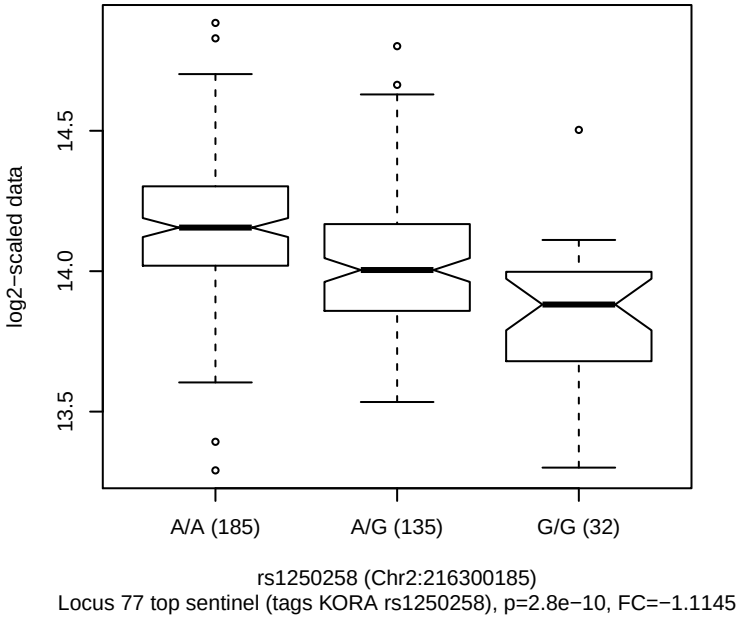

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Hemopexin

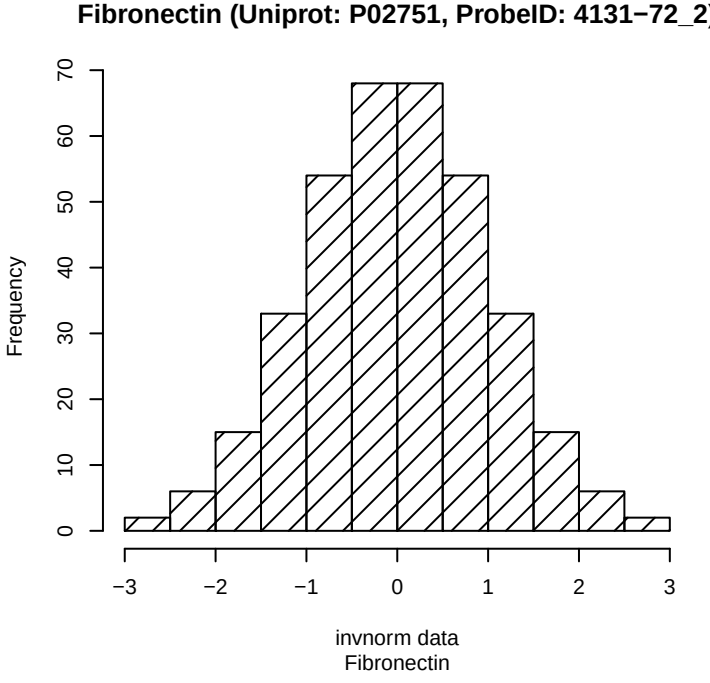

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
invnorm data
−2
−1
0
1
2
G/G (178)
G/A (126)
A/A (49)
rs7531555 (Chr1:196929310)
Locus 76 top sentinel (tags KORA rs10801582), p=7.9e−11

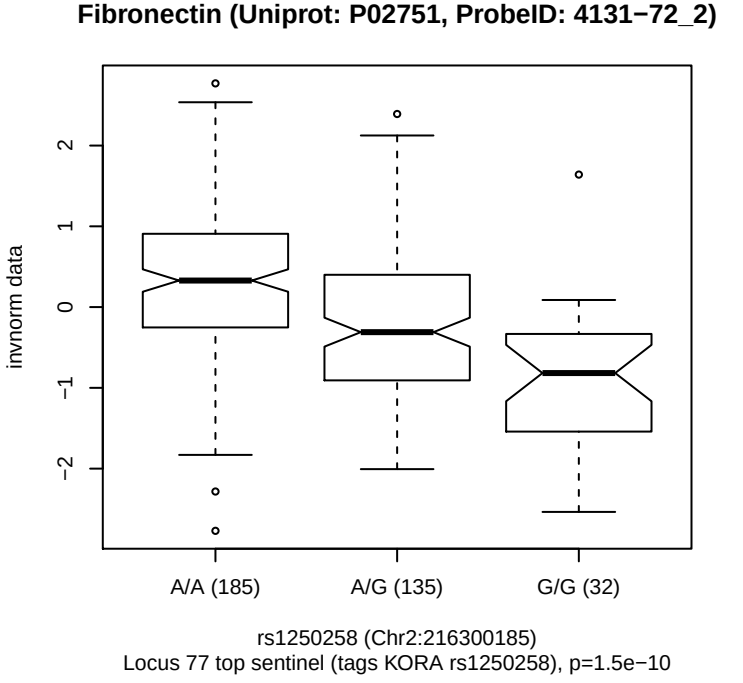

Fibronectin (Uniprot: P02751, ProbeID: 4131−72_2)
Frequency
0
20
40
60
80
10000
15000
20000
25000
30000
raw data
Fibronectin

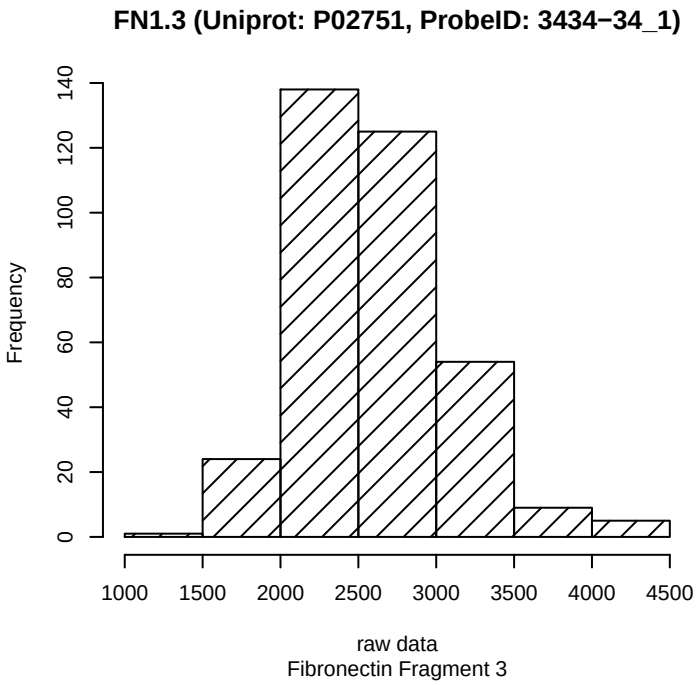

Fibronectin (Uniprot: P02751, ProbeID: 4131−72_2)
raw data
10000
15000
20000
25000
30000
A/A (185)
A/G (135)
G/G (32)
rs1250258 (Chr2:216300185)
Locus 77 top sentinel (tags KORA rs1250258), p=1.6e−09

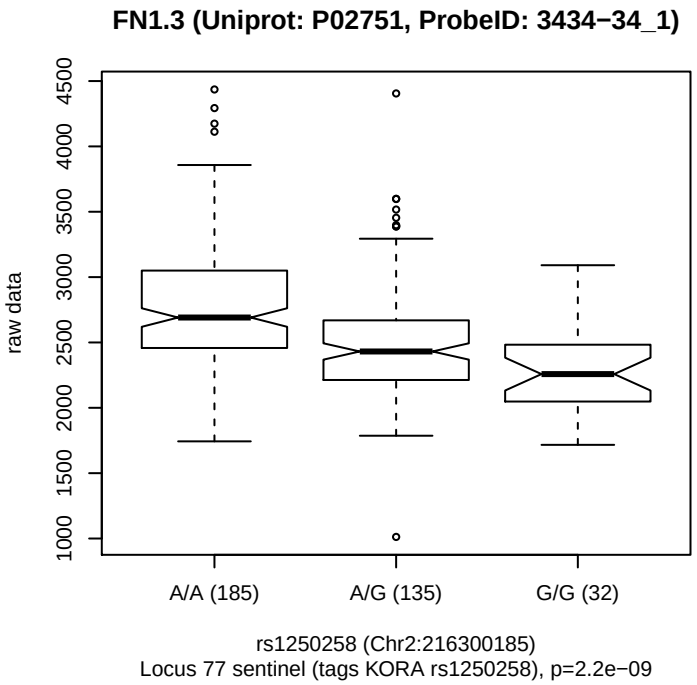

Fibronectin (Uniprot: P02751, ProbeID: 4131−72_2)
Frequency
0
20
40
60
80
100
13.5
14.0
14.5
15.0
log2−scaled data
Fibronectin

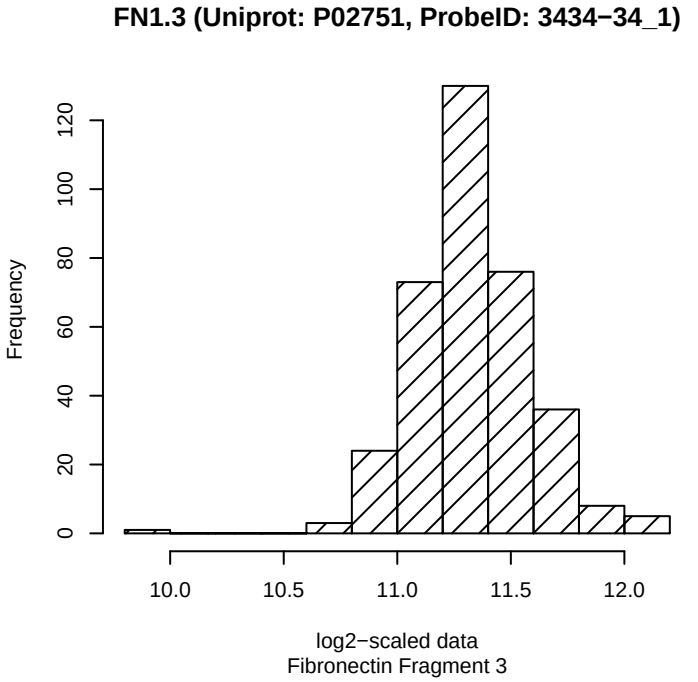

Fibronectin (Uniprot: P02751, ProbeID: 4131−72_2)
log2−scaled data
13.5
14.0
14.5
A/A (185)
A/G (135)
G/G (32)
rs1250258 (Chr2:216300185)
Locus 77 top sentinel (tags KORA rs1250258), p=2.8e−10, FC=−1.1145

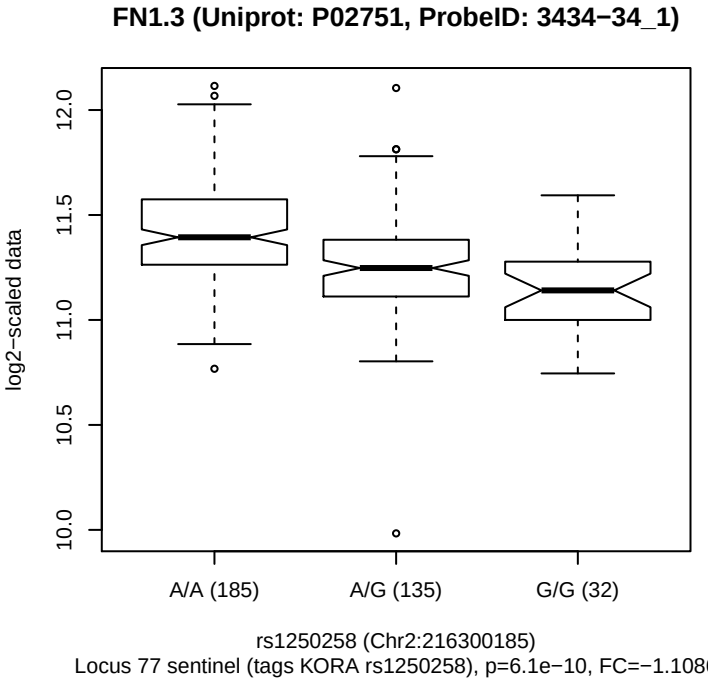

Fibronectin (Uniprot: P02751, ProbeID: 4131−72_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Fibronectin

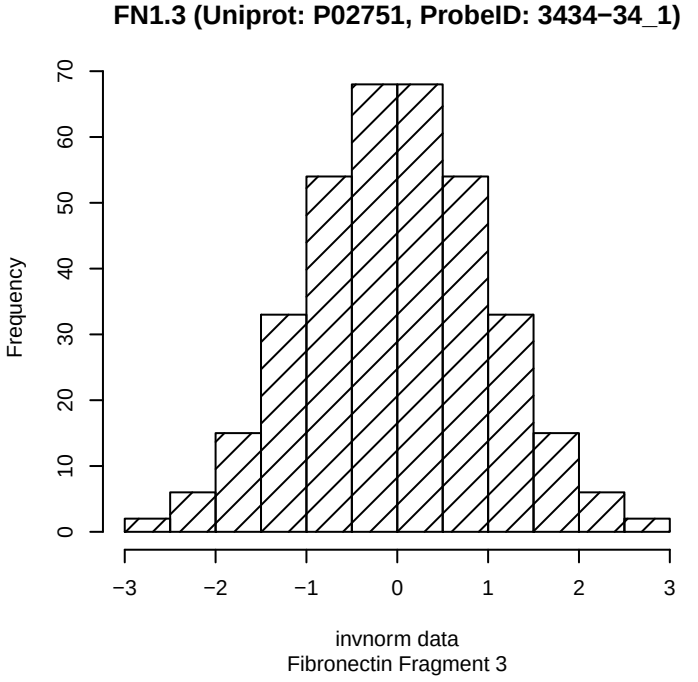

Fibronectin (Uniprot: P02751, ProbeID: 4131−72_2)
invnorm data
−2
−1
0
1
2
A/A (185)
A/G (135)
G/G (32)
rs1250258 (Chr2:216300185)
Locus 77 top sentinel (tags KORA rs1250258), p=1.5e−10

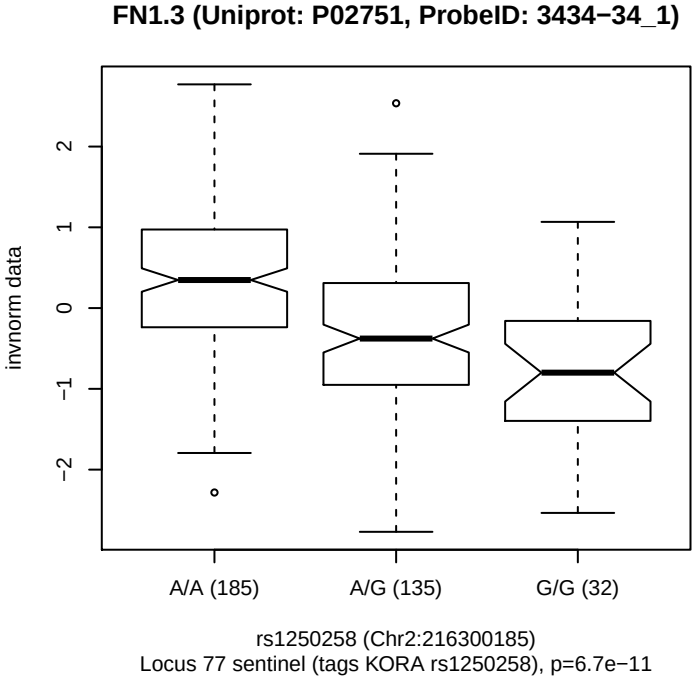

FN1.3 (Uniprot: P02751, ProbeID: 3434−34_1)
Frequency
0
20
40
60
80
100
120
140
1000
1500
2000
2500
3000
3500
4000
4500
raw data
Fibronectin Fragment 3

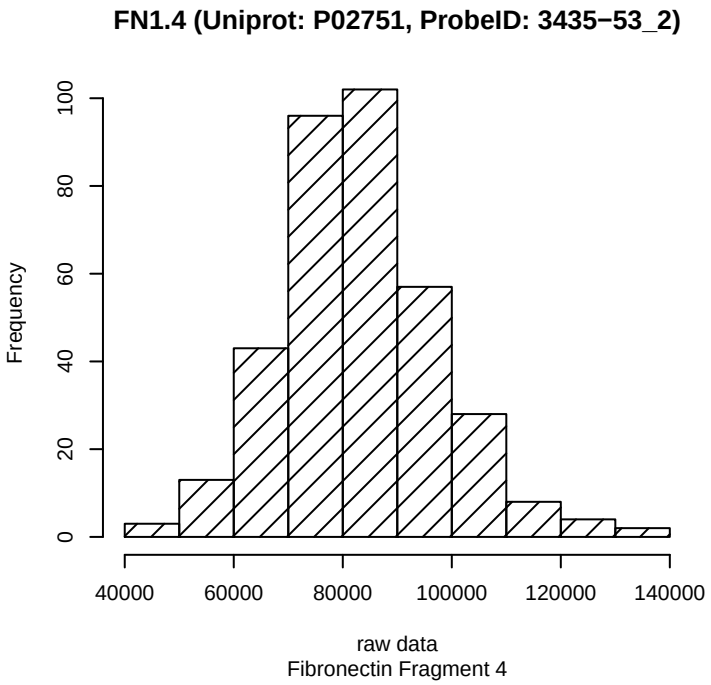

FN1.3 (Uniprot: P02751, ProbeID: 3434−34_1)
raw data
1000
1500
2000
2500
3000
3500
4000
4500
A/A (185)
A/G (135)
G/G (32)
rs1250258 (Chr2:216300185)
Locus 77 sentinel (tags KORA rs1250258), p=2.2e−09

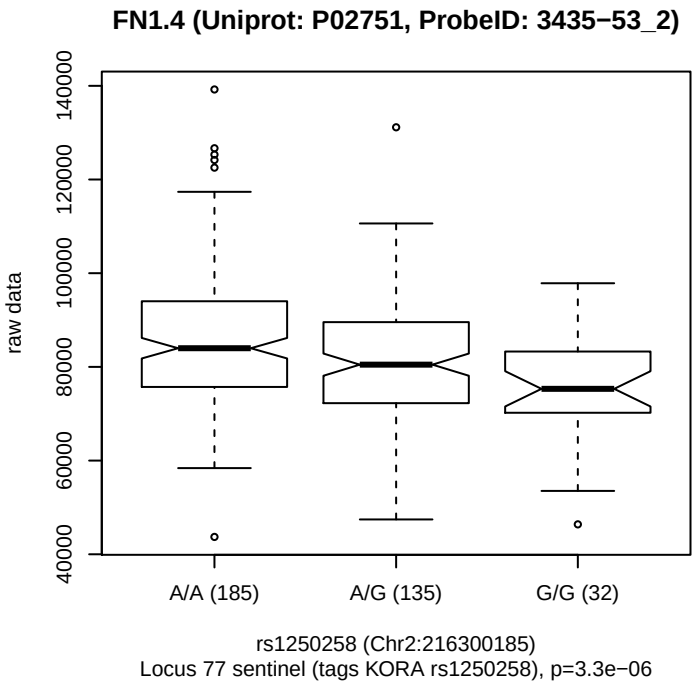

FN1.3 (Uniprot: P02751, ProbeID: 3434−34_1)
Frequency
0
20
40
60
80
100
120
10.0
10.5
11.0
11.5
12.0
log2−scaled data
Fibronectin Fragment 3

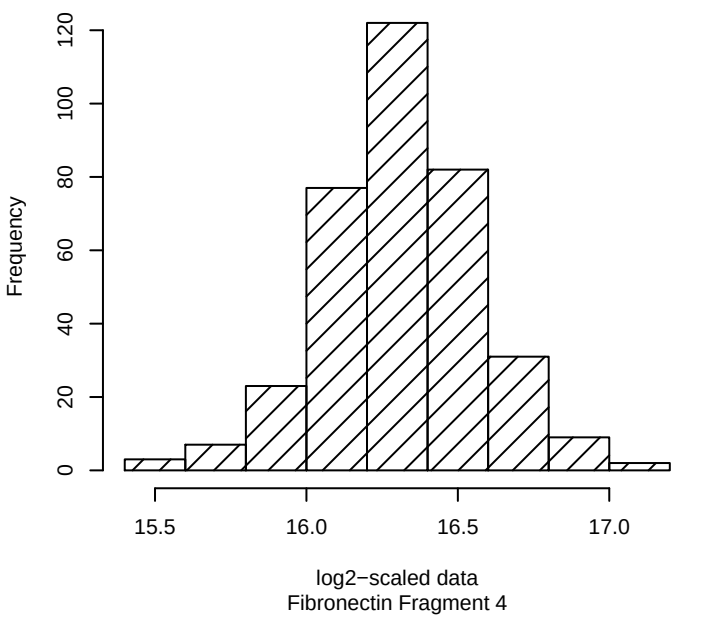

FN1.3 (Uniprot: P02751, ProbeID: 3434−34_1)
log2−scaled data
10.0
10.5
11.0
11.5
12.0
A/A (185)
A/G (135)
G/G (32)
rs1250258 (Chr2:216300185)
Locus 77 sentinel (tags KORA rs1250258), p=6.1e−10, FC=−1.1086

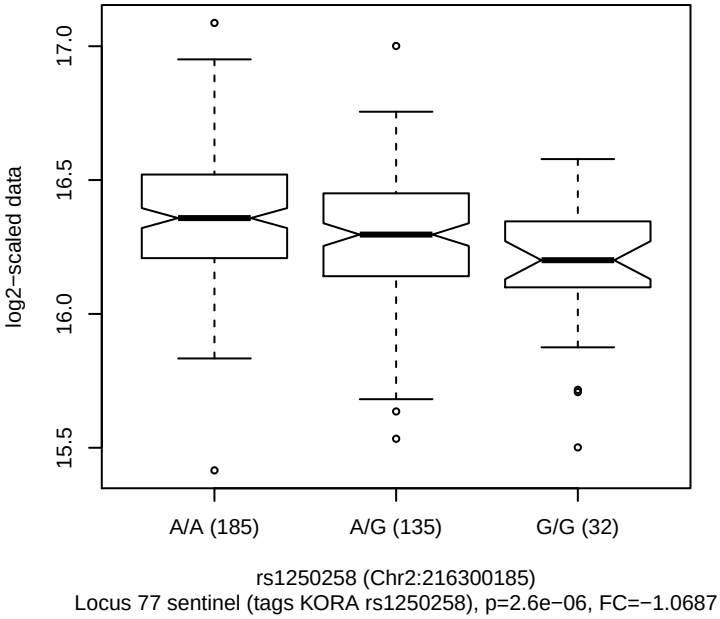

FN1.3 (Uniprot: P02751, ProbeID: 3434−34_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Fibronectin Fragment 3

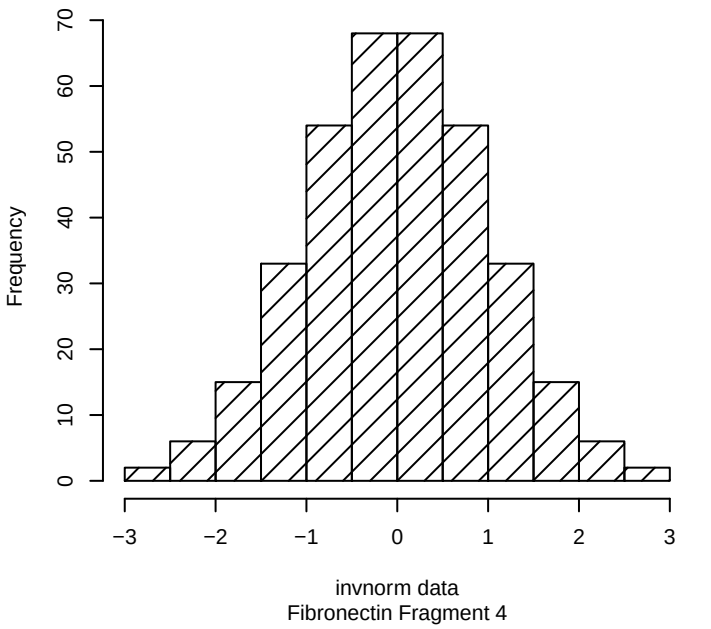

FN1.3 (Uniprot: P02751, ProbeID: 3434−34_1)
invnorm data
−2
−1
0
1
2
A/A (185)
A/G (135)
G/G (32)
rs1250258 (Chr2:216300185)
Locus 77 sentinel (tags KORA rs1250258), p=6.7e−11

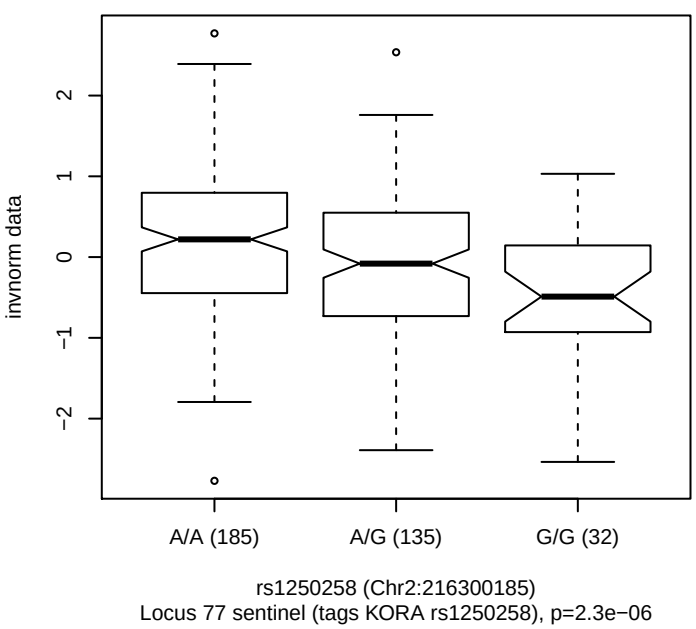

FN1.4 (Uniprot: P02751, ProbeID: 3435−53_2)
Frequency
0
20
40
60
80
100
40000
60000
80000
100000
120000
140000
raw data
Fibronectin Fragment 4

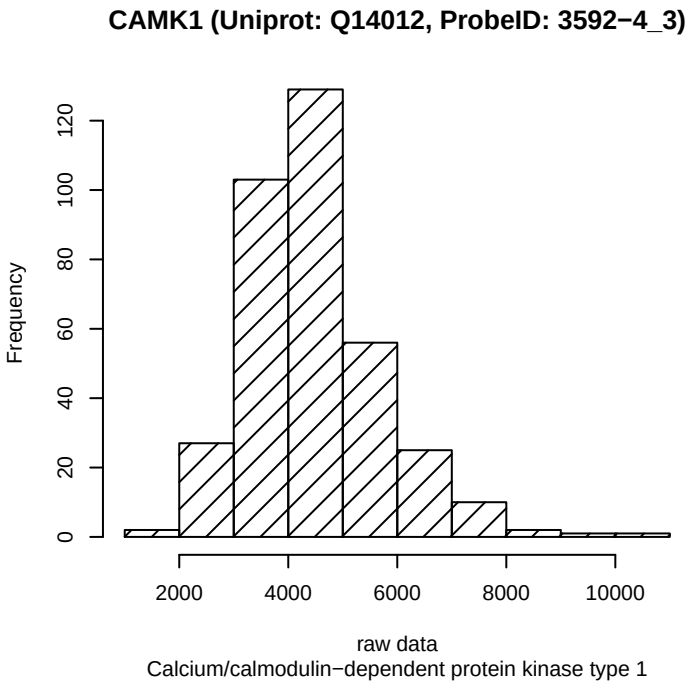

FN1.4 (Uniprot: P02751, ProbeID: 3435−53_2)
raw data
40000
60000
80000
100000
120000
140000
A/A (185)
A/G (135)
G/G (32)
rs1250258 (Chr2:216300185)
Locus 77 sentinel (tags KORA rs1250258), p=3.3e−06

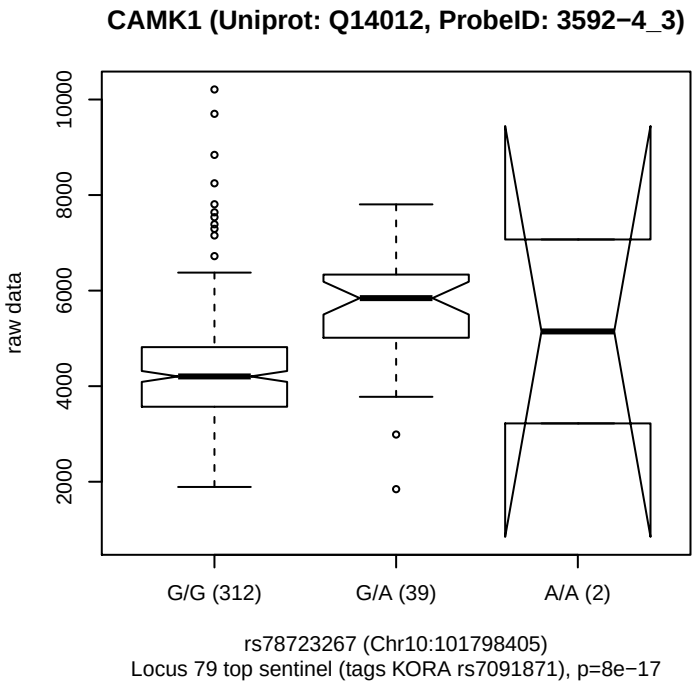

FN1.4 (Uniprot: P02751, ProbeID: 3435−53_2)
Frequency
0
20
40
60
80
100
120
15.5
16.0
16.5
17.0
log2−scaled data
Fibronectin Fragment 4

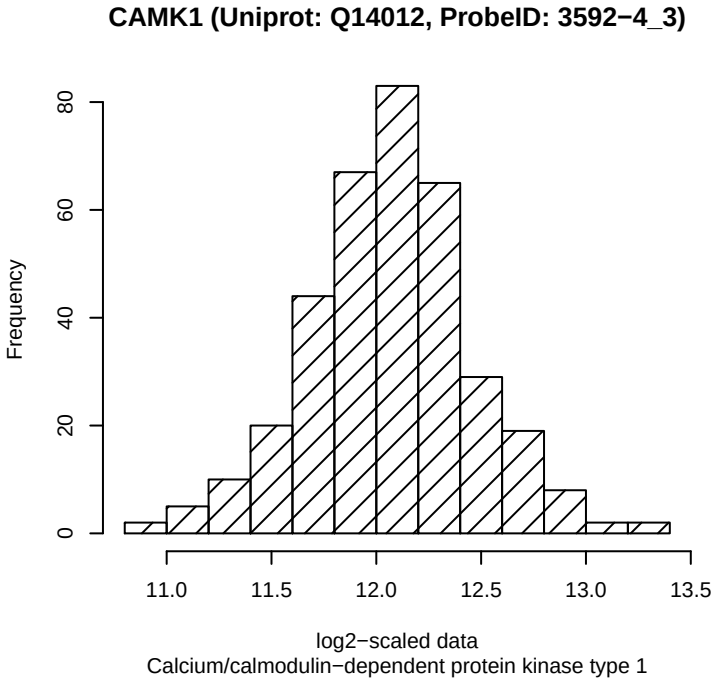

FN1.4 (Uniprot: P02751, ProbeID: 3435−53_2)
log2−scaled data
15.5
16.0
16.5
17.0
A/A (185)
A/G (135)
G/G (32)
rs1250258 (Chr2:216300185)
Locus 77 sentinel (tags KORA rs1250258), p=2.6e−06, FC=−1.0687

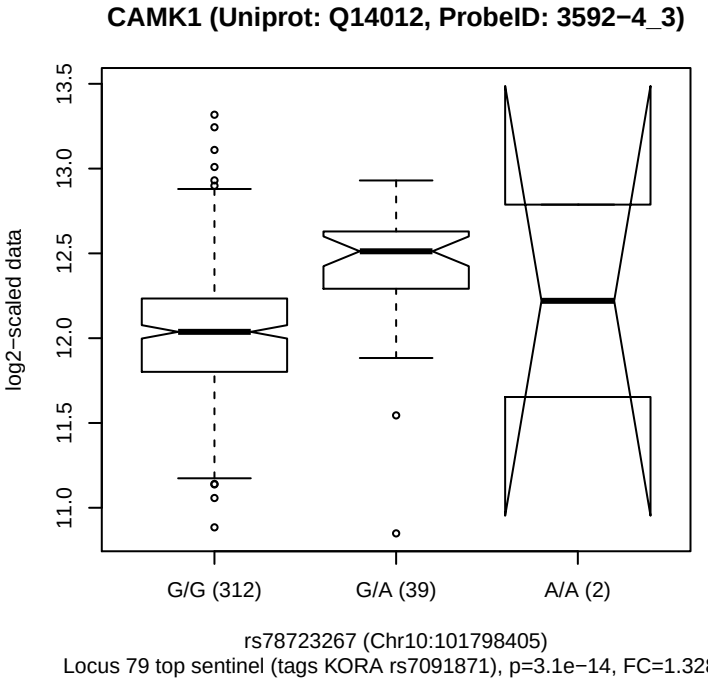

FN1.4 (Uniprot: P02751, ProbeID: 3435−53_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Fibronectin Fragment 4

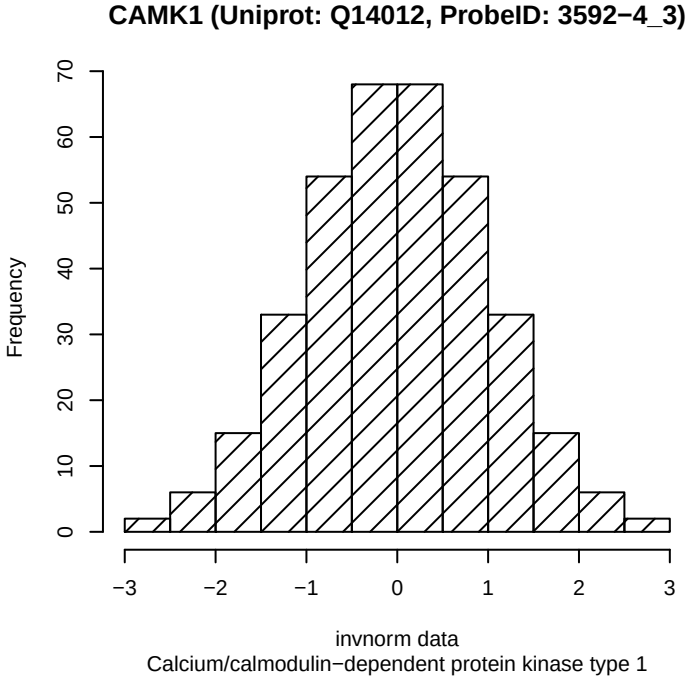

FN1.4 (Uniprot: P02751, ProbeID: 3435−53_2)
invnorm data
−2
−1
0
1
2
A/A (185)
A/G (135)
G/G (32)
rs1250258 (Chr2:216300185)
Locus 77 sentinel (tags KORA rs1250258), p=2.3e−06

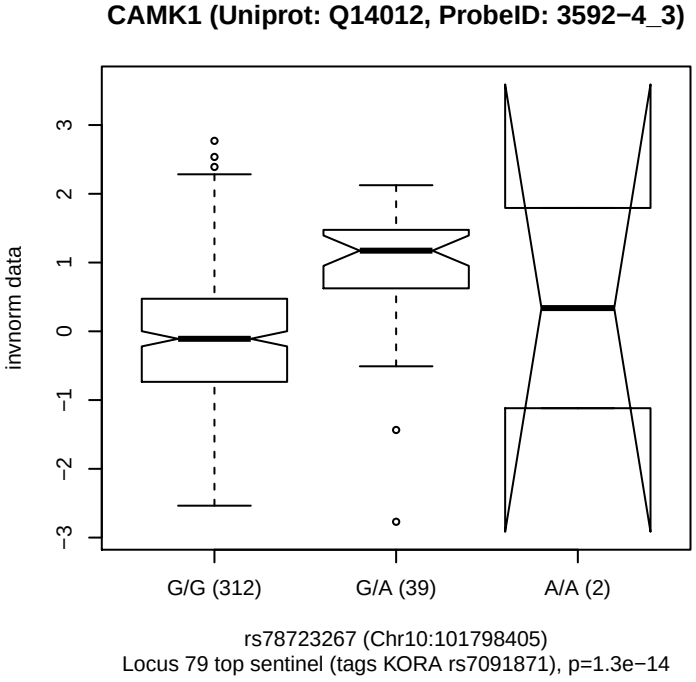

CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)
Frequency
0
20
40
60
80
100
120
2000
4000
6000
8000
10000
raw data
Calcium/calmodulin−dependent protein kinase type 1

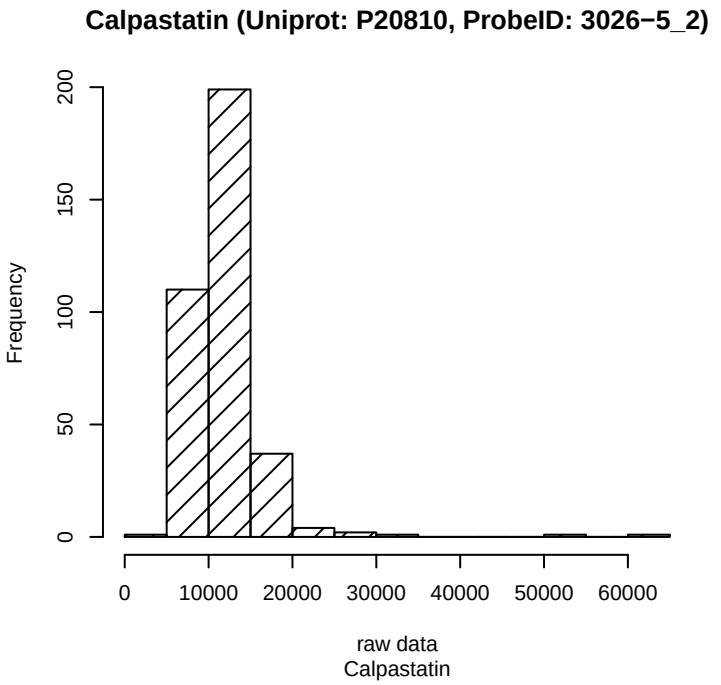

CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)
raw data
2000
4000
6000
8000
10000
G/G (312)
G/A (39)
A/A (2)
rs78723267 (Chr10:101798405)
Locus 79 top sentinel (tags KORA rs7091871), p=8e−17

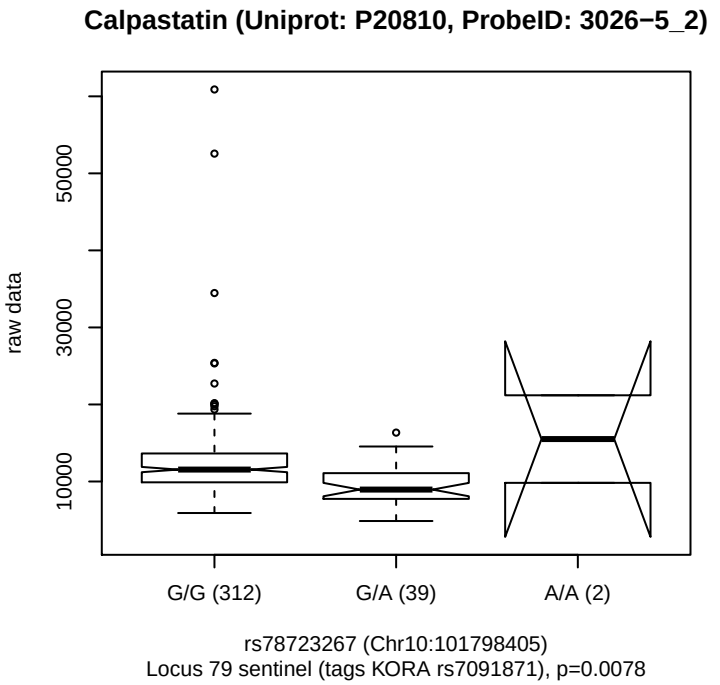

CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)
Frequency
0
20
40
60
80
11.0
11.5
12.0
12.5
13.0
13.5
log2−scaled data
Calcium/calmodulin−dependent protein kinase type 1

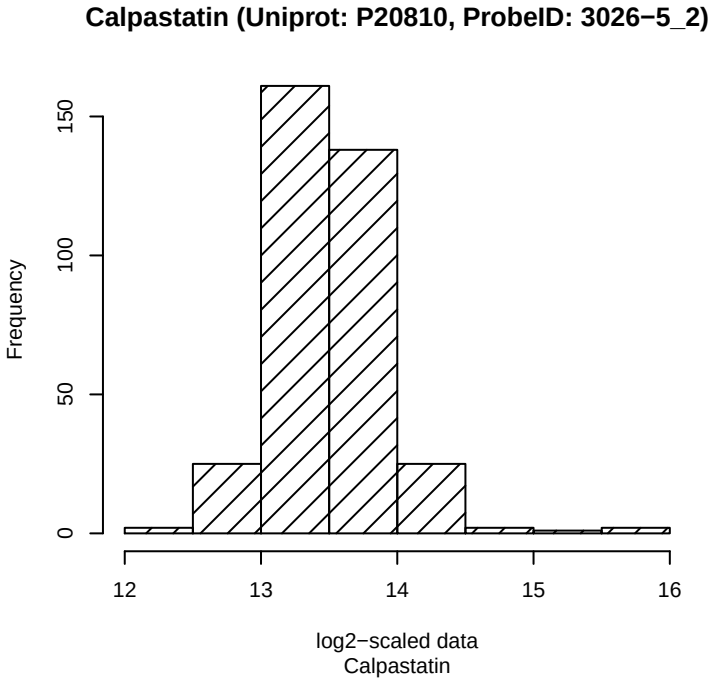

CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)
log2−scaled data
11.0
11.5
12.0
12.5
13.0
13.5
G/G (312)
G/A (39)
A/A (2)
rs78723267 (Chr10:101798405)
Locus 79 top sentinel (tags KORA rs7091871), p=3.1e−14, FC=1.3283

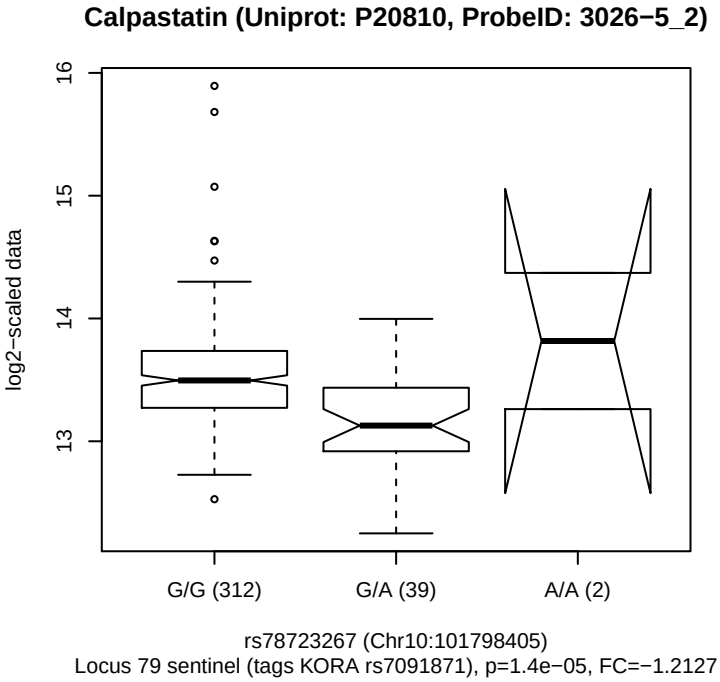

CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Calcium/calmodulin−dependent protein kinase type 1

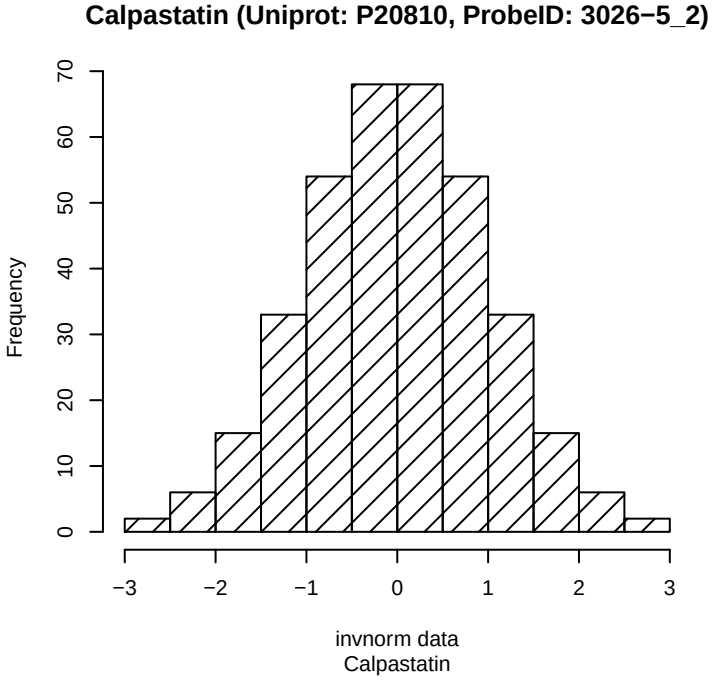

CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)
invnorm data
−3
−2
−1
0
1
2
3
G/G (312)
G/A (39)
A/A (2)
rs78723267 (Chr10:101798405)
Locus 79 top sentinel (tags KORA rs7091871), p=1.3e−14

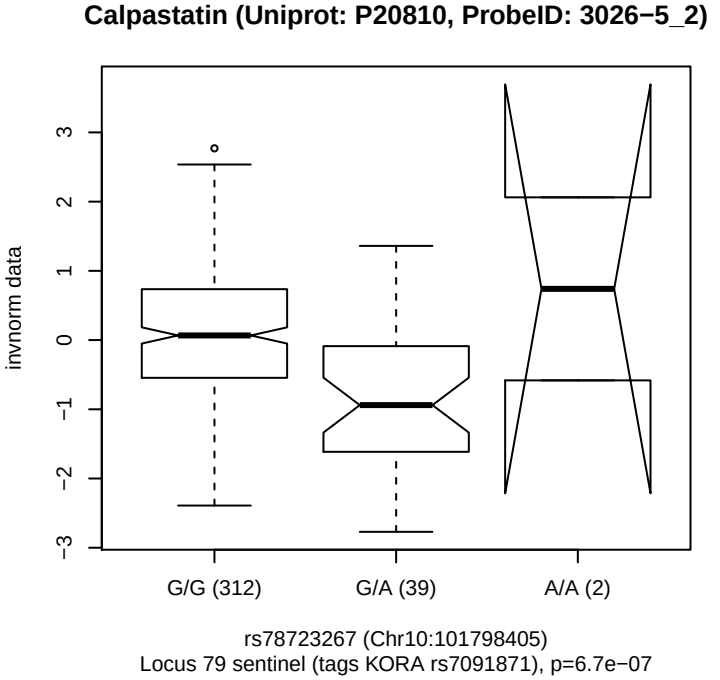

Calpastatin (Uniprot: P20810, ProbeID: 3026−5_2)
Frequency
0
50
100
150
200
0
10000
20000
30000
40000
50000
60000
raw data
Calpastatin


Calpastatin (Uniprot: P20810, ProbeID: 3026−5_2)
raw data
10000
30000
50000
G/G (312)
G/A (39)
A/A (2)
rs78723267 (Chr10:101798405)
Locus 79 sentinel (tags KORA rs7091871), p=0.0078

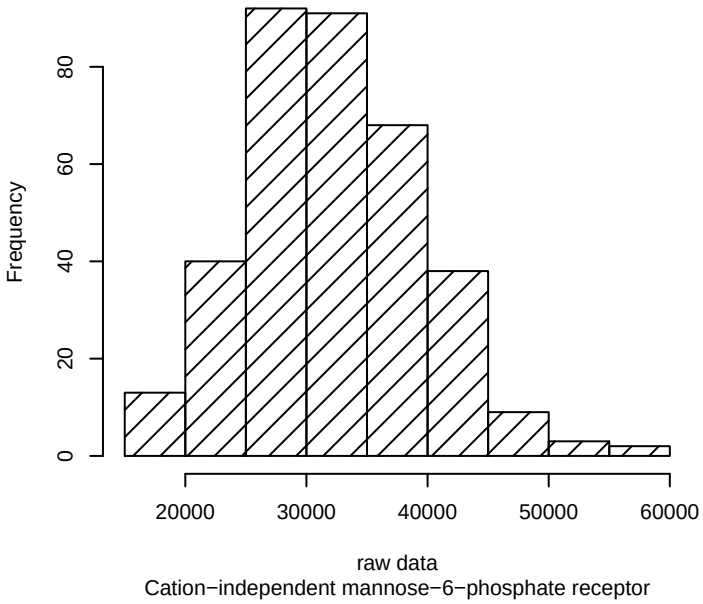

Calpastatin (Uniprot: P20810, ProbeID: 3026−5_2)
Frequency
0
50
100
150
12
13
14
15
16
log2−scaled data
Calpastatin


Calpastatin (Uniprot: P20810, ProbeID: 3026−5_2)
log2−scaled data
13
14
15
16
G/G (312)
G/A (39)
A/A (2)
rs78723267 (Chr10:101798405)
Locus 79 sentinel (tags KORA rs7091871), p=1.4e−05, FC=−1.2127


Calpastatin (Uniprot: P20810, ProbeID: 3026−5_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Calpastatin

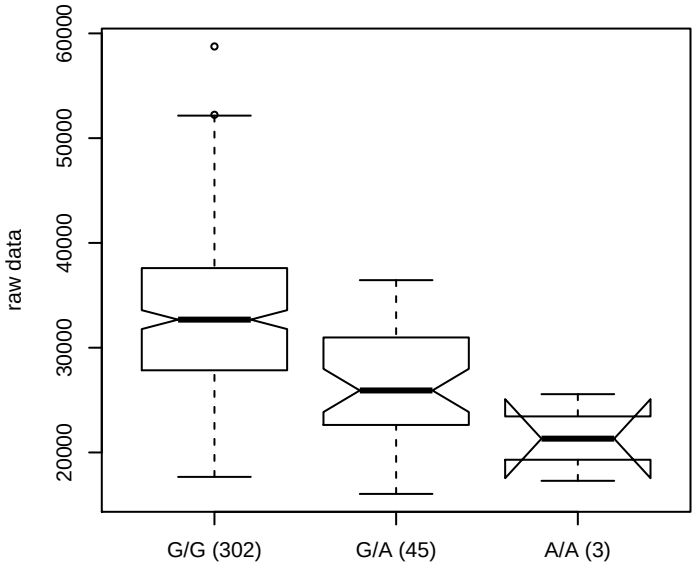

Calpastatin (Uniprot: P20810, ProbeID: 3026−5_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (312)
G/A (39)
A/A (2)
rs78723267 (Chr10:101798405)
Locus 79 sentinel (tags KORA rs7091871), p=6.7e−07

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



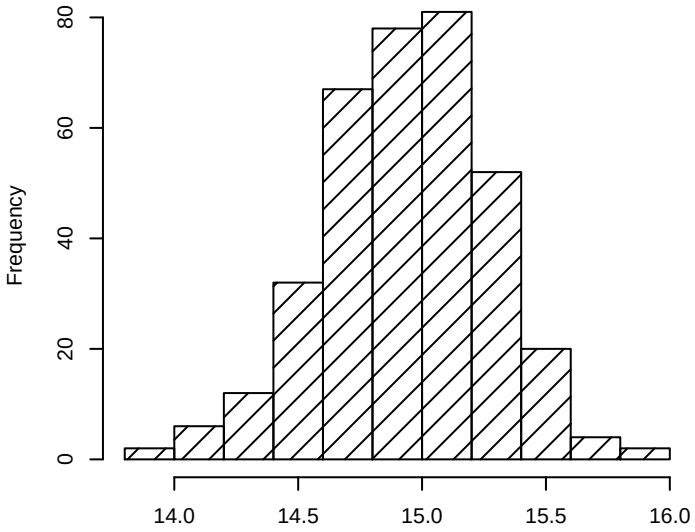
Cation−independent mannose−6−phosphate receptor

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



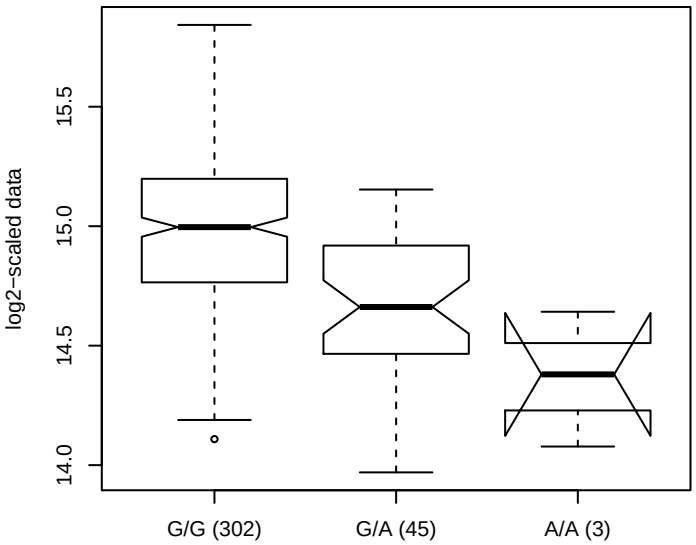
rs629849 (Chr6:160494409)
Locus 80 top sentinel (tags KORA rs600324), p=1.6e−08

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



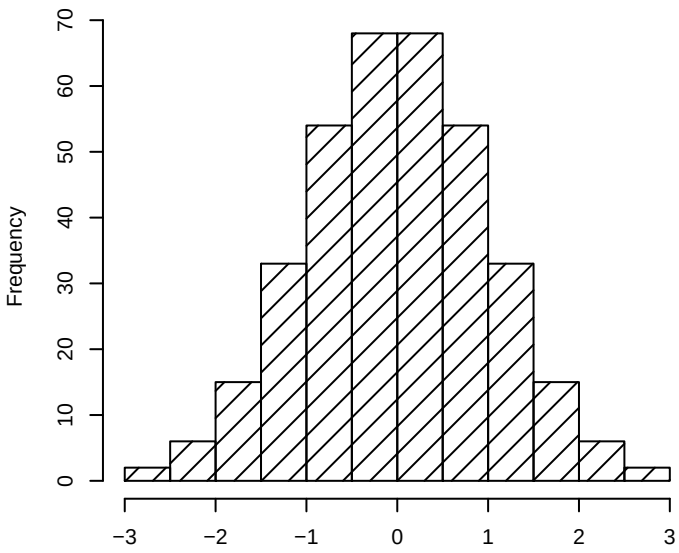
Cation−independent mannose−6−phosphate receptor

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



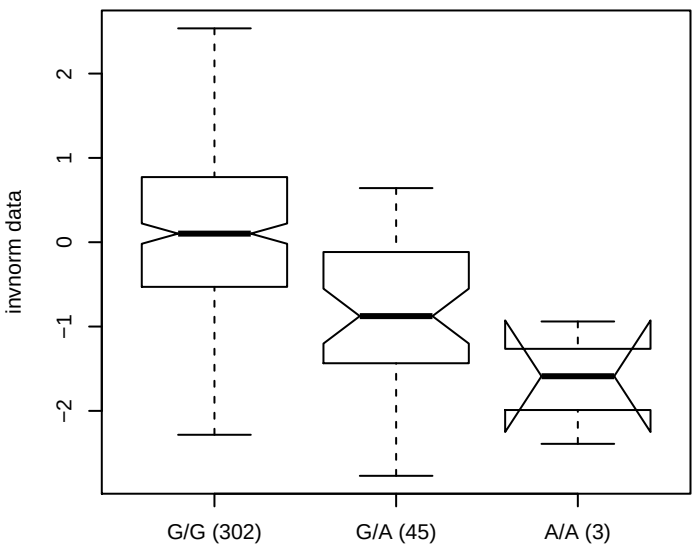
rs629849 (Chr6:160494409)
Locus 80 top sentinel (tags KORA rs600324), p=9.2e−11, FC=−1.2062

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

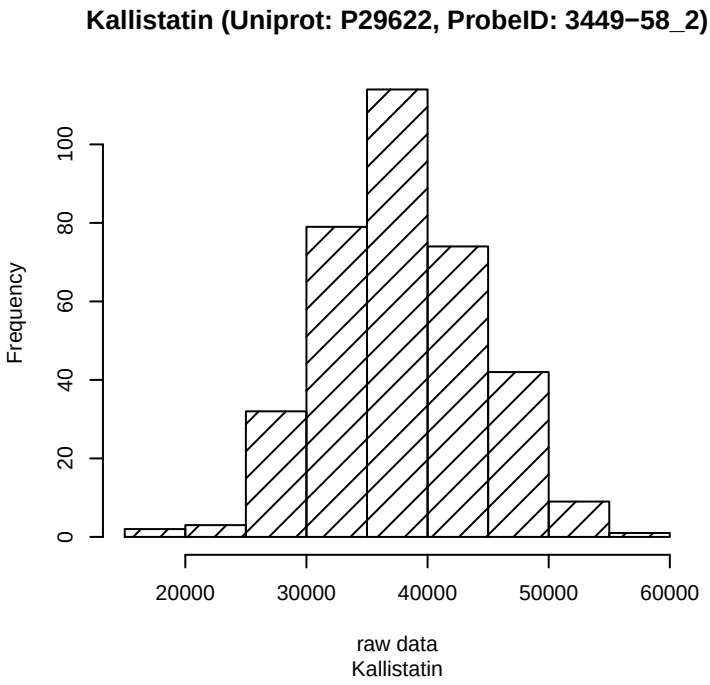


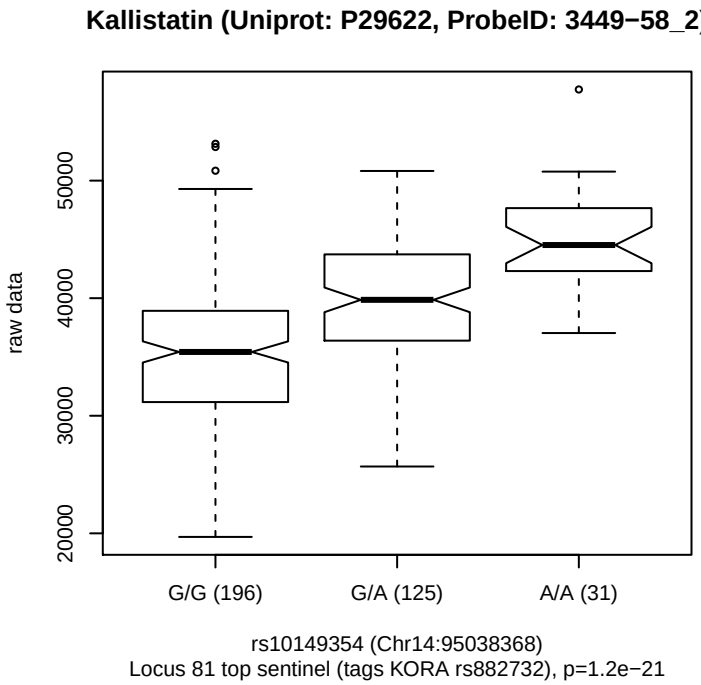
Cation−independent mannose−6−phosphate receptor

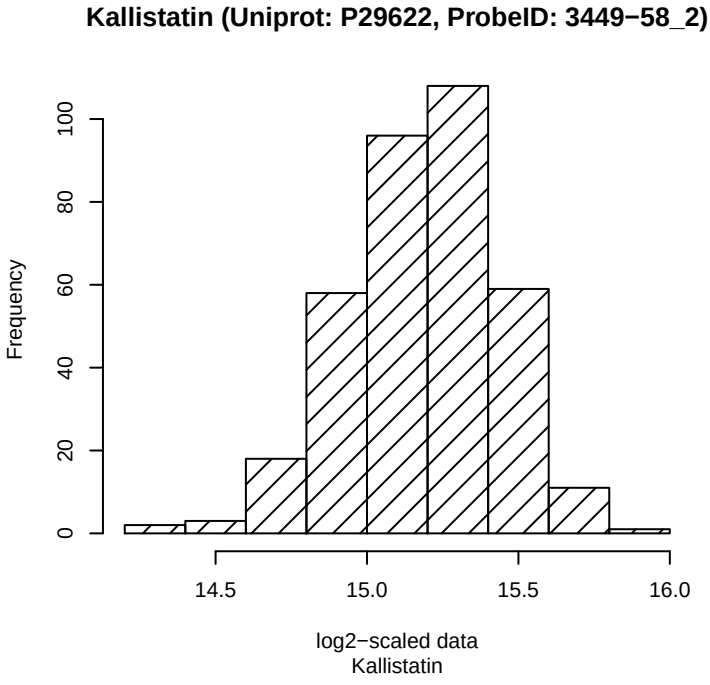
IGF−II receptor (Uniprot: P11717, ProbeID: 3676−15_3)

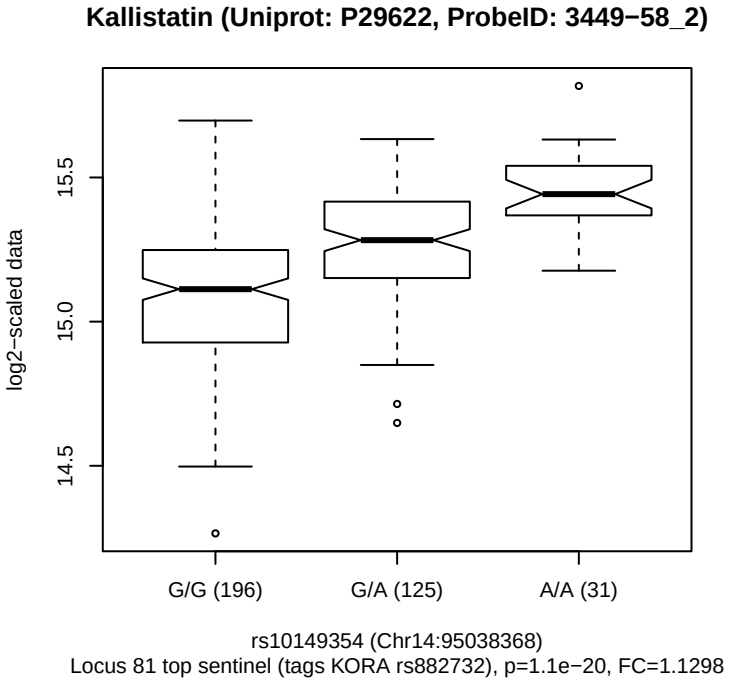


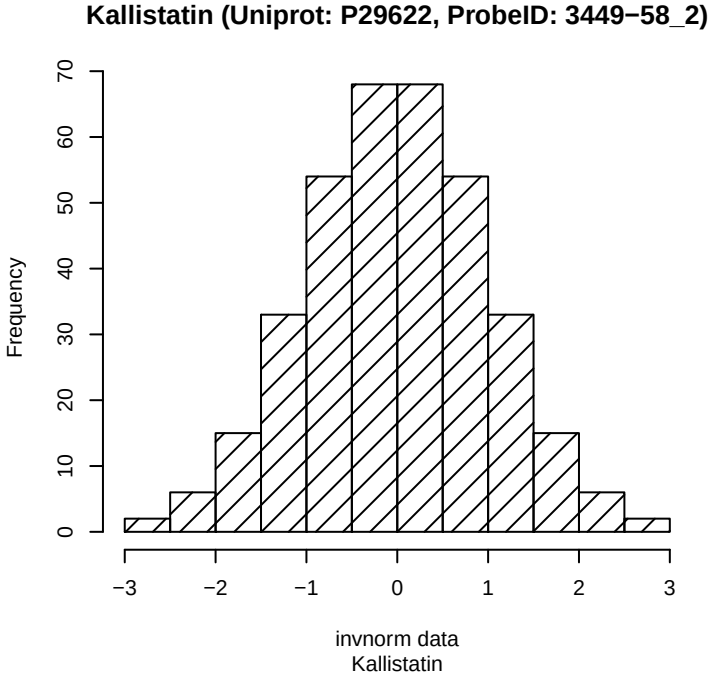
rs629849 (Chr6:160494409)
Locus 80 top sentinel (tags KORA rs600324), p=5.7e−10

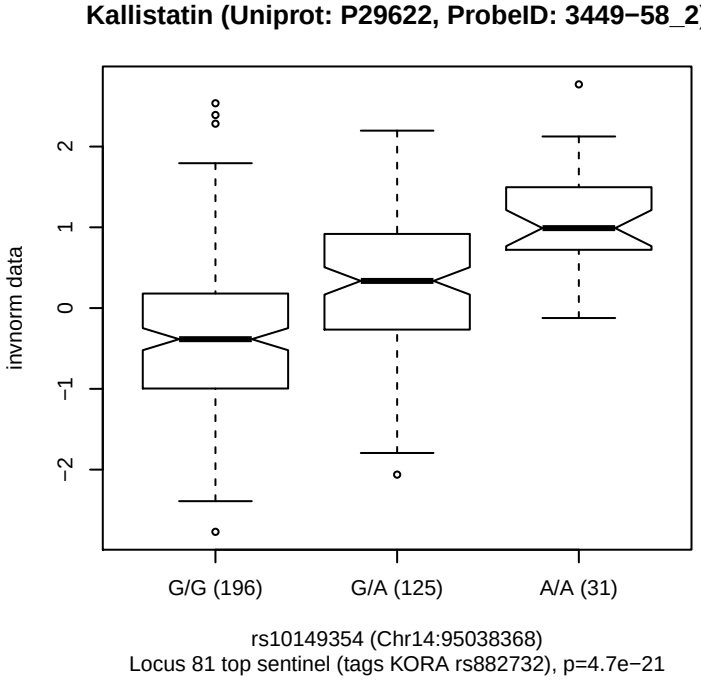

Kallistatin (Uniprot: P29622, ProbeID: 3449−58_2)
Frequency
0
20
40
60
80
100
20000
30000
40000
50000
60000
raw data
Kallistatin

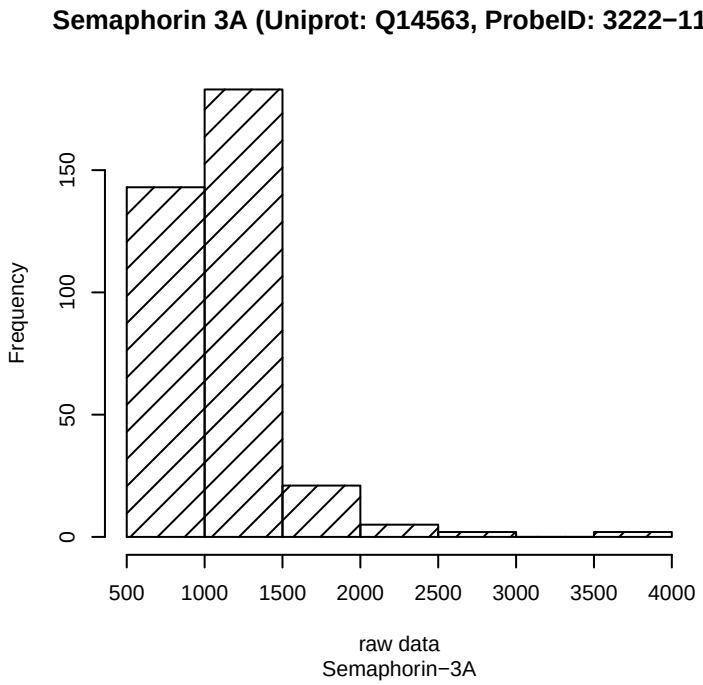

Kallistatin (Uniprot: P29622, ProbeID: 3449−58_2)
raw data
20000
30000
40000
50000
G/G (196)
G/A (125)
A/A (31)
rs10149354 (Chr14:95038368)
Locus 81 top sentinel (tags KORA rs882732), p=1.2e−21

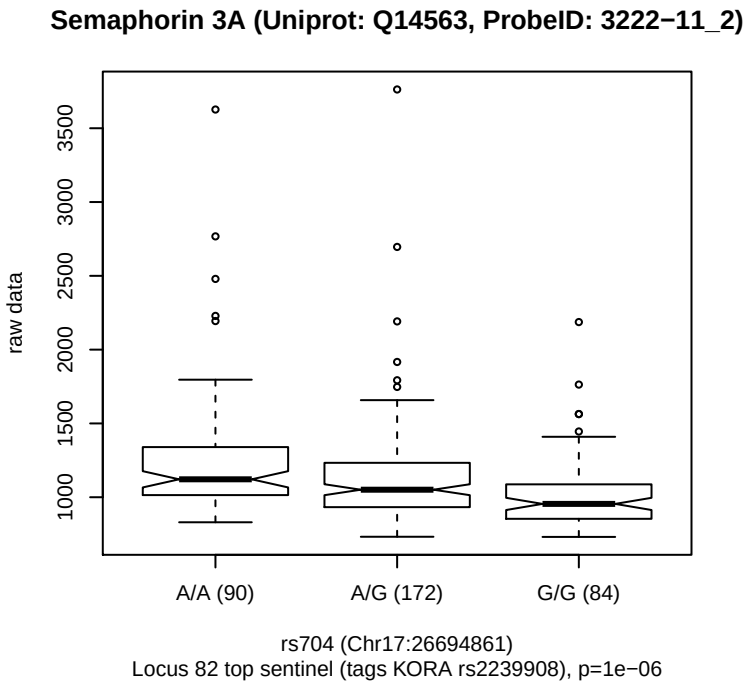

Kallistatin (Uniprot: P29622, ProbeID: 3449−58_2)
Frequency
0
20
40
60
80
100
14.5
15.0
15.5
16.0
log2−scaled data
Kallistatin

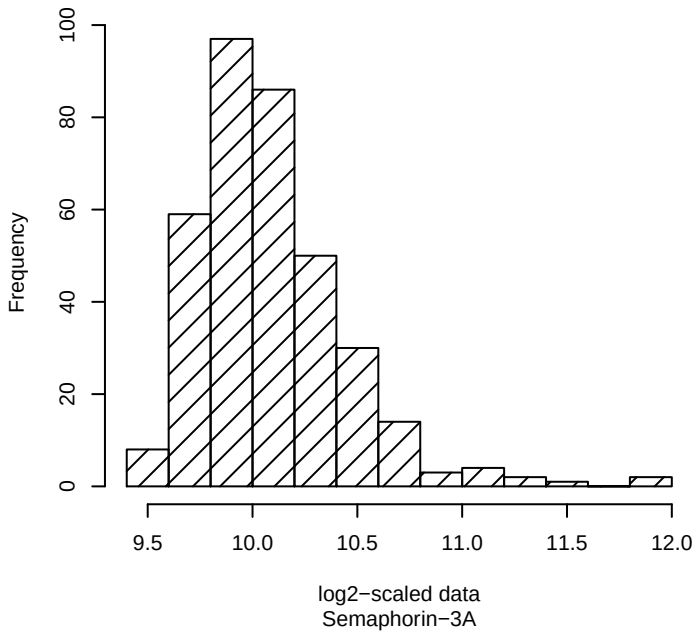

Kallistatin (Uniprot: P29622, ProbeID: 3449−58_2)
log2−scaled data
14.5
15.0
15.5
G/G (196)
G/A (125)
A/A (31)
rs10149354 (Chr14:95038368)
Locus 81 top sentinel (tags KORA rs882732), p=1.1e−20, FC=1.1298

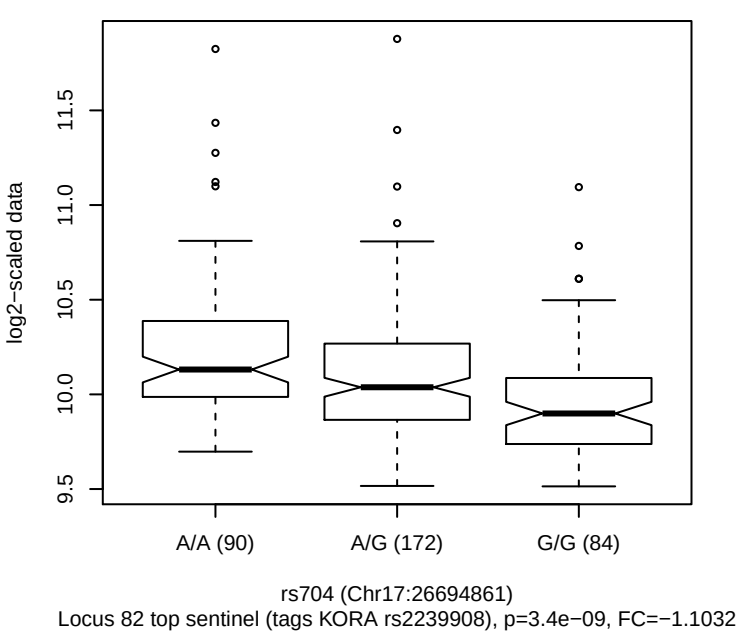

Kallistatin (Uniprot: P29622, ProbeID: 3449−58_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Kallistatin

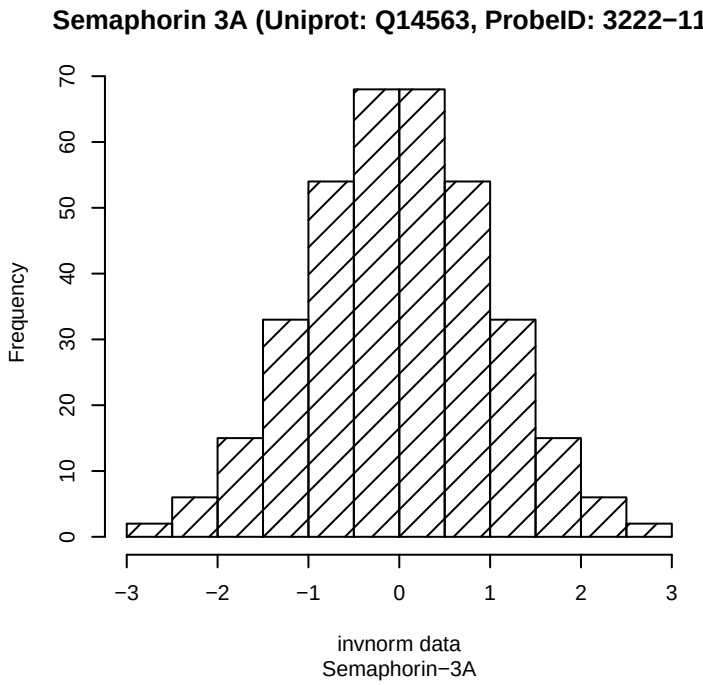

Kallistatin (Uniprot: P29622, ProbeID: 3449−58_2)
invnorm data
−2
−1
0
1
2
G/G (196)
G/A (125)
A/A (31)
rs10149354 (Chr14:95038368)
Locus 81 top sentinel (tags KORA rs882732), p=4.7e−21

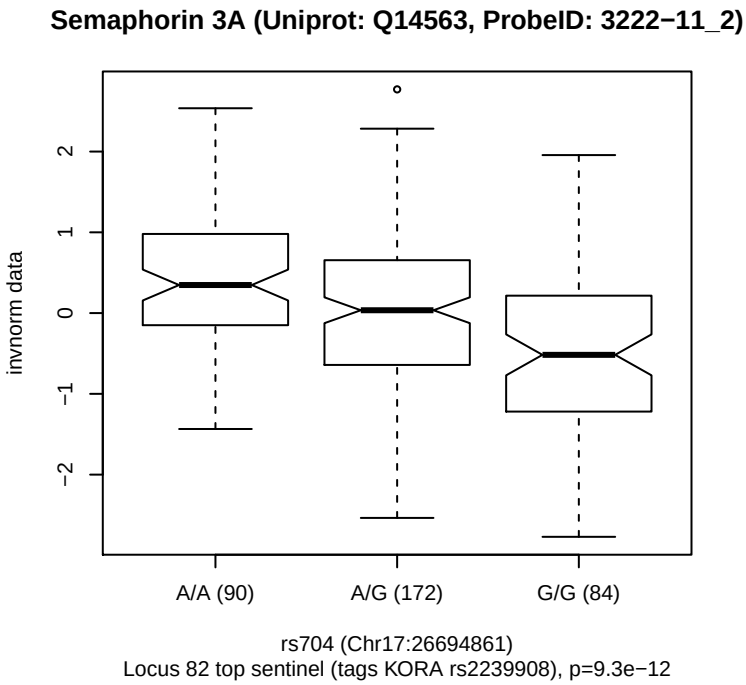

Semaphorin 3A (Uniprot: Q14563, ProbeID: 3222−11_2)
Frequency
0
50
100
150
500
1000
1500
2000
2500
3000
3500
4000
raw data
Semaphorin−3A


Semaphorin 3A (Uniprot: Q14563, ProbeID: 3222−11_2)
raw data
1000
1500
2000
2500
3000
3500
A/A (90)
A/G (172)
G/G (84)
rs704 (Chr17:26694861)
Locus 82 top sentinel (tags KORA rs2239908), p=1e−06

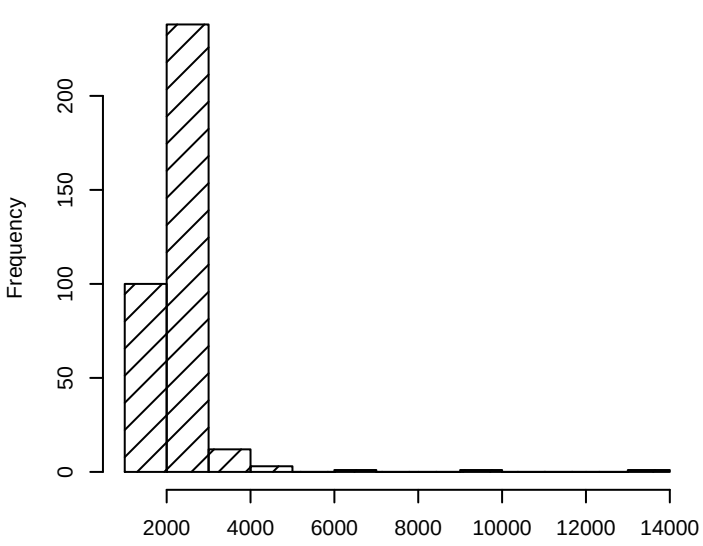

Semaphorin 3A (Uniprot: Q14563, ProbeID: 3222−11_2)
Frequency
0
20
40
60
80
100
9.5
10.0
10.5
11.0
11.5
12.0
log2−scaled data
Semaphorin−3A


Semaphorin 3A (Uniprot: Q14563, ProbeID: 3222−11_2)
log2−scaled data
9.5
10.0
10.5
11.0
11.5
A/A (90)
A/G (172)
G/G (84)
rs704 (Chr17:26694861)
Locus 82 top sentinel (tags KORA rs2239908), p=3.4e−09, FC=−1.1032


Semaphorin 3A (Uniprot: Q14563, ProbeID: 3222−11_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Semaphorin−3A

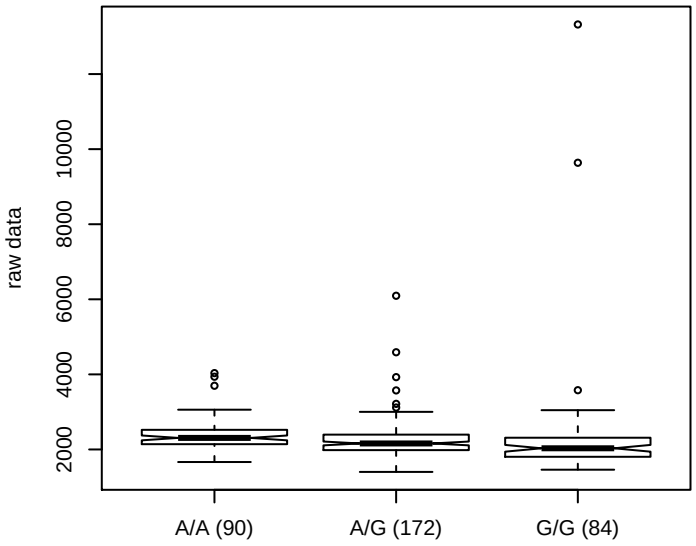

Semaphorin 3A (Uniprot: Q14563, ProbeID: 3222−11_2)
invnorm data
−2
−1
0
1
2
A/A (90)
A/G (172)
G/G (84)
rs704 (Chr17:26694861)
Locus 82 top sentinel (tags KORA rs2239908), p=9.3e−12

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



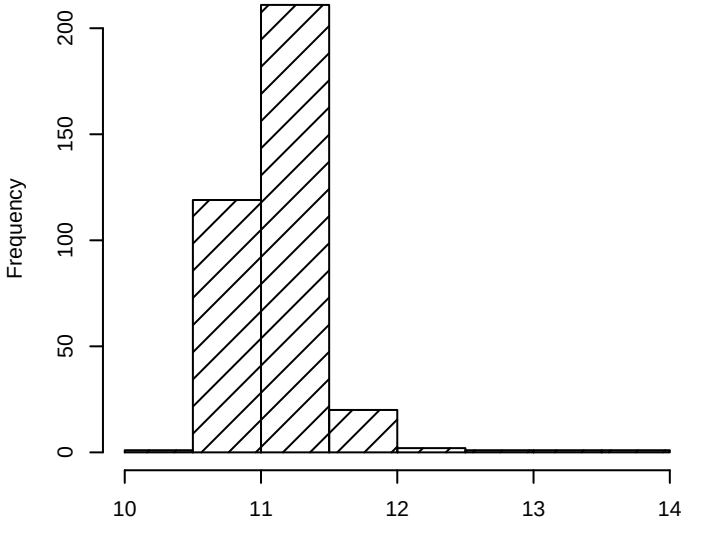
raw data
Calcium/calmodulin−dependent protein kinase type 1D

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



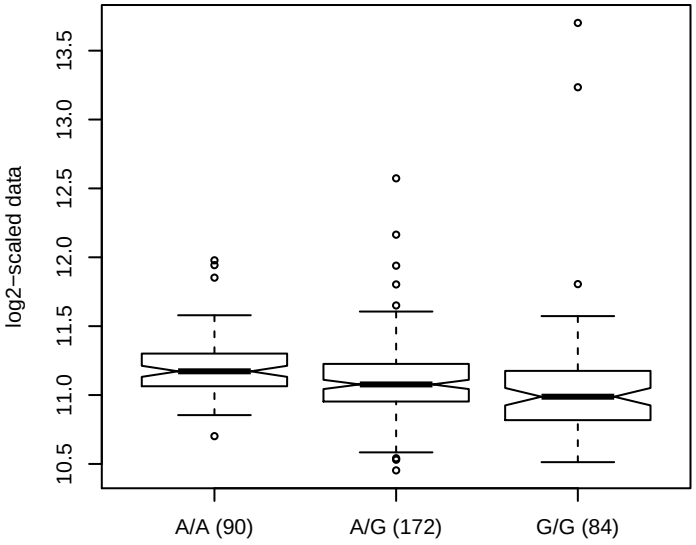
rs704 (Chr17:26694861)
Locus 82 sentinel (tags KORA rs2239908), p=0.71

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



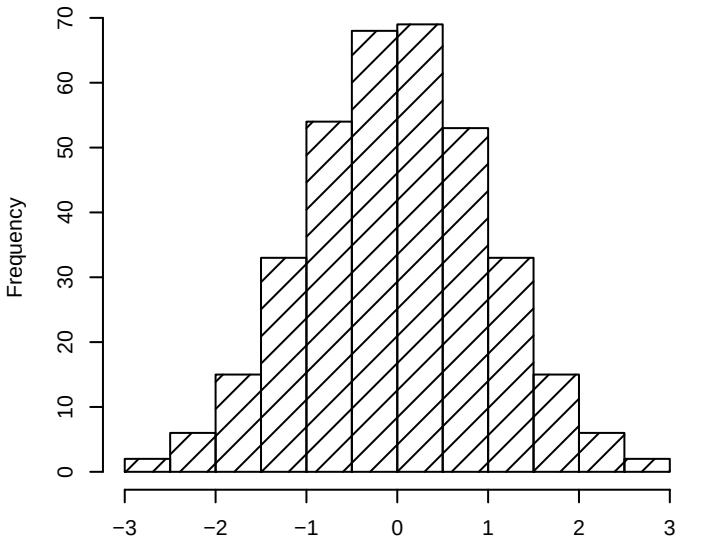
log2−scaled data
Calcium/calmodulin−dependent protein kinase type 1D

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



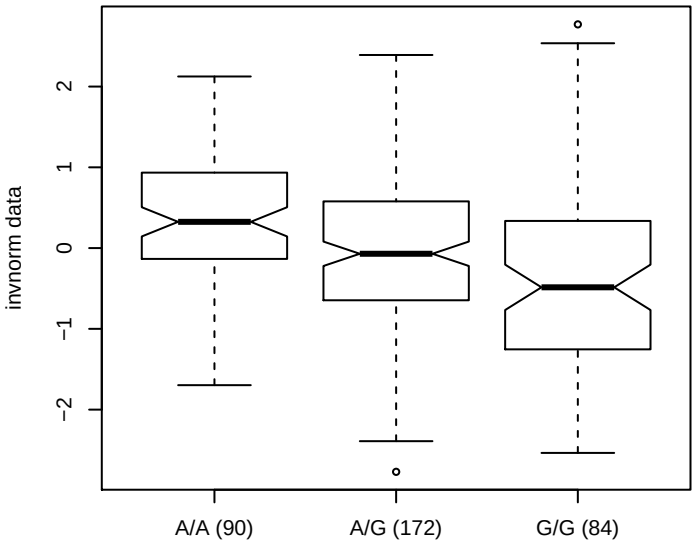
rs704 (Chr17:26694861)
Locus 82 sentinel (tags KORA rs2239908), p=0.004, FC=−1.0487

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

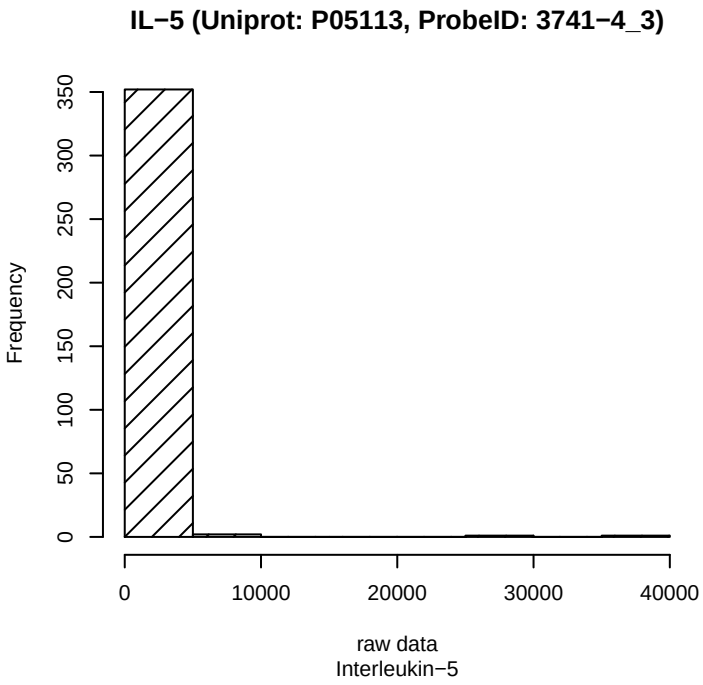


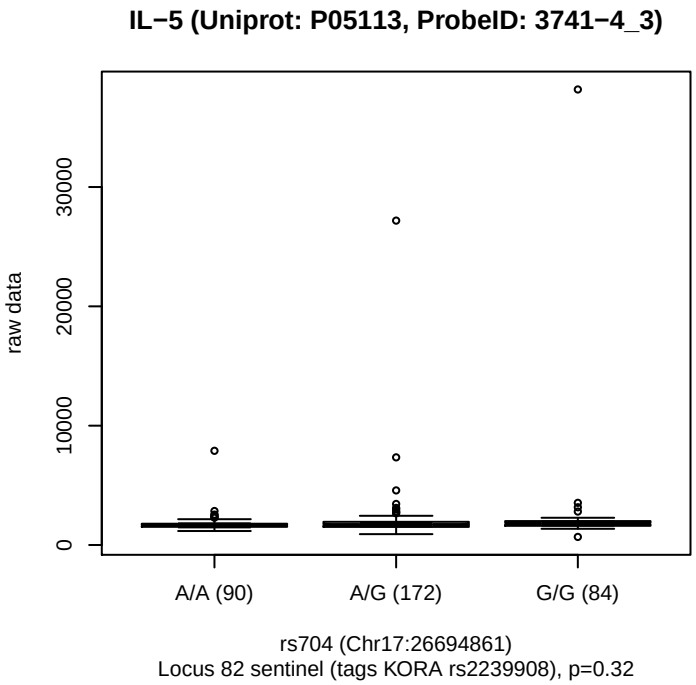
invnorm data
Calcium/calmodulin−dependent protein kinase type 1D

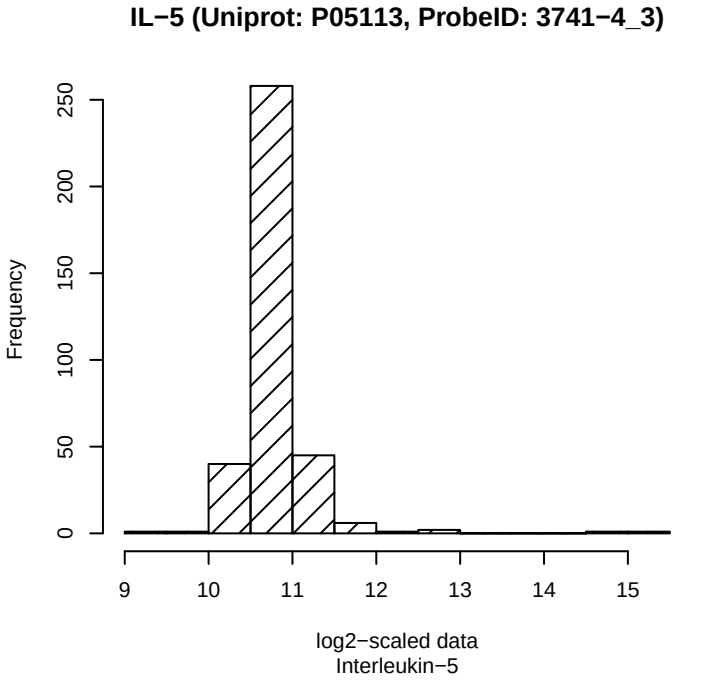
CAMK1D (Uniprot: Q8IU85, ProbeID: 3418−12_2)

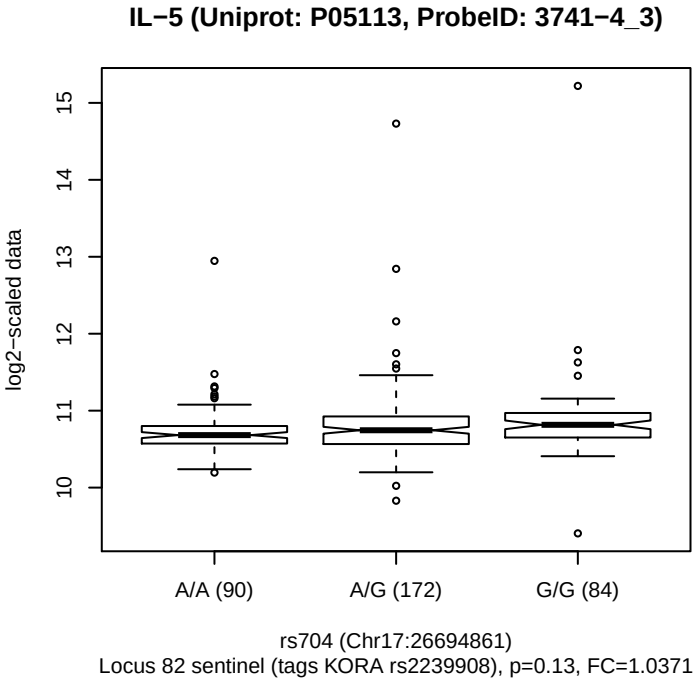


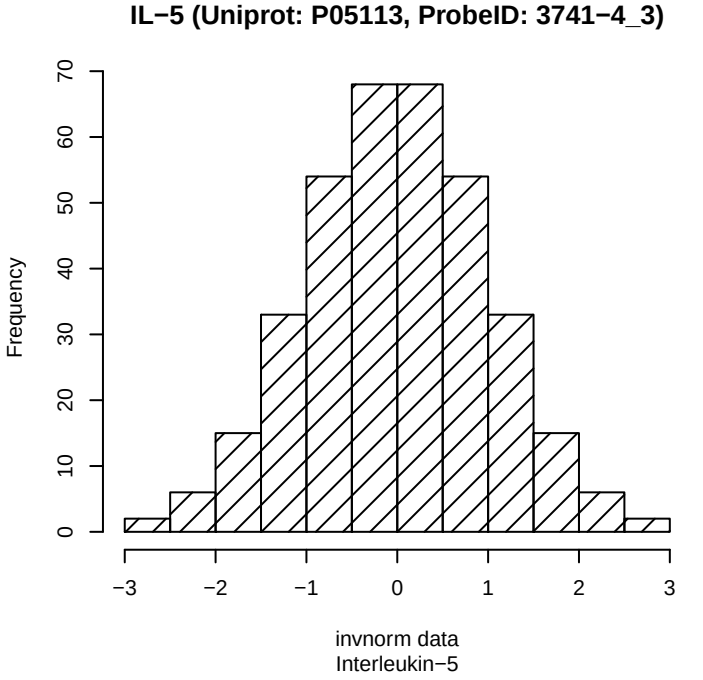
rs704 (Chr17:26694861)
Locus 82 sentinel (tags KORA rs2239908), p=4.1e−08

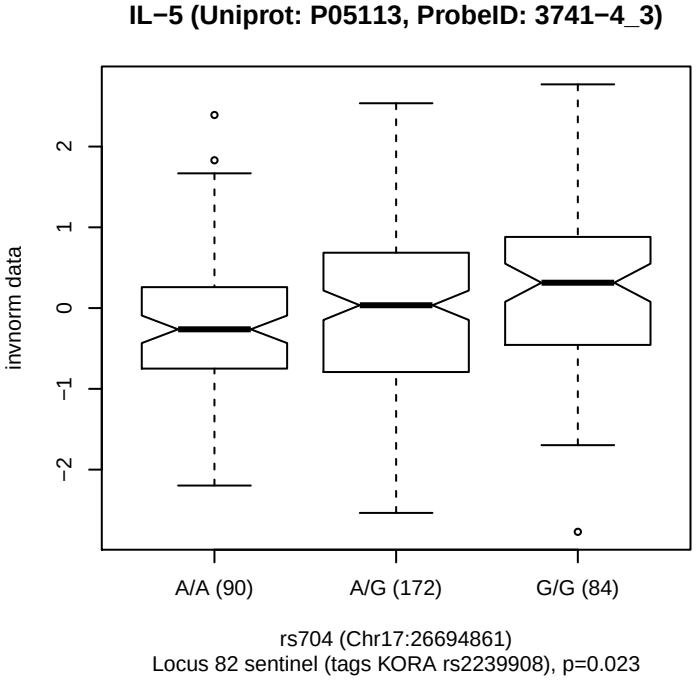

IL−5 (Uniprot: P05113, ProbeID: 3741−4_3)
Frequency
0
50
100
150
200
250
300
350
0
10000
20000
30000
40000
raw data
Interleukin−5

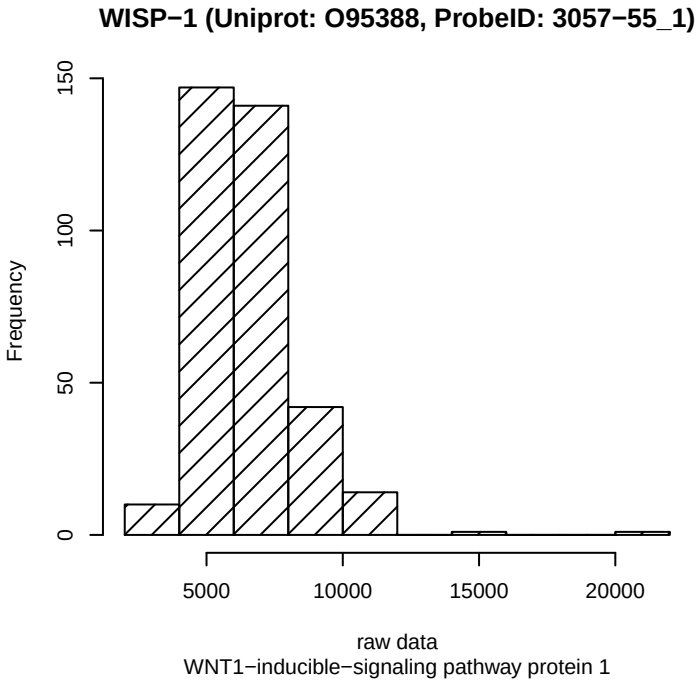

IL−5 (Uniprot: P05113, ProbeID: 3741−4_3)
raw data
0
10000
20000
30000
A/A (90)
A/G (172)
G/G (84)
rs704 (Chr17:26694861)
Locus 82 sentinel (tags KORA rs2239908), p=0.32

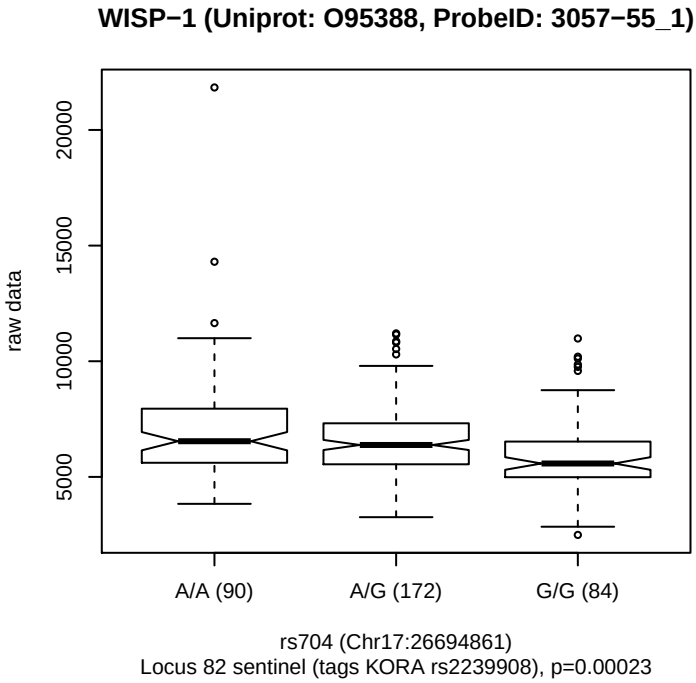

IL−5 (Uniprot: P05113, ProbeID: 3741−4_3)
Frequency
0
50
100
150
200
250
9
10
11
12
13
14
15
log2−scaled data
Interleukin−5

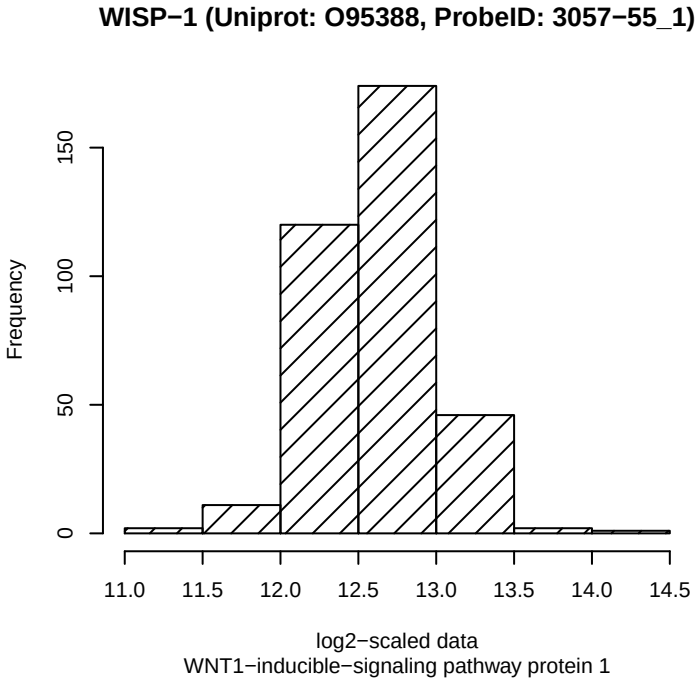

IL−5 (Uniprot: P05113, ProbeID: 3741−4_3)
log2−scaled data
10
11
12
13
14
15
A/A (90)
A/G (172)
G/G (84)
rs704 (Chr17:26694861)
Locus 82 sentinel (tags KORA rs2239908), p=0.13, FC=1.0371

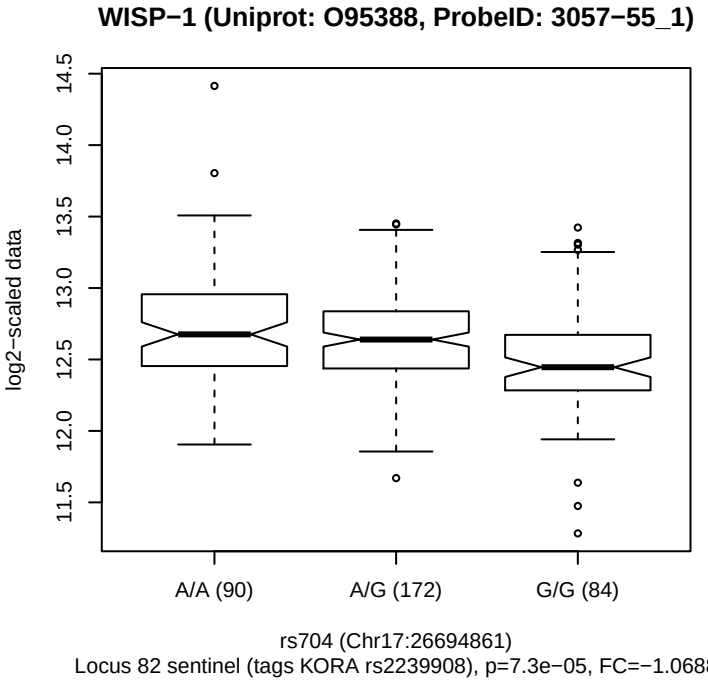

IL−5 (Uniprot: P05113, ProbeID: 3741−4_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−5

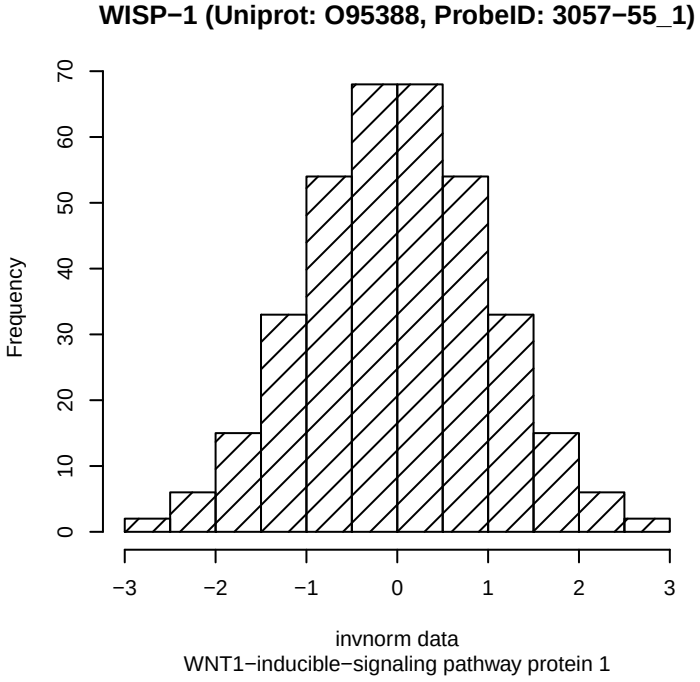

IL−5 (Uniprot: P05113, ProbeID: 3741−4_3)
invnorm data
−2
−1
0
1
2
A/A (90)
A/G (172)
G/G (84)
rs704 (Chr17:26694861)
Locus 82 sentinel (tags KORA rs2239908), p=0.023

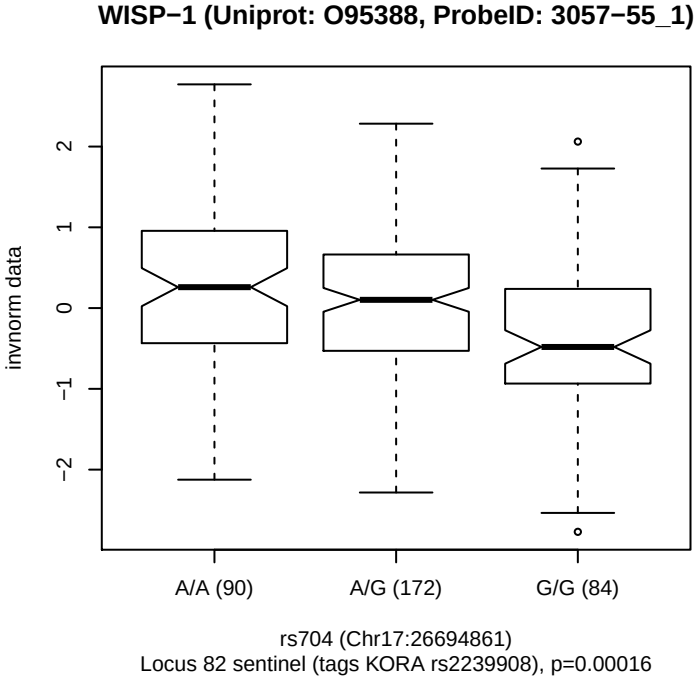

WISP−1 (Uniprot: O95388, ProbeID: 3057−55_1)
Frequency
0
50
100
150
5000
10000
15000
20000
raw data
WNT1−inducible−signaling pathway protein 1


WISP−1 (Uniprot: O95388, ProbeID: 3057−55_1)
raw data
5000
10000
15000
20000
A/A (90)
A/G (172)
G/G (84)
rs704 (Chr17:26694861)
Locus 82 sentinel (tags KORA rs2239908), p=0.00023

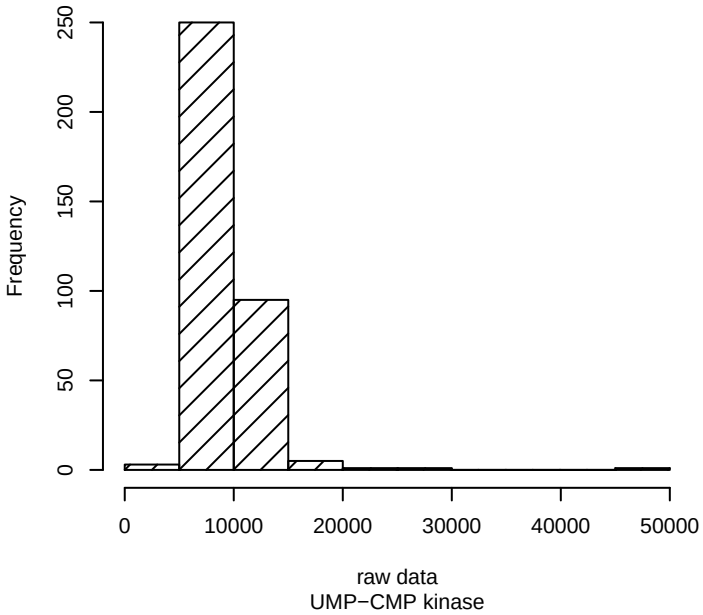

WISP−1 (Uniprot: O95388, ProbeID: 3057−55_1)
Frequency
0
50
100
150
11.0
11.5
12.0
12.5
13.0
13.5
14.0
14.5
log2−scaled data
WNT1−inducible−signaling pathway protein 1


WISP−1 (Uniprot: O95388, ProbeID: 3057−55_1)
log2−scaled data
11.5
12.0
12.5
13.0
13.5
14.0
14.5
A/A (90)
A/G (172)
G/G (84)
rs704 (Chr17:26694861)
Locus 82 sentinel (tags KORA rs2239908), p=7.3e−05, FC=−1.0688

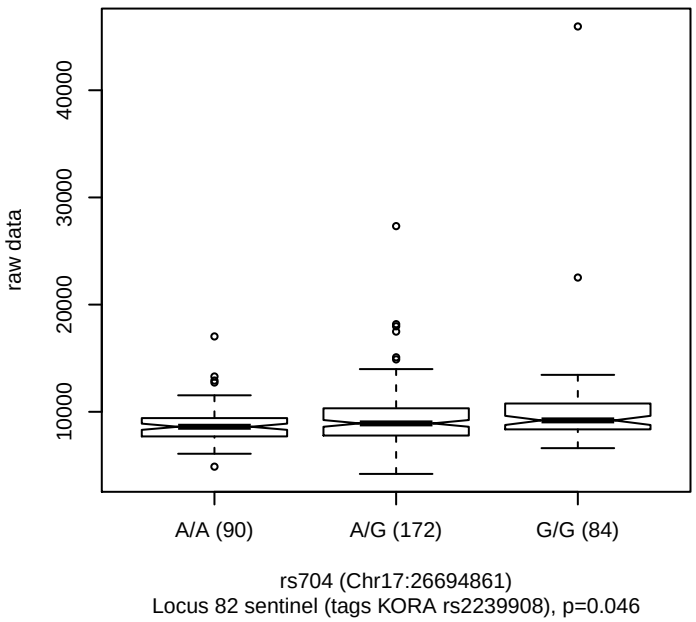

WISP−1 (Uniprot: O95388, ProbeID: 3057−55_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
WNT1−inducible−signaling pathway protein 1


WISP−1 (Uniprot: O95388, ProbeID: 3057−55_1)
invnorm data
−2
−1
0
1
2
A/A (90)
A/G (172)
G/G (84)
rs704 (Chr17:26694861)
Locus 82 sentinel (tags KORA rs2239908), p=0.00016

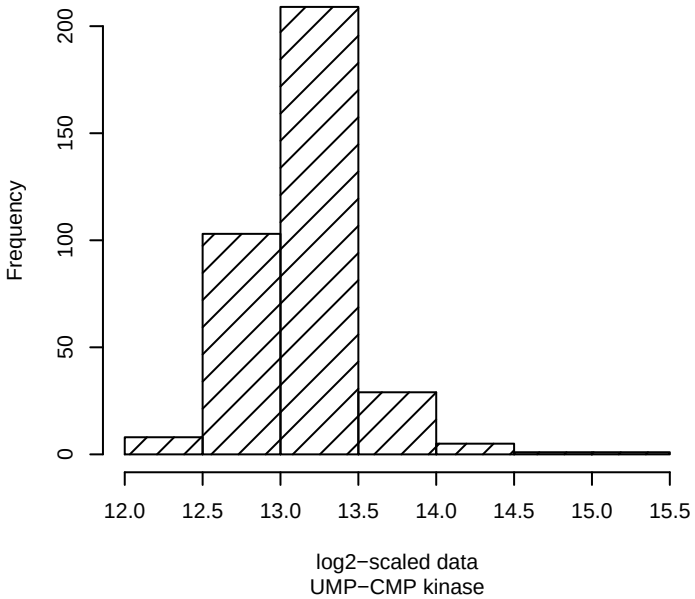
Cytidylate kinase (Uniprot: P30085, ProbeID: 4786−58_3



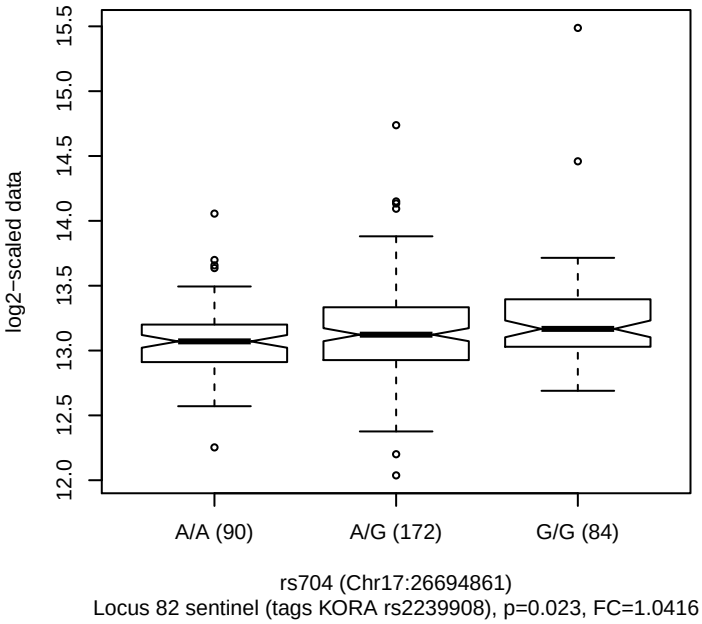
Cytidylate kinase (Uniprot: P30085, ProbeID: 4786−58_3



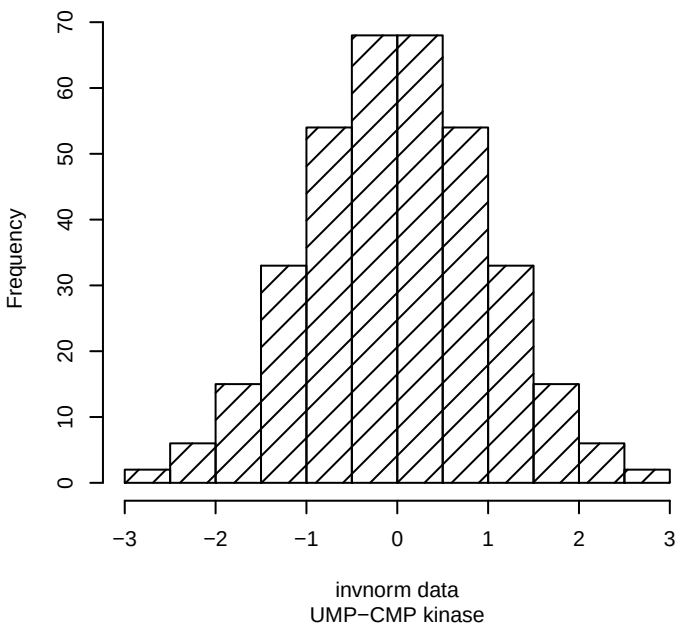
Cytidylate kinase (Uniprot: P30085, ProbeID: 4786−58_3



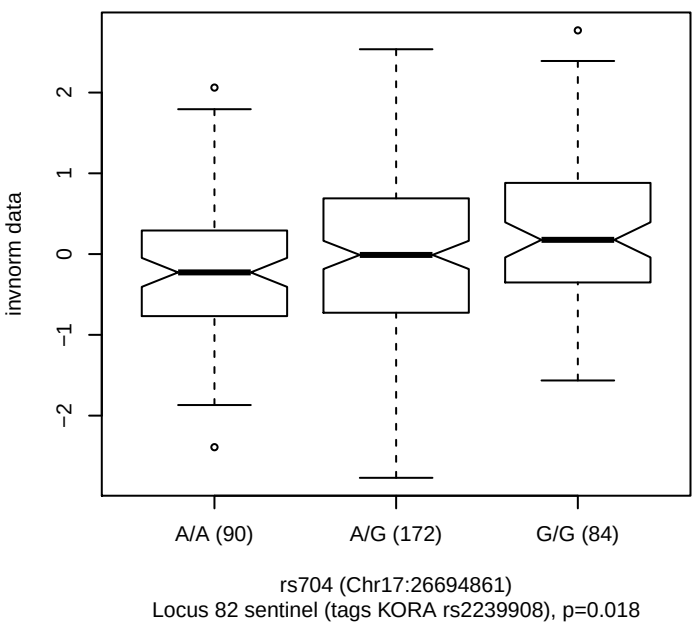
Cytidylate kinase (Uniprot: P30085, ProbeID: 4786−58_3

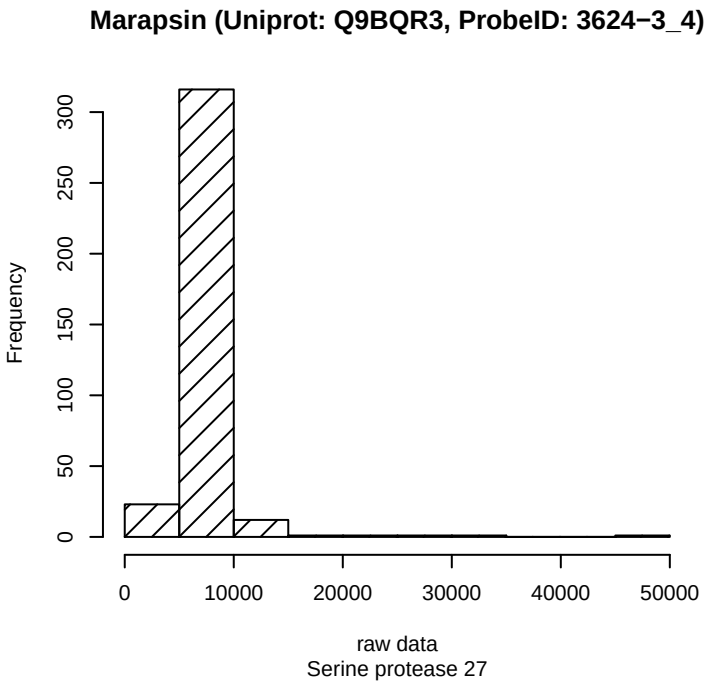


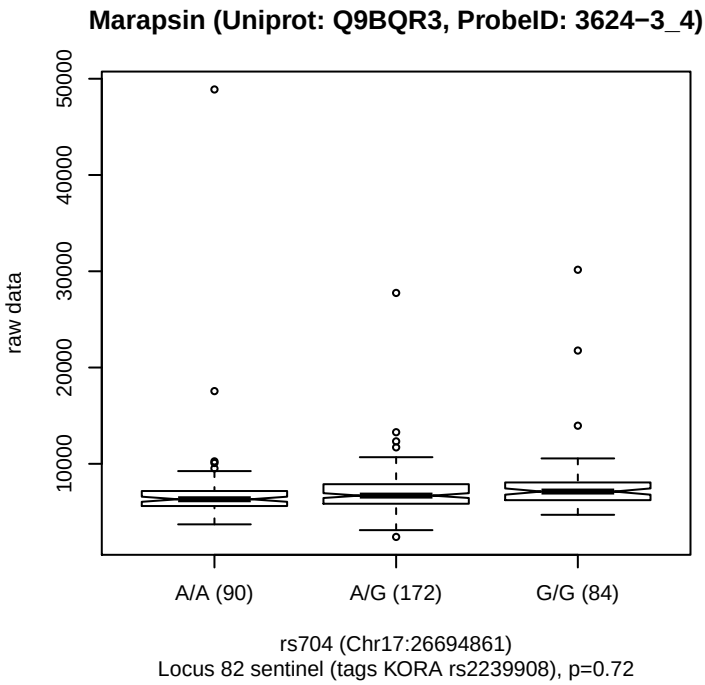
Cytidylate kinase (Uniprot: P30085, ProbeID: 4786−58_3

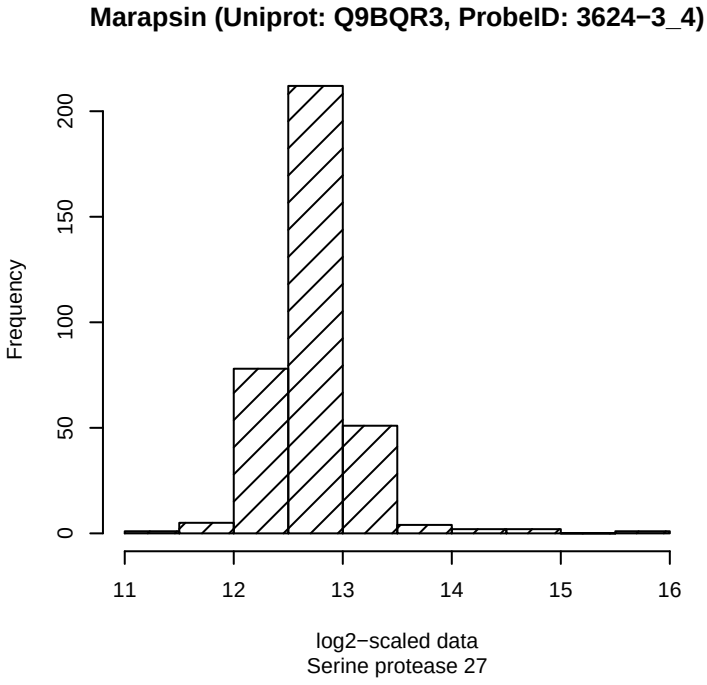


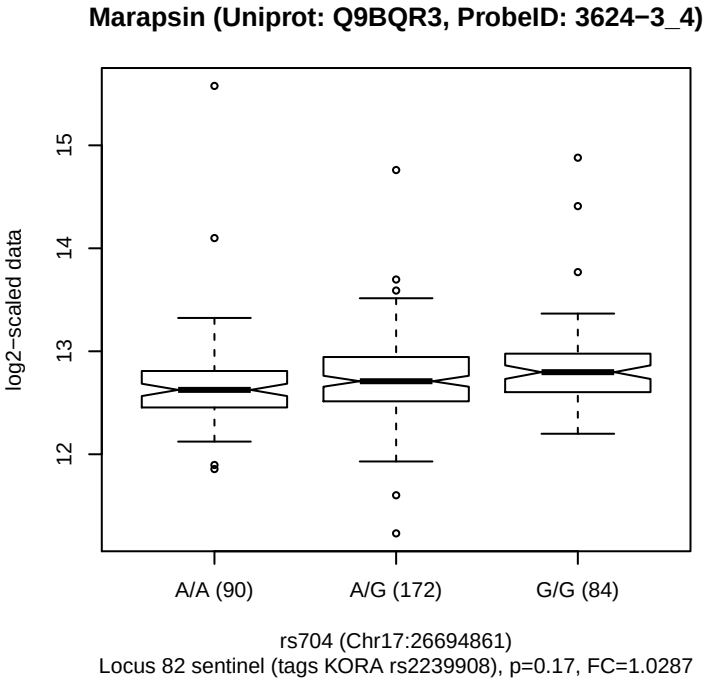
Cytidylate kinase (Uniprot: P30085, ProbeID: 4786−58_3

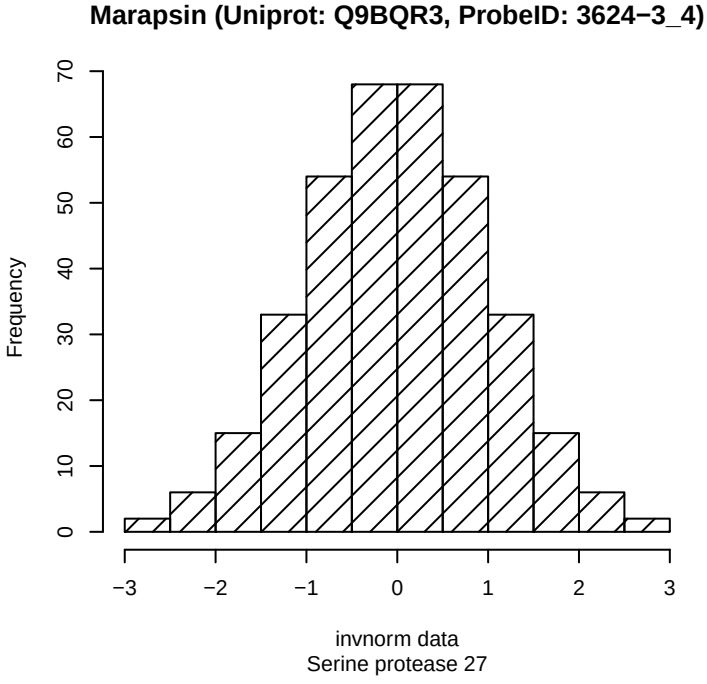


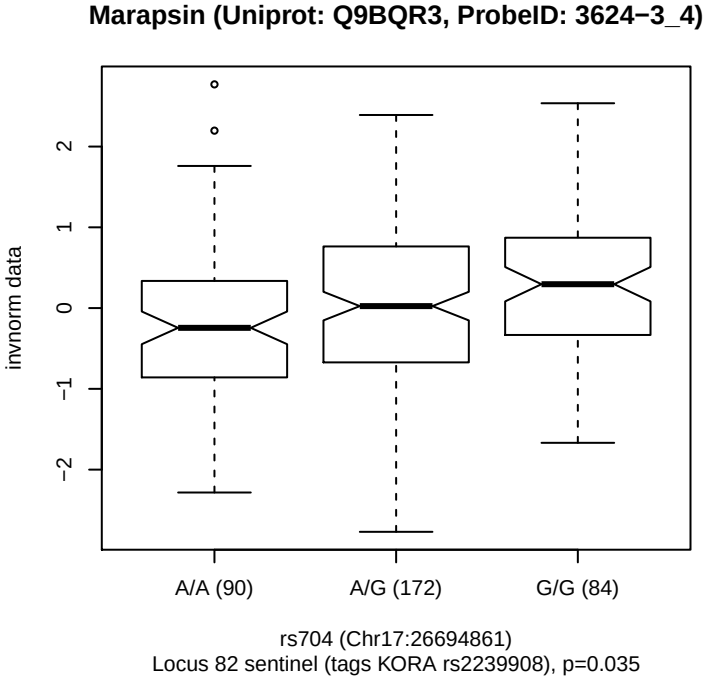

Marapsin (Uniprot: Q9BQR3, ProbeID: 3624−3_4)
Frequency
0
50
100
150
200
250
300
0
10000
20000
30000
40000
50000
raw data
Serine protease 27

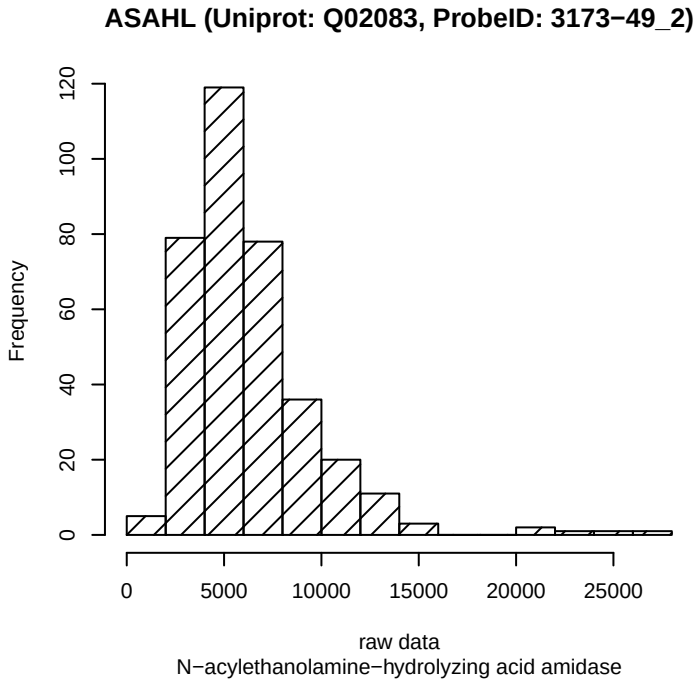

Marapsin (Uniprot: Q9BQR3, ProbeID: 3624−3_4)
raw data
10000
20000
30000
40000
50000
A/A (90)
A/G (172)
G/G (84)
rs704 (Chr17:26694861)
Locus 82 sentinel (tags KORA rs2239908), p=0.72

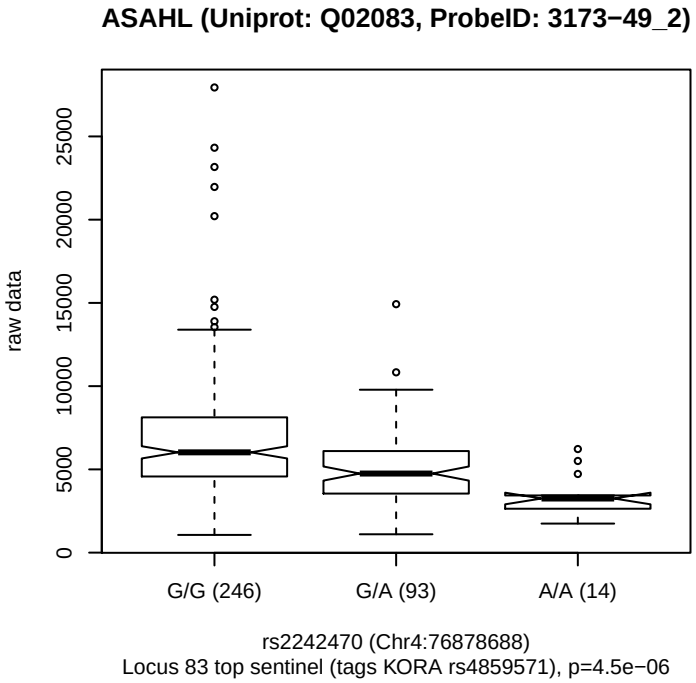

Marapsin (Uniprot: Q9BQR3, ProbeID: 3624−3_4)
Frequency
0
50
100
150
200
11
12
13
14
15
16
log2−scaled data
Serine protease 27

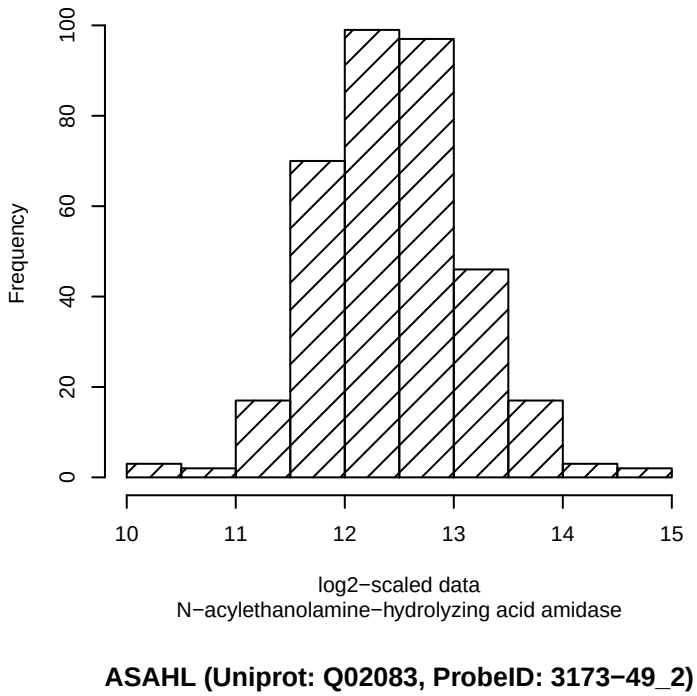

Marapsin (Uniprot: Q9BQR3, ProbeID: 3624−3_4)
log2−scaled data
12
13
14
15
A/A (90)
A/G (172)
G/G (84)
rs704 (Chr17:26694861)
Locus 82 sentinel (tags KORA rs2239908), p=0.17, FC=1.0287

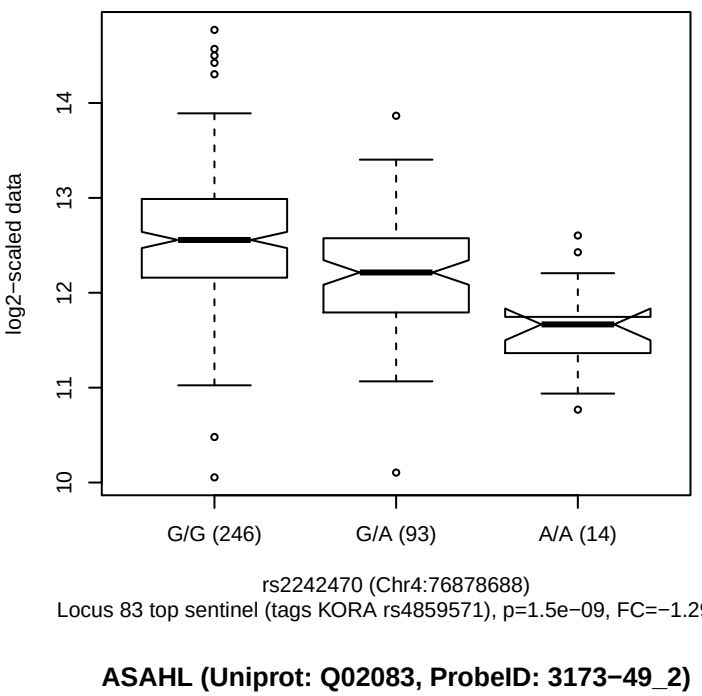

Marapsin (Uniprot: Q9BQR3, ProbeID: 3624−3_4)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Serine protease 27

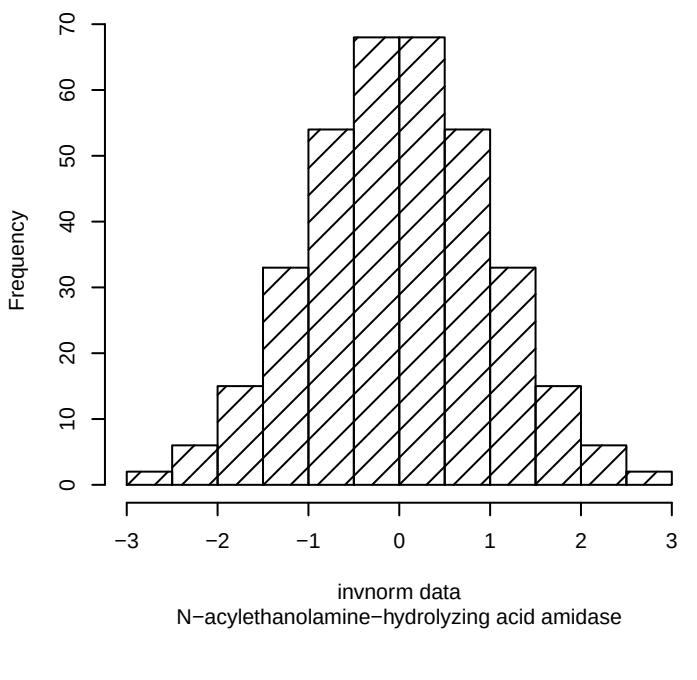

Marapsin (Uniprot: Q9BQR3, ProbeID: 3624−3_4)
invnorm data
−2
−1
0
1
2
A/A (90)
A/G (172)
G/G (84)
rs704 (Chr17:26694861)
Locus 82 sentinel (tags KORA rs2239908), p=0.035

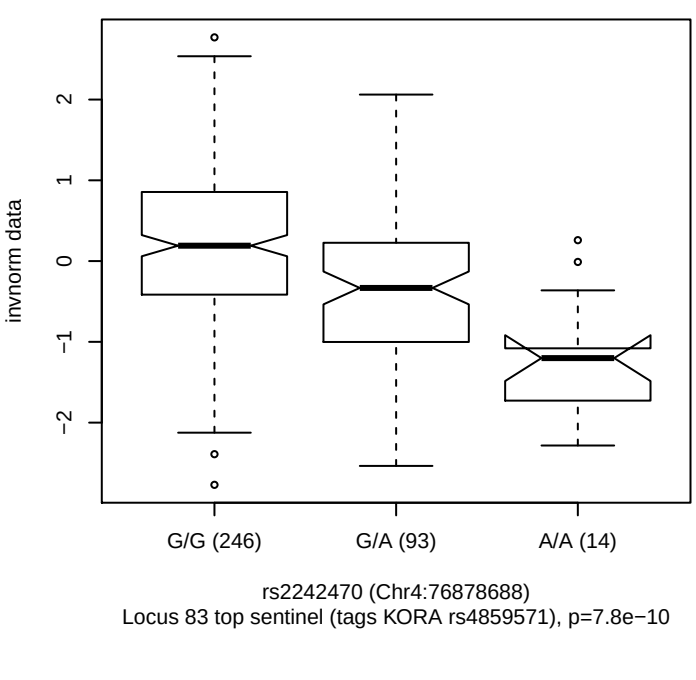

ASAHL (Uniprot: Q02083, ProbeID: 3173−49_2)
Frequency
0
20
40
60
80
100
120
0
5000
10000
15000
20000
25000
raw data
N−acylethanolamine−hydrolyzing acid amidase

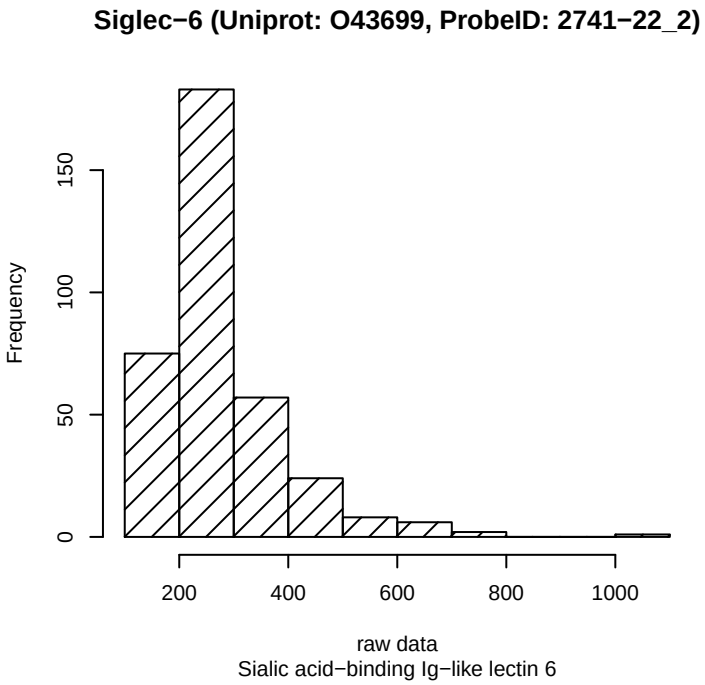

ASAHL (Uniprot: Q02083, ProbeID: 3173−49_2)
raw data
0
5000
10000
15000
20000
25000
G/G (246)
G/A (93)
A/A (14)
rs2242470 (Chr4:76878688)
Locus 83 top sentinel (tags KORA rs4859571), p=4.5e−06

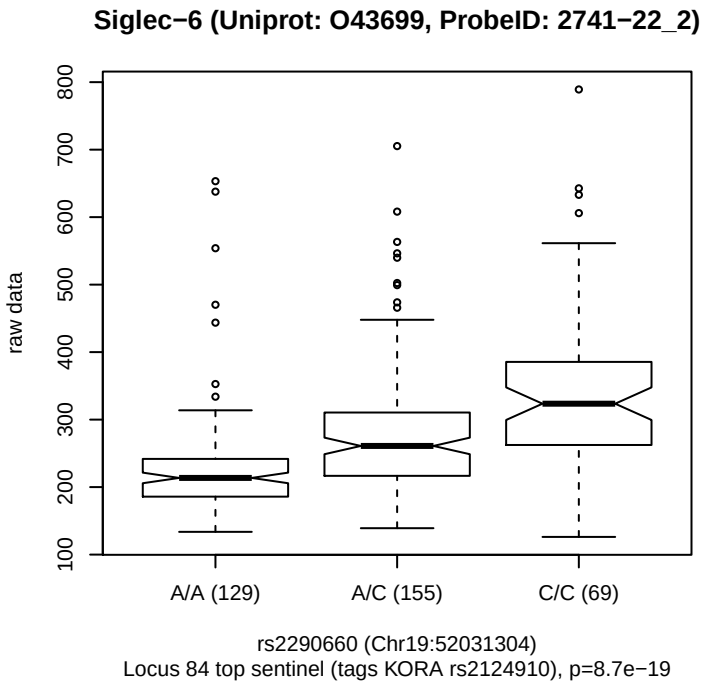

ASAHL (Uniprot: Q02083, ProbeID: 3173−49_2)
Frequency
0
20
40
60
80
100
10
11
12
13
14
15
log2−scaled data
N−acylethanolamine−hydrolyzing acid amidase

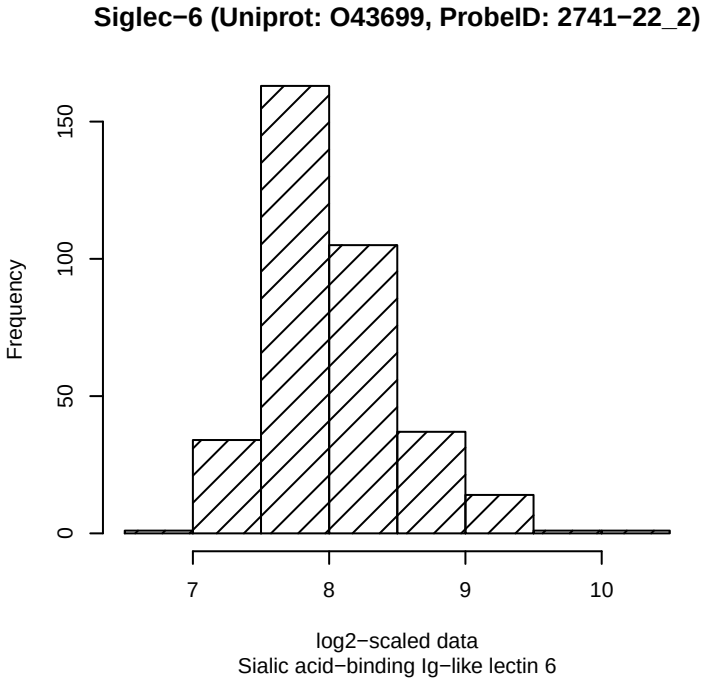

ASAHL (Uniprot: Q02083, ProbeID: 3173−49_2)
log2−scaled data
10
11
12
13
14
G/G (246)
G/A (93)
A/A (14)
rs2242470 (Chr4:76878688)
Locus 83 top sentinel (tags KORA rs4859571), p=1.5e−09, FC=−1.2995

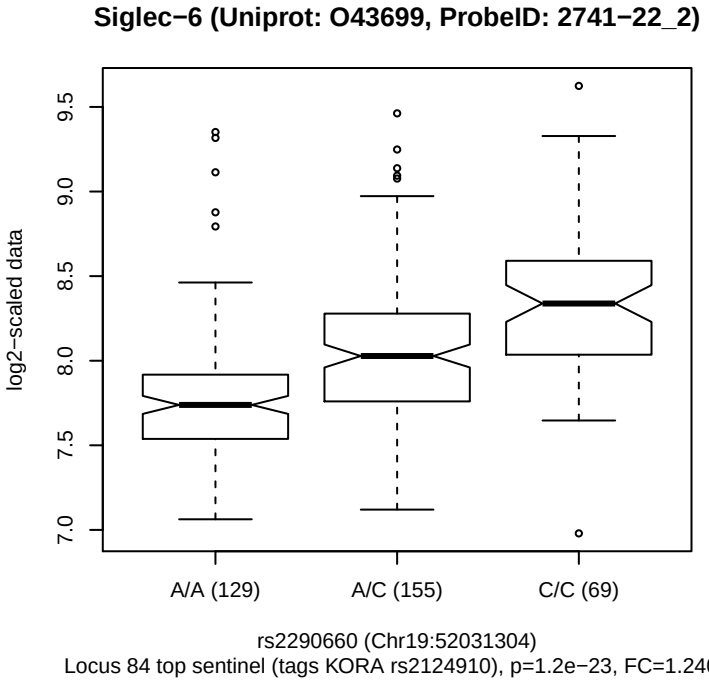

ASAHL (Uniprot: Q02083, ProbeID: 3173−49_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
N−acylethanolamine−hydrolyzing acid amidase

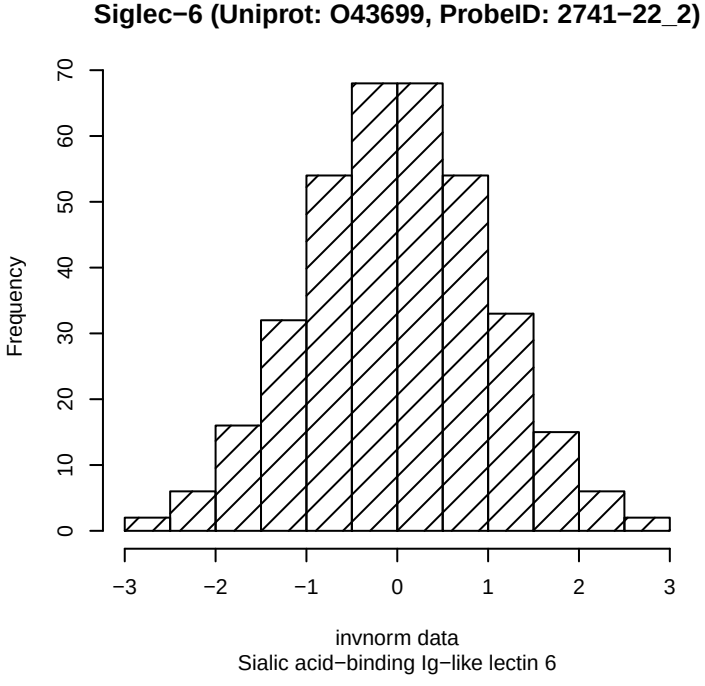

ASAHL (Uniprot: Q02083, ProbeID: 3173−49_2)
invnorm data
−2
−1
0
1
2
G/G (246)
G/A (93)
A/A (14)
rs2242470 (Chr4:76878688)
Locus 83 top sentinel (tags KORA rs4859571), p=7.8e−10

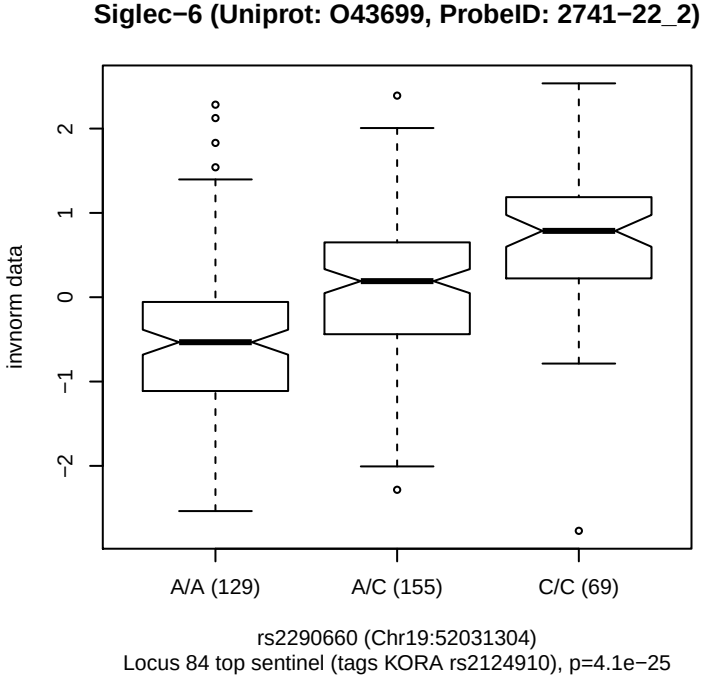

Siglec−6 (Uniprot: O43699, ProbeID: 2741−22_2)
Frequency
0
50
100
150
200
400
600
800
1000
raw data
Sialic acid−binding Ig−like lectin 6

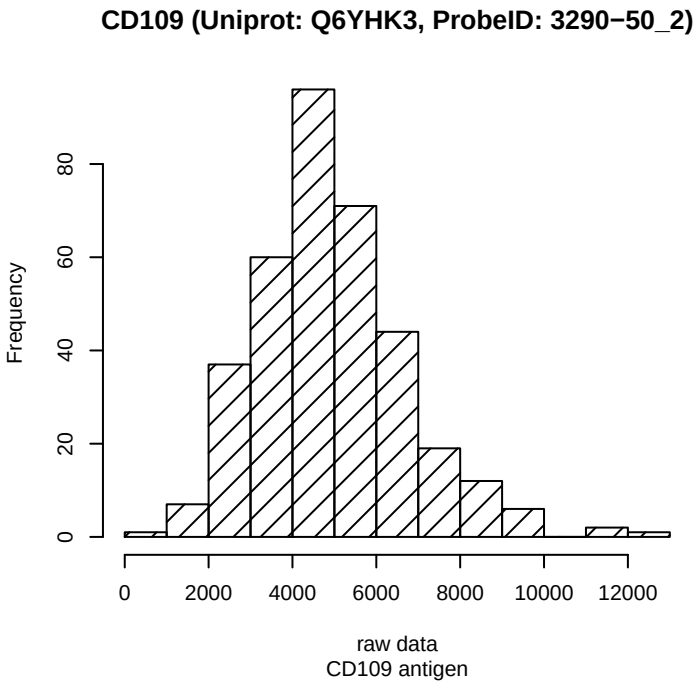

Siglec−6 (Uniprot: O43699, ProbeID: 2741−22_2)
raw data
100
200
300
400
500
600
700
800
A/A (129)
A/C (155)
C/C (69)
rs2290660 (Chr19:52031304)
Locus 84 top sentinel (tags KORA rs2124910), p=8.7e−19

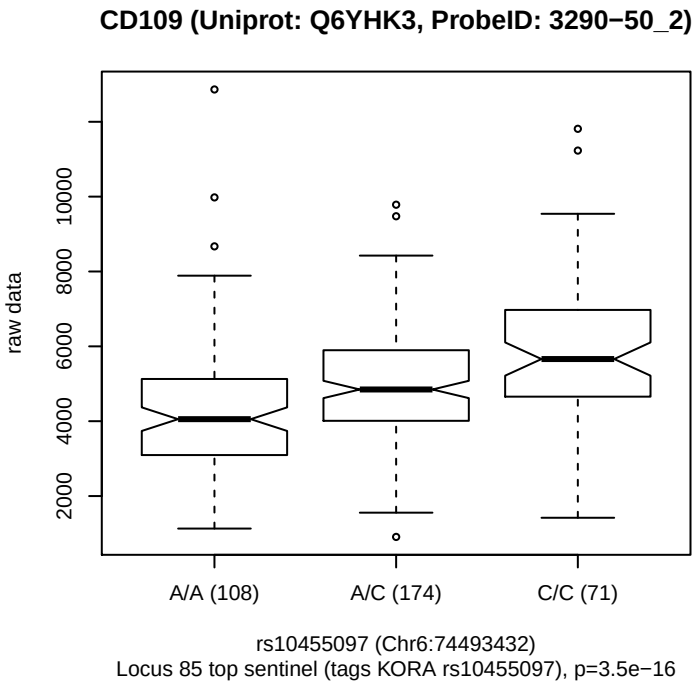

Siglec−6 (Uniprot: O43699, ProbeID: 2741−22_2)
Frequency
0
50
100
150
7
8
9
10
log2−scaled data
Sialic acid−binding Ig−like lectin 6

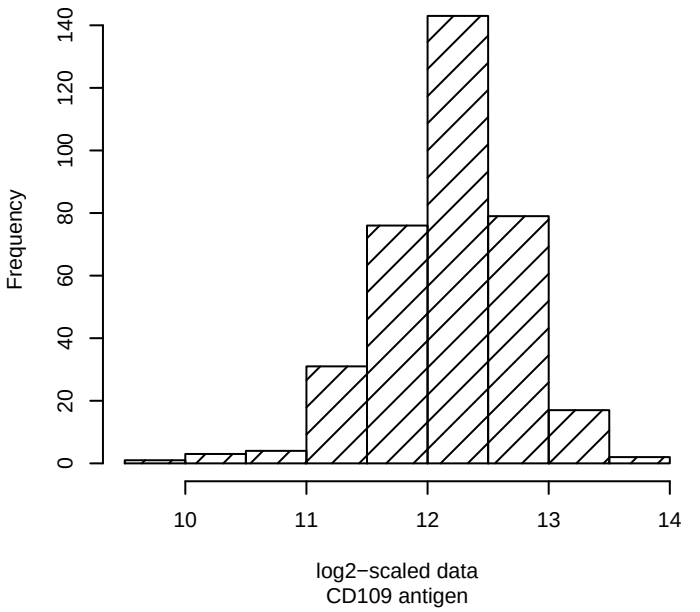

Siglec−6 (Uniprot: O43699, ProbeID: 2741−22_2)
log2−scaled data
7.0
7.5
8.0
8.5
9.0
9.5
A/A (129)
A/C (155)
C/C (69)
rs2290660 (Chr19:52031304)
Locus 84 top sentinel (tags KORA rs2124910), p=1.2e−23, FC=1.2405

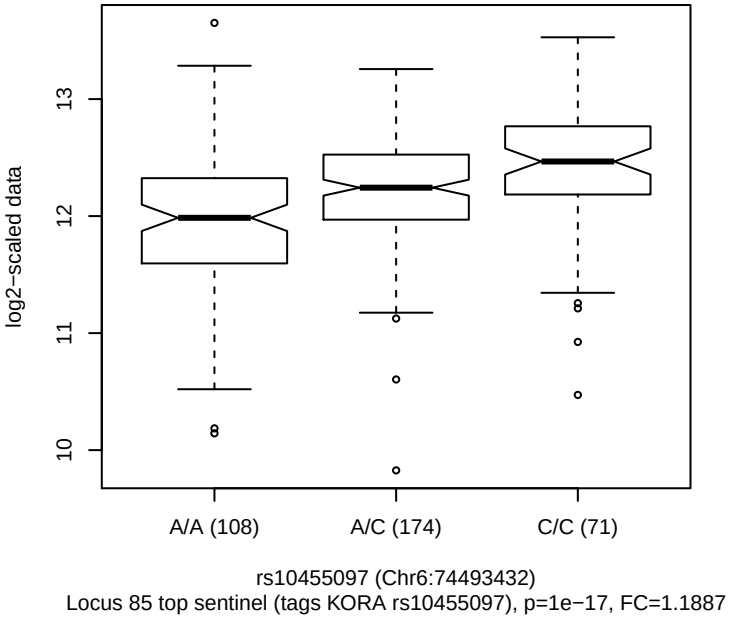

Siglec−6 (Uniprot: O43699, ProbeID: 2741−22_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Sialic acid−binding Ig−like lectin 6

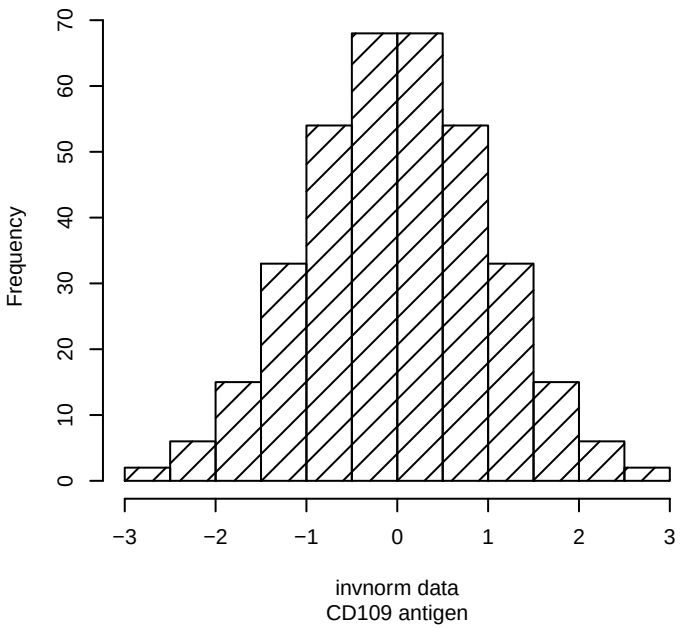

Siglec−6 (Uniprot: O43699, ProbeID: 2741−22_2)
invnorm data
−2
−1
0
1
2
A/A (129)
A/C (155)
C/C (69)
rs2290660 (Chr19:52031304)
Locus 84 top sentinel (tags KORA rs2124910), p=4.1e−25

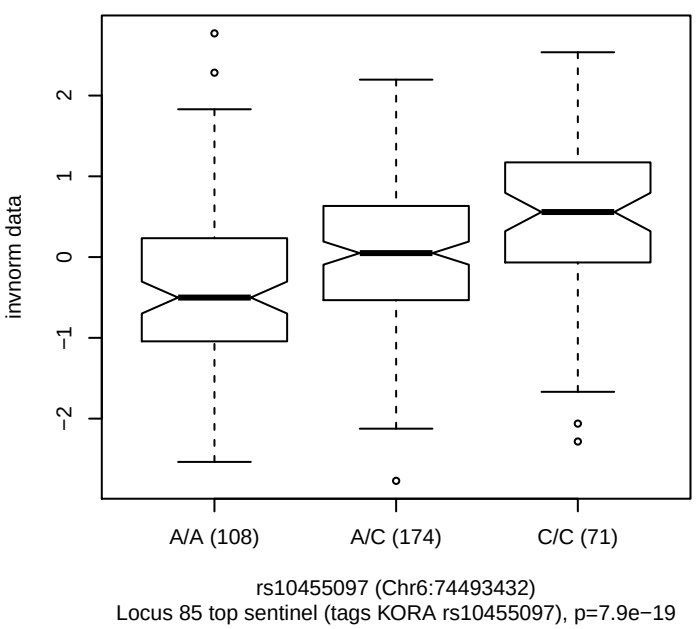

CD109 (Uniprot: Q6YHK3, ProbeID: 3290−50_2)
Frequency
0
20
40
60
80
0
2000
4000
6000
8000
10000
12000
raw data
CD109 antigen

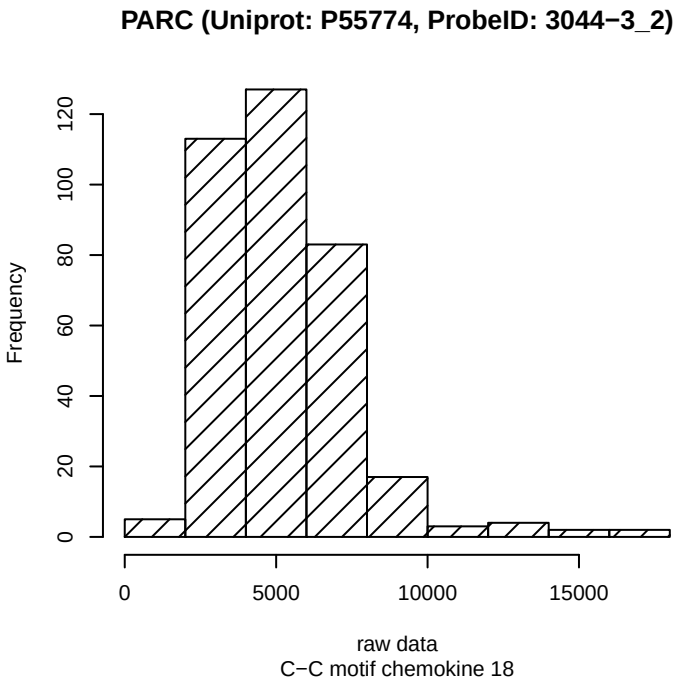

CD109 (Uniprot: Q6YHK3, ProbeID: 3290−50_2)
raw data
2000
4000
6000
8000
10000
A/A (108)
A/C (174)
C/C (71)
rs10455097 (Chr6:74493432)
Locus 85 top sentinel (tags KORA rs10455097), p=3.5e−16

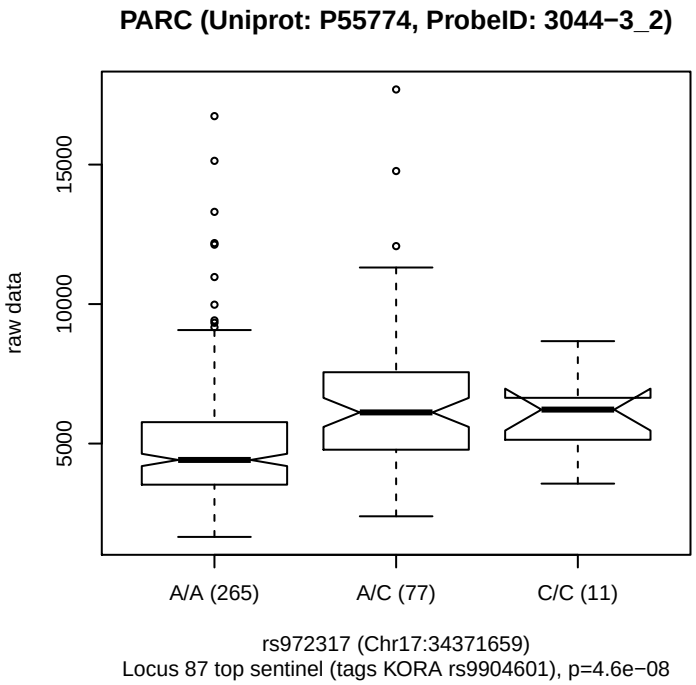

CD109 (Uniprot: Q6YHK3, ProbeID: 3290−50_2)
Frequency
0
20
40
60
80
100
120
140
10
11
12
13
14
log2−scaled data
CD109 antigen

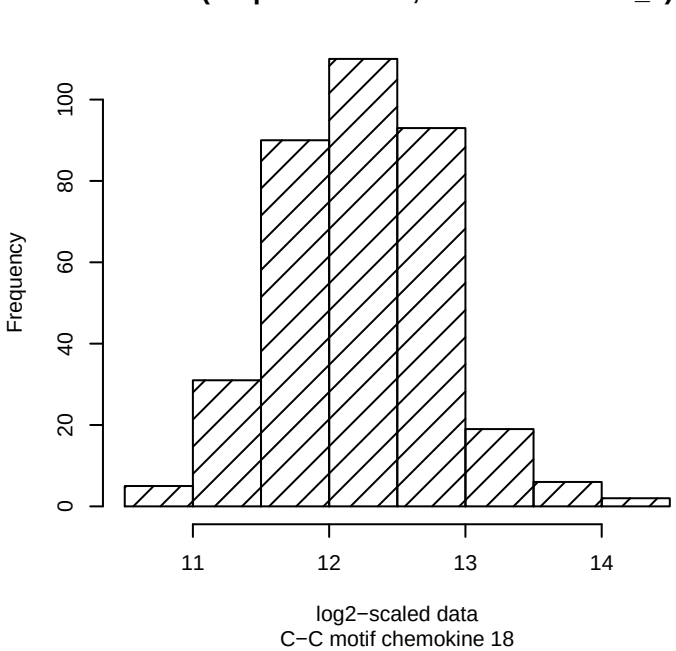

CD109 (Uniprot: Q6YHK3, ProbeID: 3290−50_2)
log2−scaled data
10
11
12
13
A/A (108)
A/C (174)
C/C (71)
rs10455097 (Chr6:74493432)
Locus 85 top sentinel (tags KORA rs10455097), p=1e−17, FC=1.1887

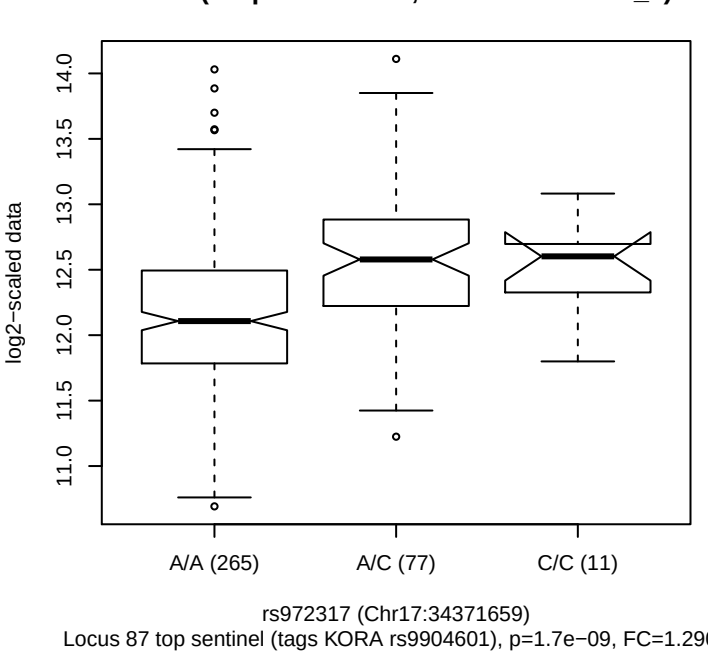

CD109 (Uniprot: Q6YHK3, ProbeID: 3290−50_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
CD109 antigen

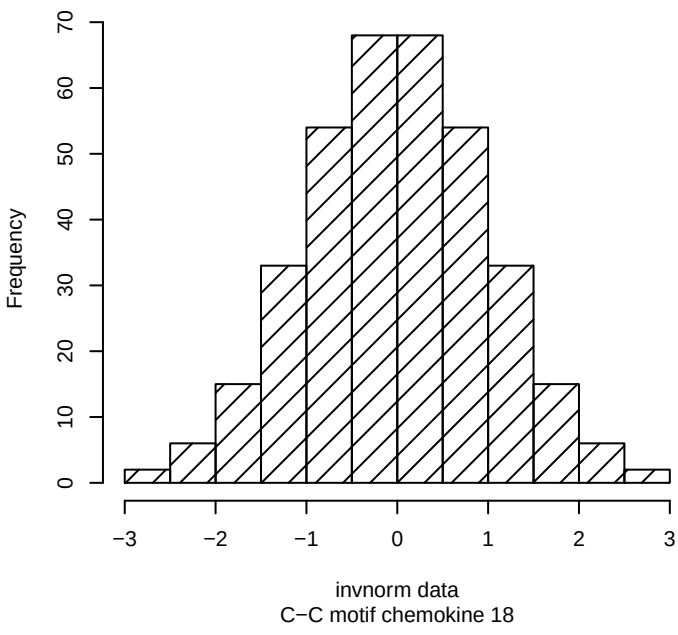

CD109 (Uniprot: Q6YHK3, ProbeID: 3290−50_2)
invnorm data
−2
−1
0
1
2
A/A (108)
A/C (174)
C/C (71)
rs10455097 (Chr6:74493432)
Locus 85 top sentinel (tags KORA rs10455097), p=7.9e−19

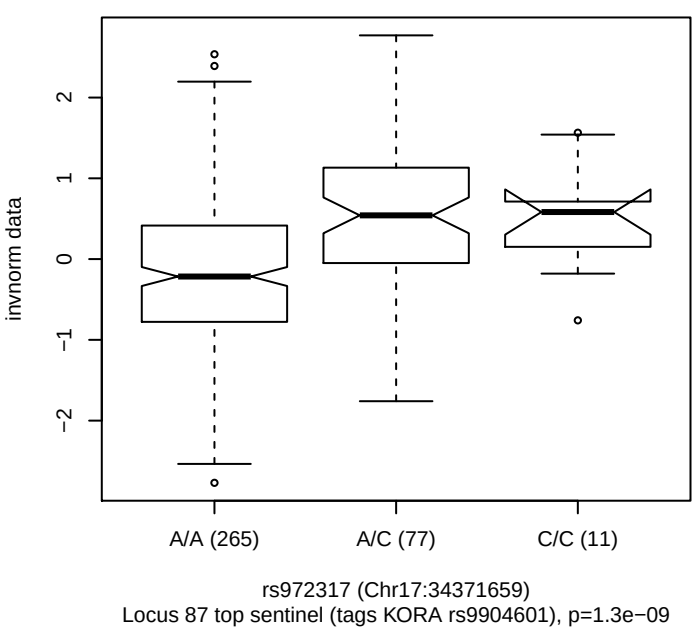

PARC (Uniprot: P55774, ProbeID: 3044−3_2)
Frequency
0
20
40
60
80
100
120
0
5000
10000
15000
raw data
C−C motif chemokine 18

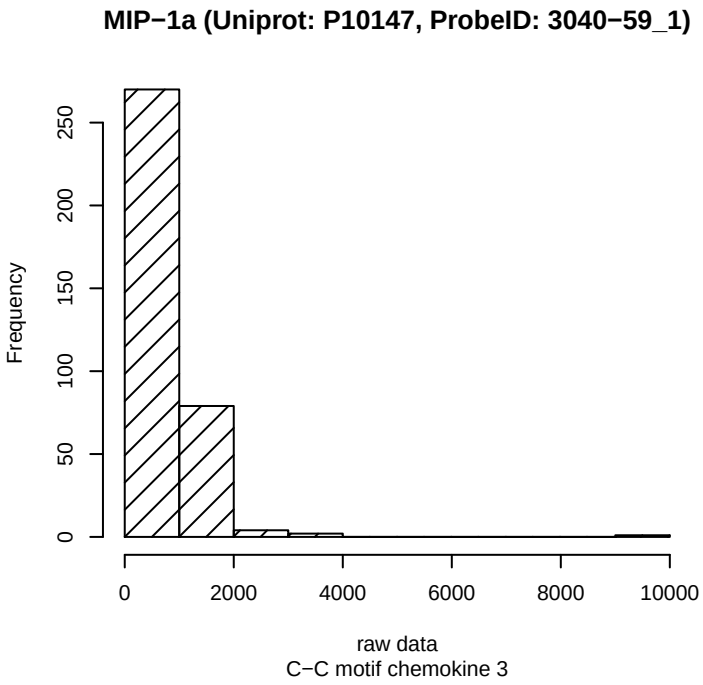

PARC (Uniprot: P55774, ProbeID: 3044−3_2)
raw data
5000
10000
15000
A/A (265)
A/C (77)
C/C (11)
rs972317 (Chr17:34371659)
Locus 87 top sentinel (tags KORA rs9904601), p=4.6e−08

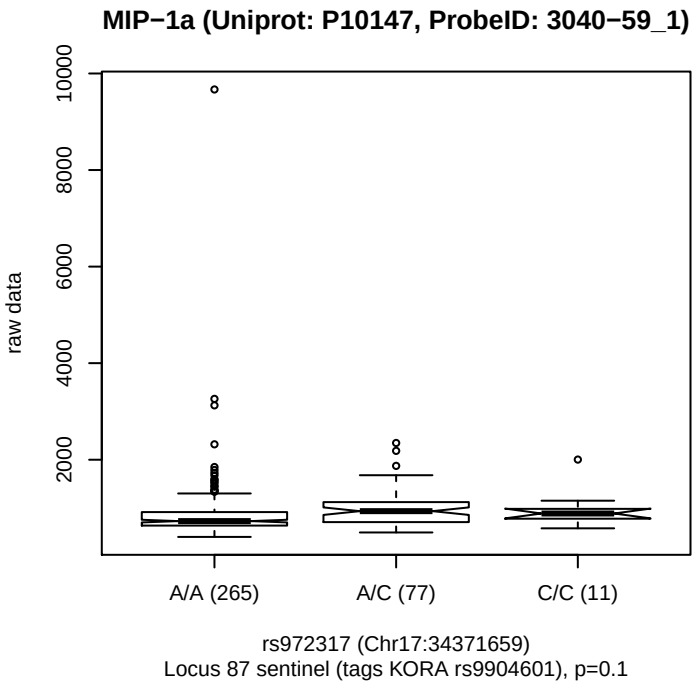

PARC (Uniprot: P55774, ProbeID: 3044−3_2)
Frequency
0
20
40
60
80
100
11
12
13
14
log2−scaled data
C−C motif chemokine 18

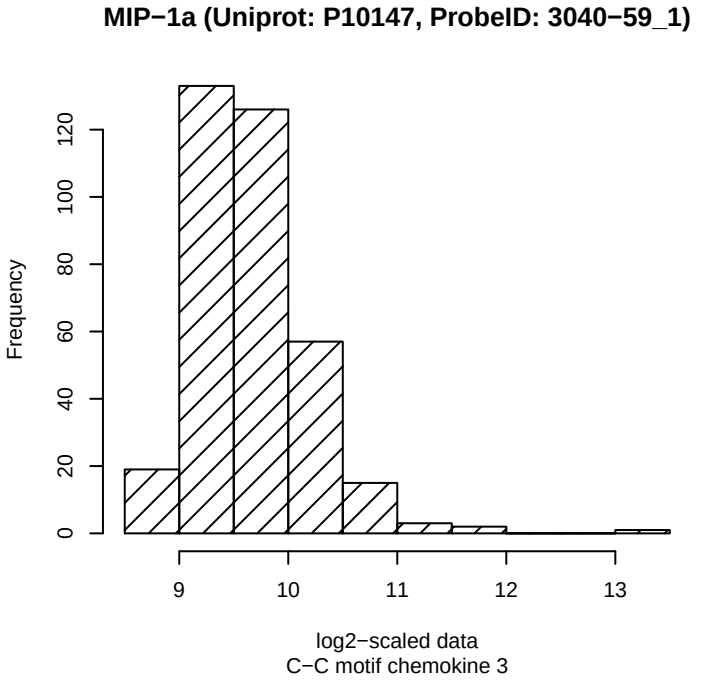

PARC (Uniprot: P55774, ProbeID: 3044−3_2)
log2−scaled data
11.0
11.5
12.0
12.5
13.0
13.5
14.0
A/A (265)
A/C (77)
C/C (11)
rs972317 (Chr17:34371659)
Locus 87 top sentinel (tags KORA rs9904601), p=1.7e−09, FC=1.2906

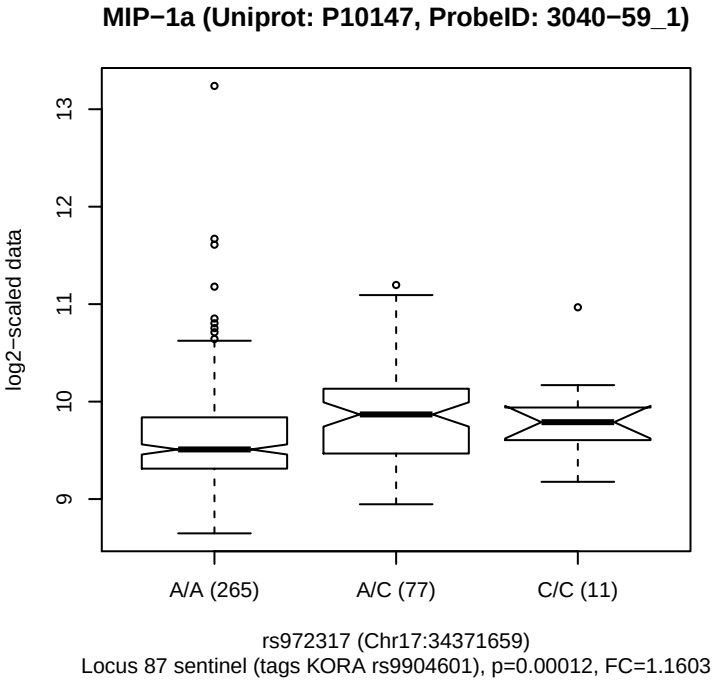

PARC (Uniprot: P55774, ProbeID: 3044−3_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 18

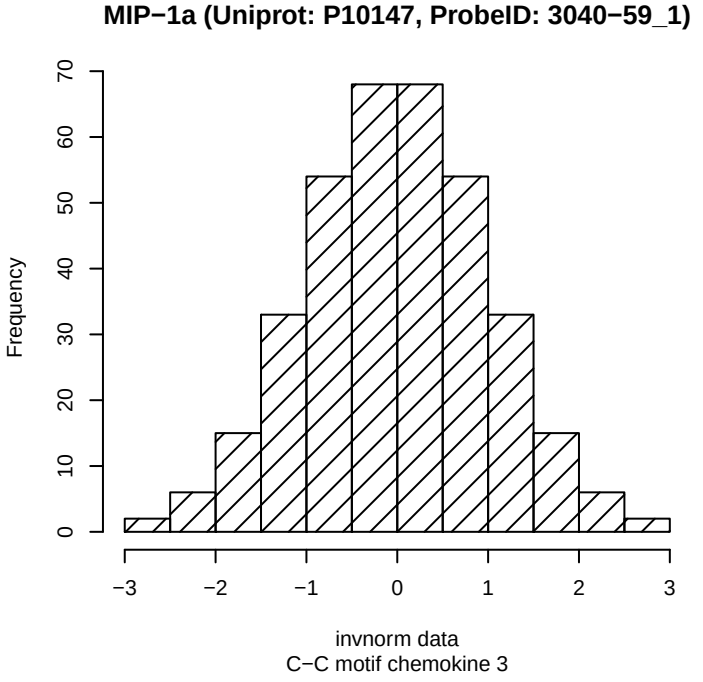

PARC (Uniprot: P55774, ProbeID: 3044−3_2)
invnorm data
−2
−1
0
1
2
A/A (265)
A/C (77)
C/C (11)
rs972317 (Chr17:34371659)
Locus 87 top sentinel (tags KORA rs9904601), p=1.3e−09

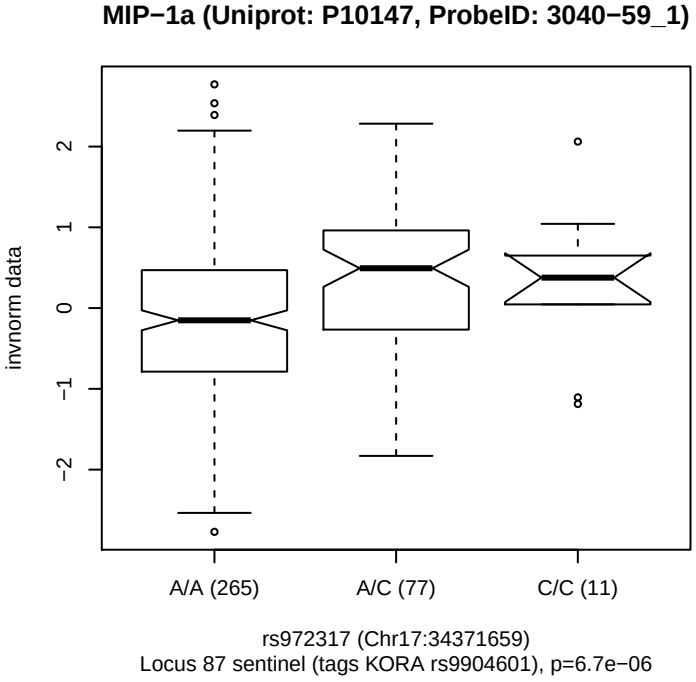

MIP−1a (Uniprot: P10147, ProbeID: 3040−59_1)
Frequency
0
50
100
150
200
250
0
2000
4000
6000
8000
10000
raw data
C−C motif chemokine 3

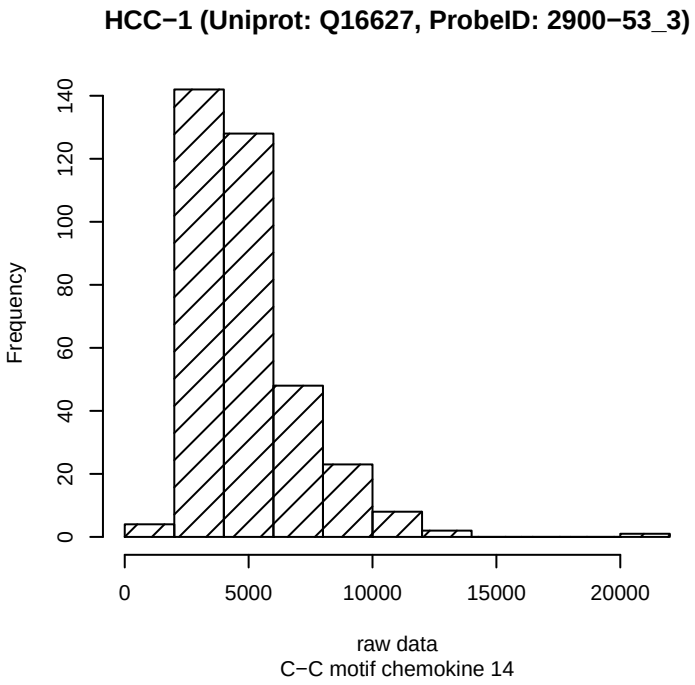

MIP−1a (Uniprot: P10147, ProbeID: 3040−59_1)
raw data
2000
4000
6000
8000
10000
A/A (265)
A/C (77)
C/C (11)
rs972317 (Chr17:34371659)
Locus 87 sentinel (tags KORA rs9904601), p=0.1

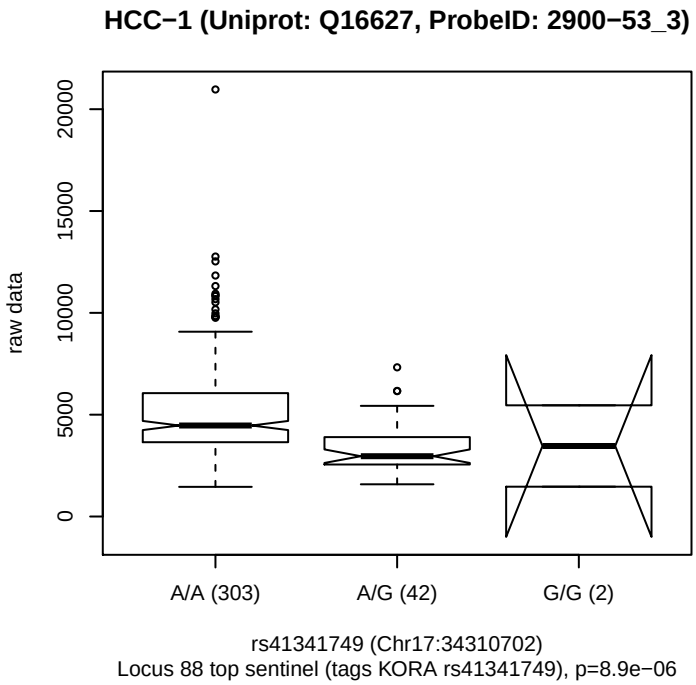

MIP−1a (Uniprot: P10147, ProbeID: 3040−59_1)
Frequency
0
20
40
60
80
100
120
9
10
11
12
13
log2−scaled data
C−C motif chemokine 3

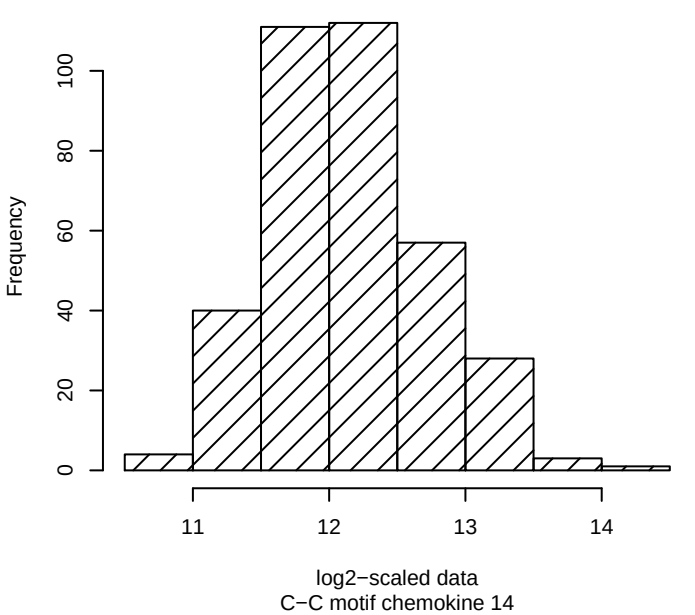

MIP−1a (Uniprot: P10147, ProbeID: 3040−59_1)
log2−scaled data
9
10
11
12
13
A/A (265)
A/C (77)
C/C (11)
rs972317 (Chr17:34371659)
Locus 87 sentinel (tags KORA rs9904601), p=0.00012, FC=1.1603

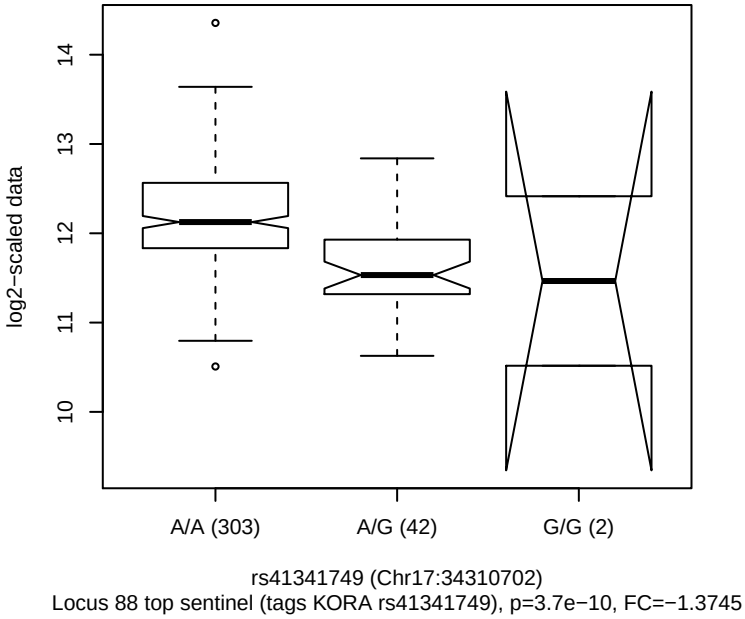

MIP−1a (Uniprot: P10147, ProbeID: 3040−59_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 3

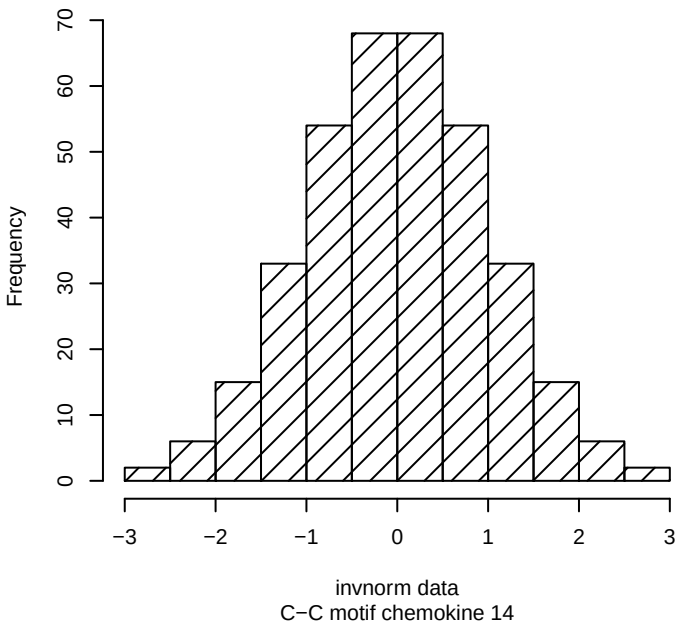

MIP−1a (Uniprot: P10147, ProbeID: 3040−59_1)
invnorm data
−2
−1
0
1
2
A/A (265)
A/C (77)
C/C (11)
rs972317 (Chr17:34371659)
Locus 87 sentinel (tags KORA rs9904601), p=6.7e−06

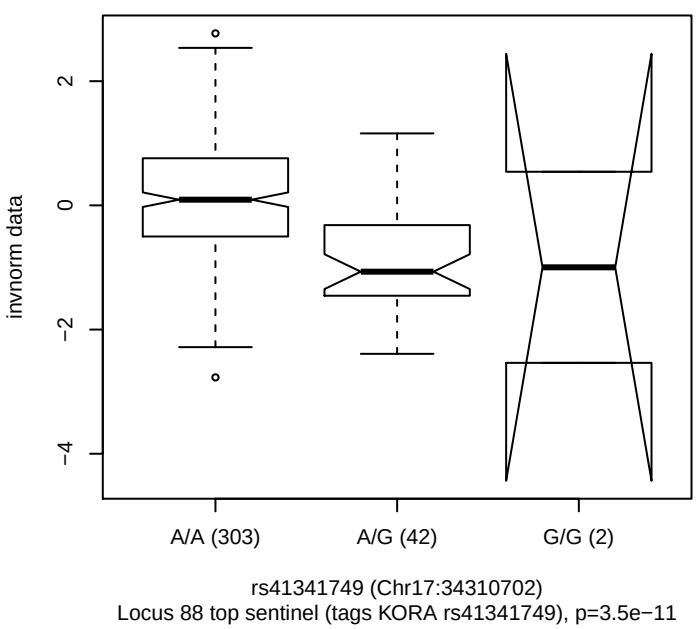

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
Frequency
0
20
40
60
80
100
120
140
0
5000
10000
15000
20000
raw data
C−C motif chemokine 14

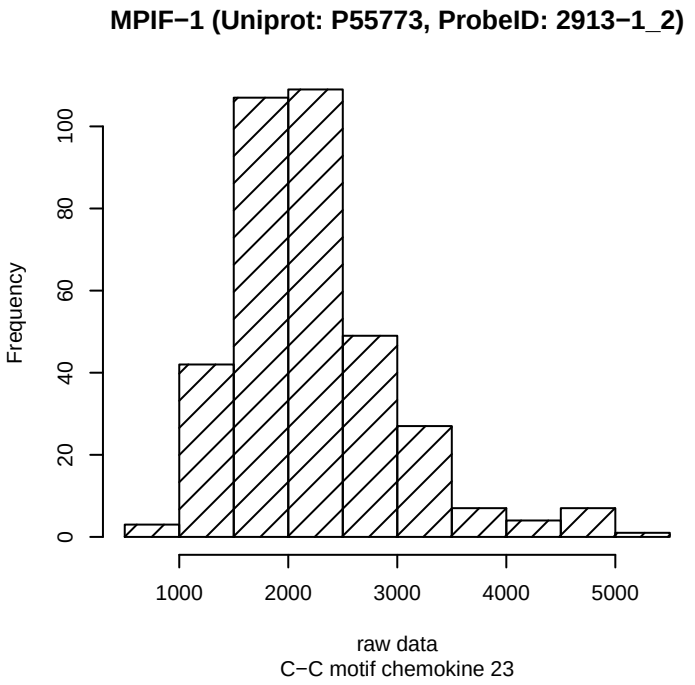

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
raw data
0
5000
10000
15000
20000
A/A (303)
A/G (42)
G/G (2)
rs41341749 (Chr17:34310702)
Locus 88 top sentinel (tags KORA rs41341749), p=8.9e−06

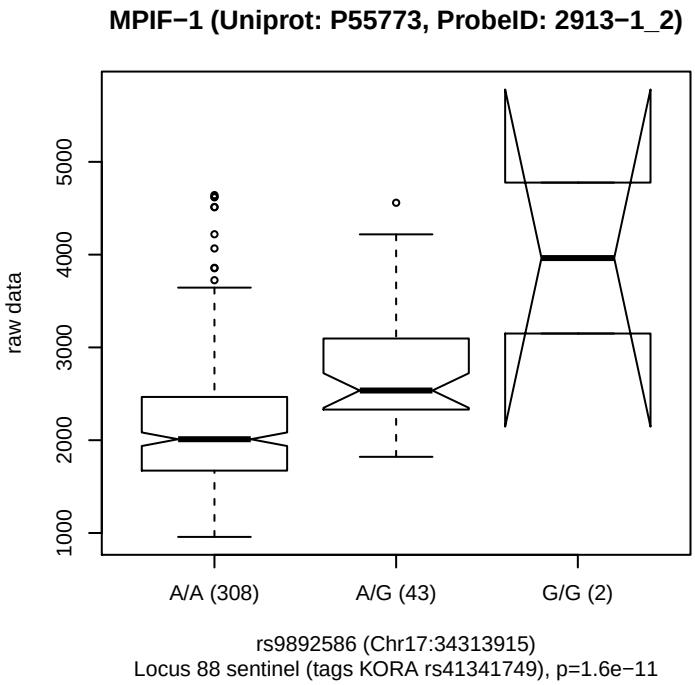

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
Frequency
0
20
40
60
80
100
11
12
13
14
log2−scaled data
C−C motif chemokine 14

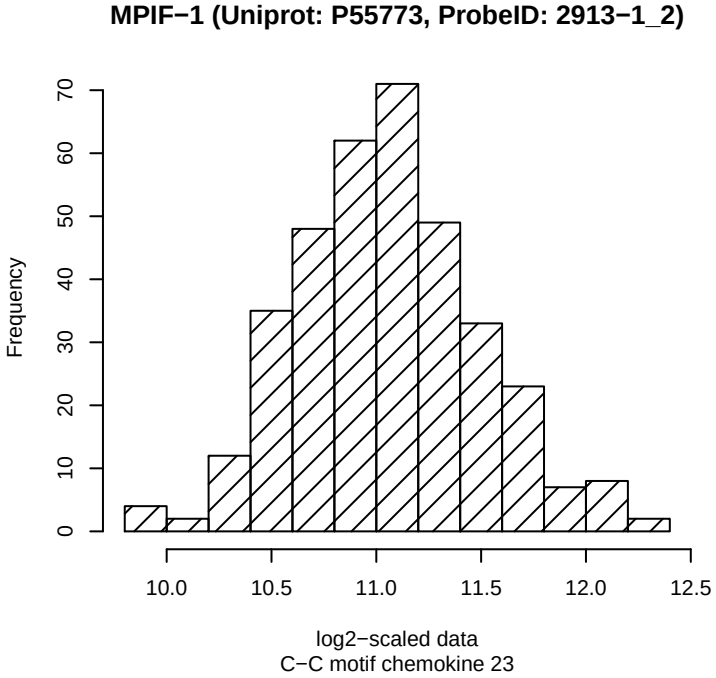

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
log2−scaled data
10
11
12
13
14
A/A (303)
A/G (42)
G/G (2)
rs41341749 (Chr17:34310702)
Locus 88 top sentinel (tags KORA rs41341749), p=3.7e−10, FC=−1.3745

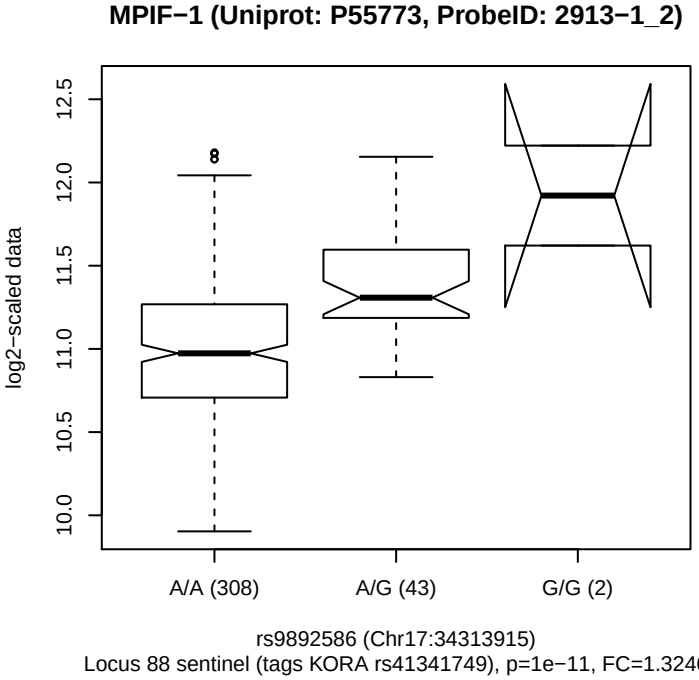

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 14

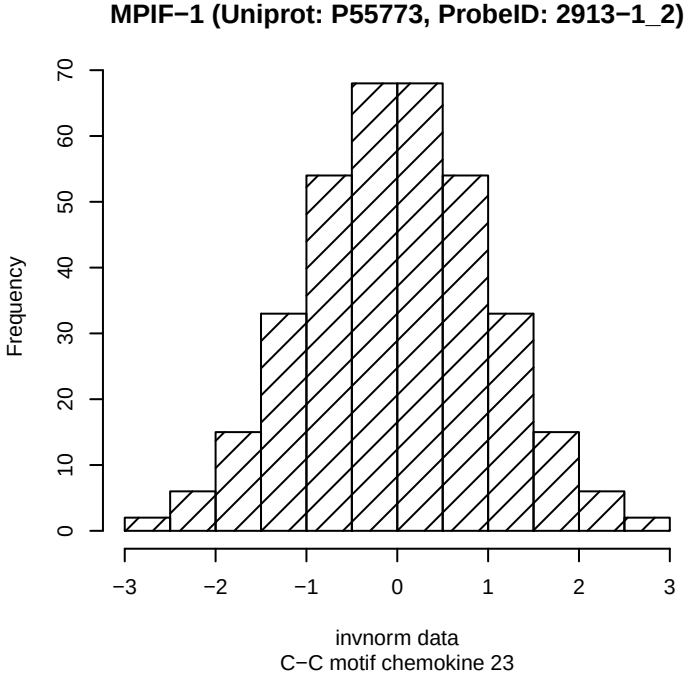

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
invnorm data
−4
−2
0
2
A/A (303)
A/G (42)
G/G (2)
rs41341749 (Chr17:34310702)
Locus 88 top sentinel (tags KORA rs41341749), p=3.5e−11

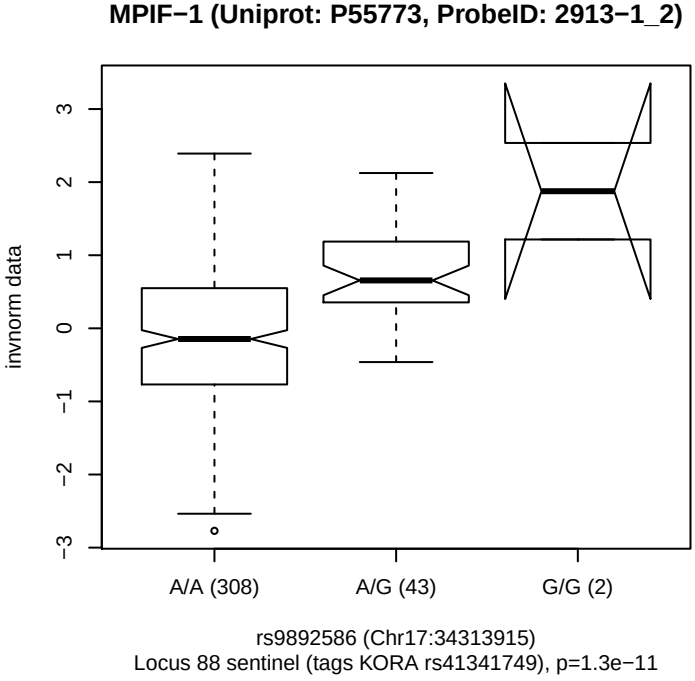

MPIF−1 (Uniprot: P55773, ProbeID: 2913−1_2)
Frequency
0
20
40
60
80
100
1000
2000
3000
4000
5000
raw data
C−C motif chemokine 23

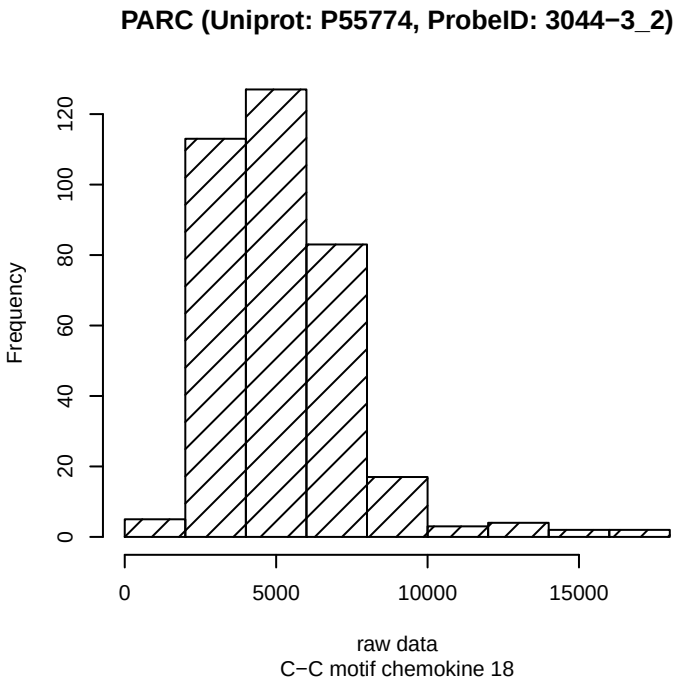

MPIF−1 (Uniprot: P55773, ProbeID: 2913−1_2)
raw data
1000
2000
3000
4000
5000
A/A (308)
A/G (43)
G/G (2)
rs9892586 (Chr17:34313915)
Locus 88 sentinel (tags KORA rs41341749), p=1.6e−11

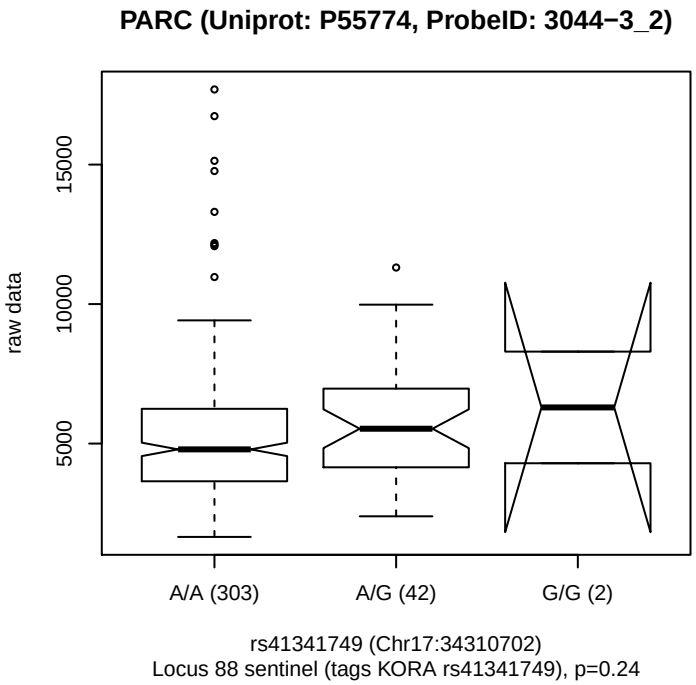

MPIF−1 (Uniprot: P55773, ProbeID: 2913−1_2)
Frequency
0
10
20
30
40
50
60
70
10.0
10.5
11.0
11.5
12.0
12.5
log2−scaled data
C−C motif chemokine 23

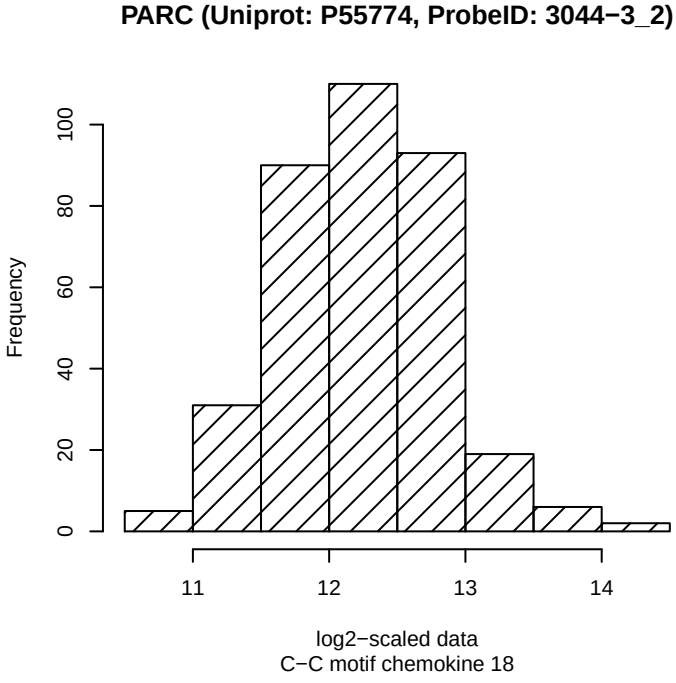

MPIF−1 (Uniprot: P55773, ProbeID: 2913−1_2)
log2−scaled data
10.0
10.5
11.0
11.5
12.0
12.5
A/A (308)
A/G (43)
G/G (2)
rs9892586 (Chr17:34313915)
Locus 88 sentinel (tags KORA rs41341749), p=1e−11, FC=1.3246

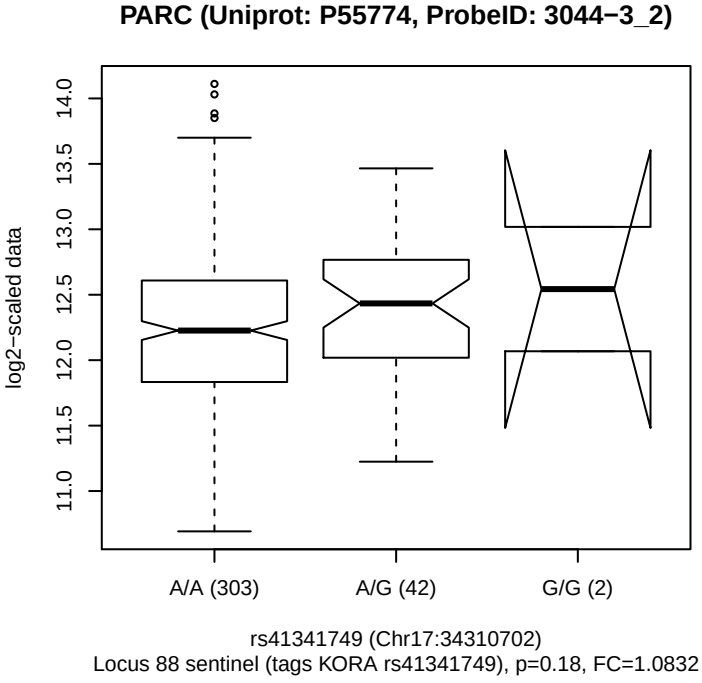

MPIF−1 (Uniprot: P55773, ProbeID: 2913−1_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 23

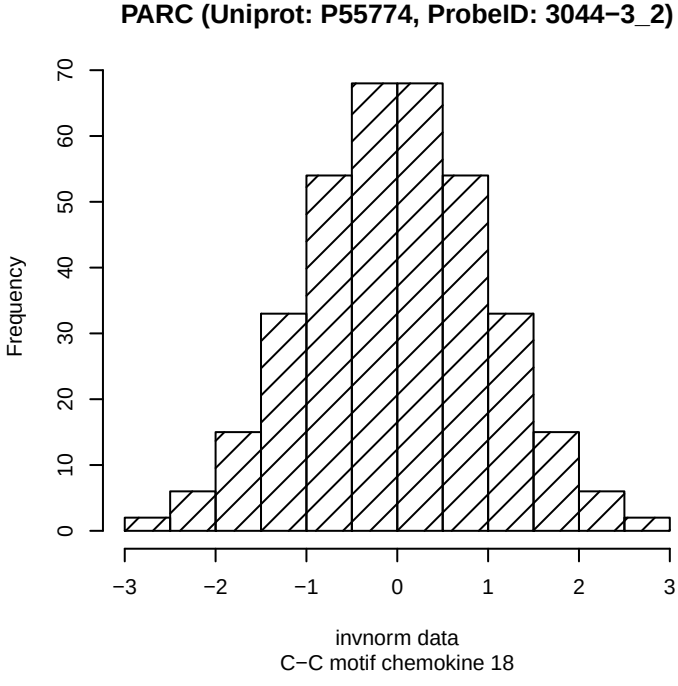

MPIF−1 (Uniprot: P55773, ProbeID: 2913−1_2)
invnorm data
−3
−2
−1
0
1
2
3
A/A (308)
A/G (43)
G/G (2)
rs9892586 (Chr17:34313915)
Locus 88 sentinel (tags KORA rs41341749), p=1.3e−11

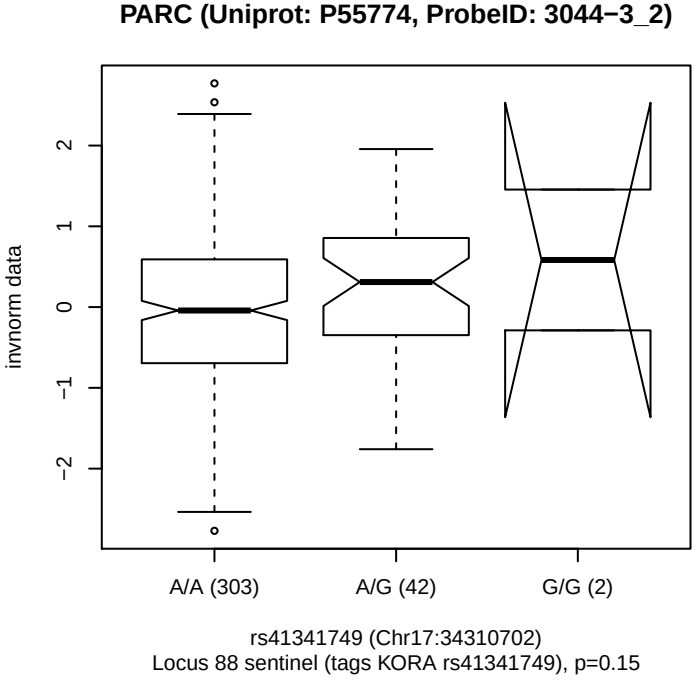

PARC (Uniprot: P55774, ProbeID: 3044−3_2)
Frequency
0
20
40
60
80
100
120
0
5000
10000
15000
raw data
C−C motif chemokine 18

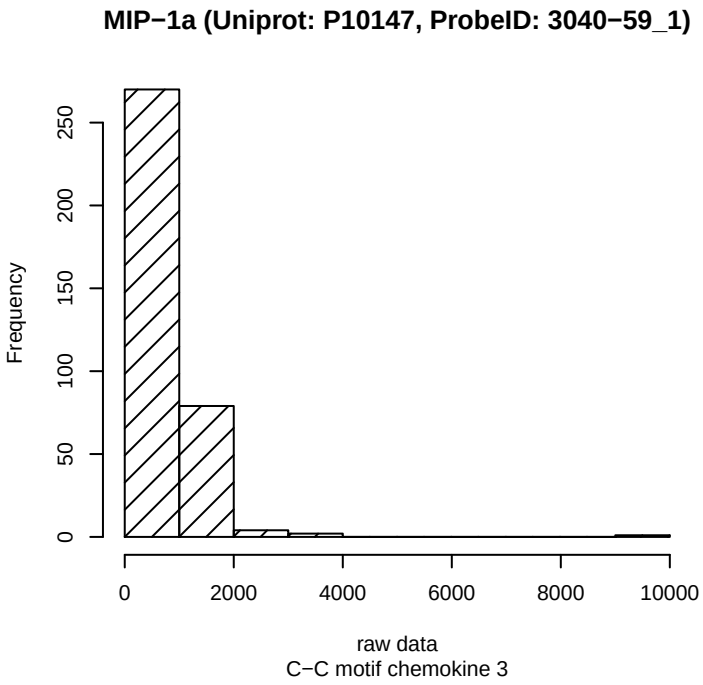

PARC (Uniprot: P55774, ProbeID: 3044−3_2)
raw data
5000
10000
15000
A/A (303)
A/G (42)
G/G (2)
rs41341749 (Chr17:34310702)
Locus 88 sentinel (tags KORA rs41341749), p=0.24

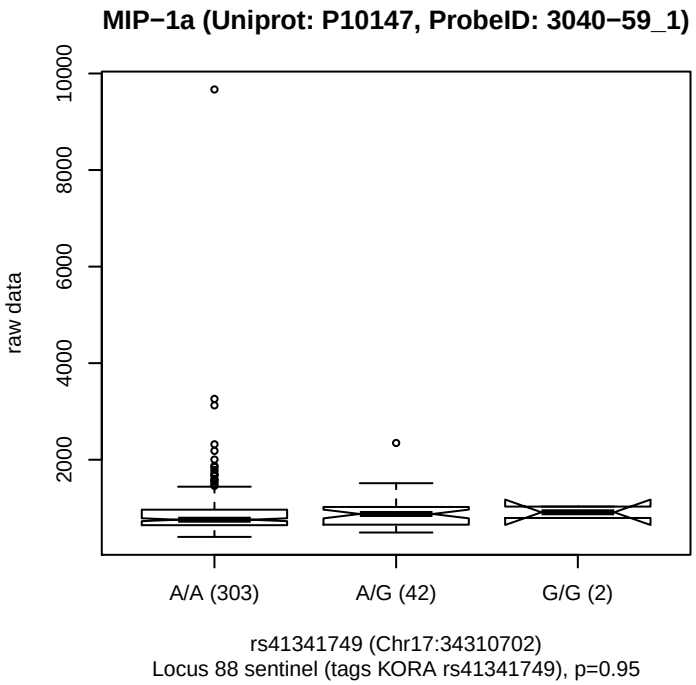

PARC (Uniprot: P55774, ProbeID: 3044−3_2)
Frequency
0
20
40
60
80
100
11
12
13
14
log2−scaled data
C−C motif chemokine 18

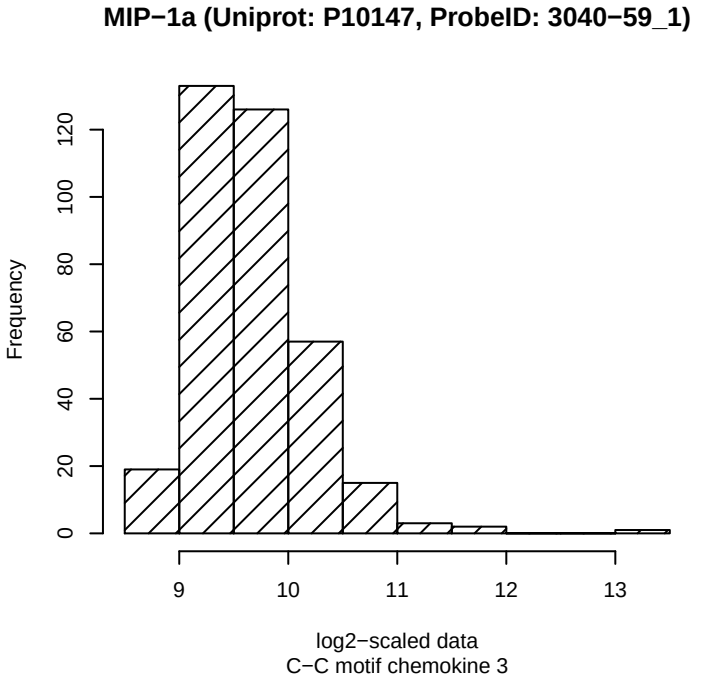

PARC (Uniprot: P55774, ProbeID: 3044−3_2)
log2−scaled data
11.0
11.5
12.0
12.5
13.0
13.5
14.0
A/A (303)
A/G (42)
G/G (2)
rs41341749 (Chr17:34310702)
Locus 88 sentinel (tags KORA rs41341749), p=0.18, FC=1.0832

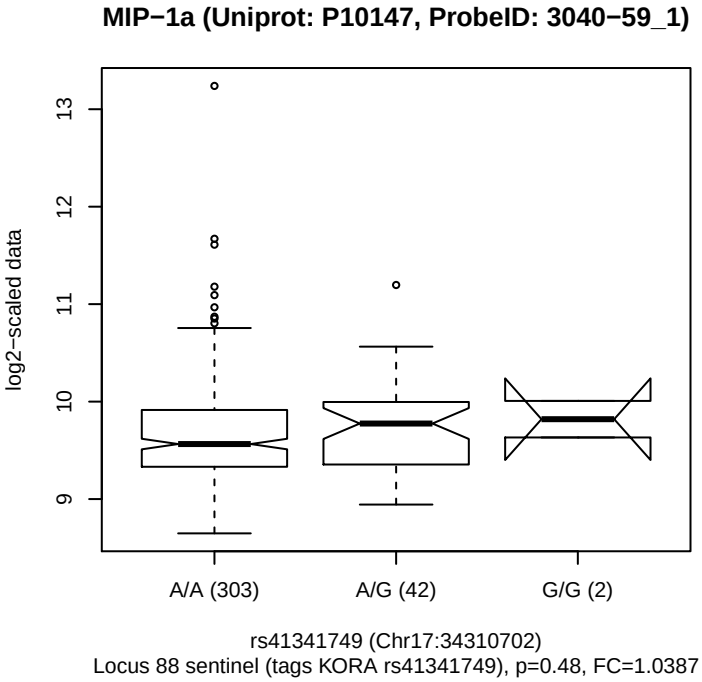

PARC (Uniprot: P55774, ProbeID: 3044−3_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 18

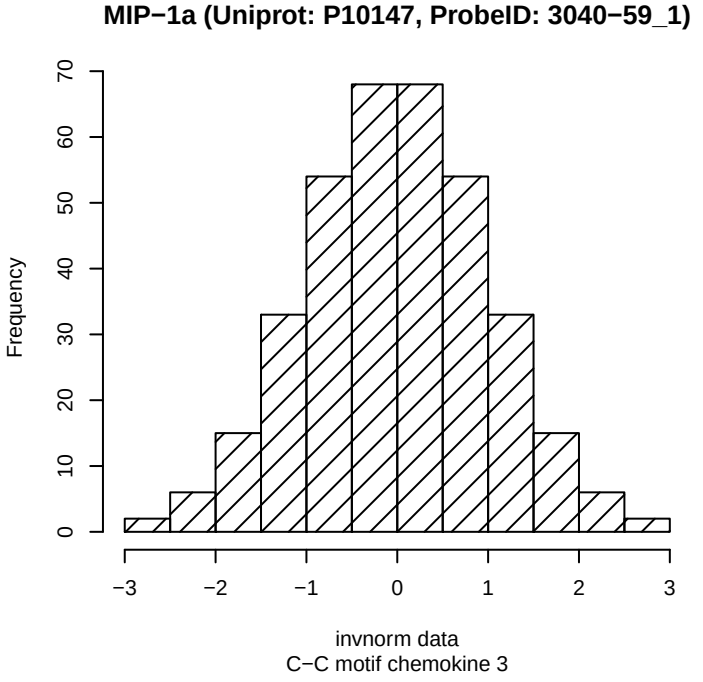

PARC (Uniprot: P55774, ProbeID: 3044−3_2)
invnorm data
−2
−1
0
1
2
A/A (303)
A/G (42)
G/G (2)
rs41341749 (Chr17:34310702)
Locus 88 sentinel (tags KORA rs41341749), p=0.15

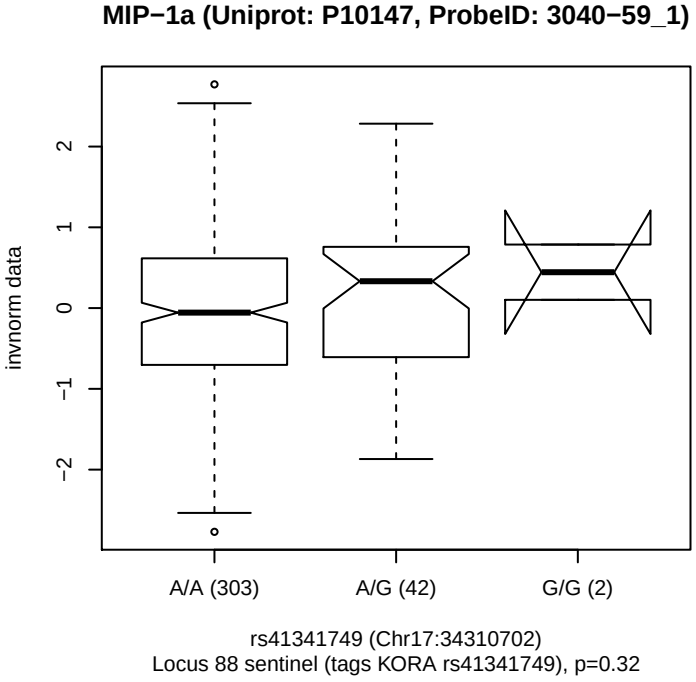

MIP−1a (Uniprot: P10147, ProbeID: 3040−59_1)
Frequency
0
50
100
150
200
250
0
2000
4000
6000
8000
10000
raw data
C−C motif chemokine 3

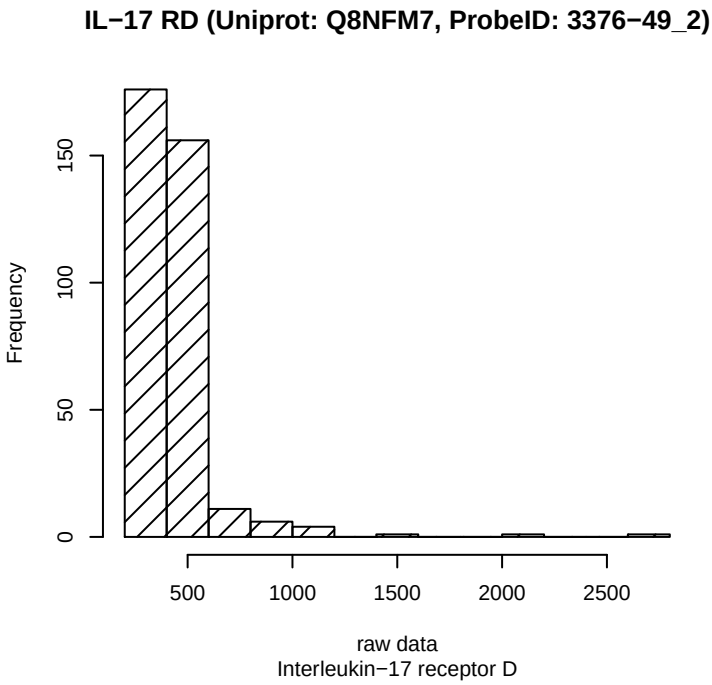

MIP−1a (Uniprot: P10147, ProbeID: 3040−59_1)
raw data
2000
4000
6000
8000
10000
A/A (303)
A/G (42)
G/G (2)
rs41341749 (Chr17:34310702)
Locus 88 sentinel (tags KORA rs41341749), p=0.95

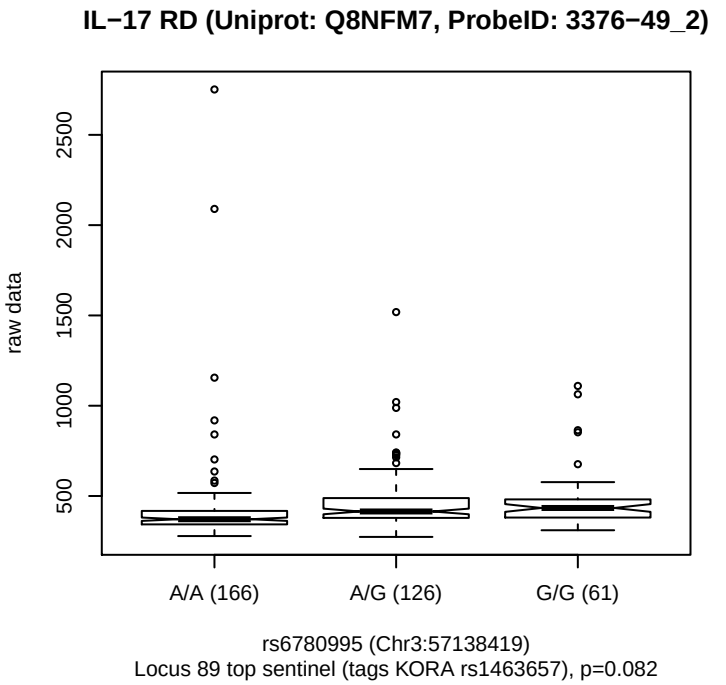

MIP−1a (Uniprot: P10147, ProbeID: 3040−59_1)
Frequency
0
20
40
60
80
100
120
9
10
11
12
13
log2−scaled data
C−C motif chemokine 3

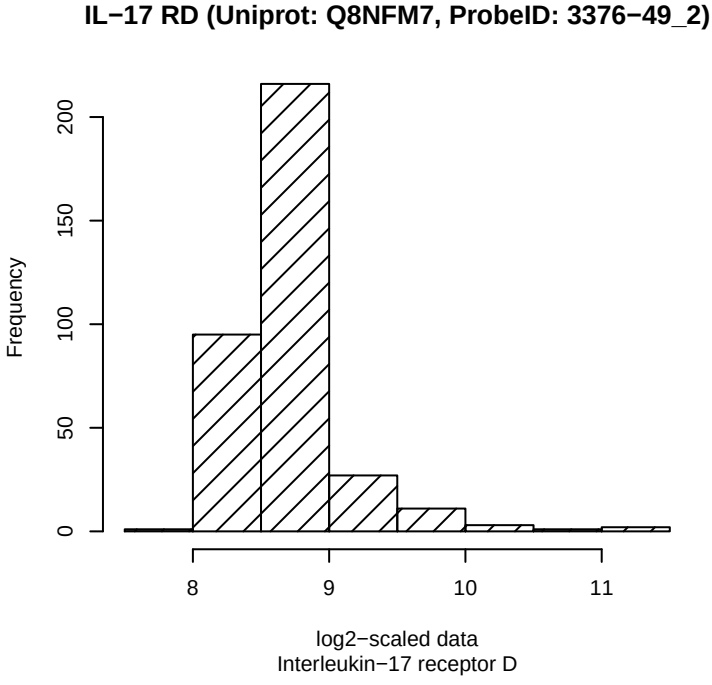

MIP−1a (Uniprot: P10147, ProbeID: 3040−59_1)
log2−scaled data
9
10
11
12
13
A/A (303)
A/G (42)
G/G (2)
rs41341749 (Chr17:34310702)
Locus 88 sentinel (tags KORA rs41341749), p=0.48, FC=1.0387

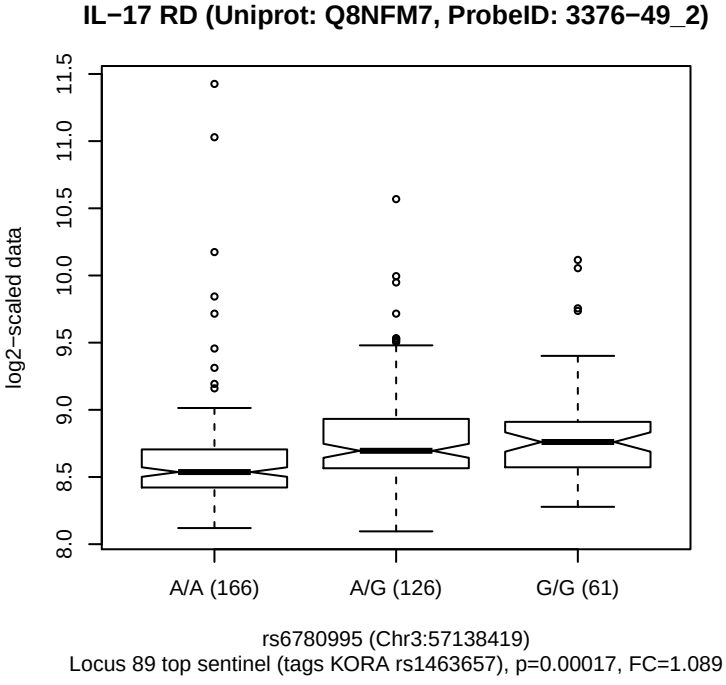

MIP−1a (Uniprot: P10147, ProbeID: 3040−59_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 3

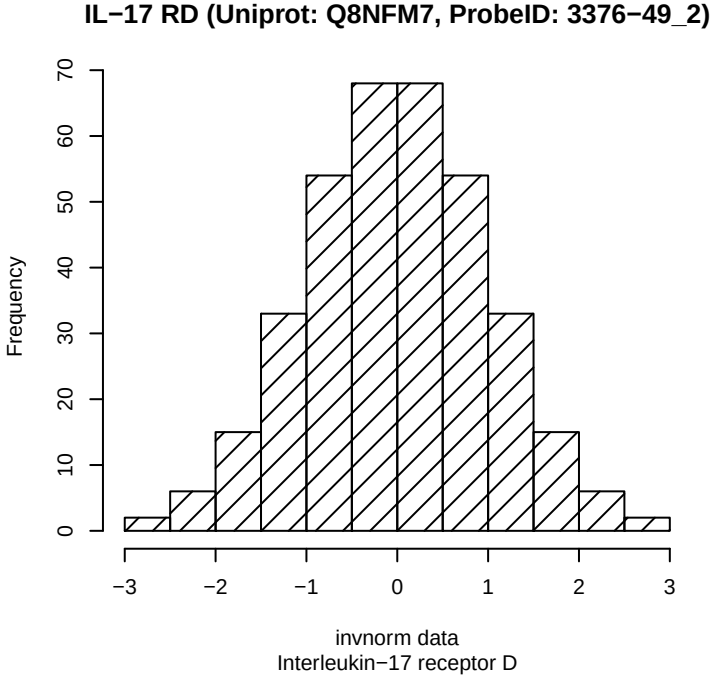

MIP−1a (Uniprot: P10147, ProbeID: 3040−59_1)
invnorm data
−2
−1
0
1
2
A/A (303)
A/G (42)
G/G (2)
rs41341749 (Chr17:34310702)
Locus 88 sentinel (tags KORA rs41341749), p=0.32

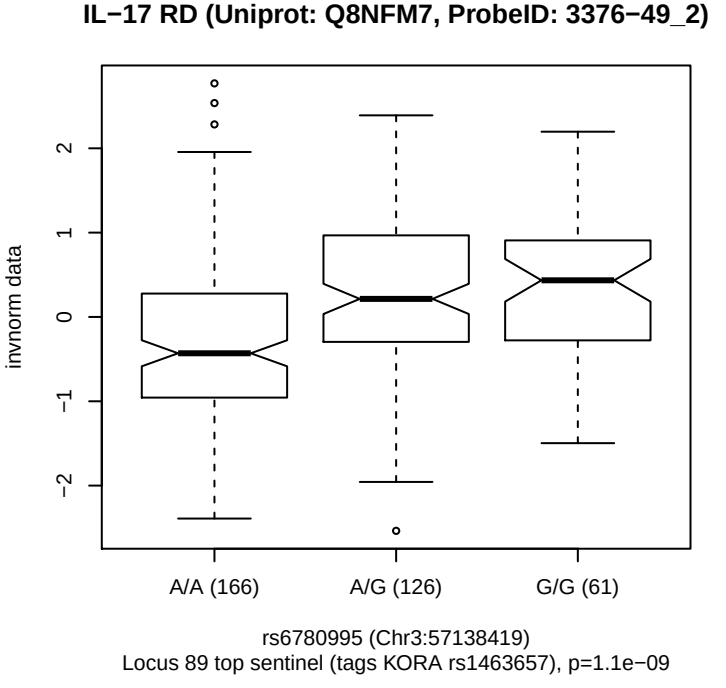

IL−17 RD (Uniprot: Q8NFM7, ProbeID: 3376−49_2)
Frequency
0
50
100
150
500
1000
1500
2000
2500
raw data
Interleukin−17 receptor D

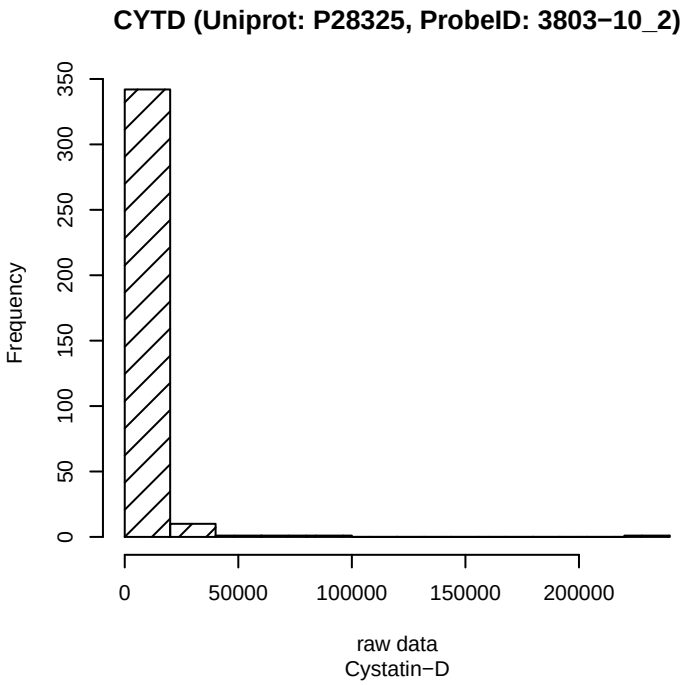

IL−17 RD (Uniprot: Q8NFM7, ProbeID: 3376−49_2)
raw data
500
1000
1500
2000
2500
A/A (166)
A/G (126)
G/G (61)
rs6780995 (Chr3:57138419)
Locus 89 top sentinel (tags KORA rs1463657), p=0.082

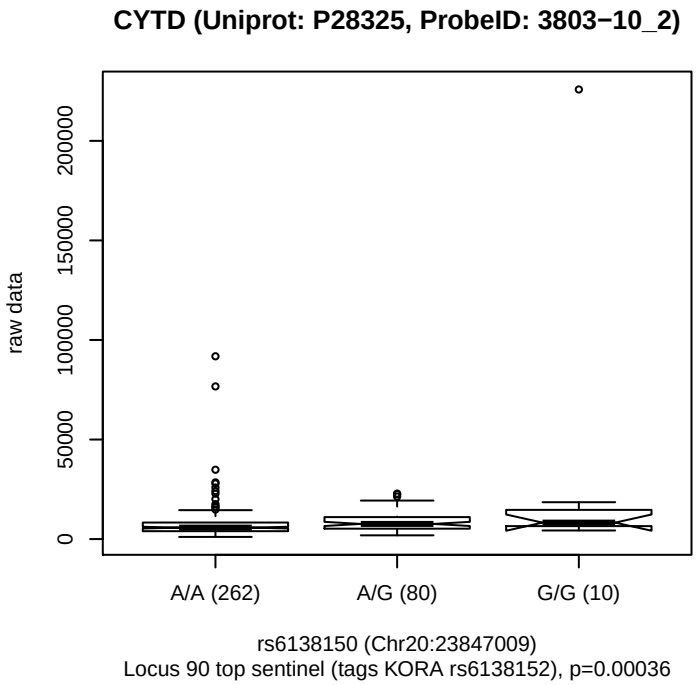

IL−17 RD (Uniprot: Q8NFM7, ProbeID: 3376−49_2)
Frequency
0
50
100
150
200
8
9
10
11
log2−scaled data
Interleukin−17 receptor D

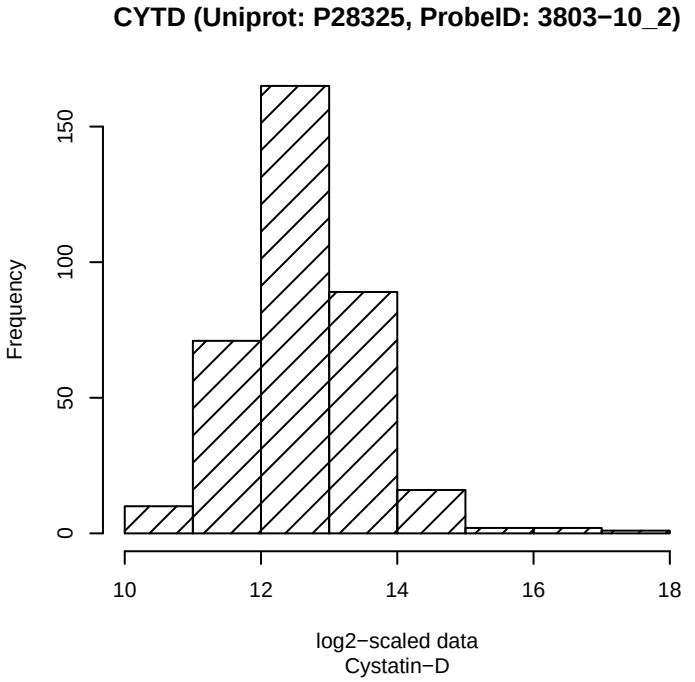

IL−17 RD (Uniprot: Q8NFM7, ProbeID: 3376−49_2)
log2−scaled data
8.0
8.5
9.0
9.5
10.0
10.5
11.0
11.5
A/A (166)
A/G (126)
G/G (61)
rs6780995 (Chr3:57138419)
Locus 89 top sentinel (tags KORA rs1463657), p=0.00017, FC=1.089

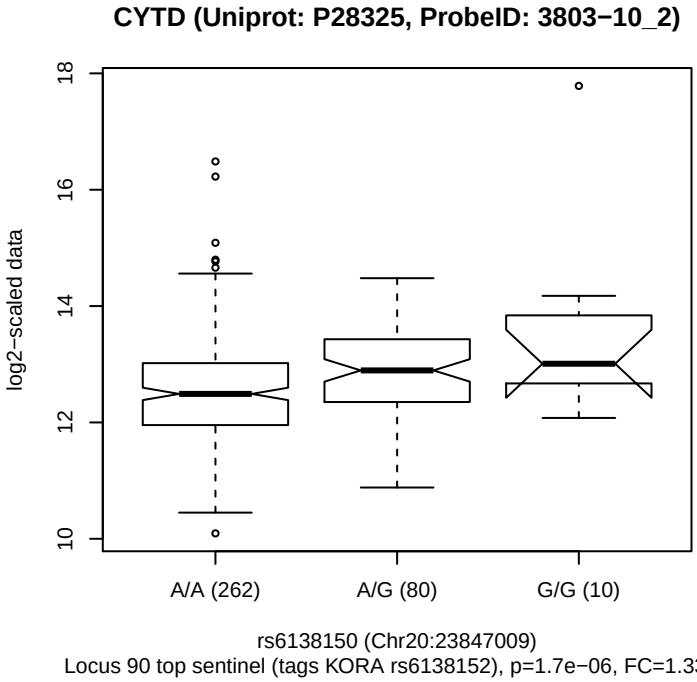

IL−17 RD (Uniprot: Q8NFM7, ProbeID: 3376−49_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−17 receptor D

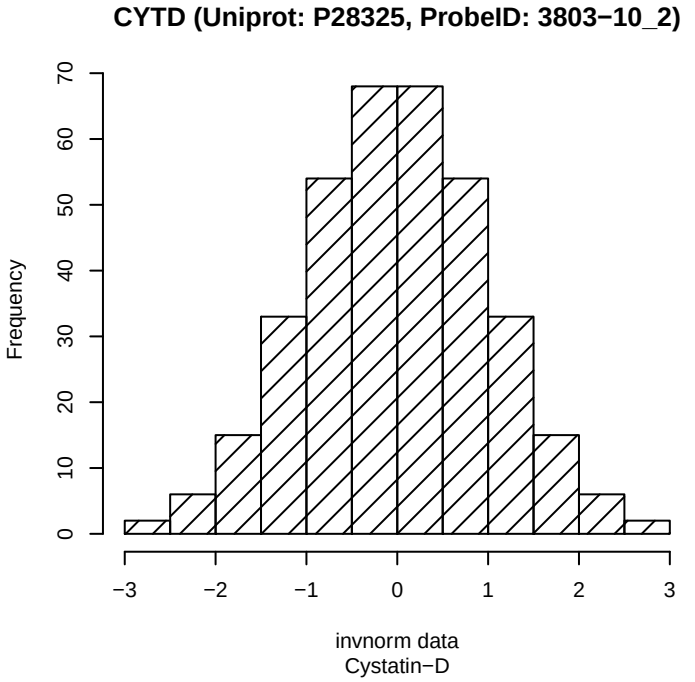

IL−17 RD (Uniprot: Q8NFM7, ProbeID: 3376−49_2)
invnorm data
−2
−1
0
1
2
A/A (166)
A/G (126)
G/G (61)
rs6780995 (Chr3:57138419)
Locus 89 top sentinel (tags KORA rs1463657), p=1.1e−09

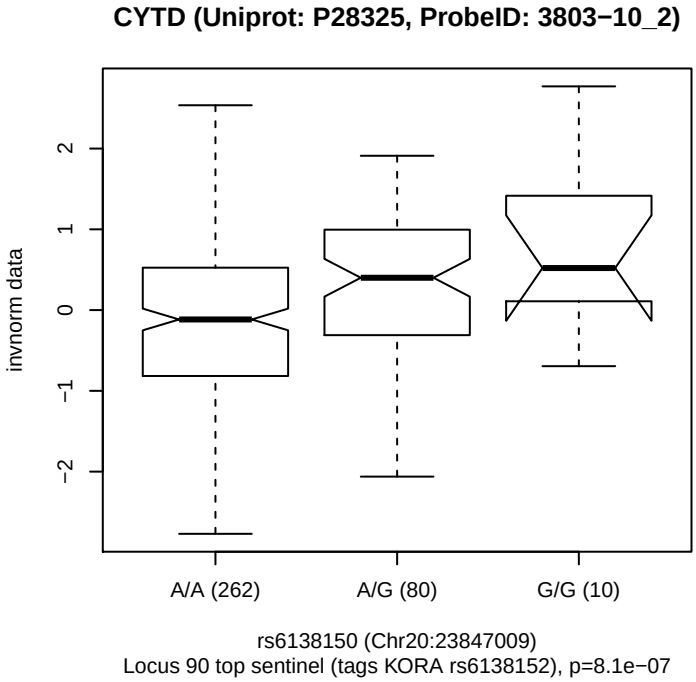

CYTD (Uniprot: P28325, ProbeID: 3803−10_2)
Frequency
0
50
100
150
200
250
300
350
0
50000
100000
150000
200000
raw data
Cystatin−D

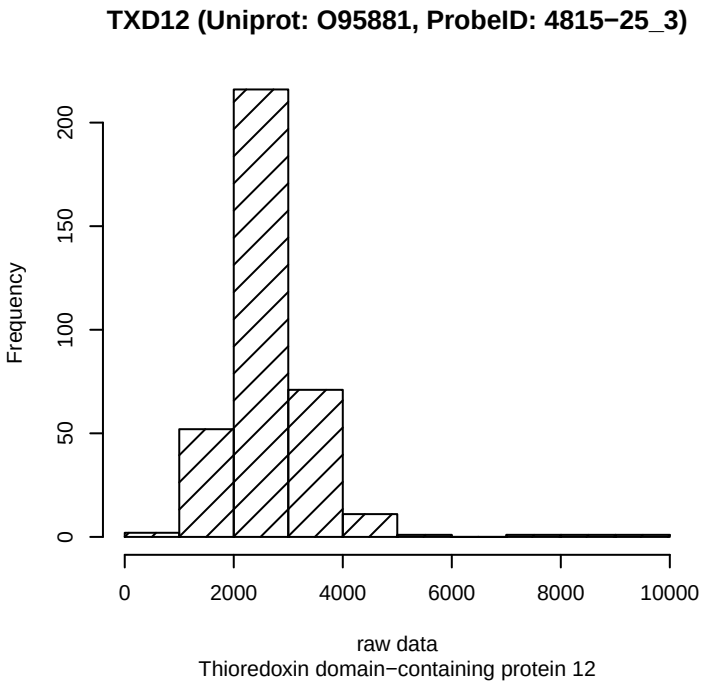

CYTD (Uniprot: P28325, ProbeID: 3803−10_2)
raw data
0
50000
100000
150000
200000
A/A (262)
A/G (80)
G/G (10)
rs6138150 (Chr20:23847009)
Locus 90 top sentinel (tags KORA rs6138152), p=0.00036

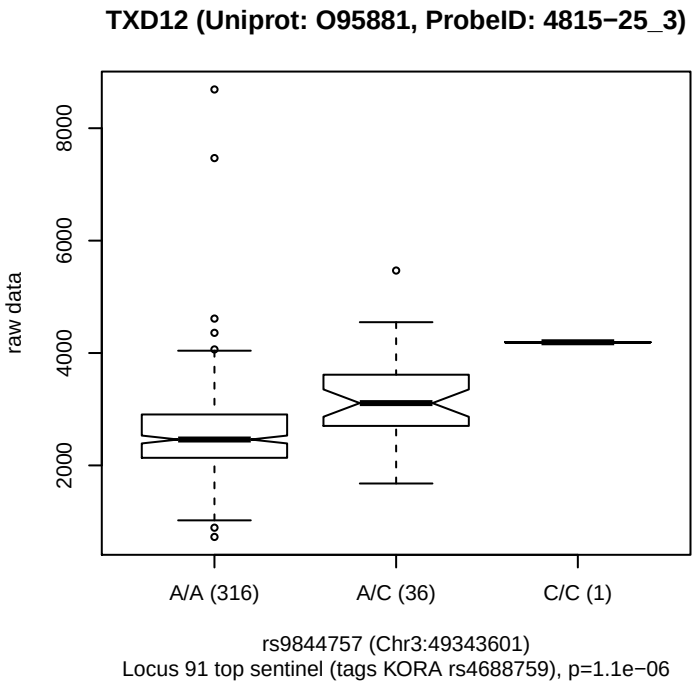

CYTD (Uniprot: P28325, ProbeID: 3803−10_2)
Frequency
0
50
100
150
10
12
14
16
18
log2−scaled data
Cystatin−D

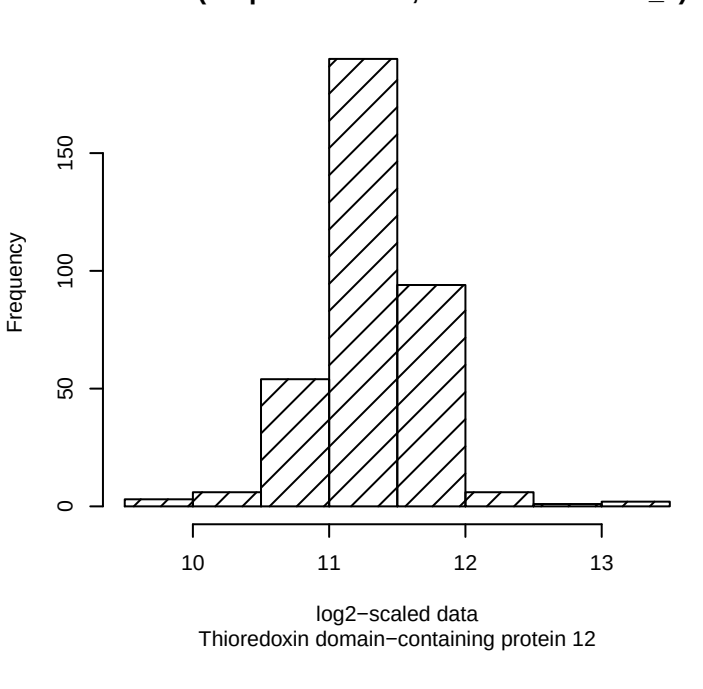

CYTD (Uniprot: P28325, ProbeID: 3803−10_2)
log2−scaled data
10
12
14
16
18
A/A (262)
A/G (80)
G/G (10)
rs6138150 (Chr20:23847009)
Locus 90 top sentinel (tags KORA rs6138152), p=1.7e−06, FC=1.3345

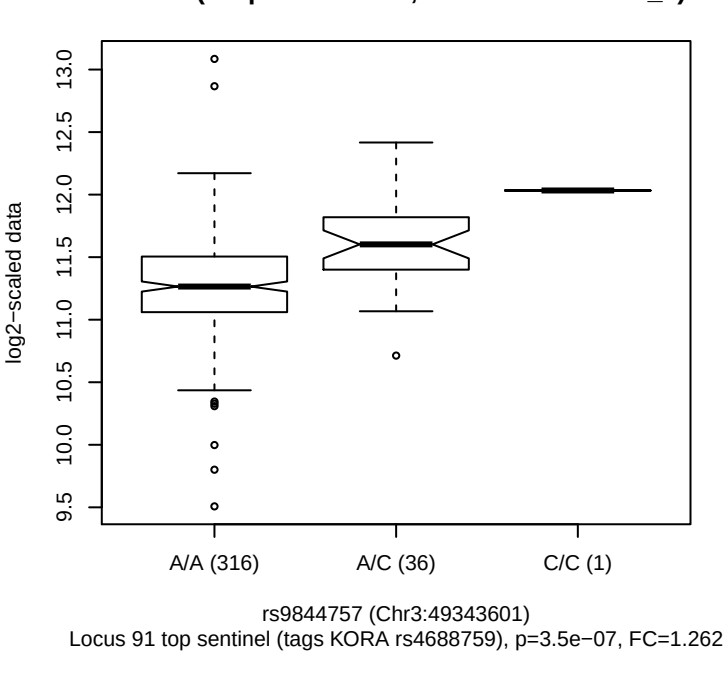

CYTD (Uniprot: P28325, ProbeID: 3803−10_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Cystatin−D

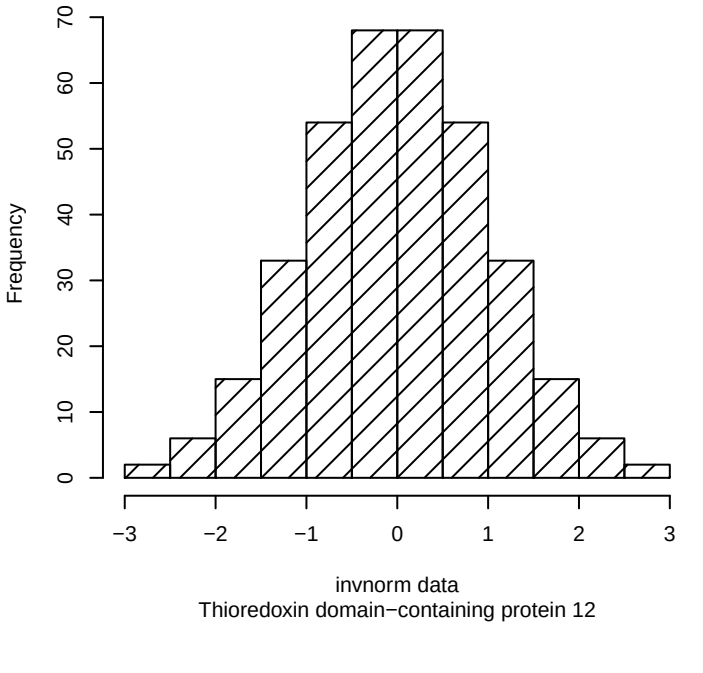

CYTD (Uniprot: P28325, ProbeID: 3803−10_2)
invnorm data
−2
−1
0
1
2
A/A (262)
A/G (80)
G/G (10)
rs6138150 (Chr20:23847009)
Locus 90 top sentinel (tags KORA rs6138152), p=8.1e−07

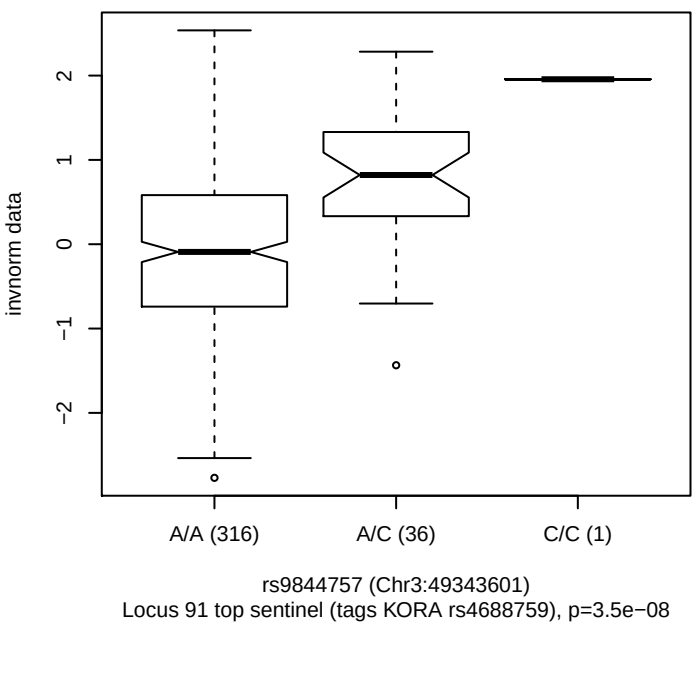

TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
Frequency
0
50
100
150
200
0
2000
4000
6000
8000
10000
raw data
Thioredoxin domain−containing protein 12

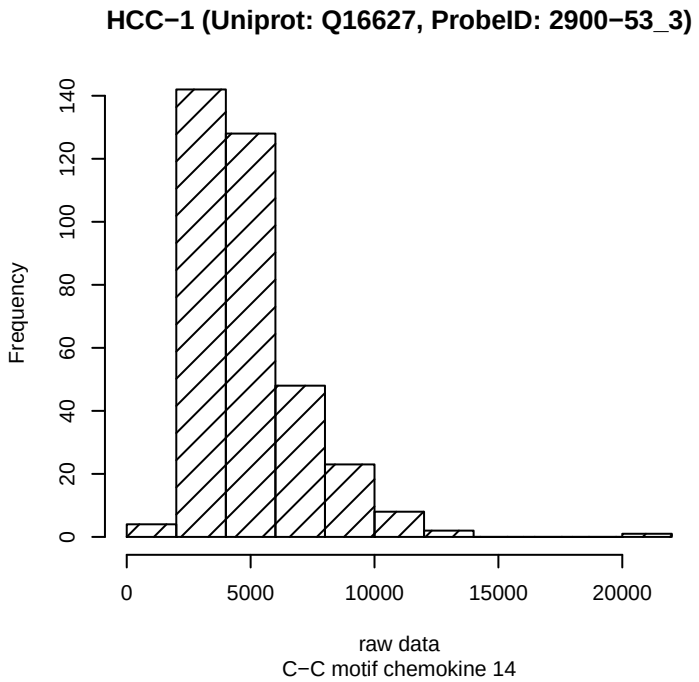

TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
raw data
2000
4000
6000
8000
A/A (316)
A/C (36)
C/C (1)
rs9844757 (Chr3:49343601)
Locus 91 top sentinel (tags KORA rs4688759), p=1.1e−06

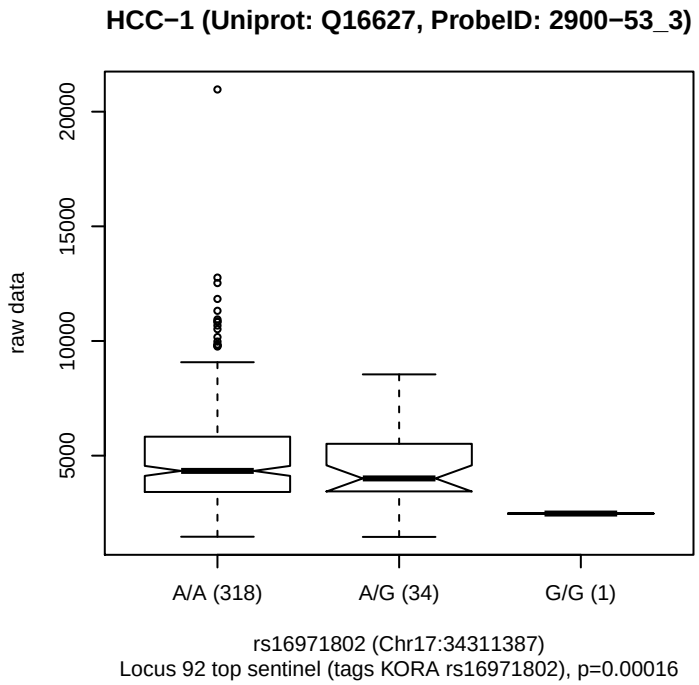

TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
Frequency
0
50
100
150
10
11
12
13
log2−scaled data
Thioredoxin domain−containing protein 12

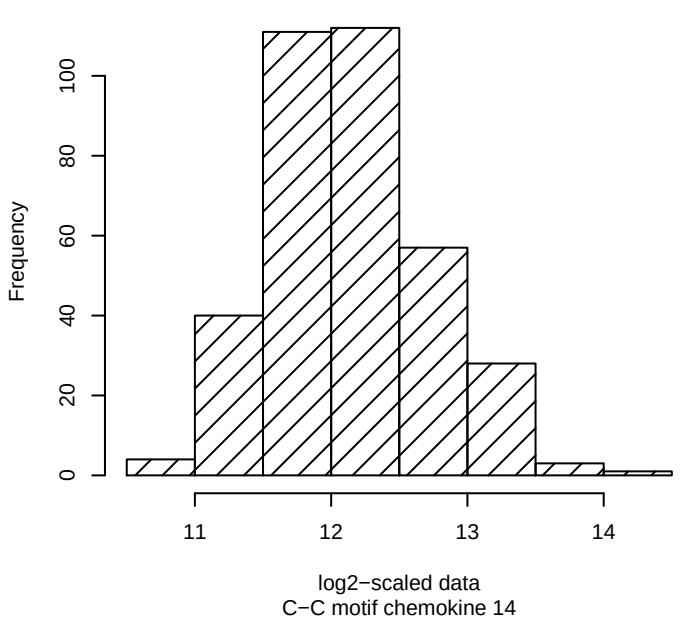

TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
log2−scaled data
9.5
10.0
10.5
11.0
11.5
12.0
12.5
13.0
A/A (316)
A/C (36)
C/C (1)
rs9844757 (Chr3:49343601)
Locus 91 top sentinel (tags KORA rs4688759), p=3.5e−07, FC=1.262

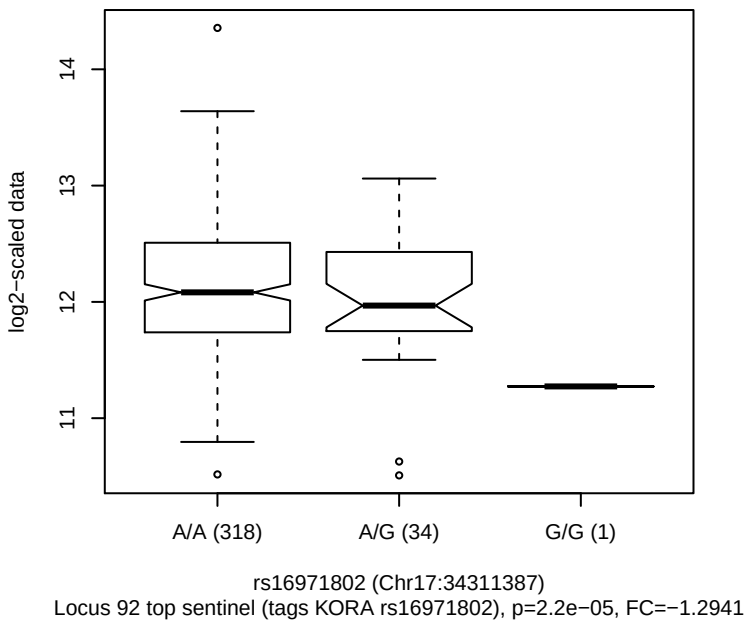

TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Thioredoxin domain−containing protein 12

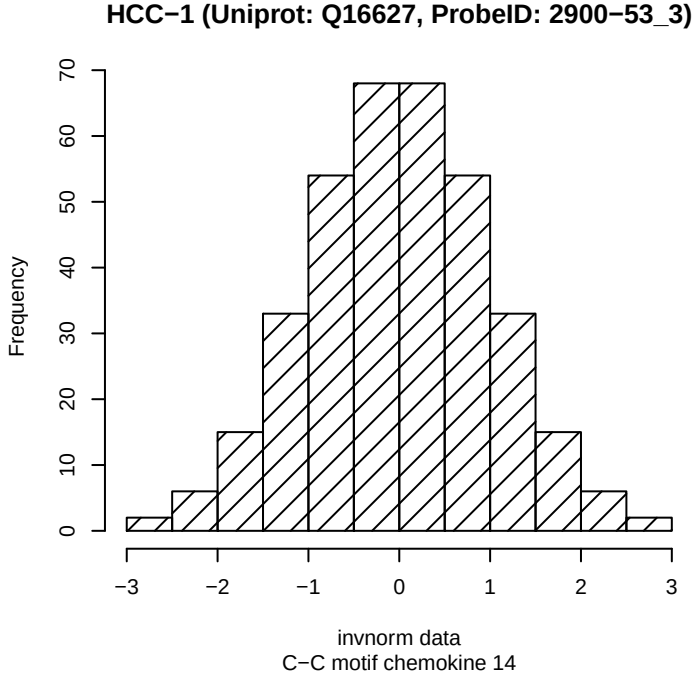

TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
invnorm data
−2
−1
0
1
2
A/A (316)
A/C (36)
C/C (1)
rs9844757 (Chr3:49343601)
Locus 91 top sentinel (tags KORA rs4688759), p=3.5e−08

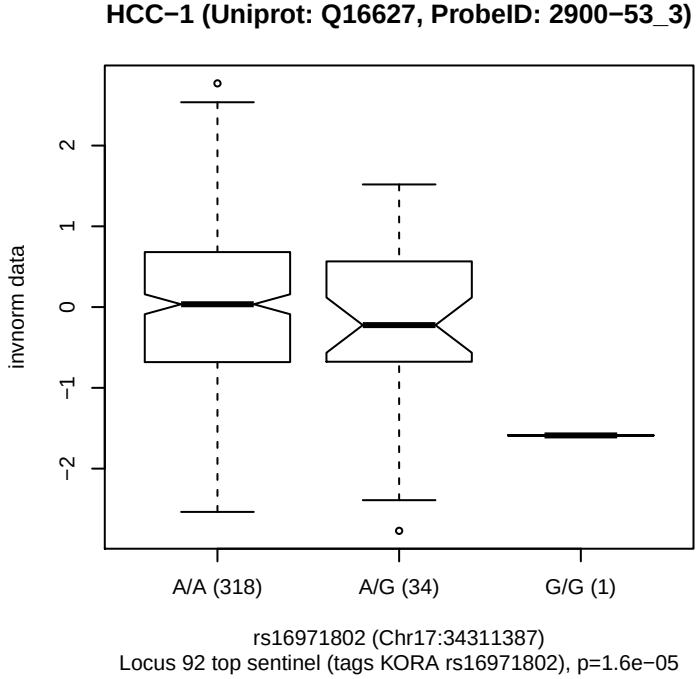

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
Frequency
0
20
40
60
80
100
120
140
0
5000
10000
15000
20000
raw data
C−C motif chemokine 14


HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
raw data
5000
10000
15000
20000
A/A (318)
A/G (34)
G/G (1)
rs16971802 (Chr17:34311387)
Locus 92 top sentinel (tags KORA rs16971802), p=0.00016

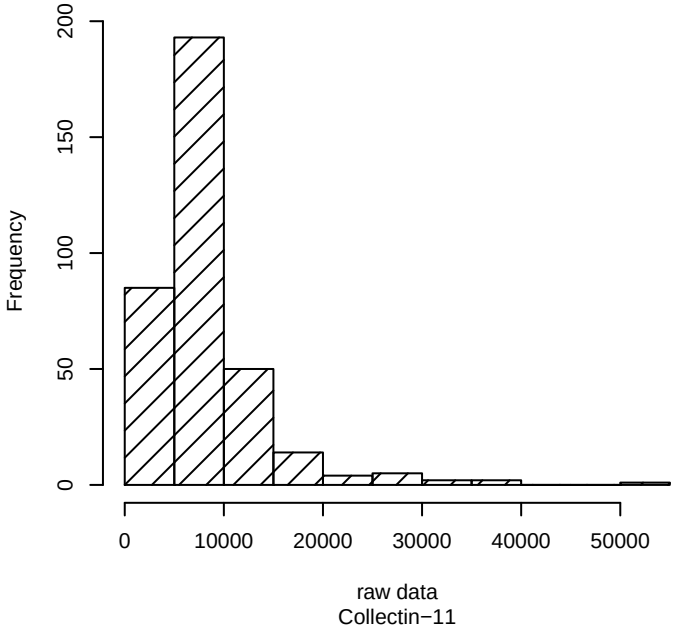

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
Frequency
0
20
40
60
80
100
11
12
13
14
log2−scaled data
C−C motif chemokine 14


HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
log2−scaled data
11
12
13
14
A/A (318)
A/G (34)
G/G (1)
rs16971802 (Chr17:34311387)
Locus 92 top sentinel (tags KORA rs16971802), p=2.2e−05, FC=−1.2941

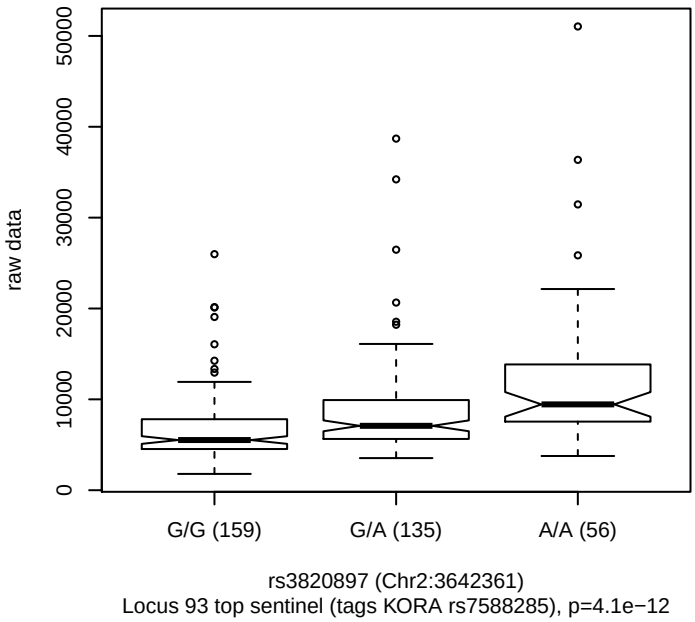

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 14


HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
invnorm data
−2
−1
0
1
2
A/A (318)
A/G (34)
G/G (1)
rs16971802 (Chr17:34311387)
Locus 92 top sentinel (tags KORA rs16971802), p=1.6e−05

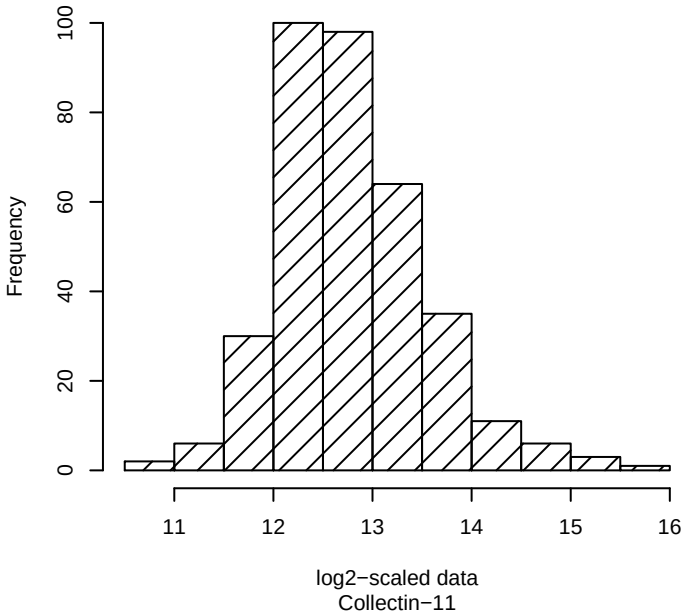
Collectin Kidney 1 (Uniprot: Q9BWP8, ProbeID: 4430−44_



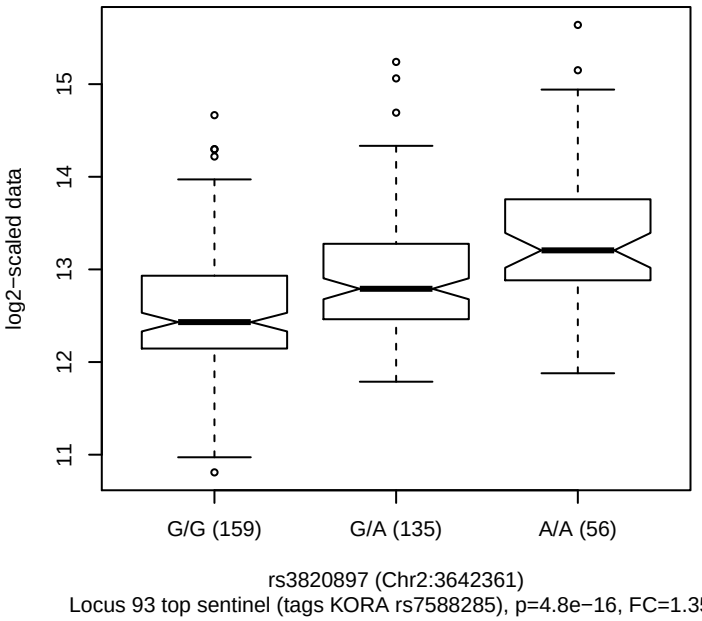
Collectin Kidney 1 (Uniprot: Q9BWP8, ProbeID: 4430−44_



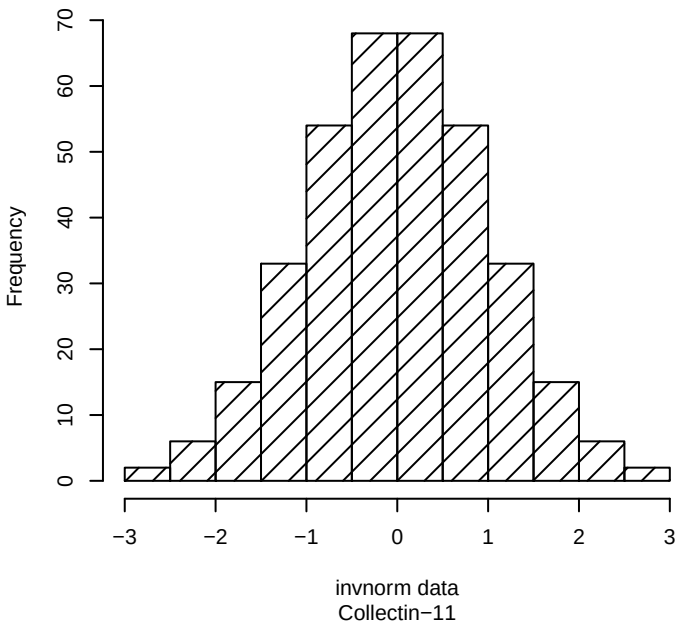
Collectin Kidney 1 (Uniprot: Q9BWP8, ProbeID: 4430−44_



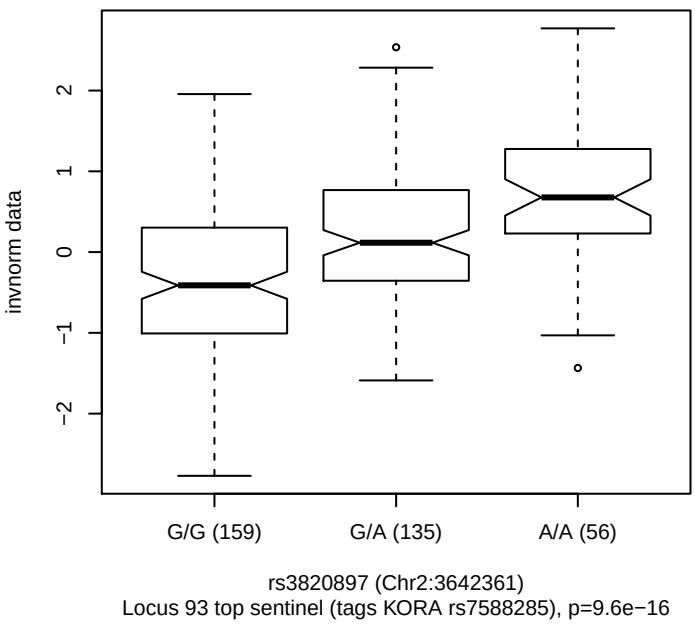
Collectin Kidney 1 (Uniprot: Q9BWP8, ProbeID: 4430−44_

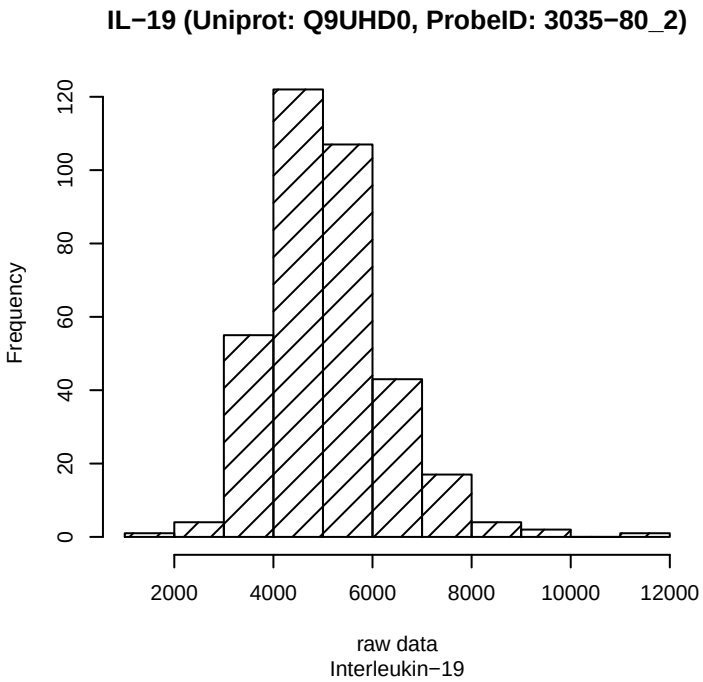


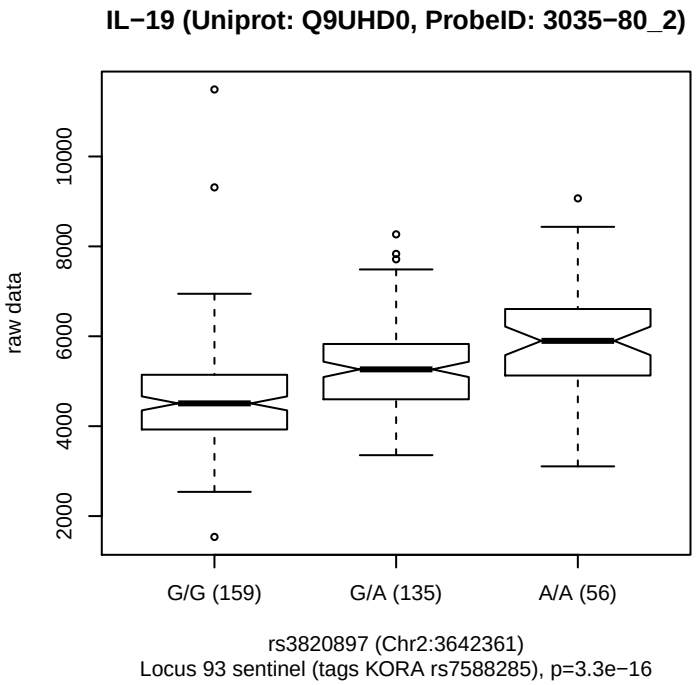
Collectin Kidney 1 (Uniprot: Q9BWP8, ProbeID: 4430−44_

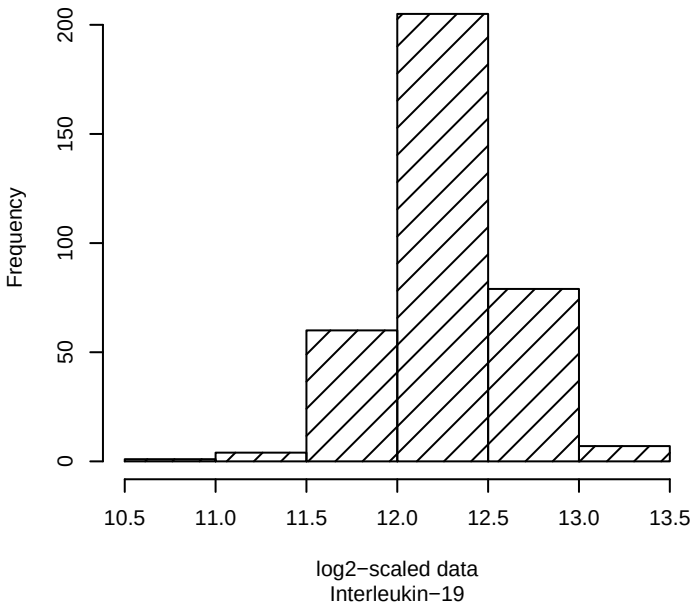


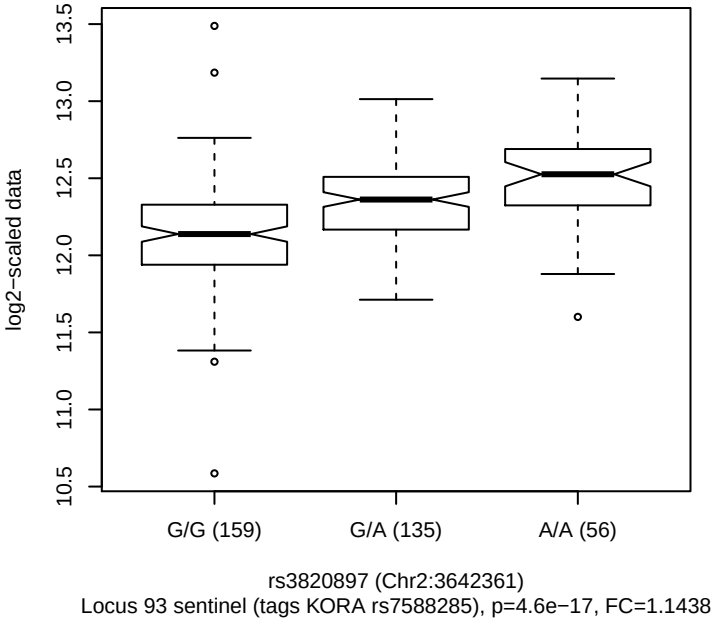
Collectin Kidney 1 (Uniprot: Q9BWP8, ProbeID: 4430−44_

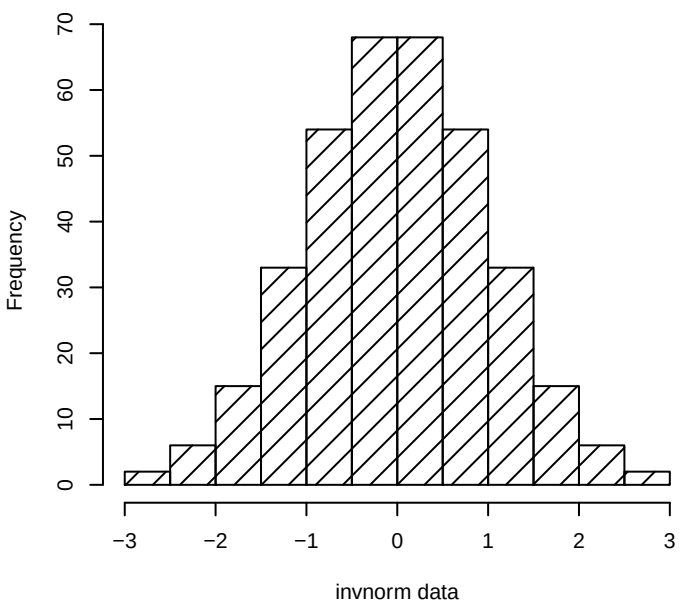


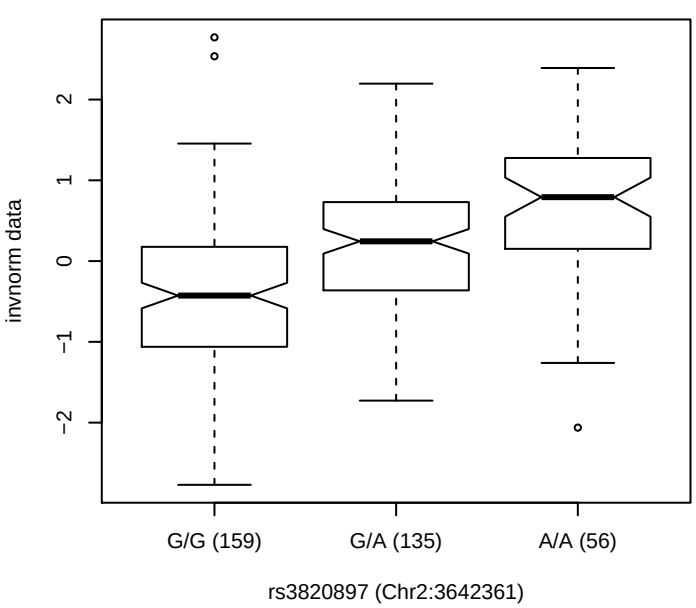

IL−19 (Uniprot: Q9UHD0, ProbeID: 3035−80_2)
Frequency
0
20
40
60
80
100
120
2000
4000
6000
8000
10000
12000
raw data
Interleukin−19

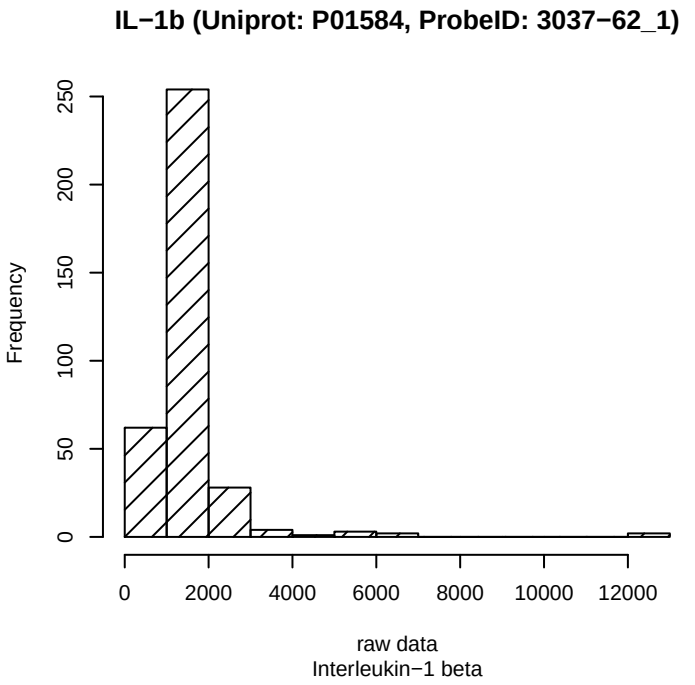

IL−19 (Uniprot: Q9UHD0, ProbeID: 3035−80_2)
raw data
2000
4000
6000
8000
10000
G/G (159)
G/A (135)
A/A (56)
rs3820897 (Chr2:3642361)
Locus 93 sentinel (tags KORA rs7588285), p=3.3e−16

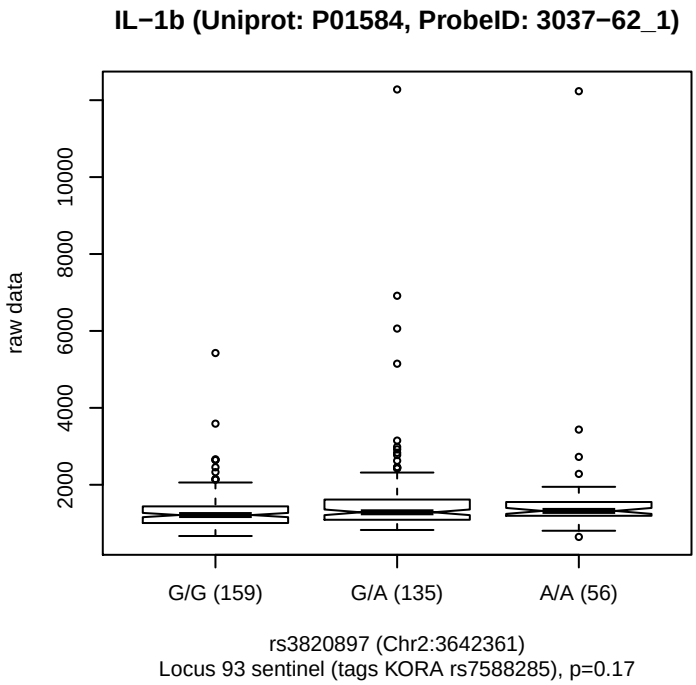

IL−19 (Uniprot: Q9UHD0, ProbeID: 3035−80_2)
Frequency
0
50
100
150
200
10.5
11.0
11.5
12.0
12.5
13.0
13.5
log2−scaled data
Interleukin−19

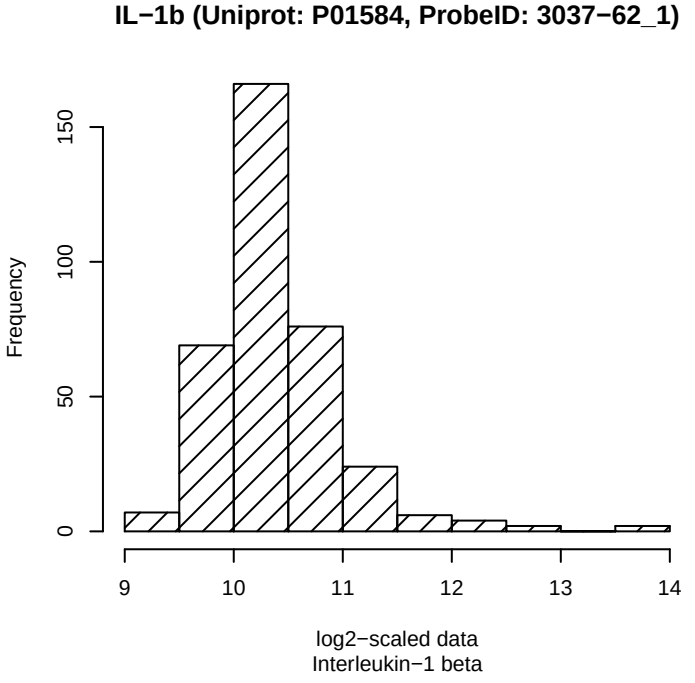

IL−19 (Uniprot: Q9UHD0, ProbeID: 3035−80_2)
log2−scaled data
10.5
11.0
11.5
12.0
12.5
13.0
13.5
G/G (159)
G/A (135)
A/A (56)
rs3820897 (Chr2:3642361)
Locus 93 sentinel (tags KORA rs7588285), p=4.6e−17, FC=1.1438

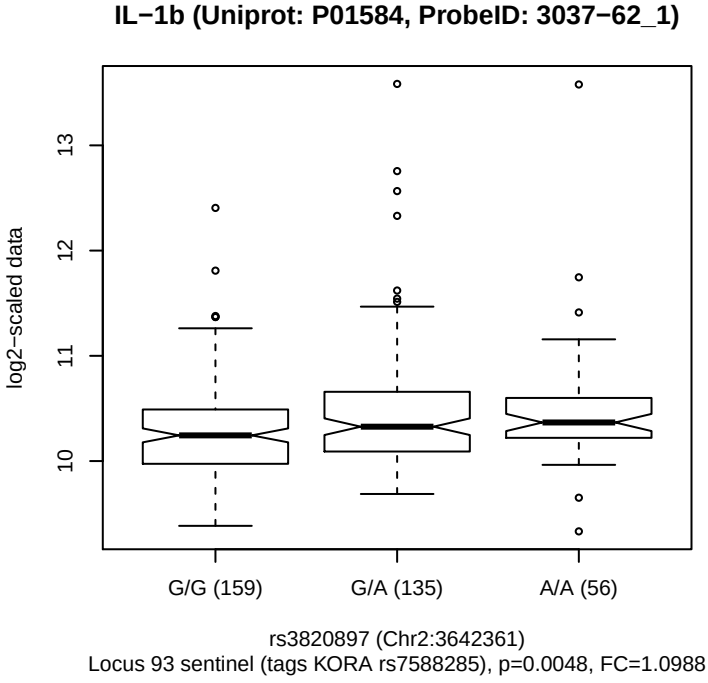

IL−19 (Uniprot: Q9UHD0, ProbeID: 3035−80_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−19

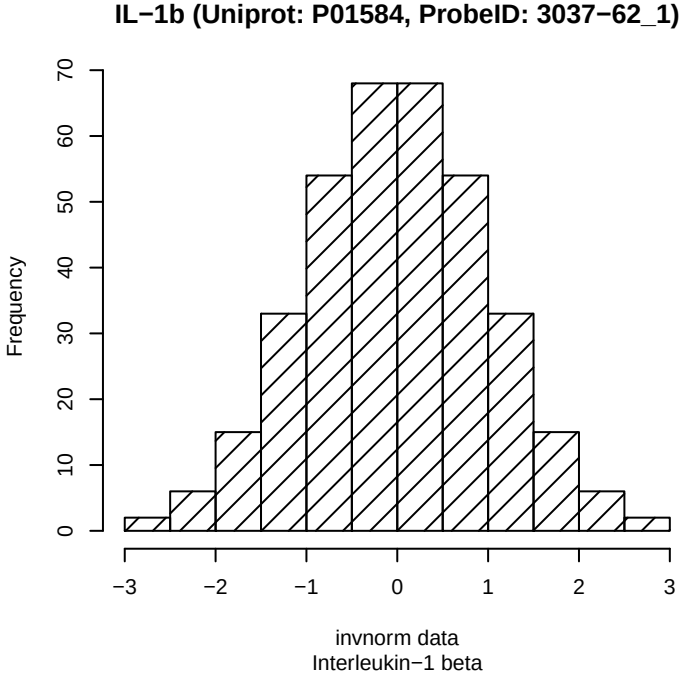

IL−19 (Uniprot: Q9UHD0, ProbeID: 3035−80_2)
invnorm data
−2
−1
0
1
2
G/G (159)
G/A (135)
A/A (56)
rs3820897 (Chr2:3642361)
Locus 93 sentinel (tags KORA rs7588285), p=3.5e−18

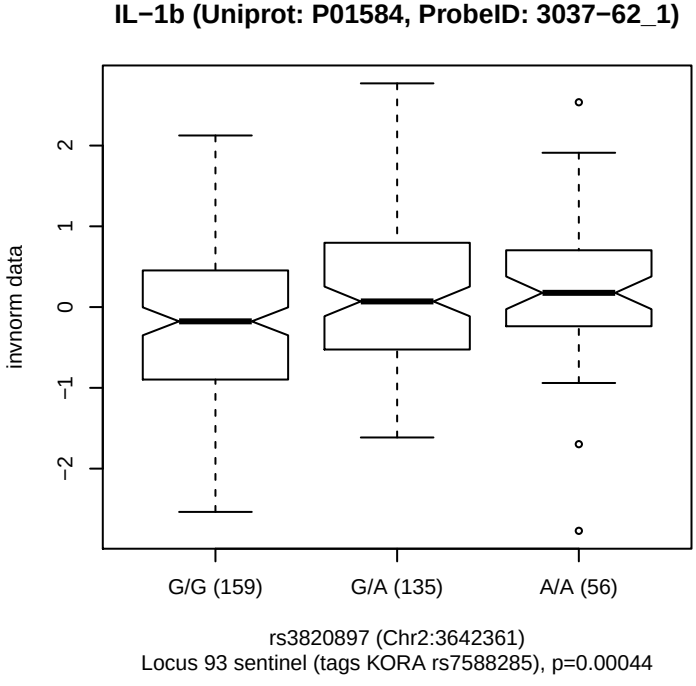

IL−1b (Uniprot: P01584, ProbeID: 3037−62_1)
Frequency
0
50
100
150
200
250
0
2000
4000
6000
8000
10000
12000
raw data
Interleukin−1 beta


IL−1b (Uniprot: P01584, ProbeID: 3037−62_1)
raw data
2000
4000
6000
8000
10000
G/G (159)
G/A (135)
A/A (56)
rs3820897 (Chr2:3642361)
Locus 93 sentinel (tags KORA rs7588285), p=0.17

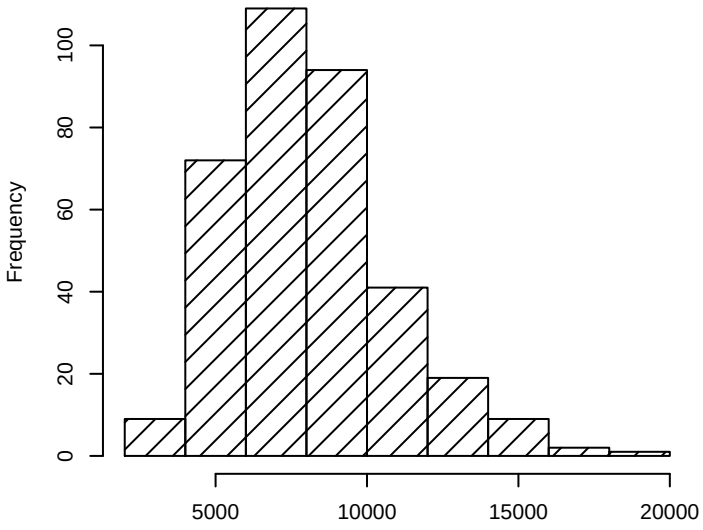

IL−1b (Uniprot: P01584, ProbeID: 3037−62_1)
Frequency
0
50
100
150
9
10
11
12
13
14
log2−scaled data
Interleukin−1 beta


IL−1b (Uniprot: P01584, ProbeID: 3037−62_1)
log2−scaled data
10
11
12
13
G/G (159)
G/A (135)
A/A (56)
rs3820897 (Chr2:3642361)
Locus 93 sentinel (tags KORA rs7588285), p=0.0048, FC=1.0988


IL−1b (Uniprot: P01584, ProbeID: 3037−62_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−1 beta

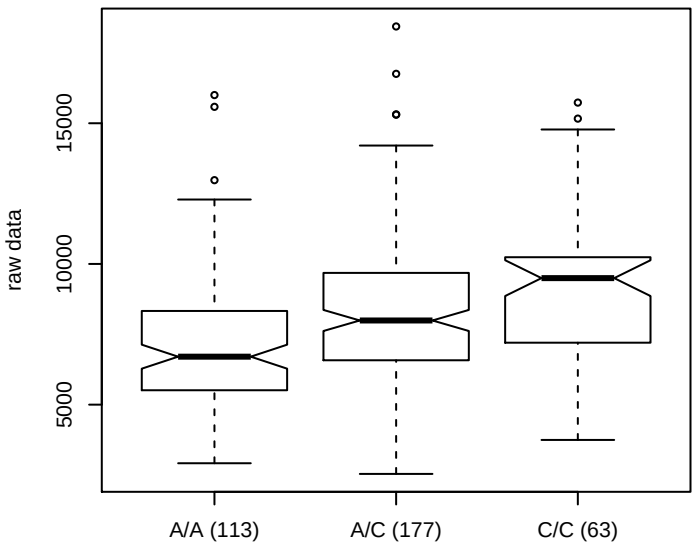

IL−1b (Uniprot: P01584, ProbeID: 3037−62_1)
invnorm data
−2
−1
0
1
2
G/G (159)
G/A (135)
A/A (56)
rs3820897 (Chr2:3642361)
Locus 93 sentinel (tags KORA rs7588285), p=0.00044

WFKN2 (Uniprot: Q8TEU8, ProbeID: 3235−50_2)



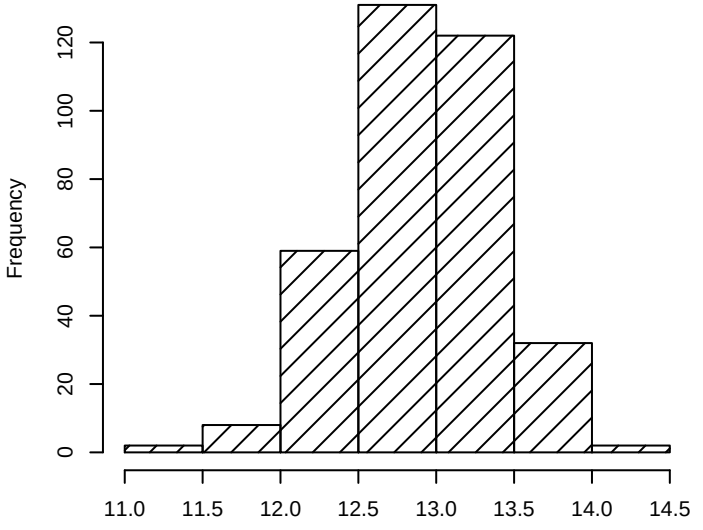
WAP, Kazal, immunoglobulin, Kunitz and NTR domain−containing protein 2

WFKN2 (Uniprot: Q8TEU8, ProbeID: 3235−50_2)



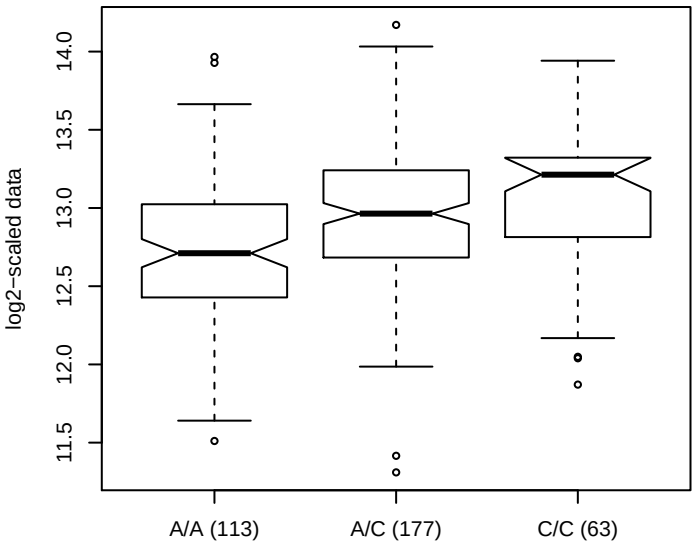
rs4533326 (Chr17:48909608)
Locus 94 top sentinel (tags KORA rs3803884), p=7.4e−13

WFKN2 (Uniprot: Q8TEU8, ProbeID: 3235−50_2)



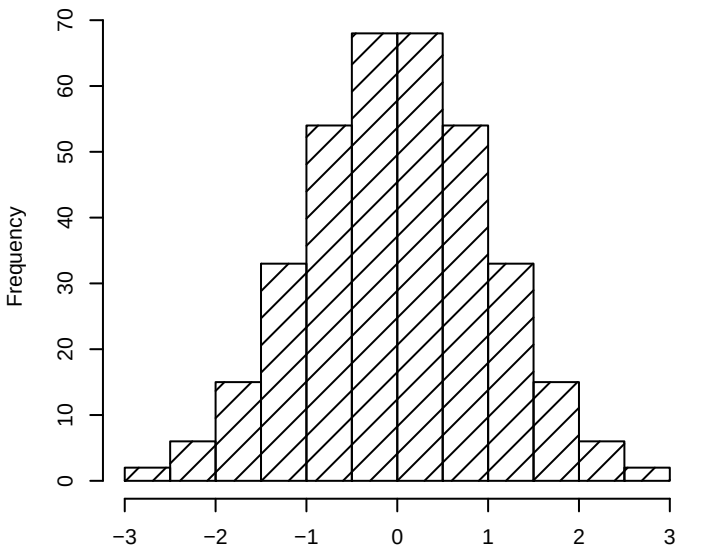
WAP, Kazal, immunoglobulin, Kunitz and NTR domain−containing protein 2

WFKN2 (Uniprot: Q8TEU8, ProbeID: 3235−50_2)



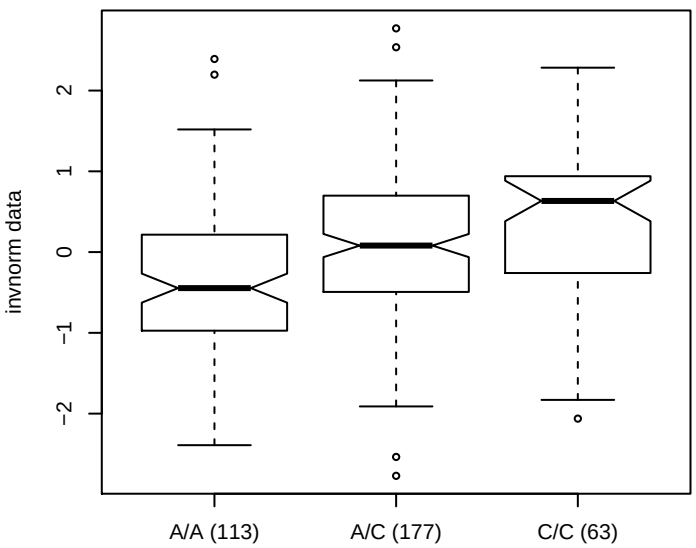
rs4533326 (Chr17:48909608)
Locus 94 top sentinel (tags KORA rs3803884), p=4.4e−14, FC=1.1553

WFKN2 (Uniprot: Q8TEU8, ProbeID: 3235−50_2)

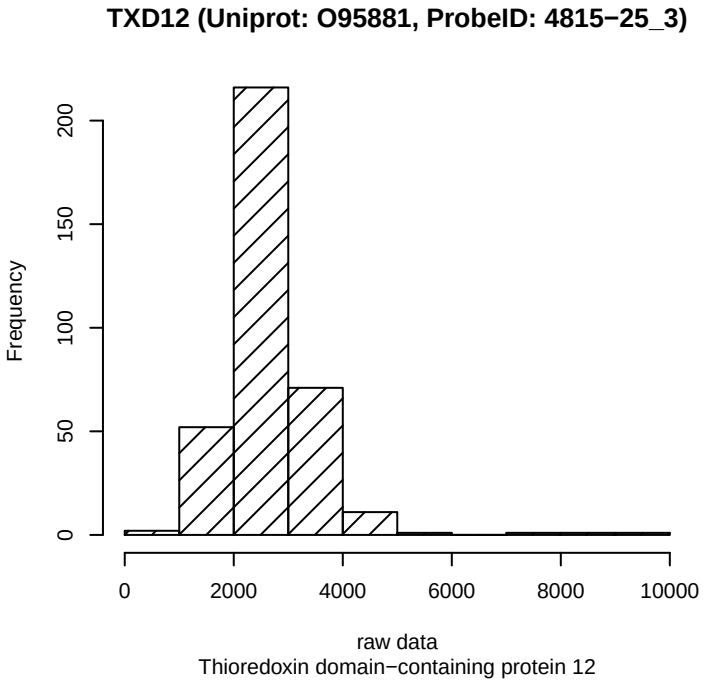


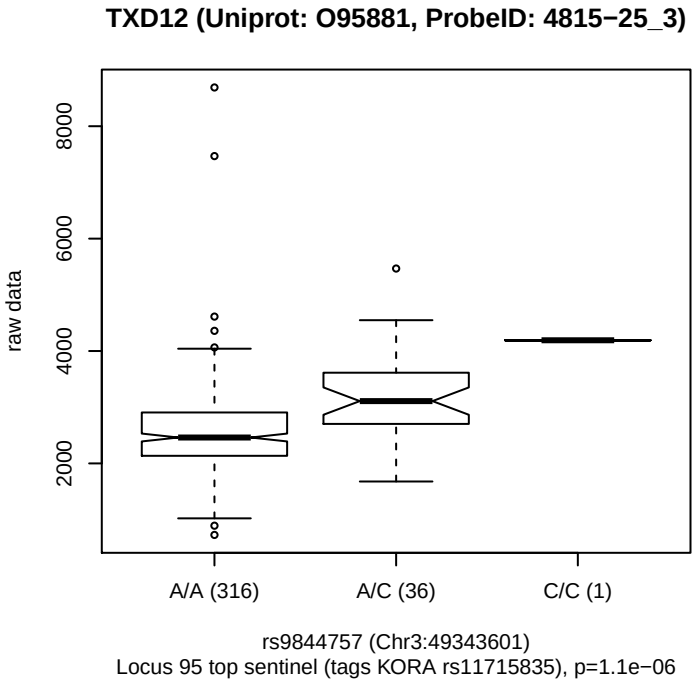
WAP, Kazal, immunoglobulin, Kunitz and NTR domain−containing protein 2

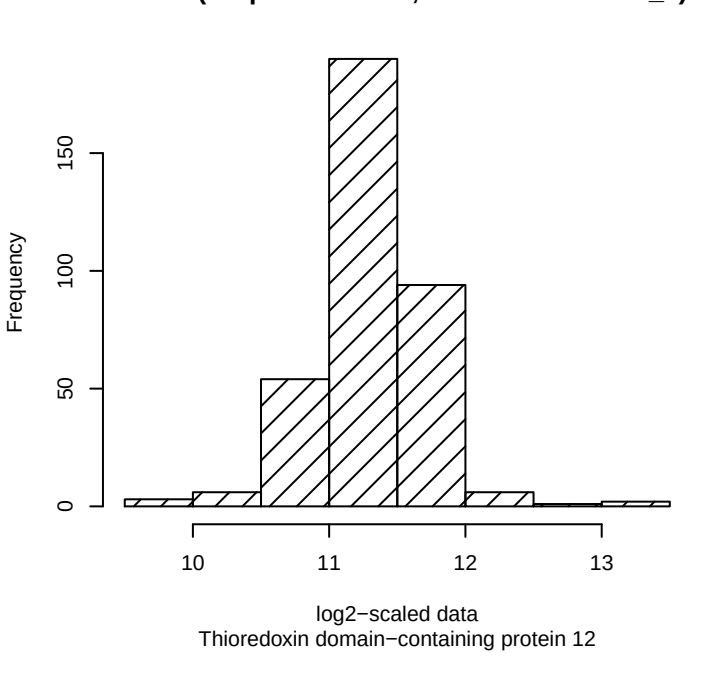
WFKN2 (Uniprot: Q8TEU8, ProbeID: 3235−50_2)

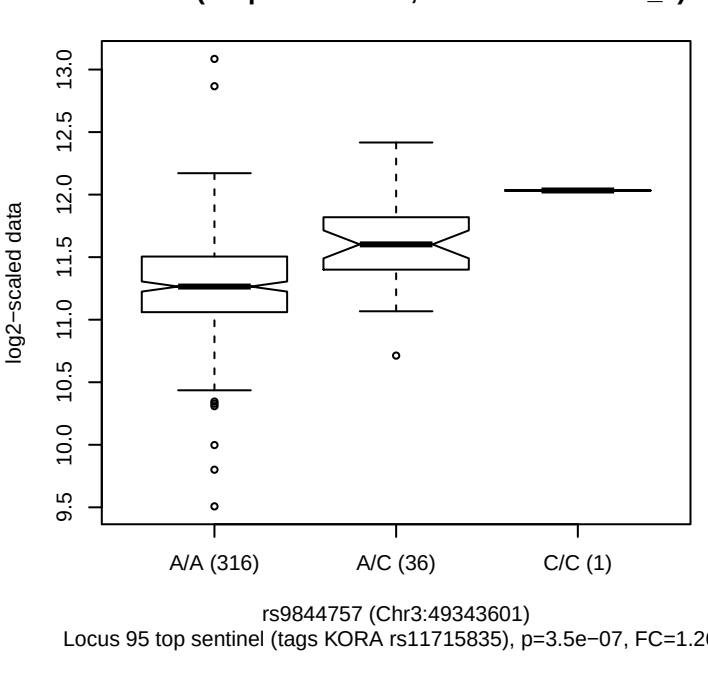


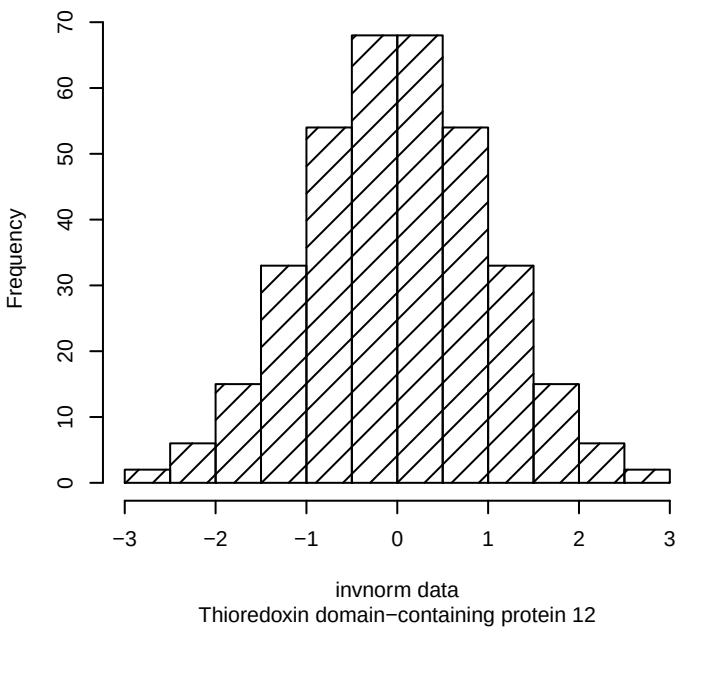
rs4533326 (Chr17:48909608)
Locus 94 top sentinel (tags KORA rs3803884), p=1.2e−13

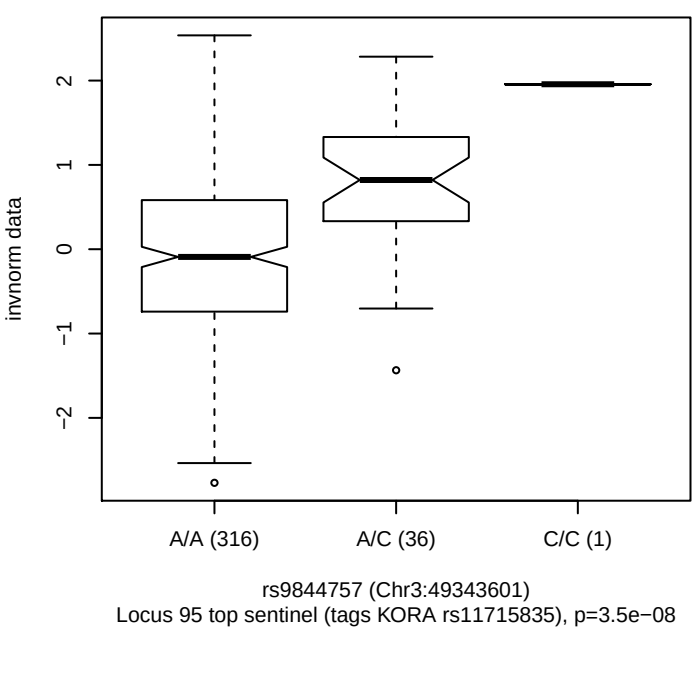

TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
Frequency
0
50
100
150
200
0
2000
4000
6000
8000
10000
raw data
Thioredoxin domain−containing protein 12


TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
raw data
2000
4000
6000
8000
A/A (316)
A/C (36)
C/C (1)
rs9844757 (Chr3:49343601)
Locus 95 top sentinel (tags KORA rs11715835), p=1.1e−06

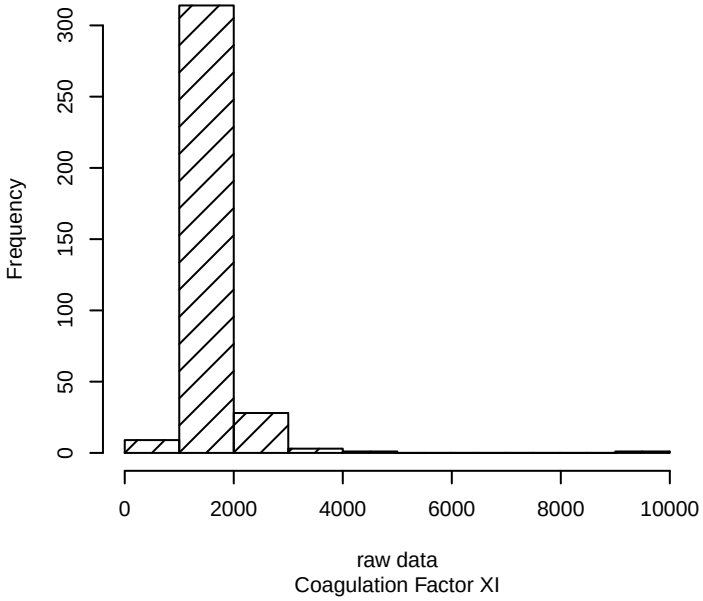

TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
Frequency
0
50
100
150
10
11
12
13
log2−scaled data
Thioredoxin domain−containing protein 12


TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
log2−scaled data
9.5
10.0
10.5
11.0
11.5
12.0
12.5
13.0
A/A (316)
A/C (36)
C/C (1)
rs9844757 (Chr3:49343601)
Locus 95 top sentinel (tags KORA rs11715835), p=3.5e−07, FC=1.262

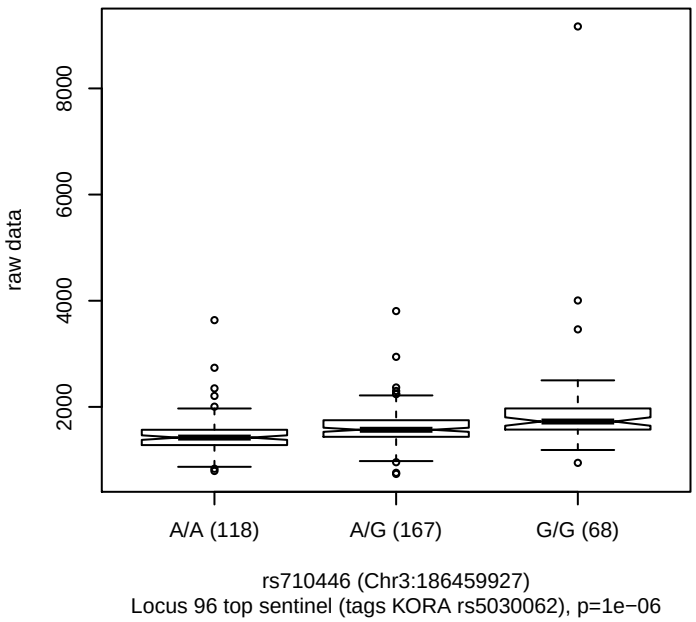

TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Thioredoxin domain−containing protein 12


TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
invnorm data
−2
−1
0
1
2
A/A (316)
A/C (36)
C/C (1)
rs9844757 (Chr3:49343601)
Locus 95 top sentinel (tags KORA rs11715835), p=3.5e−08

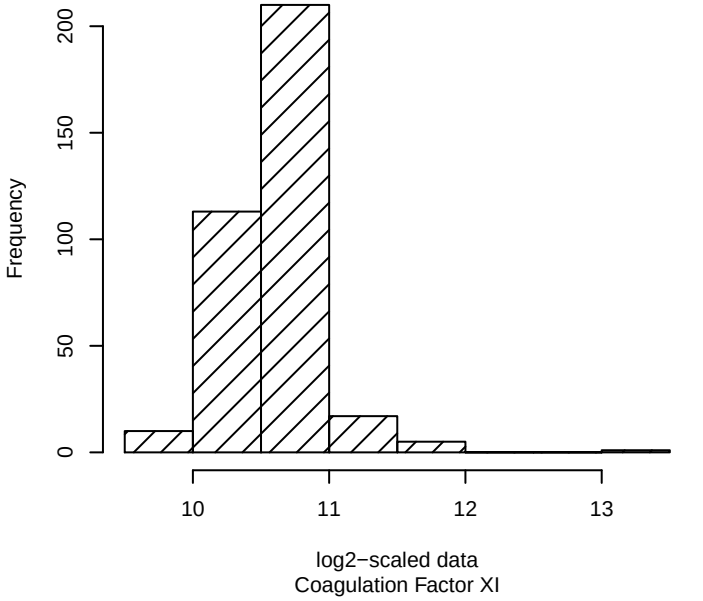
Coagulation Factor XI (Uniprot: P03951, ProbeID: 2190−55



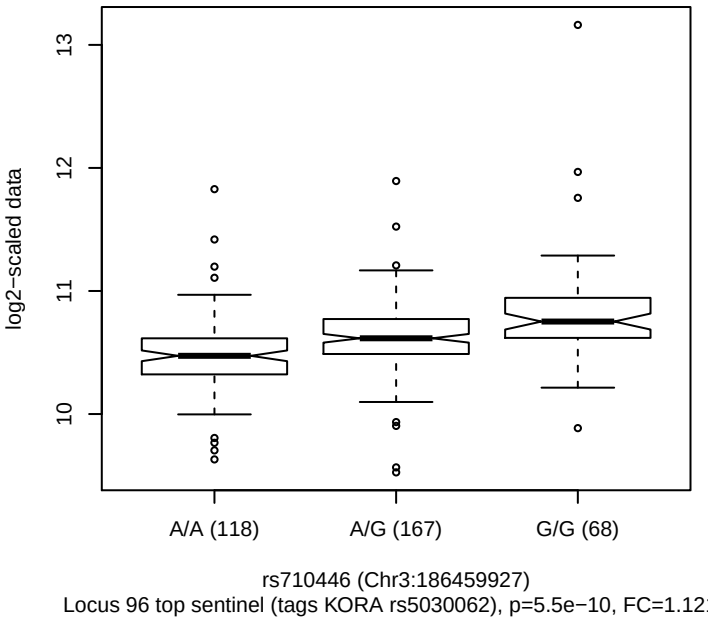
Coagulation Factor XI (Uniprot: P03951, ProbeID: 2190−55



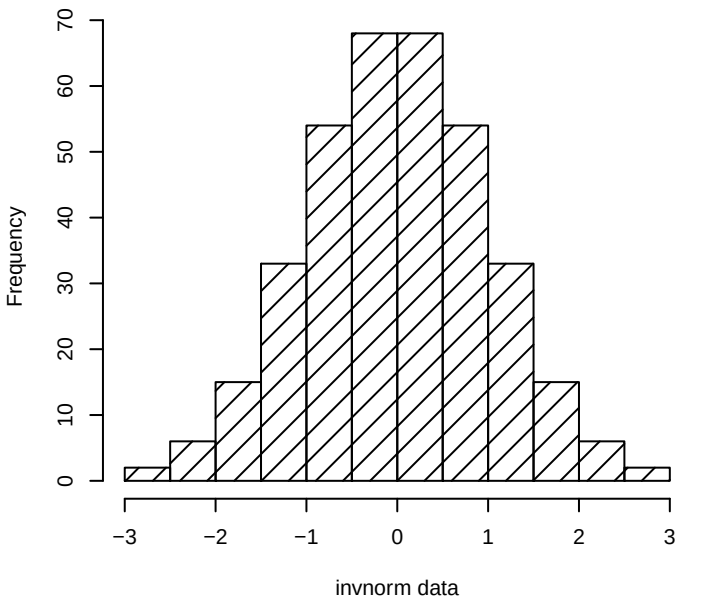
Coagulation Factor XI (Uniprot: P03951, ProbeID: 2190−55



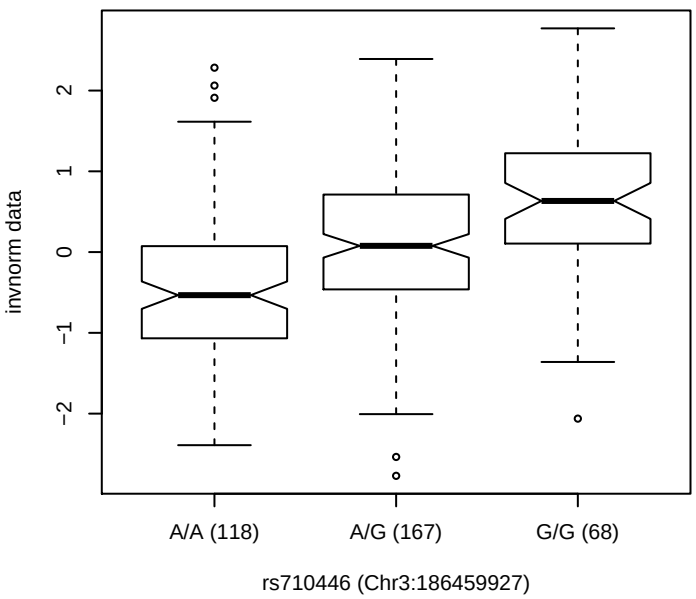
Coagulation Factor XI (Uniprot: P03951, ProbeID: 2190−55



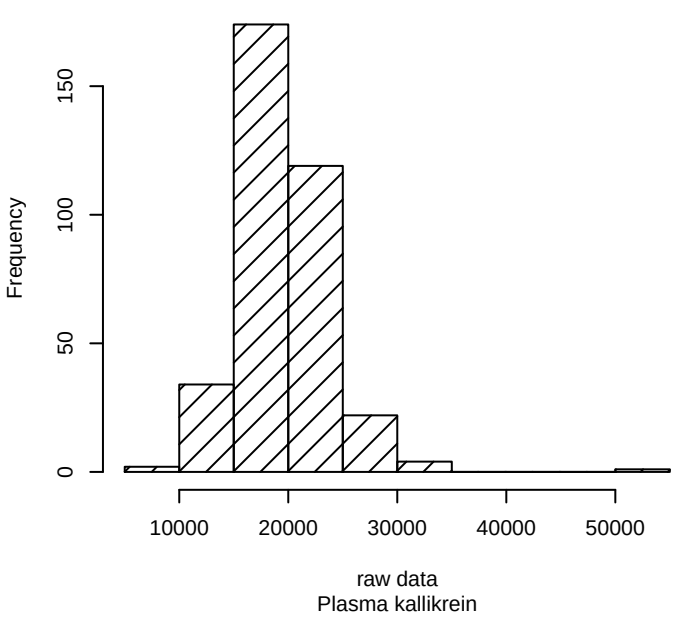
Coagulation Factor XI (Uniprot: P03951, ProbeID: 2190−55



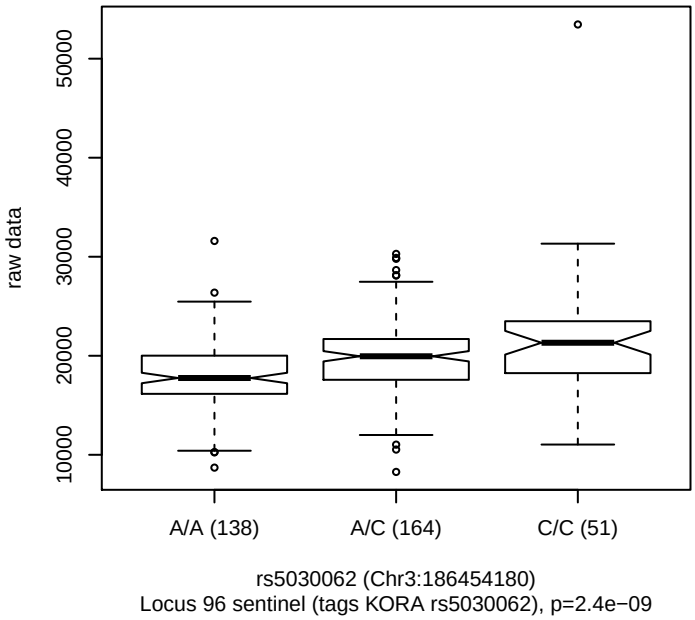
Coagulation Factor XI (Uniprot: P03951, ProbeID: 2190−55



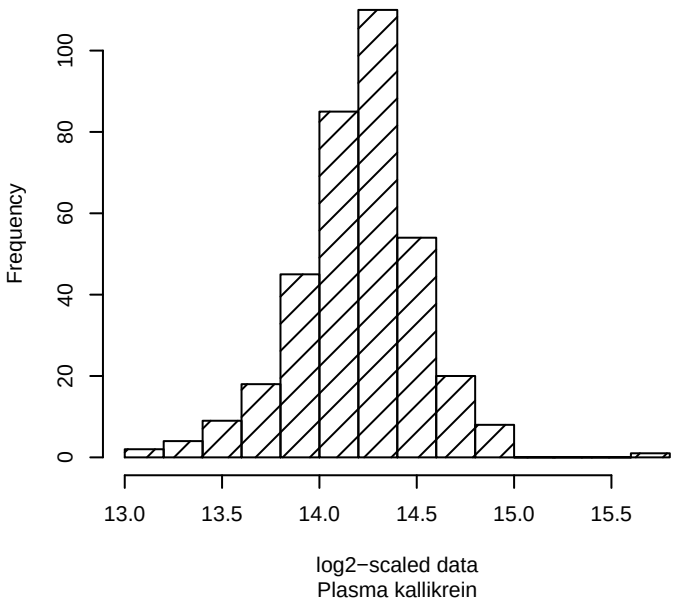
Prekallikrein (Uniprot: P03952, ProbeID: 4152−58_2)



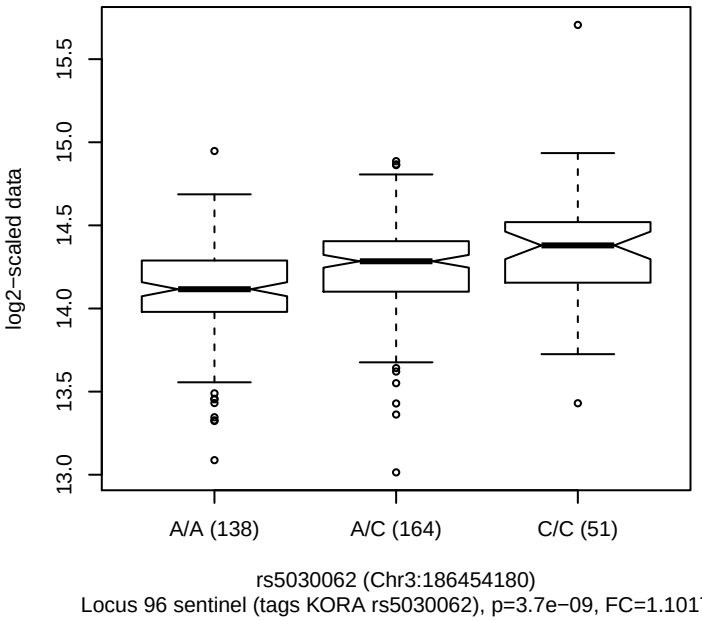
Prekallikrein (Uniprot: P03952, ProbeID: 4152−58_2)



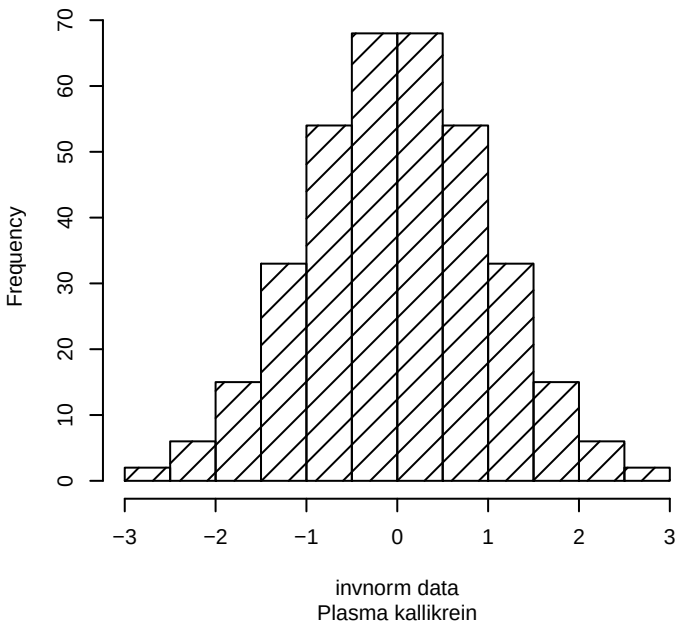
Prekallikrein (Uniprot: P03952, ProbeID: 4152−58_2)



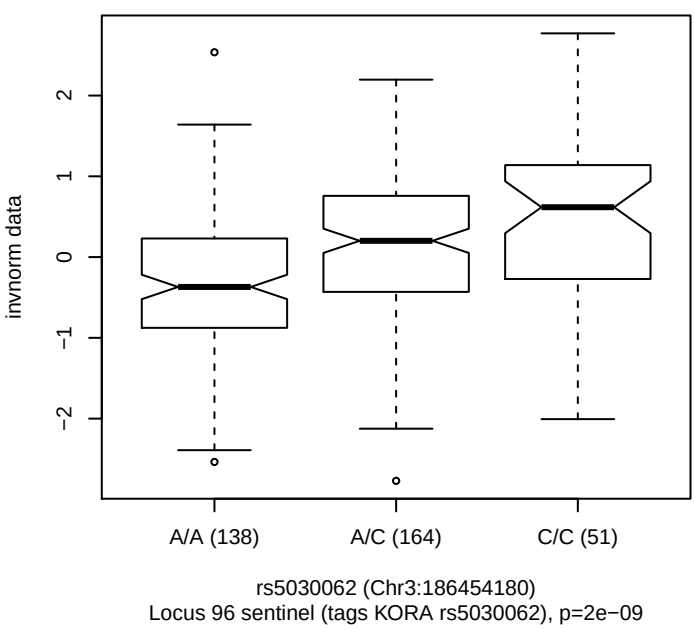
Prekallikrein (Uniprot: P03952, ProbeID: 4152−58_2)

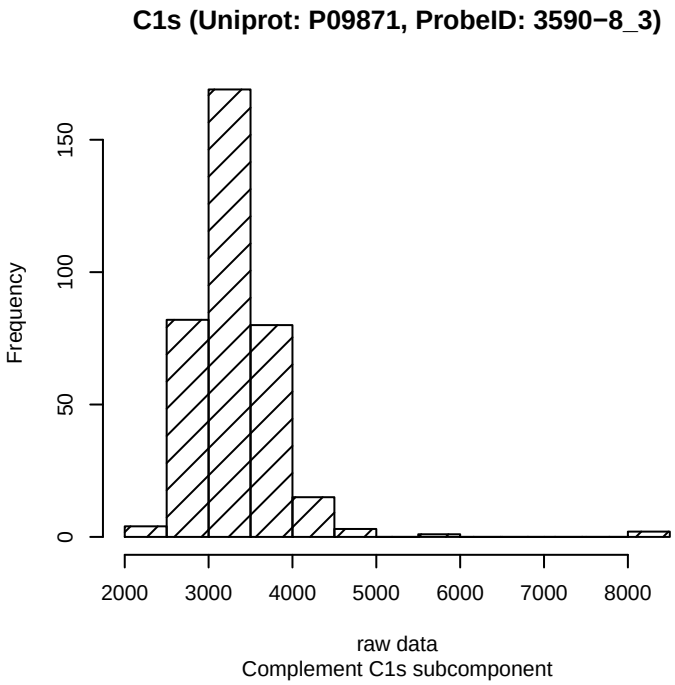


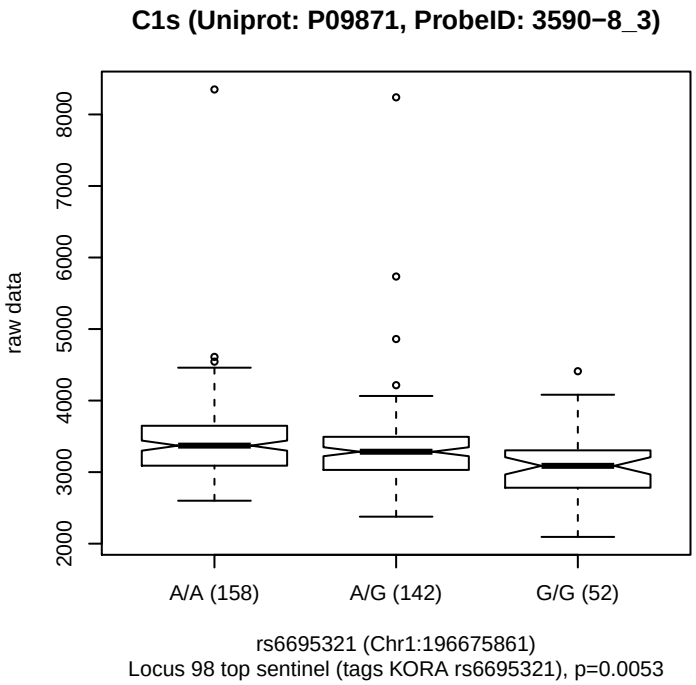
Prekallikrein (Uniprot: P03952, ProbeID: 4152−58_2)

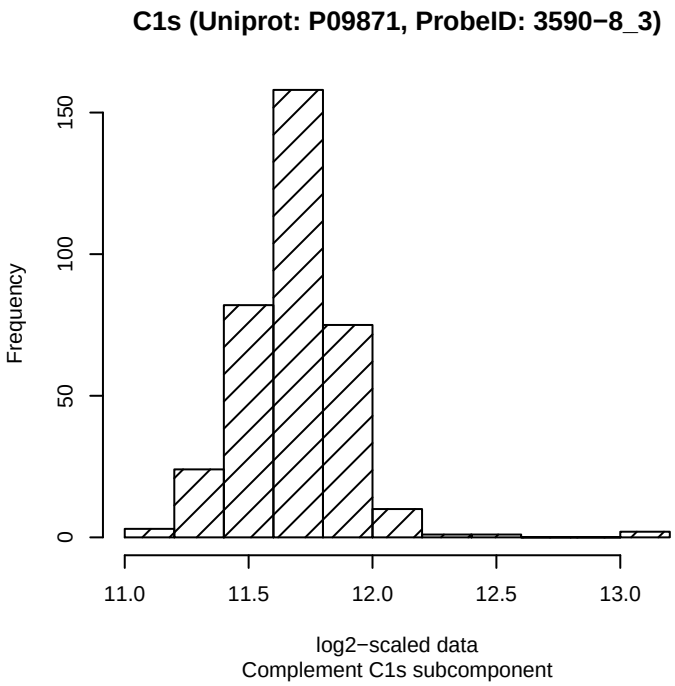


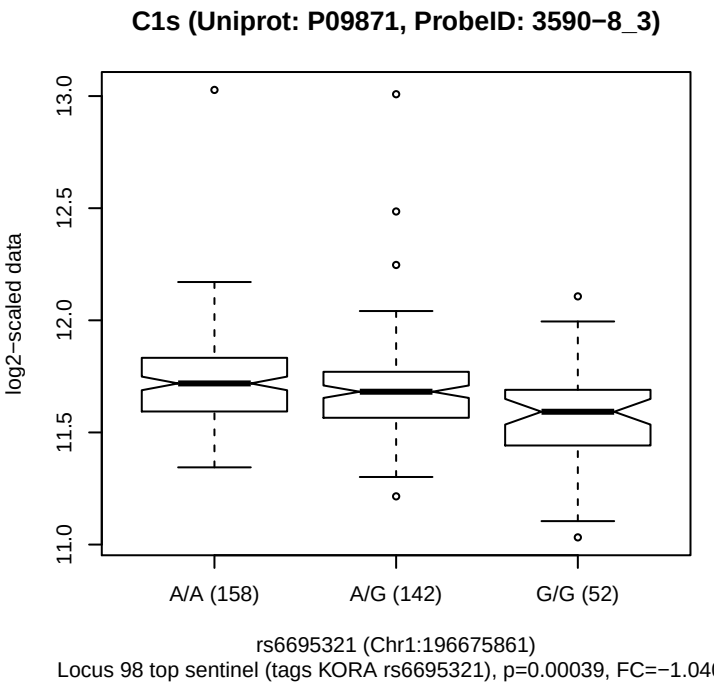
Prekallikrein (Uniprot: P03952, ProbeID: 4152−58_2)

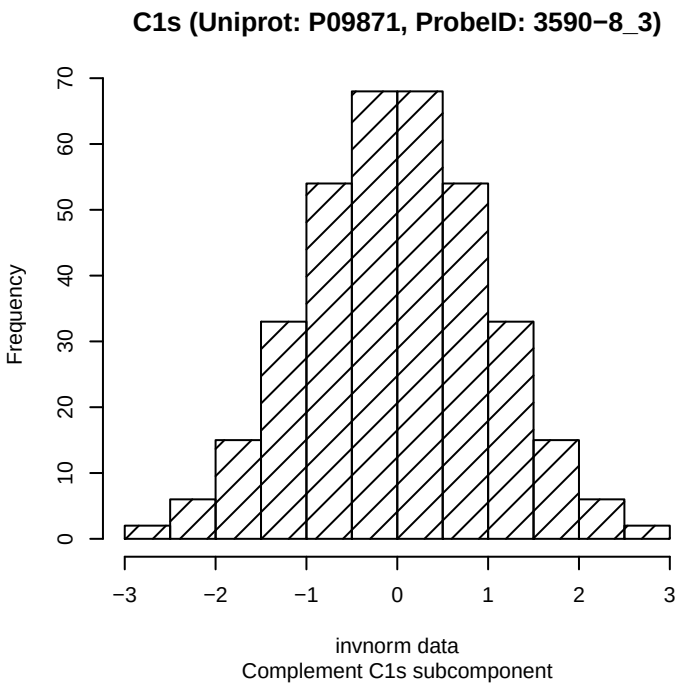


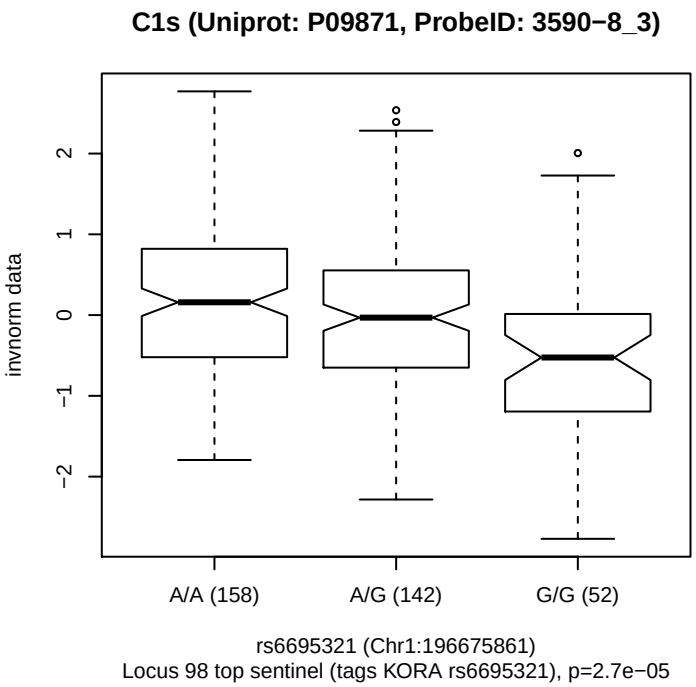

C1s (Uniprot: P09871, ProbeID: 3590−8_3)
Frequency
0
50
100
150
2000
3000
4000
5000
6000
7000
8000
raw data
Complement C1s subcomponent

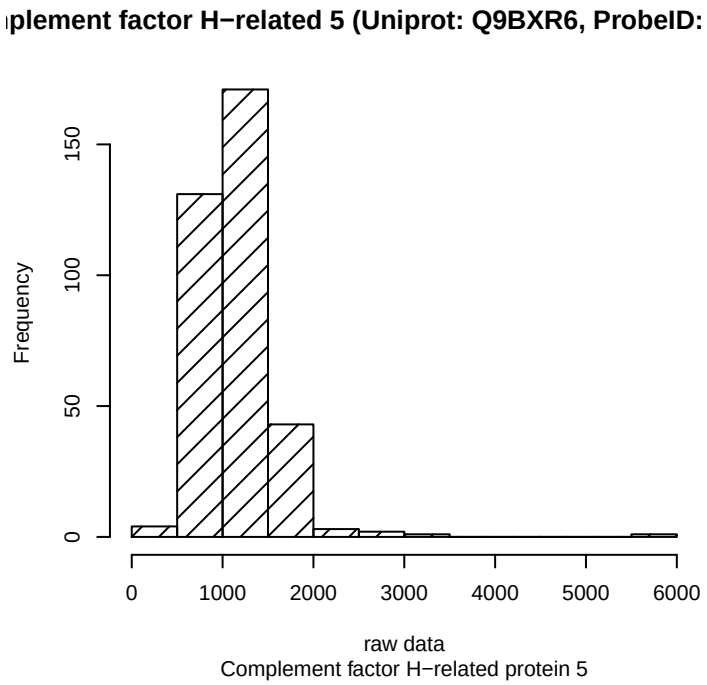

C1s (Uniprot: P09871, ProbeID: 3590−8_3)
raw data
2000
3000
4000
5000
6000
7000
8000
A/A (158)
A/G (142)
G/G (52)
rs6695321 (Chr1:196675861)
Locus 98 top sentinel (tags KORA rs6695321), p=0.0053

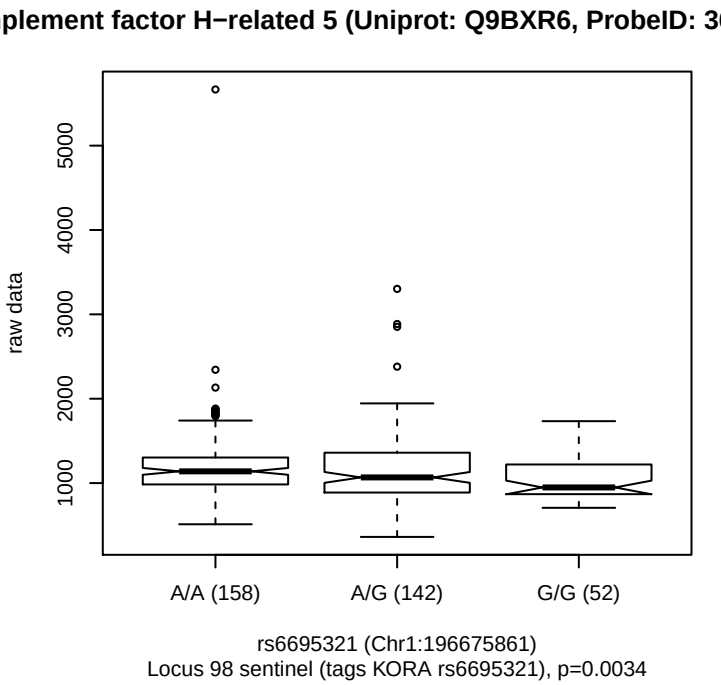

C1s (Uniprot: P09871, ProbeID: 3590−8_3)
Frequency
0
50
100
150
11.0
11.5
12.0
12.5
13.0
log2−scaled data
Complement C1s subcomponent

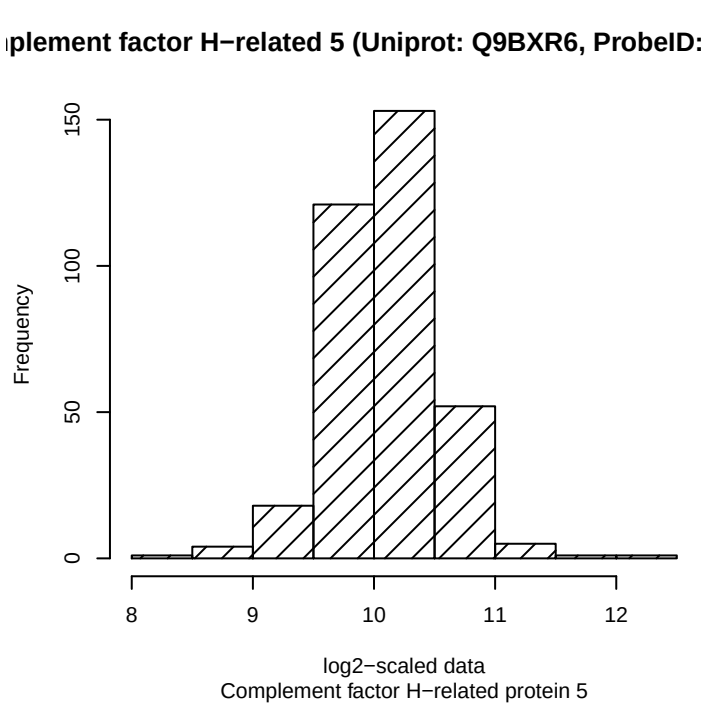

C1s (Uniprot: P09871, ProbeID: 3590−8_3)
log2−scaled data
11.0
11.5
12.0
12.5
13.0
A/A (158)
A/G (142)
G/G (52)
rs6695321 (Chr1:196675861)
Locus 98 top sentinel (tags KORA rs6695321), p=0.00039, FC=−1.0401

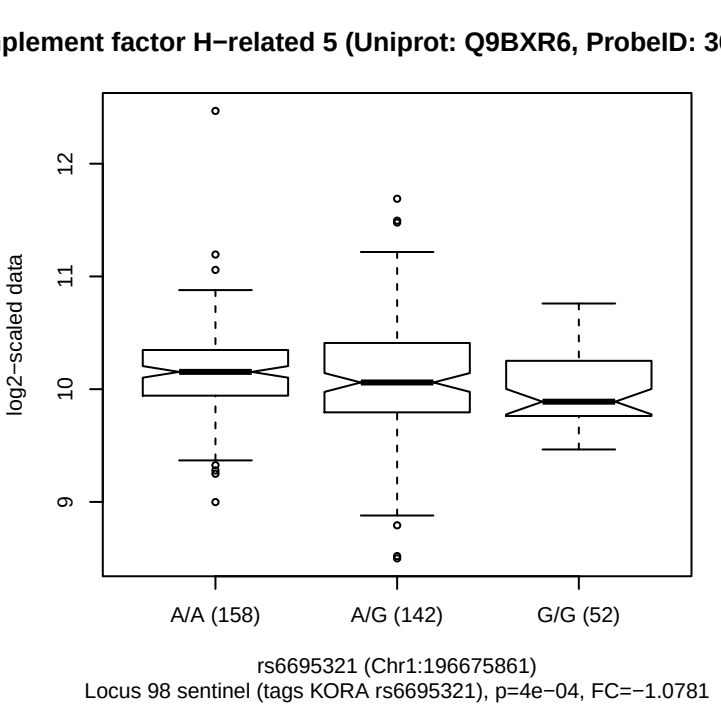

C1s (Uniprot: P09871, ProbeID: 3590−8_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Complement C1s subcomponent

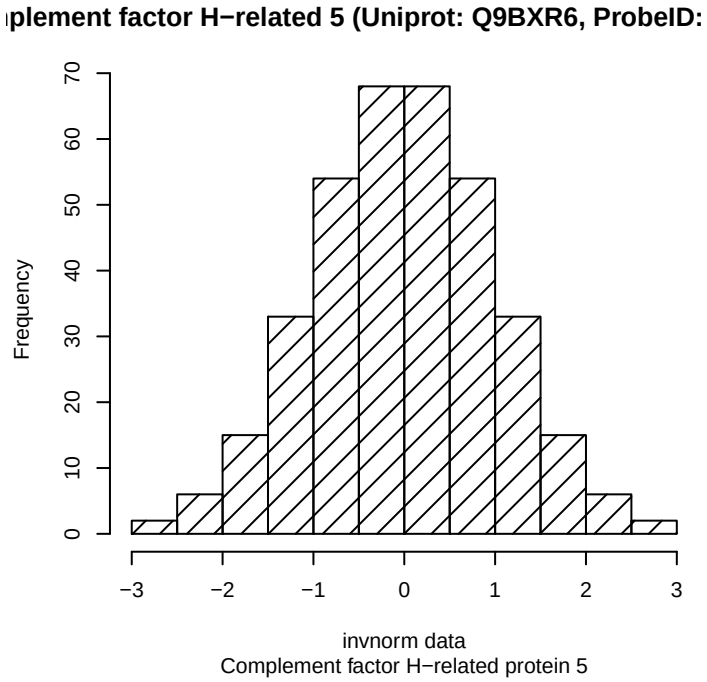

C1s (Uniprot: P09871, ProbeID: 3590−8_3)
invnorm data
−2
−1
0
1
2
A/A (158)
A/G (142)
G/G (52)
rs6695321 (Chr1:196675861)
Locus 98 top sentinel (tags KORA rs6695321), p=2.7e−05

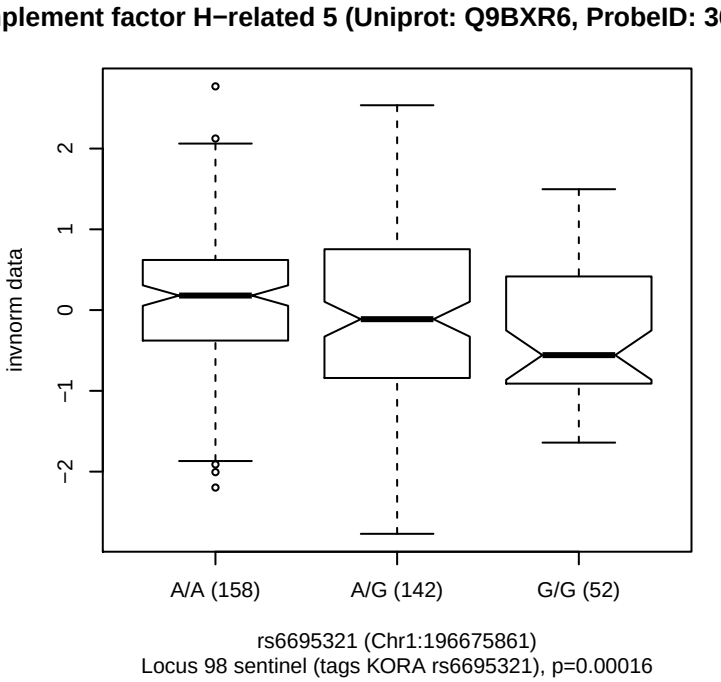

plement factor H−related 5 (Uniprot: Q9BXR6, ProbeID: 366
Frequency
0
50
100
150
0
1000
2000
3000
4000
5000
6000
raw data
Complement factor H−related protein 5

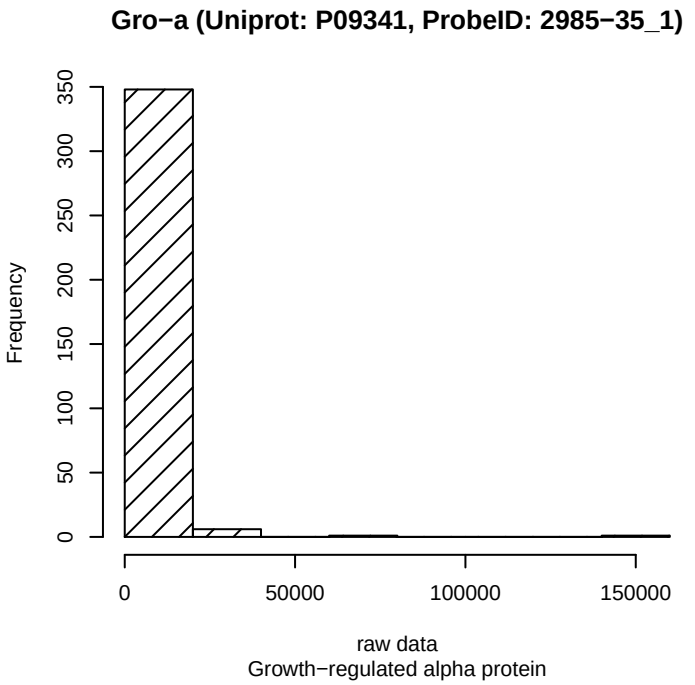

plement factor H−related 5 (Uniprot: Q9BXR6, ProbeID: 366
raw data
1000
2000
3000
4000
5000
A/A (158)
A/G (142)
G/G (52)
rs6695321 (Chr1:196675861)
Locus 98 sentinel (tags KORA rs6695321), p=0.0034

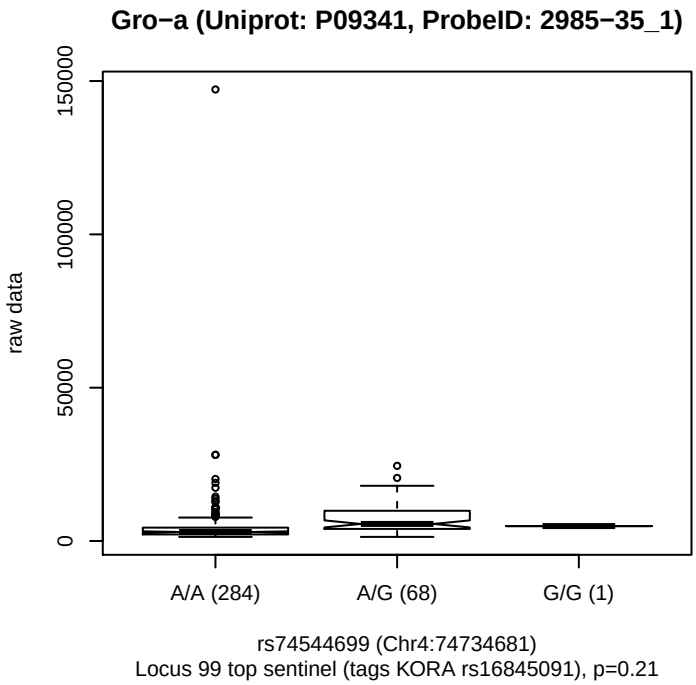

plement factor H−related 5 (Uniprot: Q9BXR6, ProbeID: 366
Frequency
0
50
100
150
8
9
10
11
12
log2−scaled data
Complement factor H−related protein 5

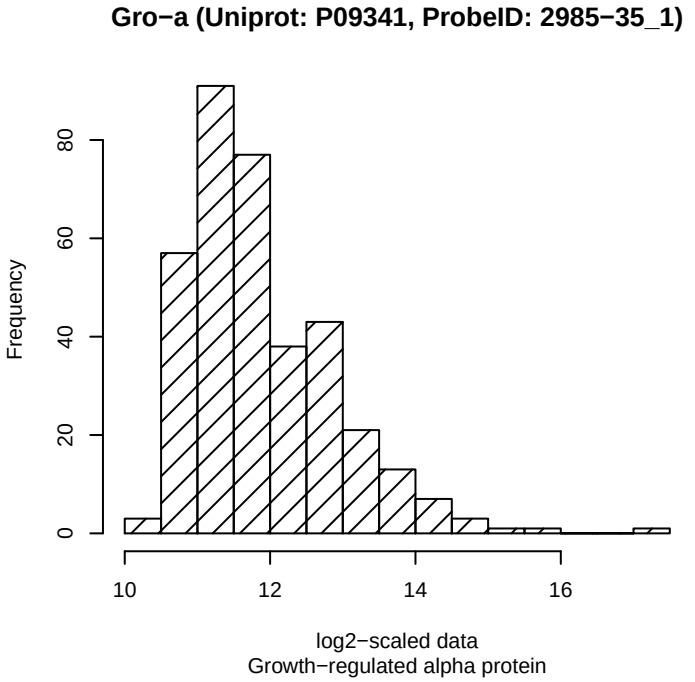

plement factor H−related 5 (Uniprot: Q9BXR6, ProbeID: 366
log2−scaled data
9
10
11
12
A/A (158)
A/G (142)
G/G (52)
rs6695321 (Chr1:196675861)
Locus 98 sentinel (tags KORA rs6695321), p=4e−04, FC=−1.0781

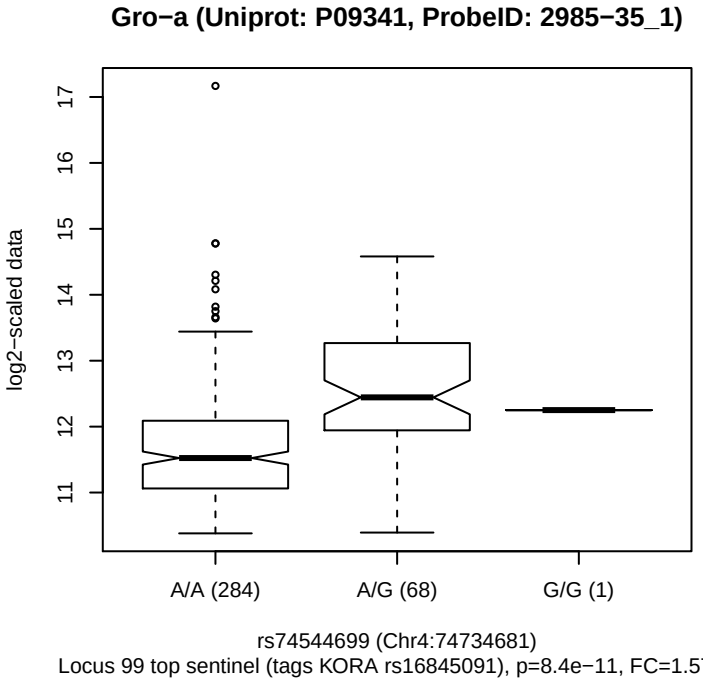

plement factor H−related 5 (Uniprot: Q9BXR6, ProbeID: 366
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Complement factor H−related protein 5

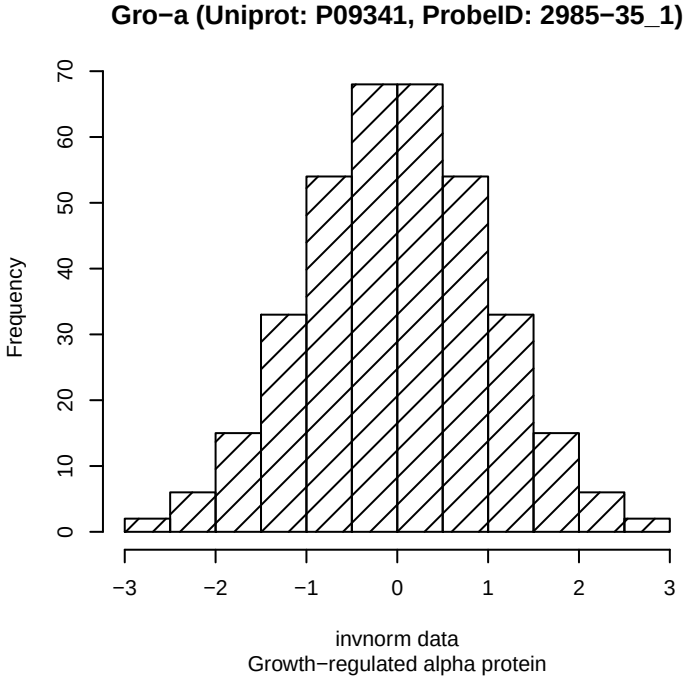

plement factor H−related 5 (Uniprot: Q9BXR6, ProbeID: 366
invnorm data
−2
−1
0
1
2
A/A (158)
A/G (142)
G/G (52)
rs6695321 (Chr1:196675861)
Locus 98 sentinel (tags KORA rs6695321), p=0.00016

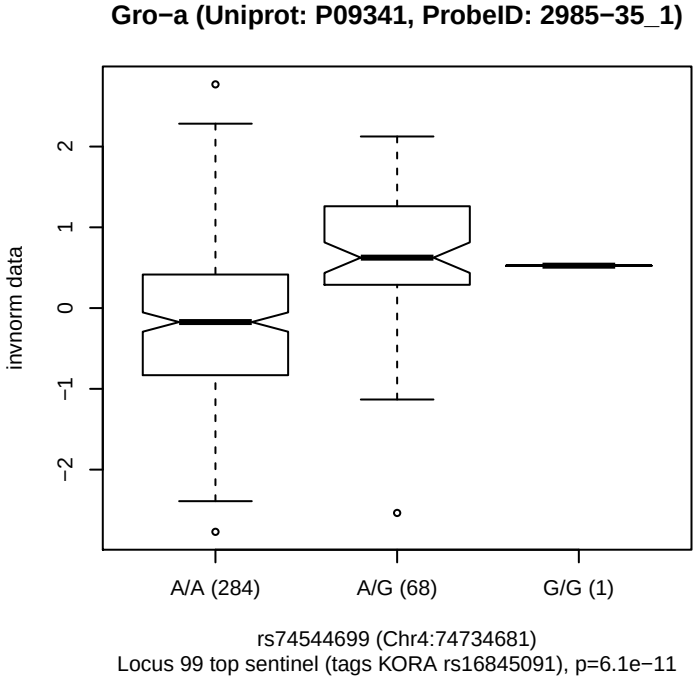

Gro−a (Uniprot: P09341, ProbeID: 2985−35_1)
Frequency
0
50
100
150
200
250
300
350
0
50000
100000
150000
raw data
Growth−regulated alpha protein


Gro−a (Uniprot: P09341, ProbeID: 2985−35_1)
raw data
0
50000
100000
150000
A/A (284)
A/G (68)
G/G (1)
rs74544699 (Chr4:74734681)
Locus 99 top sentinel (tags KORA rs16845091), p=0.21

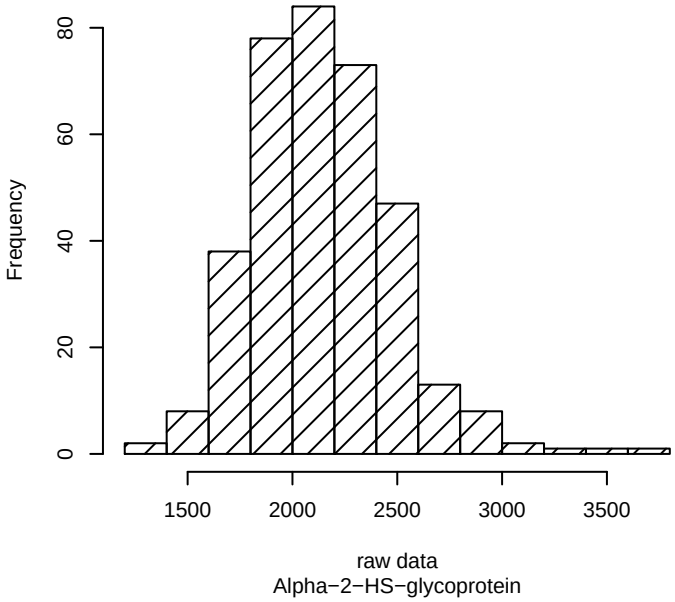

Gro−a (Uniprot: P09341, ProbeID: 2985−35_1)
Frequency
0
20
40
60
80
10
12
14
16
log2−scaled data
Growth−regulated alpha protein


Gro−a (Uniprot: P09341, ProbeID: 2985−35_1)
log2−scaled data
11
12
13
14
15
16
17
A/A (284)
A/G (68)
G/G (1)
rs74544699 (Chr4:74734681)
Locus 99 top sentinel (tags KORA rs16845091), p=8.4e−11, FC=1.5789

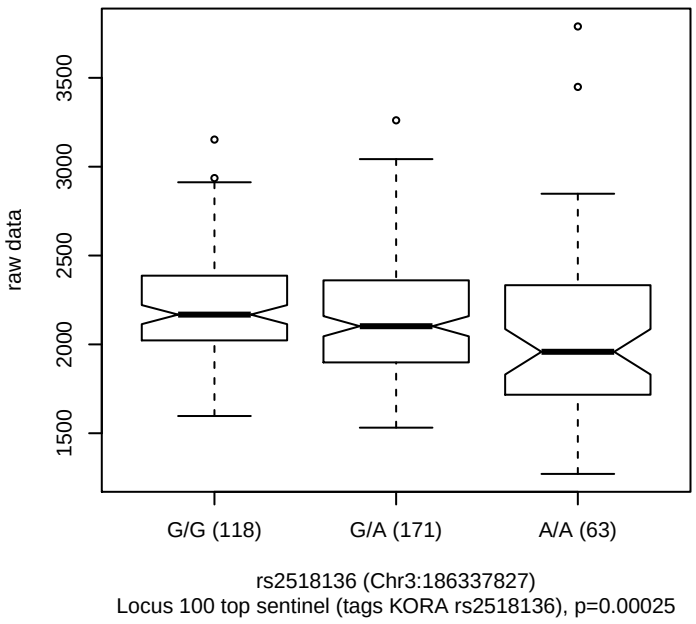

Gro−a (Uniprot: P09341, ProbeID: 2985−35_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Growth−regulated alpha protein


Gro−a (Uniprot: P09341, ProbeID: 2985−35_1)
invnorm data
−2
−1
0
1
2
A/A (284)
A/G (68)
G/G (1)
rs74544699 (Chr4:74734681)
Locus 99 top sentinel (tags KORA rs16845091), p=6.1e−11

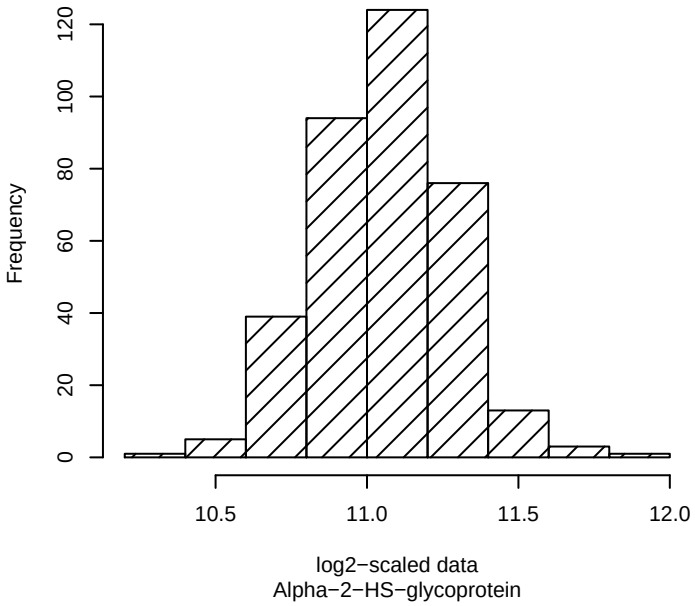
a2−HS−Glycoprotein (Uniprot: P02765, ProbeID: 3581−53_



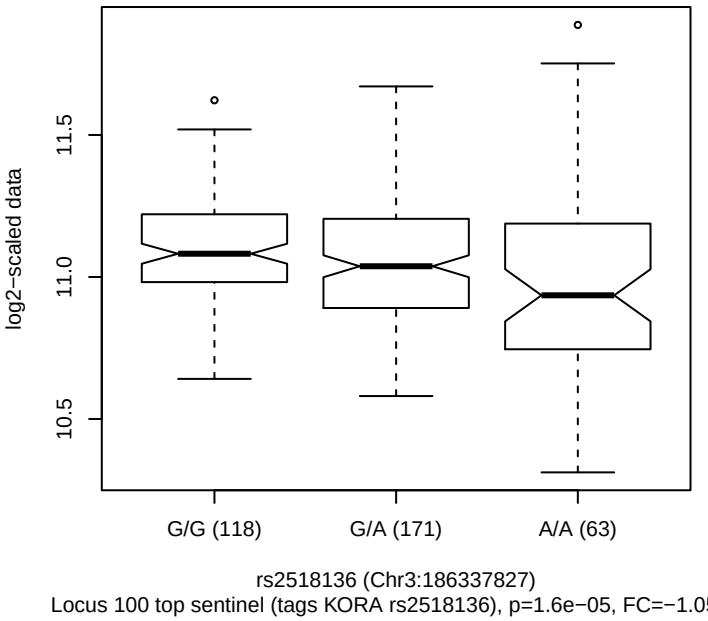
a2−HS−Glycoprotein (Uniprot: P02765, ProbeID: 3581−53_



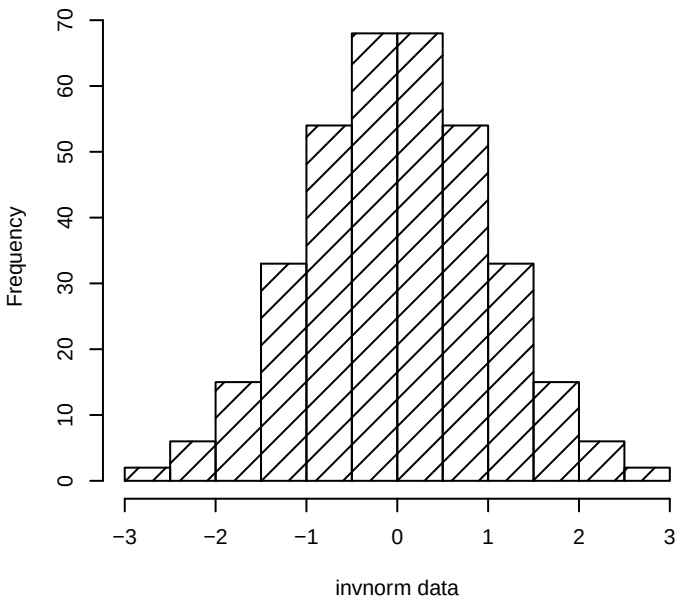
a2−HS−Glycoprotein (Uniprot: P02765, ProbeID: 3581−53_



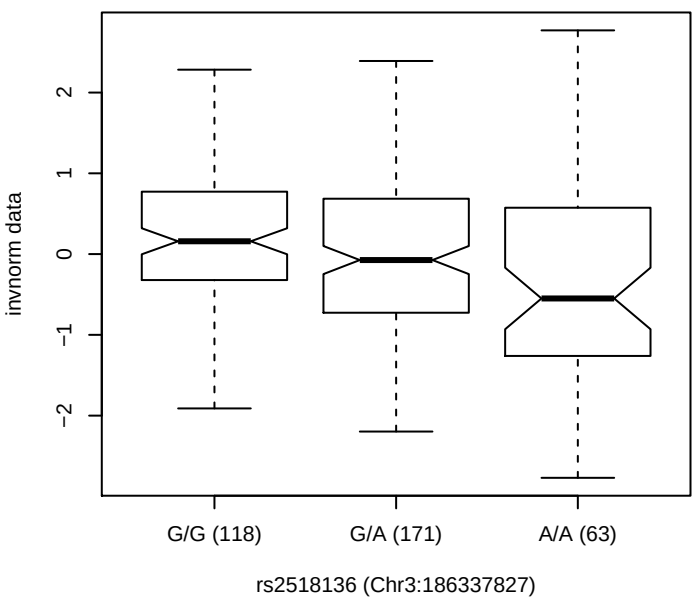
a2−HS−Glycoprotein (Uniprot: P02765, ProbeID: 3581−53_

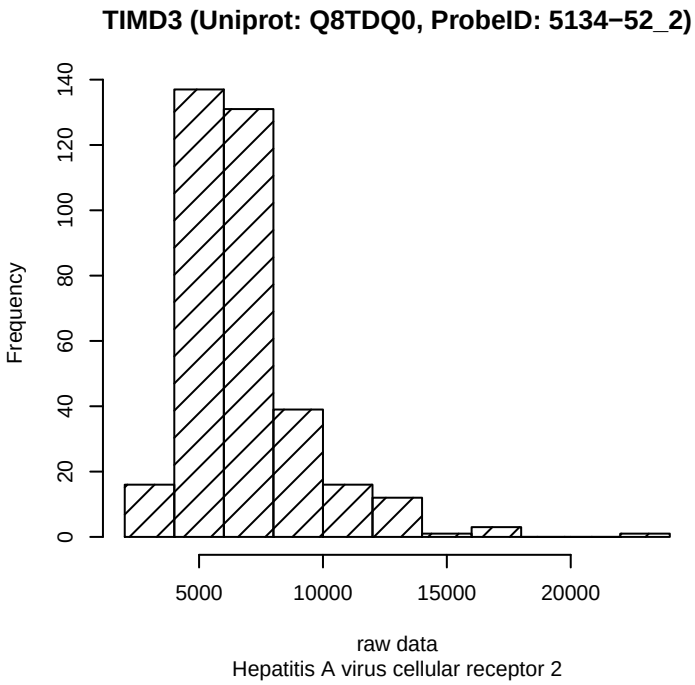


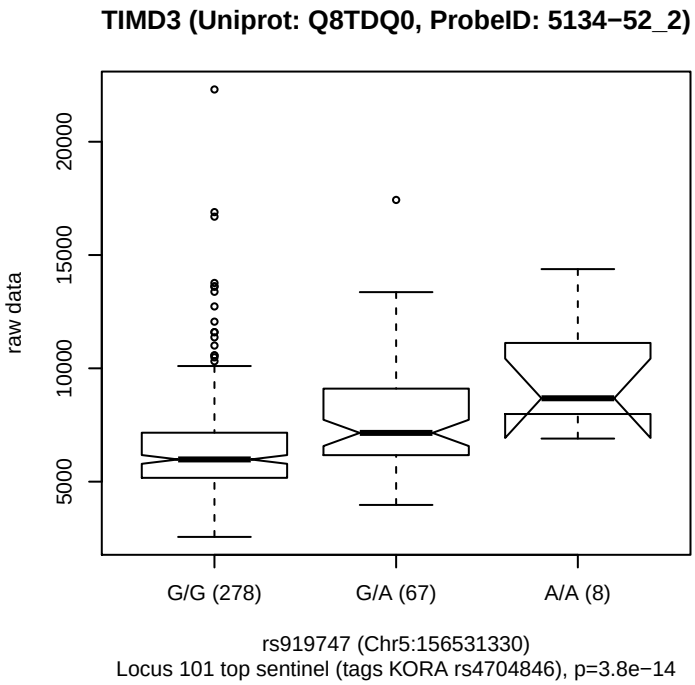
a2−HS−Glycoprotein (Uniprot: P02765, ProbeID: 3581−53_

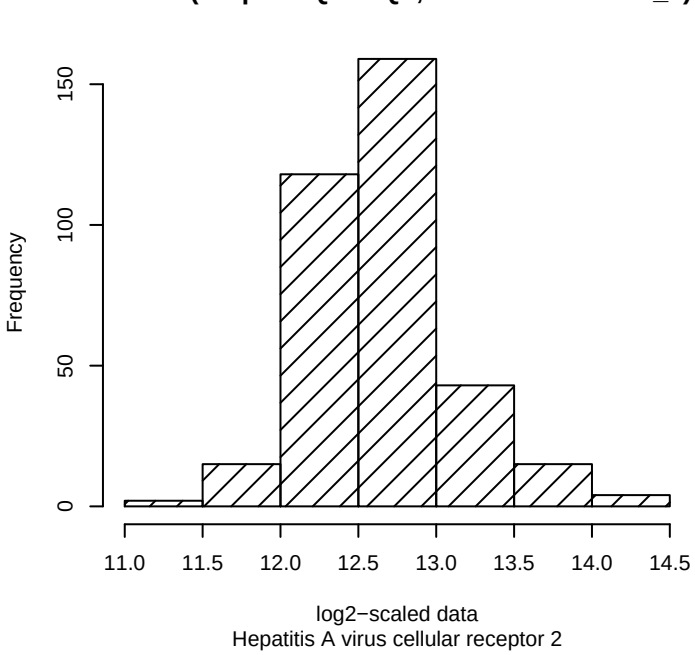


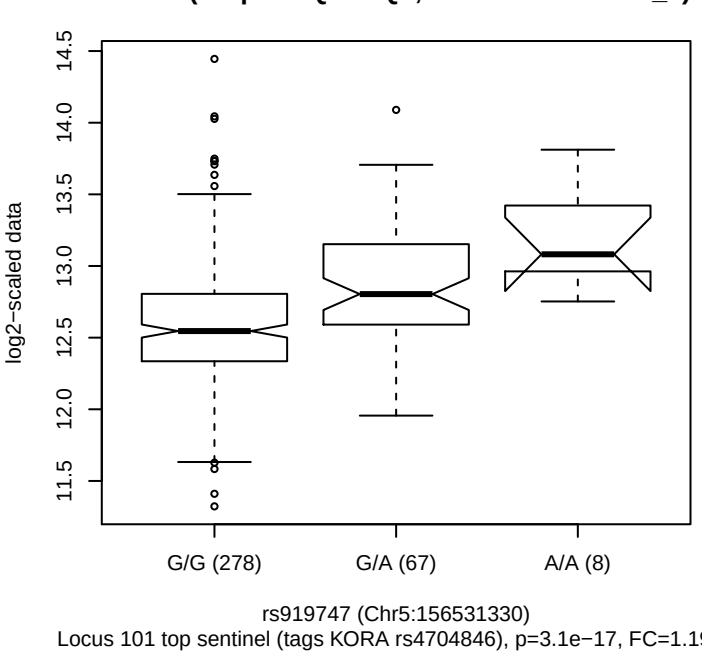
a2−HS−Glycoprotein (Uniprot: P02765, ProbeID: 3581−53_

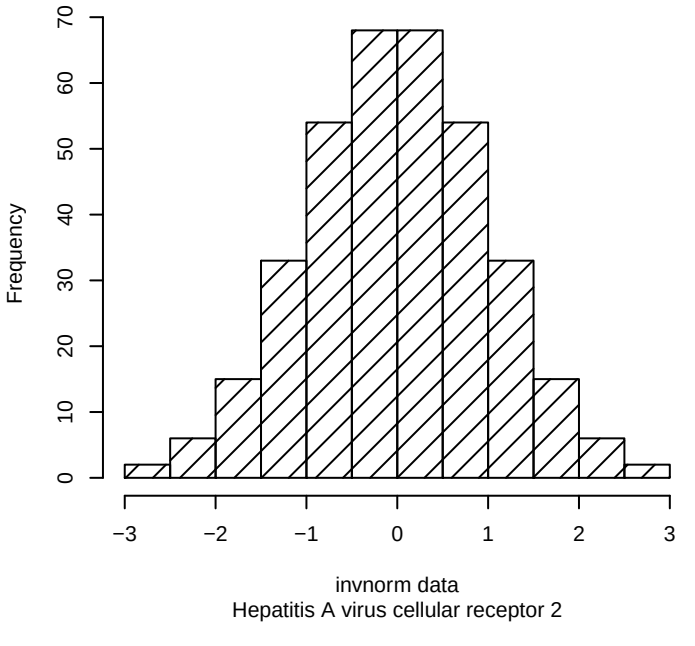


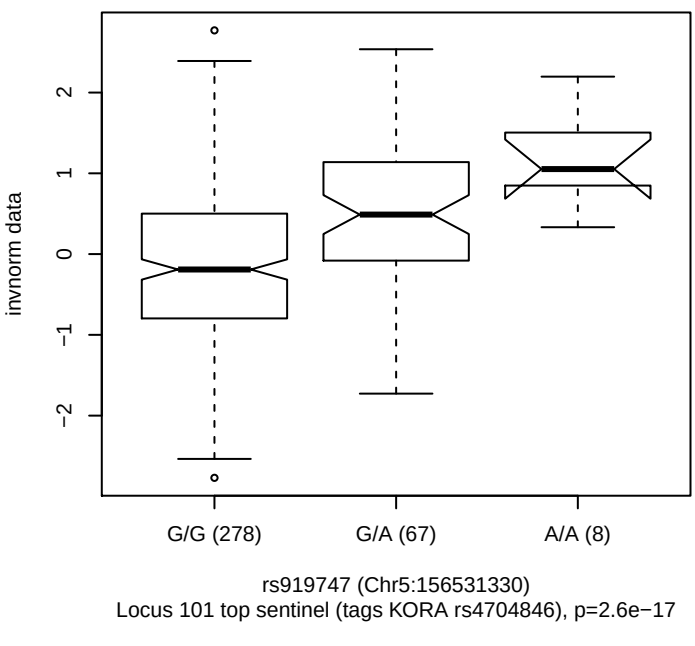

TIMD3 (Uniprot: Q8TDQ0, ProbeID: 5134−52_2)
Frequency
0
20
40
60
80
100
120
140
5000
10000
15000
20000
raw data
Hepatitis A virus cellular receptor 2

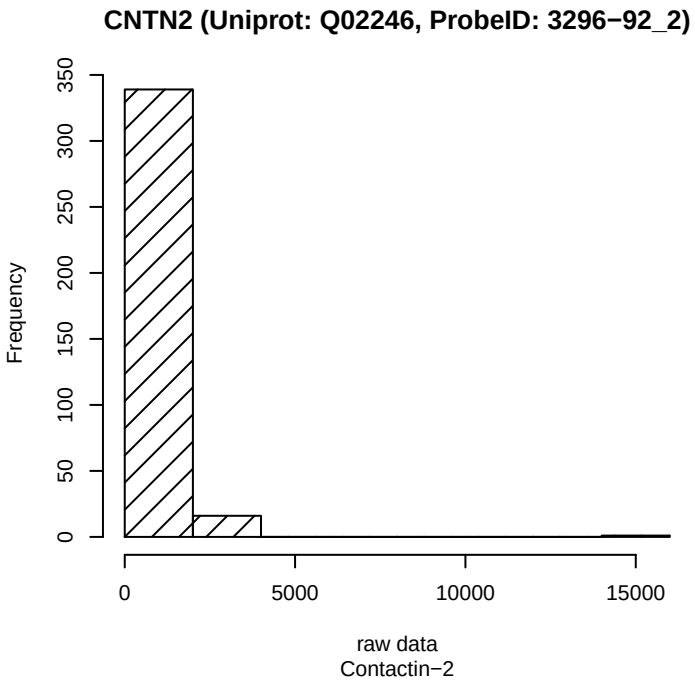

TIMD3 (Uniprot: Q8TDQ0, ProbeID: 5134−52_2)
raw data
5000
10000
15000
20000
G/G (278)
G/A (67)
A/A (8)
rs919747 (Chr5:156531330)
Locus 101 top sentinel (tags KORA rs4704846), p=3.8e−14

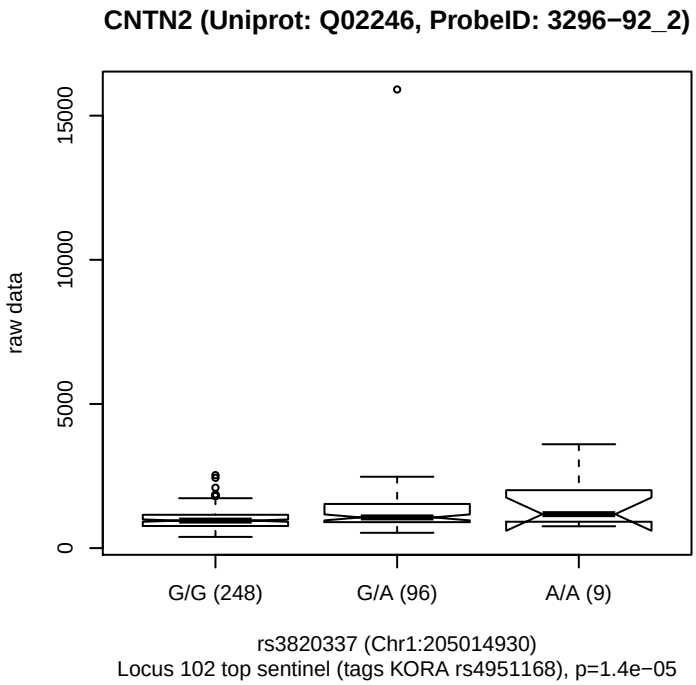

TIMD3 (Uniprot: Q8TDQ0, ProbeID: 5134−52_2)
Frequency
0
50
100
150
11.0
11.5
12.0
12.5
13.0
13.5
14.0
14.5
log2−scaled data
Hepatitis A virus cellular receptor 2

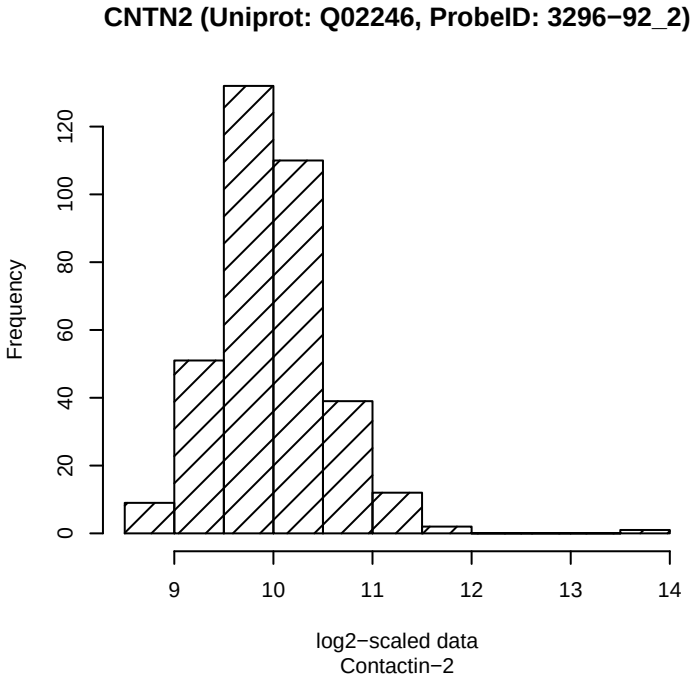

TIMD3 (Uniprot: Q8TDQ0, ProbeID: 5134−52_2)
log2−scaled data
11.5
12.0
12.5
13.0
13.5
14.0
14.5
G/G (278)
G/A (67)
A/A (8)
rs919747 (Chr5:156531330)
Locus 101 top sentinel (tags KORA rs4704846), p=3.1e−17, FC=1.1951

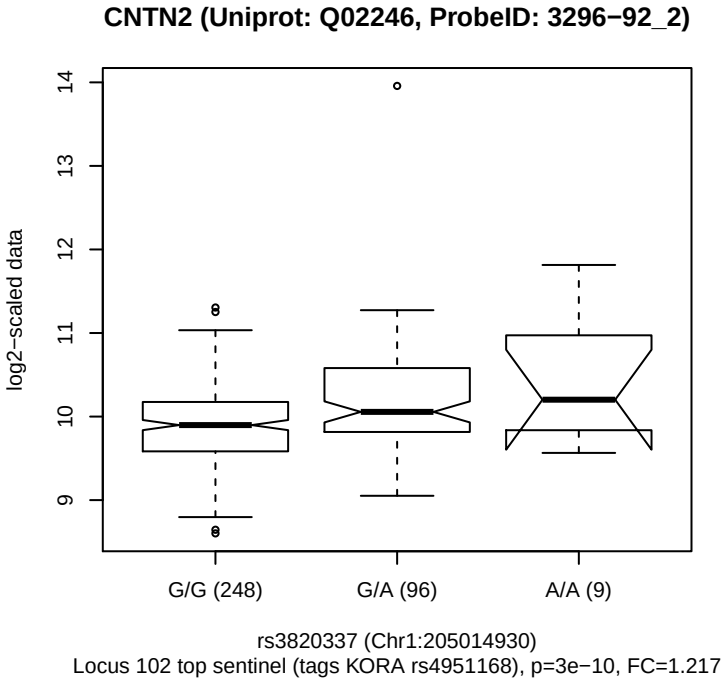

TIMD3 (Uniprot: Q8TDQ0, ProbeID: 5134−52_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Hepatitis A virus cellular receptor 2

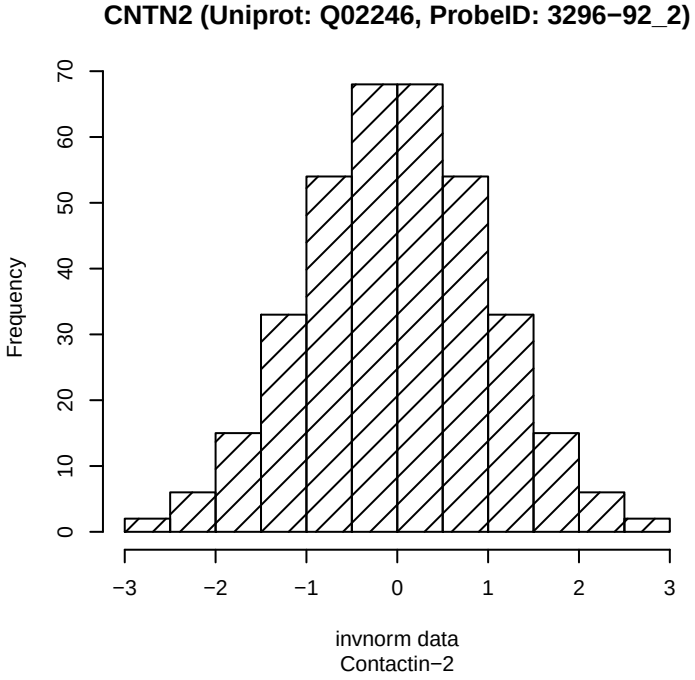

TIMD3 (Uniprot: Q8TDQ0, ProbeID: 5134−52_2)
invnorm data
−2
−1
0
1
2
G/G (278)
G/A (67)
A/A (8)
rs919747 (Chr5:156531330)
Locus 101 top sentinel (tags KORA rs4704846), p=2.6e−17

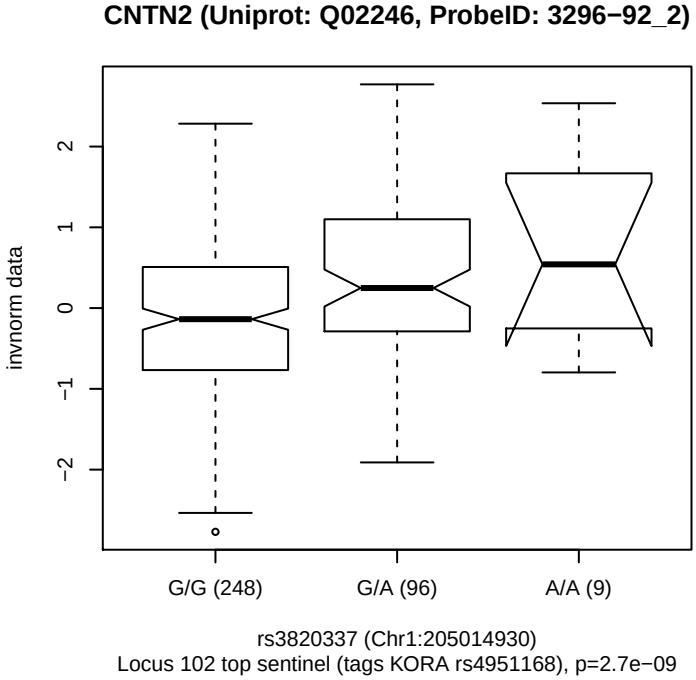

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
Frequency
0
50
100
150
200
250
300
350
0
5000
10000
15000
raw data
Contactin−2

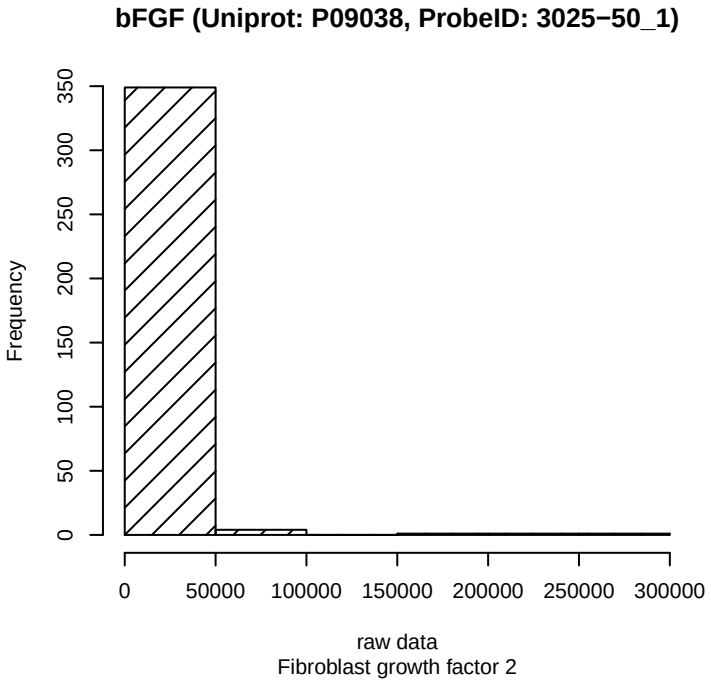

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
raw data
0
5000
10000
15000
G/G (248)
G/A (96)
A/A (9)
rs3820337 (Chr1:205014930)
Locus 102 top sentinel (tags KORA rs4951168), p=1.4e−05

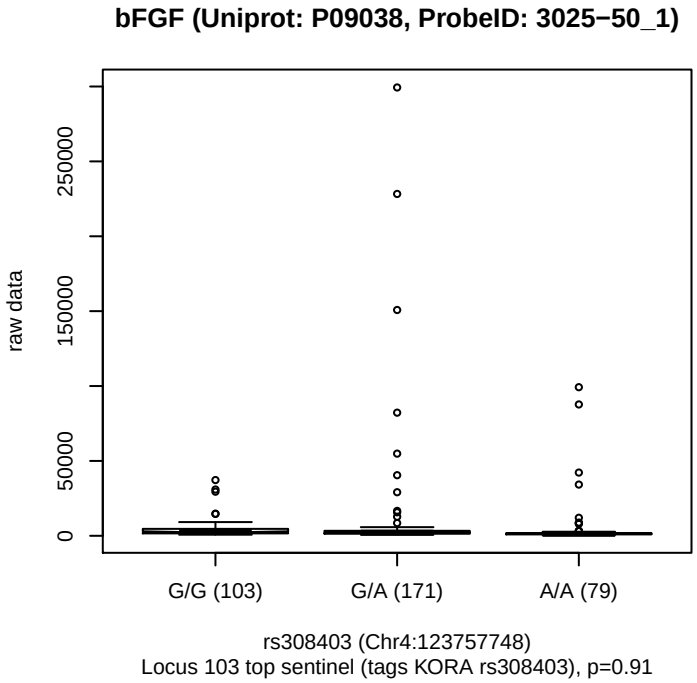

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
Frequency
0
20
40
60
80
100
120
9
10
11
12
13
14
log2−scaled data
Contactin−2

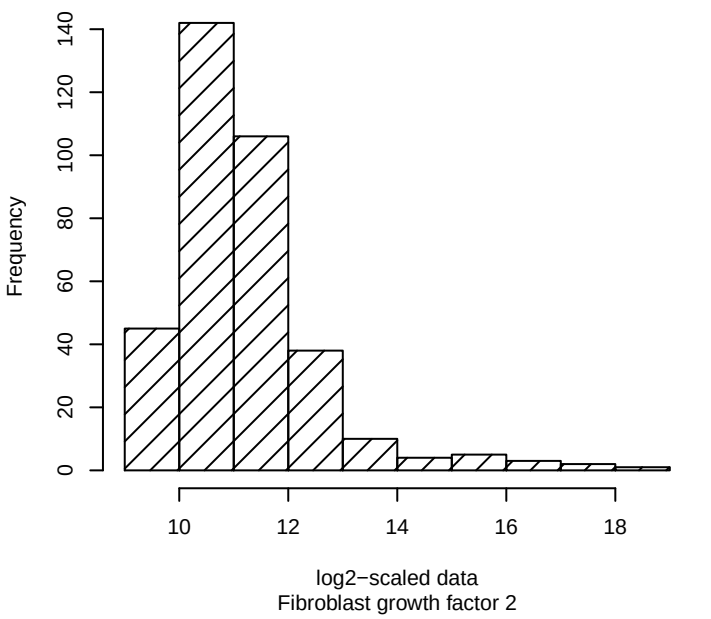

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
log2−scaled data
9
10
11
12
13
14
G/G (248)
G/A (96)
A/A (9)
rs3820337 (Chr1:205014930)
Locus 102 top sentinel (tags KORA rs4951168), p=3e−10, FC=1.217

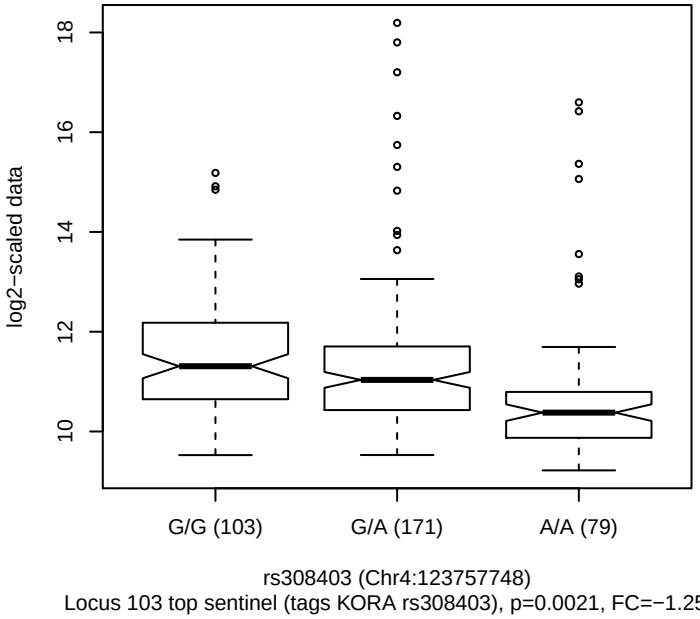

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Contactin−2

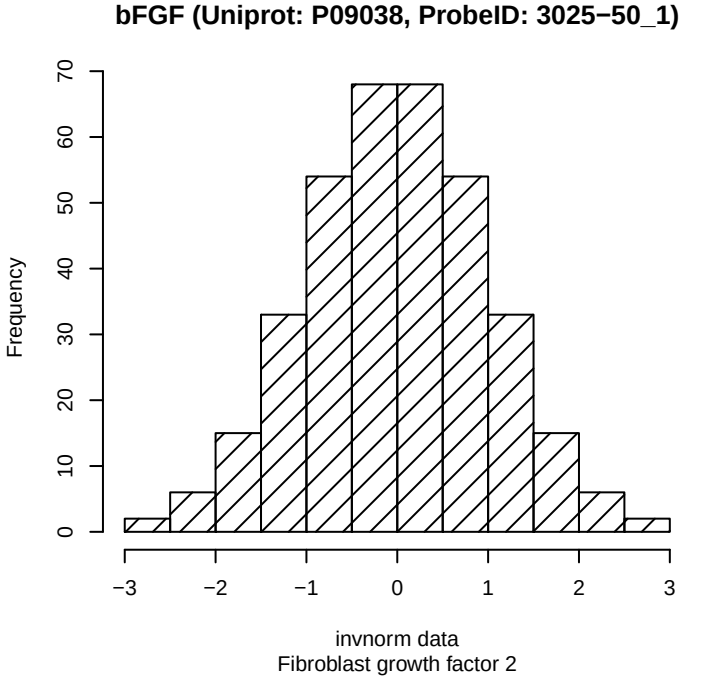

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
invnorm data
−2
−1
0
1
2
G/G (248)
G/A (96)
A/A (9)
rs3820337 (Chr1:205014930)
Locus 102 top sentinel (tags KORA rs4951168), p=2.7e−09

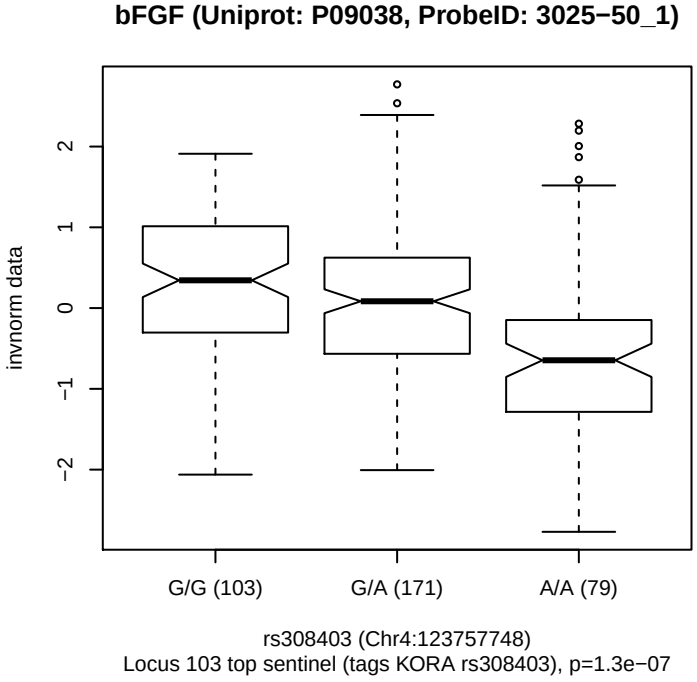

bFGF (Uniprot: P09038, ProbeID: 3025−50_1)
Frequency
0
50
100
150
200
250
300
350
0
50000
100000
150000
200000
250000
300000
raw data
Fibroblast growth factor 2

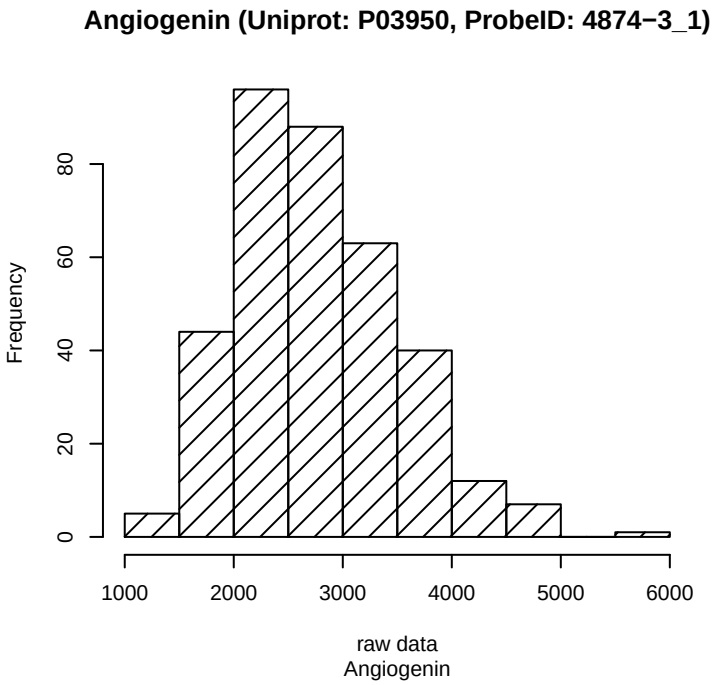

bFGF (Uniprot: P09038, ProbeID: 3025−50_1)
raw data
0
50000
150000
250000
G/G (103)
G/A (171)
A/A (79)
rs308403 (Chr4:123757748)
Locus 103 top sentinel (tags KORA rs308403), p=0.91

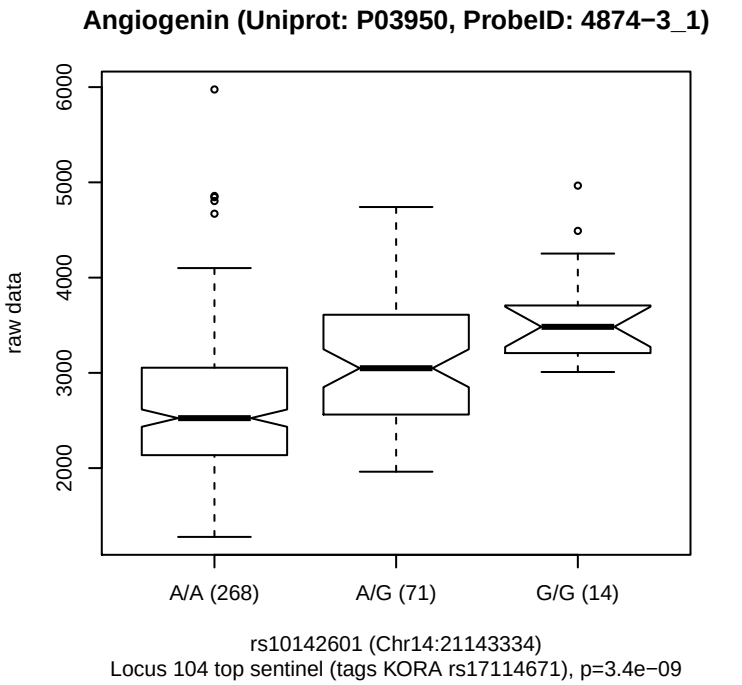

bFGF (Uniprot: P09038, ProbeID: 3025−50_1)
Frequency
0
20
40
60
80
100
120
140
10
12
14
16
18
log2−scaled data
Fibroblast growth factor 2

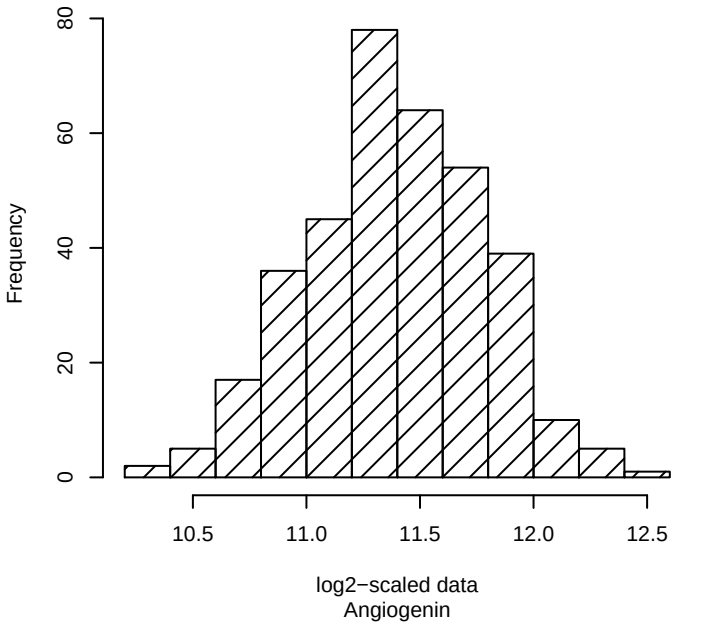

bFGF (Uniprot: P09038, ProbeID: 3025−50_1)
log2−scaled data
10
12
14
16
18
G/G (103)
G/A (171)
A/A (79)
rs308403 (Chr4:123757748)
Locus 103 top sentinel (tags KORA rs308403), p=0.0021, FC=−1.2544

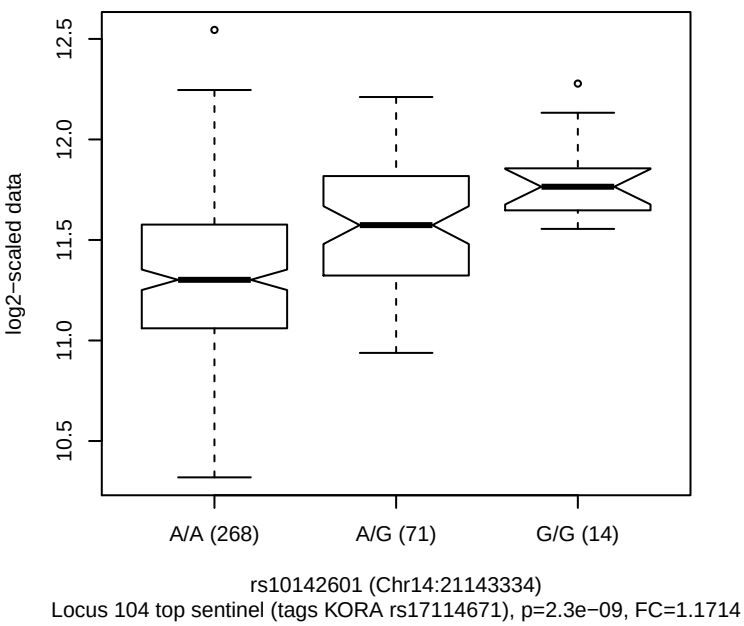

bFGF (Uniprot: P09038, ProbeID: 3025−50_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Fibroblast growth factor 2

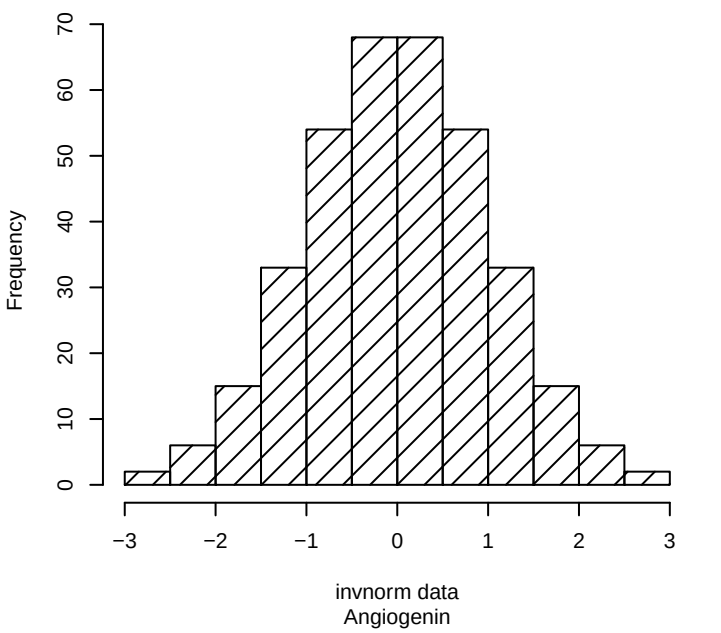

bFGF (Uniprot: P09038, ProbeID: 3025−50_1)
invnorm data
−2
−1
0
1
2
G/G (103)
G/A (171)
A/A (79)
rs308403 (Chr4:123757748)
Locus 103 top sentinel (tags KORA rs308403), p=1.3e−07

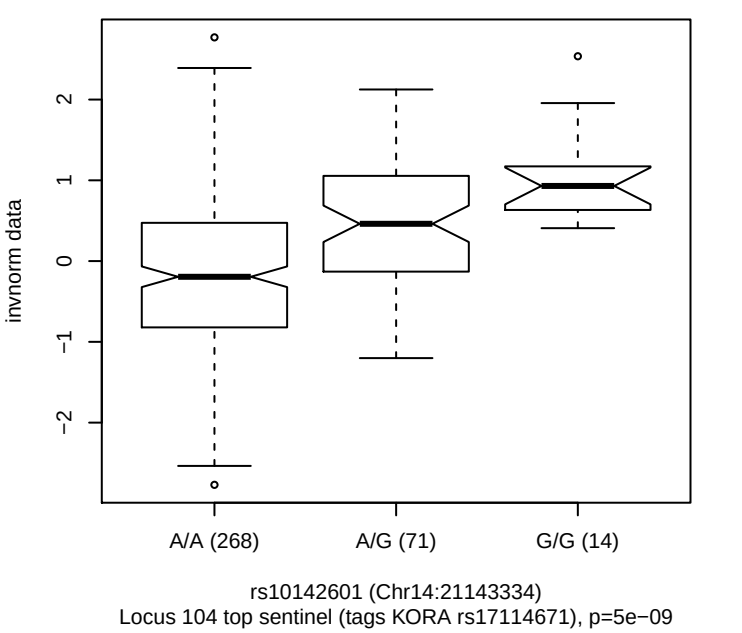

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
Frequency
0
20
40
60
80
1000
2000
3000
4000
5000
6000
raw data
Angiogenin

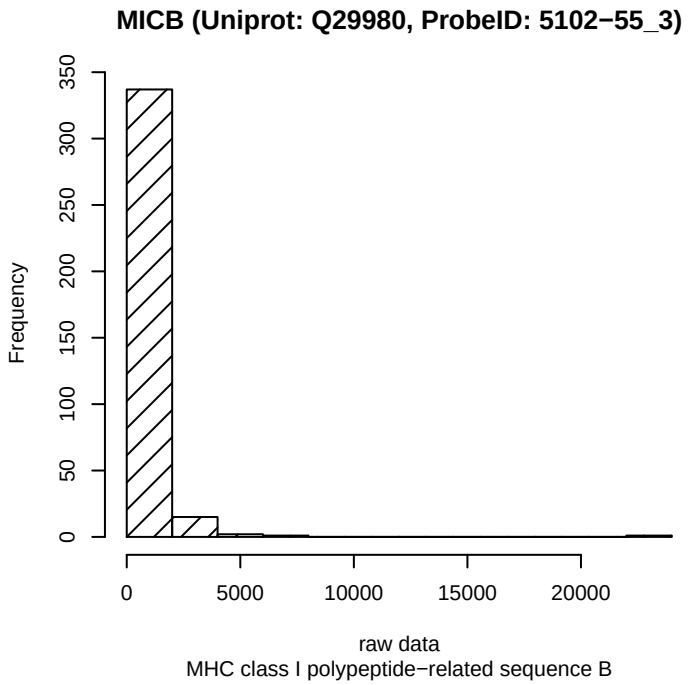

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
raw data
2000
3000
4000
5000
6000
A/A (268)
A/G (71)
G/G (14)
rs10142601 (Chr14:21143334)
Locus 104 top sentinel (tags KORA rs17114671), p=3.4e−09

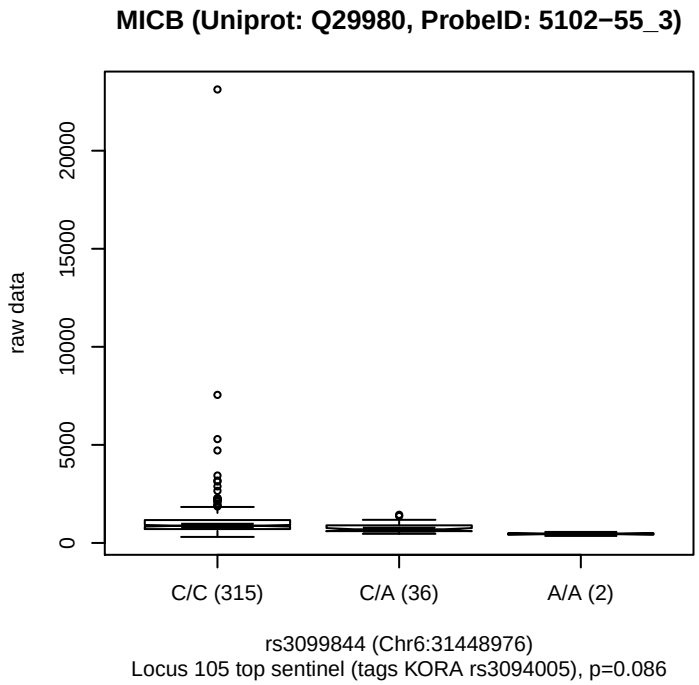

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
Frequency
0
20
40
60
80
10.5
11.0
11.5
12.0
12.5
log2−scaled data
Angiogenin

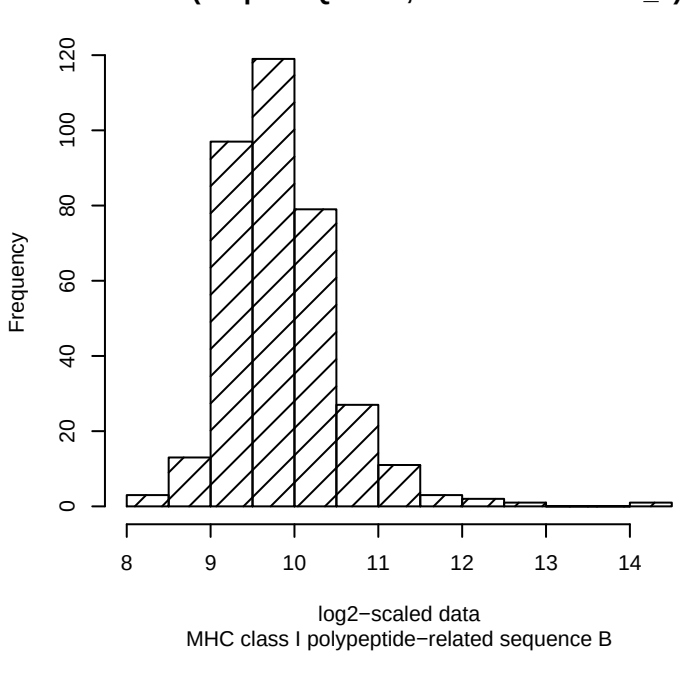

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
log2−scaled data
10.5
11.0
11.5
12.0
12.5
A/A (268)
A/G (71)
G/G (14)
rs10142601 (Chr14:21143334)
Locus 104 top sentinel (tags KORA rs17114671), p=2.3e−09, FC=1.1714

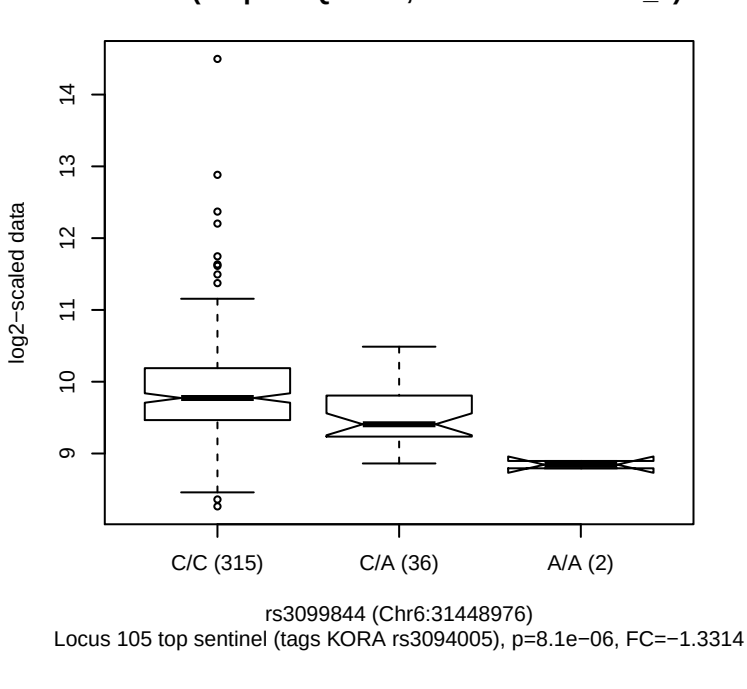

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Angiogenin

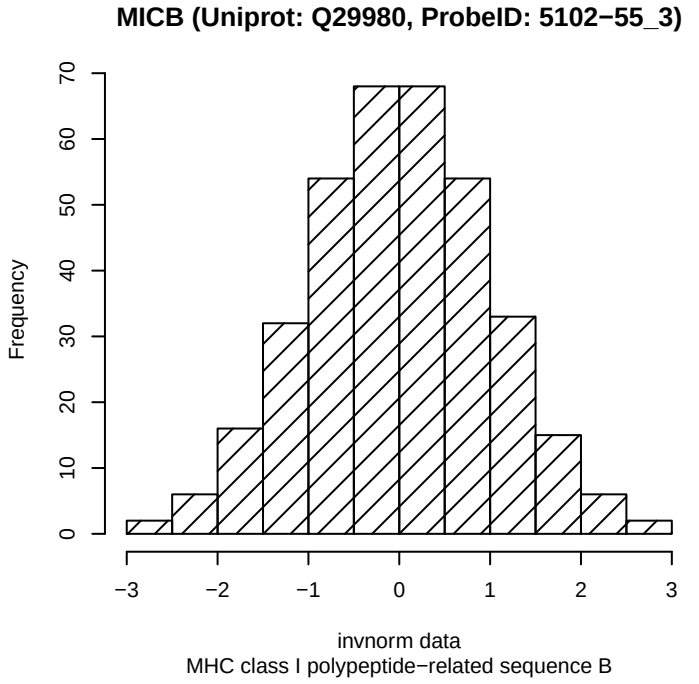

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
invnorm data
−2
−1
0
1
2
A/A (268)
A/G (71)
G/G (14)
rs10142601 (Chr14:21143334)
Locus 104 top sentinel (tags KORA rs17114671), p=5e−09

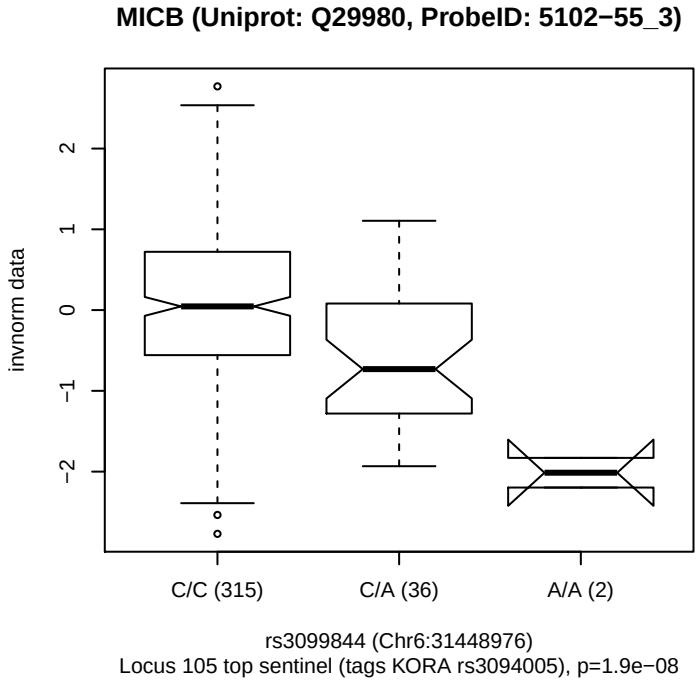

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
50
100
150
200
250
300
350
0
5000
10000
15000
20000
raw data
MHC class I polypeptide−related sequence B

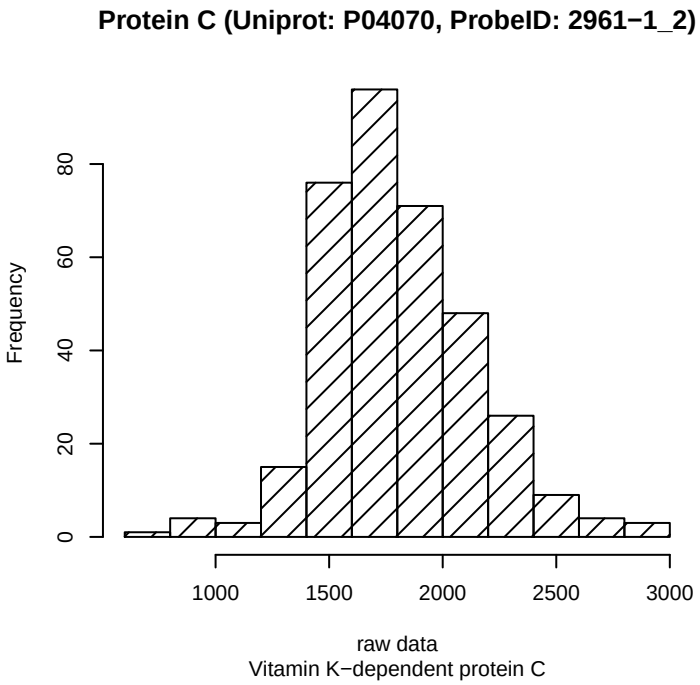

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
raw data
0
5000
10000
15000
20000
C/C (315)
C/A (36)
A/A (2)
rs3099844 (Chr6:31448976)
Locus 105 top sentinel (tags KORA rs3094005), p=0.086

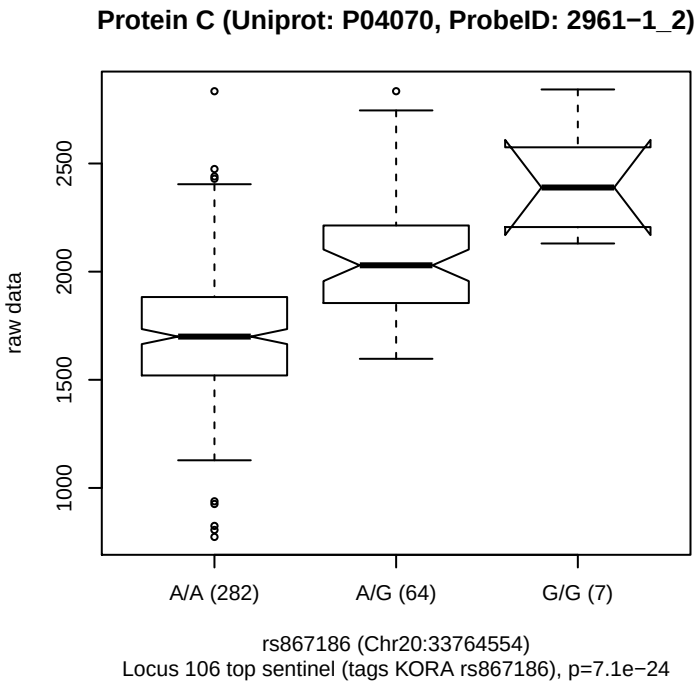

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
20
40
60
80
100
120
8
9
10
11
12
13
14
log2−scaled data
MHC class I polypeptide−related sequence B

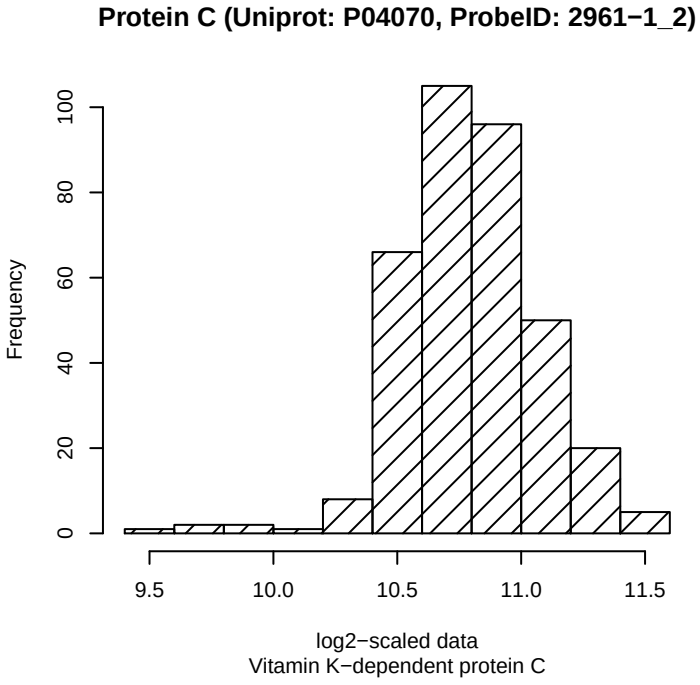

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
log2−scaled data
9
10
11
12
13
14
C/C (315)
C/A (36)
A/A (2)
rs3099844 (Chr6:31448976)
Locus 105 top sentinel (tags KORA rs3094005), p=8.1e−06, FC=−1.3314

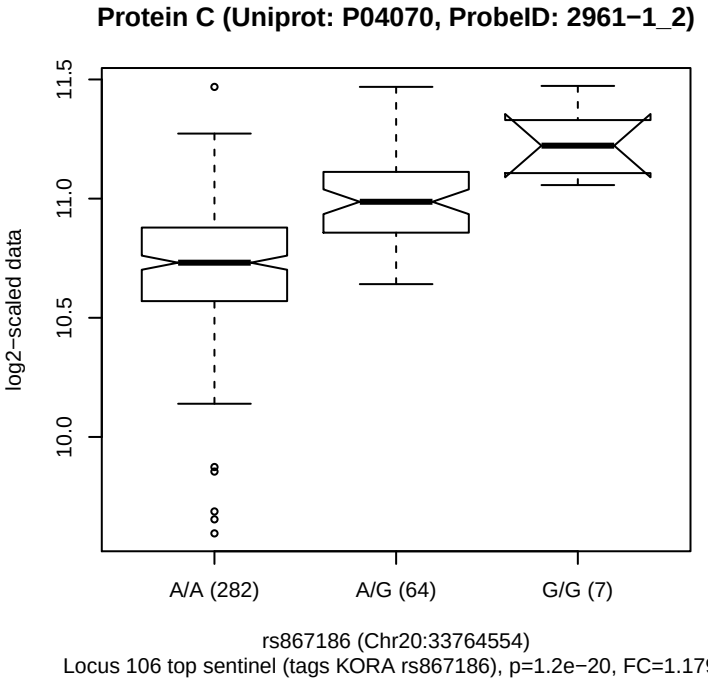

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence B

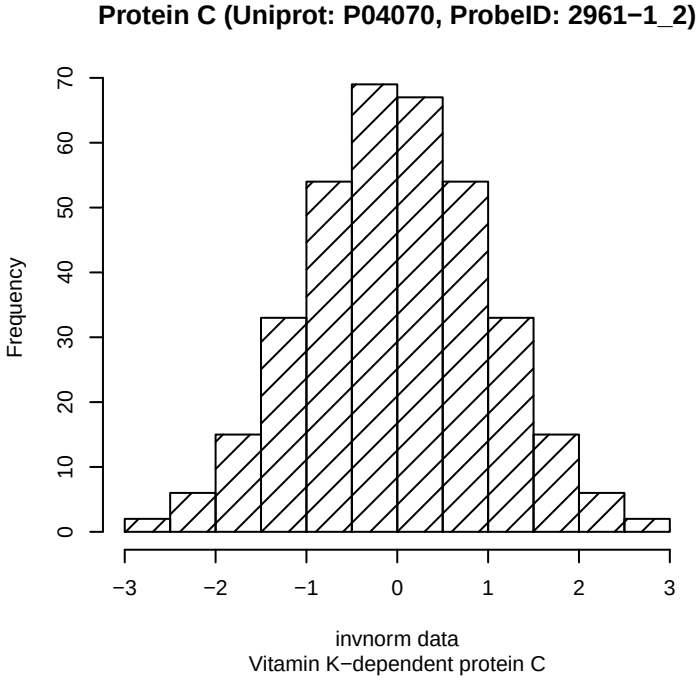

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
invnorm data
−2
−1
0
1
2
C/C (315)
C/A (36)
A/A (2)
rs3099844 (Chr6:31448976)
Locus 105 top sentinel (tags KORA rs3094005), p=1.9e−08

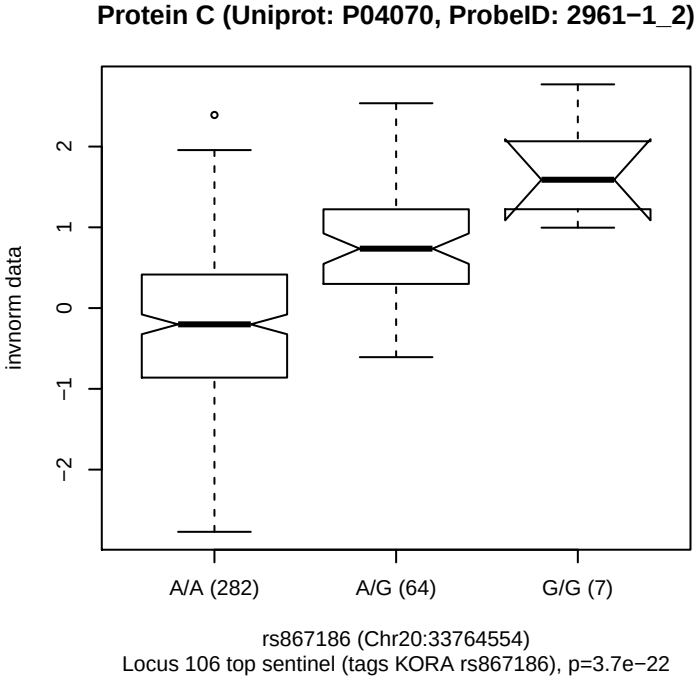

Protein C (Uniprot: P04070, ProbeID: 2961−1_2)
Frequency
0
20
40
60
80
1000
1500
2000
2500
3000
raw data
Vitamin K−dependent protein C

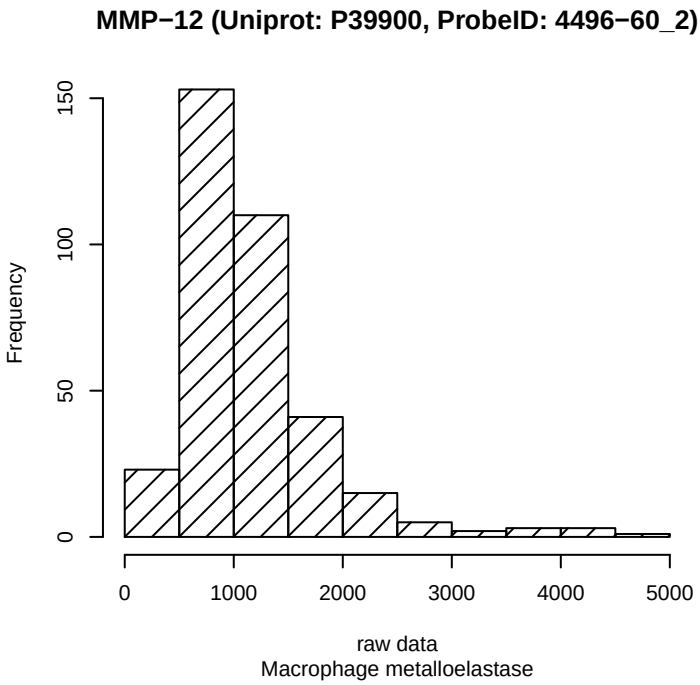

Protein C (Uniprot: P04070, ProbeID: 2961−1_2)
raw data
1000
1500
2000
2500
A/A (282)
A/G (64)
G/G (7)
rs867186 (Chr20:33764554)
Locus 106 top sentinel (tags KORA rs867186), p=7.1e−24

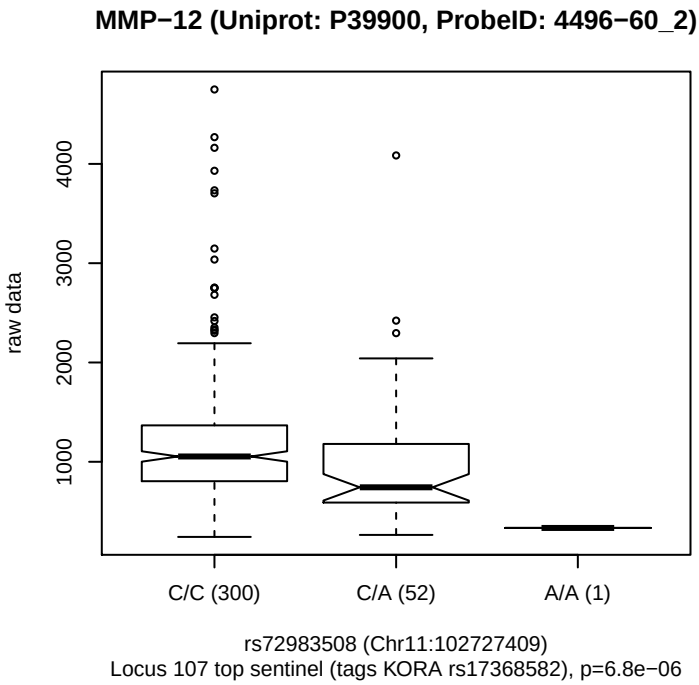

Protein C (Uniprot: P04070, ProbeID: 2961−1_2)
Frequency
0
20
40
60
80
100
9.5
10.0
10.5
11.0
11.5
log2−scaled data
Vitamin K−dependent protein C

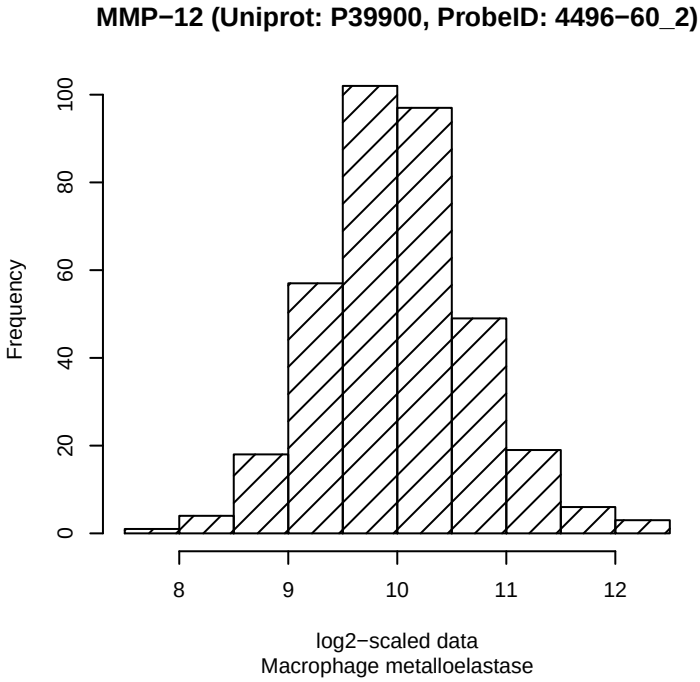

Protein C (Uniprot: P04070, ProbeID: 2961−1_2)
log2−scaled data
10.0
10.5
11.0
11.5
A/A (282)
A/G (64)
G/G (7)
rs867186 (Chr20:33764554)
Locus 106 top sentinel (tags KORA rs867186), p=1.2e−20, FC=1.1792

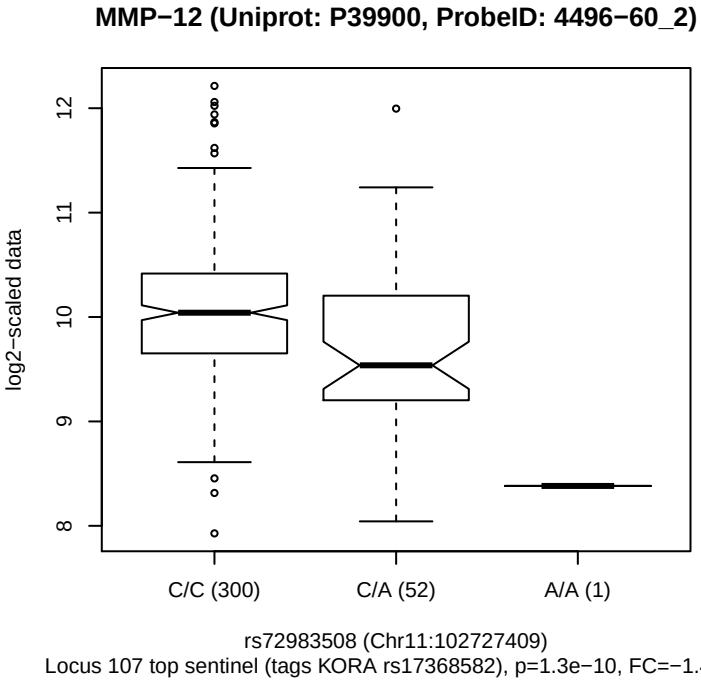

Protein C (Uniprot: P04070, ProbeID: 2961−1_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Vitamin K−dependent protein C

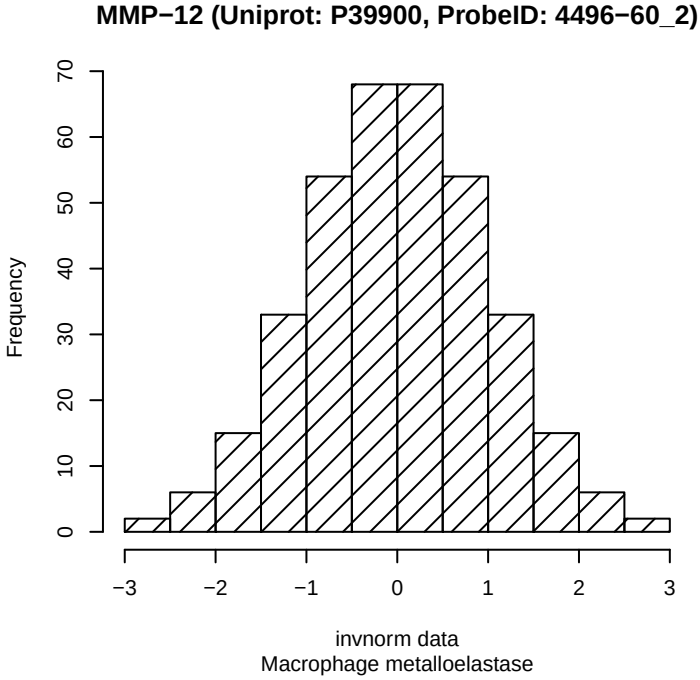

Protein C (Uniprot: P04070, ProbeID: 2961−1_2)
invnorm data
−2
−1
0
1
2
A/A (282)
A/G (64)
G/G (7)
rs867186 (Chr20:33764554)
Locus 106 top sentinel (tags KORA rs867186), p=3.7e−22

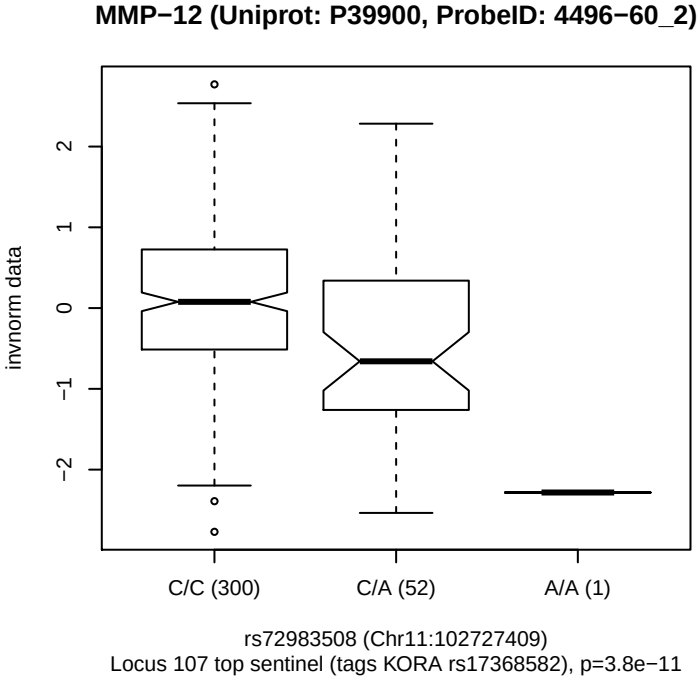

MMP−12 (Uniprot: P39900, ProbeID: 4496−60_2)
Frequency
0
50
100
150
0
1000
2000
3000
4000
5000
raw data
Macrophage metalloelastase

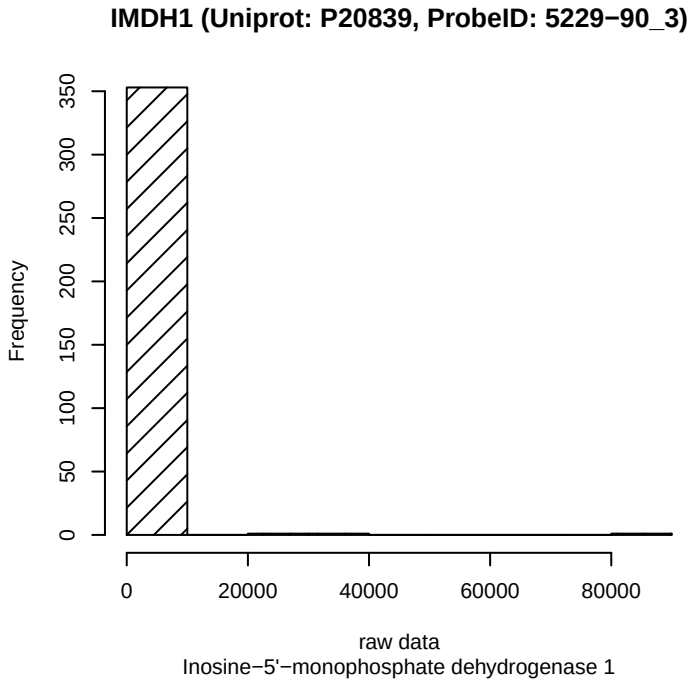

MMP−12 (Uniprot: P39900, ProbeID: 4496−60_2)
raw data
1000
2000
3000
4000
C/C (300)
C/A (52)
A/A (1)
rs72983508 (Chr11:102727409)
Locus 107 top sentinel (tags KORA rs17368582), p=6.8e−06

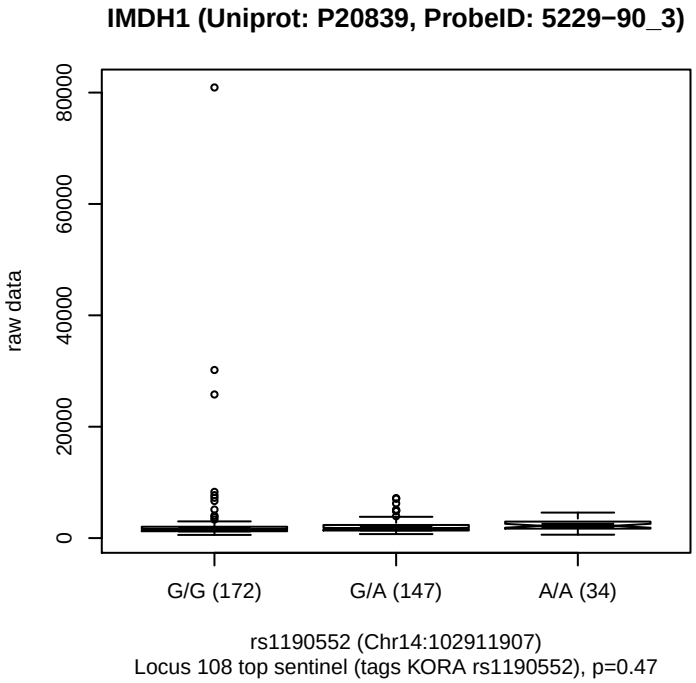

MMP−12 (Uniprot: P39900, ProbeID: 4496−60_2)
Frequency
0
20
40
60
80
100
8
9
10
11
12
log2−scaled data
Macrophage metalloelastase

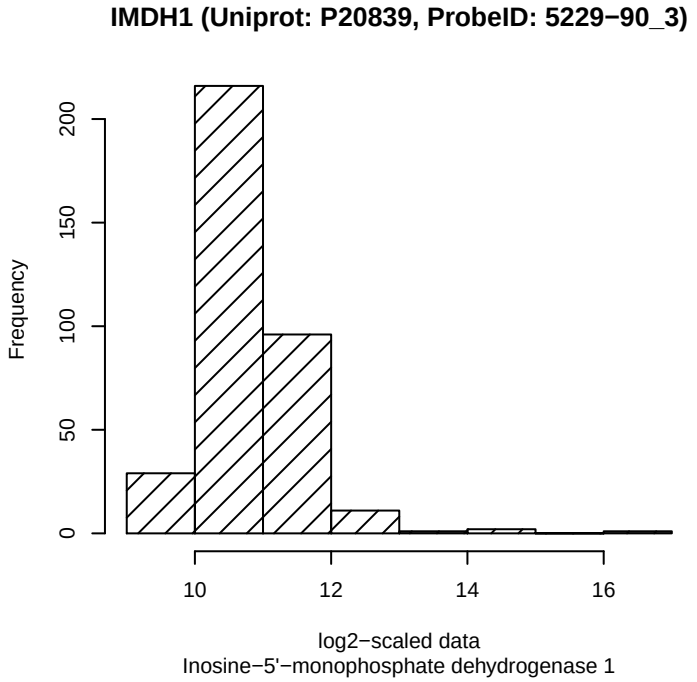

MMP−12 (Uniprot: P39900, ProbeID: 4496−60_2)
log2−scaled data
8
9
10
11
12
C/C (300)
C/A (52)
A/A (1)
rs72983508 (Chr11:102727409)
Locus 107 top sentinel (tags KORA rs17368582), p=1.3e−10, FC=−1.4346

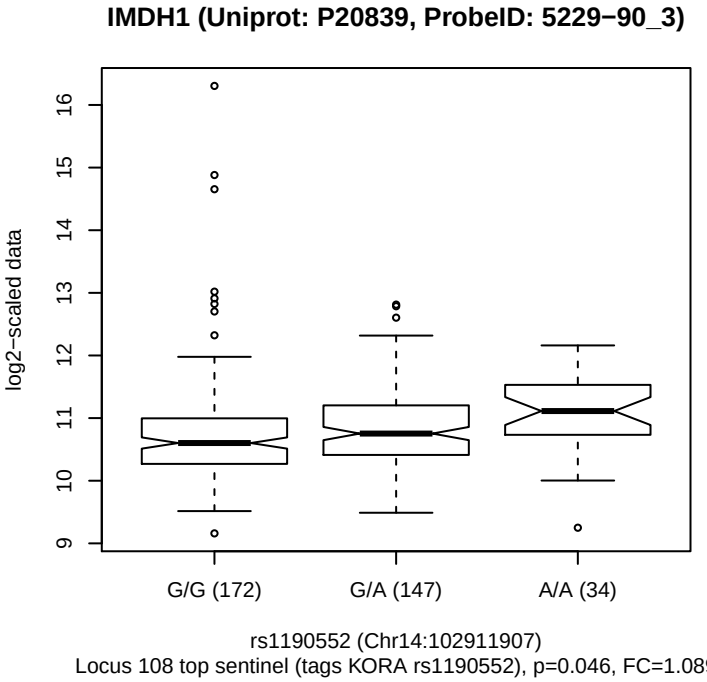

MMP−12 (Uniprot: P39900, ProbeID: 4496−60_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Macrophage metalloelastase

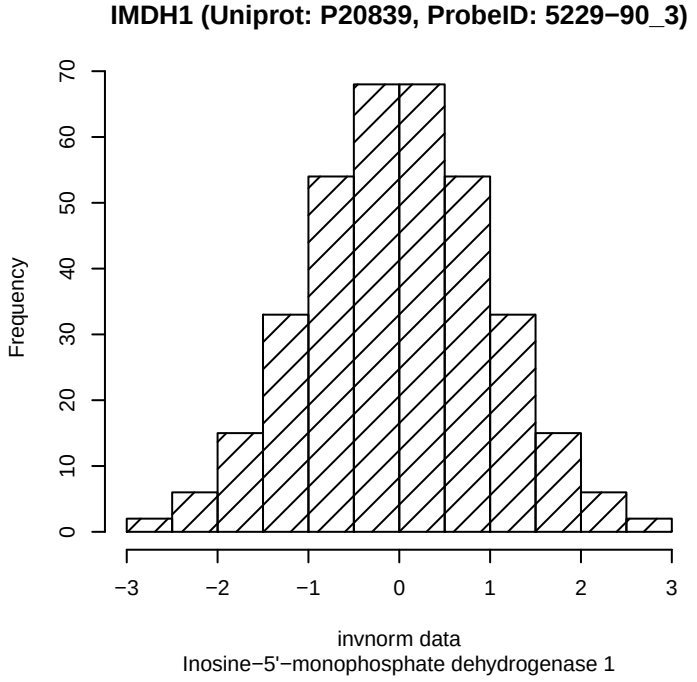

MMP−12 (Uniprot: P39900, ProbeID: 4496−60_2)
invnorm data
−2
−1
0
1
2
C/C (300)
C/A (52)
A/A (1)
rs72983508 (Chr11:102727409)
Locus 107 top sentinel (tags KORA rs17368582), p=3.8e−11

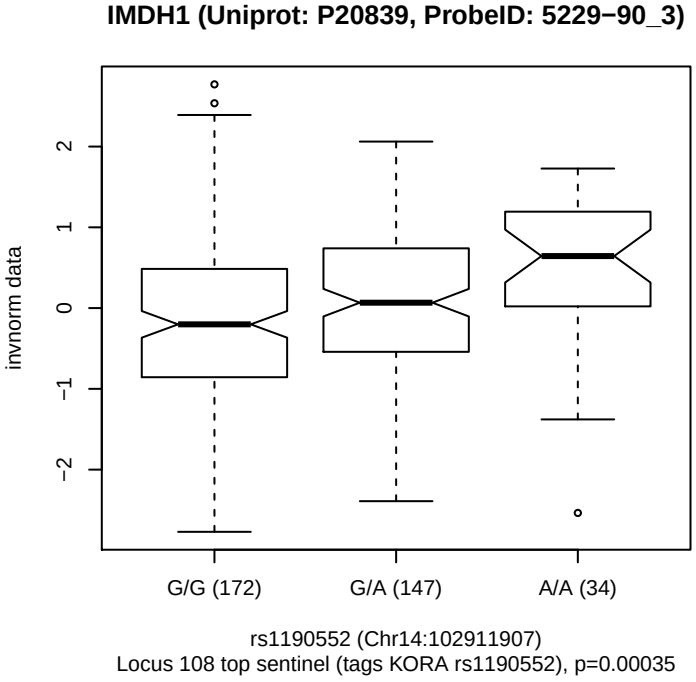

IMDH1 (Uniprot: P20839, ProbeID: 5229−90_3)
Frequency
0
50
100
150
200
250
300
350
0
20000
40000
60000
80000
raw data
Inosine−5'−monophosphate dehydrogenase 1


IMDH1 (Uniprot: P20839, ProbeID: 5229−90_3)
raw data
0
20000
40000
60000
80000
G/G (172)
G/A (147)
A/A (34)
rs1190552 (Chr14:102911907)
Locus 108 top sentinel (tags KORA rs1190552), p=0.47

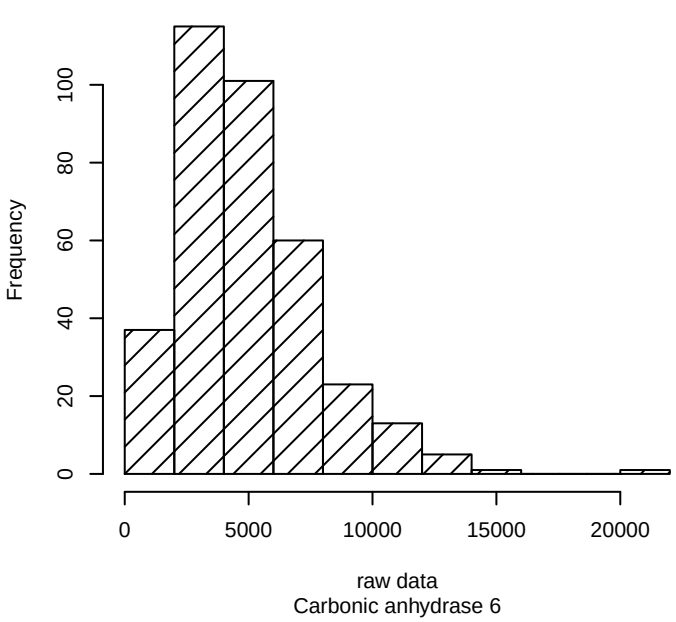

IMDH1 (Uniprot: P20839, ProbeID: 5229−90_3)
Frequency
0
50
100
150
200
10
12
14
16
log2−scaled data
Inosine−5'−monophosphate dehydrogenase 1


IMDH1 (Uniprot: P20839, ProbeID: 5229−90_3)
log2−scaled data
9
10
11
12
13
14
15
16
G/G (172)
G/A (147)
A/A (34)
rs1190552 (Chr14:102911907)
Locus 108 top sentinel (tags KORA rs1190552), p=0.046, FC=1.089

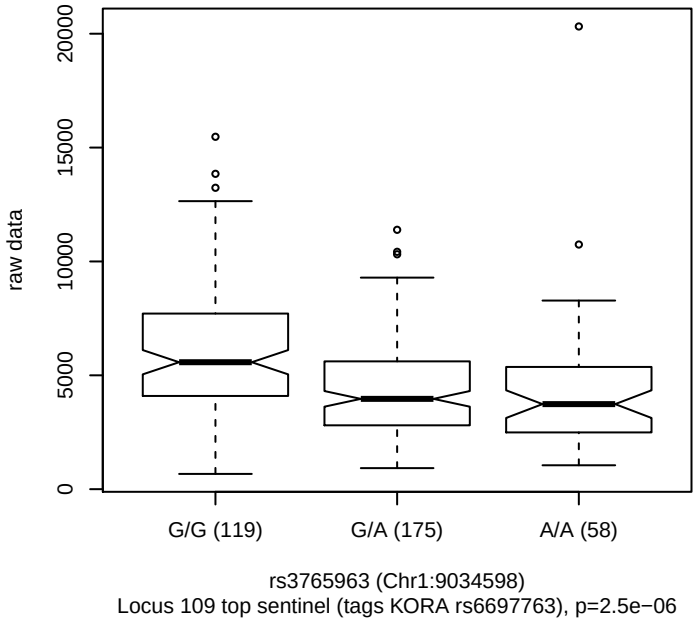

IMDH1 (Uniprot: P20839, ProbeID: 5229−90_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Inosine−5'−monophosphate dehydrogenase 1


IMDH1 (Uniprot: P20839, ProbeID: 5229−90_3)
invnorm data
−2
−1
0
1
2
G/G (172)
G/A (147)
A/A (34)
rs1190552 (Chr14:102911907)
Locus 108 top sentinel (tags KORA rs1190552), p=0.00035

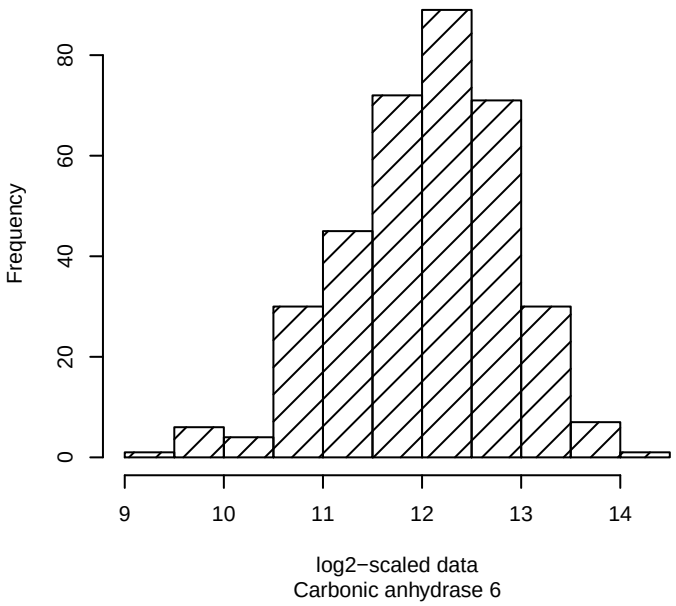
Carbonic anhydrase 6 (Uniprot: P23280, ProbeID: 3352−80



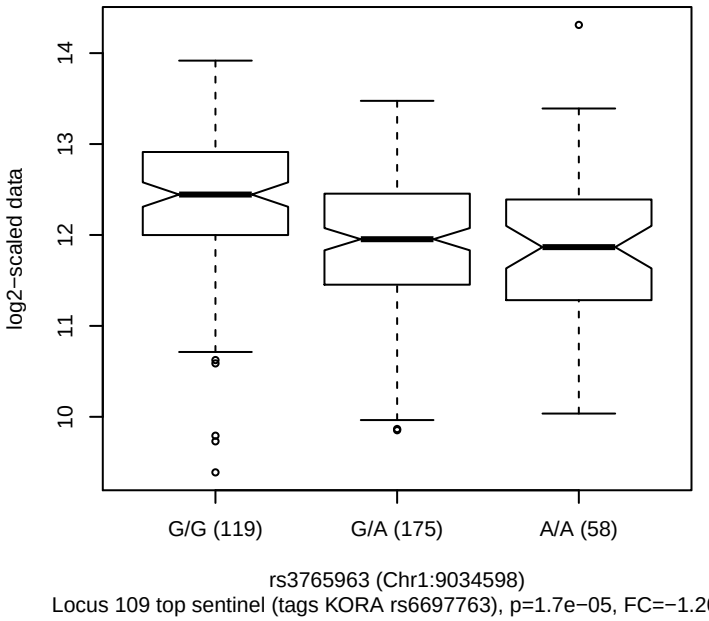
Carbonic anhydrase 6 (Uniprot: P23280, ProbeID: 3352−80



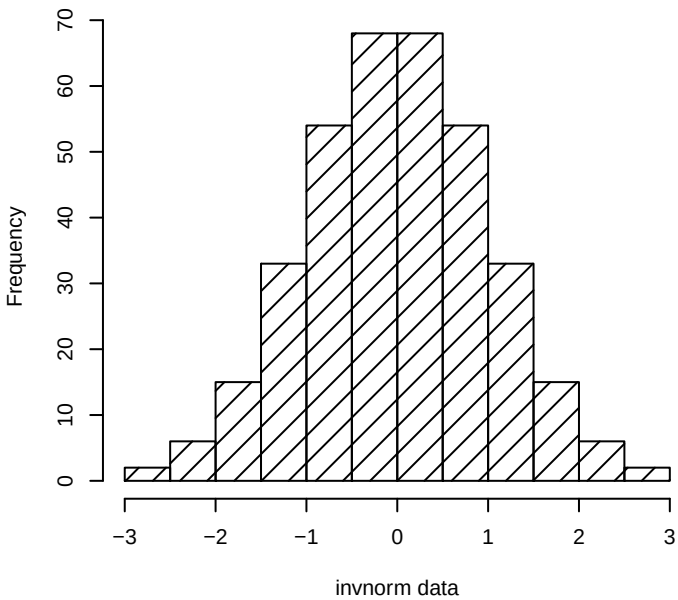
Carbonic anhydrase 6 (Uniprot: P23280, ProbeID: 3352−80



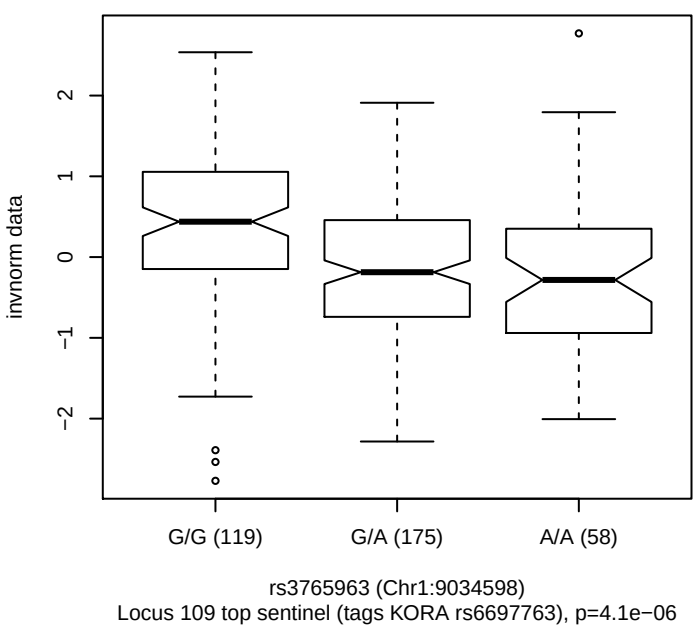
Carbonic anhydrase 6 (Uniprot: P23280, ProbeID: 3352−80

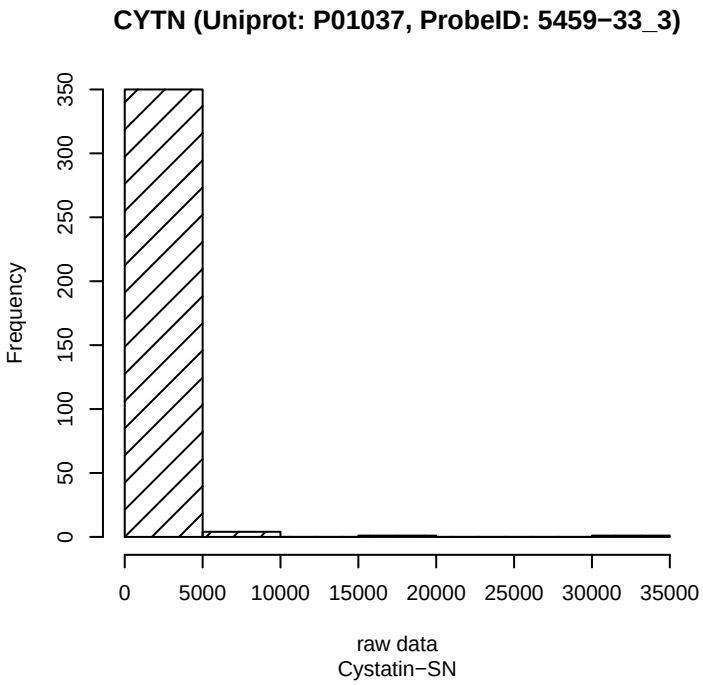


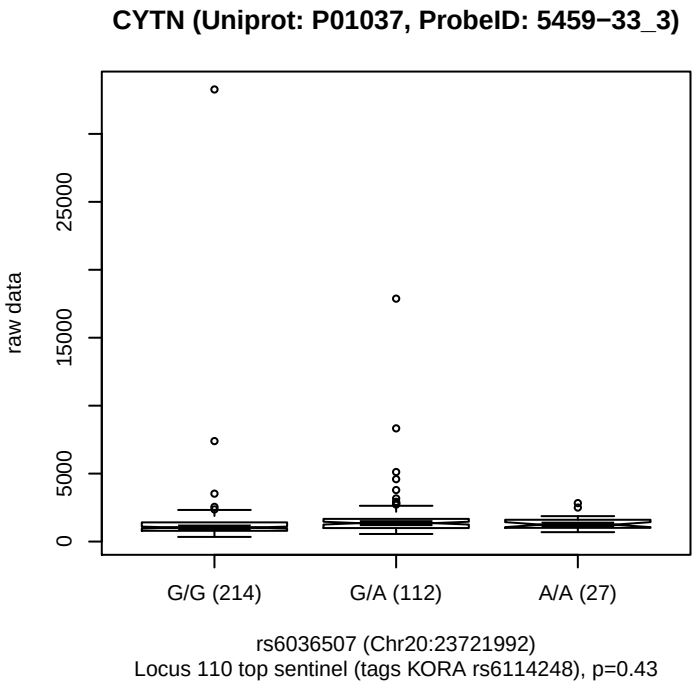
Carbonic anhydrase 6 (Uniprot: P23280, ProbeID: 3352−80

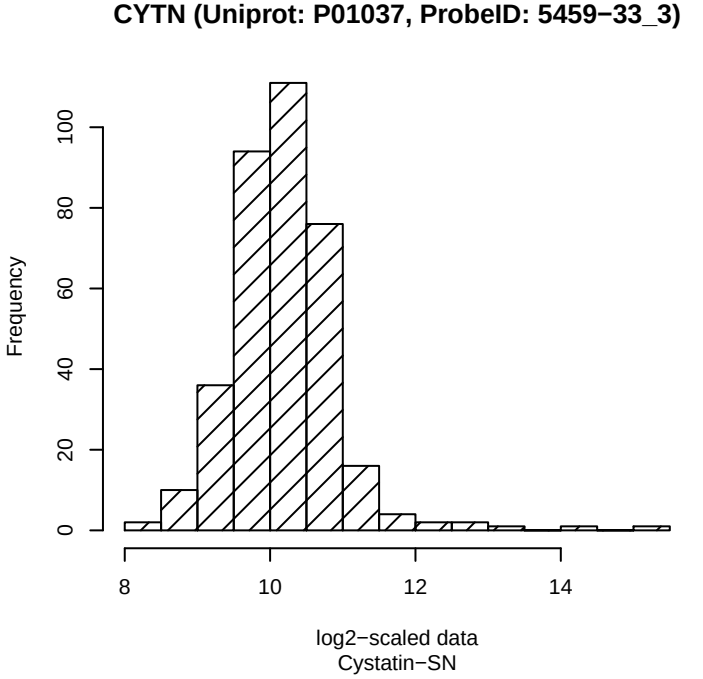


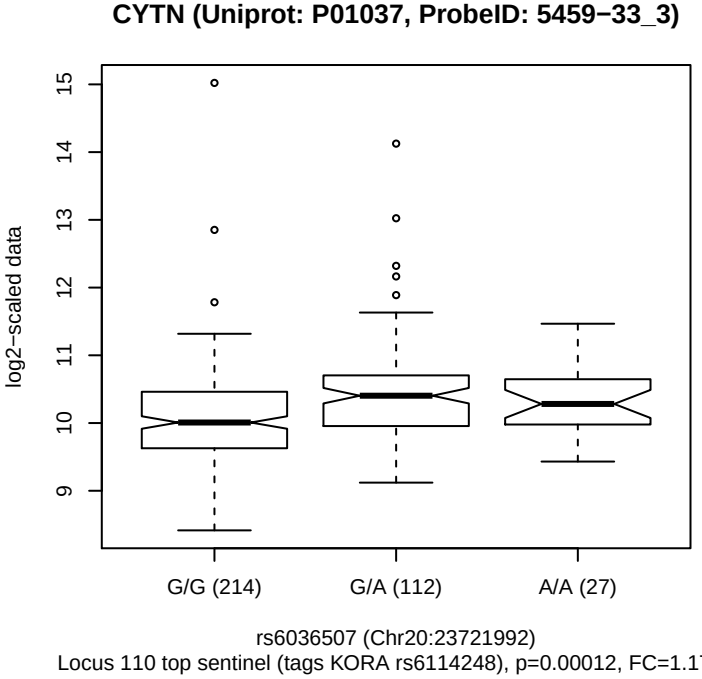
Carbonic anhydrase 6 (Uniprot: P23280, ProbeID: 3352−80

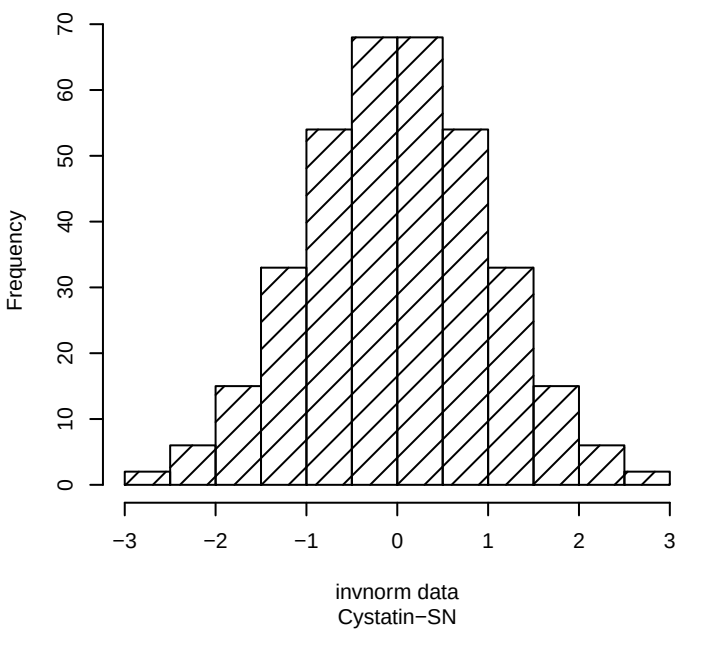


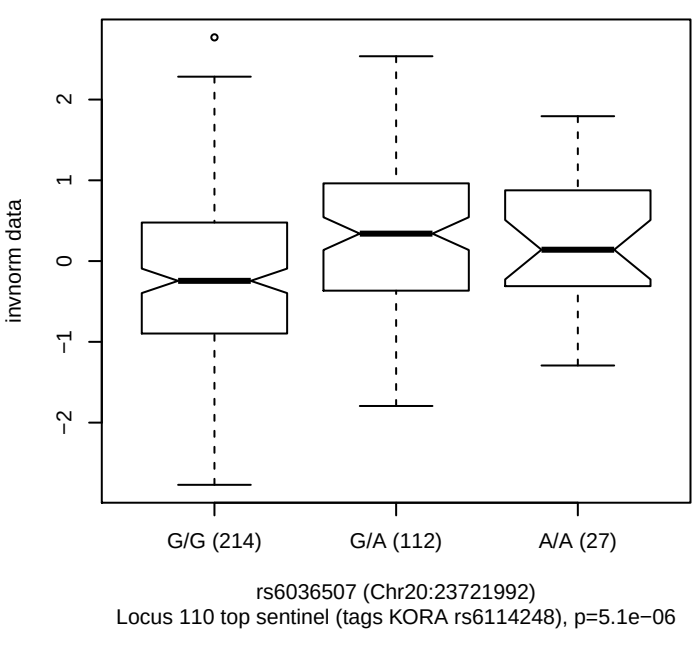

CYTN (Uniprot: P01037, ProbeID: 5459−33_3)
Frequency
0
50
100
150
200
250
300
350
0
5000
10000
15000
20000
25000
30000
35000
raw data
Cystatin−SN

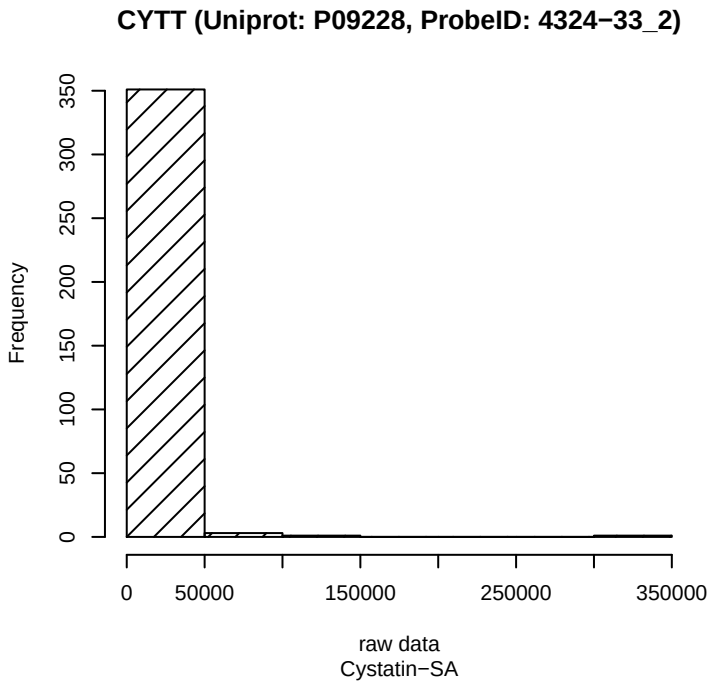

CYTN (Uniprot: P01037, ProbeID: 5459−33_3)
raw data
0
5000
15000
25000
G/G (214)
G/A (112)
A/A (27)
rs6036507 (Chr20:23721992)
Locus 110 top sentinel (tags KORA rs6114248), p=0.43

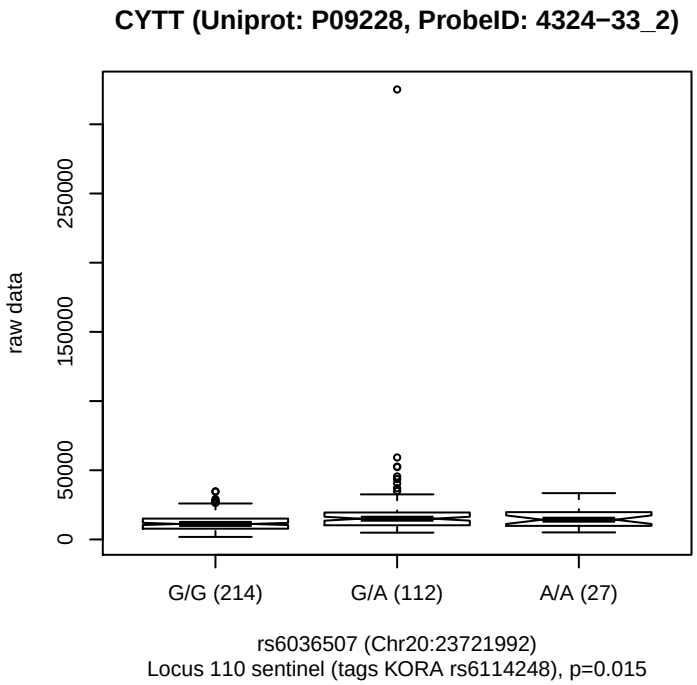

CYTN (Uniprot: P01037, ProbeID: 5459−33_3)
Frequency
0
20
40
60
80
100
8
10
12
14
log2−scaled data
Cystatin−SN

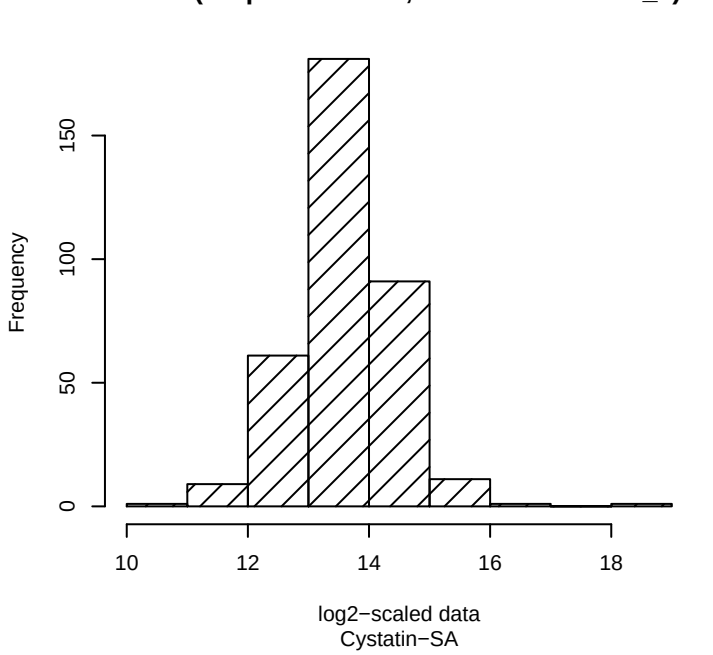

CYTN (Uniprot: P01037, ProbeID: 5459−33_3)
log2−scaled data
9
10
11
12
13
14
15
G/G (214)
G/A (112)
A/A (27)
rs6036507 (Chr20:23721992)
Locus 110 top sentinel (tags KORA rs6114248), p=0.00012, FC=1.1714

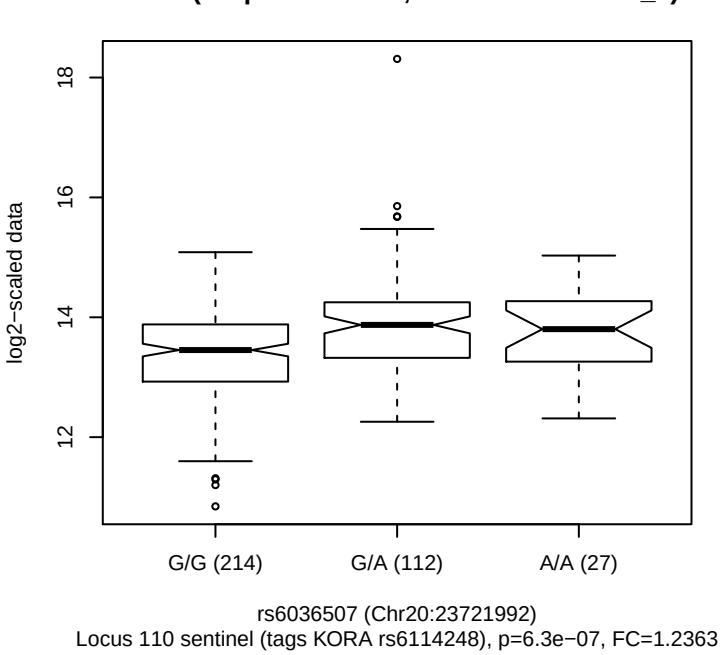

CYTN (Uniprot: P01037, ProbeID: 5459−33_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Cystatin−SN

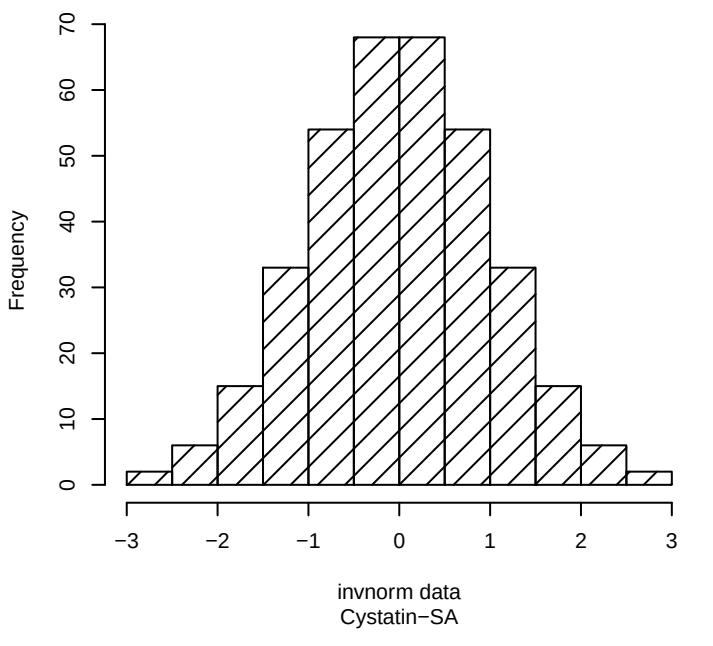

CYTN (Uniprot: P01037, ProbeID: 5459−33_3)
invnorm data
−2
−1
0
1
2
G/G (214)
G/A (112)
A/A (27)
rs6036507 (Chr20:23721992)
Locus 110 top sentinel (tags KORA rs6114248), p=5.1e−06

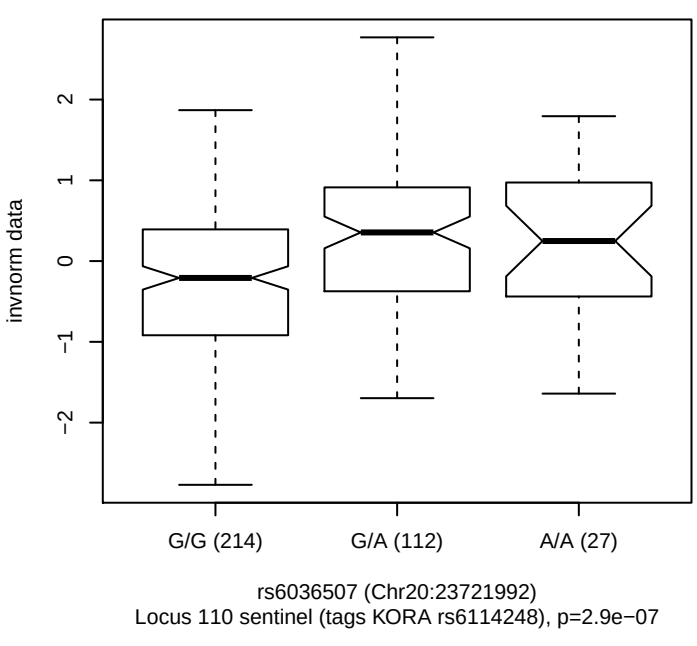

CYTT (Uniprot: P09228, ProbeID: 4324−33_2)
Frequency
0
50
100
150
200
250
300
350
0
50000
150000
250000
350000
raw data
Cystatin−SA

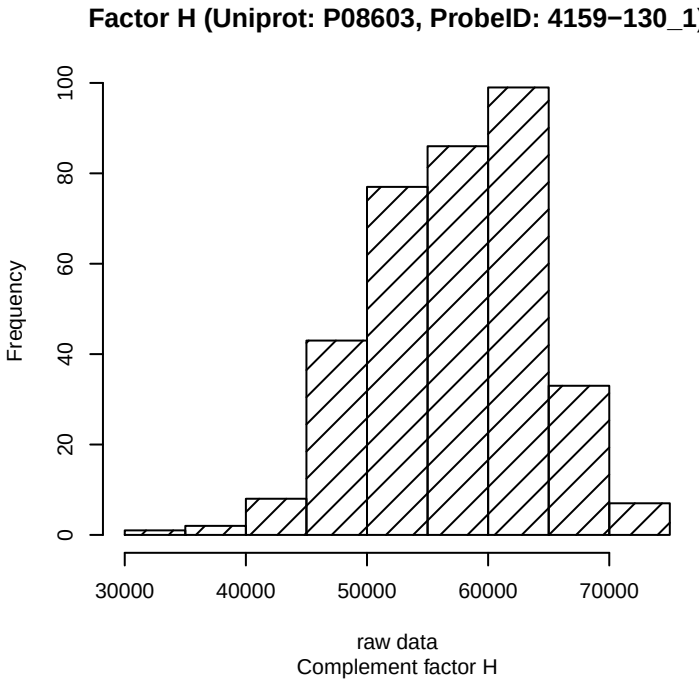

CYTT (Uniprot: P09228, ProbeID: 4324−33_2)
raw data
0
50000
150000
250000
G/G (214)
G/A (112)
A/A (27)
rs6036507 (Chr20:23721992)
Locus 110 sentinel (tags KORA rs6114248), p=0.015

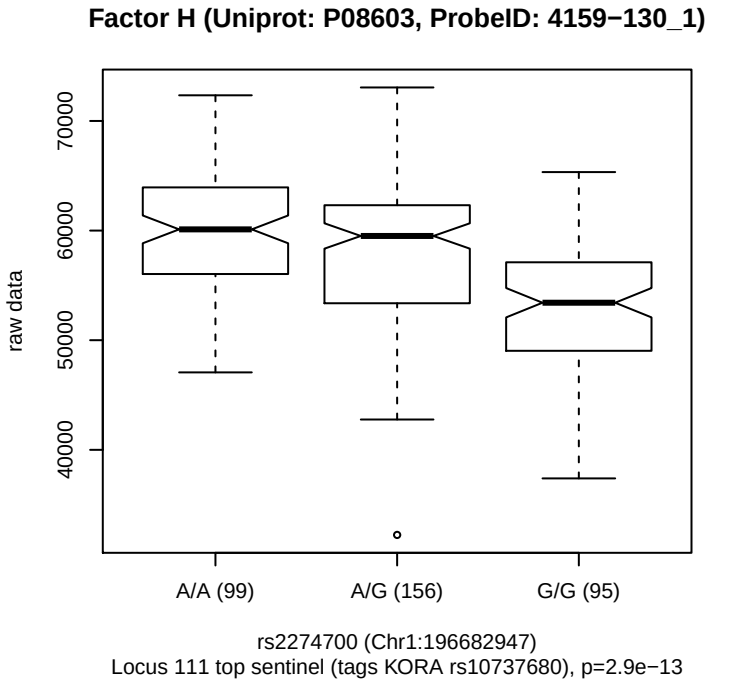

CYTT (Uniprot: P09228, ProbeID: 4324−33_2)
Frequency
0
50
100
150
10
12
14
16
18
log2−scaled data
Cystatin−SA

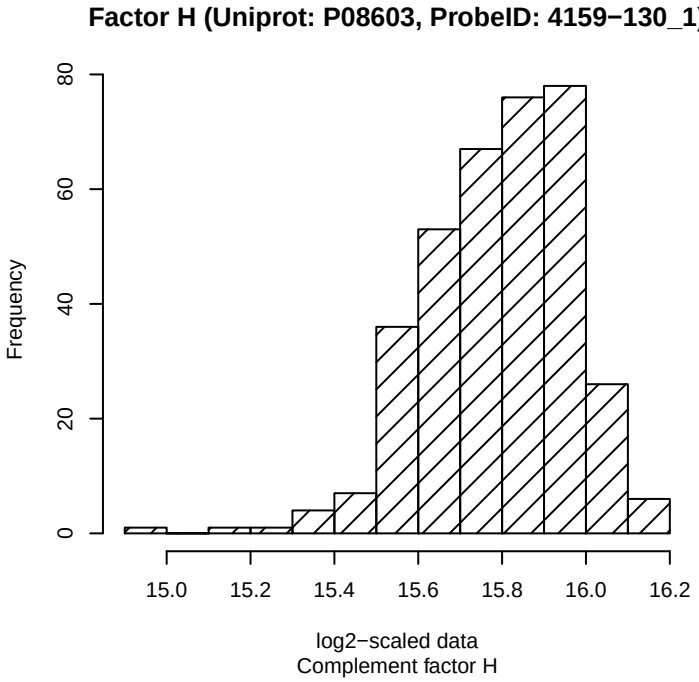

CYTT (Uniprot: P09228, ProbeID: 4324−33_2)
log2−scaled data
12
14
16
18
G/G (214)
G/A (112)
A/A (27)
rs6036507 (Chr20:23721992)
Locus 110 sentinel (tags KORA rs6114248), p=6.3e−07, FC=1.2363

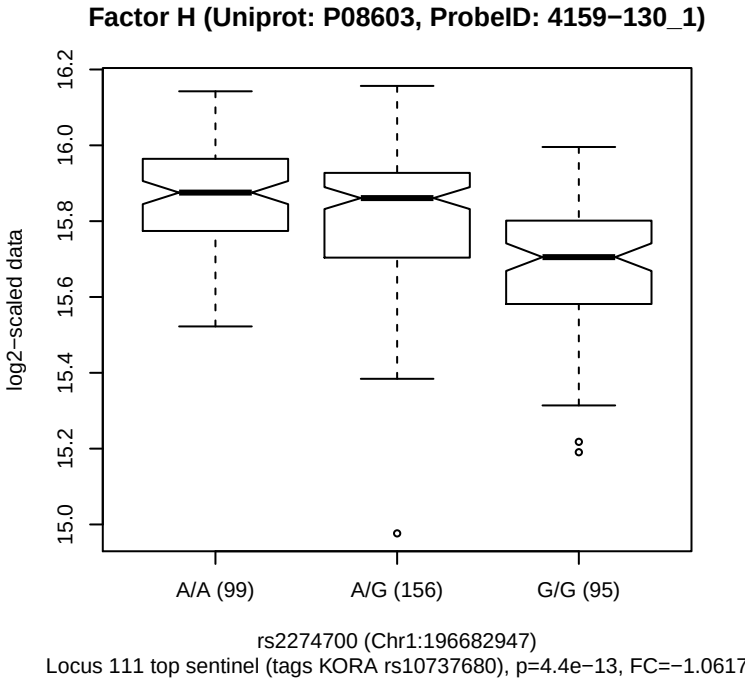

CYTT (Uniprot: P09228, ProbeID: 4324−33_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Cystatin−SA

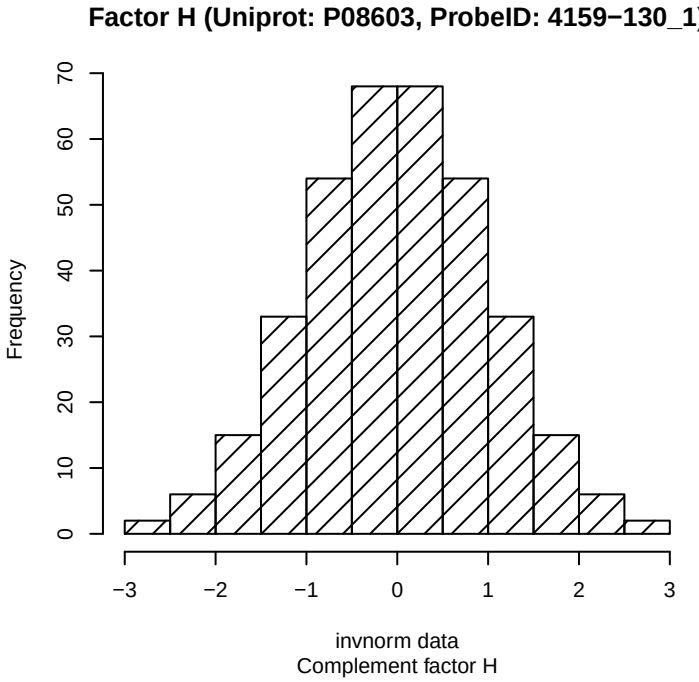

CYTT (Uniprot: P09228, ProbeID: 4324−33_2)
invnorm data
−2
−1
0
1
2
G/G (214)
G/A (112)
A/A (27)
rs6036507 (Chr20:23721992)
Locus 110 sentinel (tags KORA rs6114248), p=2.9e−07

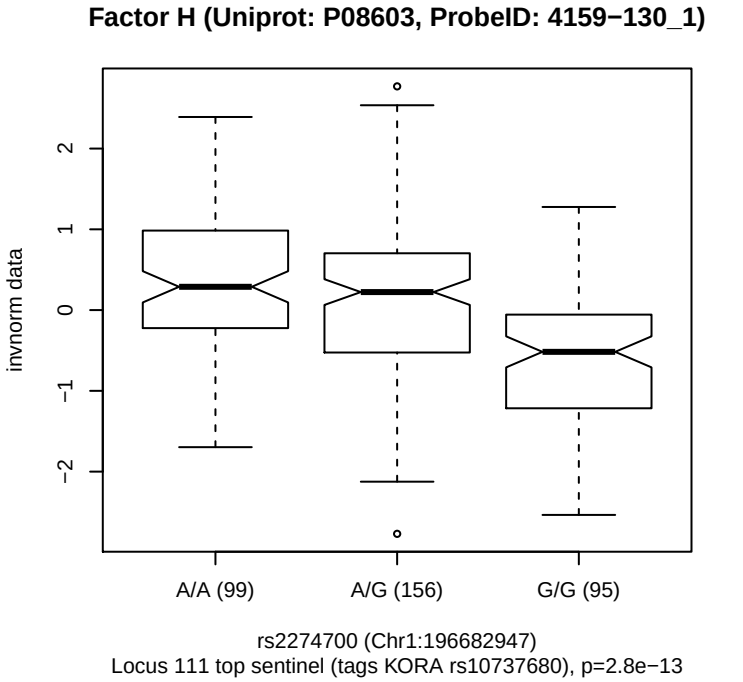

Factor H (Uniprot: P08603, ProbeID: 4159−130_1)
Frequency
raw data
Complement factor H

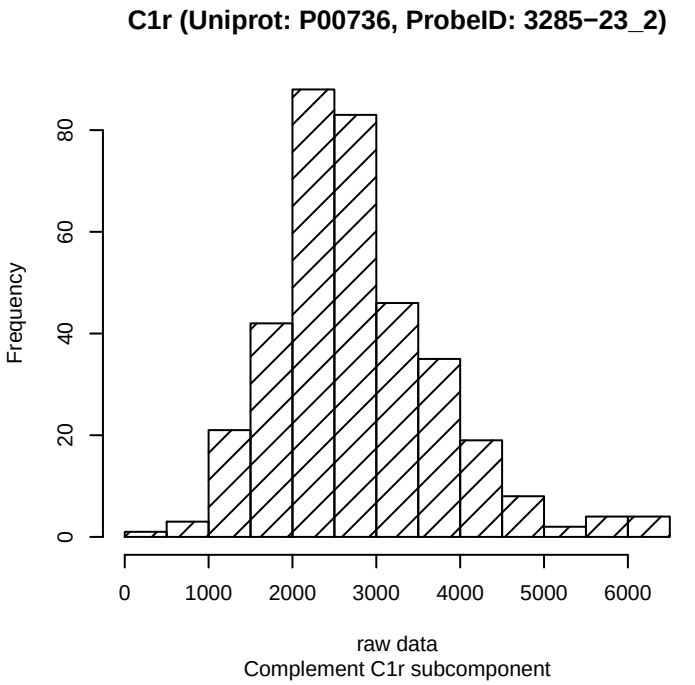

Factor H (Uniprot: P08603, ProbeID: 4159−130_1)
raw data
A/A (99)
A/G (156)
G/G (95)
rs2274700 (Chr1:196682947)
Locus 111 top sentinel (tags KORA rs10737680), p=2.9e−13

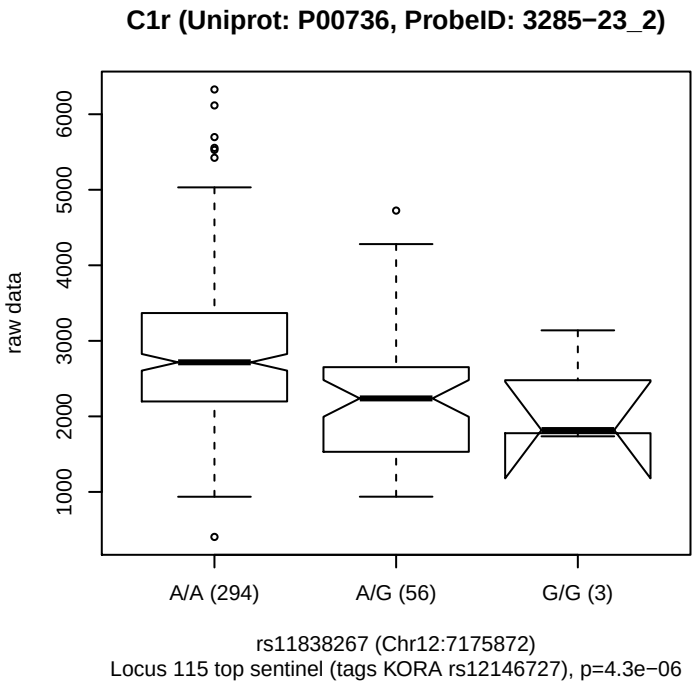

Factor H (Uniprot: P08603, ProbeID: 4159−130_1)
Frequency
log2−scaled data
Complement factor H

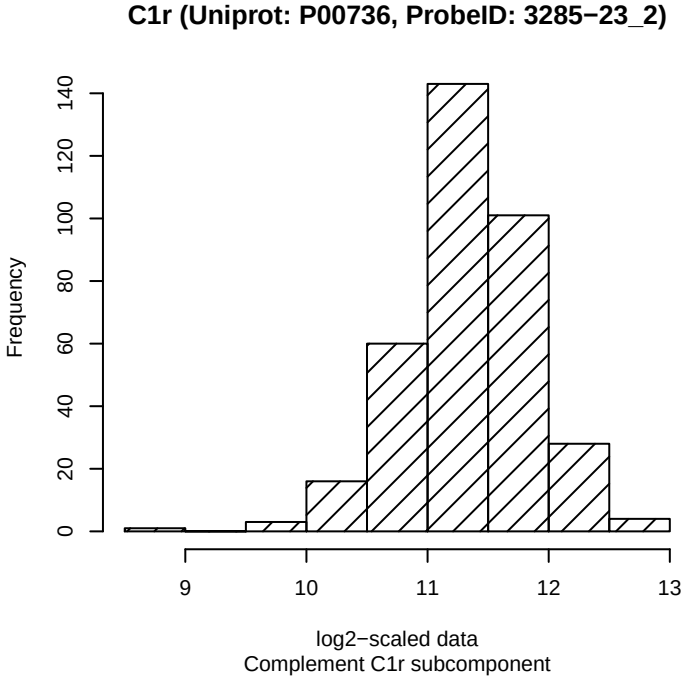

Factor H (Uniprot: P08603, ProbeID: 4159−130_1)
log2−scaled data
A/A (99)
A/G (156)
G/G (95)
rs2274700 (Chr1:196682947)
Locus 111 top sentinel (tags KORA rs10737680), p=4.4e−13, FC=−1.0617

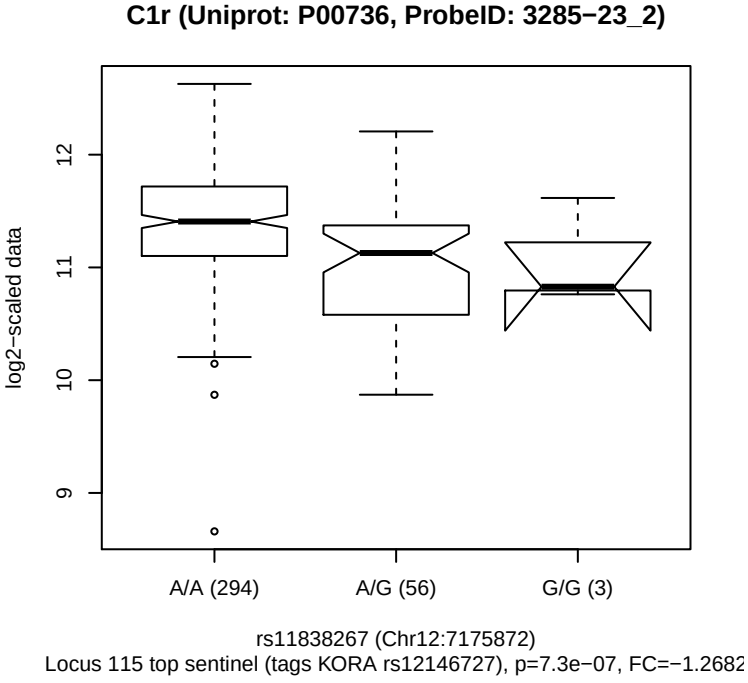

Factor H (Uniprot: P08603, ProbeID: 4159−130_1)
Frequency
invnorm data
Complement factor H

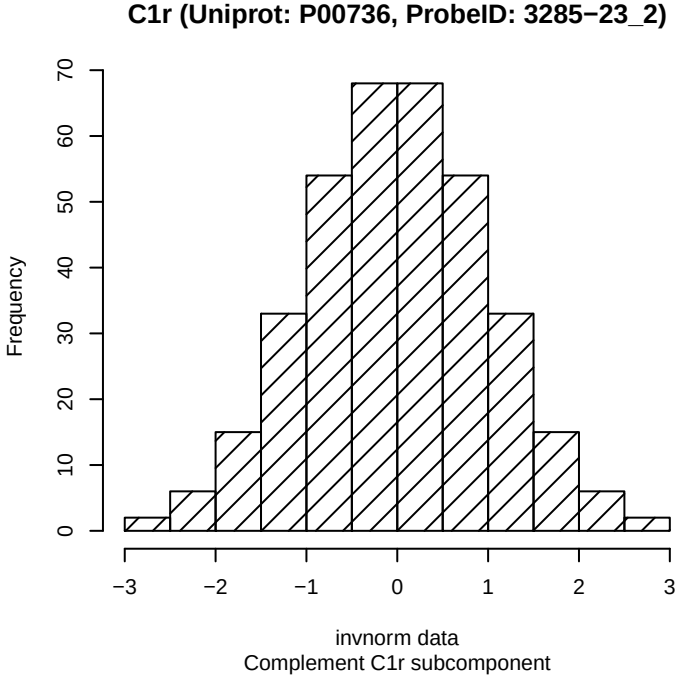

Factor H (Uniprot: P08603, ProbeID: 4159−130_1)
invnorm data
A/A (99)
A/G (156)
G/G (95)
rs2274700 (Chr1:196682947)
Locus 111 top sentinel (tags KORA rs10737680), p=2.8e−13

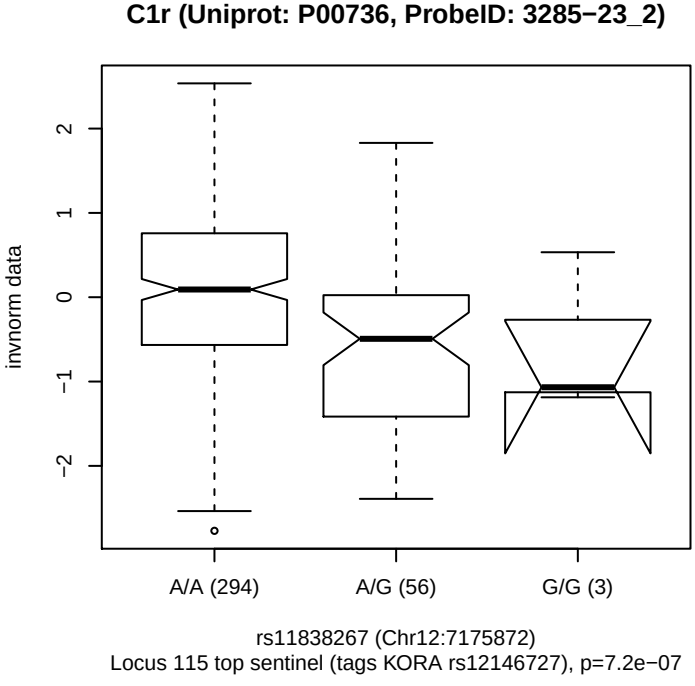

C1r (Uniprot: P00736, ProbeID: 3285−23_2)
Frequency
0
20
40
60
80
0
1000
2000
3000
4000
5000
6000
raw data
Complement C1r subcomponent

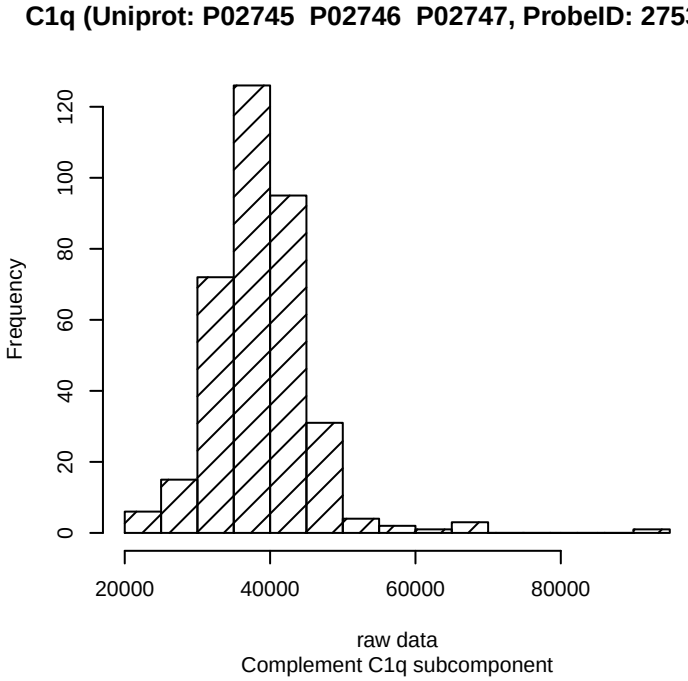

C1r (Uniprot: P00736, ProbeID: 3285−23_2)
raw data
1000
2000
3000
4000
5000
6000
A/A (294)
A/G (56)
G/G (3)
rs11838267 (Chr12:7175872)
Locus 115 top sentinel (tags KORA rs12146727), p=4.3e−06

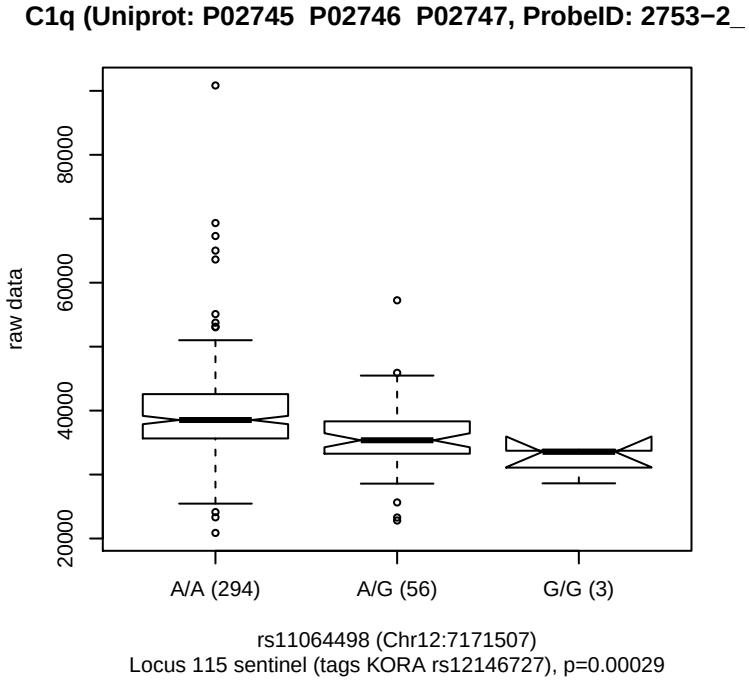

C1r (Uniprot: P00736, ProbeID: 3285−23_2)
Frequency
0
20
40
60
80
100
120
140
9
10
11
12
13
log2−scaled data
Complement C1r subcomponent

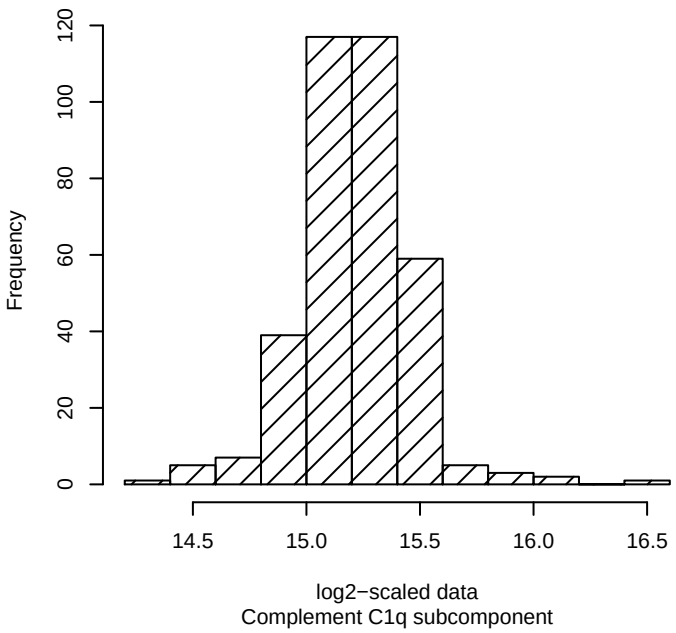

C1r (Uniprot: P00736, ProbeID: 3285−23_2)
log2−scaled data
9
10
11
12
A/A (294)
A/G (56)
G/G (3)
rs11838267 (Chr12:7175872)
Locus 115 top sentinel (tags KORA rs12146727), p=7.3e−07, FC=−1.2682

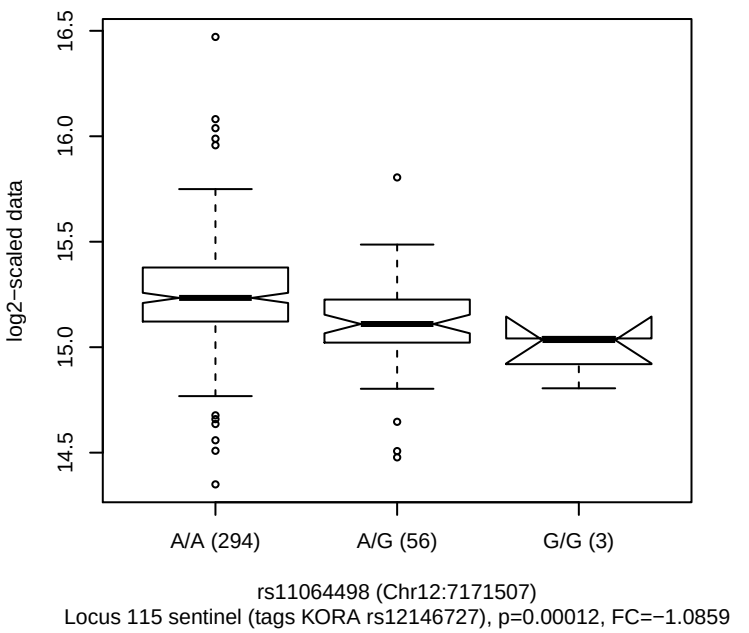

C1r (Uniprot: P00736, ProbeID: 3285−23_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Complement C1r subcomponent

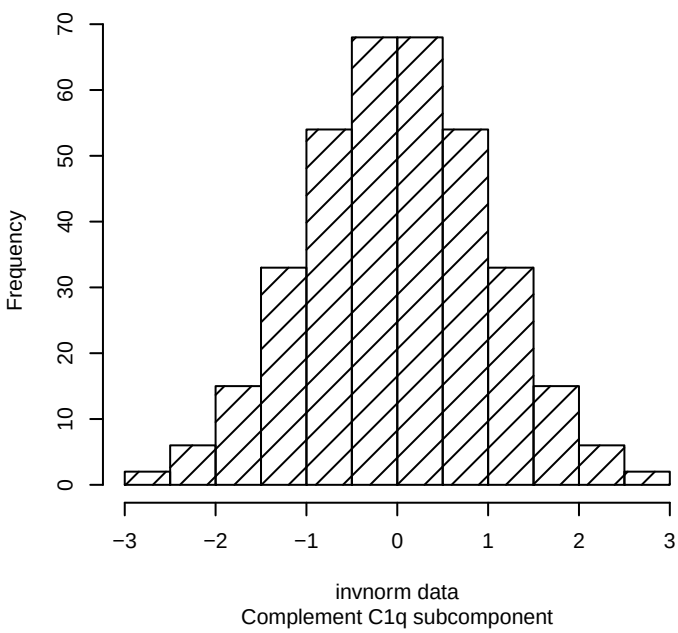

C1r (Uniprot: P00736, ProbeID: 3285−23_2)
invnorm data
−2
−1
0
1
2
A/A (294)
A/G (56)
G/G (3)
rs11838267 (Chr12:7175872)
Locus 115 top sentinel (tags KORA rs12146727), p=7.2e−07

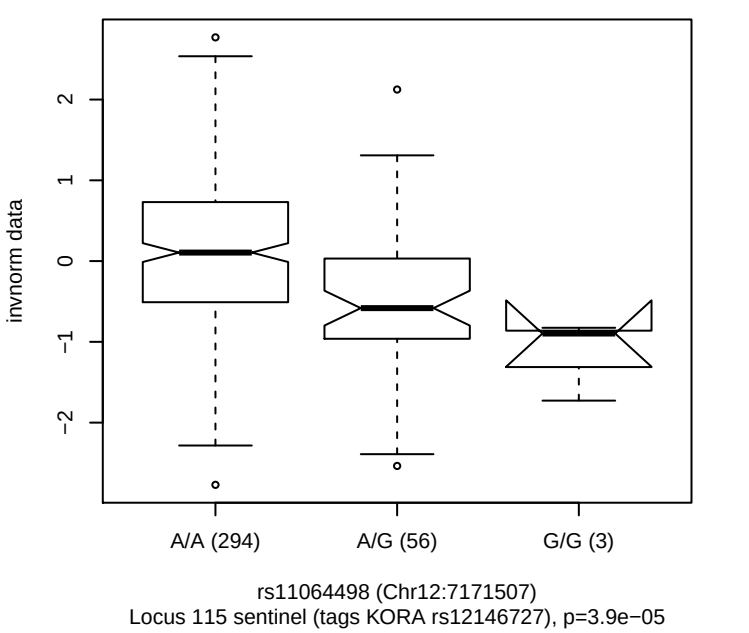

C1q (Uniprot: P02745 P02746 P02747, ProbeID: 2753−2_
Frequency
0
20
40
60
80
100
120
20000
40000
60000
80000
raw data
Complement C1q subcomponent

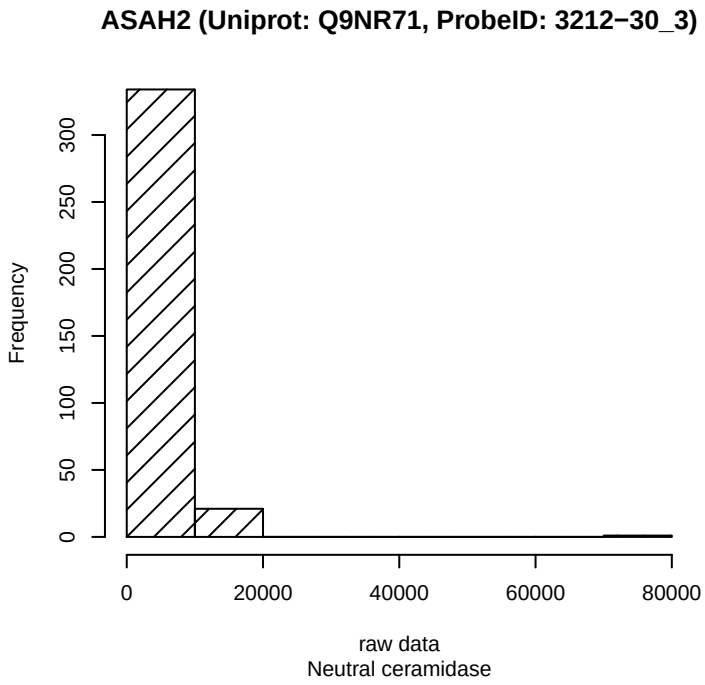

C1q (Uniprot: P02745 P02746 P02747, ProbeID: 2753−2_
raw data
20000
40000
60000
80000
A/A (294)
A/G (56)
G/G (3)
rs11064498 (Chr12:7171507)
Locus 115 sentinel (tags KORA rs12146727), p=0.00029

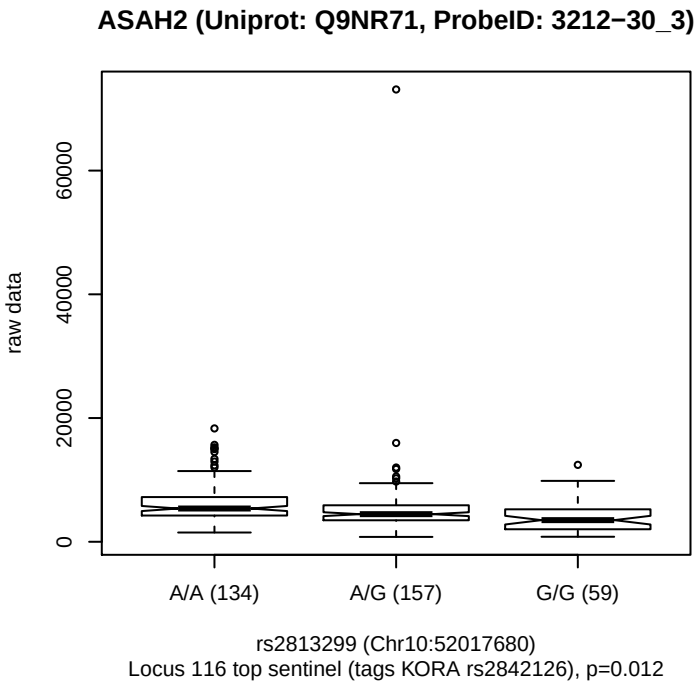

C1q (Uniprot: P02745 P02746 P02747, ProbeID: 2753−2_
Frequency
0
20
40
60
80
100
120
14.5
15.0
15.5
16.0
16.5
log2−scaled data
Complement C1q subcomponent

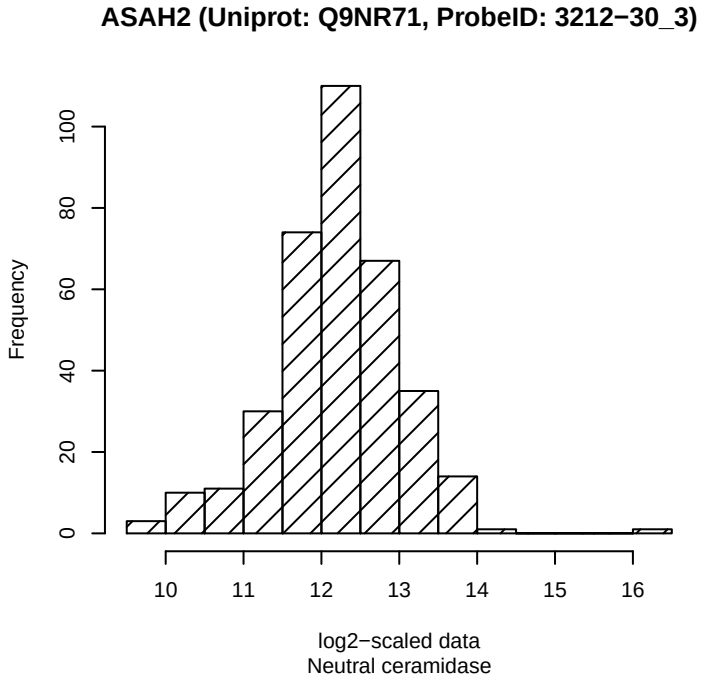

C1q (Uniprot: P02745 P02746 P02747, ProbeID: 2753−2_
log2−scaled data
14.5
15.0
15.5
16.0
16.5
A/A (294)
A/G (56)
G/G (3)
rs11064498 (Chr12:7171507)
Locus 115 sentinel (tags KORA rs12146727), p=0.00012, FC=−1.0859

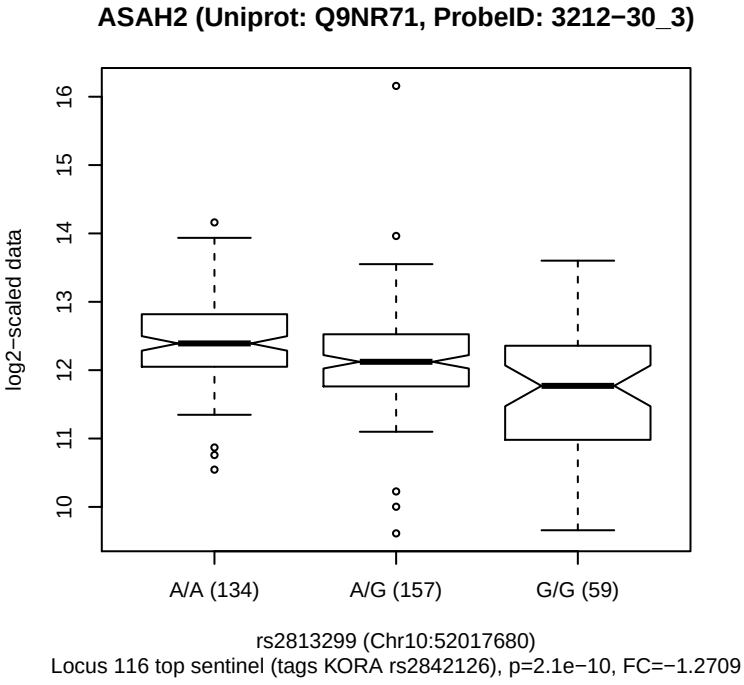

C1q (Uniprot: P02745 P02746 P02747, ProbeID: 2753−2_
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Complement C1q subcomponent

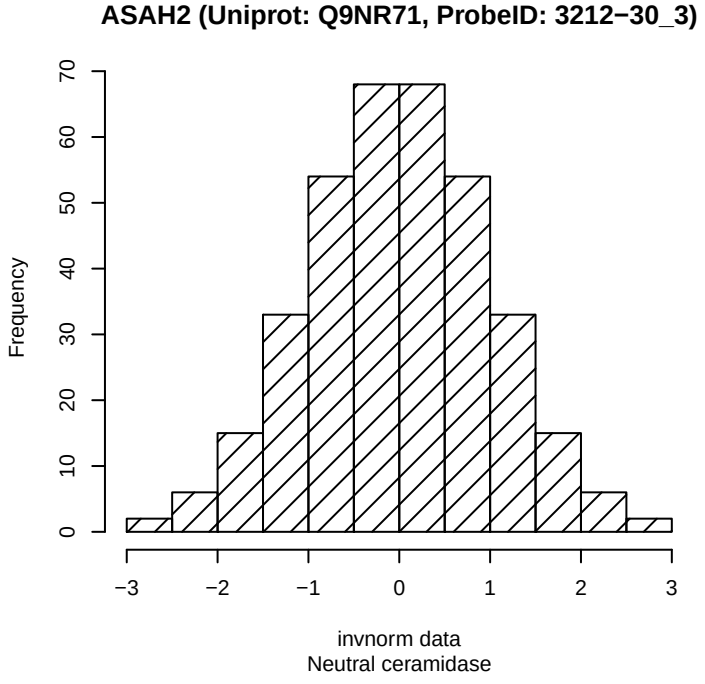

C1q (Uniprot: P02745 P02746 P02747, ProbeID: 2753−2_
invnorm data
−2
−1
0
1
2
A/A (294)
A/G (56)
G/G (3)
rs11064498 (Chr12:7171507)
Locus 115 sentinel (tags KORA rs12146727), p=3.9e−05

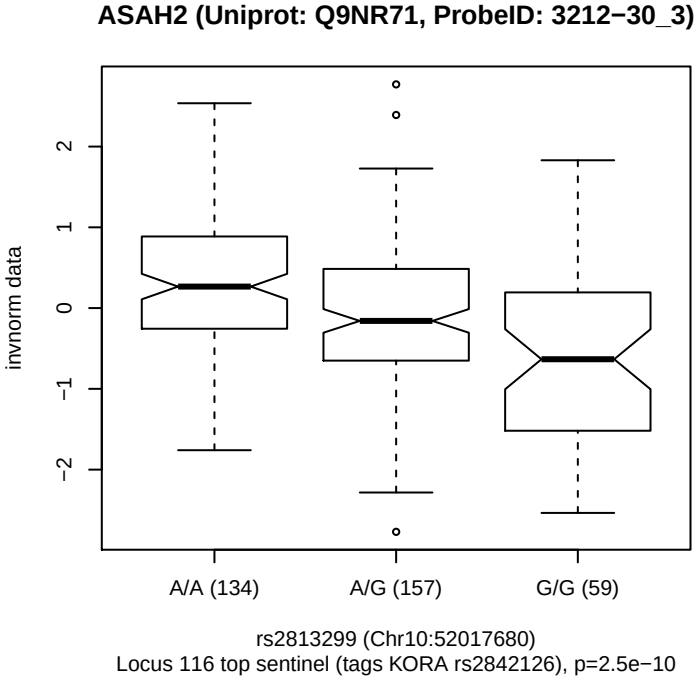

ASAH2 (Uniprot: Q9NR71, ProbeID: 3212−30_3)
Frequency
0
50
100
150
200
250
300
0
20000
40000
60000
80000
raw data
Neutral ceramidase

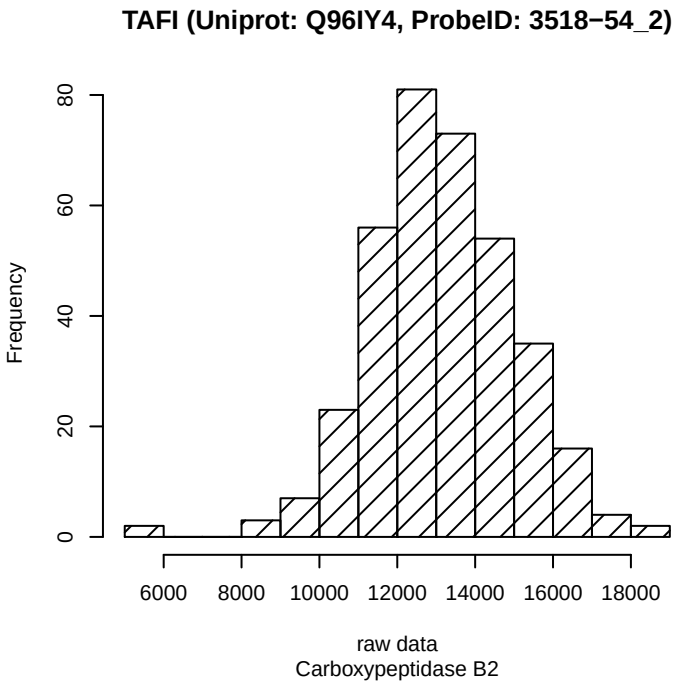

ASAH2 (Uniprot: Q9NR71, ProbeID: 3212−30_3)
raw data
0
20000
40000
60000
A/A (134)
A/G (157)
G/G (59)
rs2813299 (Chr10:52017680)
Locus 116 top sentinel (tags KORA rs2842126), p=0.012

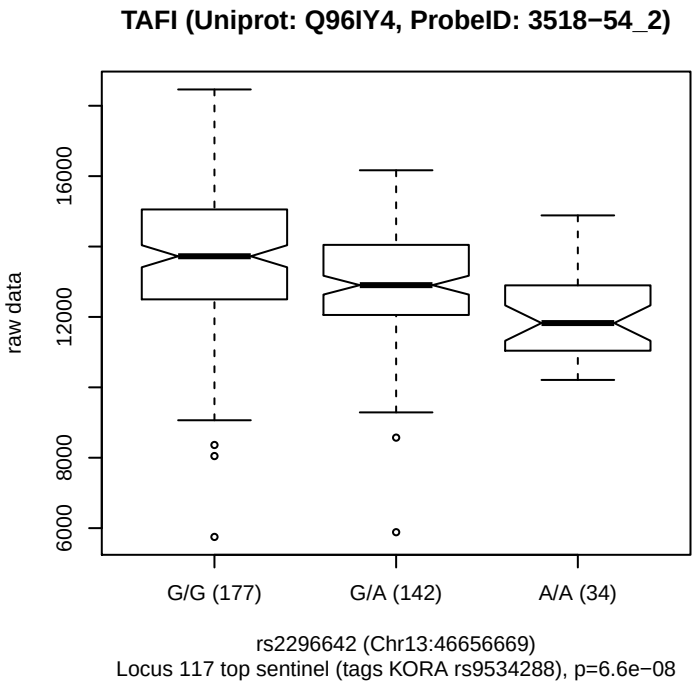

ASAH2 (Uniprot: Q9NR71, ProbeID: 3212−30_3)
Frequency
0
20
40
60
80
100
10
11
12
13
14
15
16
log2−scaled data
Neutral ceramidase

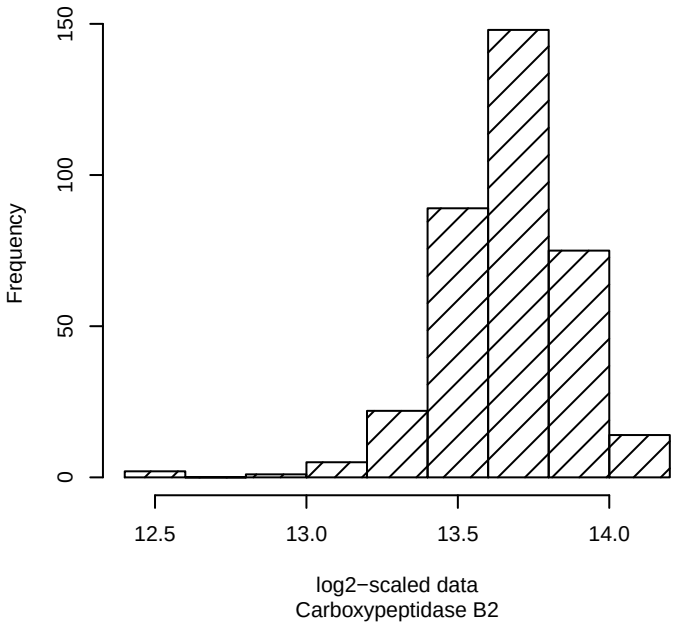

ASAH2 (Uniprot: Q9NR71, ProbeID: 3212−30_3)
log2−scaled data
10
11
12
13
14
15
16
A/A (134)
A/G (157)
G/G (59)
rs2813299 (Chr10:52017680)
Locus 116 top sentinel (tags KORA rs2842126), p=2.1e−10, FC=−1.2709

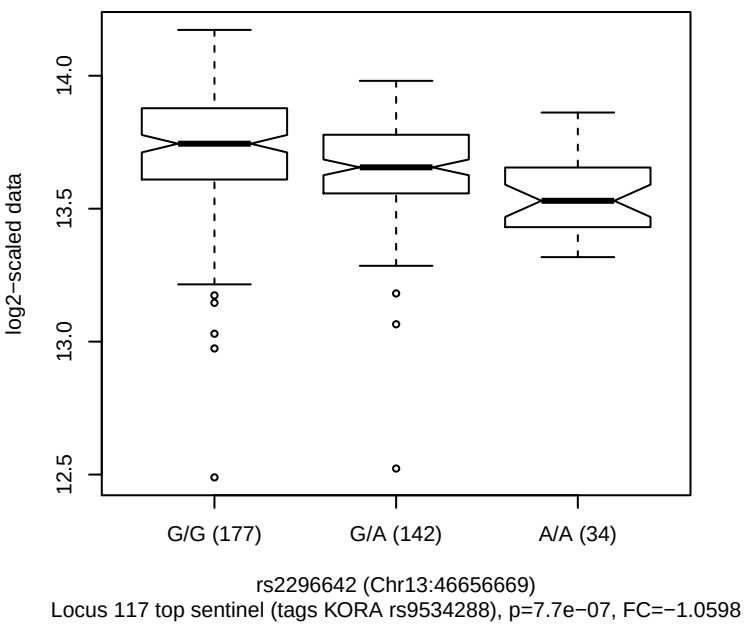

ASAH2 (Uniprot: Q9NR71, ProbeID: 3212−30_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Neutral ceramidase

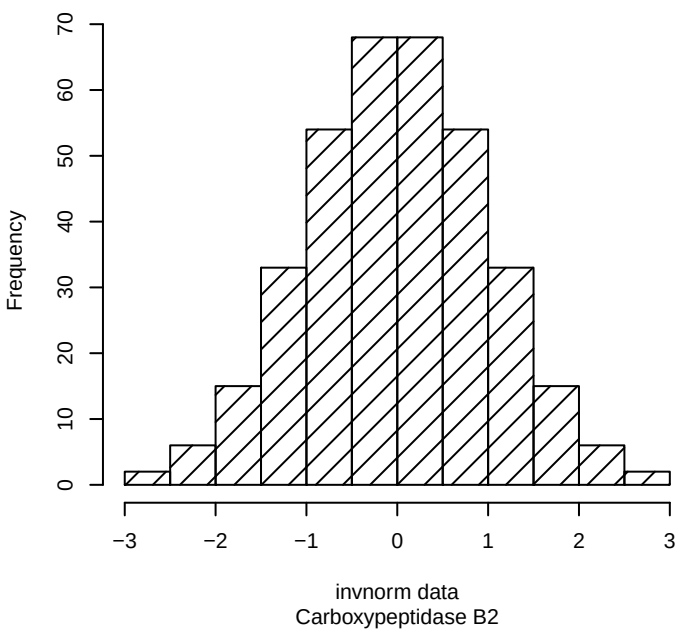

ASAH2 (Uniprot: Q9NR71, ProbeID: 3212−30_3)
invnorm data
−2
−1
0
1
2
A/A (134)
A/G (157)
G/G (59)
rs2813299 (Chr10:52017680)
Locus 116 top sentinel (tags KORA rs2842126), p=2.5e−10

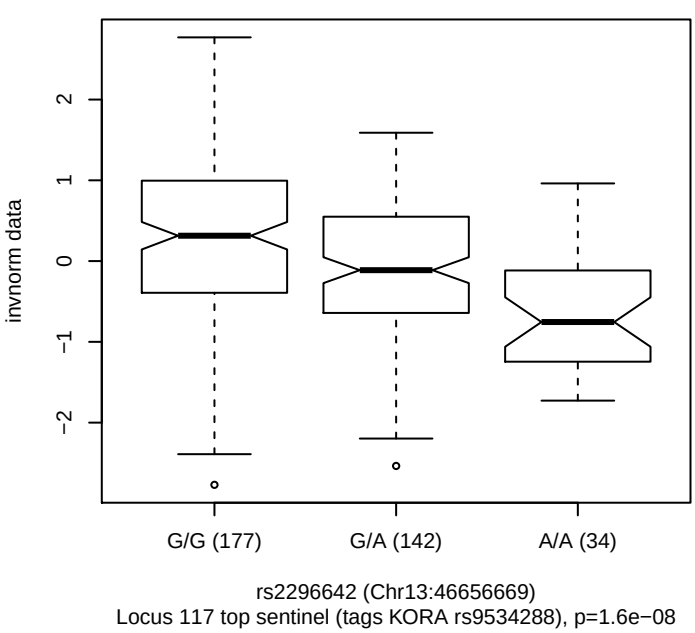

TAFI (Uniprot: Q96IY4, ProbeID: 3518−54_2)
Frequency
0
20
40
60
80
6000
8000
10000
12000
14000
16000
18000
raw data
Carboxypeptidase B2

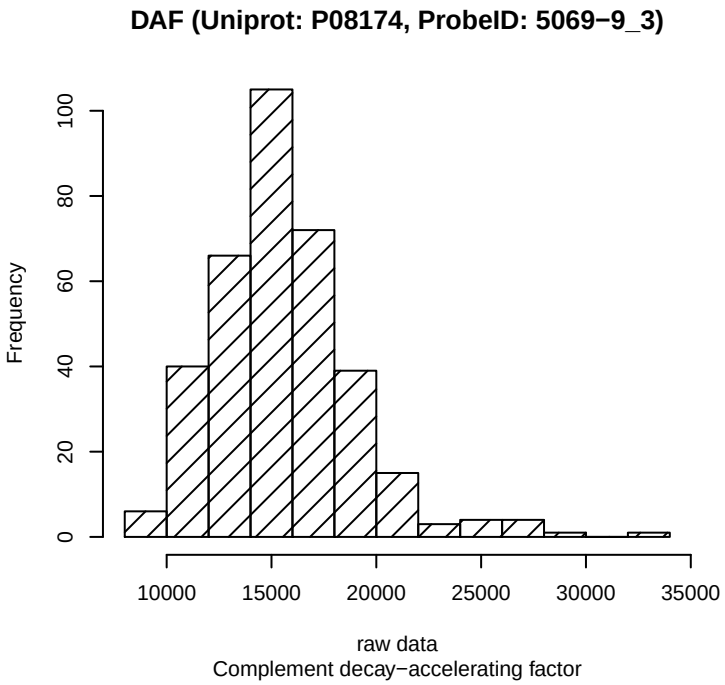

TAFI (Uniprot: Q96IY4, ProbeID: 3518−54_2)
raw data
6000
8000
12000
16000
G/G (177)
G/A (142)
A/A (34)
rs2296642 (Chr13:46656669)
Locus 117 top sentinel (tags KORA rs9534288), p=6.6e−08

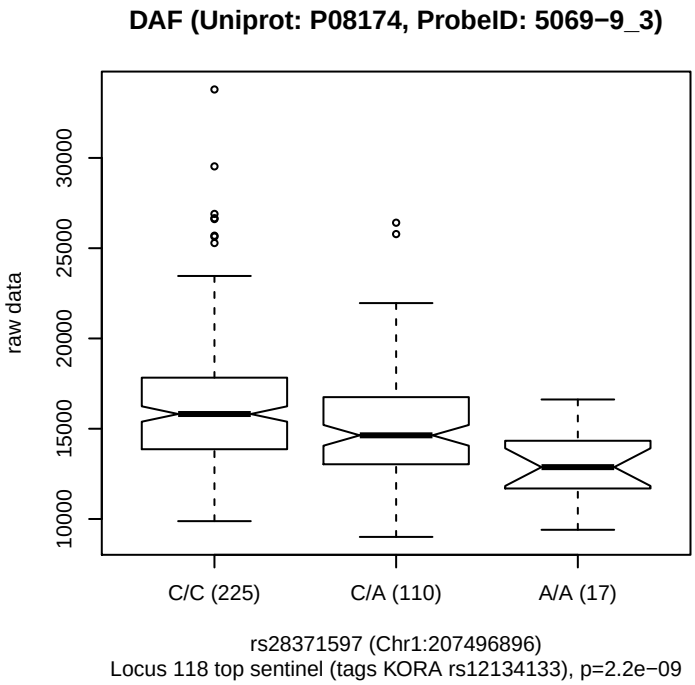

TAFI (Uniprot: Q96IY4, ProbeID: 3518−54_2)
Frequency
0
50
100
150
12.5
13.0
13.5
14.0
log2−scaled data
Carboxypeptidase B2

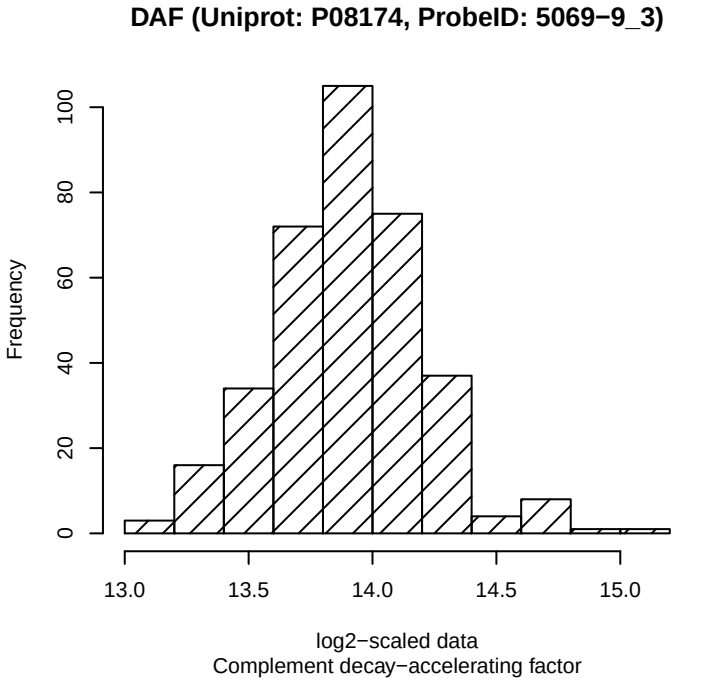

TAFI (Uniprot: Q96IY4, ProbeID: 3518−54_2)
log2−scaled data
12.5
13.0
13.5
14.0
G/G (177)
G/A (142)
A/A (34)
rs2296642 (Chr13:46656669)
Locus 117 top sentinel (tags KORA rs9534288), p=7.7e−07, FC=−1.0598

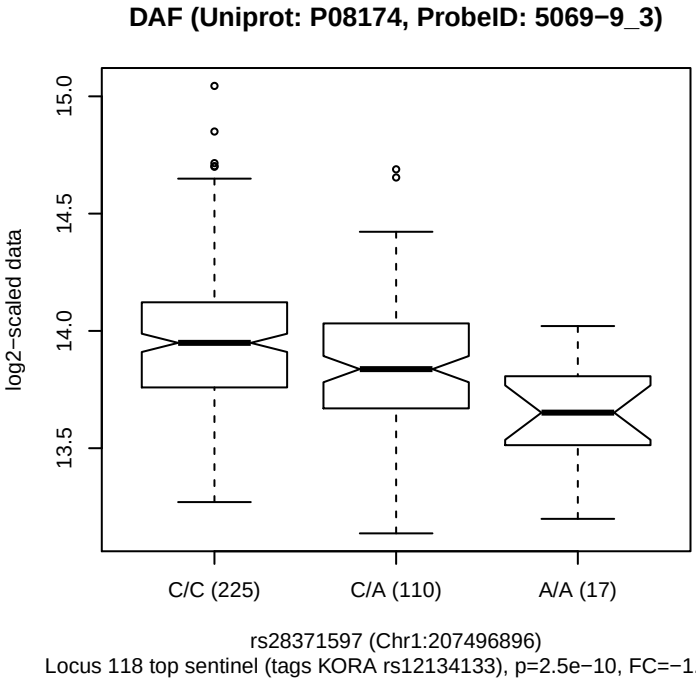

TAFI (Uniprot: Q96IY4, ProbeID: 3518−54_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Carboxypeptidase B2

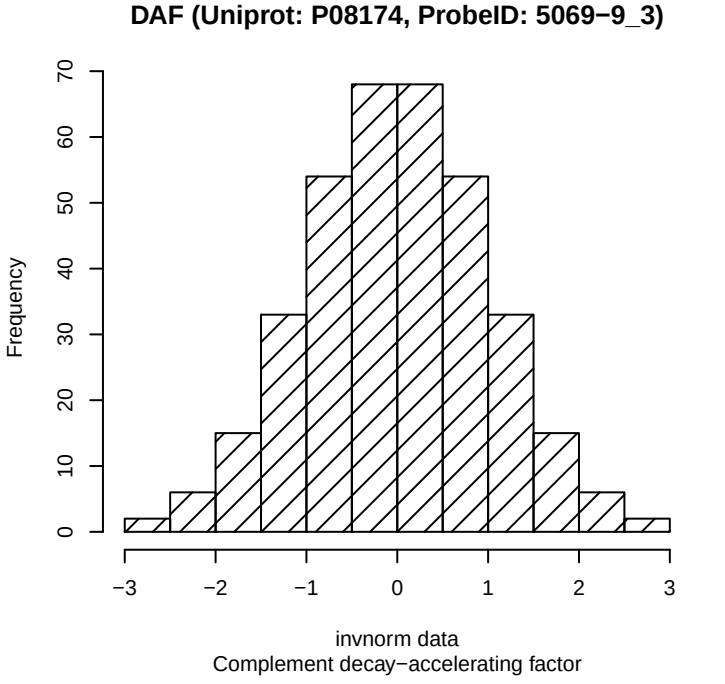

TAFI (Uniprot: Q96IY4, ProbeID: 3518−54_2)
invnorm data
−2
−1
0
1
2
G/G (177)
G/A (142)
A/A (34)
rs2296642 (Chr13:46656669)
Locus 117 top sentinel (tags KORA rs9534288), p=1.6e−08

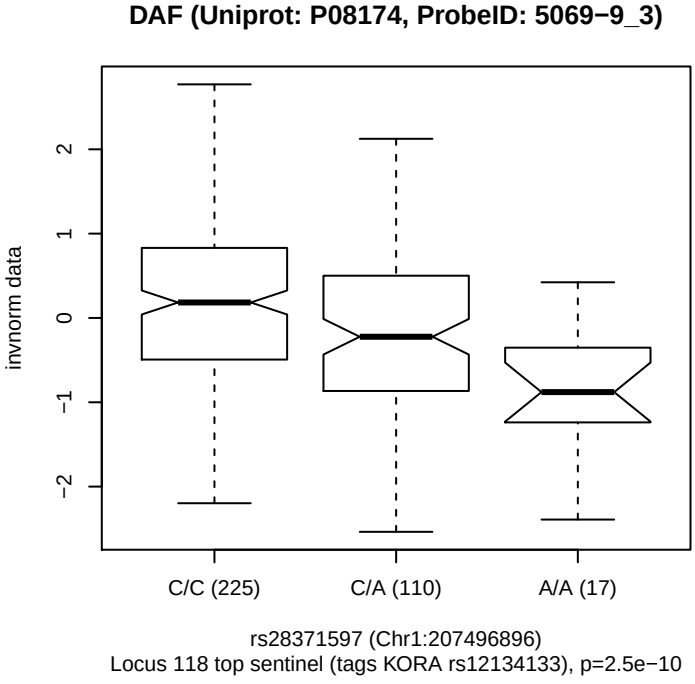

DAF (Uniprot: P08174, ProbeID: 5069−9_3)
Frequency
0
20
40
60
80
100
10000
15000
20000
25000
30000
35000
raw data
Complement decay−accelerating factor

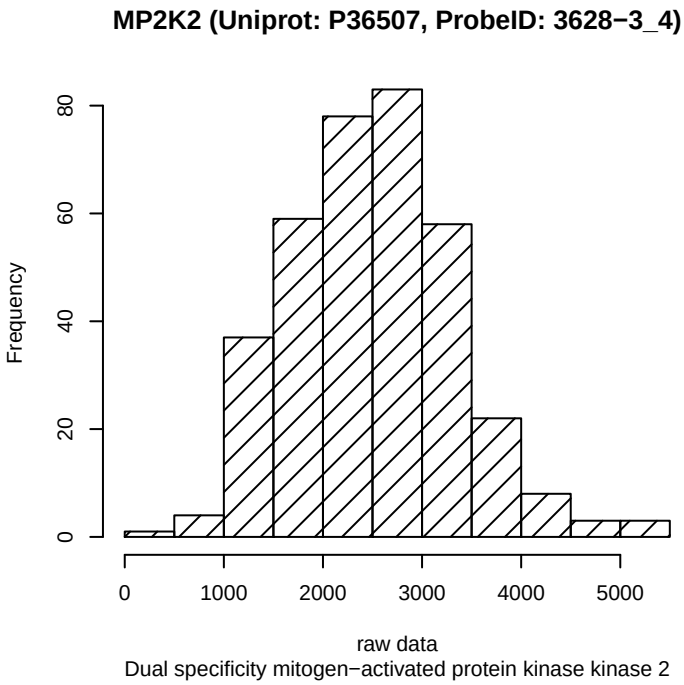

DAF (Uniprot: P08174, ProbeID: 5069−9_3)
raw data
10000
15000
20000
25000
30000
C/C (225)
C/A (110)
A/A (17)
rs28371597 (Chr1:207496896)
Locus 118 top sentinel (tags KORA rs12134133), p=2.2e−09

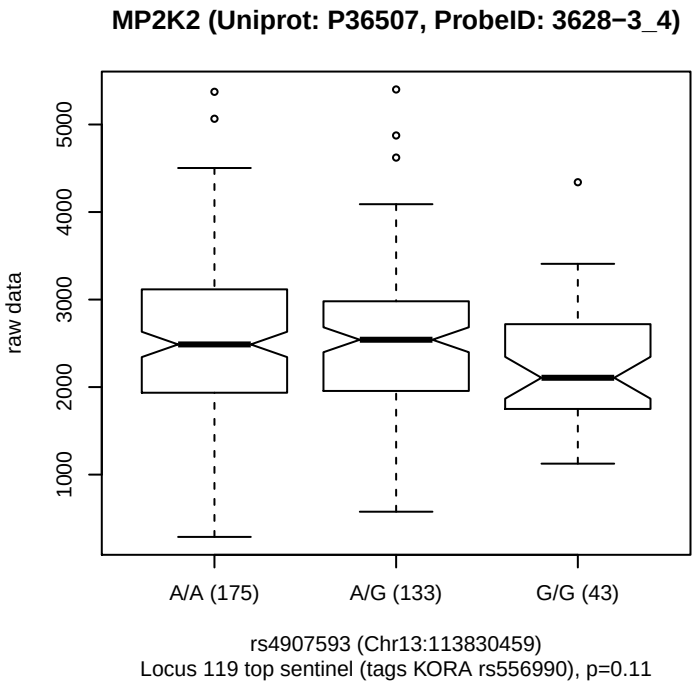

DAF (Uniprot: P08174, ProbeID: 5069−9_3)
Frequency
0
20
40
60
80
100
13.0
13.5
14.0
14.5
15.0
log2−scaled data
Complement decay−accelerating factor

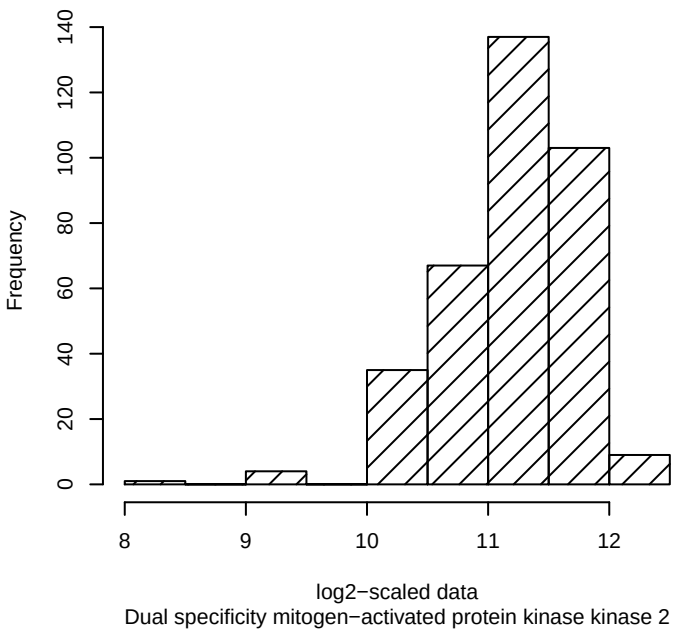

DAF (Uniprot: P08174, ProbeID: 5069−9_3)
log2−scaled data
13.5
14.0
14.5
15.0
C/C (225)
C/A (110)
A/A (17)
rs28371597 (Chr1:207496896)
Locus 118 top sentinel (tags KORA rs12134133), p=2.5e−10, FC=−1.0897

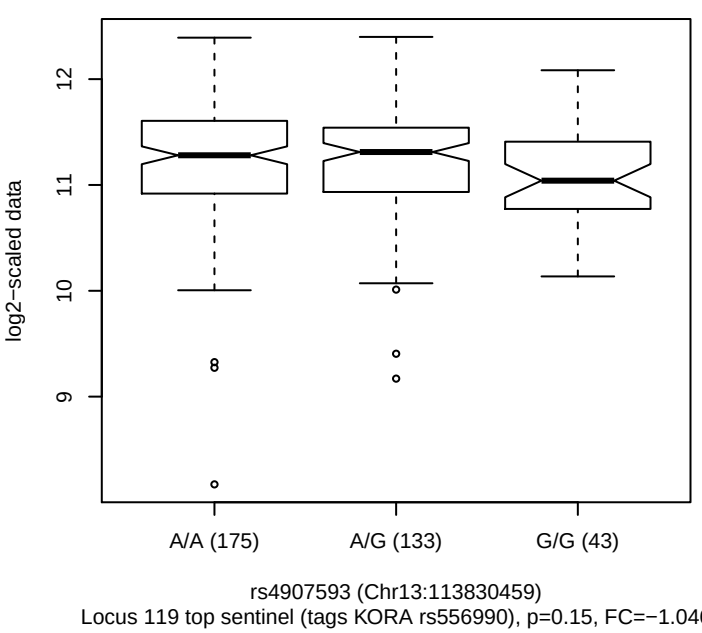

DAF (Uniprot: P08174, ProbeID: 5069−9_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Complement decay−accelerating factor

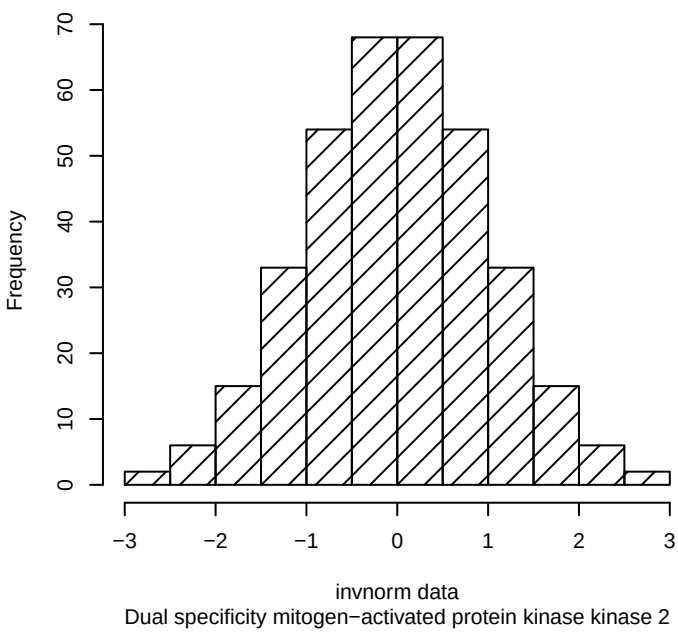

DAF (Uniprot: P08174, ProbeID: 5069−9_3)
invnorm data
−2
−1
0
1
2
C/C (225)
C/A (110)
A/A (17)
rs28371597 (Chr1:207496896)
Locus 118 top sentinel (tags KORA rs12134133), p=2.5e−10

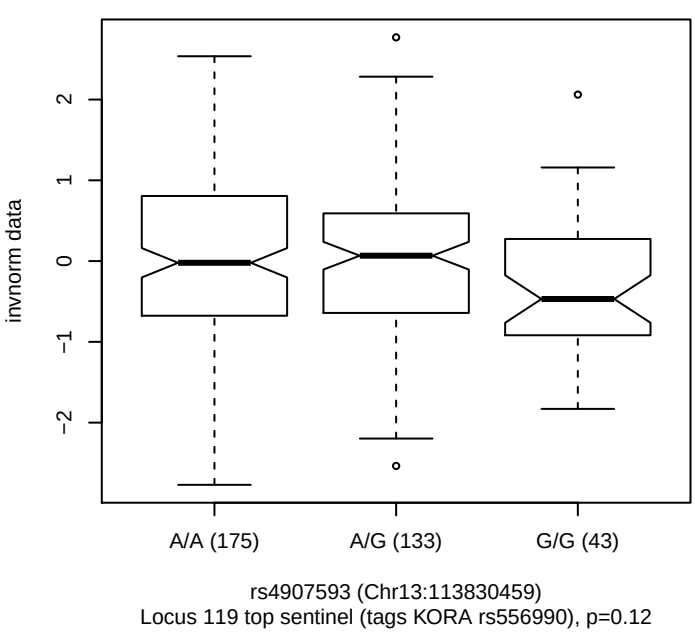

MP2K2 (Uniprot: P36507, ProbeID: 3628−3_4)
Frequency
0
20
40
60
80
0
1000
2000
3000
4000
5000
raw data
Dual specificity mitogen−activated protein kinase kinase 2

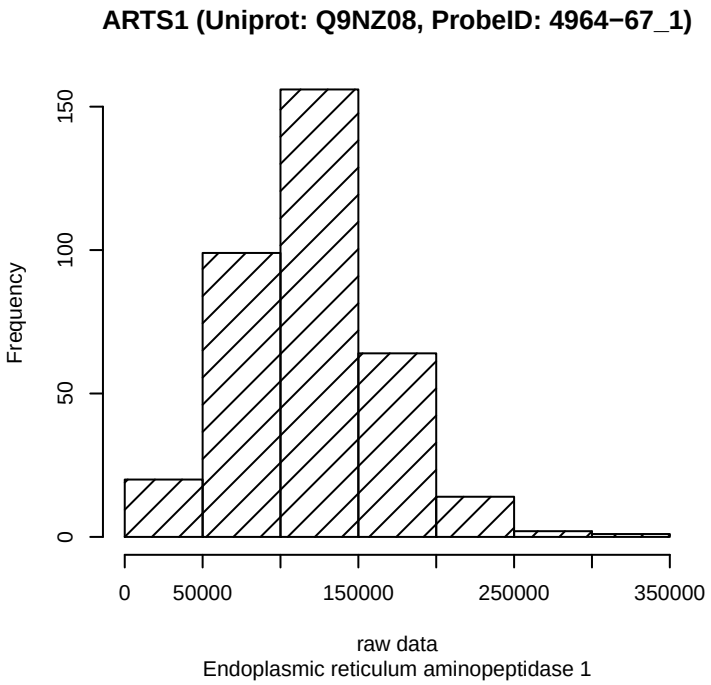

MP2K2 (Uniprot: P36507, ProbeID: 3628−3_4)
raw data
1000
2000
3000
4000
5000
A/A (175)
A/G (133)
G/G (43)
rs4907593 (Chr13:113830459)
Locus 119 top sentinel (tags KORA rs556990), p=0.11

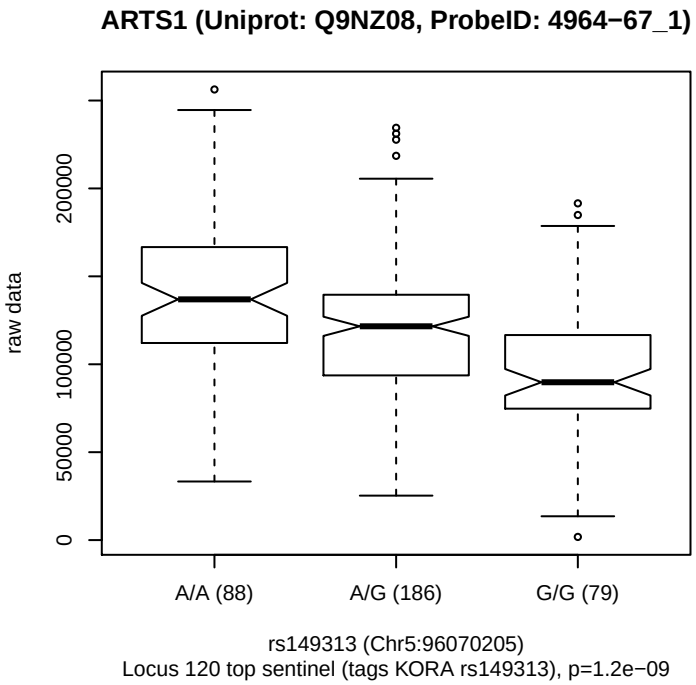

MP2K2 (Uniprot: P36507, ProbeID: 3628−3_4)
Frequency
0
20
40
60
80
100
120
140
8
9
10
11
12
log2−scaled data
Dual specificity mitogen−activated protein kinase kinase 2

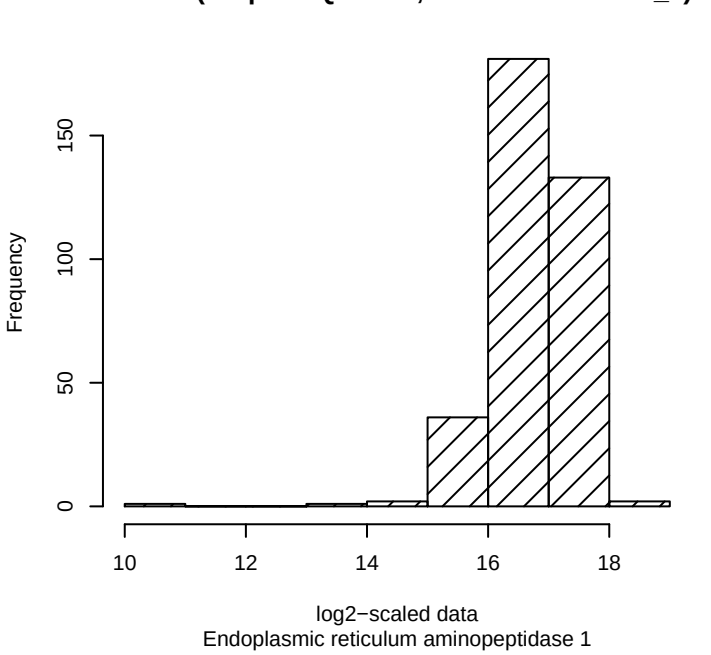

MP2K2 (Uniprot: P36507, ProbeID: 3628−3_4)
log2−scaled data
9
10
11
12
A/A (175)
A/G (133)
G/G (43)
rs4907593 (Chr13:113830459)
Locus 119 top sentinel (tags KORA rs556990), p=0.15, FC=−1.046

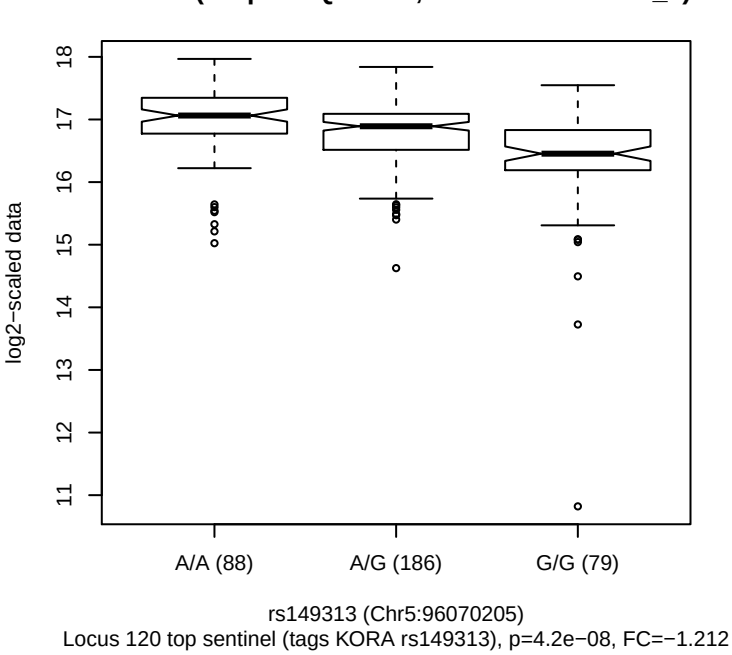

MP2K2 (Uniprot: P36507, ProbeID: 3628−3_4)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Dual specificity mitogen−activated protein kinase kinase 2

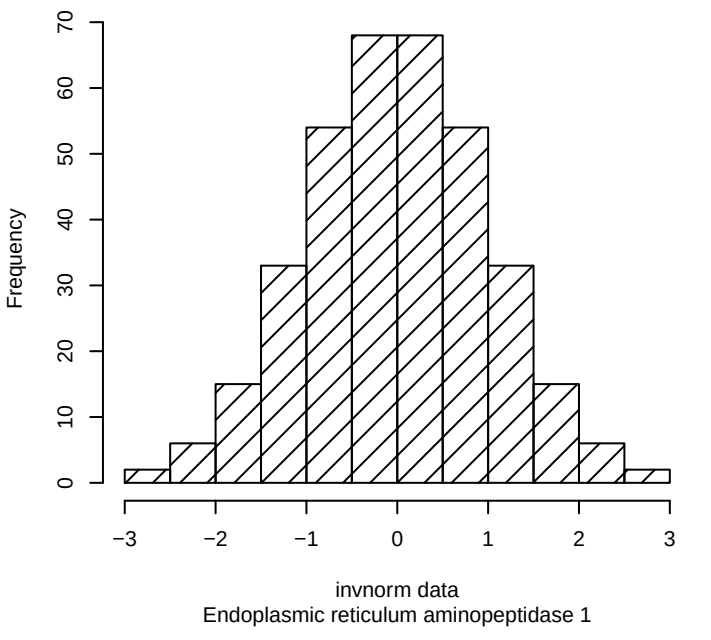

MP2K2 (Uniprot: P36507, ProbeID: 3628−3_4)
invnorm data
−2
−1
0
1
2
A/A (175)
A/G (133)
G/G (43)
rs4907593 (Chr13:113830459)
Locus 119 top sentinel (tags KORA rs556990), p=0.12

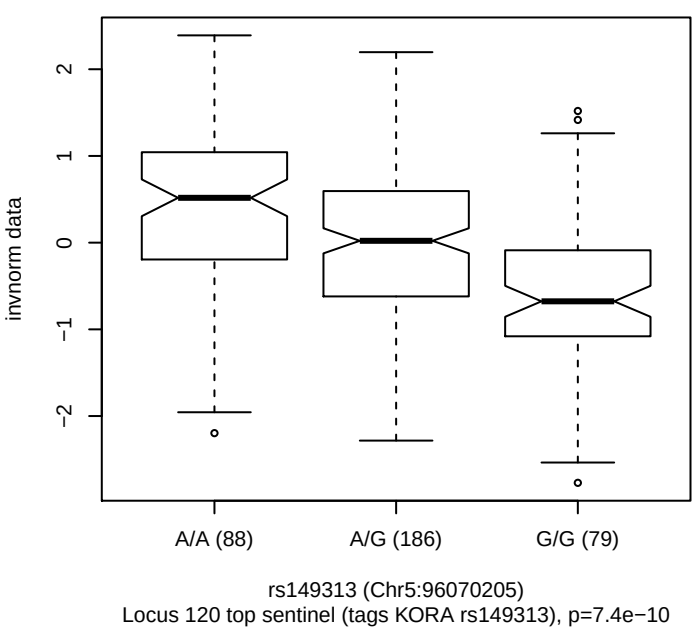

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
Frequency
0
50
100
150
0
50000
150000
250000
350000
raw data
Endoplasmic reticulum aminopeptidase 1

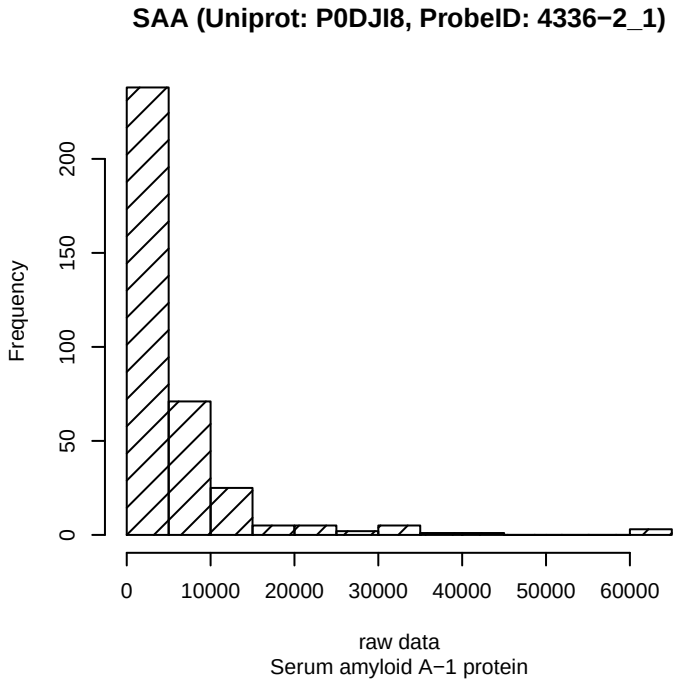

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
raw data
0
50000
100000
200000
A/A (88)
A/G (186)
G/G (79)
rs149313 (Chr5:96070205)
Locus 120 top sentinel (tags KORA rs149313), p=1.2e−09

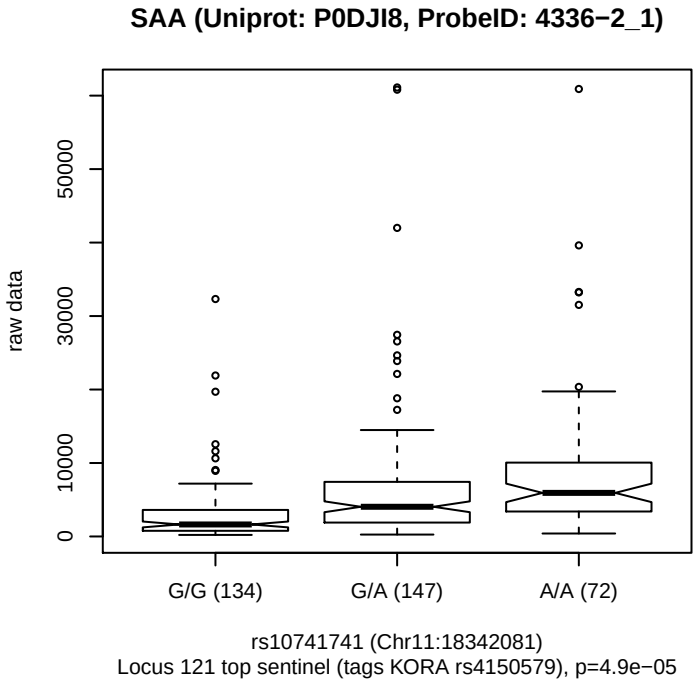

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
Frequency
0
50
100
150
10
12
14
16
18
log2−scaled data
Endoplasmic reticulum aminopeptidase 1

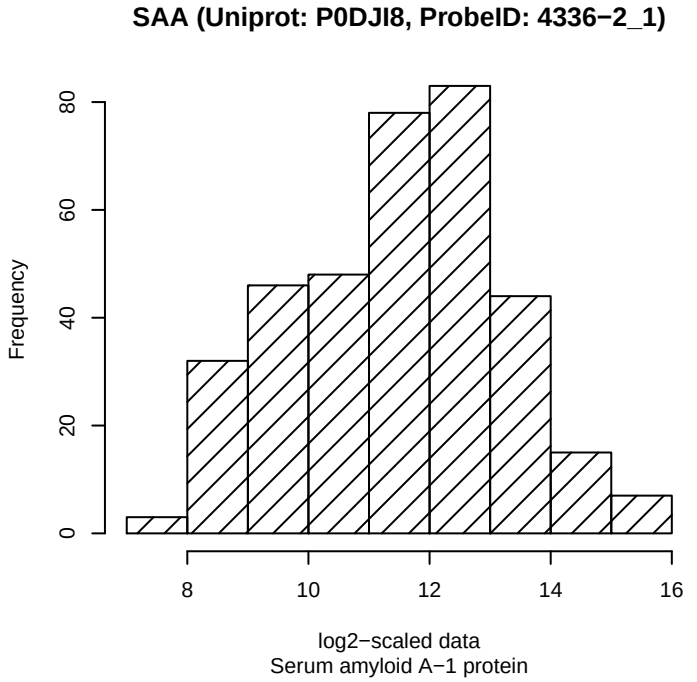

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
log2−scaled data
11
12
13
14
15
16
17
18
A/A (88)
A/G (186)
G/G (79)
rs149313 (Chr5:96070205)
Locus 120 top sentinel (tags KORA rs149313), p=4.2e−08, FC=−1.212

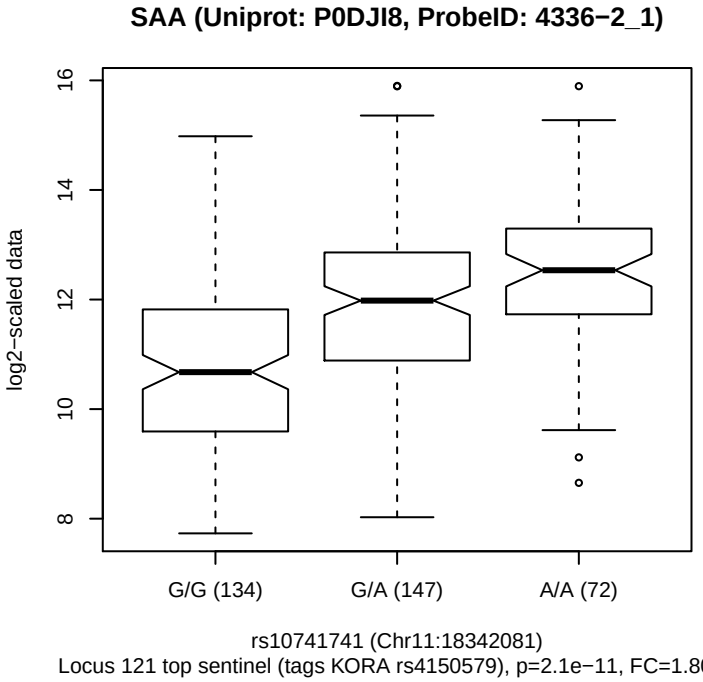

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Endoplasmic reticulum aminopeptidase 1

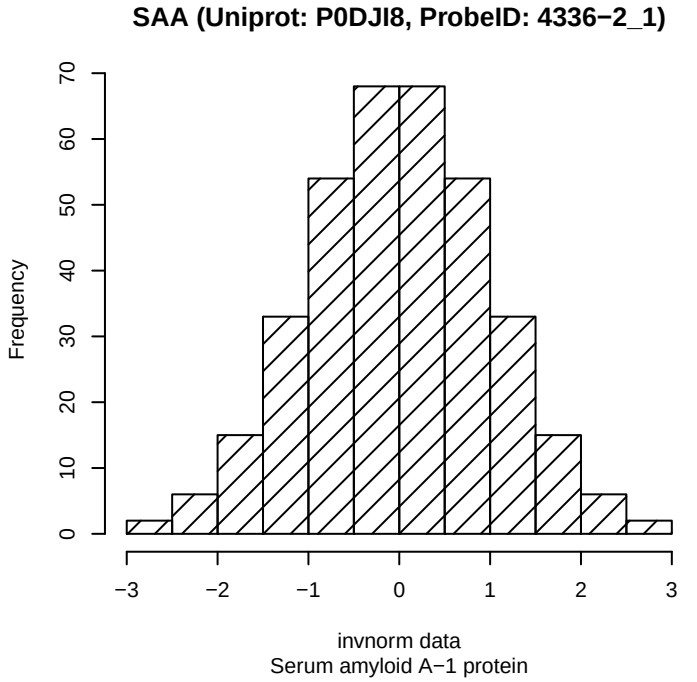

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
invnorm data
−2
−1
0
1
2
A/A (88)
A/G (186)
G/G (79)
rs149313 (Chr5:96070205)
Locus 120 top sentinel (tags KORA rs149313), p=7.4e−10

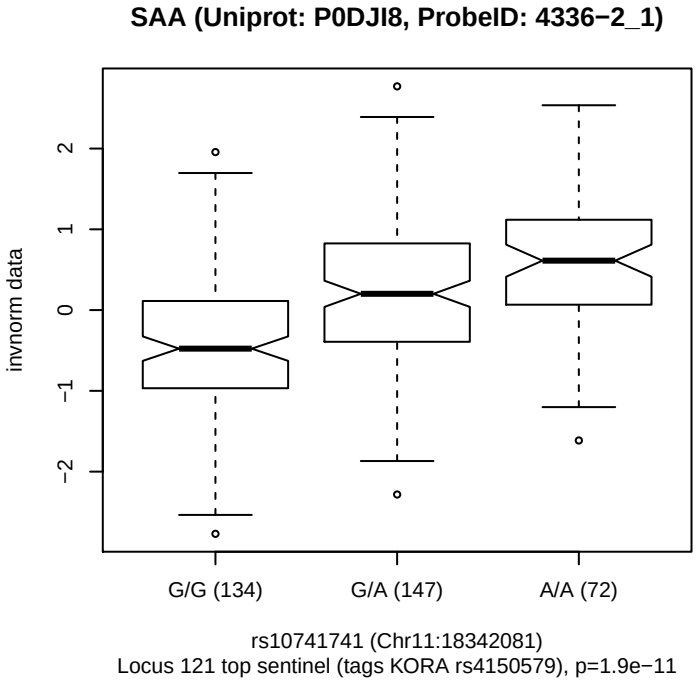

SAA (Uniprot: P0DJI8, ProbeID: 4336−2_1)
Frequency
0
50
100
150
200
0
10000
20000
30000
40000
50000
60000
raw data
Serum amyloid A−1 protein


SAA (Uniprot: P0DJI8, ProbeID: 4336−2_1)
raw data
0
10000
30000
50000
G/G (134)
G/A (147)
A/A (72)
rs10741741 (Chr11:18342081)
Locus 121 top sentinel (tags KORA rs4150579), p=4.9e−05

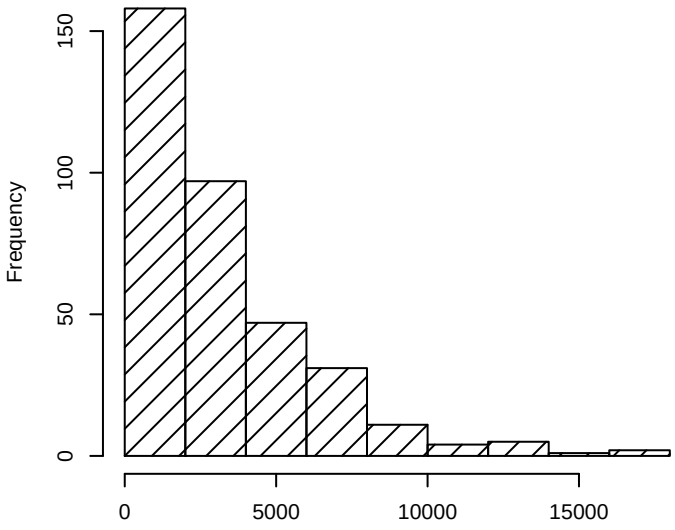

SAA (Uniprot: P0DJI8, ProbeID: 4336−2_1)
Frequency
0
20
40
60
80
8
10
12
14
16
log2−scaled data
Serum amyloid A−1 protein


SAA (Uniprot: P0DJI8, ProbeID: 4336−2_1)
log2−scaled data
8
10
12
14
16
G/G (134)
G/A (147)
A/A (72)
rs10741741 (Chr11:18342081)
Locus 121 top sentinel (tags KORA rs4150579), p=2.1e−11, FC=1.8057


SAA (Uniprot: P0DJI8, ProbeID: 4336−2_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Serum amyloid A−1 protein

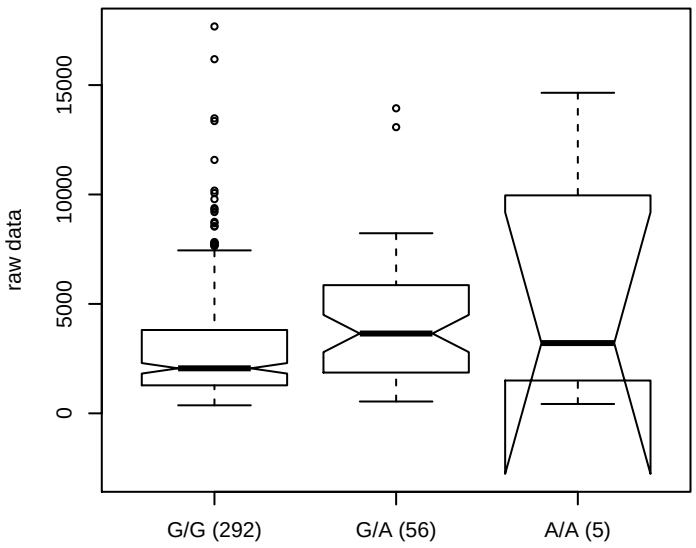

SAA (Uniprot: P0DJI8, ProbeID: 4336−2_1)
invnorm data
−2
−1
0
1
2
G/G (134)
G/A (147)
A/A (72)
rs10741741 (Chr11:18342081)
Locus 121 top sentinel (tags KORA rs4150579), p=1.9e−11

DLRB1 (Uniprot: Q9NP97, ProbeID: 3845−51_2)



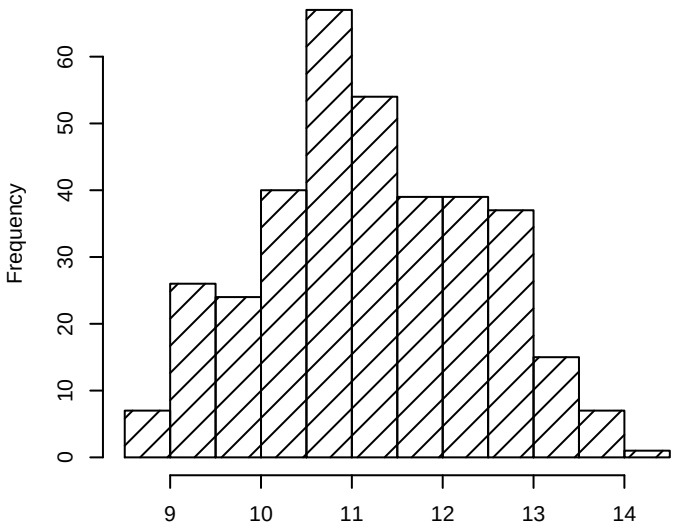
raw data
Dynein light chain roadblock−type 1

DLRB1 (Uniprot: Q9NP97, ProbeID: 3845−51_2)



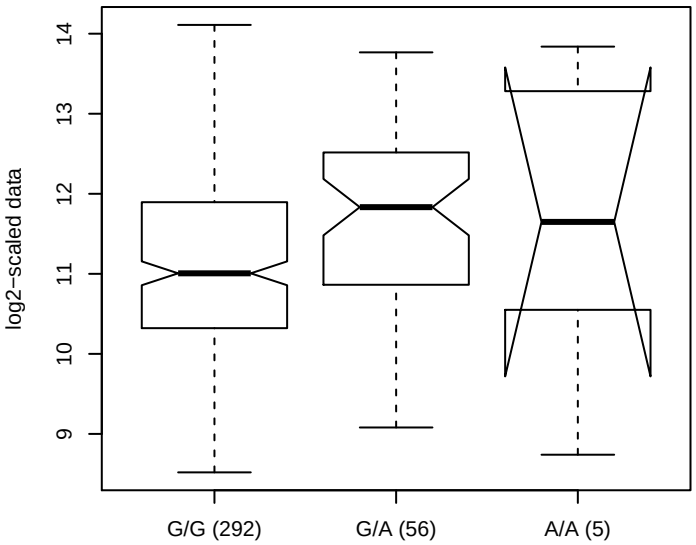
rs1339847 (Chr1:248039294)
Locus 122 top sentinel (tags KORA rs1339847), p=7.9e−09

DLRB1 (Uniprot: Q9NP97, ProbeID: 3845−51_2)



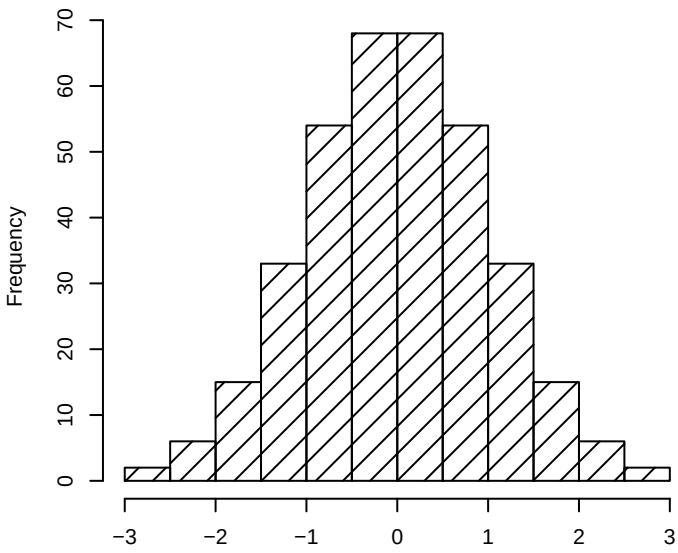
log2−scaled data
Dynein light chain roadblock−type 1

DLRB1 (Uniprot: Q9NP97, ProbeID: 3845−51_2)



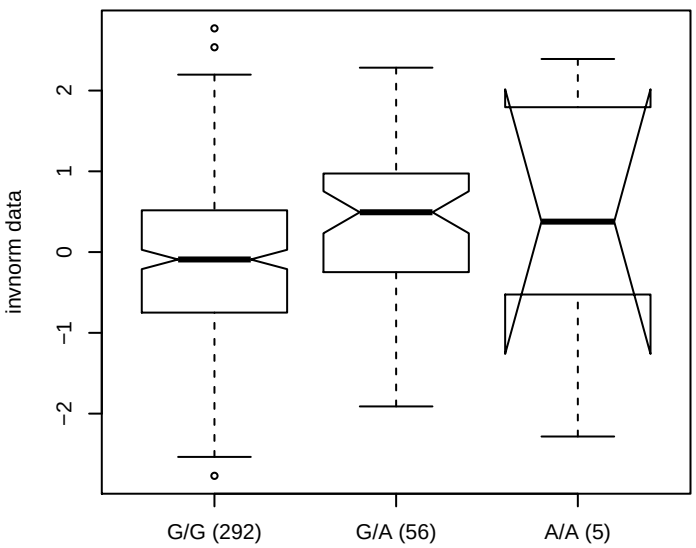
rs1339847 (Chr1:248039294)
Locus 122 top sentinel (tags KORA rs1339847), p=1.5e−06, FC=1.3262

DLRB1 (Uniprot: Q9NP97, ProbeID: 3845−51_2)

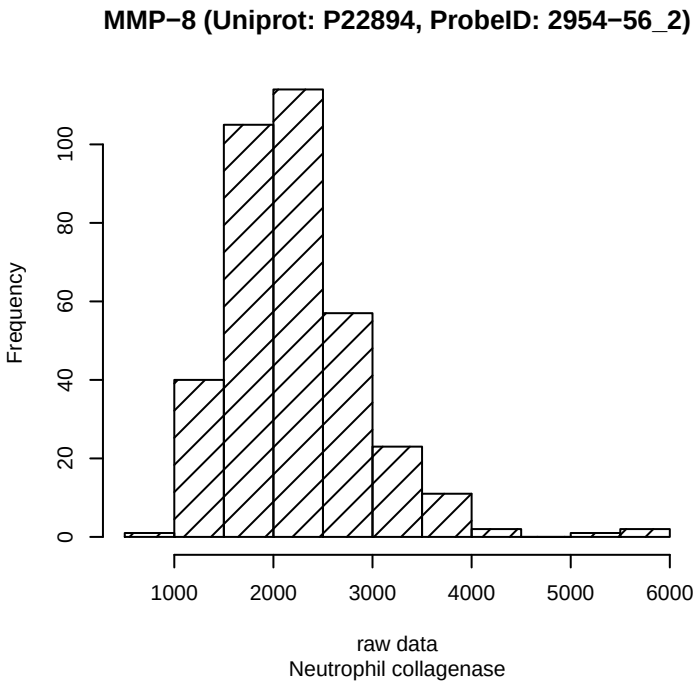


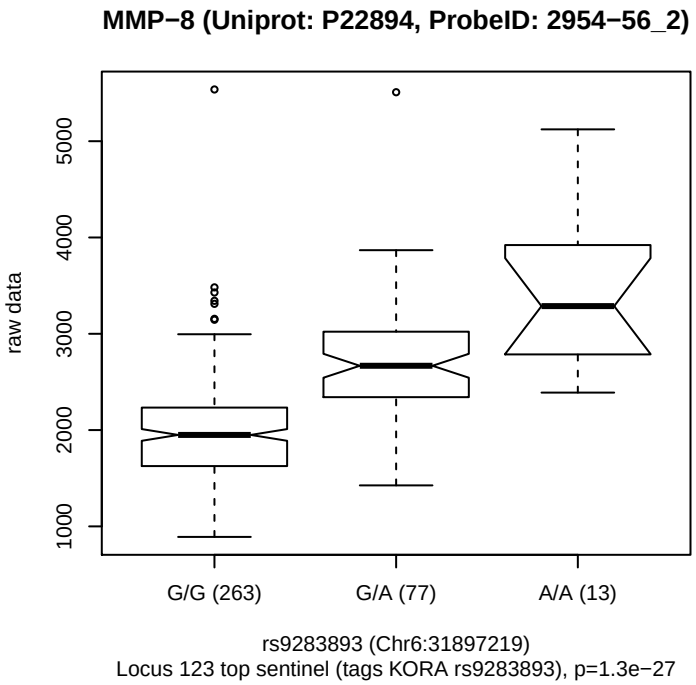
invnorm data
Dynein light chain roadblock−type 1

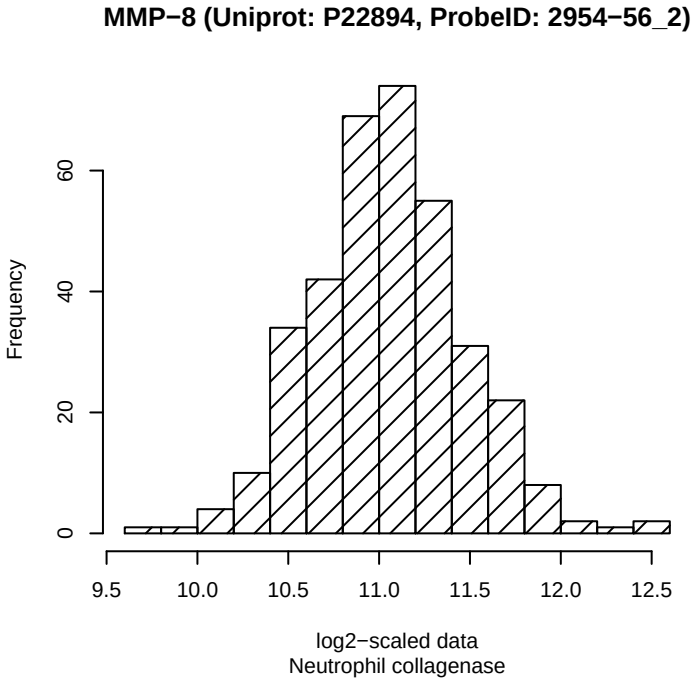
DLRB1 (Uniprot: Q9NP97, ProbeID: 3845−51_2)

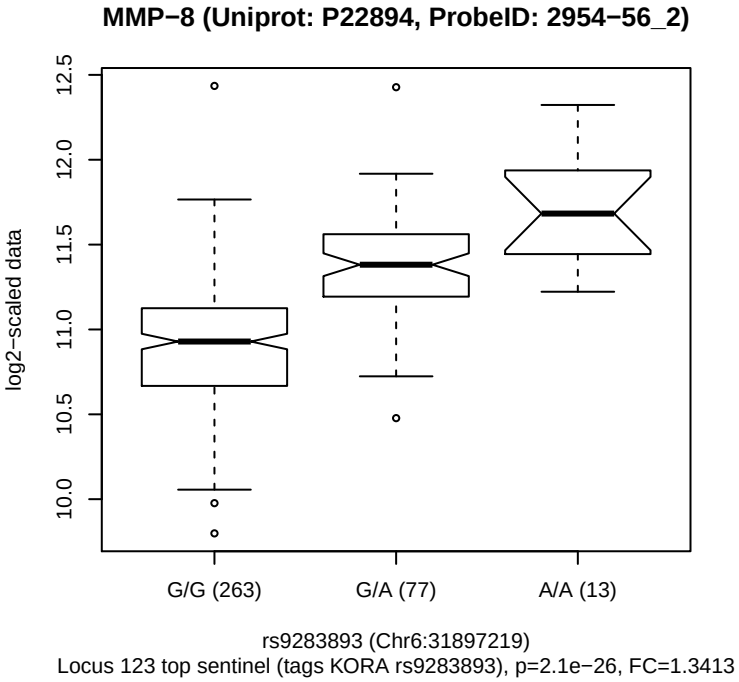


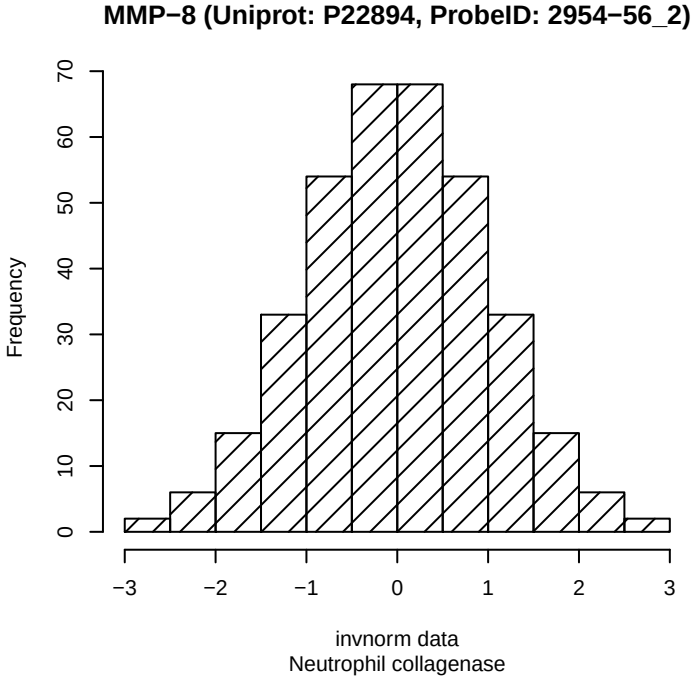
rs1339847 (Chr1:248039294)
Locus 122 top sentinel (tags KORA rs1339847), p=7.1e−06

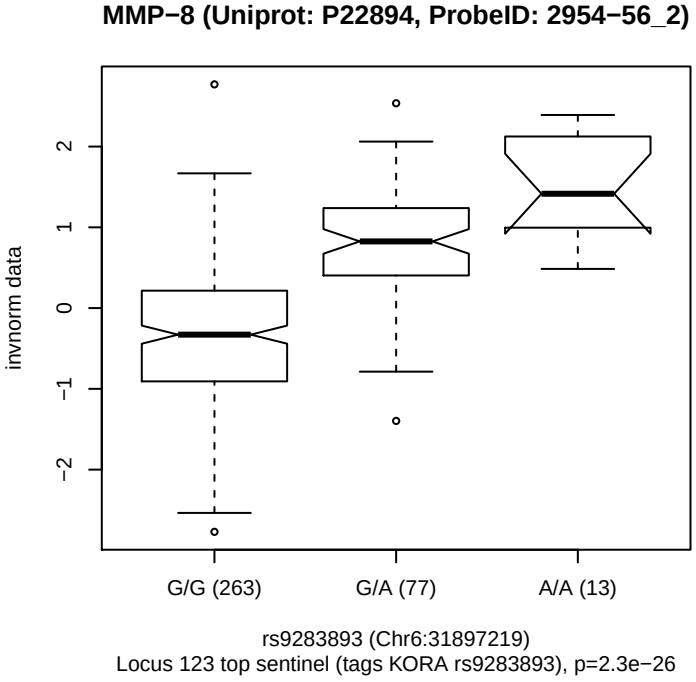

MMP−8 (Uniprot: P22894, ProbeID: 2954−56_2)
Frequency
0
20
40
60
80
100
1000
2000
3000
4000
5000
6000
raw data
Neutrophil collagenase


MMP−8 (Uniprot: P22894, ProbeID: 2954−56_2)
raw data
1000
2000
3000
4000
5000
G/G (263)
G/A (77)
A/A (13)
rs9283893 (Chr6:31897219)
Locus 123 top sentinel (tags KORA rs9283893), p=1.3e−27

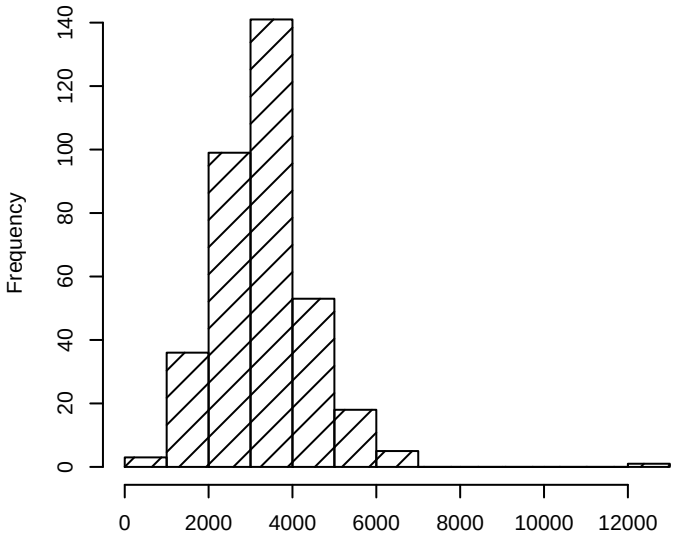

MMP−8 (Uniprot: P22894, ProbeID: 2954−56_2)
Frequency
0
20
40
60
9.5
10.0
10.5
11.0
11.5
12.0
12.5
log2−scaled data
Neutrophil collagenase


MMP−8 (Uniprot: P22894, ProbeID: 2954−56_2)
log2−scaled data
10.0
10.5
11.0
11.5
12.0
12.5
G/G (263)
G/A (77)
A/A (13)
rs9283893 (Chr6:31897219)
Locus 123 top sentinel (tags KORA rs9283893), p=2.1e−26, FC=1.3413


MMP−8 (Uniprot: P22894, ProbeID: 2954−56_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Neutrophil collagenase

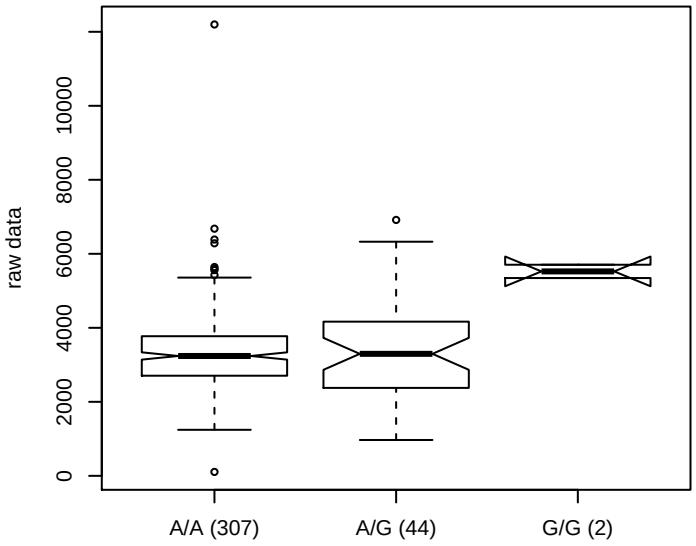

MMP−8 (Uniprot: P22894, ProbeID: 2954−56_2)
invnorm data
−2
−1
0
1
2
G/G (263)
G/A (77)
A/A (13)
rs9283893 (Chr6:31897219)
Locus 123 top sentinel (tags KORA rs9283893), p=2.3e−26

ILT−2 (Uniprot: Q8NHL6, ProbeID: 5090−49_2)



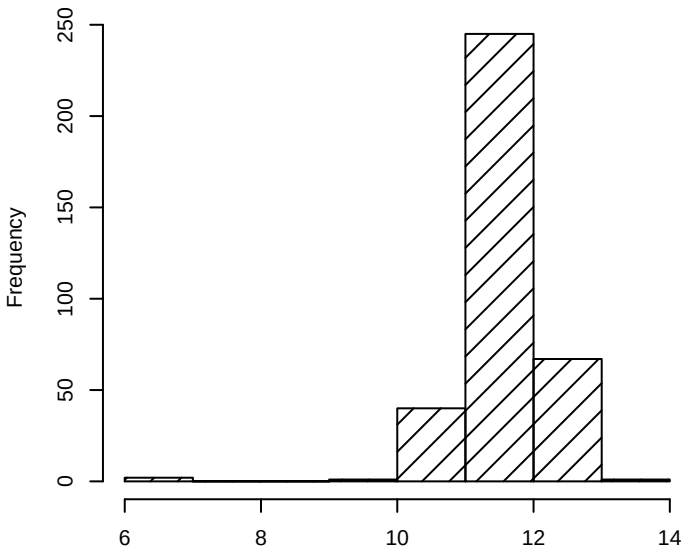
Leukocyte immunoglobulin−like receptor subfamily B member 1

ILT−2 (Uniprot: Q8NHL6, ProbeID: 5090−49_2)



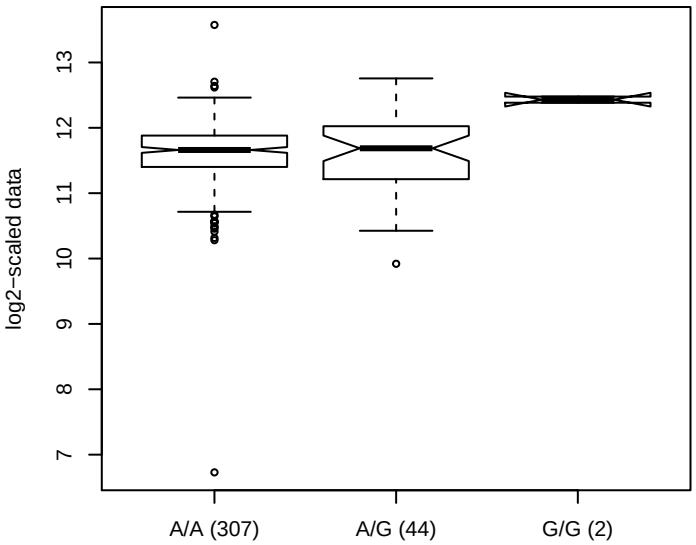
rs11879469 (Chr19:55123737)
Locus 125 top sentinel (tags KORA rs45461791), p=0.07

ILT−2 (Uniprot: Q8NHL6, ProbeID: 5090−49_2)



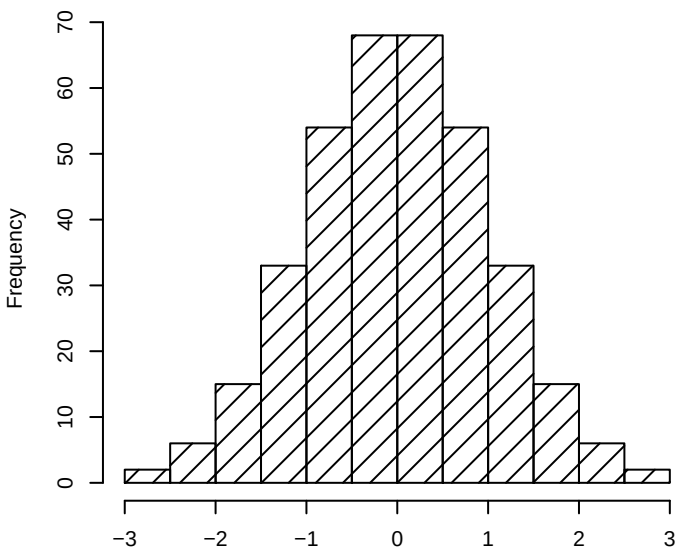
Leukocyte immunoglobulin−like receptor subfamily B member 1

ILT−2 (Uniprot: Q8NHL6, ProbeID: 5090−49_2)



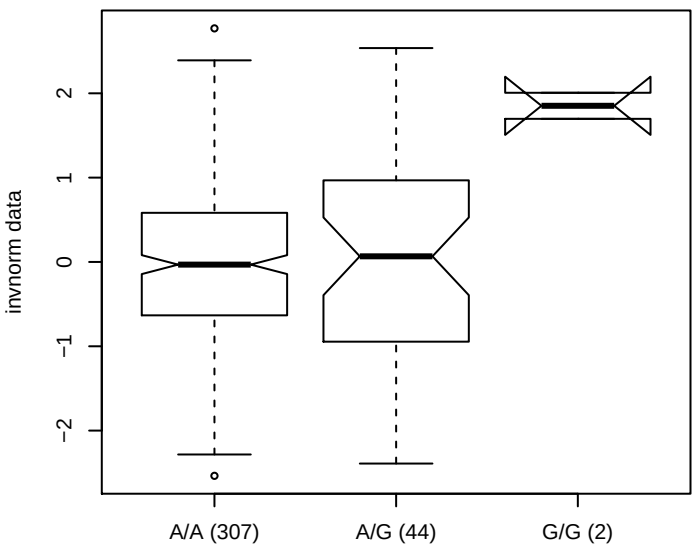
rs11879469 (Chr19:55123737)
Locus 125 top sentinel (tags KORA rs45461791), p=0.18, FC=1.0758

ILT−2 (Uniprot: Q8NHL6, ProbeID: 5090−49_2)

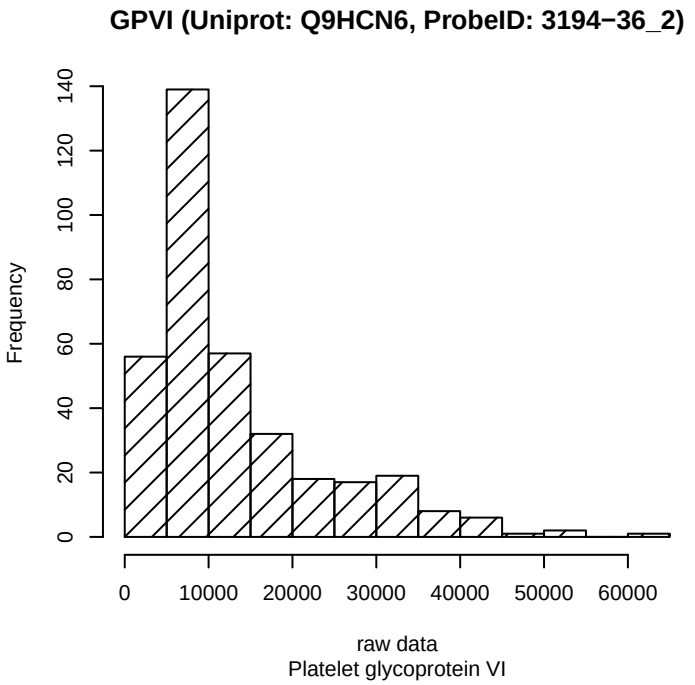


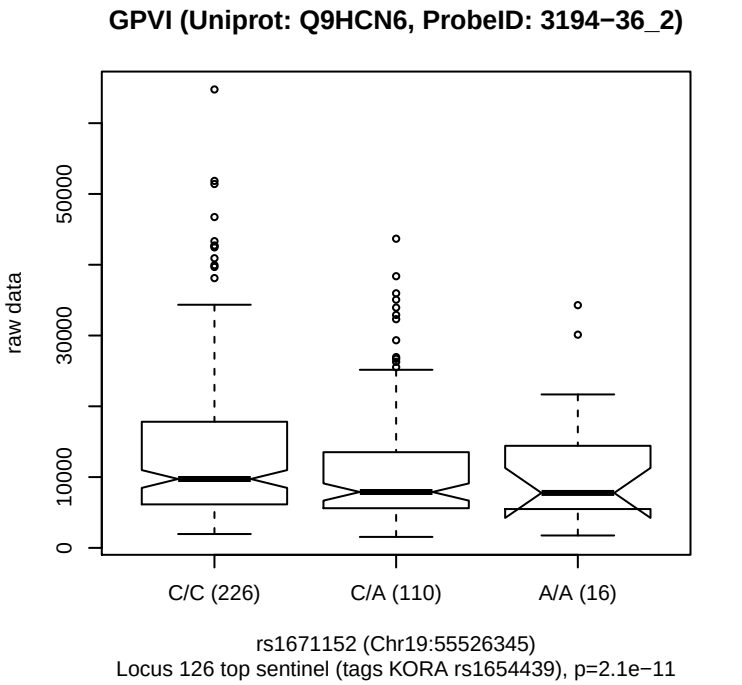
Leukocyte immunoglobulin−like receptor subfamily B member 1

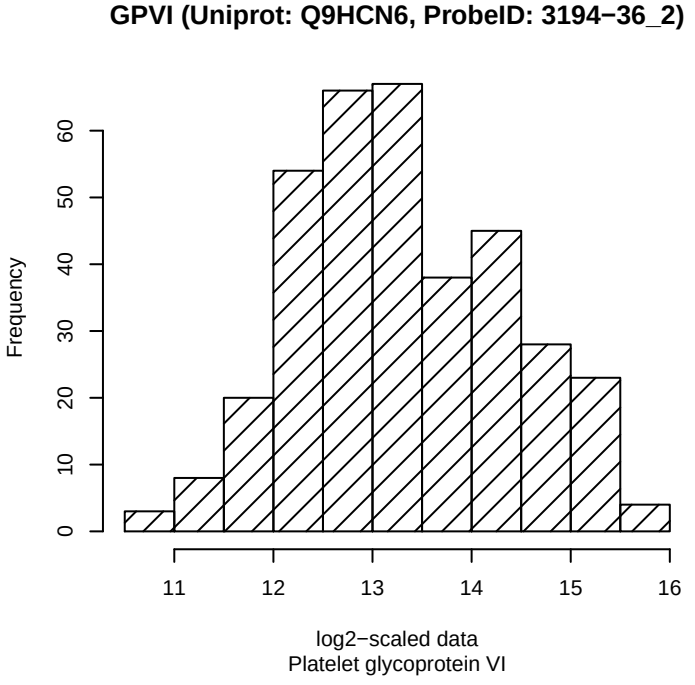
ILT−2 (Uniprot: Q8NHL6, ProbeID: 5090−49_2)

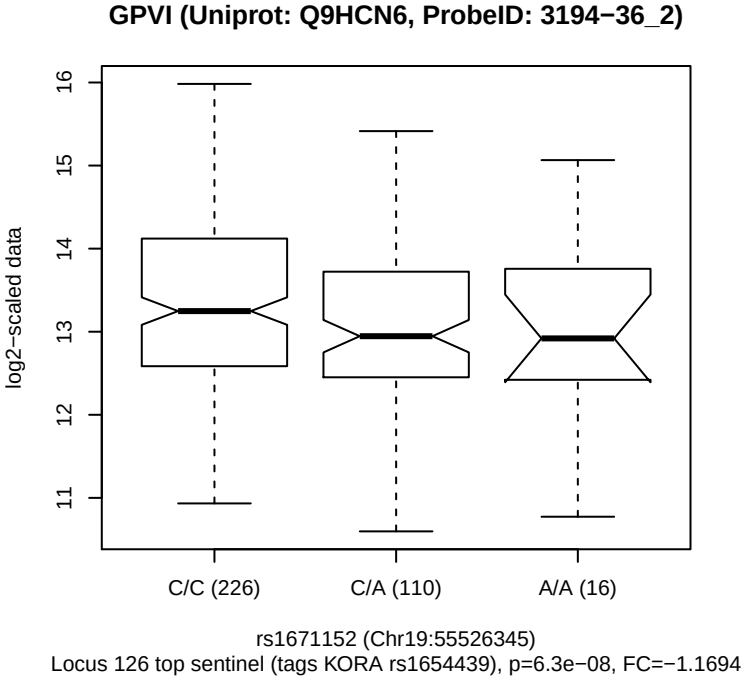


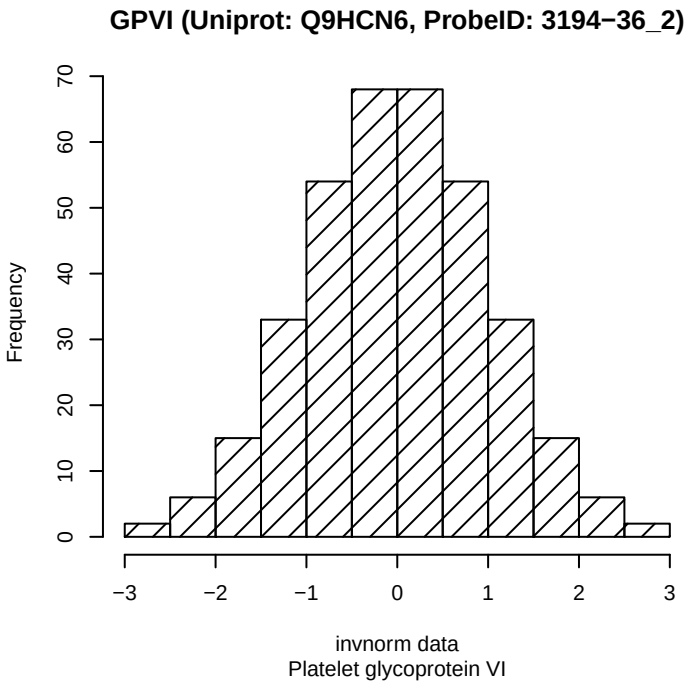
rs11879469 (Chr19:55123737)
Locus 125 top sentinel (tags KORA rs45461791), p=0.062

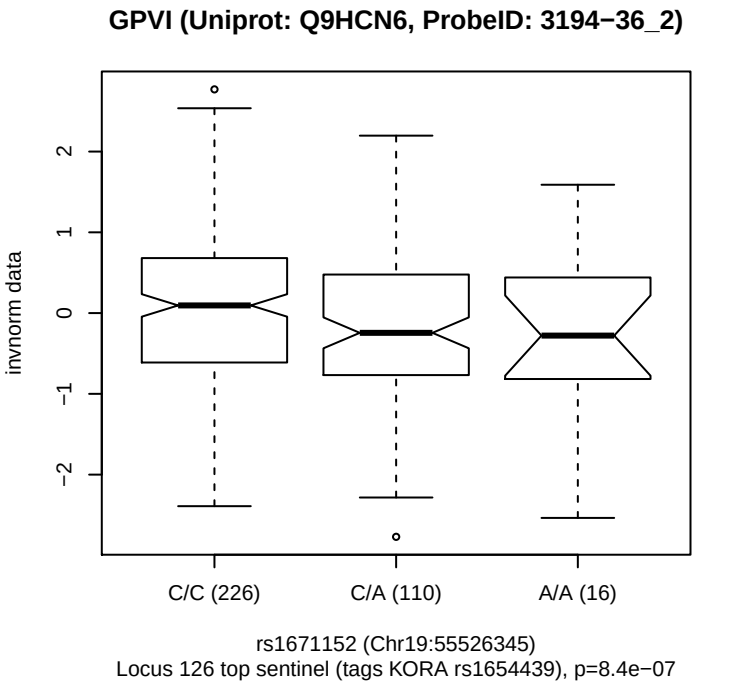

GPVI (Uniprot: Q9HCN6, ProbeID: 3194−36_2)
Frequency
0
20
40
60
80
100
120
140
0
10000
20000
30000
40000
50000
60000
raw data
Platelet glycoprotein VI


GPVI (Uniprot: Q9HCN6, ProbeID: 3194−36_2)
raw data
0
10000
30000
50000
C/C (226)
C/A (110)
A/A (16)
rs1671152 (Chr19:55526345)
Locus 126 top sentinel (tags KORA rs1654439), p=2.1e−11

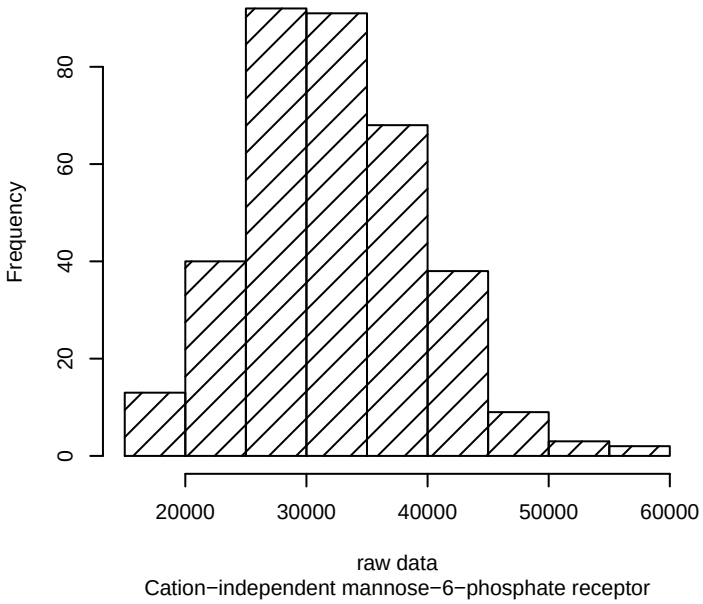

GPVI (Uniprot: Q9HCN6, ProbeID: 3194−36_2)
Frequency
0
10
20
30
40
50
60
11
12
13
14
15
16
log2−scaled data
Platelet glycoprotein VI


GPVI (Uniprot: Q9HCN6, ProbeID: 3194−36_2)
log2−scaled data
11
12
13
14
15
16
C/C (226)
C/A (110)
A/A (16)
rs1671152 (Chr19:55526345)
Locus 126 top sentinel (tags KORA rs1654439), p=6.3e−08, FC=−1.1694


GPVI (Uniprot: Q9HCN6, ProbeID: 3194−36_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Platelet glycoprotein VI

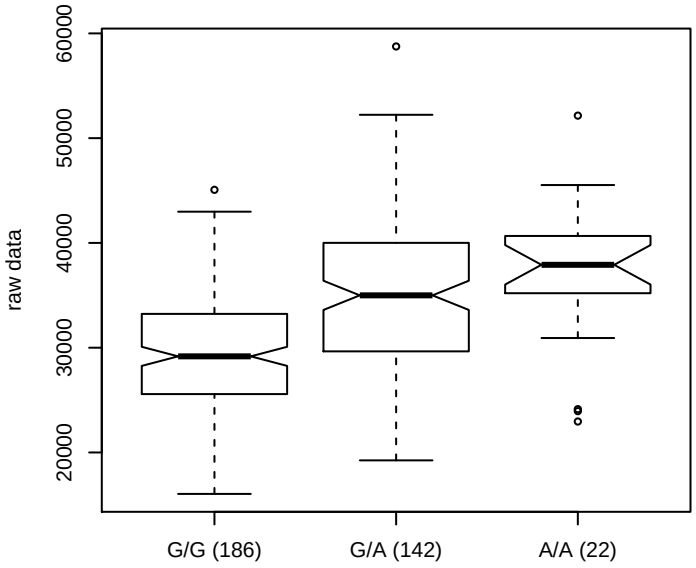

GPVI (Uniprot: Q9HCN6, ProbeID: 3194−36_2)
invnorm data
−2
−1
0
1
2
C/C (226)
C/A (110)
A/A (16)
rs1671152 (Chr19:55526345)
Locus 126 top sentinel (tags KORA rs1654439), p=8.4e−07

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



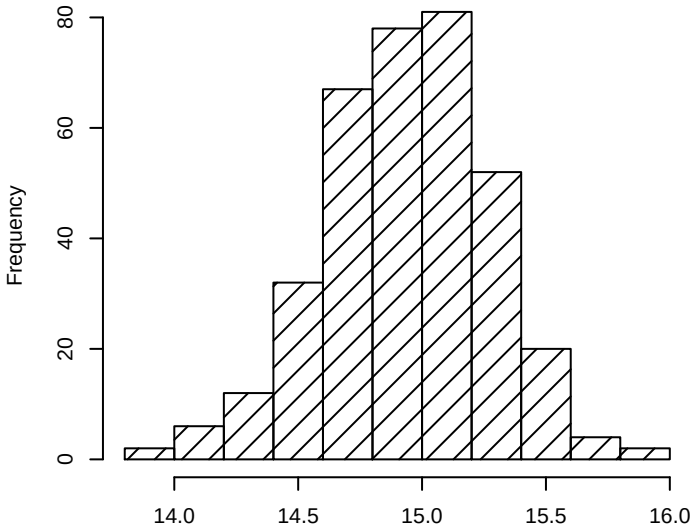
Cation−independent mannose−6−phosphate receptor

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



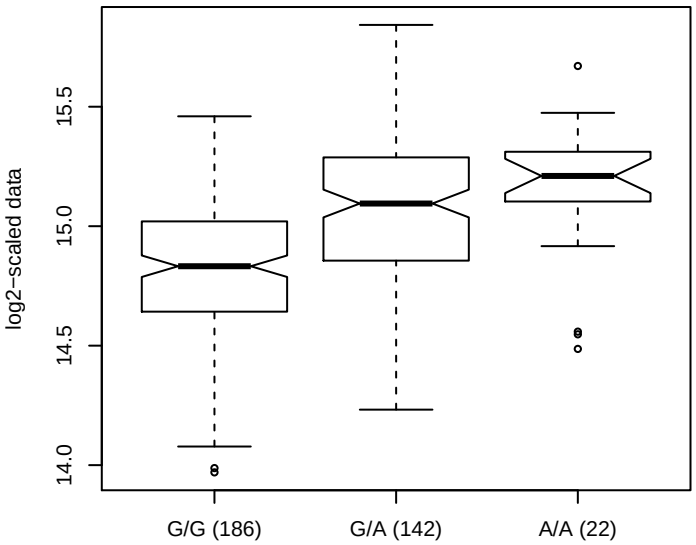
rs1130861 (Chr6:160511354)
Locus 127 top sentinel (tags KORA rs2297363), p=7.5e−19

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



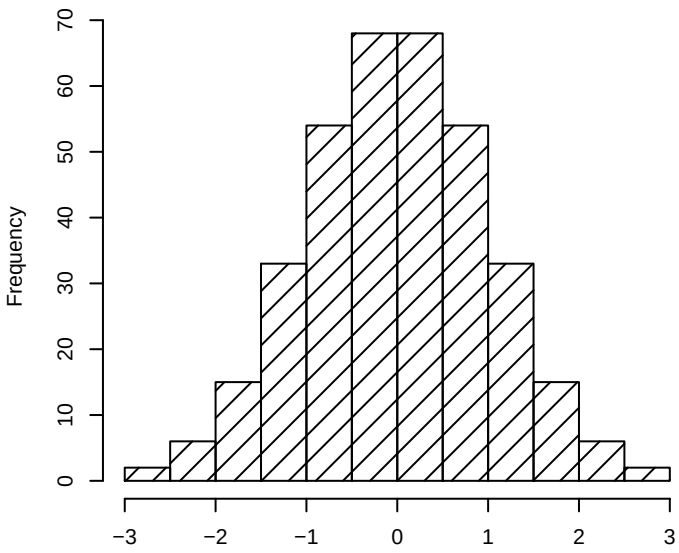
Cation−independent mannose−6−phosphate receptor

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



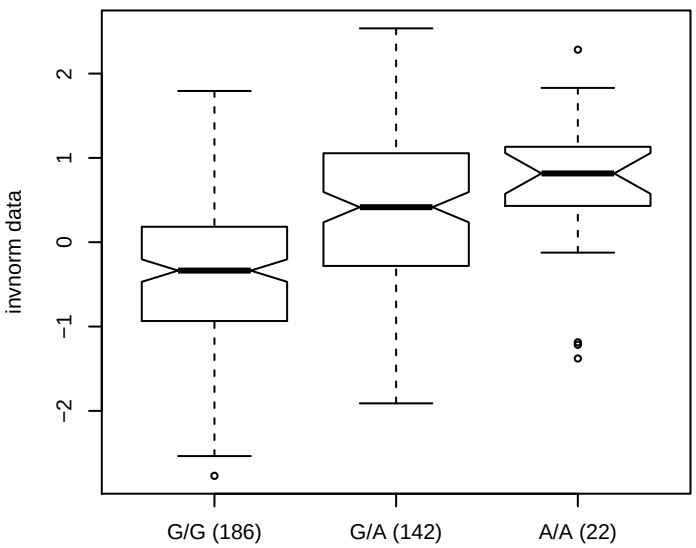
rs1130861 (Chr6:160511354)
Locus 127 top sentinel (tags KORA rs2297363), p=1.7e−17, FC=1.1631

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

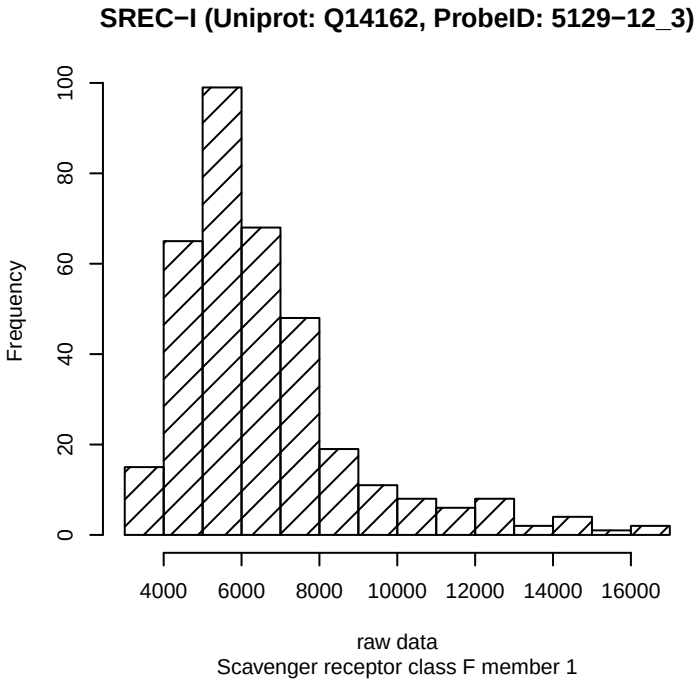


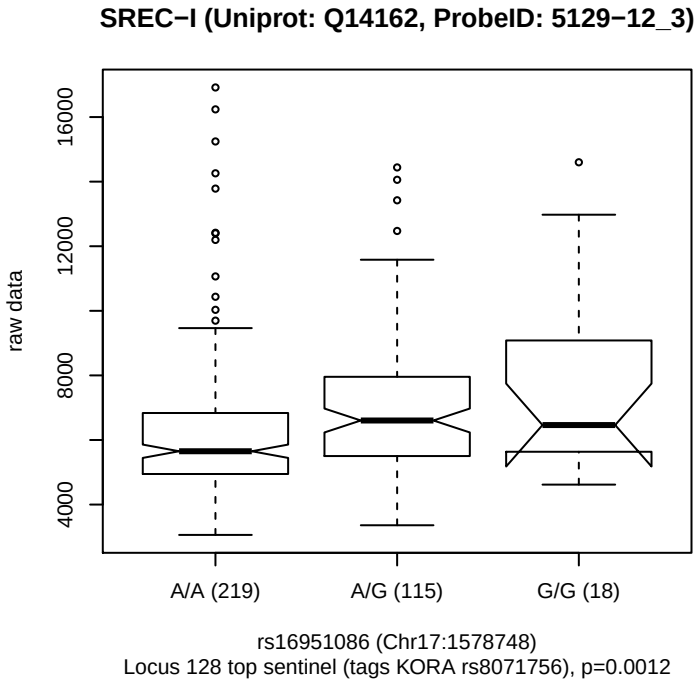
Cation−independent mannose−6−phosphate receptor

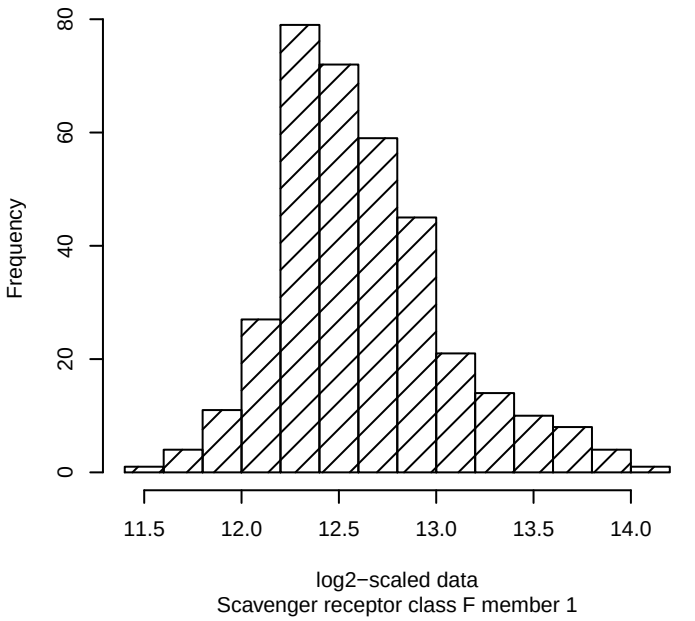
IGF−II receptor (Uniprot: P11717, ProbeID: 3676−15_3)

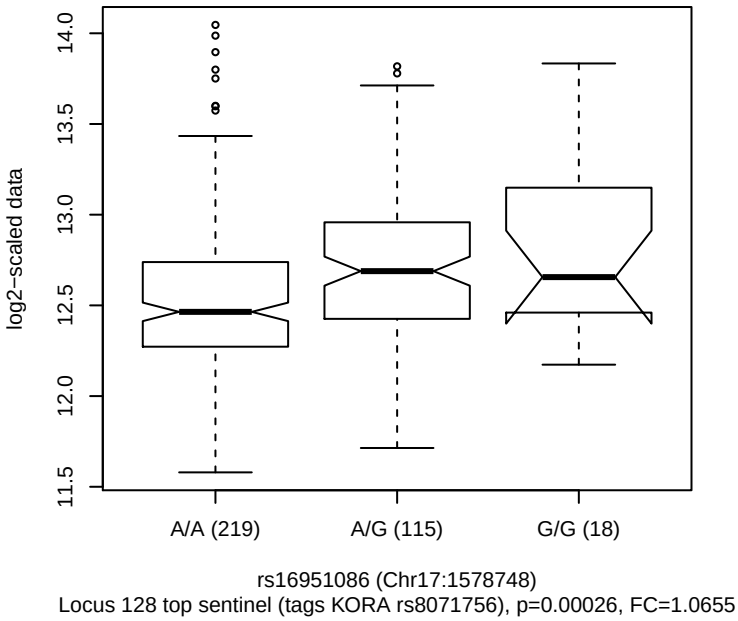


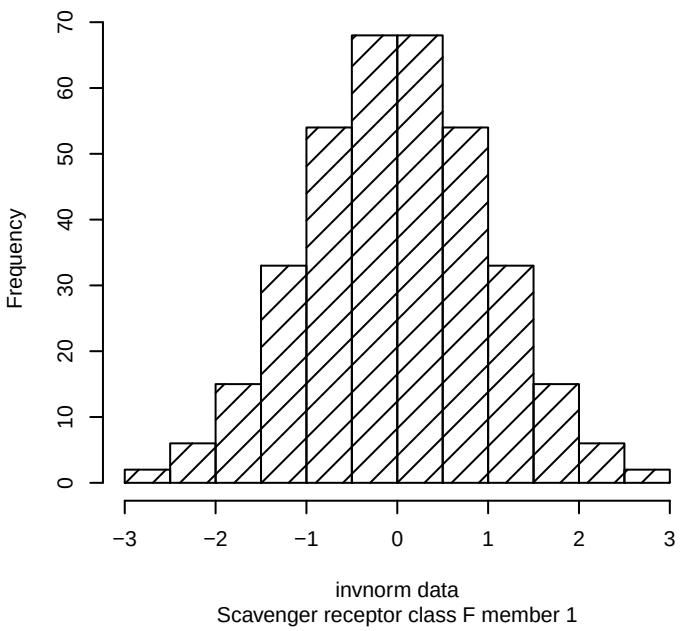
rs1130861 (Chr6:160511354)
Locus 127 top sentinel (tags KORA rs2297363), p=1.8e−18

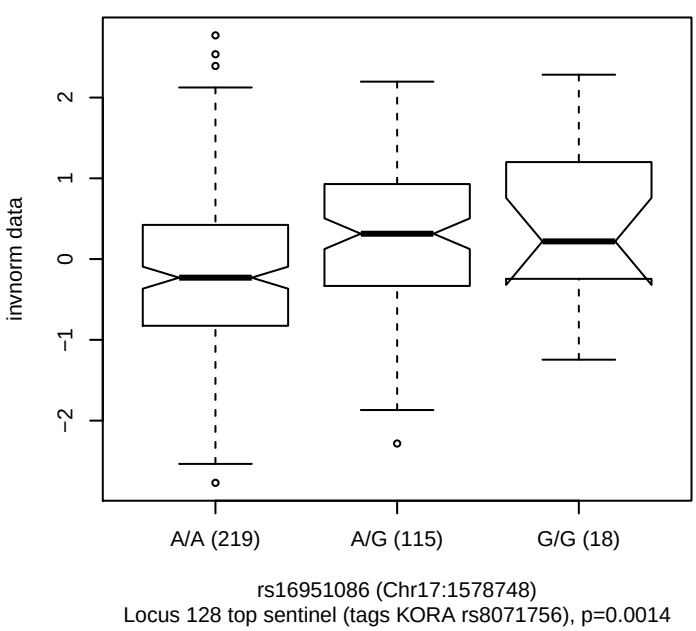

SREC−I (Uniprot: Q14162, ProbeID: 5129−12_3)
Frequency
0
20
40
60
80
100
4000
6000
8000
10000
12000
14000
16000
raw data
Scavenger receptor class F member 1

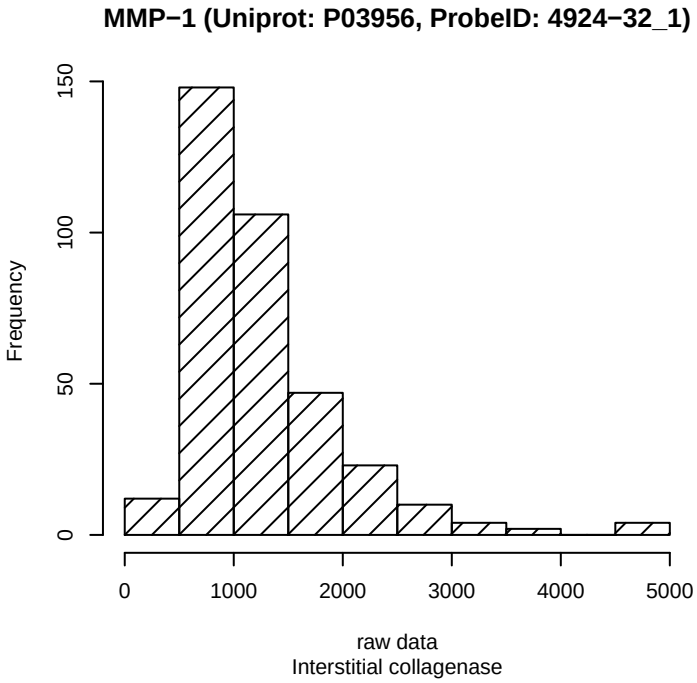

SREC−I (Uniprot: Q14162, ProbeID: 5129−12_3)
raw data
4000
8000
12000
16000
A/A (219)
A/G (115)
G/G (18)
rs16951086 (Chr17:1578748)
Locus 128 top sentinel (tags KORA rs8071756), p=0.0012

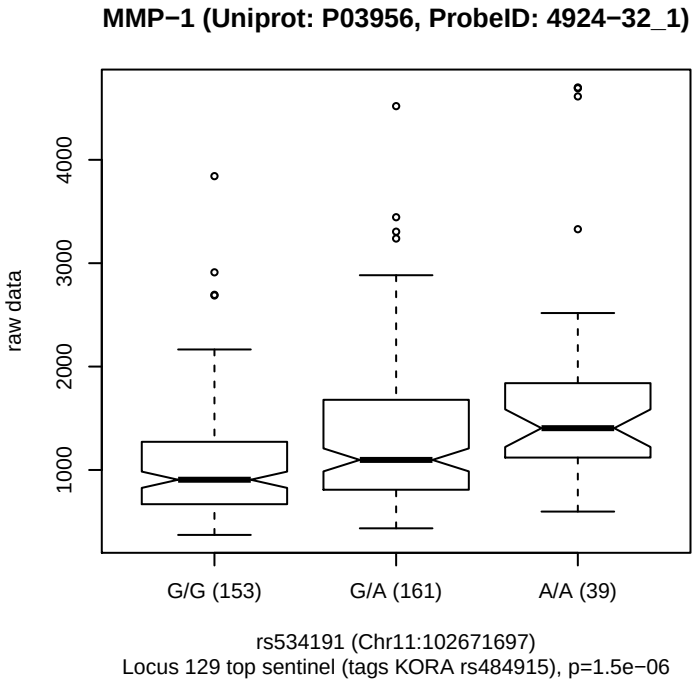

SREC−I (Uniprot: Q14162, ProbeID: 5129−12_3)
Frequency
0
20
40
60
80
11.5
12.0
12.5
13.0
13.5
14.0
log2−scaled data
Scavenger receptor class F member 1

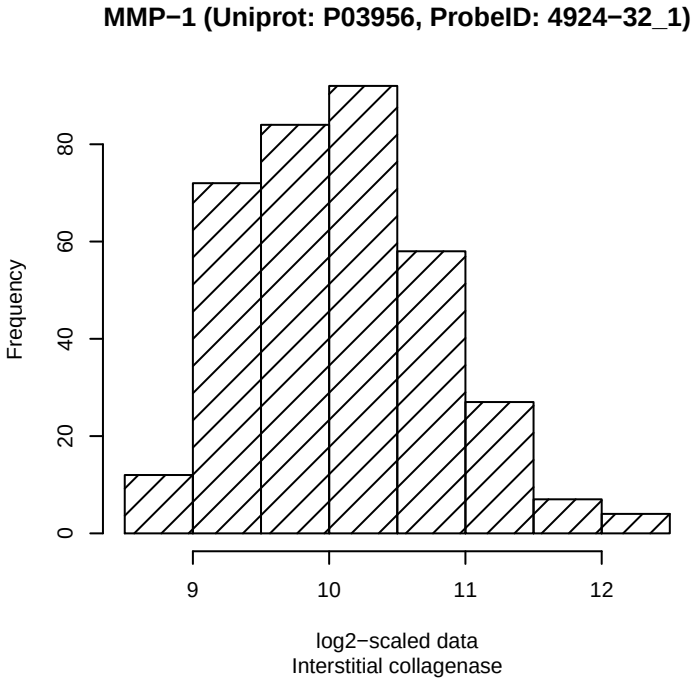

SREC−I (Uniprot: Q14162, ProbeID: 5129−12_3)
log2−scaled data
11.5
12.0
12.5
13.0
13.5
14.0
A/A (219)
A/G (115)
G/G (18)
rs16951086 (Chr17:1578748)
Locus 128 top sentinel (tags KORA rs8071756), p=0.00026, FC=1.0655

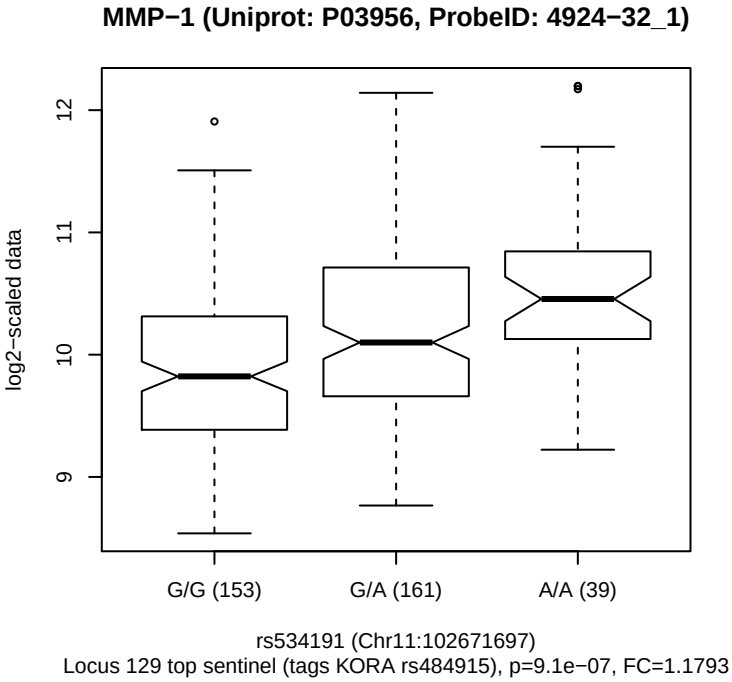

SREC−I (Uniprot: Q14162, ProbeID: 5129−12_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Scavenger receptor class F member 1

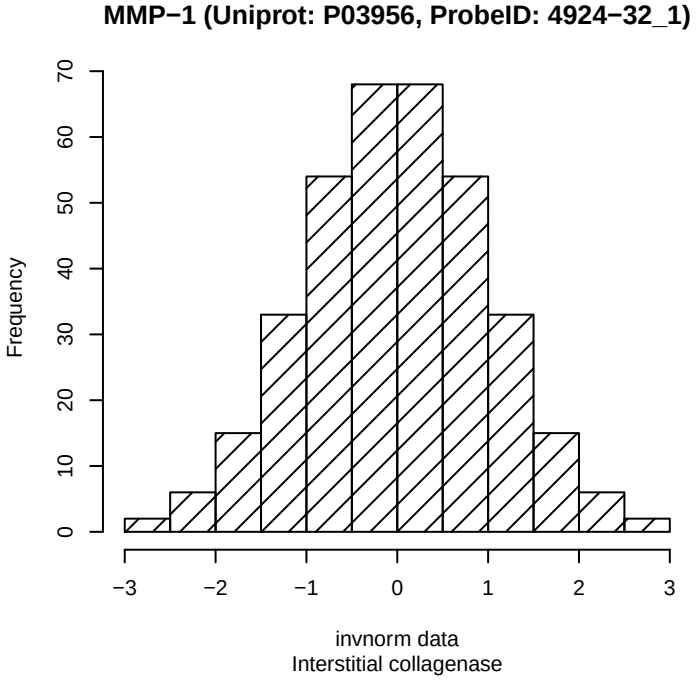

SREC−I (Uniprot: Q14162, ProbeID: 5129−12_3)
invnorm data
−2
−1
0
1
2
A/A (219)
A/G (115)
G/G (18)
rs16951086 (Chr17:1578748)
Locus 128 top sentinel (tags KORA rs8071756), p=0.0014

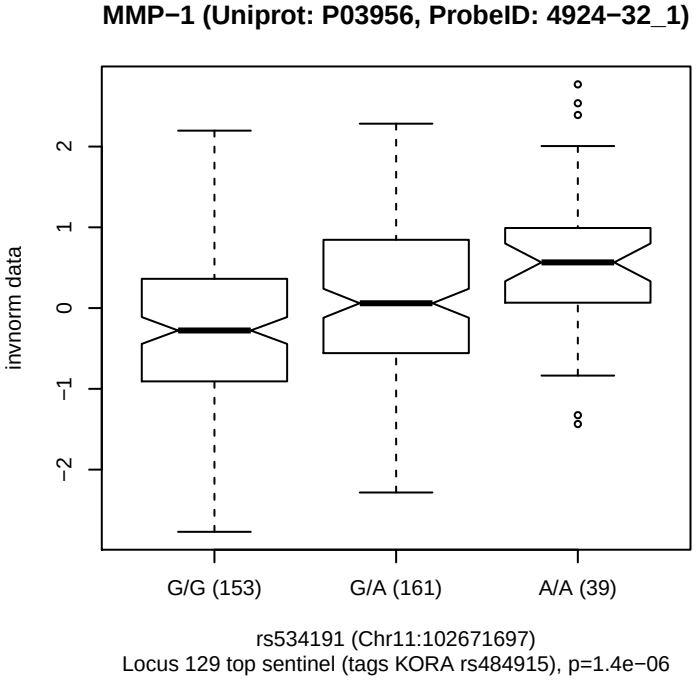

MMP−1 (Uniprot: P03956, ProbeID: 4924−32_1)
Frequency
0
50
100
150
0
1000
2000
3000
4000
5000
raw data
Interstitial collagenase

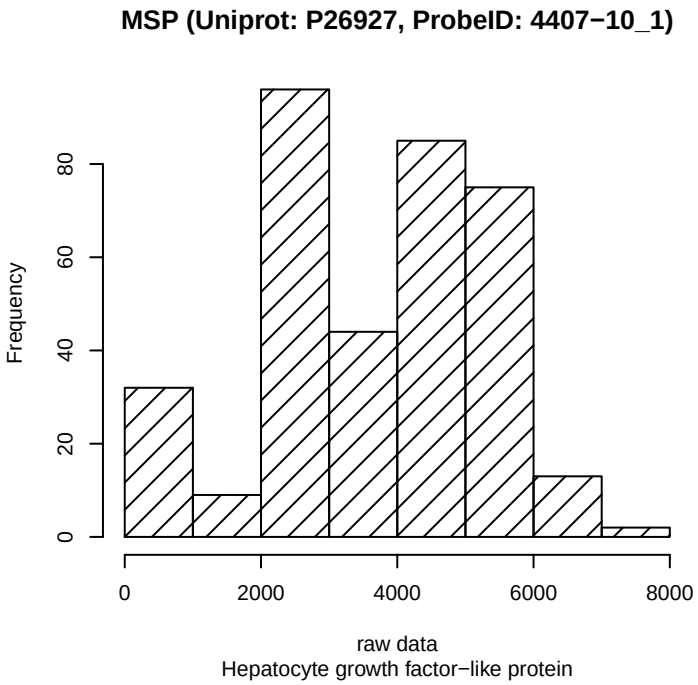

MMP−1 (Uniprot: P03956, ProbeID: 4924−32_1)
raw data
1000
2000
3000
4000
G/G (153)
G/A (161)
A/A (39)
rs534191 (Chr11:102671697)
Locus 129 top sentinel (tags KORA rs484915), p=1.5e−06

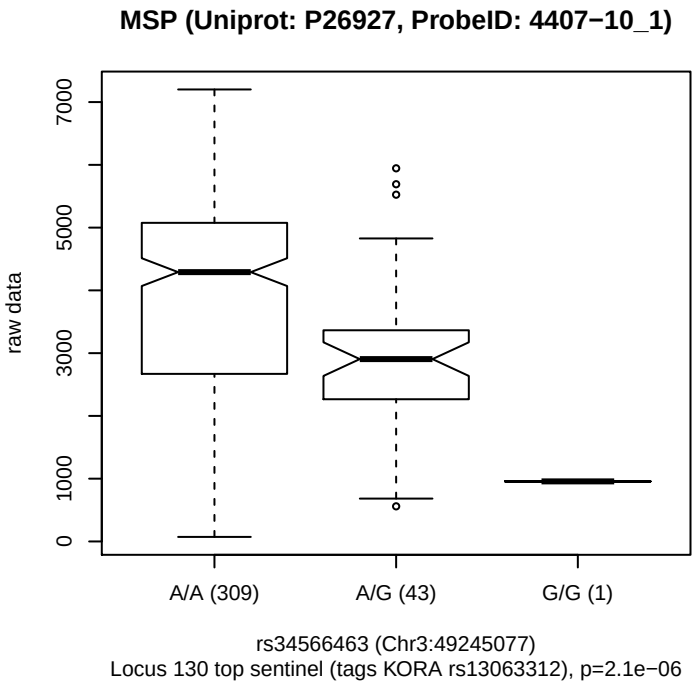

MMP−1 (Uniprot: P03956, ProbeID: 4924−32_1)
Frequency
0
20
40
60
80
9
10
11
12
log2−scaled data
Interstitial collagenase

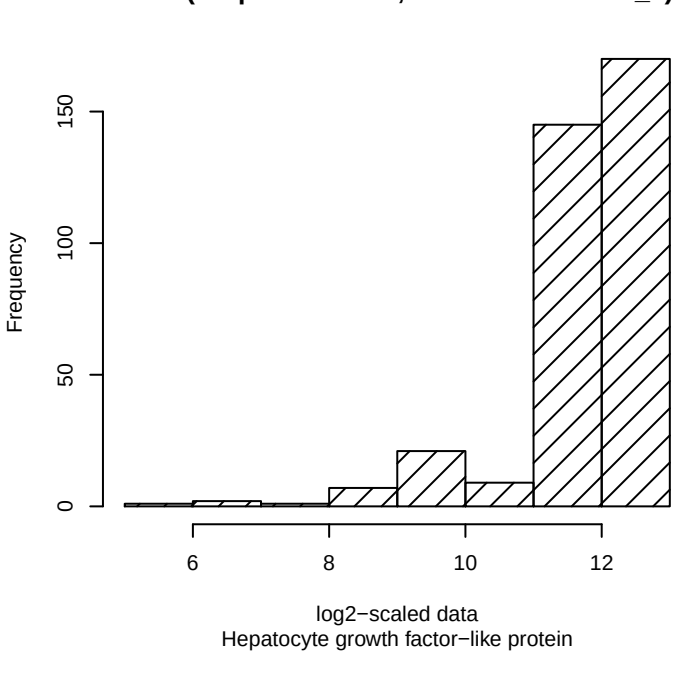

MMP−1 (Uniprot: P03956, ProbeID: 4924−32_1)
log2−scaled data
9
10
11
12
G/G (153)
G/A (161)
A/A (39)
rs534191 (Chr11:102671697)
Locus 129 top sentinel (tags KORA rs484915), p=9.1e−07, FC=1.1793

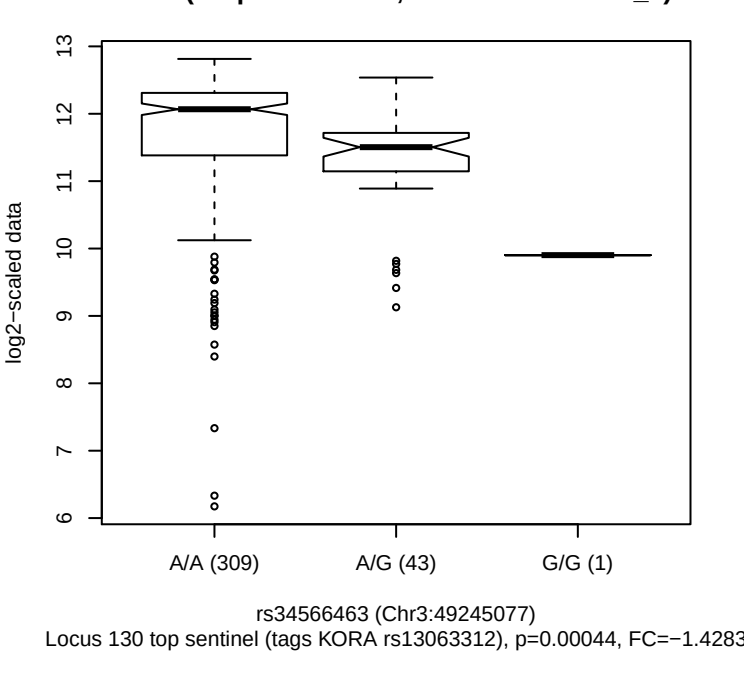

MMP−1 (Uniprot: P03956, ProbeID: 4924−32_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Interstitial collagenase

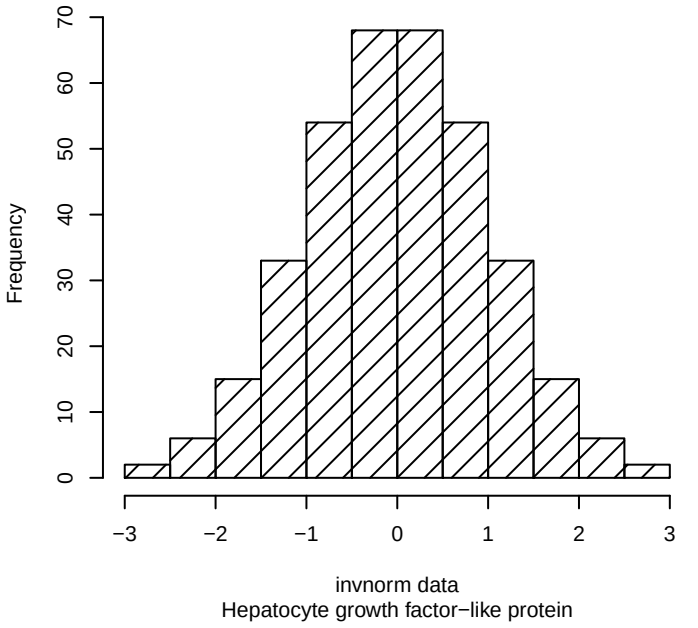

MMP−1 (Uniprot: P03956, ProbeID: 4924−32_1)
invnorm data
−2
−1
0
1
2
G/G (153)
G/A (161)
A/A (39)
rs534191 (Chr11:102671697)
Locus 129 top sentinel (tags KORA rs484915), p=1.4e−06

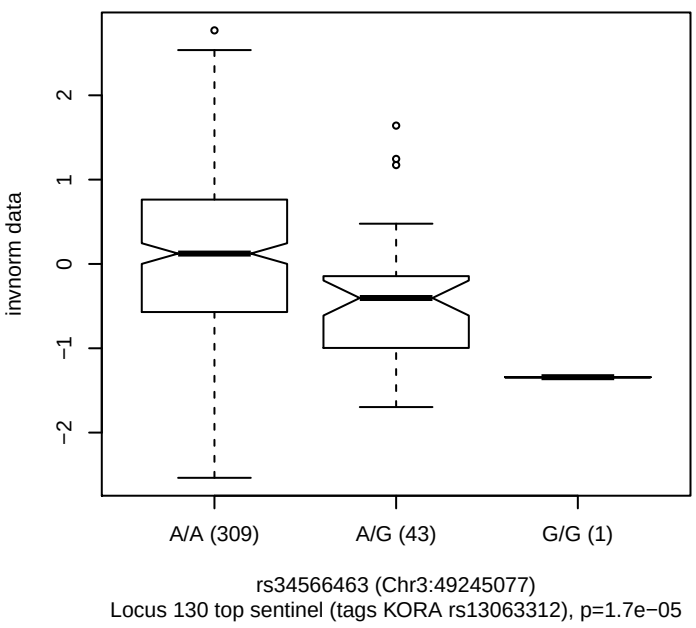

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
Frequency
0
20
40
60
80
0
2000
4000
6000
8000
raw data
Hepatocyte growth factor−like protein

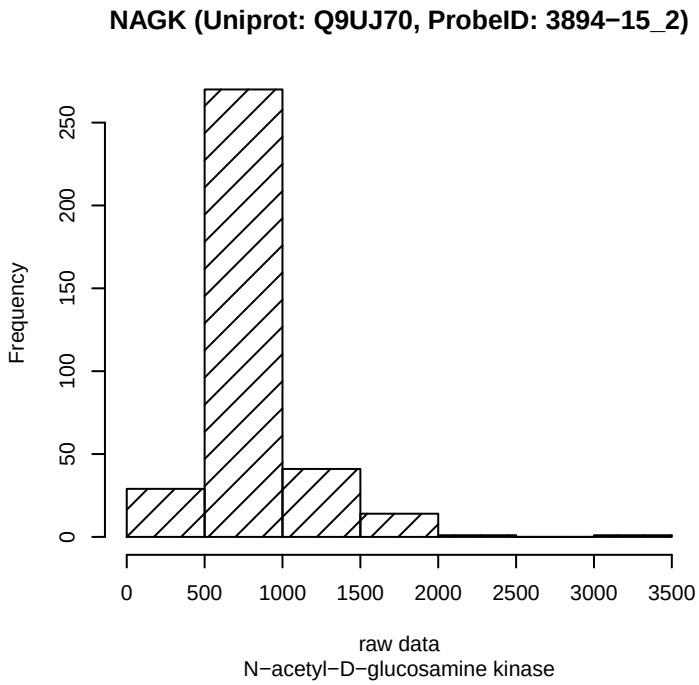

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
raw data
0
1000
3000
5000
7000
A/A (309)
A/G (43)
G/G (1)
rs34566463 (Chr3:49245077)
Locus 130 top sentinel (tags KORA rs13063312), p=2.1e−06

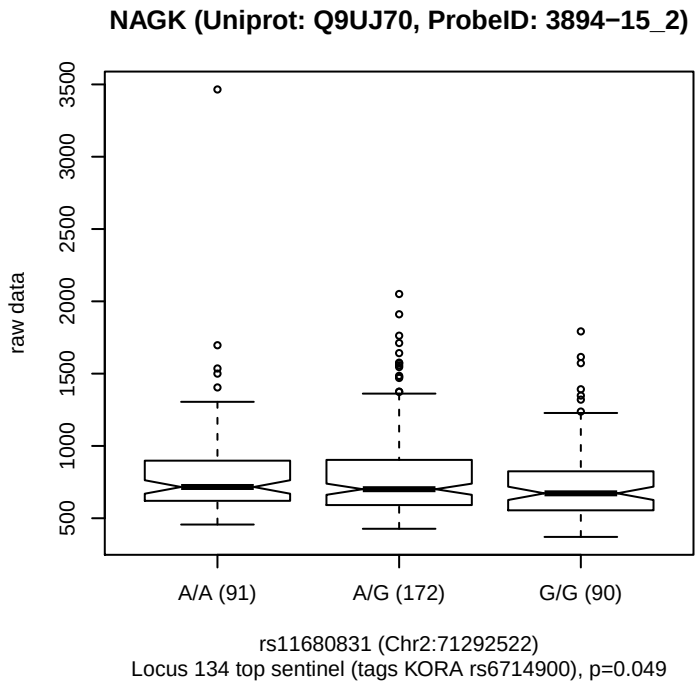

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
Frequency
0
50
100
150
6
8
10
12
log2−scaled data
Hepatocyte growth factor−like protein

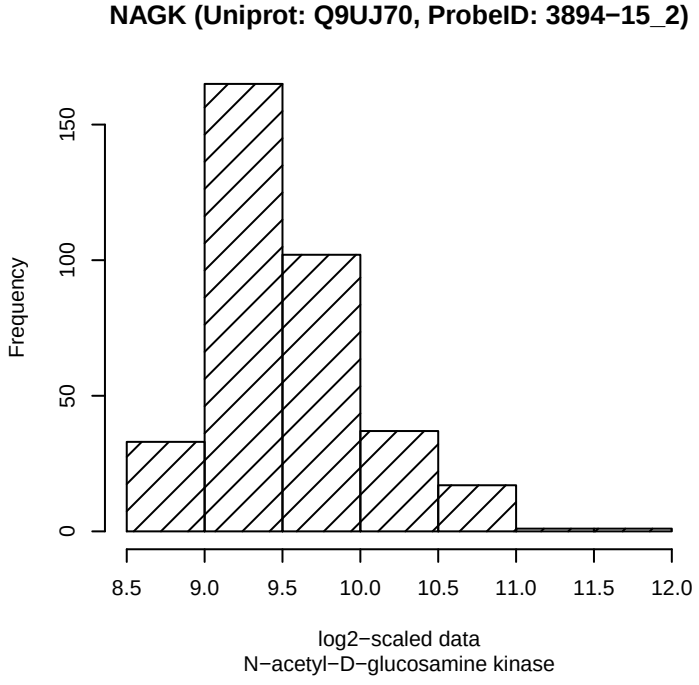

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
log2−scaled data
6
7
8
9
10
11
12
13
A/A (309)
A/G (43)
G/G (1)
rs34566463 (Chr3:49245077)
Locus 130 top sentinel (tags KORA rs13063312), p=0.00044, FC=−1.4283

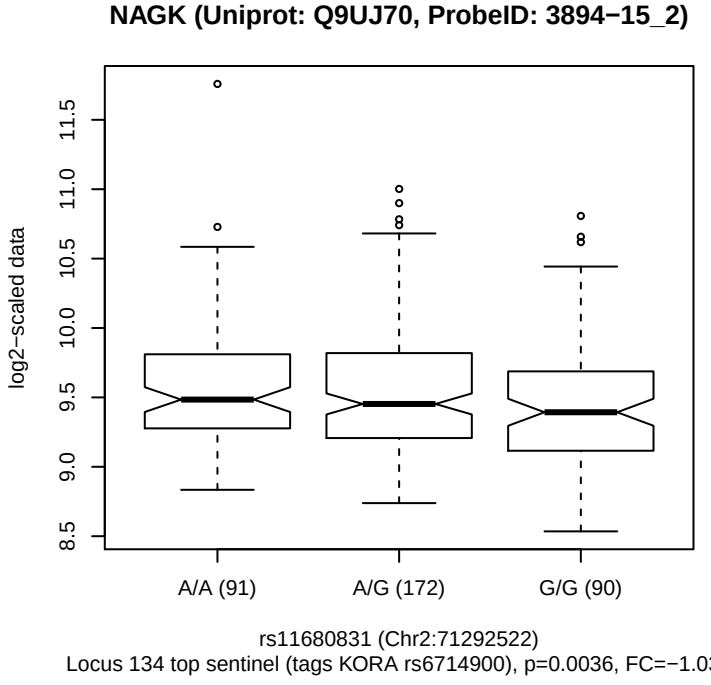

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Hepatocyte growth factor−like protein

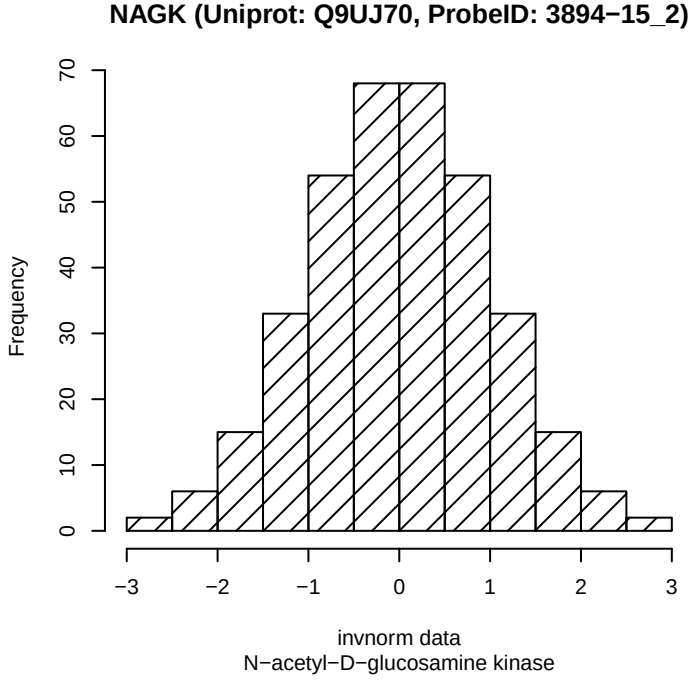

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
invnorm data
−2
−1
0
1
2
A/A (309)
A/G (43)
G/G (1)
rs34566463 (Chr3:49245077)
Locus 130 top sentinel (tags KORA rs13063312), p=1.7e−05

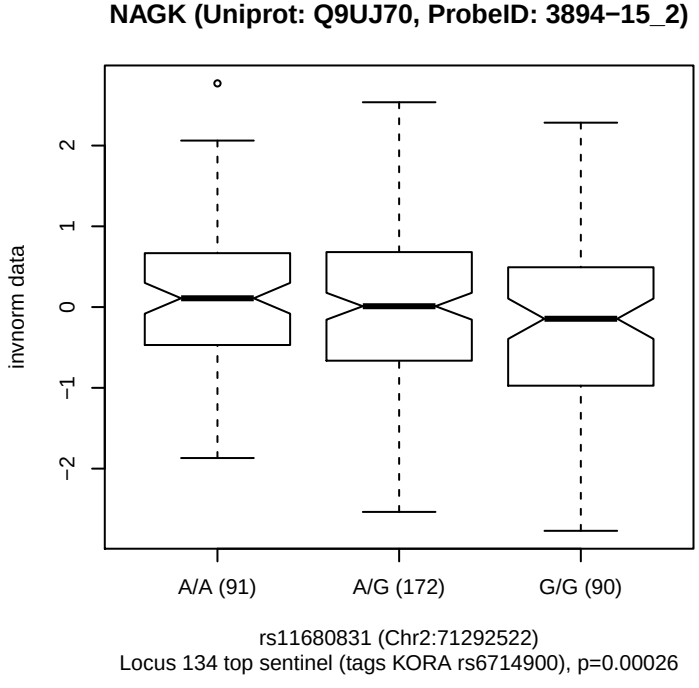

NAGK (Uniprot: Q9UJ70, ProbeID: 3894−15_2)
Frequency
0
50
100
150
200
250
0
500
1000
1500
2000
2500
3000
3500
raw data
N−acetyl−D−glucosamine kinase

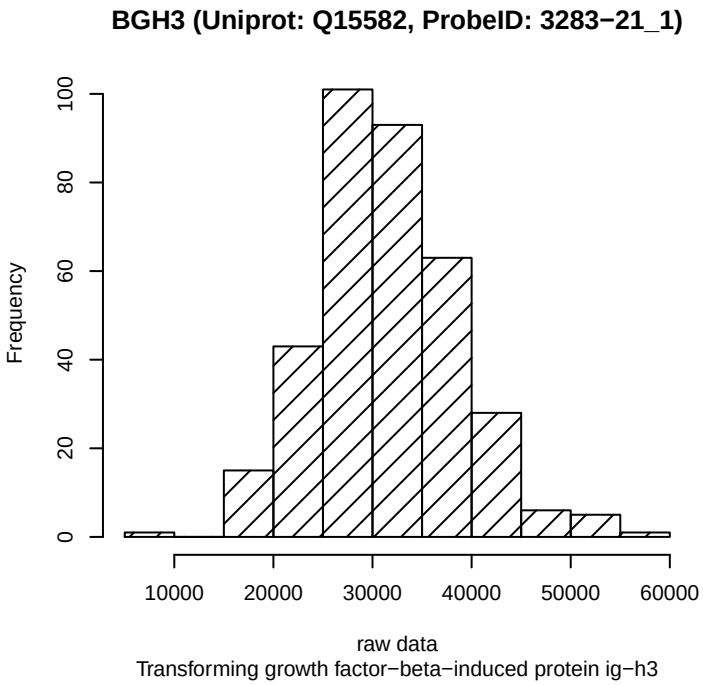

NAGK (Uniprot: Q9UJ70, ProbeID: 3894−15_2)
raw data
500
1000
1500
2000
2500
3000
3500
A/A (91)
A/G (172)
G/G (90)
rs11680831 (Chr2:71292522)
Locus 134 top sentinel (tags KORA rs6714900), p=0.049

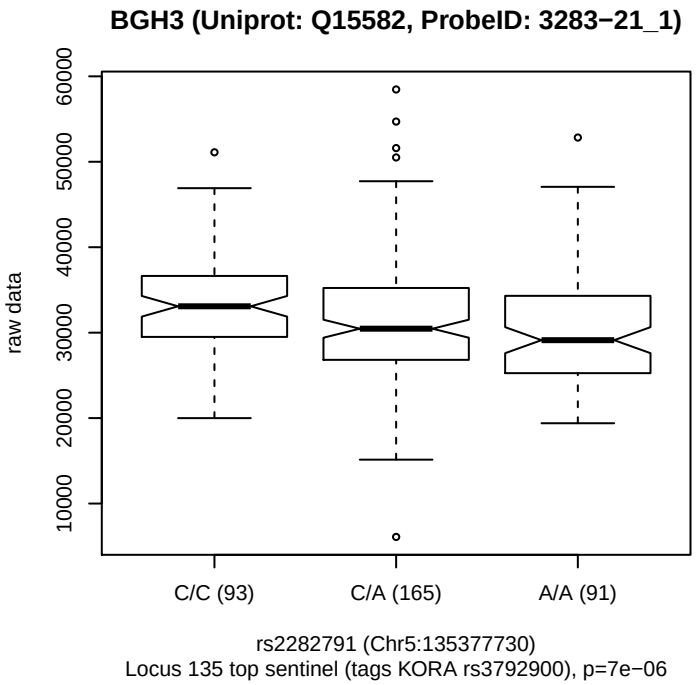

NAGK (Uniprot: Q9UJ70, ProbeID: 3894−15_2)
Frequency
0
50
100
150
8.5
9.0
9.5
10.0
10.5
11.0
11.5
12.0
log2−scaled data
N−acetyl−D−glucosamine kinase

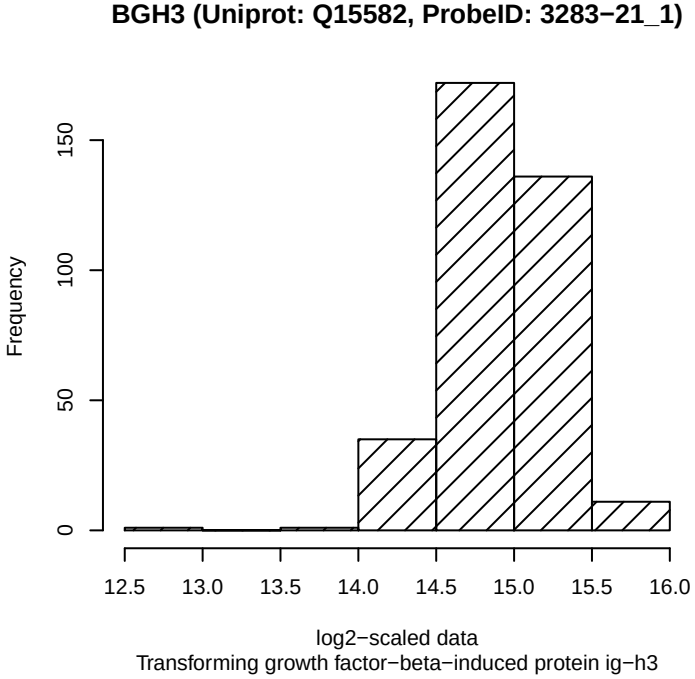

NAGK (Uniprot: Q9UJ70, ProbeID: 3894−15_2)
log2−scaled data
8.5
9.0
9.5
10.0
10.5
11.0
11.5
A/A (91)
A/G (172)
G/G (90)
rs11680831 (Chr2:71292522)
Locus 134 top sentinel (tags KORA rs6714900), p=0.0036, FC=−1.039

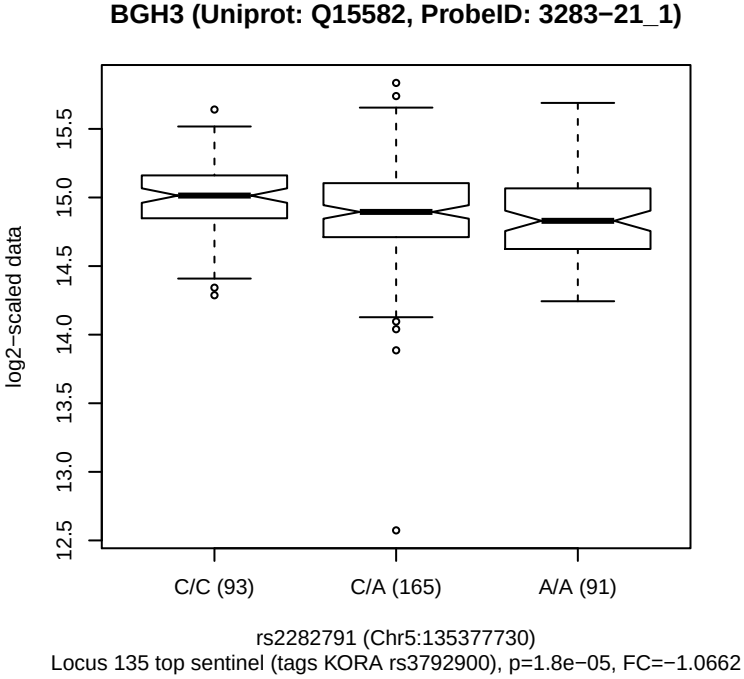

NAGK (Uniprot: Q9UJ70, ProbeID: 3894−15_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
N−acetyl−D−glucosamine kinase

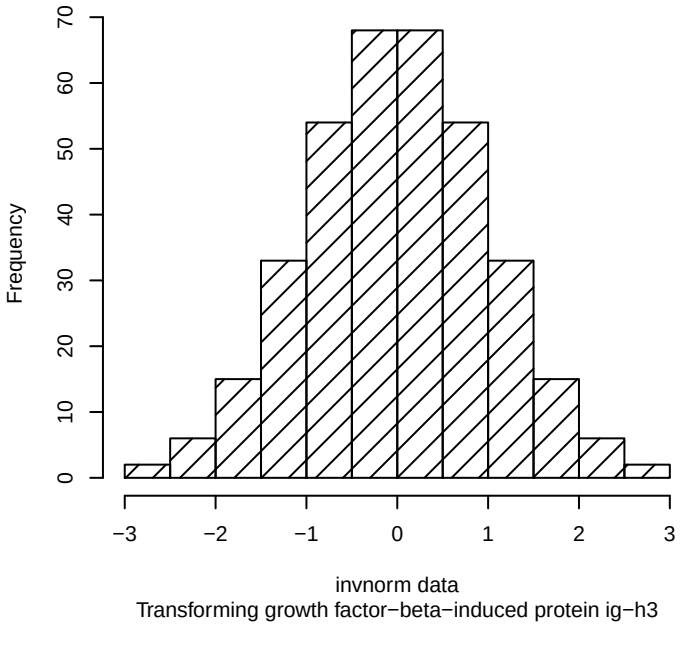

NAGK (Uniprot: Q9UJ70, ProbeID: 3894−15_2)
invnorm data
−2
−1
0
1
2
A/A (91)
A/G (172)
G/G (90)
rs11680831 (Chr2:71292522)
Locus 134 top sentinel (tags KORA rs6714900), p=0.00026

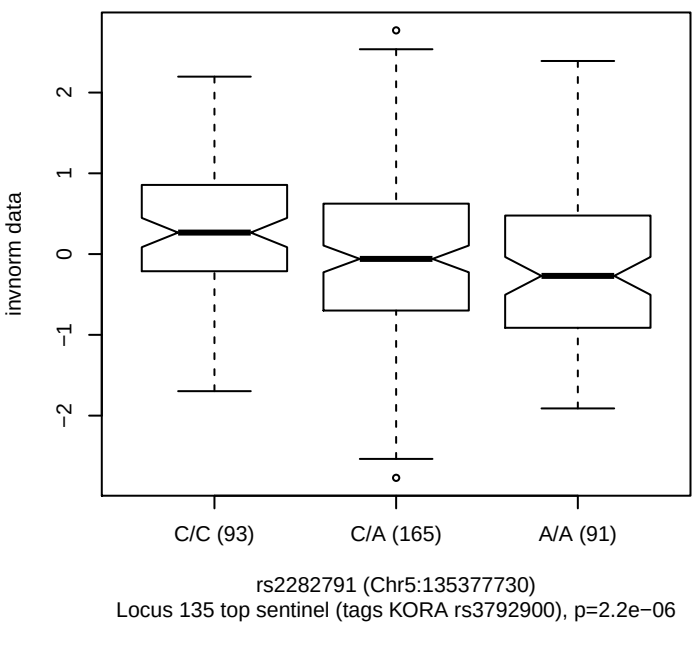

BGH3 (Uniprot: Q15582, ProbeID: 3283−21_1)
Frequency
0
20
40
60
80
100
10000
20000
30000
40000
50000
60000
raw data
Transforming growth factor−beta−induced protein ig−h3

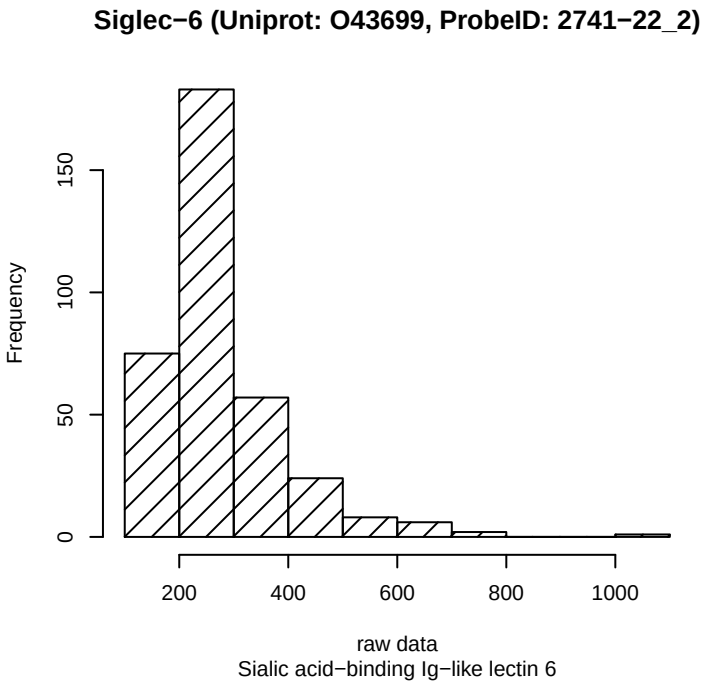

BGH3 (Uniprot: Q15582, ProbeID: 3283−21_1)
raw data
10000
20000
30000
40000
50000
60000
C/C (93)
C/A (165)
A/A (91)
rs2282791 (Chr5:135377730)
Locus 135 top sentinel (tags KORA rs3792900), p=7e−06

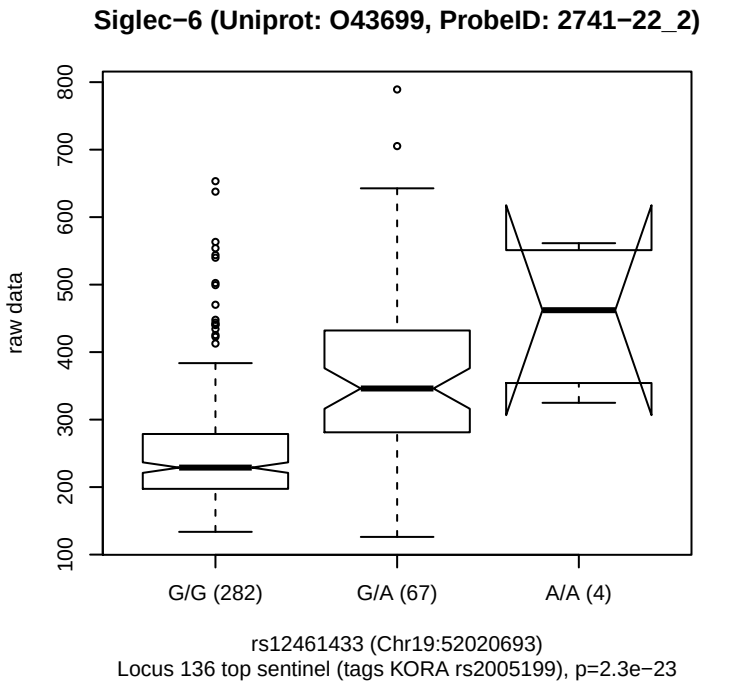

BGH3 (Uniprot: Q15582, ProbeID: 3283−21_1)
Frequency
0
50
100
150
12.5
13.0
13.5
14.0
14.5
15.0
15.5
16.0
log2−scaled data
Transforming growth factor−beta−induced protein ig−h3

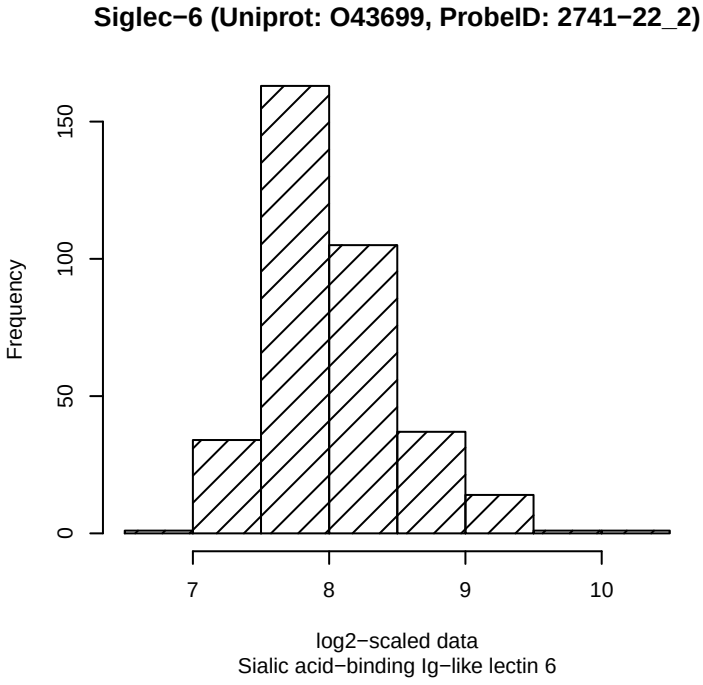

BGH3 (Uniprot: Q15582, ProbeID: 3283−21_1)
log2−scaled data
12.5
13.0
13.5
14.0
14.5
15.0
15.5
C/C (93)
C/A (165)
A/A (91)
rs2282791 (Chr5:135377730)
Locus 135 top sentinel (tags KORA rs3792900), p=1.8e−05, FC=−1.0662

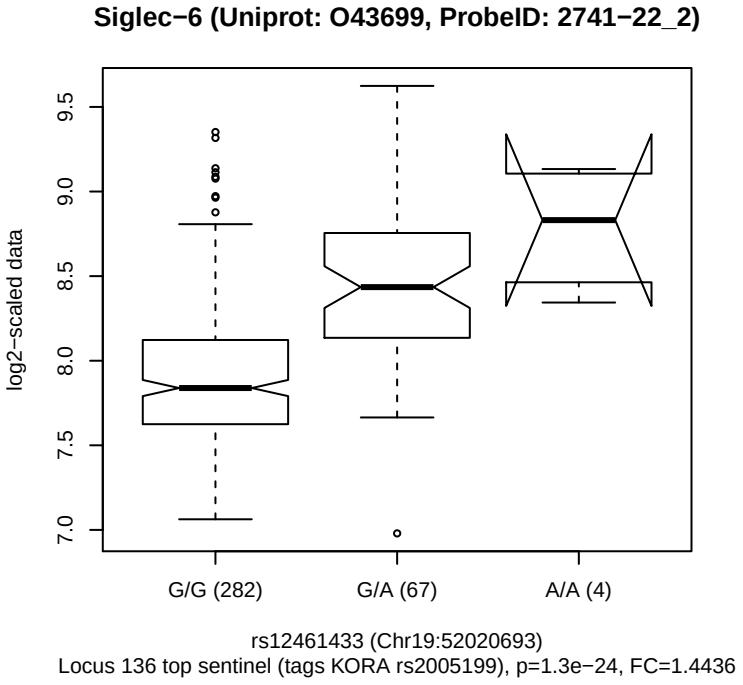

BGH3 (Uniprot: Q15582, ProbeID: 3283−21_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Transforming growth factor−beta−induced protein ig−h3

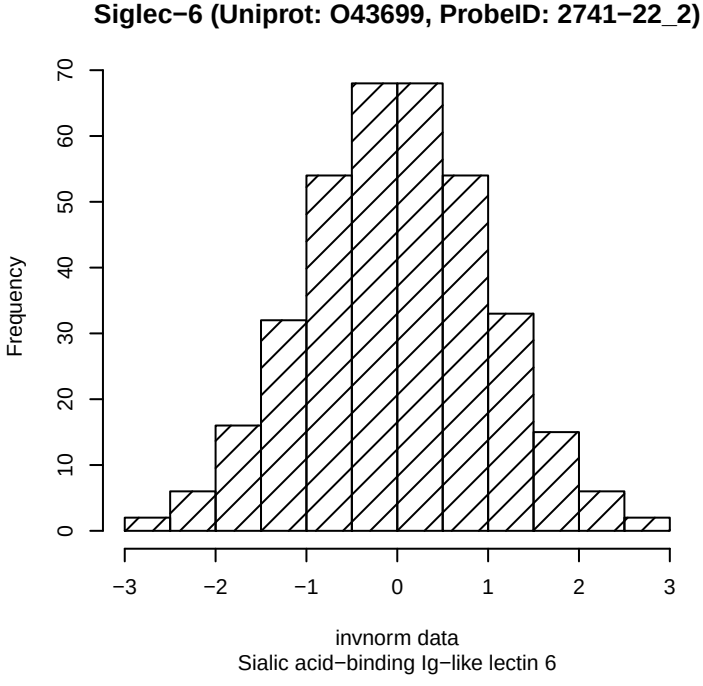

BGH3 (Uniprot: Q15582, ProbeID: 3283−21_1)
invnorm data
−2
−1
0
1
2
C/C (93)
C/A (165)
A/A (91)
rs2282791 (Chr5:135377730)
Locus 135 top sentinel (tags KORA rs3792900), p=2.2e−06

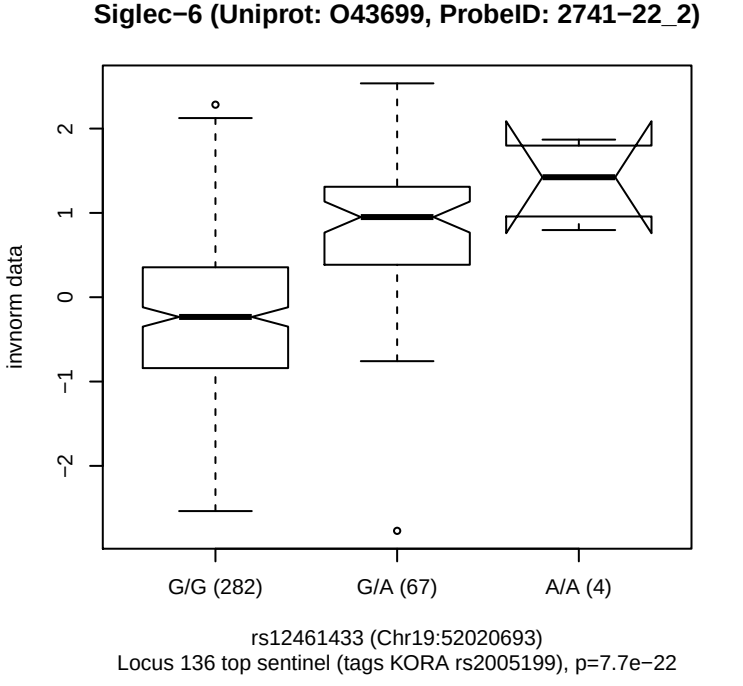

Siglec−6 (Uniprot: O43699, ProbeID: 2741−22_2)
Frequency
0
50
100
150
200
400
600
800
1000
raw data
Sialic acid−binding Ig−like lectin 6

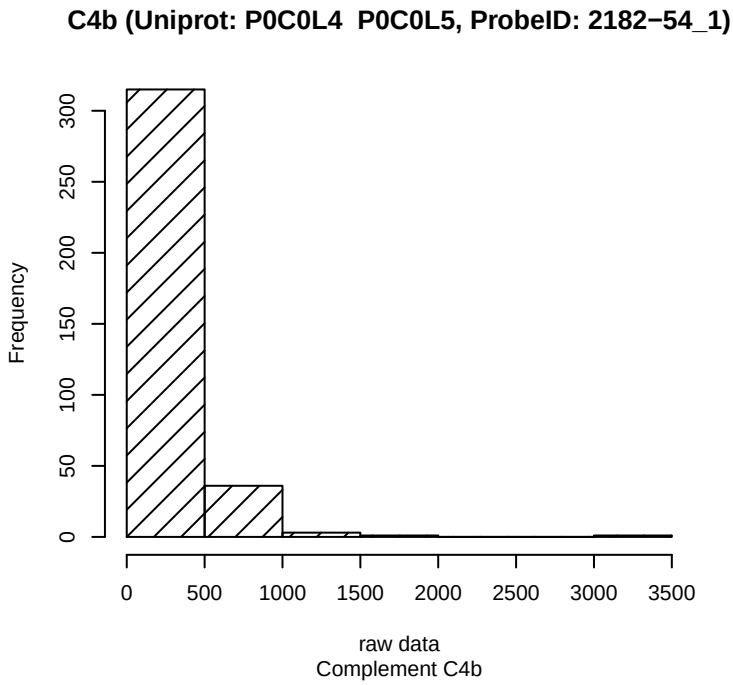

Siglec−6 (Uniprot: O43699, ProbeID: 2741−22_2)
raw data
100
200
300
400
500
600
700
800
G/G (282)
G/A (67)
A/A (4)
rs12461433 (Chr19:52020693)
Locus 136 top sentinel (tags KORA rs2005199), p=2.3e−23

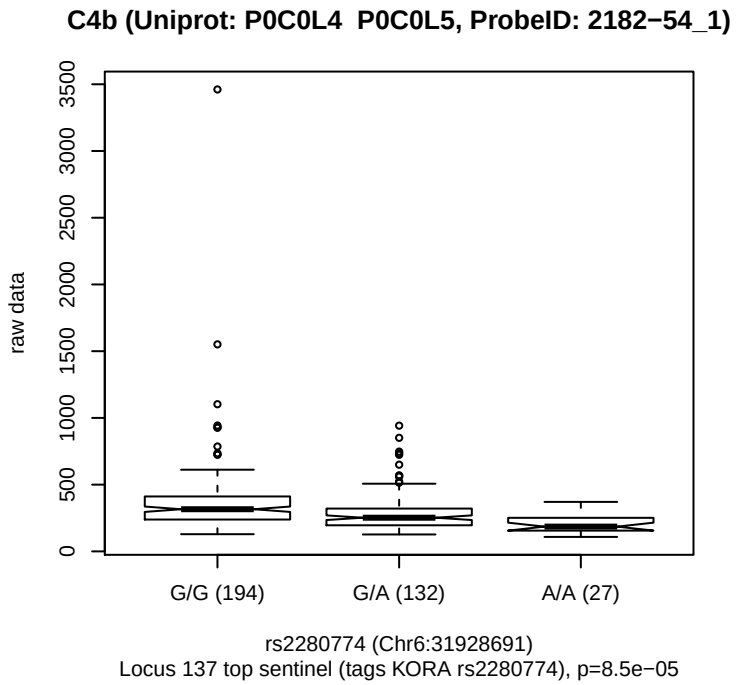

Siglec−6 (Uniprot: O43699, ProbeID: 2741−22_2)
Frequency
0
50
100
150
7
8
9
10
log2−scaled data
Sialic acid−binding Ig−like lectin 6

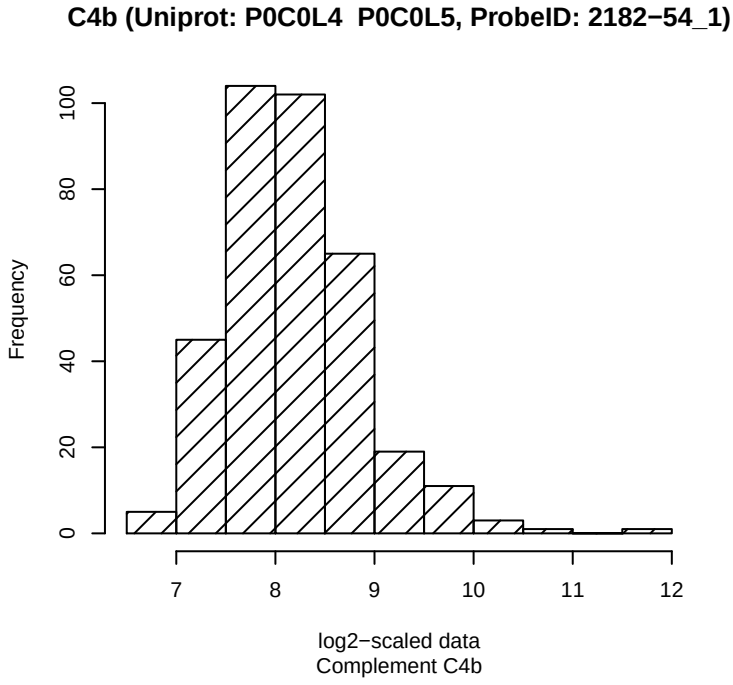

Siglec−6 (Uniprot: O43699, ProbeID: 2741−22_2)
log2−scaled data
7.0
7.5
8.0
8.5
9.0
9.5
G/G (282)
G/A (67)
A/A (4)
rs12461433 (Chr19:52020693)
Locus 136 top sentinel (tags KORA rs2005199), p=1.3e−24, FC=1.4436

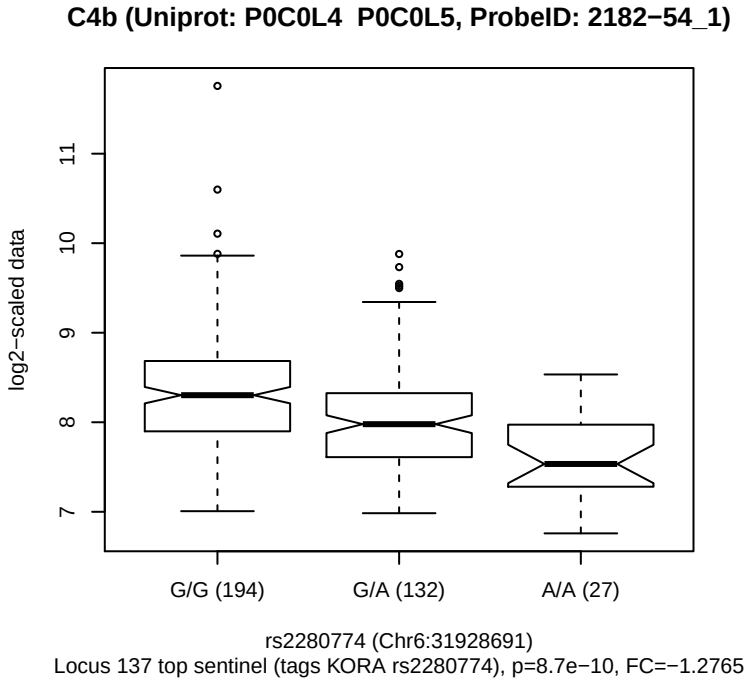

Siglec−6 (Uniprot: O43699, ProbeID: 2741−22_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Sialic acid−binding Ig−like lectin 6

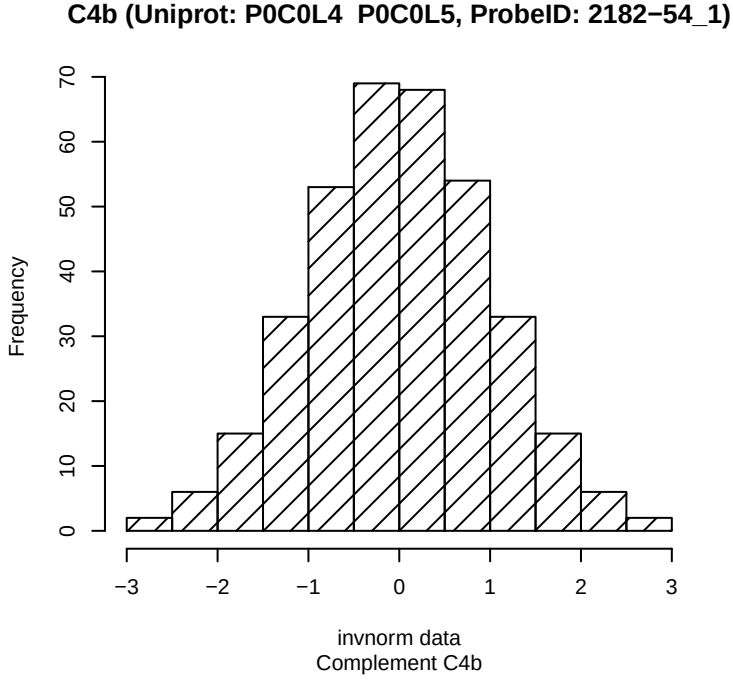

Siglec−6 (Uniprot: O43699, ProbeID: 2741−22_2)
invnorm data
−2
−1
0
1
2
G/G (282)
G/A (67)
A/A (4)
rs12461433 (Chr19:52020693)
Locus 136 top sentinel (tags KORA rs2005199), p=7.7e−22

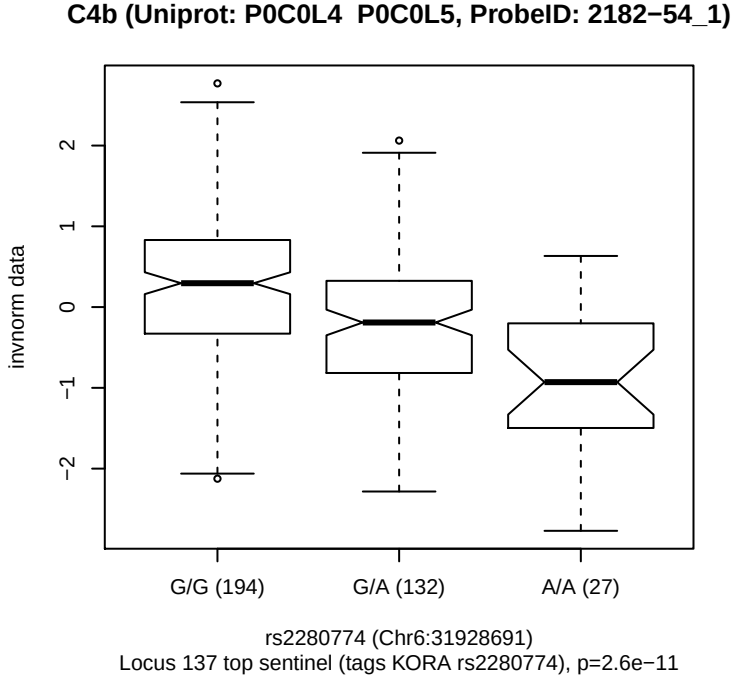

C4b (Uniprot: P0C0L4 P0C0L5, ProbeID: 2182−54_1)
Frequency
0
50
100
150
200
250
300
0
500
1000
1500
2000
2500
3000
3500
raw data
Complement C4b


C4b (Uniprot: P0C0L4 P0C0L5, ProbeID: 2182−54_1)
raw data
0
500
1000
1500
2000
2500
3000
3500
G/G (194)
G/A (132)
A/A (27)
rs2280774 (Chr6:31928691)
Locus 137 top sentinel (tags KORA rs2280774), p=8.5e−05

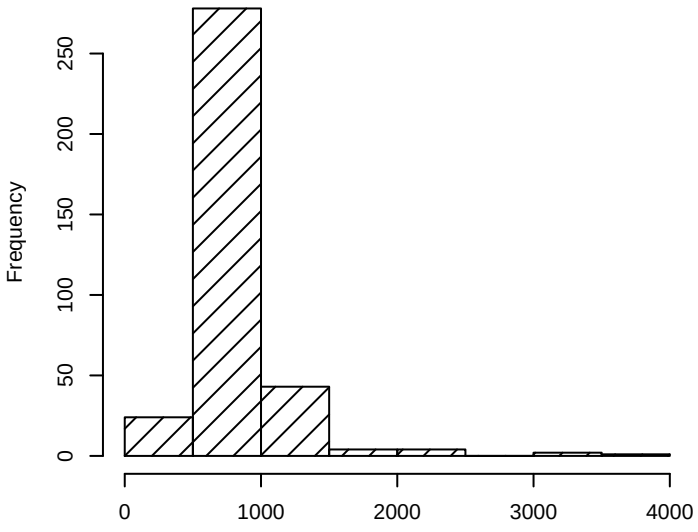

C4b (Uniprot: P0C0L4 P0C0L5, ProbeID: 2182−54_1)
Frequency
0
20
40
60
80
100
7
8
9
10
11
12
log2−scaled data
Complement C4b


C4b (Uniprot: P0C0L4 P0C0L5, ProbeID: 2182−54_1)
log2−scaled data
7
8
9
10
11
G/G (194)
G/A (132)
A/A (27)
rs2280774 (Chr6:31928691)
Locus 137 top sentinel (tags KORA rs2280774), p=8.7e−10, FC=−1.2765

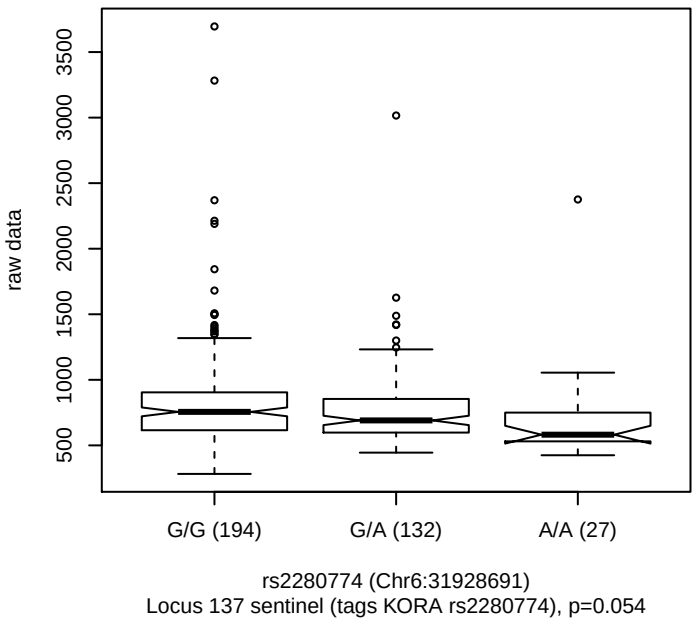

C4b (Uniprot: P0C0L4 P0C0L5, ProbeID: 2182−54_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Complement C4b


C4b (Uniprot: P0C0L4 P0C0L5, ProbeID: 2182−54_1)
invnorm data
−2
−1
0
1
2
G/G (194)
G/A (132)
A/A (27)
rs2280774 (Chr6:31928691)
Locus 137 top sentinel (tags KORA rs2280774), p=2.6e−11

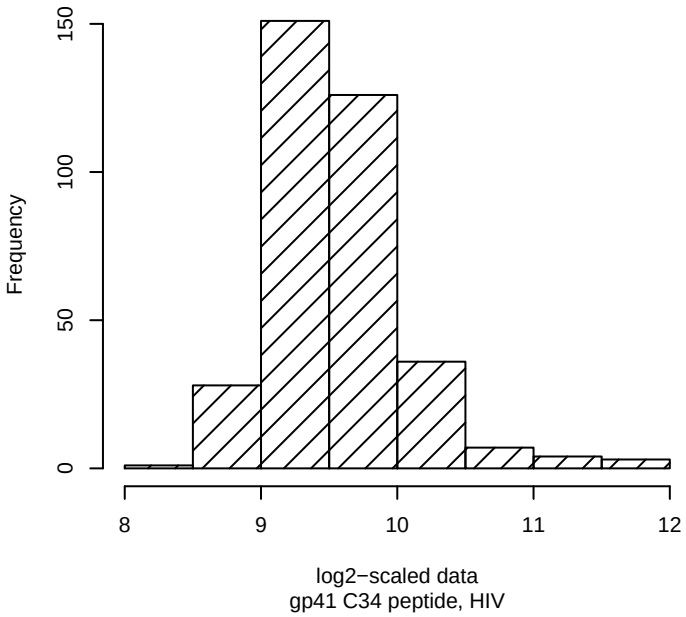
C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5



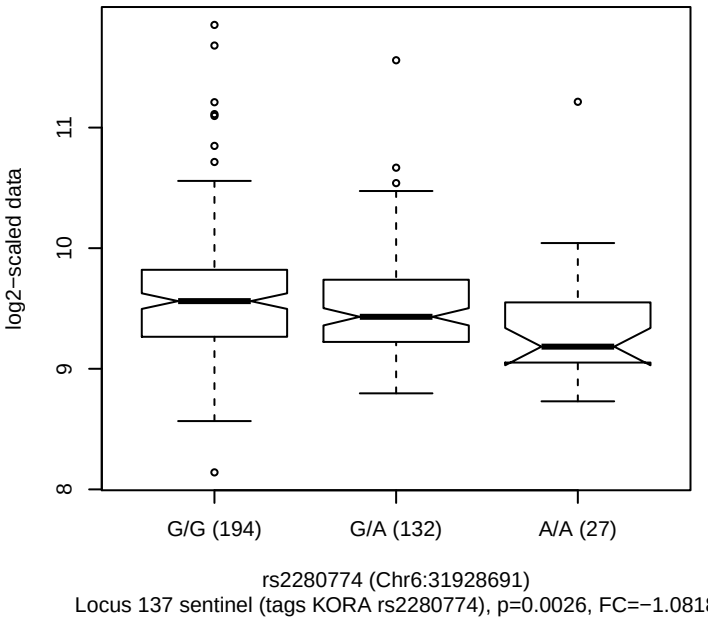
C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5



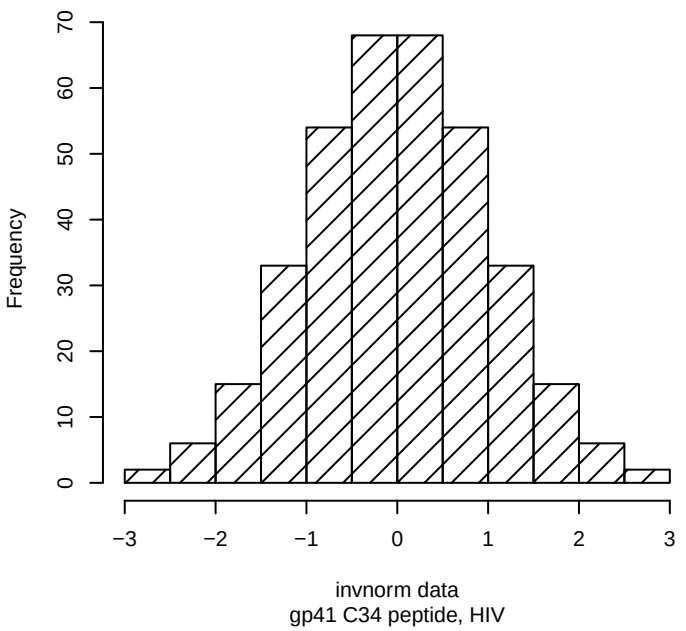
C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5



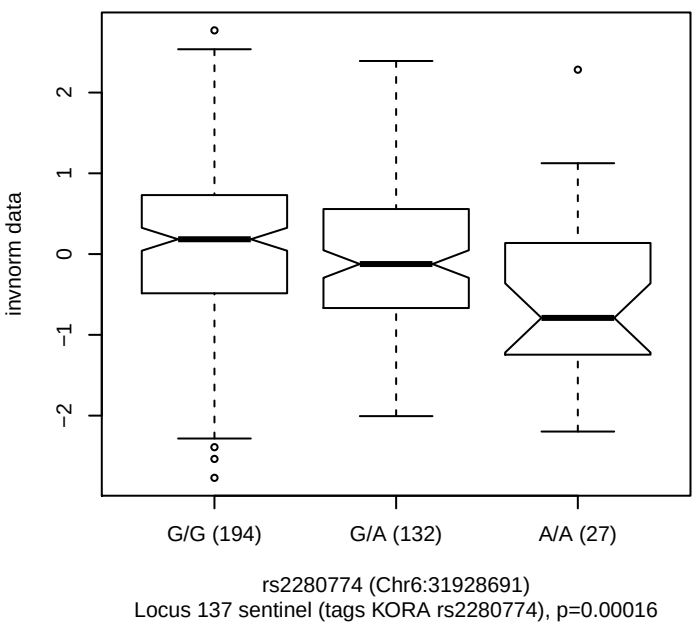
C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5

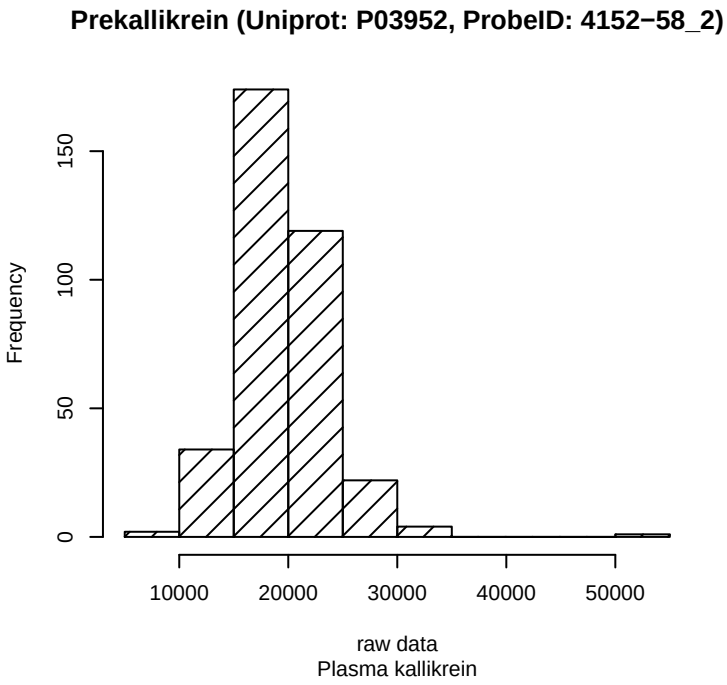


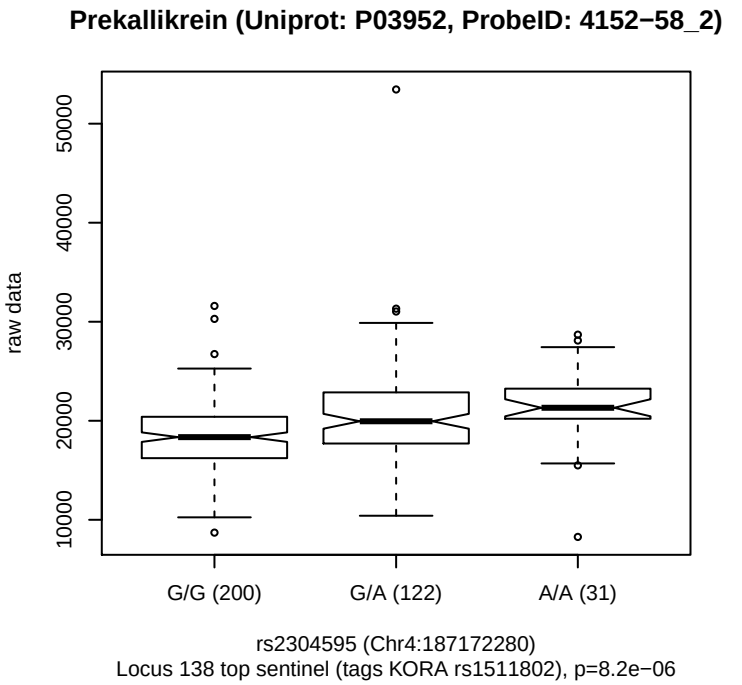
C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5

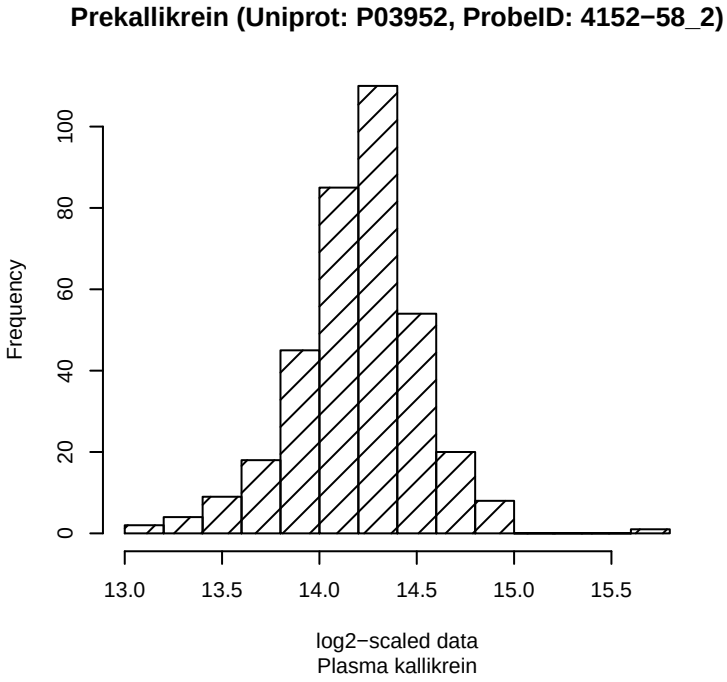


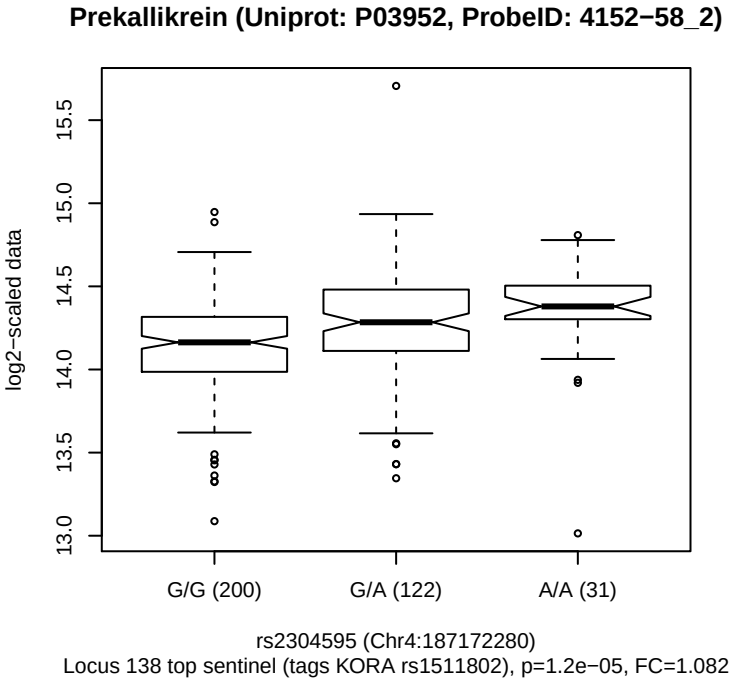
C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5

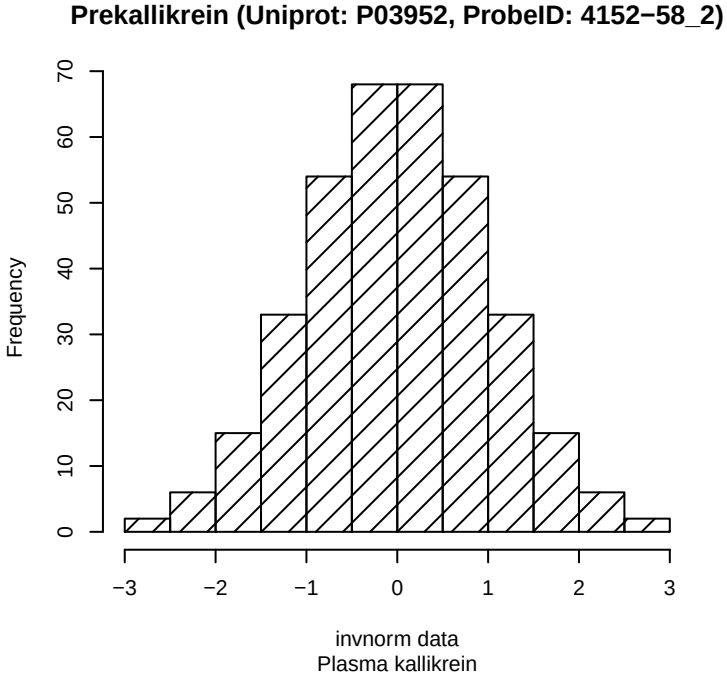


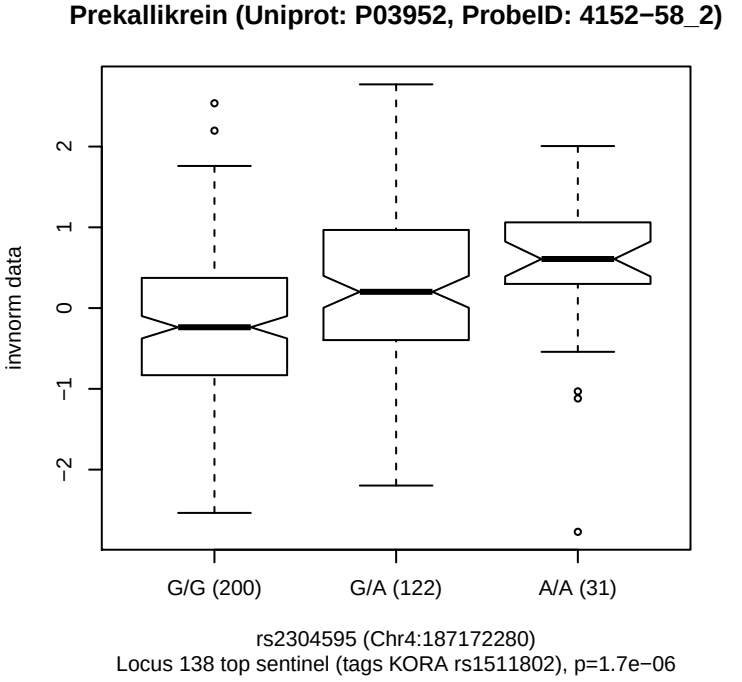

Prekallikrein (Uniprot: P03952, ProbeID: 4152−58_2)
Frequency
0
50
100
150
10000
20000
30000
40000
50000
raw data
Plasma kallikrein

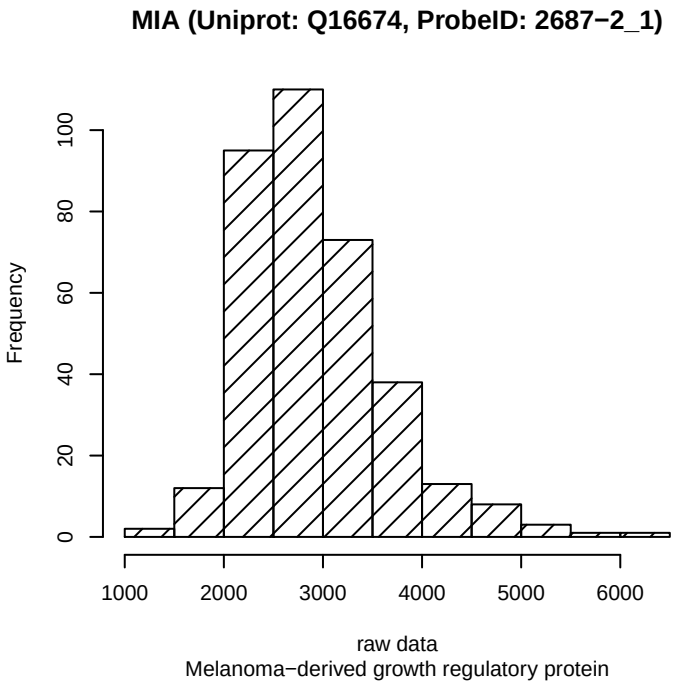

Prekallikrein (Uniprot: P03952, ProbeID: 4152−58_2)
raw data
10000
20000
30000
40000
50000
G/G (200)
G/A (122)
A/A (31)
rs2304595 (Chr4:187172280)
Locus 138 top sentinel (tags KORA rs1511802), p=8.2e−06

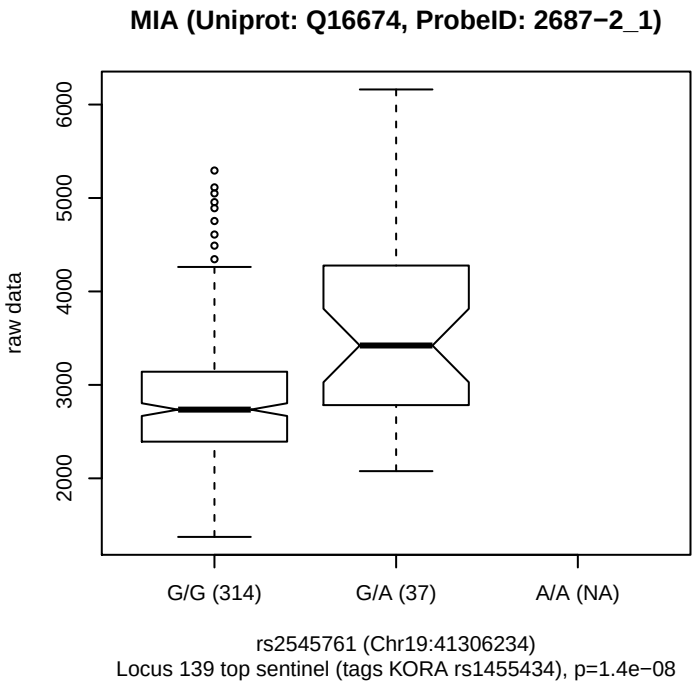

Prekallikrein (Uniprot: P03952, ProbeID: 4152−58_2)
Frequency
0
20
40
60
80
100
13.0
13.5
14.0
14.5
15.0
15.5
log2−scaled data
Plasma kallikrein

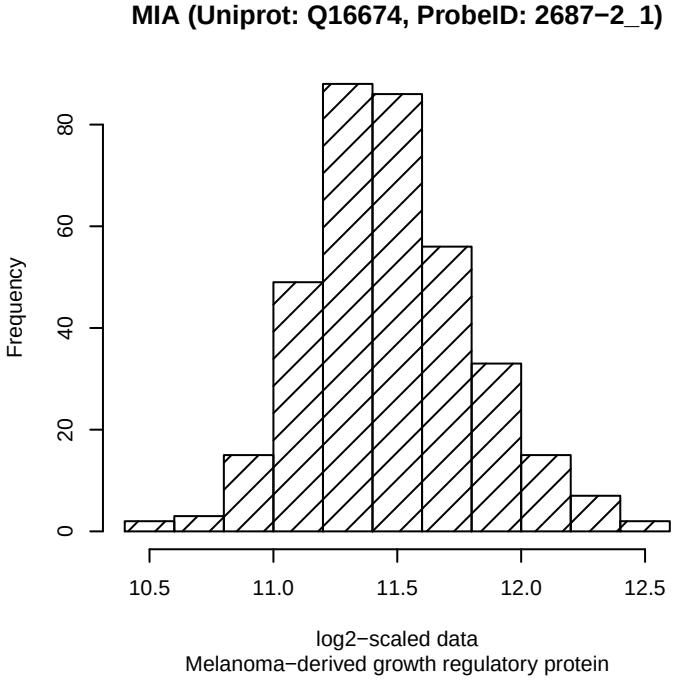

Prekallikrein (Uniprot: P03952, ProbeID: 4152−58_2)
log2−scaled data
13.0
13.5
14.0
14.5
15.0
15.5
G/G (200)
G/A (122)
A/A (31)
rs2304595 (Chr4:187172280)
Locus 138 top sentinel (tags KORA rs1511802), p=1.2e−05, FC=1.082

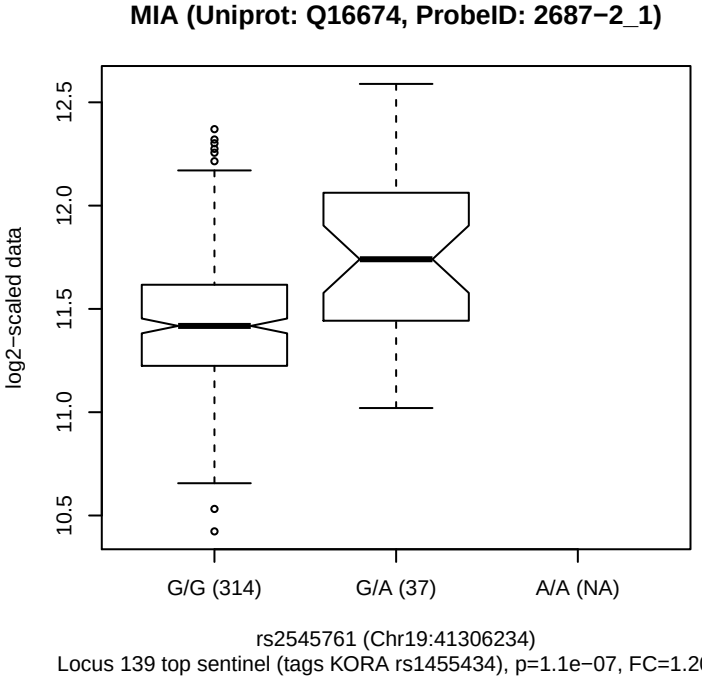

Prekallikrein (Uniprot: P03952, ProbeID: 4152−58_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Plasma kallikrein

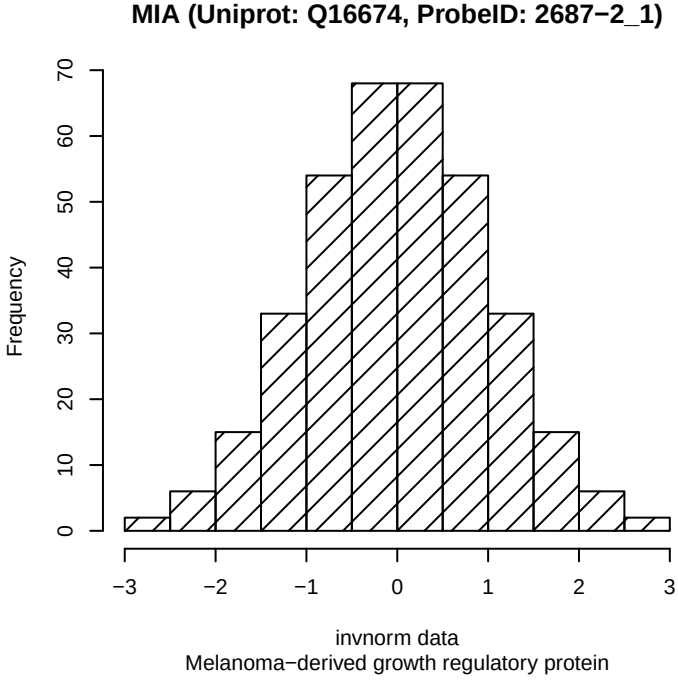

Prekallikrein (Uniprot: P03952, ProbeID: 4152−58_2)
invnorm data
−2
−1
0
1
2
G/G (200)
G/A (122)
A/A (31)
rs2304595 (Chr4:187172280)
Locus 138 top sentinel (tags KORA rs1511802), p=1.7e−06

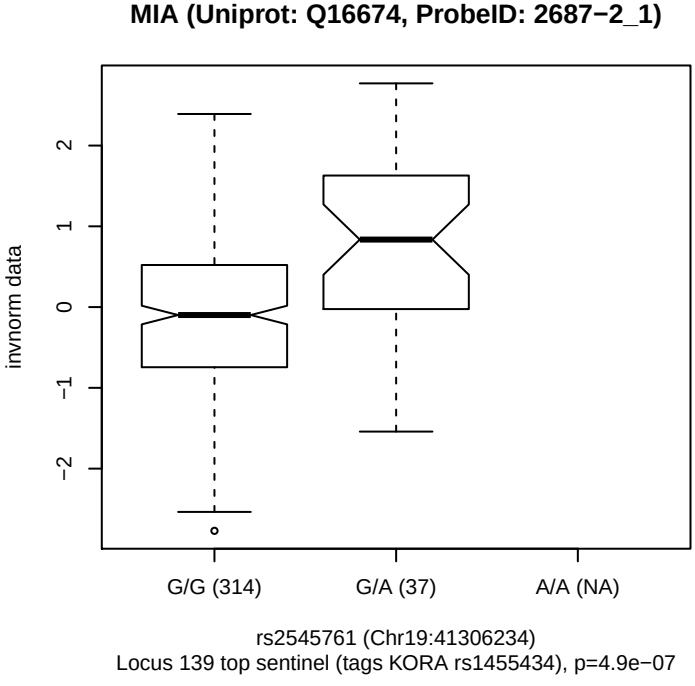

MIA (Uniprot: Q16674, ProbeID: 2687−2_1)
Frequency
0
20
40
60
80
100
1000
2000
3000
4000
5000
6000
raw data
Melanoma−derived growth regulatory protein

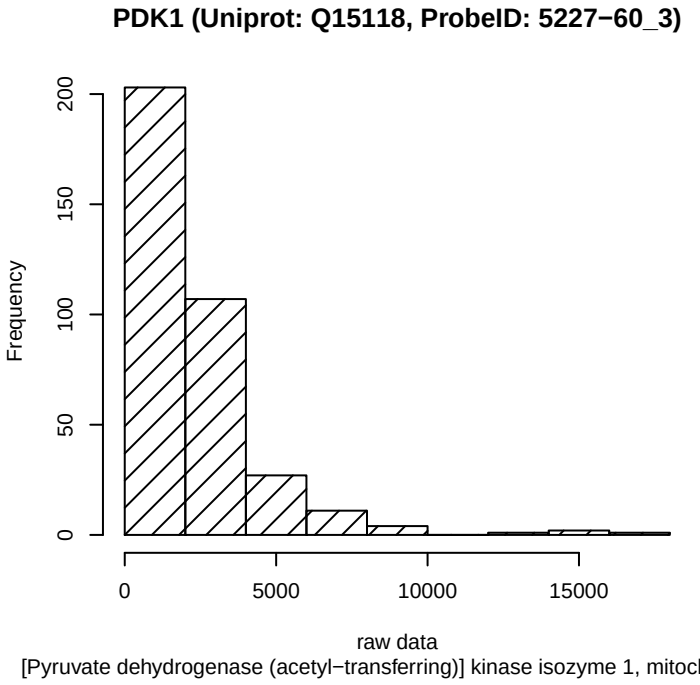

MIA (Uniprot: Q16674, ProbeID: 2687−2_1)
raw data
2000
3000
4000
5000
6000
G/G (314)
G/A (37)
A/A (NA)
rs2545761 (Chr19:41306234)
Locus 139 top sentinel (tags KORA rs1455434), p=1.4e−08


MIA (Uniprot: Q16674, ProbeID: 2687−2_1)
Frequency
0
20
40
60
80
10.5
11.0
11.5
12.0
12.5
log2−scaled data
Melanoma−derived growth regulatory protein

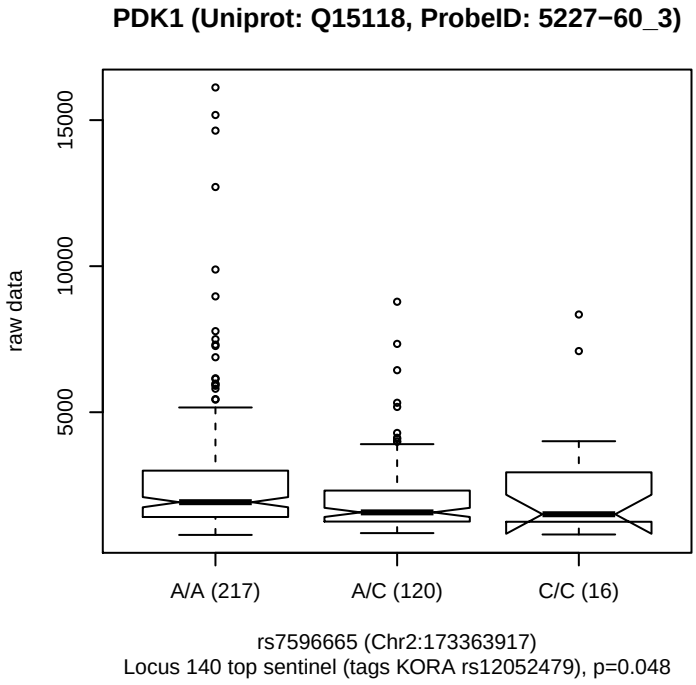

MIA (Uniprot: Q16674, ProbeID: 2687−2_1)
log2−scaled data
10.5
11.0
11.5
12.0
12.5
G/G (314)
G/A (37)
A/A (NA)
rs2545761 (Chr19:41306234)
Locus 139 top sentinel (tags KORA rs1455434), p=1.1e−07, FC=1.2072


MIA (Uniprot: Q16674, ProbeID: 2687−2_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Melanoma−derived growth regulatory protein

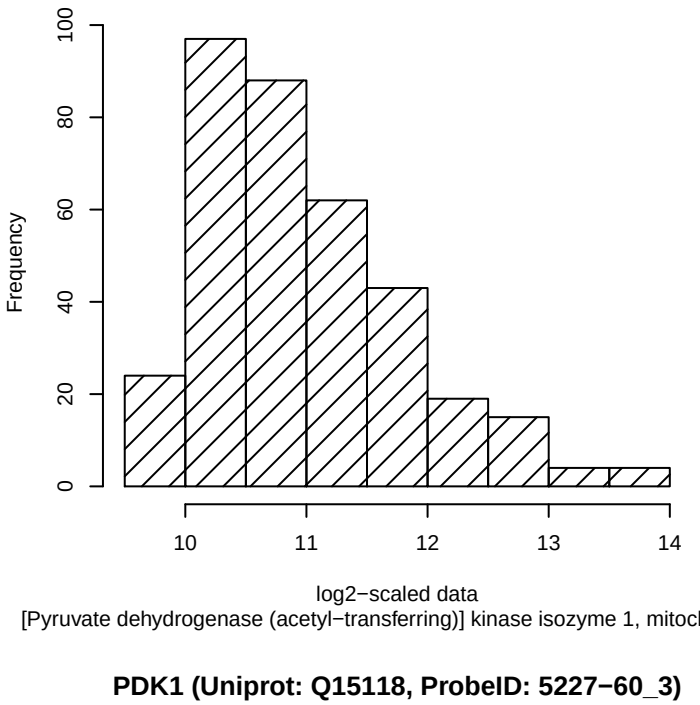

MIA (Uniprot: Q16674, ProbeID: 2687−2_1)
invnorm data
−2
−1
0
1
2
G/G (314)
G/A (37)
A/A (NA)
rs2545761 (Chr19:41306234)
Locus 139 top sentinel (tags KORA rs1455434), p=4.9e−07



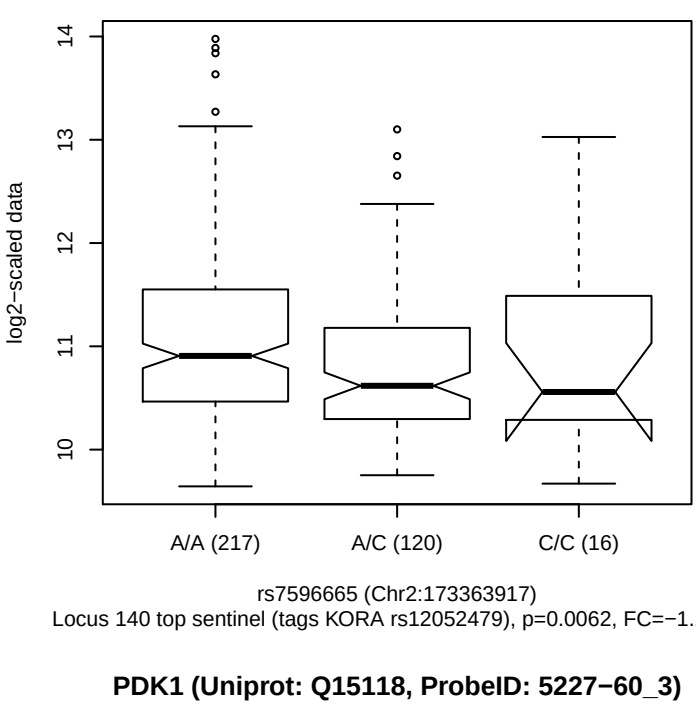
[Pyruvate dehydrogenase (acetyl−transferring)] kinase isozyme 1, mitochond



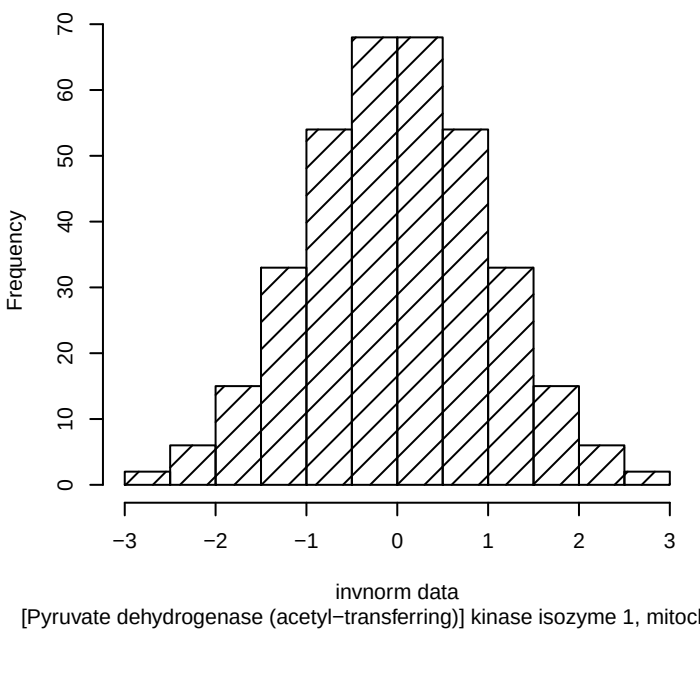
rs7596665 (Chr2:173363917)
Locus 140 top sentinel (tags KORA rs12052479), p=0.048



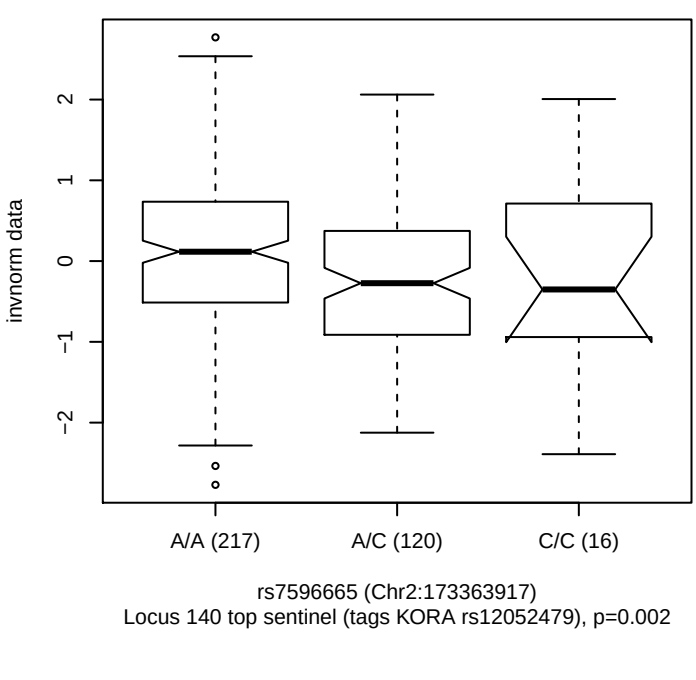
[Pyruvate dehydrogenase (acetyl−transferring)] kinase isozyme 1, mitochond



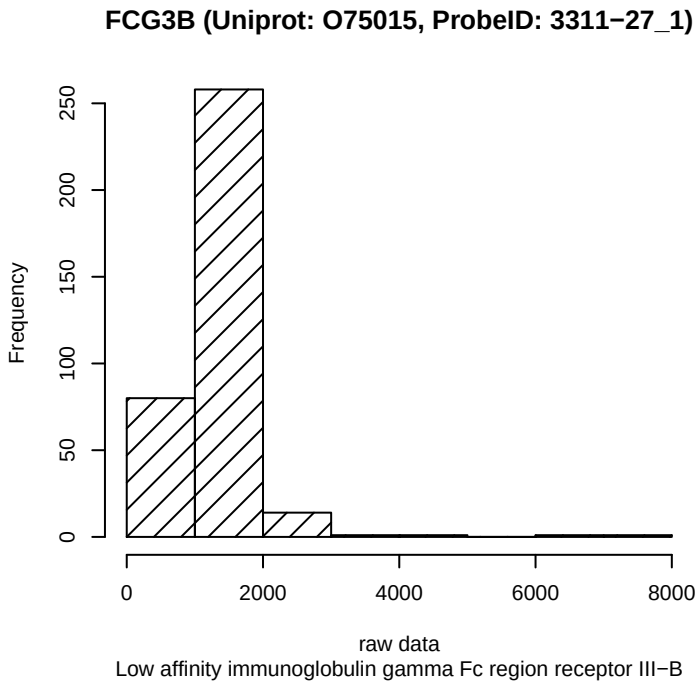
rs7596665 (Chr2:173363917)
Locus 140 top sentinel (tags KORA rs12052479), p=0.0062, FC=−1.1343

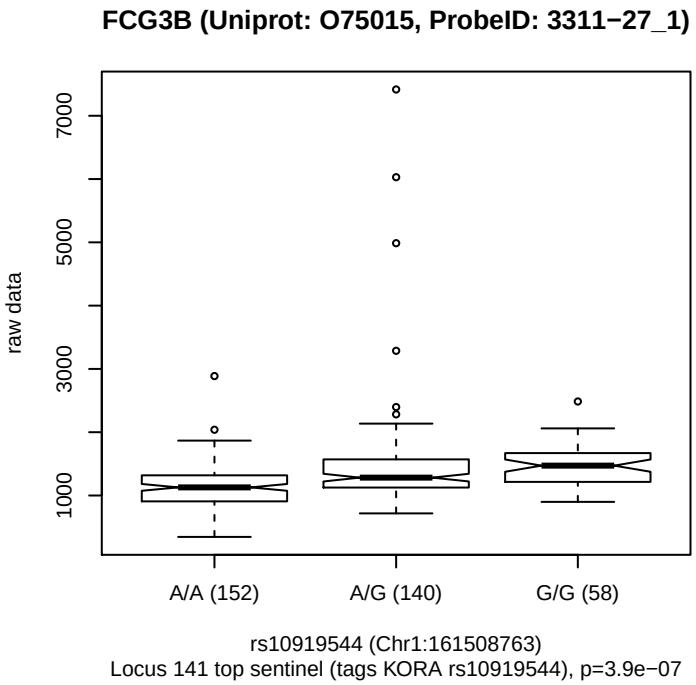


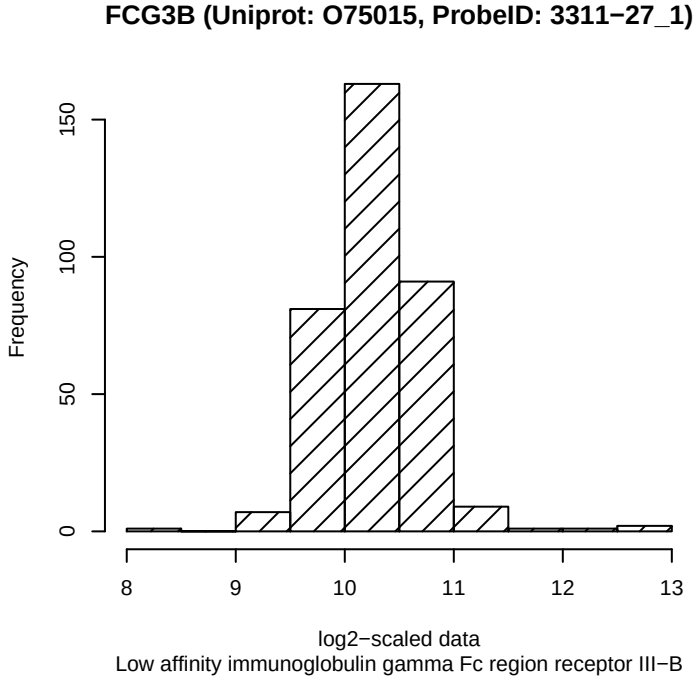
[Pyruvate dehydrogenase (acetyl−transferring)] kinase isozyme 1, mitochond

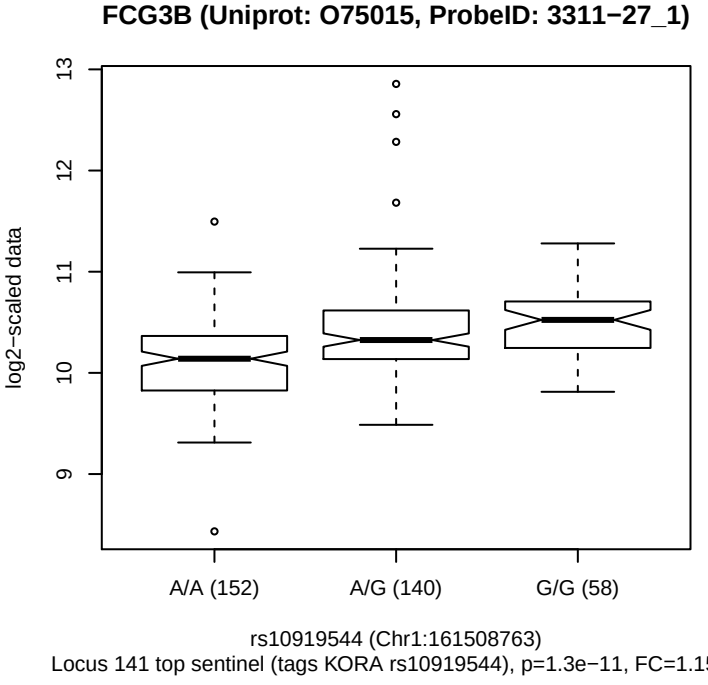


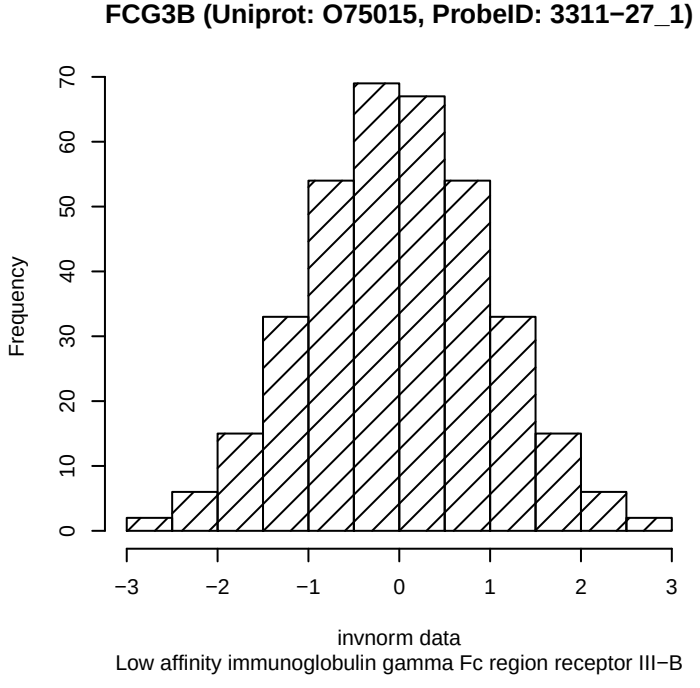
rs7596665 (Chr2:173363917)
Locus 140 top sentinel (tags KORA rs12052479), p=0.002

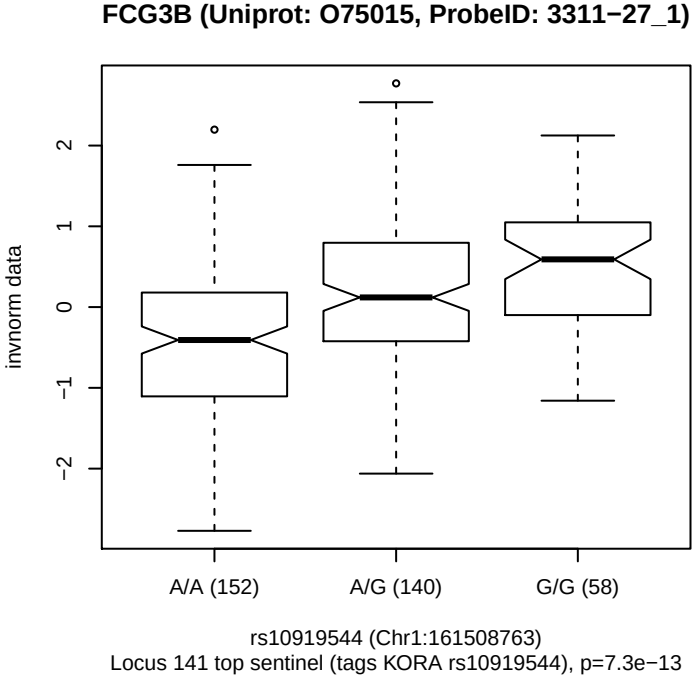

FCG3B (Uniprot: O75015, ProbeID: 3311−27_1)
Frequency
0
50
100
150
200
250
0
2000
4000
6000
8000
raw data
Low affinity immunoglobulin gamma Fc region receptor III−B

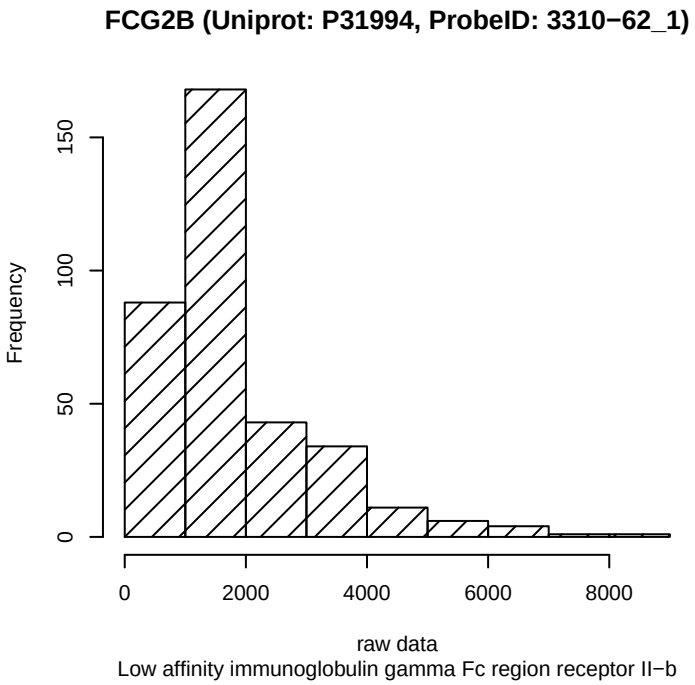

FCG3B (Uniprot: O75015, ProbeID: 3311−27_1)
raw data
1000
3000
5000
7000
A/A (152)
A/G (140)
G/G (58)
rs10919544 (Chr1:161508763)
Locus 141 top sentinel (tags KORA rs10919544), p=3.9e−07

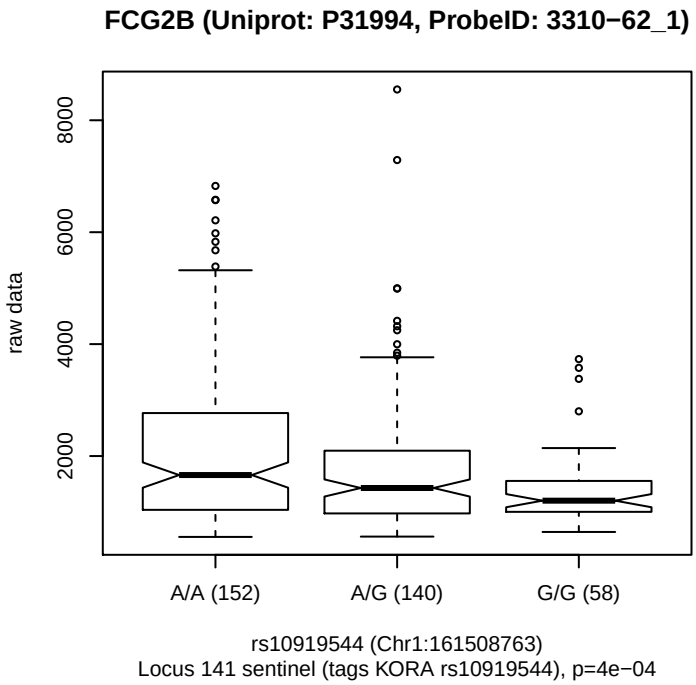

FCG3B (Uniprot: O75015, ProbeID: 3311−27_1)
Frequency
0
50
100
150
8
9
10
11
12
13
log2−scaled data
Low affinity immunoglobulin gamma Fc region receptor III−B

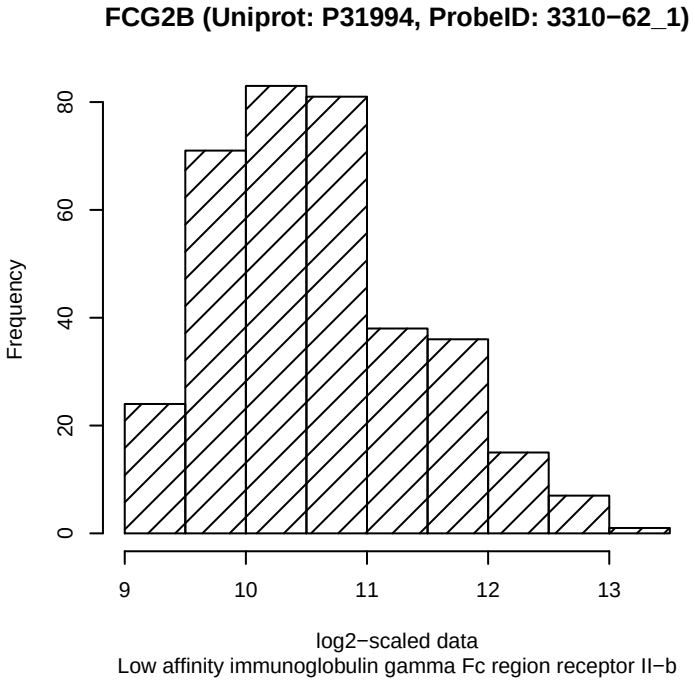

FCG3B (Uniprot: O75015, ProbeID: 3311−27_1)
log2−scaled data
9
10
11
12
13
A/A (152)
A/G (140)
G/G (58)
rs10919544 (Chr1:161508763)
Locus 141 top sentinel (tags KORA rs10919544), p=1.3e−11, FC=1.1569

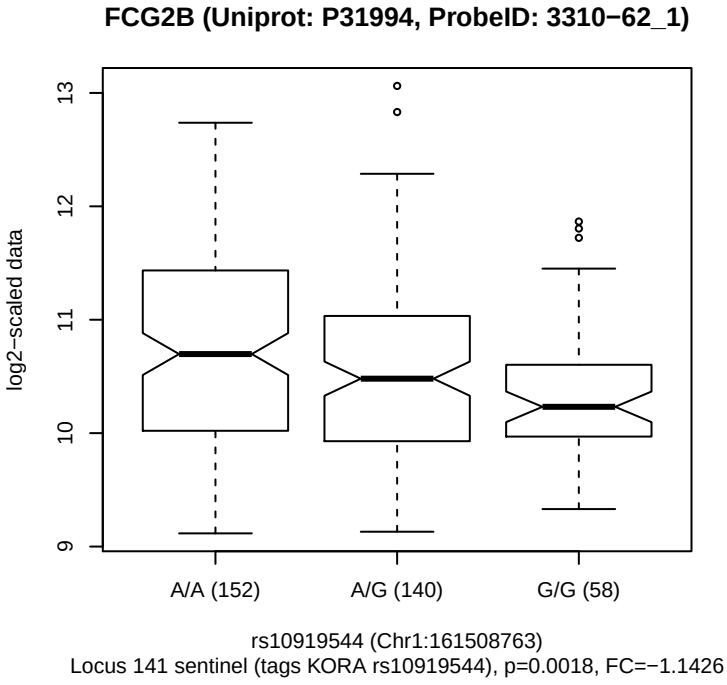

FCG3B (Uniprot: O75015, ProbeID: 3311−27_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Low affinity immunoglobulin gamma Fc region receptor III−B

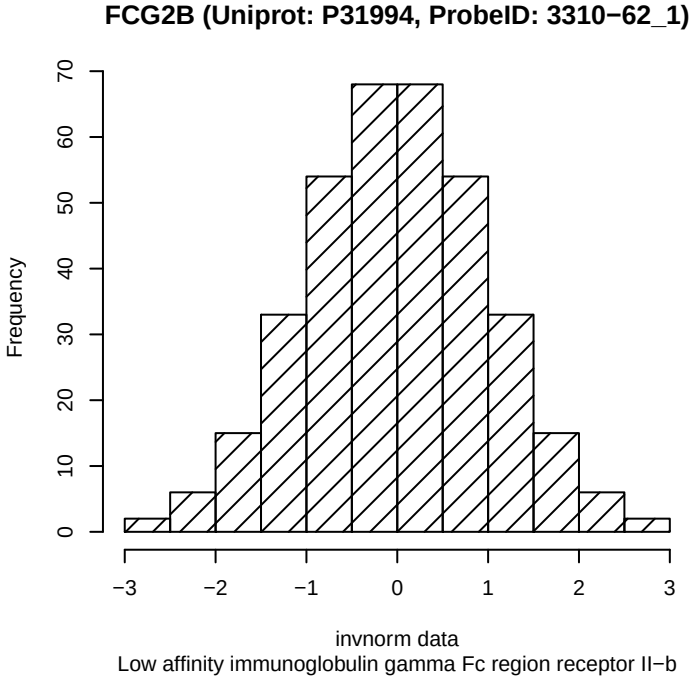

FCG3B (Uniprot: O75015, ProbeID: 3311−27_1)
invnorm data
−2
−1
0
1
2
A/A (152)
A/G (140)
G/G (58)
rs10919544 (Chr1:161508763)
Locus 141 top sentinel (tags KORA rs10919544), p=7.3e−13

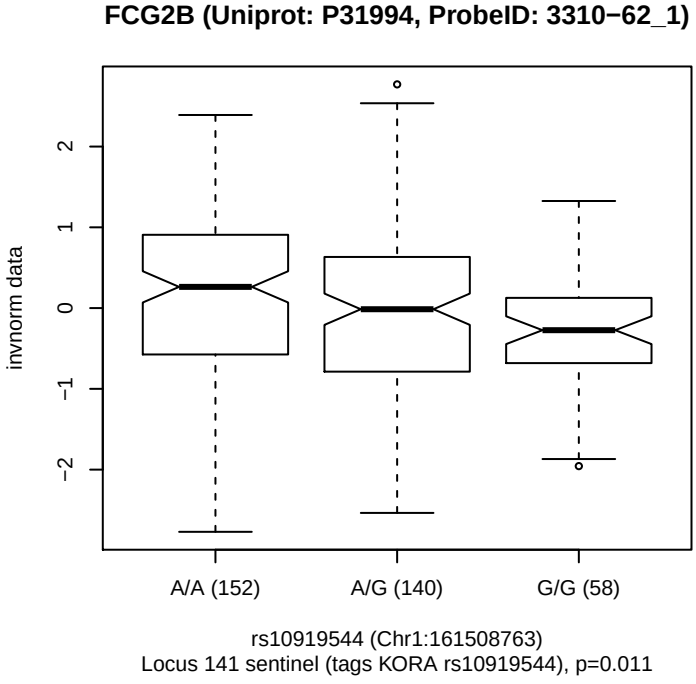

FCG2B (Uniprot: P31994, ProbeID: 3310−62_1)
Frequency
0
50
100
150
0
2000
4000
6000
8000
raw data
Low affinity immunoglobulin gamma Fc region receptor II−b

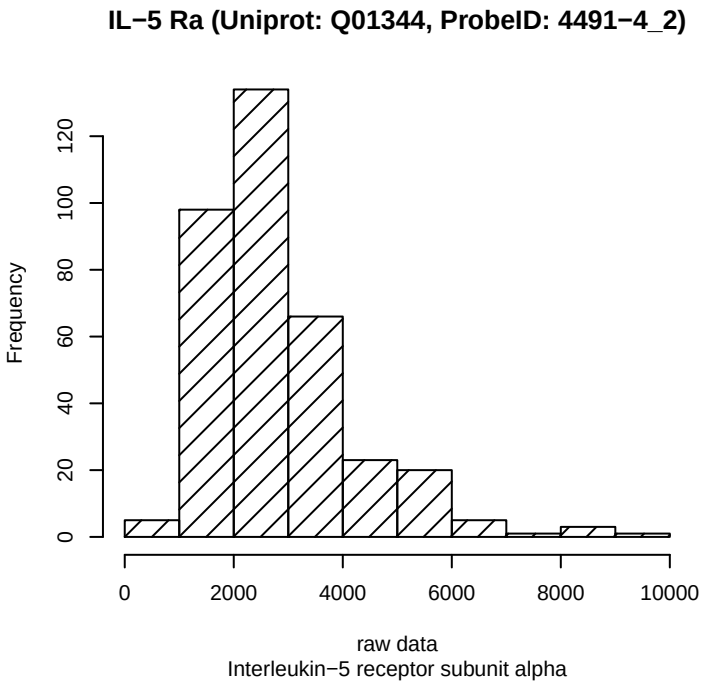

FCG2B (Uniprot: P31994, ProbeID: 3310−62_1)
raw data
2000
4000
6000
8000
A/A (152)
A/G (140)
G/G (58)
rs10919544 (Chr1:161508763)
Locus 141 sentinel (tags KORA rs10919544), p=4e−04

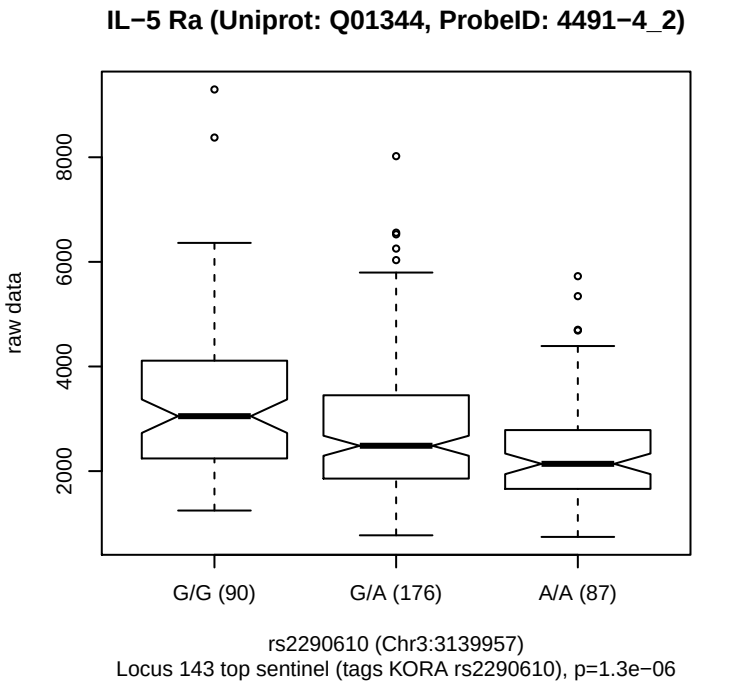

FCG2B (Uniprot: P31994, ProbeID: 3310−62_1)
Frequency
0
20
40
60
80
9
10
11
12
13
log2−scaled data
Low affinity immunoglobulin gamma Fc region receptor II−b

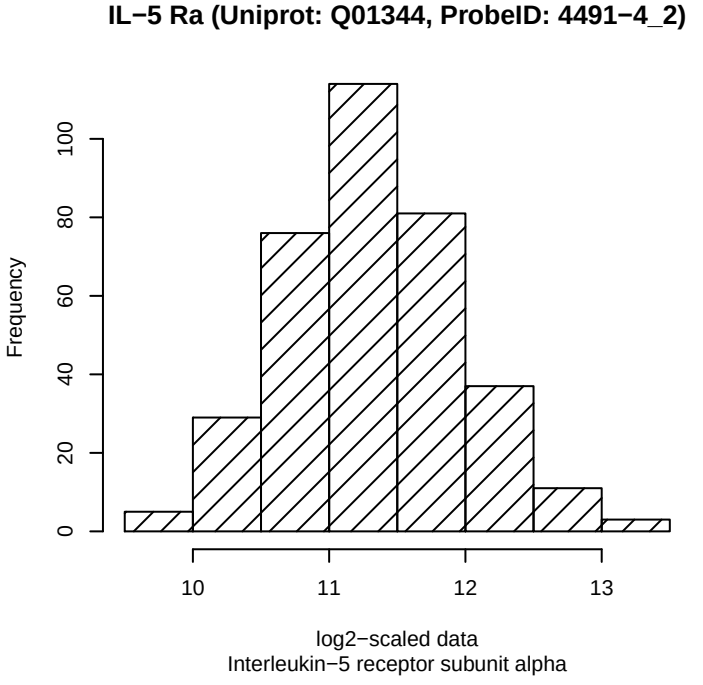

FCG2B (Uniprot: P31994, ProbeID: 3310−62_1)
log2−scaled data
9
10
11
12
13
A/A (152)
A/G (140)
G/G (58)
rs10919544 (Chr1:161508763)
Locus 141 sentinel (tags KORA rs10919544), p=0.0018, FC=−1.1426

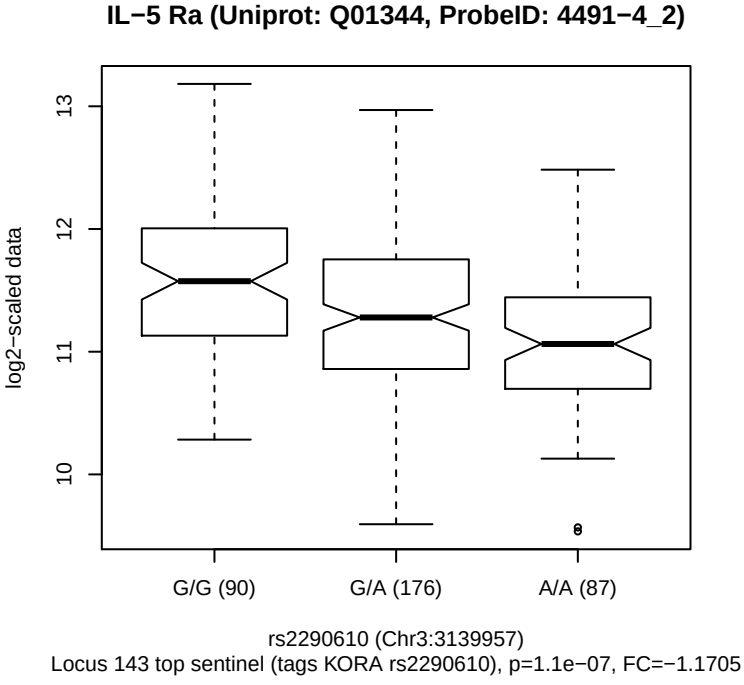

FCG2B (Uniprot: P31994, ProbeID: 3310−62_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Low affinity immunoglobulin gamma Fc region receptor II−b

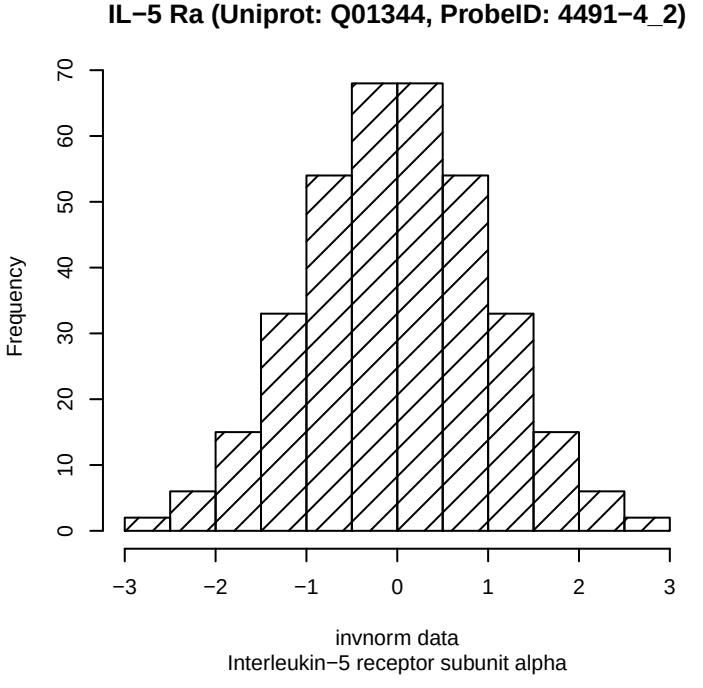

FCG2B (Uniprot: P31994, ProbeID: 3310−62_1)
invnorm data
−2
−1
0
1
2
A/A (152)
A/G (140)
G/G (58)
rs10919544 (Chr1:161508763)
Locus 141 sentinel (tags KORA rs10919544), p=0.011

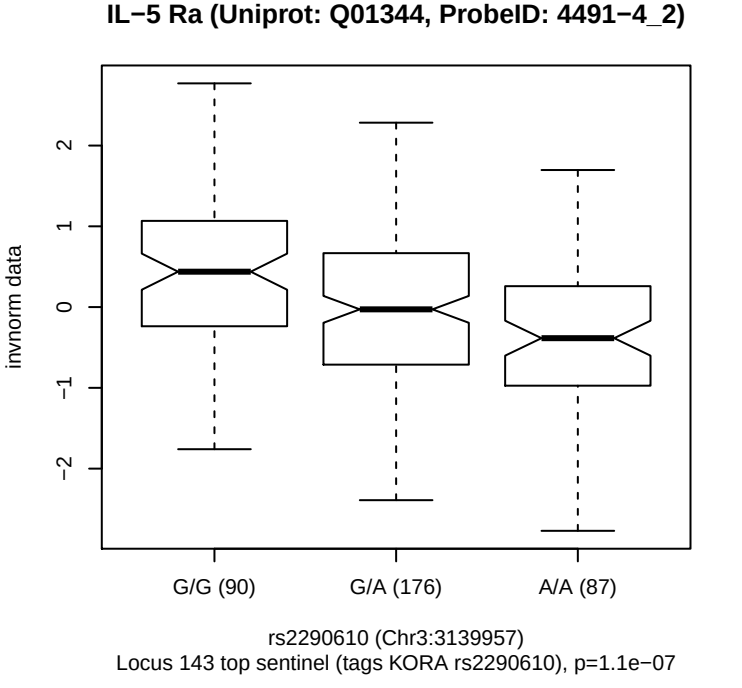

IL−5 Ra (Uniprot: Q01344, ProbeID: 4491−4_2)
Frequency
0
20
40
60
80
100
120
0
2000
4000
6000
8000
10000
raw data
Interleukin−5 receptor subunit alpha

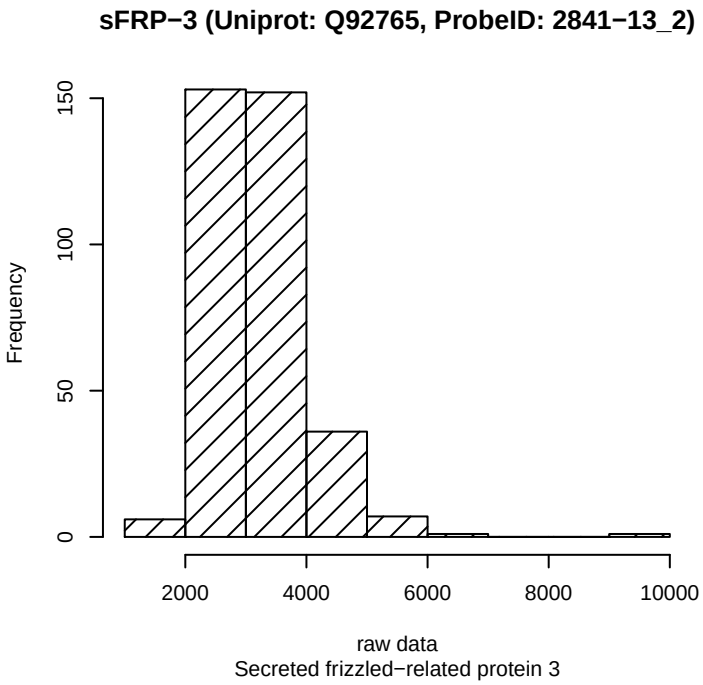

IL−5 Ra (Uniprot: Q01344, ProbeID: 4491−4_2)
raw data
2000
4000
6000
8000
G/G (90)
G/A (176)
A/A (87)
rs2290610 (Chr3:3139957)
Locus 143 top sentinel (tags KORA rs2290610), p=1.3e−06

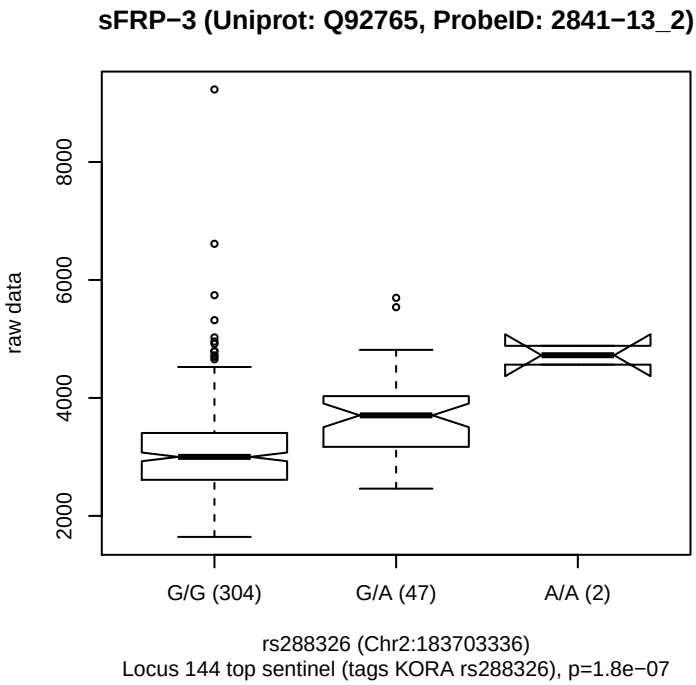

IL−5 Ra (Uniprot: Q01344, ProbeID: 4491−4_2)
Frequency
0
20
40
60
80
100
10
11
12
13
log2−scaled data
Interleukin−5 receptor subunit alpha

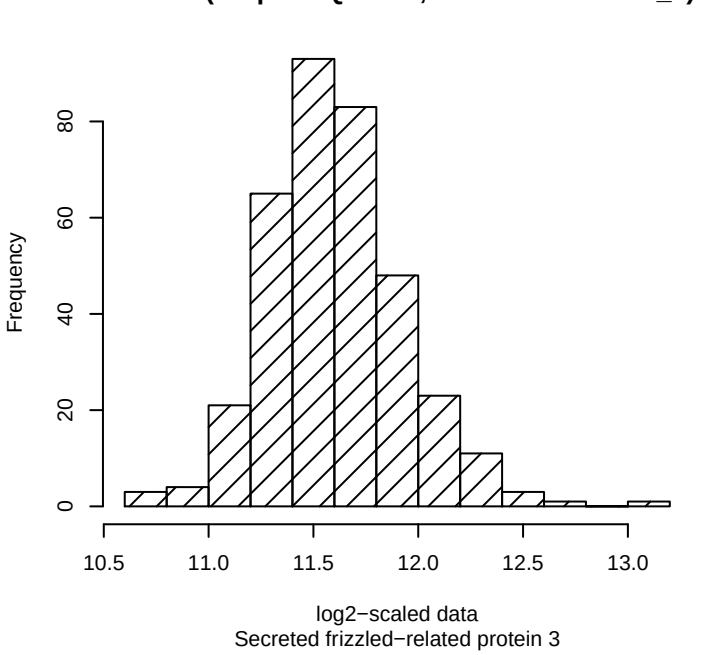

IL−5 Ra (Uniprot: Q01344, ProbeID: 4491−4_2)
log2−scaled data
10
11
12
13
G/G (90)
G/A (176)
A/A (87)
rs2290610 (Chr3:3139957)
Locus 143 top sentinel (tags KORA rs2290610), p=1.1e−07, FC=−1.1705

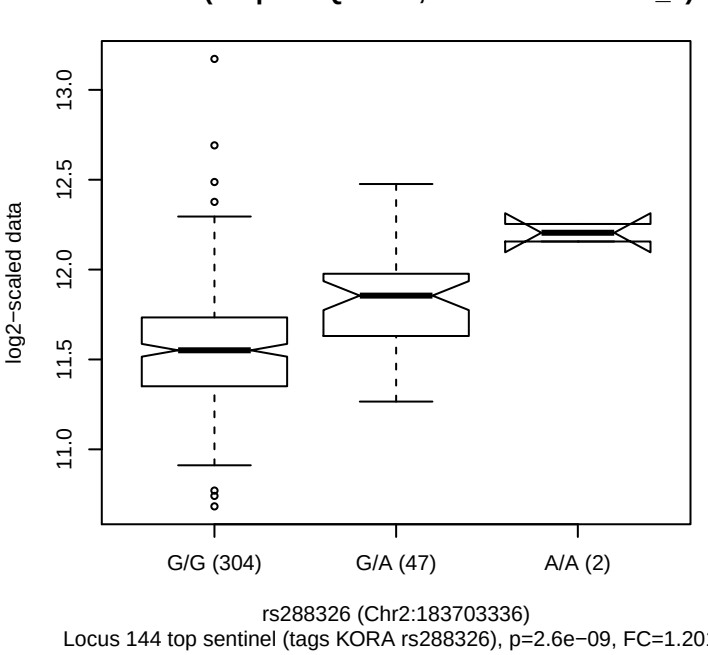

IL−5 Ra (Uniprot: Q01344, ProbeID: 4491−4_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−5 receptor subunit alpha

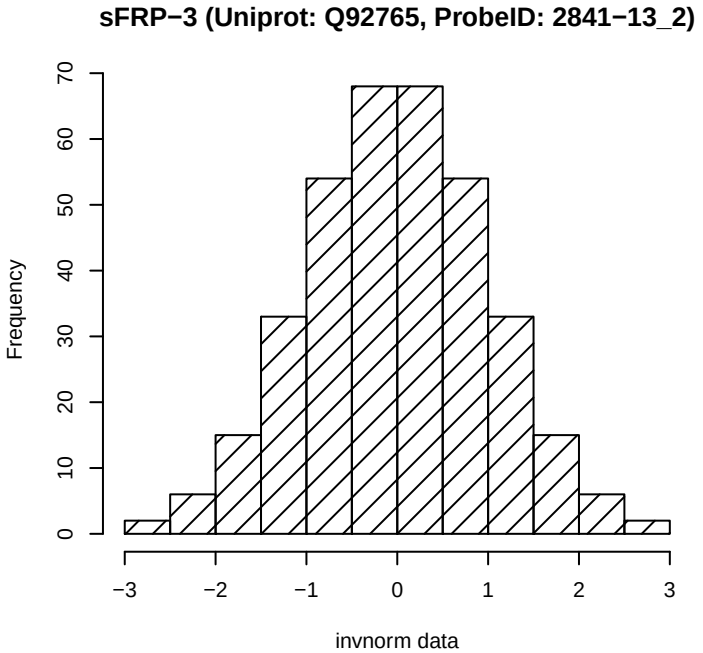

IL−5 Ra (Uniprot: Q01344, ProbeID: 4491−4_2)
invnorm data
−2
−1
0
1
2
G/G (90)
G/A (176)
A/A (87)
rs2290610 (Chr3:3139957)
Locus 143 top sentinel (tags KORA rs2290610), p=1.1e−07

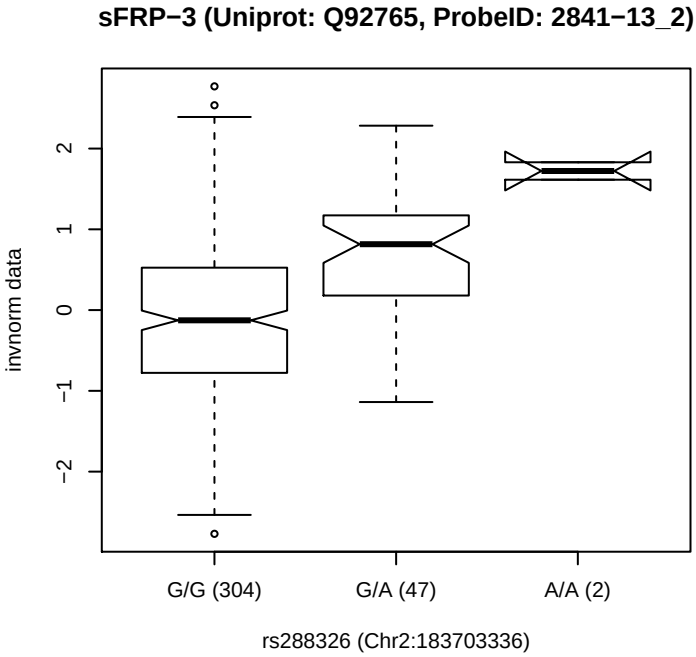

sFRP−3 (Uniprot: Q92765, ProbeID: 2841−13_2)
Frequency
0
50
100
150
2000
4000
6000
8000
10000
raw data
Secreted frizzled−related protein 3

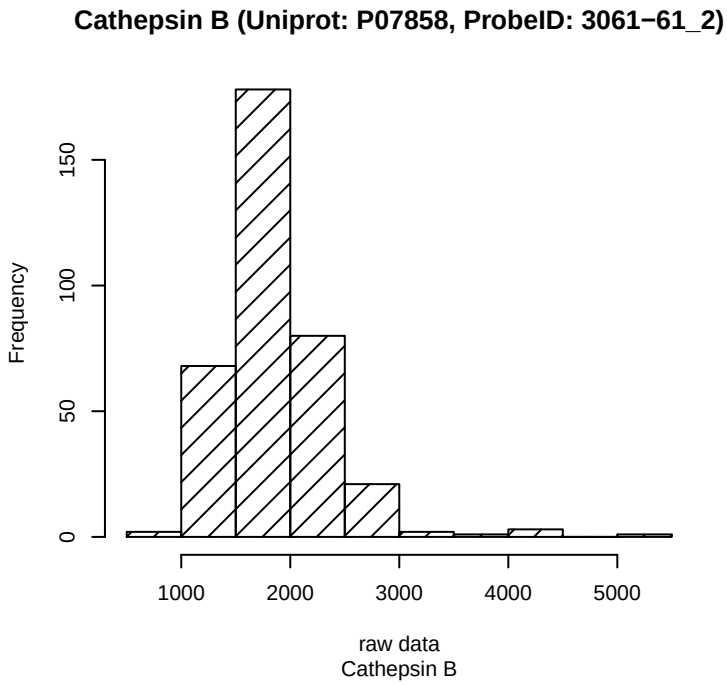

sFRP−3 (Uniprot: Q92765, ProbeID: 2841−13_2)
raw data
2000
4000
6000
8000
G/G (304)
G/A (47)
A/A (2)
rs288326 (Chr2:183703336)
Locus 144 top sentinel (tags KORA rs288326), p=1.8e−07

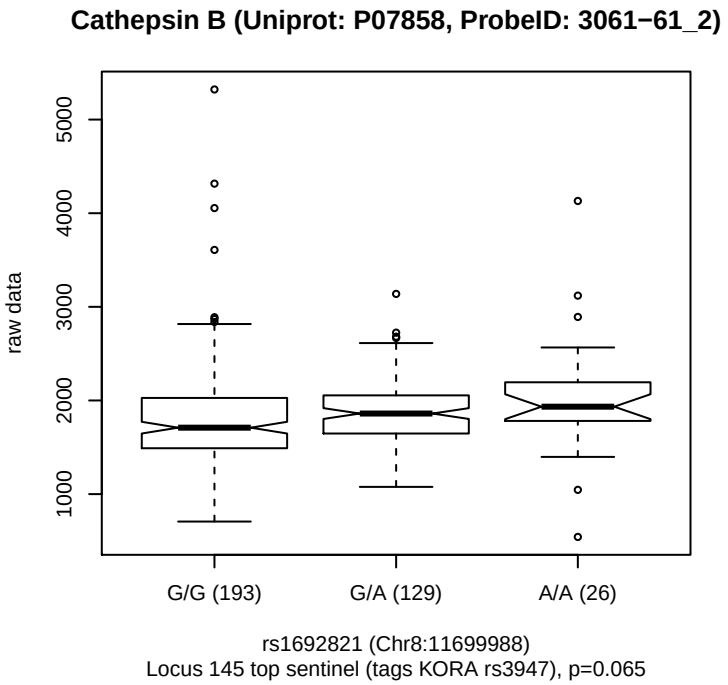

sFRP−3 (Uniprot: Q92765, ProbeID: 2841−13_2)
Frequency
0
20
40
60
80
10.5
11.0
11.5
12.0
12.5
13.0
log2−scaled data
Secreted frizzled−related protein 3

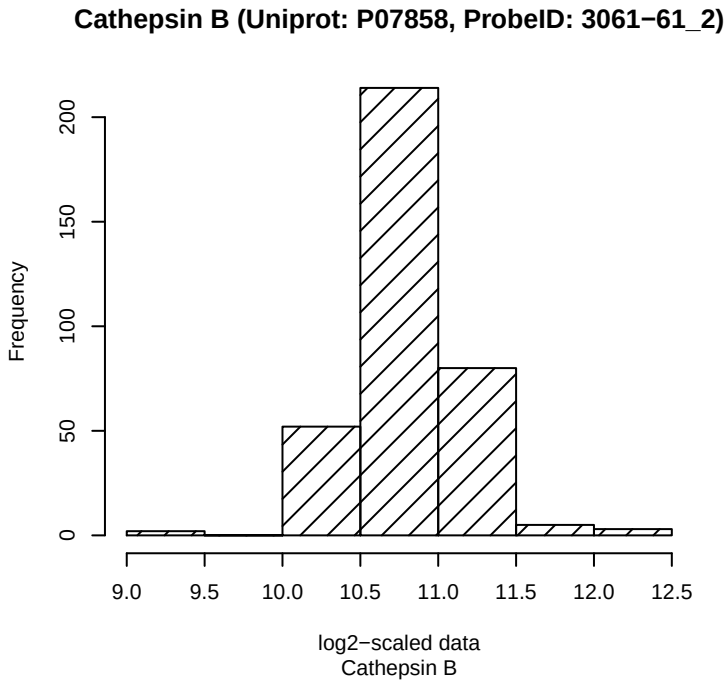

sFRP−3 (Uniprot: Q92765, ProbeID: 2841−13_2)
log2−scaled data
11.0
11.5
12.0
12.5
13.0
G/G (304)
G/A (47)
A/A (2)
rs288326 (Chr2:183703336)
Locus 144 top sentinel (tags KORA rs288326), p=2.6e−09, FC=1.2016

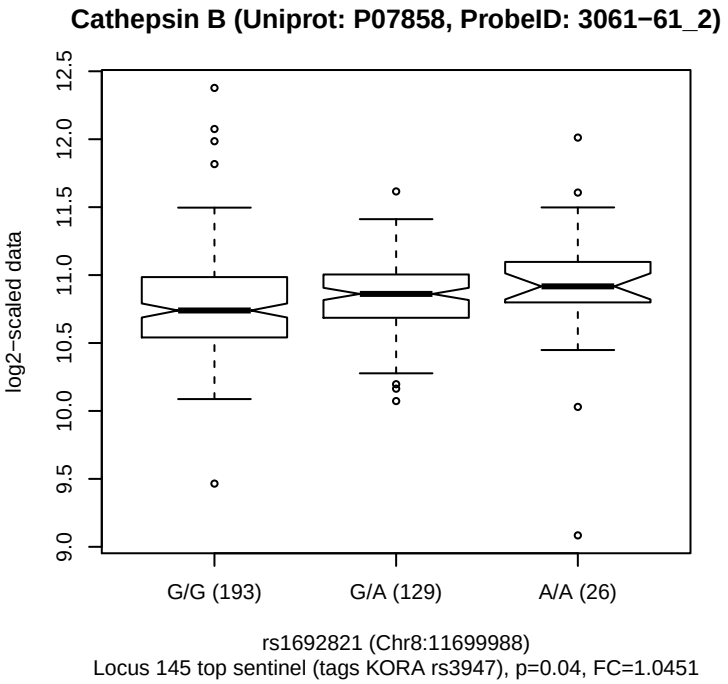

sFRP−3 (Uniprot: Q92765, ProbeID: 2841−13_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Secreted frizzled−related protein 3

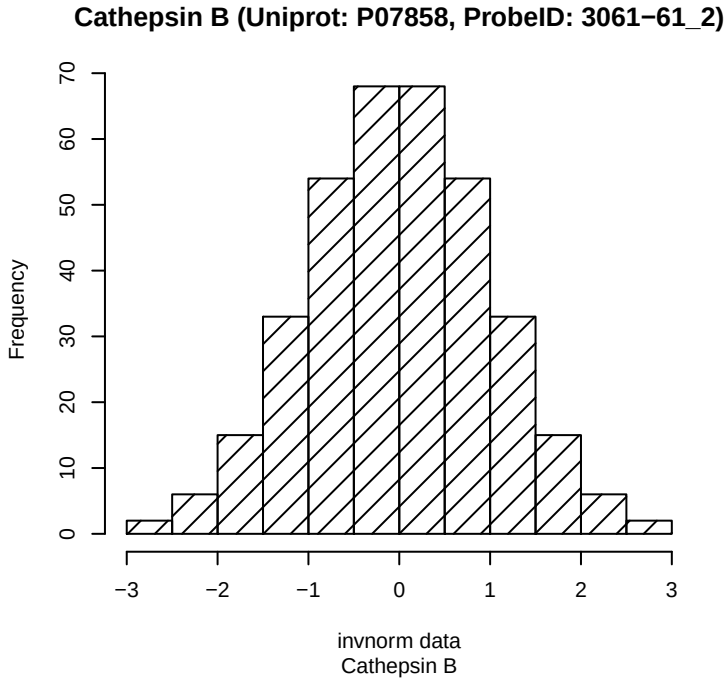

sFRP−3 (Uniprot: Q92765, ProbeID: 2841−13_2)
invnorm data
−2
−1
0
1
2
G/G (304)
G/A (47)
A/A (2)
rs288326 (Chr2:183703336)
Locus 144 top sentinel (tags KORA rs288326), p=3.4e−10

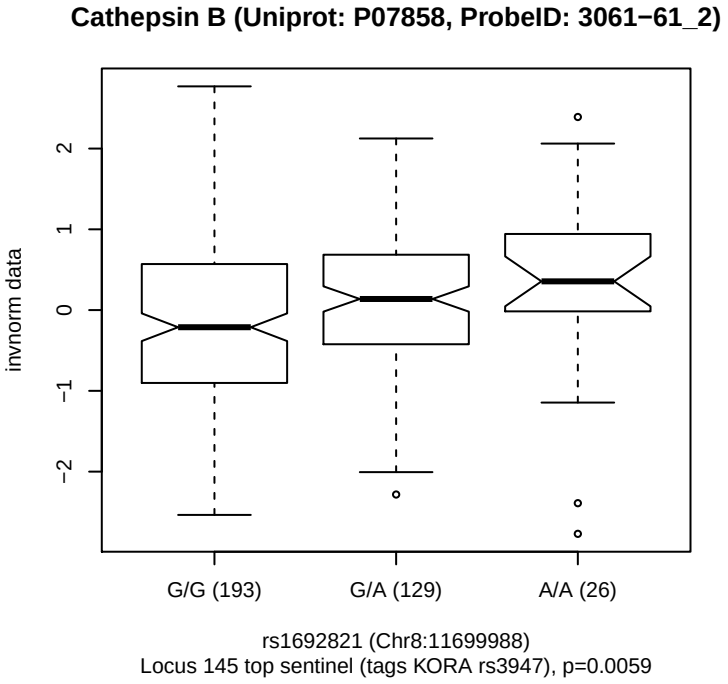

Cathepsin B (Uniprot: P07858, ProbeID: 3061−61_2)
Frequency
0
50
100
150
1000
2000
3000
4000
5000
raw data
Cathepsin B

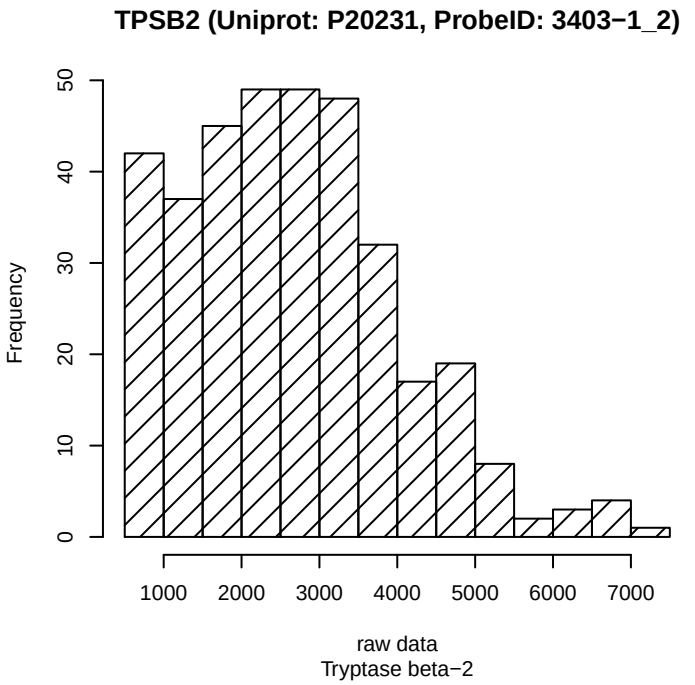

Cathepsin B (Uniprot: P07858, ProbeID: 3061−61_2)
raw data
1000
2000
3000
4000
5000
G/G (193)
G/A (129)
A/A (26)
rs1692821 (Chr8:11699988)
Locus 145 top sentinel (tags KORA rs3947), p=0.065

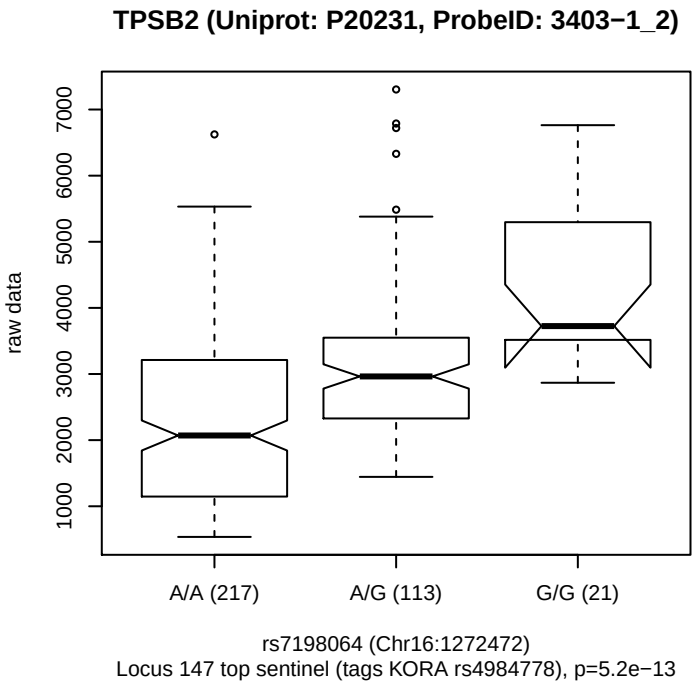

Cathepsin B (Uniprot: P07858, ProbeID: 3061−61_2)
Frequency
0
50
100
150
200
9.0
9.5
10.0
10.5
11.0
11.5
12.0
12.5
log2−scaled data
Cathepsin B

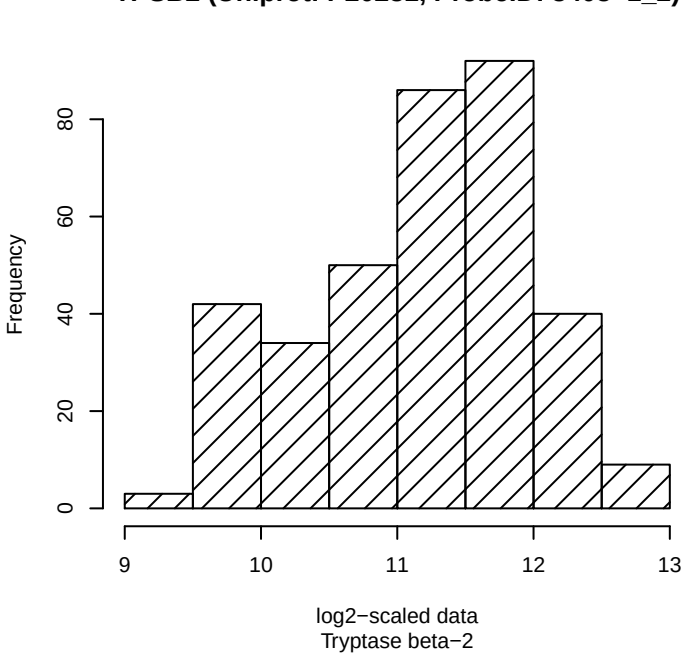

Cathepsin B (Uniprot: P07858, ProbeID: 3061−61_2)
log2−scaled data
9.0
9.5
10.0
10.5
11.0
11.5
12.0
12.5
G/G (193)
G/A (129)
A/A (26)
rs1692821 (Chr8:11699988)
Locus 145 top sentinel (tags KORA rs3947), p=0.04, FC=1.0451

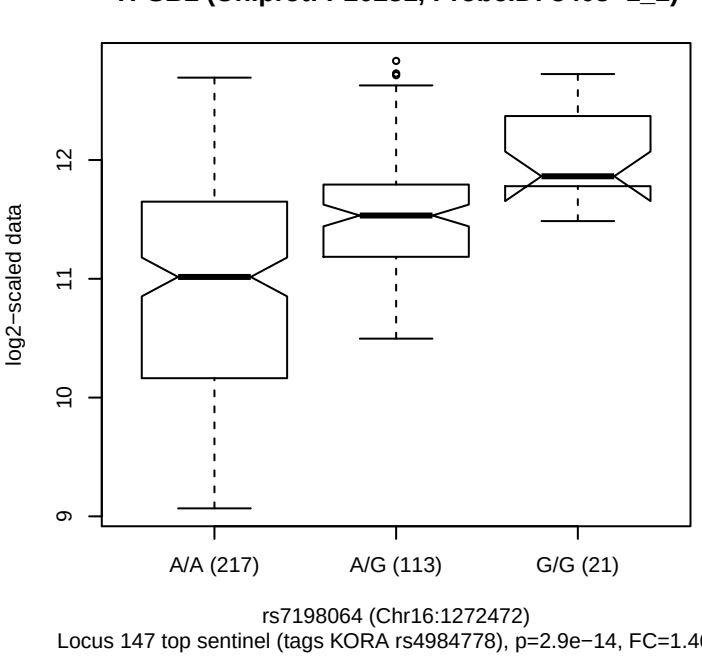

Cathepsin B (Uniprot: P07858, ProbeID: 3061−61_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Cathepsin B

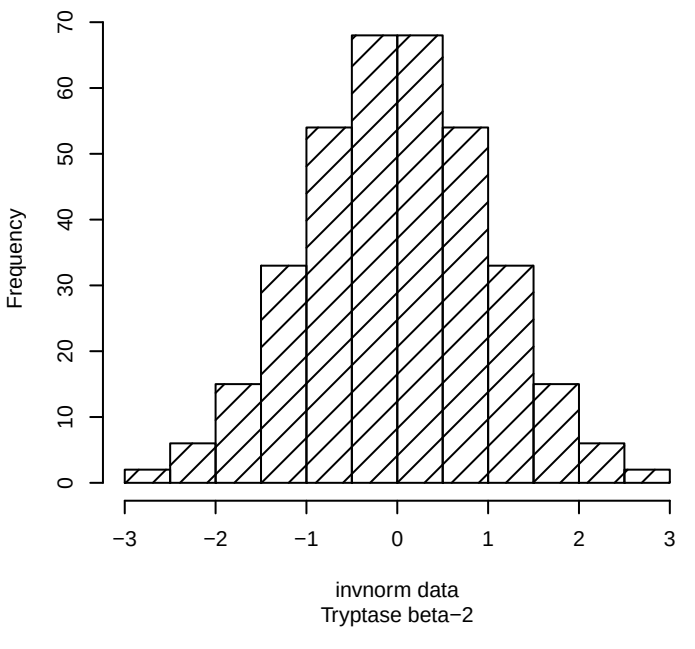

Cathepsin B (Uniprot: P07858, ProbeID: 3061−61_2)
invnorm data
−2
−1
0
1
2
G/G (193)
G/A (129)
A/A (26)
rs1692821 (Chr8:11699988)
Locus 145 top sentinel (tags KORA rs3947), p=0.0059

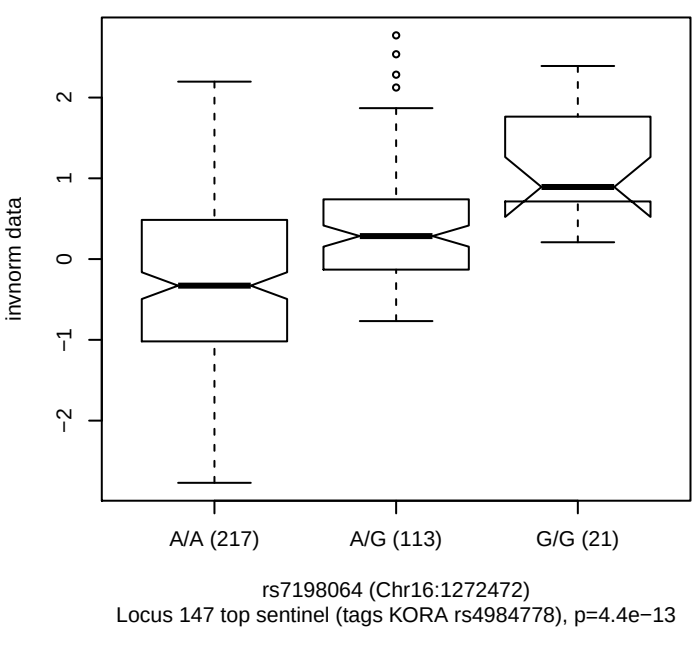

TPSB2 (Uniprot: P20231, ProbeID: 3403−1_2)
Frequency
0
10
20
30
40
50
1000
2000
3000
4000
5000
6000
7000
raw data
Tryptase beta−2

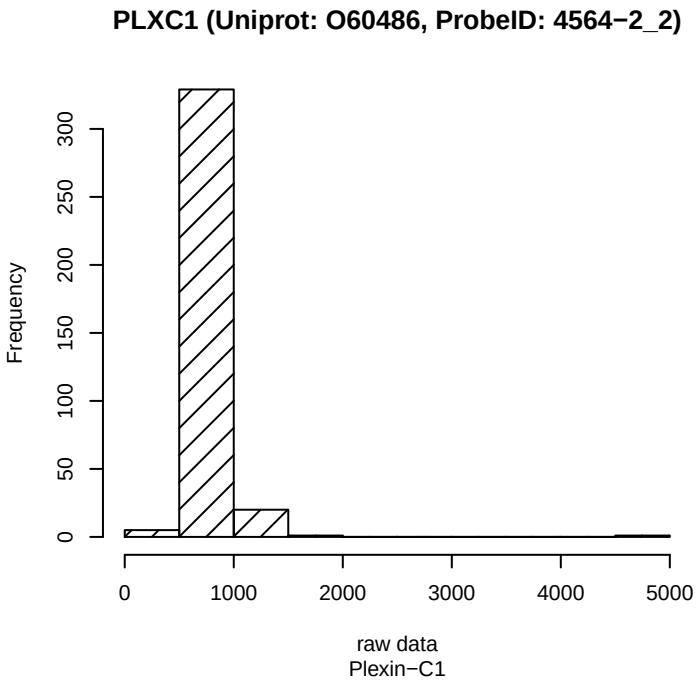

TPSB2 (Uniprot: P20231, ProbeID: 3403−1_2)
raw data
1000
2000
3000
4000
5000
6000
7000
A/A (217)
A/G (113)
G/G (21)
rs7198064 (Chr16:1272472)
Locus 147 top sentinel (tags KORA rs4984778), p=5.2e−13

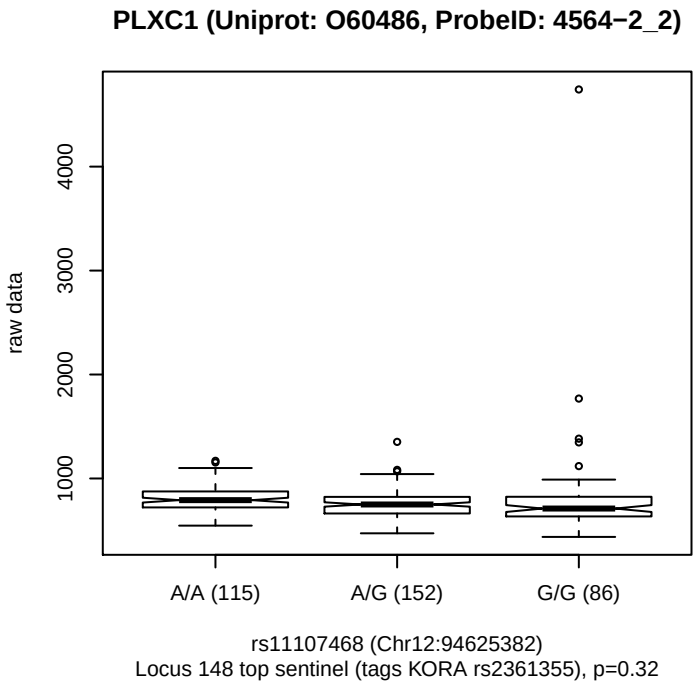

TPSB2 (Uniprot: P20231, ProbeID: 3403−1_2)
Frequency
0
20
40
60
80
9
10
11
12
13
log2−scaled data
Tryptase beta−2

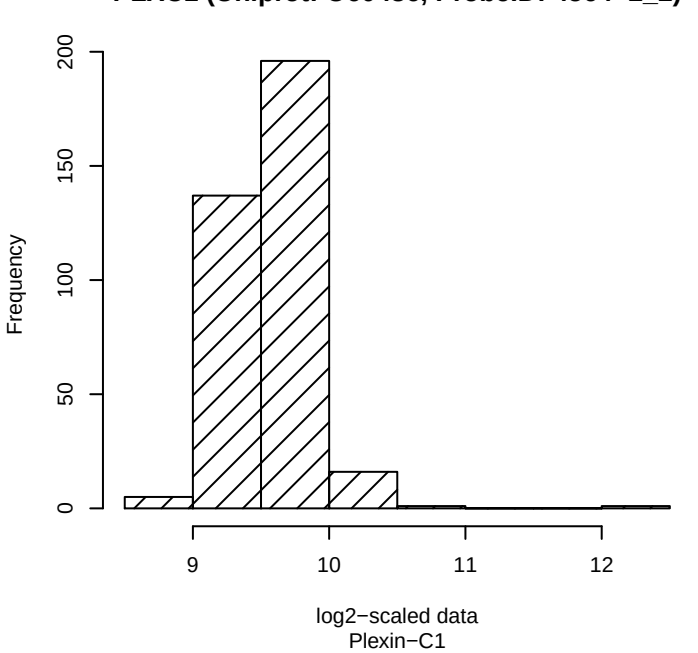

TPSB2 (Uniprot: P20231, ProbeID: 3403−1_2)
log2−scaled data
9
10
11
12
A/A (217)
A/G (113)
G/G (21)
rs7198064 (Chr16:1272472)
Locus 147 top sentinel (tags KORA rs4984778), p=2.9e−14, FC=1.4602

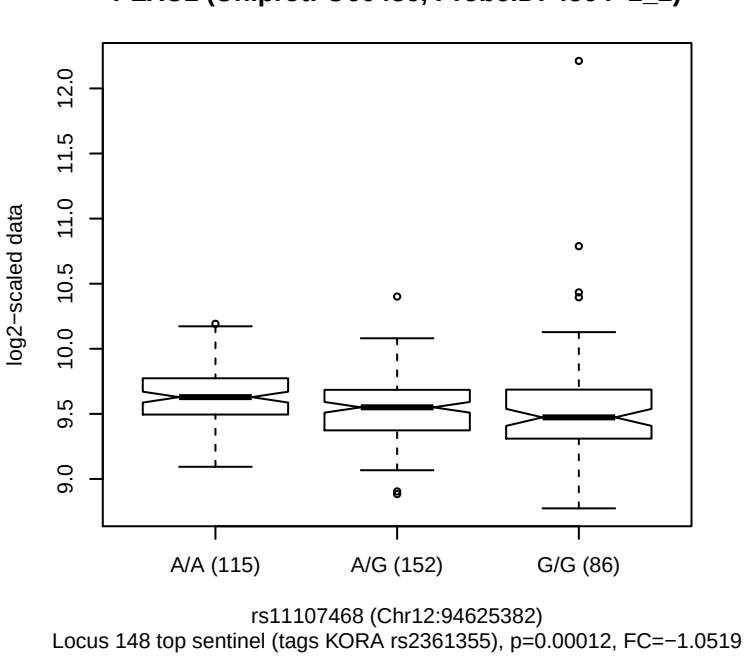

TPSB2 (Uniprot: P20231, ProbeID: 3403−1_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Tryptase beta−2

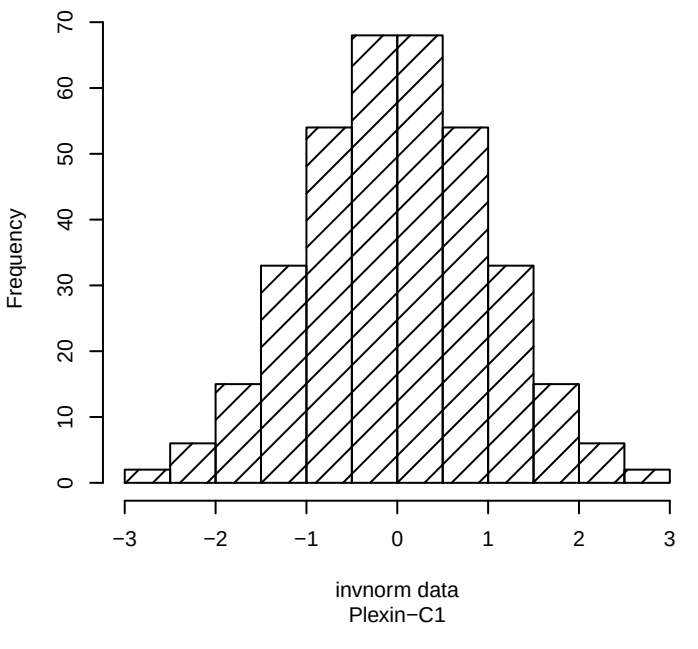

TPSB2 (Uniprot: P20231, ProbeID: 3403−1_2)
invnorm data
−2
−1
0
1
2
A/A (217)
A/G (113)
G/G (21)
rs7198064 (Chr16:1272472)
Locus 147 top sentinel (tags KORA rs4984778), p=4.4e−13

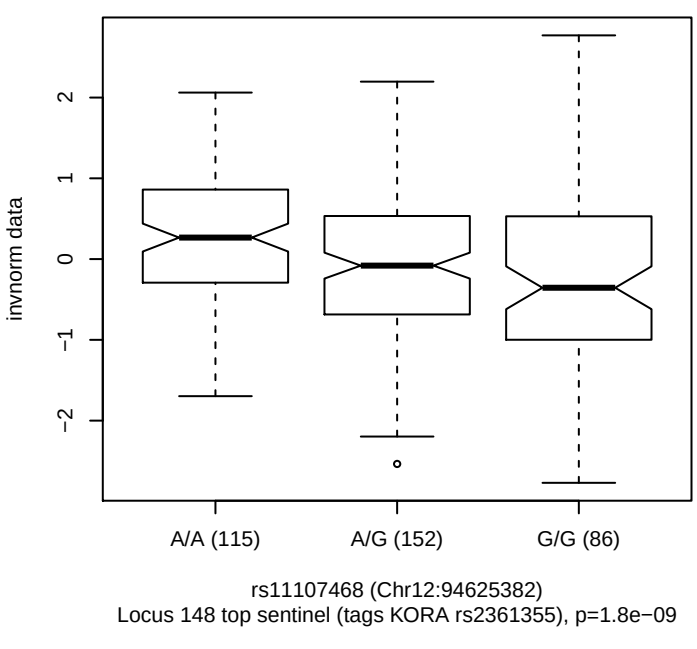

PLXC1 (Uniprot: O60486, ProbeID: 4564−2_2)
Frequency
0
50
100
150
200
250
300
0
1000
2000
3000
4000
5000
raw data
Plexin−C1

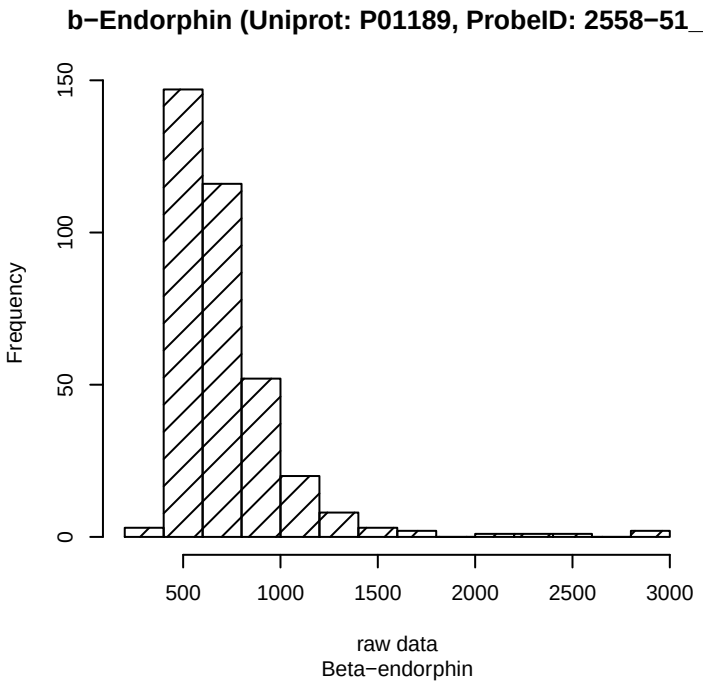

PLXC1 (Uniprot: O60486, ProbeID: 4564−2_2)
raw data
1000
2000
3000
4000
A/A (115)
A/G (152)
G/G (86)
rs11107468 (Chr12:94625382)
Locus 148 top sentinel (tags KORA rs2361355), p=0.32

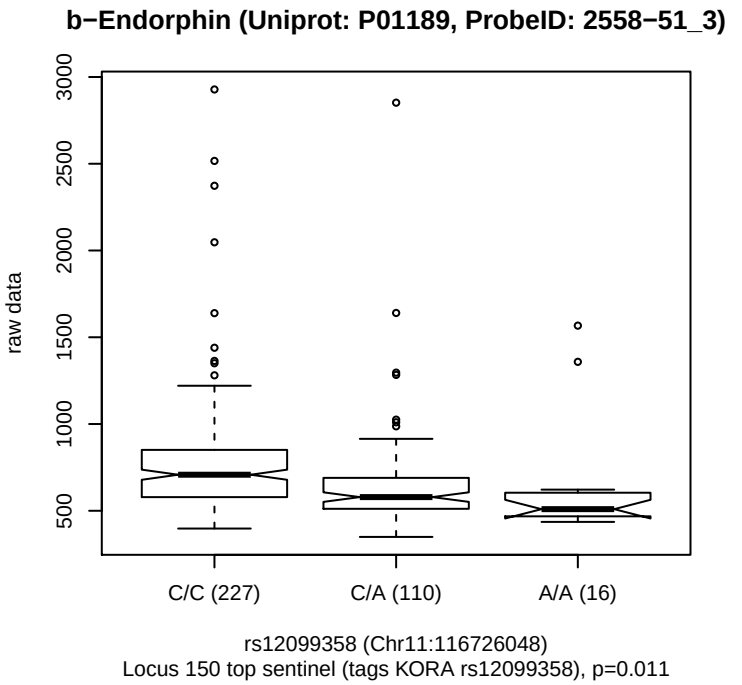

PLXC1 (Uniprot: O60486, ProbeID: 4564−2_2)
Frequency
0
50
100
150
200
9
10
11
12
log2−scaled data
Plexin−C1

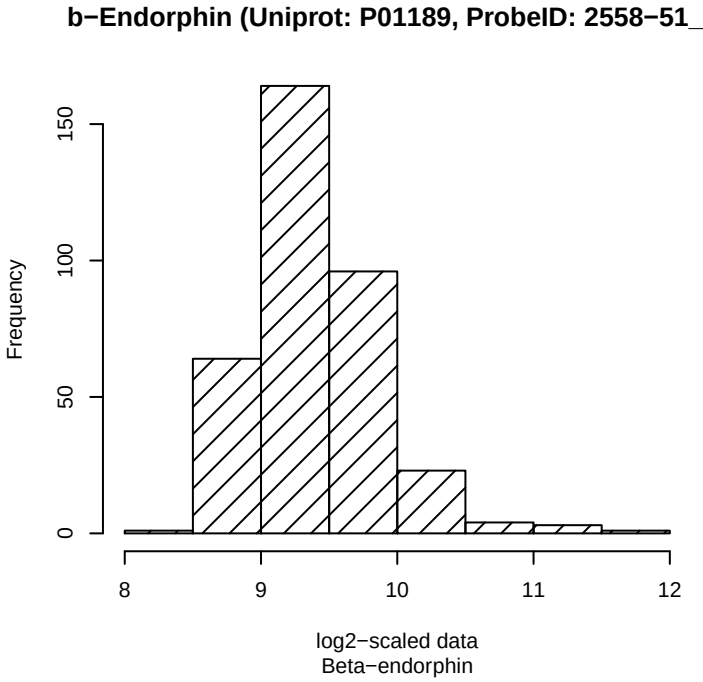

PLXC1 (Uniprot: O60486, ProbeID: 4564−2_2)
log2−scaled data
9.0
9.5
10.0
10.5
11.0
11.5
12.0
A/A (115)
A/G (152)
G/G (86)
rs11107468 (Chr12:94625382)
Locus 148 top sentinel (tags KORA rs2361355), p=0.00012, FC=−1.0519

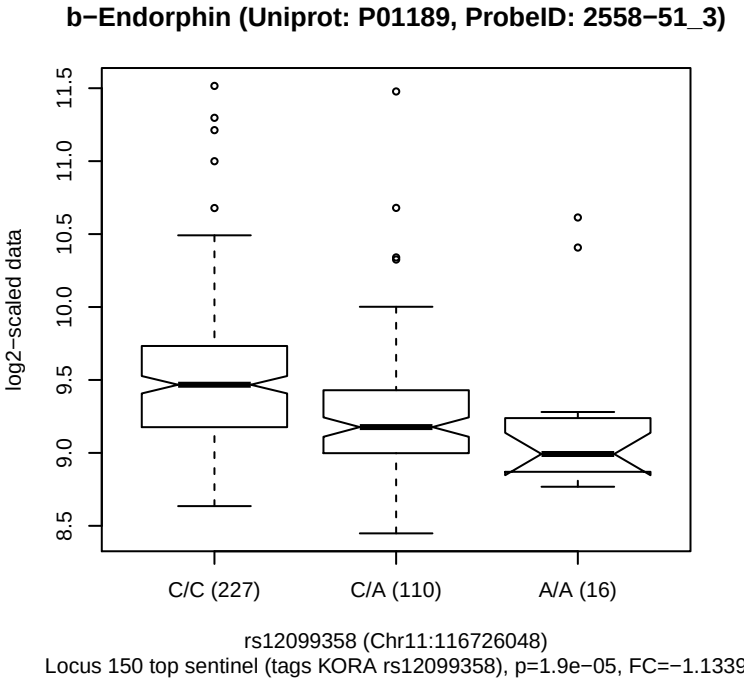

PLXC1 (Uniprot: O60486, ProbeID: 4564−2_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Plexin−C1

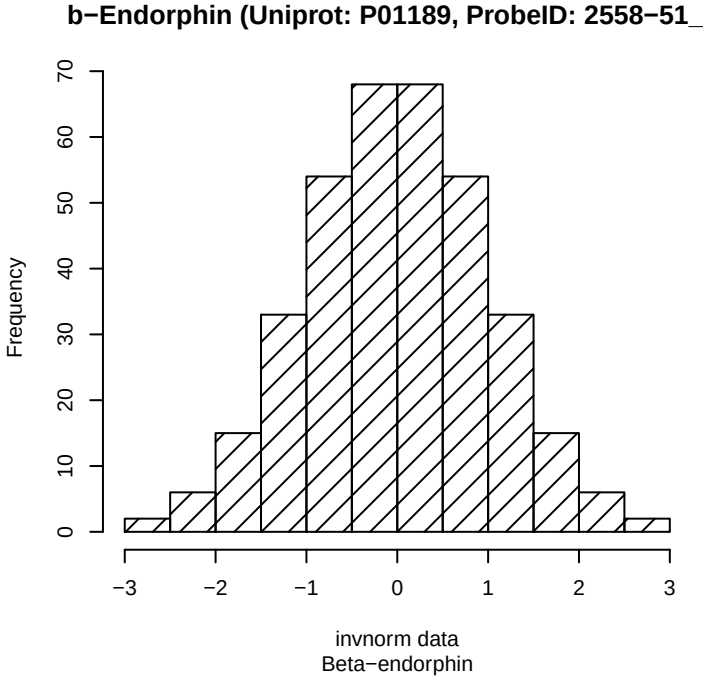

PLXC1 (Uniprot: O60486, ProbeID: 4564−2_2)
invnorm data
−2
−1
0
1
2
A/A (115)
A/G (152)
G/G (86)
rs11107468 (Chr12:94625382)
Locus 148 top sentinel (tags KORA rs2361355), p=1.8e−09

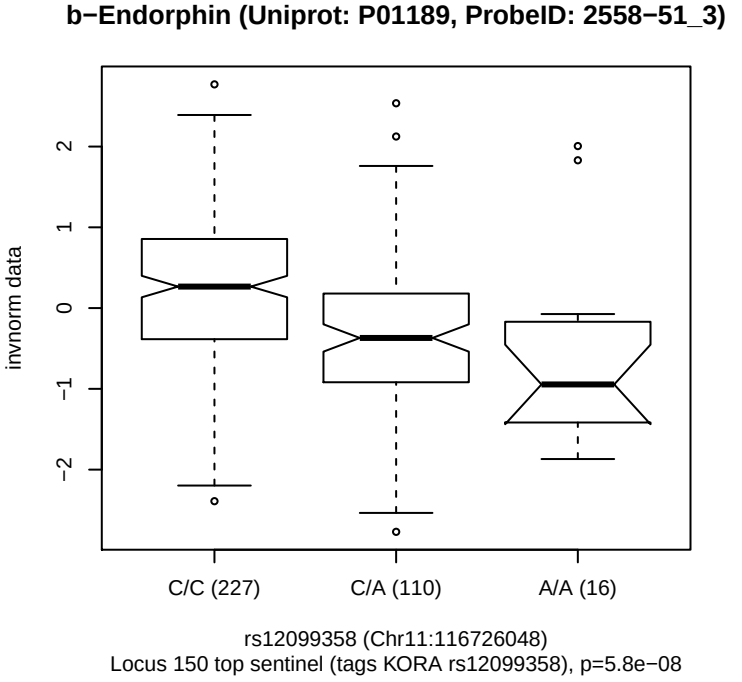

b−Endorphin (Uniprot: P01189, ProbeID: 2558−51_3)
Frequency
raw data
Beta−endorphin

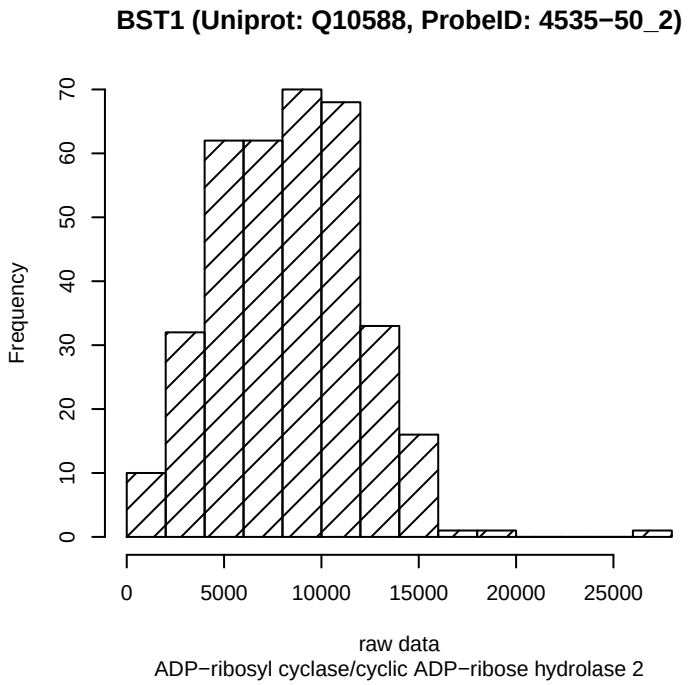

b−Endorphin (Uniprot: P01189, ProbeID: 2558−51_3)
raw data
C/C (227)
C/A (110)
A/A (16)
rs12099358 (Chr11:116726048)
Locus 150 top sentinel (tags KORA rs12099358), p=0.011

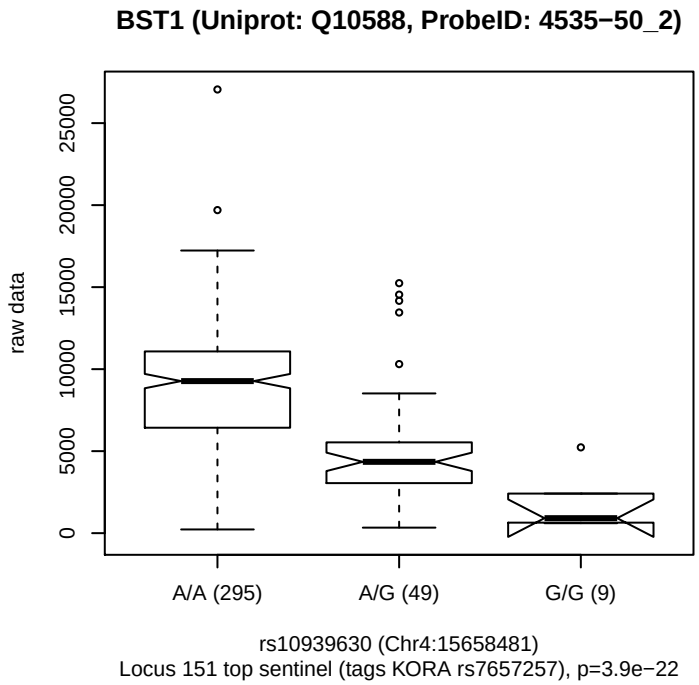

b−Endorphin (Uniprot: P01189, ProbeID: 2558−51_3)
Frequency
log2−scaled data
Beta−endorphin

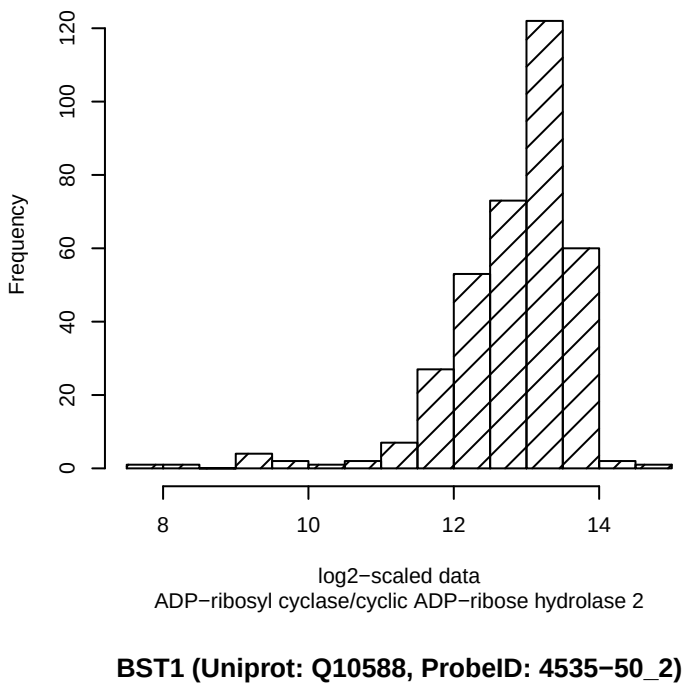

b−Endorphin (Uniprot: P01189, ProbeID: 2558−51_3)
log2−scaled data
C/C (227)
C/A (110)
A/A (16)
rs12099358 (Chr11:116726048)
Locus 150 top sentinel (tags KORA rs12099358), p=1.9e−05, FC=−1.1339

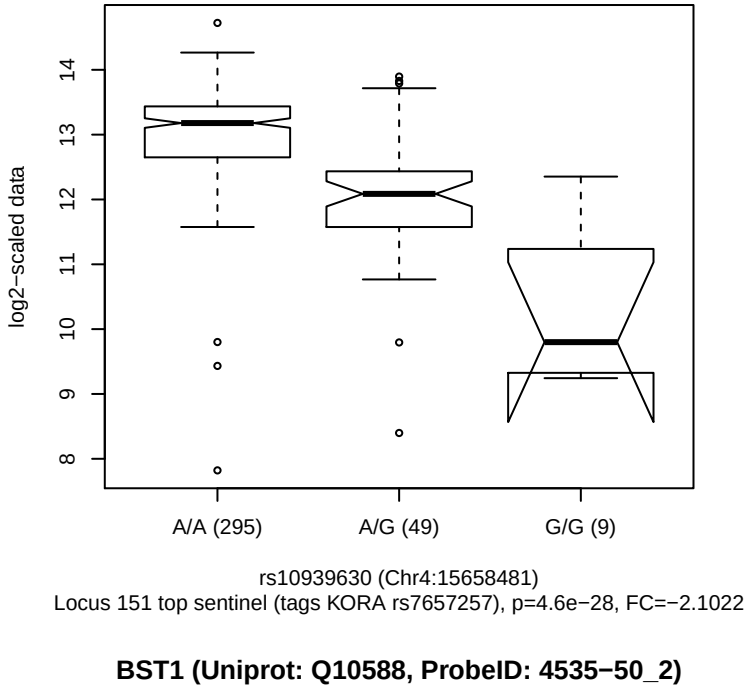

b−Endorphin (Uniprot: P01189, ProbeID: 2558−51_3)
Frequency
invnorm data
Beta−endorphin

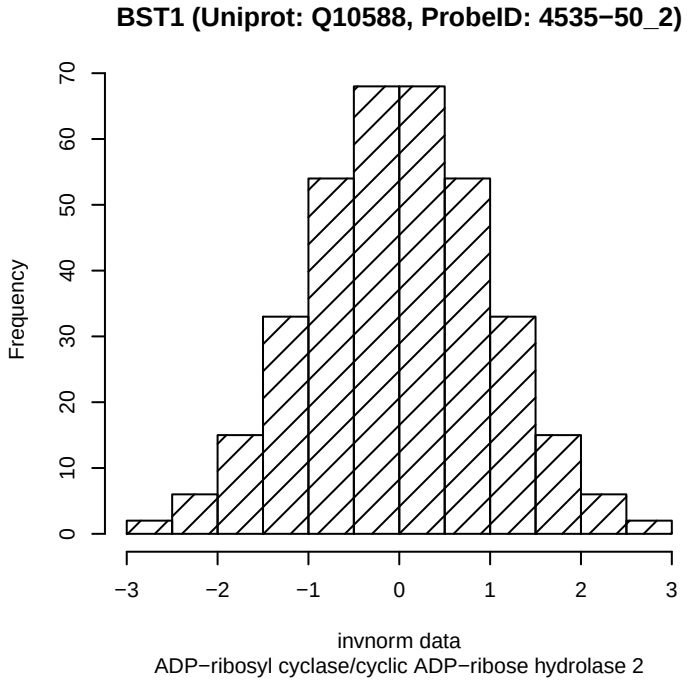

b−Endorphin (Uniprot: P01189, ProbeID: 2558−51_3)
invnorm data
C/C (227)
C/A (110)
A/A (16)
rs12099358 (Chr11:116726048)
Locus 150 top sentinel (tags KORA rs12099358), p=5.8e−08

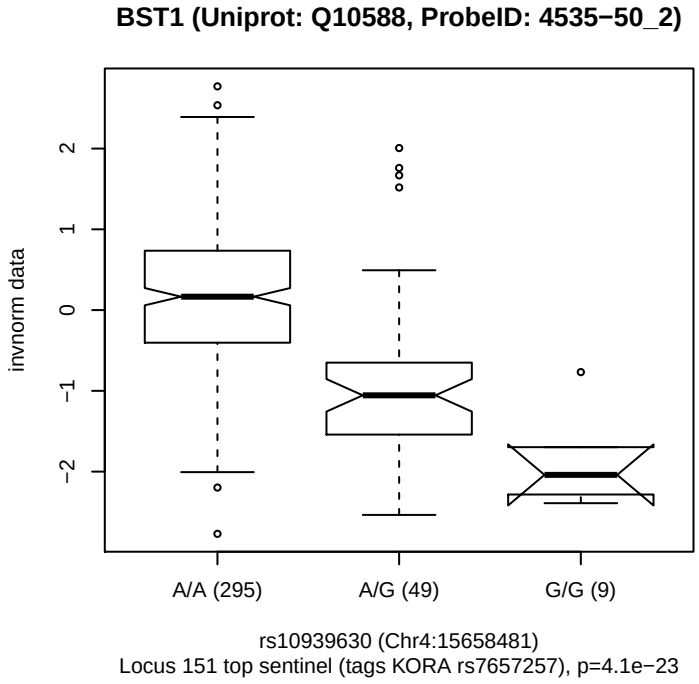

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
Frequency
0
10
20
30
40
50
60
70
0
5000
10000
15000
20000
25000
raw data
ADP−ribosyl cyclase/cyclic ADP−ribose hydrolase 2

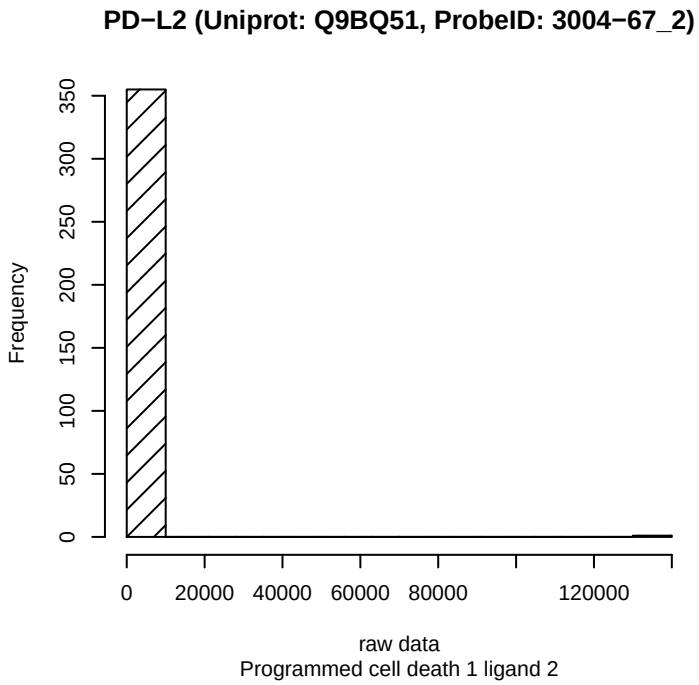

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
raw data
0
5000
10000
15000
20000
25000
A/A (295)
A/G (49)
G/G (9)
rs10939630 (Chr4:15658481)
Locus 151 top sentinel (tags KORA rs7657257), p=3.9e−22

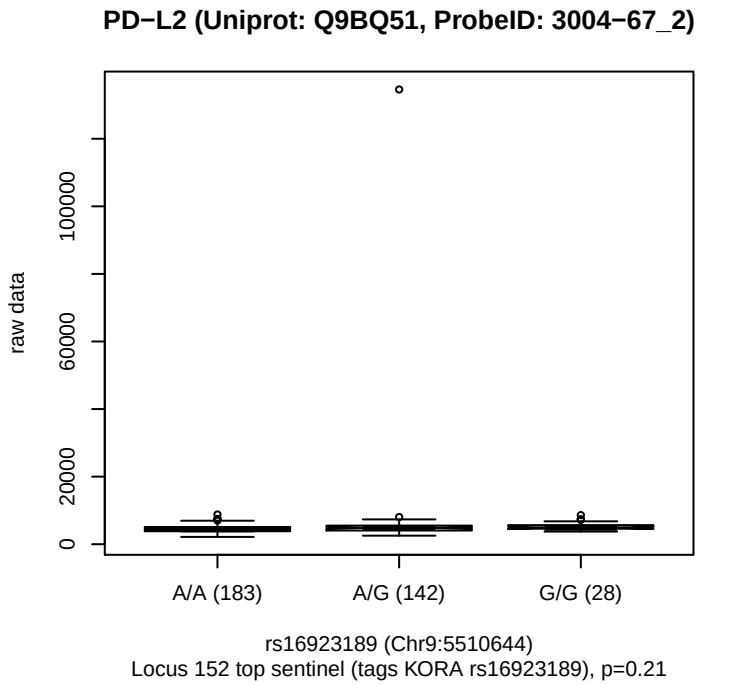

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
Frequency
0
20
40
60
80
100
120
8
10
12
14
log2−scaled data
ADP−ribosyl cyclase/cyclic ADP−ribose hydrolase 2

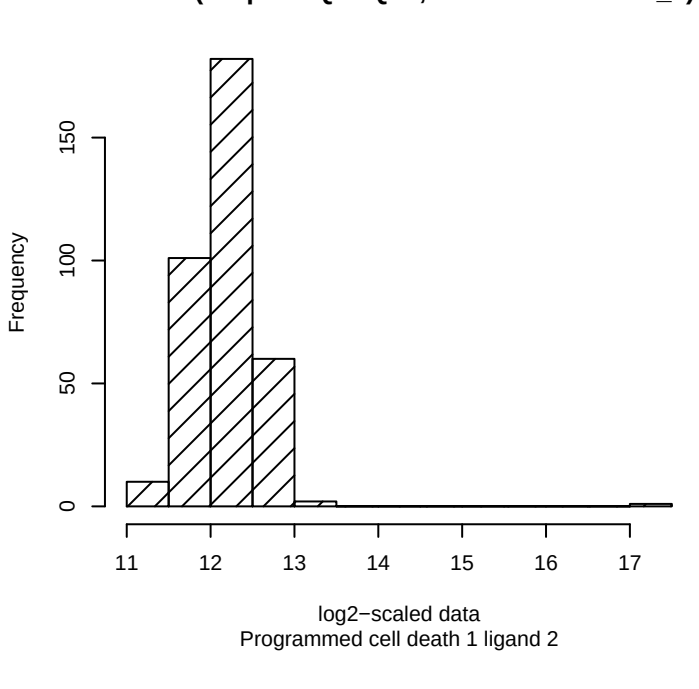

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
log2−scaled data
8
9
10
11
12
13
14
A/A (295)
A/G (49)
G/G (9)
rs10939630 (Chr4:15658481)
Locus 151 top sentinel (tags KORA rs7657257), p=4.6e−28, FC=−2.1022

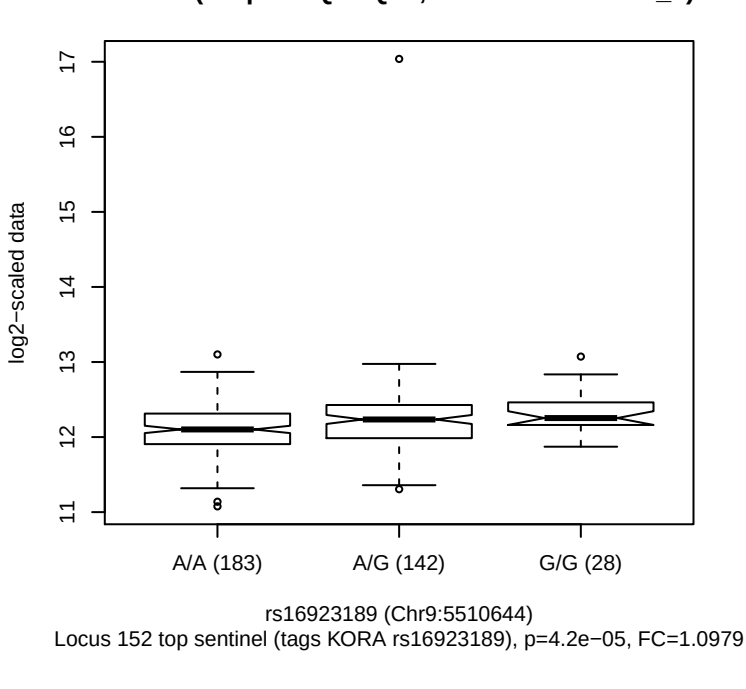

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
ADP−ribosyl cyclase/cyclic ADP−ribose hydrolase 2

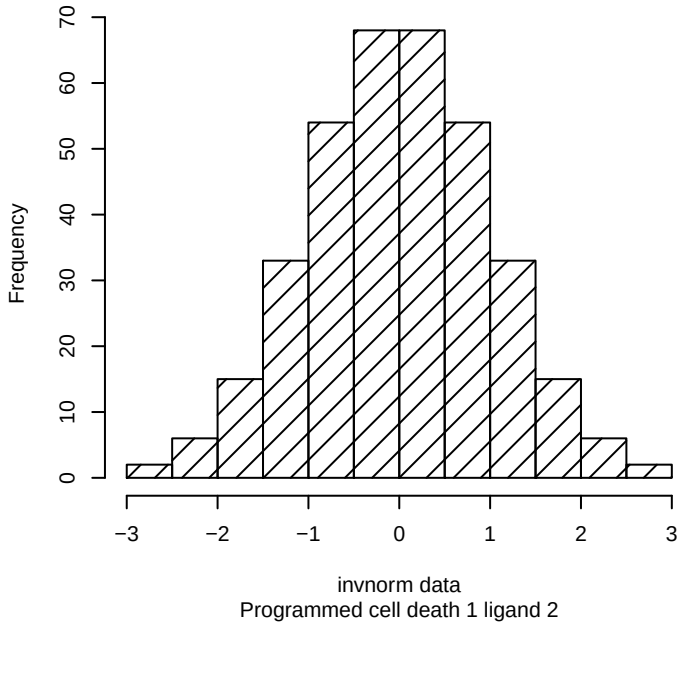

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
invnorm data
−2
−1
0
1
2
A/A (295)
A/G (49)
G/G (9)
rs10939630 (Chr4:15658481)
Locus 151 top sentinel (tags KORA rs7657257), p=4.1e−23

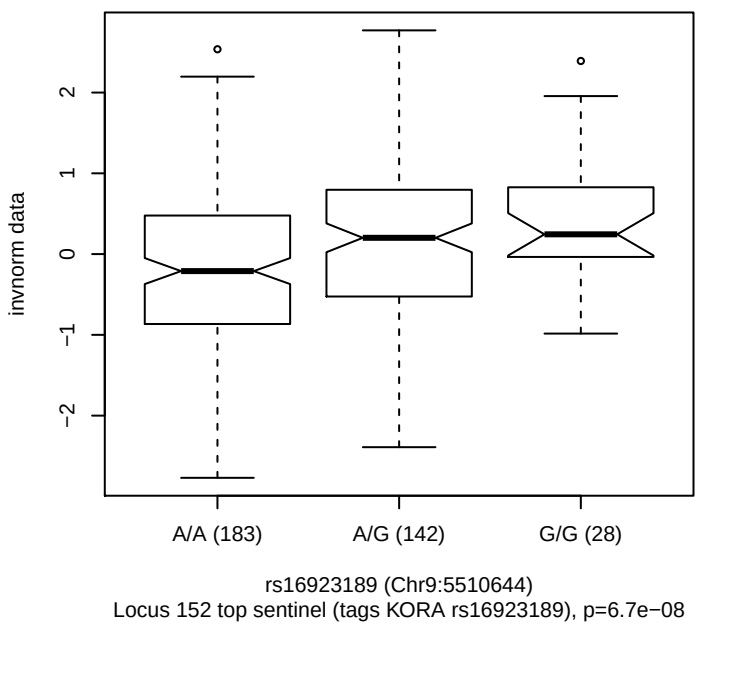

PD−L2 (Uniprot: Q9BQ51, ProbeID: 3004−67_2)
Frequency
0
50
100
150
200
250
300
350
0
20000
40000
60000
80000
120000
raw data
Programmed cell death 1 ligand 2


PD−L2 (Uniprot: Q9BQ51, ProbeID: 3004−67_2)
raw data
0
20000
60000
100000
A/A (183)
A/G (142)
G/G (28)
rs16923189 (Chr9:5510644)
Locus 152 top sentinel (tags KORA rs16923189), p=0.21

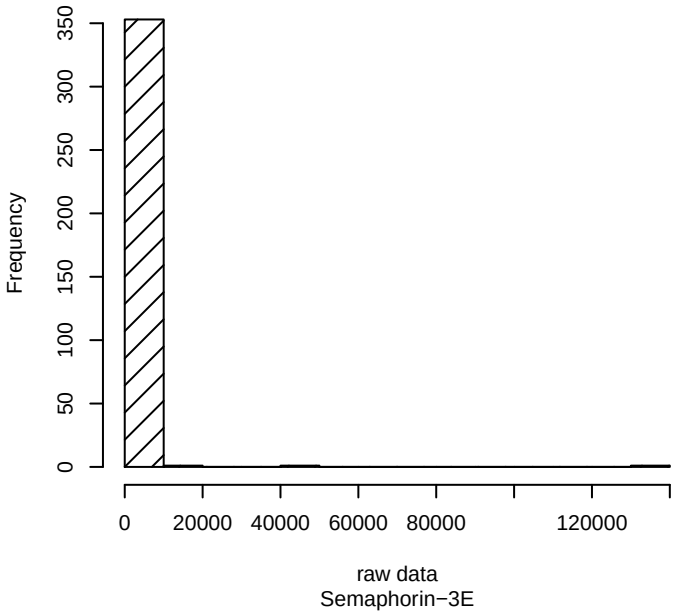

PD−L2 (Uniprot: Q9BQ51, ProbeID: 3004−67_2)
Frequency
0
50
100
150
11
12
13
14
15
16
17
log2−scaled data
Programmed cell death 1 ligand 2


PD−L2 (Uniprot: Q9BQ51, ProbeID: 3004−67_2)
log2−scaled data
11
12
13
14
15
16
17
A/A (183)
A/G (142)
G/G (28)
rs16923189 (Chr9:5510644)
Locus 152 top sentinel (tags KORA rs16923189), p=4.2e−05, FC=1.0979

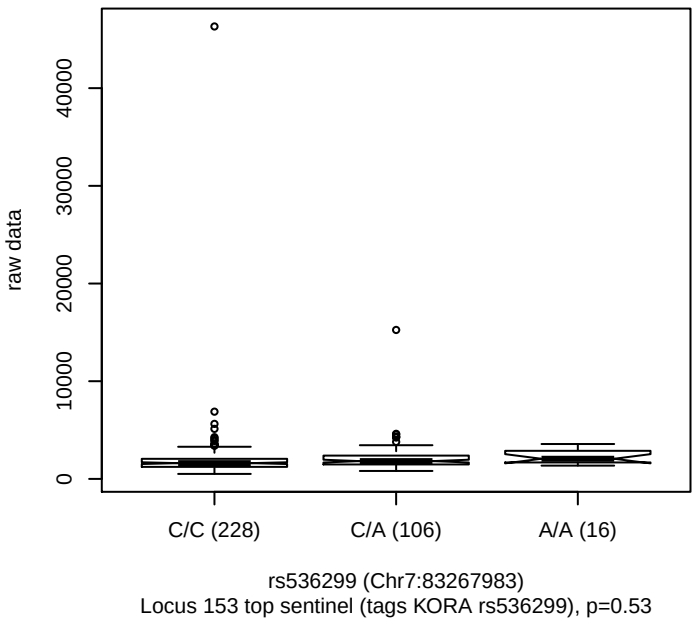

PD−L2 (Uniprot: Q9BQ51, ProbeID: 3004−67_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Programmed cell death 1 ligand 2


PD−L2 (Uniprot: Q9BQ51, ProbeID: 3004−67_2)
invnorm data
−2
−1
0
1
2
A/A (183)
A/G (142)
G/G (28)
rs16923189 (Chr9:5510644)
Locus 152 top sentinel (tags KORA rs16923189), p=6.7e−08

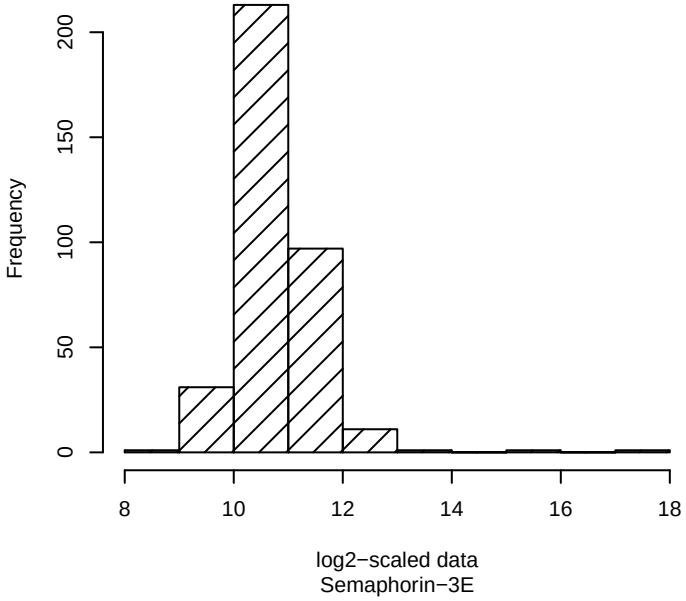
Semaphorin 3E (Uniprot: O15041, ProbeID: 5363−51_3)



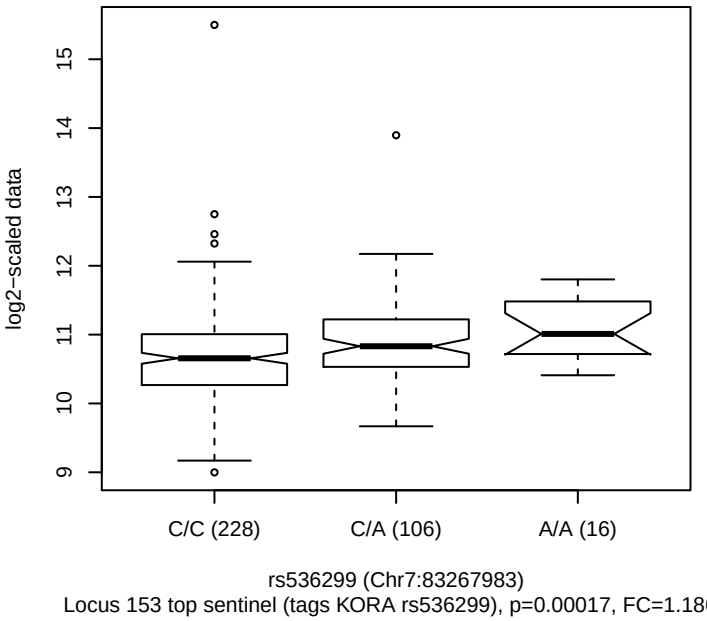
Semaphorin 3E (Uniprot: O15041, ProbeID: 5363−51_3)



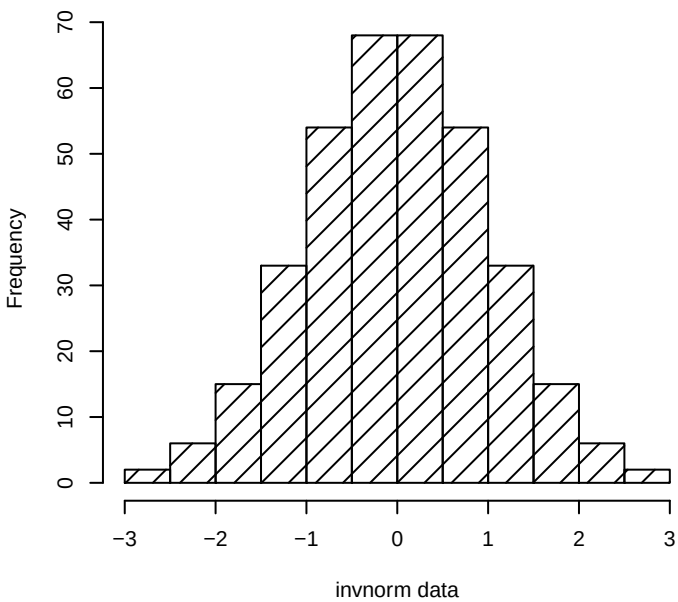
Semaphorin 3E (Uniprot: O15041, ProbeID: 5363−51_3)



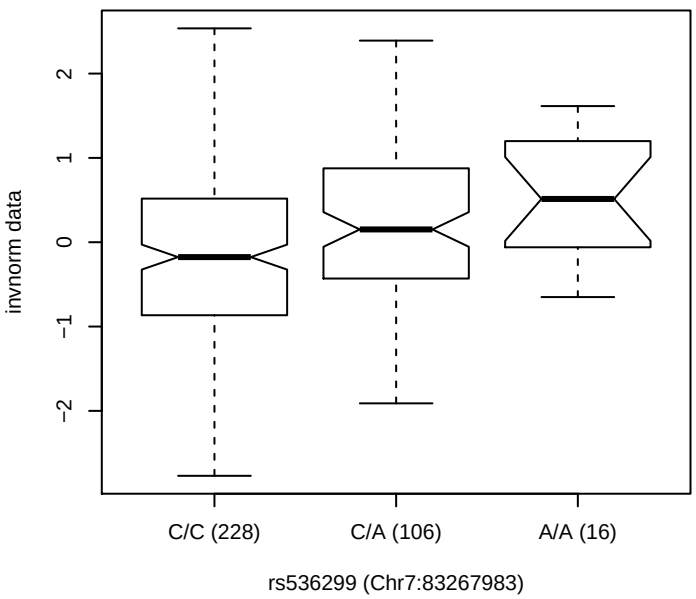
Semaphorin 3E (Uniprot: O15041, ProbeID: 5363−51_3)

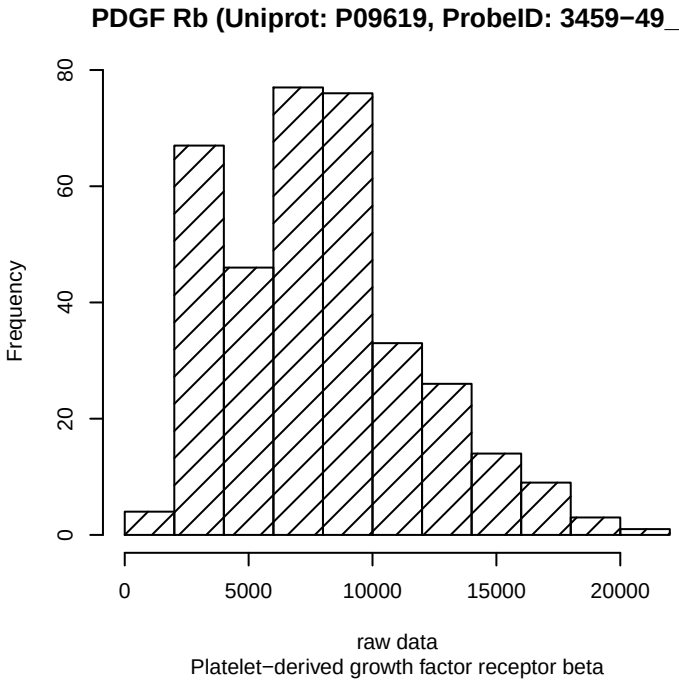


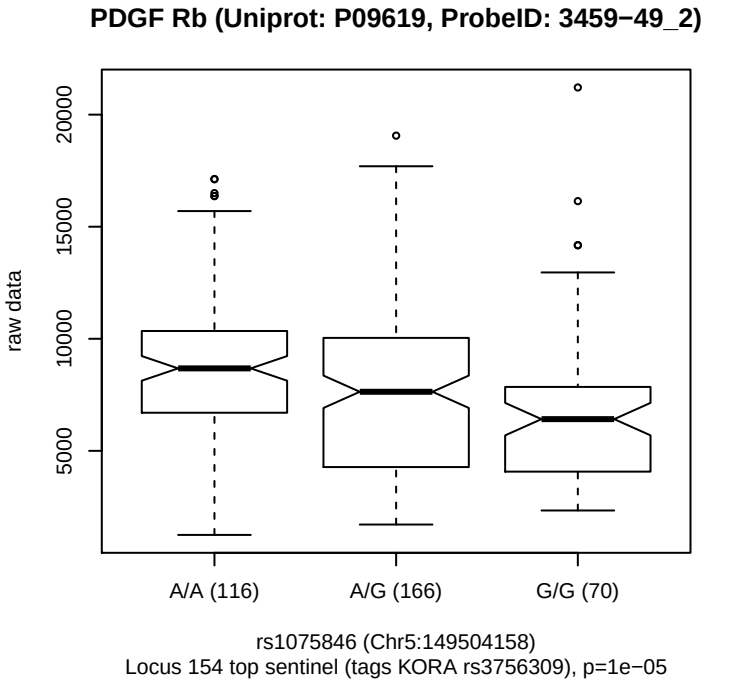
Semaphorin 3E (Uniprot: O15041, ProbeID: 5363−51_3)

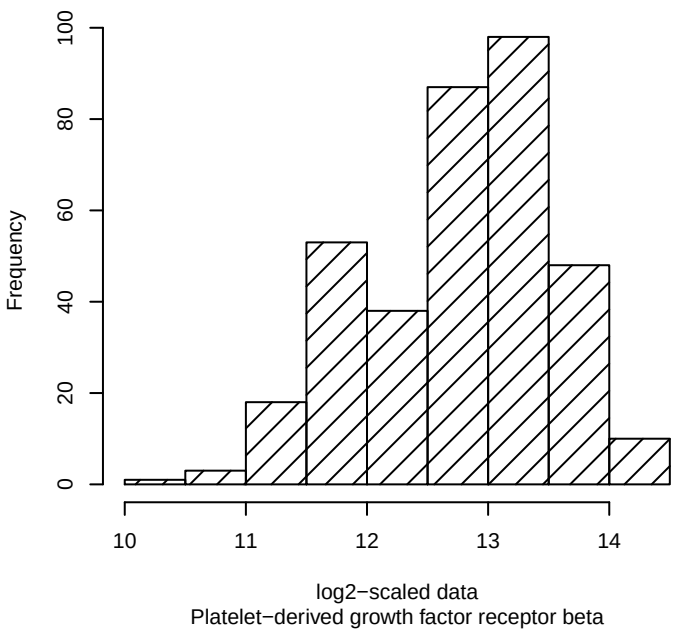


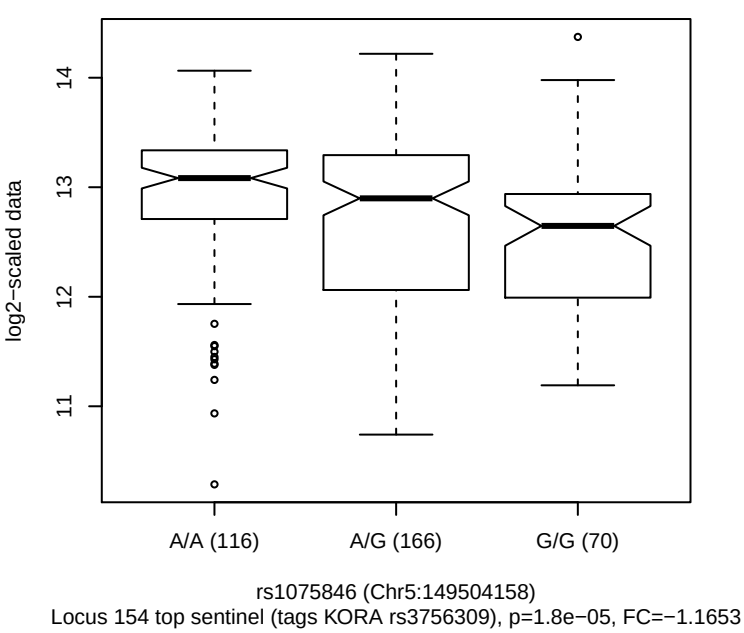
Semaphorin 3E (Uniprot: O15041, ProbeID: 5363−51_3)

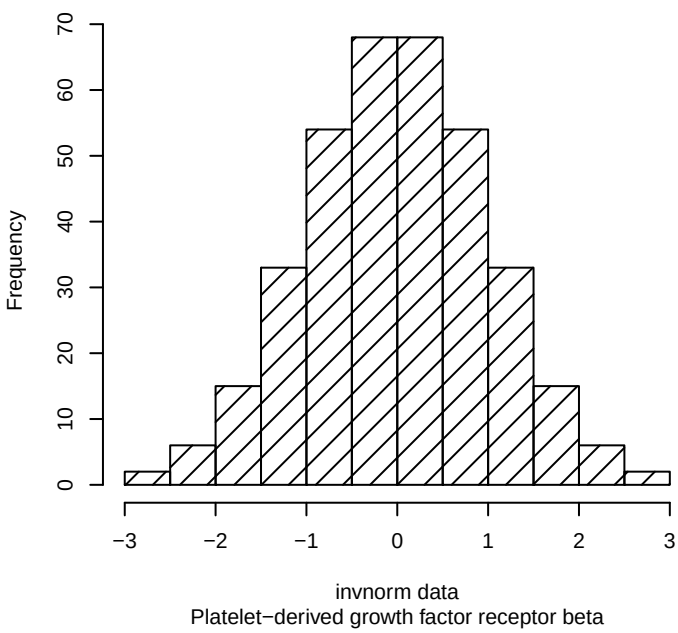


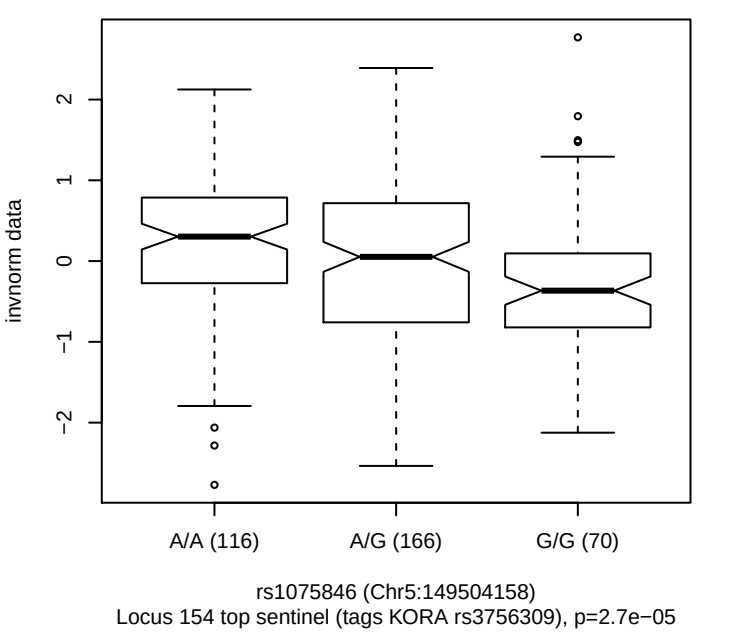

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
Frequency
0
20
40
60
80
0
5000
10000
15000
20000
raw data
Platelet−derived growth factor receptor beta

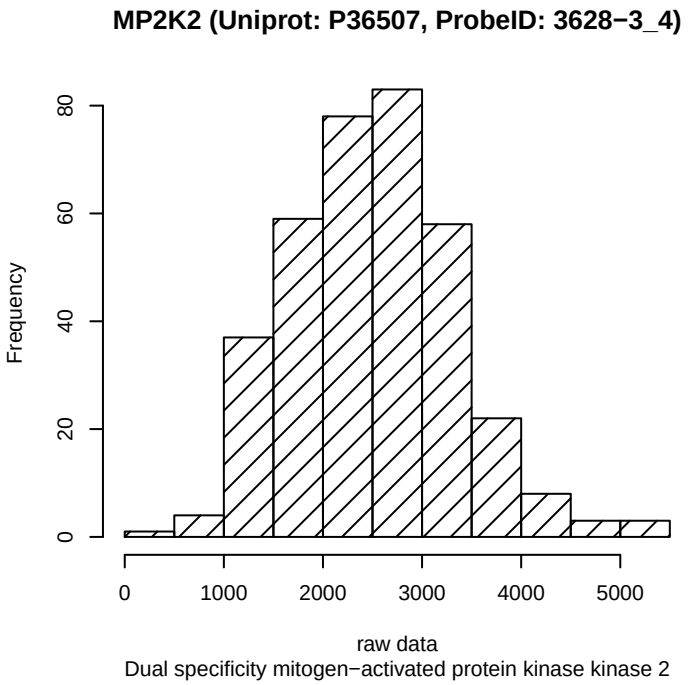

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
raw data
5000
10000
15000
20000
A/A (116)
A/G (166)
G/G (70)
rs1075846 (Chr5:149504158)
Locus 154 top sentinel (tags KORA rs3756309), p=1e−05

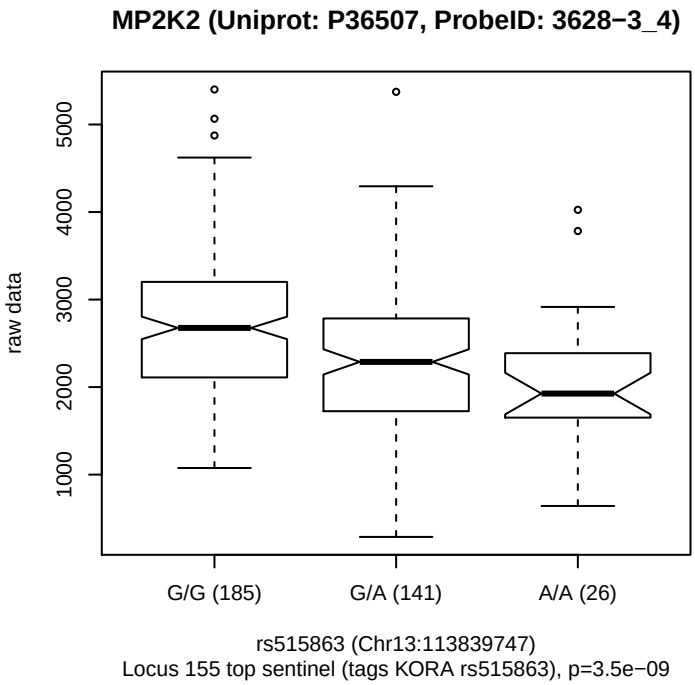

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
Frequency
0
20
40
60
80
100
10
11
12
13
14
log2−scaled data
Platelet−derived growth factor receptor beta

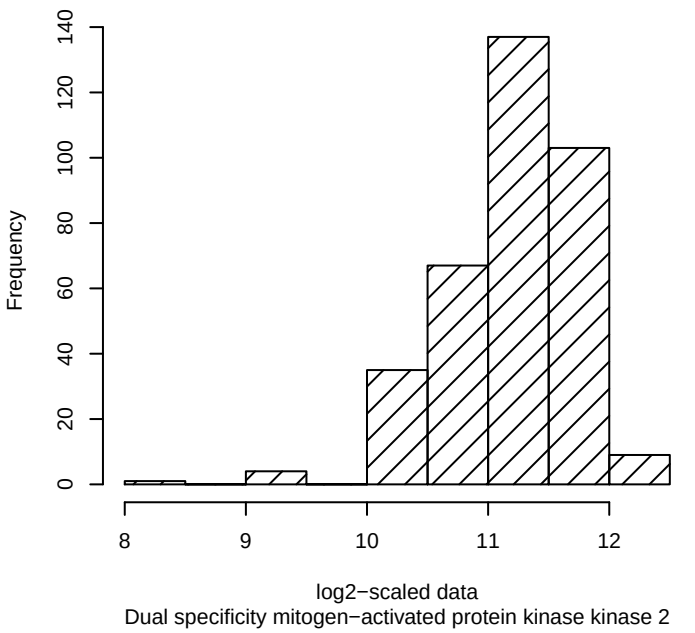

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
log2−scaled data
11
12
13
14
A/A (116)
A/G (166)
G/G (70)
rs1075846 (Chr5:149504158)
Locus 154 top sentinel (tags KORA rs3756309), p=1.8e−05, FC=−1.1653

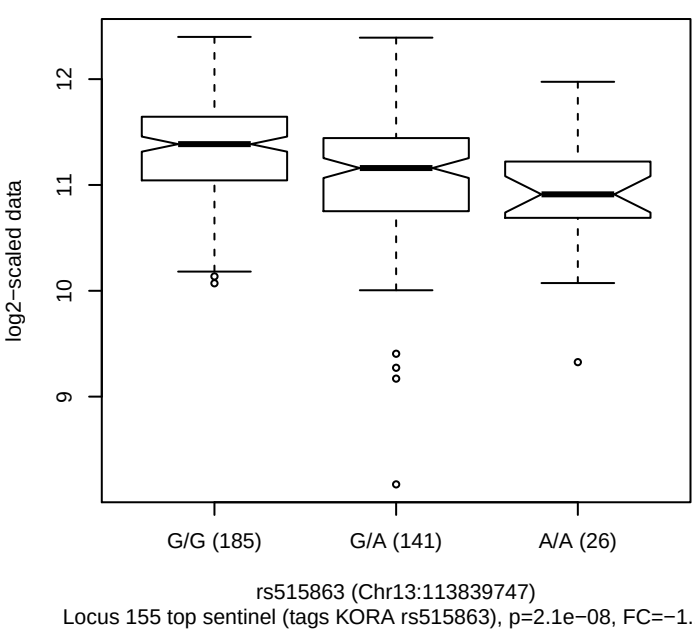

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Platelet−derived growth factor receptor beta

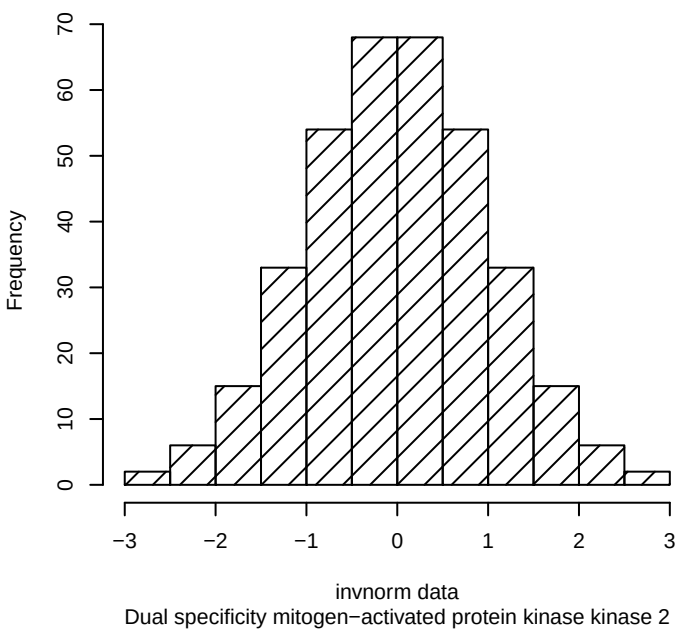

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
invnorm data
−2
−1
0
1
2
A/A (116)
A/G (166)
G/G (70)
rs1075846 (Chr5:149504158)
Locus 154 top sentinel (tags KORA rs3756309), p=2.7e−05

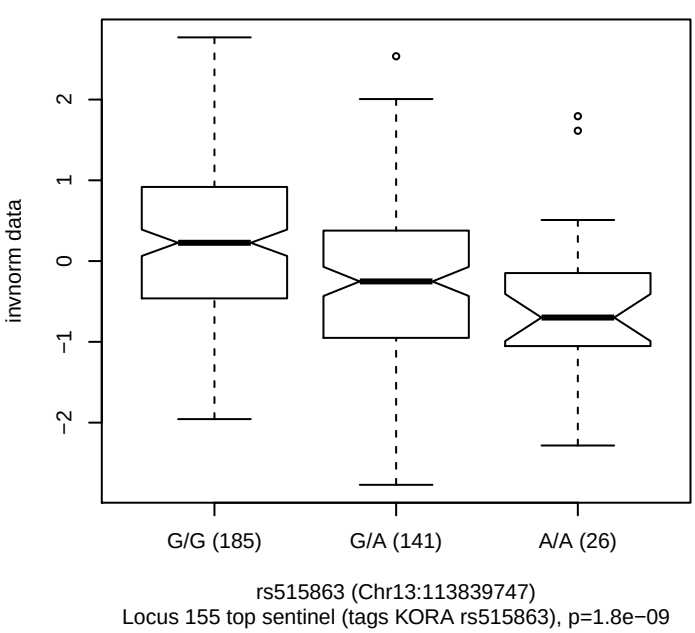

MP2K2 (Uniprot: P36507, ProbeID: 3628−3_4)
Frequency
0
20
40
60
80
0
1000
2000
3000
4000
5000
raw data
Dual specificity mitogen−activated protein kinase kinase 2

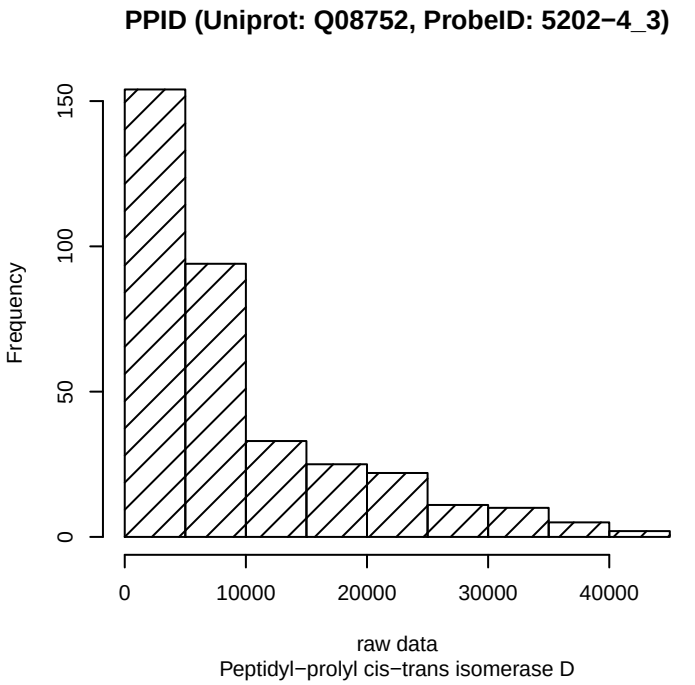

MP2K2 (Uniprot: P36507, ProbeID: 3628−3_4)
raw data
1000
2000
3000
4000
5000
G/G (185)
G/A (141)
A/A (26)
rs515863 (Chr13:113839747)
Locus 155 top sentinel (tags KORA rs515863), p=3.5e−09

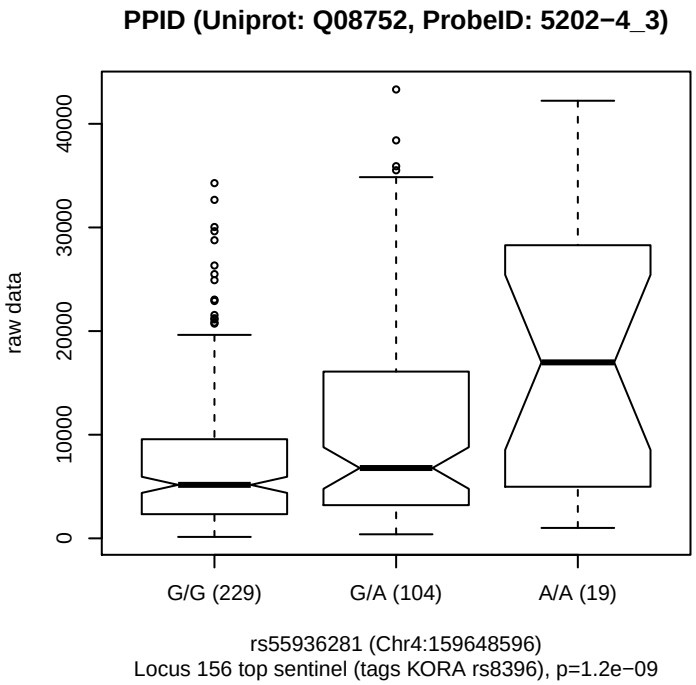

MP2K2 (Uniprot: P36507, ProbeID: 3628−3_4)
Frequency
0
20
40
60
80
100
120
140
8
9
10
11
12
log2−scaled data
Dual specificity mitogen−activated protein kinase kinase 2

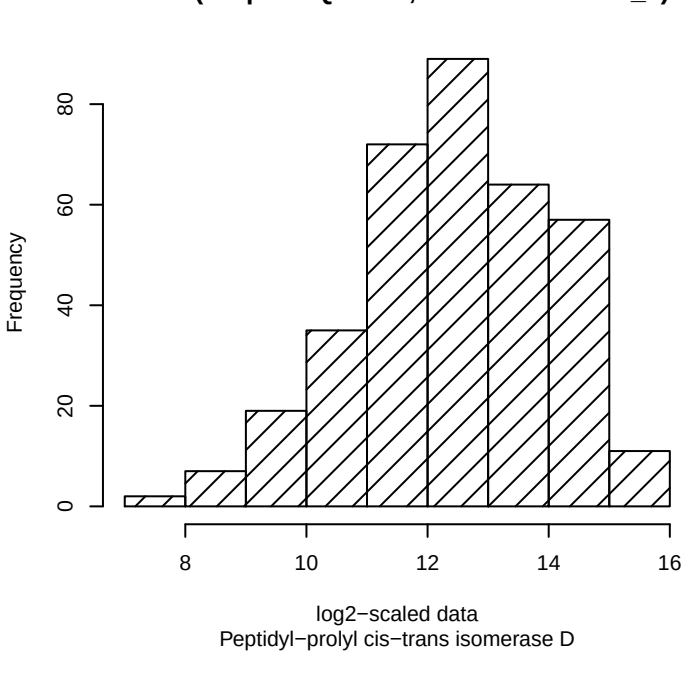

MP2K2 (Uniprot: P36507, ProbeID: 3628−3_4)
log2−scaled data
9
10
11
12
G/G (185)
G/A (141)
A/A (26)
rs515863 (Chr13:113839747)
Locus 155 top sentinel (tags KORA rs515863), p=2.1e−08, FC=−1.196

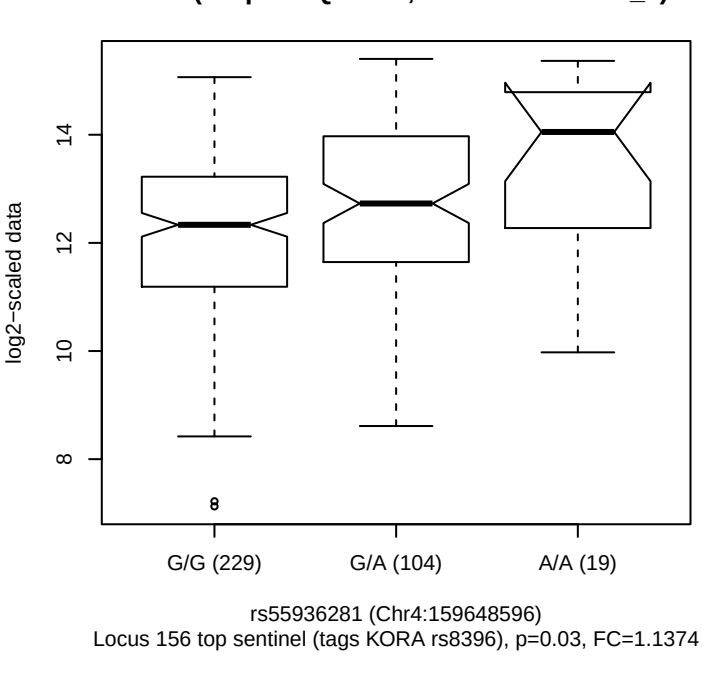

MP2K2 (Uniprot: P36507, ProbeID: 3628−3_4)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Dual specificity mitogen−activated protein kinase kinase 2

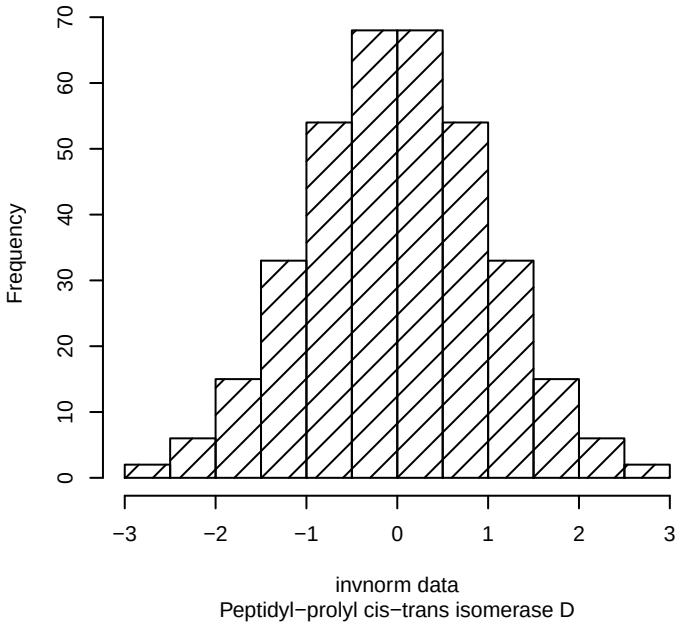

MP2K2 (Uniprot: P36507, ProbeID: 3628−3_4)
invnorm data
−2
−1
0
1
2
G/G (185)
G/A (141)
A/A (26)
rs515863 (Chr13:113839747)
Locus 155 top sentinel (tags KORA rs515863), p=1.8e−09

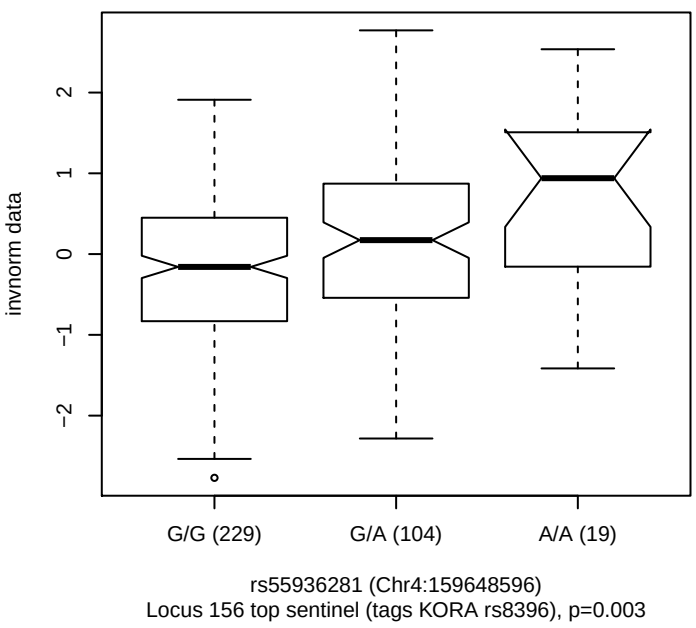

PPID (Uniprot: Q08752, ProbeID: 5202−4_3)
Frequency
0
50
100
150
0
10000
20000
30000
40000
raw data
Peptidyl−prolyl cis−trans isomerase D


PPID (Uniprot: Q08752, ProbeID: 5202−4_3)
raw data
0
10000
20000
30000
40000
G/G (229)
G/A (104)
A/A (19)
rs55936281 (Chr4:159648596)
Locus 156 top sentinel (tags KORA rs8396), p=1.2e−09

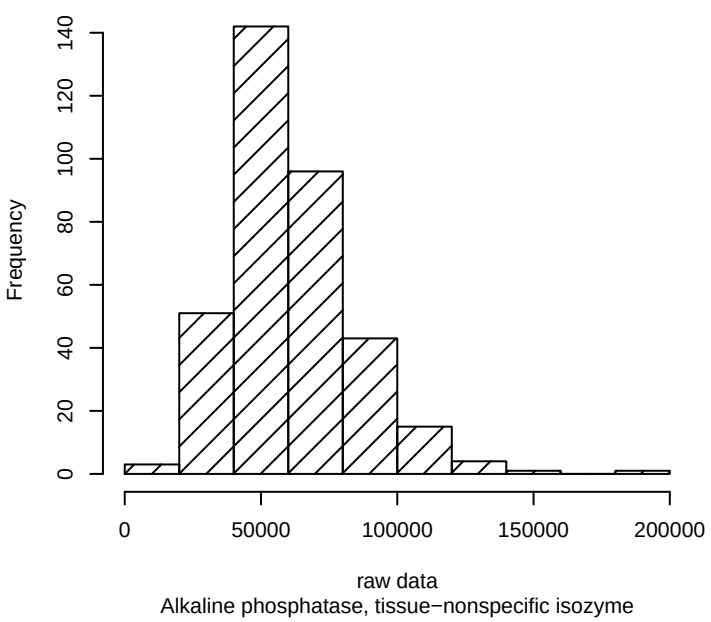

PPID (Uniprot: Q08752, ProbeID: 5202−4_3)
Frequency
0
20
40
60
80
8
10
12
14
16
log2−scaled data
Peptidyl−prolyl cis−trans isomerase D


PPID (Uniprot: Q08752, ProbeID: 5202−4_3)
log2−scaled data
8
10
12
14
G/G (229)
G/A (104)
A/A (19)
rs55936281 (Chr4:159648596)
Locus 156 top sentinel (tags KORA rs8396), p=0.03, FC=1.1374

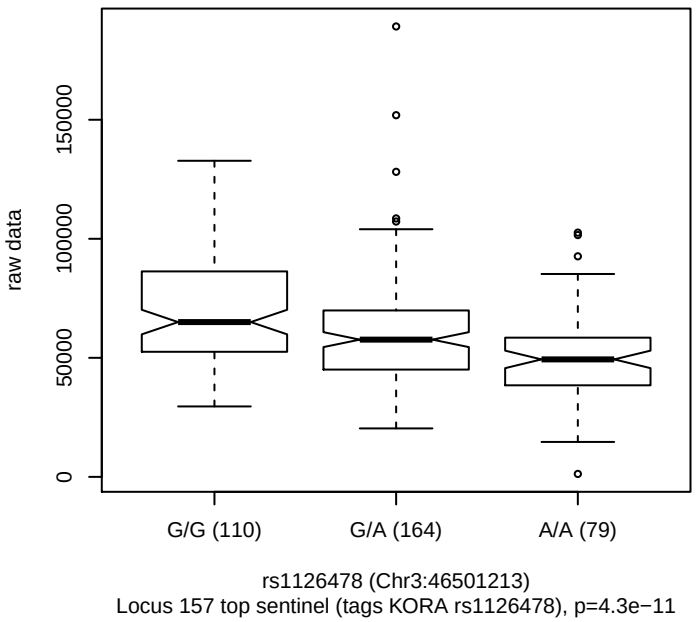

PPID (Uniprot: Q08752, ProbeID: 5202−4_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Peptidyl−prolyl cis−trans isomerase D


PPID (Uniprot: Q08752, ProbeID: 5202−4_3)
invnorm data
−2
−1
0
1
2
G/G (229)
G/A (104)
A/A (19)
rs55936281 (Chr4:159648596)
Locus 156 top sentinel (tags KORA rs8396), p=0.003

kaline phosphatase, bone (Uniprot: P05186, ProbeID: 2795-kaline phosphatase, bone (Uniprot: P05186, ProbeID: 2795-

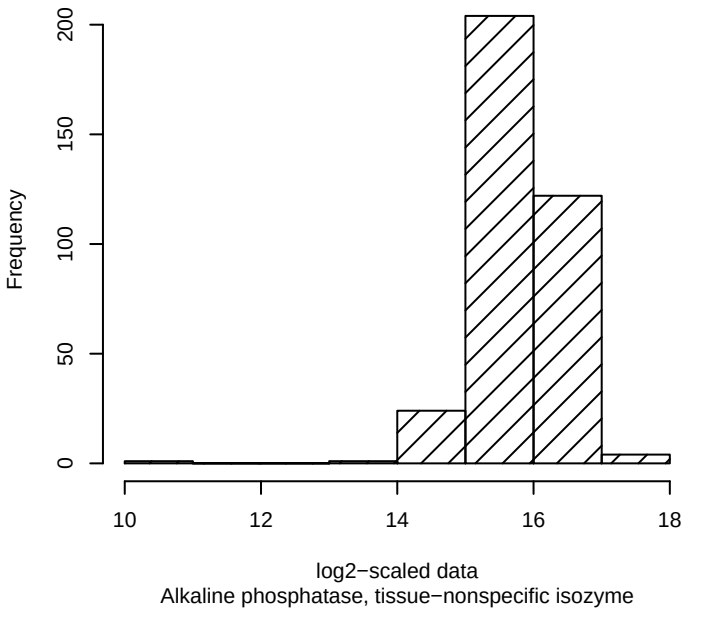


Alkaline phosphatase, tissue−nonspecific isozyme

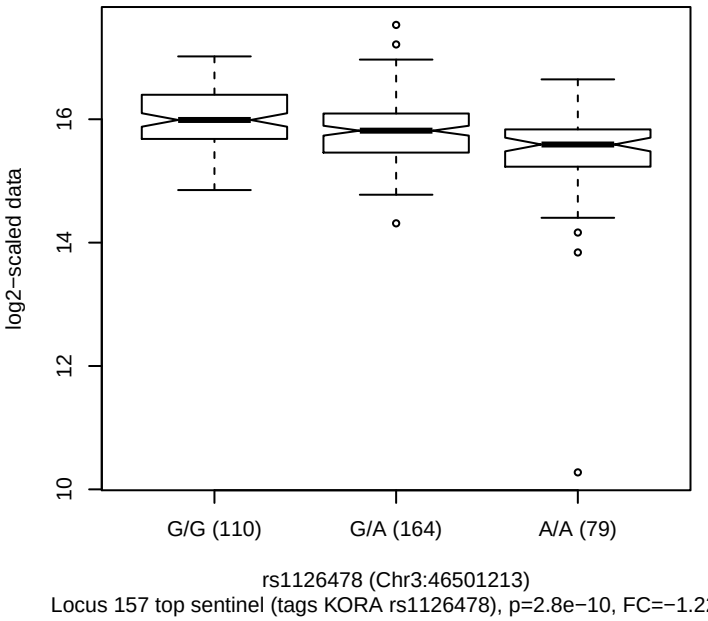


rs1126478 (Chr3:46501213)
Locus 157 top sentinel (tags KORA rs1126478), p=4.3e−11

kaline phosphatase, bone (Uniprot: P05186, ProbeID: 2795-kaline phosphatase, bone (Uniprot: P05186, ProbeID: 2795-

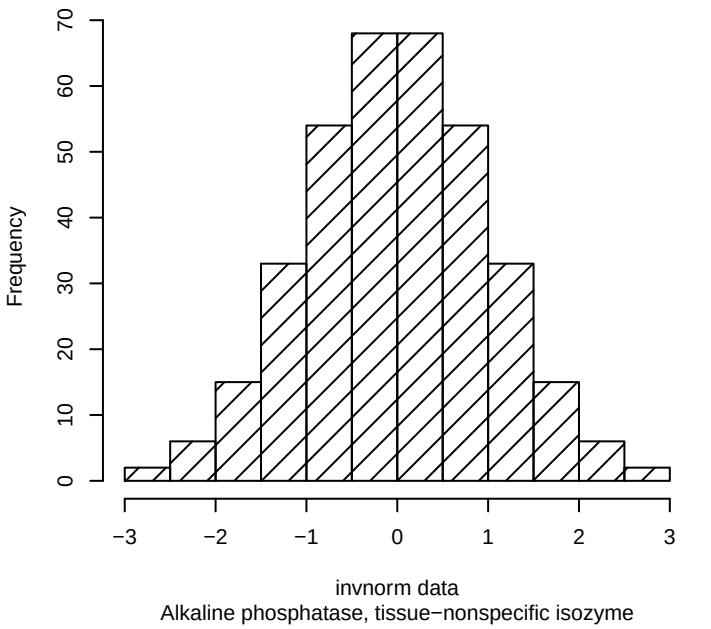


Alkaline phosphatase, tissue−nonspecific isozyme

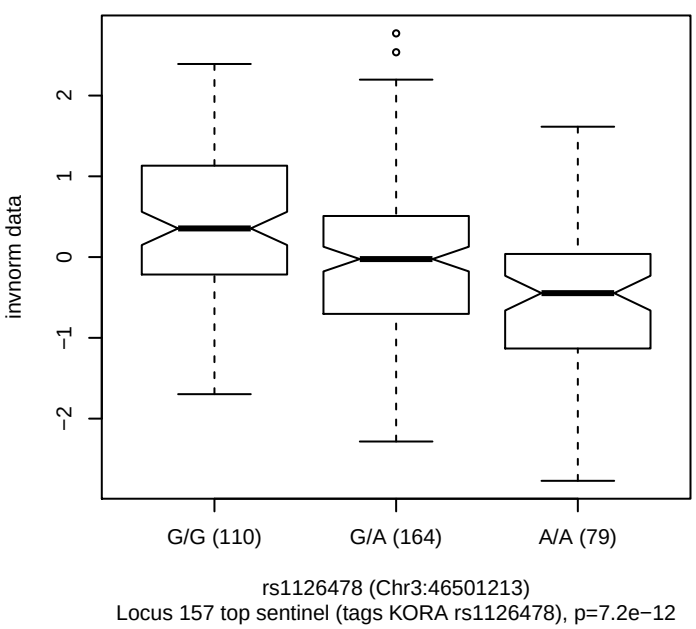


rs1126478 (Chr3:46501213)
Locus 157 top sentinel (tags KORA rs1126478), p=2.8e−10, FC=−1.2221

kaline phosphatase, bone (Uniprot: P05186, ProbeID: 2795-kaline phosphatase, bone (Uniprot: P05186, ProbeID: 2795-

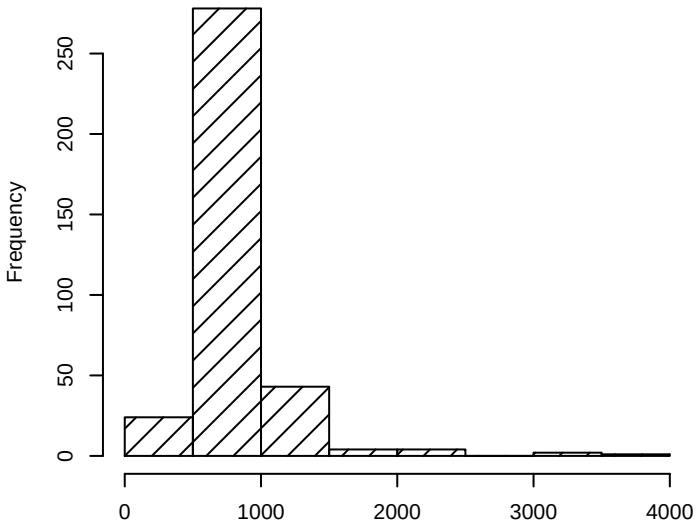


Alkaline phosphatase, tissue−nonspecific isozyme

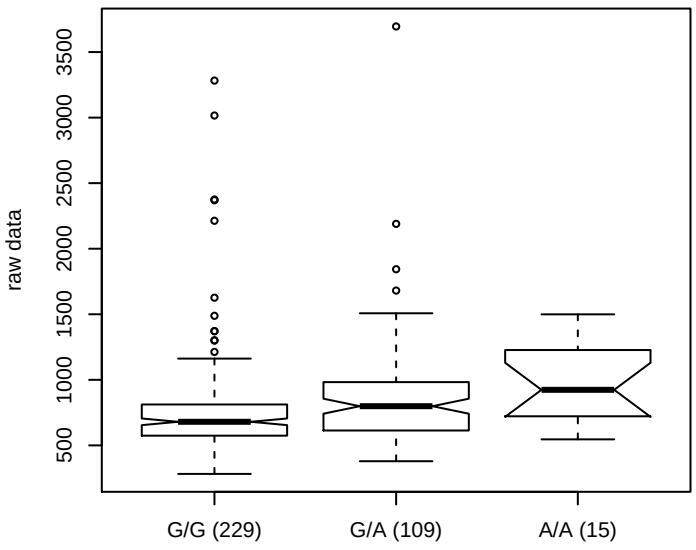


rs1126478 (Chr3:46501213)
Locus 157 top sentinel (tags KORA rs1126478), p=7.2e−12

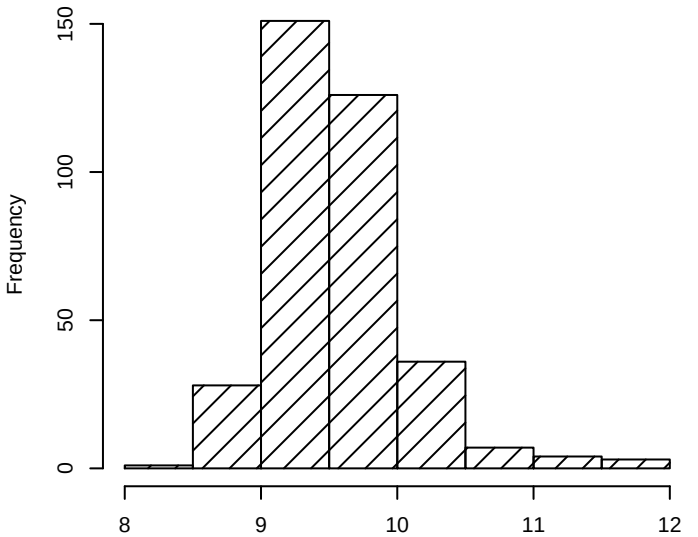
C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5



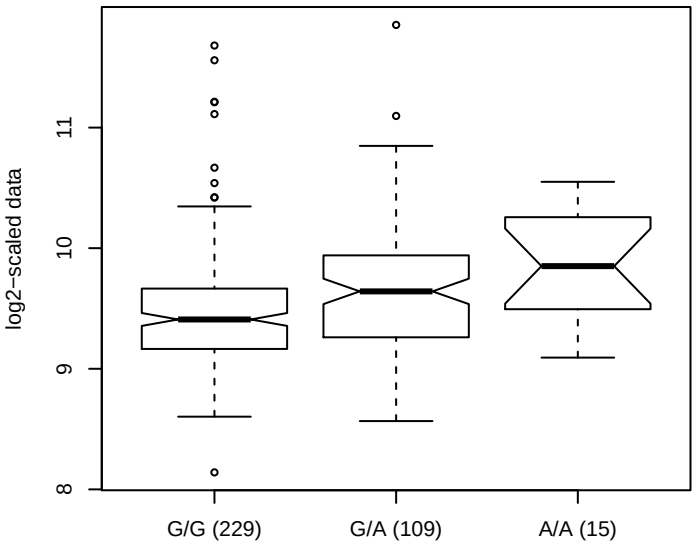
C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5



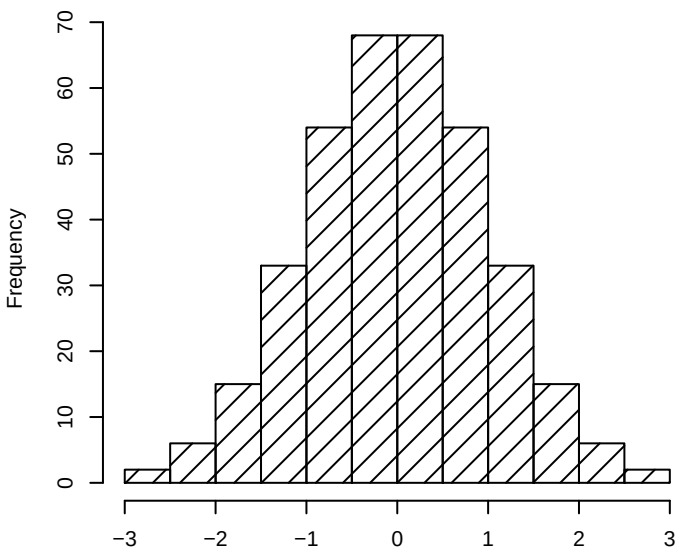
C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5



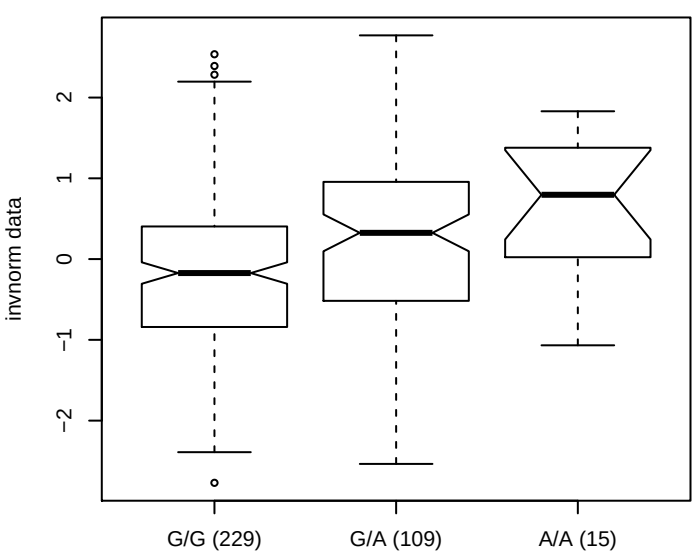
C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5

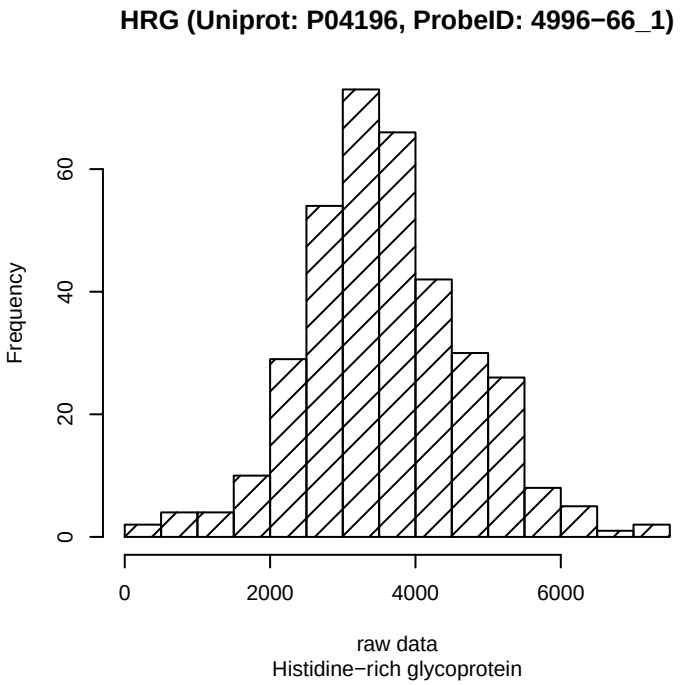


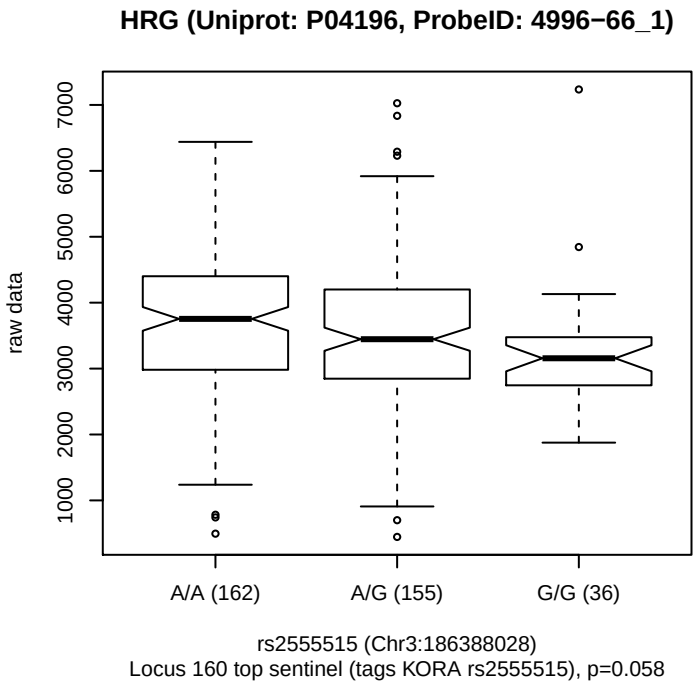
C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5

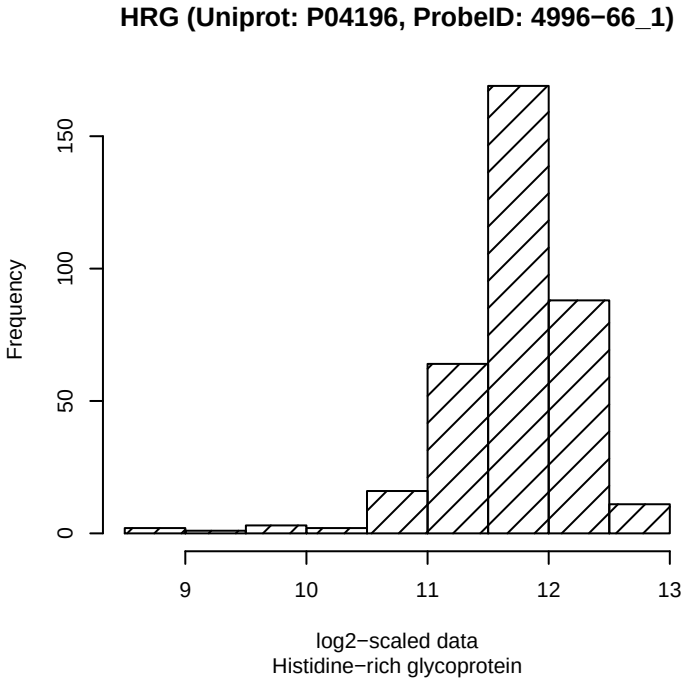


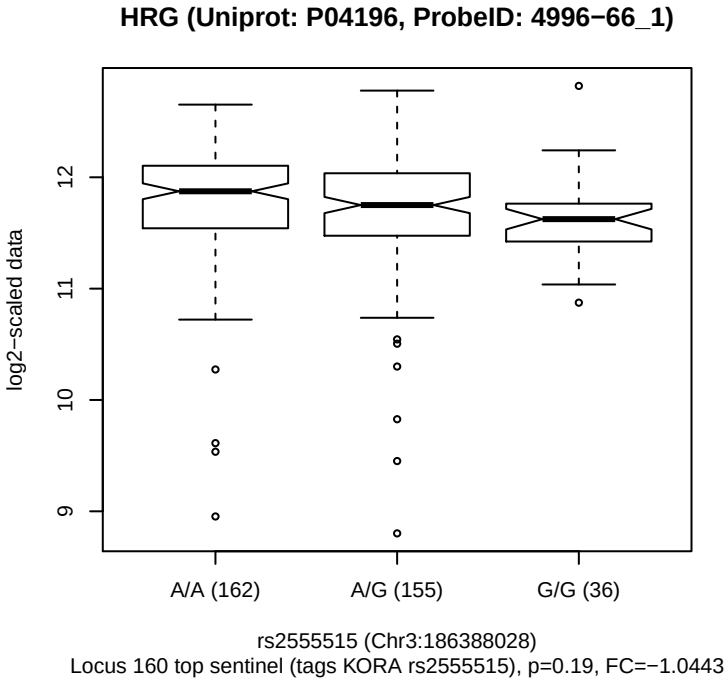
C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5

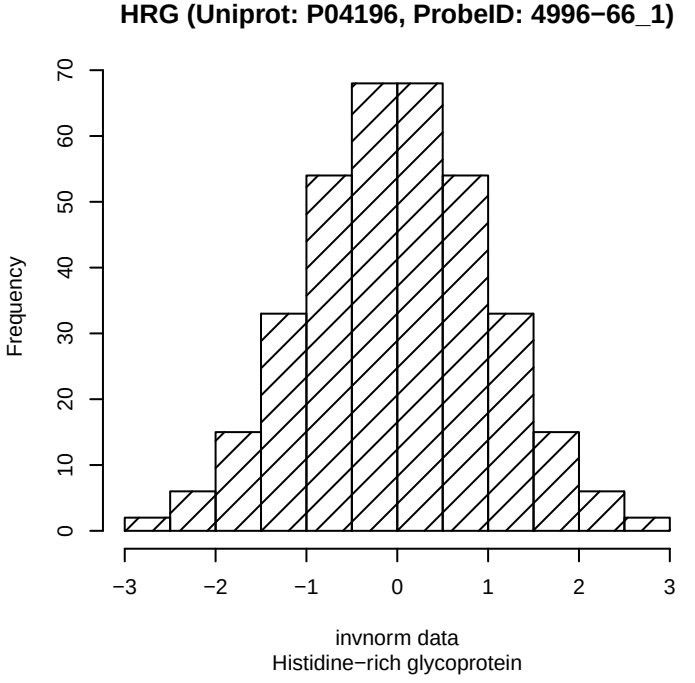


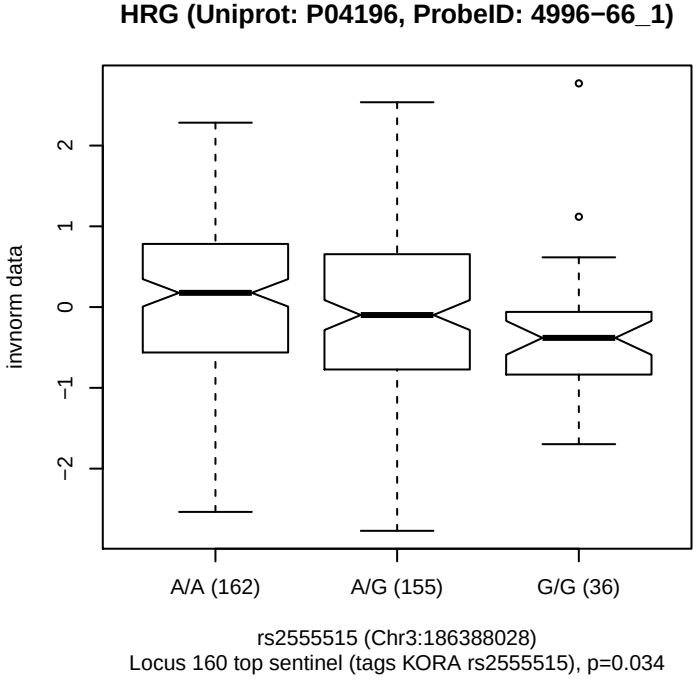

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
Frequency
0
20
40
60
0
2000
4000
6000
raw data
Histidine−rich glycoprotein

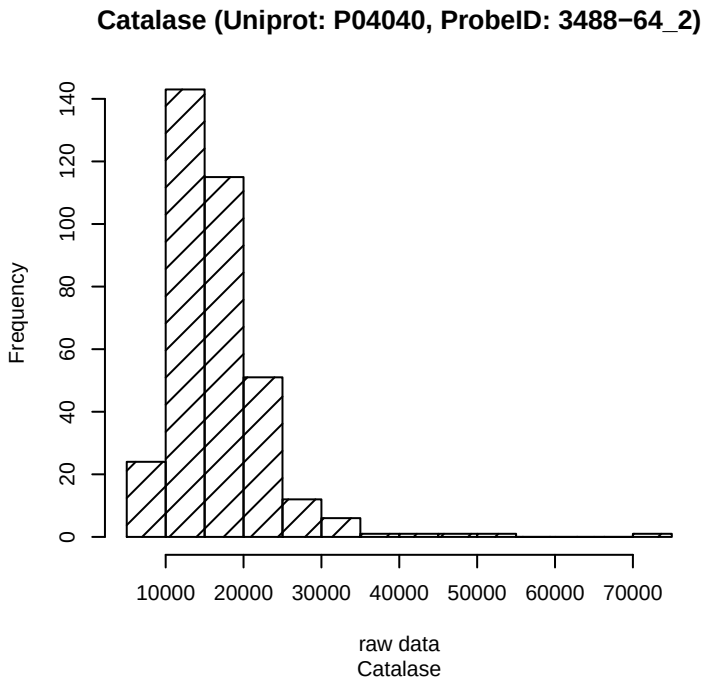

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
raw data
1000
2000
3000
4000
5000
6000
7000
A/A (162)
A/G (155)
G/G (36)
rs2555515 (Chr3:186388028)
Locus 160 top sentinel (tags KORA rs2555515), p=0.058

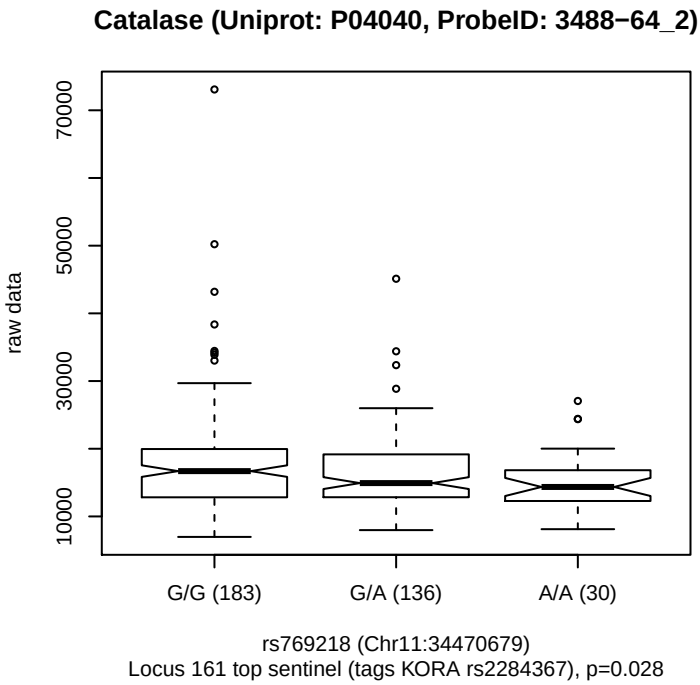

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
Frequency
0
50
100
150
9
10
11
12
13
log2−scaled data
Histidine−rich glycoprotein

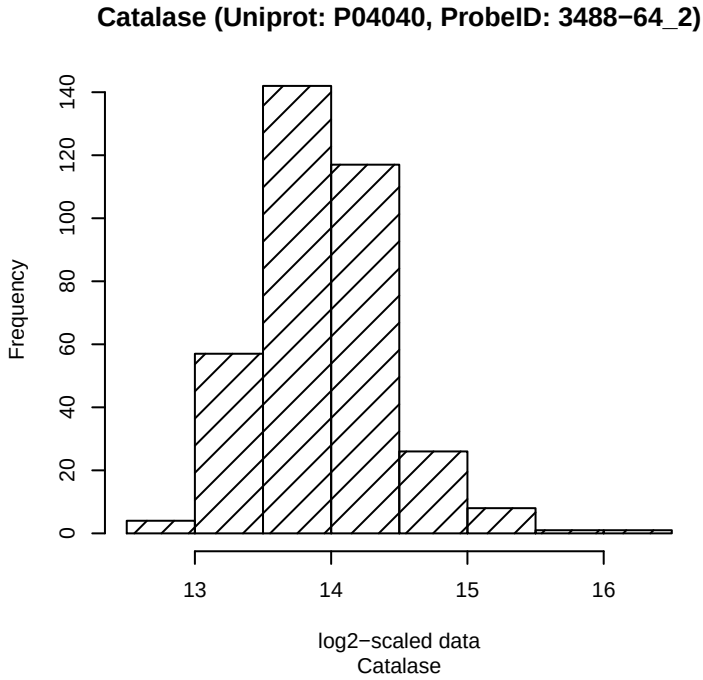

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
log2−scaled data
9
10
11
12
A/A (162)
A/G (155)
G/G (36)
rs2555515 (Chr3:186388028)
Locus 160 top sentinel (tags KORA rs2555515), p=0.19, FC=−1.0443

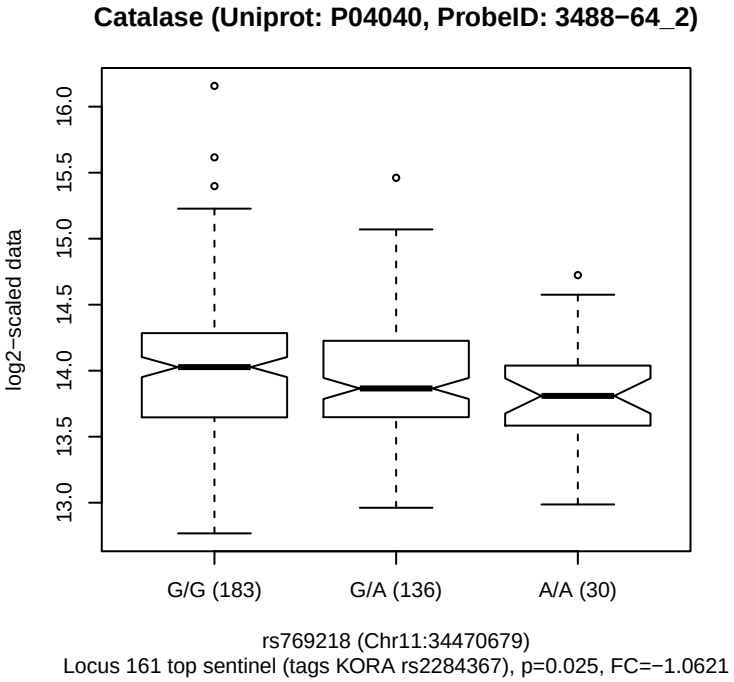

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Histidine−rich glycoprotein

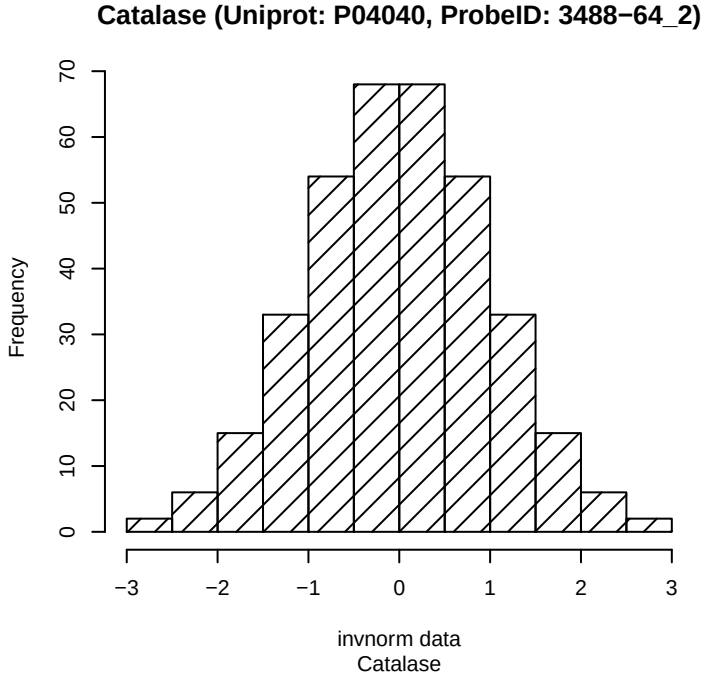

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
invnorm data
−2
−1
0
1
2
A/A (162)
A/G (155)
G/G (36)
rs2555515 (Chr3:186388028)
Locus 160 top sentinel (tags KORA rs2555515), p=0.034

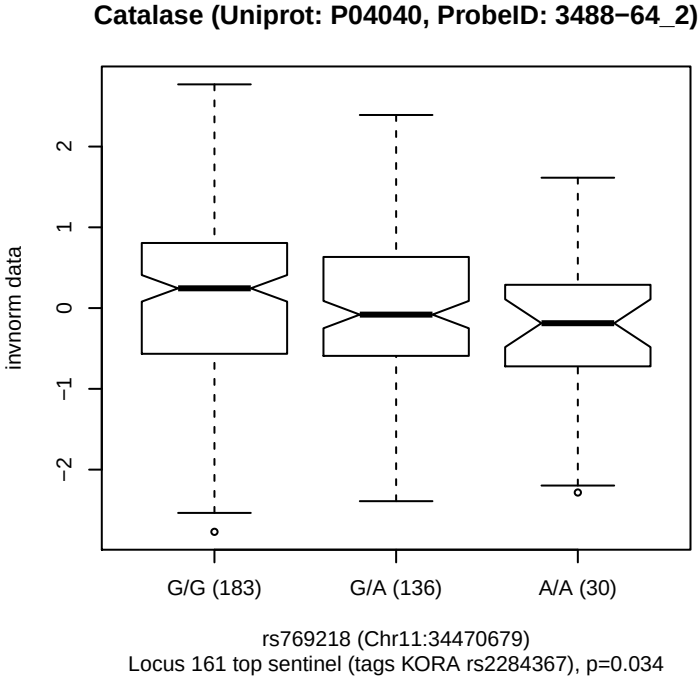

Catalase (Uniprot: P04040, ProbeID: 3488−64_2)
Frequency
0
20
40
60
80
100
120
140
10000
20000
30000
40000
50000
60000
70000
raw data
Catalase

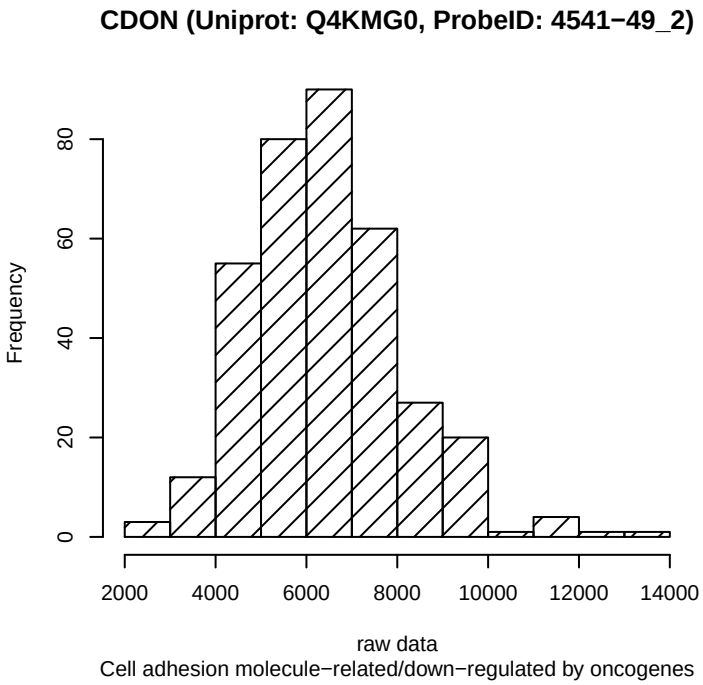

Catalase (Uniprot: P04040, ProbeID: 3488−64_2)
raw data
10000
30000
50000
70000
G/G (183)
G/A (136)
A/A (30)
rs769218 (Chr11:34470679)
Locus 161 top sentinel (tags KORA rs2284367), p=0.028

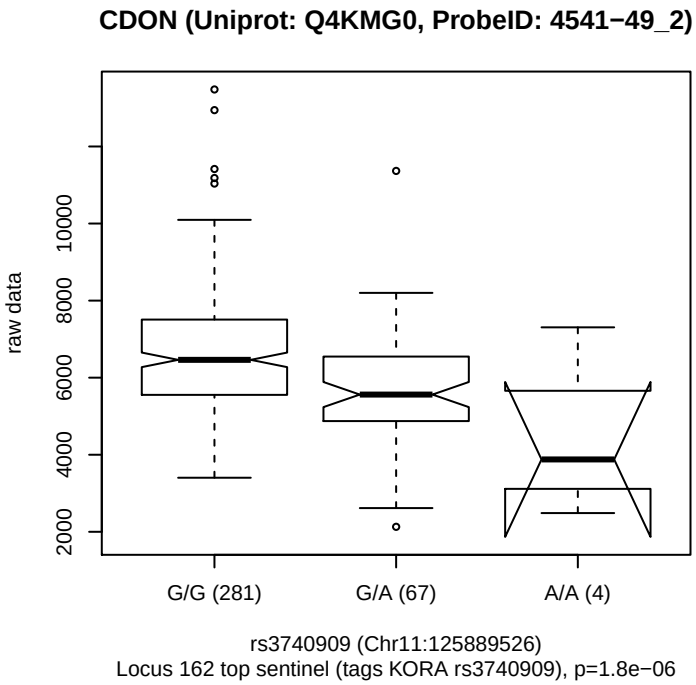

Catalase (Uniprot: P04040, ProbeID: 3488−64_2)
Frequency
0
20
40
60
80
100
120
140
13
14
15
16
log2−scaled data
Catalase

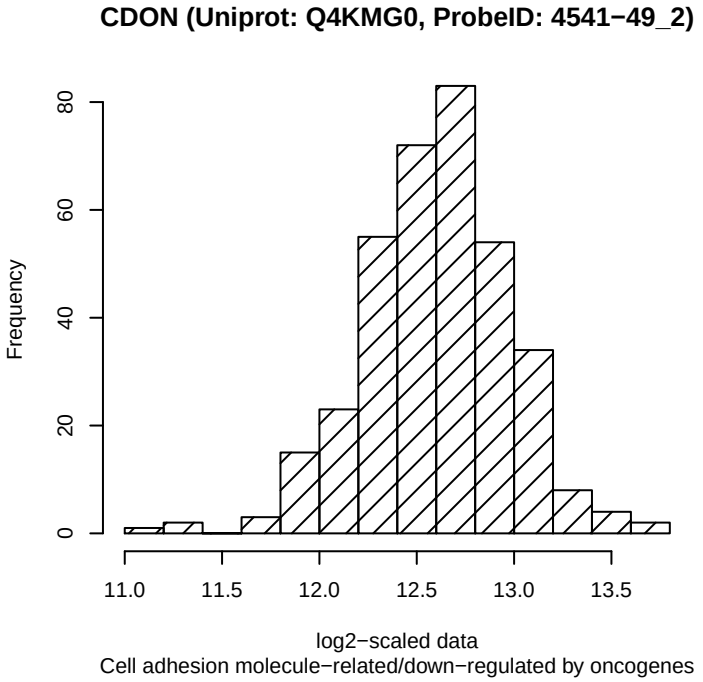

Catalase (Uniprot: P04040, ProbeID: 3488−64_2)
log2−scaled data
13.0
13.5
14.0
14.5
15.0
15.5
16.0
G/G (183)
G/A (136)
A/A (30)
rs769218 (Chr11:34470679)
Locus 161 top sentinel (tags KORA rs2284367), p=0.025, FC=−1.0621

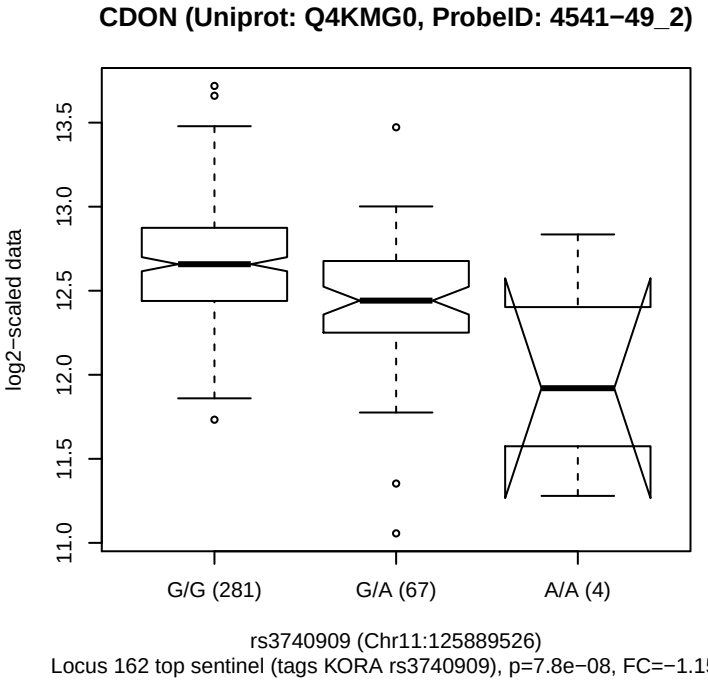

Catalase (Uniprot: P04040, ProbeID: 3488−64_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Catalase

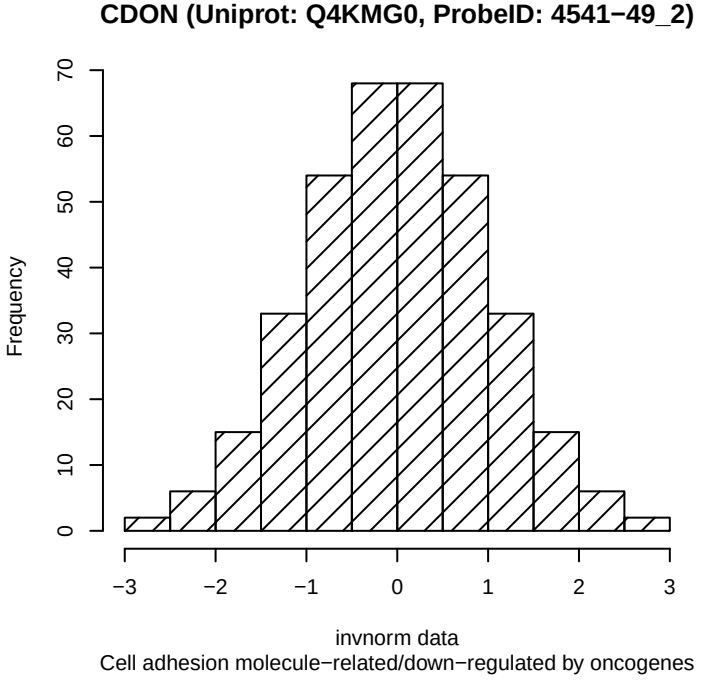

Catalase (Uniprot: P04040, ProbeID: 3488−64_2)
invnorm data
−2
−1
0
1
2
G/G (183)
G/A (136)
A/A (30)
rs769218 (Chr11:34470679)
Locus 161 top sentinel (tags KORA rs2284367), p=0.034

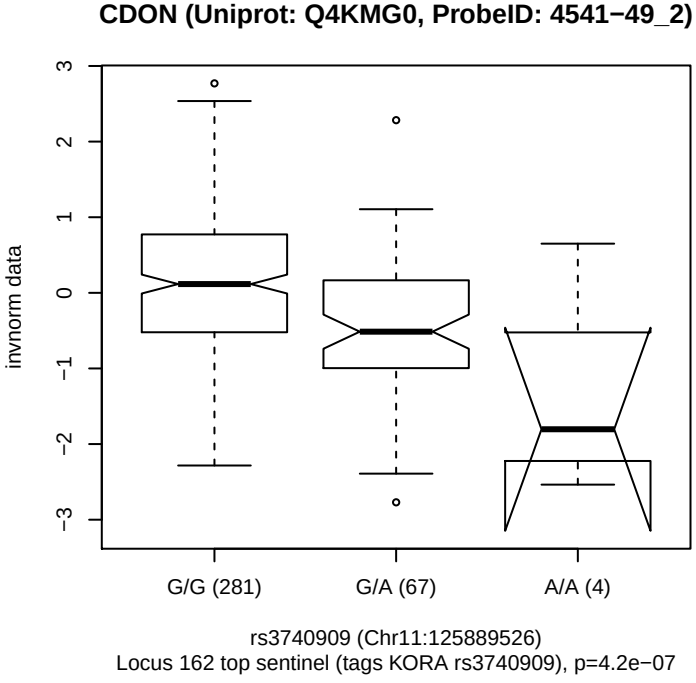

CDON (Uniprot: Q4KMG0, ProbeID: 4541−49_2)
Frequency
0
20
40
60
80
2000
4000
6000
8000
10000
12000
14000
raw data
Cell adhesion molecule−related/down−regulated by oncogenes

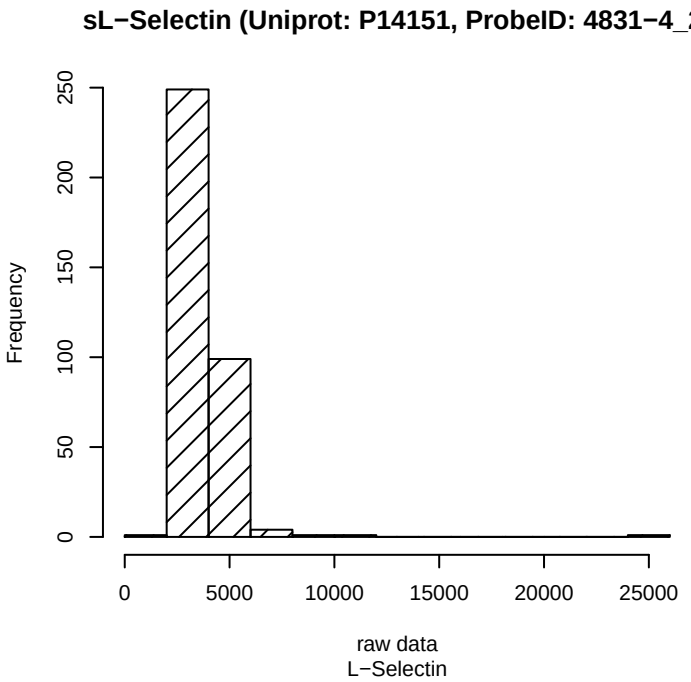

CDON (Uniprot: Q4KMG0, ProbeID: 4541−49_2)
raw data
2000
4000
6000
8000
10000
G/G (281)
G/A (67)
A/A (4)
rs3740909 (Chr11:125889526)
Locus 162 top sentinel (tags KORA rs3740909), p=1.8e−06

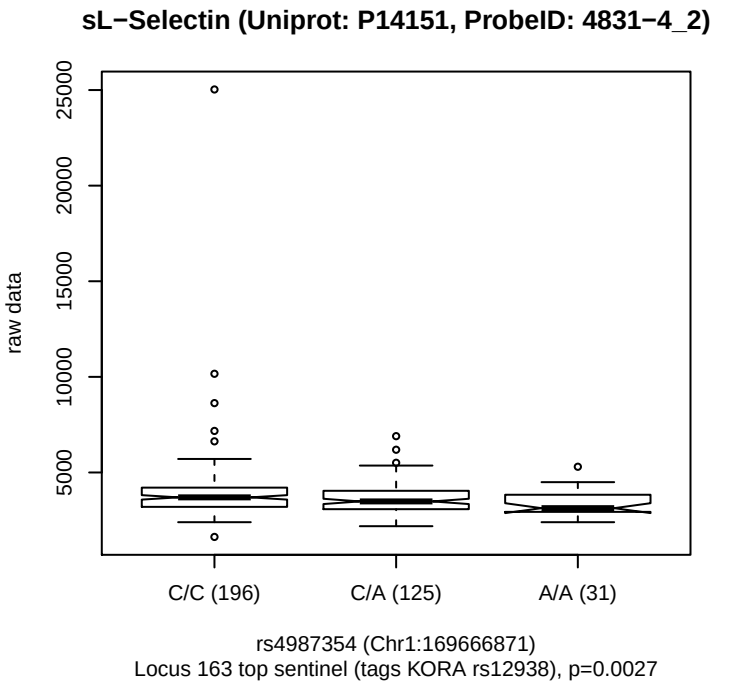

CDON (Uniprot: Q4KMG0, ProbeID: 4541−49_2)
Frequency
0
20
40
60
80
11.0
11.5
12.0
12.5
13.0
13.5
log2−scaled data
Cell adhesion molecule−related/down−regulated by oncogenes

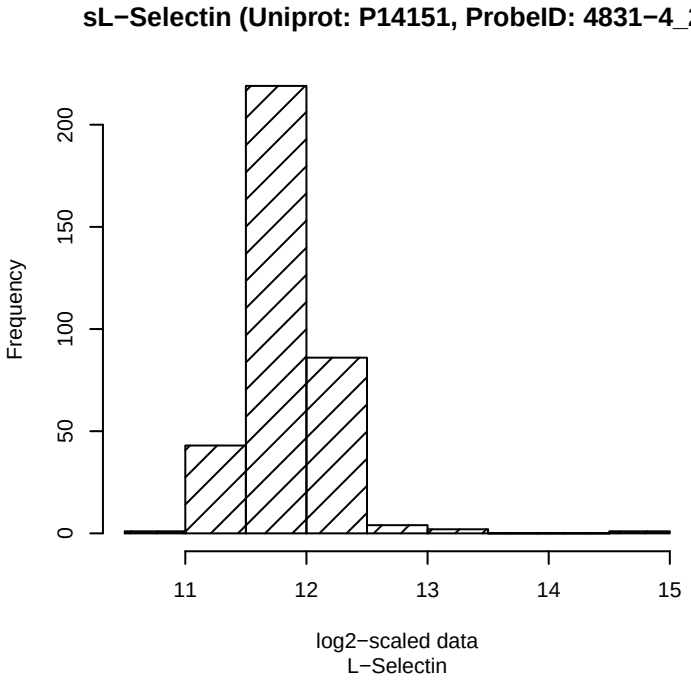

CDON (Uniprot: Q4KMG0, ProbeID: 4541−49_2)
log2−scaled data
11.0
11.5
12.0
12.5
13.0
13.5
G/G (281)
G/A (67)
A/A (4)
rs3740909 (Chr11:125889526)
Locus 162 top sentinel (tags KORA rs3740909), p=7.8e−08, FC=−1.1536

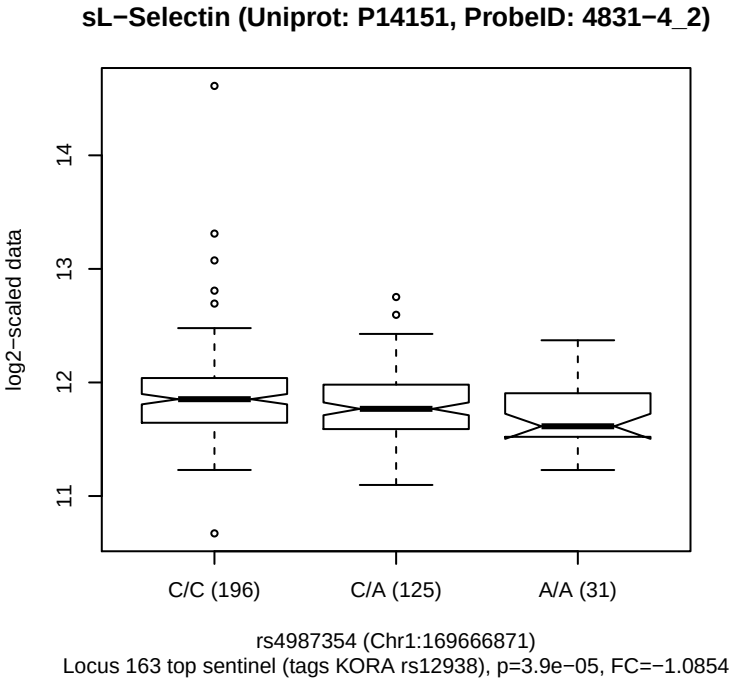

CDON (Uniprot: Q4KMG0, ProbeID: 4541−49_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Cell adhesion molecule−related/down−regulated by oncogenes

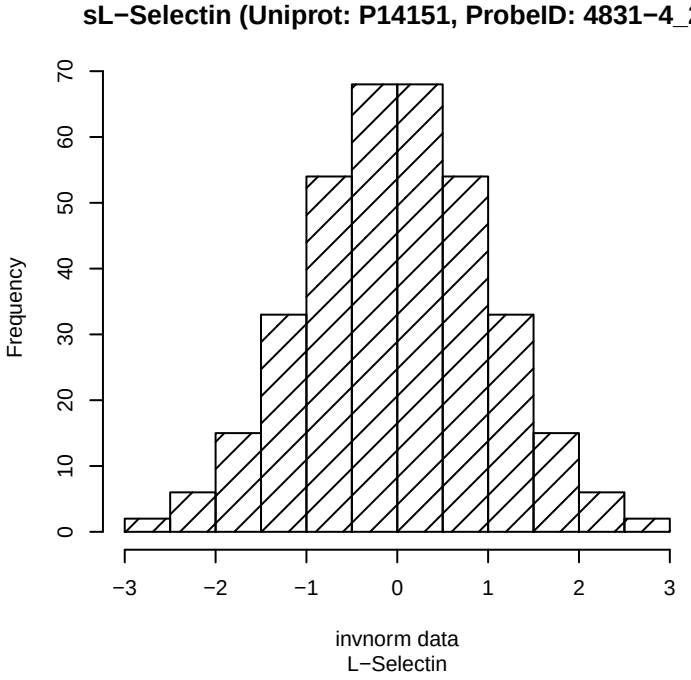

CDON (Uniprot: Q4KMG0, ProbeID: 4541−49_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (281)
G/A (67)
A/A (4)
rs3740909 (Chr11:125889526)
Locus 162 top sentinel (tags KORA rs3740909), p=4.2e−07

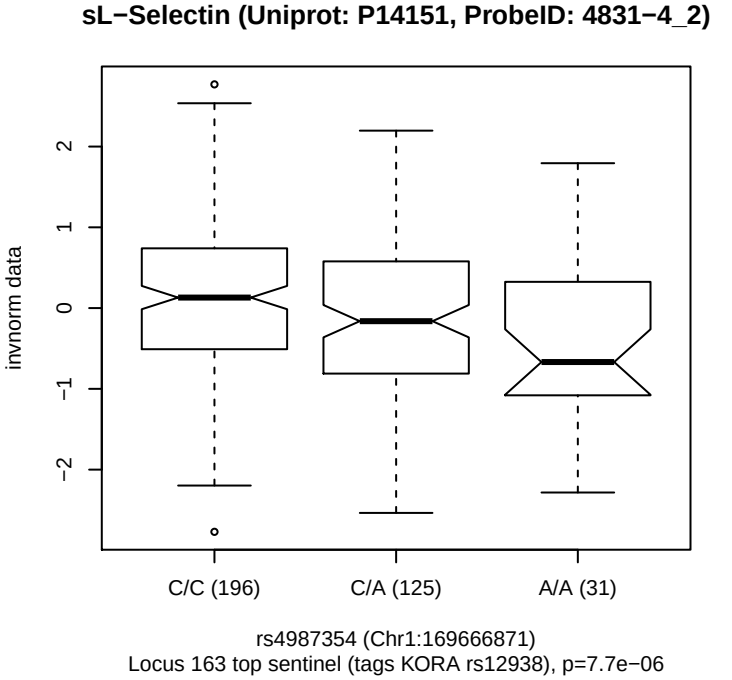

sL−Selectin (Uniprot: P14151, ProbeID: 4831−4_2)
Frequency
0
50
100
150
200
250
0
5000
10000
15000
20000
25000
raw data
L−Selectin


sL−Selectin (Uniprot: P14151, ProbeID: 4831−4_2)
raw data
5000
10000
15000
20000
25000
C/C (196)
C/A (125)
A/A (31)
rs4987354 (Chr1:169666871)
Locus 163 top sentinel (tags KORA rs12938), p=0.0027

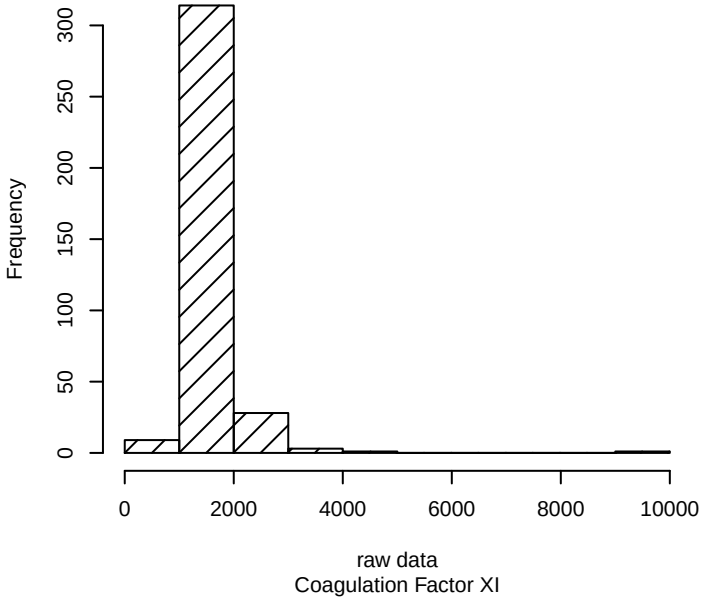

sL−Selectin (Uniprot: P14151, ProbeID: 4831−4_2)
Frequency
0
50
100
150
200
11
12
13
14
15
log2−scaled data
L−Selectin


sL−Selectin (Uniprot: P14151, ProbeID: 4831−4_2)
log2−scaled data
11
12
13
14
C/C (196)
C/A (125)
A/A (31)
rs4987354 (Chr1:169666871)
Locus 163 top sentinel (tags KORA rs12938), p=3.9e−05, FC=−1.0854

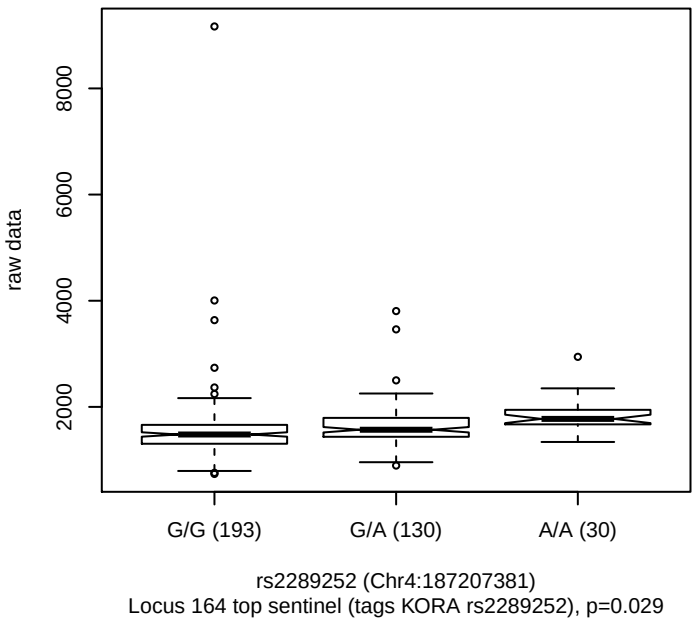

sL−Selectin (Uniprot: P14151, ProbeID: 4831−4_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
L−Selectin


sL−Selectin (Uniprot: P14151, ProbeID: 4831−4_2)
invnorm data
−2
−1
0
1
2
C/C (196)
C/A (125)
A/A (31)
rs4987354 (Chr1:169666871)
Locus 163 top sentinel (tags KORA rs12938), p=7.7e−06

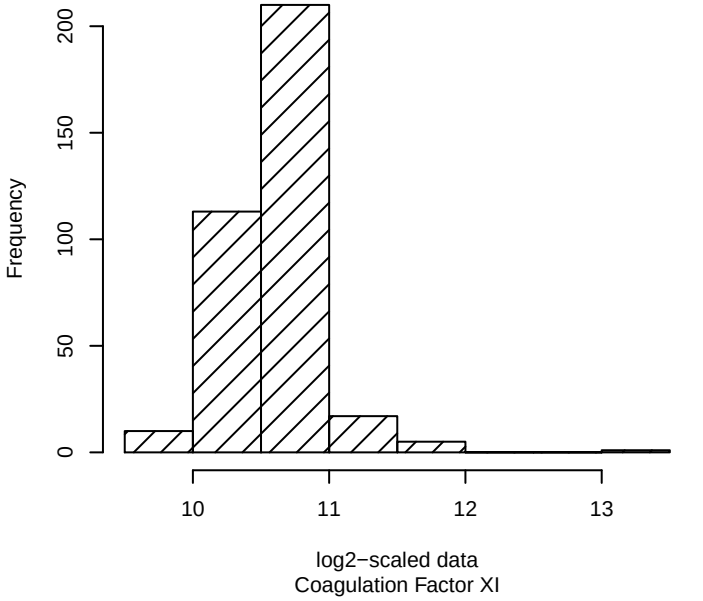
Coagulation Factor XI (Uniprot: P03951, ProbeID: 2190−55



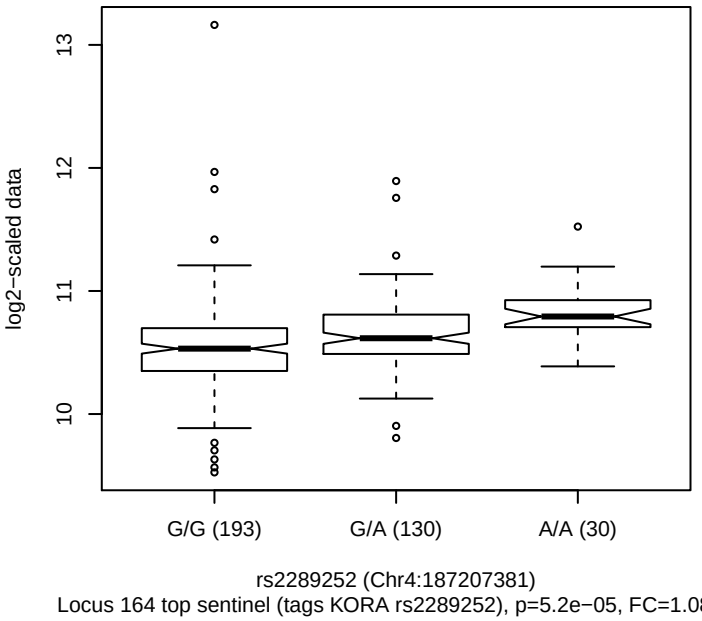
Coagulation Factor XI (Uniprot: P03951, ProbeID: 2190−55



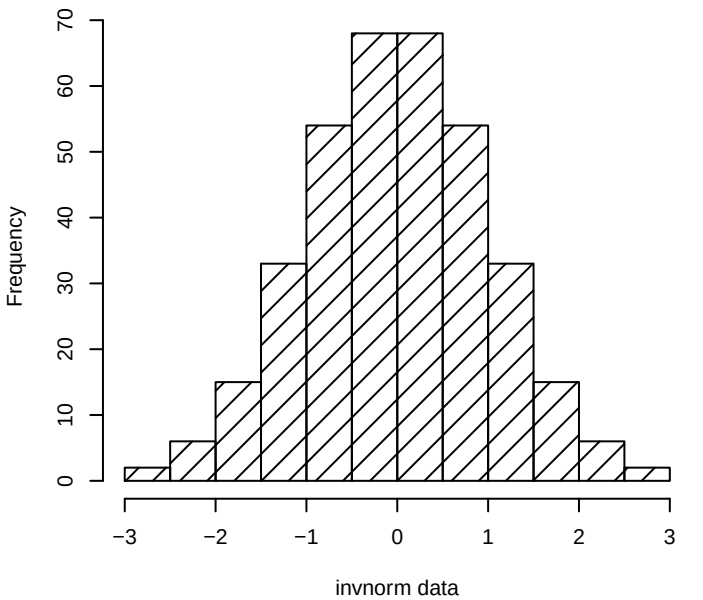
Coagulation Factor XI (Uniprot: P03951, ProbeID: 2190−55



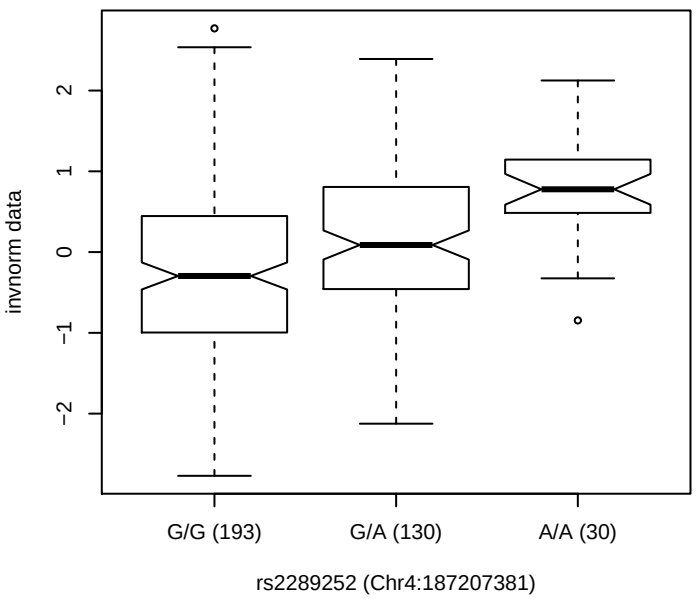
Coagulation Factor XI (Uniprot: P03951, ProbeID: 2190−55



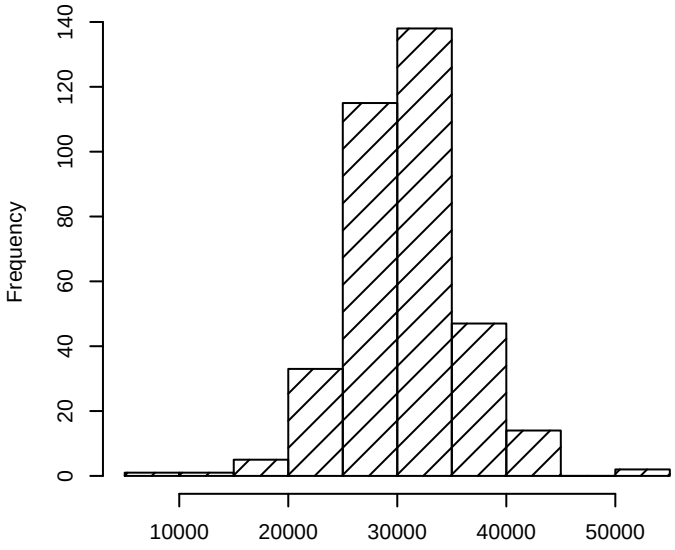
Coagulation Factor XI (Uniprot: P03951, ProbeID: 2190−55



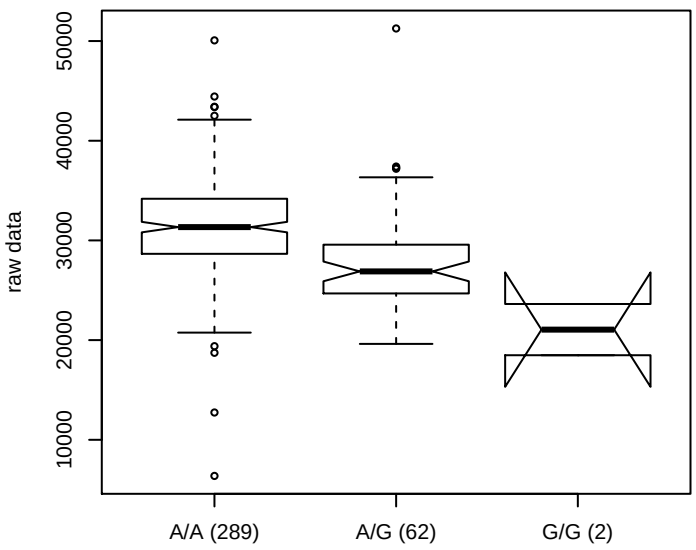
Coagulation Factor XI (Uniprot: P03951, ProbeID: 2190−55



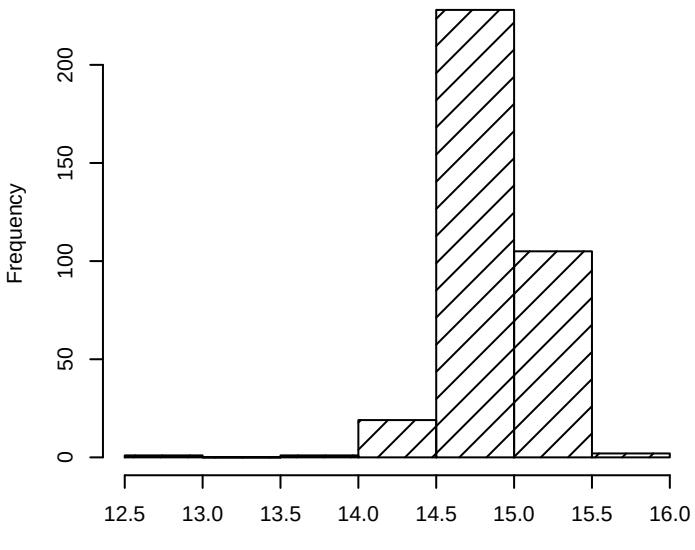
Coagulation Factor V (Uniprot: P12259, ProbeID: 4906−35_



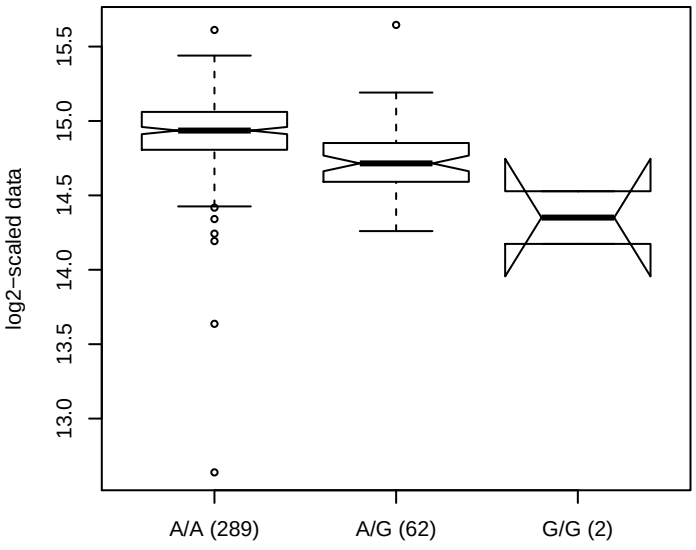
Coagulation Factor V (Uniprot: P12259, ProbeID: 4906−35_



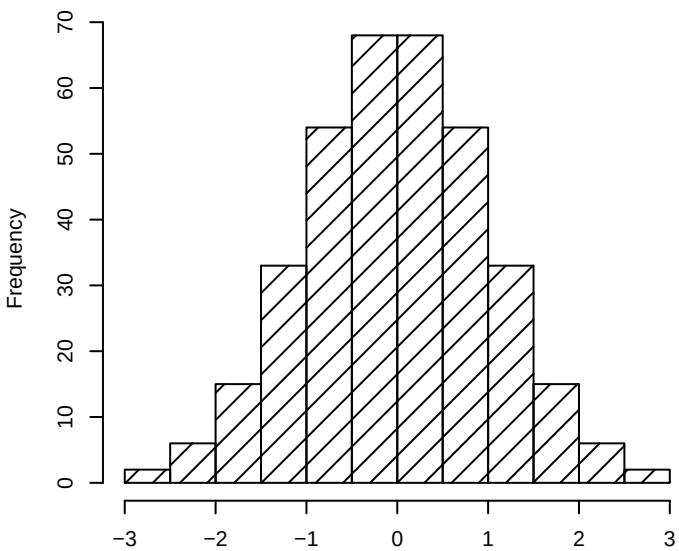
Coagulation Factor V (Uniprot: P12259, ProbeID: 4906−35_



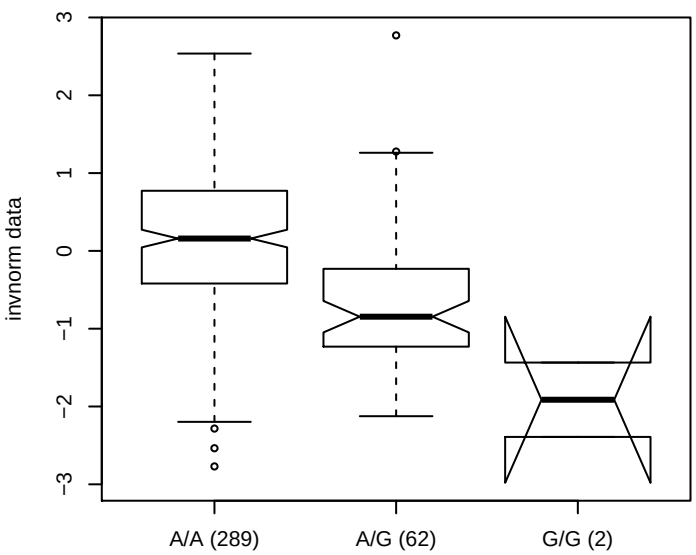
Coagulation Factor V (Uniprot: P12259, ProbeID: 4906−35_



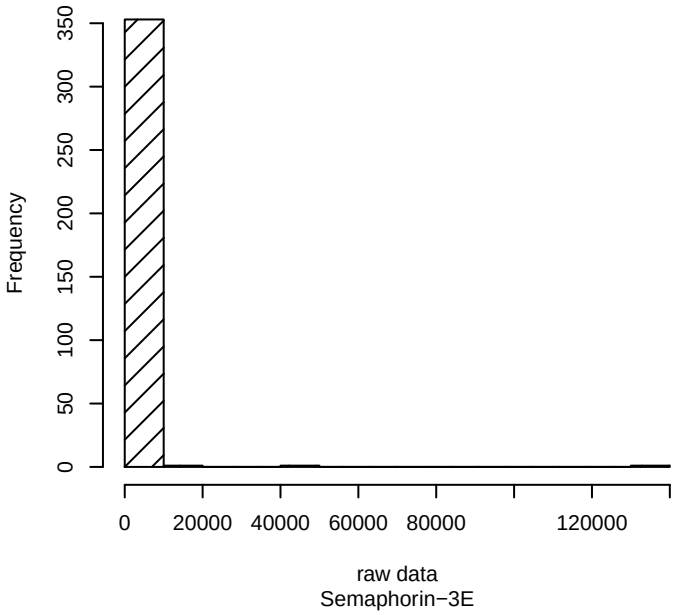
Coagulation Factor V (Uniprot: P12259, ProbeID: 4906−35_



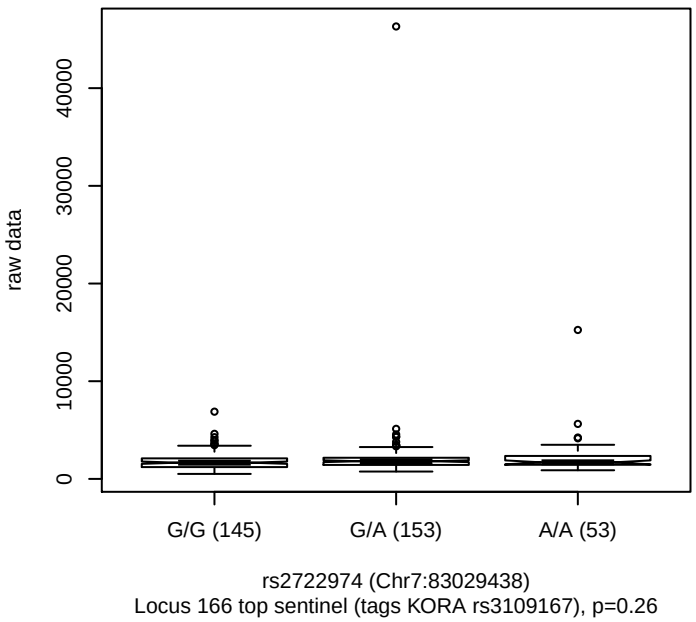
Coagulation Factor V (Uniprot: P12259, ProbeID: 4906−35_



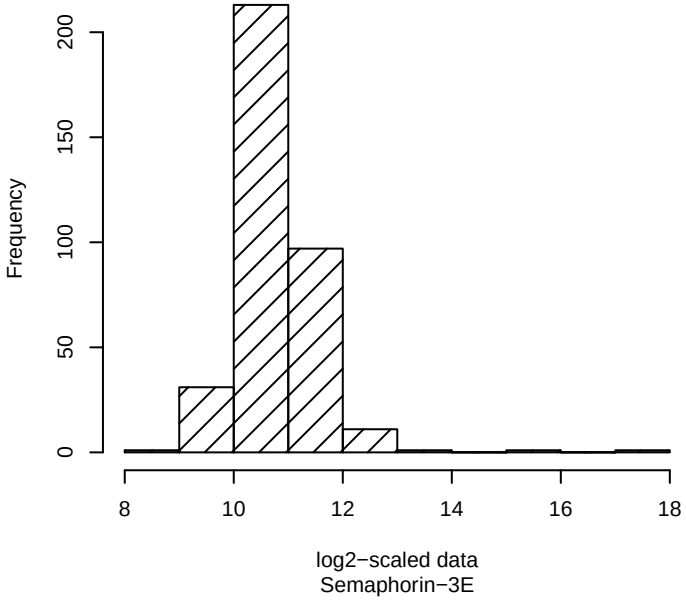
Semaphorin 3E (Uniprot: O15041, ProbeID: 5363−51_3)



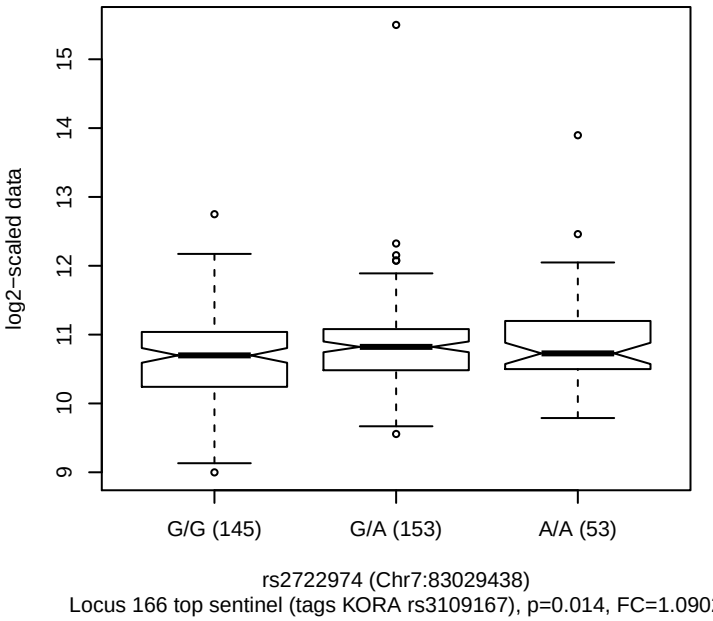
Semaphorin 3E (Uniprot: O15041, ProbeID: 5363−51_3)



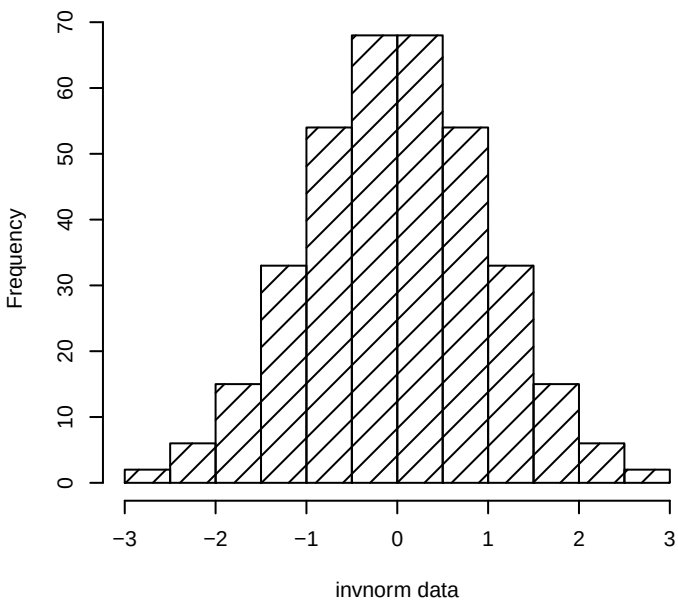
Semaphorin 3E (Uniprot: O15041, ProbeID: 5363−51_3)



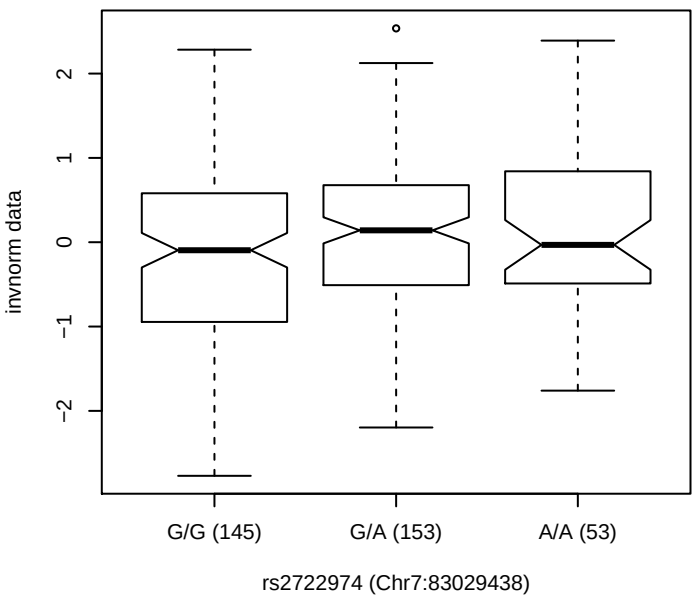
Semaphorin 3E (Uniprot: O15041, ProbeID: 5363−51_3)

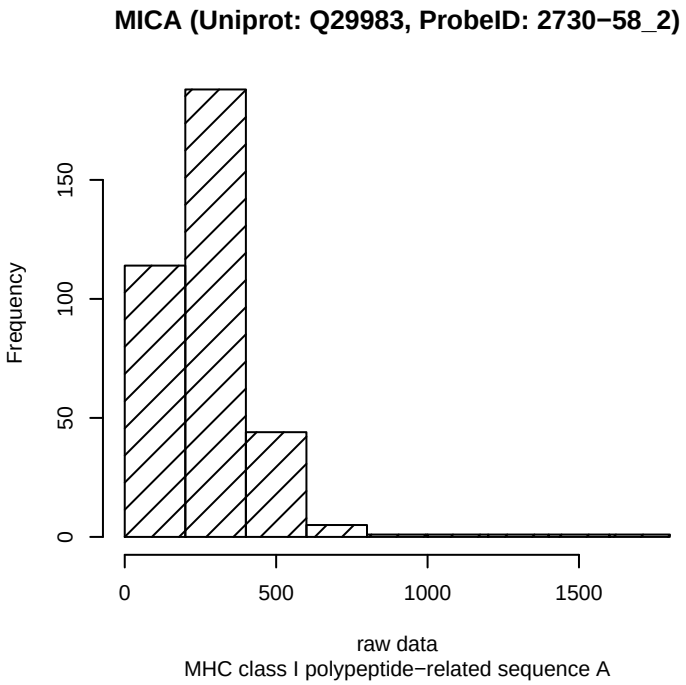


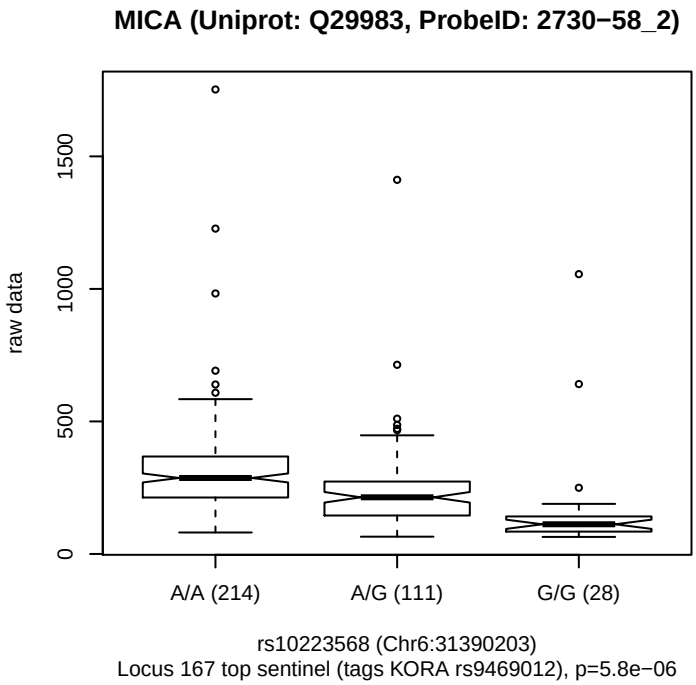
Semaphorin 3E (Uniprot: O15041, ProbeID: 5363−51_3)

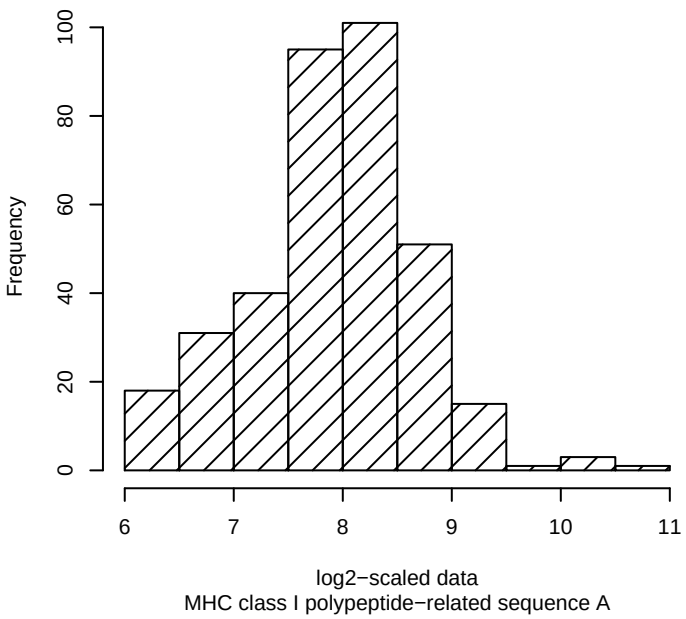


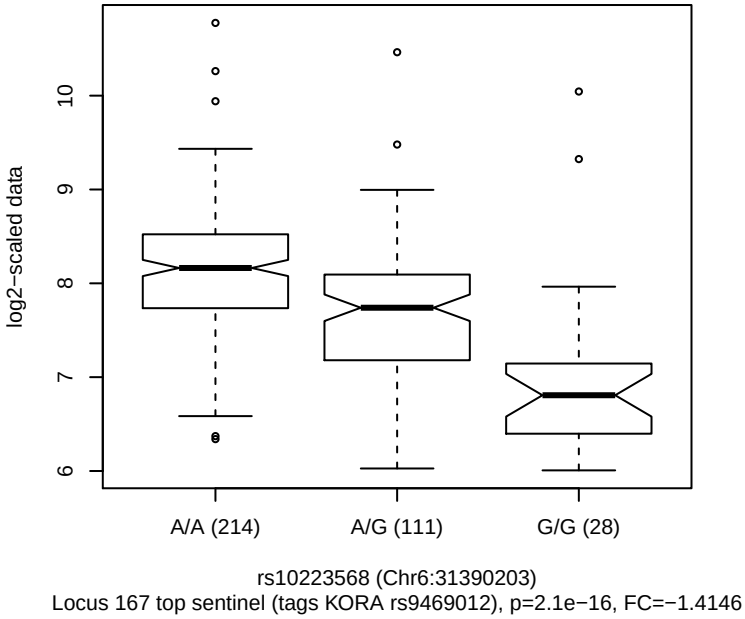
Semaphorin 3E (Uniprot: O15041, ProbeID: 5363−51_3)

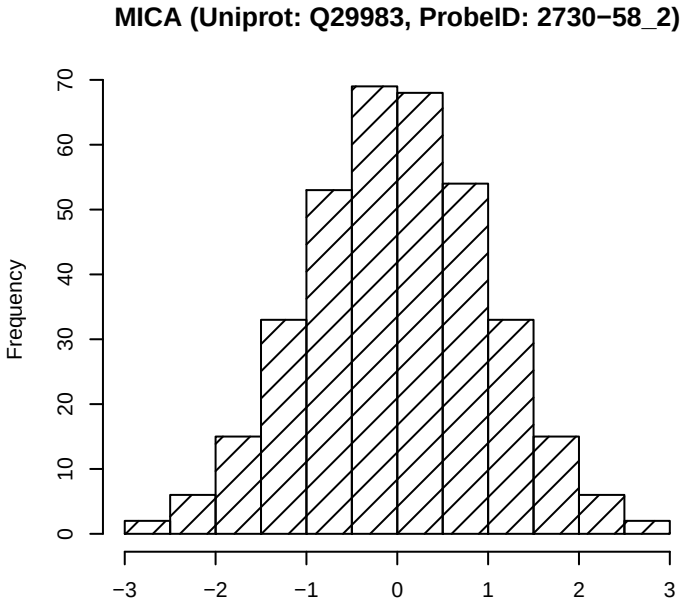


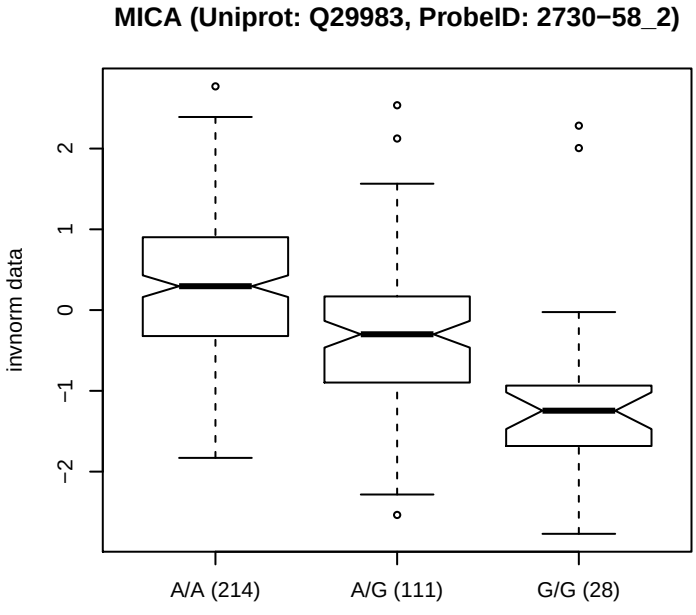

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
0
500
1000
1500
raw data
MHC class I polypeptide−related sequence A

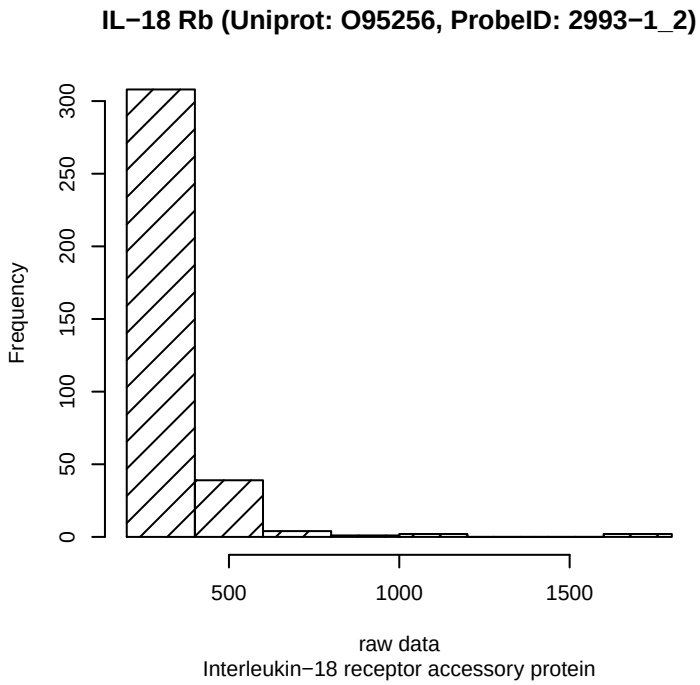

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
raw data
0
500
1000
1500
A/A (214)
A/G (111)
G/G (28)
rs10223568 (Chr6:31390203)
Locus 167 top sentinel (tags KORA rs9469012), p=5.8e−06

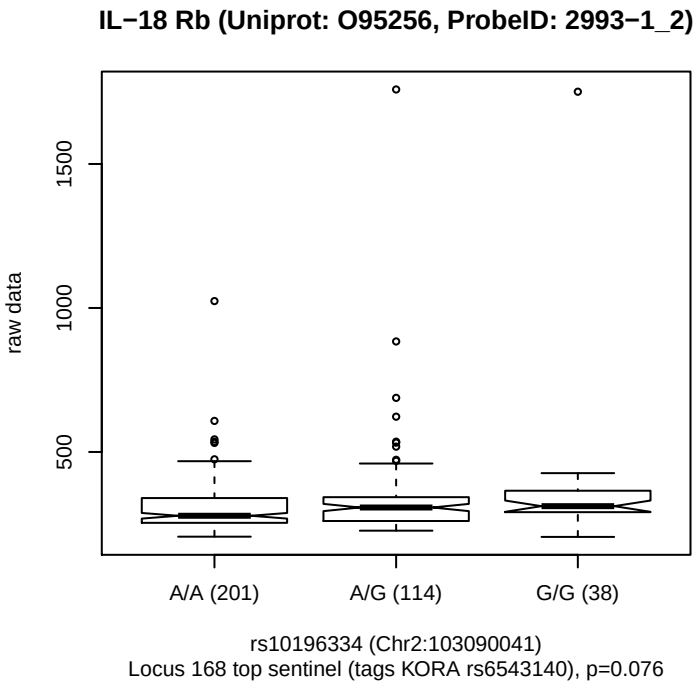

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
20
40
60
80
100
6
7
8
9
10
11
log2−scaled data
MHC class I polypeptide−related sequence A

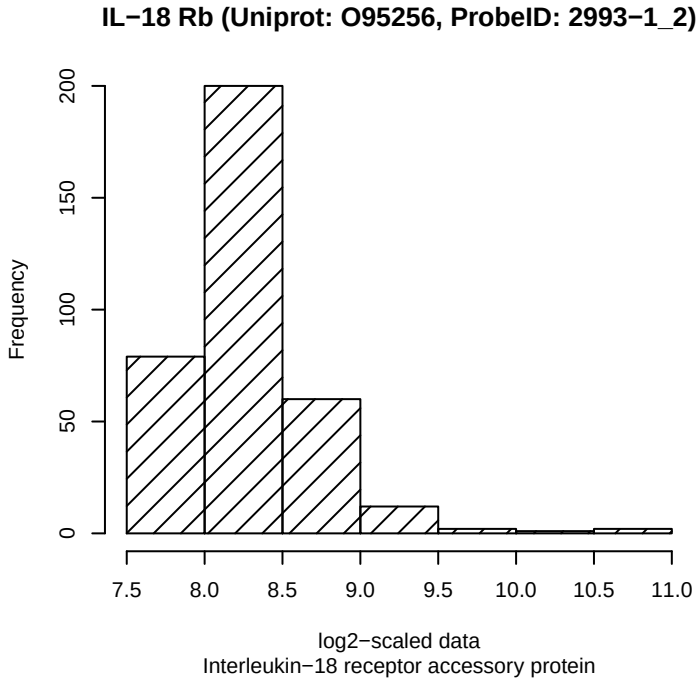

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
log2−scaled data
6
7
8
9
10
A/A (214)
A/G (111)
G/G (28)
rs10223568 (Chr6:31390203)
Locus 167 top sentinel (tags KORA rs9469012), p=2.1e−16, FC=−1.4146

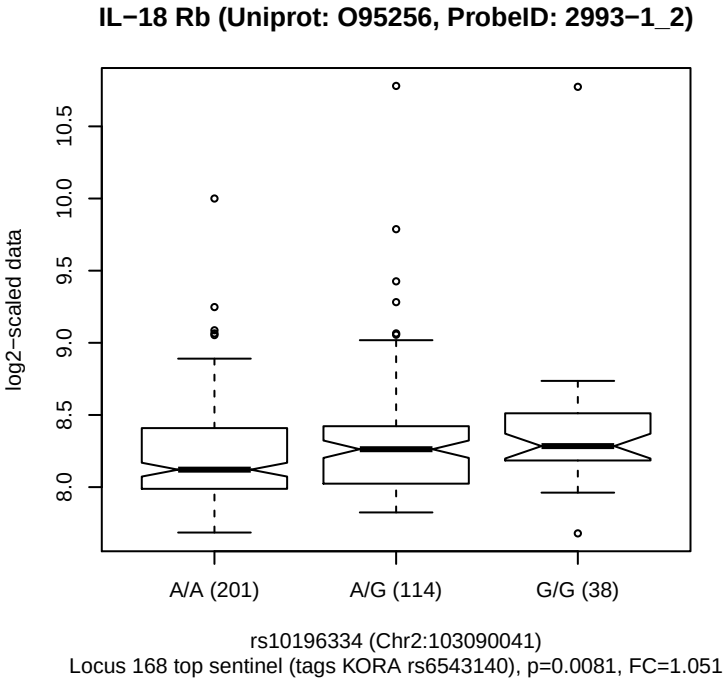

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence A

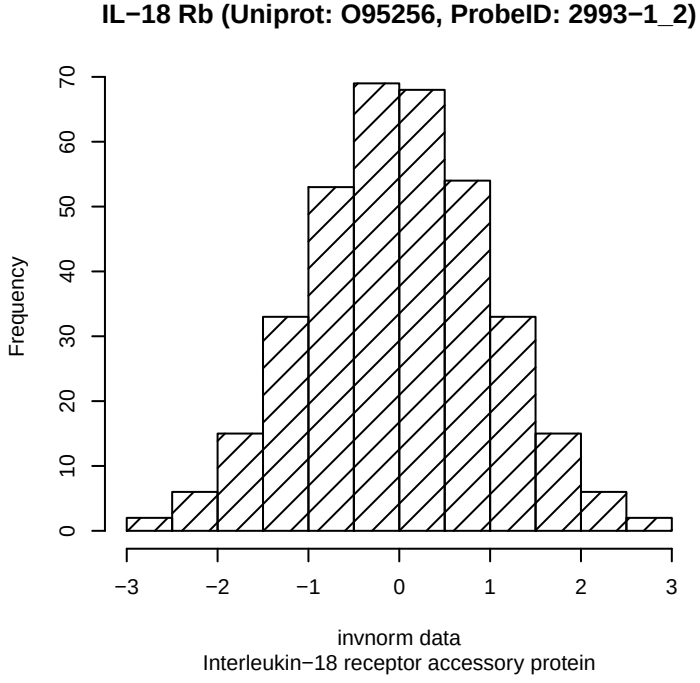

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
invnorm data
−2
−1
0
1
2
A/A (214)
A/G (111)
G/G (28)
rs10223568 (Chr6:31390203)
Locus 167 top sentinel (tags KORA rs9469012), p=2.1e−16

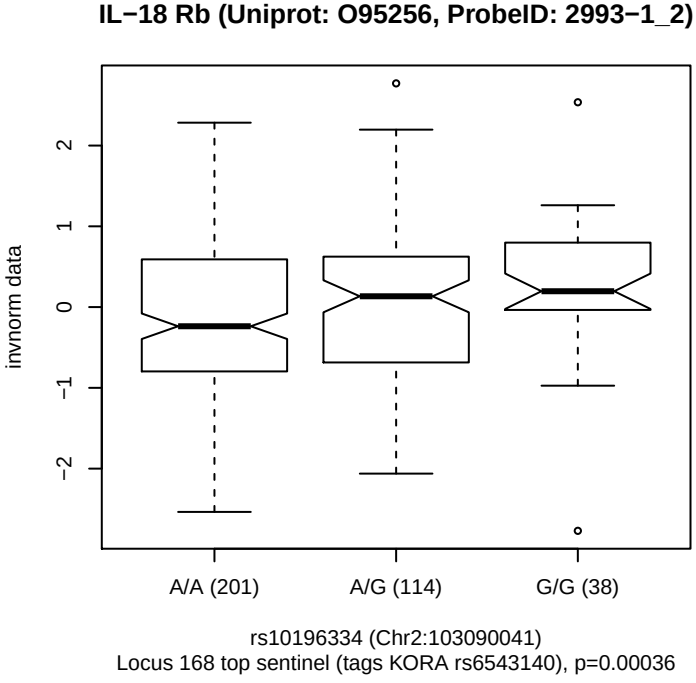

IL−18 Rb (Uniprot: O95256, ProbeID: 2993−1_2)
Frequency
0
50
100
150
200
250
300
500
1000
1500
raw data
Interleukin−18 receptor accessory protein

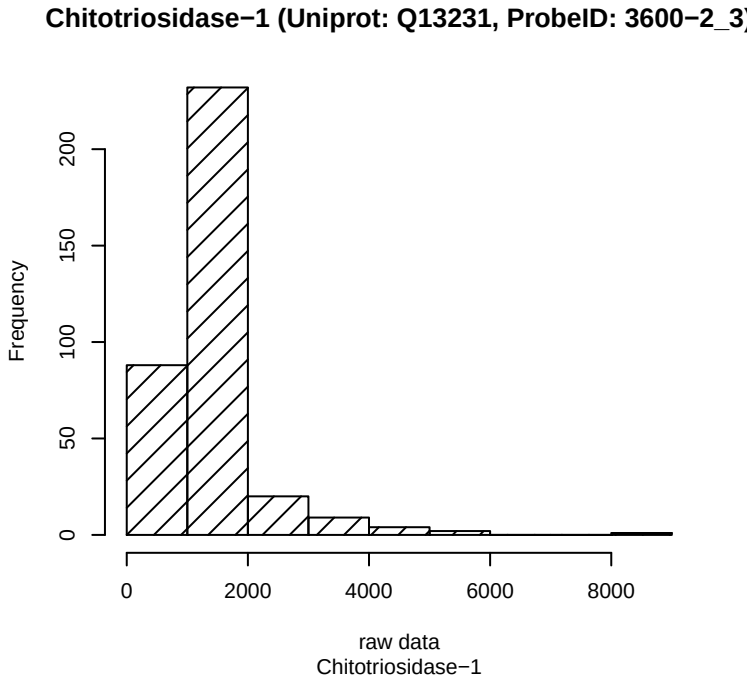

IL−18 Rb (Uniprot: O95256, ProbeID: 2993−1_2)
raw data
500
1000
1500
A/A (201)
A/G (114)
G/G (38)
rs10196334 (Chr2:103090041)
Locus 168 top sentinel (tags KORA rs6543140), p=0.076

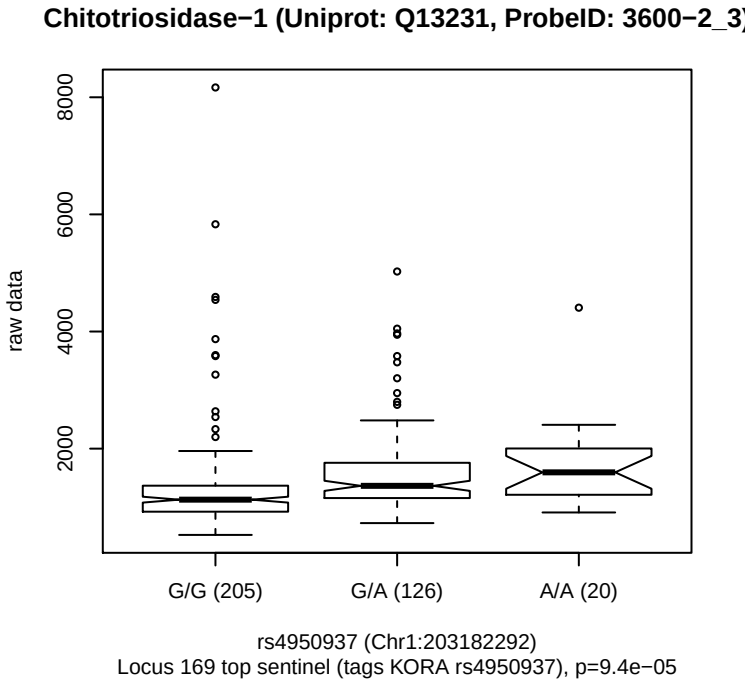

IL−18 Rb (Uniprot: O95256, ProbeID: 2993−1_2)
Frequency
0
50
100
150
200
7.5
8.0
8.5
9.0
9.5
10.0
10.5
11.0
log2−scaled data
Interleukin−18 receptor accessory protein

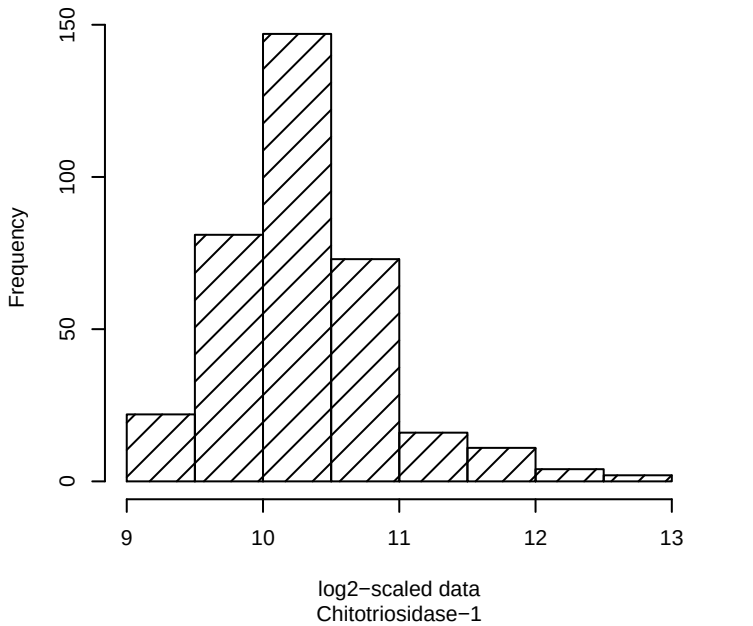

IL−18 Rb (Uniprot: O95256, ProbeID: 2993−1_2)
log2−scaled data
8.0
8.5
9.0
9.5
10.0
10.5
A/A (201)
A/G (114)
G/G (38)
rs10196334 (Chr2:103090041)
Locus 168 top sentinel (tags KORA rs6543140), p=0.0081, FC=1.051

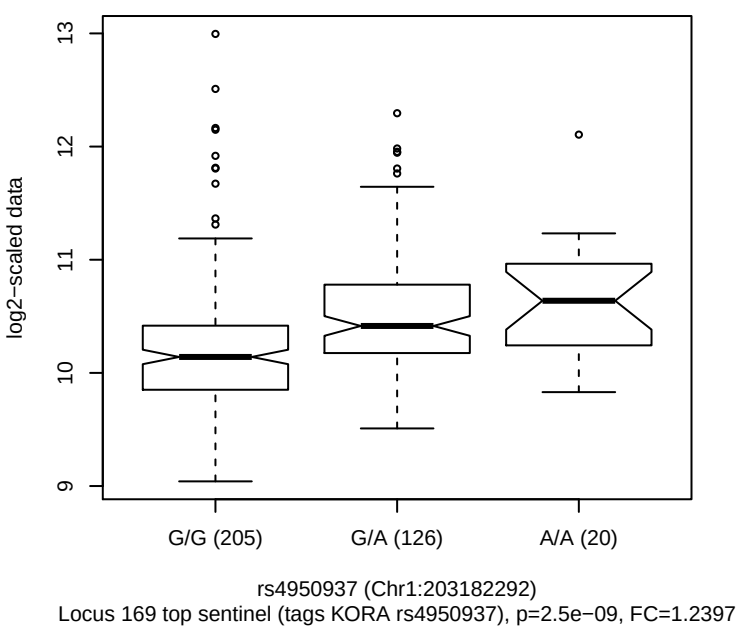

IL−18 Rb (Uniprot: O95256, ProbeID: 2993−1_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−18 receptor accessory protein

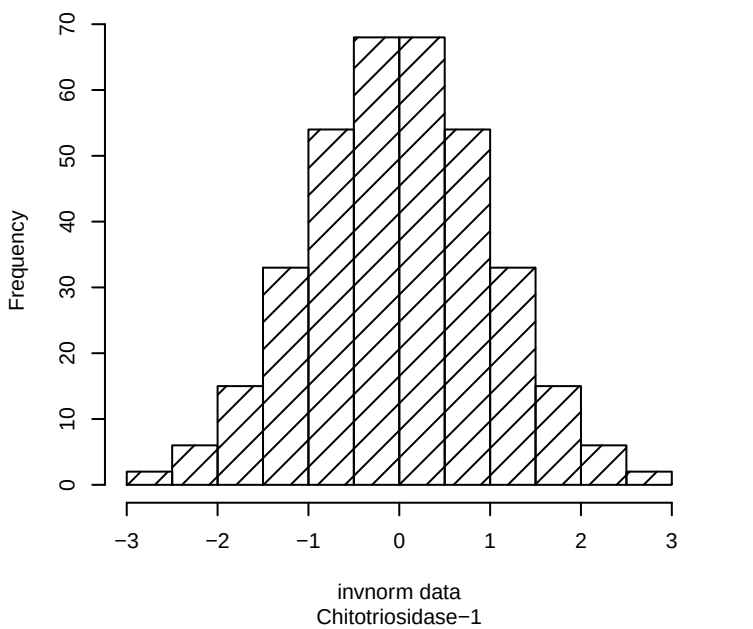

IL−18 Rb (Uniprot: O95256, ProbeID: 2993−1_2)
invnorm data
−2
−1
0
1
2
A/A (201)
A/G (114)
G/G (38)
rs10196334 (Chr2:103090041)
Locus 168 top sentinel (tags KORA rs6543140), p=0.00036

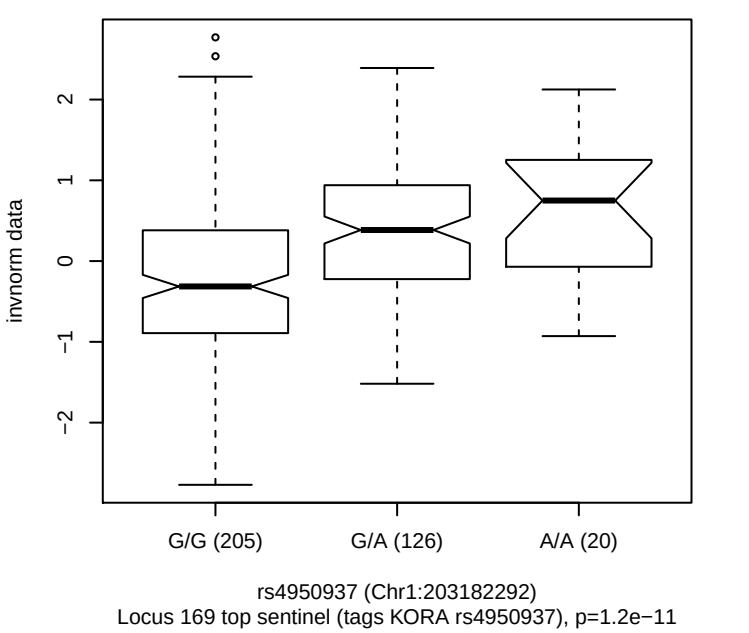

Chitotriosidase−1 (Uniprot: Q13231, ProbeID: 3600−2_3)
Frequency
0
50
100
150
200
0
2000
4000
6000
8000
raw data
Chitotriosidase−1

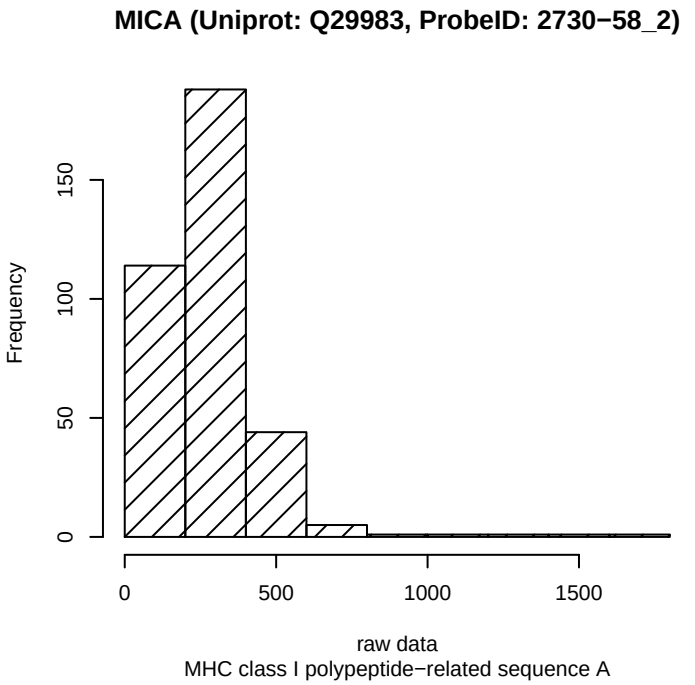

Chitotriosidase−1 (Uniprot: Q13231, ProbeID: 3600−2_3)
raw data
2000
4000
6000
8000
G/G (205)
G/A (126)
A/A (20)
rs4950937 (Chr1:203182292)
Locus 169 top sentinel (tags KORA rs4950937), p=9.4e−05

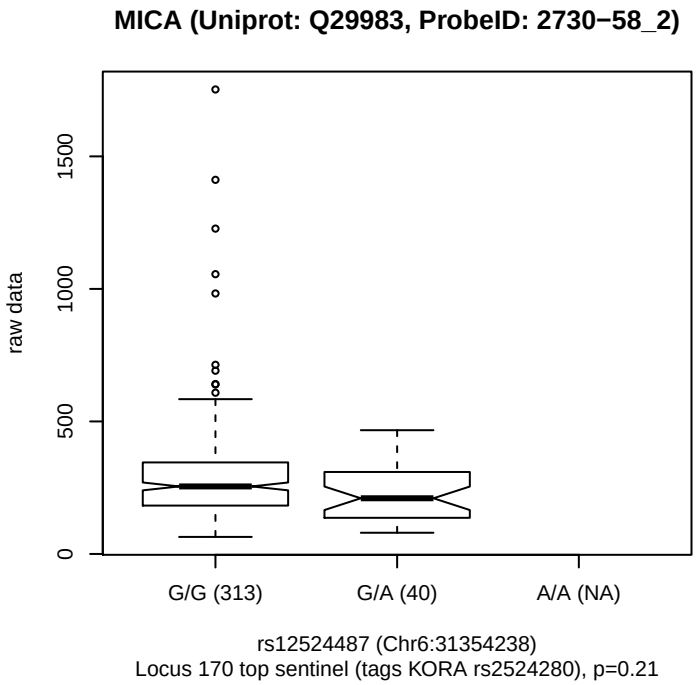

Chitotriosidase−1 (Uniprot: Q13231, ProbeID: 3600−2_3)
Frequency
0
50
100
150
9
10
11
12
13
log2−scaled data
Chitotriosidase−1

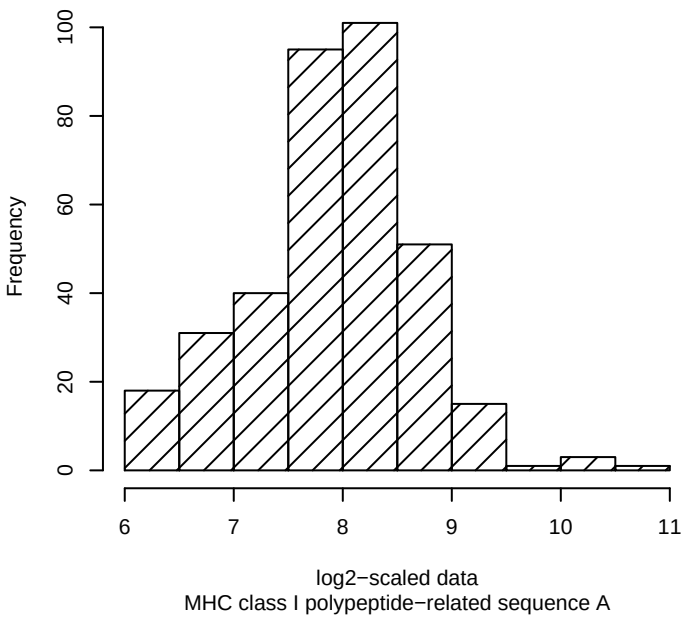

Chitotriosidase−1 (Uniprot: Q13231, ProbeID: 3600−2_3)
log2−scaled data
9
10
11
12
13
G/G (205)
G/A (126)
A/A (20)
rs4950937 (Chr1:203182292)
Locus 169 top sentinel (tags KORA rs4950937), p=2.5e−09, FC=1.2397

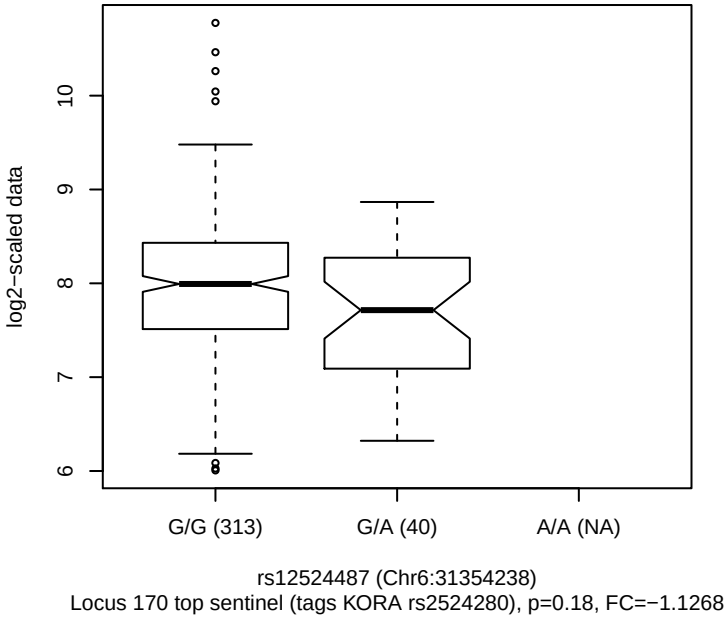

Chitotriosidase−1 (Uniprot: Q13231, ProbeID: 3600−2_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Chitotriosidase−1

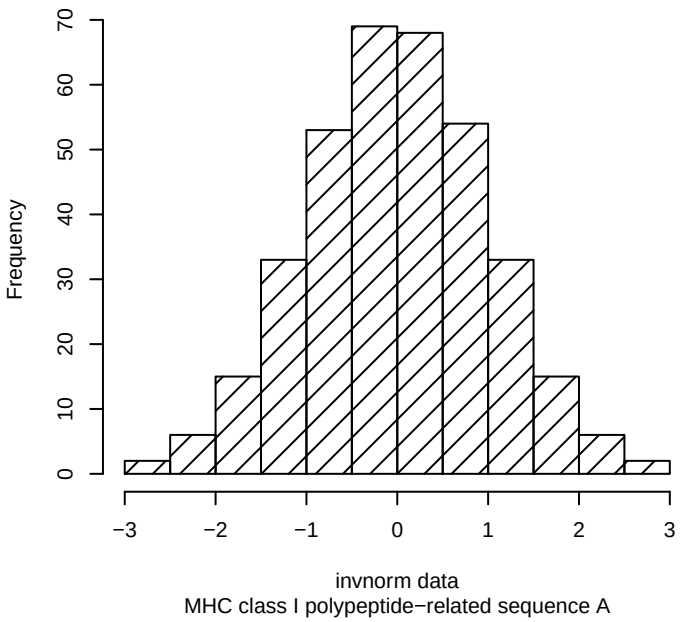

Chitotriosidase−1 (Uniprot: Q13231, ProbeID: 3600−2_3)
invnorm data
−2
−1
0
1
2
G/G (205)
G/A (126)
A/A (20)
rs4950937 (Chr1:203182292)
Locus 169 top sentinel (tags KORA rs4950937), p=1.2e−11

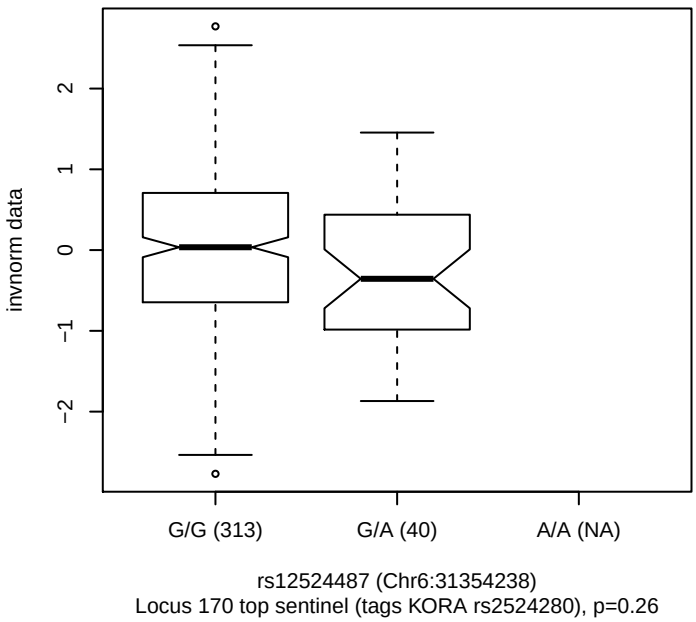

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
0
500
1000
1500
raw data
MHC class I polypeptide−related sequence A

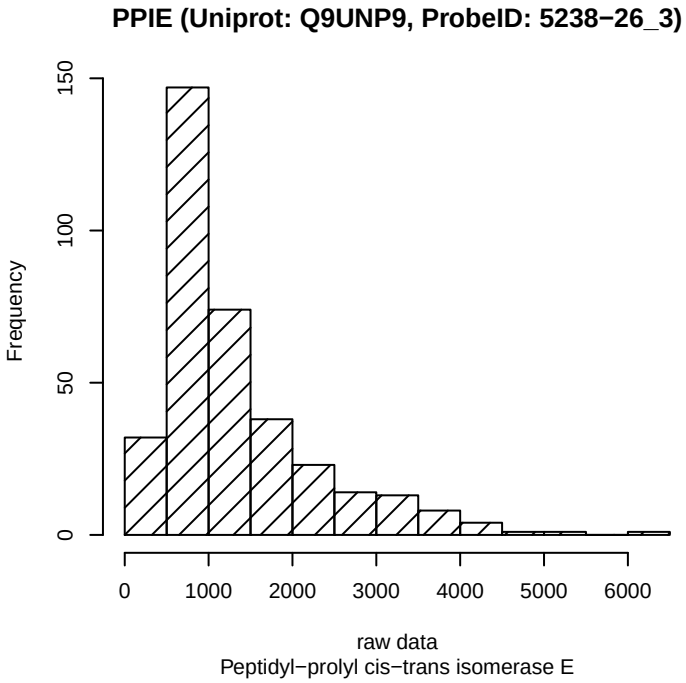

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
raw data
0
500
1000
1500
G/G (313)
G/A (40)
A/A (NA)
rs12524487 (Chr6:31354238)
Locus 170 top sentinel (tags KORA rs2524280), p=0.21

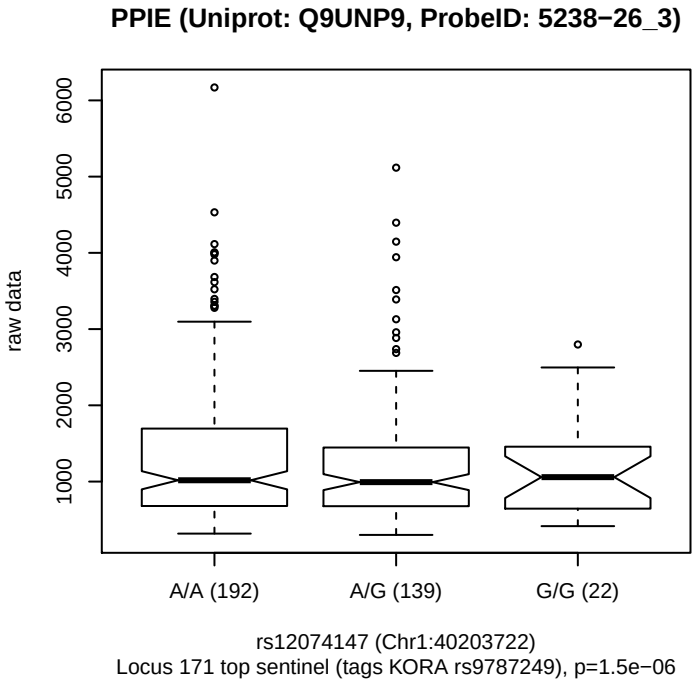

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
20
40
60
80
100
6
7
8
9
10
11
log2−scaled data
MHC class I polypeptide−related sequence A

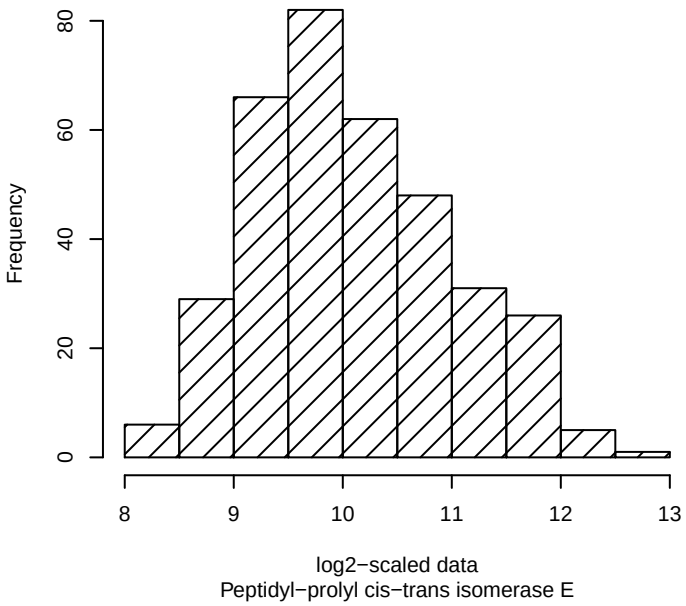

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
log2−scaled data
6
7
8
9
10
G/G (313)
G/A (40)
A/A (NA)
rs12524487 (Chr6:31354238)
Locus 170 top sentinel (tags KORA rs2524280), p=0.18, FC=−1.1268

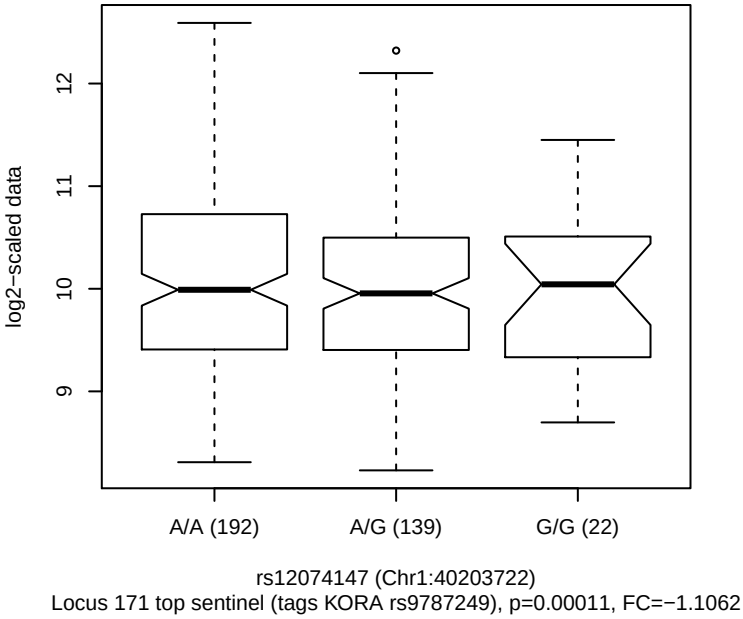

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence A

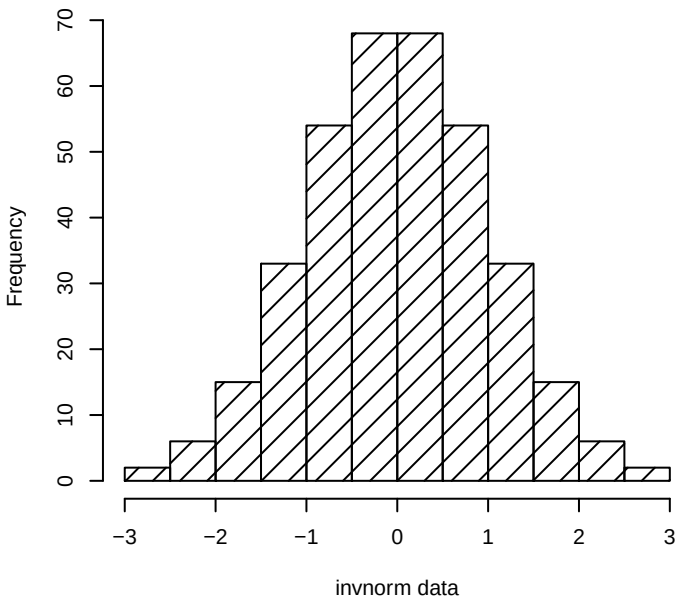

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
invnorm data
−2
−1
0
1
2
G/G (313)
G/A (40)
A/A (NA)
rs12524487 (Chr6:31354238)
Locus 170 top sentinel (tags KORA rs2524280), p=0.26

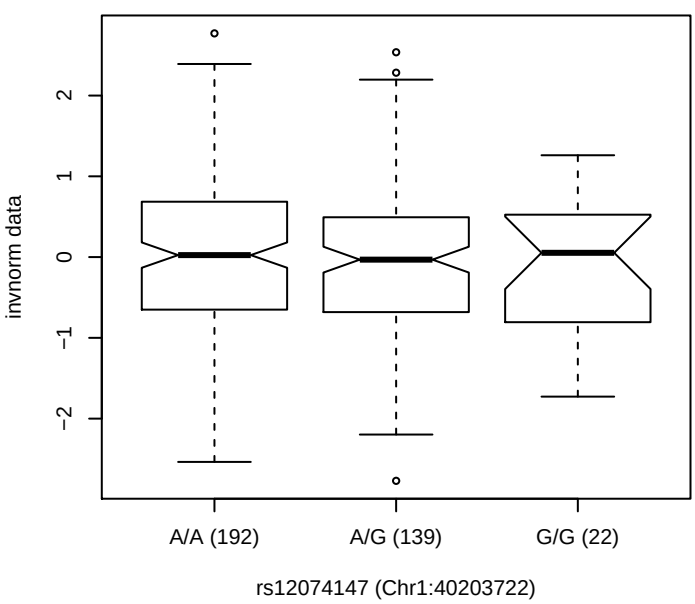

PPIE (Uniprot: Q9UNP9, ProbeID: 5238−26_3)
Frequency
0
50
100
150
0
1000
2000
3000
4000
5000
6000
raw data
Peptidyl−prolyl cis−trans isomerase E

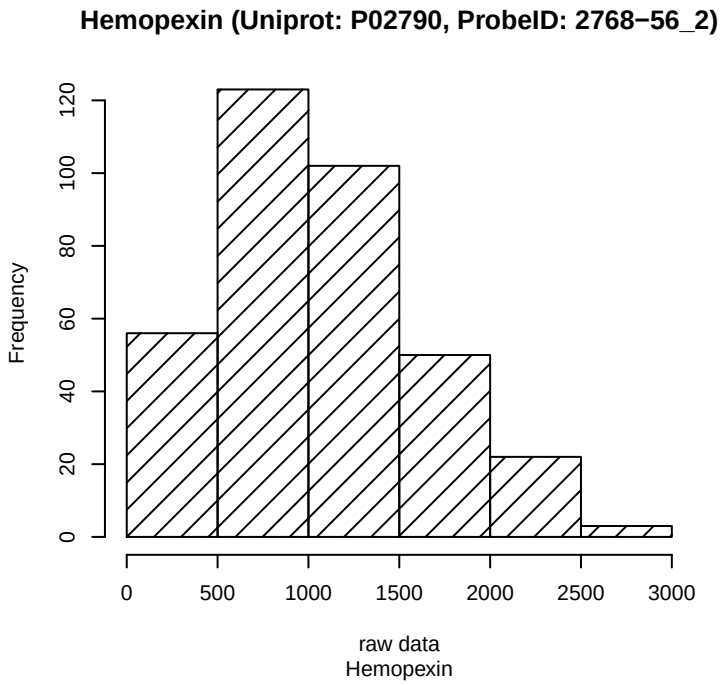

PPIE (Uniprot: Q9UNP9, ProbeID: 5238−26_3)
raw data
1000
2000
3000
4000
5000
6000
A/A (192)
A/G (139)
G/G (22)
rs12074147 (Chr1:40203722)
Locus 171 top sentinel (tags KORA rs9787249), p=1.5e−06

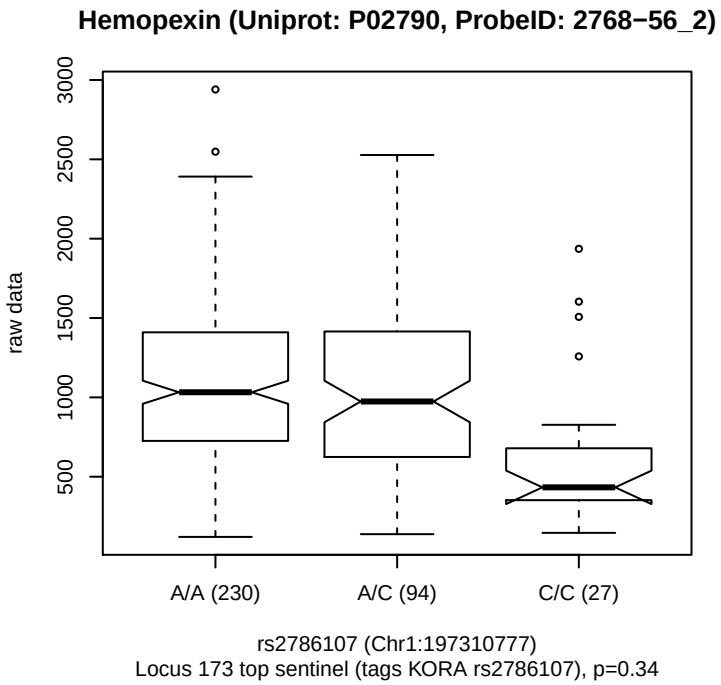

PPIE (Uniprot: Q9UNP9, ProbeID: 5238−26_3)
Frequency
0
20
40
60
80
8
9
10
11
12
13
log2−scaled data
Peptidyl−prolyl cis−trans isomerase E

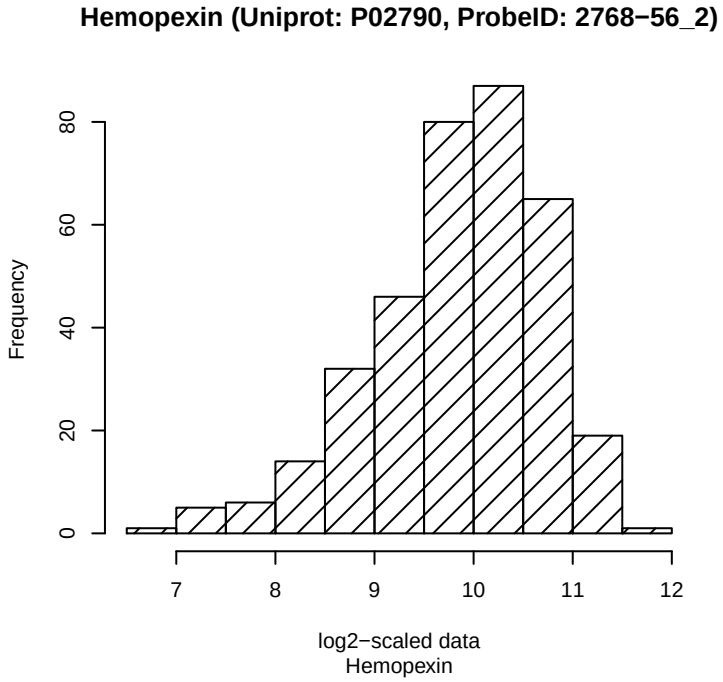

PPIE (Uniprot: Q9UNP9, ProbeID: 5238−26_3)
log2−scaled data
9
10
11
12
A/A (192)
A/G (139)
G/G (22)
rs12074147 (Chr1:40203722)
Locus 171 top sentinel (tags KORA rs9787249), p=0.00011, FC=−1.1062

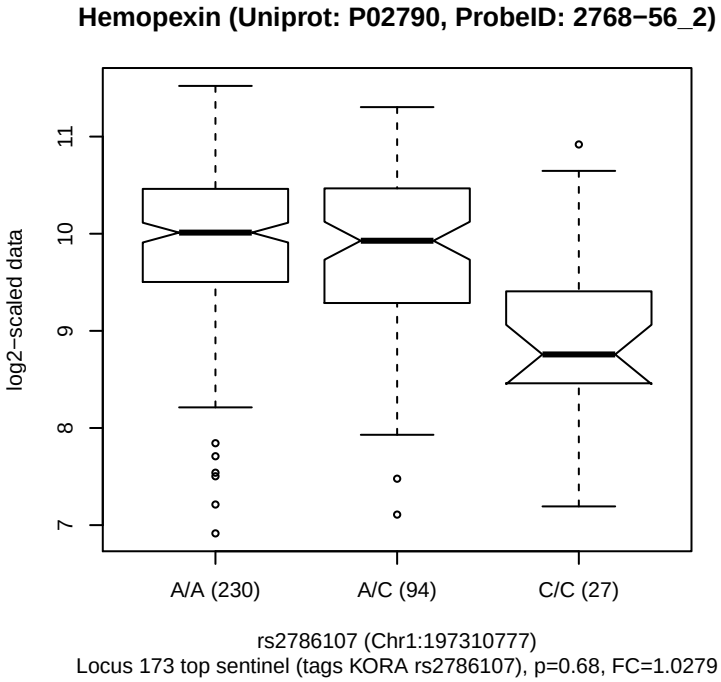

PPIE (Uniprot: Q9UNP9, ProbeID: 5238−26_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Peptidyl−prolyl cis−trans isomerase E

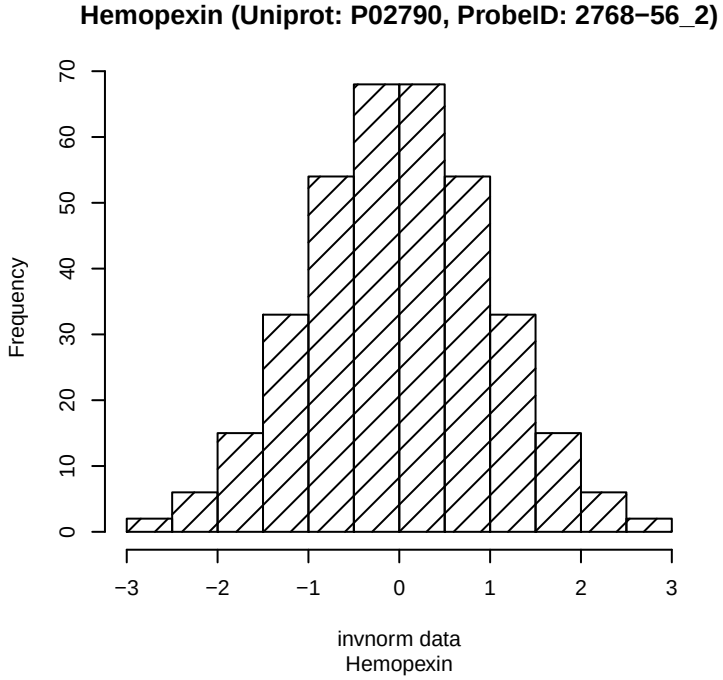

PPIE (Uniprot: Q9UNP9, ProbeID: 5238−26_3)
invnorm data
−2
−1
0
1
2
A/A (192)
A/G (139)
G/G (22)
rs12074147 (Chr1:40203722)
Locus 171 top sentinel (tags KORA rs9787249), p=0.00079

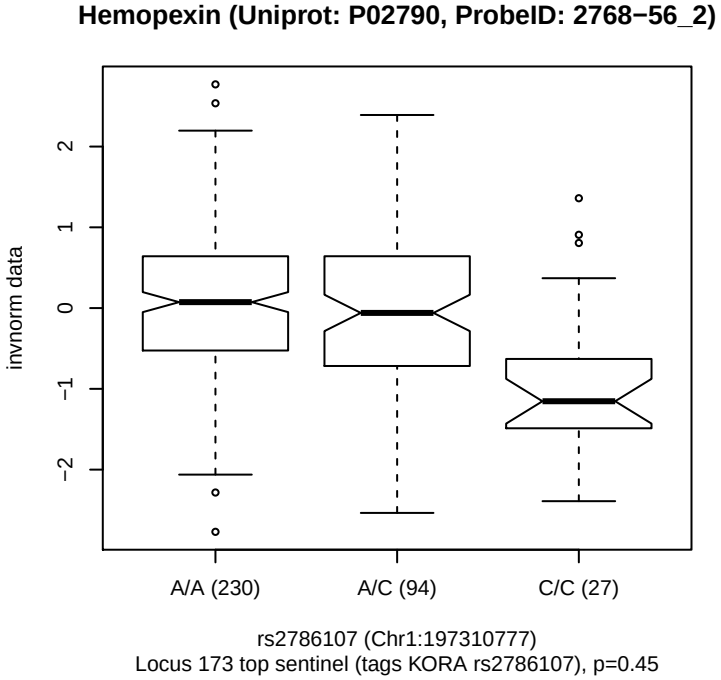

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
Frequency
0
20
40
60
80
100
120
0
500
1000
1500
2000
2500
3000
raw data
Hemopexin

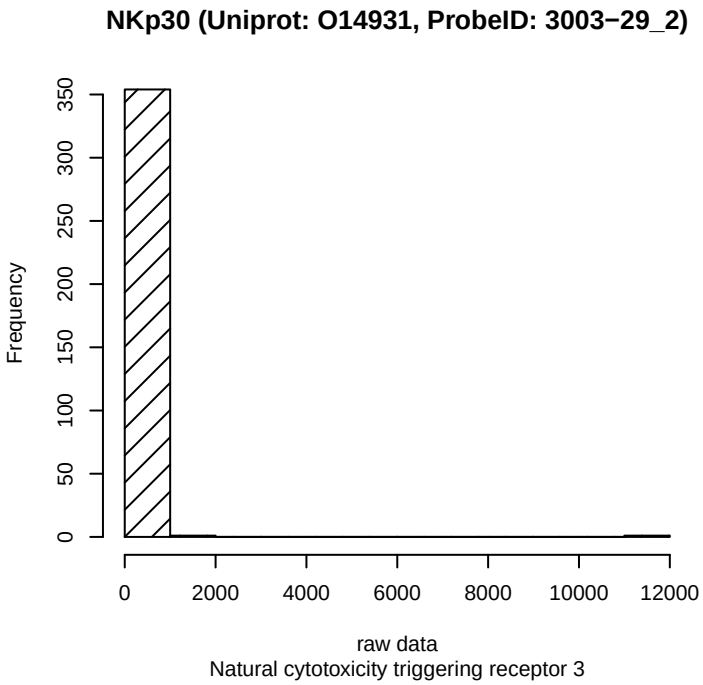

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
raw data
500
1000
1500
2000
2500
3000
A/A (230)
A/C (94)
C/C (27)
rs2786107 (Chr1:197310777)
Locus 173 top sentinel (tags KORA rs2786107), p=0.34

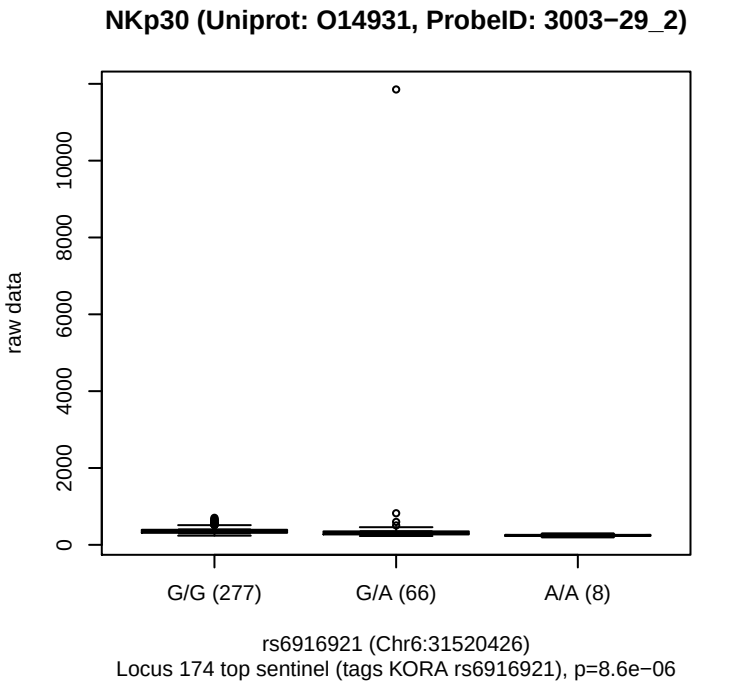

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
Frequency
0
20
40
60
80
7
8
9
10
11
12
log2−scaled data
Hemopexin

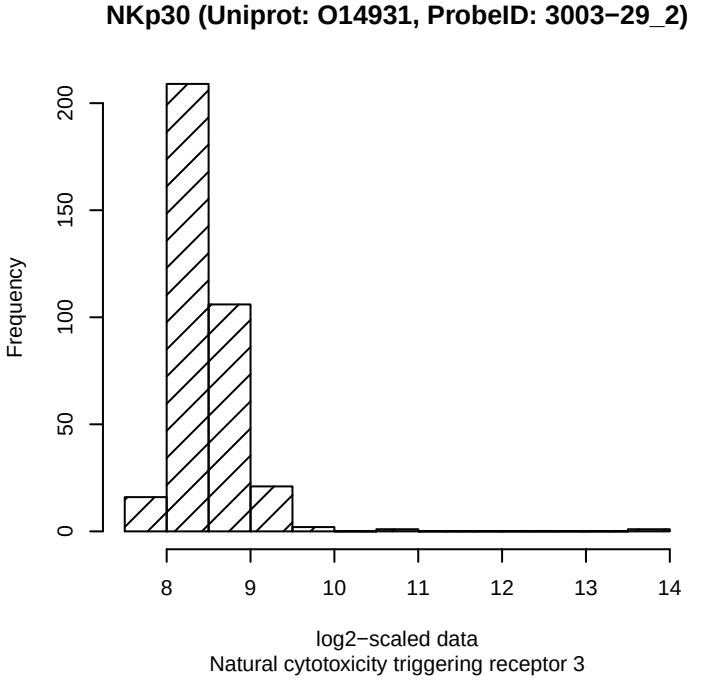

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
log2−scaled data
7
8
9
10
11
A/A (230)
A/C (94)
C/C (27)
rs2786107 (Chr1:197310777)
Locus 173 top sentinel (tags KORA rs2786107), p=0.68, FC=1.0279

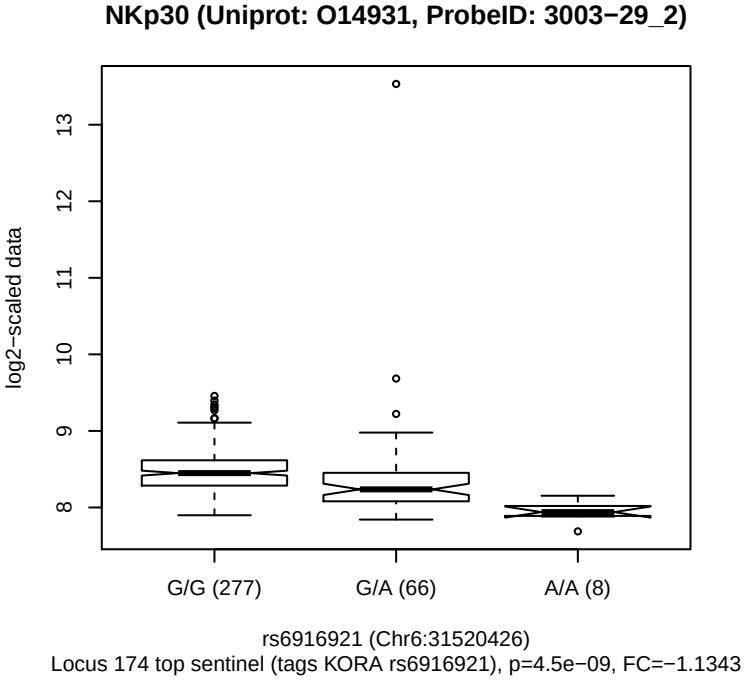

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Hemopexin

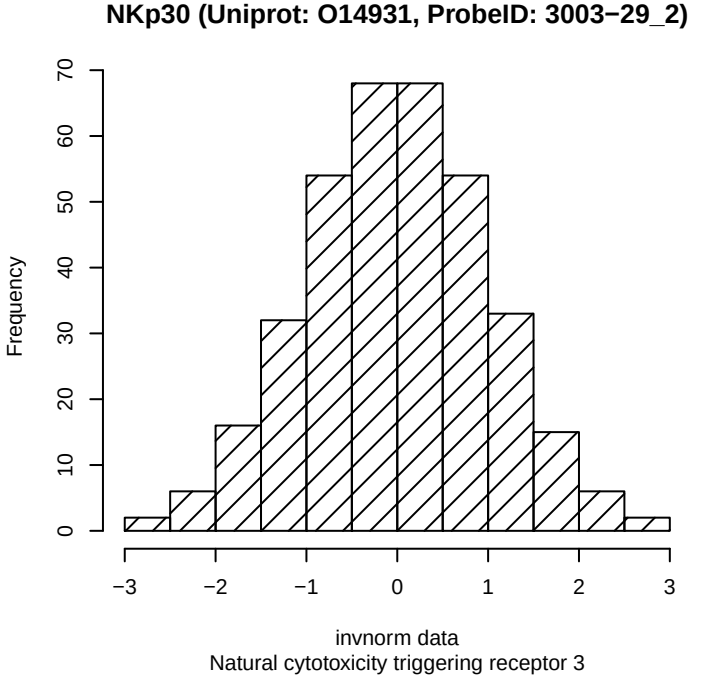

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
invnorm data
−2
−1
0
1
2
A/A (230)
A/C (94)
C/C (27)
rs2786107 (Chr1:197310777)
Locus 173 top sentinel (tags KORA rs2786107), p=0.45

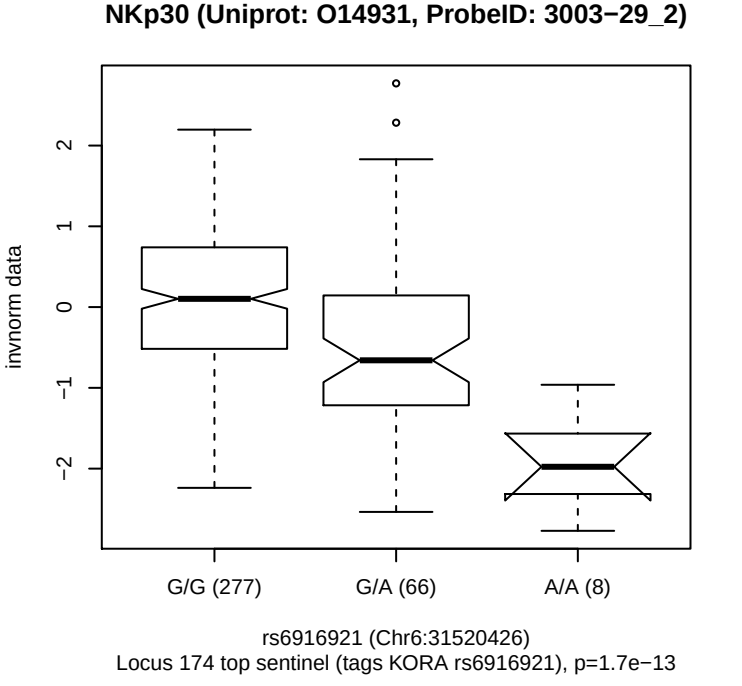

NKp30 (Uniprot: O14931, ProbeID: 3003−29_2)
Frequency
0
50
100
150
200
250
300
350
0
2000
4000
6000
8000
10000
12000
raw data
Natural cytotoxicity triggering receptor 3

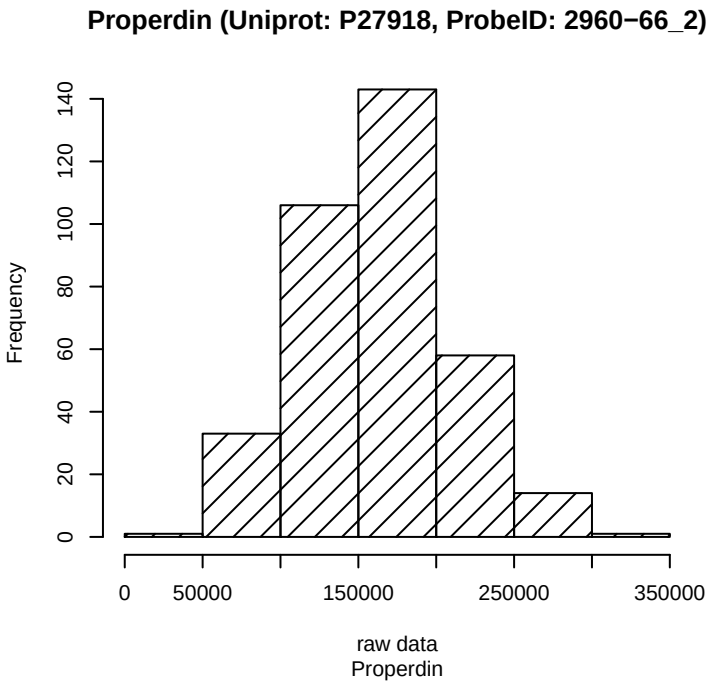

NKp30 (Uniprot: O14931, ProbeID: 3003−29_2)
raw data
0
2000
4000
6000
8000
10000
G/G (277)
G/A (66)
A/A (8)
rs6916921 (Chr6:31520426)
Locus 174 top sentinel (tags KORA rs6916921), p=8.6e−06

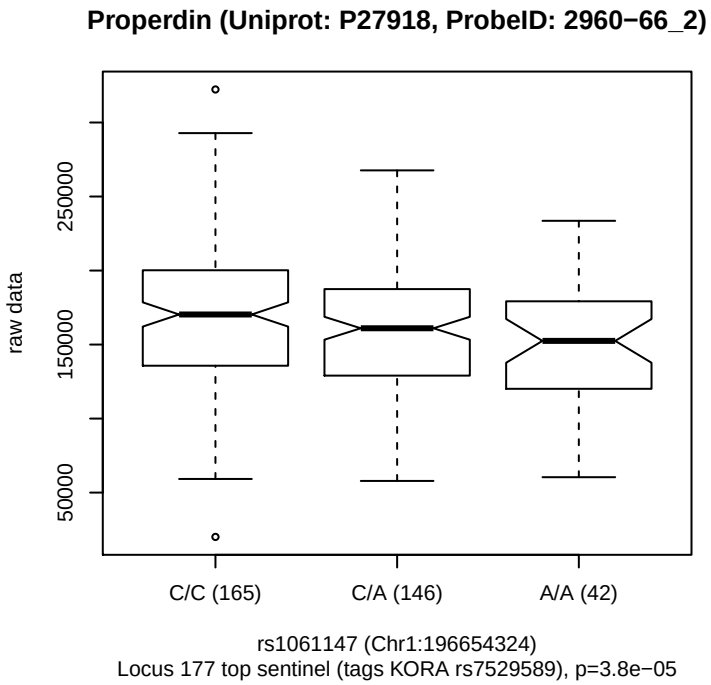

NKp30 (Uniprot: O14931, ProbeID: 3003−29_2)
Frequency
0
50
100
150
200
8
9
10
11
12
13
14
log2−scaled data
Natural cytotoxicity triggering receptor 3

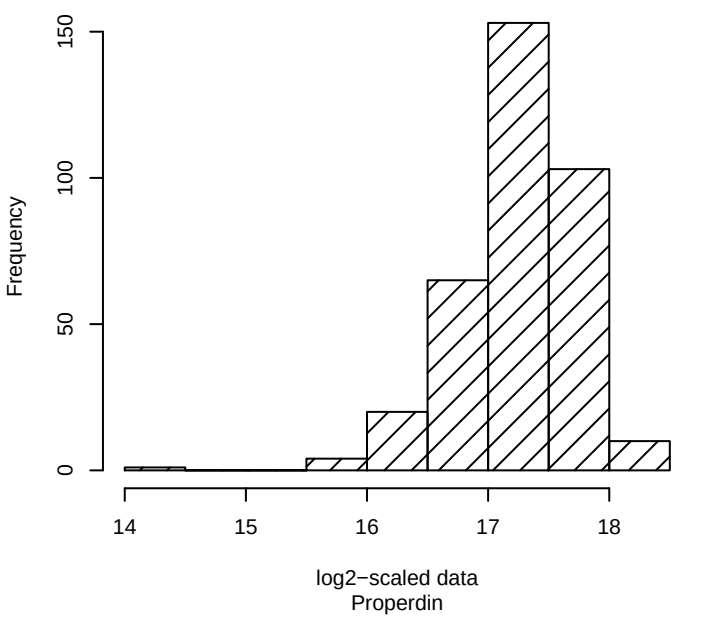

NKp30 (Uniprot: O14931, ProbeID: 3003−29_2)
log2−scaled data
8
9
10
11
12
13
G/G (277)
G/A (66)
A/A (8)
rs6916921 (Chr6:31520426)
Locus 174 top sentinel (tags KORA rs6916921), p=4.5e−09, FC=−1.1343

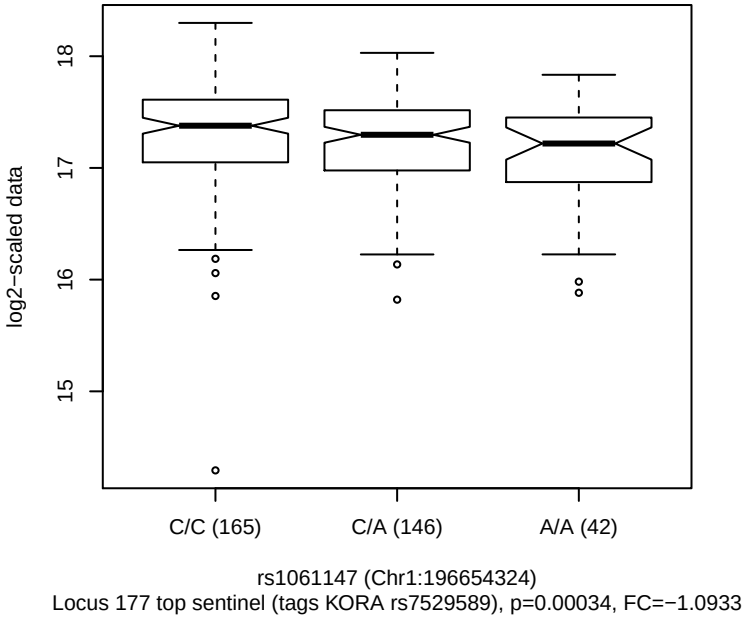

NKp30 (Uniprot: O14931, ProbeID: 3003−29_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Natural cytotoxicity triggering receptor 3

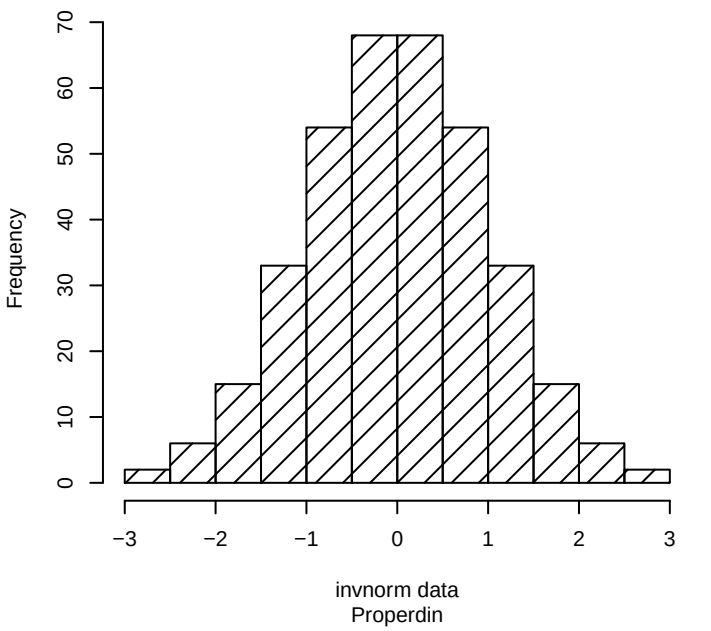

NKp30 (Uniprot: O14931, ProbeID: 3003−29_2)
invnorm data
−2
−1
0
1
2
G/G (277)
G/A (66)
A/A (8)
rs6916921 (Chr6:31520426)
Locus 174 top sentinel (tags KORA rs6916921), p=1.7e−13

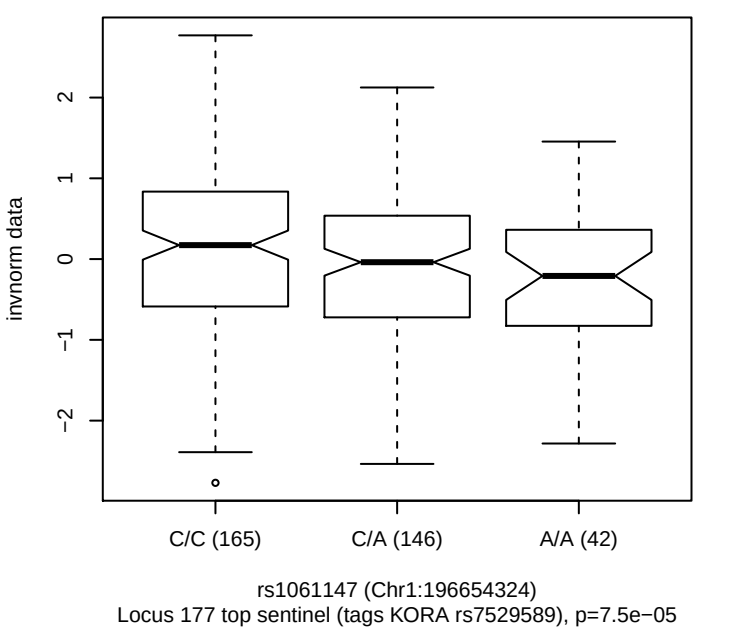

Properdin (Uniprot: P27918, ProbeID: 2960−66_2)
Frequency
0
20
40
60
80
100
120
140
0
50000
150000
250000
350000
raw data
Properdin

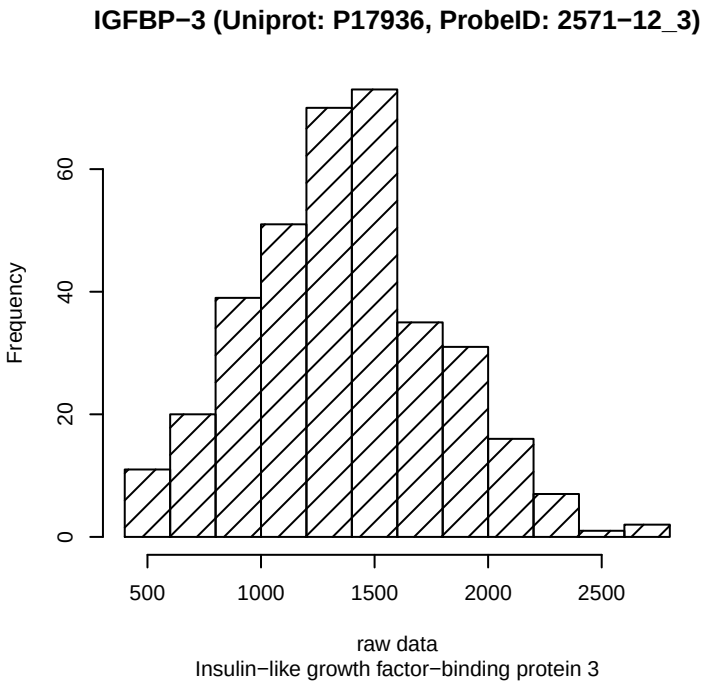

Properdin (Uniprot: P27918, ProbeID: 2960−66_2)
raw data
50000
150000
250000
C/C (165)
C/A (146)
A/A (42)
rs1061147 (Chr1:196654324)
Locus 177 top sentinel (tags KORA rs7529589), p=3.8e−05

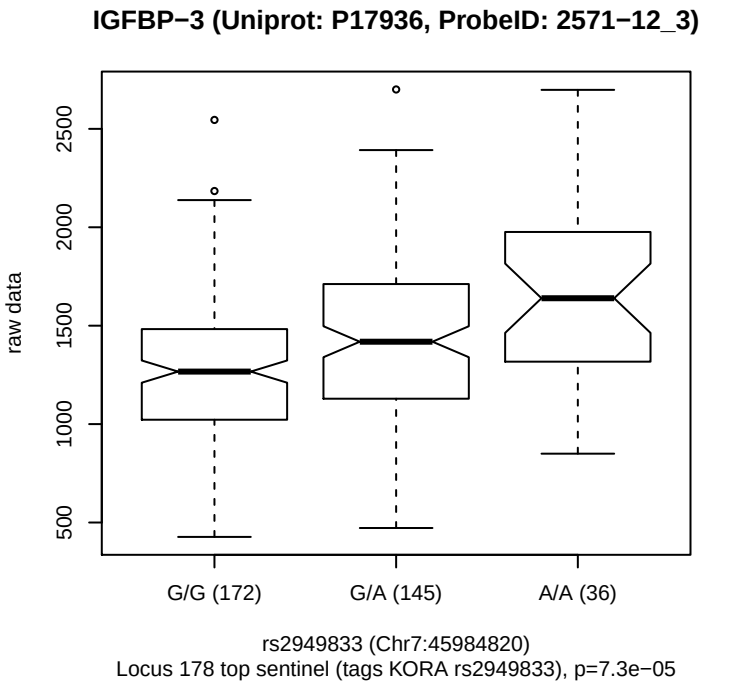

Properdin (Uniprot: P27918, ProbeID: 2960−66_2)
Frequency
0
50
100
150
14
15
16
17
18
log2−scaled data
Properdin

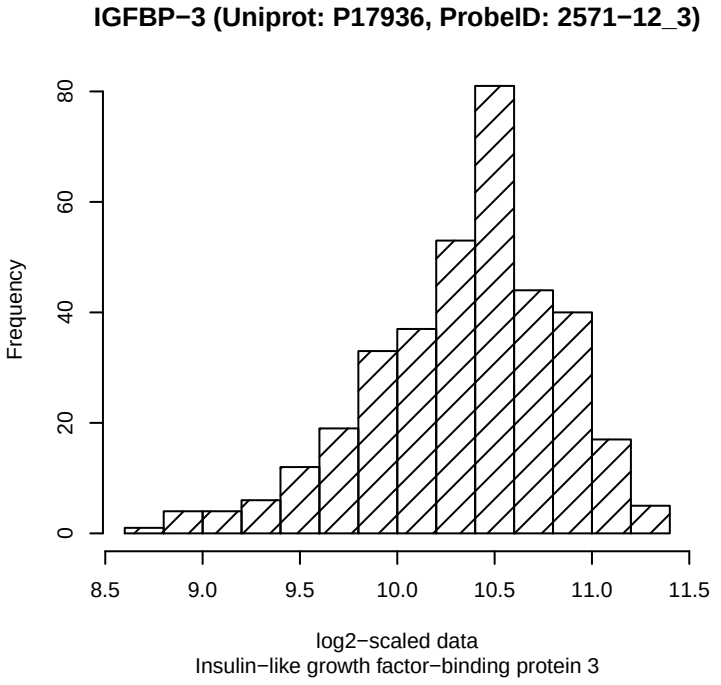

Properdin (Uniprot: P27918, ProbeID: 2960−66_2)
log2−scaled data
15
16
17
18
C/C (165)
C/A (146)
A/A (42)
rs1061147 (Chr1:196654324)
Locus 177 top sentinel (tags KORA rs7529589), p=0.00034, FC=−1.0933

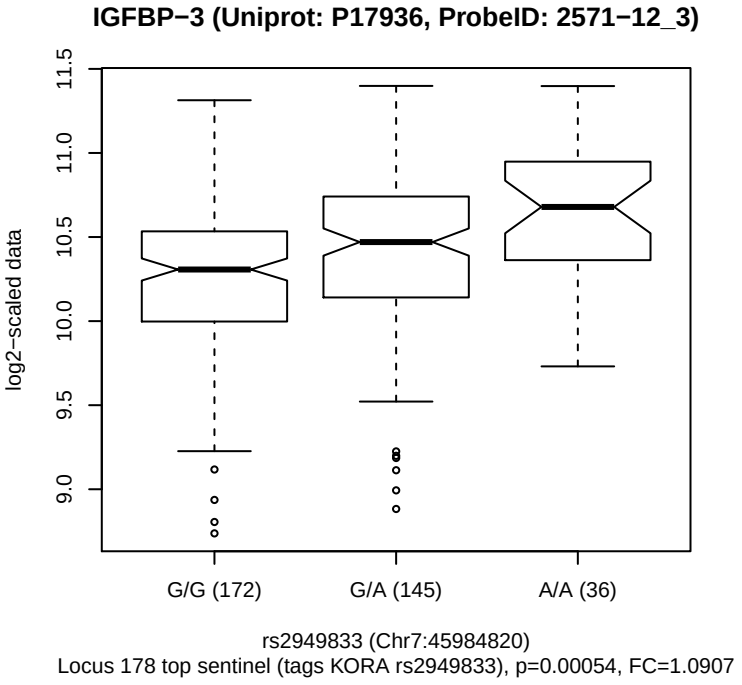

Properdin (Uniprot: P27918, ProbeID: 2960−66_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Properdin

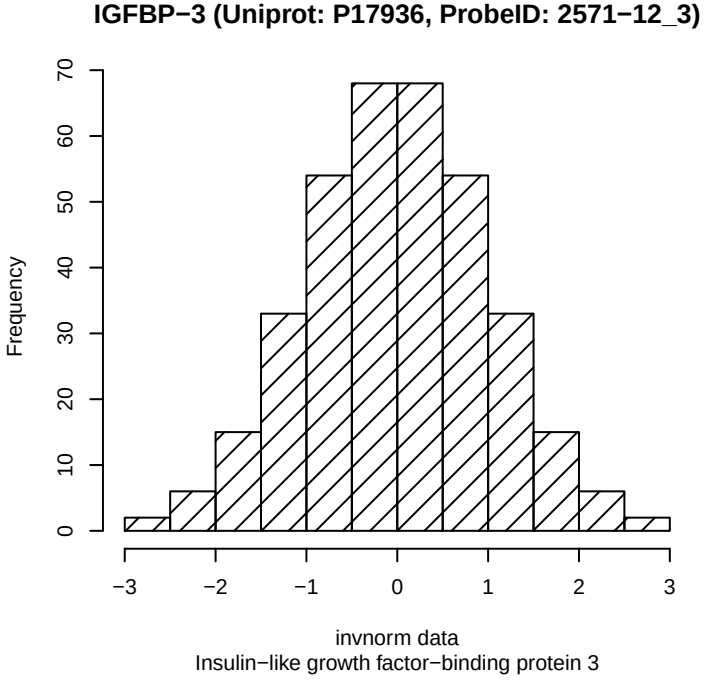

Properdin (Uniprot: P27918, ProbeID: 2960−66_2)
invnorm data
−2
−1
0
1
2
C/C (165)
C/A (146)
A/A (42)
rs1061147 (Chr1:196654324)
Locus 177 top sentinel (tags KORA rs7529589), p=7.5e−05

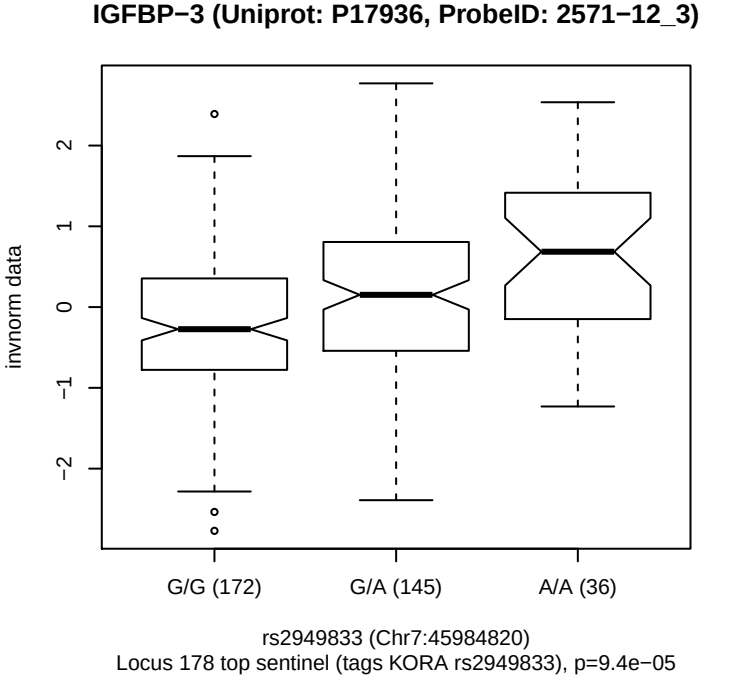

IGFBP−3 (Uniprot: P17936, ProbeID: 2571−12_3)
Frequency
0
20
40
60
500
1000
1500
2000
2500
raw data
Insulin−like growth factor−binding protein 3

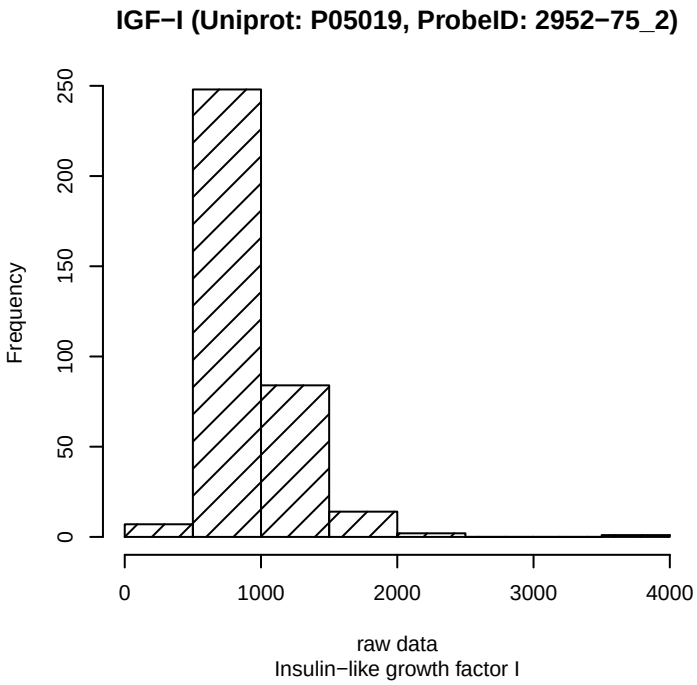

IGFBP−3 (Uniprot: P17936, ProbeID: 2571−12_3)
raw data
500
1000
1500
2000
2500
G/G (172)
G/A (145)
A/A (36)
rs2949833 (Chr7:45984820)
Locus 178 top sentinel (tags KORA rs2949833), p=7.3e−05

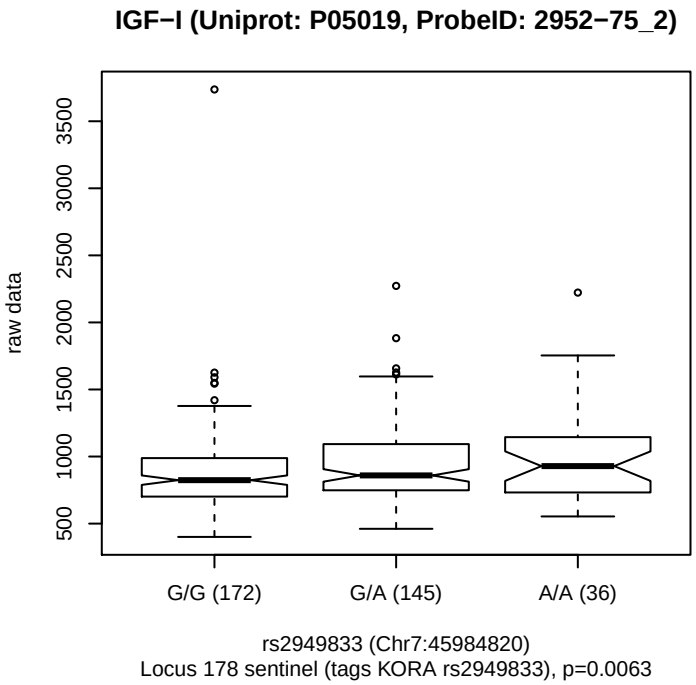

IGFBP−3 (Uniprot: P17936, ProbeID: 2571−12_3)
Frequency
0
20
40
60
80
8.5
9.0
9.5
10.0
10.5
11.0
11.5
log2−scaled data
Insulin−like growth factor−binding protein 3

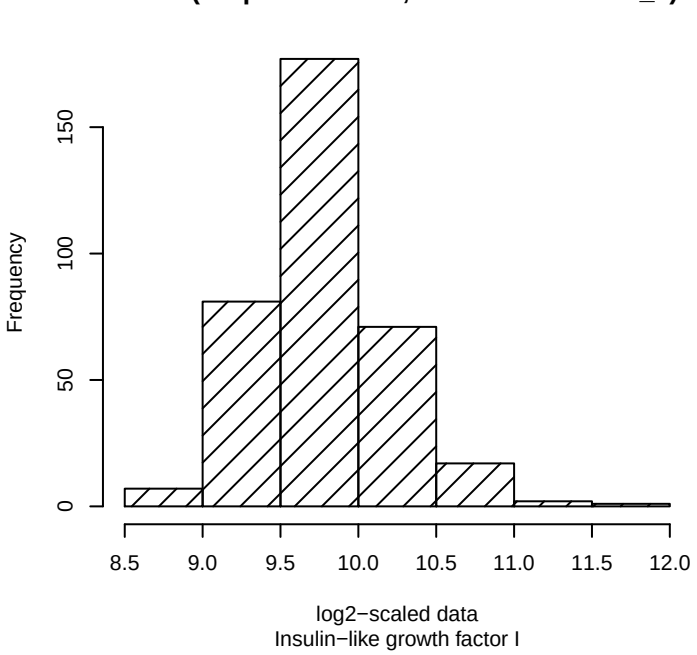

IGFBP−3 (Uniprot: P17936, ProbeID: 2571−12_3)
log2−scaled data
9.0
9.5
10.0
10.5
11.0
11.5
G/G (172)
G/A (145)
A/A (36)
rs2949833 (Chr7:45984820)
Locus 178 top sentinel (tags KORA rs2949833), p=0.00054, FC=1.0907

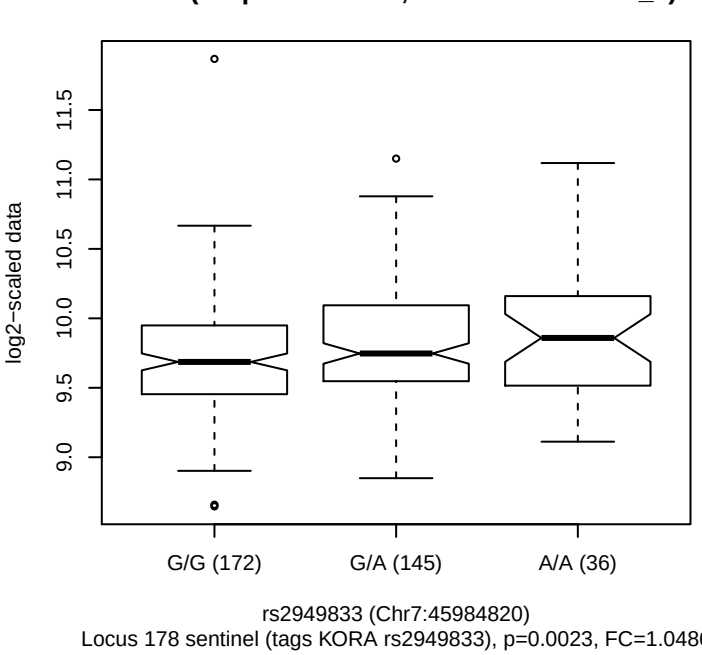

IGFBP−3 (Uniprot: P17936, ProbeID: 2571−12_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Insulin−like growth factor−binding protein 3

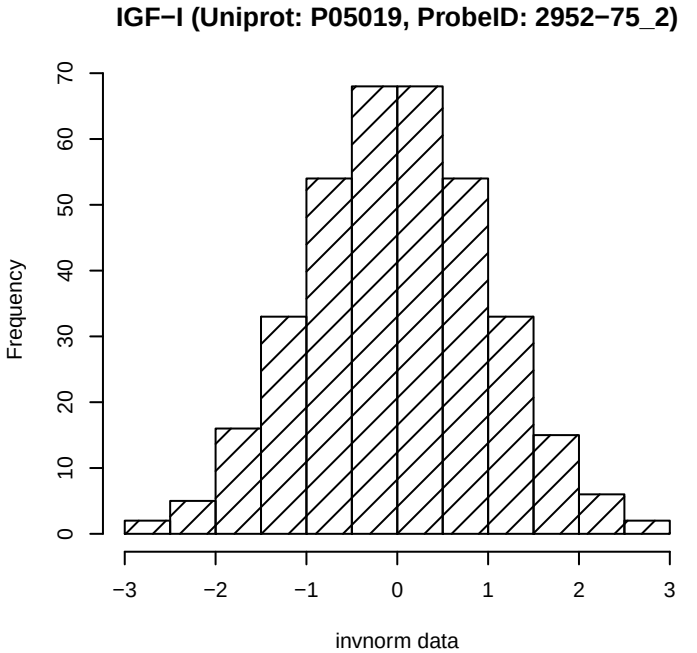

IGFBP−3 (Uniprot: P17936, ProbeID: 2571−12_3)
invnorm data
−2
−1
0
1
2
G/G (172)
G/A (145)
A/A (36)
rs2949833 (Chr7:45984820)
Locus 178 top sentinel (tags KORA rs2949833), p=9.4e−05

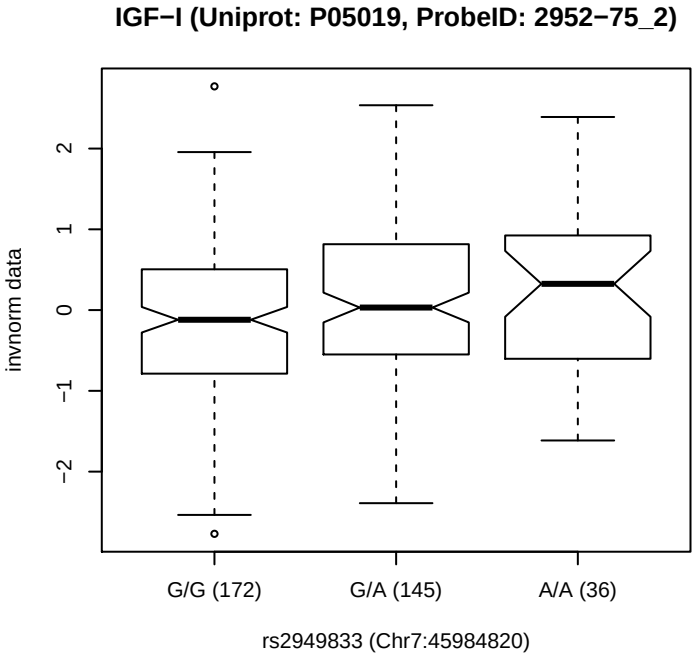

IGF−I (Uniprot: P05019, ProbeID: 2952−75_2)
Frequency
0
50
100
150
200
250
0
1000
2000
3000
4000
raw data
Insulin−like growth factor I

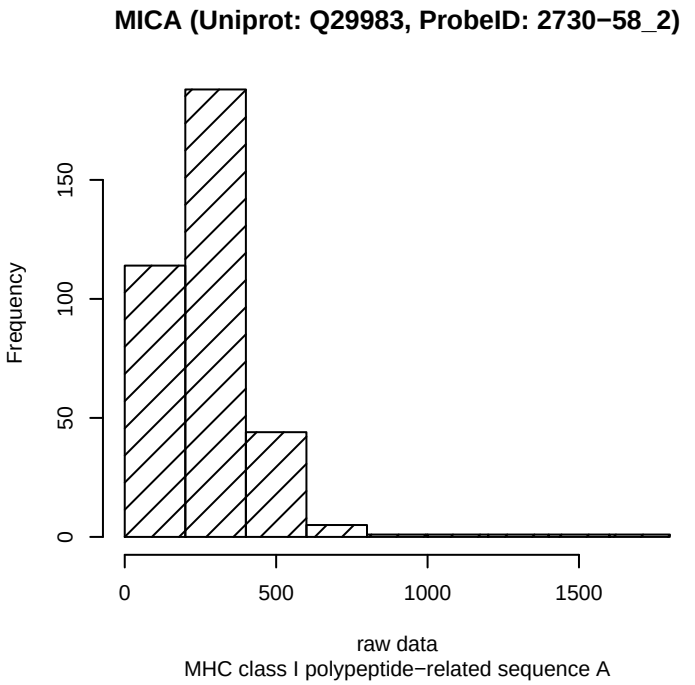

IGF−I (Uniprot: P05019, ProbeID: 2952−75_2)
raw data
500
1000
1500
2000
2500
3000
3500
G/G (172)
G/A (145)
A/A (36)
rs2949833 (Chr7:45984820)
Locus 178 sentinel (tags KORA rs2949833), p=0.0063

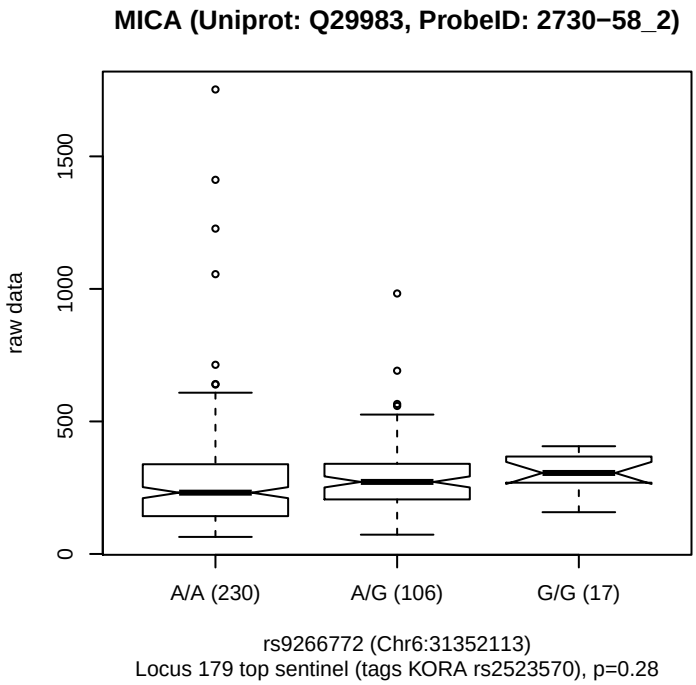

IGF−I (Uniprot: P05019, ProbeID: 2952−75_2)
Frequency
0
50
100
150
8.5
9.0
9.5
10.0
10.5
11.0
11.5
12.0
log2−scaled data
Insulin−like growth factor I

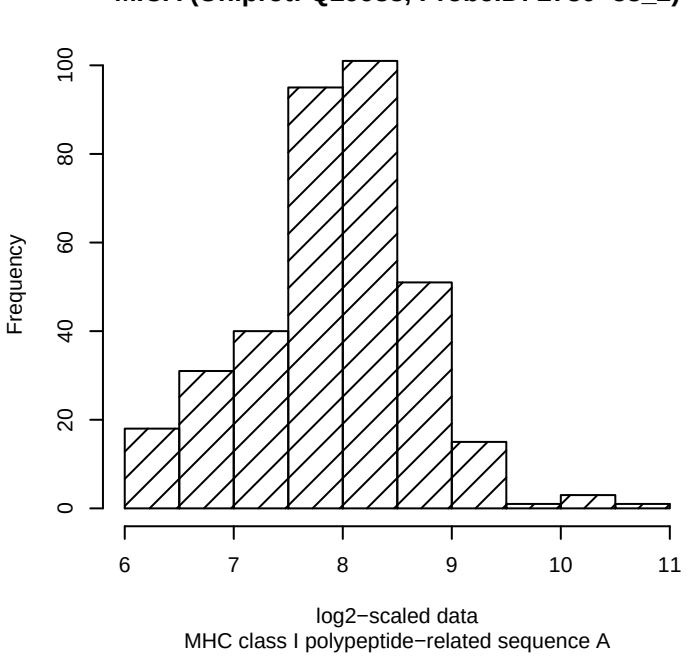

IGF−I (Uniprot: P05019, ProbeID: 2952−75_2)
log2−scaled data
9.0
9.5
10.0
10.5
11.0
11.5
G/G (172)
G/A (145)
A/A (36)
rs2949833 (Chr7:45984820)
Locus 178 sentinel (tags KORA rs2949833), p=0.0023, FC=1.0486

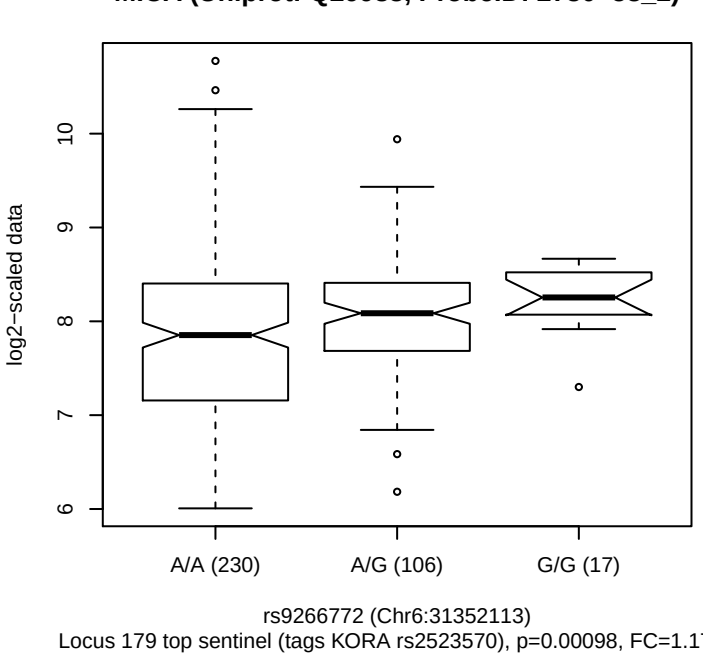

IGF−I (Uniprot: P05019, ProbeID: 2952−75_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Insulin−like growth factor I

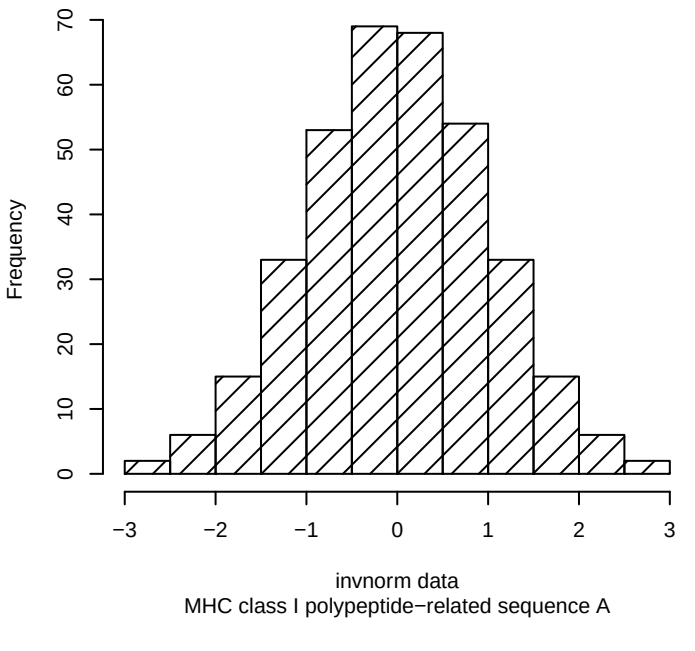

IGF−I (Uniprot: P05019, ProbeID: 2952−75_2)
invnorm data
−2
−1
0
1
2
G/G (172)
G/A (145)
A/A (36)
rs2949833 (Chr7:45984820)
Locus 178 sentinel (tags KORA rs2949833), p=0.005

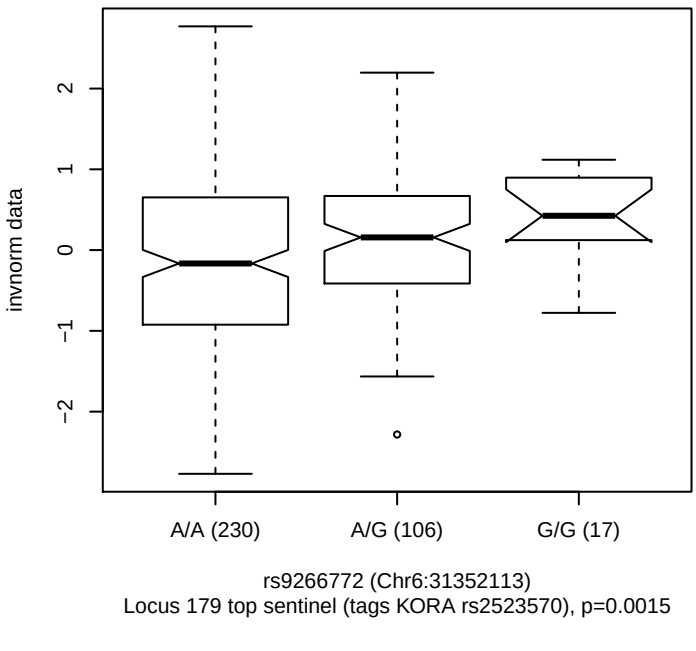

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
0
500
1000
1500
raw data
MHC class I polypeptide−related sequence A

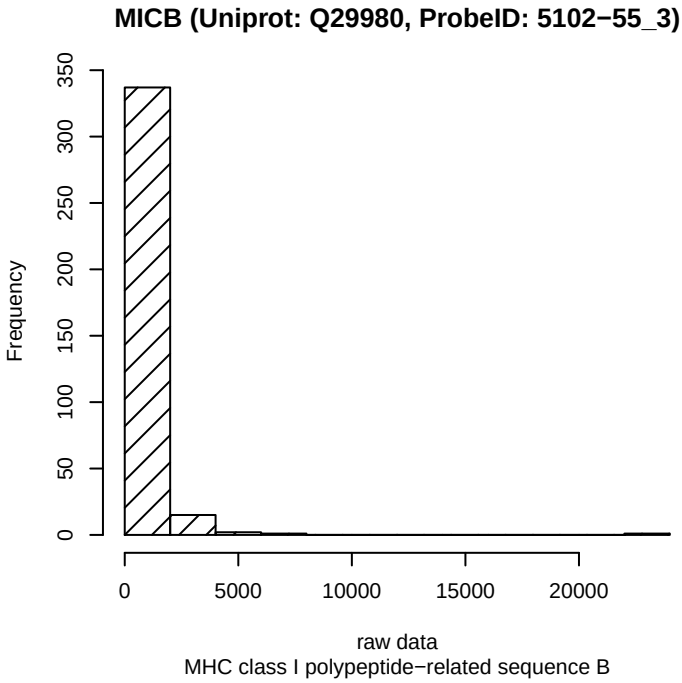

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
raw data
0
500
1000
1500
A/A (230)
A/G (106)
G/G (17)
rs9266772 (Chr6:31352113)
Locus 179 top sentinel (tags KORA rs2523570), p=0.28

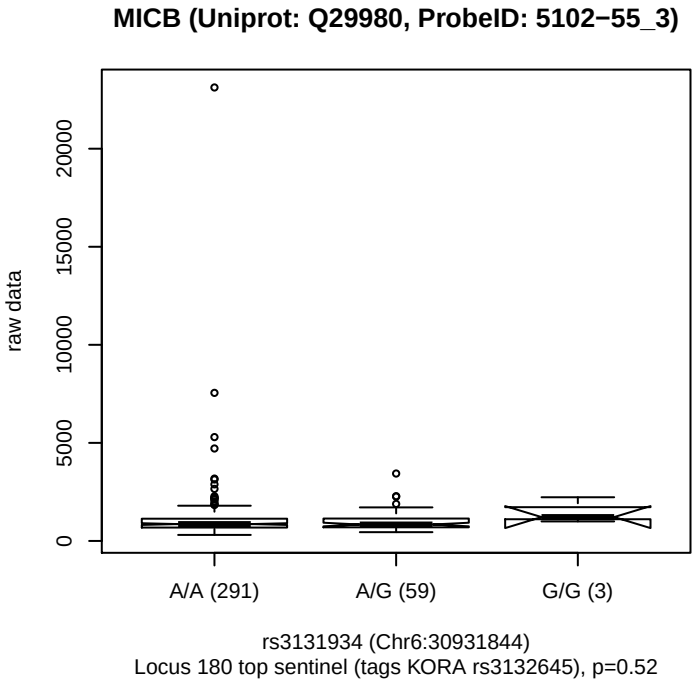

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
20
40
60
80
100
6
7
8
9
10
11
log2−scaled data
MHC class I polypeptide−related sequence A

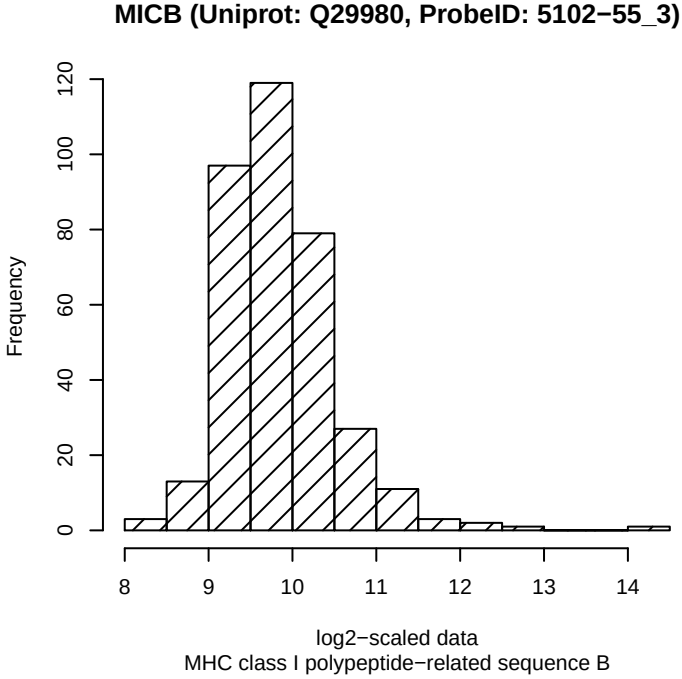

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
log2−scaled data
6
7
8
9
10
A/A (230)
A/G (106)
G/G (17)
rs9266772 (Chr6:31352113)
Locus 179 top sentinel (tags KORA rs2523570), p=0.00098, FC=1.1783

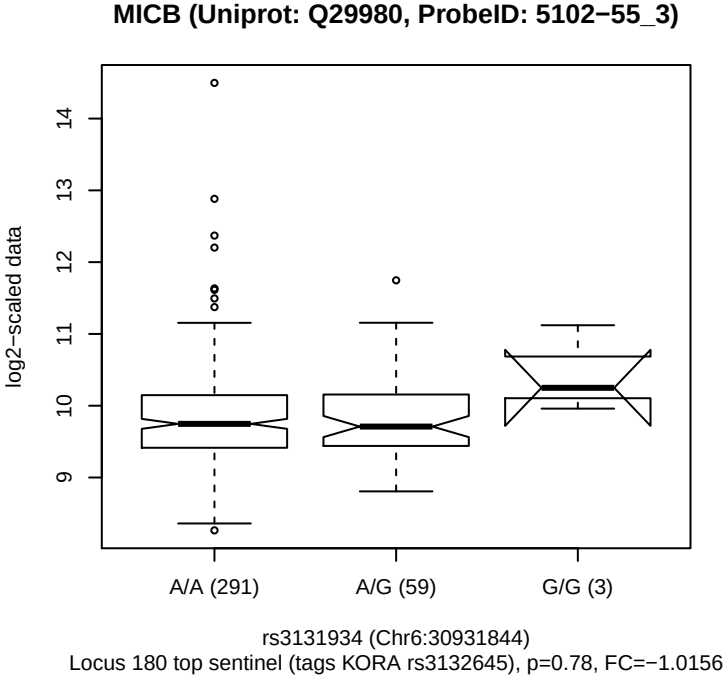

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence A

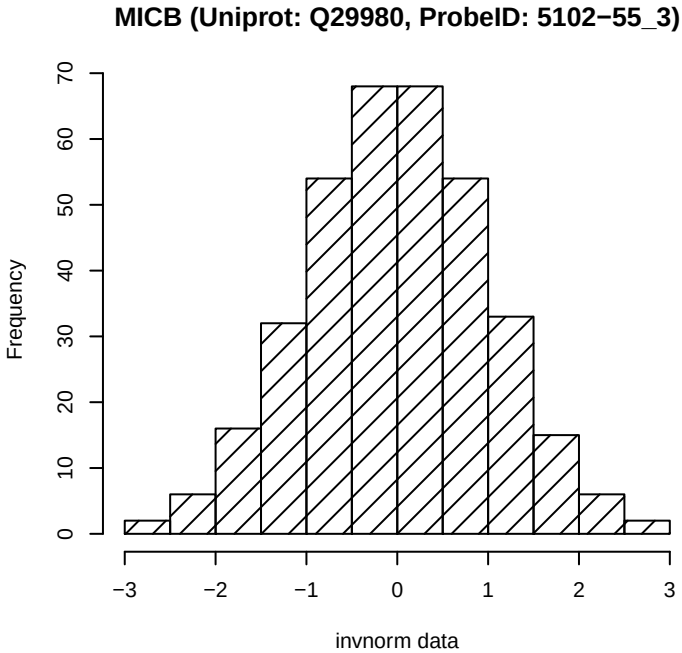

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
invnorm data
−2
−1
0
1
2
A/A (230)
A/G (106)
G/G (17)
rs9266772 (Chr6:31352113)
Locus 179 top sentinel (tags KORA rs2523570), p=0.0015

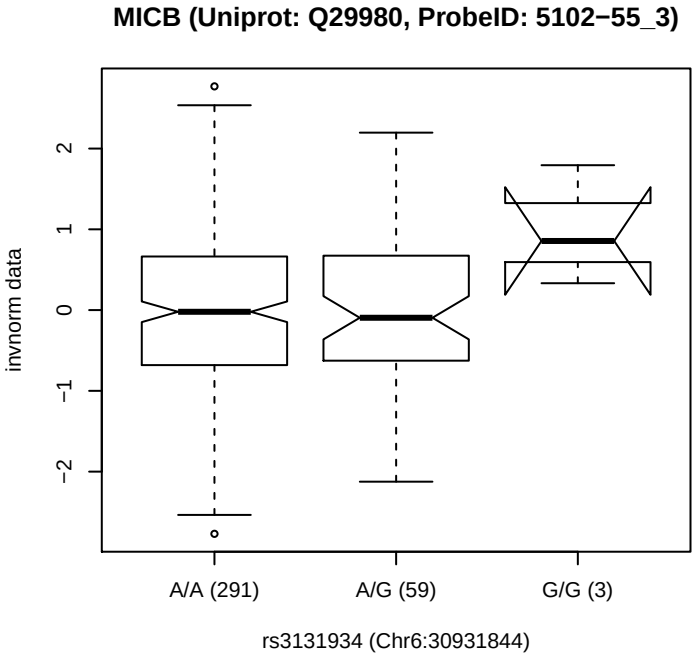

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
50
100
150
200
250
300
350
0
5000
10000
15000
20000
raw data
MHC class I polypeptide−related sequence B


MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
raw data
0
5000
10000
15000
20000
A/A (291)
A/G (59)
G/G (3)
rs3131934 (Chr6:30931844)
Locus 180 top sentinel (tags KORA rs3132645), p=0.52

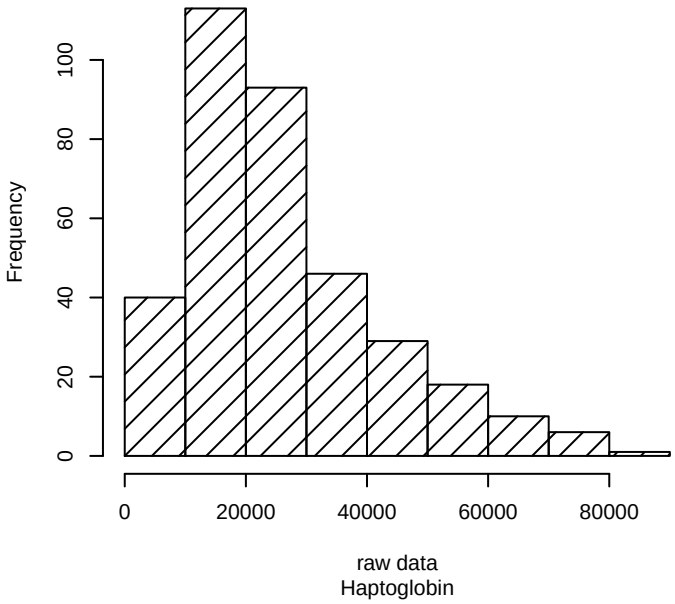

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
20
40
60
80
100
120
8
9
10
11
12
13
14
log2−scaled data
MHC class I polypeptide−related sequence B


MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
log2−scaled data
9
10
11
12
13
14
A/A (291)
A/G (59)
G/G (3)
rs3131934 (Chr6:30931844)
Locus 180 top sentinel (tags KORA rs3132645), p=0.78, FC=−1.0156

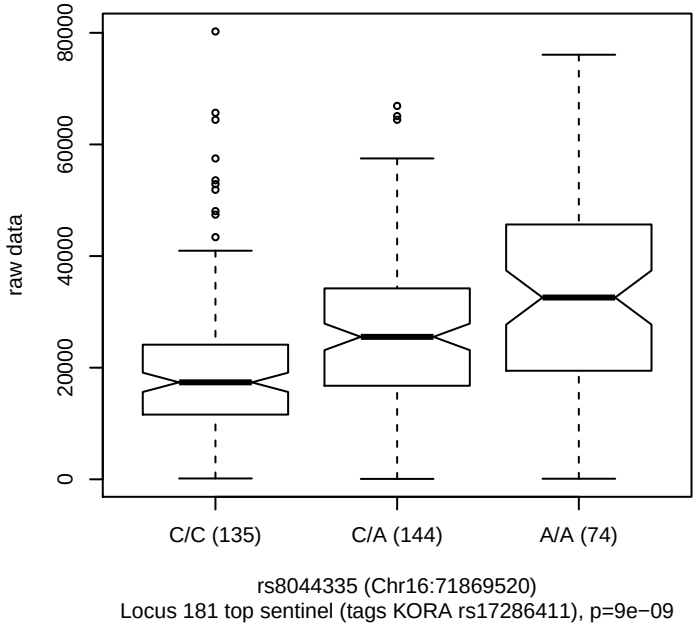

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence B


MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
invnorm data
−2
−1
0
1
2
A/A (291)
A/G (59)
G/G (3)
rs3131934 (Chr6:30931844)
Locus 180 top sentinel (tags KORA rs3132645), p=0.95

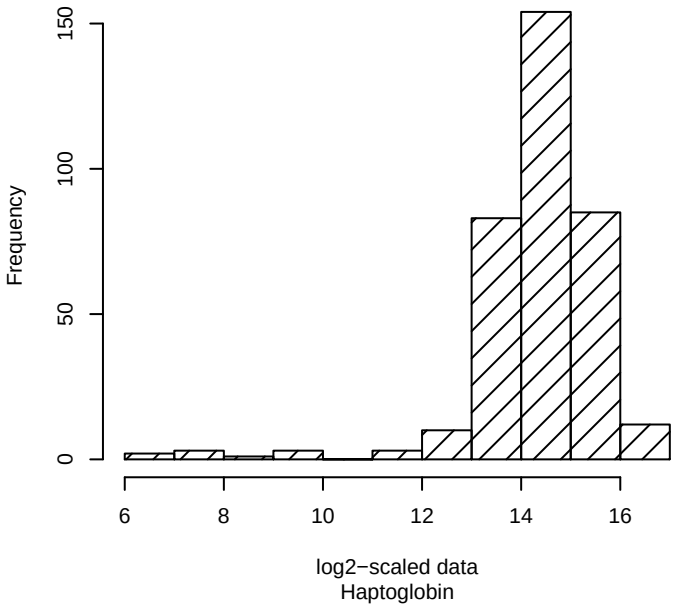
Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−3



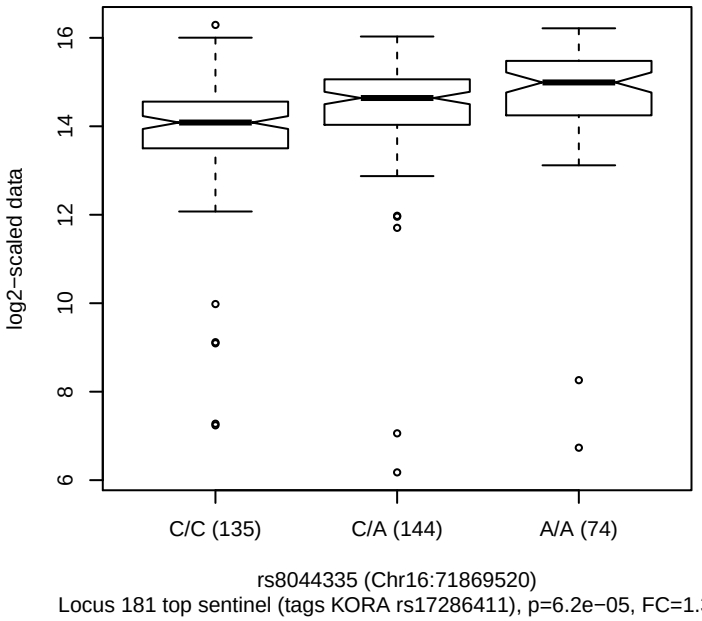
Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−3



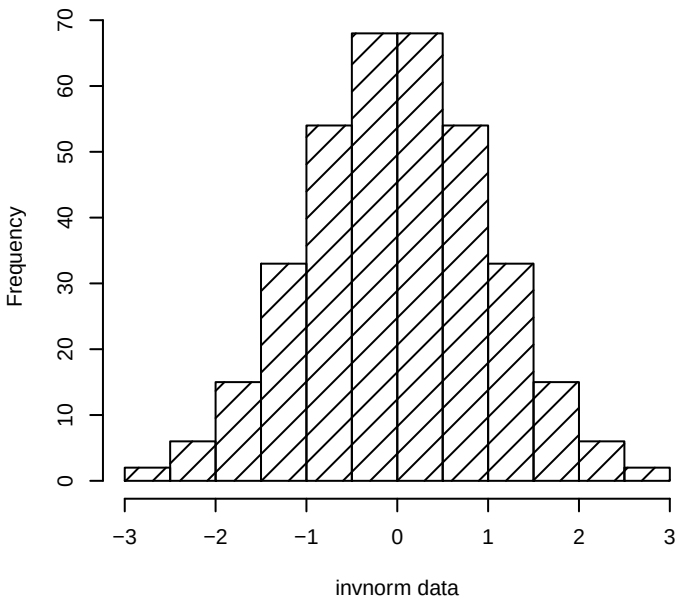
Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−3



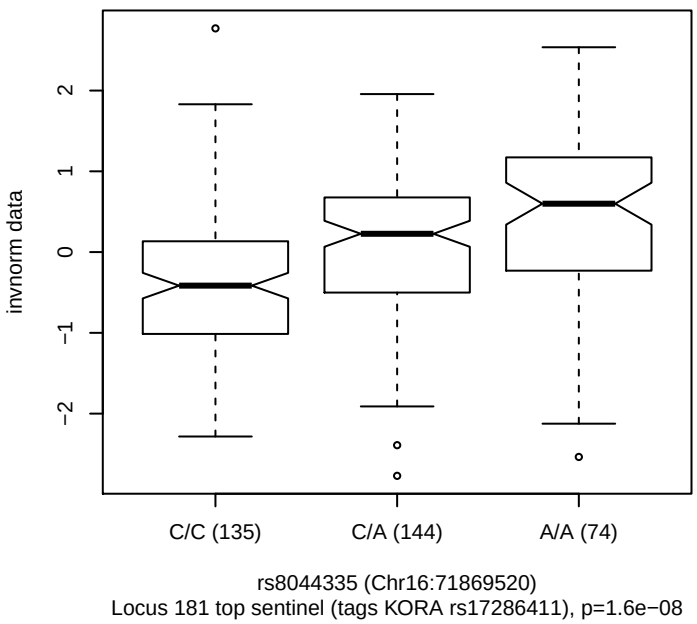
Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−3

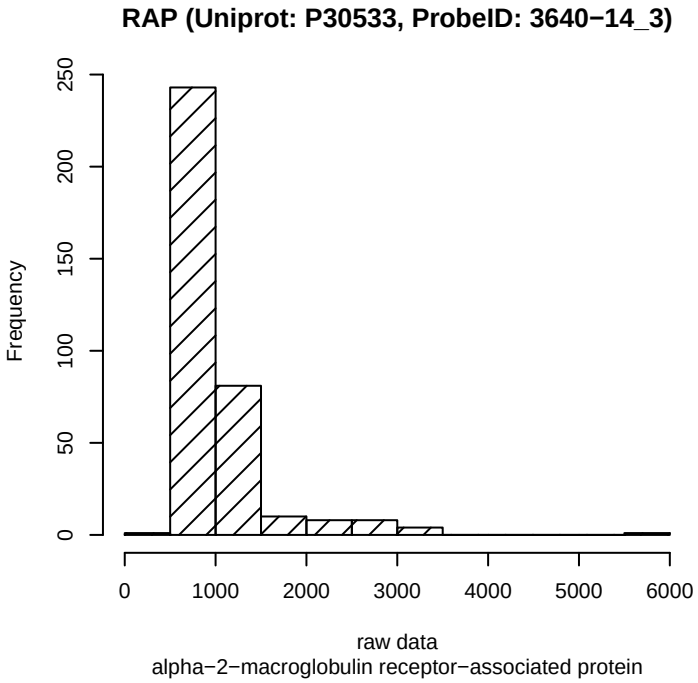


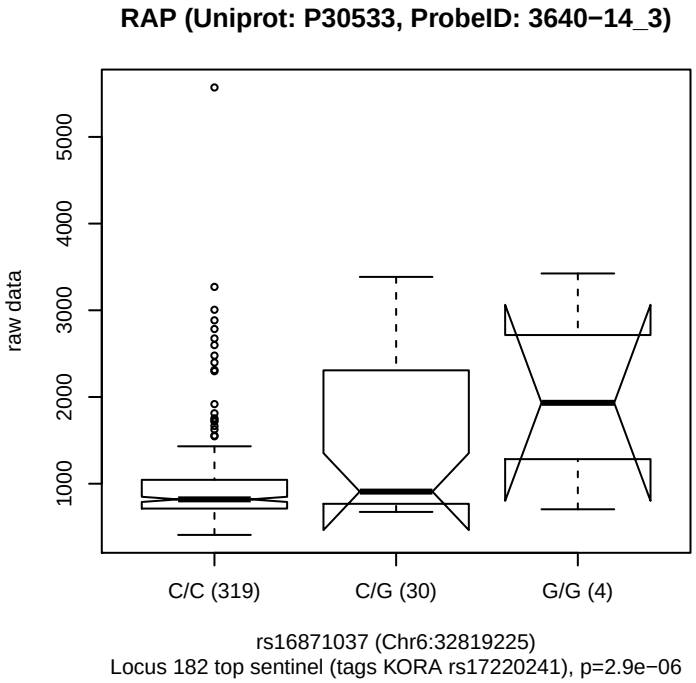
Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−3

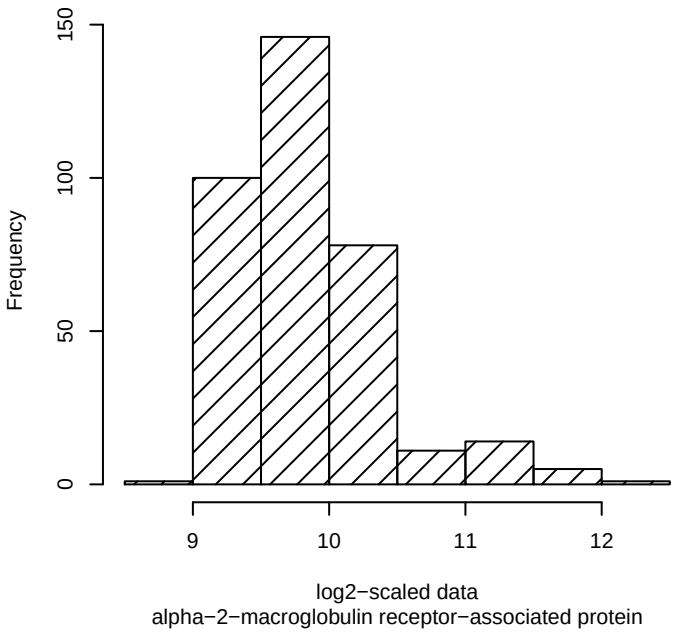


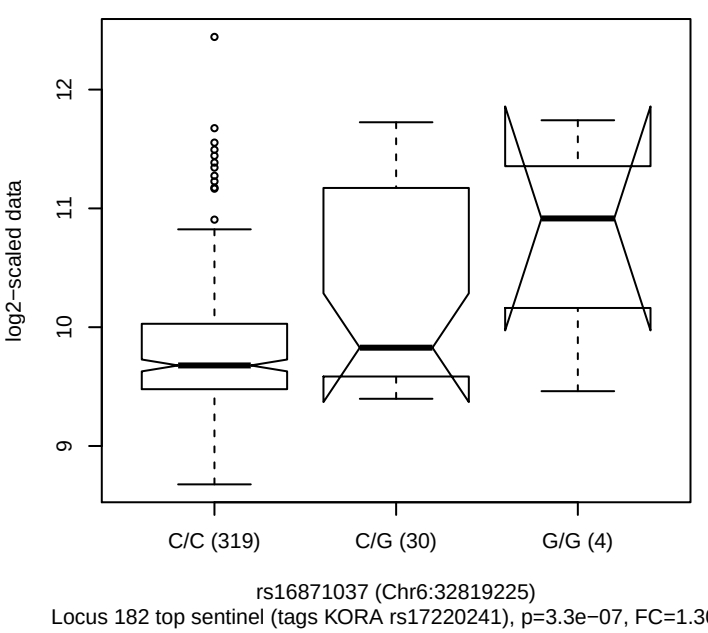
Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−3

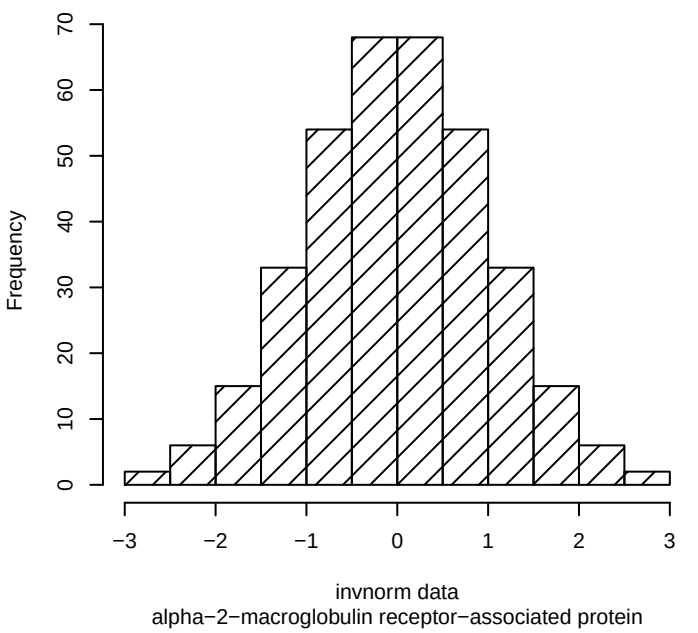


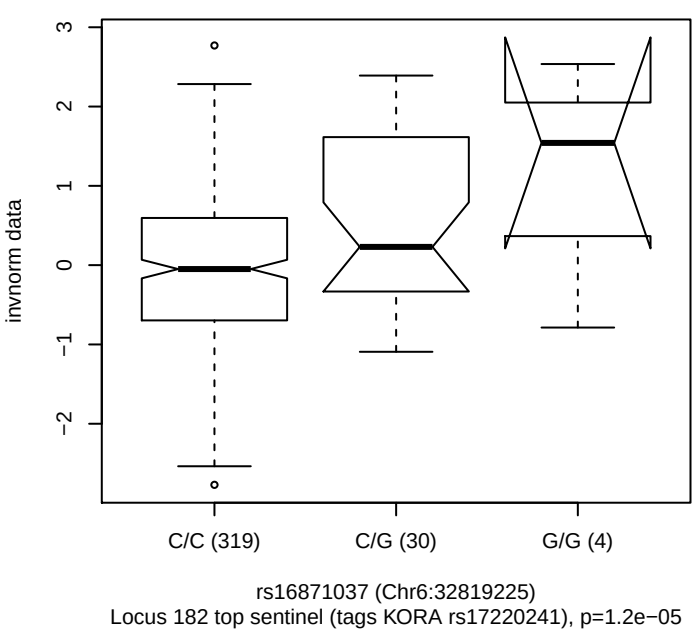

RAP (Uniprot: P30533, ProbeID: 3640−14_3)
Frequency
0
50
100
150
200
250
0
1000
2000
3000
4000
5000
6000
raw data
alpha−2−macroglobulin receptor−associated protein

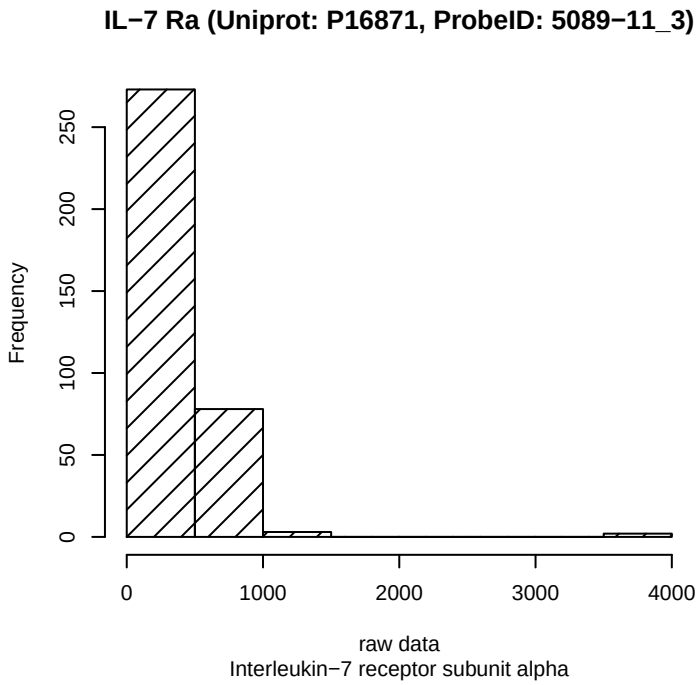

RAP (Uniprot: P30533, ProbeID: 3640−14_3)
raw data
1000
2000
3000
4000
5000
C/C (319)
C/G (30)
G/G (4)
rs16871037 (Chr6:32819225)
Locus 182 top sentinel (tags KORA rs17220241), p=2.9e−06

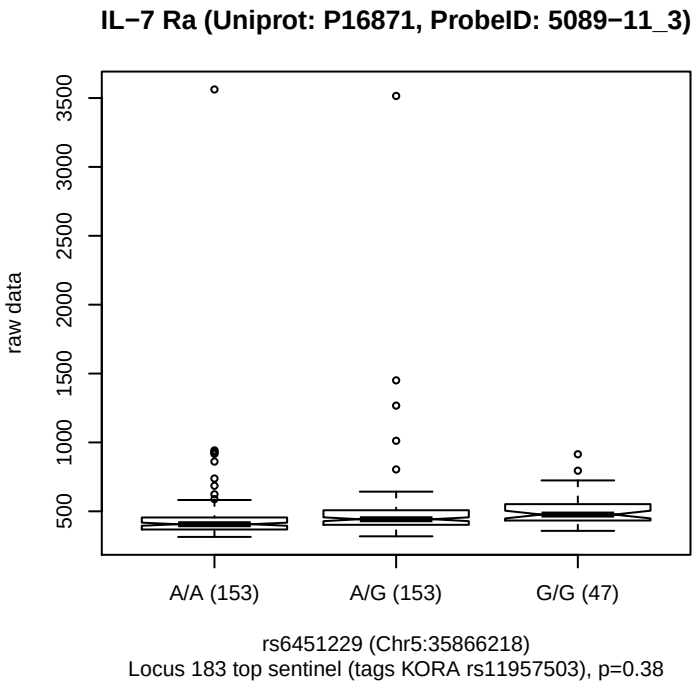

RAP (Uniprot: P30533, ProbeID: 3640−14_3)
Frequency
0
50
100
150
9
10
11
12
log2−scaled data
alpha−2−macroglobulin receptor−associated protein

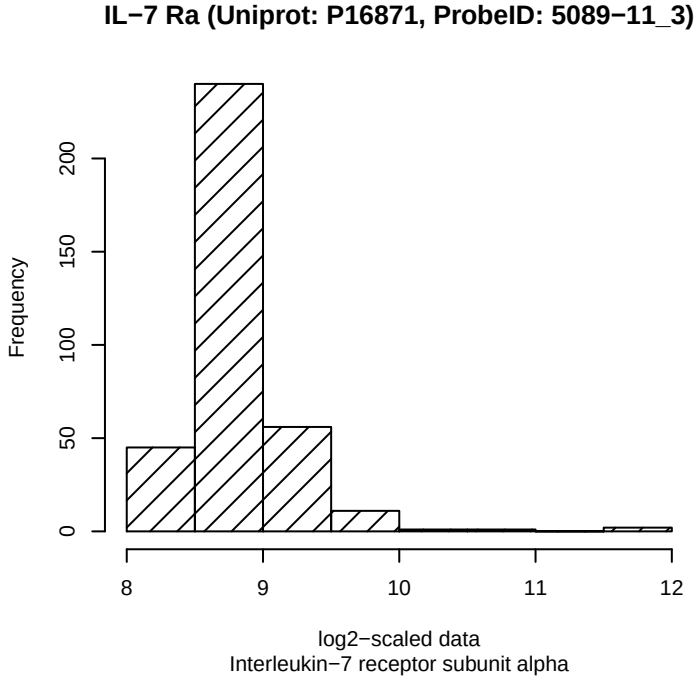

RAP (Uniprot: P30533, ProbeID: 3640−14_3)
log2−scaled data
9
10
11
12
C/C (319)
C/G (30)
G/G (4)
rs16871037 (Chr6:32819225)
Locus 182 top sentinel (tags KORA rs17220241), p=3.3e−07, FC=1.3075

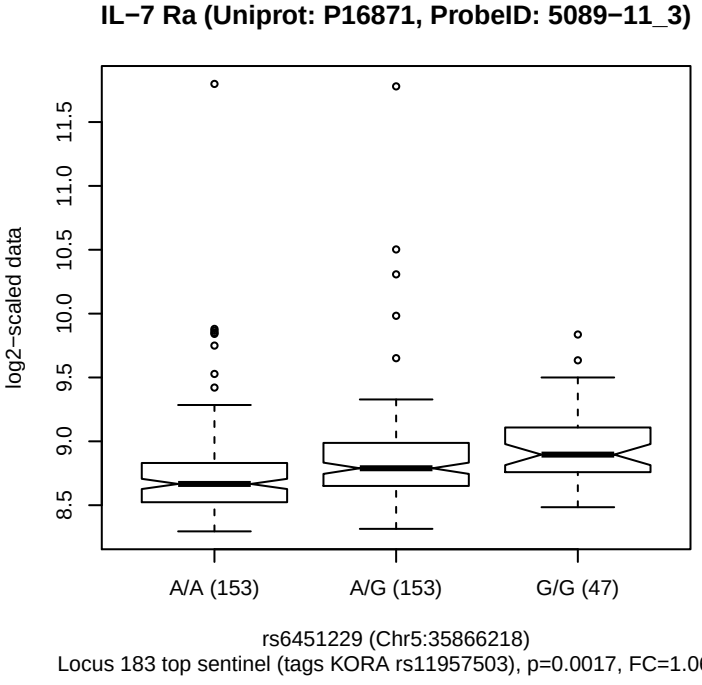

RAP (Uniprot: P30533, ProbeID: 3640−14_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
alpha−2−macroglobulin receptor−associated protein

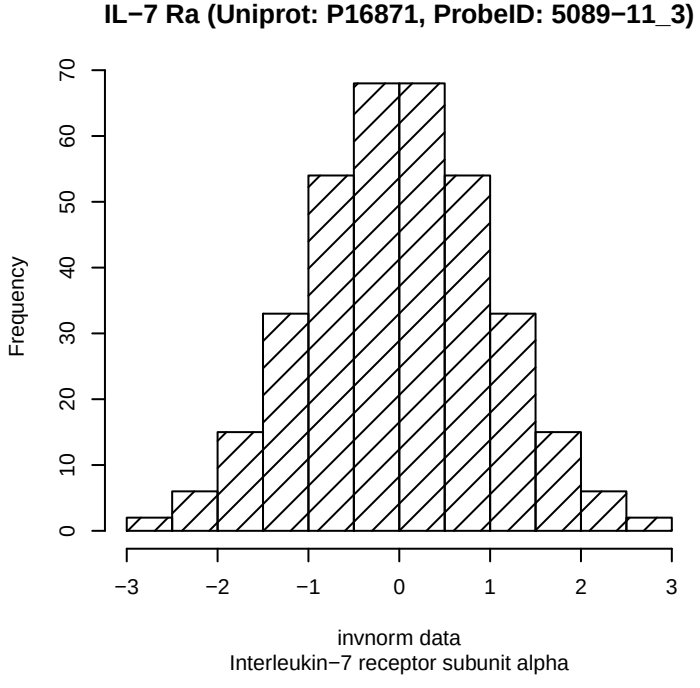

RAP (Uniprot: P30533, ProbeID: 3640−14_3)
invnorm data
−2
−1
0
1
2
3
C/C (319)
C/G (30)
G/G (4)
rs16871037 (Chr6:32819225)
Locus 182 top sentinel (tags KORA rs17220241), p=1.2e−05

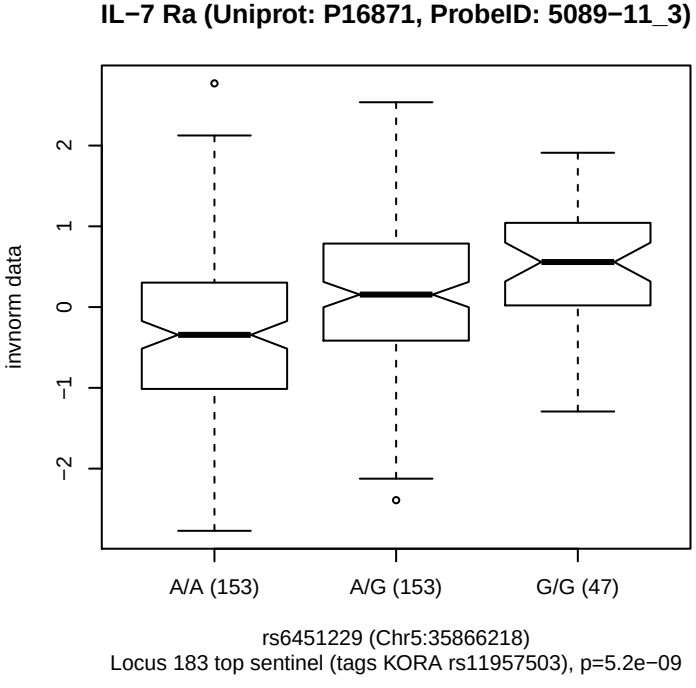

IL−7 Ra (Uniprot: P16871, ProbeID: 5089−11_3)
Frequency
0
50
100
150
200
250
0
1000
2000
3000
4000
raw data
Interleukin−7 receptor subunit alpha

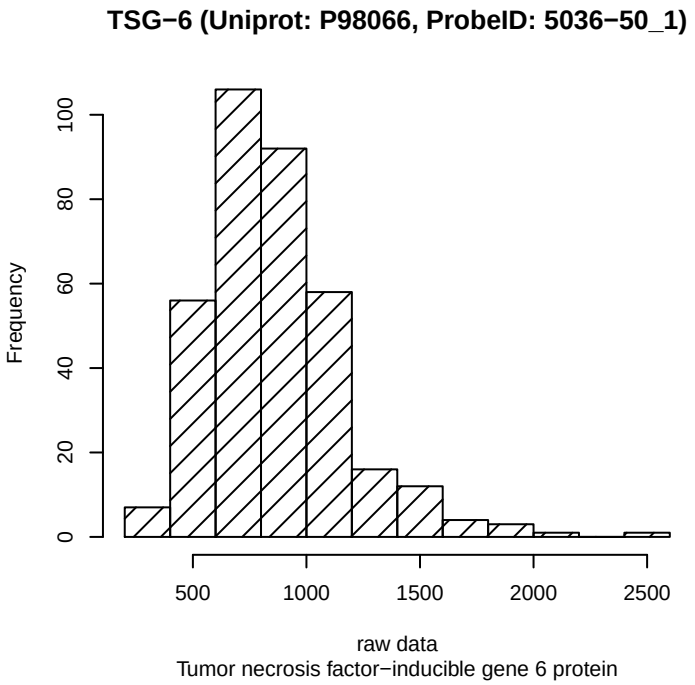

IL−7 Ra (Uniprot: P16871, ProbeID: 5089−11_3)
raw data
500
1000
1500
2000
2500
3000
3500
A/A (153)
A/G (153)
G/G (47)
rs6451229 (Chr5:35866218)
Locus 183 top sentinel (tags KORA rs11957503), p=0.38

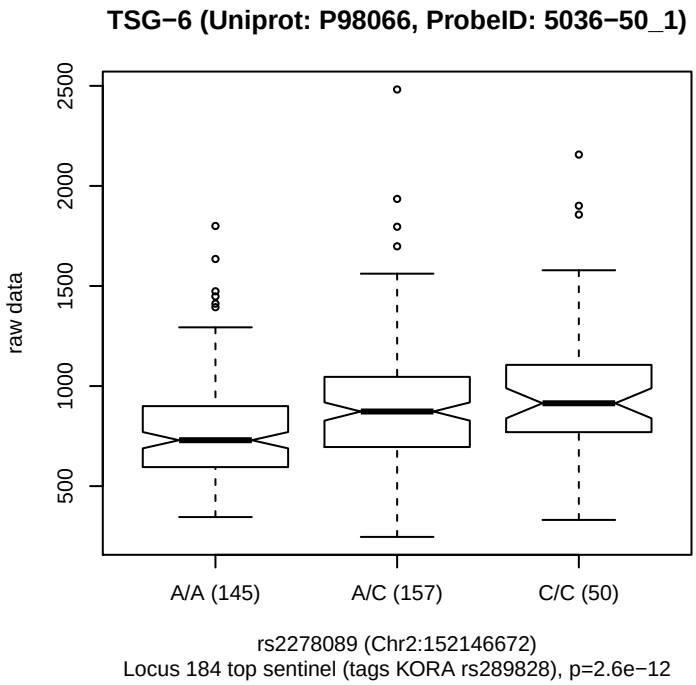

IL−7 Ra (Uniprot: P16871, ProbeID: 5089−11_3)
Frequency
0
50
100
150
200
8
9
10
11
12
log2−scaled data
Interleukin−7 receptor subunit alpha

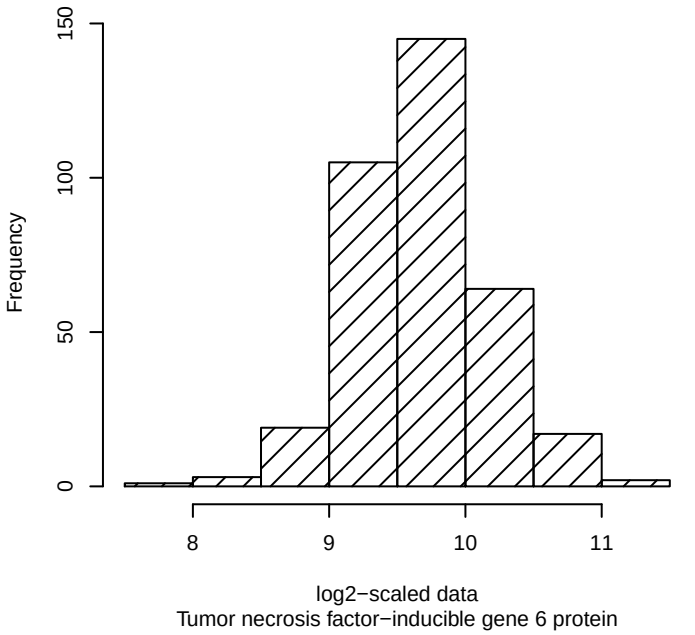

IL−7 Ra (Uniprot: P16871, ProbeID: 5089−11_3)
log2−scaled data
8.5
9.0
9.5
10.0
10.5
11.0
11.5
A/A (153)
A/G (153)
G/G (47)
rs6451229 (Chr5:35866218)
Locus 183 top sentinel (tags KORA rs11957503), p=0.0017, FC=1.0621

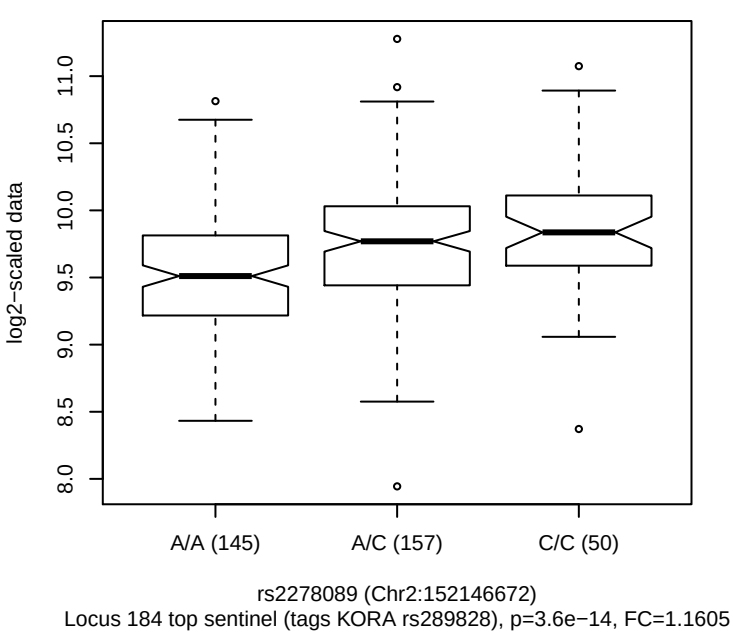

IL−7 Ra (Uniprot: P16871, ProbeID: 5089−11_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−7 receptor subunit alpha

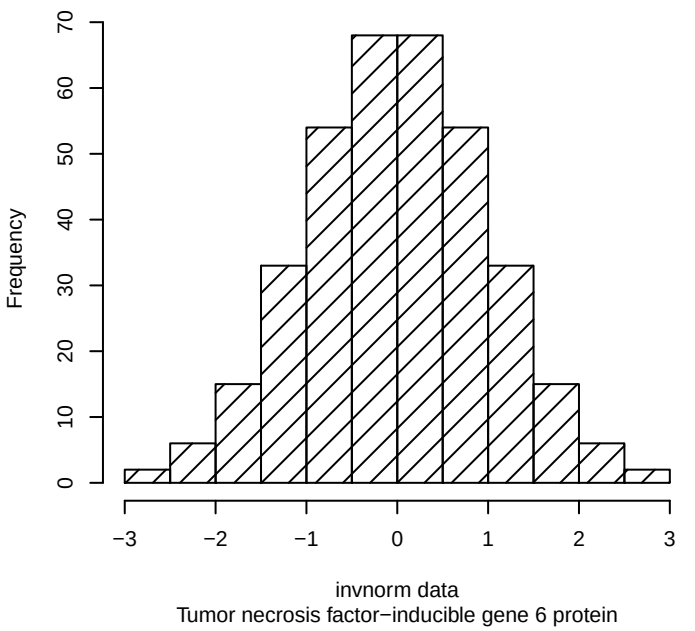

IL−7 Ra (Uniprot: P16871, ProbeID: 5089−11_3)
invnorm data
−2
−1
0
1
2
A/A (153)
A/G (153)
G/G (47)
rs6451229 (Chr5:35866218)
Locus 183 top sentinel (tags KORA rs11957503), p=5.2e−09

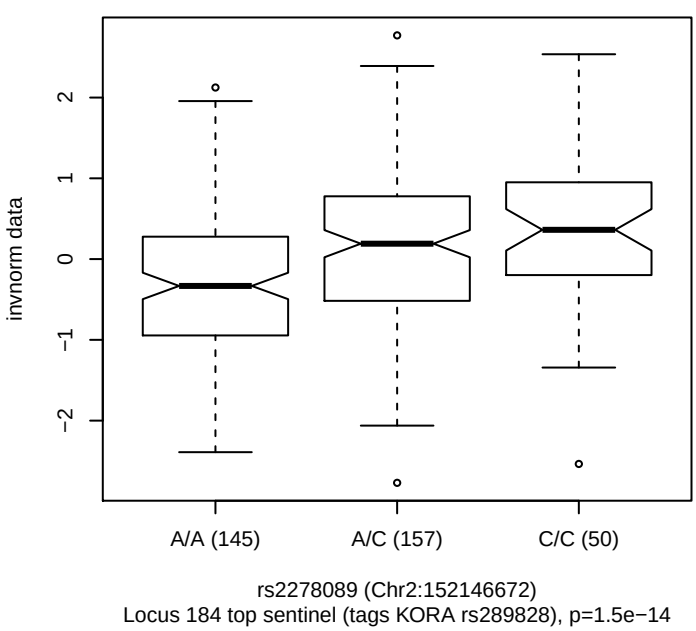

TSG−6 (Uniprot: P98066, ProbeID: 5036−50_1)
Frequency
0
20
40
60
80
100
500
1000
1500
2000
2500
raw data
Tumor necrosis factor−inducible gene 6 protein

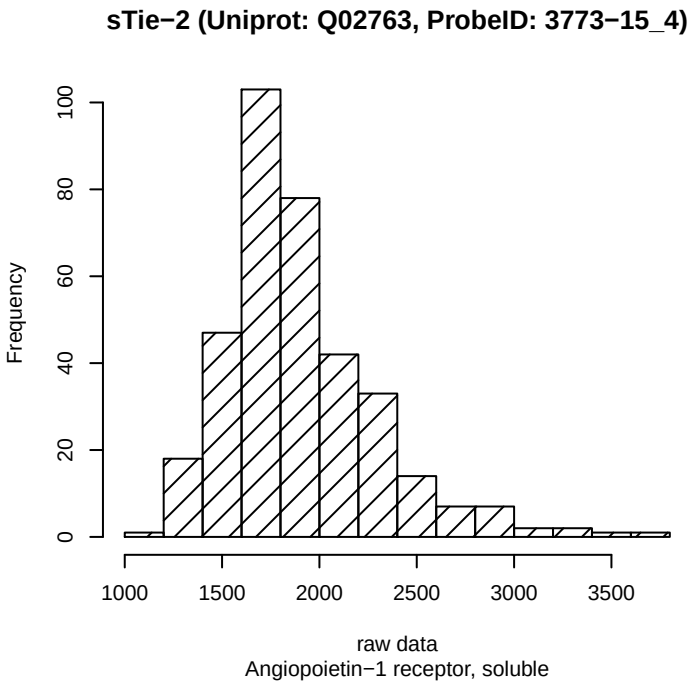

TSG−6 (Uniprot: P98066, ProbeID: 5036−50_1)
raw data
500
1000
1500
2000
2500
A/A (145)
A/C (157)
C/C (50)
rs2278089 (Chr2:152146672)
Locus 184 top sentinel (tags KORA rs289828), p=2.6e−12

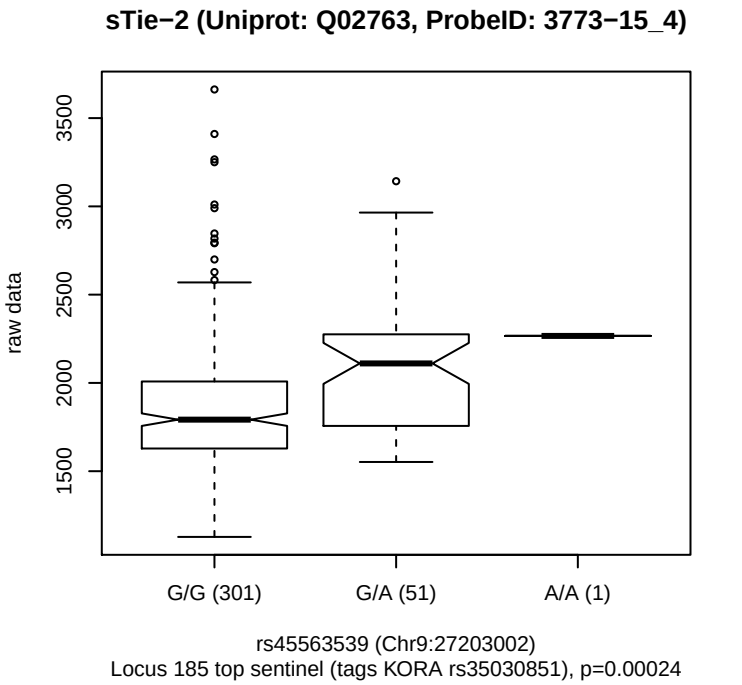

TSG−6 (Uniprot: P98066, ProbeID: 5036−50_1)
Frequency
0
50
100
150
8
9
10
11
log2−scaled data
Tumor necrosis factor−inducible gene 6 protein

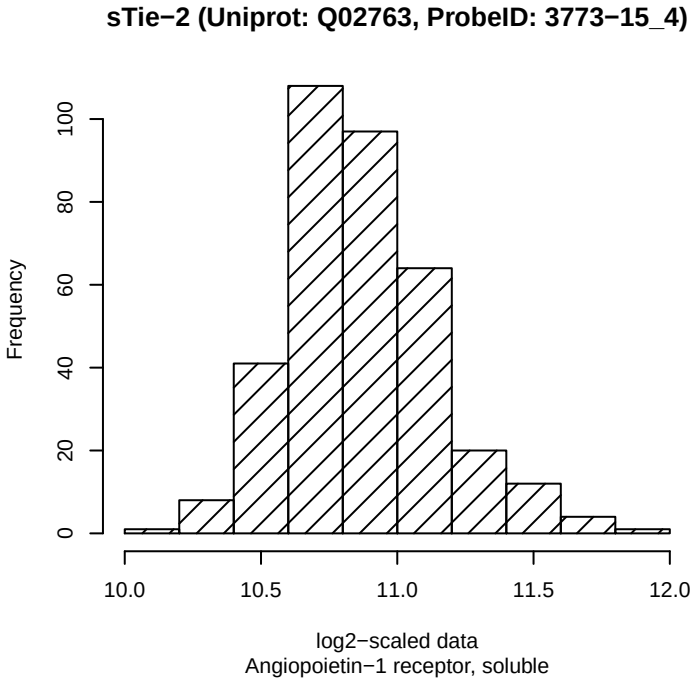

TSG−6 (Uniprot: P98066, ProbeID: 5036−50_1)
log2−scaled data
8.0
8.5
9.0
9.5
10.0
10.5
11.0
A/A (145)
A/C (157)
C/C (50)
rs2278089 (Chr2:152146672)
Locus 184 top sentinel (tags KORA rs289828), p=3.6e−14, FC=1.1605

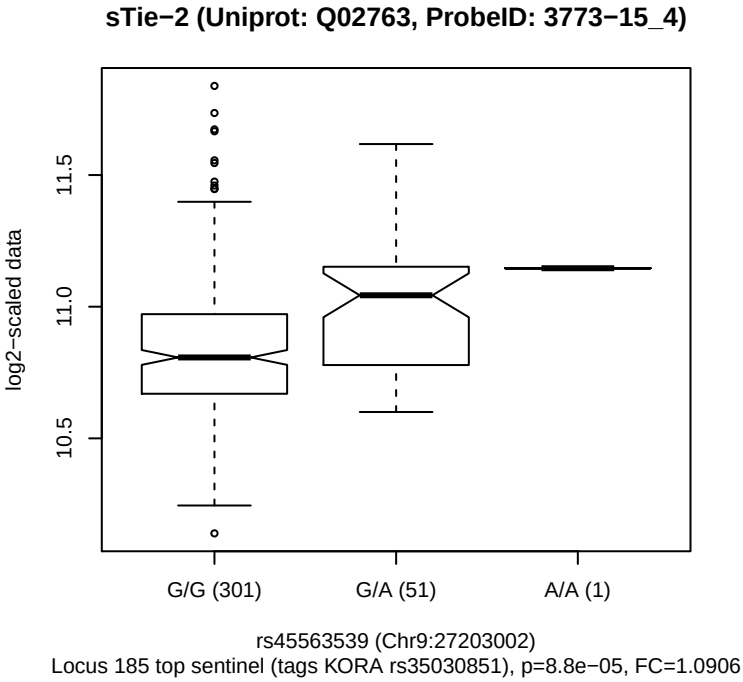

TSG−6 (Uniprot: P98066, ProbeID: 5036−50_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Tumor necrosis factor−inducible gene 6 protein

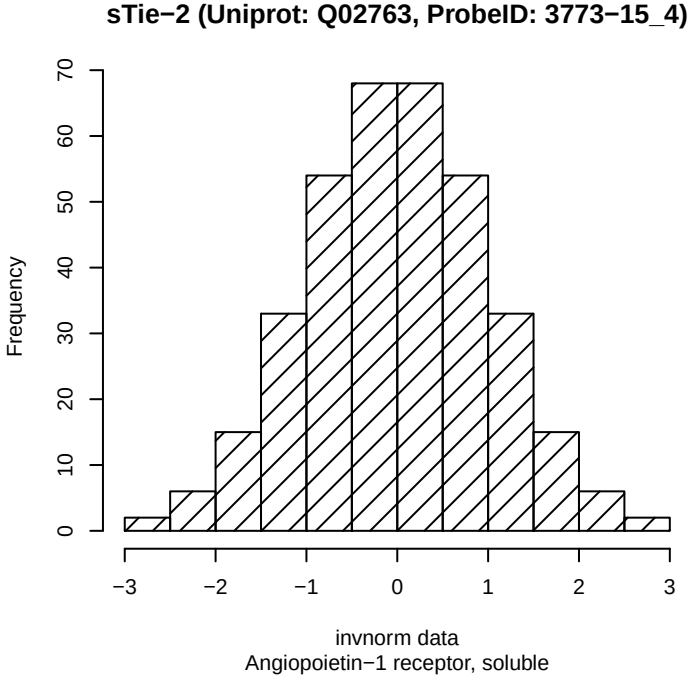

TSG−6 (Uniprot: P98066, ProbeID: 5036−50_1)
invnorm data
−2
−1
0
1
2
A/A (145)
A/C (157)
C/C (50)
rs2278089 (Chr2:152146672)
Locus 184 top sentinel (tags KORA rs289828), p=1.5e−14

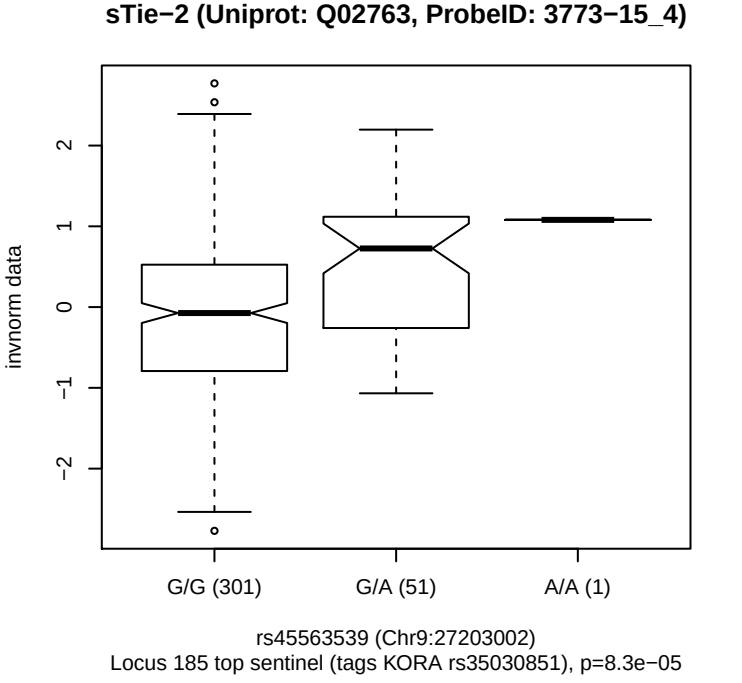

sTie−2 (Uniprot: Q02763, ProbeID: 3773−15_4)
Frequency
0
20
40
60
80
100
1000
1500
2000
2500
3000
3500
raw data
Angiopoietin−1 receptor, soluble

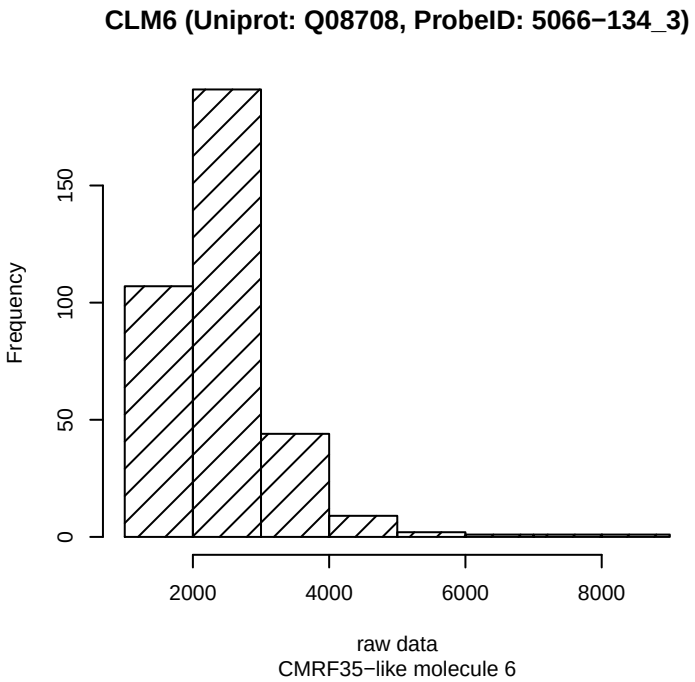

sTie−2 (Uniprot: Q02763, ProbeID: 3773−15_4)
raw data
1500
2000
2500
3000
3500
G/G (301)
G/A (51)
A/A (1)
rs45563539 (Chr9:27203002)
Locus 185 top sentinel (tags KORA rs35030851), p=0.00024

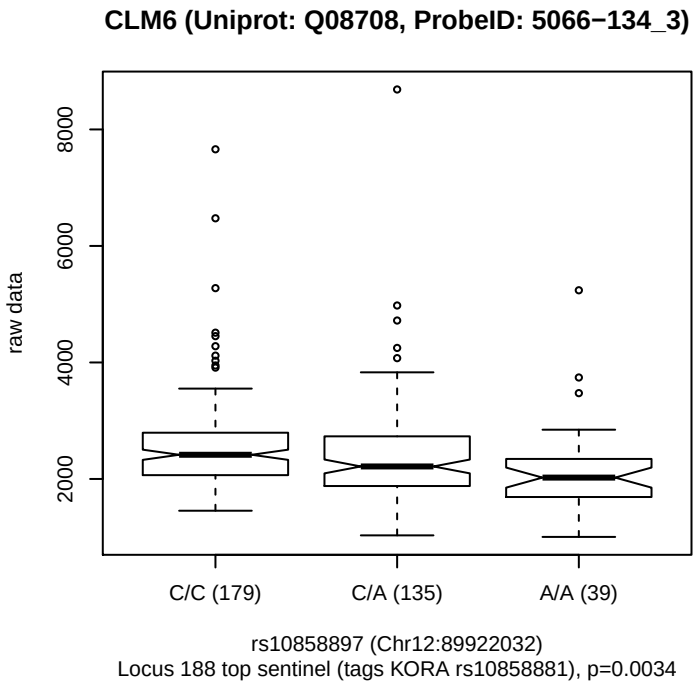

sTie−2 (Uniprot: Q02763, ProbeID: 3773−15_4)
Frequency
0
20
40
60
80
100
10.0
10.5
11.0
11.5
12.0
log2−scaled data
Angiopoietin−1 receptor, soluble

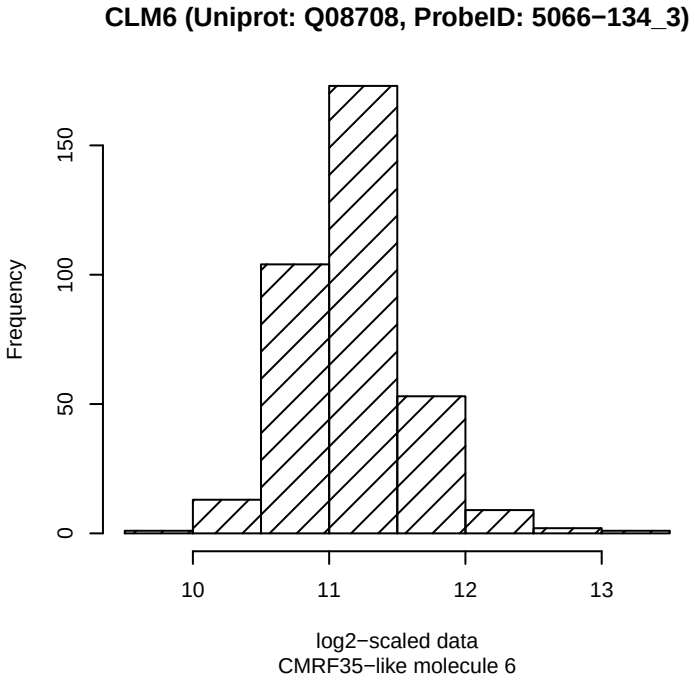

sTie−2 (Uniprot: Q02763, ProbeID: 3773−15_4)
log2−scaled data
10.5
11.0
11.5
G/G (301)
G/A (51)
A/A (1)
rs45563539 (Chr9:27203002)
Locus 185 top sentinel (tags KORA rs35030851), p=8.8e−05, FC=1.0906

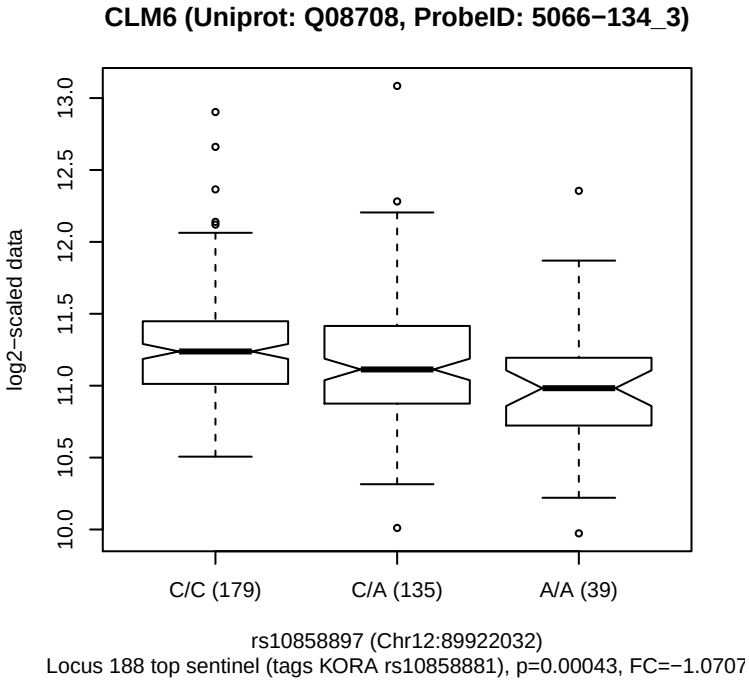

sTie−2 (Uniprot: Q02763, ProbeID: 3773−15_4)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Angiopoietin−1 receptor, soluble

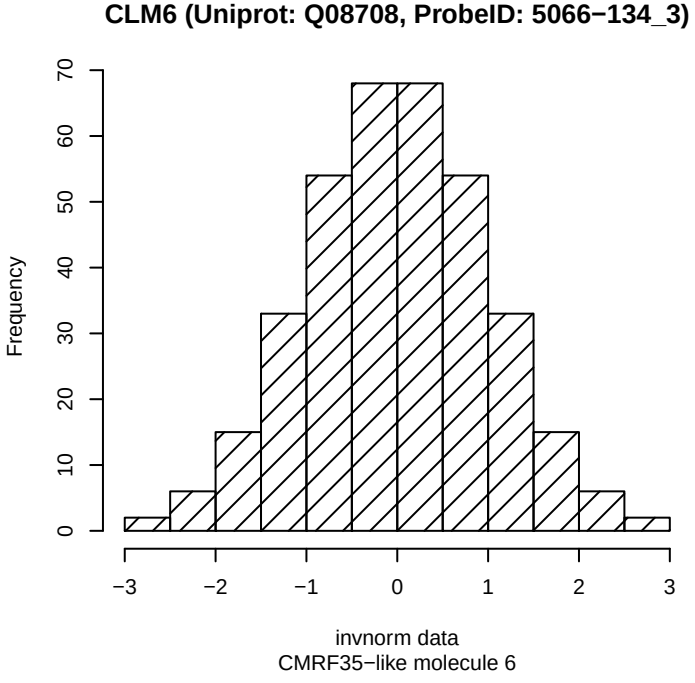

sTie−2 (Uniprot: Q02763, ProbeID: 3773−15_4)
invnorm data
−2
−1
0
1
2
G/G (301)
G/A (51)
A/A (1)
rs45563539 (Chr9:27203002)
Locus 185 top sentinel (tags KORA rs35030851), p=8.3e−05

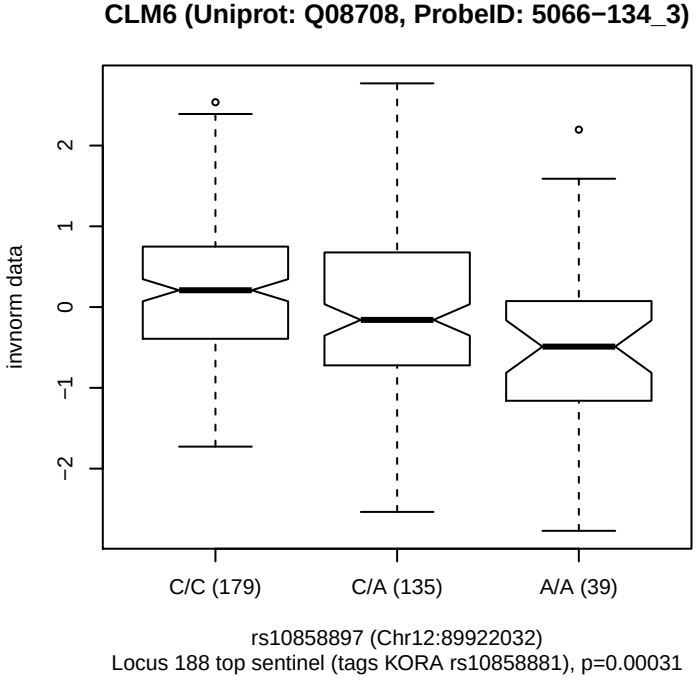

CLM6 (Uniprot: Q08708, ProbeID: 5066−134_3)
Frequency
0
50
100
150
2000
4000
6000
8000
raw data
CMRF35−like molecule 6


CLM6 (Uniprot: Q08708, ProbeID: 5066−134_3)
raw data
2000
4000
6000
8000
C/C (179)
C/A (135)
A/A (39)
rs10858897 (Chr12:89922032)
Locus 188 top sentinel (tags KORA rs10858881), p=0.0034

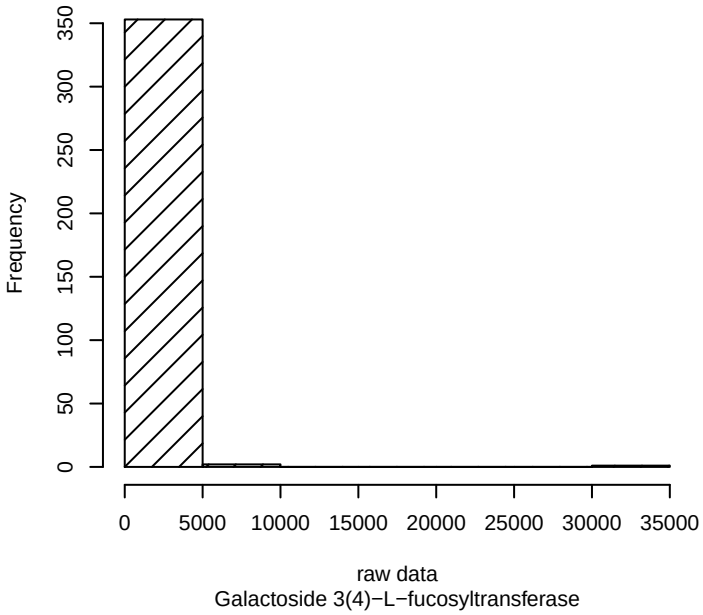

CLM6 (Uniprot: Q08708, ProbeID: 5066−134_3)
Frequency
0
50
100
150
10
11
12
13
log2−scaled data
CMRF35−like molecule 6


CLM6 (Uniprot: Q08708, ProbeID: 5066−134_3)
log2−scaled data
10.0
10.5
11.0
11.5
12.0
12.5
13.0
C/C (179)
C/A (135)
A/A (39)
rs10858897 (Chr12:89922032)
Locus 188 top sentinel (tags KORA rs10858881), p=0.00043, FC=−1.0707

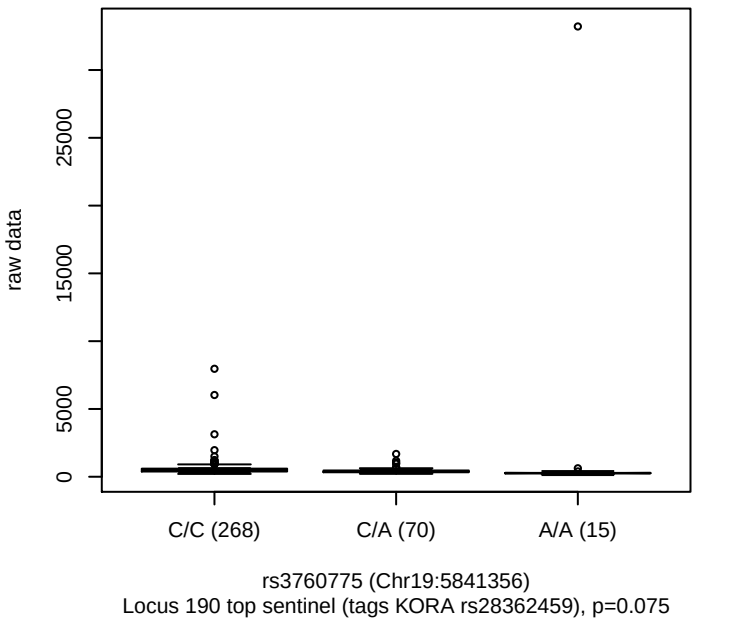

CLM6 (Uniprot: Q08708, ProbeID: 5066−134_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
CMRF35−like molecule 6


CLM6 (Uniprot: Q08708, ProbeID: 5066−134_3)
invnorm data
−2
−1
0
1
2
C/C (179)
C/A (135)
A/A (39)
rs10858897 (Chr12:89922032)
Locus 188 top sentinel (tags KORA rs10858881), p=0.00031

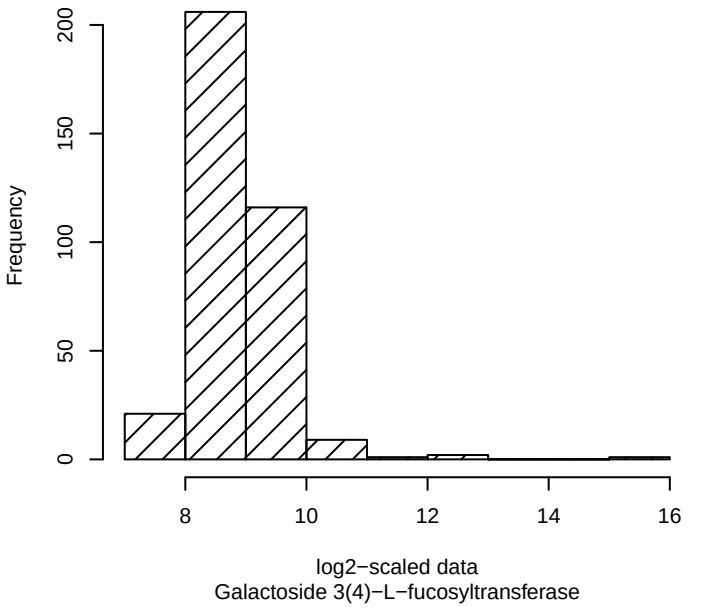
Fucosyltransferase 3 (Uniprot: P21217, ProbeID: 4548−4_



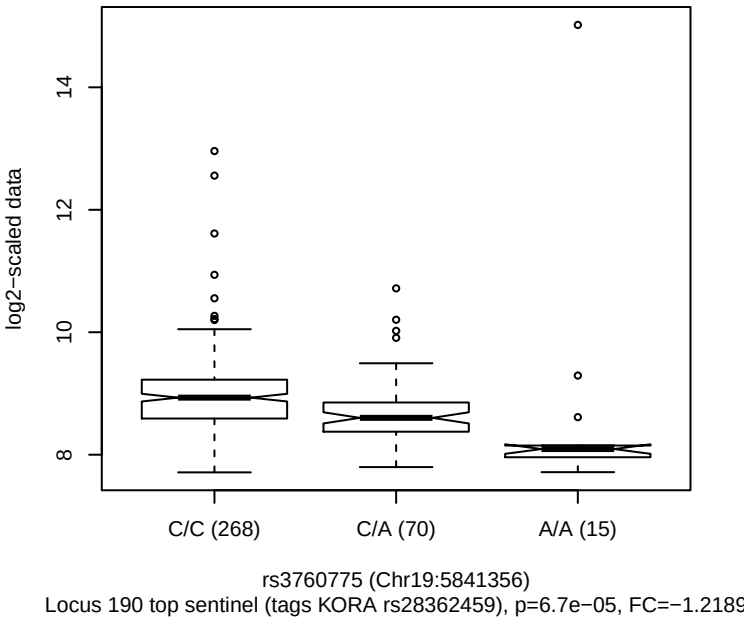
Fucosyltransferase 3 (Uniprot: P21217, ProbeID: 4548−4_



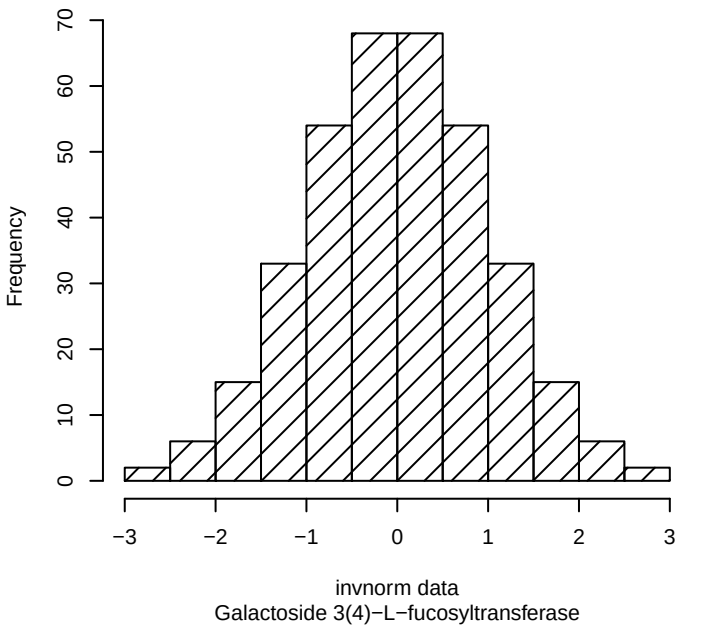
Fucosyltransferase 3 (Uniprot: P21217, ProbeID: 4548−4_



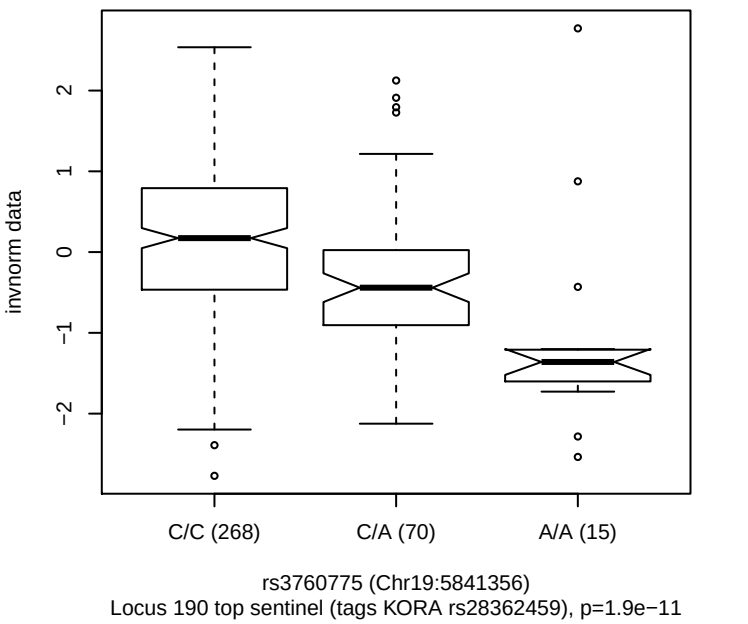
Fucosyltransferase 3 (Uniprot: P21217, ProbeID: 4548−4_

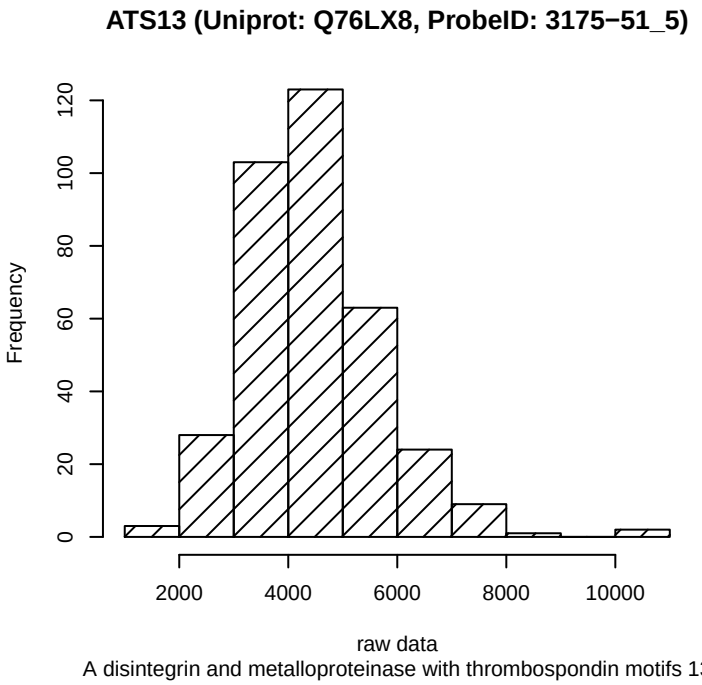


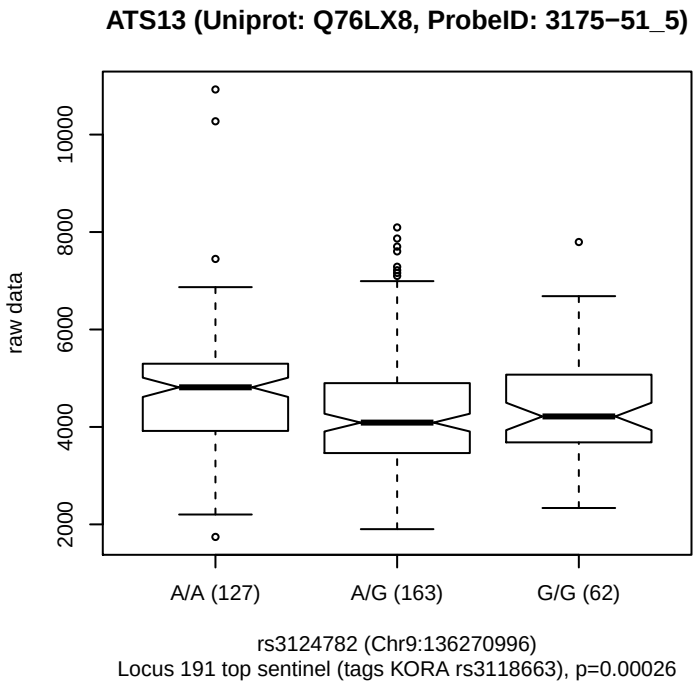
Fucosyltransferase 3 (Uniprot: P21217, ProbeID: 4548−4_

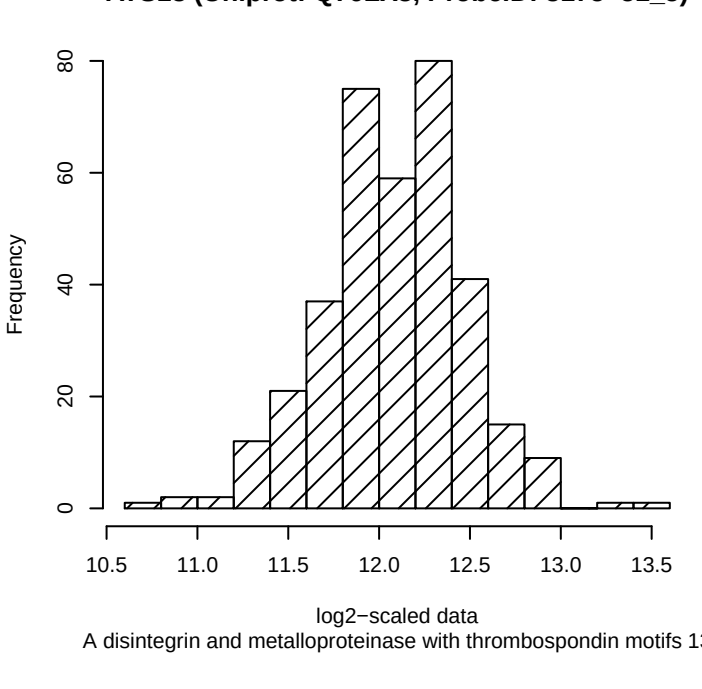


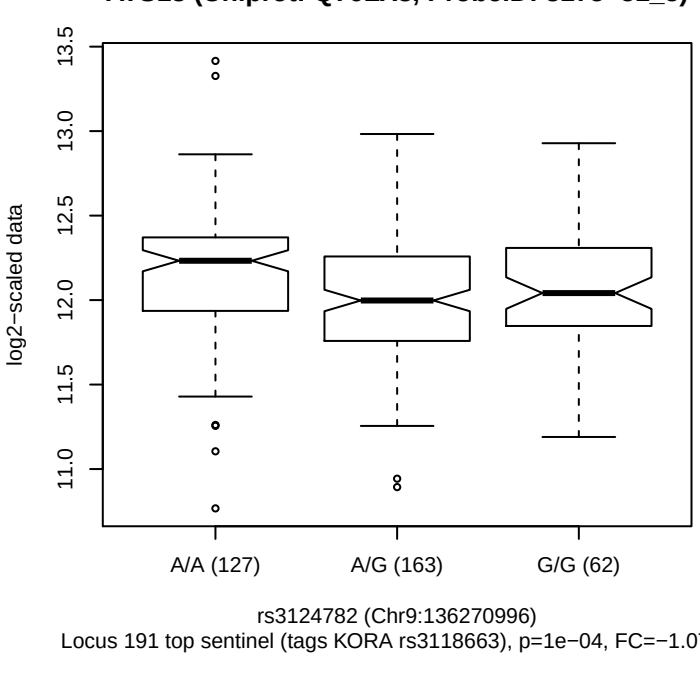
Fucosyltransferase 3 (Uniprot: P21217, ProbeID: 4548−4_

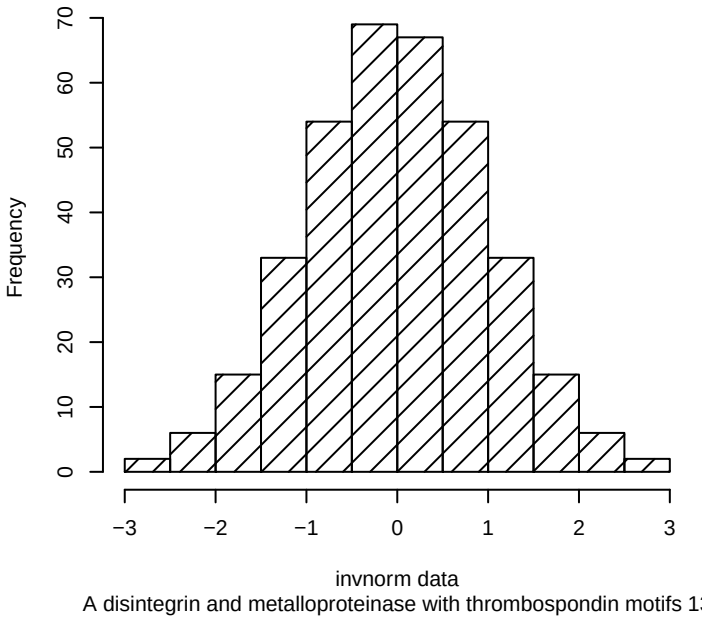


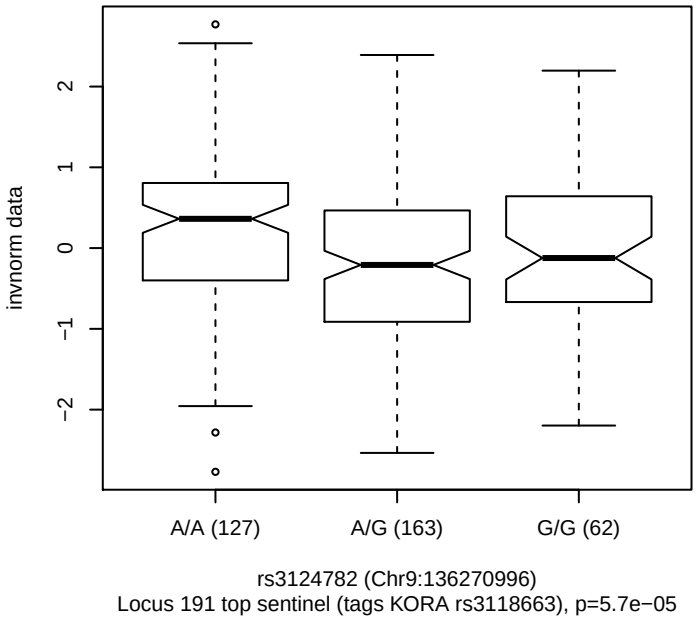

ATS13 (Uniprot: Q76LX8, ProbeID: 3175−51_5)
Frequency
0
20
40
60
80
100
120
2000
4000
6000
8000
10000
raw data
A disintegrin and metalloproteinase with thrombospondin motifs 13

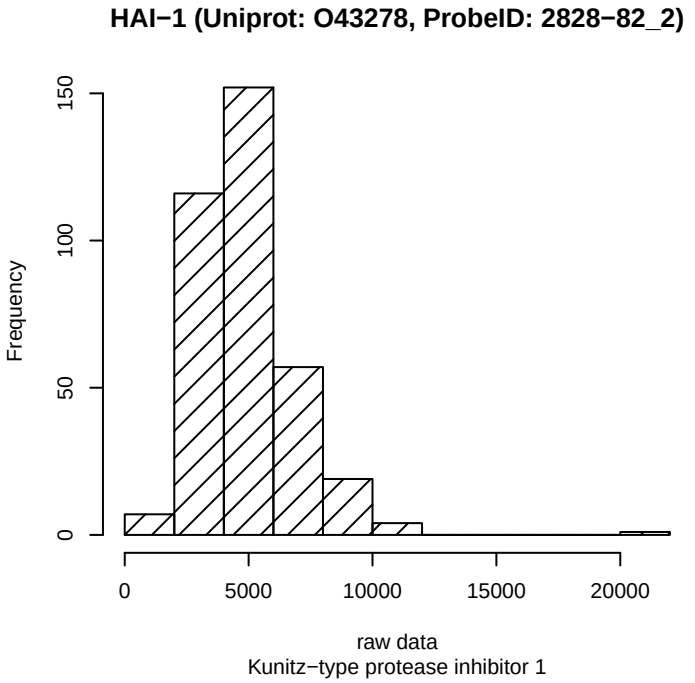

ATS13 (Uniprot: Q76LX8, ProbeID: 3175−51_5)
raw data
2000
4000
6000
8000
10000
A/A (127)
A/G (163)
G/G (62)
rs3124782 (Chr9:136270996)
Locus 191 top sentinel (tags KORA rs3118663), p=0.00026

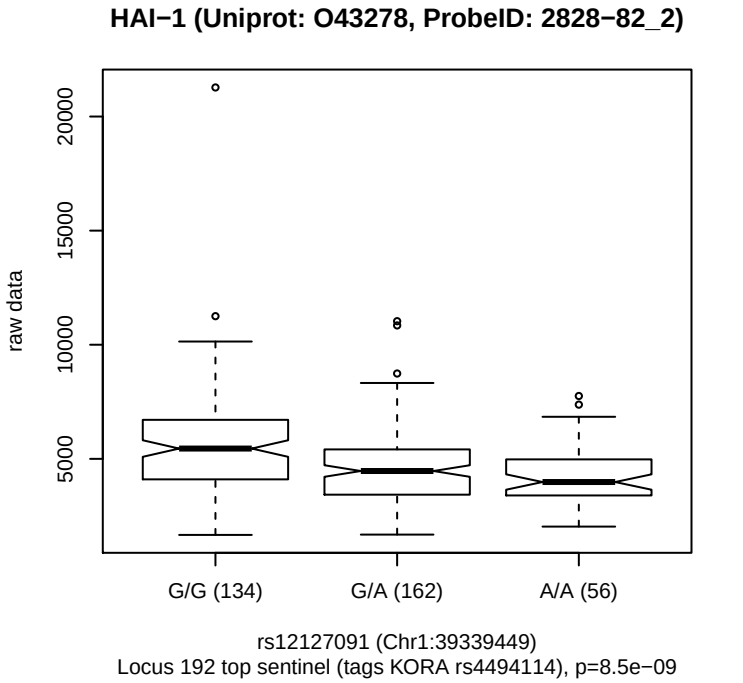

ATS13 (Uniprot: Q76LX8, ProbeID: 3175−51_5)
Frequency
0
20
40
60
80
10.5
11.0
11.5
12.0
12.5
13.0
13.5
log2−scaled data
A disintegrin and metalloproteinase with thrombospondin motifs 13

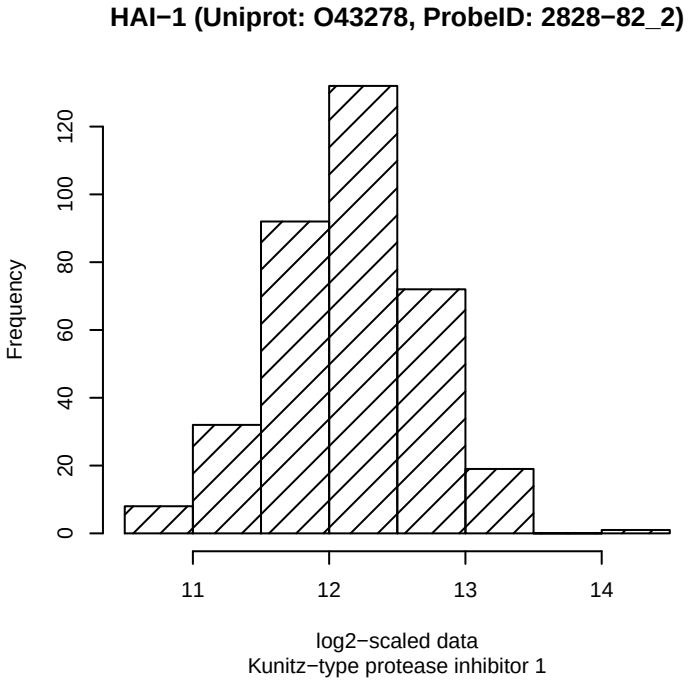

ATS13 (Uniprot: Q76LX8, ProbeID: 3175−51_5)
log2−scaled data
11.0
11.5
12.0
12.5
13.0
13.5
A/A (127)
A/G (163)
G/G (62)
rs3124782 (Chr9:136270996)
Locus 191 top sentinel (tags KORA rs3118663), p=1e−04, FC=−1.0732

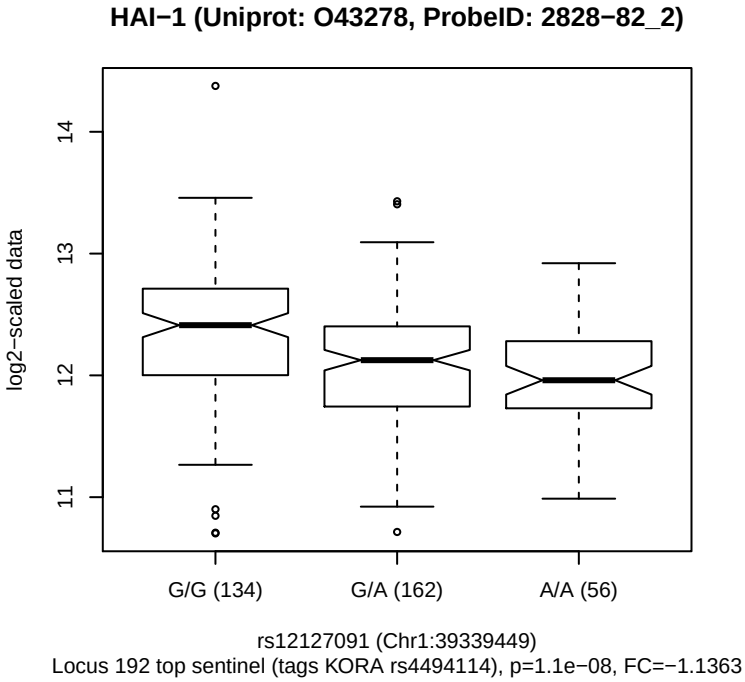

ATS13 (Uniprot: Q76LX8, ProbeID: 3175−51_5)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
A disintegrin and metalloproteinase with thrombospondin motifs 13

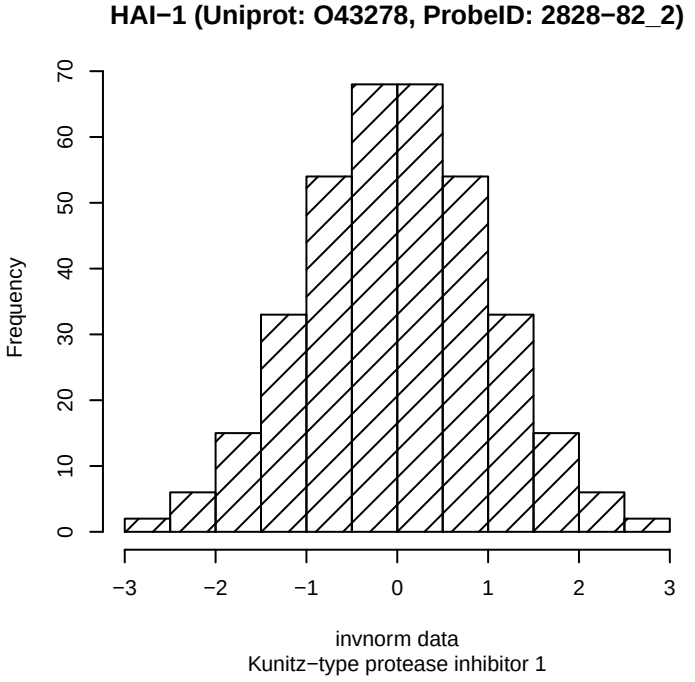

ATS13 (Uniprot: Q76LX8, ProbeID: 3175−51_5)
invnorm data
−2
−1
0
1
2
A/A (127)
A/G (163)
G/G (62)
rs3124782 (Chr9:136270996)
Locus 191 top sentinel (tags KORA rs3118663), p=5.7e−05

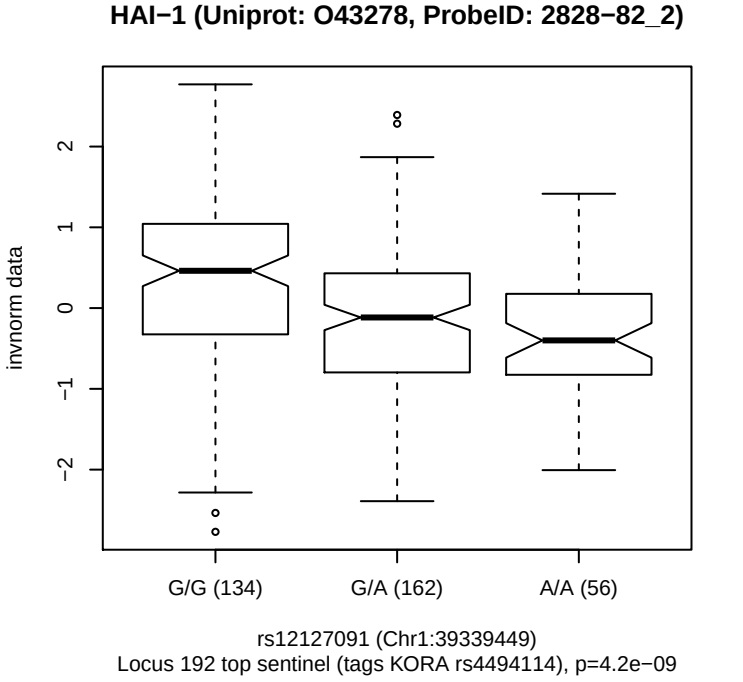

HAI−1 (Uniprot: O43278, ProbeID: 2828−82_2)
Frequency
0
50
100
150
0
5000
10000
15000
20000
raw data
Kunitz−type protease inhibitor 1

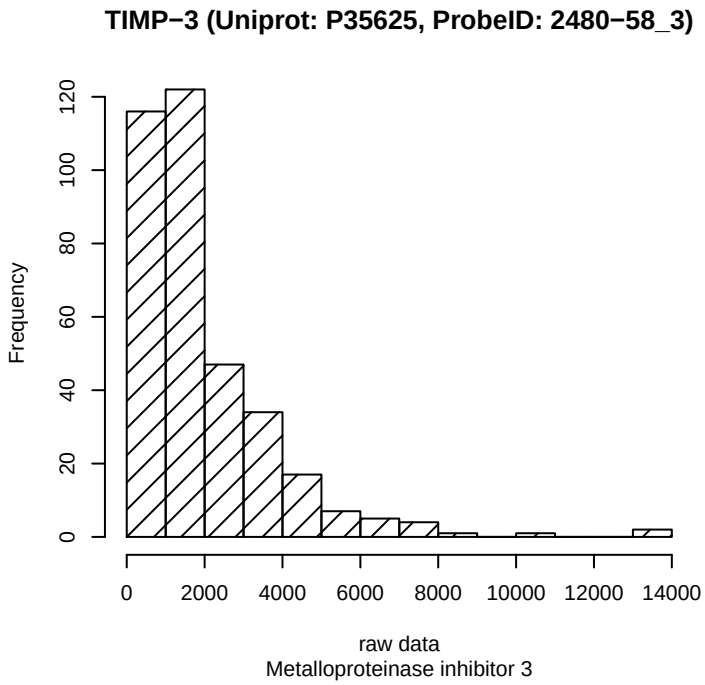

HAI−1 (Uniprot: O43278, ProbeID: 2828−82_2)
raw data
5000
10000
15000
20000
G/G (134)
G/A (162)
A/A (56)
rs12127091 (Chr1:39339449)
Locus 192 top sentinel (tags KORA rs4494114), p=8.5e−09

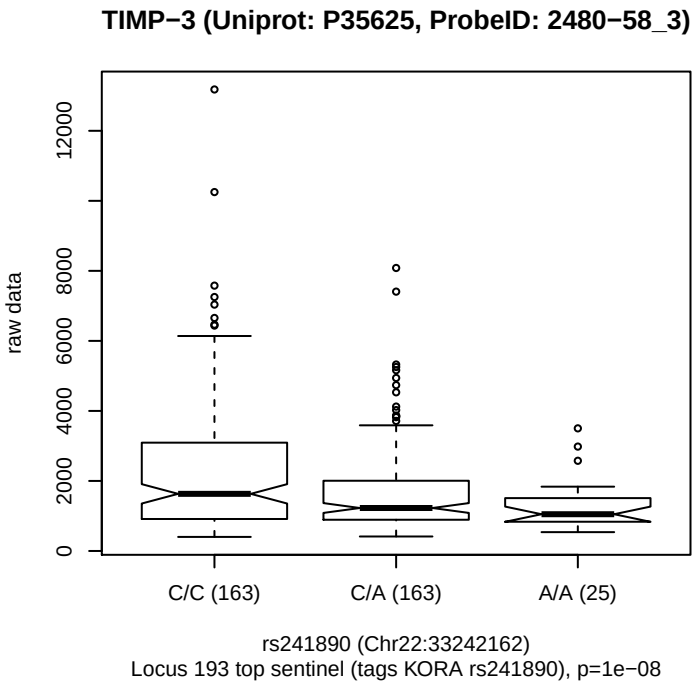

HAI−1 (Uniprot: O43278, ProbeID: 2828−82_2)
Frequency
0
20
40
60
80
100
120
11
12
13
14
log2−scaled data
Kunitz−type protease inhibitor 1

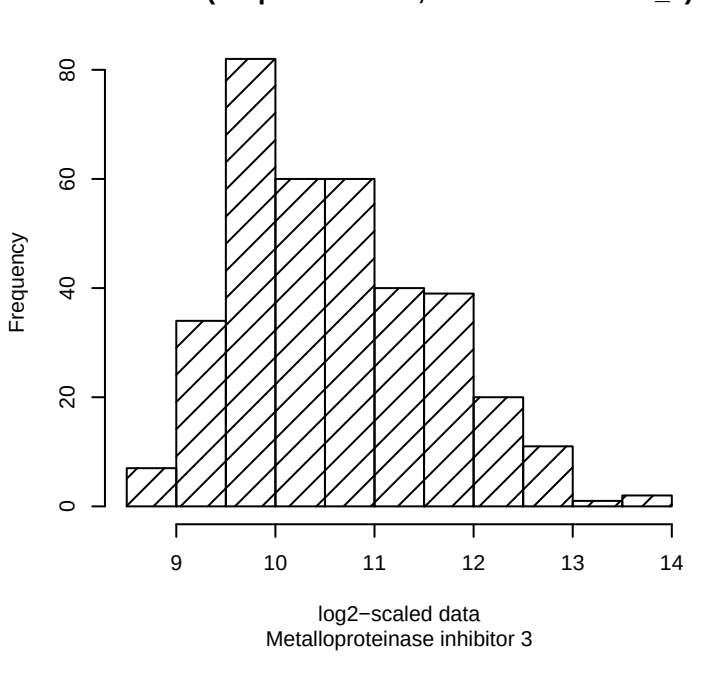

HAI−1 (Uniprot: O43278, ProbeID: 2828−82_2)
log2−scaled data
11
12
13
14
G/G (134)
G/A (162)
A/A (56)
rs12127091 (Chr1:39339449)
Locus 192 top sentinel (tags KORA rs4494114), p=1.1e−08, FC=−1.1363

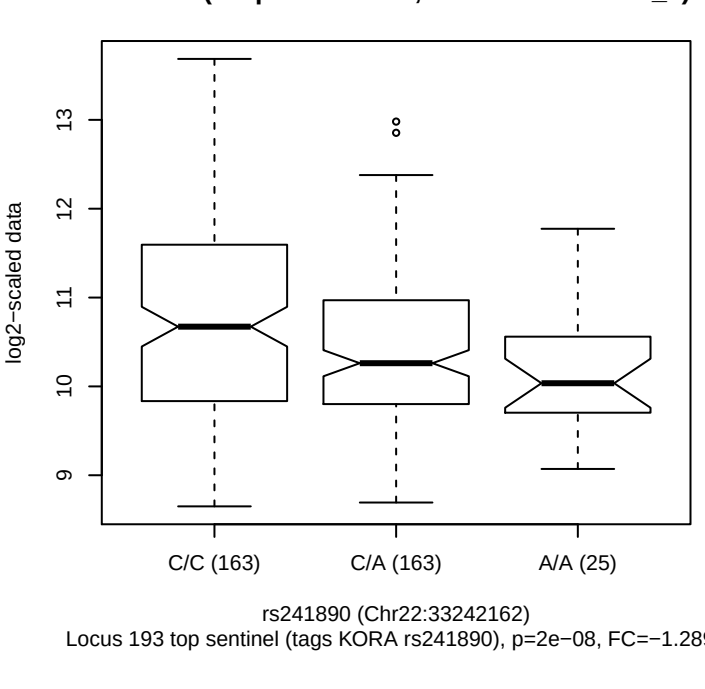

HAI−1 (Uniprot: O43278, ProbeID: 2828−82_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Kunitz−type protease inhibitor 1

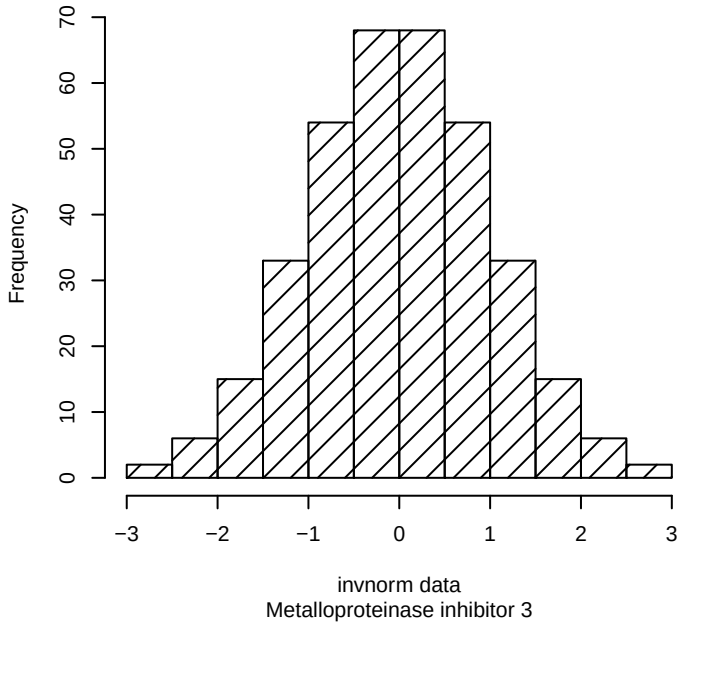

HAI−1 (Uniprot: O43278, ProbeID: 2828−82_2)
invnorm data
−2
−1
0
1
2
G/G (134)
G/A (162)
A/A (56)
rs12127091 (Chr1:39339449)
Locus 192 top sentinel (tags KORA rs4494114), p=4.2e−09

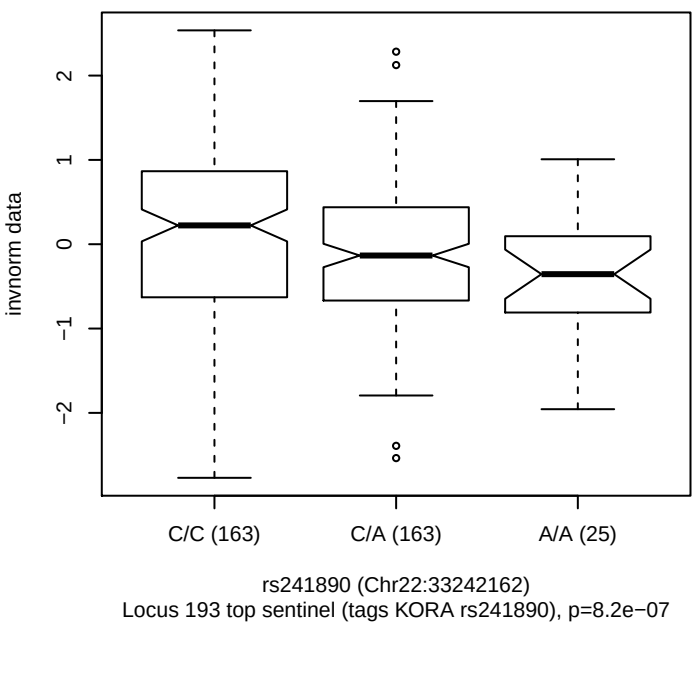

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
Frequency
0
20
40
60
80
100
120
0
2000
4000
6000
8000
10000
12000
14000
raw data
Metalloproteinase inhibitor 3

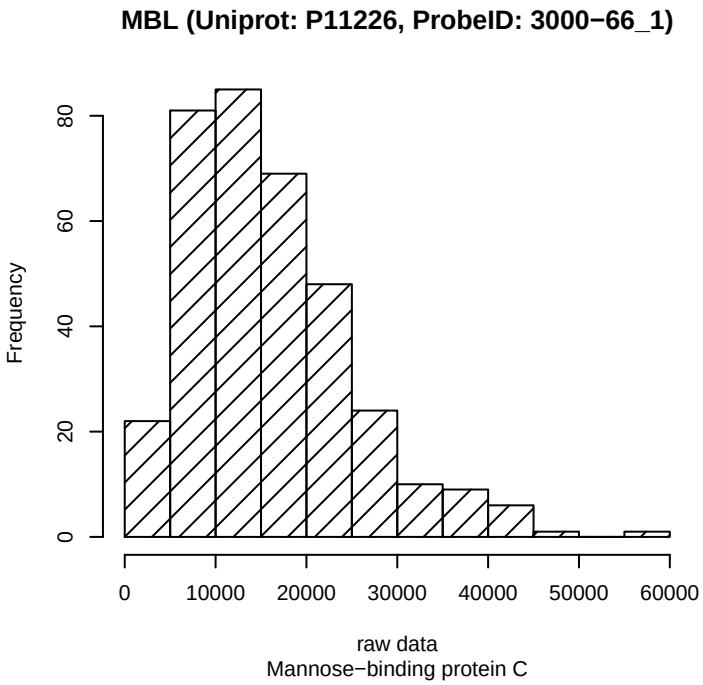

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
raw data
0
2000
4000
6000
8000
12000
C/C (163)
C/A (163)
A/A (25)
rs241890 (Chr22:33242162)
Locus 193 top sentinel (tags KORA rs241890), p=1e−08

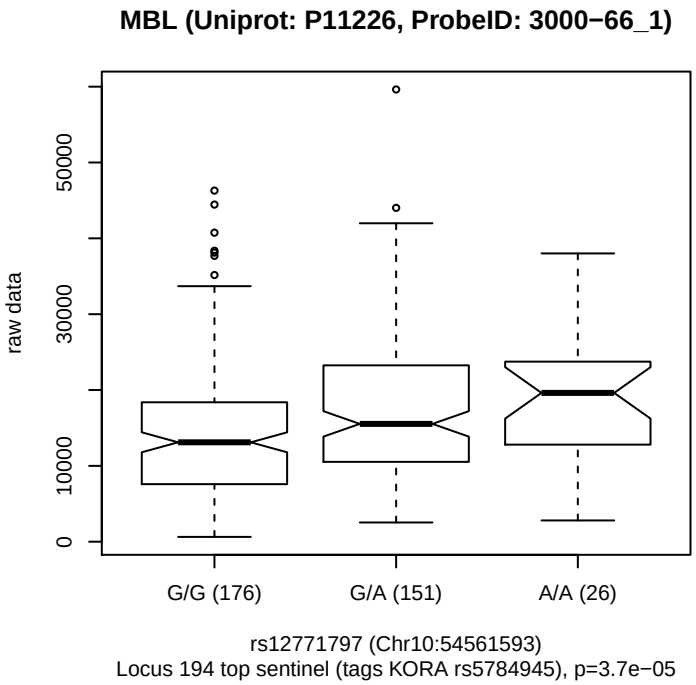

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
Frequency
0
20
40
60
80
9
10
11
12
13
14
log2−scaled data
Metalloproteinase inhibitor 3

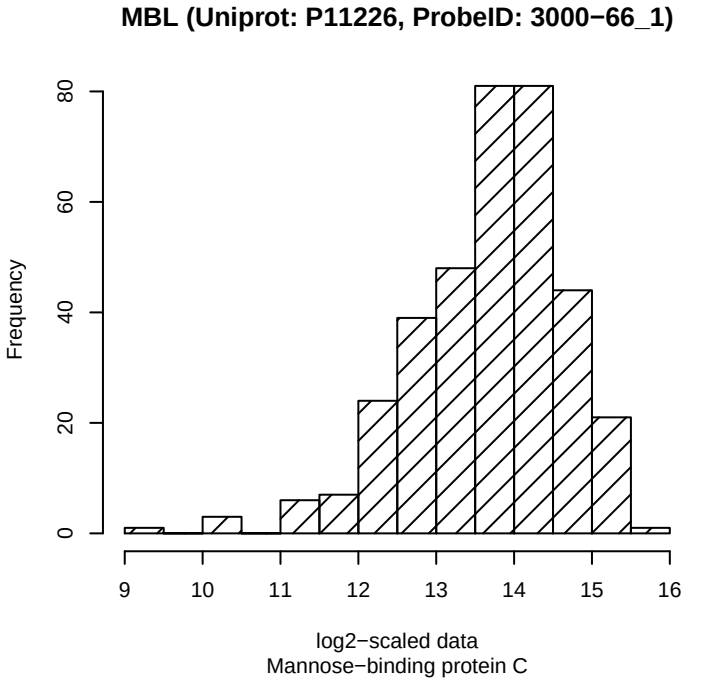

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
log2−scaled data
9
10
11
12
13
C/C (163)
C/A (163)
A/A (25)
rs241890 (Chr22:33242162)
Locus 193 top sentinel (tags KORA rs241890), p=2e−08, FC=−1.2894

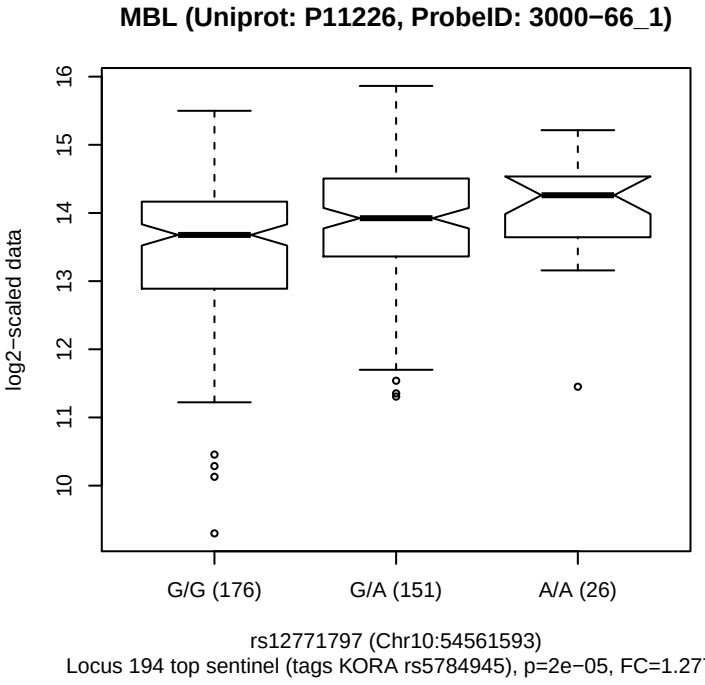

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Metalloproteinase inhibitor 3

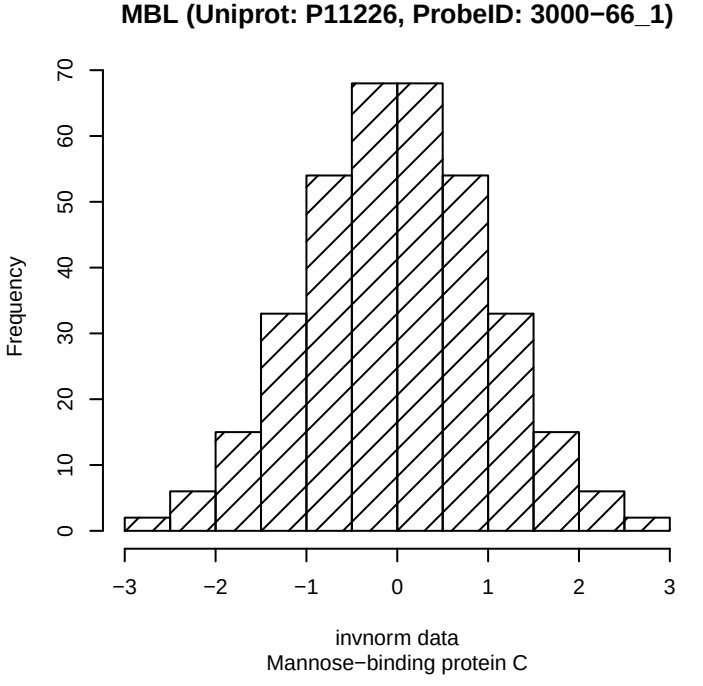

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
invnorm data
−2
−1
0
1
2
C/C (163)
C/A (163)
A/A (25)
rs241890 (Chr22:33242162)
Locus 193 top sentinel (tags KORA rs241890), p=8.2e−07

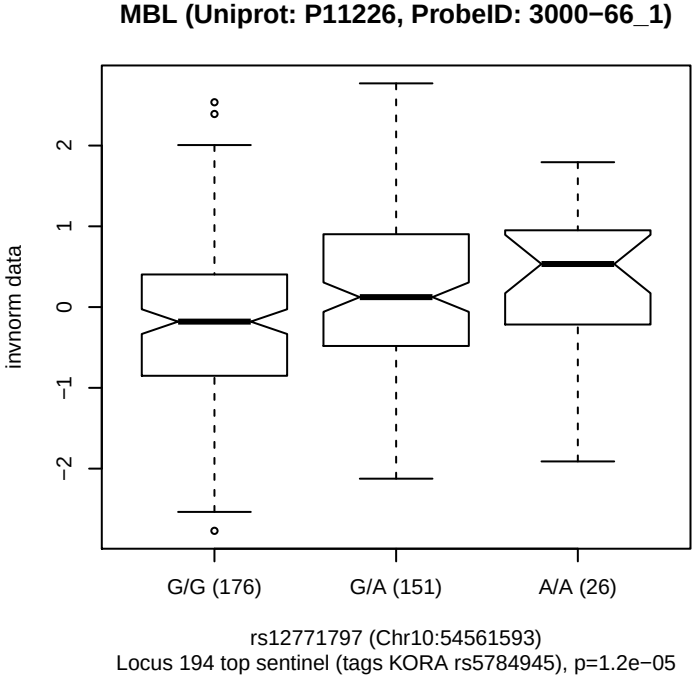

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
Frequency
0
20
40
60
80
0
10000
20000
30000
40000
50000
60000
raw data
Mannose−binding protein C

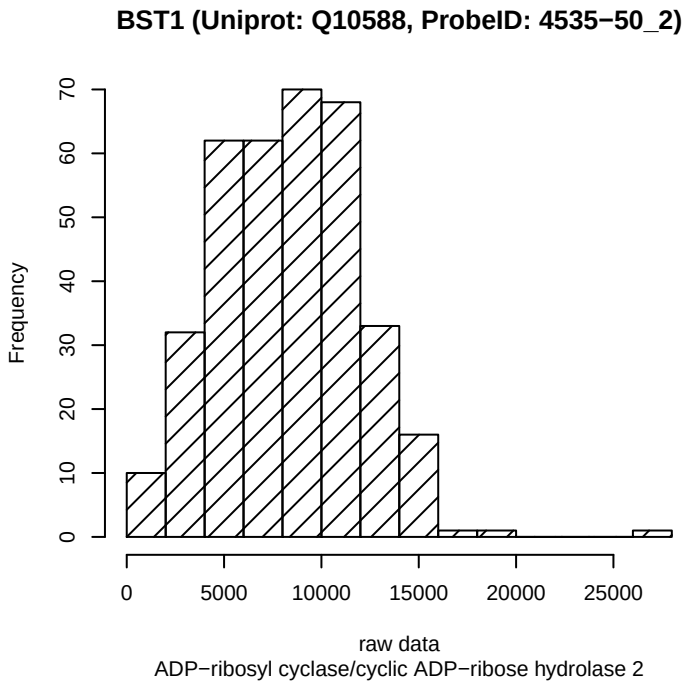

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
raw data
0
10000
30000
50000
G/G (176)
G/A (151)
A/A (26)
rs12771797 (Chr10:54561593)
Locus 194 top sentinel (tags KORA rs5784945), p=3.7e−05

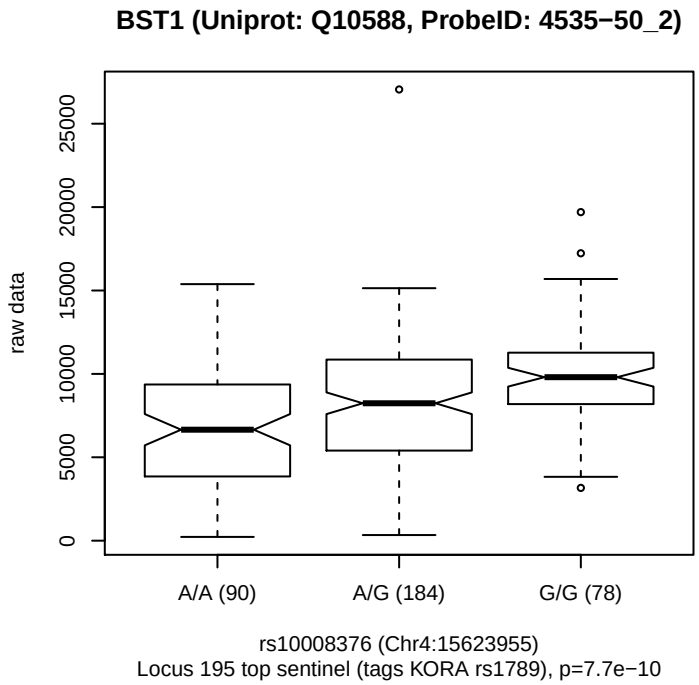

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
Frequency
0
20
40
60
80
9
10
11
12
13
14
15
16
log2−scaled data
Mannose−binding protein C

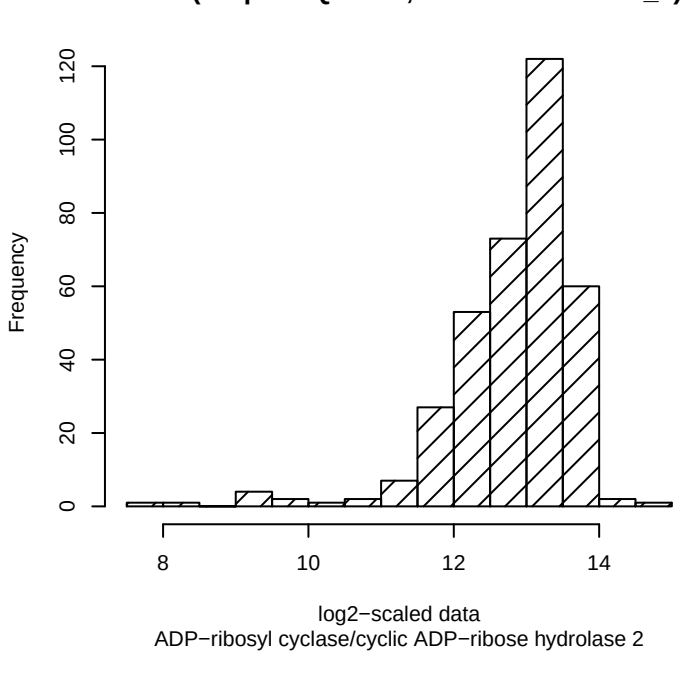

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
log2−scaled data
10
11
12
13
14
15
16
G/G (176)
G/A (151)
A/A (26)
rs12771797 (Chr10:54561593)
Locus 194 top sentinel (tags KORA rs5784945), p=2e−05, FC=1.2771

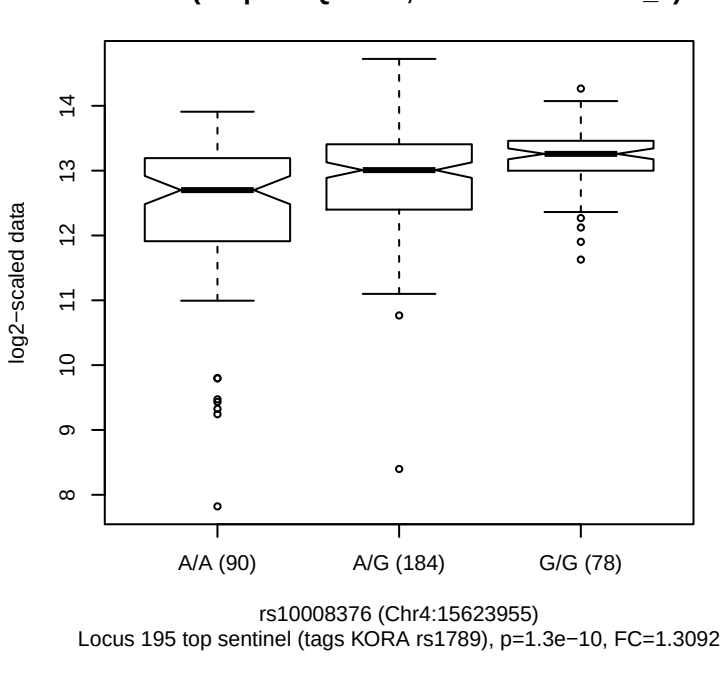

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Mannose−binding protein C

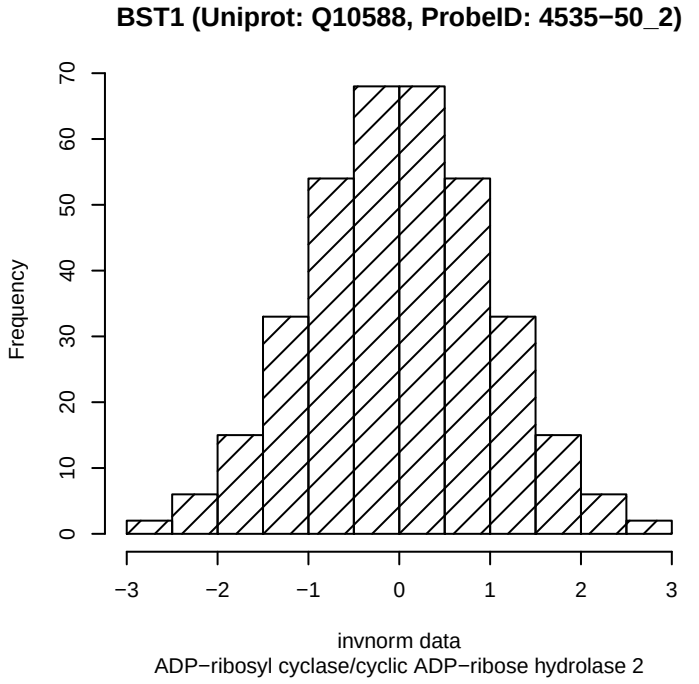

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
invnorm data
−2
−1
0
1
2
G/G (176)
G/A (151)
A/A (26)
rs12771797 (Chr10:54561593)
Locus 194 top sentinel (tags KORA rs5784945), p=1.2e−05

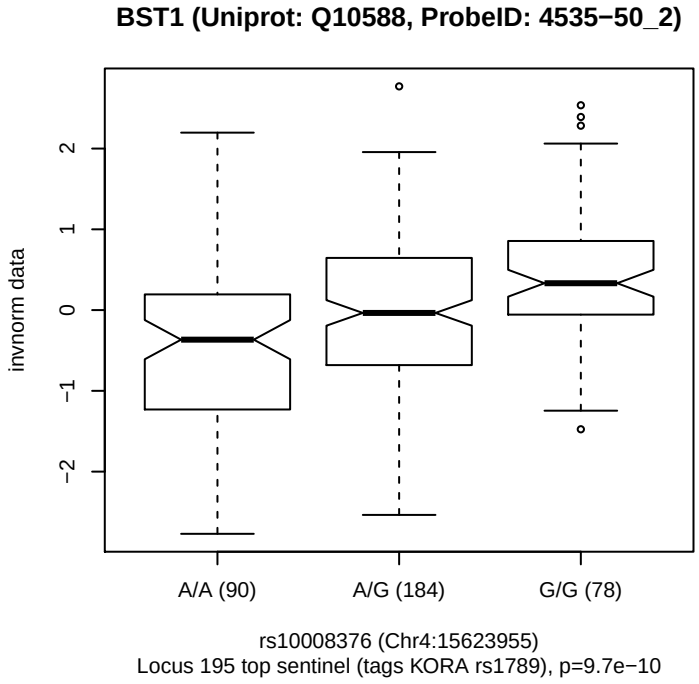

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
Frequency
raw data
ADP−ribosyl cyclase/cyclic ADP−ribose hydrolase 2

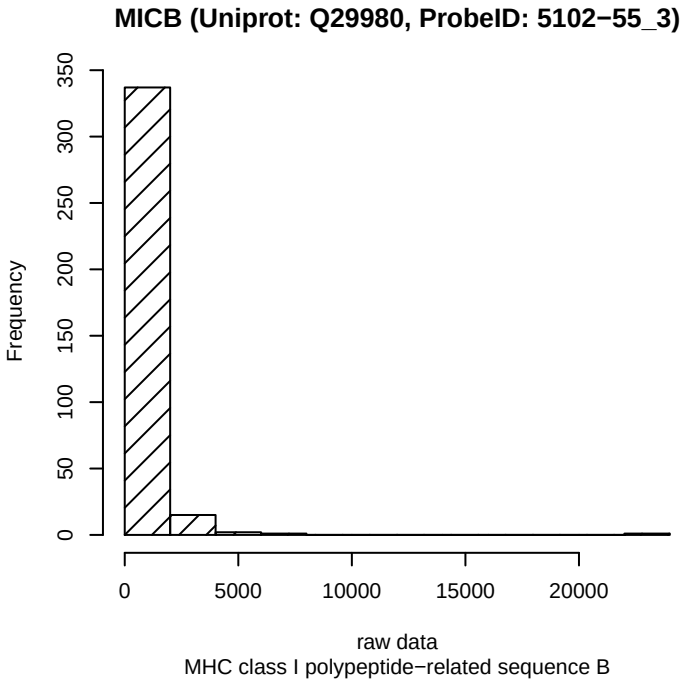

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
raw data
A/A (90)
A/G (184)
G/G (78)
rs10008376 (Chr4:15623955)
Locus 195 top sentinel (tags KORA rs1789), p=7.7e−10

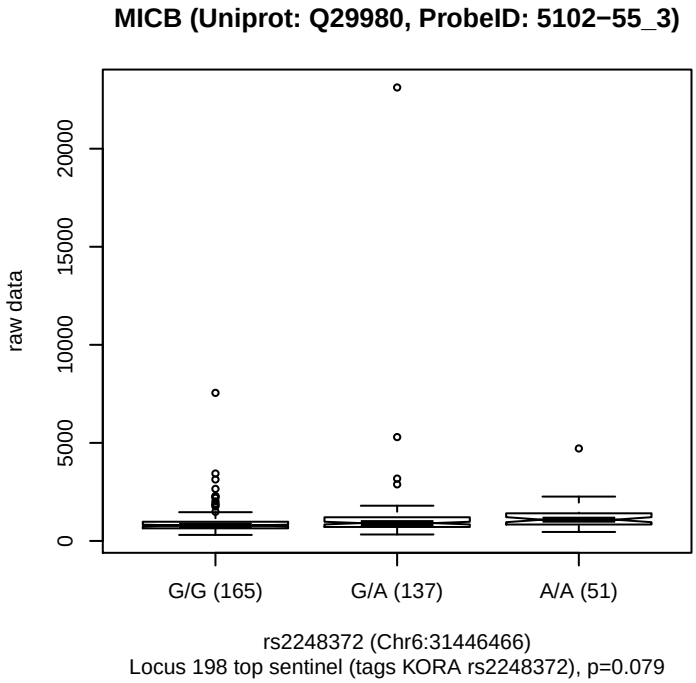

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
Frequency
log2−scaled data
ADP−ribosyl cyclase/cyclic ADP−ribose hydrolase 2

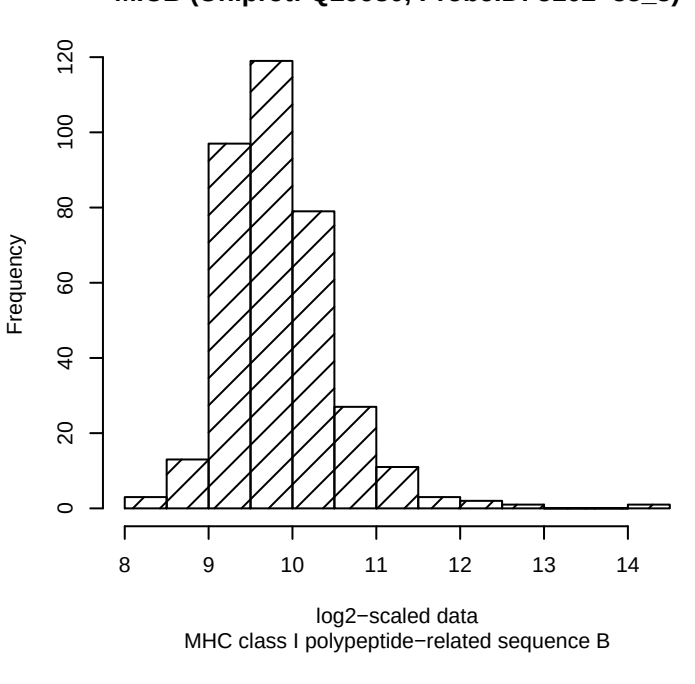

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
log2−scaled data
A/A (90)
A/G (184)
G/G (78)
rs10008376 (Chr4:15623955)
Locus 195 top sentinel (tags KORA rs1789), p=1.3e−10, FC=1.3092

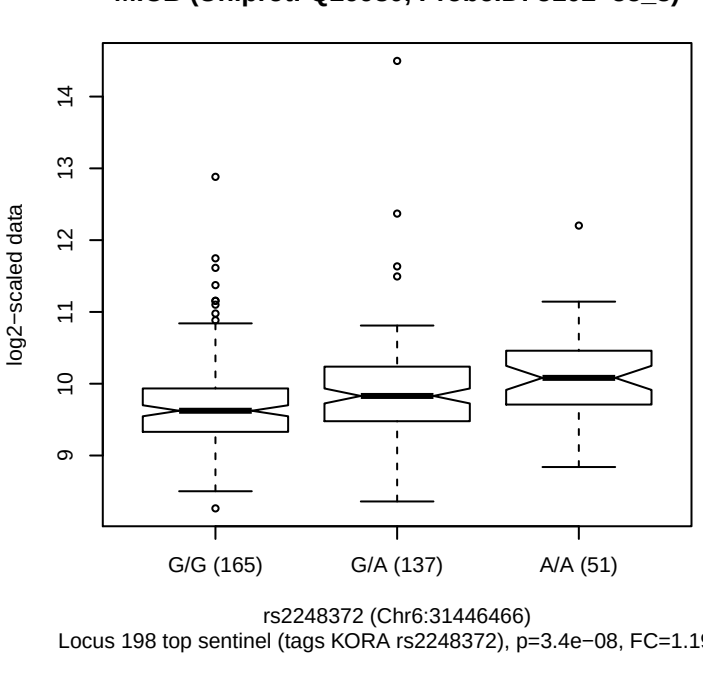

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
Frequency
invnorm data
ADP−ribosyl cyclase/cyclic ADP−ribose hydrolase 2

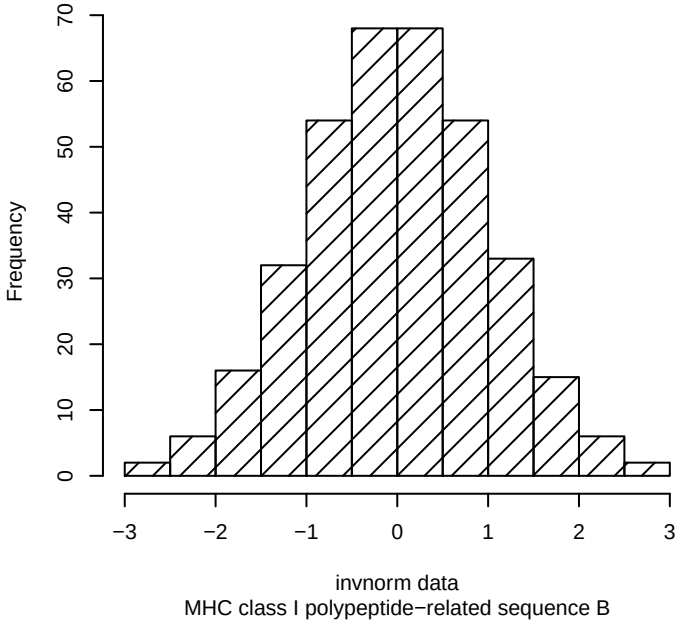

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
invnorm data
A/A (90)
A/G (184)
G/G (78)
rs10008376 (Chr4:15623955)
Locus 195 top sentinel (tags KORA rs1789), p=9.7e−10

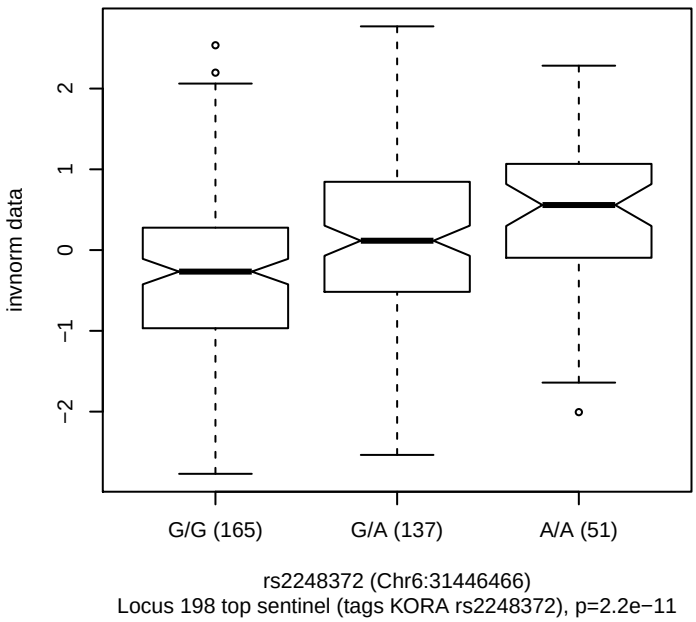

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
50
100
150
200
250
300
350
0
5000
10000
15000
20000
raw data
MHC class I polypeptide−related sequence B

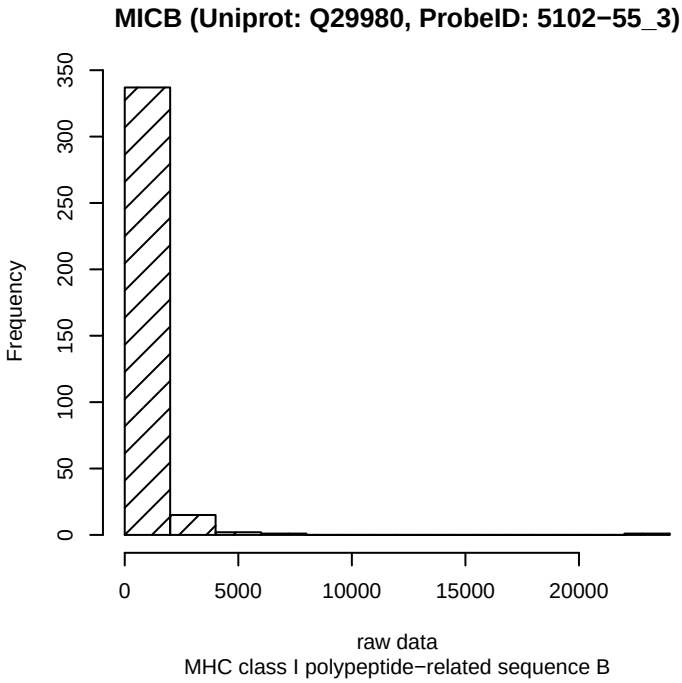

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
raw data
0
5000
10000
15000
20000
G/G (165)
G/A (137)
A/A (51)
rs2248372 (Chr6:31446466)
Locus 198 top sentinel (tags KORA rs2248372), p=0.079

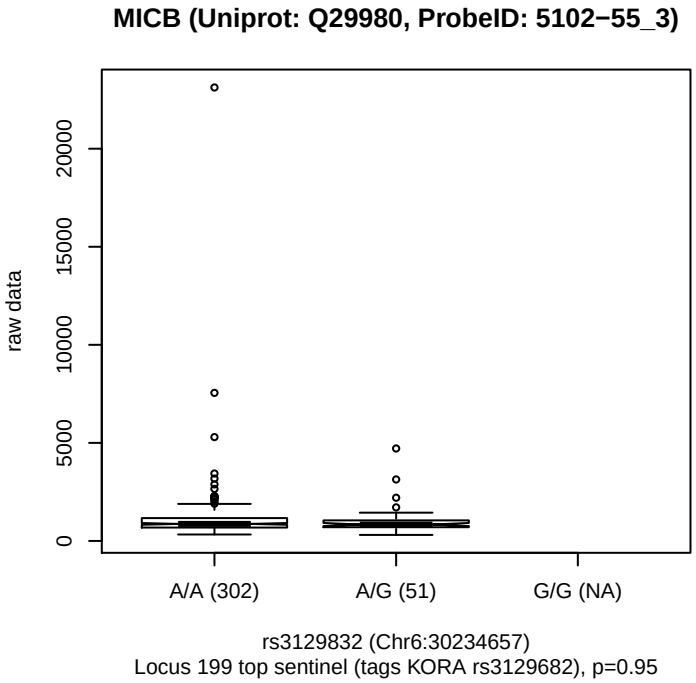

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
20
40
60
80
100
120
8
9
10
11
12
13
14
log2−scaled data
MHC class I polypeptide−related sequence B

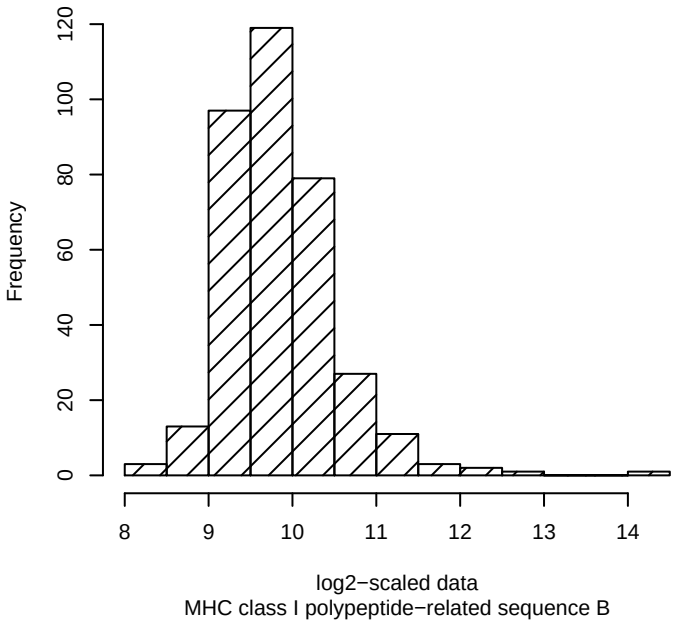

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
log2−scaled data
9
10
11
12
13
14
G/G (165)
G/A (137)
A/A (51)
rs2248372 (Chr6:31446466)
Locus 198 top sentinel (tags KORA rs2248372), p=3.4e−08, FC=1.1921

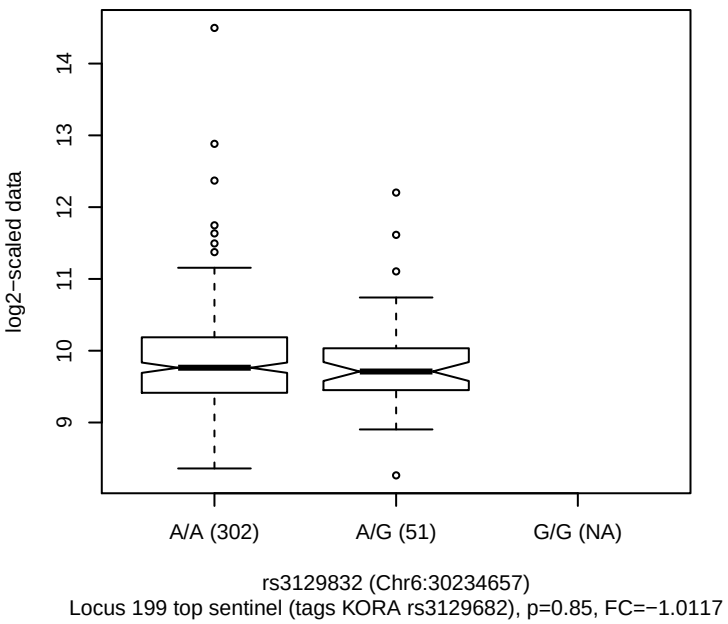

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence B

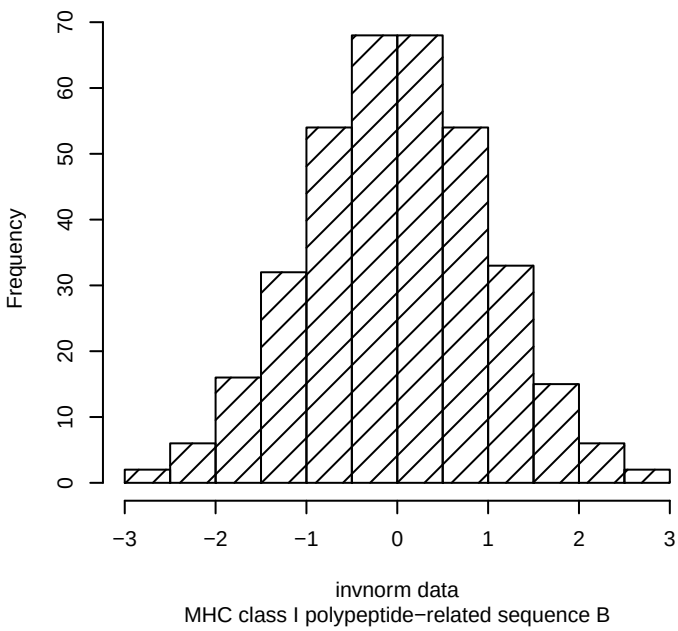

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
invnorm data
−2
−1
0
1
2
G/G (165)
G/A (137)
A/A (51)
rs2248372 (Chr6:31446466)
Locus 198 top sentinel (tags KORA rs2248372), p=2.2e−11

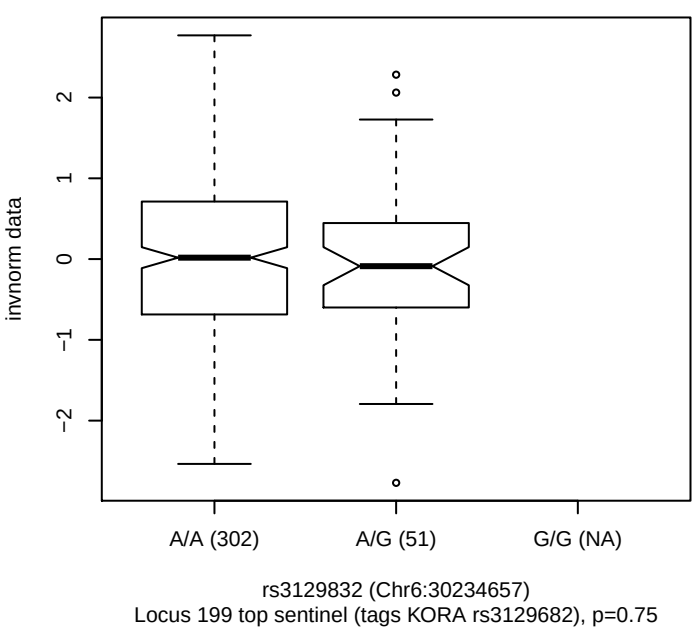

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
50
100
150
200
250
300
350
0
5000
10000
15000
20000
raw data
MHC class I polypeptide−related sequence B

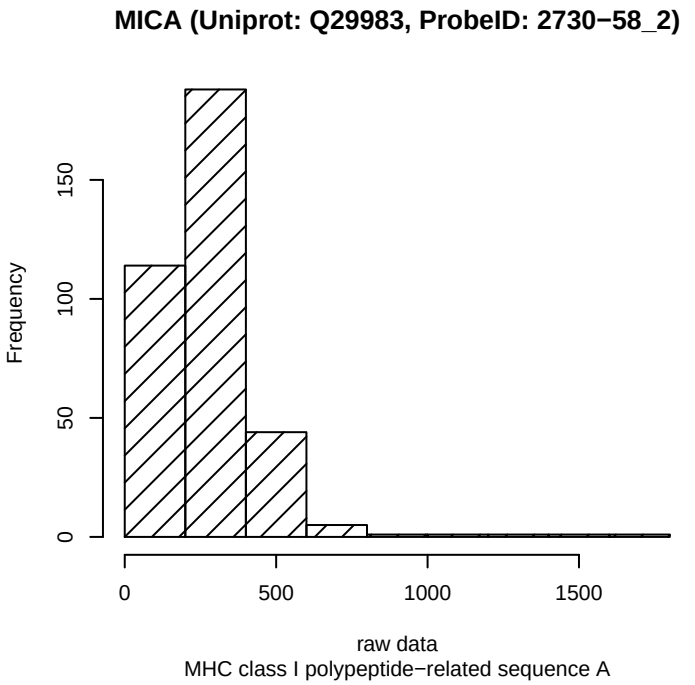

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
raw data
0
5000
10000
15000
20000
A/A (302)
A/G (51)
G/G (NA)
rs3129832 (Chr6:30234657)
Locus 199 top sentinel (tags KORA rs3129682), p=0.95

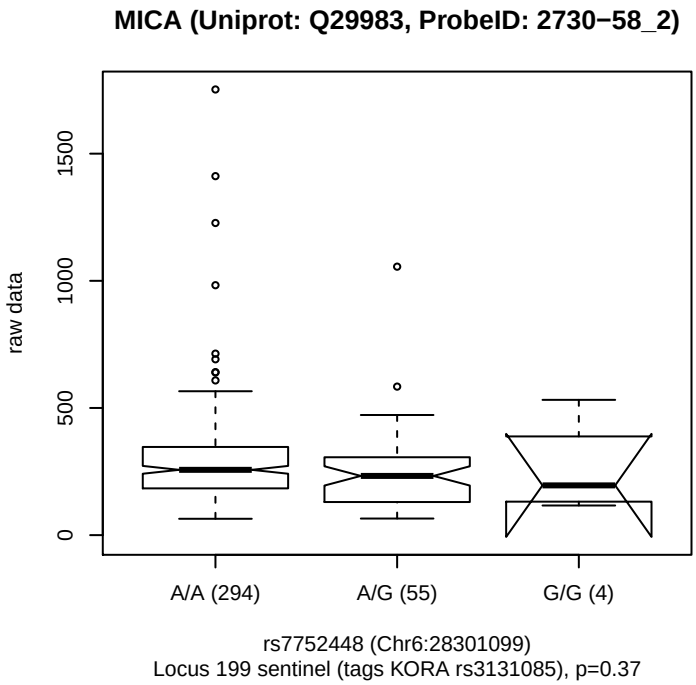

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
20
40
60
80
100
120
8
9
10
11
12
13
14
log2−scaled data
MHC class I polypeptide−related sequence B

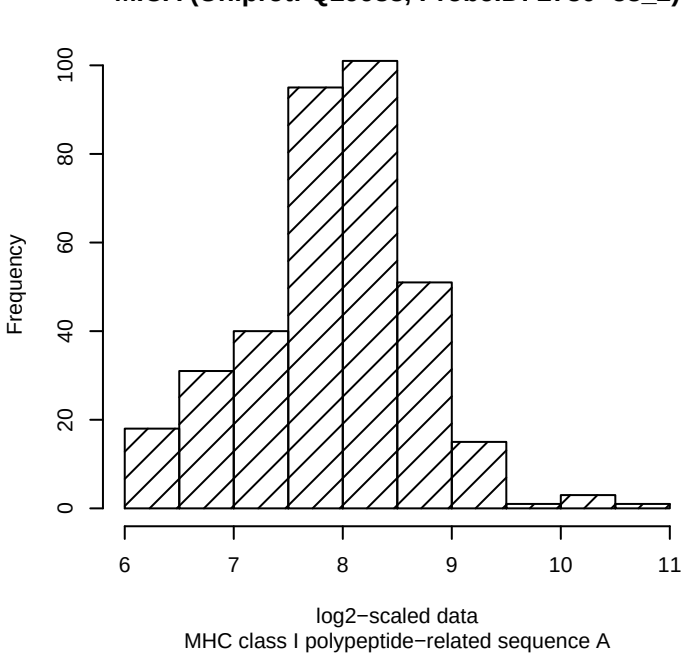

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
log2−scaled data
9
10
11
12
13
14
A/A (302)
A/G (51)
G/G (NA)
rs3129832 (Chr6:30234657)
Locus 199 top sentinel (tags KORA rs3129682), p=0.85, FC=−1.0117

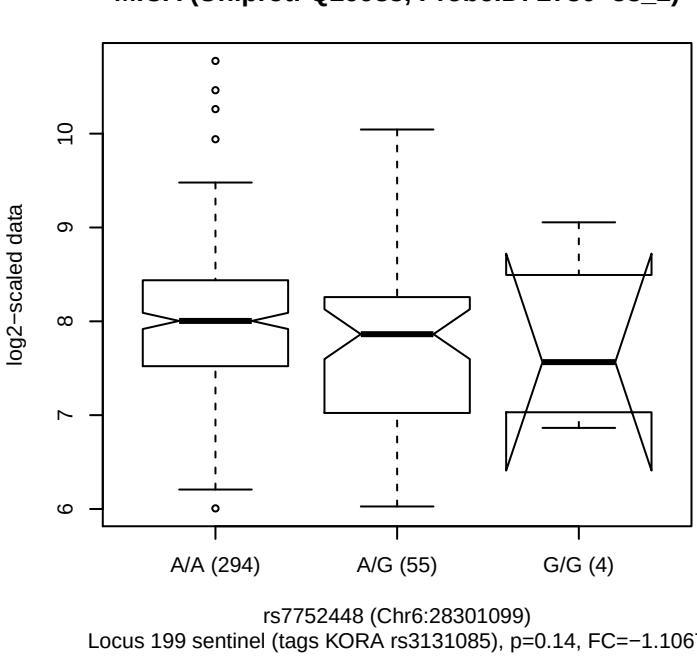

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence B

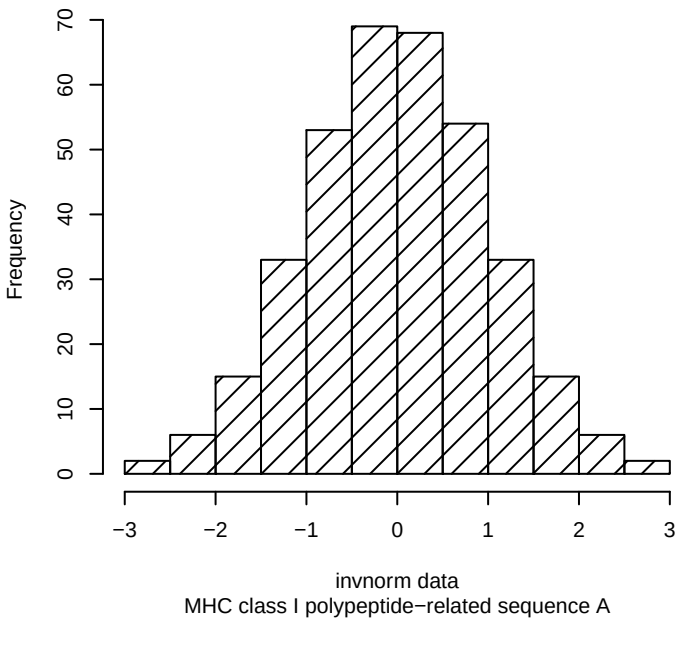

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
invnorm data
−2
−1
0
1
2
A/A (302)
A/G (51)
G/G (NA)
rs3129832 (Chr6:30234657)
Locus 199 top sentinel (tags KORA rs3129682), p=0.75

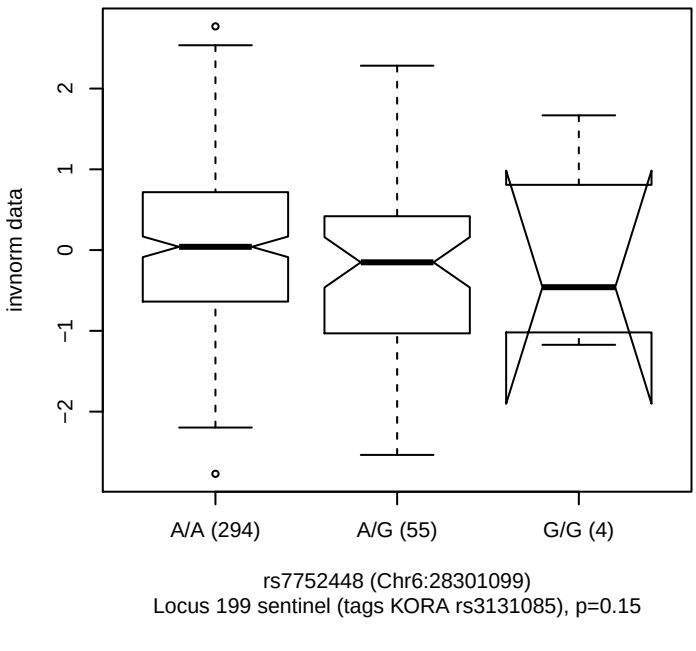

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
0
500
1000
1500
raw data
MHC class I polypeptide−related sequence A

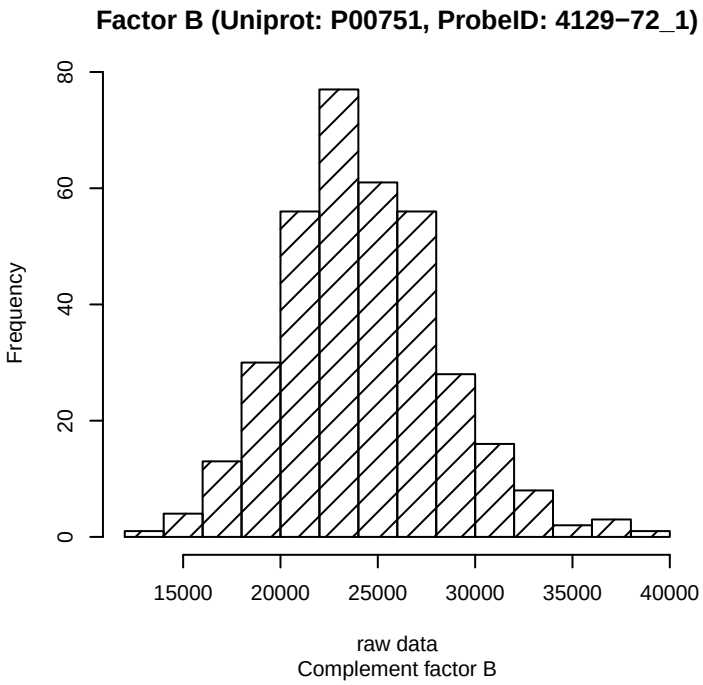

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
raw data
0
500
1000
1500
A/A (294)
A/G (55)
G/G (4)
rs7752448 (Chr6:28301099)
Locus 199 sentinel (tags KORA rs3131085), p=0.37

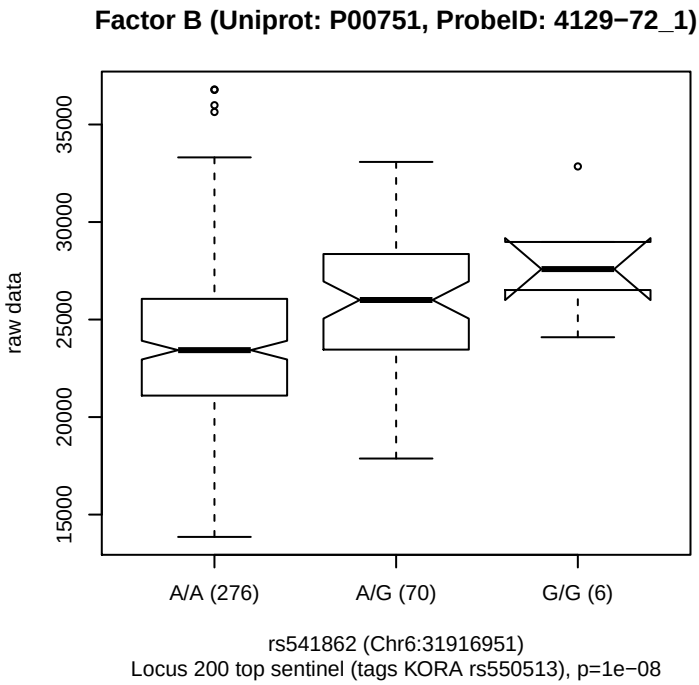

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
20
40
60
80
100
6
7
8
9
10
11
log2−scaled data
MHC class I polypeptide−related sequence A

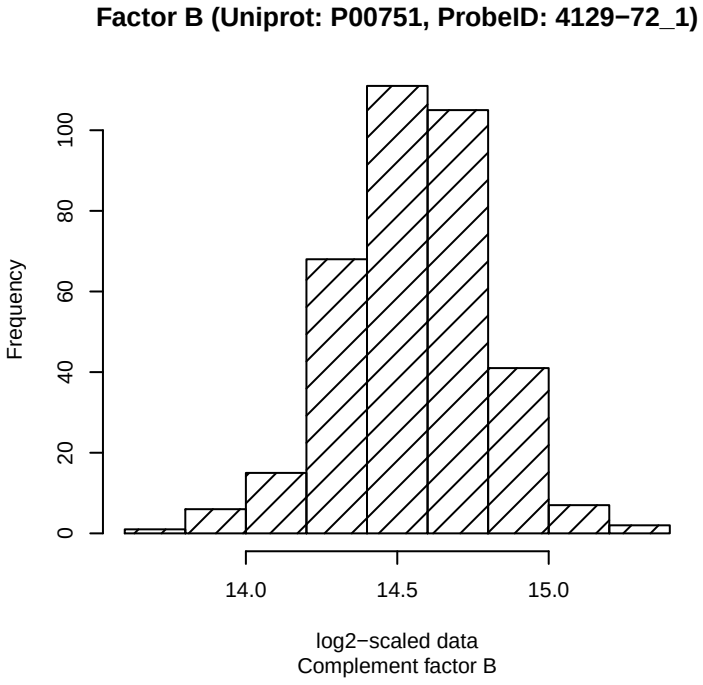

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
log2−scaled data
6
7
8
9
10
A/A (294)
A/G (55)
G/G (4)
rs7752448 (Chr6:28301099)
Locus 199 sentinel (tags KORA rs3131085), p=0.14, FC=−1.1067

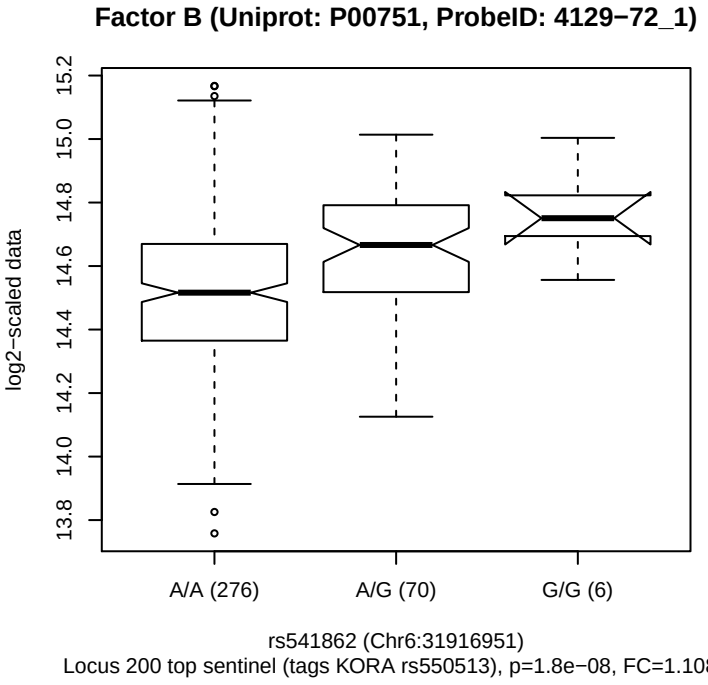

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence A

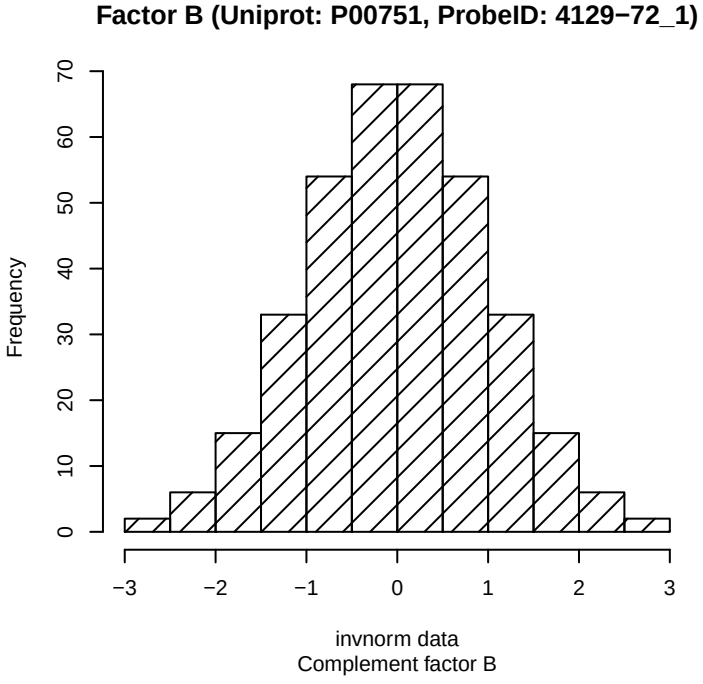

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
invnorm data
−2
−1
0
1
2
A/A (294)
A/G (55)
G/G (4)
rs7752448 (Chr6:28301099)
Locus 199 sentinel (tags KORA rs3131085), p=0.15

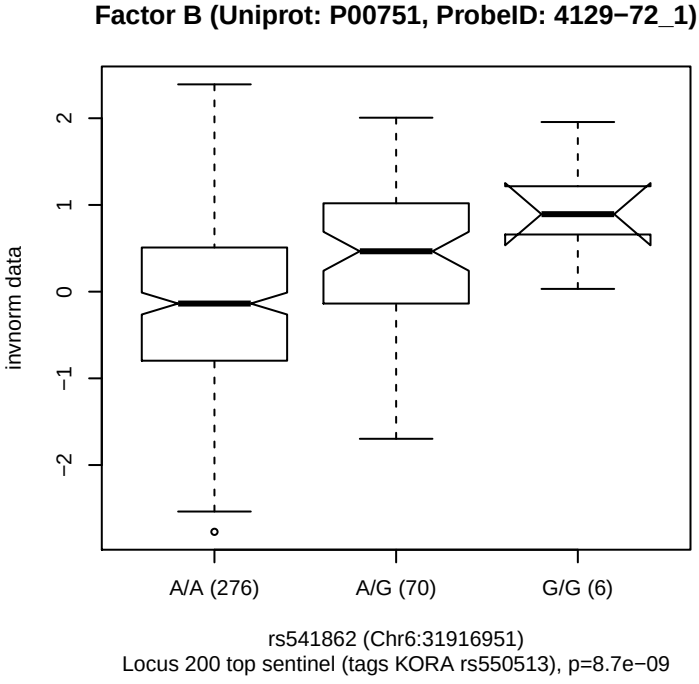

Factor B (Uniprot: P00751, ProbeID: 4129−72_1)
Frequency
0
20
40
60
80
15000
20000
25000
30000
35000
40000
raw data
Complement factor B

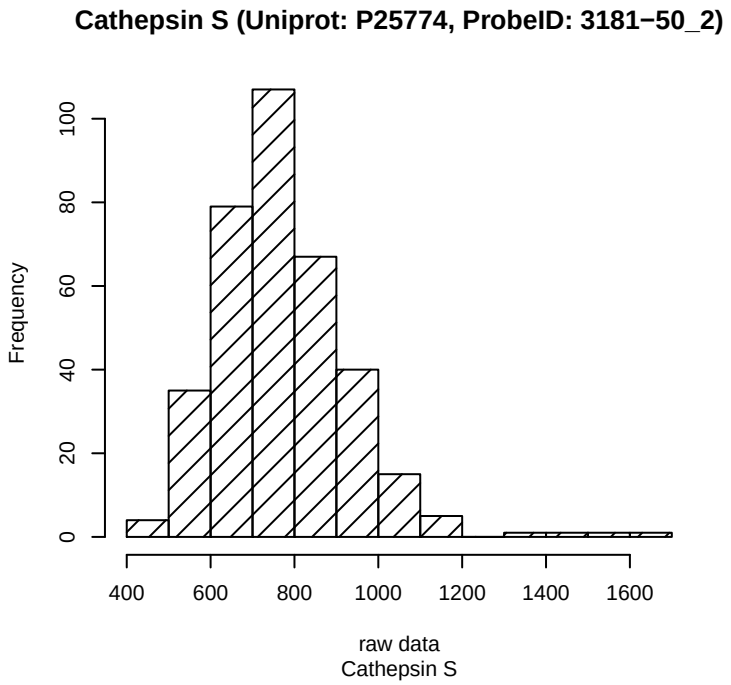

Factor B (Uniprot: P00751, ProbeID: 4129−72_1)
raw data
15000
20000
25000
30000
35000
A/A (276)
A/G (70)
G/G (6)
rs541862 (Chr6:31916951)
Locus 200 top sentinel (tags KORA rs550513), p=1e−08

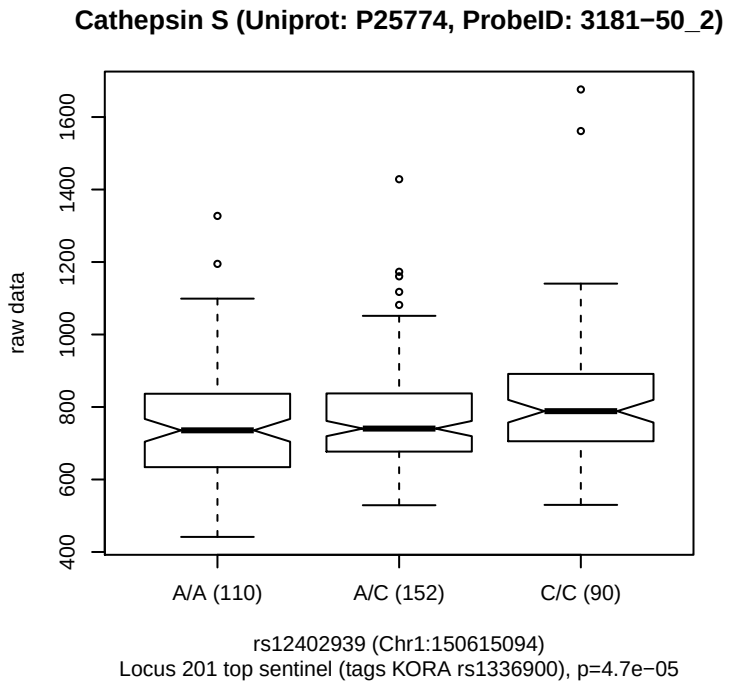

Factor B (Uniprot: P00751, ProbeID: 4129−72_1)
Frequency
0
20
40
60
80
100
14.0
14.5
15.0
log2−scaled data
Complement factor B

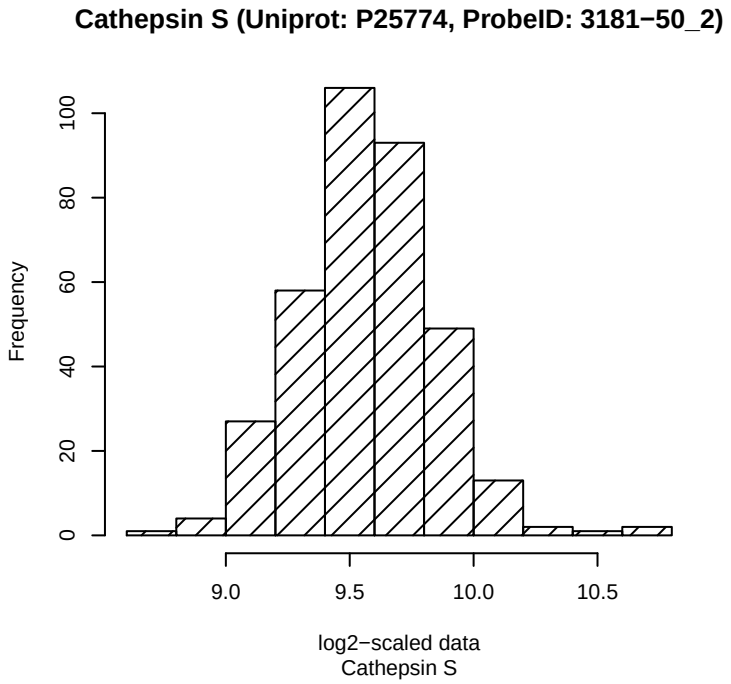

Factor B (Uniprot: P00751, ProbeID: 4129−72_1)
log2−scaled data
13.8
14.0
14.2
14.4
14.6
14.8
15.0
15.2
A/A (276)
A/G (70)
G/G (6)
rs541862 (Chr6:31916951)
Locus 200 top sentinel (tags KORA rs550513), p=1.8e−08, FC=1.1084

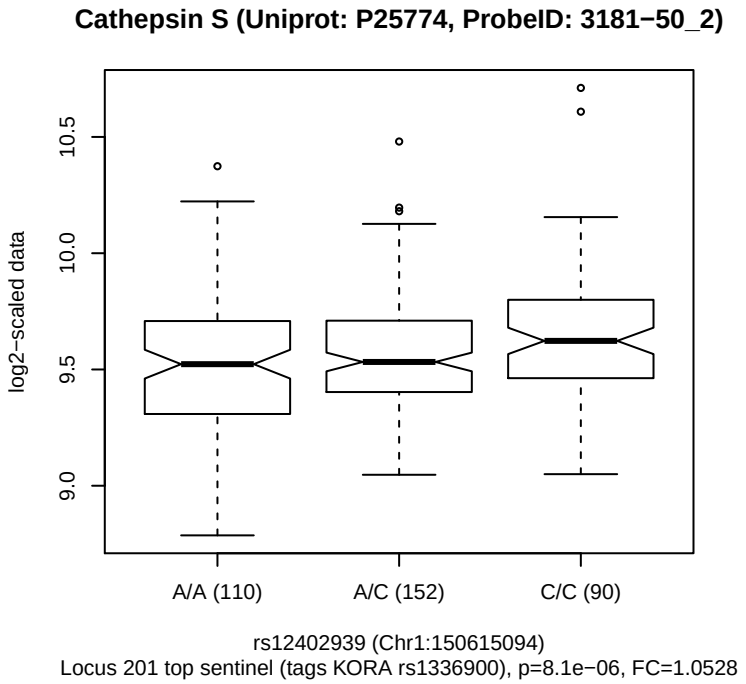

Factor B (Uniprot: P00751, ProbeID: 4129−72_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Complement factor B

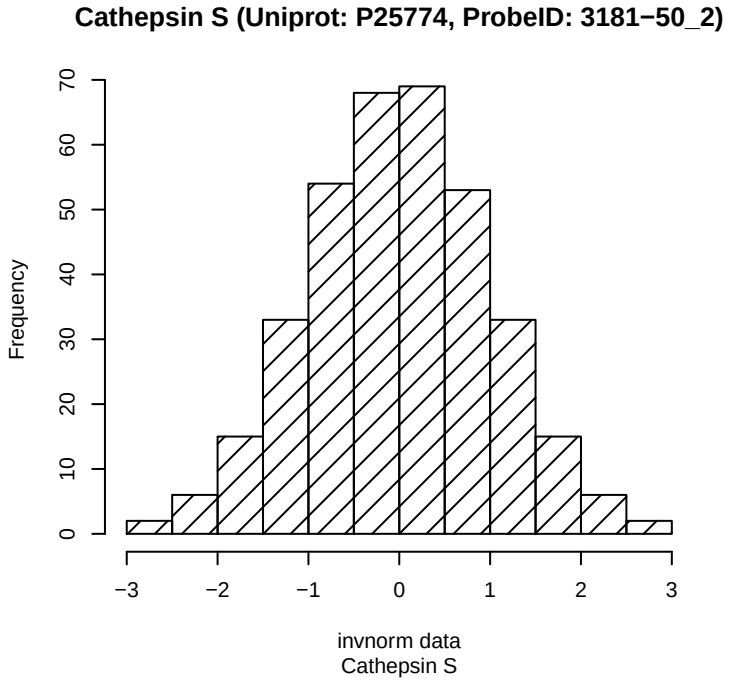

Factor B (Uniprot: P00751, ProbeID: 4129−72_1)
invnorm data
−2
−1
0
1
2
A/A (276)
A/G (70)
G/G (6)
rs541862 (Chr6:31916951)
Locus 200 top sentinel (tags KORA rs550513), p=8.7e−09

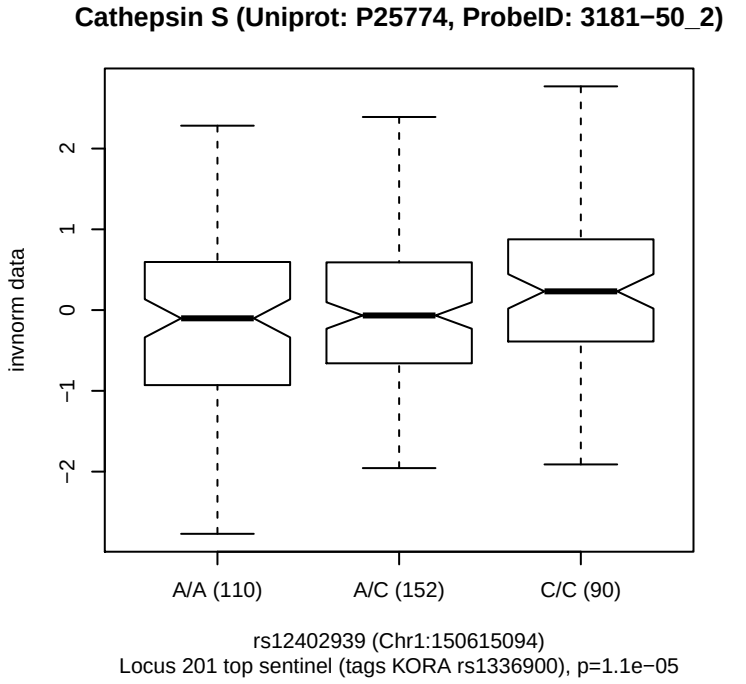

Cathepsin S (Uniprot: P25774, ProbeID: 3181−50_2)
Frequency
0
20
40
60
80
100
400
600
800
1000
1200
1400
1600
raw data
Cathepsin S

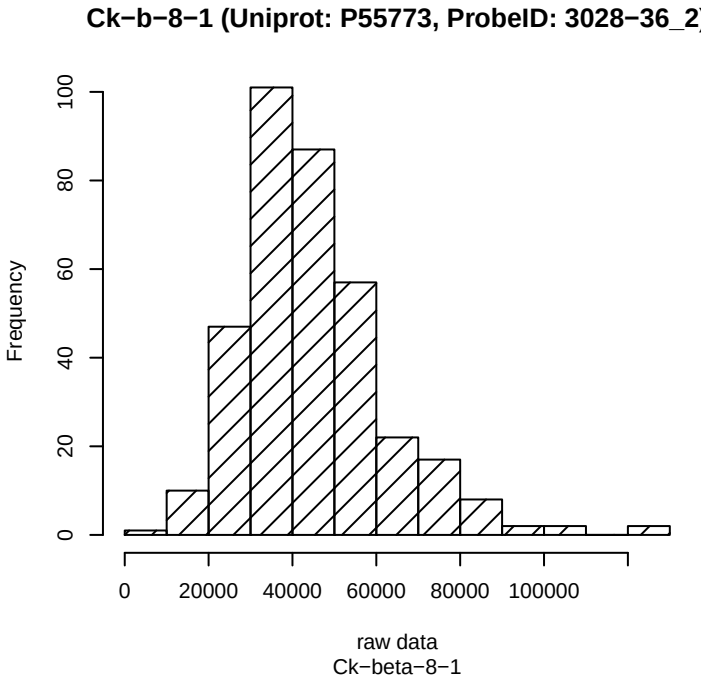

Cathepsin S (Uniprot: P25774, ProbeID: 3181−50_2)
raw data
400
600
800
1000
1200
1400
1600
A/A (110)
A/C (152)
C/C (90)
rs12402939 (Chr1:150615094)
Locus 201 top sentinel (tags KORA rs1336900), p=4.7e−05

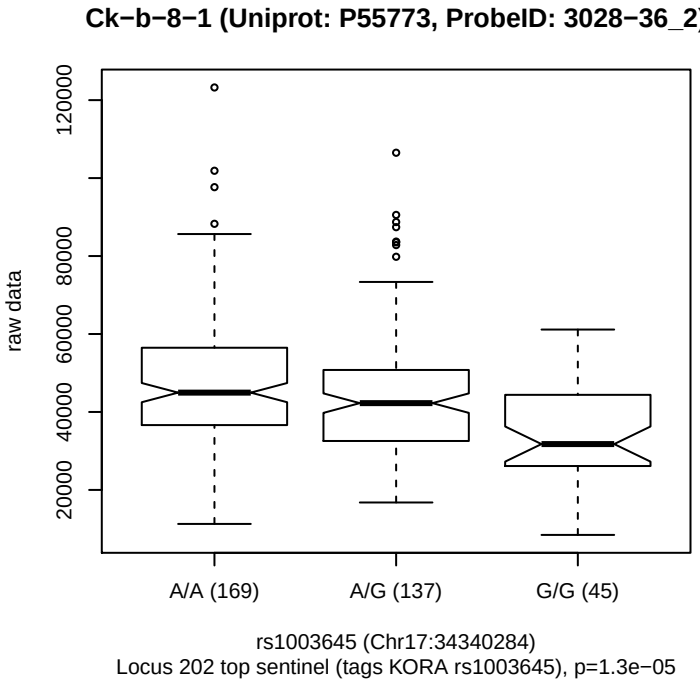

Cathepsin S (Uniprot: P25774, ProbeID: 3181−50_2)
Frequency
0
20
40
60
80
100
9.0
9.5
10.0
10.5
log2−scaled data
Cathepsin S

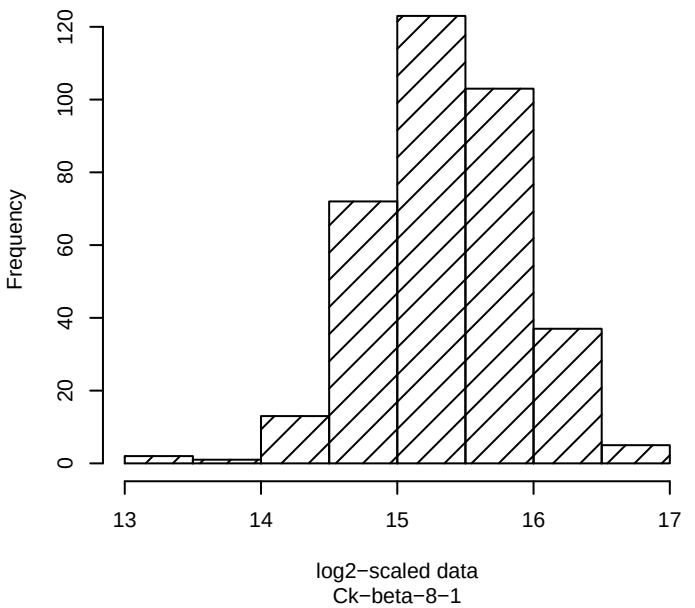

Cathepsin S (Uniprot: P25774, ProbeID: 3181−50_2)
log2−scaled data
9.0
9.5
10.0
10.5
A/A (110)
A/C (152)
C/C (90)
rs12402939 (Chr1:150615094)
Locus 201 top sentinel (tags KORA rs1336900), p=8.1e−06, FC=1.0528

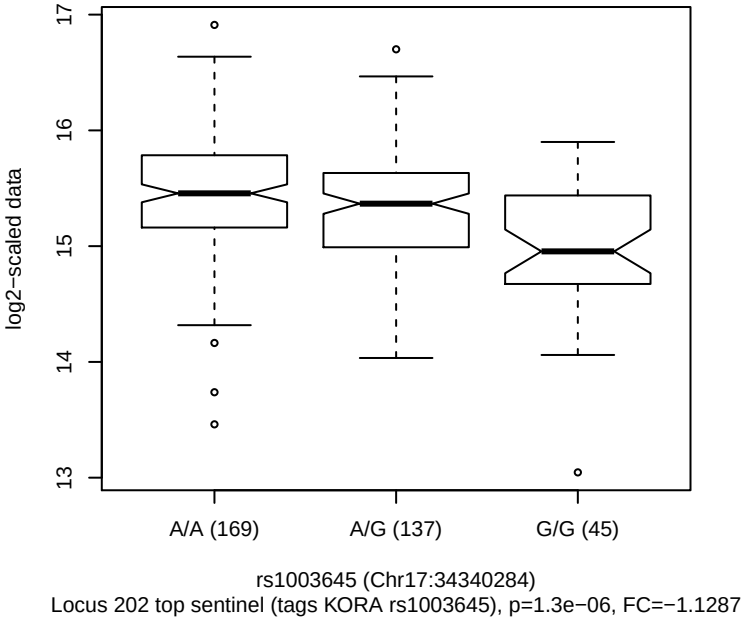

Cathepsin S (Uniprot: P25774, ProbeID: 3181−50_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Cathepsin S

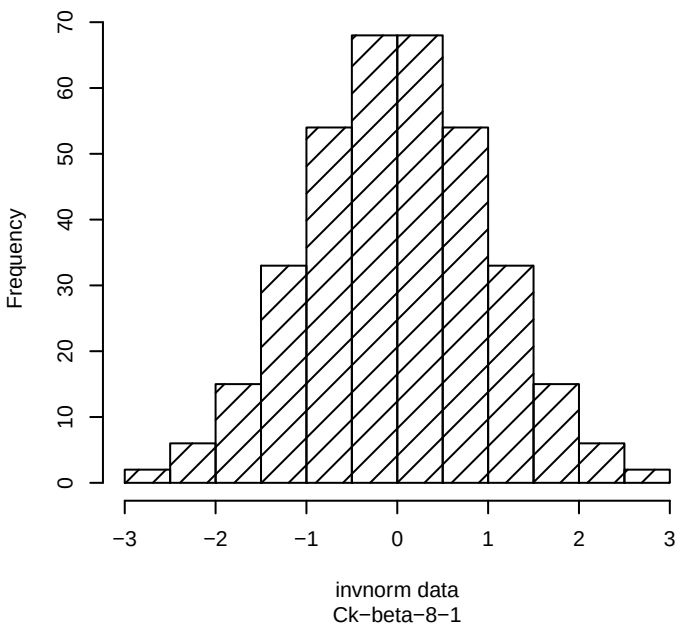

Cathepsin S (Uniprot: P25774, ProbeID: 3181−50_2)
invnorm data
−2
−1
0
1
2
A/A (110)
A/C (152)
C/C (90)
rs12402939 (Chr1:150615094)
Locus 201 top sentinel (tags KORA rs1336900), p=1.1e−05

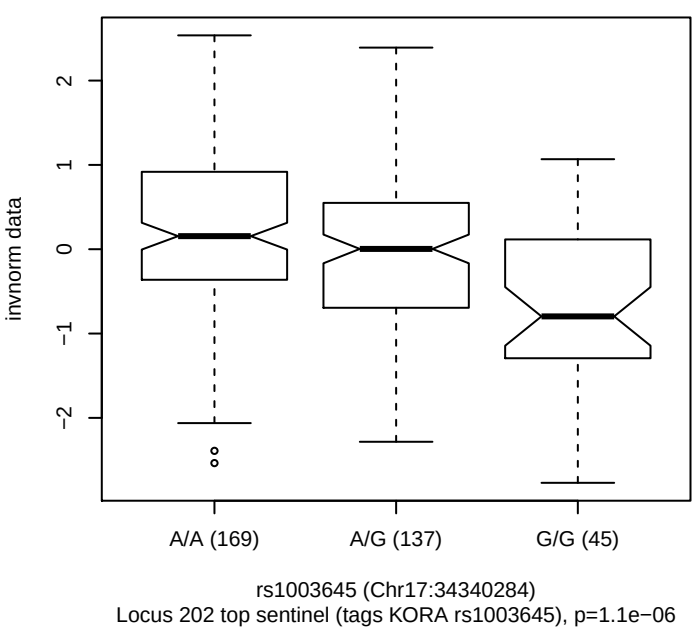

Ck−b−8−1 (Uniprot: P55773, ProbeID: 3028−36_2)
Frequency
0
20
40
60
80
100
0
20000
40000
60000
80000
100000
raw data
Ck−beta−8−1


Ck−b−8−1 (Uniprot: P55773, ProbeID: 3028−36_2)
raw data
20000
40000
60000
80000
120000
A/A (169)
A/G (137)
G/G (45)
rs1003645 (Chr17:34340284)
Locus 202 top sentinel (tags KORA rs1003645), p=1.3e−05

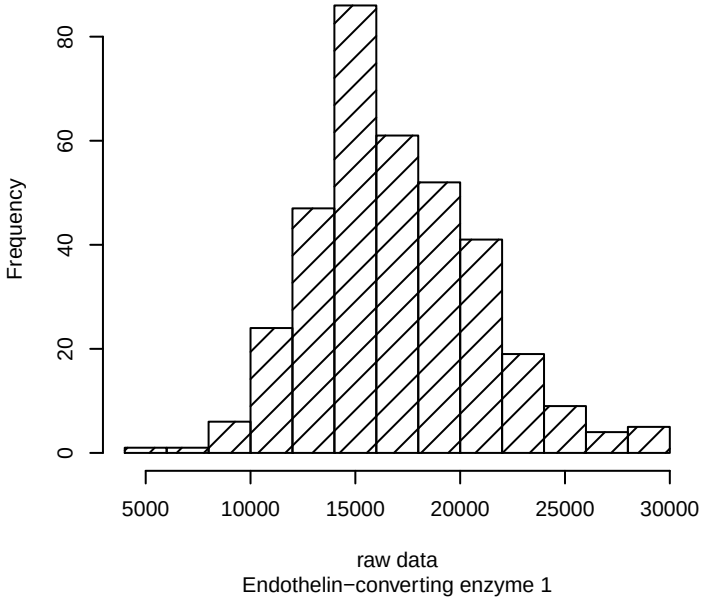

Ck−b−8−1 (Uniprot: P55773, ProbeID: 3028−36_2)
Frequency
0
20
40
60
80
100
120
13
14
15
16
17
log2−scaled data
Ck−beta−8−1


Ck−b−8−1 (Uniprot: P55773, ProbeID: 3028−36_2)
log2−scaled data
13
14
15
16
17
A/A (169)
A/G (137)
G/G (45)
rs1003645 (Chr17:34340284)
Locus 202 top sentinel (tags KORA rs1003645), p=1.3e−06, FC=−1.1287

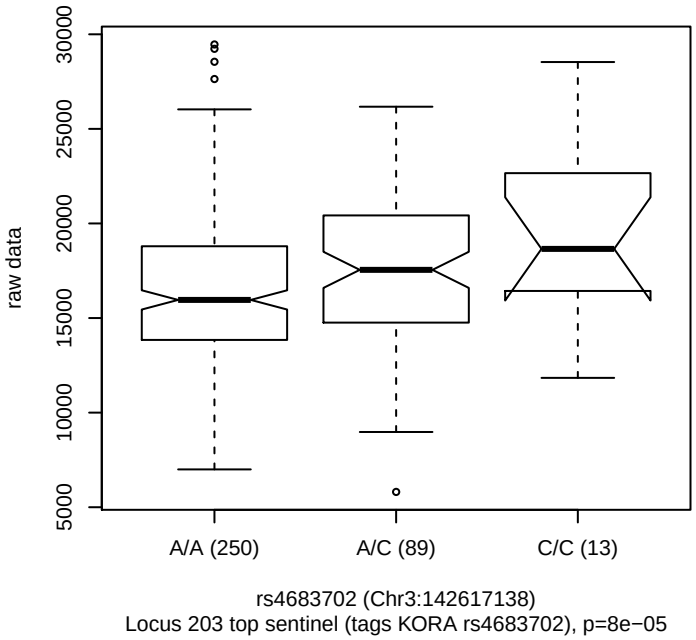

Ck−b−8−1 (Uniprot: P55773, ProbeID: 3028−36_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Ck−beta−8−1


Ck−b−8−1 (Uniprot: P55773, ProbeID: 3028−36_2)
invnorm data
−2
−1
0
1
2
A/A (169)
A/G (137)
G/G (45)
rs1003645 (Chr17:34340284)
Locus 202 top sentinel (tags KORA rs1003645), p=1.1e−06

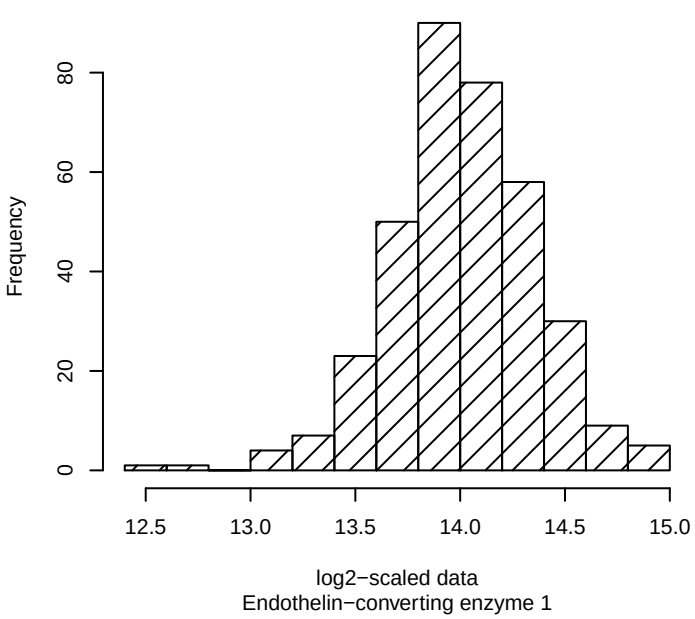
othelin−converting enzyme 1 (Uniprot: P42892, ProbeID: 36



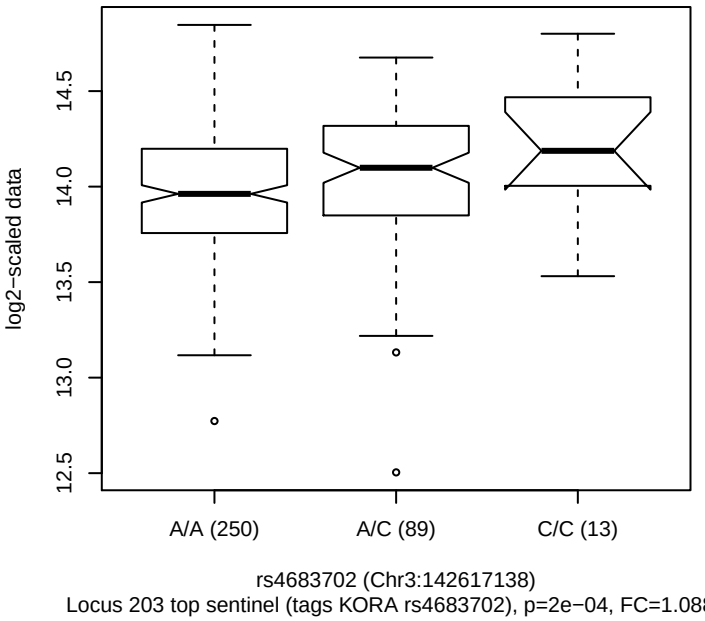
Othelin−converting enzyme 1 (Uniprot: P42892, ProbeID: 36



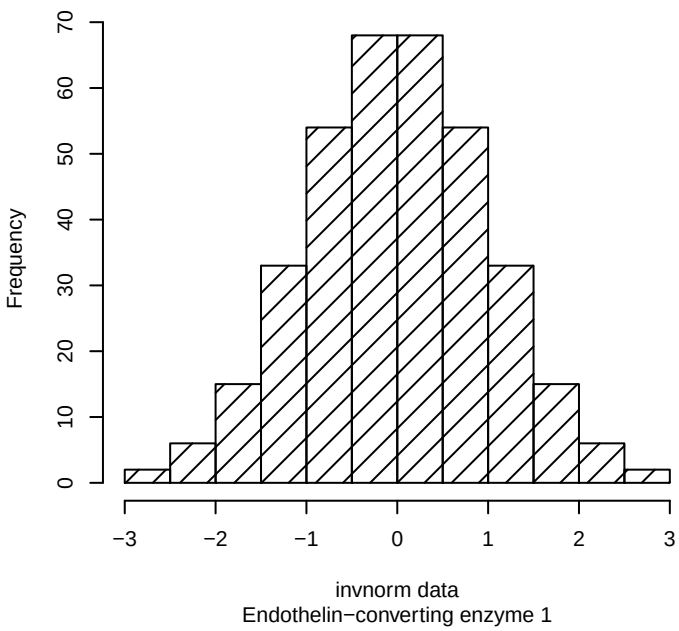
othelin−converting enzyme 1 (Uniprot: P42892, ProbeID: 36



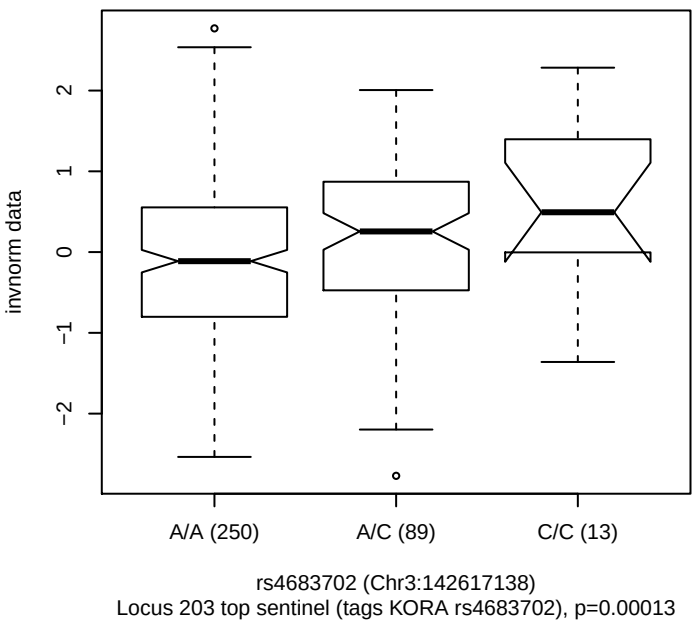
Othelin−converting enzyme 1 (Uniprot: P42892, ProbeID: 36

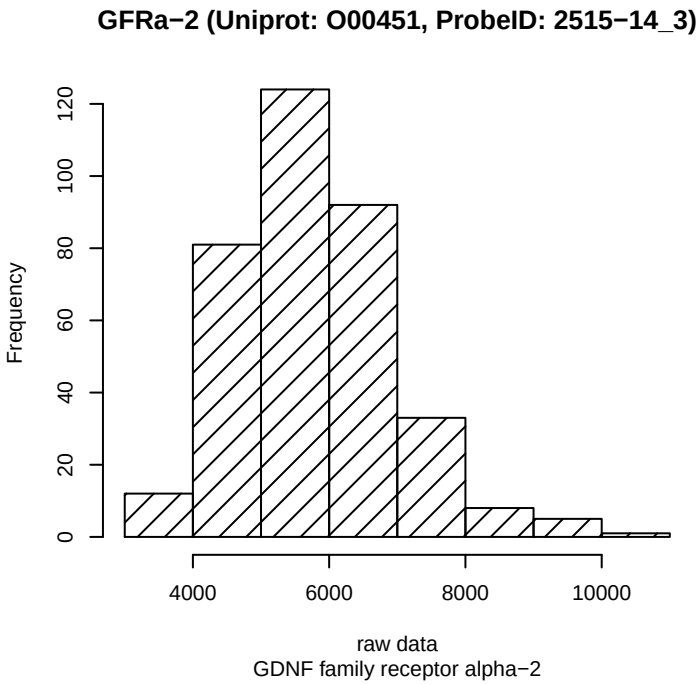


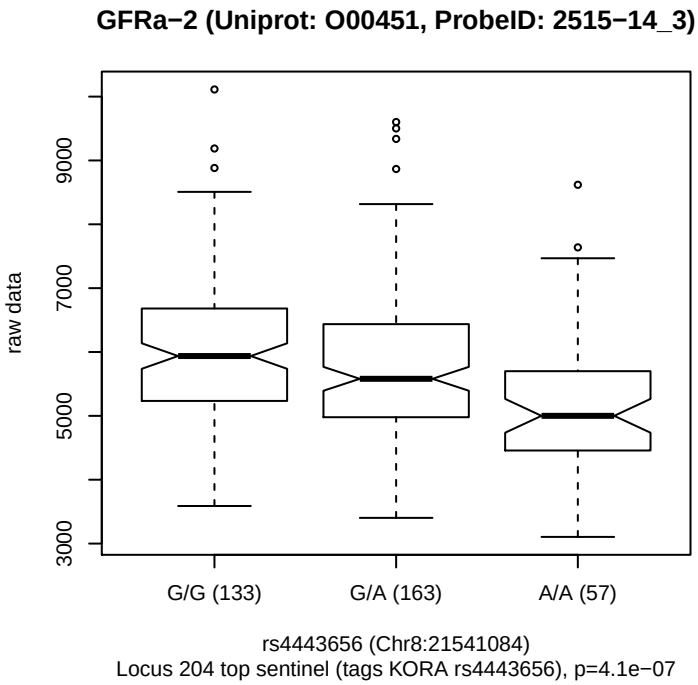
othelin−converting enzyme 1 (Uniprot: P42892, ProbeID: 36

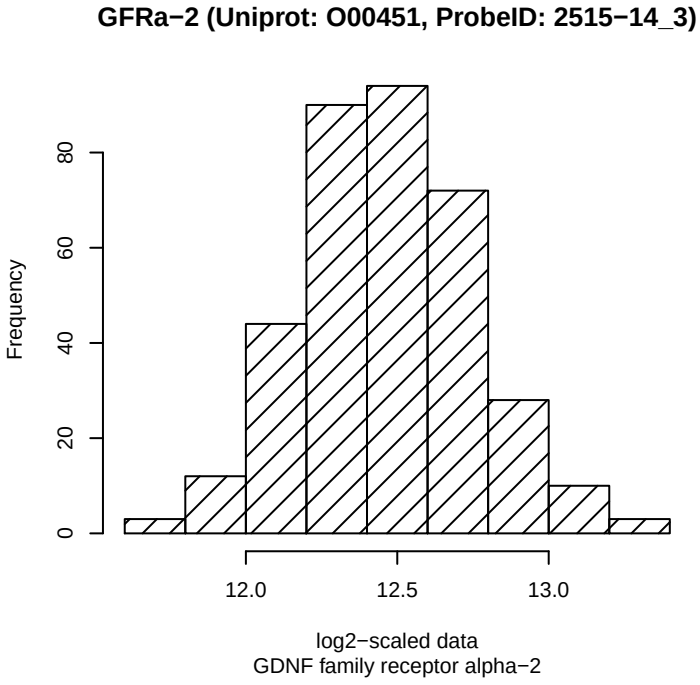


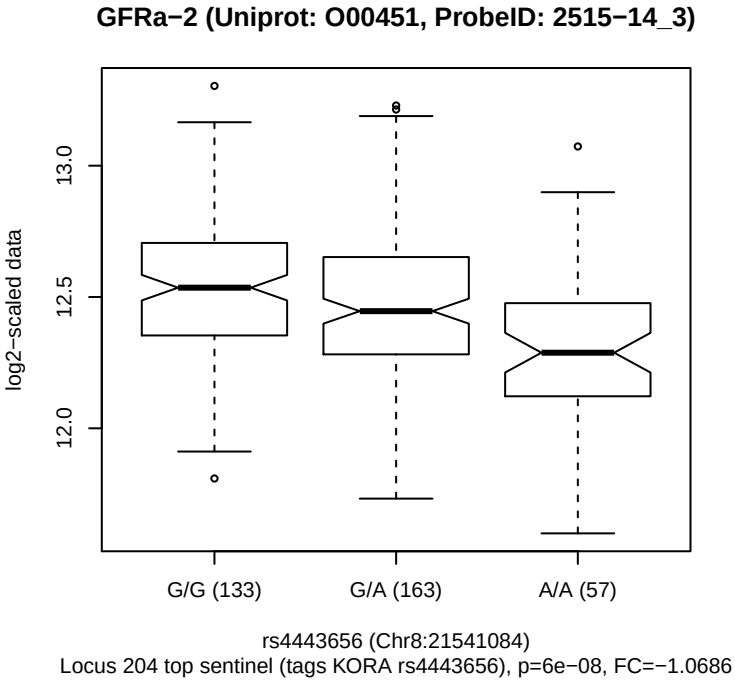
Othelin−converting enzyme 1 (Uniprot: P42892, ProbeID: 36

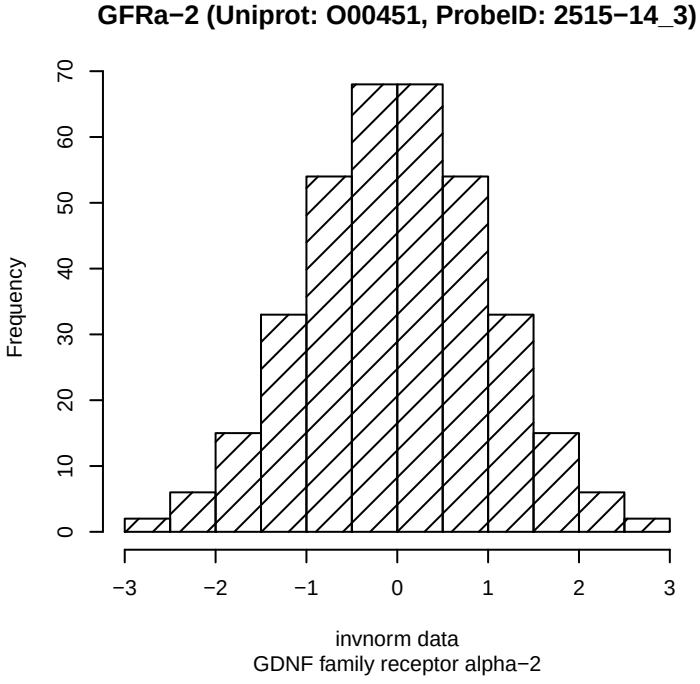


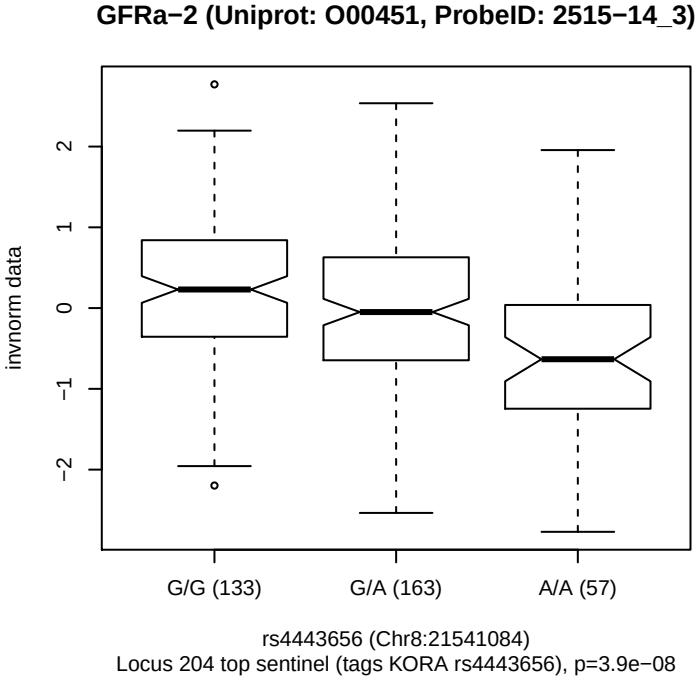

GFRa−2 (Uniprot: O00451, ProbeID: 2515−14_3)
Frequency
0
20
40
60
80
100
120
4000
6000
8000
10000
raw data
GDNF family receptor alpha−2

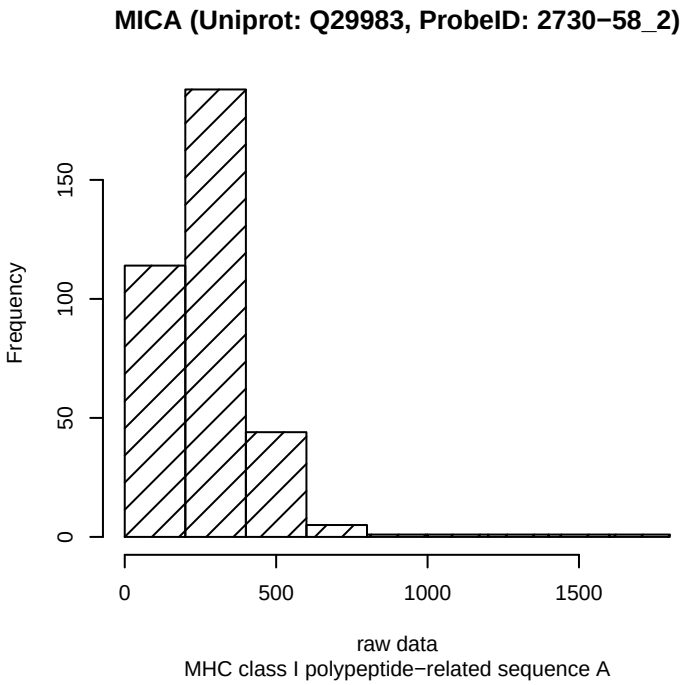

GFRa−2 (Uniprot: O00451, ProbeID: 2515−14_3)
raw data
3000
5000
7000
9000
G/G (133)
G/A (163)
A/A (57)
rs4443656 (Chr8:21541084)
Locus 204 top sentinel (tags KORA rs4443656), p=4.1e−07

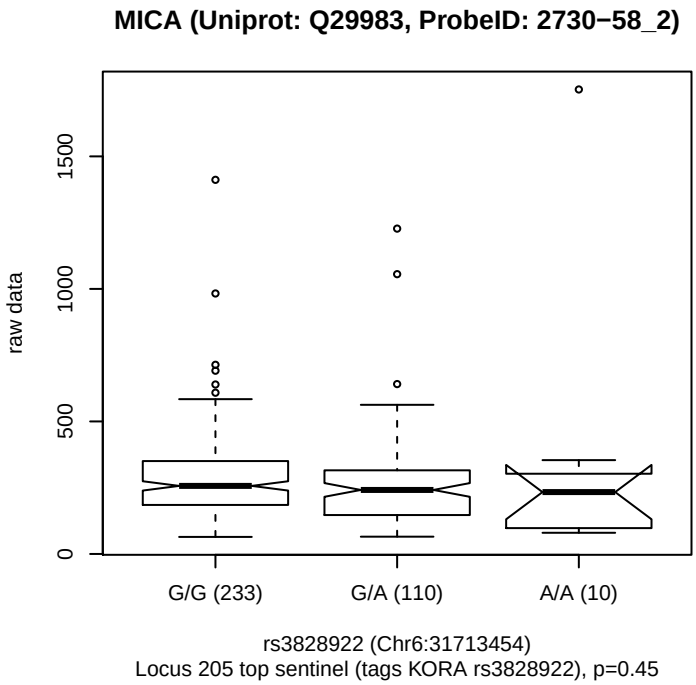

GFRa−2 (Uniprot: O00451, ProbeID: 2515−14_3)
Frequency
0
20
40
60
80
12.0
12.5
13.0
log2−scaled data
GDNF family receptor alpha−2

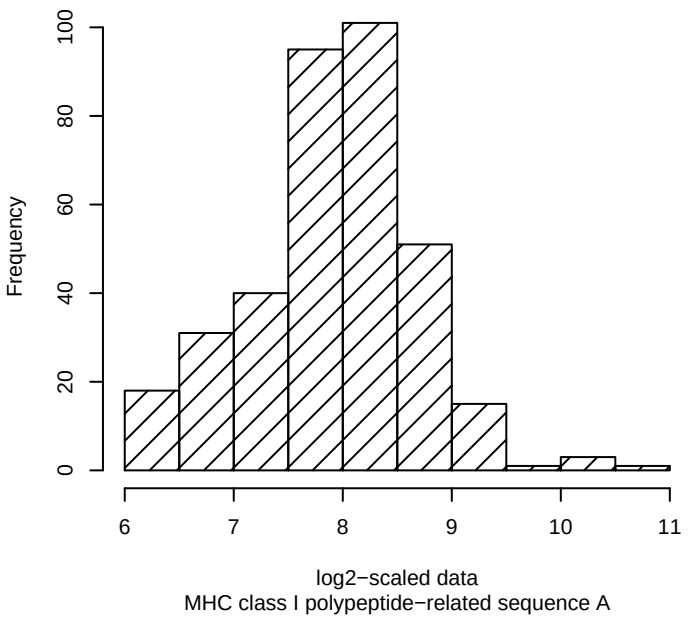

GFRa−2 (Uniprot: O00451, ProbeID: 2515−14_3)
log2−scaled data
12.0
12.5
13.0
G/G (133)
G/A (163)
A/A (57)
rs4443656 (Chr8:21541084)
Locus 204 top sentinel (tags KORA rs4443656), p=6e−08, FC=−1.0686

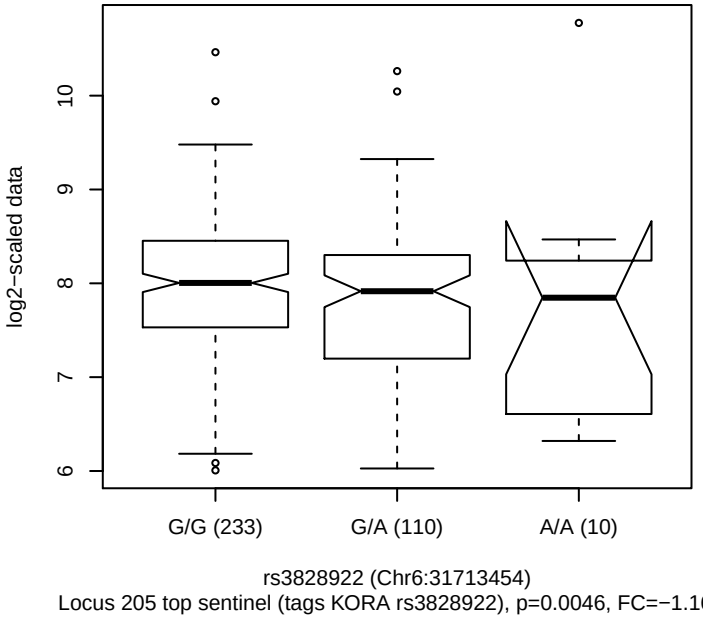

GFRa−2 (Uniprot: O00451, ProbeID: 2515−14_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
GDNF family receptor alpha−2

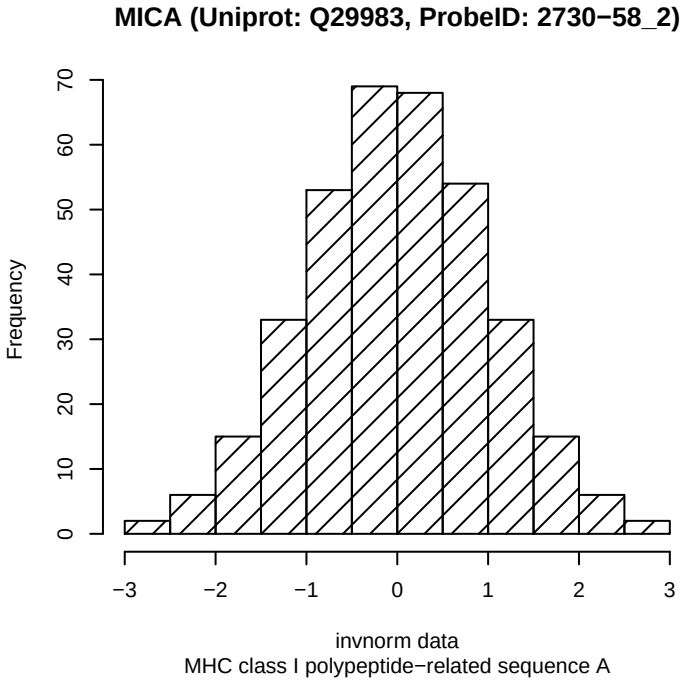

GFRa−2 (Uniprot: O00451, ProbeID: 2515−14_3)
invnorm data
−2
−1
0
1
2
G/G (133)
G/A (163)
A/A (57)
rs4443656 (Chr8:21541084)
Locus 204 top sentinel (tags KORA rs4443656), p=3.9e−08

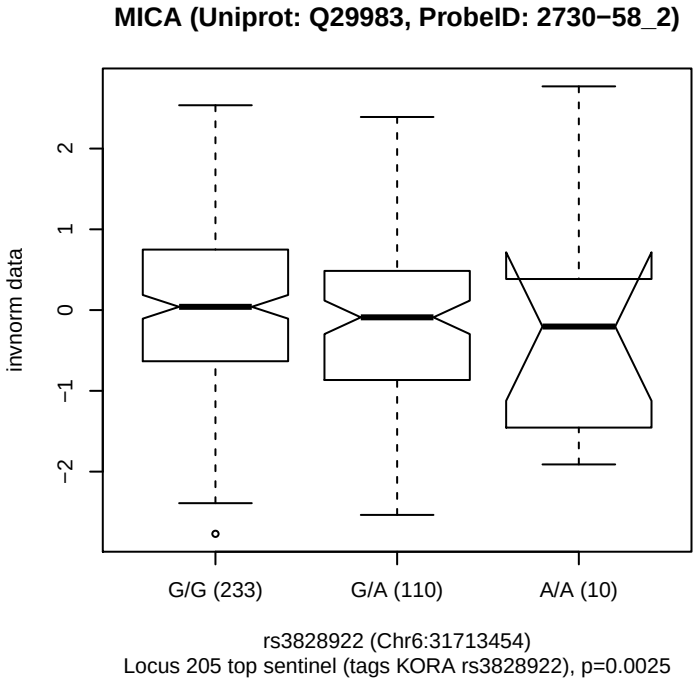

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
0
500
1000
1500
raw data
MHC class I polypeptide−related sequence A


MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
raw data
0
500
1000
1500
G/G (233)
G/A (110)
A/A (10)
rs3828922 (Chr6:31713454)
Locus 205 top sentinel (tags KORA rs3828922), p=0.45

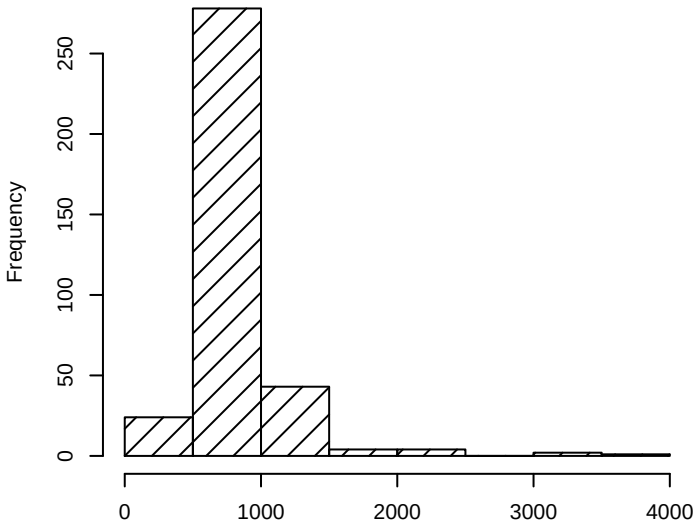

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
20
40
60
80
100
6
7
8
9
10
11
log2−scaled data
MHC class I polypeptide−related sequence A


MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
log2−scaled data
6
7
8
9
10
G/G (233)
G/A (110)
A/A (10)
rs3828922 (Chr6:31713454)
Locus 205 top sentinel (tags KORA rs3828922), p=0.0046, FC=−1.1603

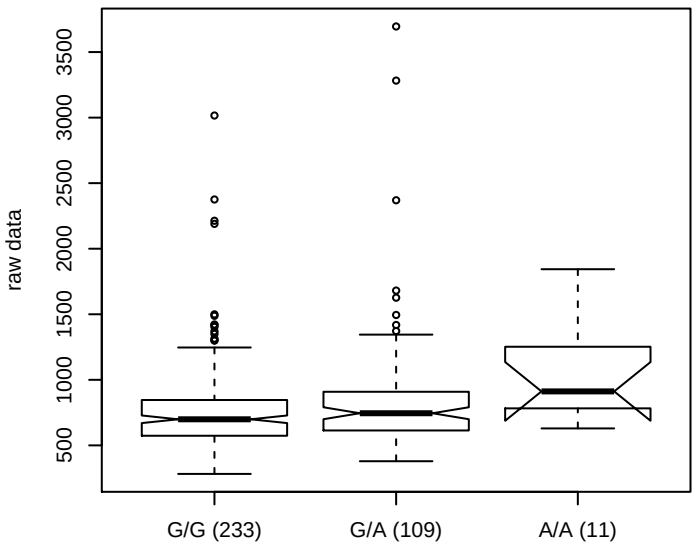

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence A


MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
invnorm data
−2
−1
0
1
2
G/G (233)
G/A (110)
A/A (10)
rs3828922 (Chr6:31713454)
Locus 205 top sentinel (tags KORA rs3828922), p=0.0025

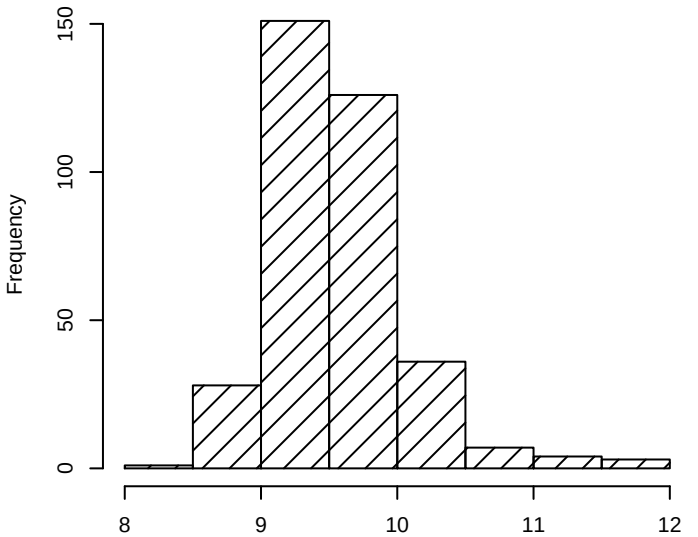
C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5



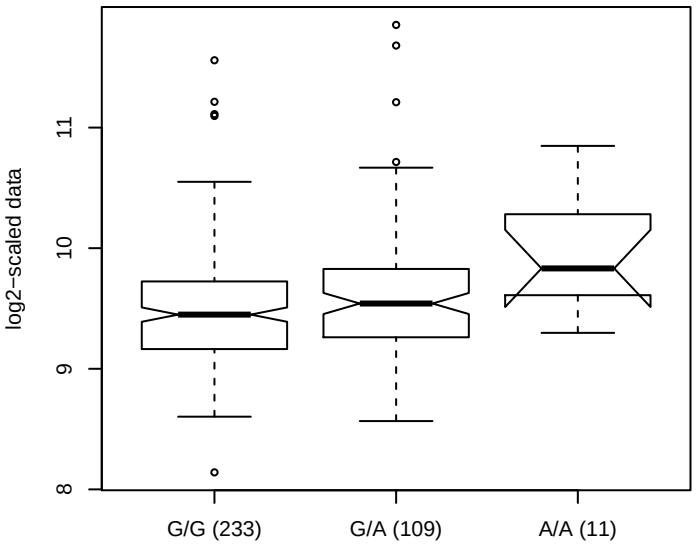
C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5



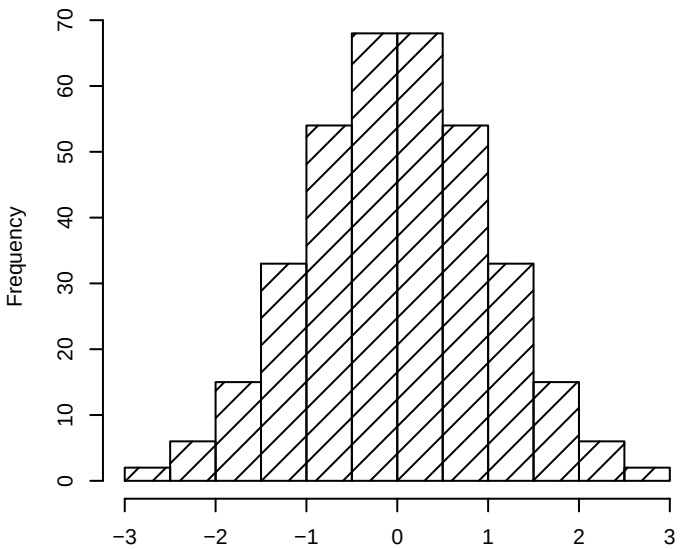
C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5



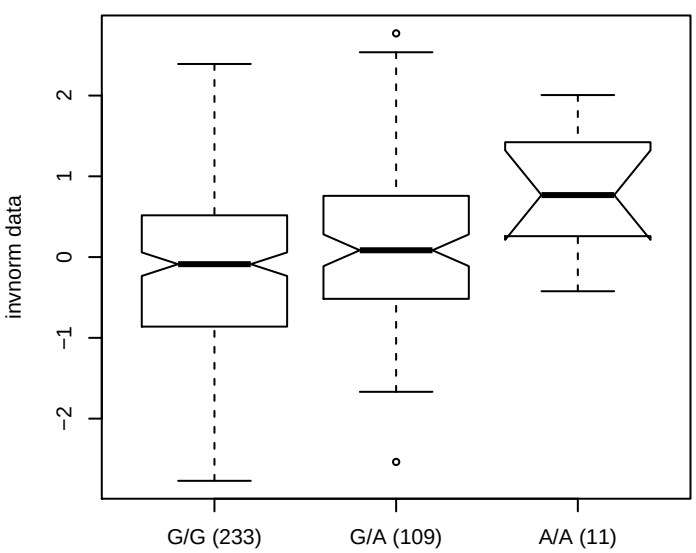
C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5

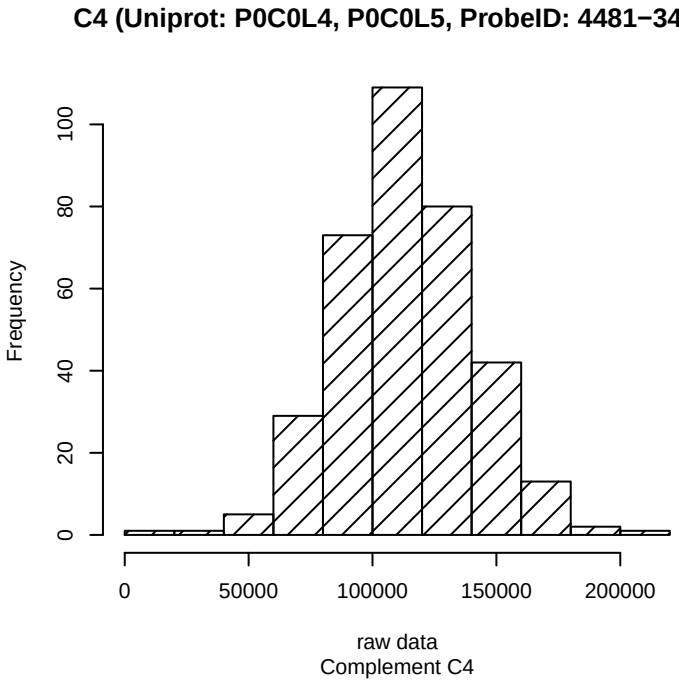


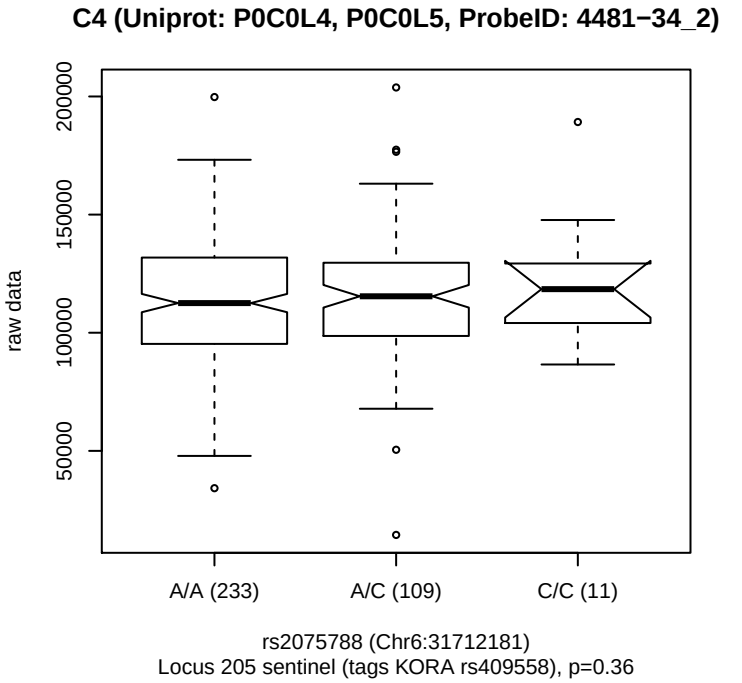
C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5

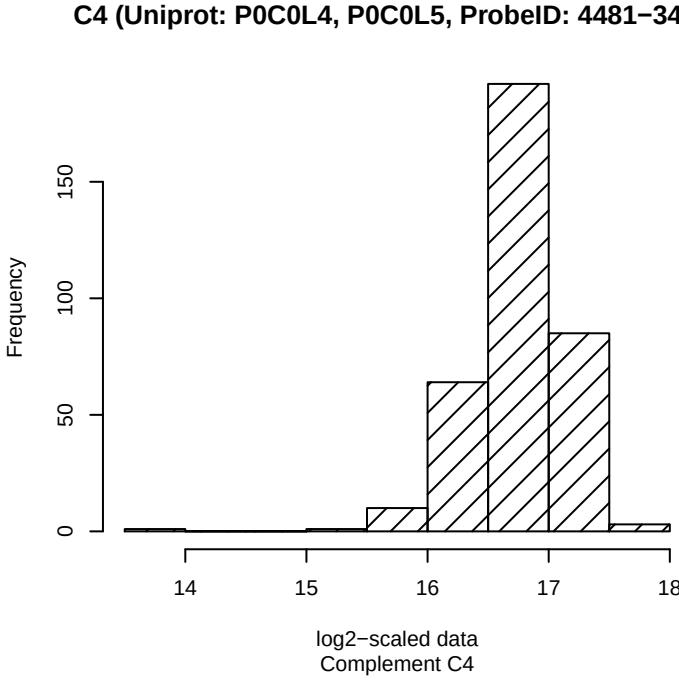


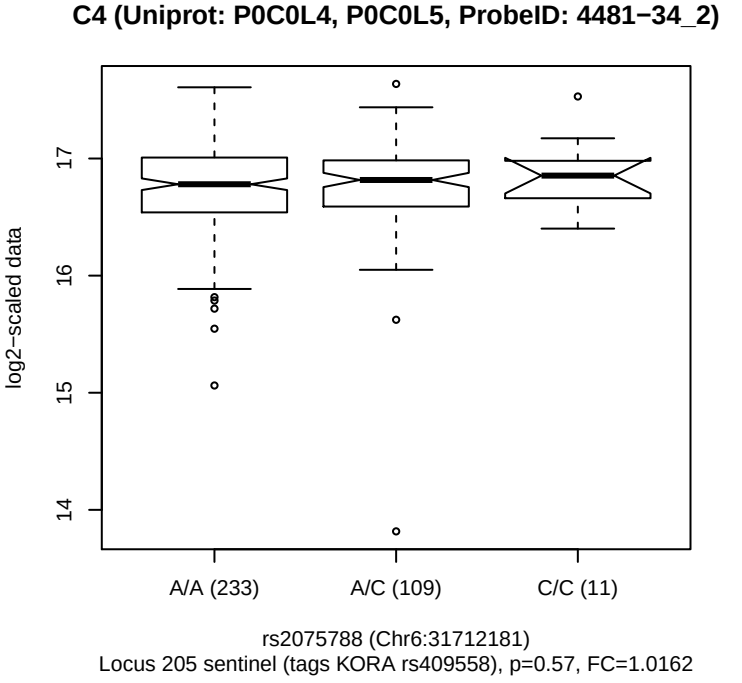
C34 gp41 HIV Fragment (Uniprot: Q70626, ProbeID: 4792−5

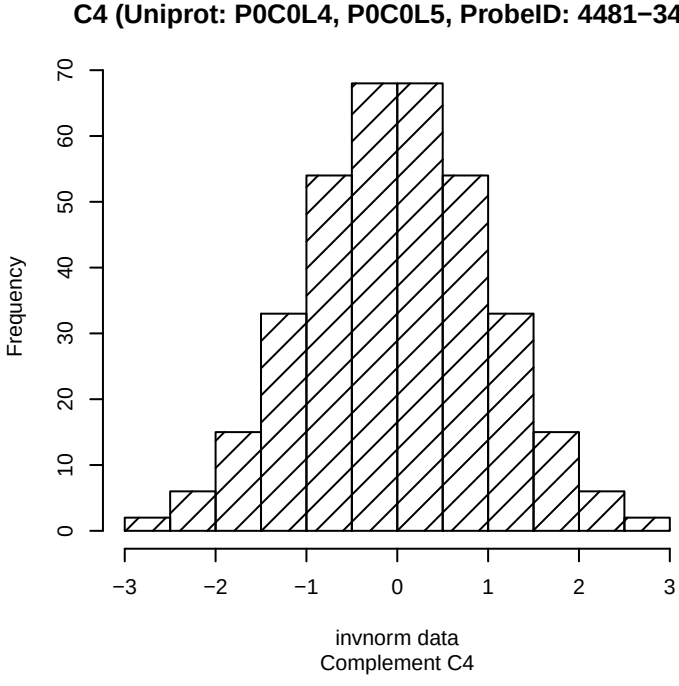


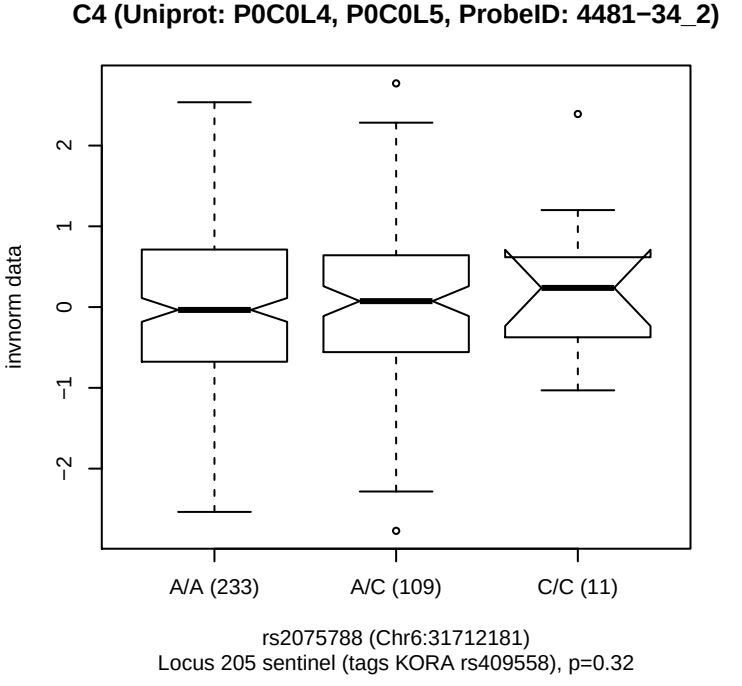

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
Frequency
0
20
40
60
80
100
0
50000
100000
150000
200000
raw data
Complement C4

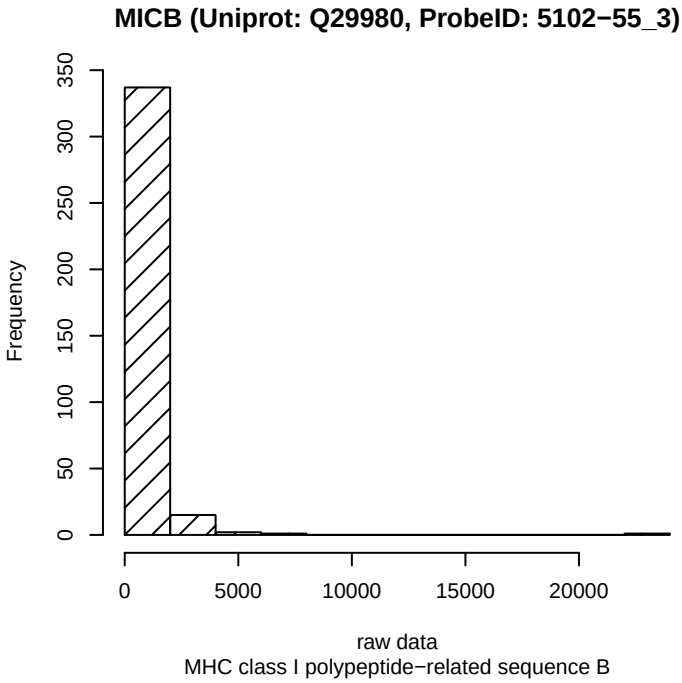

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
raw data
50000
100000
150000
200000
A/A (233)
A/C (109)
C/C (11)
rs2075788 (Chr6:31712181)
Locus 205 sentinel (tags KORA rs409558), p=0.36

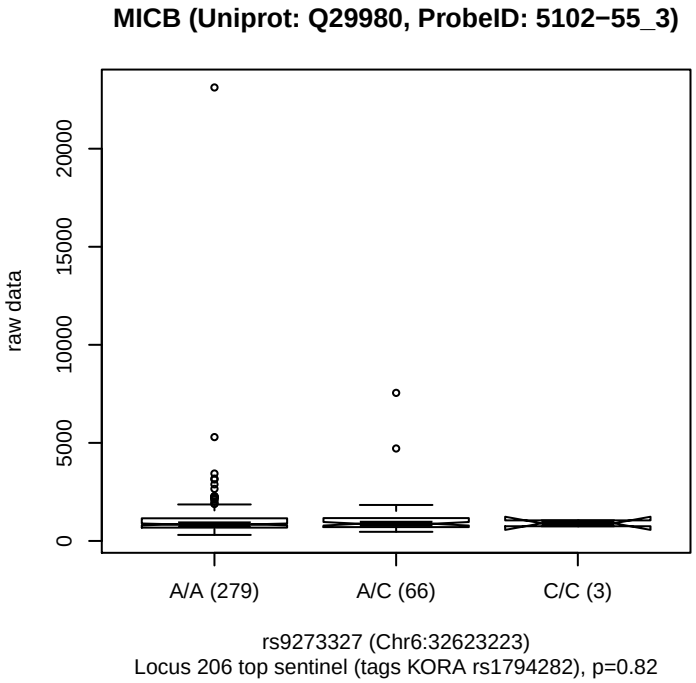

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
Frequency
0
50
100
150
14
15
16
17
18
log2−scaled data
Complement C4

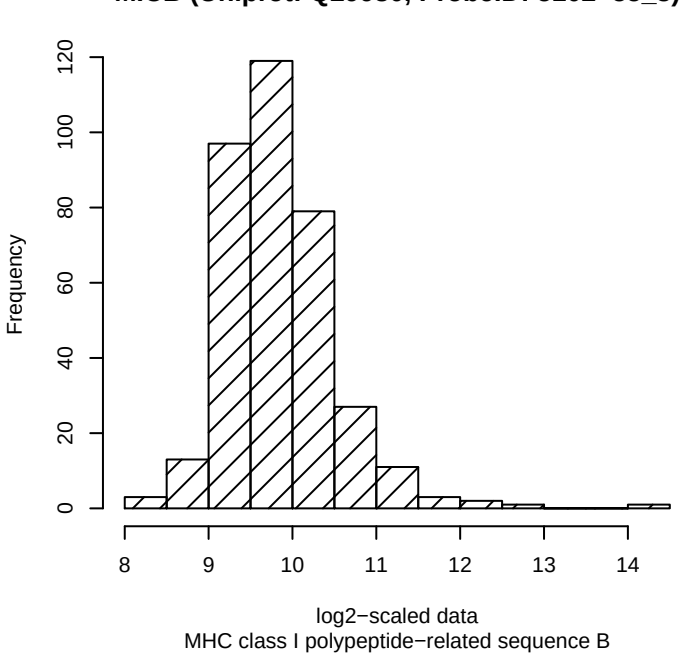

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
log2−scaled data
14
15
16
17
A/A (233)
A/C (109)
C/C (11)
rs2075788 (Chr6:31712181)
Locus 205 sentinel (tags KORA rs409558), p=0.57, FC=1.0162

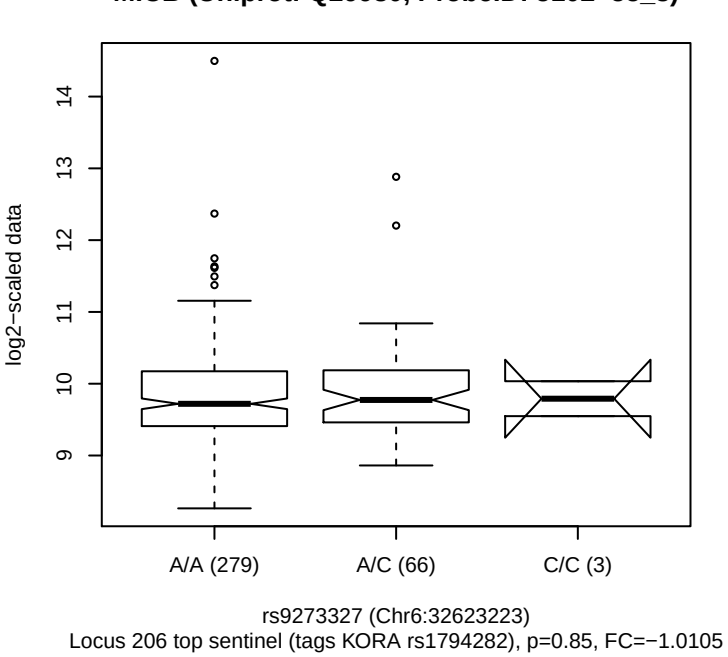

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Complement C4

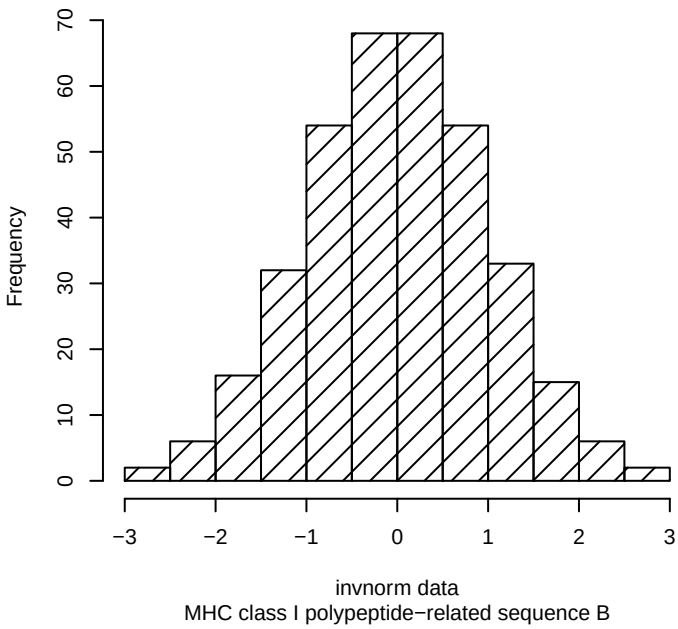

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
invnorm data
−2
−1
0
1
2
A/A (233)
A/C (109)
C/C (11)
rs2075788 (Chr6:31712181)
Locus 205 sentinel (tags KORA rs409558), p=0.32

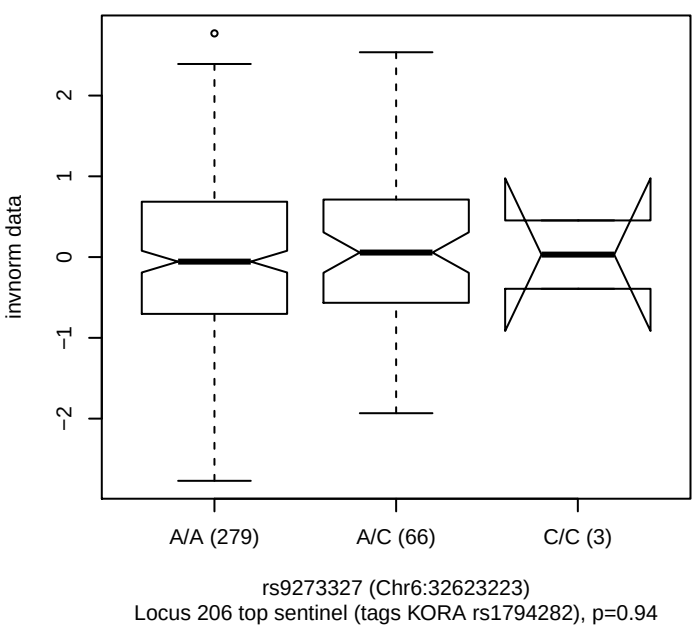

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
50
100
150
200
250
300
350
0
5000
10000
15000
20000
raw data
MHC class I polypeptide−related sequence B

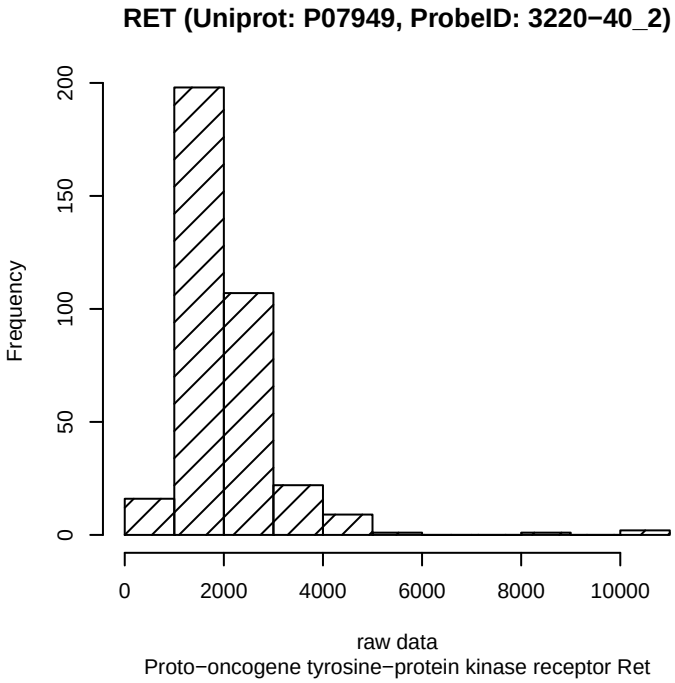

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
raw data
0
5000
10000
15000
20000
A/A (279)
A/C (66)
C/C (3)
rs9273327 (Chr6:32623223)
Locus 206 top sentinel (tags KORA rs1794282), p=0.82

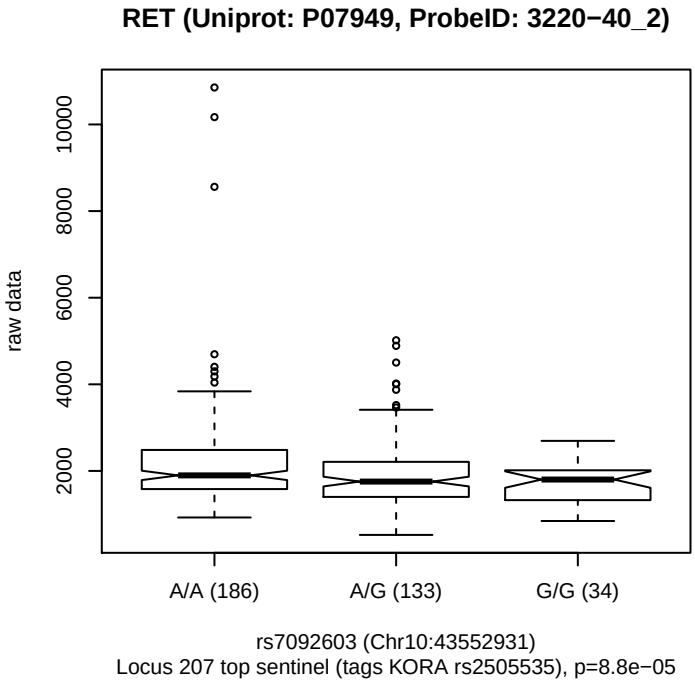

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
20
40
60
80
100
120
8
9
10
11
12
13
14
log2−scaled data
MHC class I polypeptide−related sequence B

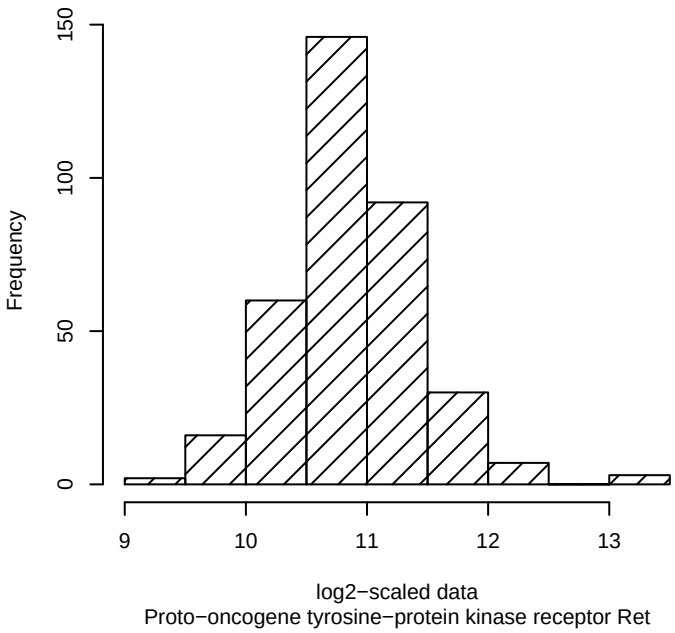

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
log2−scaled data
9
10
11
12
13
14
A/A (279)
A/C (66)
C/C (3)
rs9273327 (Chr6:32623223)
Locus 206 top sentinel (tags KORA rs1794282), p=0.85, FC=−1.0105

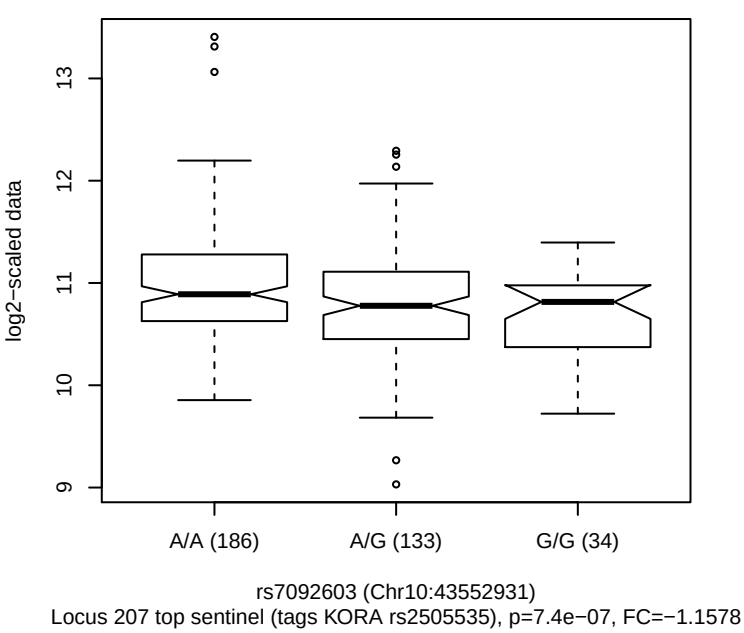

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence B

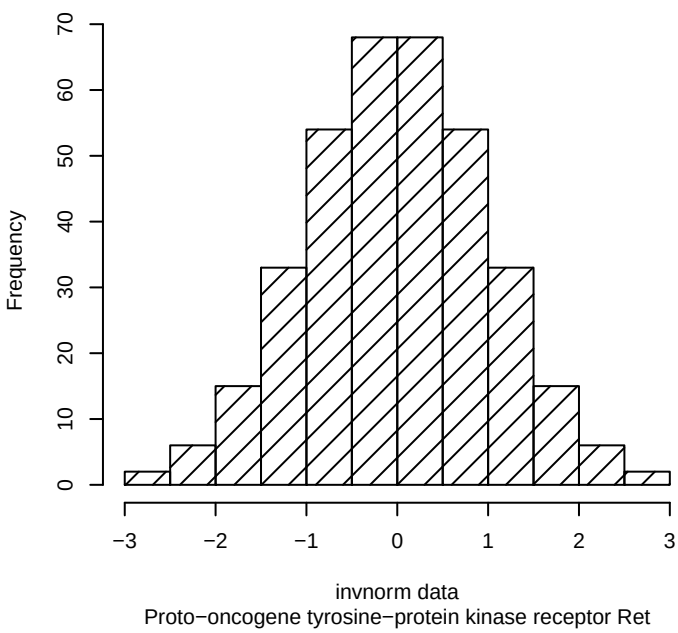

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
invnorm data
−2
−1
0
1
2
A/A (279)
A/C (66)
C/C (3)
rs9273327 (Chr6:32623223)
Locus 206 top sentinel (tags KORA rs1794282), p=0.94

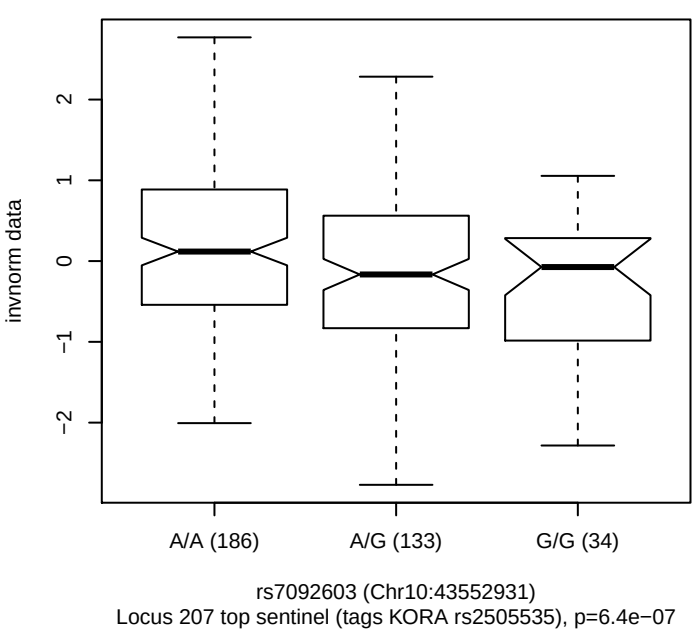

RET (Uniprot: P07949, ProbeID: 3220−40_2)
Frequency
0
50
100
150
200
0
2000
4000
6000
8000
10000
raw data
Proto−oncogene tyrosine−protein kinase receptor Ret

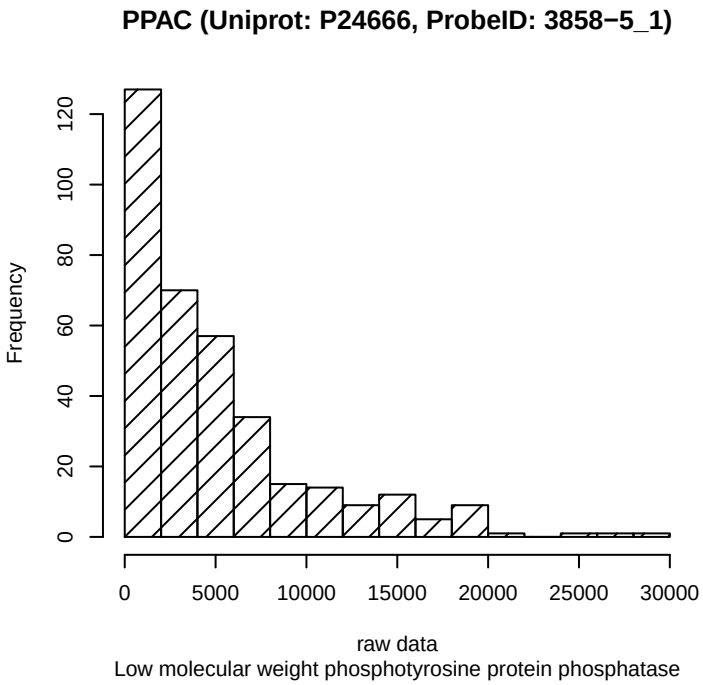

RET (Uniprot: P07949, ProbeID: 3220−40_2)
raw data
2000
4000
6000
8000
10000
A/A (186)
A/G (133)
G/G (34)
rs7092603 (Chr10:43552931)
Locus 207 top sentinel (tags KORA rs2505535), p=8.8e−05

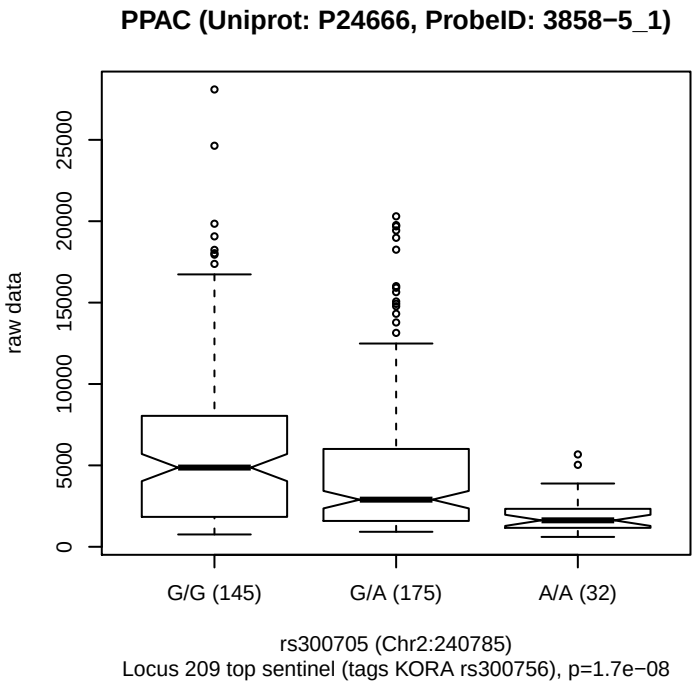

RET (Uniprot: P07949, ProbeID: 3220−40_2)
Frequency
0
50
100
150
9
10
11
12
13
log2−scaled data
Proto−oncogene tyrosine−protein kinase receptor Ret

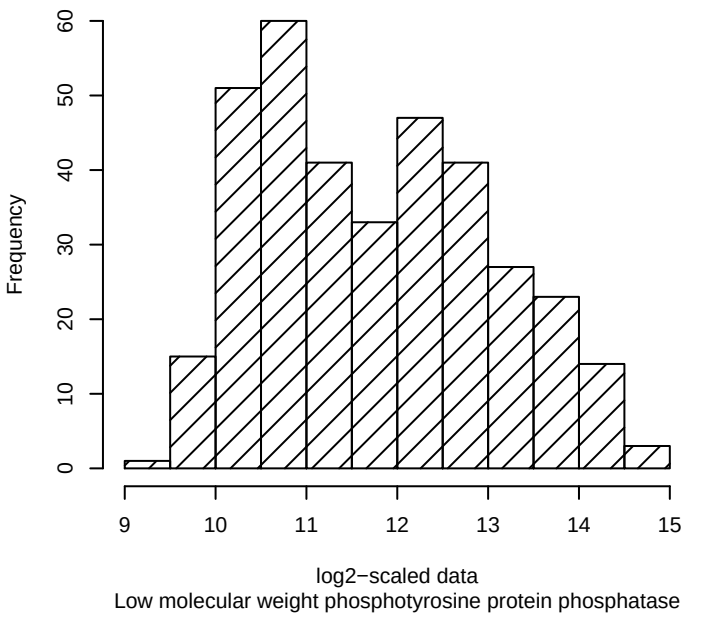

RET (Uniprot: P07949, ProbeID: 3220−40_2)
log2−scaled data
9
10
11
12
13
A/A (186)
A/G (133)
G/G (34)
rs7092603 (Chr10:43552931)
Locus 207 top sentinel (tags KORA rs2505535), p=7.4e−07, FC=−1.1578

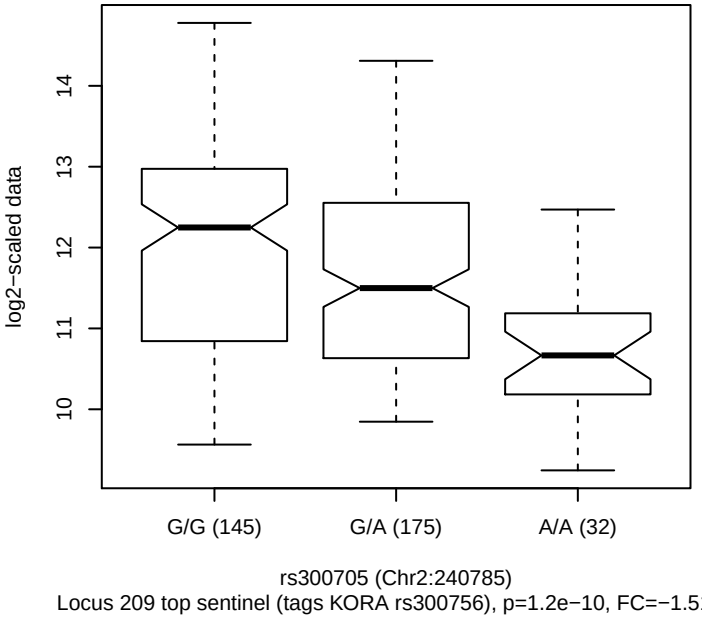

RET (Uniprot: P07949, ProbeID: 3220−40_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Proto−oncogene tyrosine−protein kinase receptor Ret

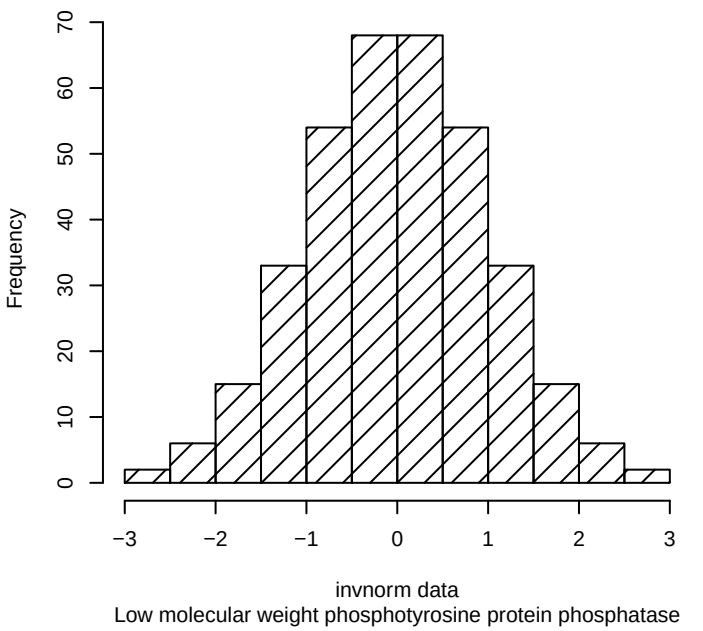

RET (Uniprot: P07949, ProbeID: 3220−40_2)
invnorm data
−2
−1
0
1
2
A/A (186)
A/G (133)
G/G (34)
rs7092603 (Chr10:43552931)
Locus 207 top sentinel (tags KORA rs2505535), p=6.4e−07

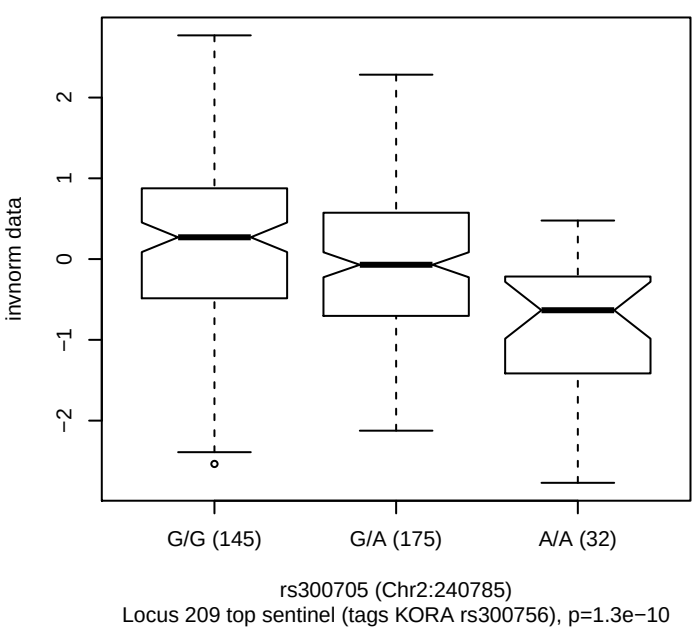

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
Frequency
0
20
40
60
80
100
120
0
5000
10000
15000
20000
25000
30000
raw data
Low molecular weight phosphotyrosine protein phosphatase

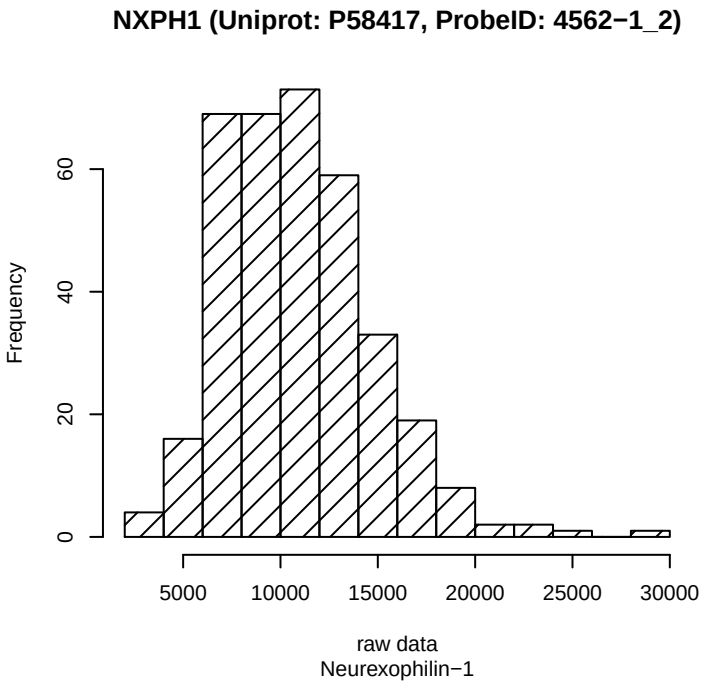

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
raw data
0
5000
10000
15000
20000
25000
G/G (145)
G/A (175)
A/A (32)
rs300705 (Chr2:240785)
Locus 209 top sentinel (tags KORA rs300756), p=1.7e−08

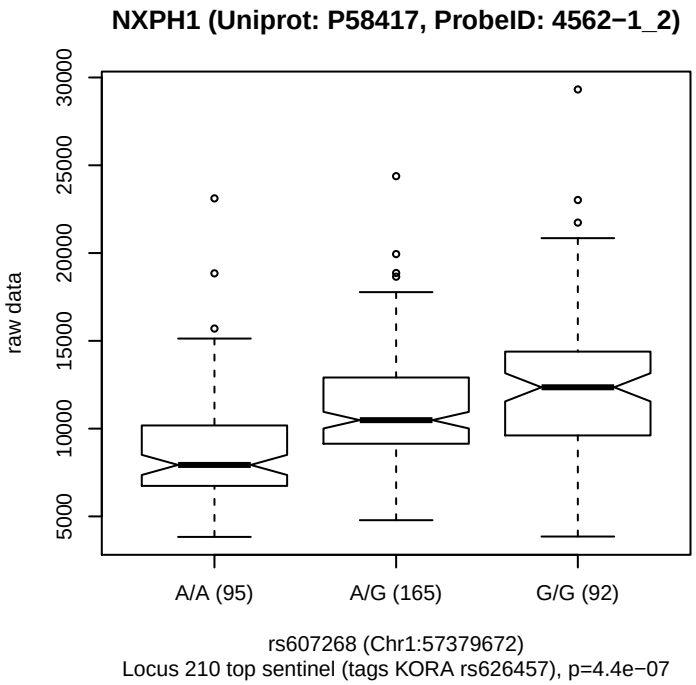

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
Frequency
0
10
20
30
40
50
60
9
10
11
12
13
14
15
log2−scaled data
Low molecular weight phosphotyrosine protein phosphatase

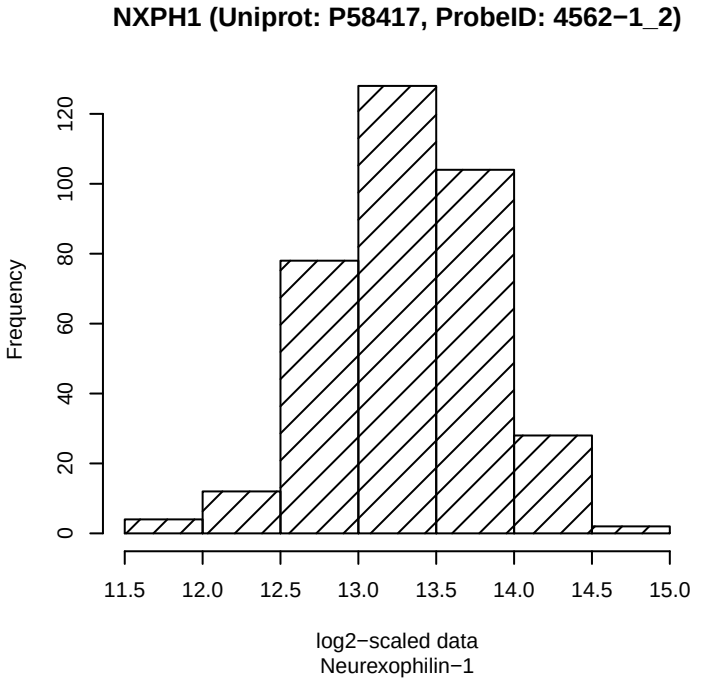

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
log2−scaled data
10
11
12
13
14
G/G (145)
G/A (175)
A/A (32)
rs300705 (Chr2:240785)
Locus 209 top sentinel (tags KORA rs300756), p=1.2e−10, FC=−1.5142

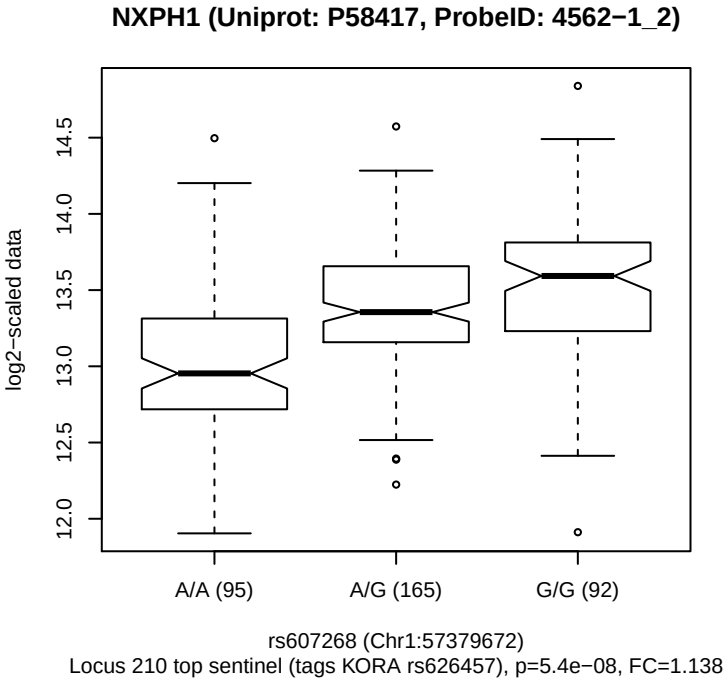

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Low molecular weight phosphotyrosine protein phosphatase

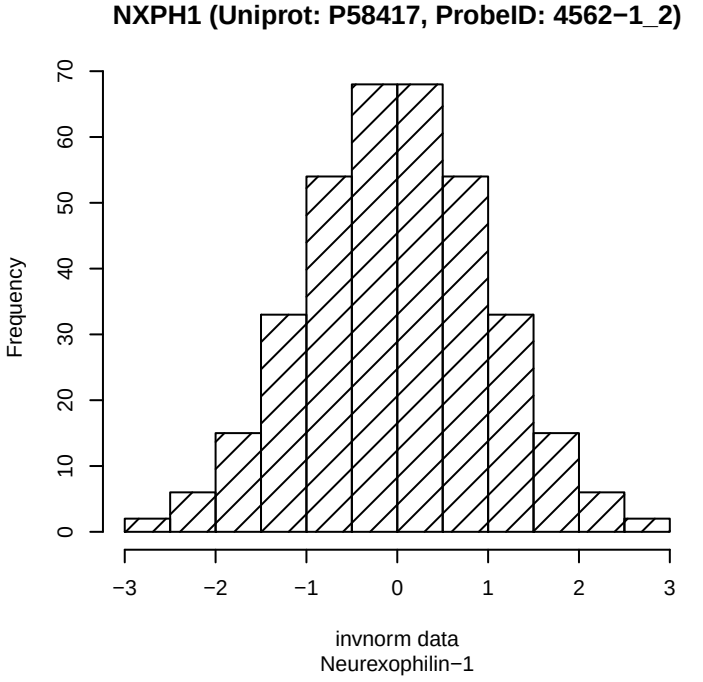

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
invnorm data
−2
−1
0
1
2
G/G (145)
G/A (175)
A/A (32)
rs300705 (Chr2:240785)
Locus 209 top sentinel (tags KORA rs300756), p=1.3e−10

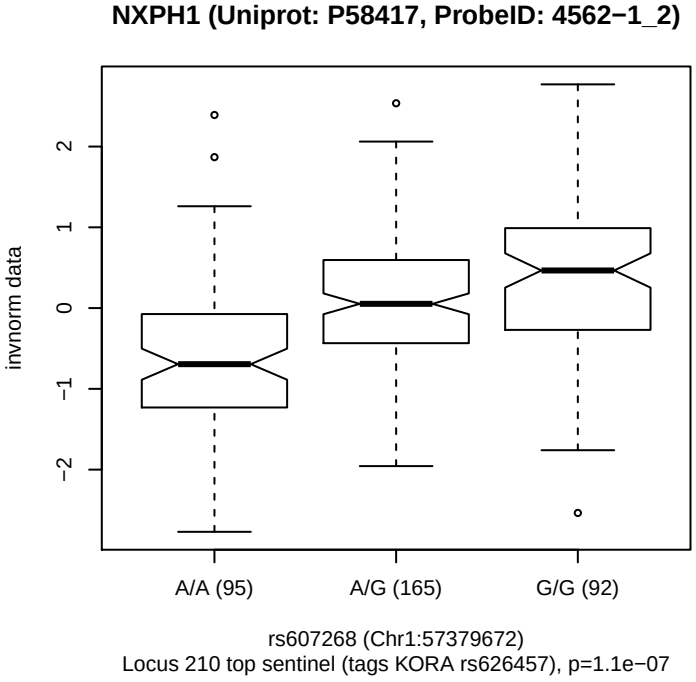

NXPH1 (Uniprot: P58417, ProbeID: 4562−1_2)
Frequency
0
20
40
60
5000
10000
15000
20000
25000
30000
raw data
Neurexophilin−1

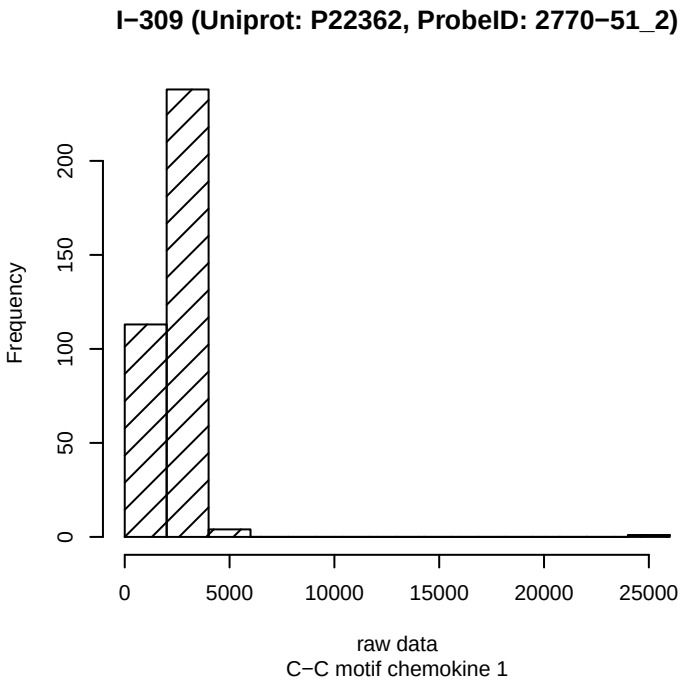

NXPH1 (Uniprot: P58417, ProbeID: 4562−1_2)
raw data
5000
10000
15000
20000
25000
30000
A/A (95)
A/G (165)
G/G (92)
rs607268 (Chr1:57379672)
Locus 210 top sentinel (tags KORA rs626457), p=4.4e−07

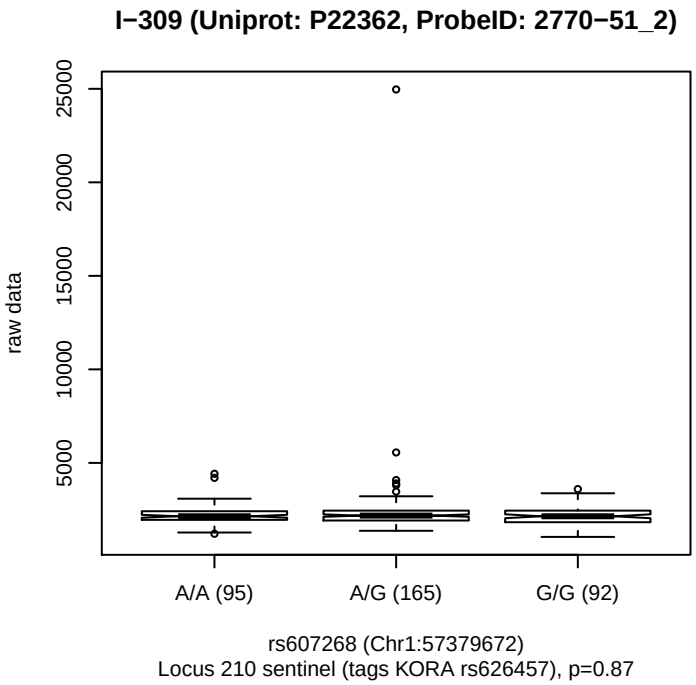

NXPH1 (Uniprot: P58417, ProbeID: 4562−1_2)
Frequency
0
20
40
60
80
100
120
11.5
12.0
12.5
13.0
13.5
14.0
14.5
15.0
log2−scaled data
Neurexophilin−1

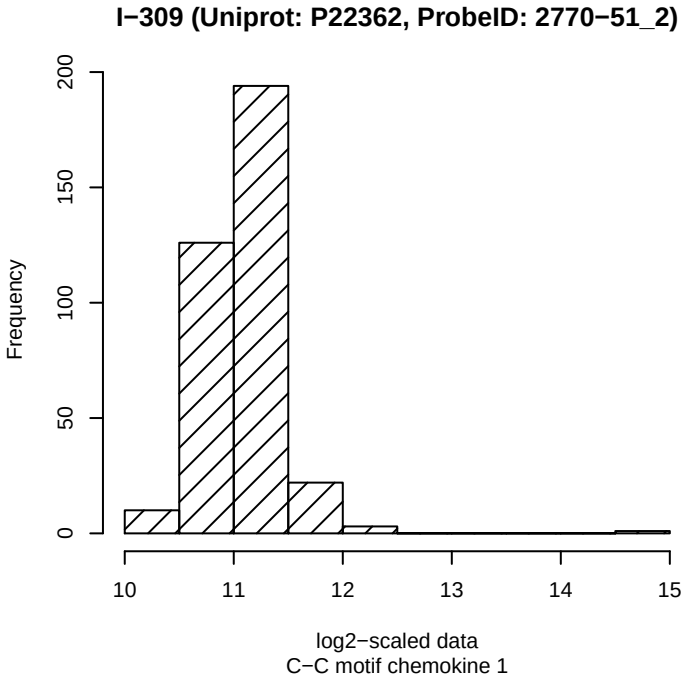

NXPH1 (Uniprot: P58417, ProbeID: 4562−1_2)
log2−scaled data
12.0
12.5
13.0
13.5
14.0
14.5
A/A (95)
A/G (165)
G/G (92)
rs607268 (Chr1:57379672)
Locus 210 top sentinel (tags KORA rs626457), p=5.4e−08, FC=1.138

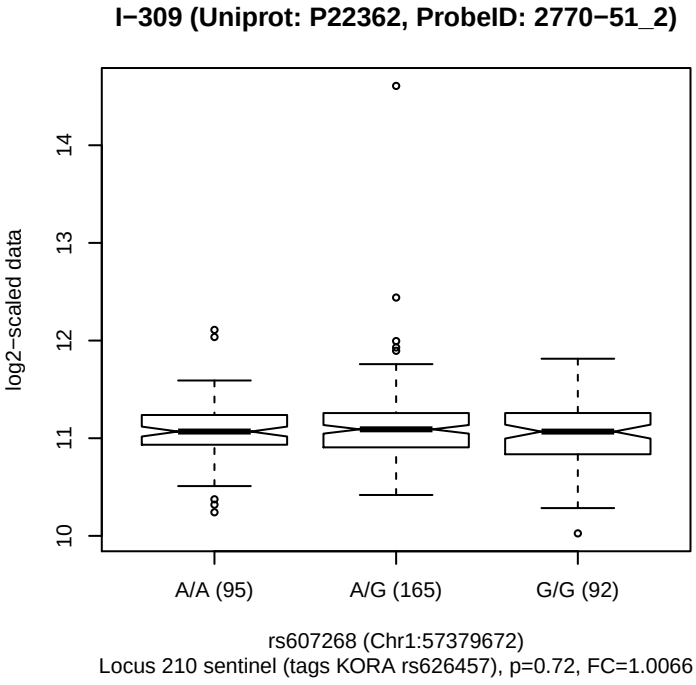

NXPH1 (Uniprot: P58417, ProbeID: 4562−1_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Neurexophilin−1

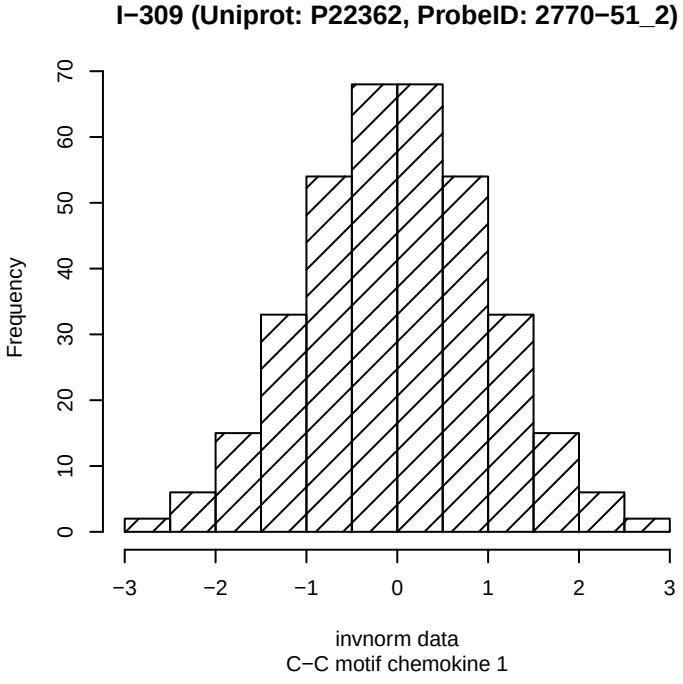

NXPH1 (Uniprot: P58417, ProbeID: 4562−1_2)
invnorm data
−2
−1
0
1
2
A/A (95)
A/G (165)
G/G (92)
rs607268 (Chr1:57379672)
Locus 210 top sentinel (tags KORA rs626457), p=1.1e−07

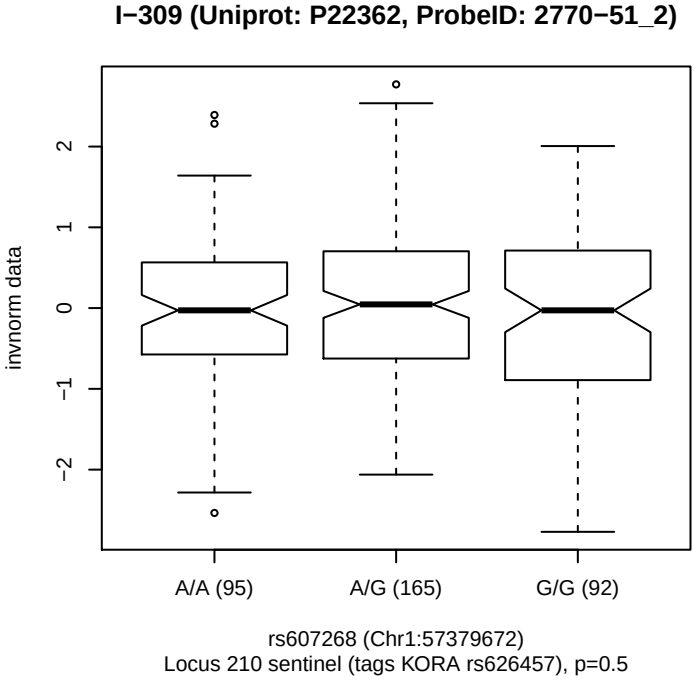

I−309 (Uniprot: P22362, ProbeID: 2770−51_2)
Frequency
0
50
100
150
200
0
5000
10000
15000
20000
25000
raw data
C−C motif chemokine 1

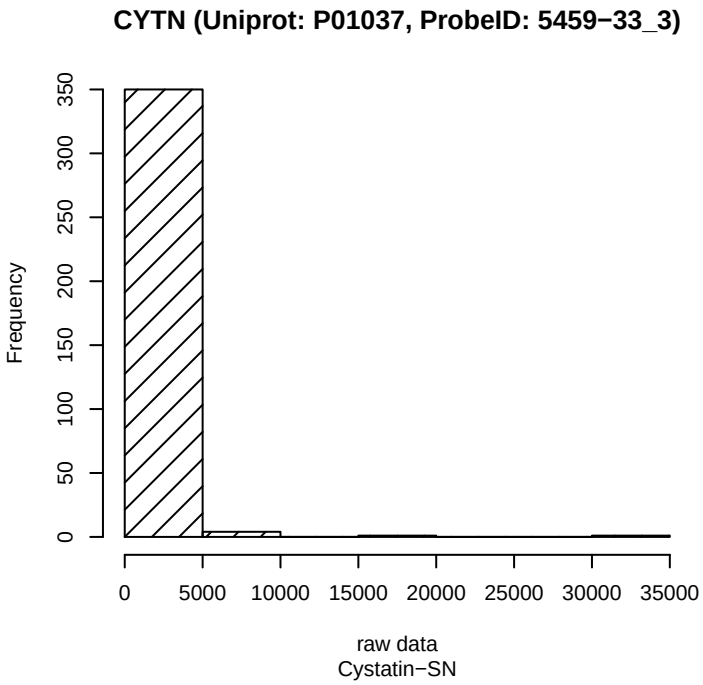

I−309 (Uniprot: P22362, ProbeID: 2770−51_2)
raw data
5000
10000
15000
20000
25000
A/A (95)
A/G (165)
G/G (92)
rs607268 (Chr1:57379672)
Locus 210 sentinel (tags KORA rs626457), p=0.87

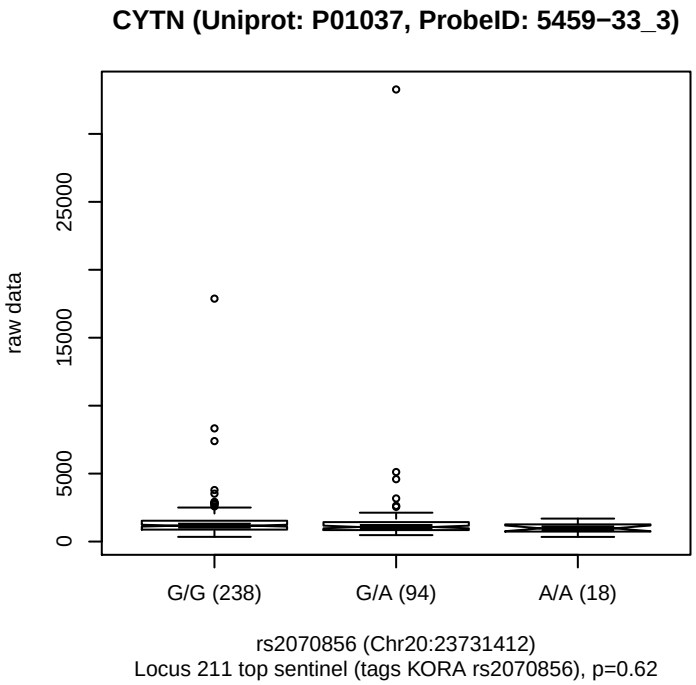

I−309 (Uniprot: P22362, ProbeID: 2770−51_2)
Frequency
0
50
100
150
200
10
11
12
13
14
15
log2−scaled data
C−C motif chemokine 1

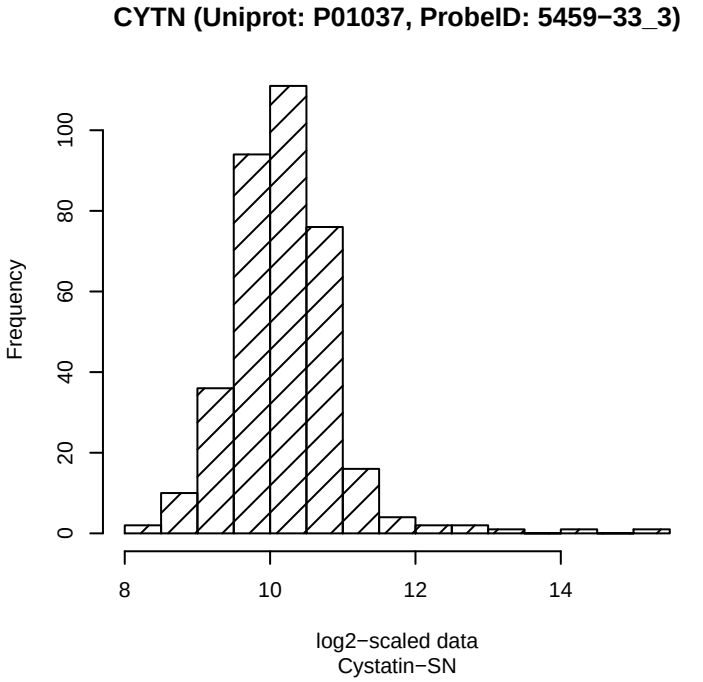

I−309 (Uniprot: P22362, ProbeID: 2770−51_2)
log2−scaled data
10
11
12
13
14
A/A (95)
A/G (165)
G/G (92)
rs607268 (Chr1:57379672)
Locus 210 sentinel (tags KORA rs626457), p=0.72, FC=1.0066

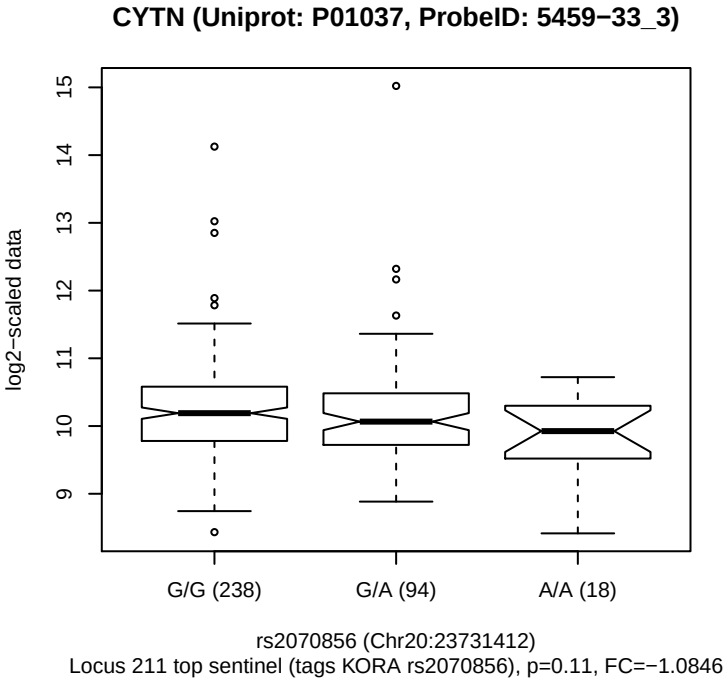

I−309 (Uniprot: P22362, ProbeID: 2770−51_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 1

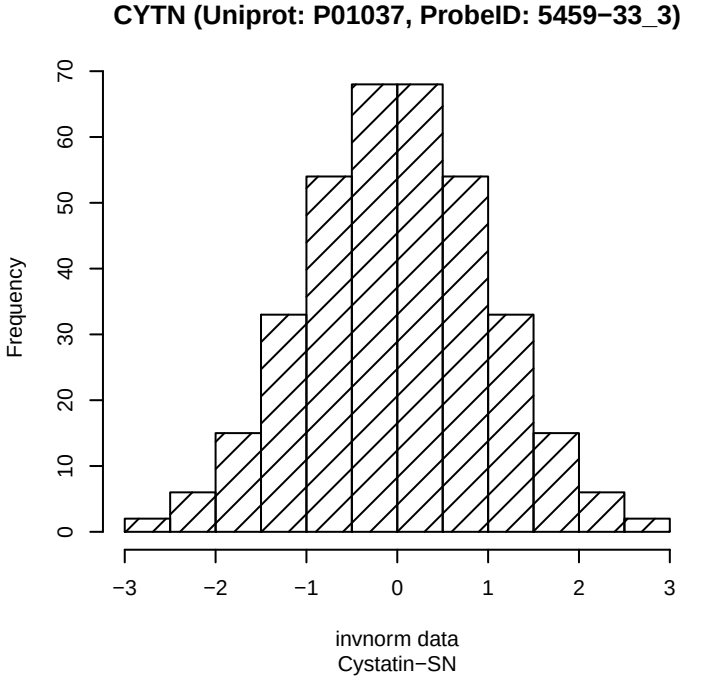

I−309 (Uniprot: P22362, ProbeID: 2770−51_2)
invnorm data
−2
−1
0
1
2
A/A (95)
A/G (165)
G/G (92)
rs607268 (Chr1:57379672)
Locus 210 sentinel (tags KORA rs626457), p=0.5

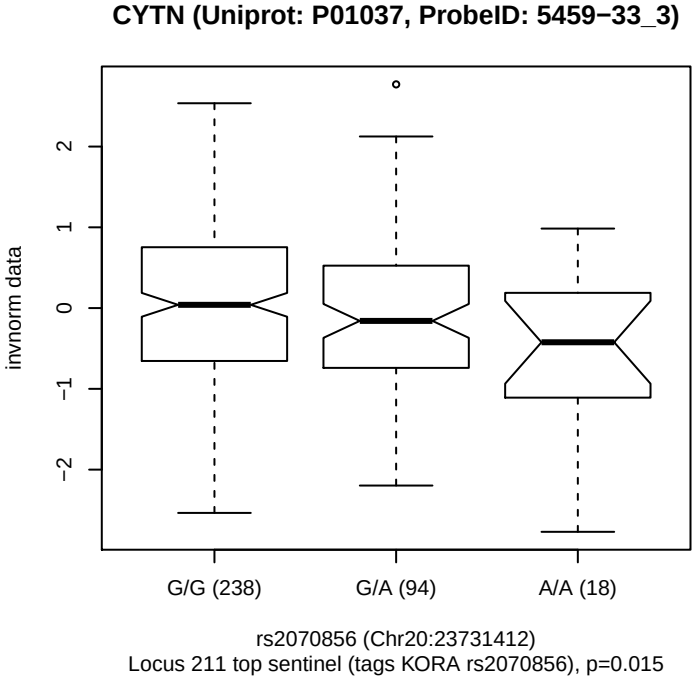

CYTN (Uniprot: P01037, ProbeID: 5459−33_3)
Frequency
0
50
100
150
200
250
300
350
0
5000
10000
15000
20000
25000
30000
35000
raw data
Cystatin−SN

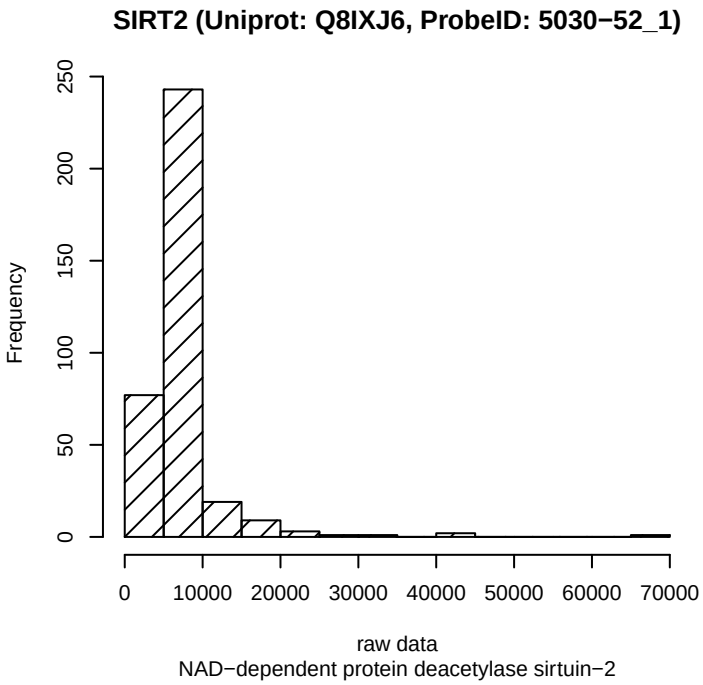

CYTN (Uniprot: P01037, ProbeID: 5459−33_3)
raw data
0
5000
15000
25000
G/G (238)
G/A (94)
A/A (18)
rs2070856 (Chr20:23731412)
Locus 211 top sentinel (tags KORA rs2070856), p=0.62

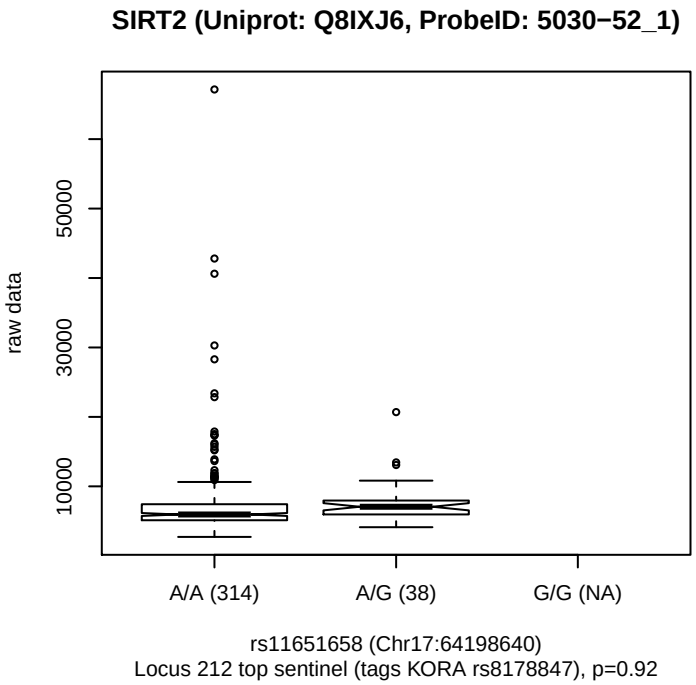

CYTN (Uniprot: P01037, ProbeID: 5459−33_3)
Frequency
0
20
40
60
80
100
8
10
12
14
log2−scaled data
Cystatin−SN

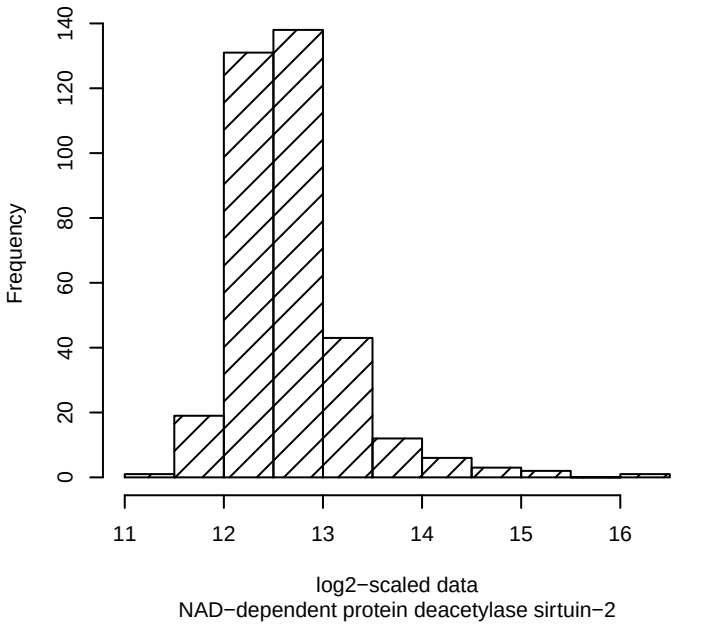

CYTN (Uniprot: P01037, ProbeID: 5459−33_3)
log2−scaled data
9
10
11
12
13
14
15
G/G (238)
G/A (94)
A/A (18)
rs2070856 (Chr20:23731412)
Locus 211 top sentinel (tags KORA rs2070856), p=0.11, FC=−1.0846

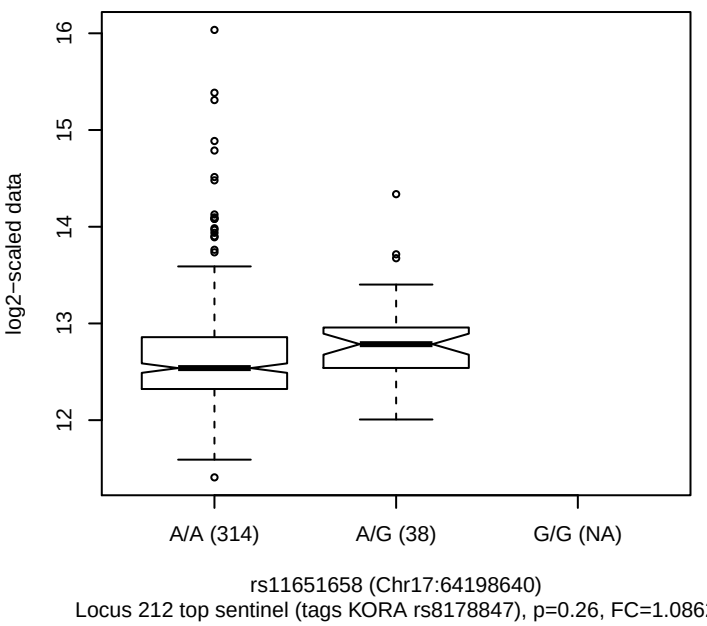

CYTN (Uniprot: P01037, ProbeID: 5459−33_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Cystatin−SN

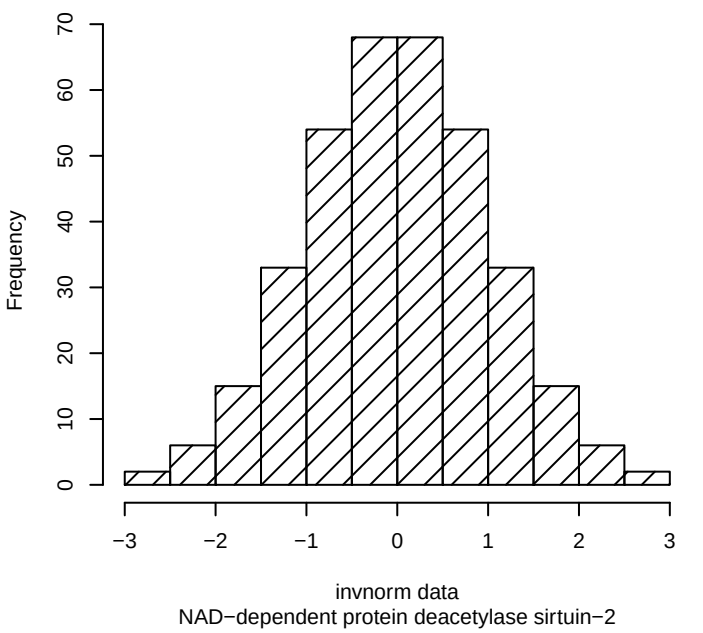

CYTN (Uniprot: P01037, ProbeID: 5459−33_3)
invnorm data
−2
−1
0
1
2
G/G (238)
G/A (94)
A/A (18)
rs2070856 (Chr20:23731412)
Locus 211 top sentinel (tags KORA rs2070856), p=0.015

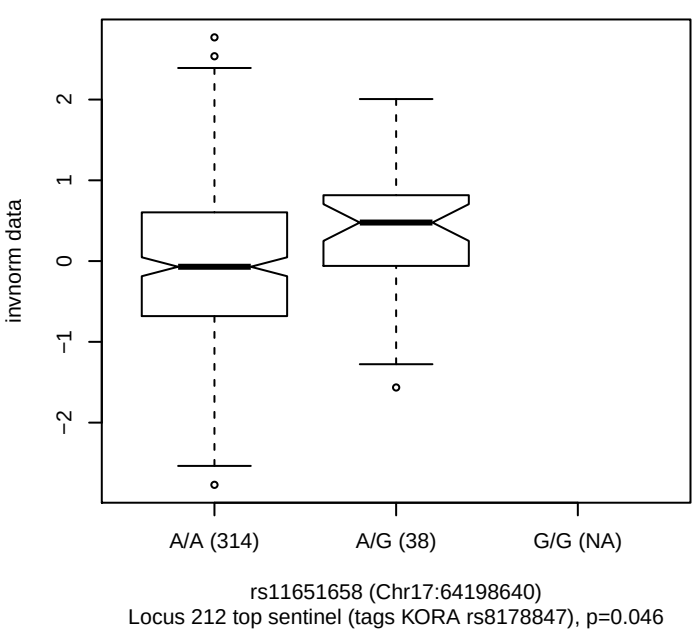

SIRT2 (Uniprot: Q8IXJ6, ProbeID: 5030−52_1)
Frequency
0
50
100
150
200
250
0
10000
20000
30000
40000
50000
60000
70000
raw data
NAD−dependent protein deacetylase sirtuin−2

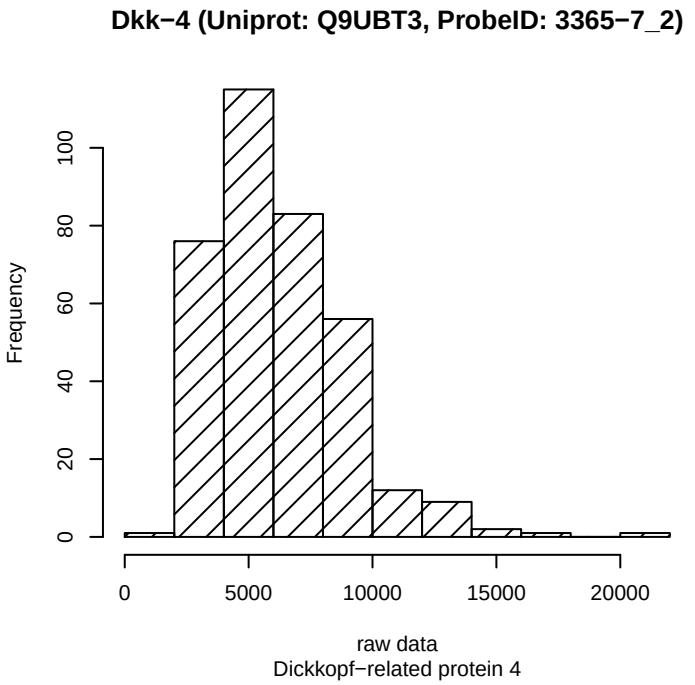

SIRT2 (Uniprot: Q8IXJ6, ProbeID: 5030−52_1)
raw data
10000
30000
50000
A/A (314)
A/G (38)
G/G (NA)
rs11651658 (Chr17:64198640)
Locus 212 top sentinel (tags KORA rs8178847), p=0.92

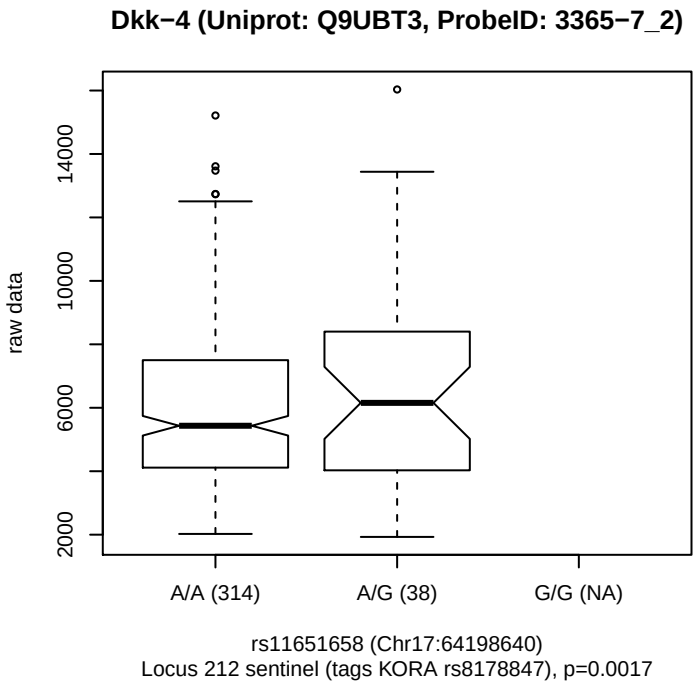

SIRT2 (Uniprot: Q8IXJ6, ProbeID: 5030−52_1)
Frequency
0
20
40
60
80
100
120
140
11
12
13
14
15
16
log2−scaled data
NAD−dependent protein deacetylase sirtuin−2

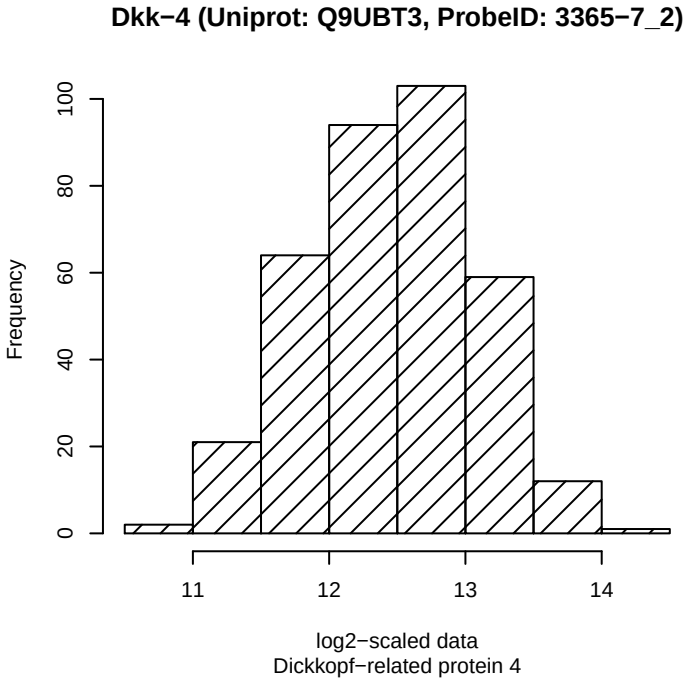

SIRT2 (Uniprot: Q8IXJ6, ProbeID: 5030−52_1)
log2−scaled data
12
13
14
15
16
A/A (314)
A/G (38)
G/G (NA)
rs11651658 (Chr17:64198640)
Locus 212 top sentinel (tags KORA rs8178847), p=0.26, FC=1.0862

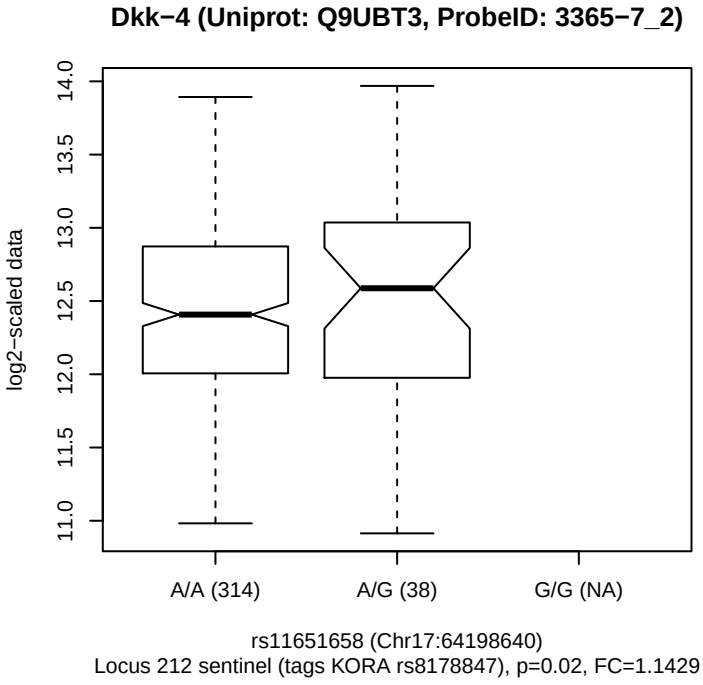

SIRT2 (Uniprot: Q8IXJ6, ProbeID: 5030−52_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
NAD−dependent protein deacetylase sirtuin−2

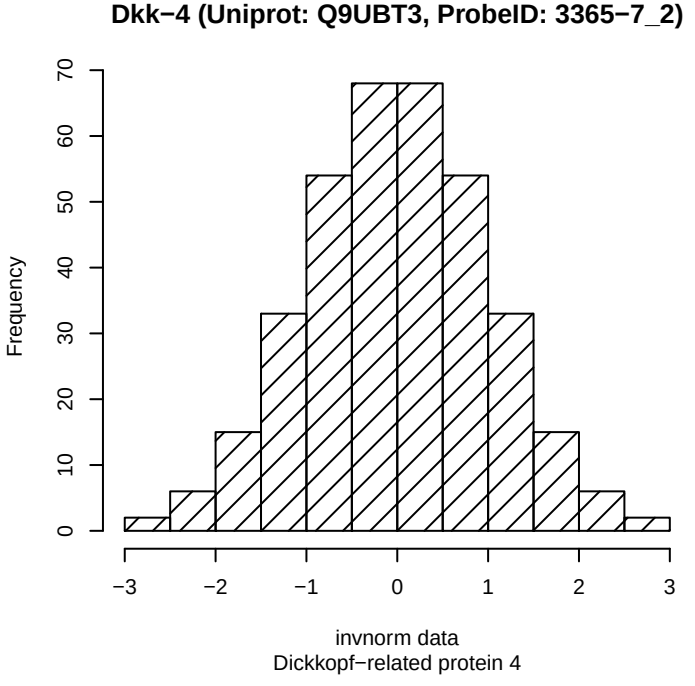

SIRT2 (Uniprot: Q8IXJ6, ProbeID: 5030−52_1)
invnorm data
−2
−1
0
1
2
A/A (314)
A/G (38)
G/G (NA)
rs11651658 (Chr17:64198640)
Locus 212 top sentinel (tags KORA rs8178847), p=0.046

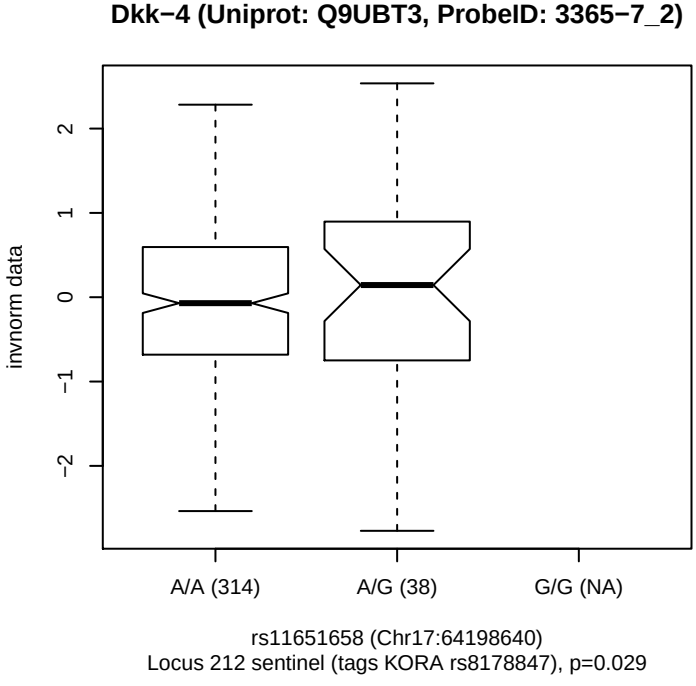

Dkk−4 (Uniprot: Q9UBT3, ProbeID: 3365−7_2)
Frequency
0
20
40
60
80
100
0
5000
10000
15000
20000
raw data
Dickkopf−related protein 4

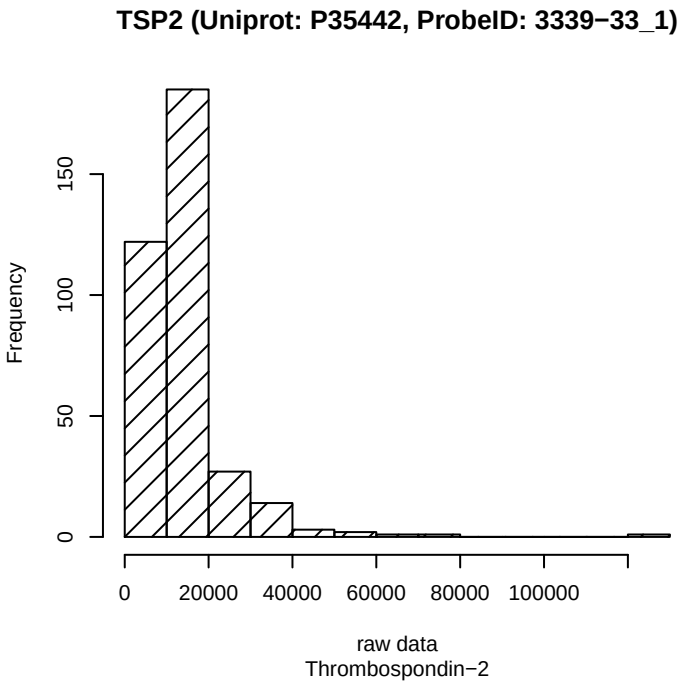

Dkk−4 (Uniprot: Q9UBT3, ProbeID: 3365−7_2)
raw data
2000
6000
10000
14000
A/A (314)
A/G (38)
G/G (NA)
rs11651658 (Chr17:64198640)
Locus 212 sentinel (tags KORA rs8178847), p=0.0017

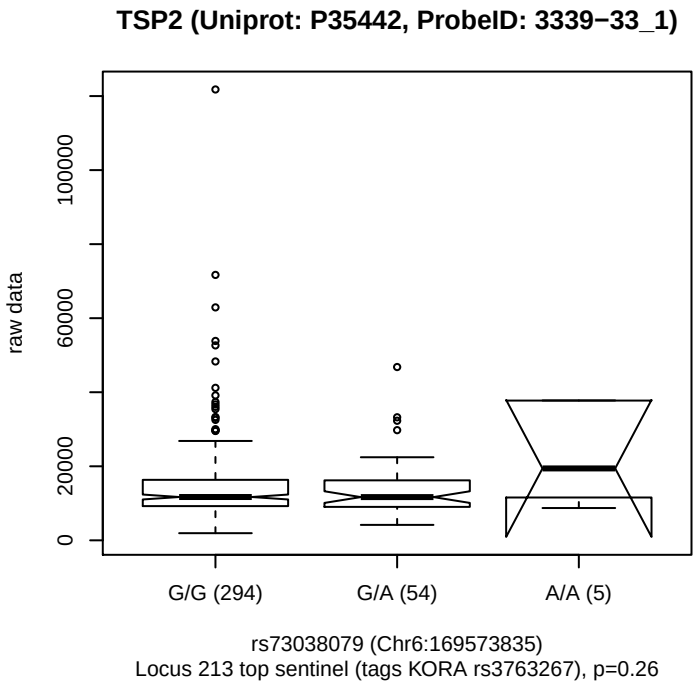

Dkk−4 (Uniprot: Q9UBT3, ProbeID: 3365−7_2)
Frequency
0
20
40
60
80
100
11
12
13
14
log2−scaled data
Dickkopf−related protein 4

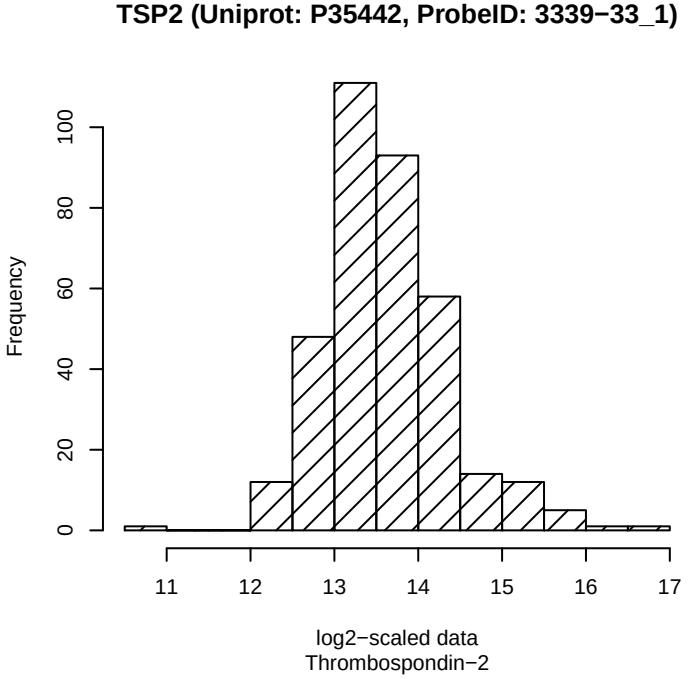

Dkk−4 (Uniprot: Q9UBT3, ProbeID: 3365−7_2)
log2−scaled data
11.0
11.5
12.0
12.5
13.0
13.5
14.0
A/A (314)
A/G (38)
G/G (NA)
rs11651658 (Chr17:64198640)
Locus 212 sentinel (tags KORA rs8178847), p=0.02, FC=1.1429

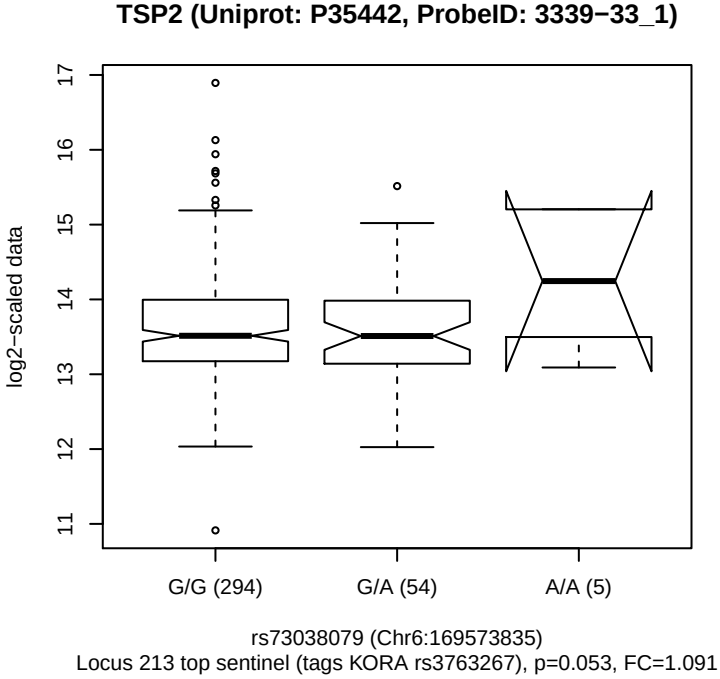

Dkk−4 (Uniprot: Q9UBT3, ProbeID: 3365−7_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Dickkopf−related protein 4

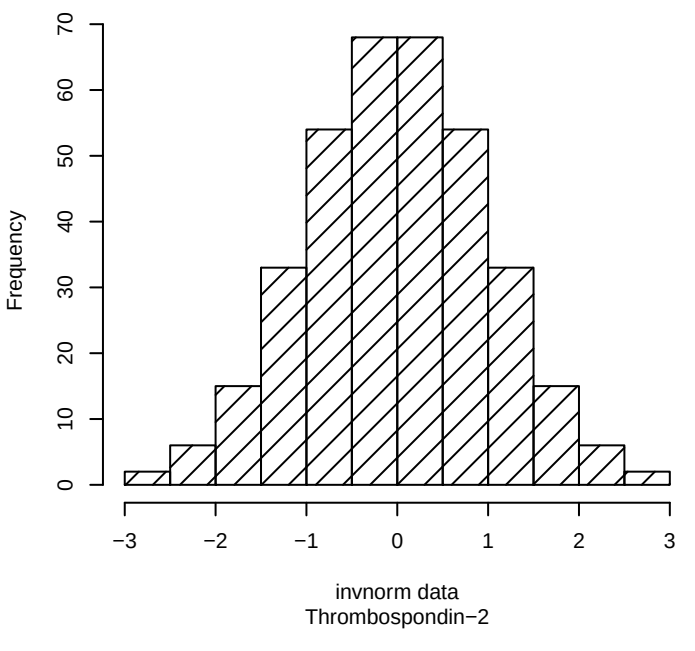

Dkk−4 (Uniprot: Q9UBT3, ProbeID: 3365−7_2)
invnorm data
−2
−1
0
1
2
A/A (314)
A/G (38)
G/G (NA)
rs11651658 (Chr17:64198640)
Locus 212 sentinel (tags KORA rs8178847), p=0.029

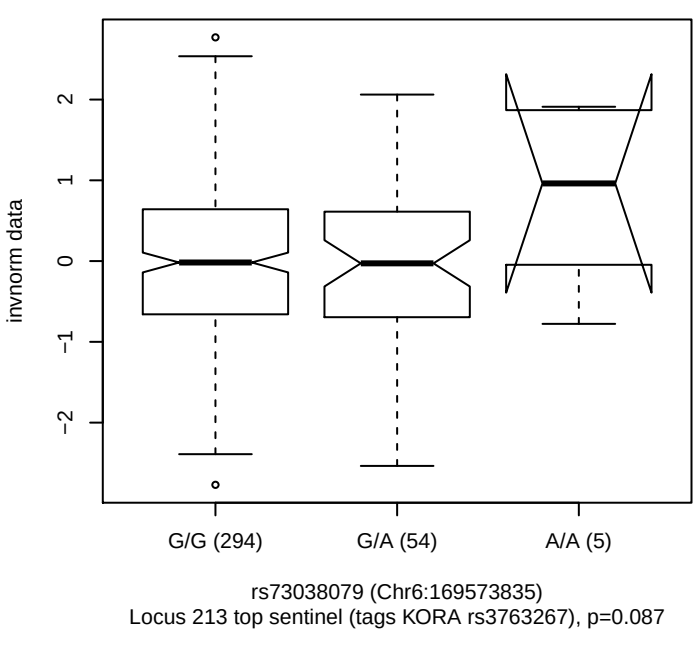

TSP2 (Uniprot: P35442, ProbeID: 3339−33_1)
Frequency
0
50
100
150
0
20000
40000
60000
80000
100000
raw data
Thrombospondin−2

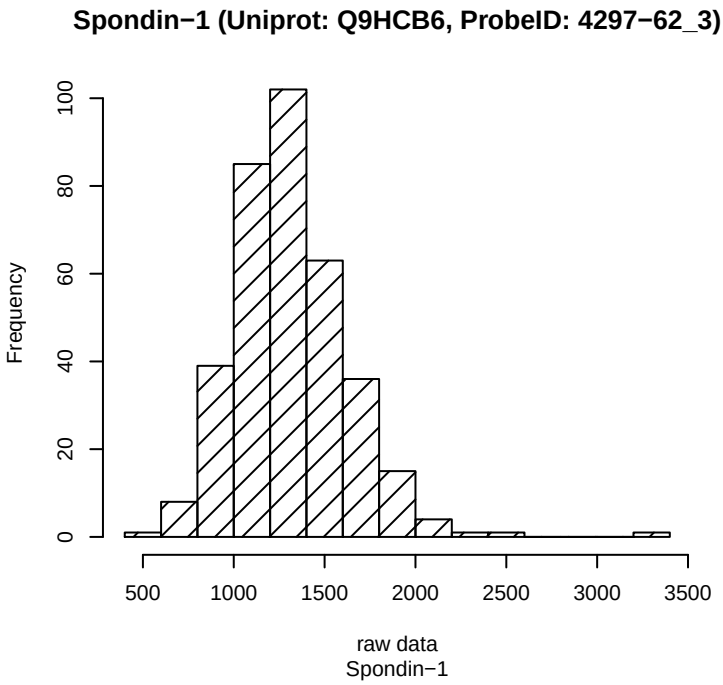

TSP2 (Uniprot: P35442, ProbeID: 3339−33_1)
raw data
0
20000
60000
100000
G/G (294)
G/A (54)
A/A (5)
rs73038079 (Chr6:169573835)
Locus 213 top sentinel (tags KORA rs3763267), p=0.26

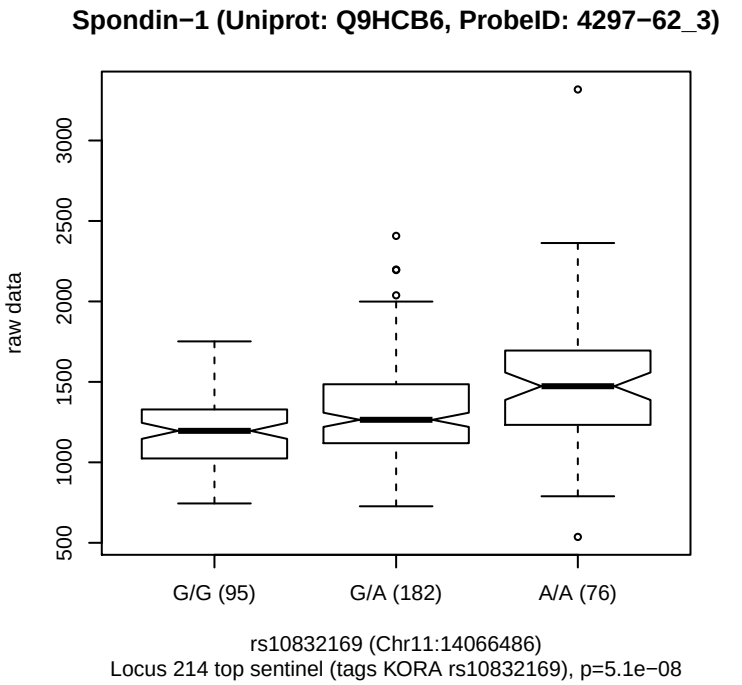

TSP2 (Uniprot: P35442, ProbeID: 3339−33_1)
Frequency
0
20
40
60
80
100
11
12
13
14
15
16
17
log2−scaled data
Thrombospondin−2

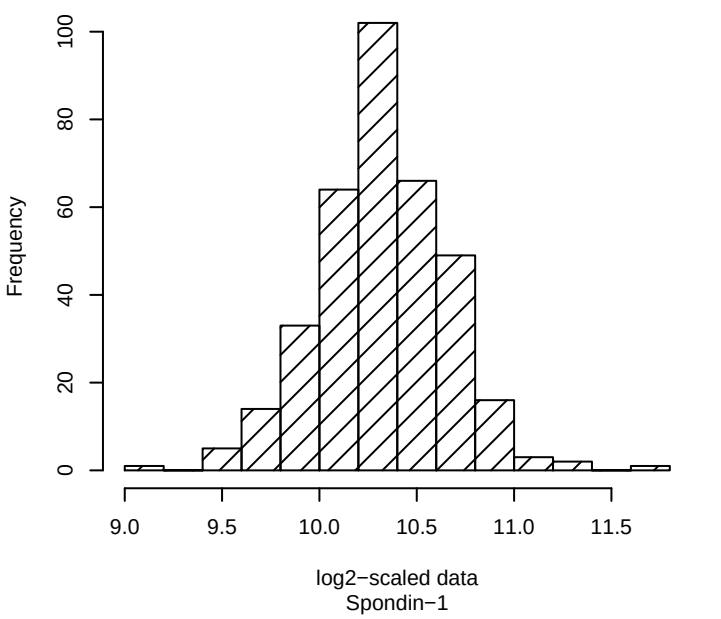

TSP2 (Uniprot: P35442, ProbeID: 3339−33_1)
log2−scaled data
11
12
13
14
15
16
17
G/G (294)
G/A (54)
A/A (5)
rs73038079 (Chr6:169573835)
Locus 213 top sentinel (tags KORA rs3763267), p=0.053, FC=1.091

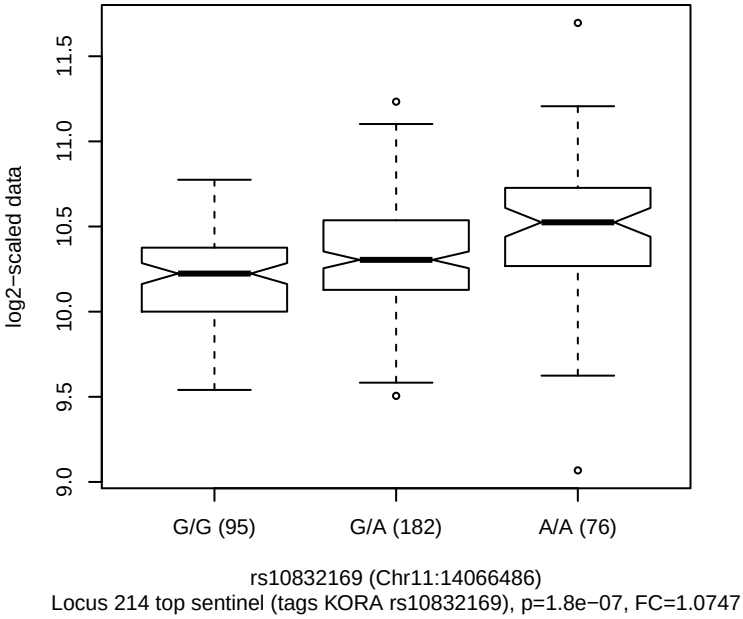

TSP2 (Uniprot: P35442, ProbeID: 3339−33_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Thrombospondin−2

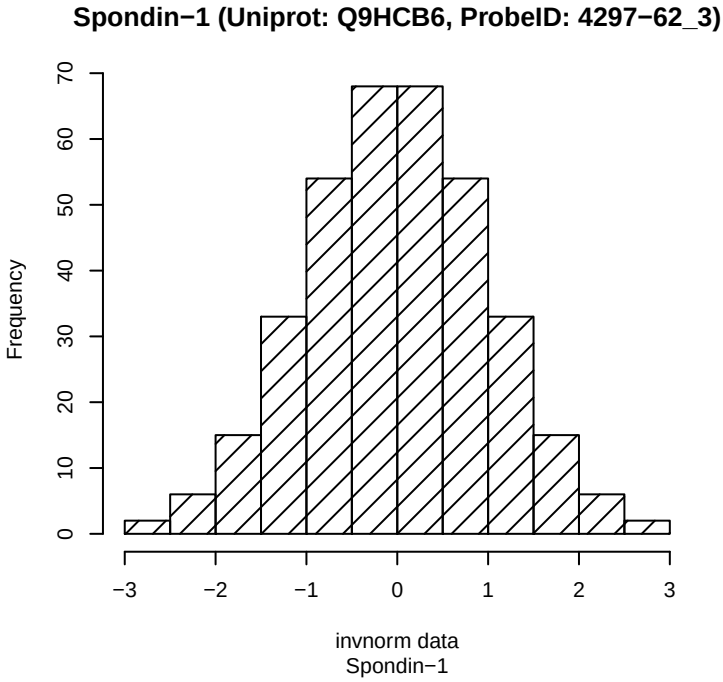

TSP2 (Uniprot: P35442, ProbeID: 3339−33_1)
invnorm data
−2
−1
0
1
2
G/G (294)
G/A (54)
A/A (5)
rs73038079 (Chr6:169573835)
Locus 213 top sentinel (tags KORA rs3763267), p=0.087

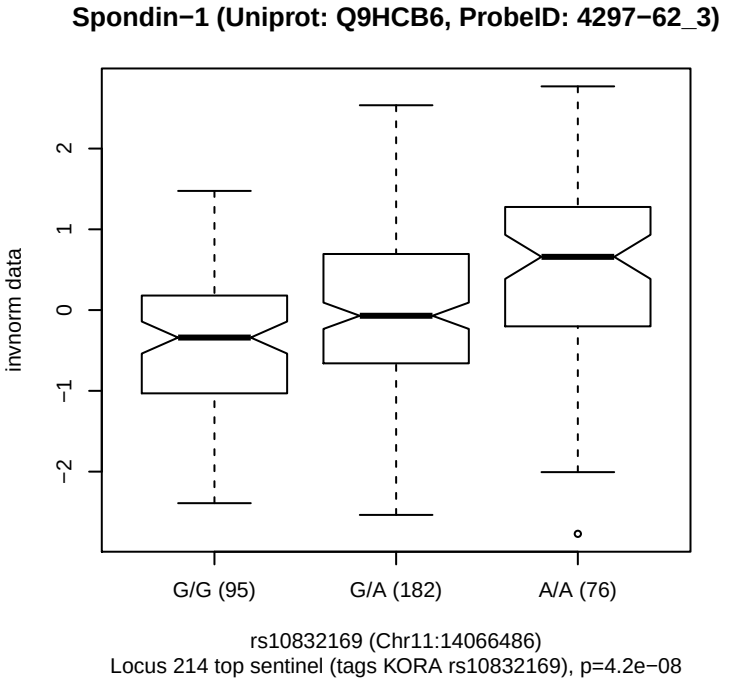

Spondin−1 (Uniprot: Q9HCB6, ProbeID: 4297−62_3)
Frequency
0
20
40
60
80
100
500
1000
1500
2000
2500
3000
3500
raw data
Spondin−1

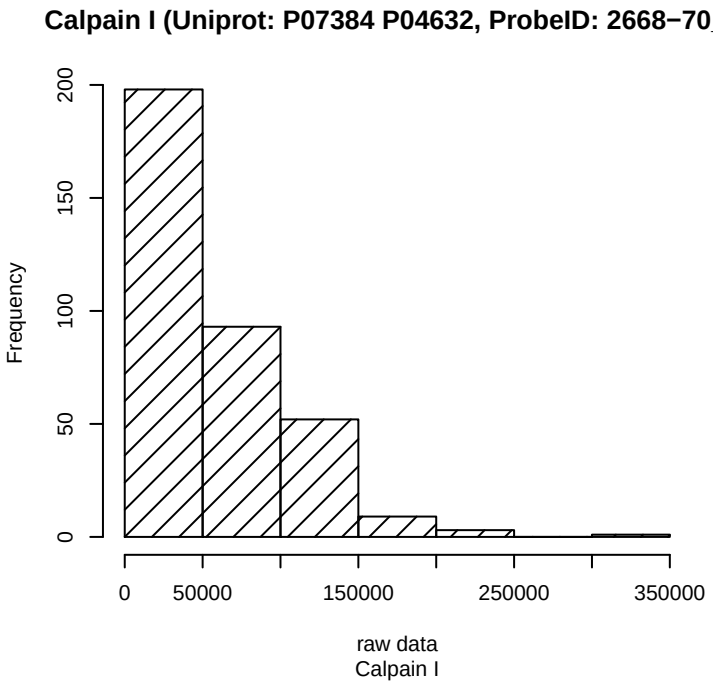

Spondin−1 (Uniprot: Q9HCB6, ProbeID: 4297−62_3)
raw data
500
1000
1500
2000
2500
3000
G/G (95)
G/A (182)
A/A (76)
rs10832169 (Chr11:14066486)
Locus 214 top sentinel (tags KORA rs10832169), p=5.1e−08

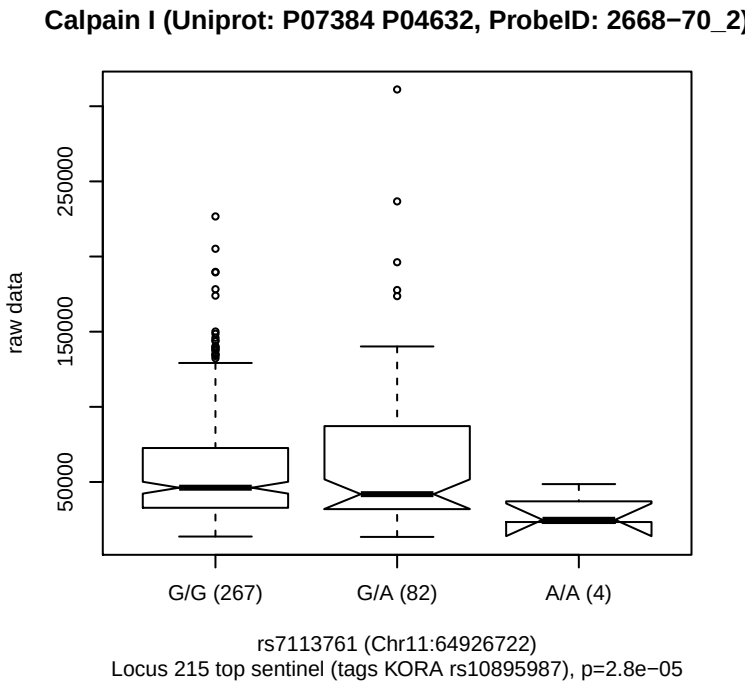

Spondin−1 (Uniprot: Q9HCB6, ProbeID: 4297−62_3)
Frequency
0
20
40
60
80
100
9.0
9.5
10.0
10.5
11.0
11.5
log2−scaled data
Spondin−1

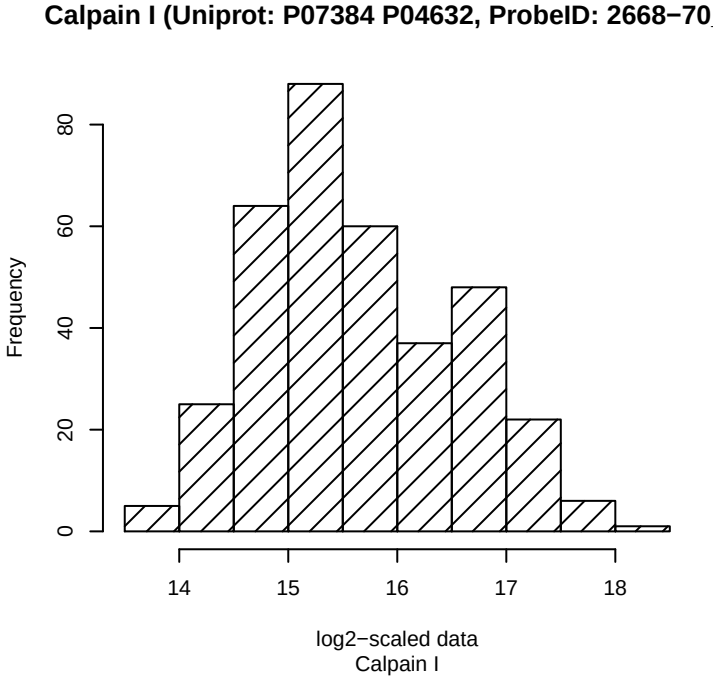

Spondin−1 (Uniprot: Q9HCB6, ProbeID: 4297−62_3)
log2−scaled data
9.0
9.5
10.0
10.5
11.0
11.5
G/G (95)
G/A (182)
A/A (76)
rs10832169 (Chr11:14066486)
Locus 214 top sentinel (tags KORA rs10832169), p=1.8e−07, FC=1.0747

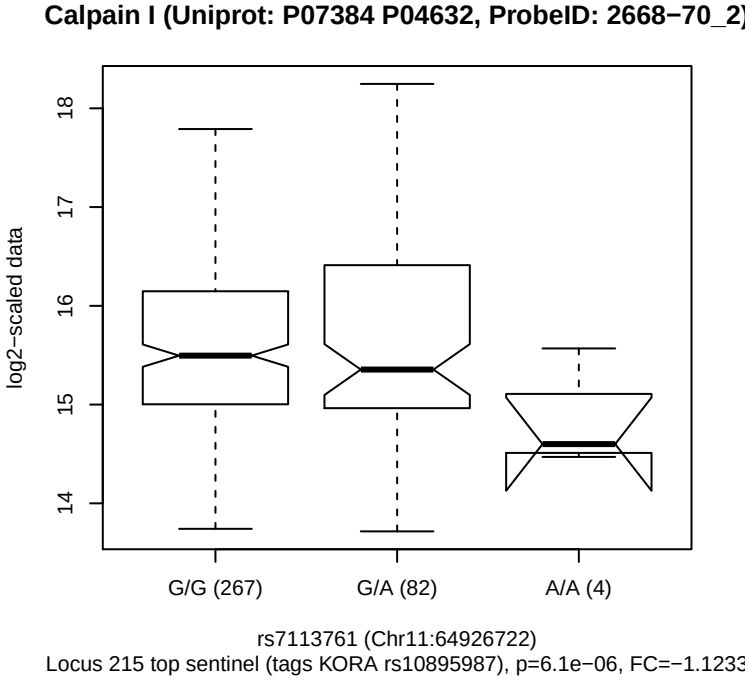

Spondin−1 (Uniprot: Q9HCB6, ProbeID: 4297−62_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Spondin−1

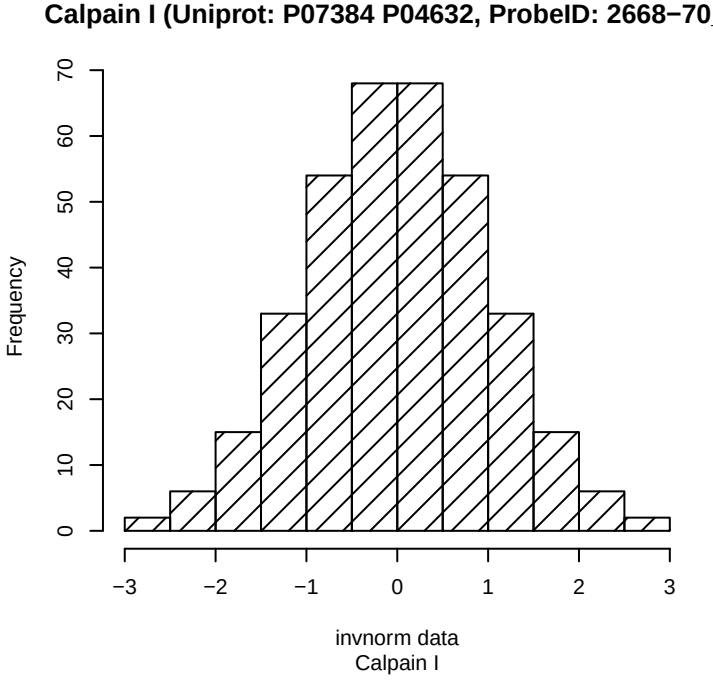

Spondin−1 (Uniprot: Q9HCB6, ProbeID: 4297−62_3)
invnorm data
−2
−1
0
1
2
G/G (95)
G/A (182)
A/A (76)
rs10832169 (Chr11:14066486)
Locus 214 top sentinel (tags KORA rs10832169), p=4.2e−08

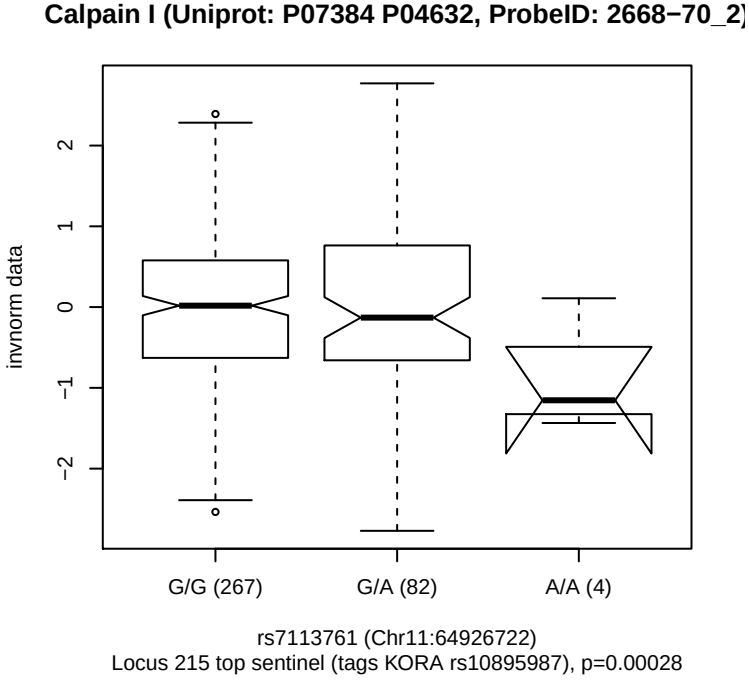

Calpain I (Uniprot: P07384 P04632, ProbeID: 2668−70_2)
Frequency
0
50
100
150
200
0
50000
150000
250000
350000
raw data
Calpain I

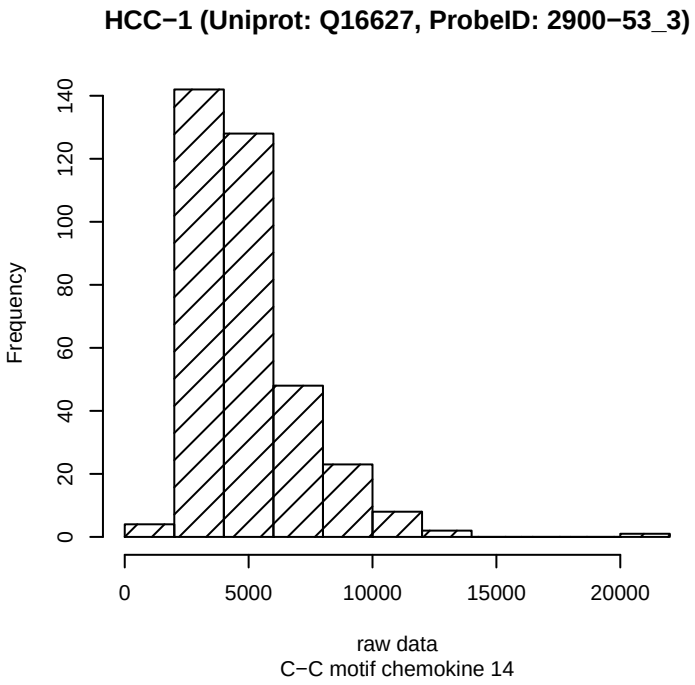

Calpain I (Uniprot: P07384 P04632, ProbeID: 2668−70_2)
raw data
50000
150000
250000
G/G (267)
G/A (82)
A/A (4)
rs7113761 (Chr11:64926722)
Locus 215 top sentinel (tags KORA rs10895987), p=2.8e−05

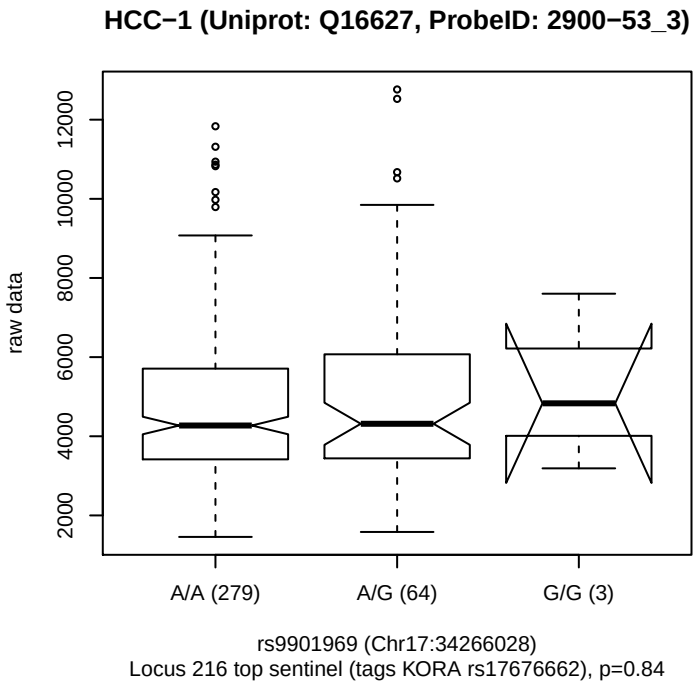

Calpain I (Uniprot: P07384 P04632, ProbeID: 2668−70_2)
Frequency
0
20
40
60
80
14
15
16
17
18
log2−scaled data
Calpain I

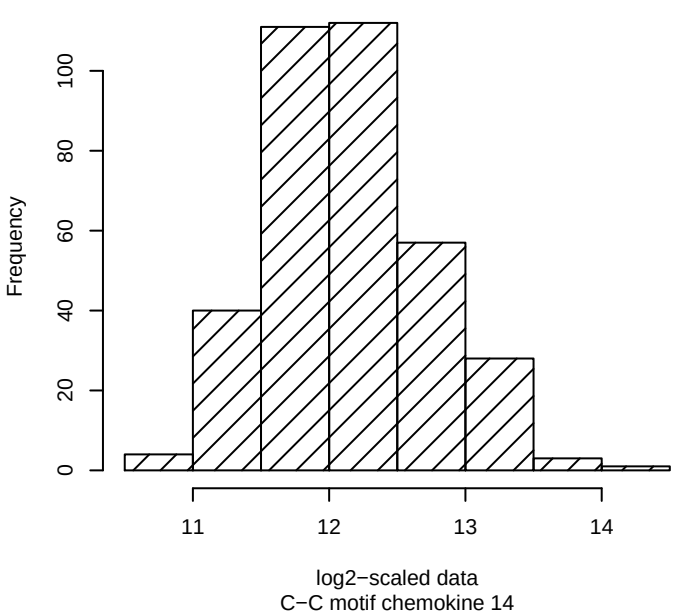

Calpain I (Uniprot: P07384 P04632, ProbeID: 2668−70_2)
log2−scaled data
14
15
16
17
18
G/G (267)
G/A (82)
A/A (4)
rs7113761 (Chr11:64926722)
Locus 215 top sentinel (tags KORA rs10895987), p=6.1e−06, FC=−1.1233

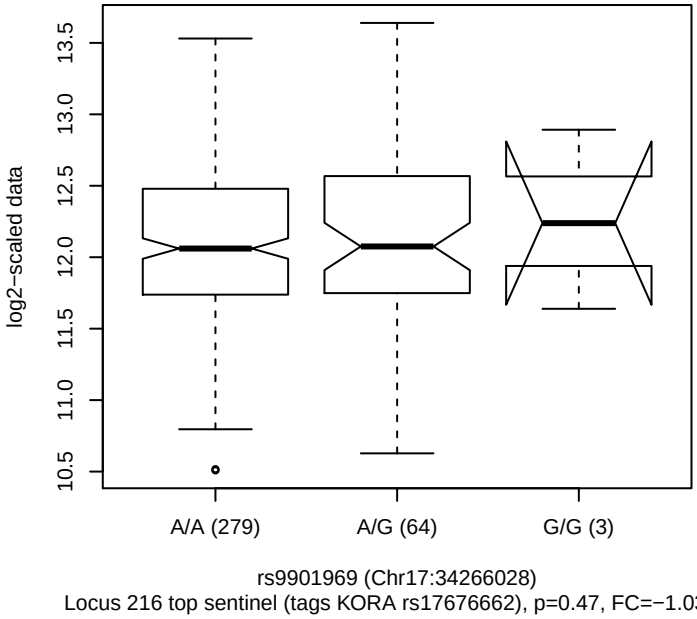

Calpain I (Uniprot: P07384 P04632, ProbeID: 2668−70_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Calpain I

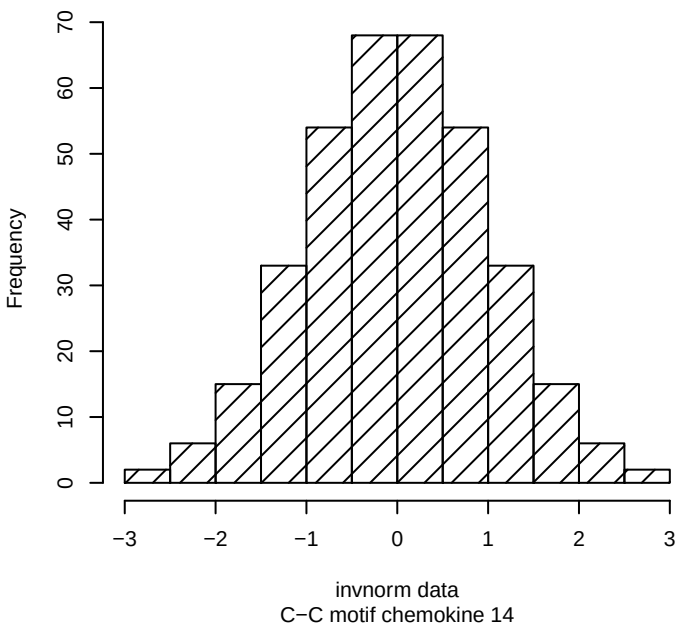

Calpain I (Uniprot: P07384 P04632, ProbeID: 2668−70_2)
invnorm data
−2
−1
0
1
2
G/G (267)
G/A (82)
A/A (4)
rs7113761 (Chr11:64926722)
Locus 215 top sentinel (tags KORA rs10895987), p=0.00028

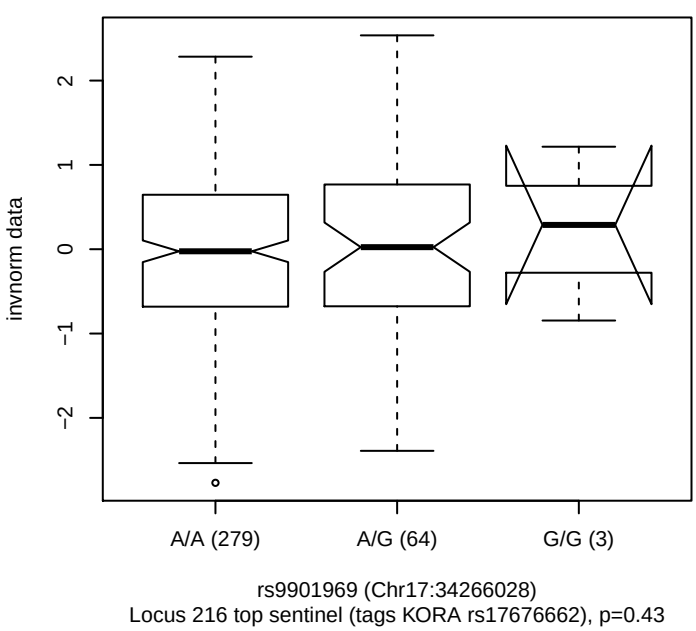

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
Frequency
0
20
40
60
80
100
120
140
0
5000
10000
15000
20000
raw data
C−C motif chemokine 14

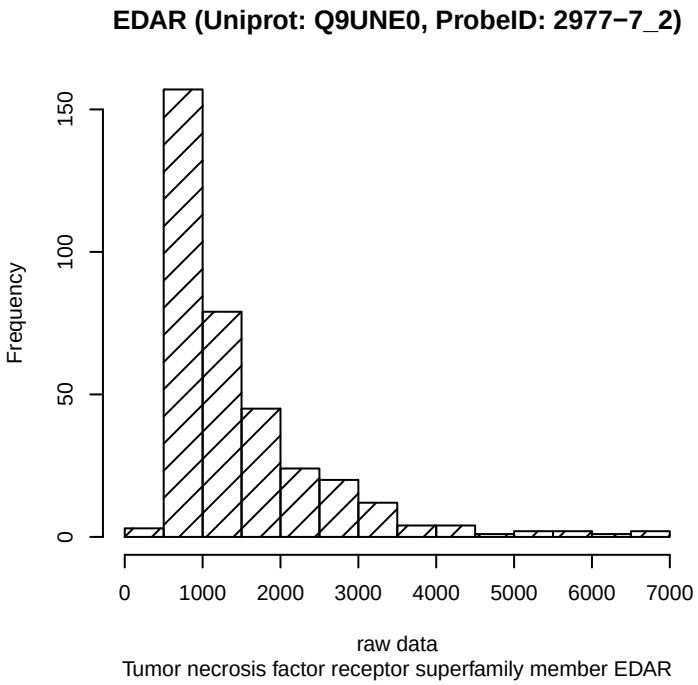

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
raw data
2000
4000
6000
8000
10000
12000
A/A (279)
A/G (64)
G/G (3)
rs9901969 (Chr17:34266028)
Locus 216 top sentinel (tags KORA rs17676662), p=0.84

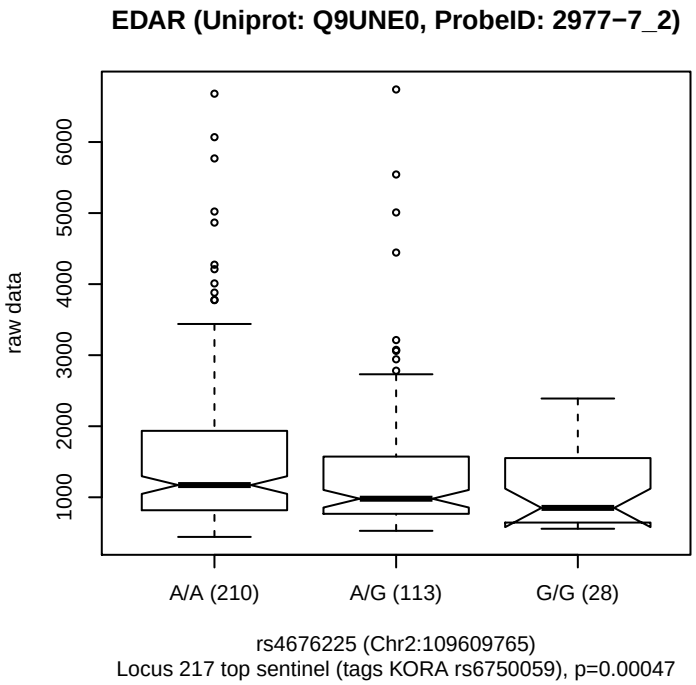

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
Frequency
0
20
40
60
80
100
11
12
13
14
log2−scaled data
C−C motif chemokine 14

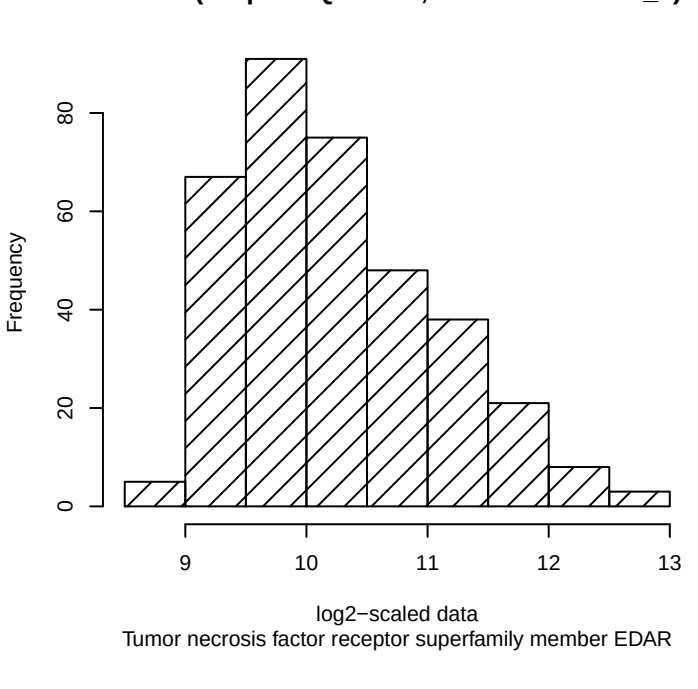

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
log2−scaled data
10.5
11.0
11.5
12.0
12.5
13.0
13.5
A/A (279)
A/G (64)
G/G (3)
rs9901969 (Chr17:34266028)
Locus 216 top sentinel (tags KORA rs17676662), p=0.47, FC=−1.0335

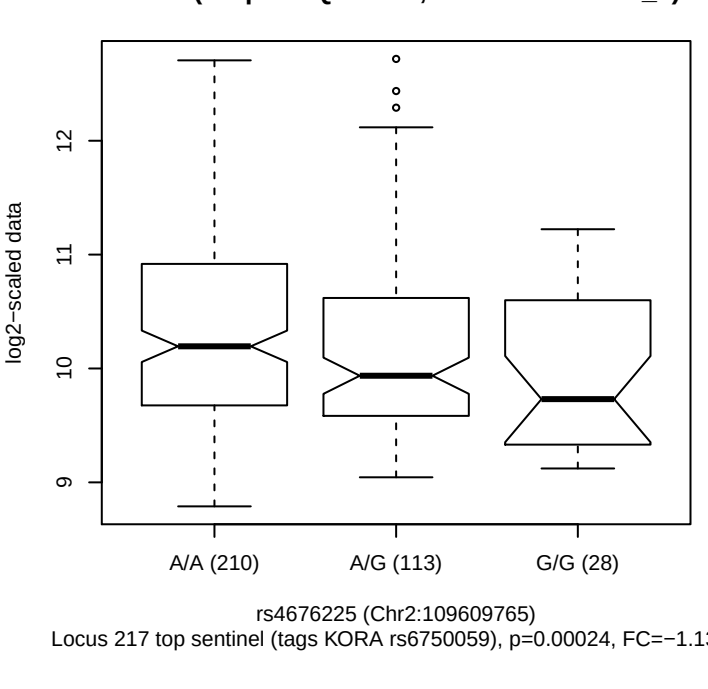

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 14

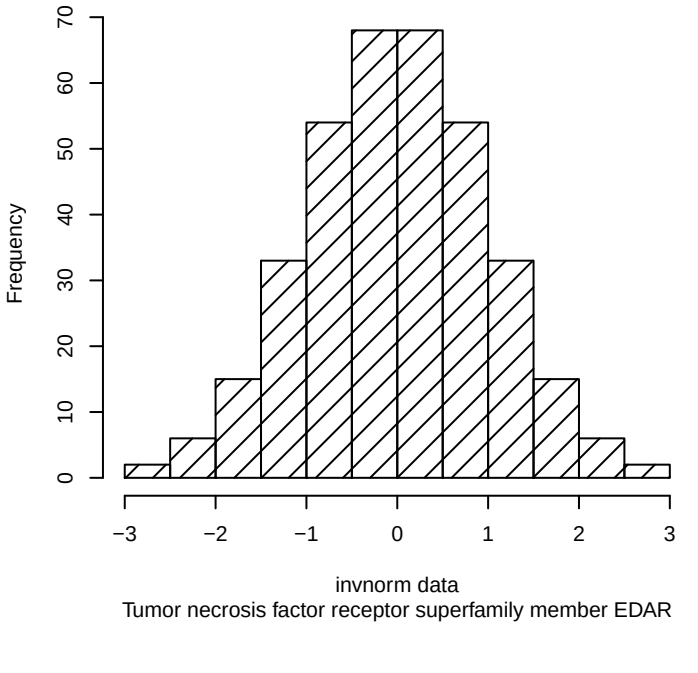

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
invnorm data
−2
−1
0
1
2
A/A (279)
A/G (64)
G/G (3)
rs9901969 (Chr17:34266028)
Locus 216 top sentinel (tags KORA rs17676662), p=0.43

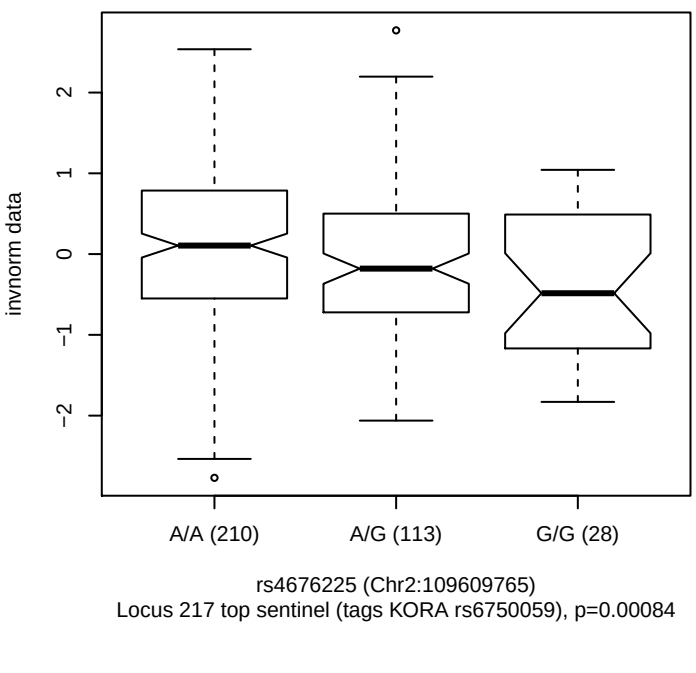

EDAR (Uniprot: Q9UNE0, ProbeID: 2977−7_2)
Frequency
0
50
100
150
0
1000
2000
3000
4000
5000
6000
7000
raw data
Tumor necrosis factor receptor superfamily member EDAR

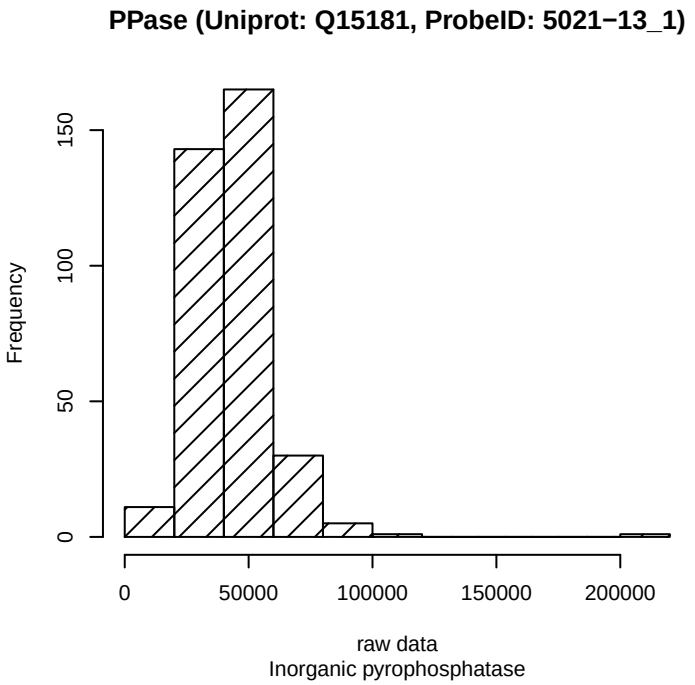

EDAR (Uniprot: Q9UNE0, ProbeID: 2977−7_2)
raw data
1000
2000
3000
4000
5000
6000
A/A (210)
A/G (113)
G/G (28)
rs4676225 (Chr2:109609765)
Locus 217 top sentinel (tags KORA rs6750059), p=0.00047

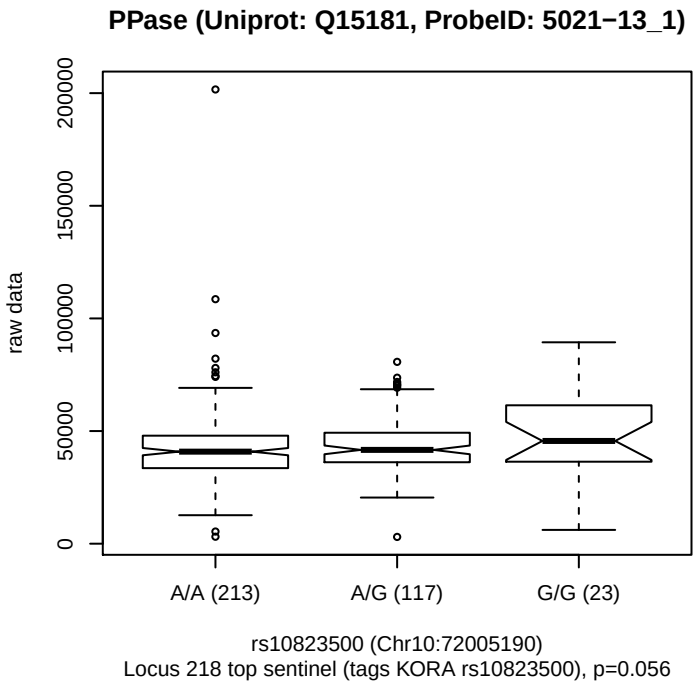

EDAR (Uniprot: Q9UNE0, ProbeID: 2977−7_2)
Frequency
0
20
40
60
80
9
10
11
12
13
log2−scaled data
Tumor necrosis factor receptor superfamily member EDAR

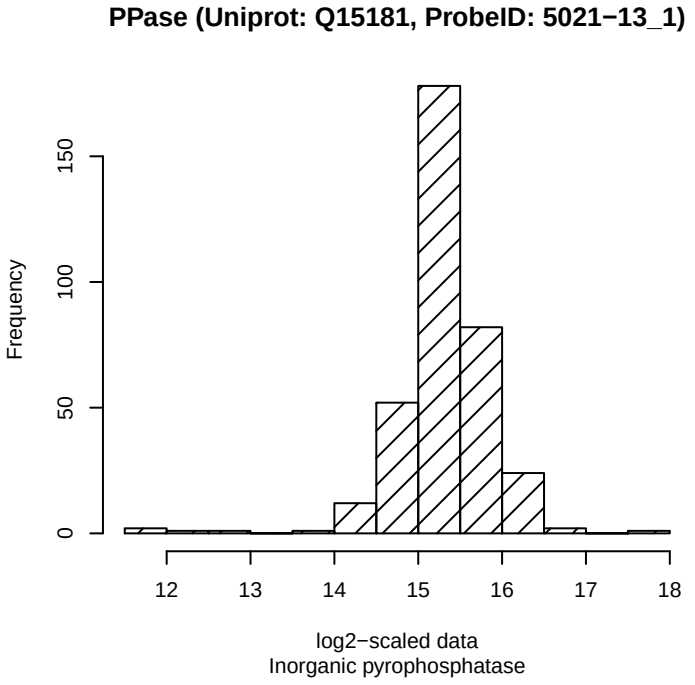

EDAR (Uniprot: Q9UNE0, ProbeID: 2977−7_2)
log2−scaled data
9
10
11
12
A/A (210)
A/G (113)
G/G (28)
rs4676225 (Chr2:109609765)
Locus 217 top sentinel (tags KORA rs6750059), p=0.00024, FC=−1.1316

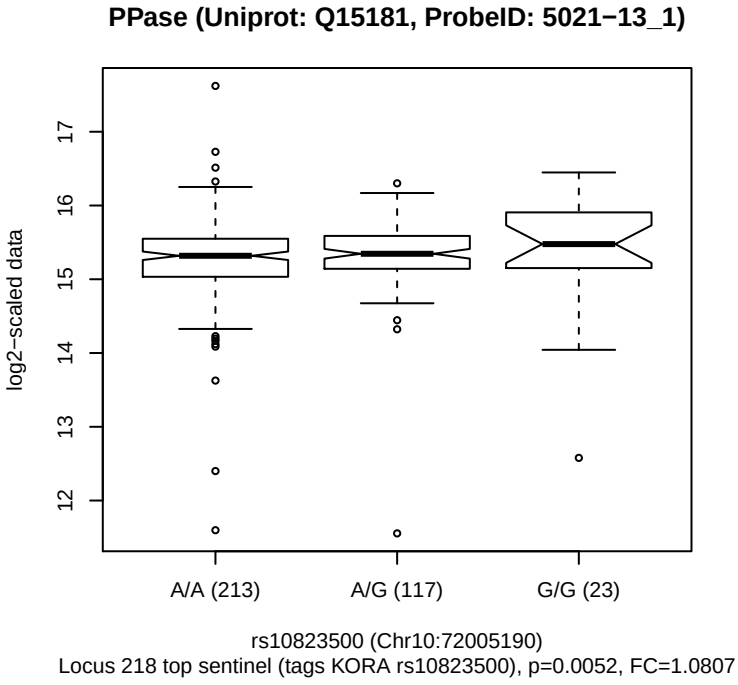

EDAR (Uniprot: Q9UNE0, ProbeID: 2977−7_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Tumor necrosis factor receptor superfamily member EDAR

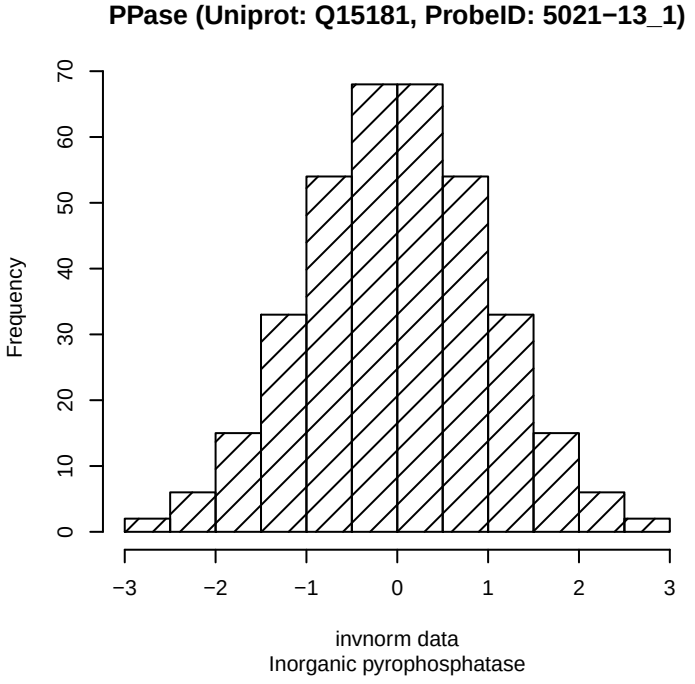

EDAR (Uniprot: Q9UNE0, ProbeID: 2977−7_2)
invnorm data
−2
−1
0
1
2
A/A (210)
A/G (113)
G/G (28)
rs4676225 (Chr2:109609765)
Locus 217 top sentinel (tags KORA rs6750059), p=0.00084

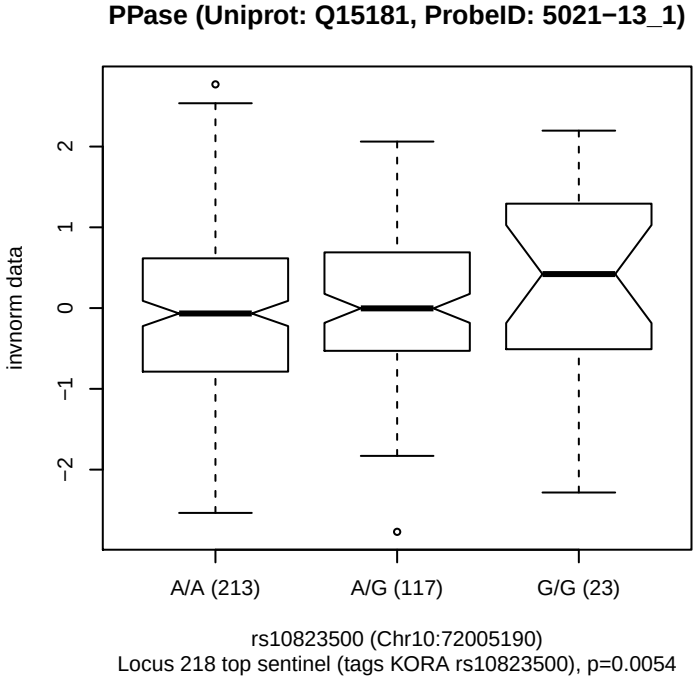

PPase (Uniprot: Q15181, ProbeID: 5021−13_1)
Frequency
0
50
100
150
0
50000
100000
150000
200000
raw data
Inorganic pyrophosphatase

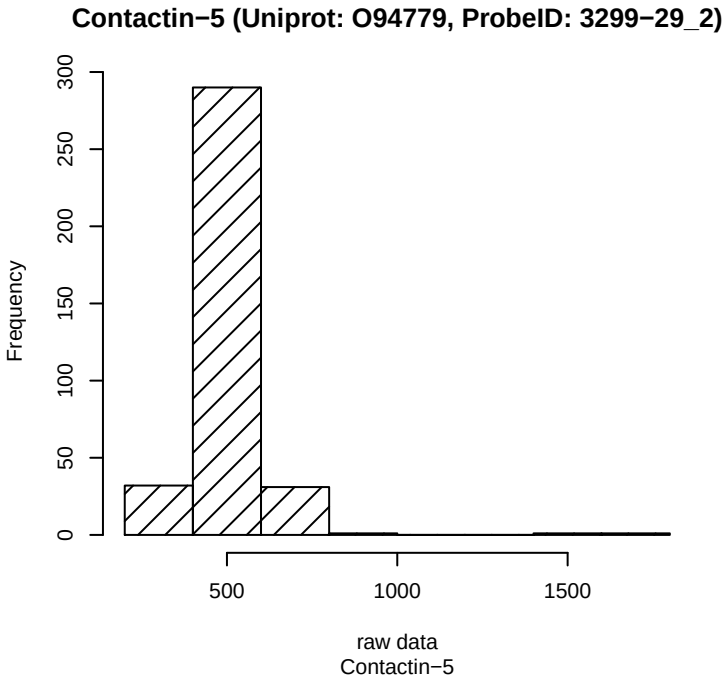

PPase (Uniprot: Q15181, ProbeID: 5021−13_1)
raw data
0
50000
100000
150000
200000
A/A (213)
A/G (117)
G/G (23)
rs10823500 (Chr10:72005190)
Locus 218 top sentinel (tags KORA rs10823500), p=0.056

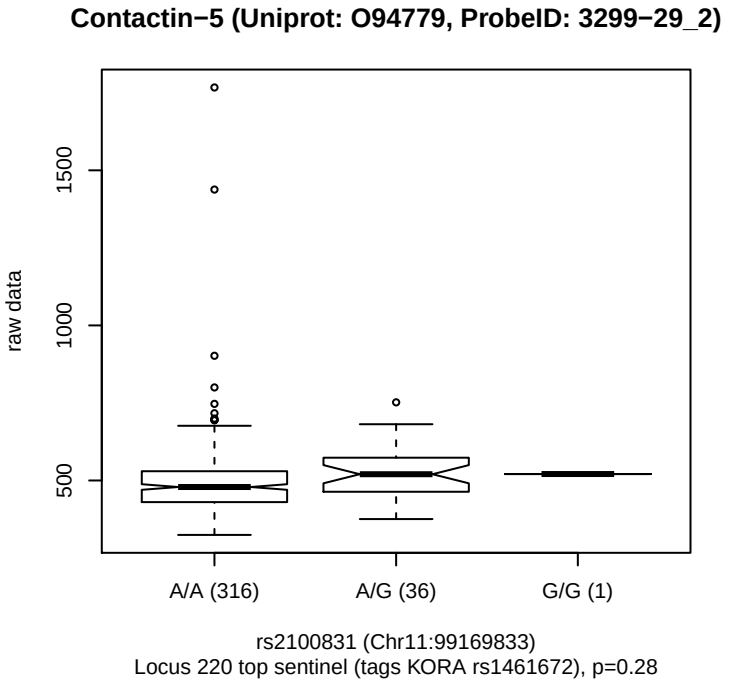

PPase (Uniprot: Q15181, ProbeID: 5021−13_1)
Frequency
0
50
100
150
12
13
14
15
16
17
18
log2−scaled data
Inorganic pyrophosphatase

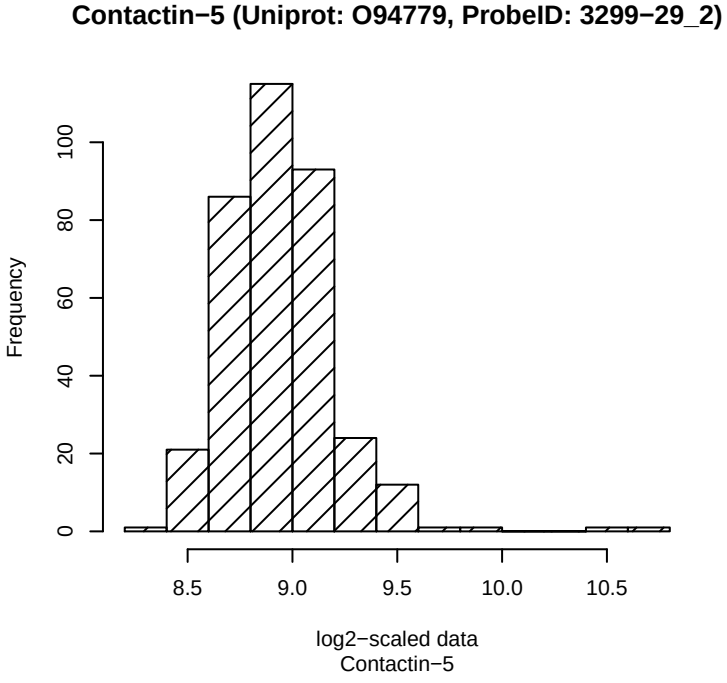

PPase (Uniprot: Q15181, ProbeID: 5021−13_1)
log2−scaled data
12
13
14
15
16
17
A/A (213)
A/G (117)
G/G (23)
rs10823500 (Chr10:72005190)
Locus 218 top sentinel (tags KORA rs10823500), p=0.0052, FC=1.0807

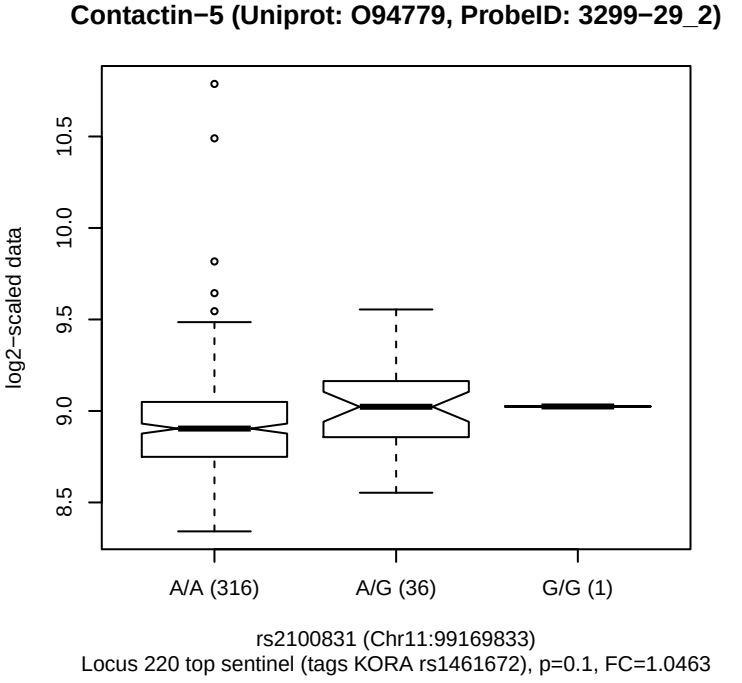

PPase (Uniprot: Q15181, ProbeID: 5021−13_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Inorganic pyrophosphatase

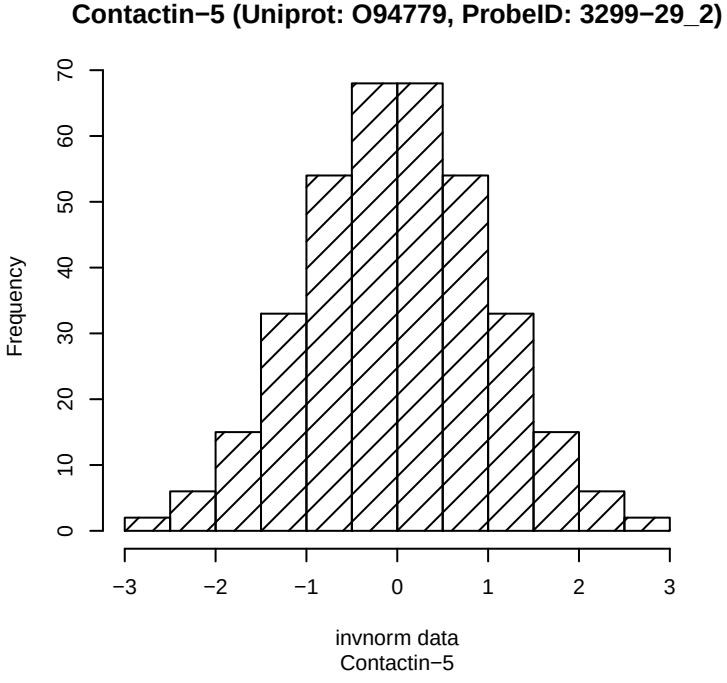

PPase (Uniprot: Q15181, ProbeID: 5021−13_1)
invnorm data
−2
−1
0
1
2
A/A (213)
A/G (117)
G/G (23)
rs10823500 (Chr10:72005190)
Locus 218 top sentinel (tags KORA rs10823500), p=0.0054

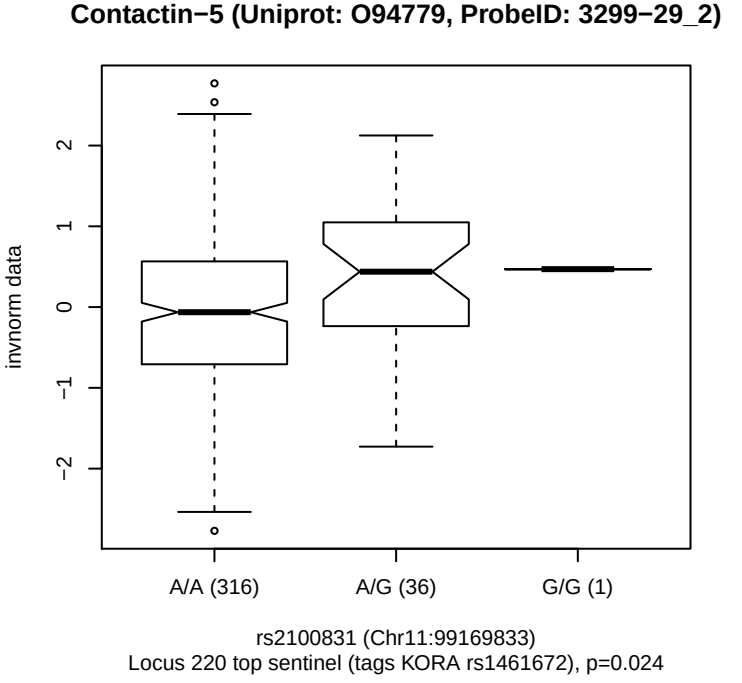

Contactin−5 (Uniprot: O94779, ProbeID: 3299−29_2)
Frequency
0
50
100
150
200
250
300
500
1000
1500
raw data
Contactin−5

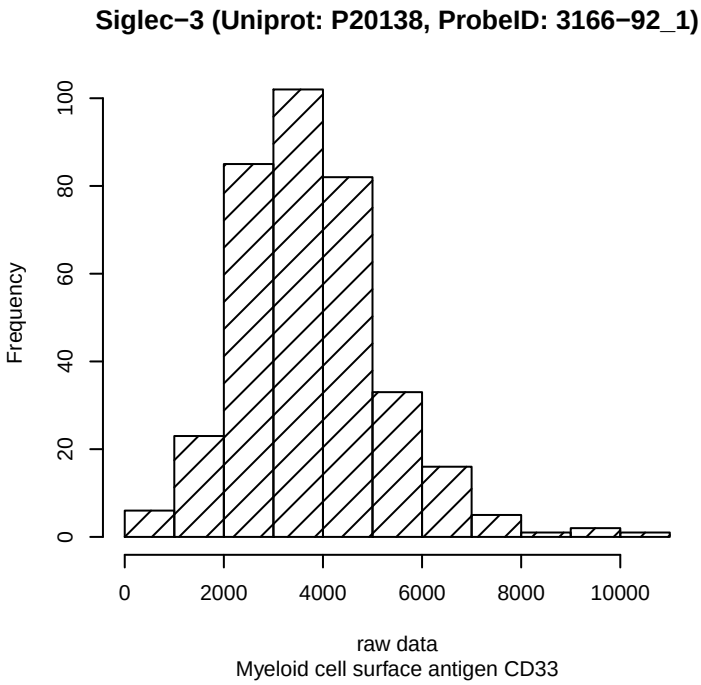

Contactin−5 (Uniprot: O94779, ProbeID: 3299−29_2)
raw data
500
1000
1500
A/A (316)
A/G (36)
G/G (1)
rs2100831 (Chr11:99169833)
Locus 220 top sentinel (tags KORA rs1461672), p=0.28

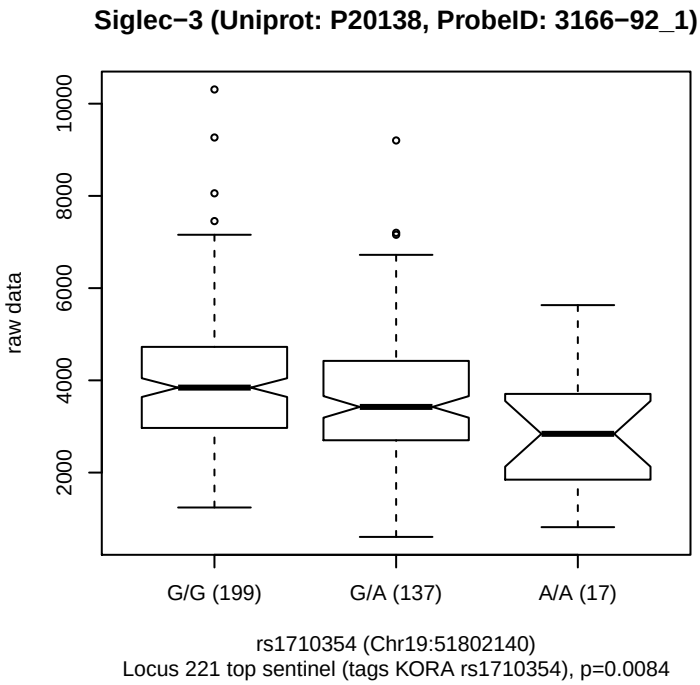

Contactin−5 (Uniprot: O94779, ProbeID: 3299−29_2)
Frequency
0
20
40
60
80
100
8.5
9.0
9.5
10.0
10.5
log2−scaled data
Contactin−5

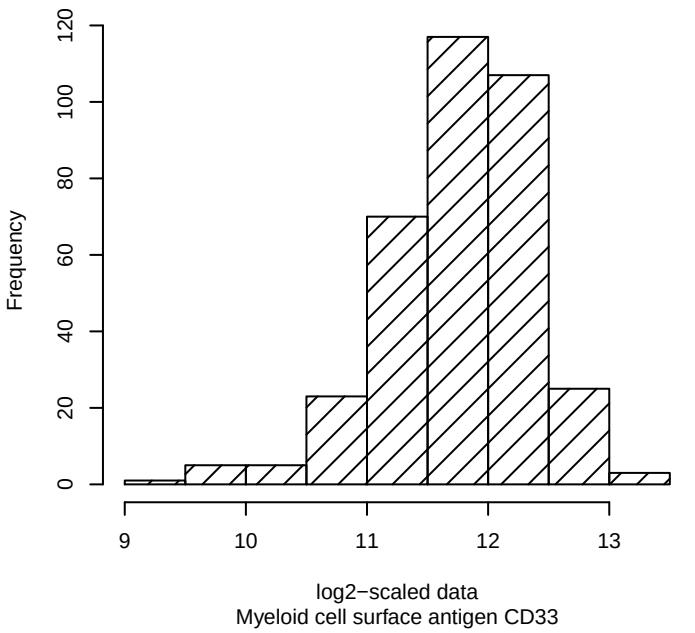

Contactin−5 (Uniprot: O94779, ProbeID: 3299−29_2)
log2−scaled data
8.5
9.0
9.5
10.0
10.5
A/A (316)
A/G (36)
G/G (1)
rs2100831 (Chr11:99169833)
Locus 220 top sentinel (tags KORA rs1461672), p=0.1, FC=1.0463

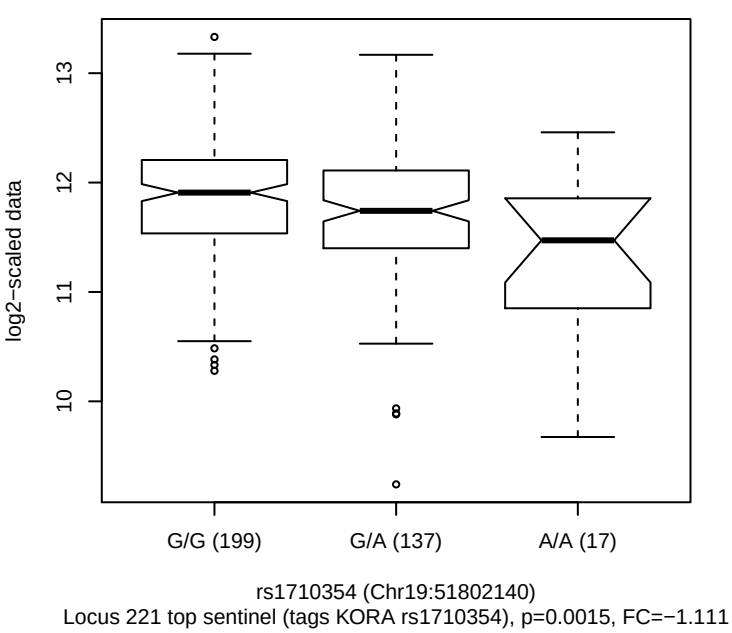

Contactin−5 (Uniprot: O94779, ProbeID: 3299−29_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Contactin−5

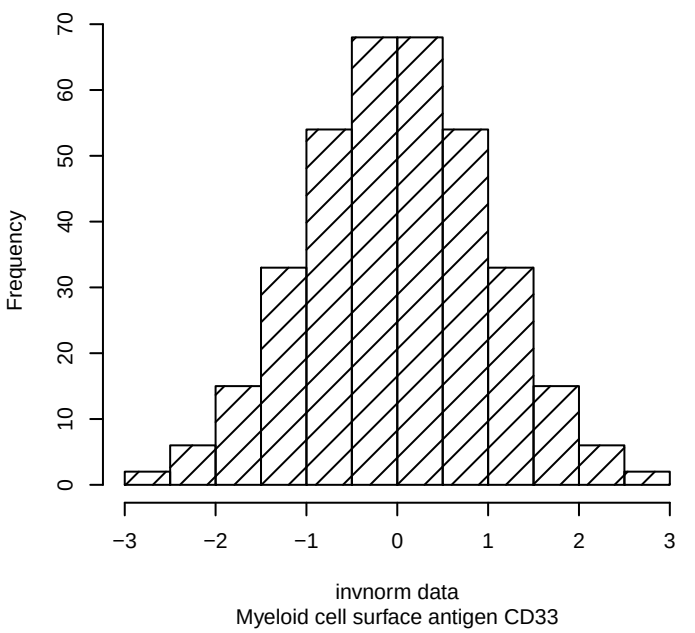

Contactin−5 (Uniprot: O94779, ProbeID: 3299−29_2)
invnorm data
−2
−1
0
1
2
A/A (316)
A/G (36)
G/G (1)
rs2100831 (Chr11:99169833)
Locus 220 top sentinel (tags KORA rs1461672), p=0.024

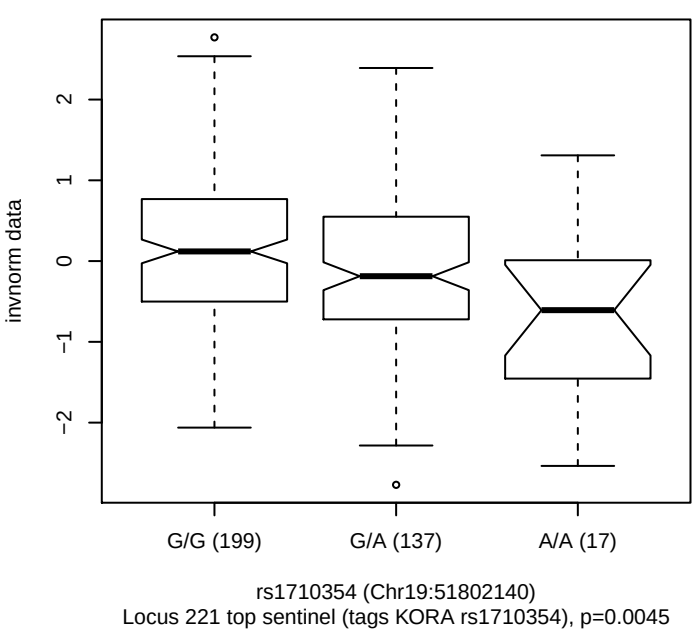

Siglec−3 (Uniprot: P20138, ProbeID: 3166−92_1)
Frequency
0
20
40
60
80
100
0
2000
4000
6000
8000
10000
raw data
Myeloid cell surface antigen CD33

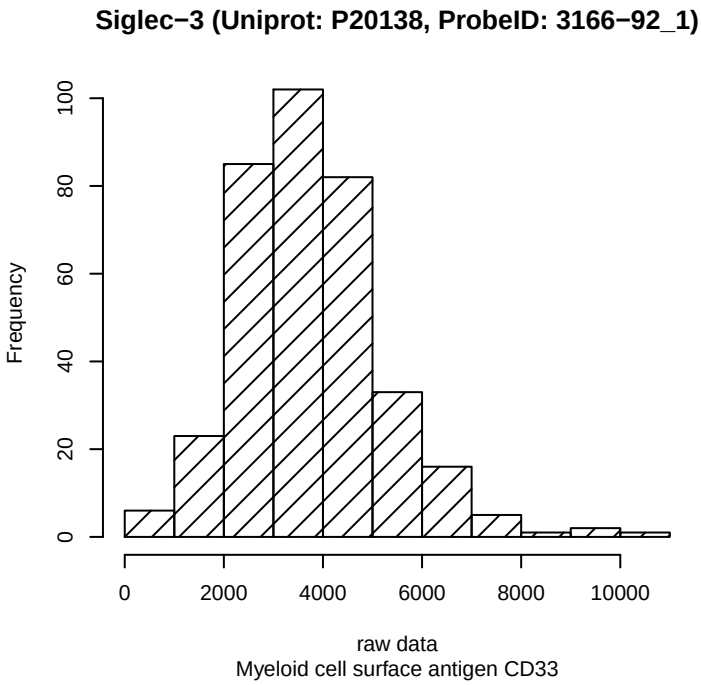

Siglec−3 (Uniprot: P20138, ProbeID: 3166−92_1)
raw data
2000
4000
6000
8000
10000
G/G (199)
G/A (137)
A/A (17)
rs1710354 (Chr19:51802140)
Locus 221 top sentinel (tags KORA rs1710354), p=0.0084

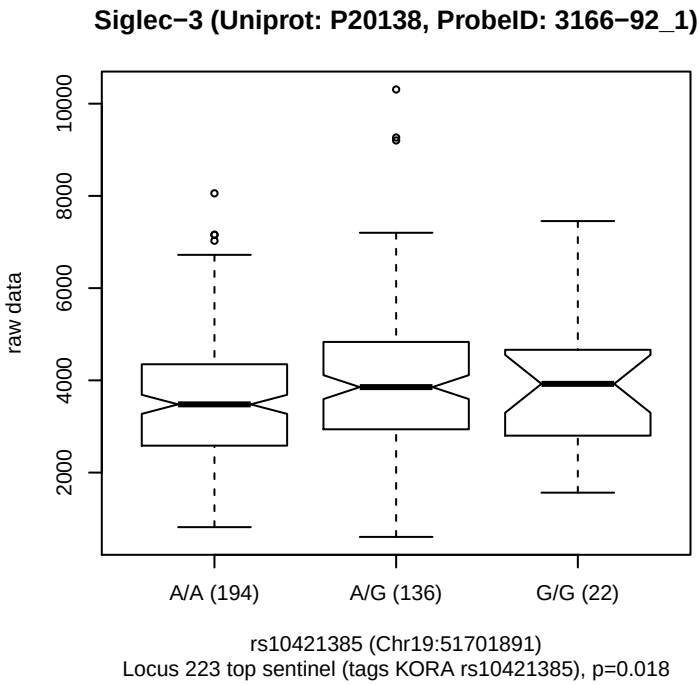

Siglec−3 (Uniprot: P20138, ProbeID: 3166−92_1)
Frequency
0
20
40
60
80
100
120
9
10
11
12
13
log2−scaled data
Myeloid cell surface antigen CD33

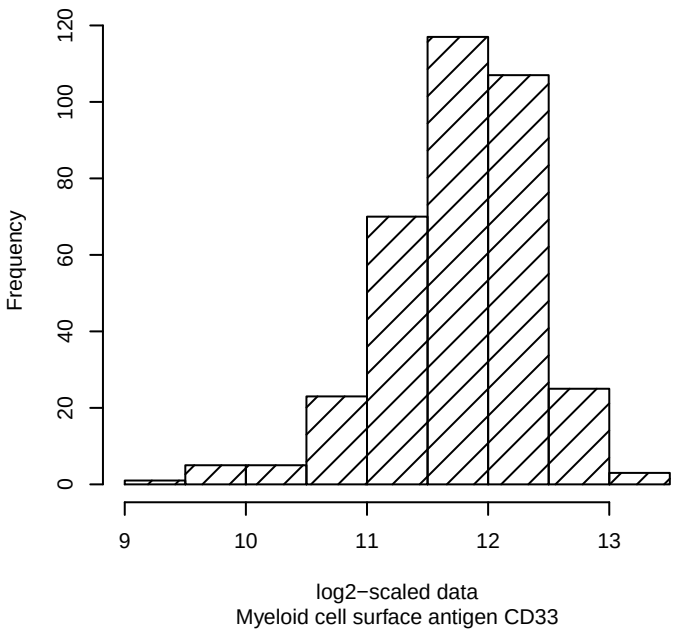

Siglec−3 (Uniprot: P20138, ProbeID: 3166−92_1)
log2−scaled data
10
11
12
13
G/G (199)
G/A (137)
A/A (17)
rs1710354 (Chr19:51802140)
Locus 221 top sentinel (tags KORA rs1710354), p=0.0015, FC=−1.111

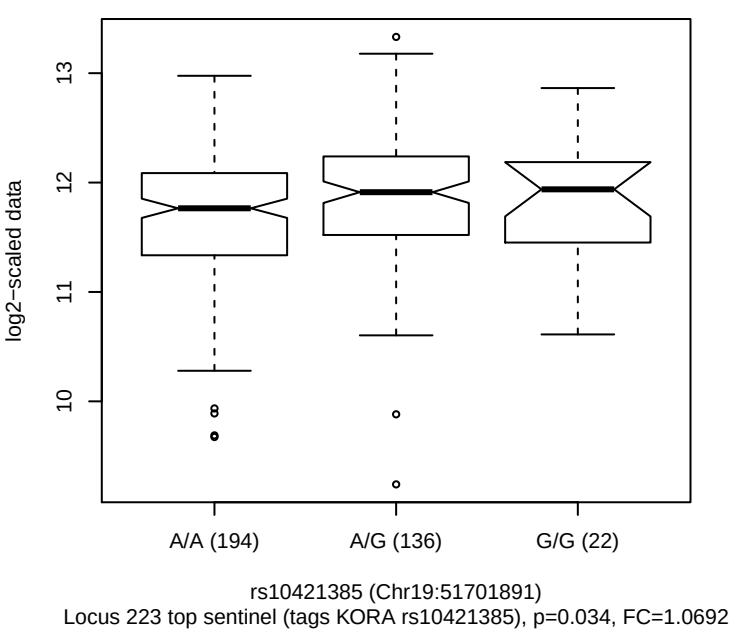

Siglec−3 (Uniprot: P20138, ProbeID: 3166−92_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Myeloid cell surface antigen CD33

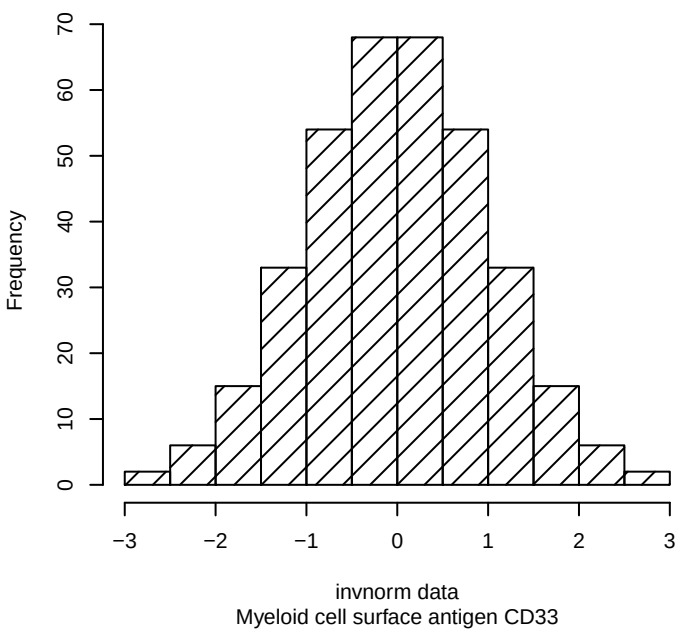

Siglec−3 (Uniprot: P20138, ProbeID: 3166−92_1)
invnorm data
−2
−1
0
1
2
G/G (199)
G/A (137)
A/A (17)
rs1710354 (Chr19:51802140)
Locus 221 top sentinel (tags KORA rs1710354), p=0.0045

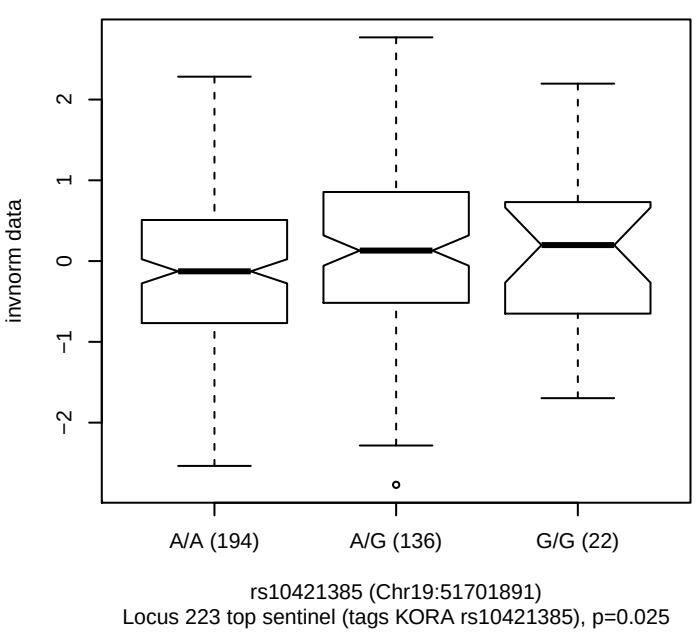

Siglec−3 (Uniprot: P20138, ProbeID: 3166−92_1)
Frequency
0
20
40
60
80
100
0
2000
4000
6000
8000
10000
raw data
Myeloid cell surface antigen CD33

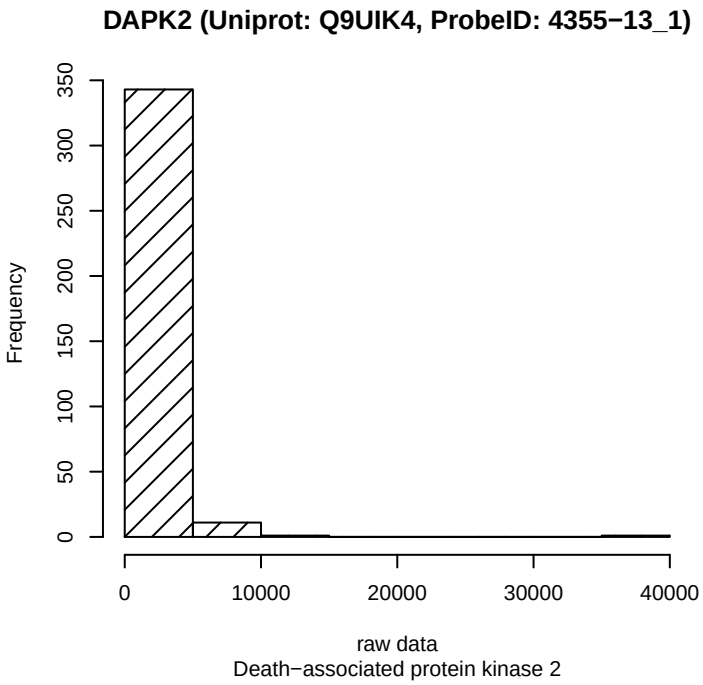

Siglec−3 (Uniprot: P20138, ProbeID: 3166−92_1)
raw data
2000
4000
6000
8000
10000
A/A (194)
A/G (136)
G/G (22)
rs10421385 (Chr19:51701891)
Locus 223 top sentinel (tags KORA rs10421385), p=0.018

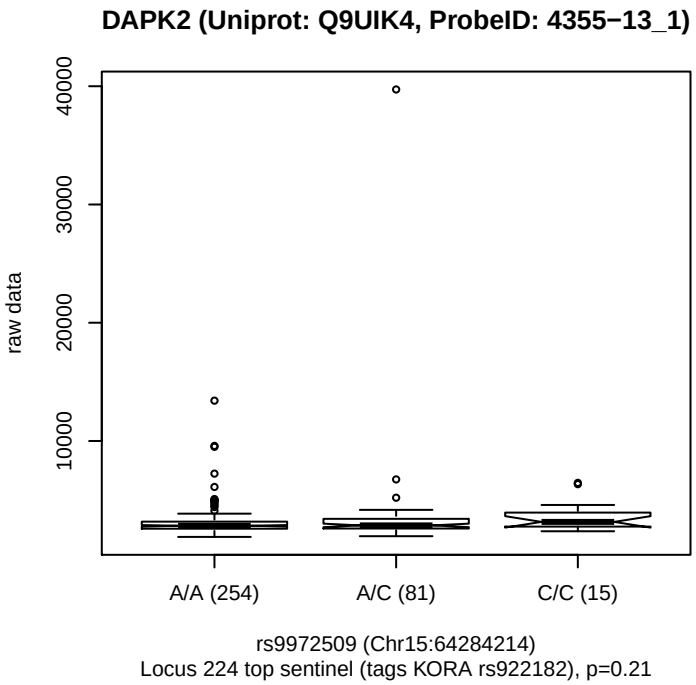

Siglec−3 (Uniprot: P20138, ProbeID: 3166−92_1)
Frequency
0
20
40
60
80
100
120
9
10
11
12
13
log2−scaled data
Myeloid cell surface antigen CD33

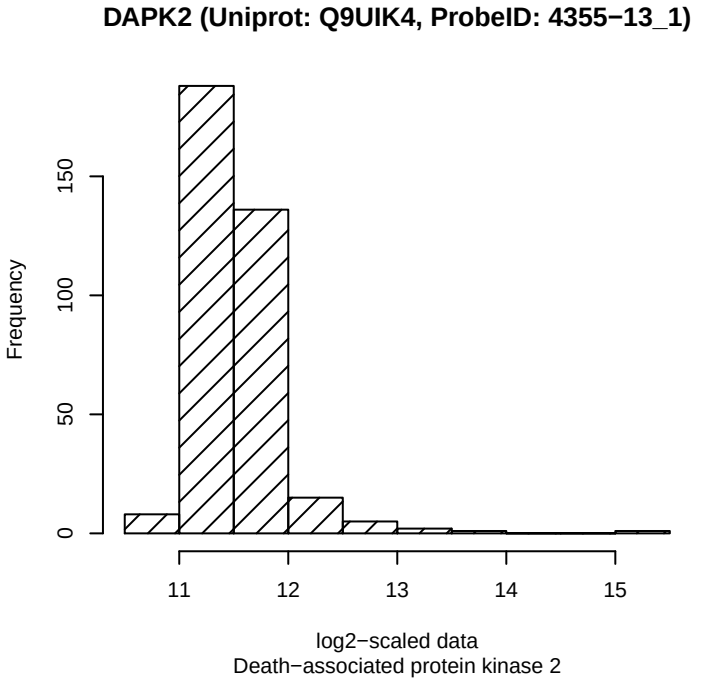

Siglec−3 (Uniprot: P20138, ProbeID: 3166−92_1)
log2−scaled data
10
11
12
13
A/A (194)
A/G (136)
G/G (22)
rs10421385 (Chr19:51701891)
Locus 223 top sentinel (tags KORA rs10421385), p=0.034, FC=1.0692

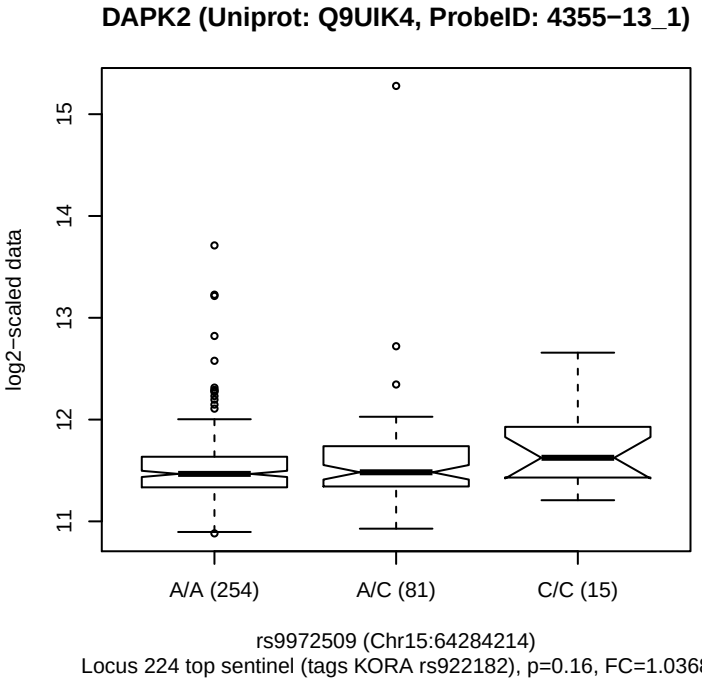

Siglec−3 (Uniprot: P20138, ProbeID: 3166−92_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Myeloid cell surface antigen CD33

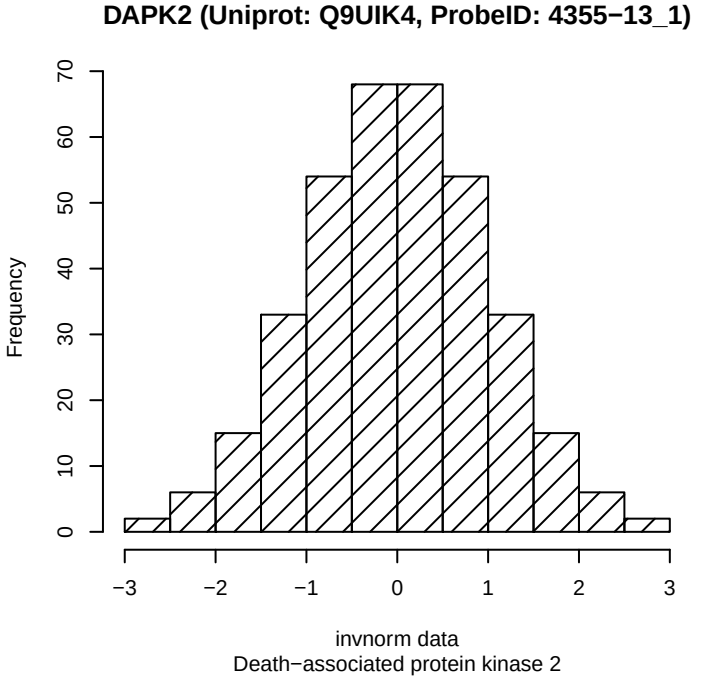

Siglec−3 (Uniprot: P20138, ProbeID: 3166−92_1)
invnorm data
−2
−1
0
1
2
A/A (194)
A/G (136)
G/G (22)
rs10421385 (Chr19:51701891)
Locus 223 top sentinel (tags KORA rs10421385), p=0.025

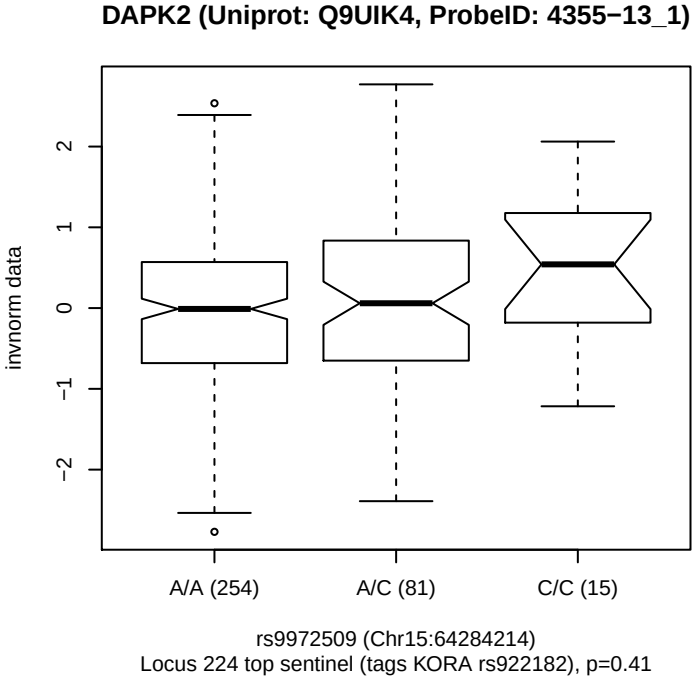

DAPK2 (Uniprot: Q9UIK4, ProbeID: 4355−13_1)
Frequency
0
50
100
150
200
250
300
350
0
10000
20000
30000
40000
raw data
Death−associated protein kinase 2

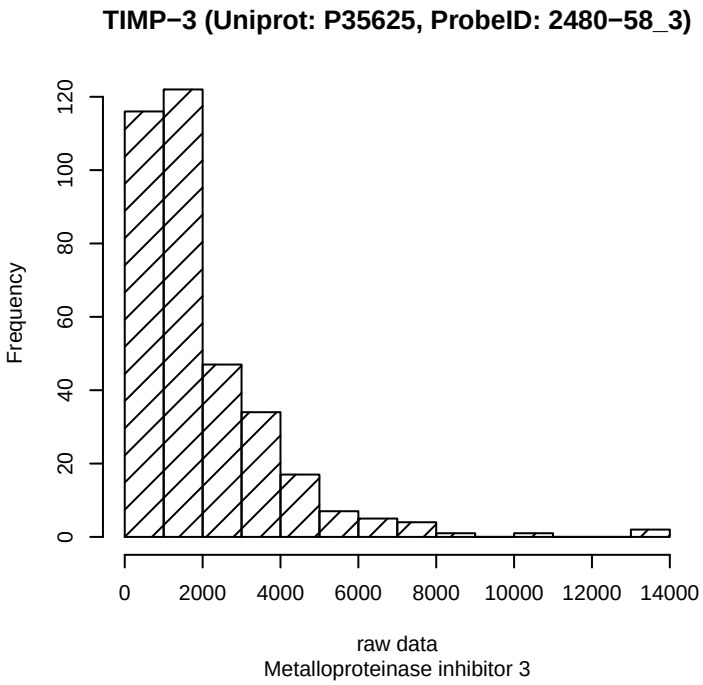

DAPK2 (Uniprot: Q9UIK4, ProbeID: 4355−13_1)
raw data
10000
20000
30000
40000
A/A (254)
A/C (81)
C/C (15)
rs9972509 (Chr15:64284214)
Locus 224 top sentinel (tags KORA rs922182), p=0.21

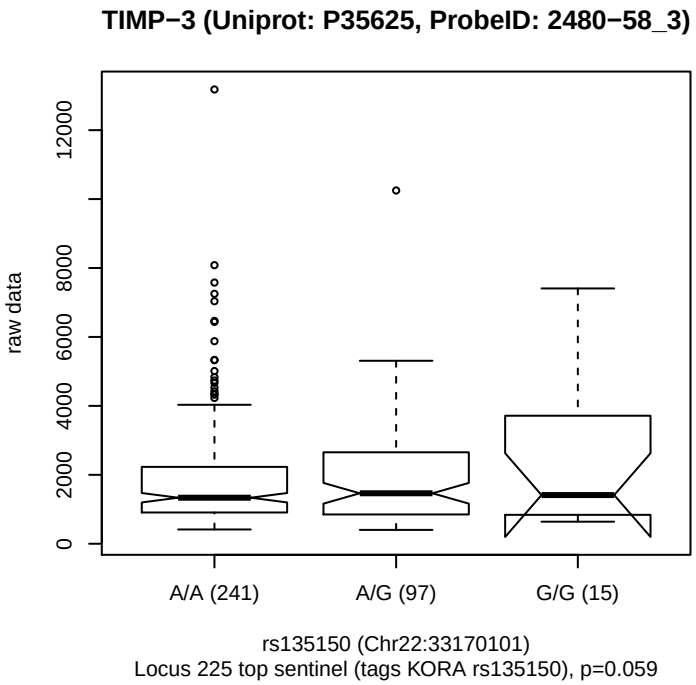

DAPK2 (Uniprot: Q9UIK4, ProbeID: 4355−13_1)
Frequency
0
50
100
150
11
12
13
14
15
log2−scaled data
Death−associated protein kinase 2

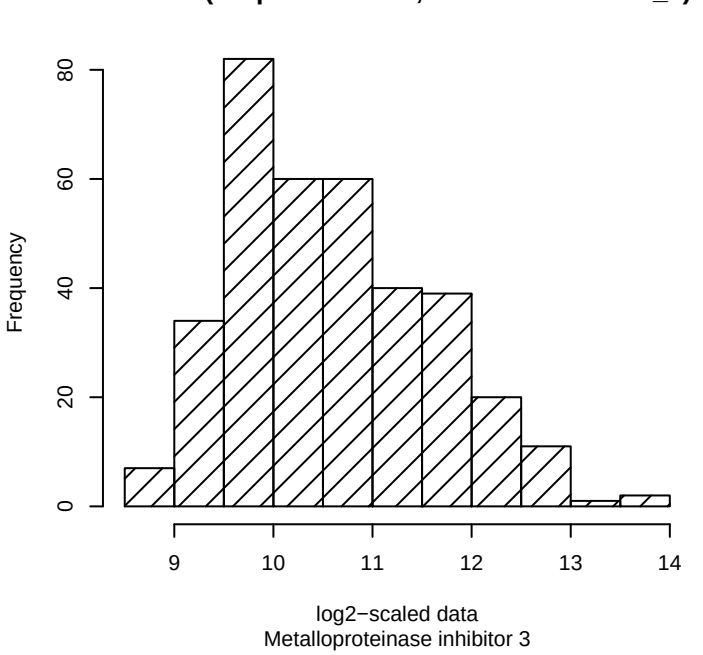

DAPK2 (Uniprot: Q9UIK4, ProbeID: 4355−13_1)
log2−scaled data
11
12
13
14
15
A/A (254)
A/C (81)
C/C (15)
rs9972509 (Chr15:64284214)
Locus 224 top sentinel (tags KORA rs922182), p=0.16, FC=1.0368

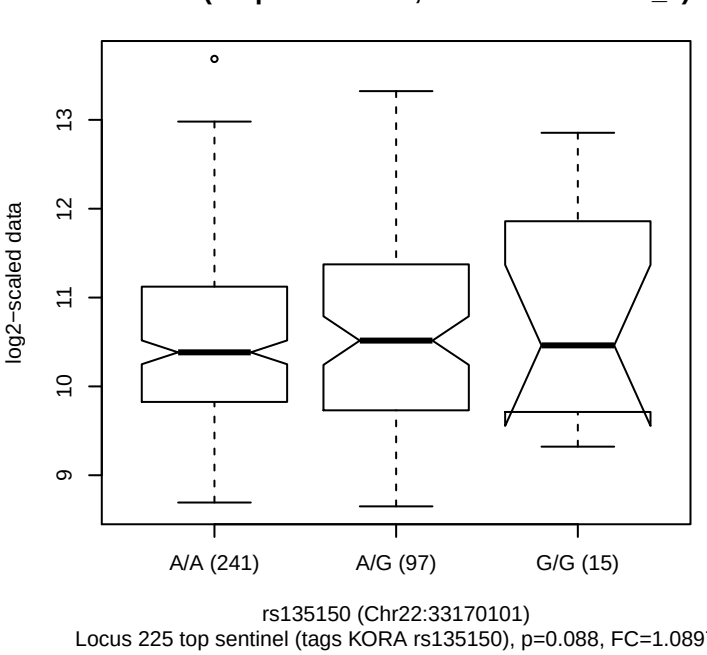

DAPK2 (Uniprot: Q9UIK4, ProbeID: 4355−13_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Death−associated protein kinase 2

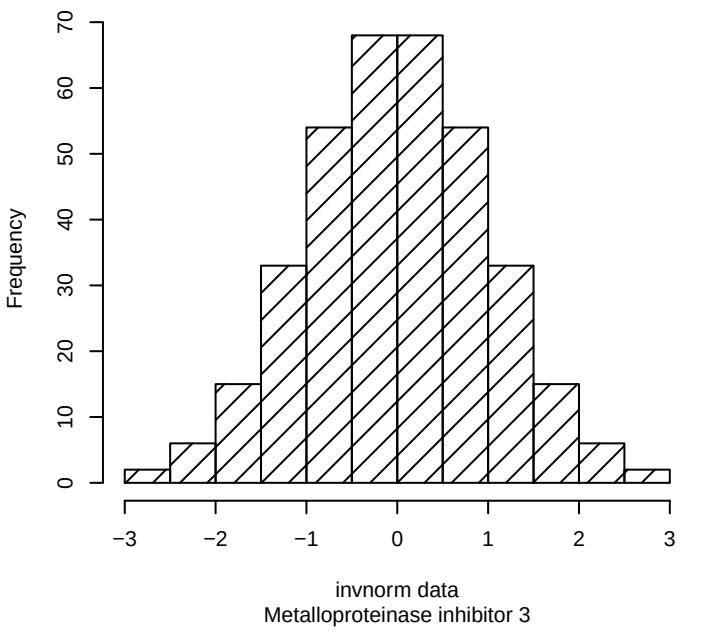

DAPK2 (Uniprot: Q9UIK4, ProbeID: 4355−13_1)
invnorm data
−2
−1
0
1
2
A/A (254)
A/C (81)
C/C (15)
rs9972509 (Chr15:64284214)
Locus 224 top sentinel (tags KORA rs922182), p=0.41

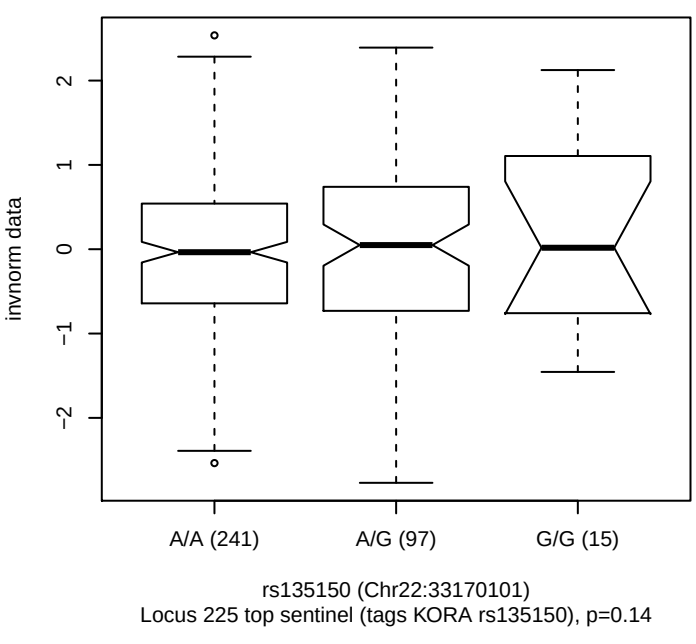

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
Frequency
0
20
40
60
80
100
120
0
2000
4000
6000
8000
10000
12000
14000
raw data
Metalloproteinase inhibitor 3

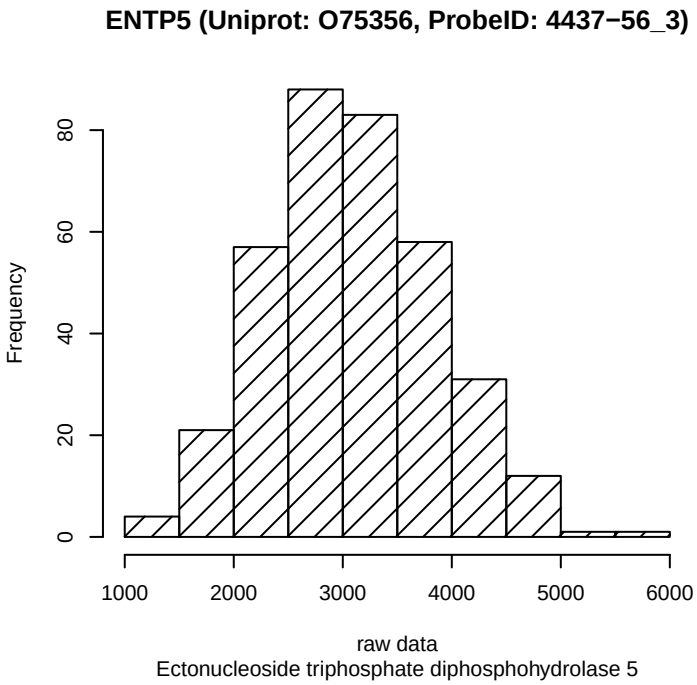

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
raw data
0
2000
4000
6000
8000
12000
A/A (241)
A/G (97)
G/G (15)
rs135150 (Chr22:33170101)
Locus 225 top sentinel (tags KORA rs135150), p=0.059

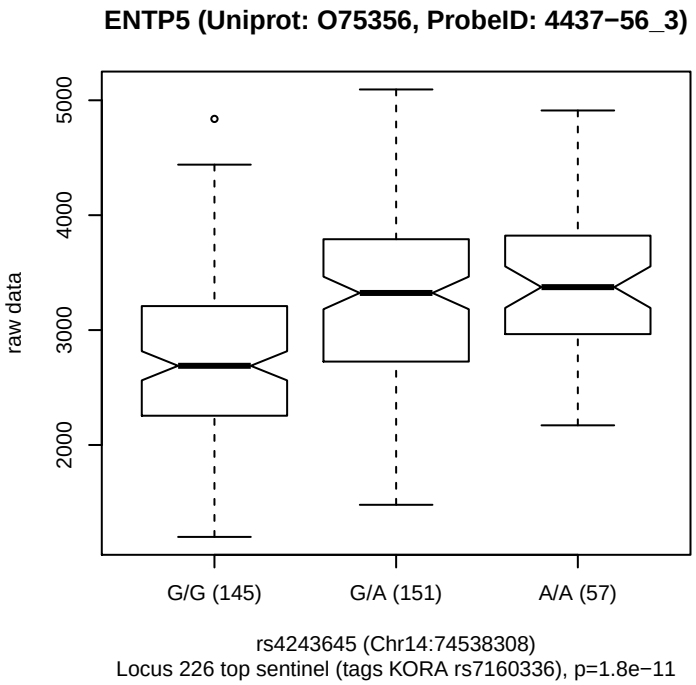

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
Frequency
0
20
40
60
80
9
10
11
12
13
14
log2−scaled data
Metalloproteinase inhibitor 3

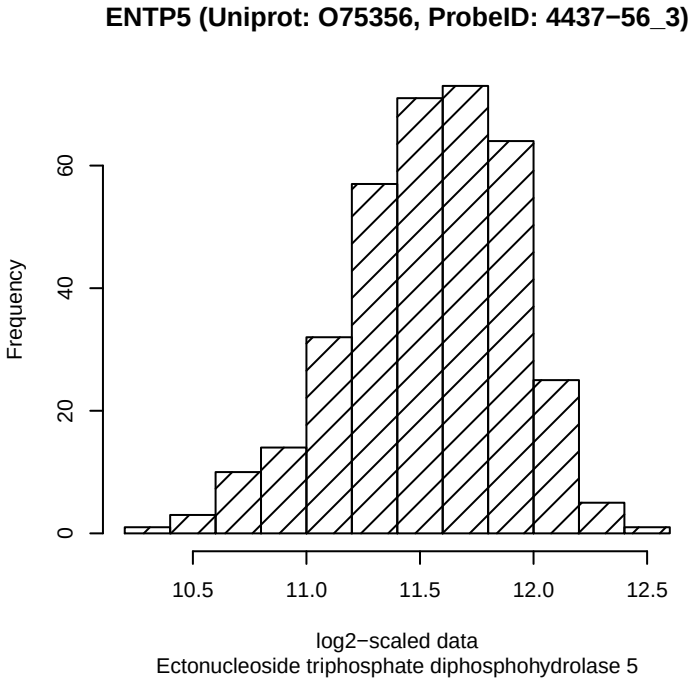

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
log2−scaled data
9
10
11
12
13
A/A (241)
A/G (97)
G/G (15)
rs135150 (Chr22:33170101)
Locus 225 top sentinel (tags KORA rs135150), p=0.088, FC=1.0897

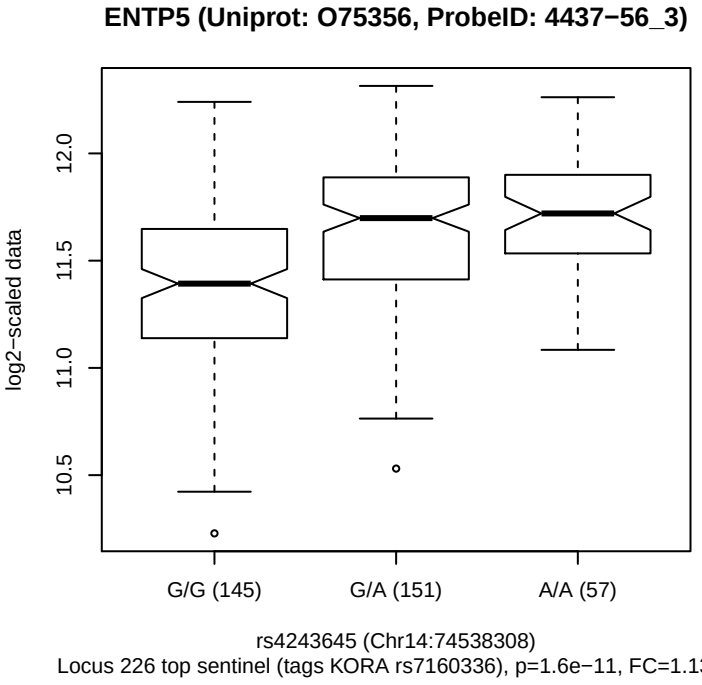

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Metalloproteinase inhibitor 3

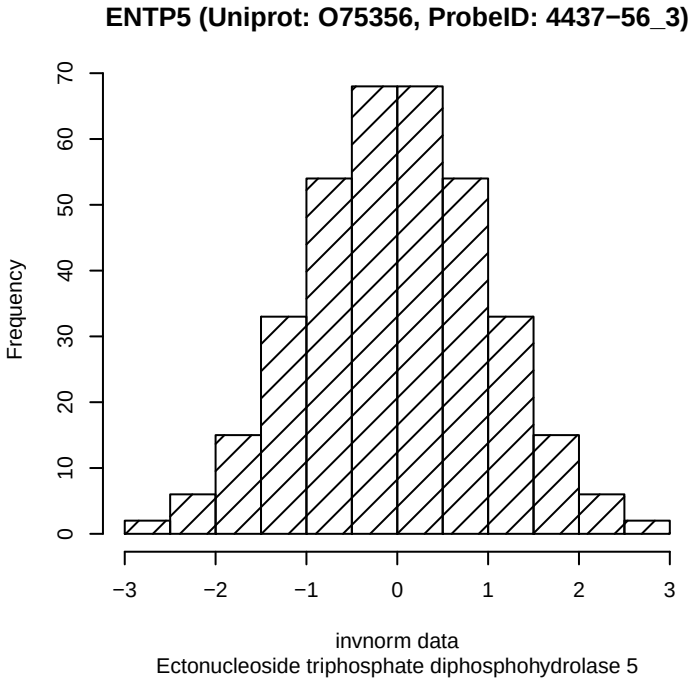

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
invnorm data
−2
−1
0
1
2
A/A (241)
A/G (97)
G/G (15)
rs135150 (Chr22:33170101)
Locus 225 top sentinel (tags KORA rs135150), p=0.14

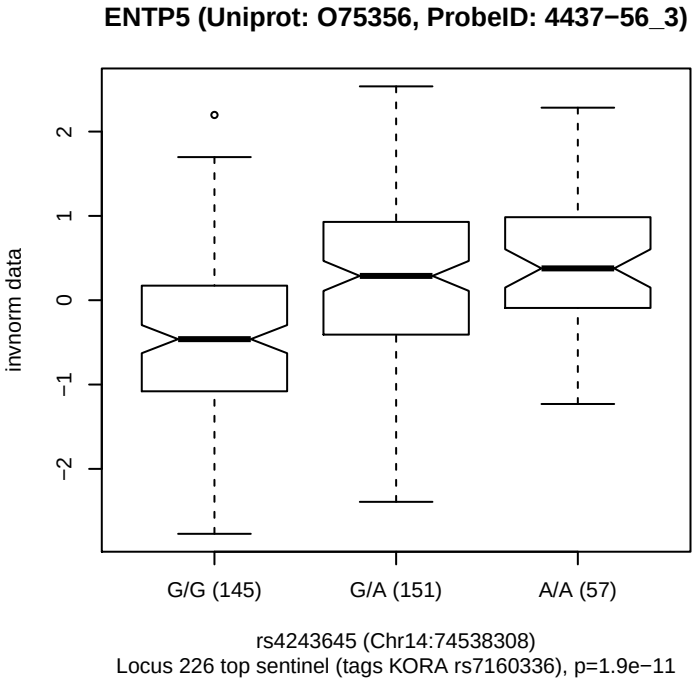

ENTP5 (Uniprot: O75356, ProbeID: 4437−56_3)
Frequency
0
20
40
60
80
1000
2000
3000
4000
5000
6000
raw data
Ectonucleoside triphosphate diphosphohydrolase 5

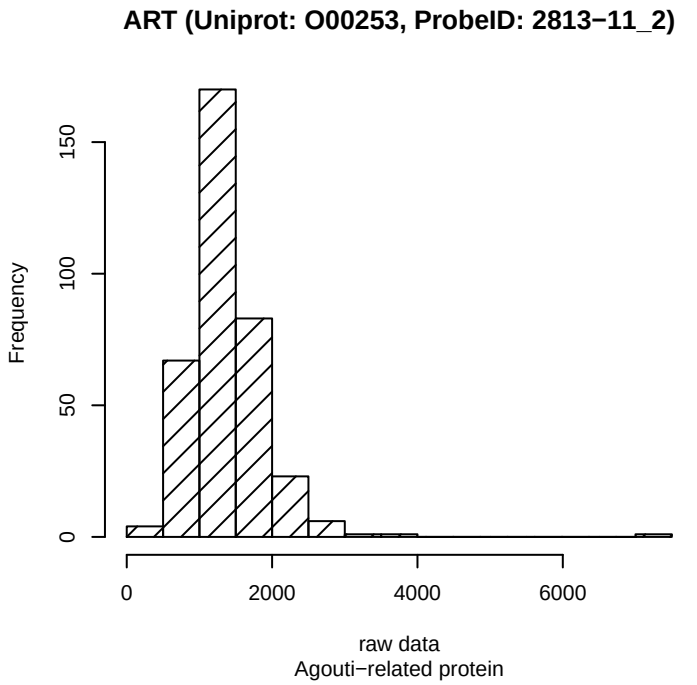

ENTP5 (Uniprot: O75356, ProbeID: 4437−56_3)
raw data
2000
3000
4000
5000
G/G (145)
G/A (151)
A/A (57)
rs4243645 (Chr14:74538308)
Locus 226 top sentinel (tags KORA rs7160336), p=1.8e−11

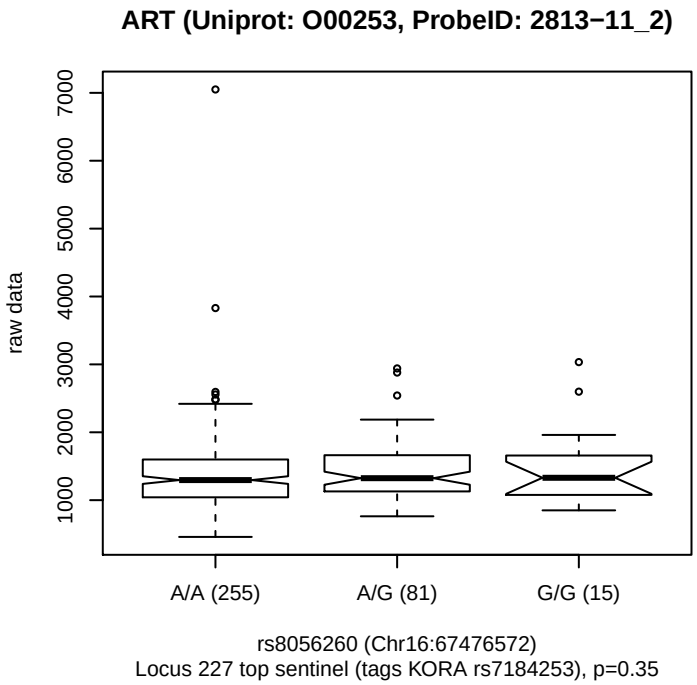

ENTP5 (Uniprot: O75356, ProbeID: 4437−56_3)
Frequency
0
20
40
60
10.5
11.0
11.5
12.0
12.5
log2−scaled data
Ectonucleoside triphosphate diphosphohydrolase 5

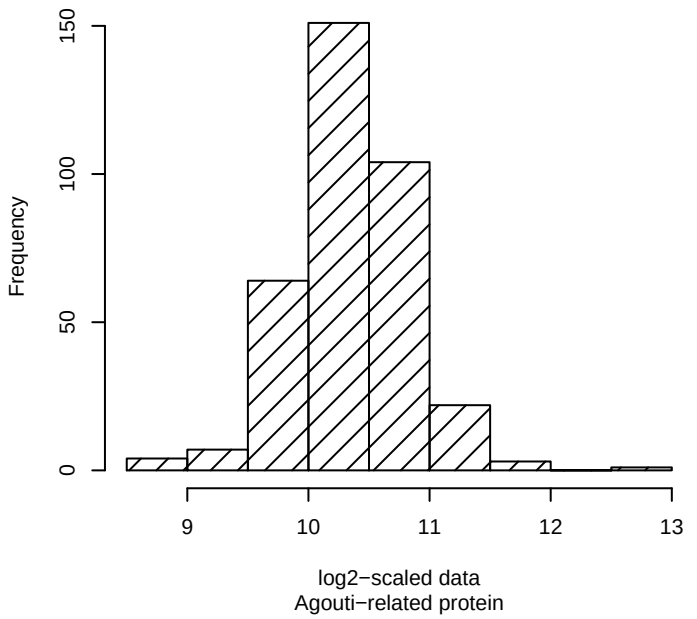

ENTP5 (Uniprot: O75356, ProbeID: 4437−56_3)
log2−scaled data
10.5
11.0
11.5
12.0
G/G (145)
G/A (151)
A/A (57)
rs4243645 (Chr14:74538308)
Locus 226 top sentinel (tags KORA rs7160336), p=1.6e−11, FC=1.1352

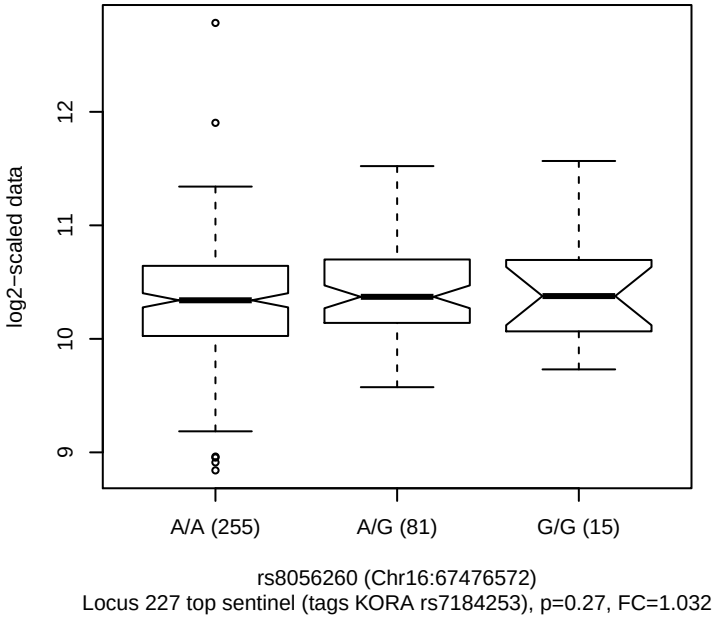

ENTP5 (Uniprot: O75356, ProbeID: 4437−56_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Ectonucleoside triphosphate diphosphohydrolase 5

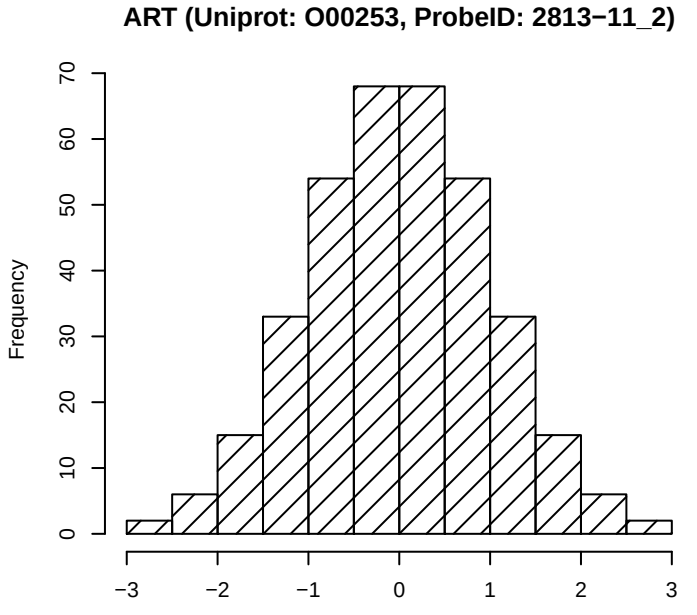

ENTP5 (Uniprot: O75356, ProbeID: 4437−56_3)
invnorm data
−2
−1
0
1
2
G/G (145)
G/A (151)
A/A (57)
rs4243645 (Chr14:74538308)
Locus 226 top sentinel (tags KORA rs7160336), p=1.9e−11

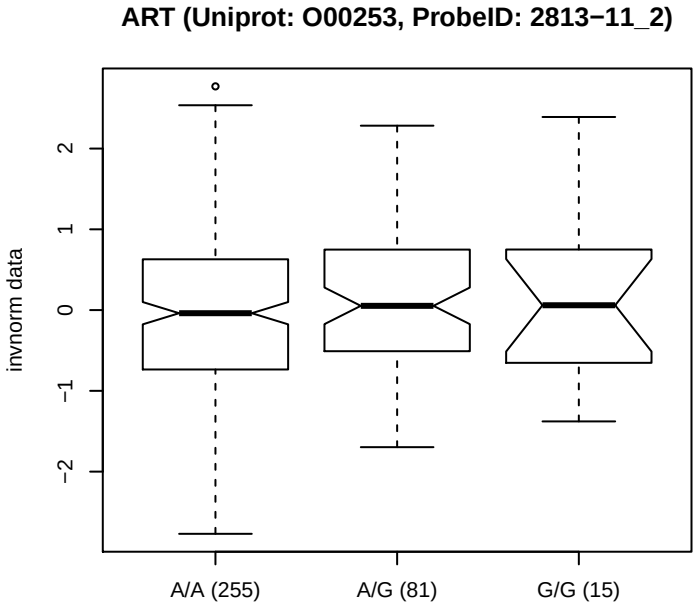

ART (Uniprot: O00253, ProbeID: 2813−11_2)
Frequency
0
50
100
150
0
2000
4000
6000
raw data
Agouti−related protein

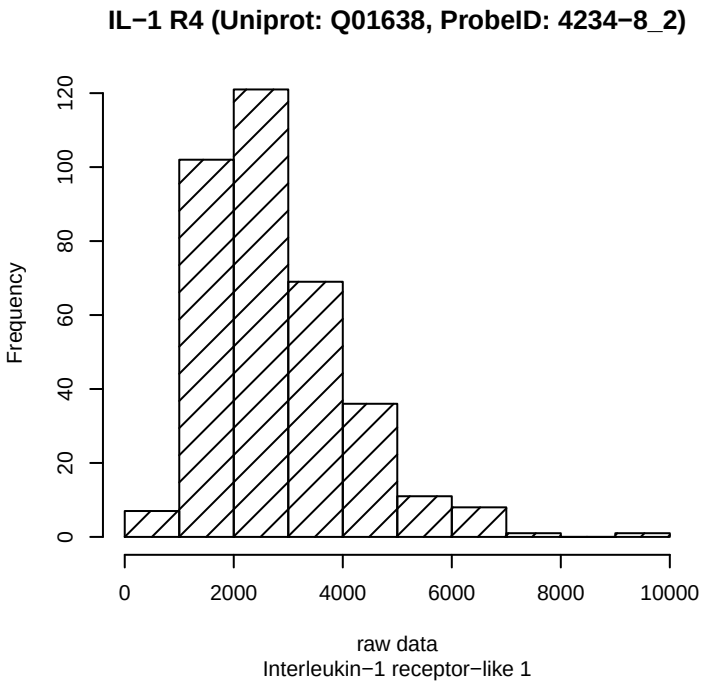

ART (Uniprot: O00253, ProbeID: 2813−11_2)
raw data
1000
2000
3000
4000
5000
6000
7000
A/A (255)
A/G (81)
G/G (15)
rs8056260 (Chr16:67476572)
Locus 227 top sentinel (tags KORA rs7184253), p=0.35

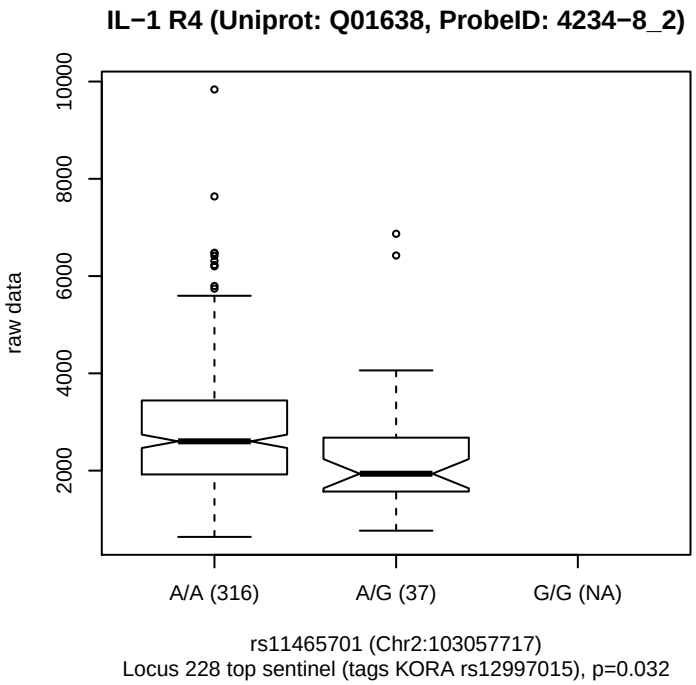

ART (Uniprot: O00253, ProbeID: 2813−11_2)
Frequency
0
50
100
150
9
10
11
12
13
log2−scaled data
Agouti−related protein

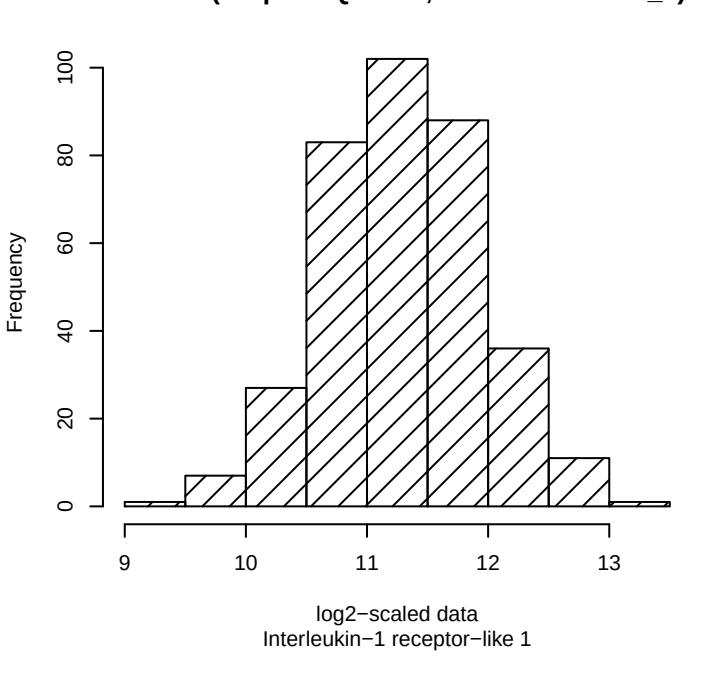

ART (Uniprot: O00253, ProbeID: 2813−11_2)
log2−scaled data
9
10
11
12
A/A (255)
A/G (81)
G/G (15)
rs8056260 (Chr16:67476572)
Locus 227 top sentinel (tags KORA rs7184253), p=0.27, FC=1.032

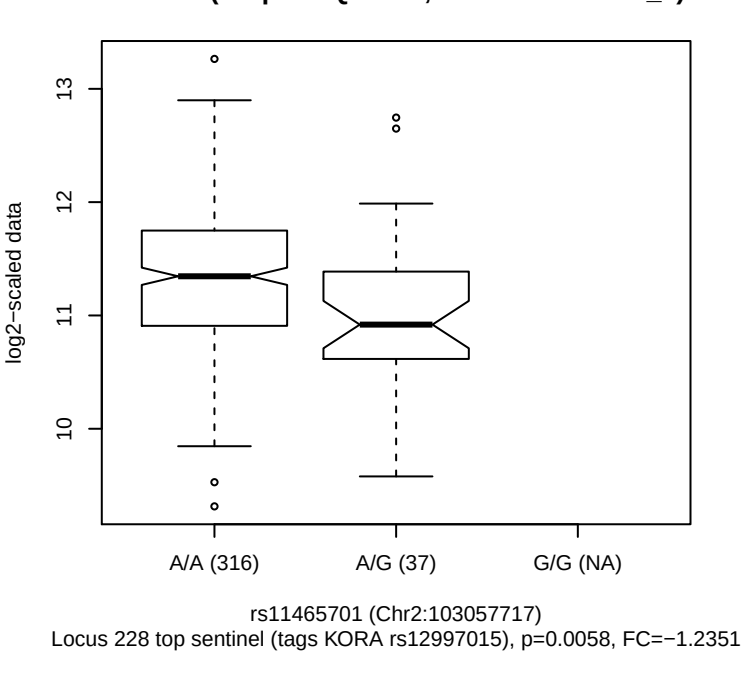

ART (Uniprot: O00253, ProbeID: 2813−11_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Agouti−related protein

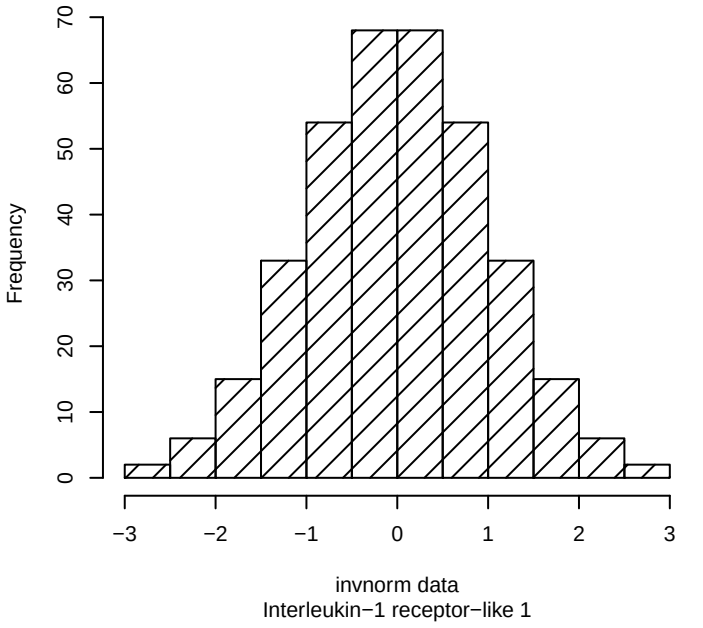

ART (Uniprot: O00253, ProbeID: 2813−11_2)
invnorm data
−2
−1
0
1
2
A/A (255)
A/G (81)
G/G (15)
rs8056260 (Chr16:67476572)
Locus 227 top sentinel (tags KORA rs7184253), p=0.28

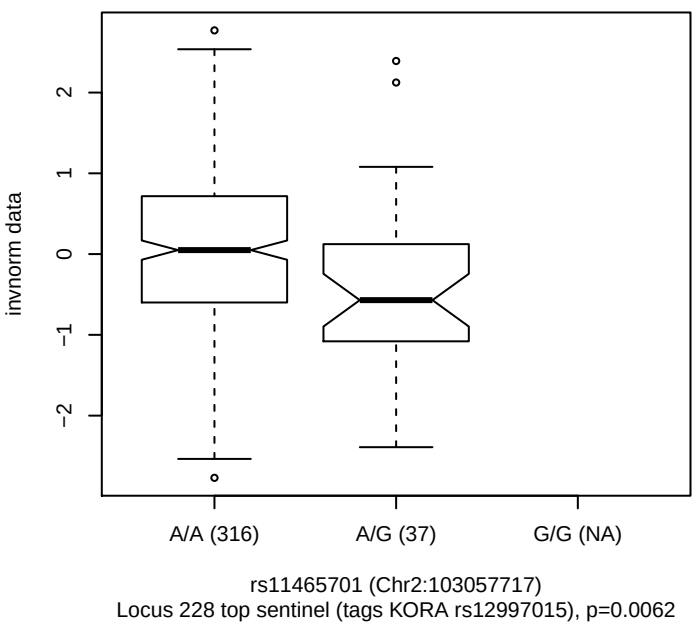

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
Frequency
0
20
40
60
80
100
120
0
2000
4000
6000
8000
10000
raw data
Interleukin−1 receptor−like 1

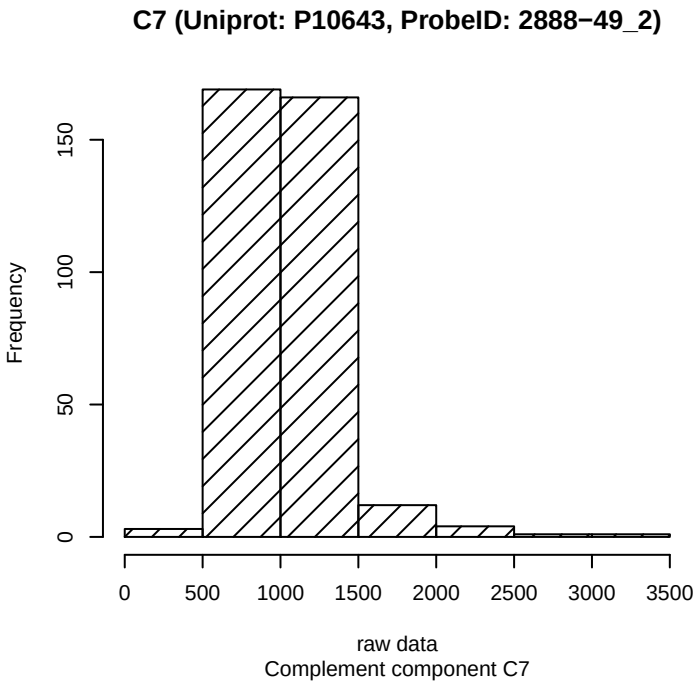

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
raw data
2000
4000
6000
8000
10000
A/A (316)
A/G (37)
G/G (NA)
rs11465701 (Chr2:103057717)
Locus 228 top sentinel (tags KORA rs12997015), p=0.032

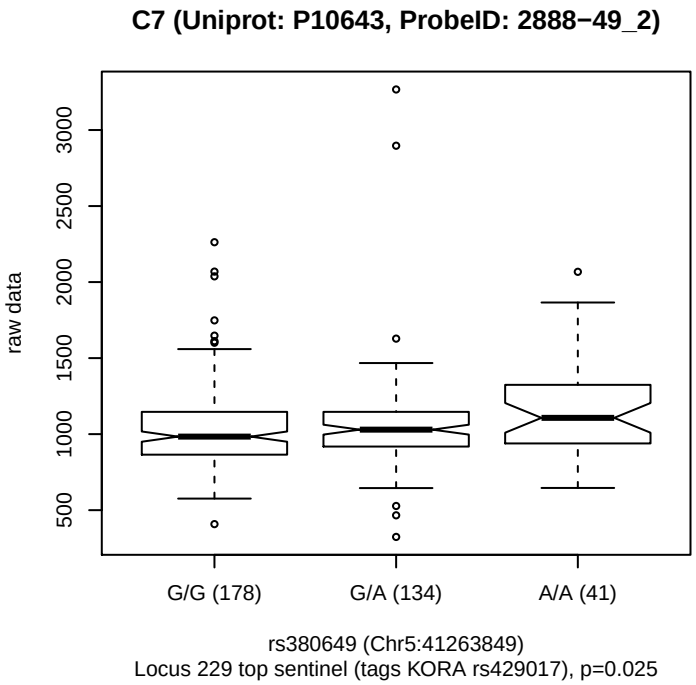

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
Frequency
0
20
40
60
80
100
9
10
11
12
13
log2−scaled data
Interleukin−1 receptor−like 1

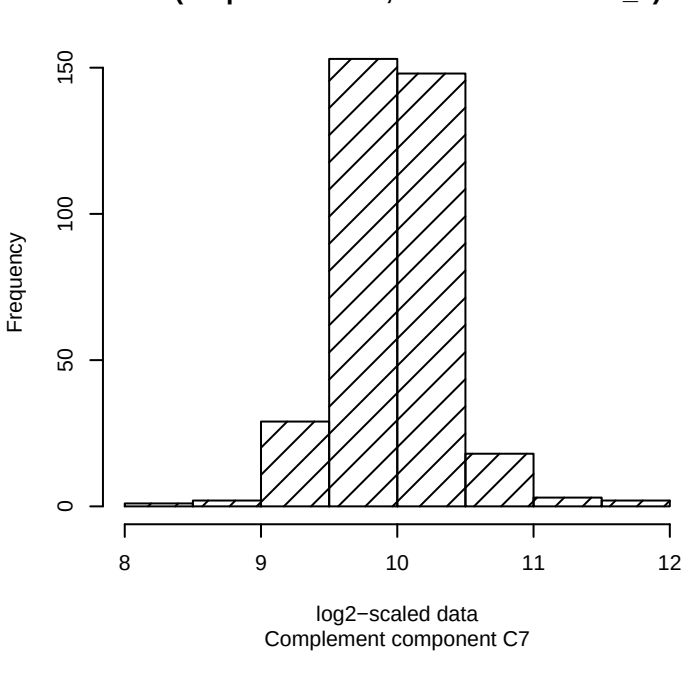

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
log2−scaled data
10
11
12
13
A/A (316)
A/G (37)
G/G (NA)
rs11465701 (Chr2:103057717)
Locus 228 top sentinel (tags KORA rs12997015), p=0.0058, FC=−1.2351

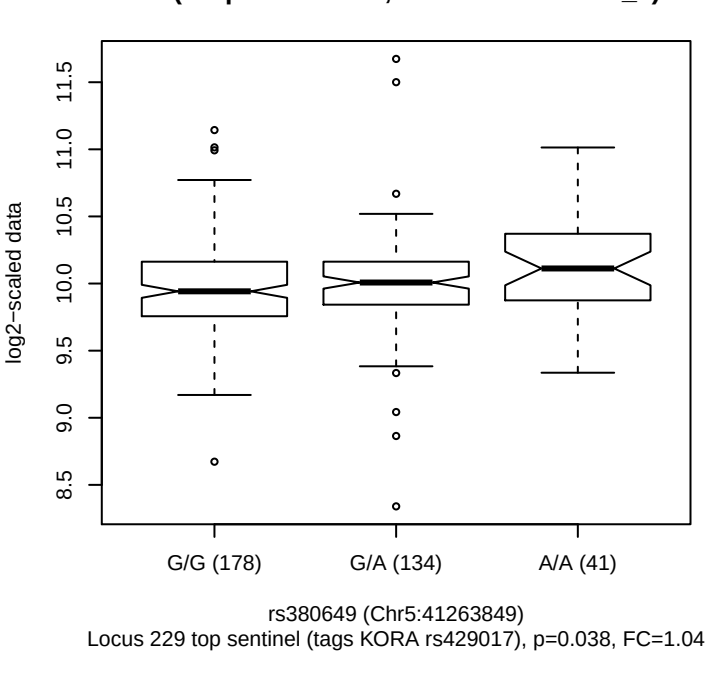

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−1 receptor−like 1

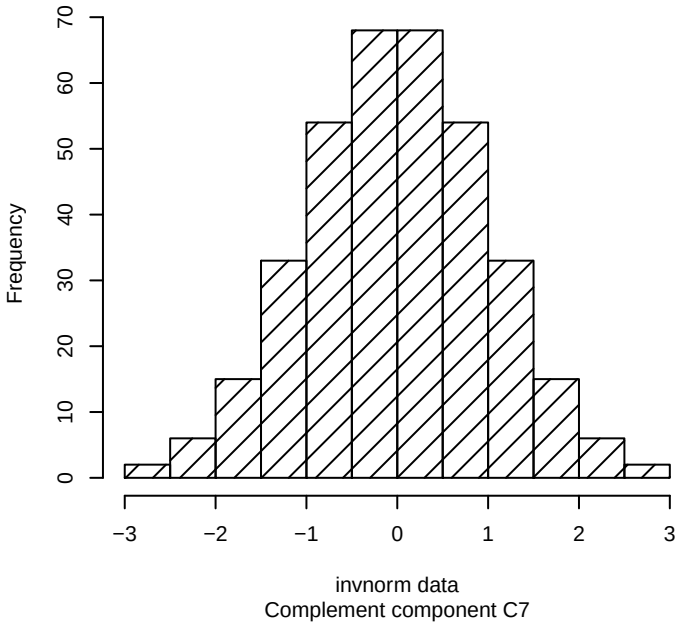

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
invnorm data
−2
−1
0
1
2
A/A (316)
A/G (37)
G/G (NA)
rs11465701 (Chr2:103057717)
Locus 228 top sentinel (tags KORA rs12997015), p=0.0062

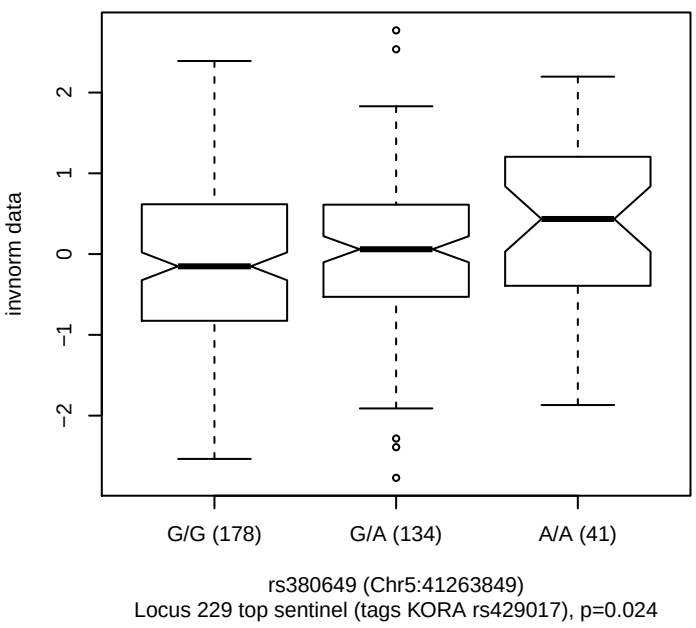

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
Frequency
0
50
100
150
0
500
1000
1500
2000
2500
3000
3500
raw data
Complement component C7

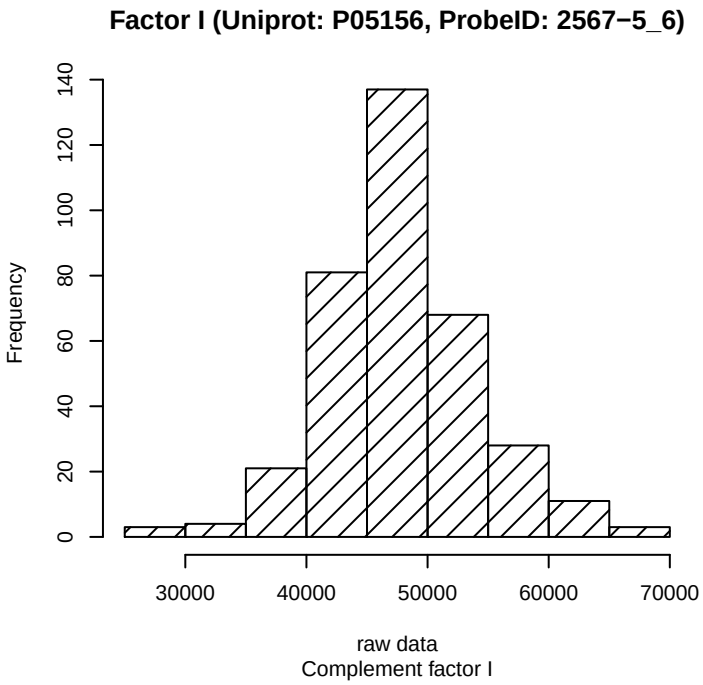

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
raw data
500
1000
1500
2000
2500
3000
G/G (178)
G/A (134)
A/A (41)
rs380649 (Chr5:41263849)
Locus 229 top sentinel (tags KORA rs429017), p=0.025

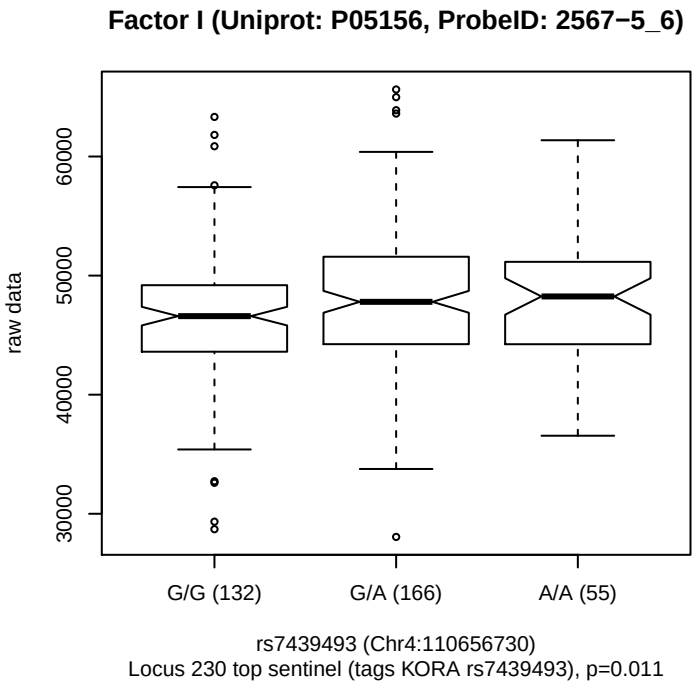

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
Frequency
0
50
100
150
8
9
10
11
12
log2−scaled data
Complement component C7

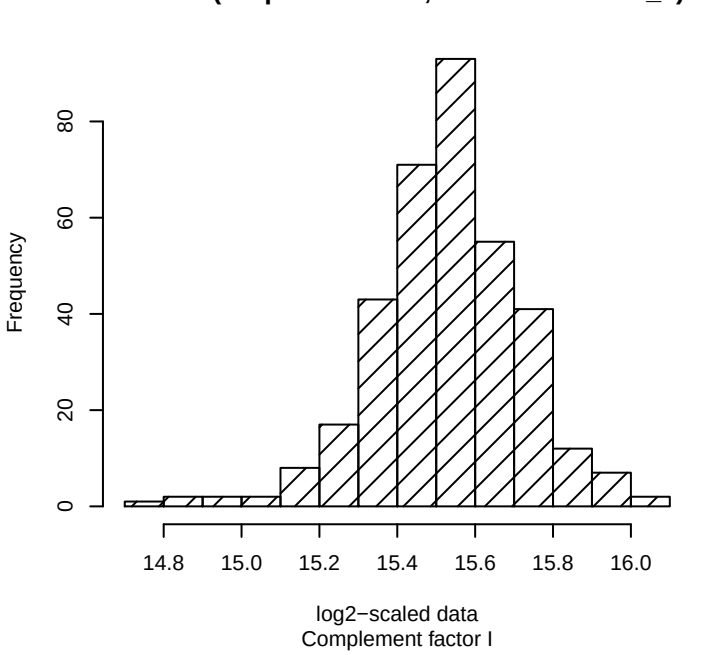

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
log2−scaled data
8.5
9.0
9.5
10.0
10.5
11.0
11.5
G/G (178)
G/A (134)
A/A (41)
rs380649 (Chr5:41263849)
Locus 229 top sentinel (tags KORA rs429017), p=0.038, FC=1.04

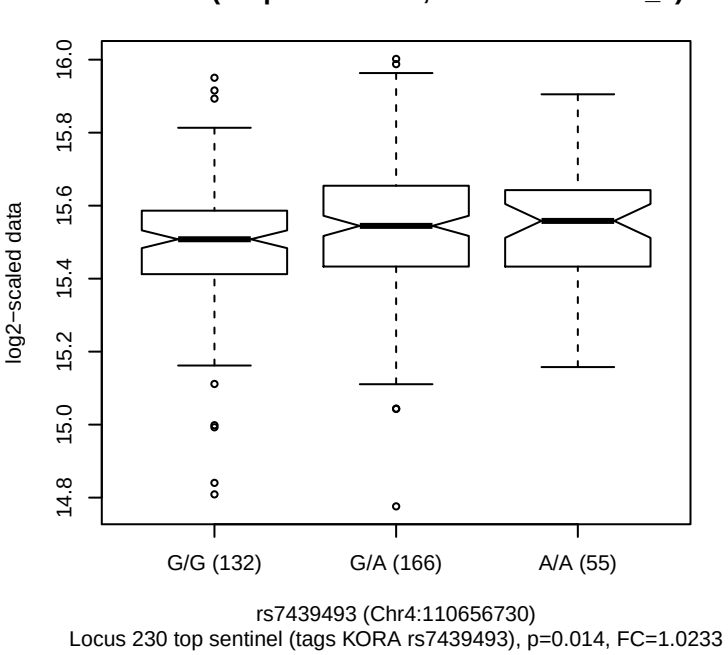

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Complement component C7

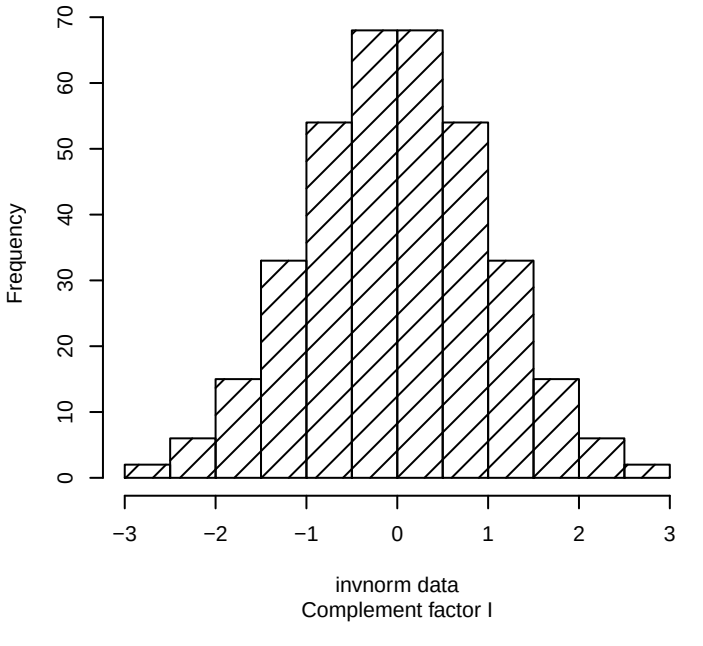

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
invnorm data
−2
−1
0
1
2
G/G (178)
G/A (134)
A/A (41)
rs380649 (Chr5:41263849)
Locus 229 top sentinel (tags KORA rs429017), p=0.024

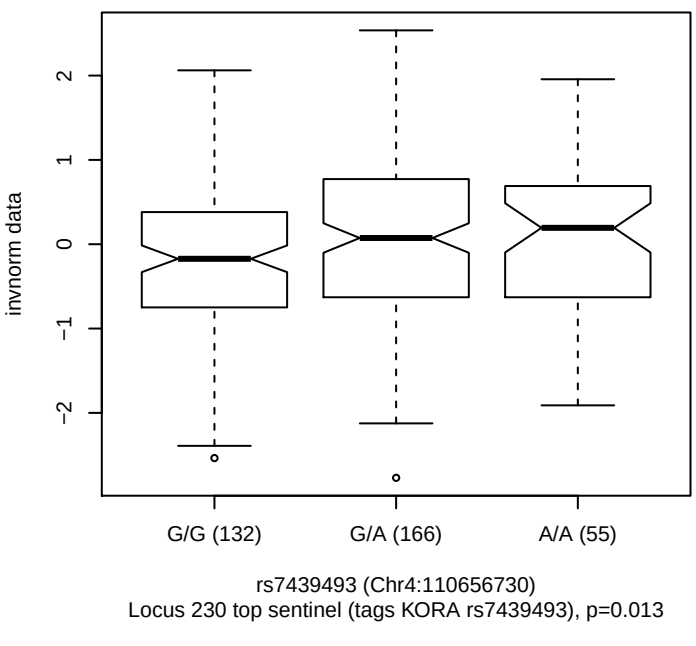

Factor I (Uniprot: P05156, ProbeID: 2567−5_6)
Frequency
0
20
40
60
80
100
120
140
30000
40000
50000
60000
70000
raw data
Complement factor I

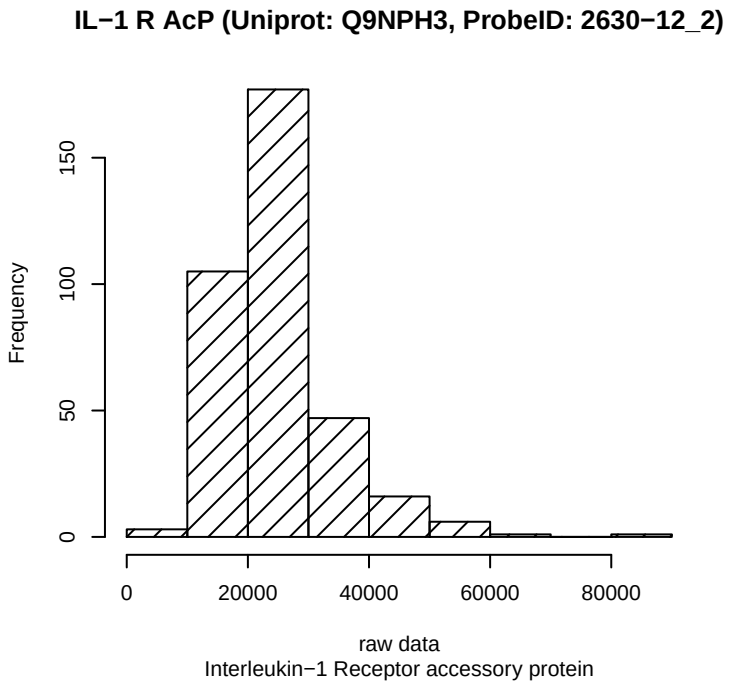

Factor I (Uniprot: P05156, ProbeID: 2567−5_6)
raw data
30000
40000
50000
60000
G/G (132)
G/A (166)
A/A (55)
rs7439493 (Chr4:110656730)
Locus 230 top sentinel (tags KORA rs7439493), p=0.011

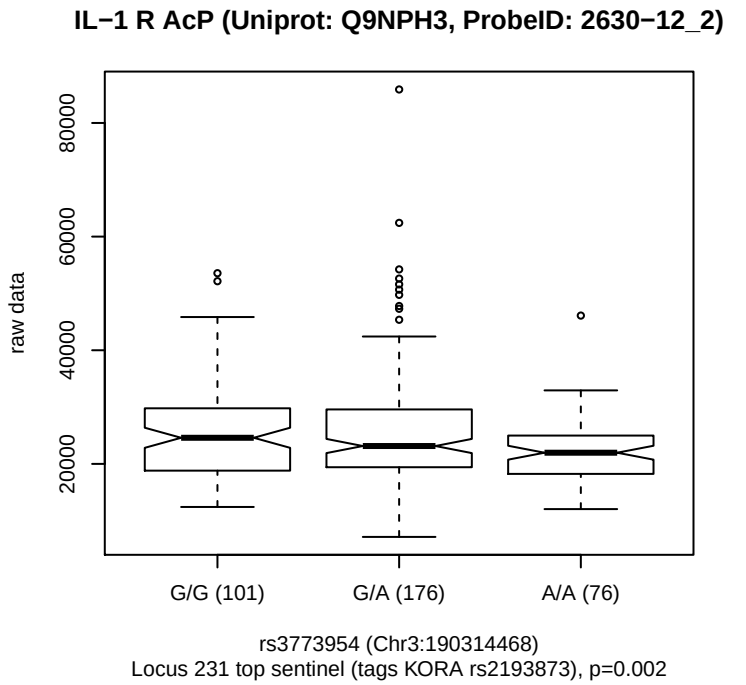

Factor I (Uniprot: P05156, ProbeID: 2567−5_6)
Frequency
0
20
40
60
80
14.8
15.0
15.2
15.4
15.6
15.8
16.0
log2−scaled data
Complement factor I

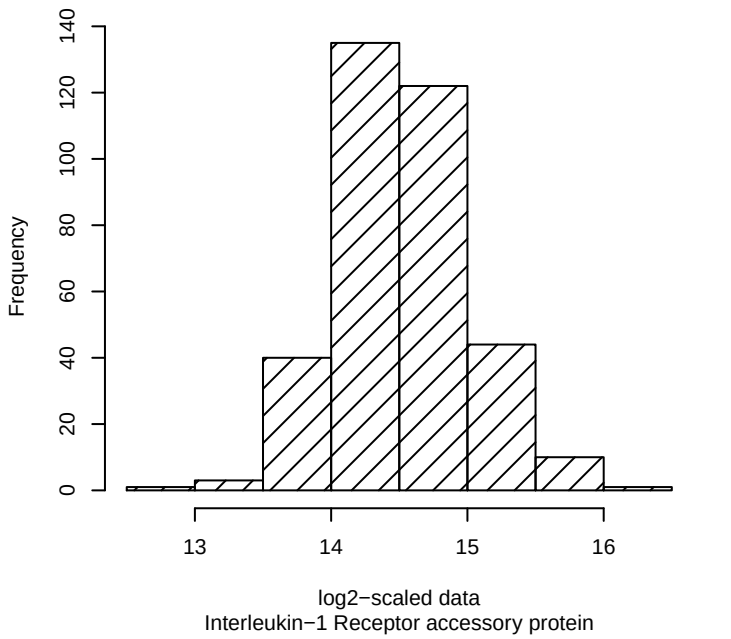

Factor I (Uniprot: P05156, ProbeID: 2567−5_6)
log2−scaled data
14.8
15.0
15.2
15.4
15.6
15.8
16.0
G/G (132)
G/A (166)
A/A (55)
rs7439493 (Chr4:110656730)
Locus 230 top sentinel (tags KORA rs7439493), p=0.014, FC=1.0233

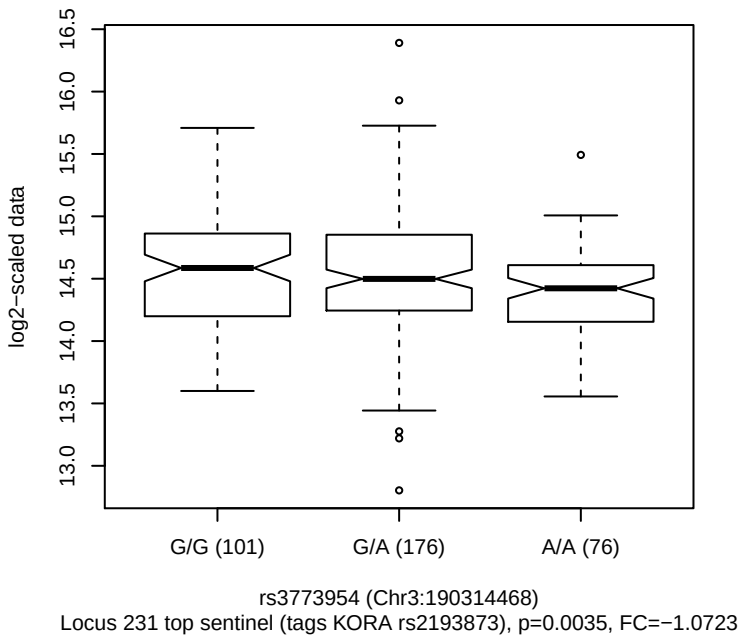

Factor I (Uniprot: P05156, ProbeID: 2567−5_6)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Complement factor I

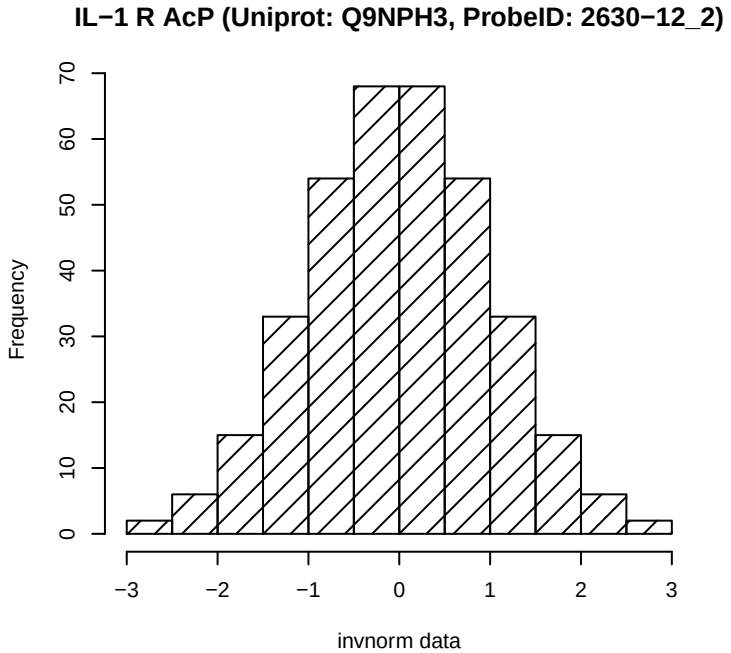

Factor I (Uniprot: P05156, ProbeID: 2567−5_6)
invnorm data
−2
−1
0
1
2
G/G (132)
G/A (166)
A/A (55)
rs7439493 (Chr4:110656730)
Locus 230 top sentinel (tags KORA rs7439493), p=0.013

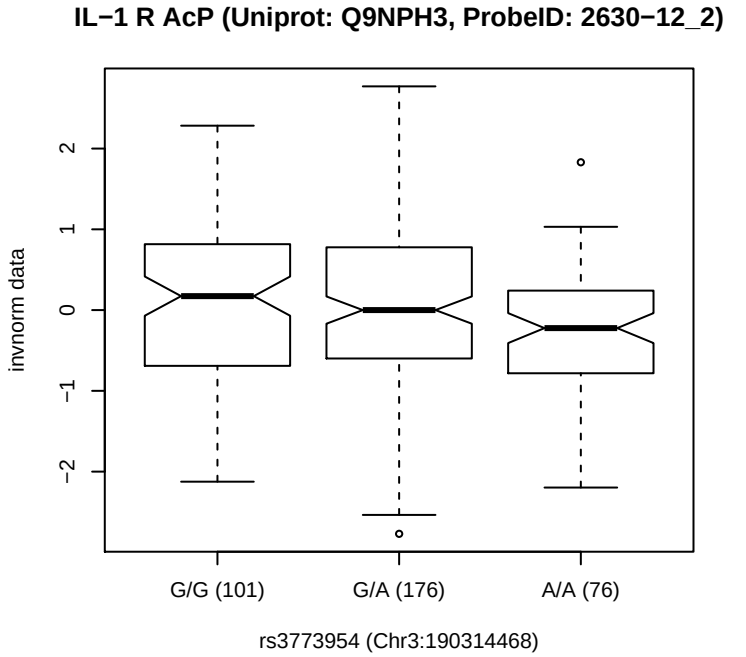

IL−1 R AcP (Uniprot: Q9NPH3, ProbeID: 2630−12_2)
Frequency
0
50
100
150
0
20000
40000
60000
80000
raw data
Interleukin−1 Receptor accessory protein

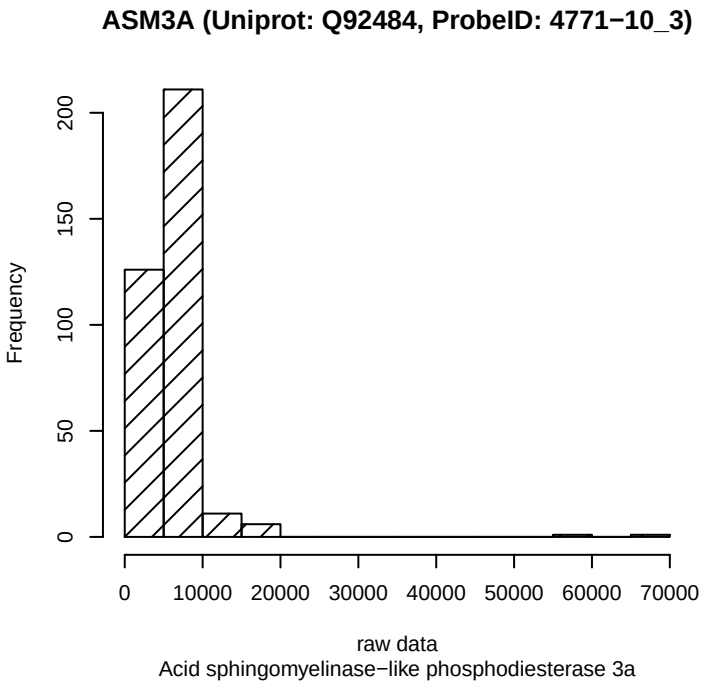

IL−1 R AcP (Uniprot: Q9NPH3, ProbeID: 2630−12_2)
raw data
20000
40000
60000
80000
G/G (101)
G/A (176)
A/A (76)
rs3773954 (Chr3:190314468)
Locus 231 top sentinel (tags KORA rs2193873), p=0.002

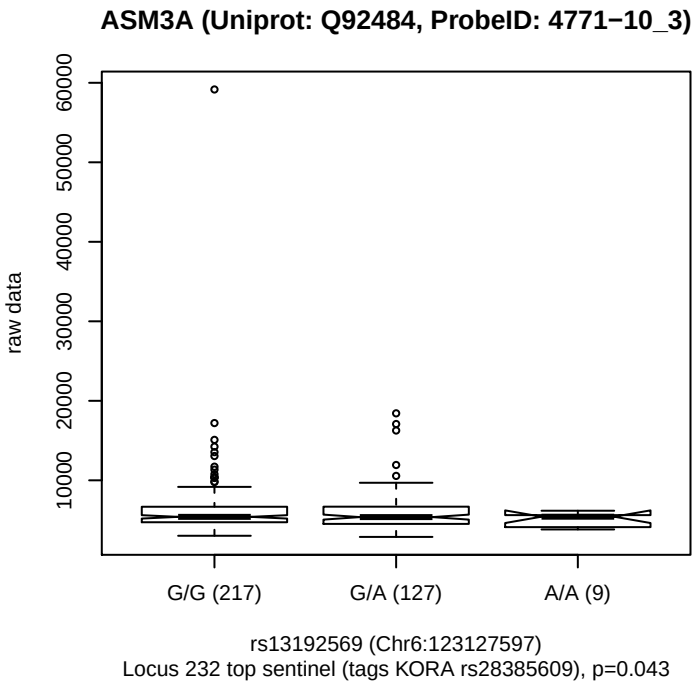

IL−1 R AcP (Uniprot: Q9NPH3, ProbeID: 2630−12_2)
Frequency
0
20
40
60
80
100
120
140
13
14
15
16
log2−scaled data
Interleukin−1 Receptor accessory protein

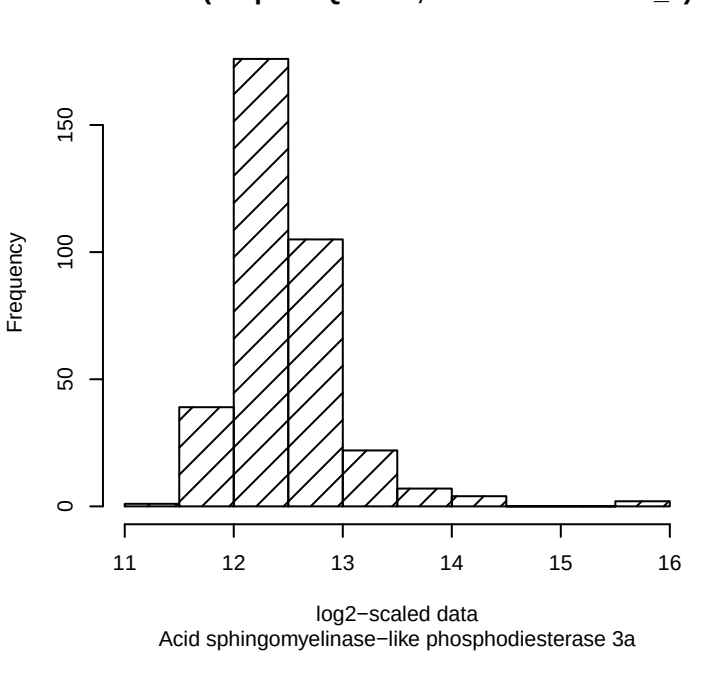

IL−1 R AcP (Uniprot: Q9NPH3, ProbeID: 2630−12_2)
log2−scaled data
13.0
13.5
14.0
14.5
15.0
15.5
16.0
16.5
G/G (101)
G/A (176)
A/A (76)
rs3773954 (Chr3:190314468)
Locus 231 top sentinel (tags KORA rs2193873), p=0.0035, FC=−1.0723

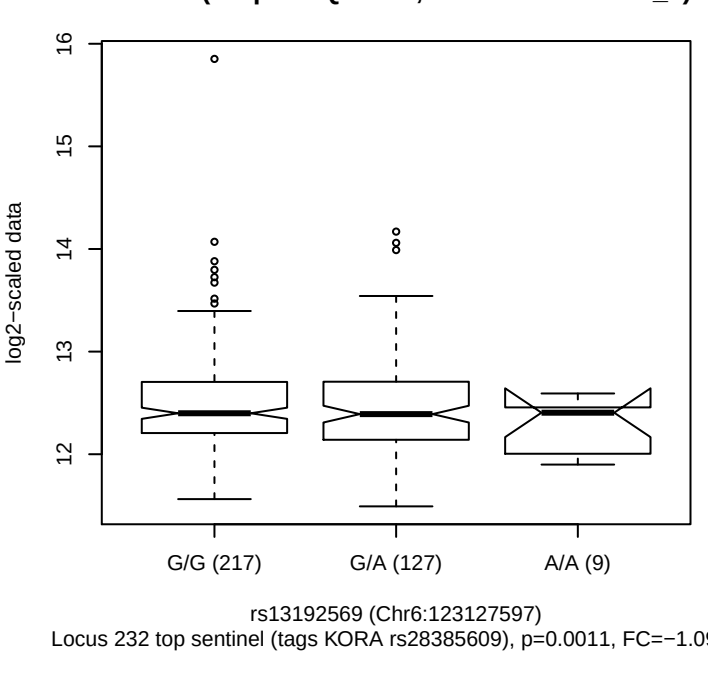

IL−1 R AcP (Uniprot: Q9NPH3, ProbeID: 2630−12_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−1 Receptor accessory protein

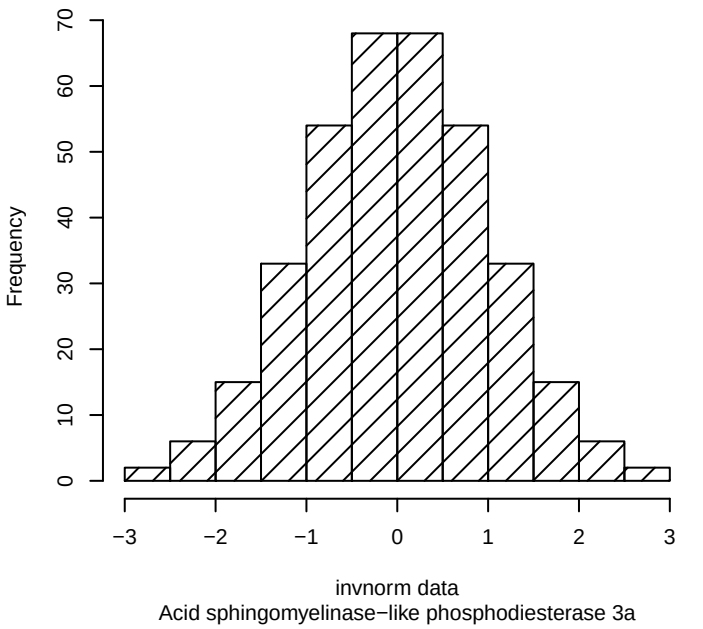

IL−1 R AcP (Uniprot: Q9NPH3, ProbeID: 2630−12_2)
invnorm data
−2
−1
0
1
2
G/G (101)
G/A (176)
A/A (76)
rs3773954 (Chr3:190314468)
Locus 231 top sentinel (tags KORA rs2193873), p=0.0037

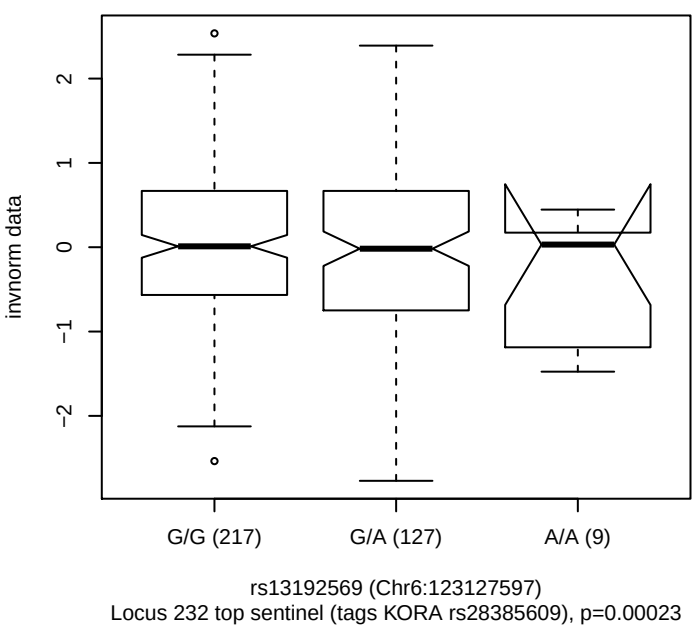

ASM3A (Uniprot: Q92484, ProbeID: 4771−10_3)
Frequency
0
50
100
150
200
0
10000
20000
30000
40000
50000
60000
70000
raw data
Acid sphingomyelinase−like phosphodiesterase 3a

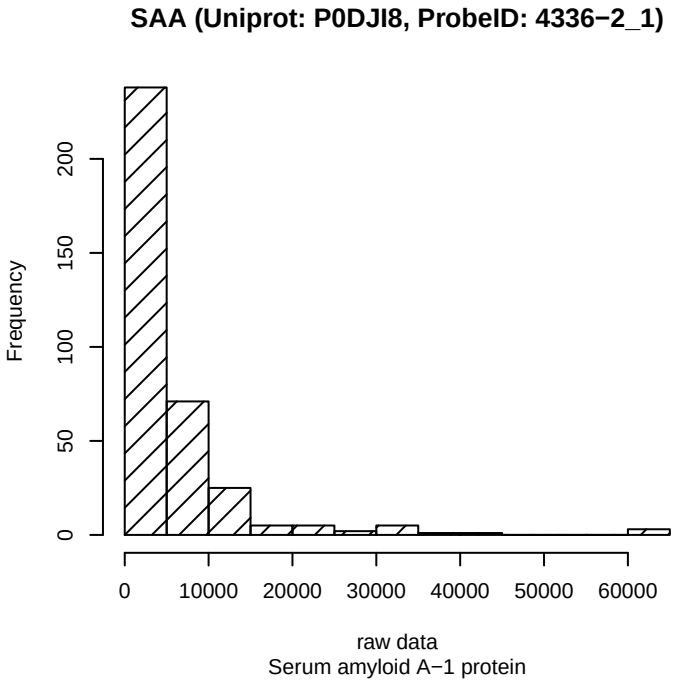

ASM3A (Uniprot: Q92484, ProbeID: 4771−10_3)
raw data
10000
20000
30000
40000
50000
60000
G/G (217)
G/A (127)
A/A (9)
rs13192569 (Chr6:123127597)
Locus 232 top sentinel (tags KORA rs28385609), p=0.043

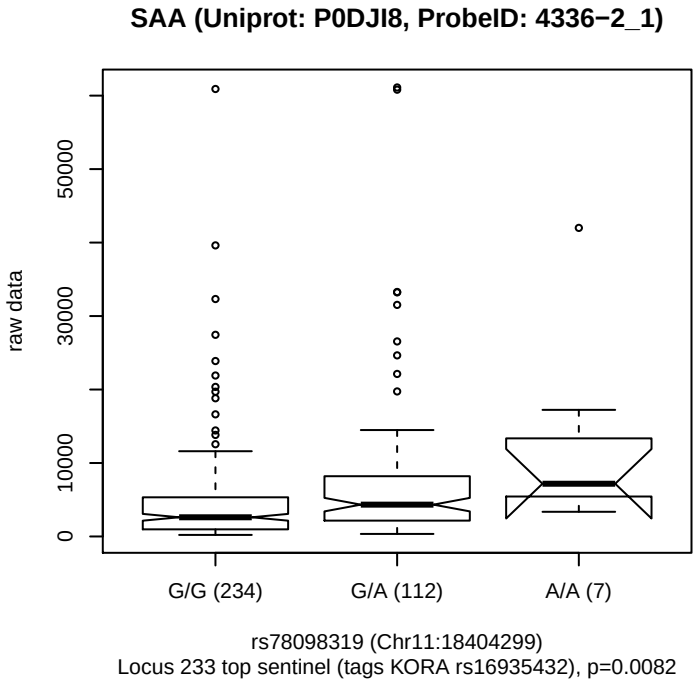

ASM3A (Uniprot: Q92484, ProbeID: 4771−10_3)
Frequency
0
50
100
150
11
12
13
14
15
16
log2−scaled data
Acid sphingomyelinase−like phosphodiesterase 3a

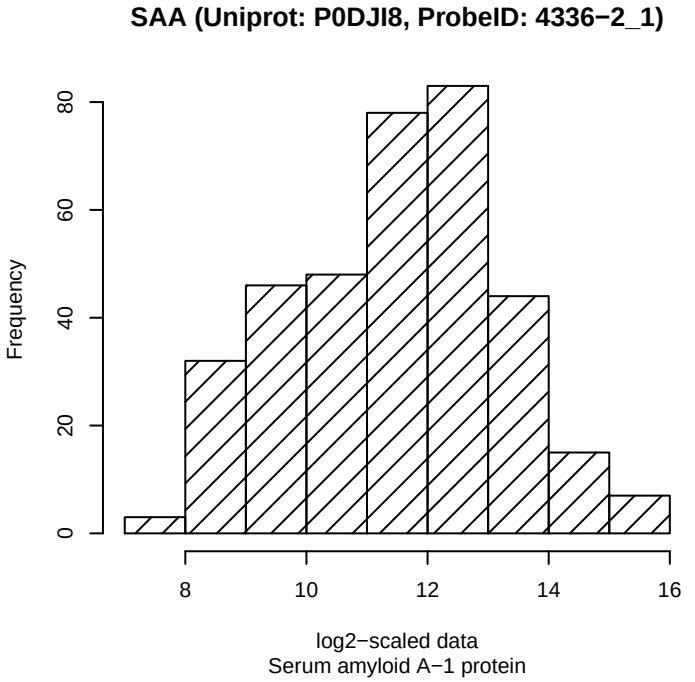

ASM3A (Uniprot: Q92484, ProbeID: 4771−10_3)
log2−scaled data
12
13
14
15
16
G/G (217)
G/A (127)
A/A (9)
rs13192569 (Chr6:123127597)
Locus 232 top sentinel (tags KORA rs28385609), p=0.0011, FC=−1.0946

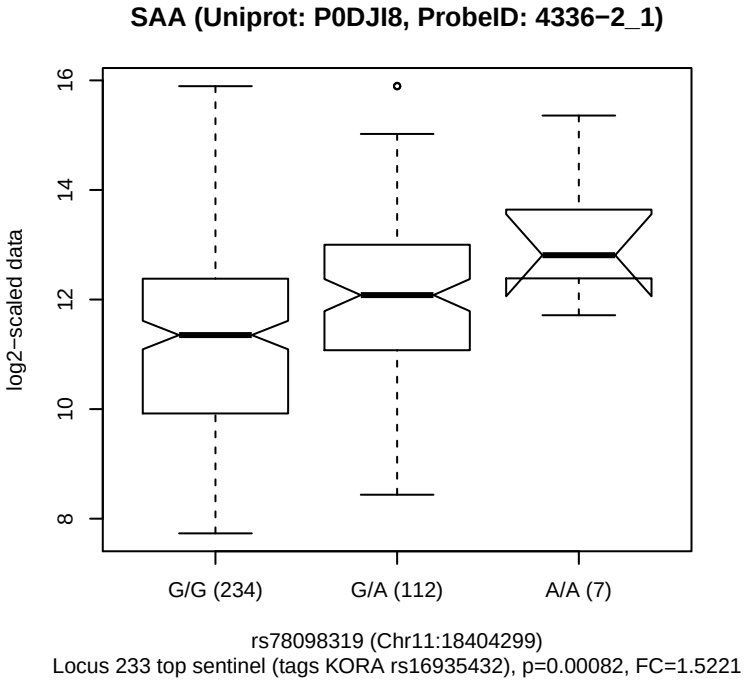

ASM3A (Uniprot: Q92484, ProbeID: 4771−10_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Acid sphingomyelinase−like phosphodiesterase 3a

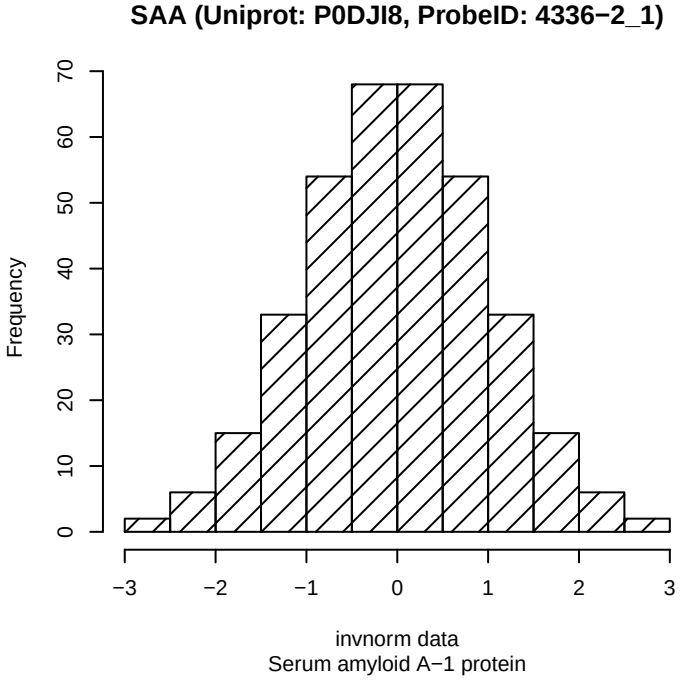

ASM3A (Uniprot: Q92484, ProbeID: 4771−10_3)
invnorm data
−2
−1
0
1
2
G/G (217)
G/A (127)
A/A (9)
rs13192569 (Chr6:123127597)
Locus 232 top sentinel (tags KORA rs28385609), p=0.00023

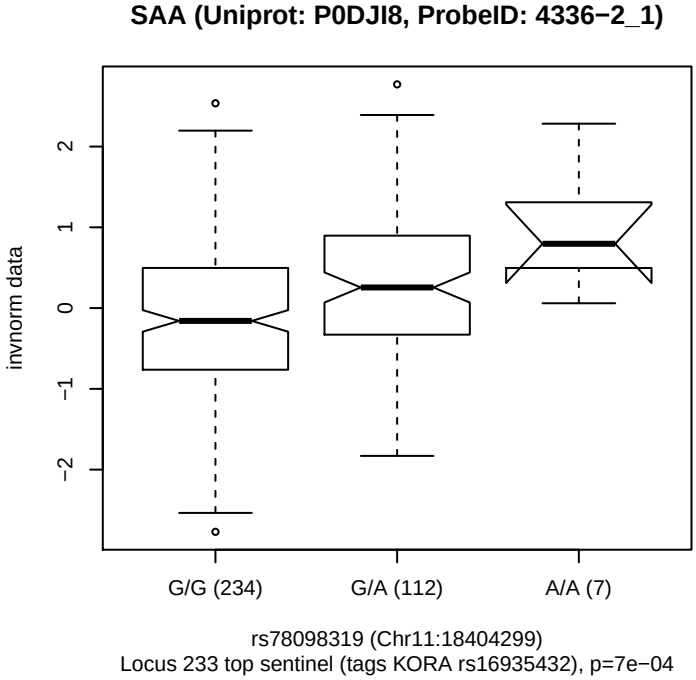

SAA (Uniprot: P0DJI8, ProbeID: 4336−2_1)
Frequency
0
50
100
150
200
0
10000
20000
30000
40000
50000
60000
raw data
Serum amyloid A−1 protein

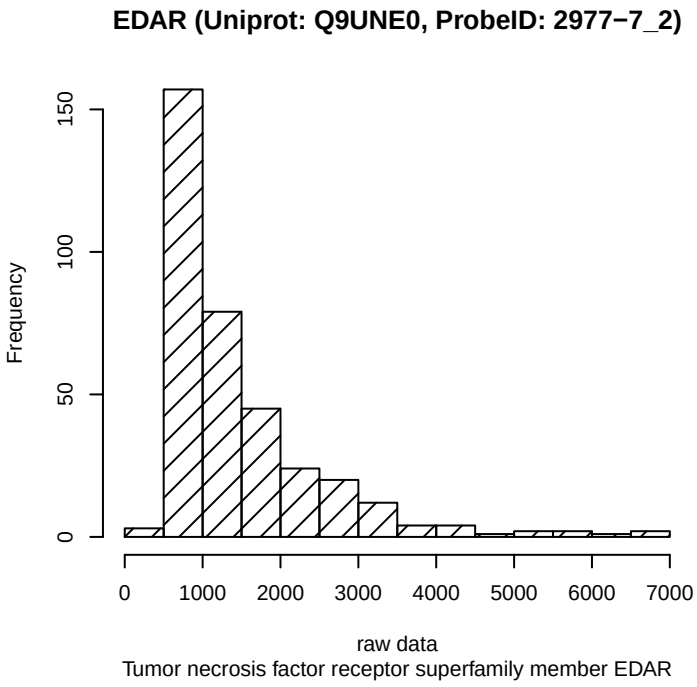

SAA (Uniprot: P0DJI8, ProbeID: 4336−2_1)
raw data
0
10000
30000
50000
G/G (234)
G/A (112)
A/A (7)
rs78098319 (Chr11:18404299)
Locus 233 top sentinel (tags KORA rs16935432), p=0.0082

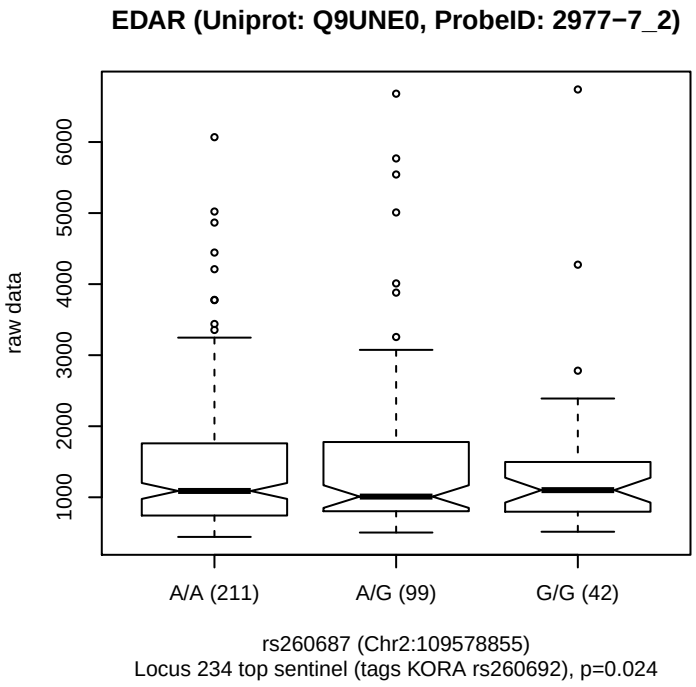

SAA (Uniprot: P0DJI8, ProbeID: 4336−2_1)
Frequency
0
20
40
60
80
8
10
12
14
16
log2−scaled data
Serum amyloid A−1 protein

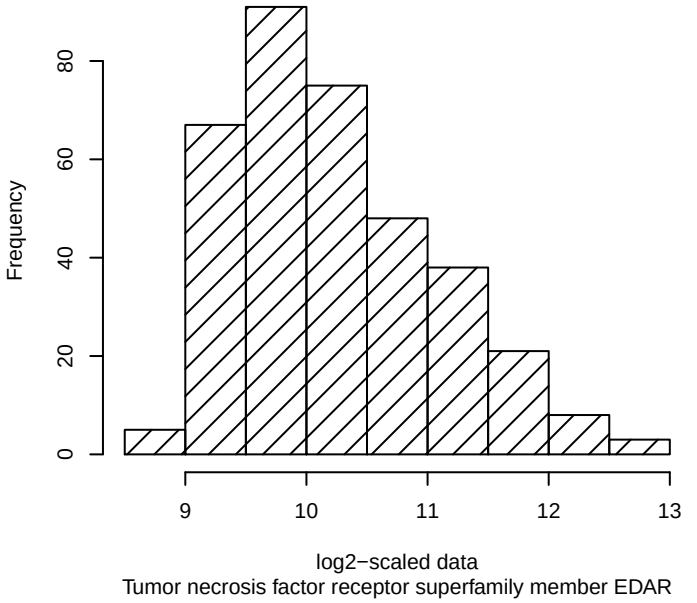

SAA (Uniprot: P0DJI8, ProbeID: 4336−2_1)
log2−scaled data
8
10
12
14
16
G/G (234)
G/A (112)
A/A (7)
rs78098319 (Chr11:18404299)
Locus 233 top sentinel (tags KORA rs16935432), p=0.00082, FC=1.5221

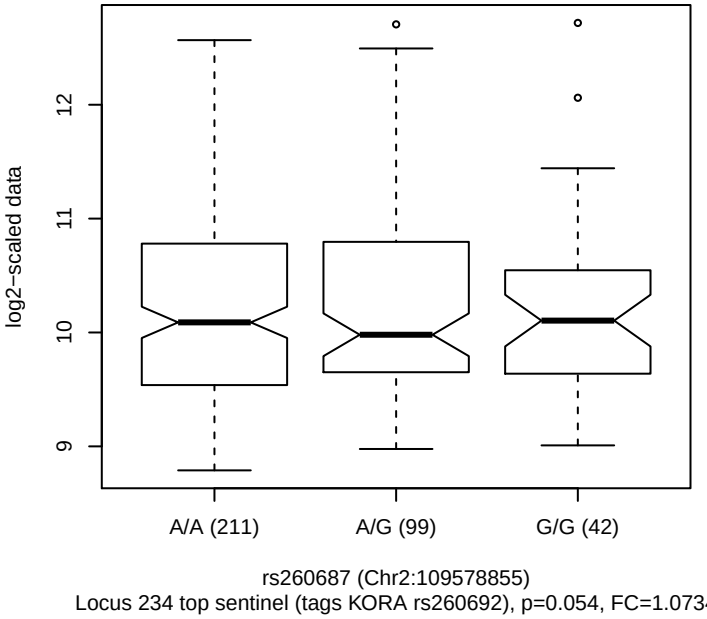

SAA (Uniprot: P0DJI8, ProbeID: 4336−2_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Serum amyloid A−1 protein

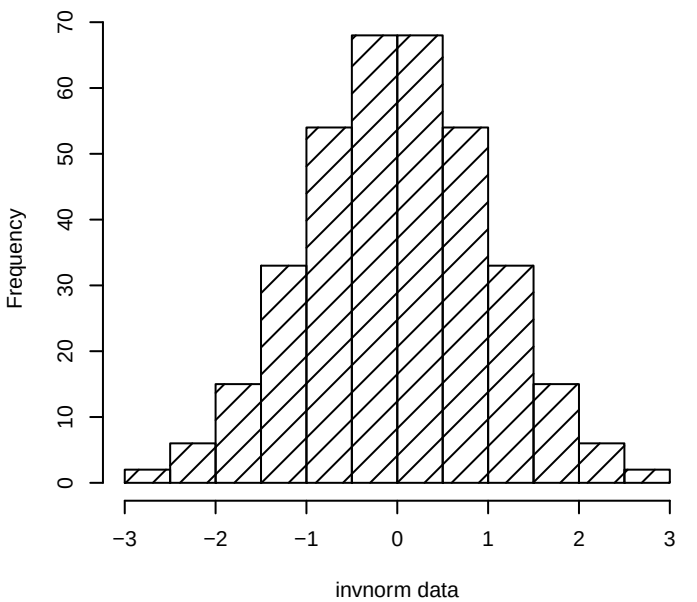

SAA (Uniprot: P0DJI8, ProbeID: 4336−2_1)
invnorm data
−2
−1
0
1
2
G/G (234)
G/A (112)
A/A (7)
rs78098319 (Chr11:18404299)
Locus 233 top sentinel (tags KORA rs16935432), p=7e−04

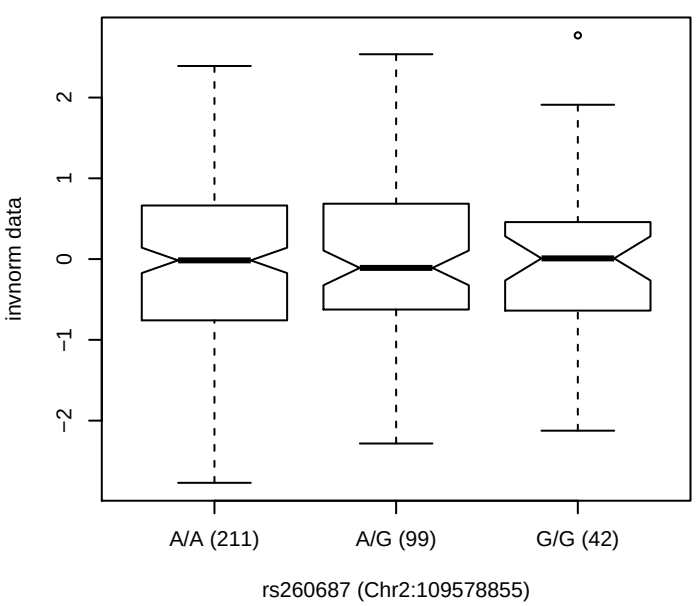

EDAR (Uniprot: Q9UNE0, ProbeID: 2977−7_2)
Frequency
0
50
100
150
0
1000
2000
3000
4000
5000
6000
7000
raw data
Tumor necrosis factor receptor superfamily member EDAR

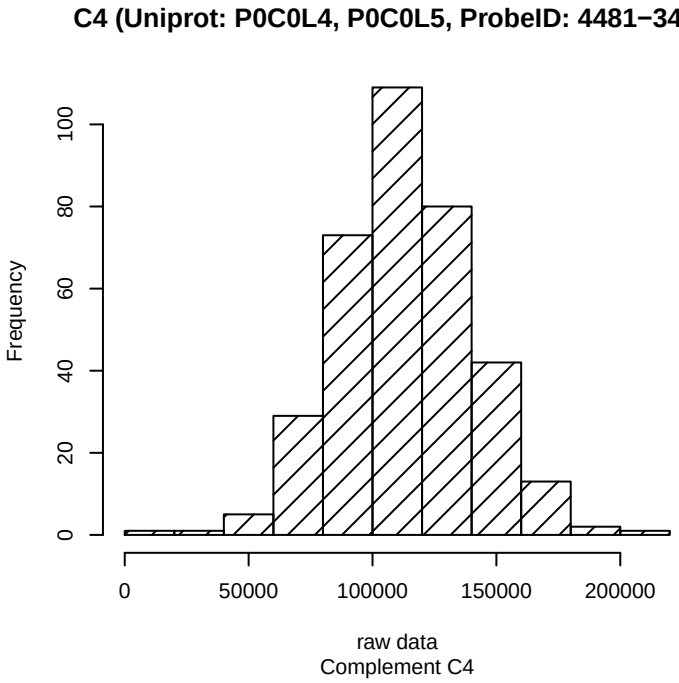

EDAR (Uniprot: Q9UNE0, ProbeID: 2977−7_2)
raw data
1000
2000
3000
4000
5000
6000
A/A (211)
A/G (99)
G/G (42)
rs260687 (Chr2:109578855)
Locus 234 top sentinel (tags KORA rs260692), p=0.024

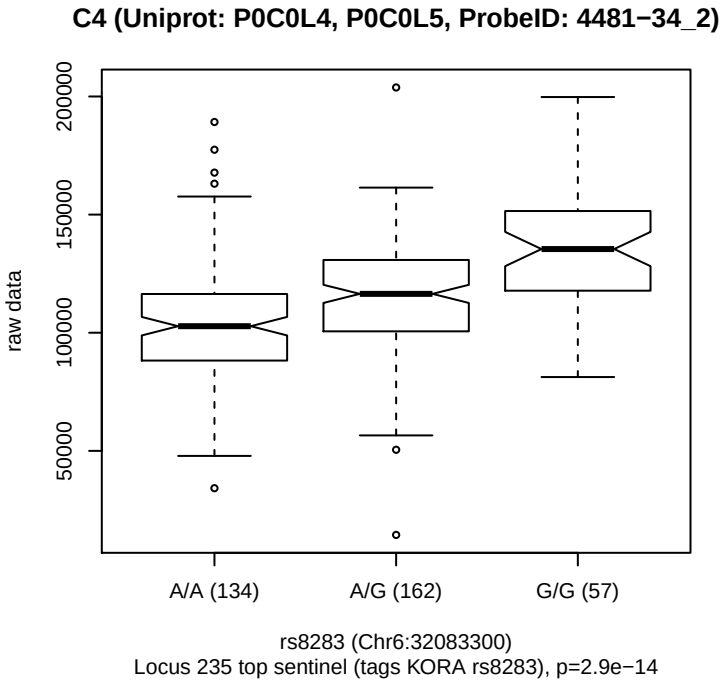

EDAR (Uniprot: Q9UNE0, ProbeID: 2977−7_2)
Frequency
0
20
40
60
80
9
10
11
12
13
log2−scaled data
Tumor necrosis factor receptor superfamily member EDAR

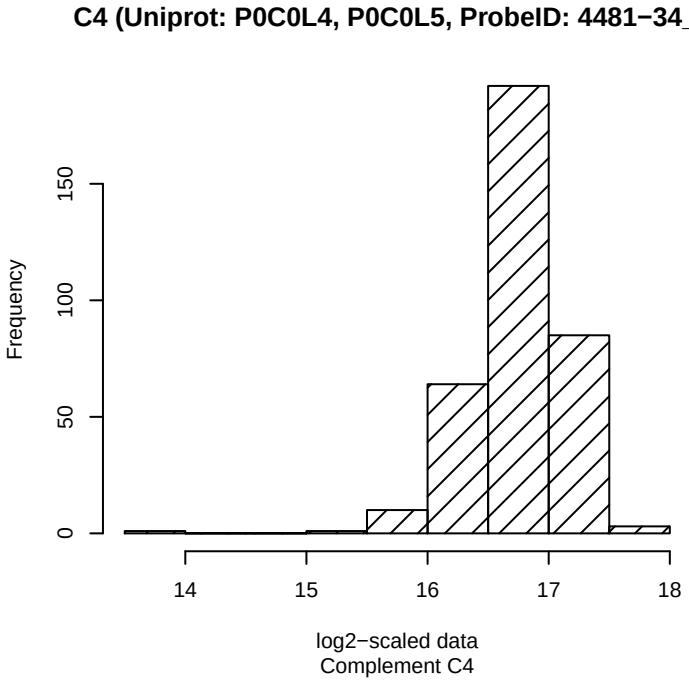

EDAR (Uniprot: Q9UNE0, ProbeID: 2977−7_2)
log2−scaled data
9
10
11
12
A/A (211)
A/G (99)
G/G (42)
rs260687 (Chr2:109578855)
Locus 234 top sentinel (tags KORA rs260692), p=0.054, FC=1.0734

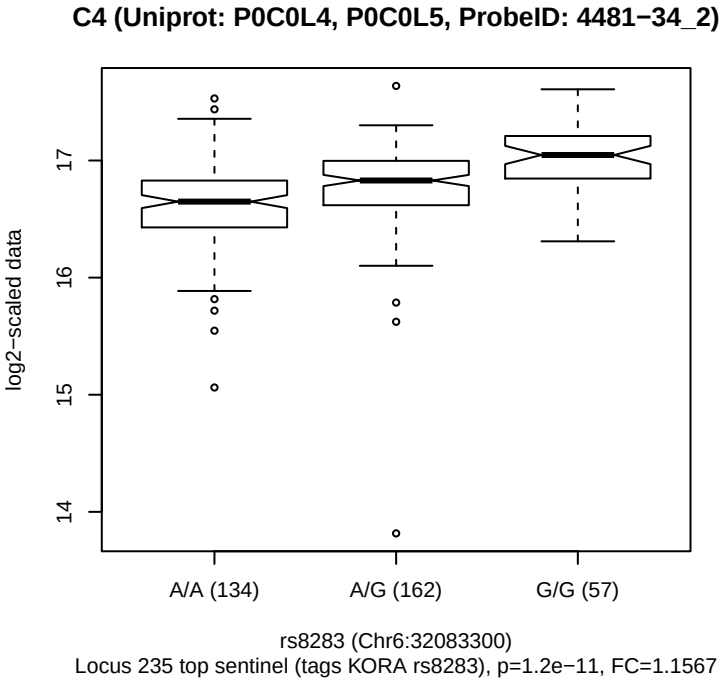

EDAR (Uniprot: Q9UNE0, ProbeID: 2977−7_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Tumor necrosis factor receptor superfamily member EDAR

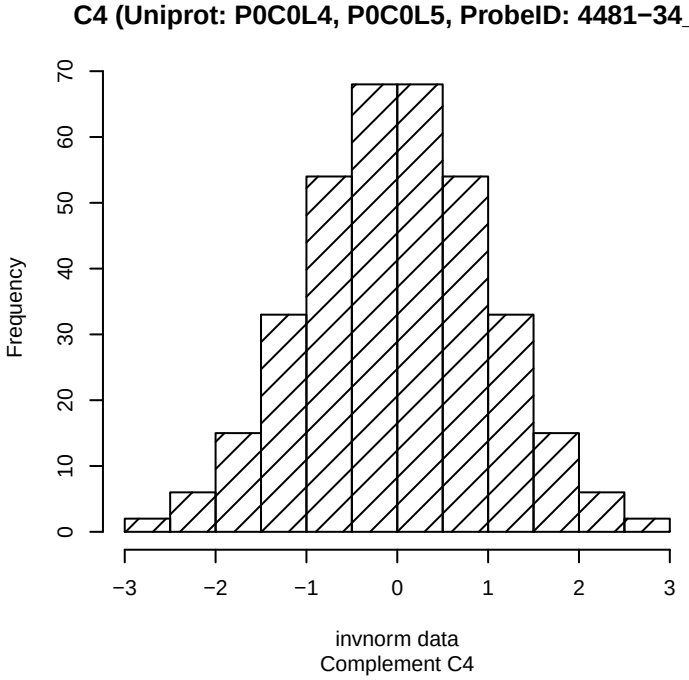

EDAR (Uniprot: Q9UNE0, ProbeID: 2977−7_2)
invnorm data
−2
−1
0
1
2
A/A (211)
A/G (99)
G/G (42)
rs260687 (Chr2:109578855)
Locus 234 top sentinel (tags KORA rs260692), p=0.099

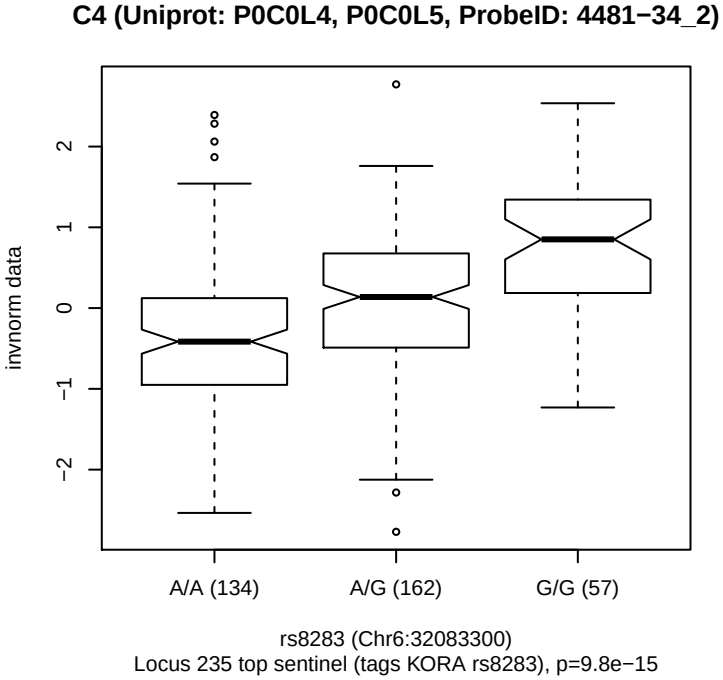

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
Frequency
0
20
40
60
80
100
0
50000
100000
150000
200000
raw data
Complement C4

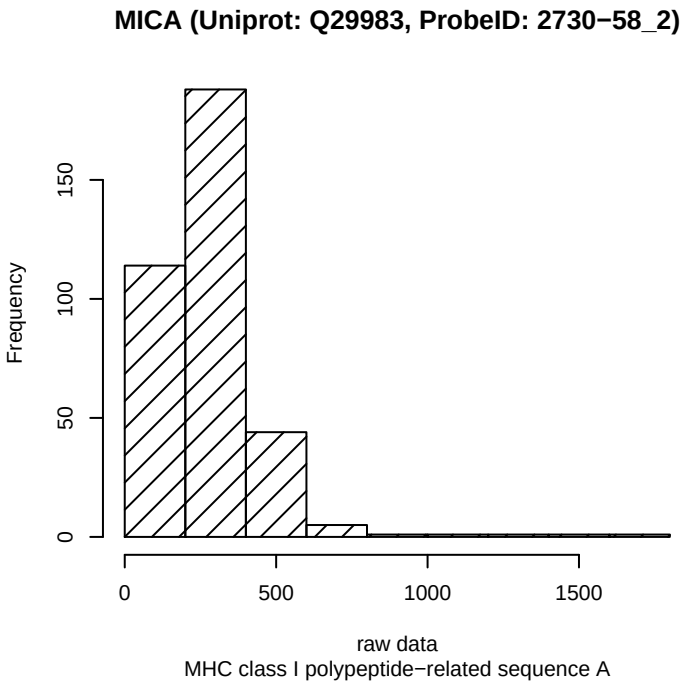

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
raw data
50000
100000
150000
200000
A/A (134)
A/G (162)
G/G (57)
rs8283 (Chr6:32083300)
Locus 235 top sentinel (tags KORA rs8283), p=2.9e−14

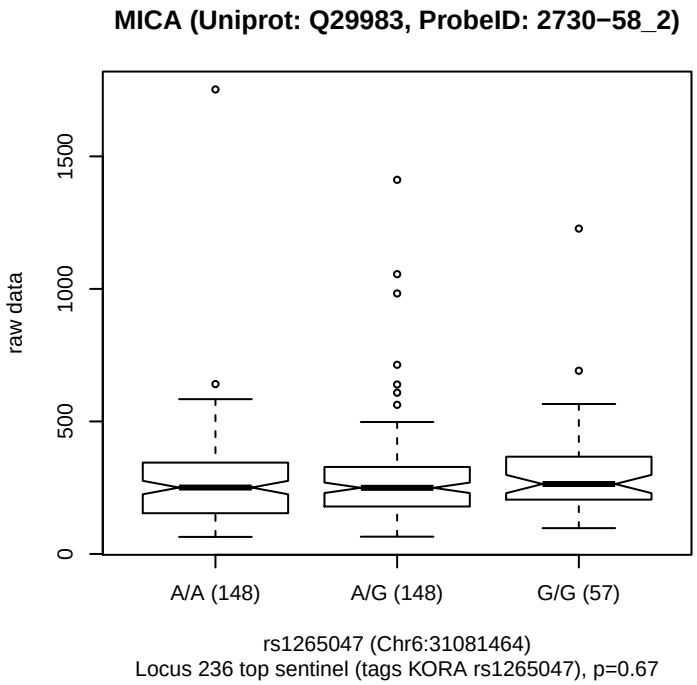

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
Frequency
0
50
100
150
14
15
16
17
18
log2−scaled data
Complement C4

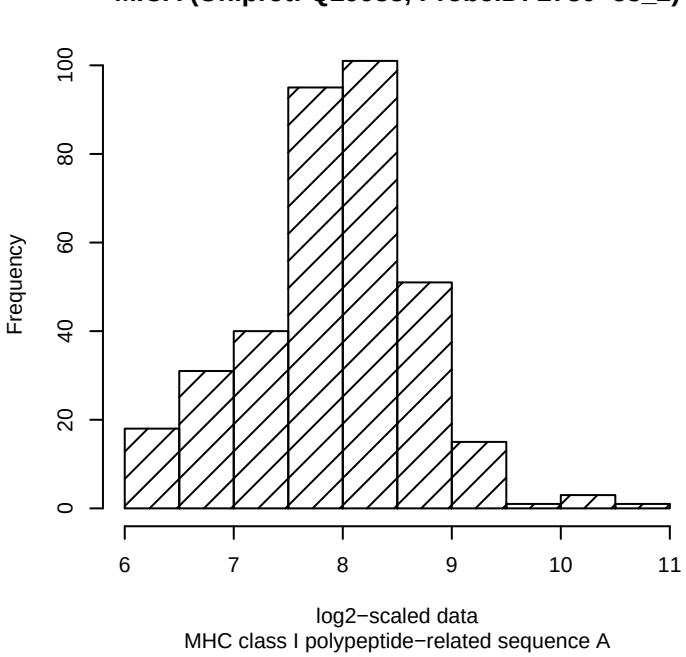

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
log2−scaled data
14
15
16
17
A/A (134)
A/G (162)
G/G (57)
rs8283 (Chr6:32083300)
Locus 235 top sentinel (tags KORA rs8283), p=1.2e−11, FC=1.1567

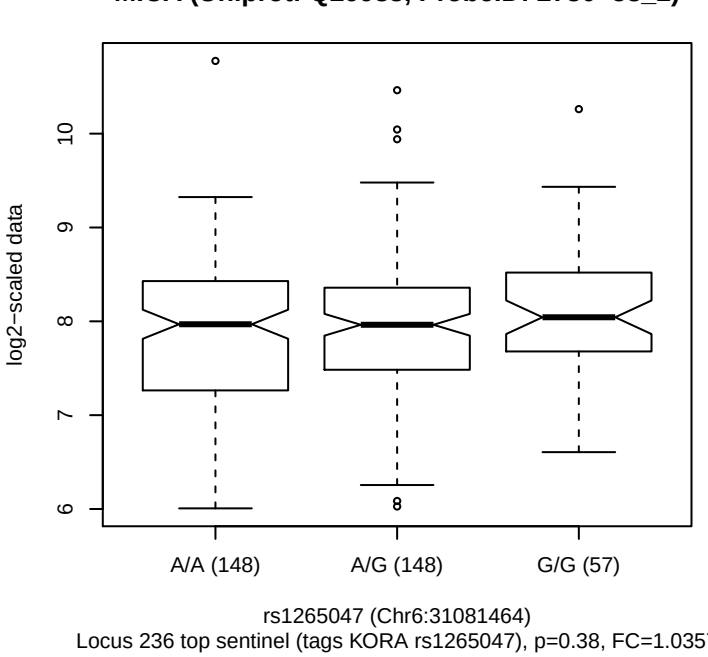

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Complement C4

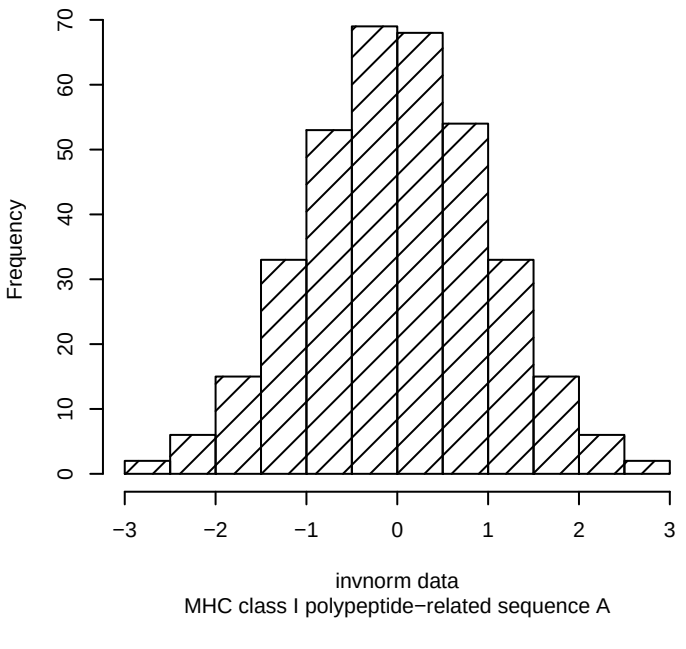

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
invnorm data
−2
−1
0
1
2
A/A (134)
A/G (162)
G/G (57)
rs8283 (Chr6:32083300)
Locus 235 top sentinel (tags KORA rs8283), p=9.8e−15

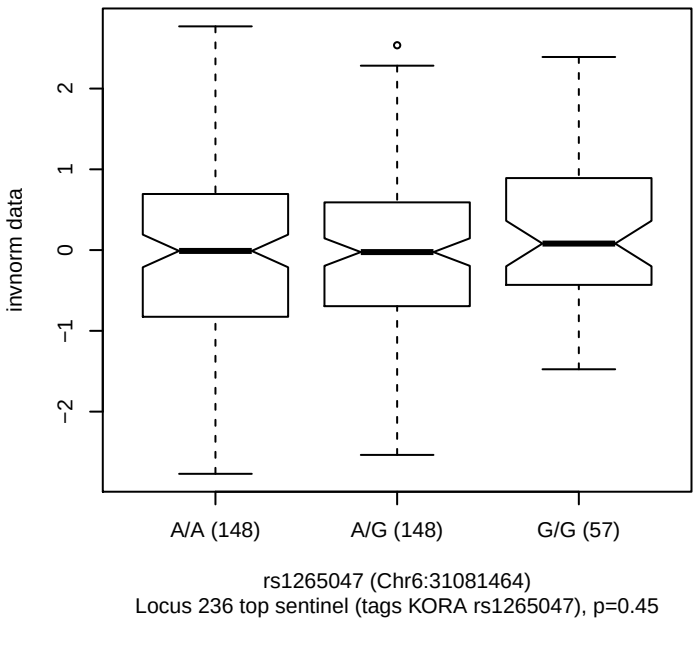

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
0
500
1000
1500
raw data
MHC class I polypeptide−related sequence A

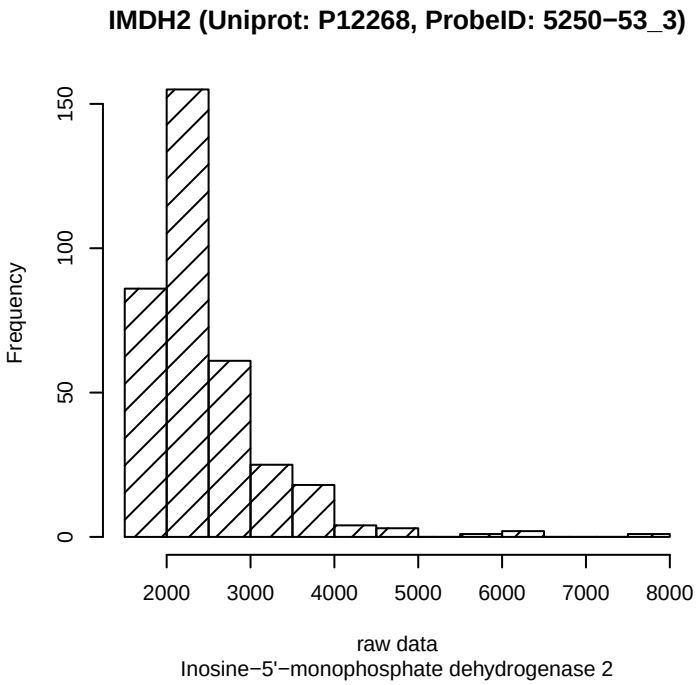

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
raw data
0
500
1000
1500
A/A (148)
A/G (148)
G/G (57)
rs1265047 (Chr6:31081464)
Locus 236 top sentinel (tags KORA rs1265047), p=0.67

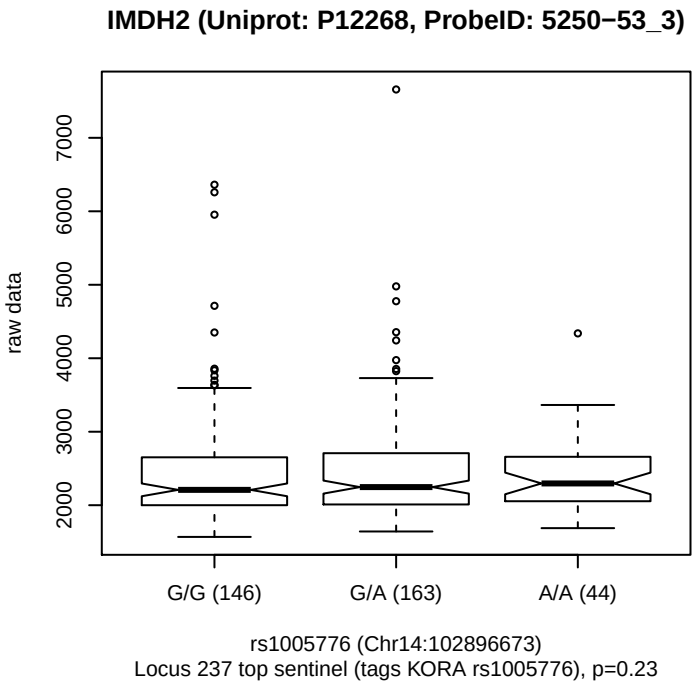

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
20
40
60
80
100
6
7
8
9
10
11
log2−scaled data
MHC class I polypeptide−related sequence A

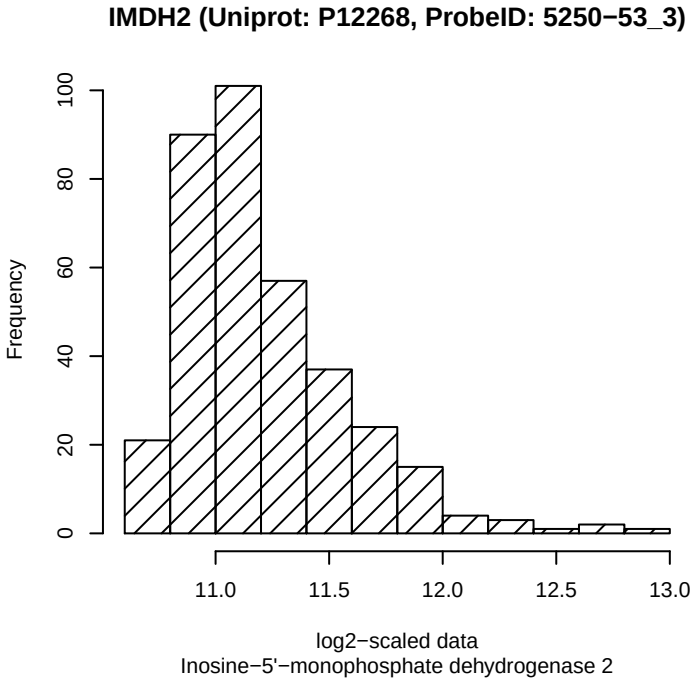

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
log2−scaled data
6
7
8
9
10
A/A (148)
A/G (148)
G/G (57)
rs1265047 (Chr6:31081464)
Locus 236 top sentinel (tags KORA rs1265047), p=0.38, FC=1.0357

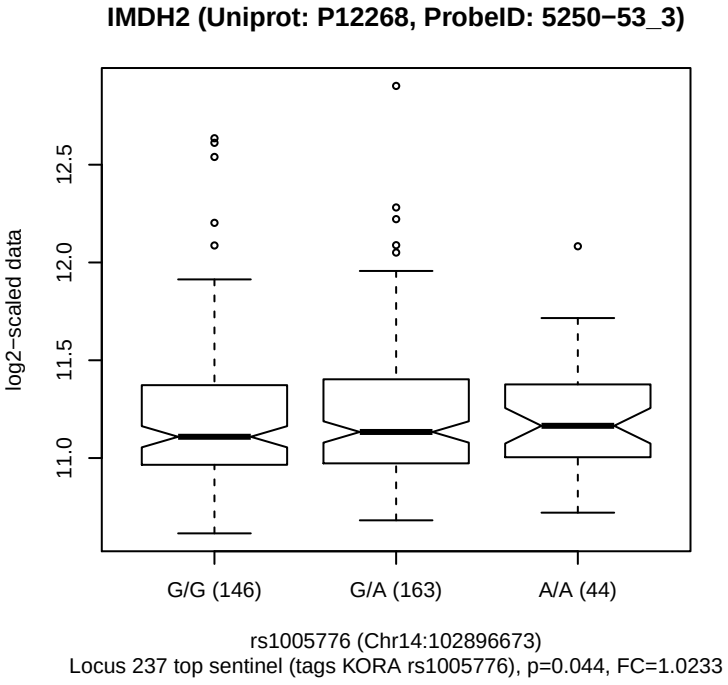

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence A

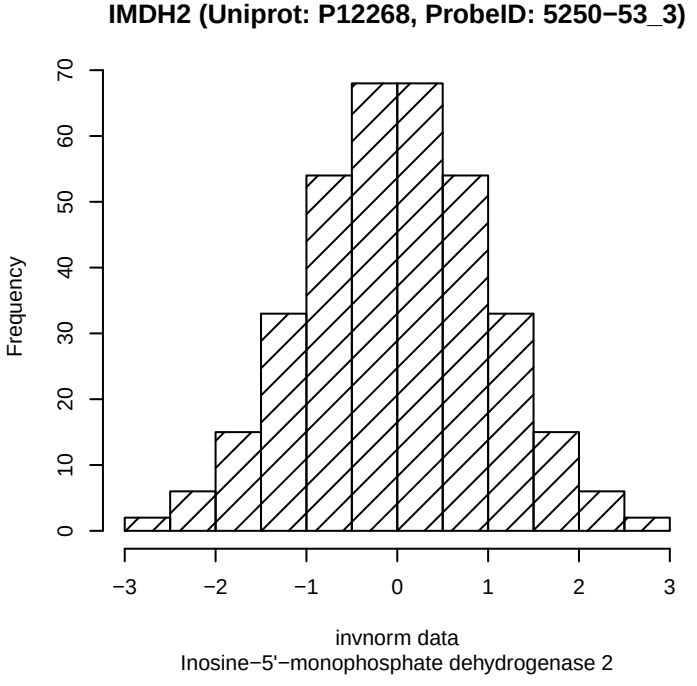

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
invnorm data
−2
−1
0
1
2
A/A (148)
A/G (148)
G/G (57)
rs1265047 (Chr6:31081464)
Locus 236 top sentinel (tags KORA rs1265047), p=0.45

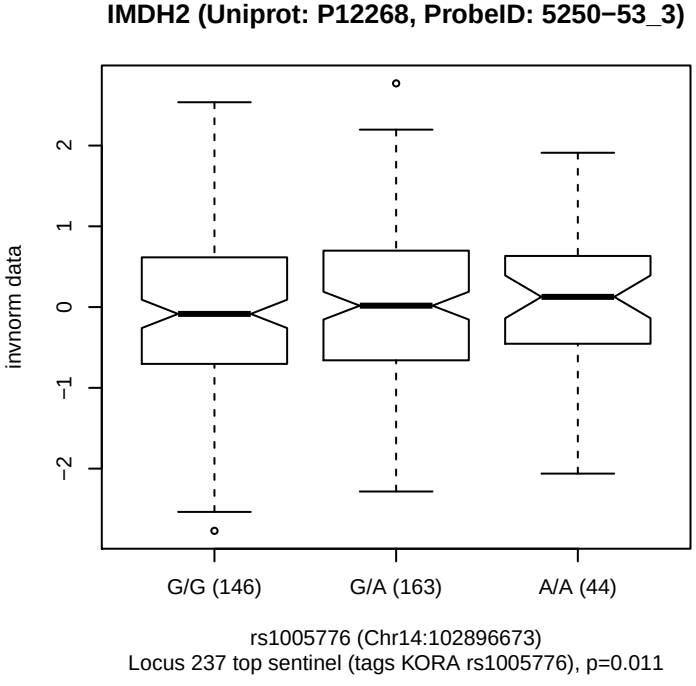

IMDH2 (Uniprot: P12268, ProbeID: 5250−53_3)
Frequency
0
50
100
150
2000
3000
4000
5000
6000
7000
8000
raw data
Inosine−5'−monophosphate dehydrogenase 2

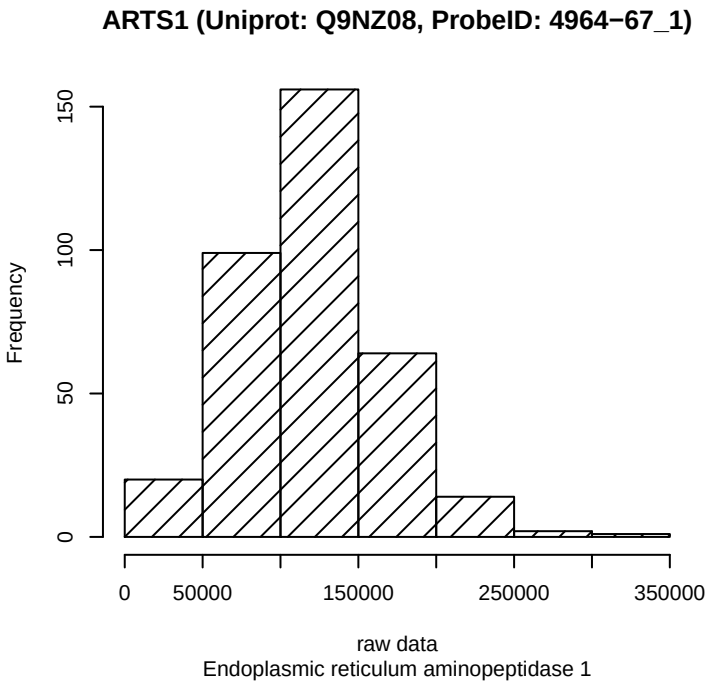

IMDH2 (Uniprot: P12268, ProbeID: 5250−53_3)
raw data
2000
3000
4000
5000
6000
7000
G/G (146)
G/A (163)
A/A (44)
rs1005776 (Chr14:102896673)
Locus 237 top sentinel (tags KORA rs1005776), p=0.23

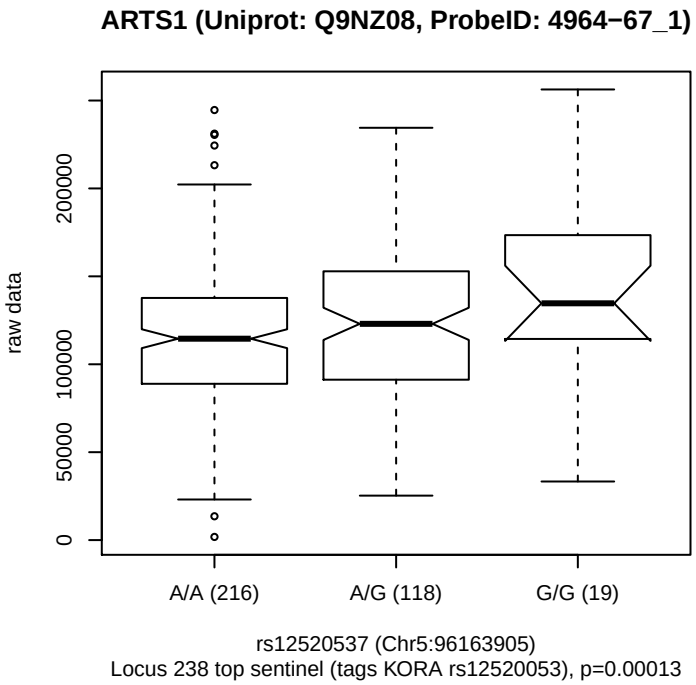

IMDH2 (Uniprot: P12268, ProbeID: 5250−53_3)
Frequency
0
20
40
60
80
100
11.0
11.5
12.0
12.5
13.0
log2−scaled data
Inosine−5'−monophosphate dehydrogenase 2

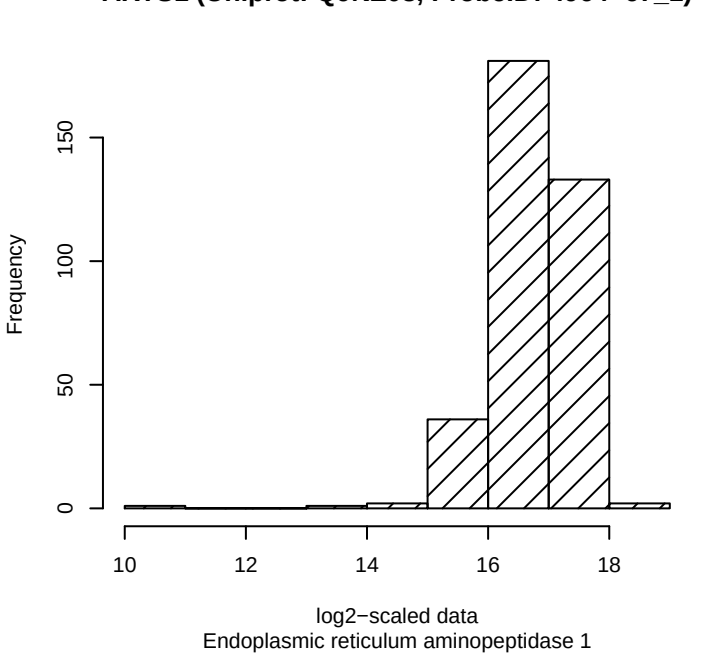

IMDH2 (Uniprot: P12268, ProbeID: 5250−53_3)
log2−scaled data
11.0
11.5
12.0
12.5
G/G (146)
G/A (163)
A/A (44)
rs1005776 (Chr14:102896673)
Locus 237 top sentinel (tags KORA rs1005776), p=0.044, FC=1.0233

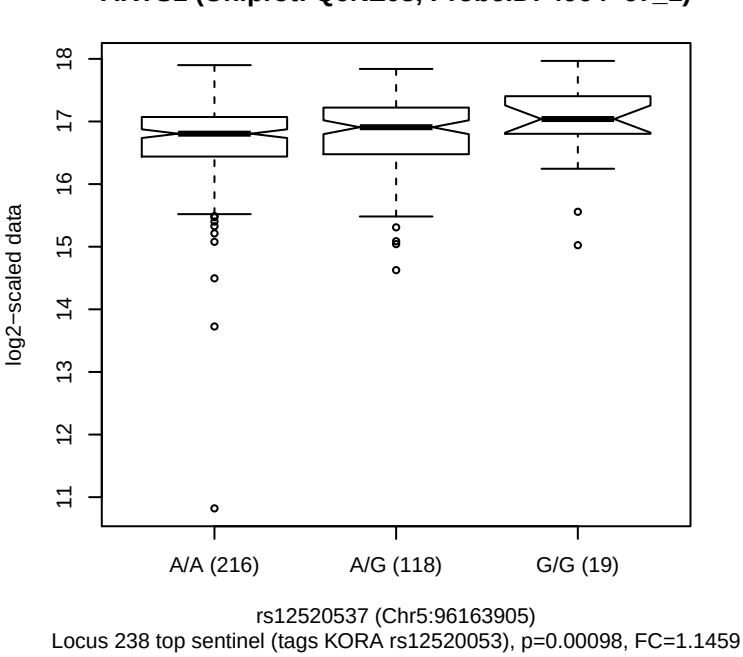

IMDH2 (Uniprot: P12268, ProbeID: 5250−53_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Inosine−5'−monophosphate dehydrogenase 2

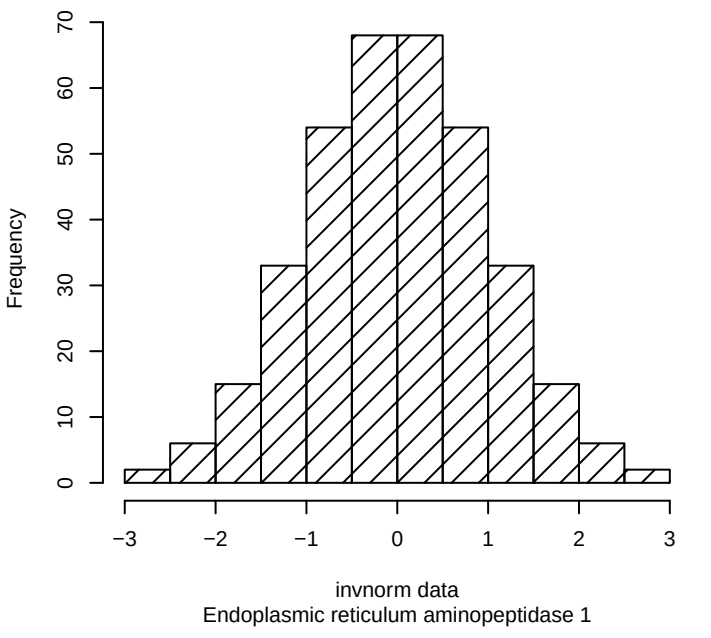

IMDH2 (Uniprot: P12268, ProbeID: 5250−53_3)
invnorm data
−2
−1
0
1
2
G/G (146)
G/A (163)
A/A (44)
rs1005776 (Chr14:102896673)
Locus 237 top sentinel (tags KORA rs1005776), p=0.011

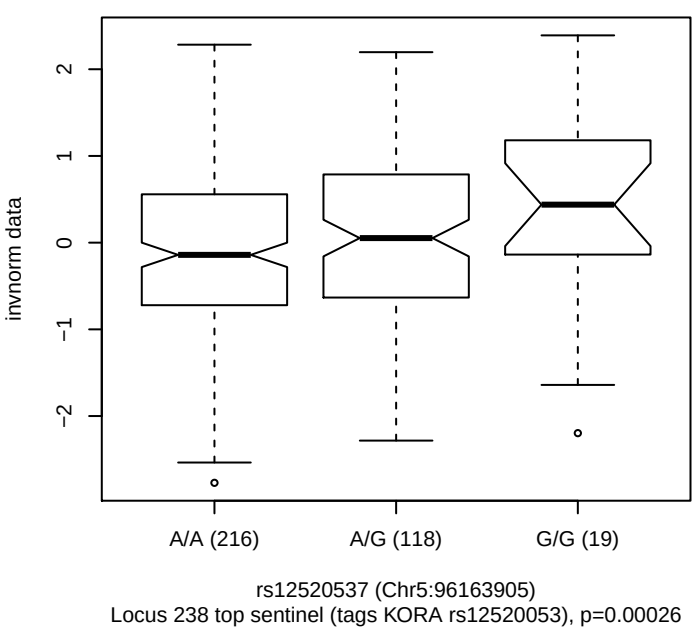

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
Frequency
0
50
100
150
0
50000
150000
250000
350000
raw data
Endoplasmic reticulum aminopeptidase 1

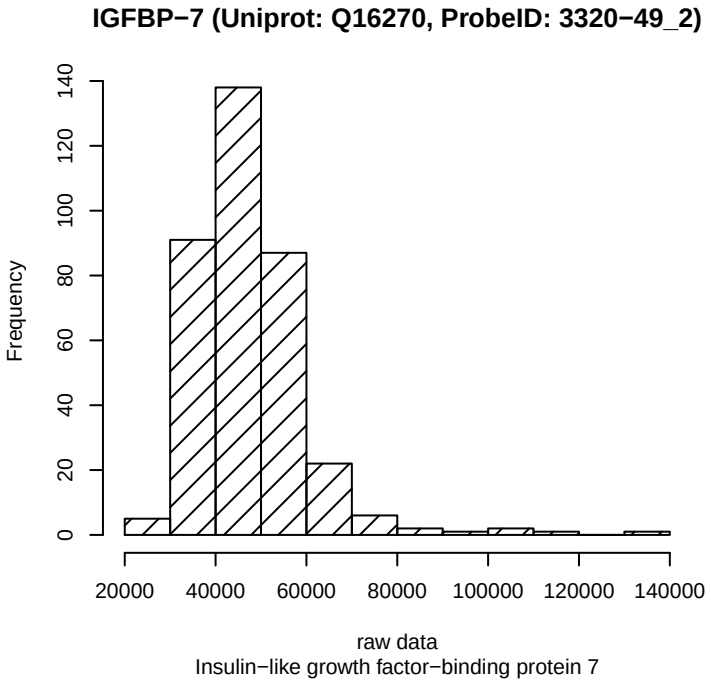

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
raw data
0
50000
100000
200000
A/A (216)
A/G (118)
G/G (19)
rs12520537 (Chr5:96163905)
Locus 238 top sentinel (tags KORA rs12520053), p=0.00013

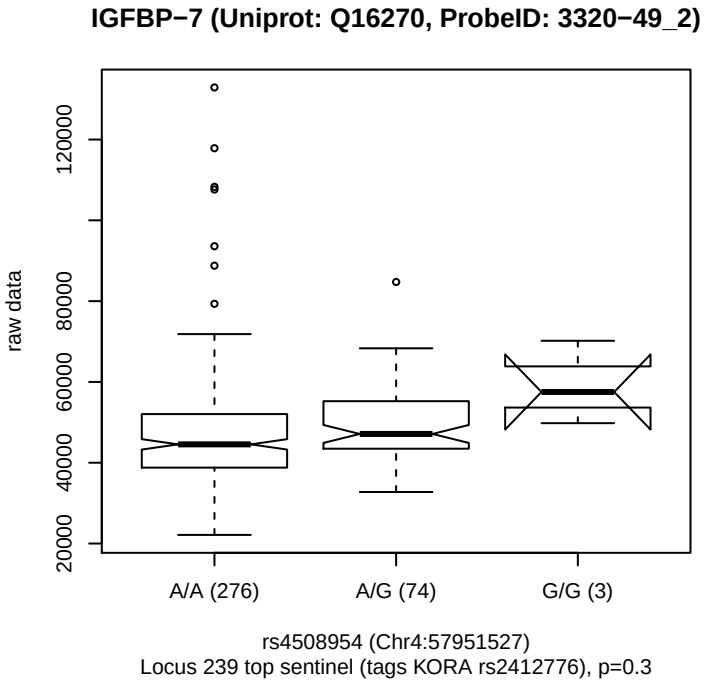

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
Frequency
0
50
100
150
10
12
14
16
18
log2−scaled data
Endoplasmic reticulum aminopeptidase 1

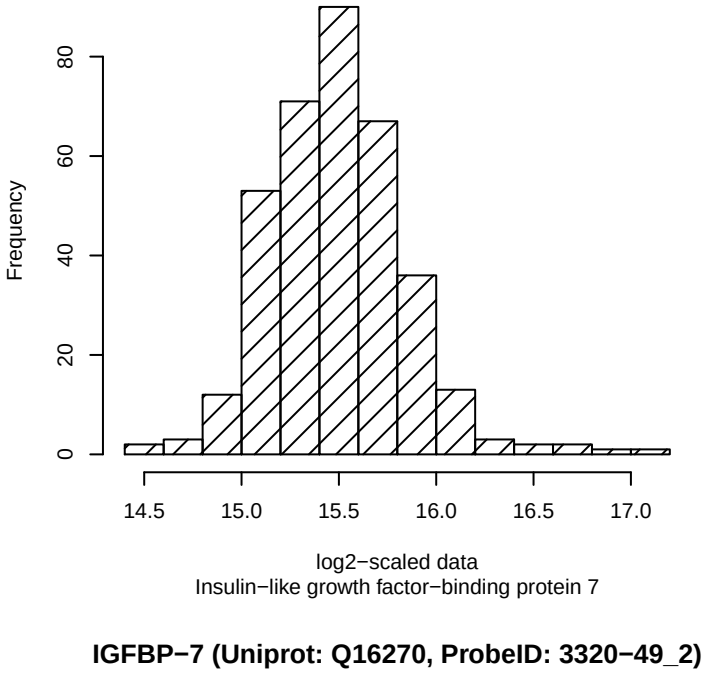

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
log2−scaled data
11
12
13
14
15
16
17
18
A/A (216)
A/G (118)
G/G (19)
rs12520537 (Chr5:96163905)
Locus 238 top sentinel (tags KORA rs12520053), p=0.00098, FC=1.1459

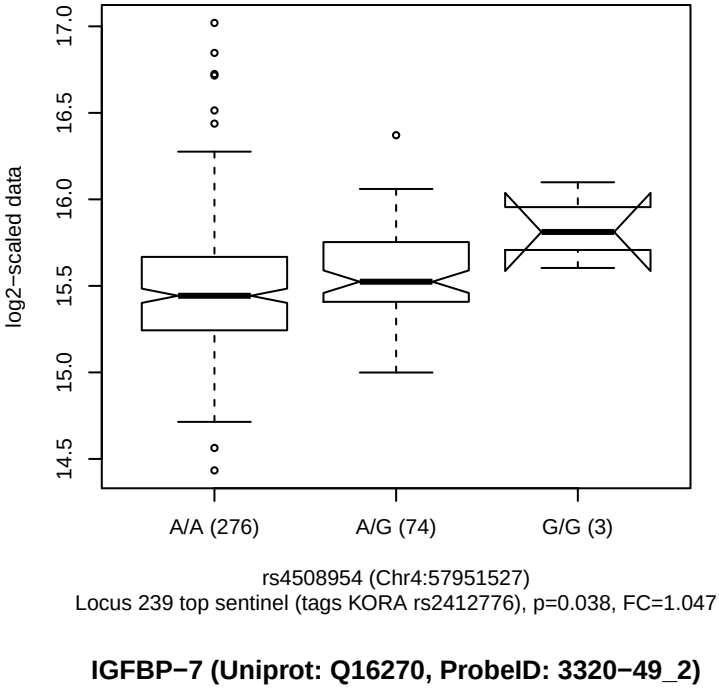

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Endoplasmic reticulum aminopeptidase 1

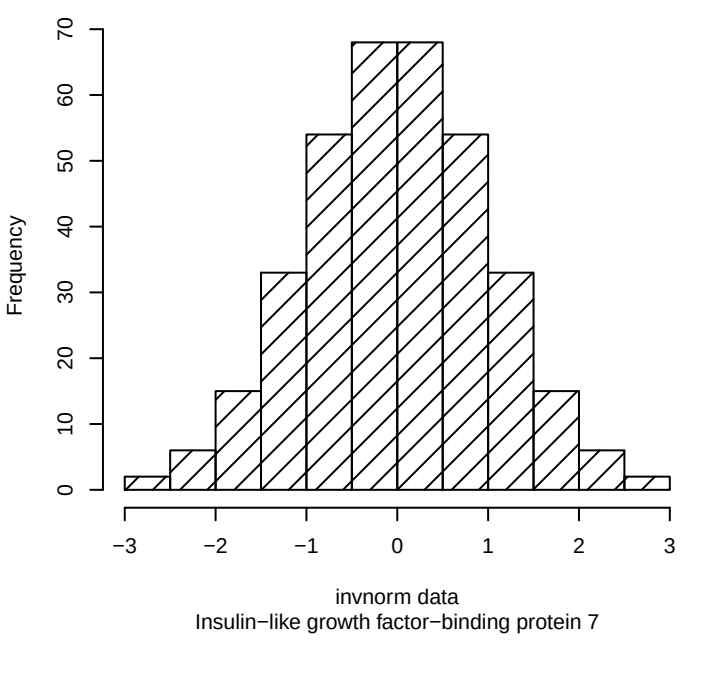

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
invnorm data
−2
−1
0
1
2
A/A (216)
A/G (118)
G/G (19)
rs12520537 (Chr5:96163905)
Locus 238 top sentinel (tags KORA rs12520053), p=0.00026

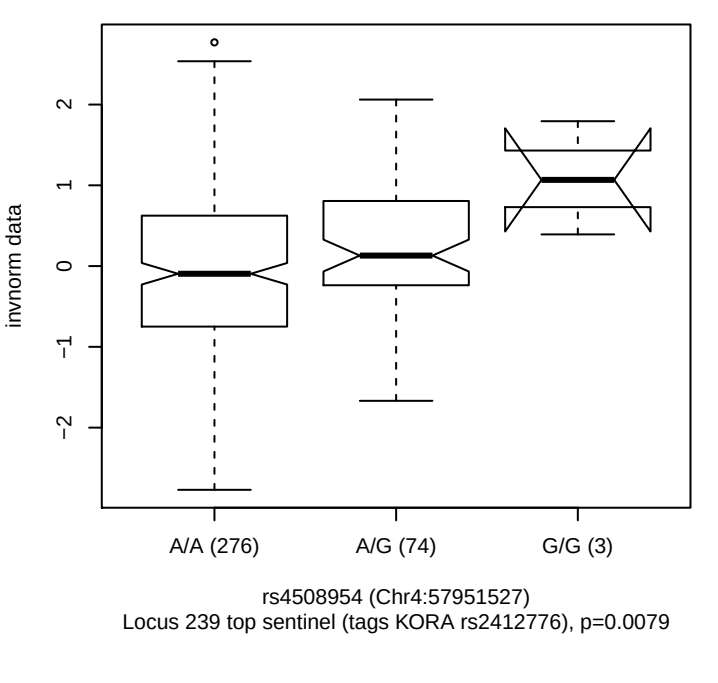

IGFBP−7 (Uniprot: Q16270, ProbeID: 3320−49_2)
Frequency
0
20
40
60
80
100
120
140
20000
40000
60000
80000
100000
120000
140000
raw data
Insulin−like growth factor−binding protein 7

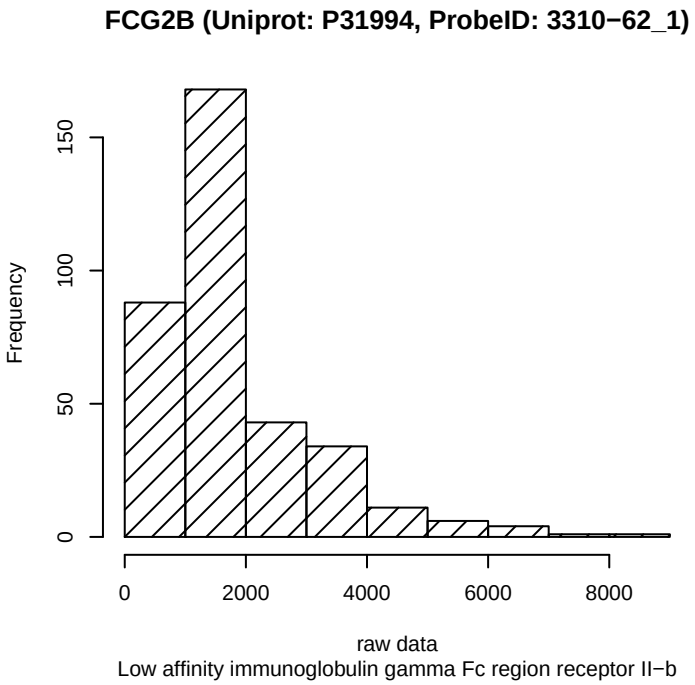

IGFBP−7 (Uniprot: Q16270, ProbeID: 3320−49_2)
raw data
20000
40000
60000
80000
120000
A/A (276)
A/G (74)
G/G (3)
rs4508954 (Chr4:57951527)
Locus 239 top sentinel (tags KORA rs2412776), p=0.3

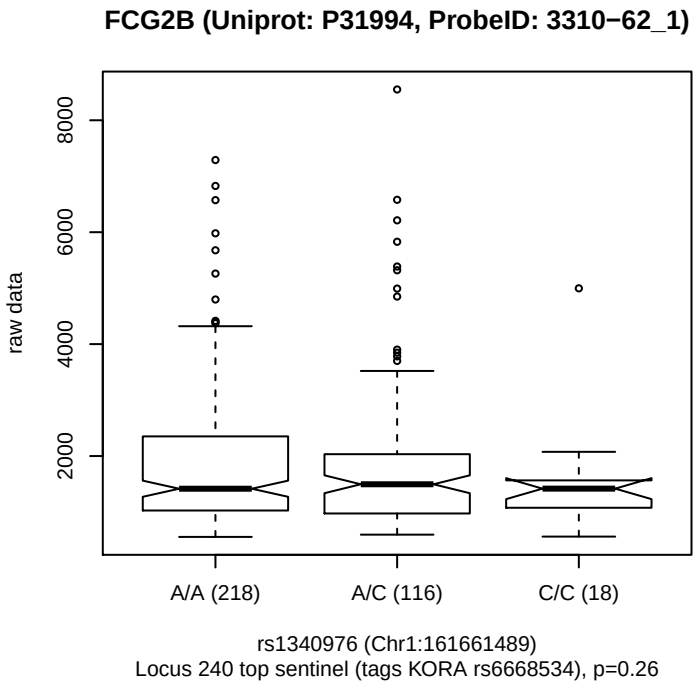

IGFBP−7 (Uniprot: Q16270, ProbeID: 3320−49_2)
Frequency
0
20
40
60
80
14.5
15.0
15.5
16.0
16.5
17.0
log2−scaled data
Insulin−like growth factor−binding protein 7

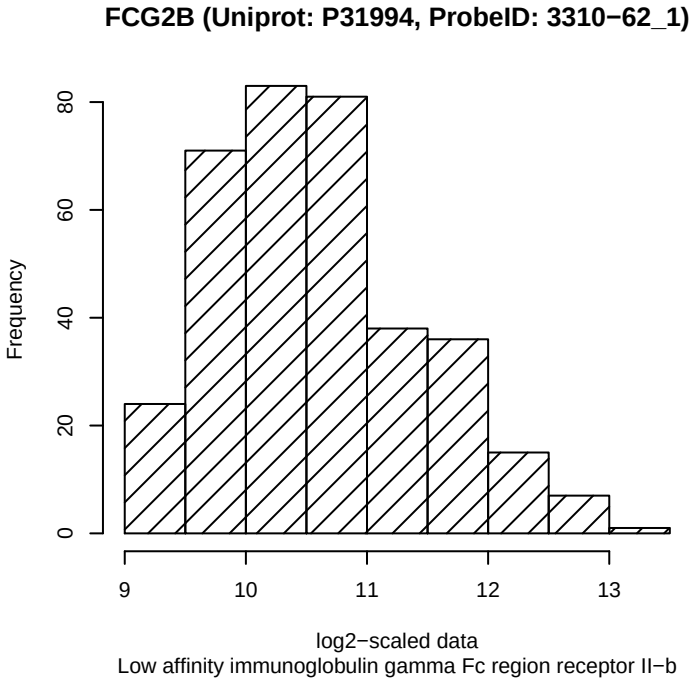

IGFBP−7 (Uniprot: Q16270, ProbeID: 3320−49_2)
log2−scaled data
14.5
15.0
15.5
16.0
16.5
17.0
A/A (276)
A/G (74)
G/G (3)
rs4508954 (Chr4:57951527)
Locus 239 top sentinel (tags KORA rs2412776), p=0.038, FC=1.047

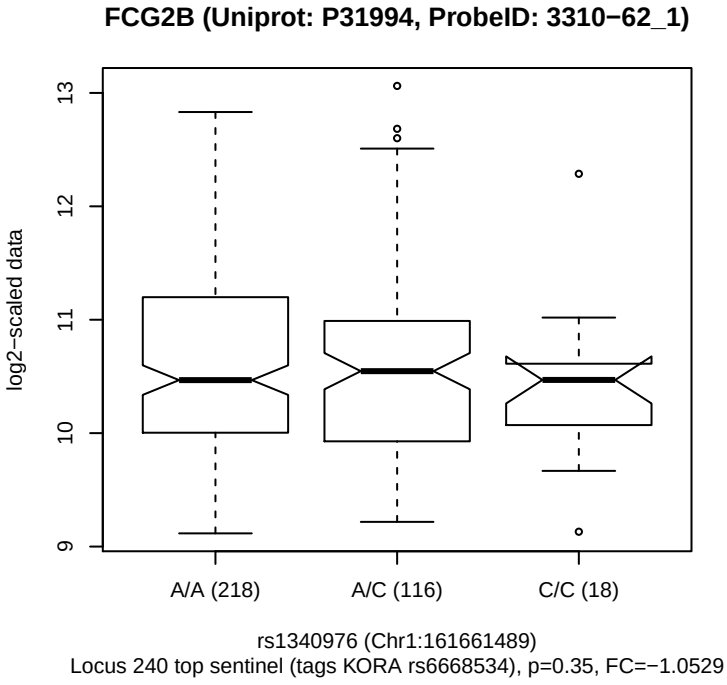

IGFBP−7 (Uniprot: Q16270, ProbeID: 3320−49_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Insulin−like growth factor−binding protein 7

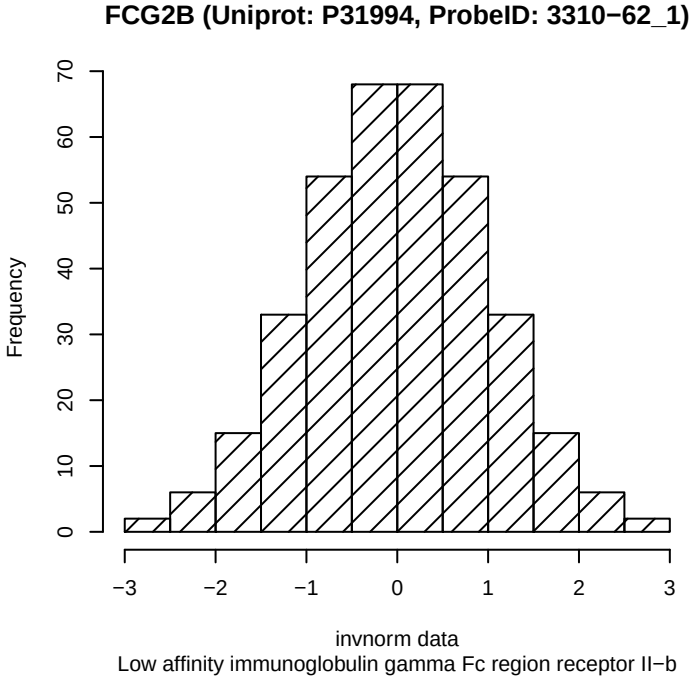

IGFBP−7 (Uniprot: Q16270, ProbeID: 3320−49_2)
invnorm data
−2
−1
0
1
2
A/A (276)
A/G (74)
G/G (3)
rs4508954 (Chr4:57951527)
Locus 239 top sentinel (tags KORA rs2412776), p=0.0079

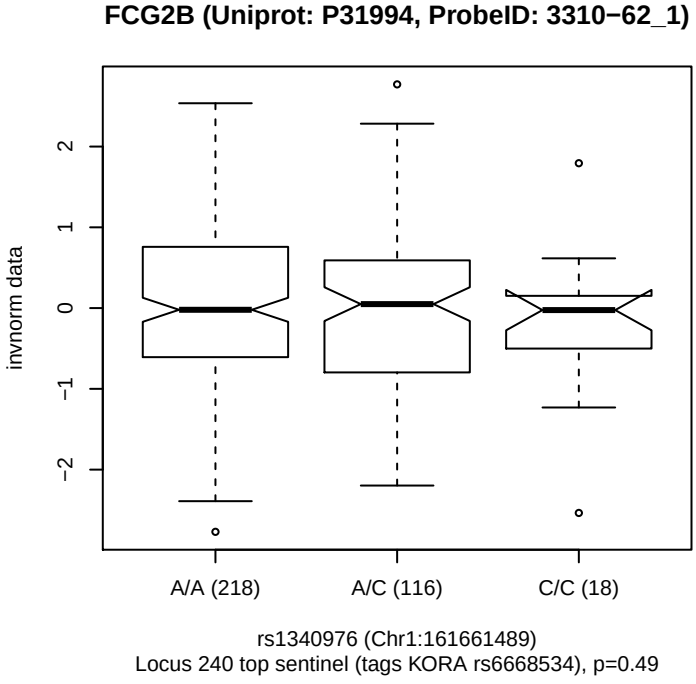

FCG2B (Uniprot: P31994, ProbeID: 3310−62_1)
Frequency
0
50
100
150
0
2000
4000
6000
8000
raw data
Low affinity immunoglobulin gamma Fc region receptor II−b

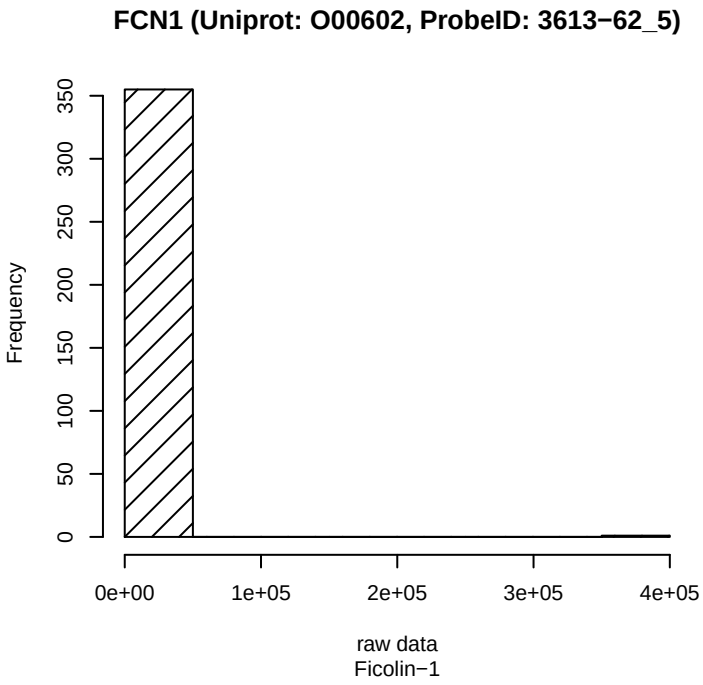

FCG2B (Uniprot: P31994, ProbeID: 3310−62_1)
raw data
2000
4000
6000
8000
A/A (218)
A/C (116)
C/C (18)
rs1340976 (Chr1:161661489)
Locus 240 top sentinel (tags KORA rs6668534), p=0.26

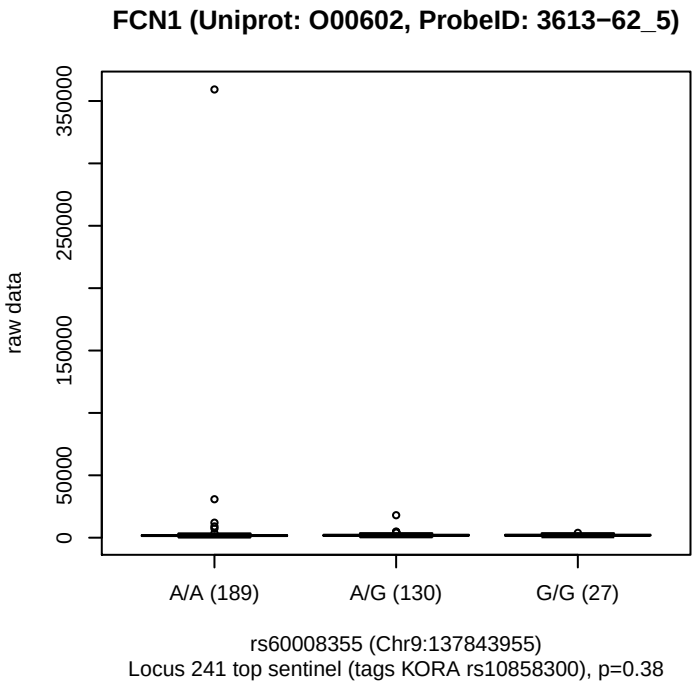

FCG2B (Uniprot: P31994, ProbeID: 3310−62_1)
Frequency
0
20
40
60
80
9
10
11
12
13
log2−scaled data
Low affinity immunoglobulin gamma Fc region receptor II−b

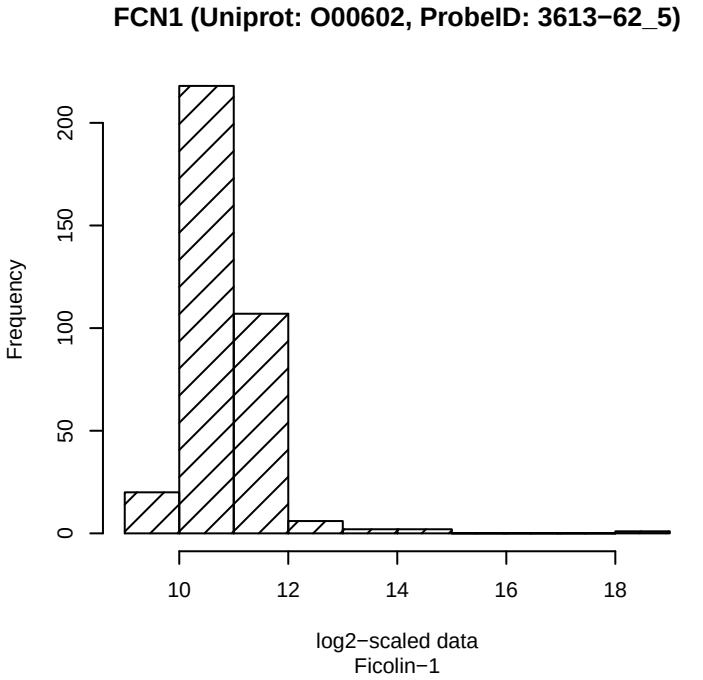

FCG2B (Uniprot: P31994, ProbeID: 3310−62_1)
log2−scaled data
9
10
11
12
13
A/A (218)
A/C (116)
C/C (18)
rs1340976 (Chr1:161661489)
Locus 240 top sentinel (tags KORA rs6668534), p=0.35, FC=−1.0529

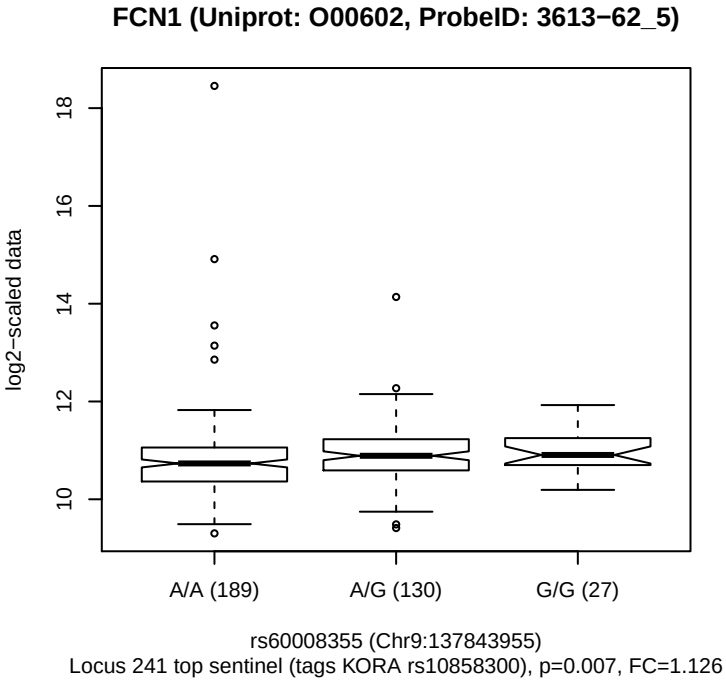

FCG2B (Uniprot: P31994, ProbeID: 3310−62_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Low affinity immunoglobulin gamma Fc region receptor II−b

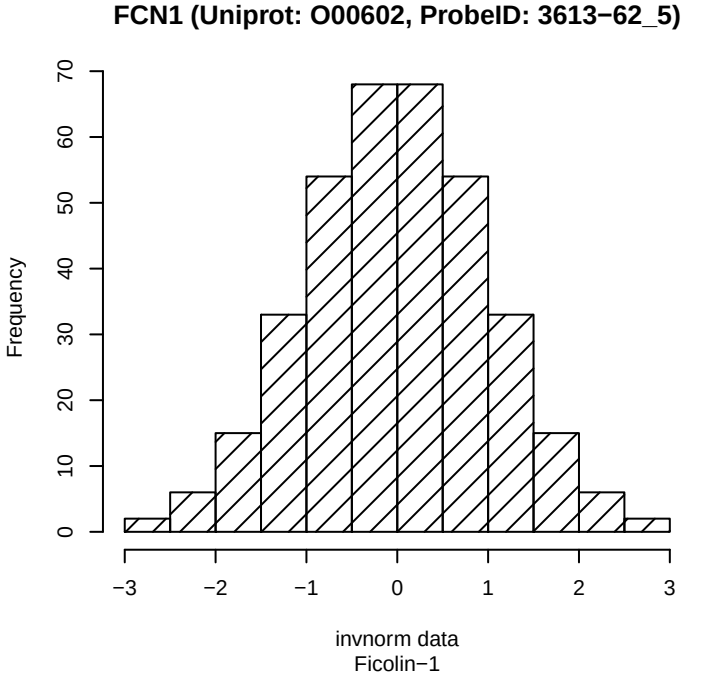

FCG2B (Uniprot: P31994, ProbeID: 3310−62_1)
invnorm data
−2
−1
0
1
2
A/A (218)
A/C (116)
C/C (18)
rs1340976 (Chr1:161661489)
Locus 240 top sentinel (tags KORA rs6668534), p=0.49

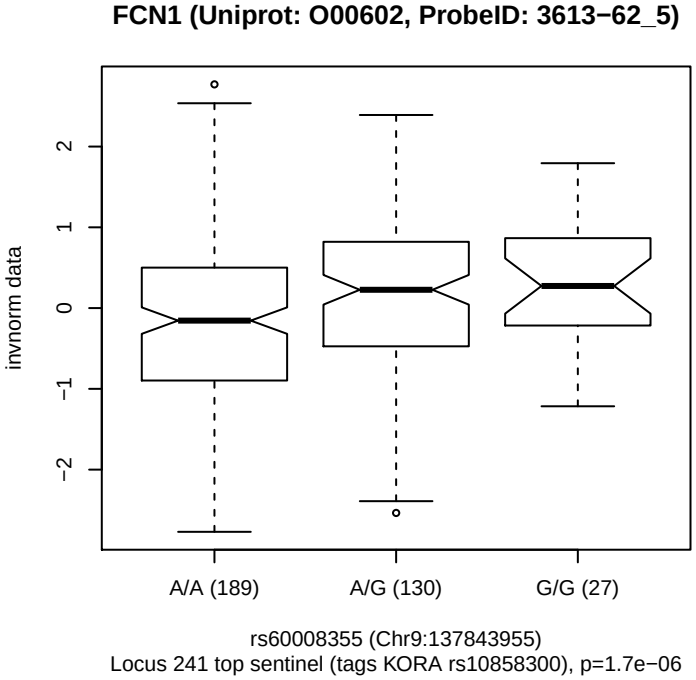

FCN1 (Uniprot: O00602, ProbeID: 3613−62_5)
Frequency
0
50
100
150
200
250
300
350
0e+00
1e+05
2e+05
3e+05
4e+05
raw data
Ficolin−1

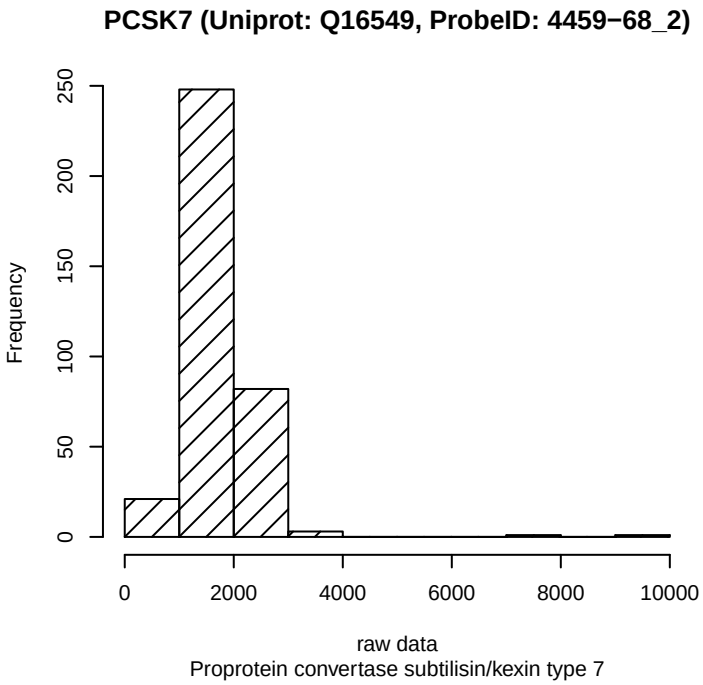

FCN1 (Uniprot: O00602, ProbeID: 3613−62_5)
raw data
0
50000
150000
250000
350000
A/A (189)
A/G (130)
G/G (27)
rs60008355 (Chr9:137843955)
Locus 241 top sentinel (tags KORA rs10858300), p=0.38

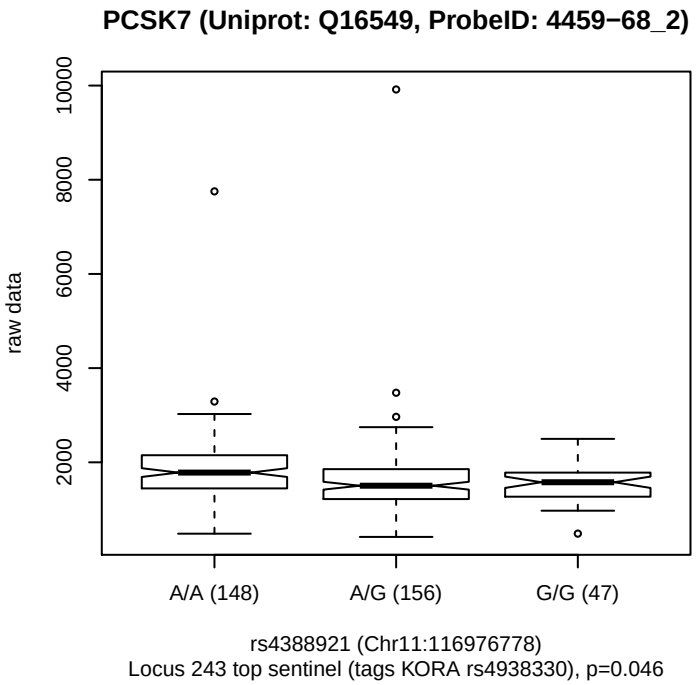

FCN1 (Uniprot: O00602, ProbeID: 3613−62_5)
Frequency
0
50
100
150
200
10
12
14
16
18
log2−scaled data
Ficolin−1

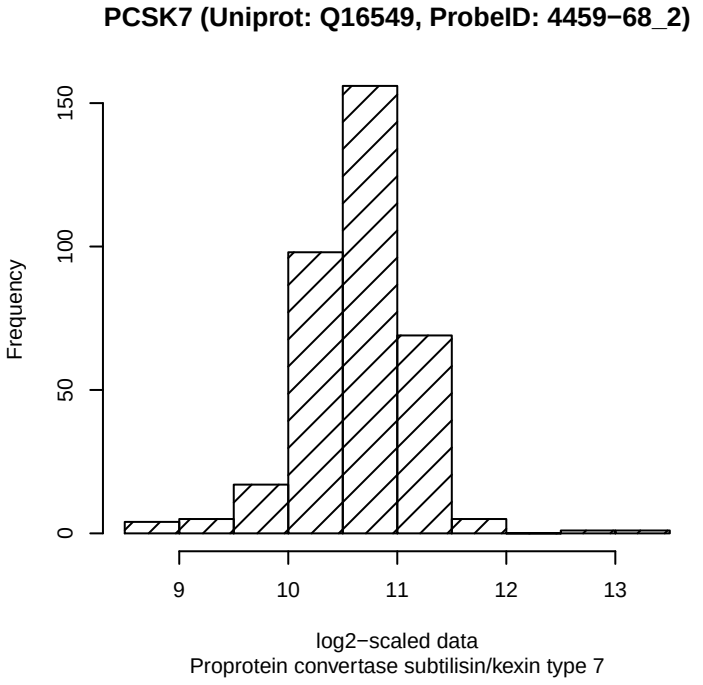

FCN1 (Uniprot: O00602, ProbeID: 3613−62_5)
log2−scaled data
10
12
14
16
18
A/A (189)
A/G (130)
G/G (27)
rs60008355 (Chr9:137843955)
Locus 241 top sentinel (tags KORA rs10858300), p=0.007, FC=1.126

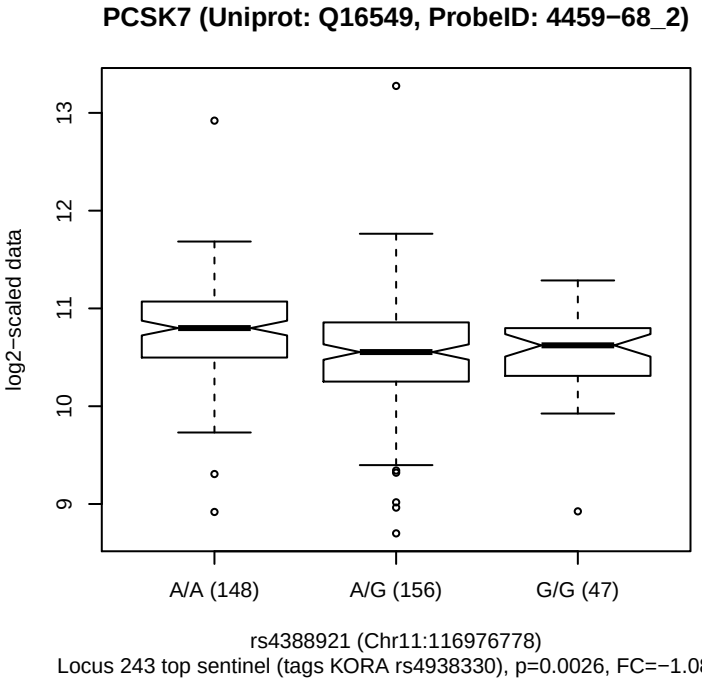

FCN1 (Uniprot: O00602, ProbeID: 3613−62_5)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Ficolin−1

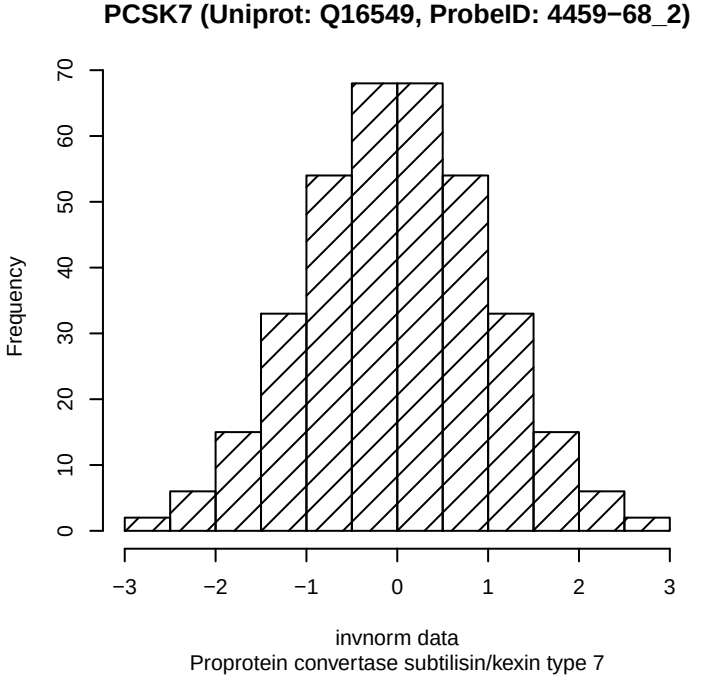

FCN1 (Uniprot: O00602, ProbeID: 3613−62_5)
invnorm data
−2
−1
0
1
2
A/A (189)
A/G (130)
G/G (27)
rs60008355 (Chr9:137843955)
Locus 241 top sentinel (tags KORA rs10858300), p=1.7e−06

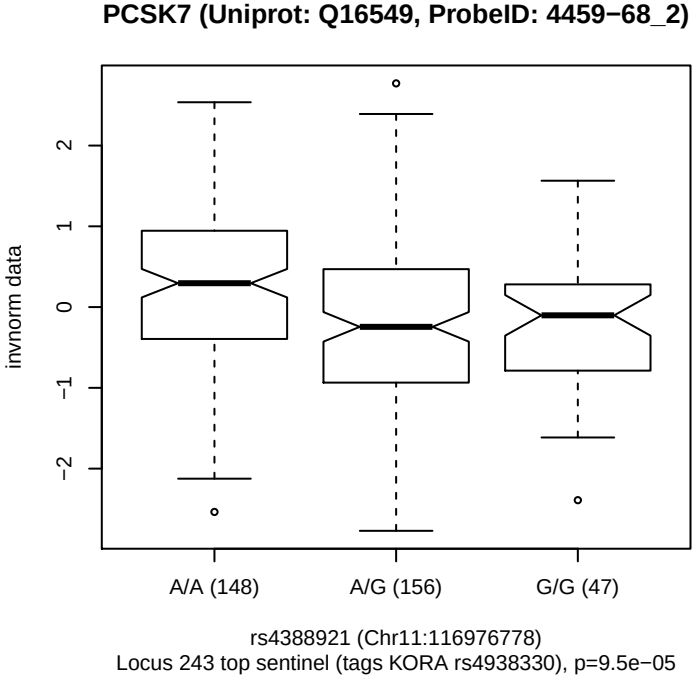

PCSK7 (Uniprot: Q16549, ProbeID: 4459−68_2)
Frequency
0
50
100
150
200
250
0
2000
4000
6000
8000
10000
raw data
Proprotein convertase subtilisin/kexin type 7

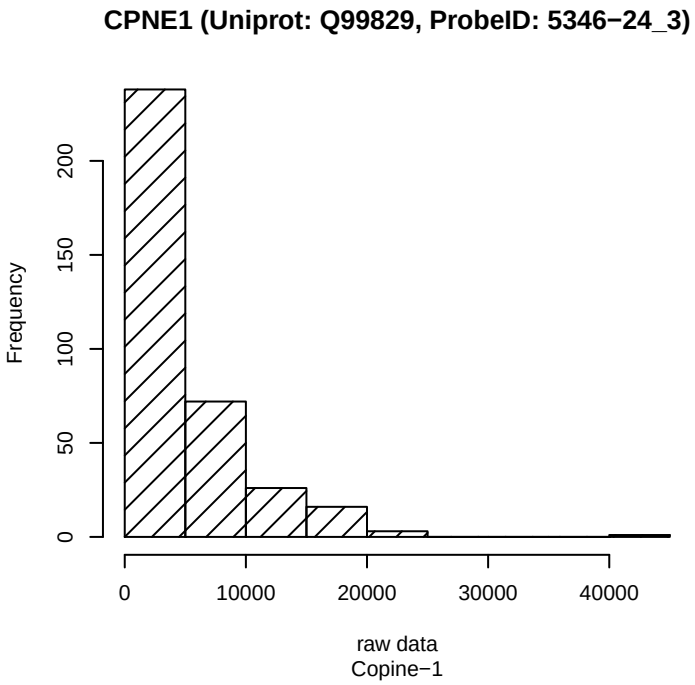

PCSK7 (Uniprot: Q16549, ProbeID: 4459−68_2)
raw data
2000
4000
6000
8000
10000
A/A (148)
A/G (156)
G/G (47)
rs4388921 (Chr11:116976778)
Locus 243 top sentinel (tags KORA rs4938330), p=0.046

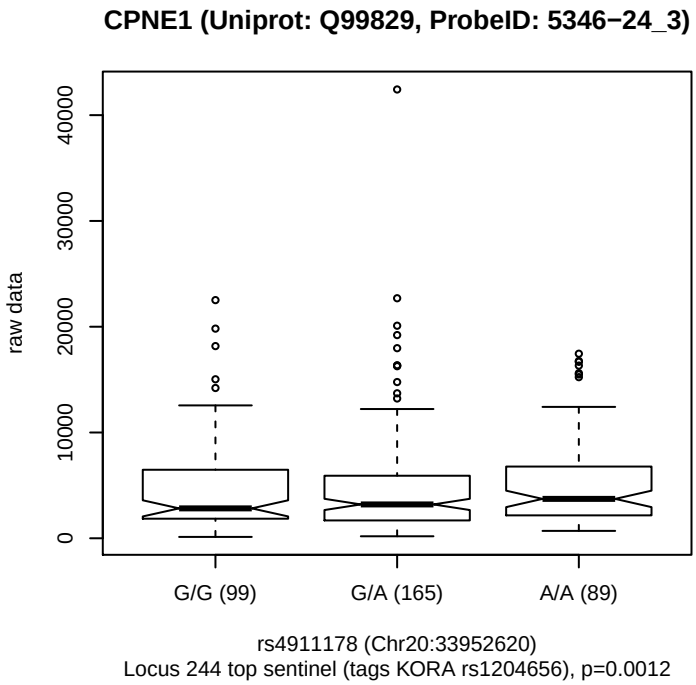

PCSK7 (Uniprot: Q16549, ProbeID: 4459−68_2)
Frequency
0
50
100
150
9
10
11
12
13
log2−scaled data
Proprotein convertase subtilisin/kexin type 7

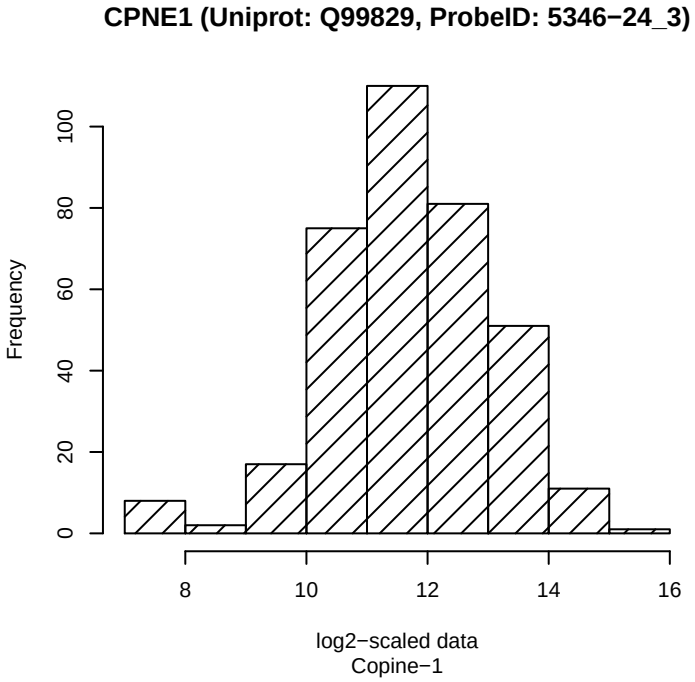

PCSK7 (Uniprot: Q16549, ProbeID: 4459−68_2)
log2−scaled data
9
10
11
12
13
A/A (148)
A/G (156)
G/G (47)
rs4388921 (Chr11:116976778)
Locus 243 top sentinel (tags KORA rs4938330), p=0.0026, FC=−1.0803

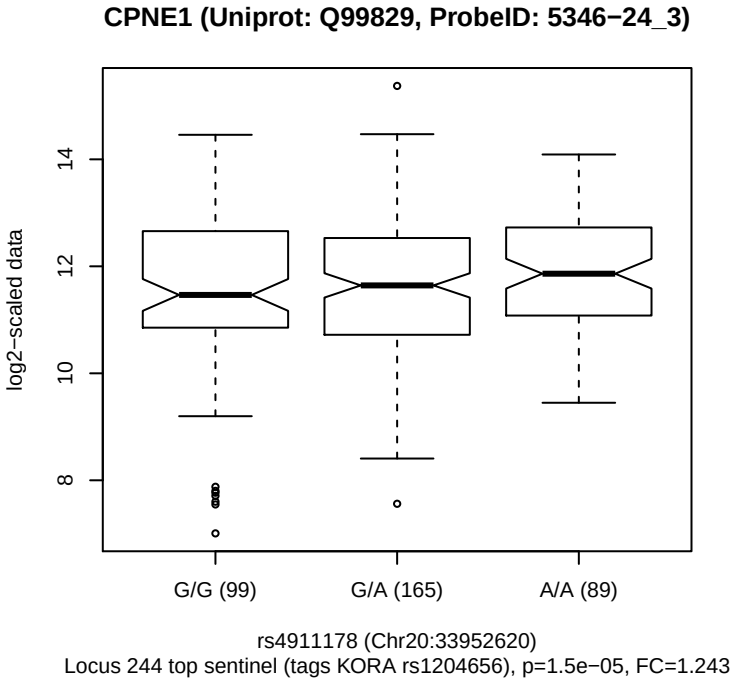

PCSK7 (Uniprot: Q16549, ProbeID: 4459−68_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Proprotein convertase subtilisin/kexin type 7

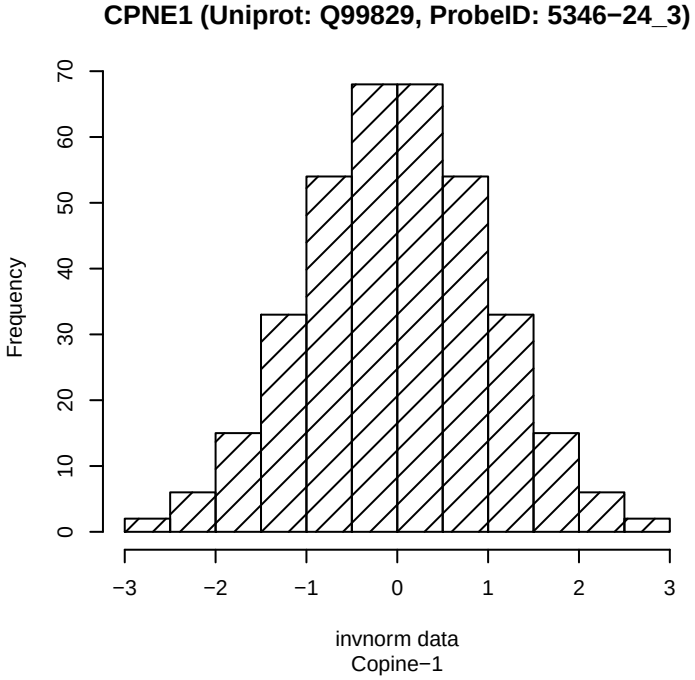

PCSK7 (Uniprot: Q16549, ProbeID: 4459−68_2)
invnorm data
−2
−1
0
1
2
A/A (148)
A/G (156)
G/G (47)
rs4388921 (Chr11:116976778)
Locus 243 top sentinel (tags KORA rs4938330), p=9.5e−05

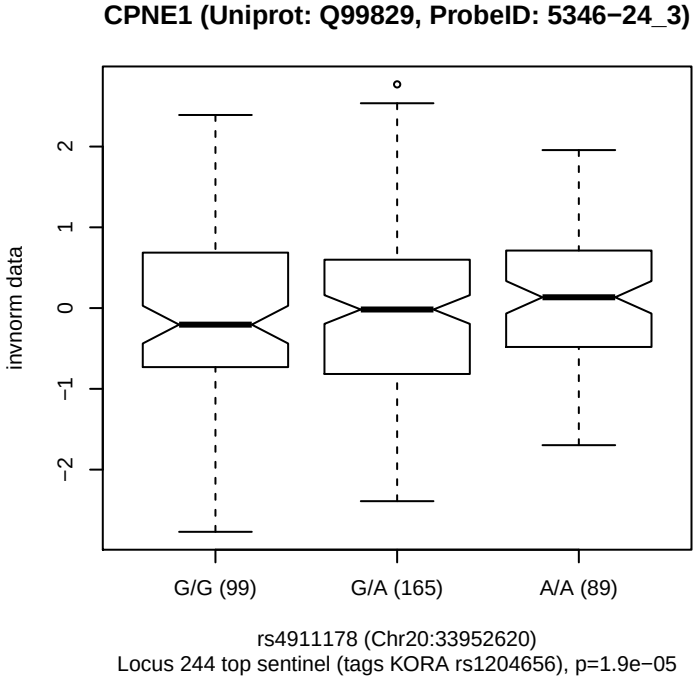

CPNE1 (Uniprot: Q99829, ProbeID: 5346−24_3)
Frequency
0
50
100
150
200
0
10000
20000
30000
40000
raw data
Copine−1

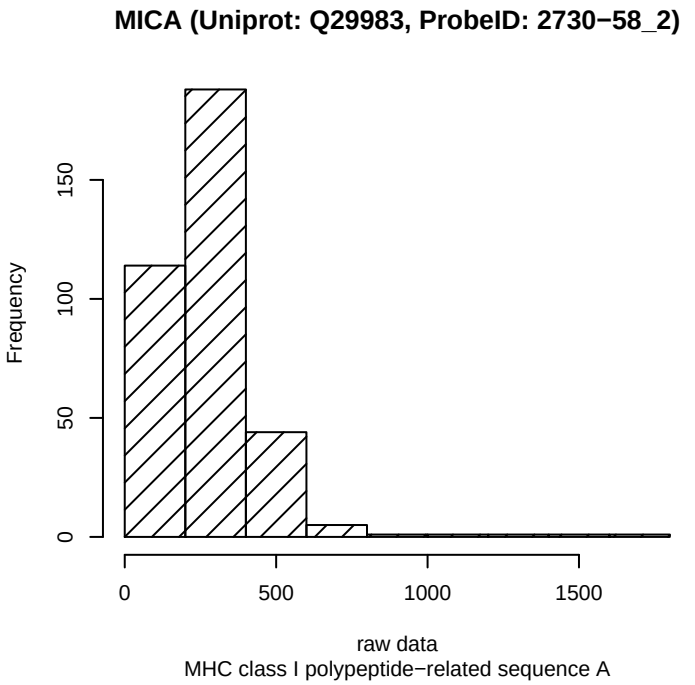

CPNE1 (Uniprot: Q99829, ProbeID: 5346−24_3)
raw data
0
10000
20000
30000
40000
G/G (99)
G/A (165)
A/A (89)
rs4911178 (Chr20:33952620)
Locus 244 top sentinel (tags KORA rs1204656), p=0.0012

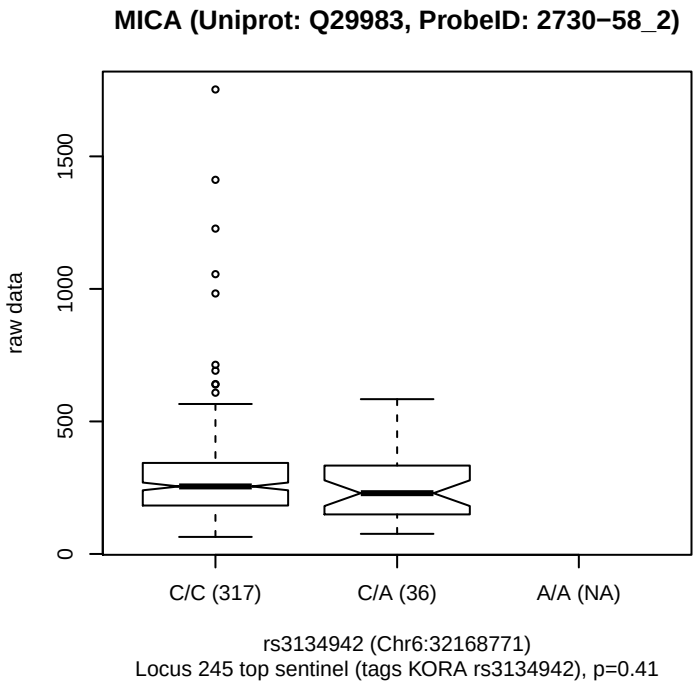

CPNE1 (Uniprot: Q99829, ProbeID: 5346−24_3)
Frequency
0
20
40
60
80
100
8
10
12
14
16
log2−scaled data
Copine−1

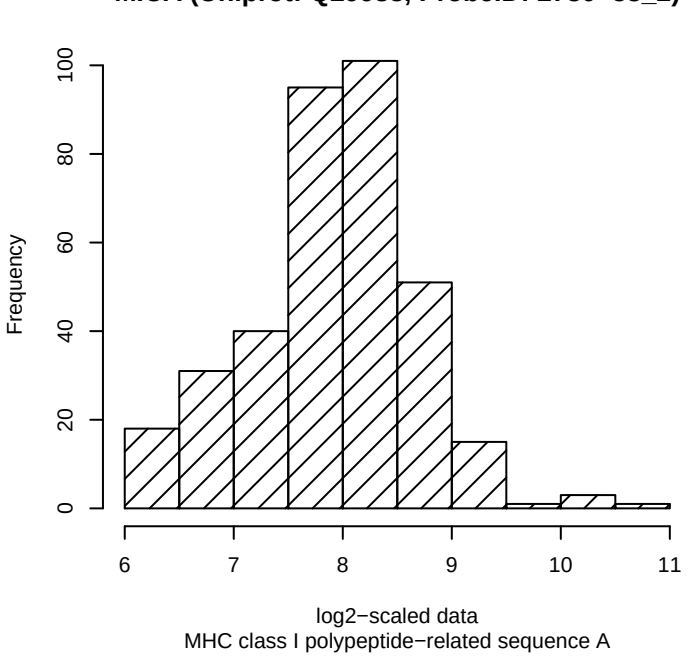

CPNE1 (Uniprot: Q99829, ProbeID: 5346−24_3)
log2−scaled data
8
10
12
14
G/G (99)
G/A (165)
A/A (89)
rs4911178 (Chr20:33952620)
Locus 244 top sentinel (tags KORA rs1204656), p=1.5e−05, FC=1.243

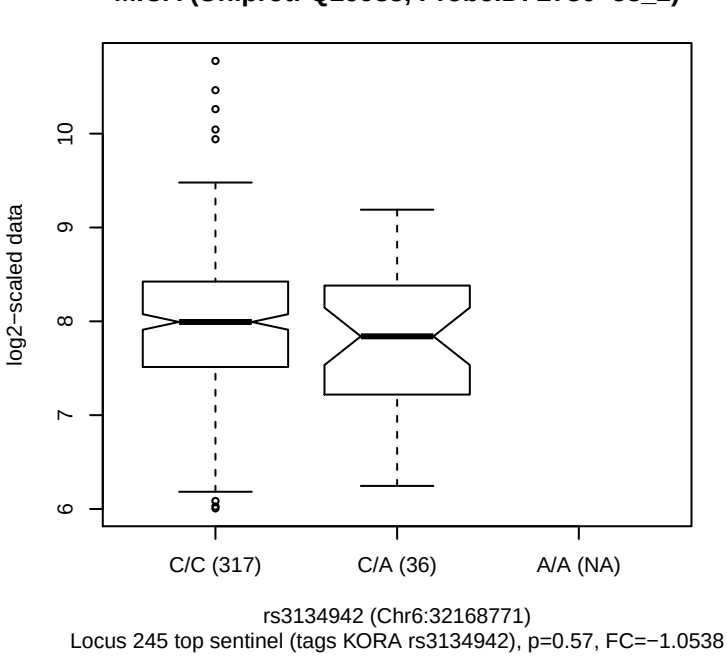

CPNE1 (Uniprot: Q99829, ProbeID: 5346−24_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Copine−1

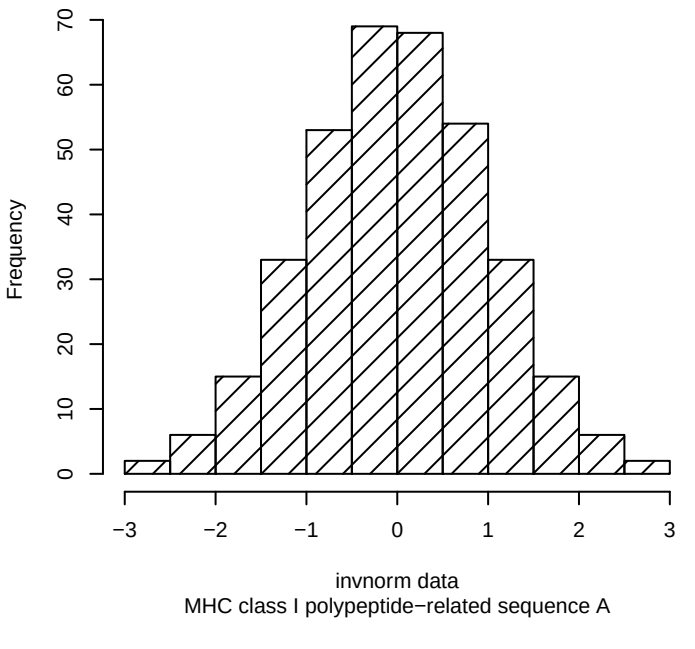

CPNE1 (Uniprot: Q99829, ProbeID: 5346−24_3)
invnorm data
−2
−1
0
1
2
G/G (99)
G/A (165)
A/A (89)
rs4911178 (Chr20:33952620)
Locus 244 top sentinel (tags KORA rs1204656), p=1.9e−05

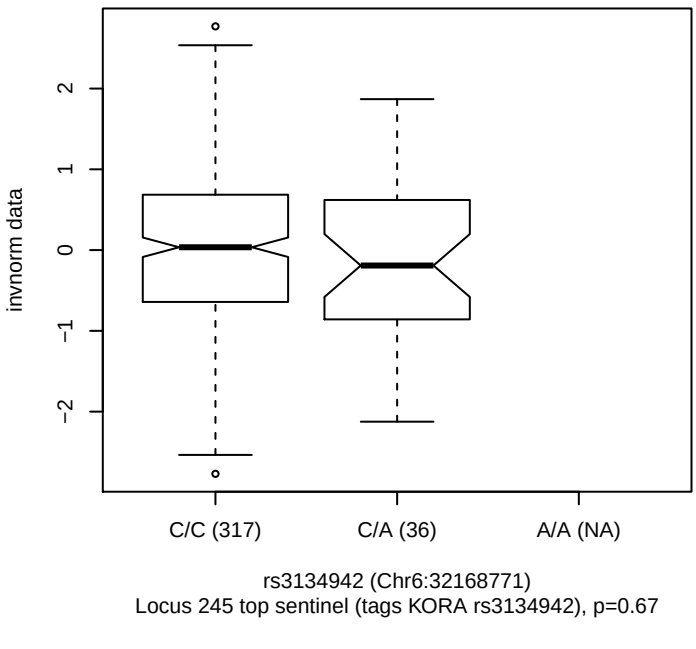

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
0
500
1000
1500
raw data
MHC class I polypeptide−related sequence A

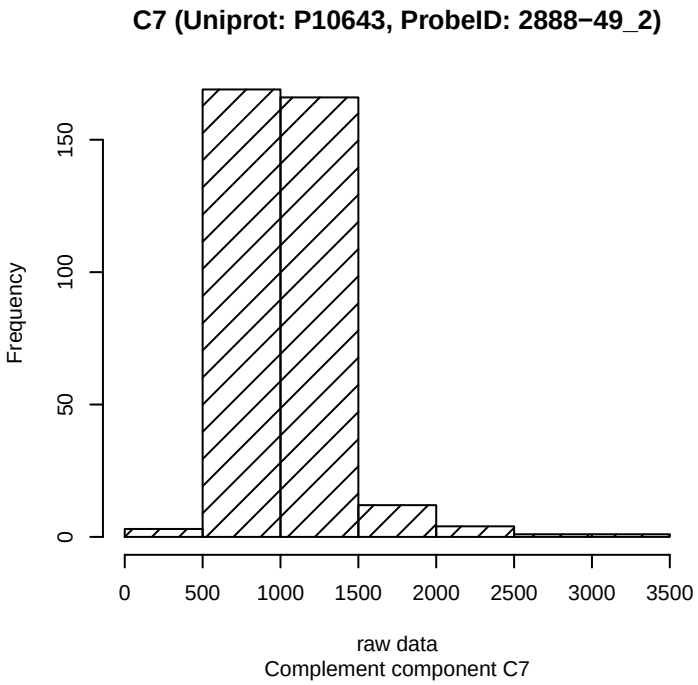

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
raw data
0
500
1000
1500
C/C (317)
C/A (36)
A/A (NA)
rs3134942 (Chr6:32168771)
Locus 245 top sentinel (tags KORA rs3134942), p=0.41

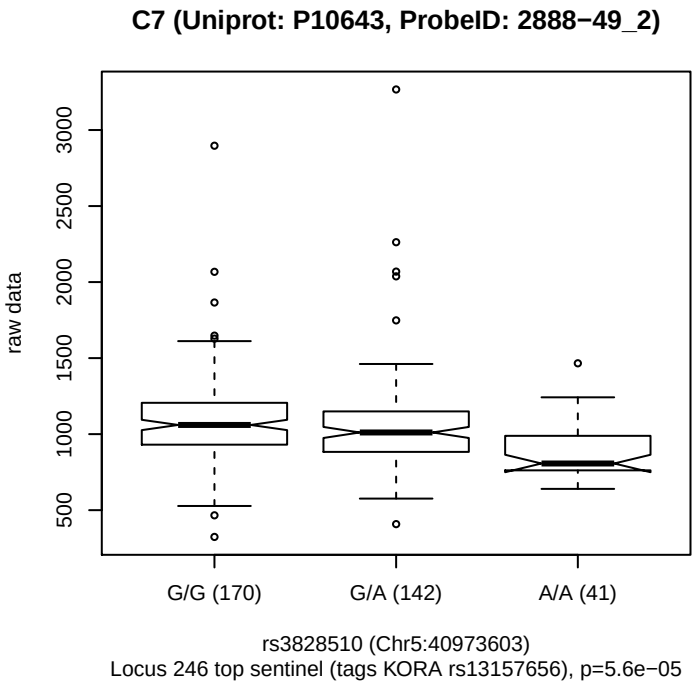

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
20
40
60
80
100
6
7
8
9
10
11
log2−scaled data
MHC class I polypeptide−related sequence A

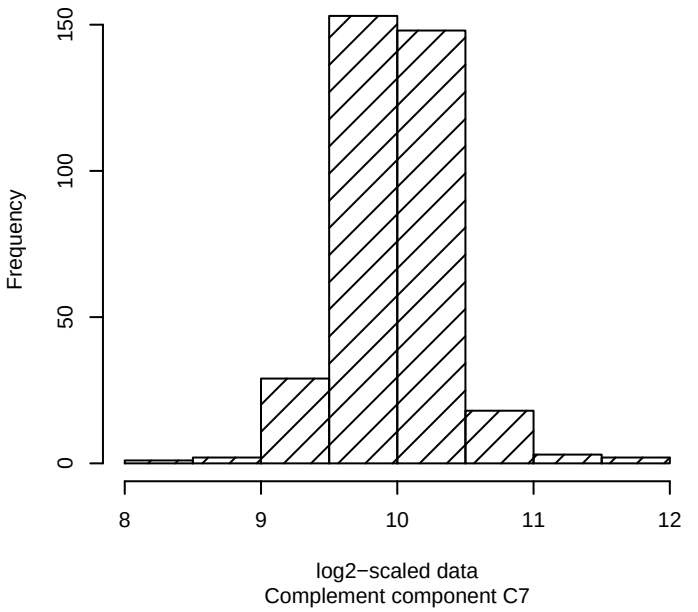

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
log2−scaled data
6
7
8
9
10
C/C (317)
C/A (36)
A/A (NA)
rs3134942 (Chr6:32168771)
Locus 245 top sentinel (tags KORA rs3134942), p=0.57, FC=−1.0538

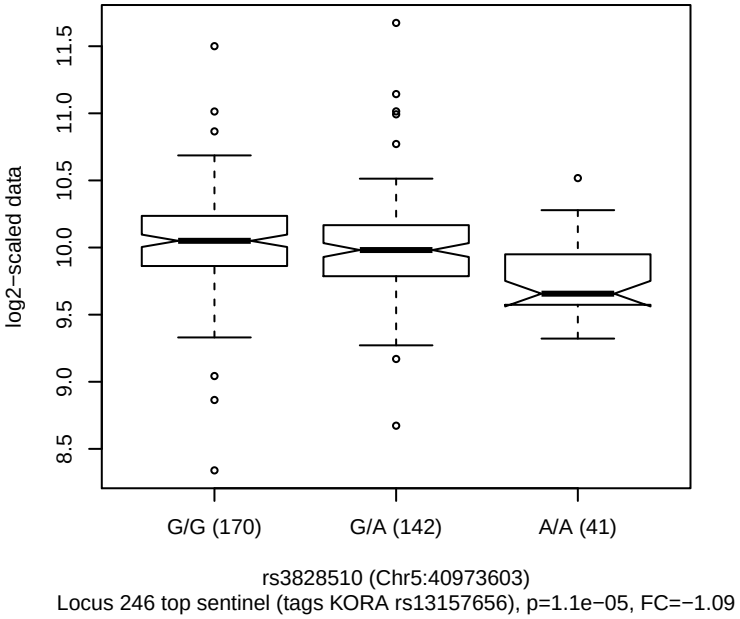

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence A

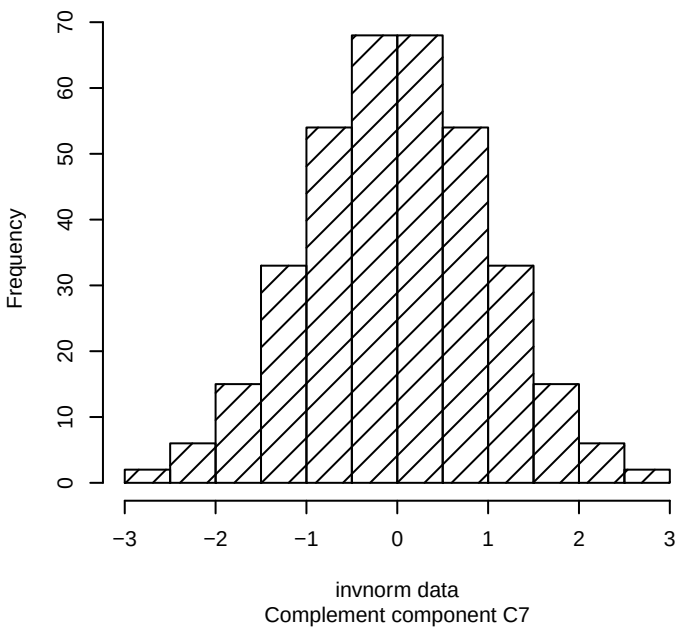

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
invnorm data
−2
−1
0
1
2
C/C (317)
C/A (36)
A/A (NA)
rs3134942 (Chr6:32168771)
Locus 245 top sentinel (tags KORA rs3134942), p=0.67

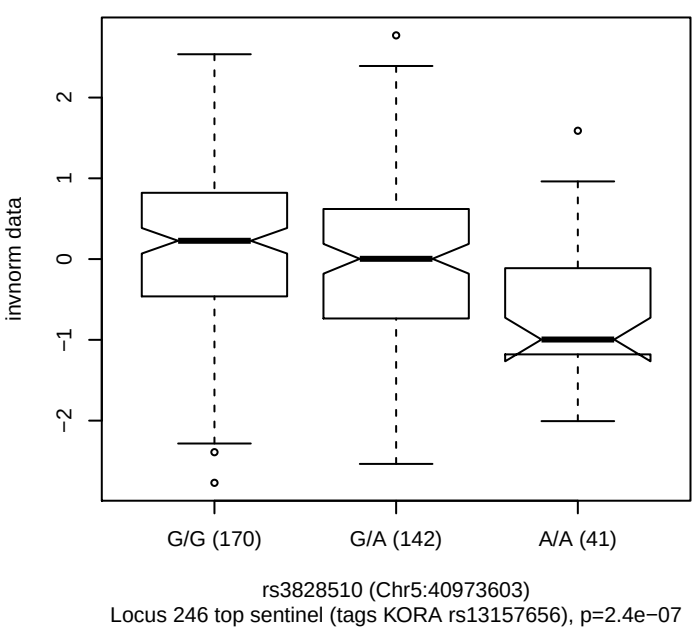

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
Frequency
0
50
100
150
0
500
1000
1500
2000
2500
3000
3500
raw data
Complement component C7

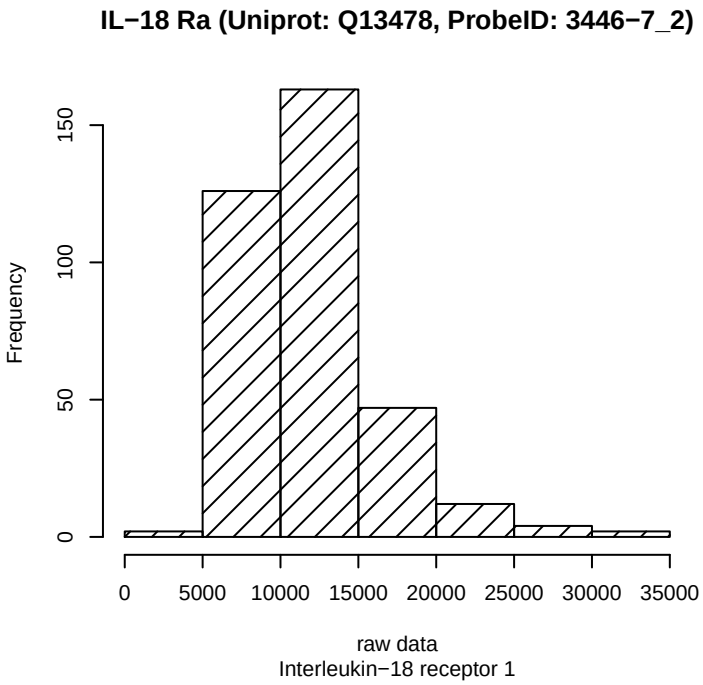

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
raw data
500
1000
1500
2000
2500
3000
G/G (170)
G/A (142)
A/A (41)
rs3828510 (Chr5:40973603)
Locus 246 top sentinel (tags KORA rs13157656), p=5.6e−05

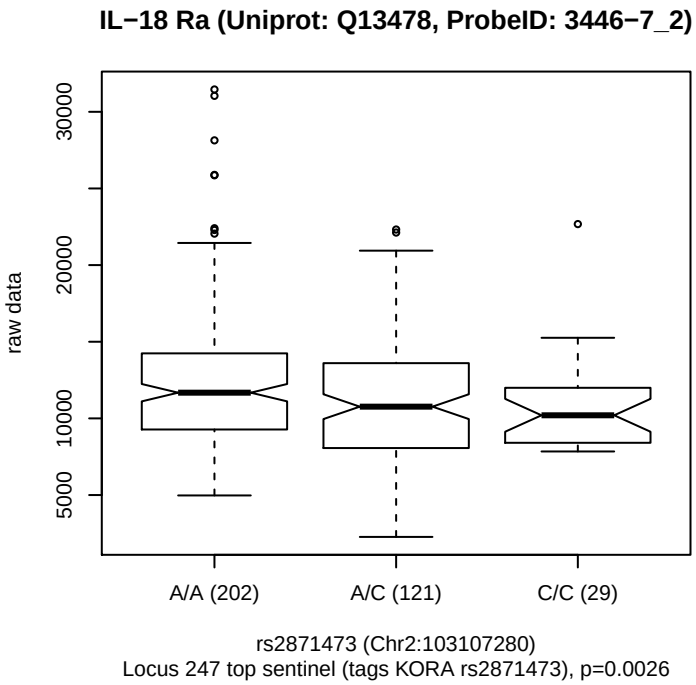

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
Frequency
0
50
100
150
8
9
10
11
12
log2−scaled data
Complement component C7

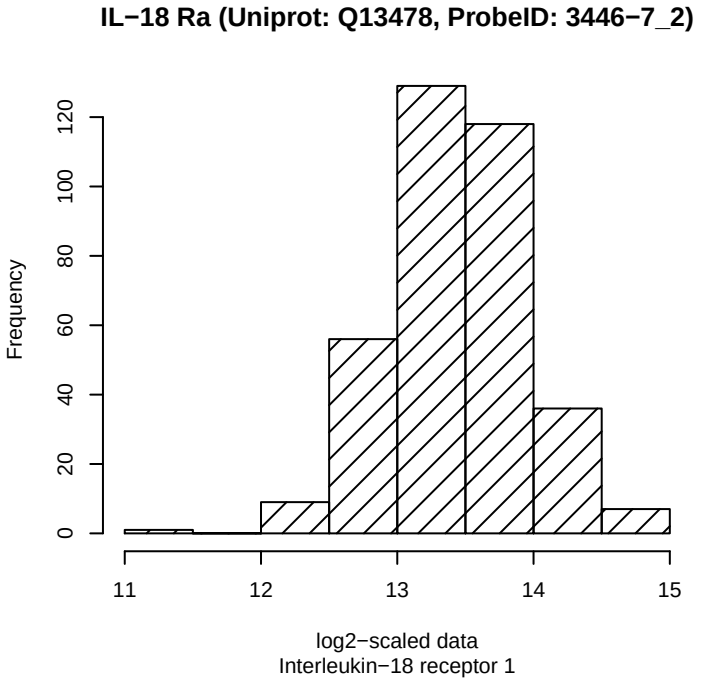

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
log2−scaled data
8.5
9.0
9.5
10.0
10.5
11.0
11.5
G/G (170)
G/A (142)
A/A (41)
rs3828510 (Chr5:40973603)
Locus 246 top sentinel (tags KORA rs13157656), p=1.1e−05, FC=−1.09

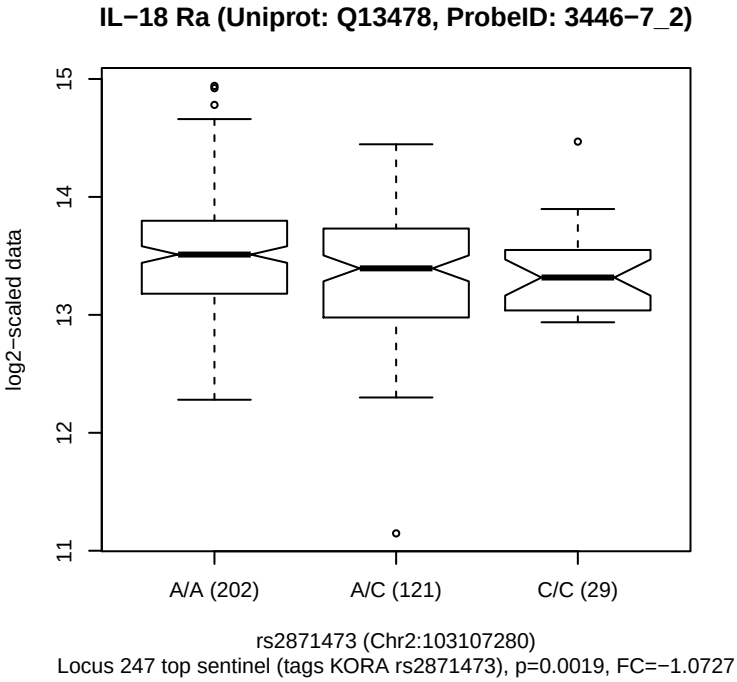

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Complement component C7

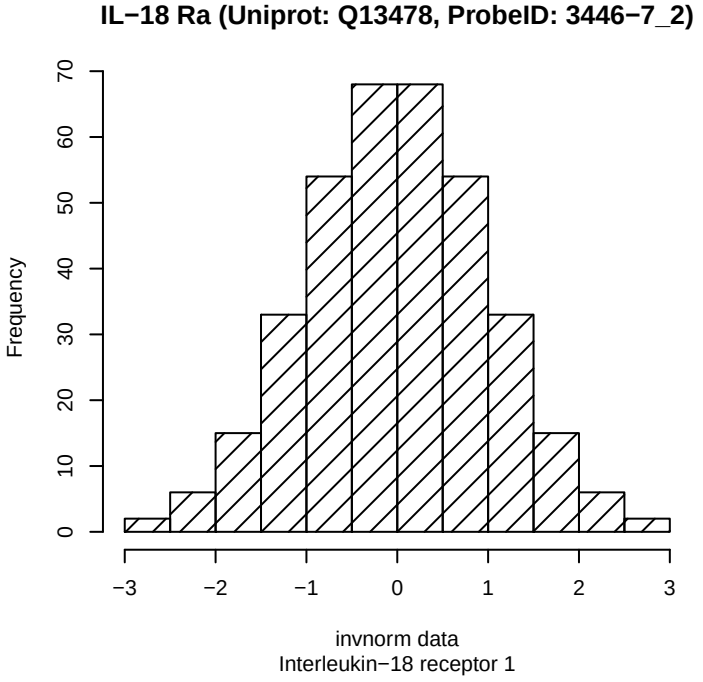

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
invnorm data
−2
−1
0
1
2
G/G (170)
G/A (142)
A/A (41)
rs3828510 (Chr5:40973603)
Locus 246 top sentinel (tags KORA rs13157656), p=2.4e−07

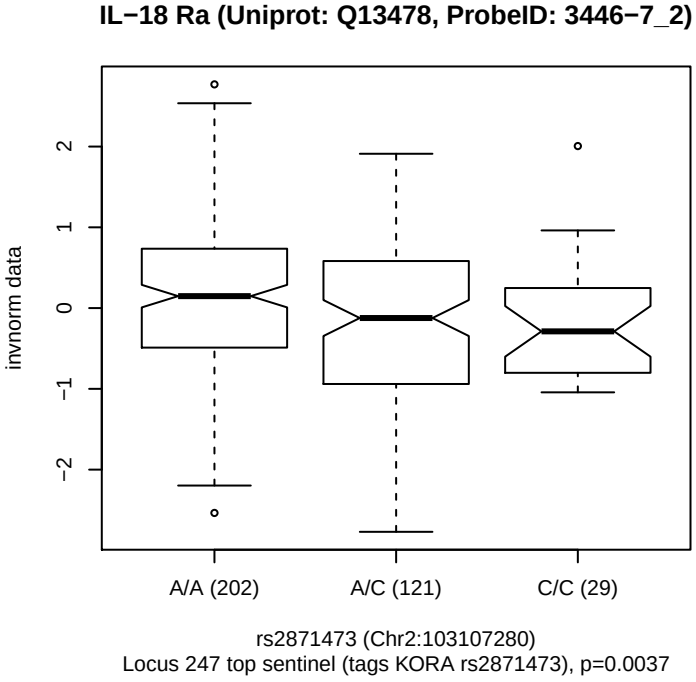

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
Frequency
0
50
100
150
0
5000
10000
15000
20000
25000
30000
35000
raw data
Interleukin−18 receptor 1

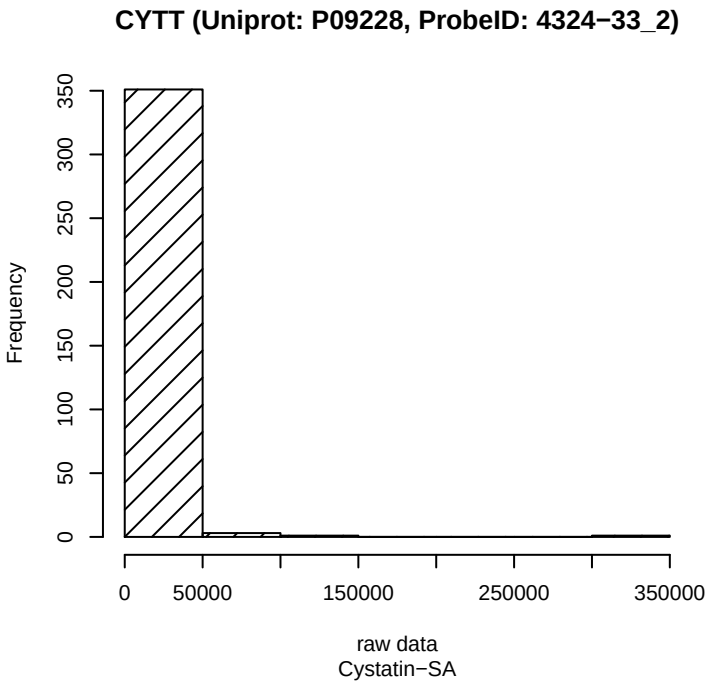

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
raw data
5000
10000
20000
30000
A/A (202)
A/C (121)
C/C (29)
rs2871473 (Chr2:103107280)
Locus 247 top sentinel (tags KORA rs2871473), p=0.0026

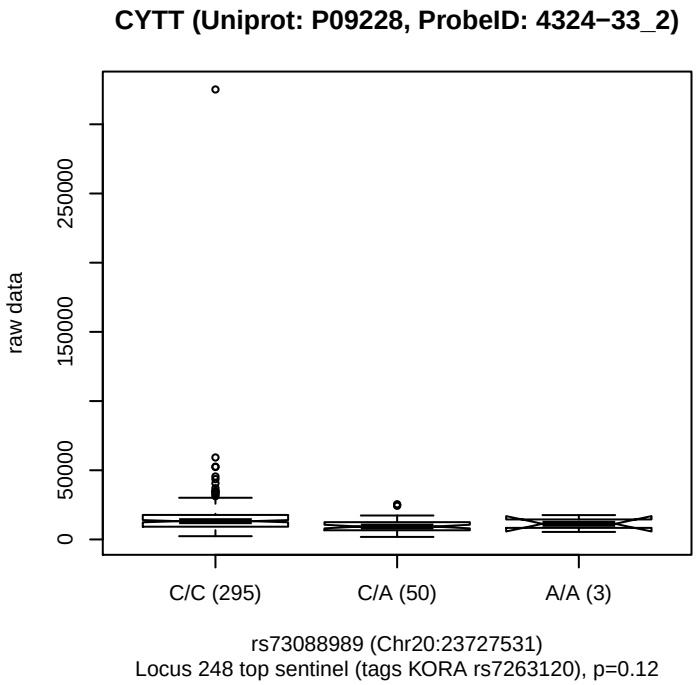

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
Frequency
0
20
40
60
80
100
120
11
12
13
14
15
log2−scaled data
Interleukin−18 receptor 1

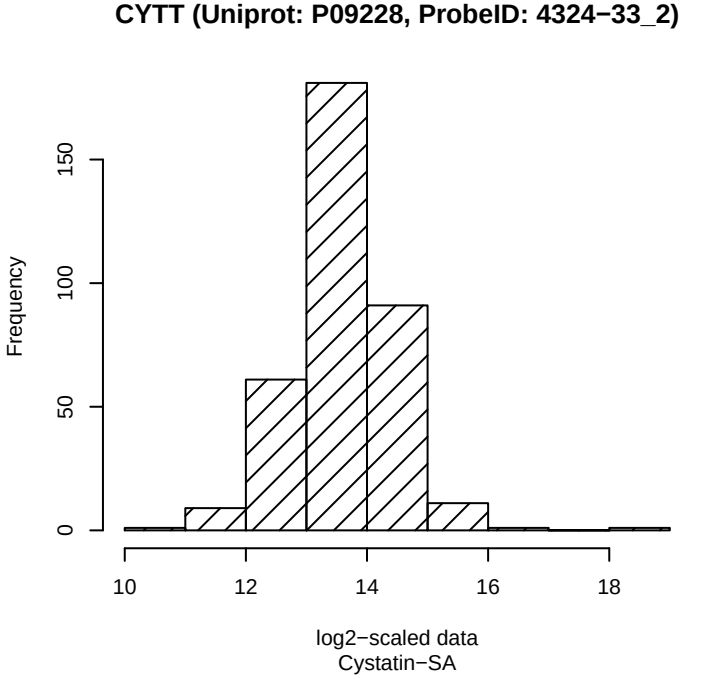

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
log2−scaled data
11
12
13
14
15
A/A (202)
A/C (121)
C/C (29)
rs2871473 (Chr2:103107280)
Locus 247 top sentinel (tags KORA rs2871473), p=0.0019, FC=−1.0727

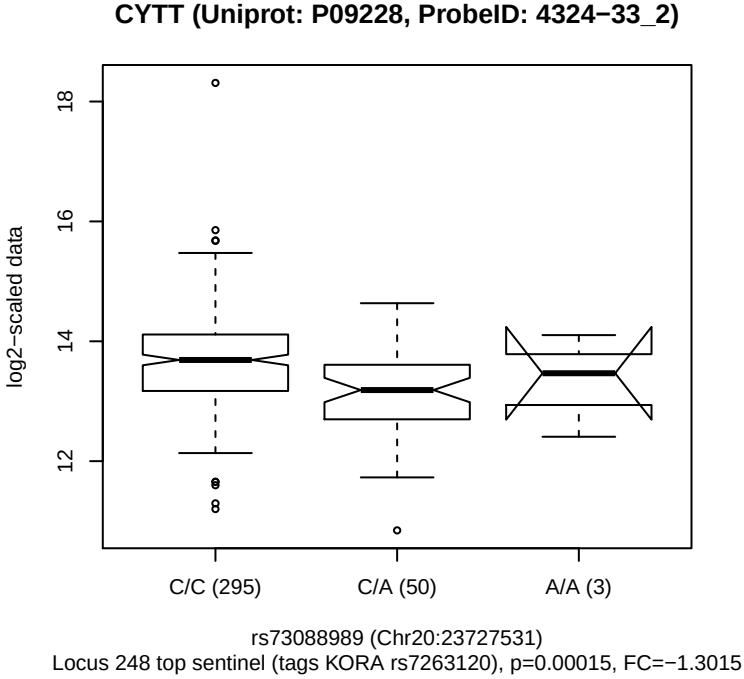

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−18 receptor 1

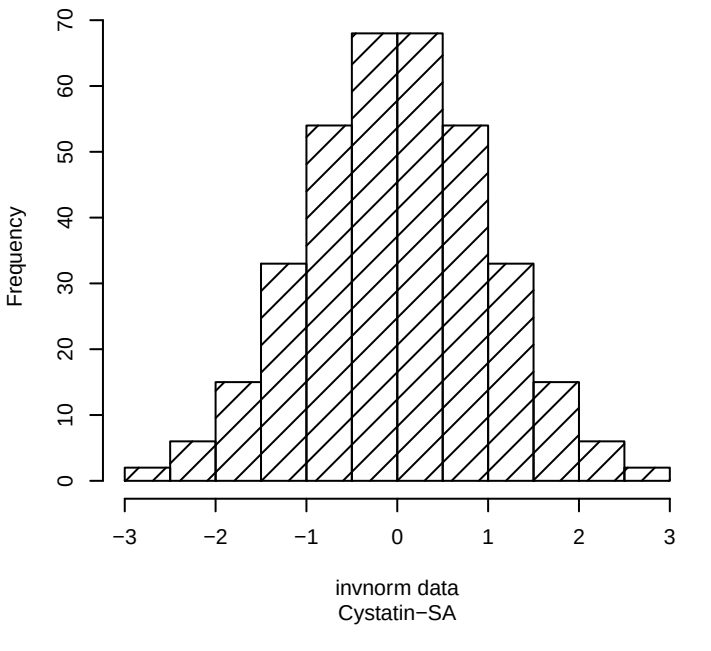

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
invnorm data
−2
−1
0
1
2
A/A (202)
A/C (121)
C/C (29)
rs2871473 (Chr2:103107280)
Locus 247 top sentinel (tags KORA rs2871473), p=0.0037

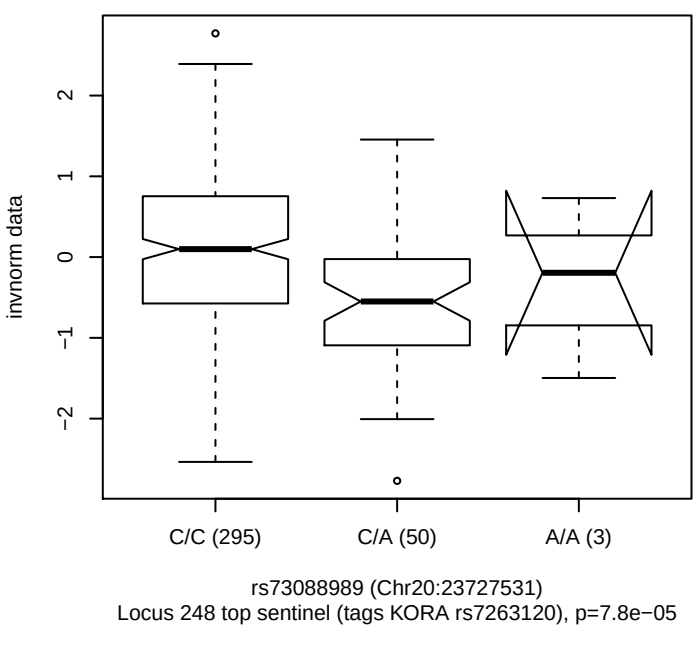

CYTT (Uniprot: P09228, ProbeID: 4324−33_2)
Frequency
0
50
100
150
200
250
300
350
0
50000
150000
250000
350000
raw data
Cystatin−SA

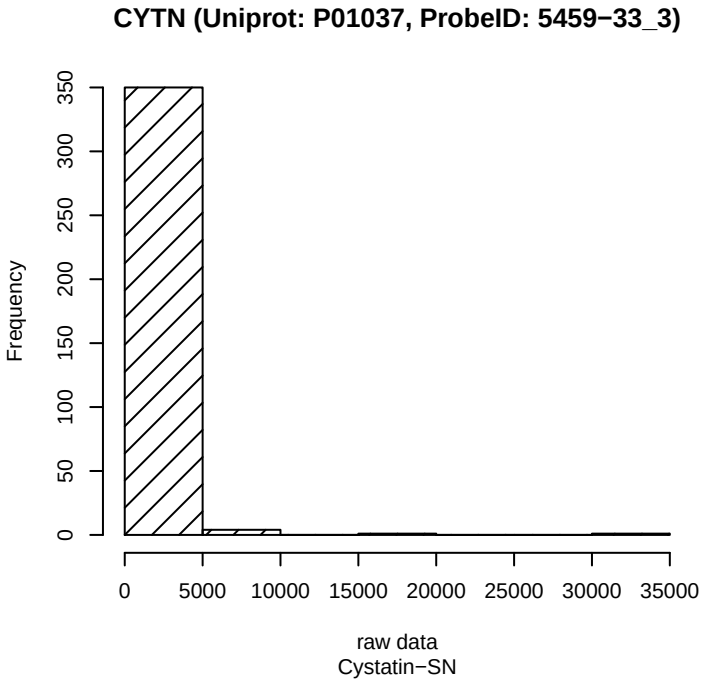

CYTT (Uniprot: P09228, ProbeID: 4324−33_2)
raw data
0
50000
150000
250000
C/C (295)
C/A (50)
A/A (3)
rs73088989 (Chr20:23727531)
Locus 248 top sentinel (tags KORA rs7263120), p=0.12

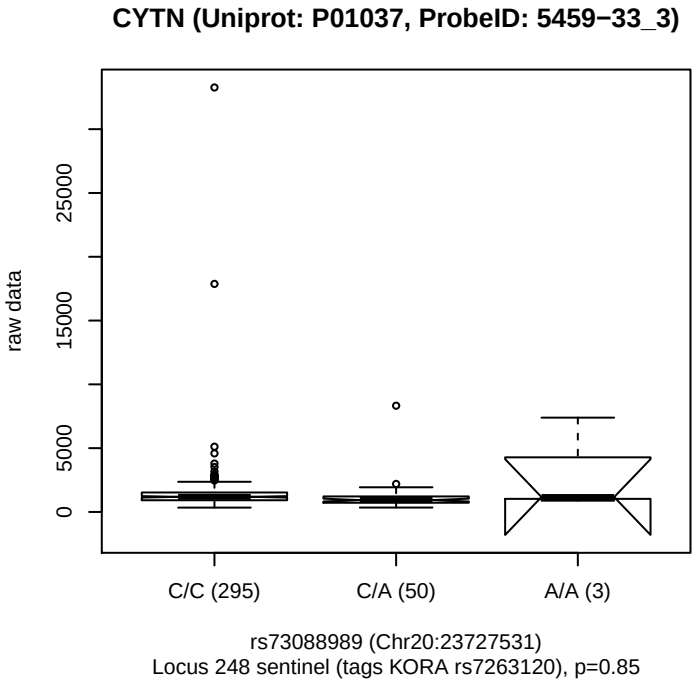

CYTT (Uniprot: P09228, ProbeID: 4324−33_2)
Frequency
0
50
100
150
10
12
14
16
18
log2−scaled data
Cystatin−SA

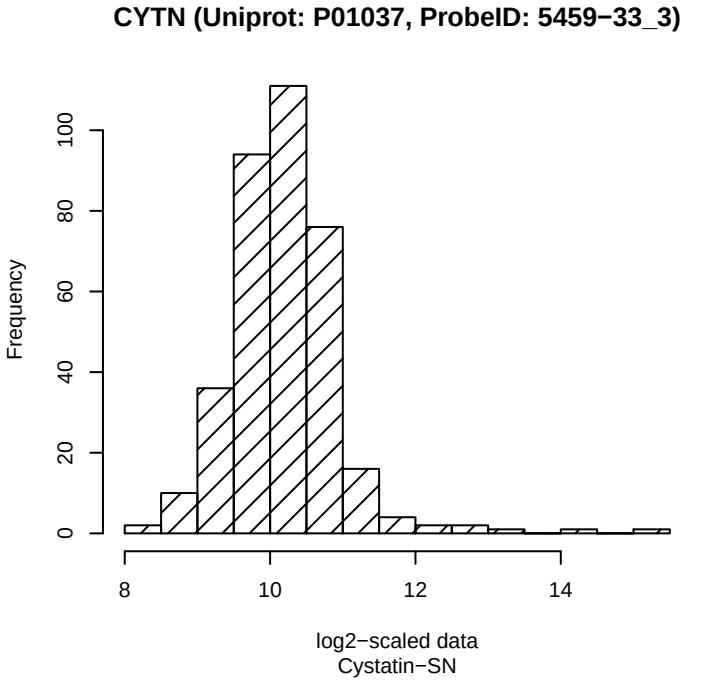

CYTT (Uniprot: P09228, ProbeID: 4324−33_2)
log2−scaled data
12
14
16
18
C/C (295)
C/A (50)
A/A (3)
rs73088989 (Chr20:23727531)
Locus 248 top sentinel (tags KORA rs7263120), p=0.00015, FC=−1.3015

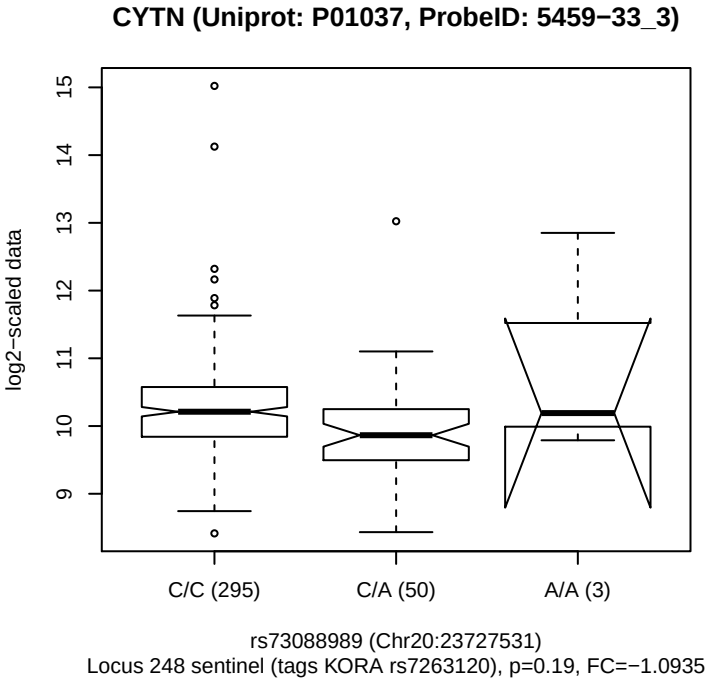

CYTT (Uniprot: P09228, ProbeID: 4324−33_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Cystatin−SA

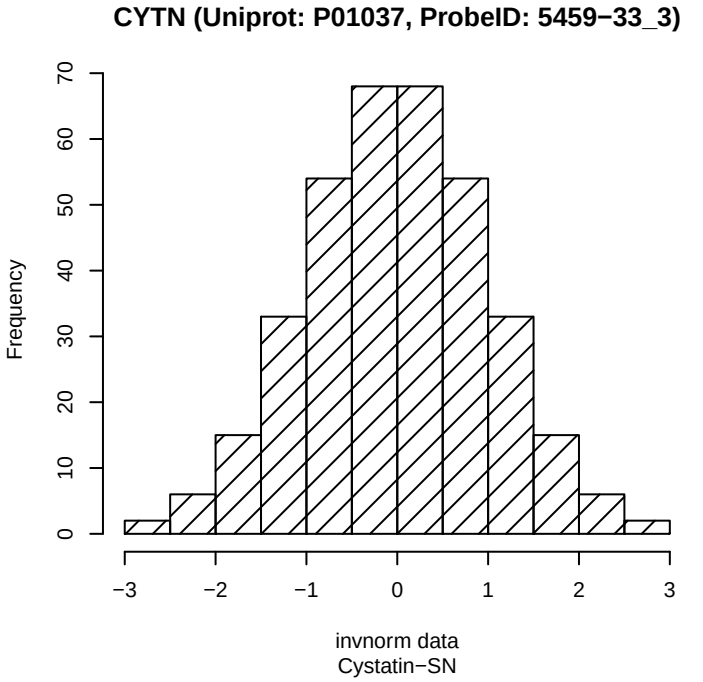

CYTT (Uniprot: P09228, ProbeID: 4324−33_2)
invnorm data
−2
−1
0
1
2
C/C (295)
C/A (50)
A/A (3)
rs73088989 (Chr20:23727531)
Locus 248 top sentinel (tags KORA rs7263120), p=7.8e−05

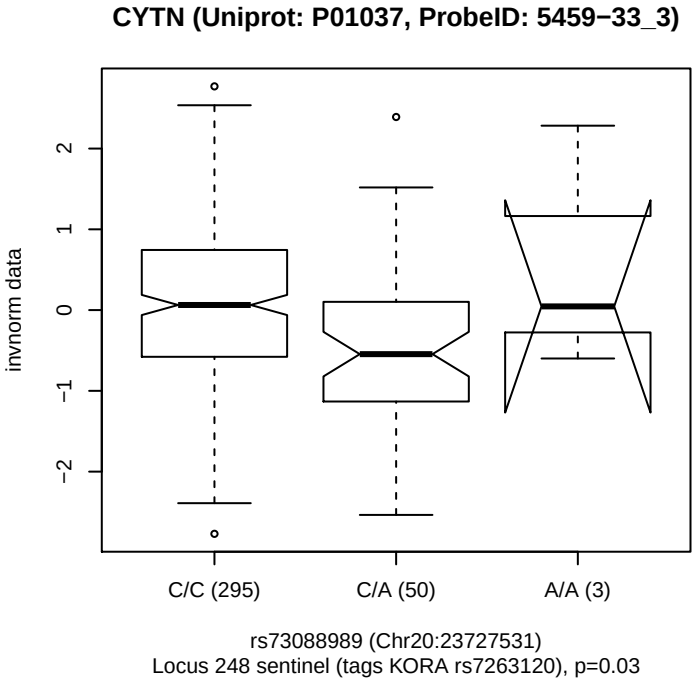

CYTN (Uniprot: P01037, ProbeID: 5459−33_3)
Frequency
0
50
100
150
200
250
300
350
0
5000
10000
15000
20000
25000
30000
35000
raw data
Cystatin−SN

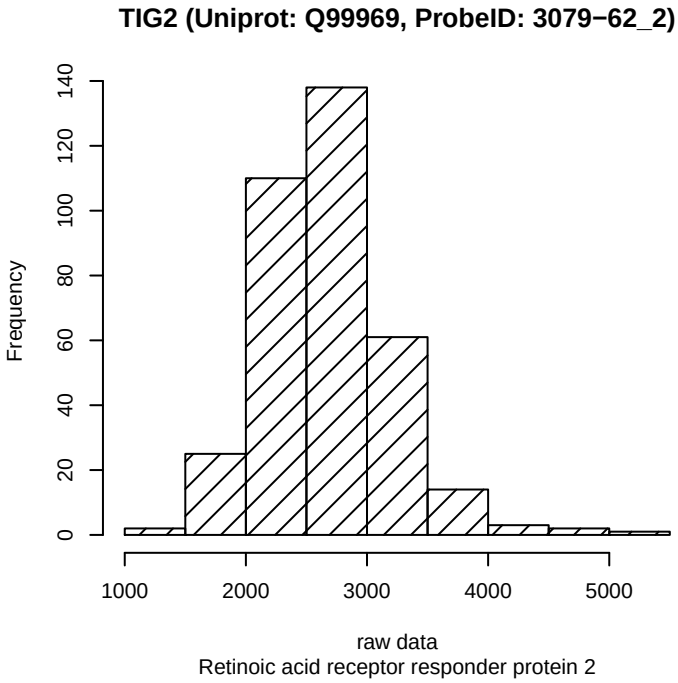

CYTN (Uniprot: P01037, ProbeID: 5459−33_3)
raw data
0
5000
15000
25000
C/C (295)
C/A (50)
A/A (3)
rs73088989 (Chr20:23727531)
Locus 248 sentinel (tags KORA rs7263120), p=0.85

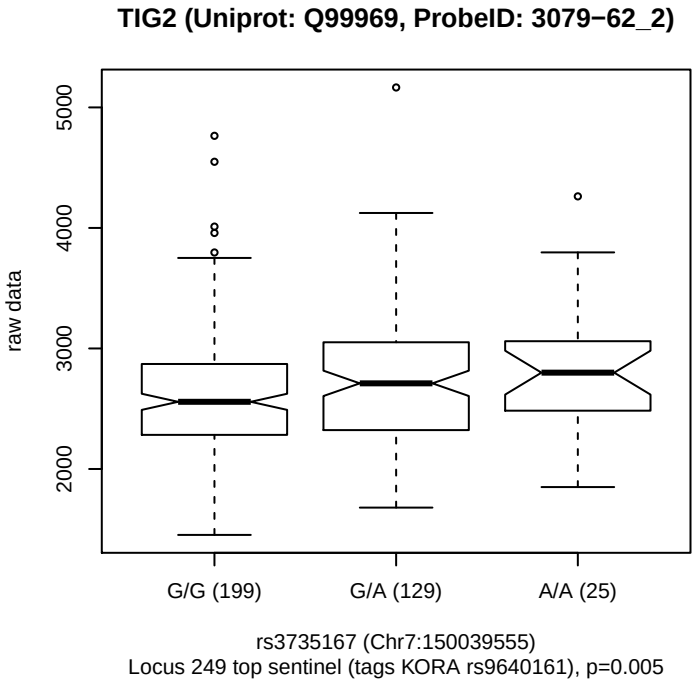

CYTN (Uniprot: P01037, ProbeID: 5459−33_3)
Frequency
0
20
40
60
80
100
8
10
12
14
log2−scaled data
Cystatin−SN

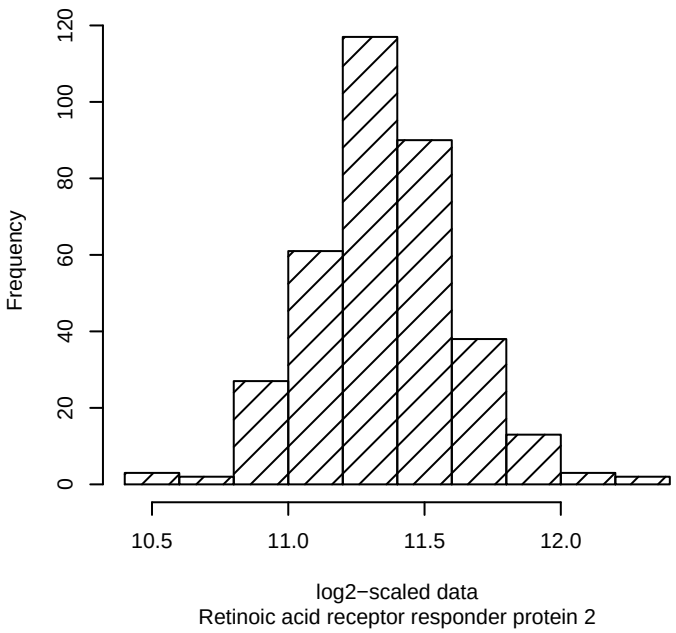

CYTN (Uniprot: P01037, ProbeID: 5459−33_3)
log2−scaled data
9
10
11
12
13
14
15
C/C (295)
C/A (50)
A/A (3)
rs73088989 (Chr20:23727531)
Locus 248 sentinel (tags KORA rs7263120), p=0.19, FC=−1.0935

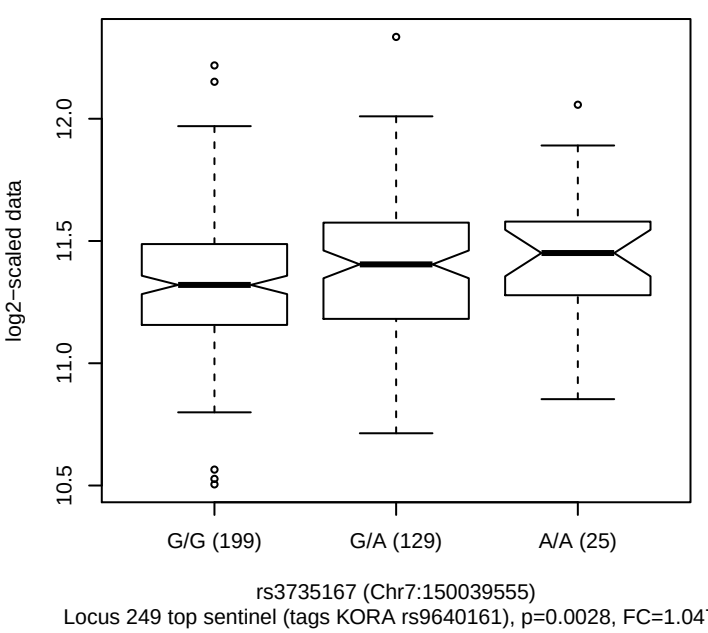

CYTN (Uniprot: P01037, ProbeID: 5459−33_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Cystatin−SN

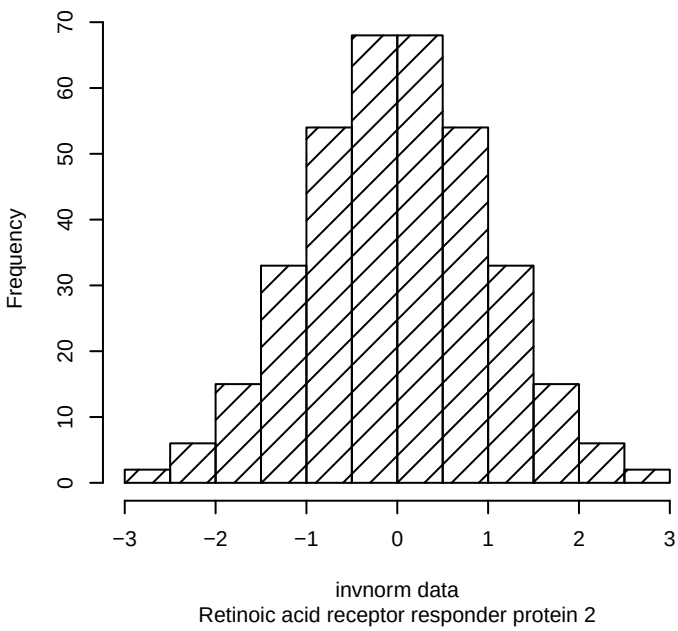

CYTN (Uniprot: P01037, ProbeID: 5459−33_3)
invnorm data
−2
−1
0
1
2
C/C (295)
C/A (50)
A/A (3)
rs73088989 (Chr20:23727531)
Locus 248 sentinel (tags KORA rs7263120), p=0.03

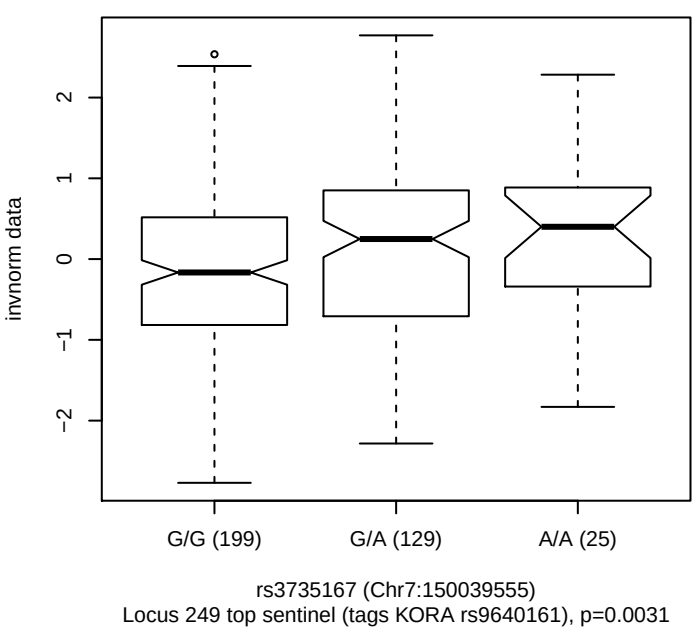

TIG2 (Uniprot: Q99969, ProbeID: 3079−62_2)
Frequency
0
20
40
60
80
100
120
140
1000
2000
3000
4000
5000
raw data
Retinoic acid receptor responder protein 2

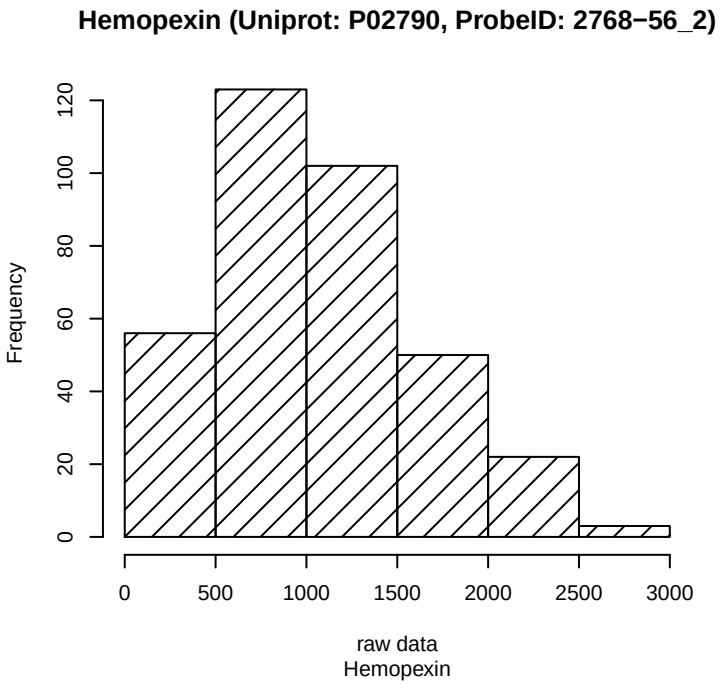

TIG2 (Uniprot: Q99969, ProbeID: 3079−62_2)
raw data
2000
3000
4000
5000
G/G (199)
G/A (129)
A/A (25)
rs3735167 (Chr7:150039555)
Locus 249 top sentinel (tags KORA rs9640161), p=0.005

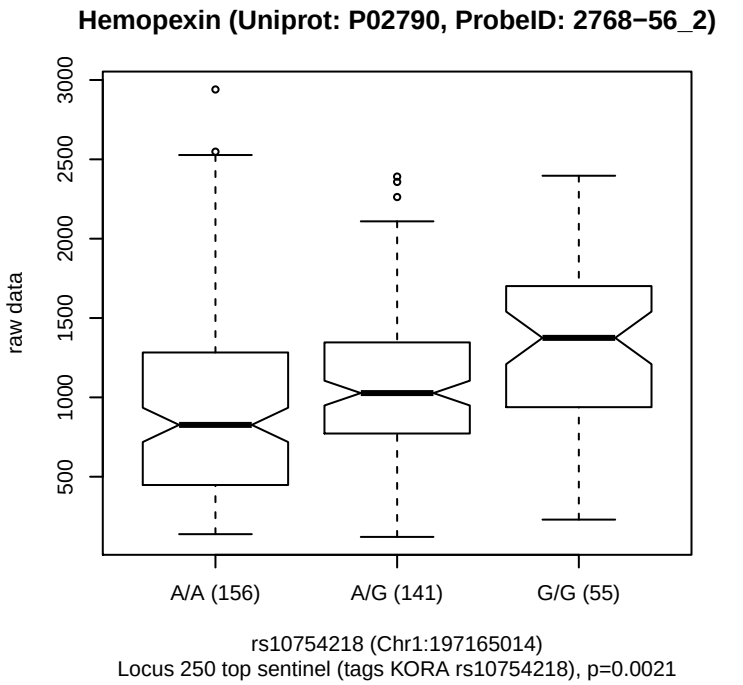

TIG2 (Uniprot: Q99969, ProbeID: 3079−62_2)
Frequency
0
20
40
60
80
100
120
10.5
11.0
11.5
12.0
log2−scaled data
Retinoic acid receptor responder protein 2

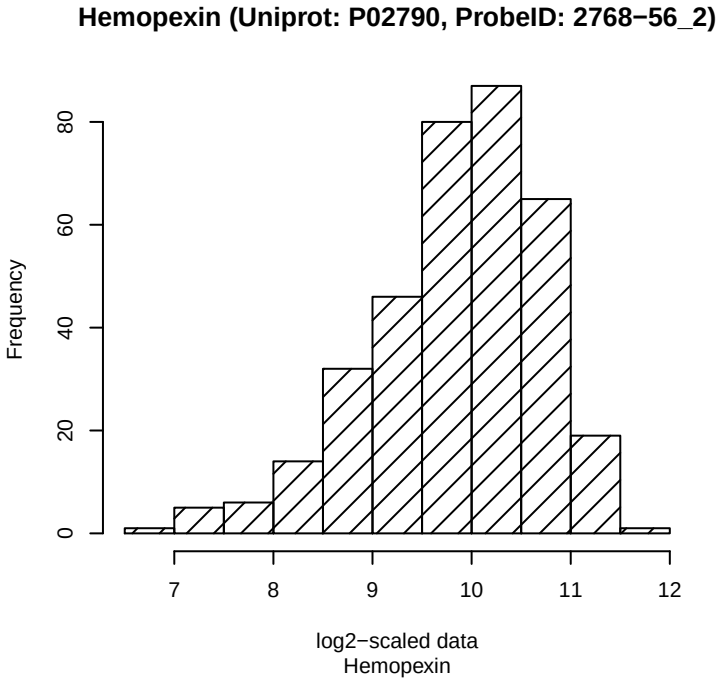

TIG2 (Uniprot: Q99969, ProbeID: 3079−62_2)
log2−scaled data
10.5
11.0
11.5
12.0
G/G (199)
G/A (129)
A/A (25)
rs3735167 (Chr7:150039555)
Locus 249 top sentinel (tags KORA rs9640161), p=0.0028, FC=1.0472

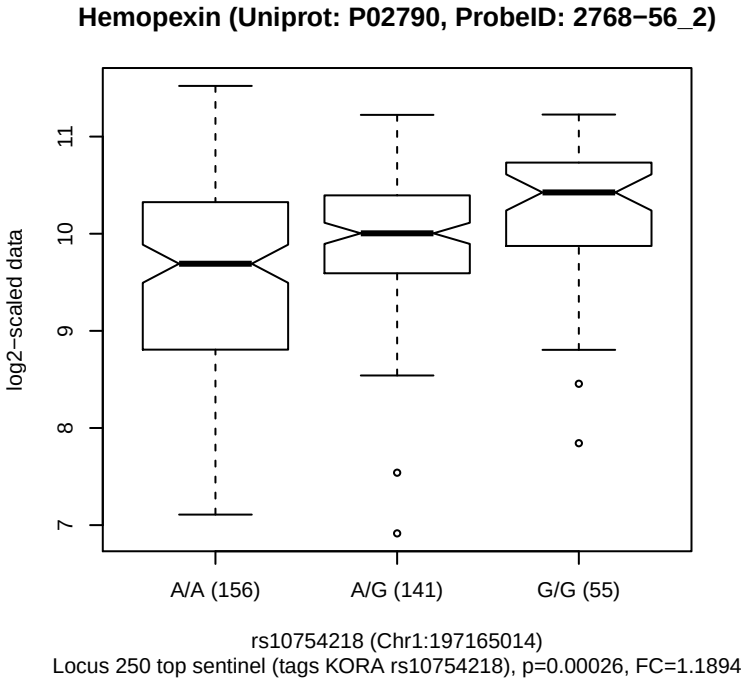

TIG2 (Uniprot: Q99969, ProbeID: 3079−62_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Retinoic acid receptor responder protein 2

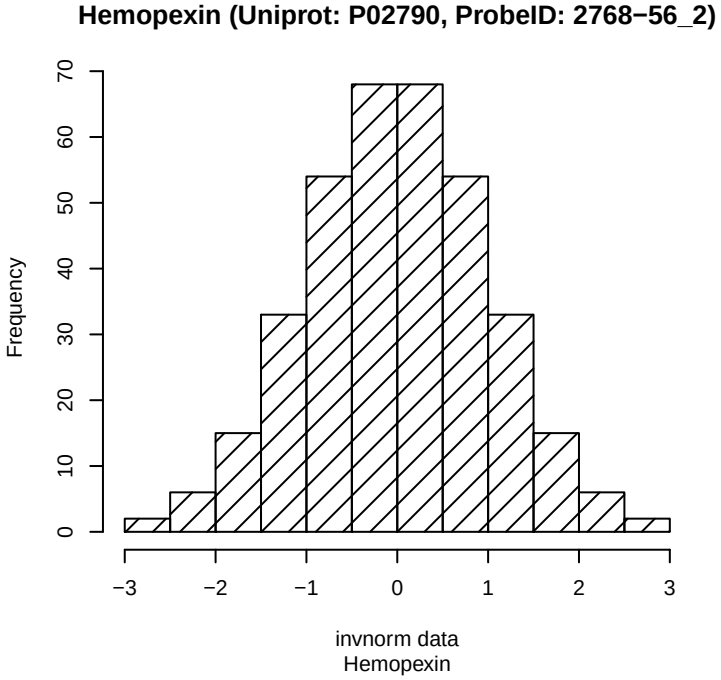

TIG2 (Uniprot: Q99969, ProbeID: 3079−62_2)
invnorm data
−2
−1
0
1
2
G/G (199)
G/A (129)
A/A (25)
rs3735167 (Chr7:150039555)
Locus 249 top sentinel (tags KORA rs9640161), p=0.0031

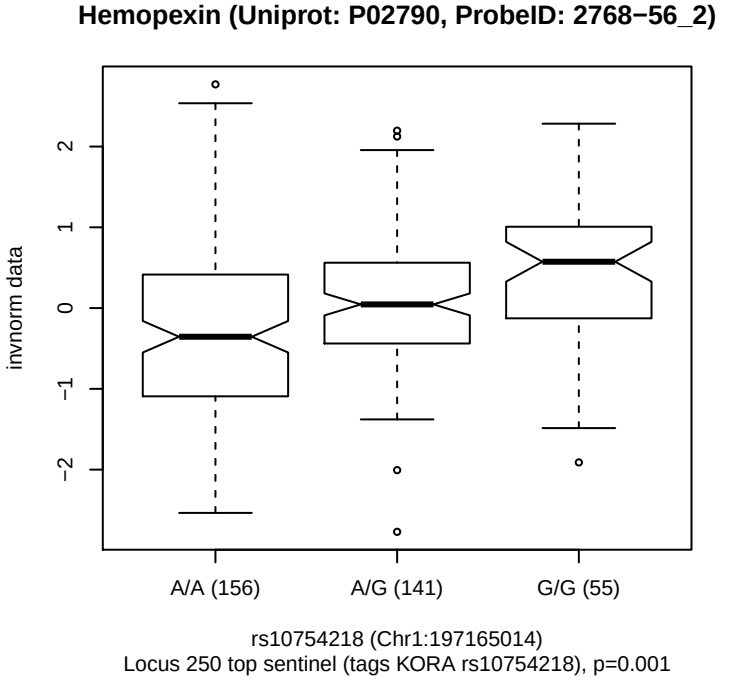

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
Frequency
0
20
40
60
80
100
120
0
500
1000
1500
2000
2500
3000
raw data
Hemopexin

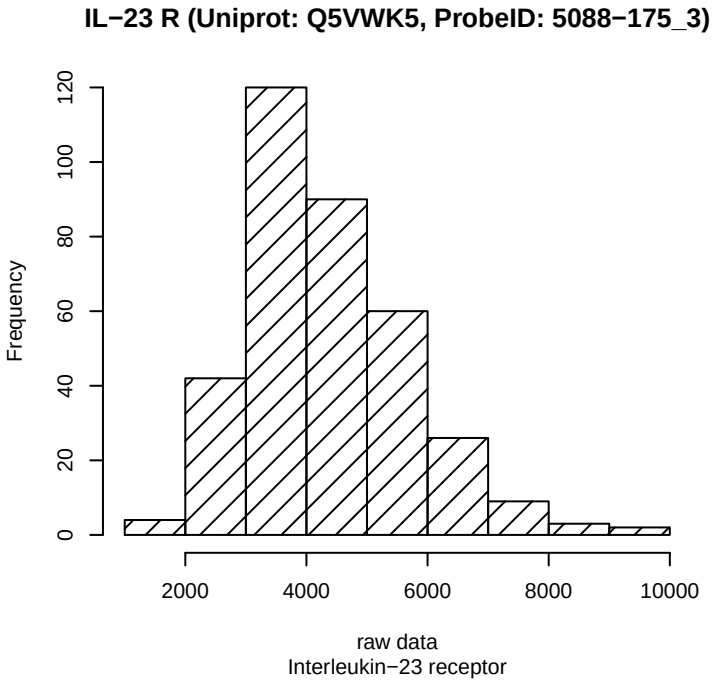

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
raw data
500
1000
1500
2000
2500
3000
A/A (156)
A/G (141)
G/G (55)
rs10754218 (Chr1:197165014)
Locus 250 top sentinel (tags KORA rs10754218), p=0.0021

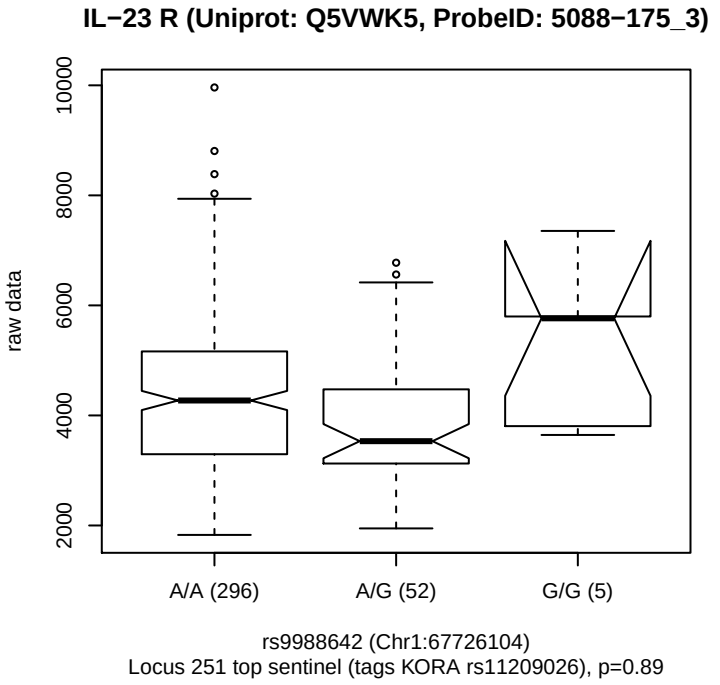

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
Frequency
0
20
40
60
80
7
8
9
10
11
12
log2−scaled data
Hemopexin

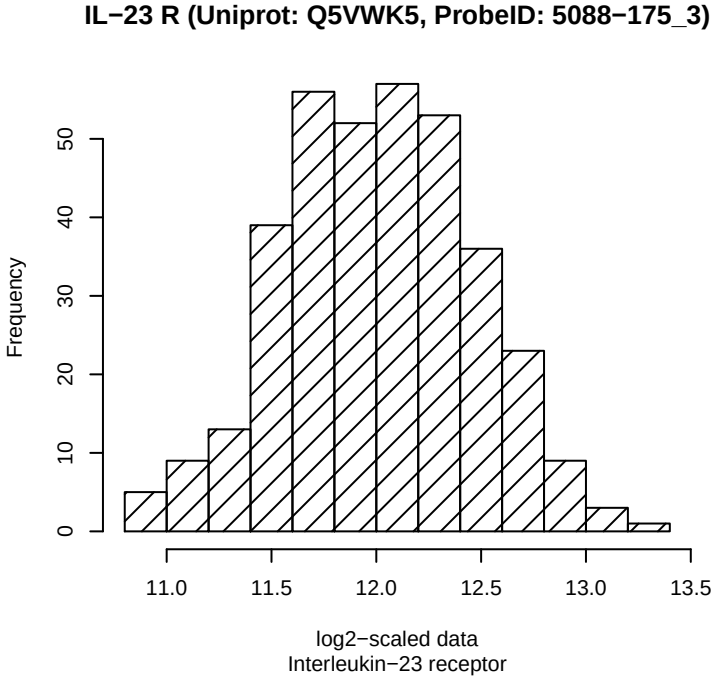

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
log2−scaled data
7
8
9
10
11
A/A (156)
A/G (141)
G/G (55)
rs10754218 (Chr1:197165014)
Locus 250 top sentinel (tags KORA rs10754218), p=0.00026, FC=1.1894

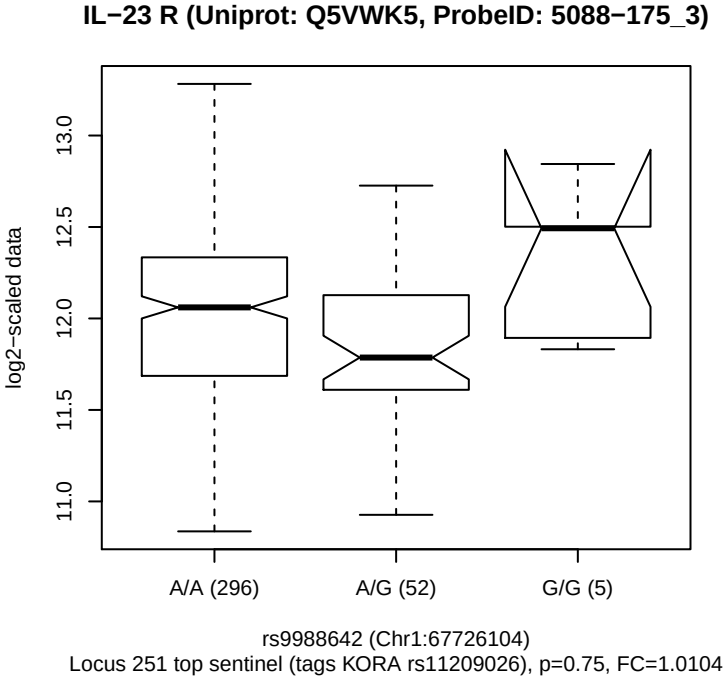

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Hemopexin

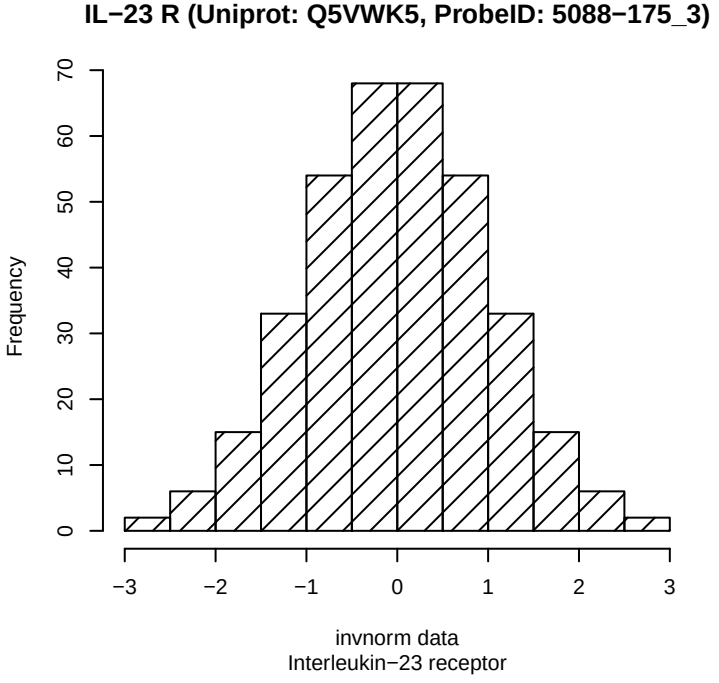

Hemopexin (Uniprot: P02790, ProbeID: 2768−56_2)
invnorm data
−2
−1
0
1
2
A/A (156)
A/G (141)
G/G (55)
rs10754218 (Chr1:197165014)
Locus 250 top sentinel (tags KORA rs10754218), p=0.001

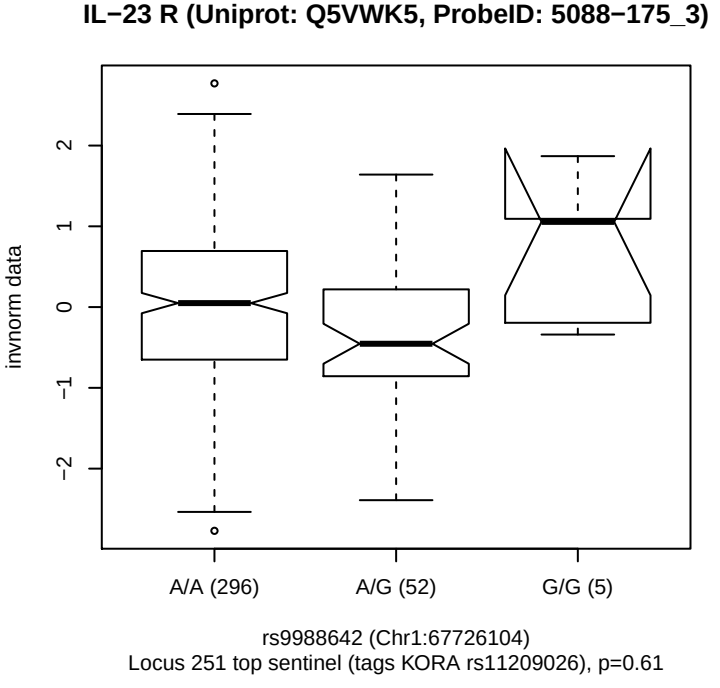

IL−23 R (Uniprot: Q5VWK5, ProbeID: 5088−175_3)
Frequency
0
20
40
60
80
100
120
2000
4000
6000
8000
10000
raw data
Interleukin−23 receptor

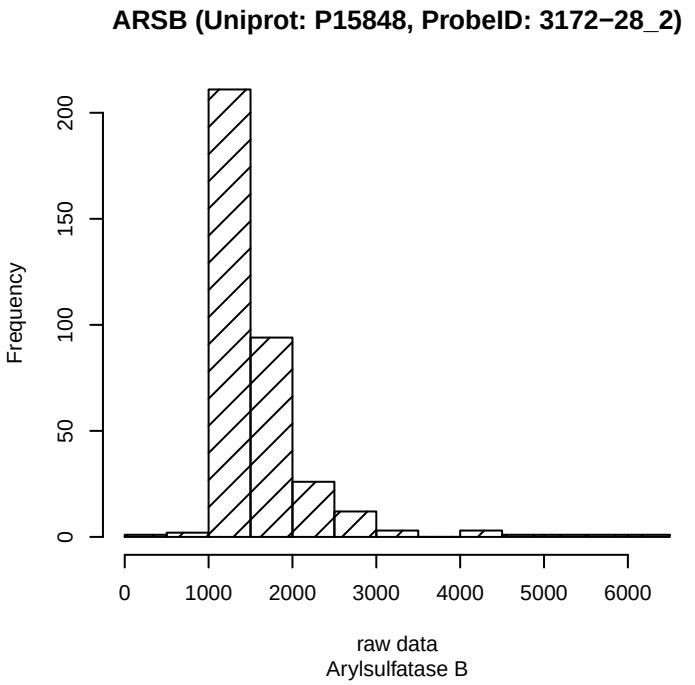

IL−23 R (Uniprot: Q5VWK5, ProbeID: 5088−175_3)
raw data
2000
4000
6000
8000
10000
A/A (296)
A/G (52)
G/G (5)
rs9988642 (Chr1:67726104)
Locus 251 top sentinel (tags KORA rs11209026), p=0.89

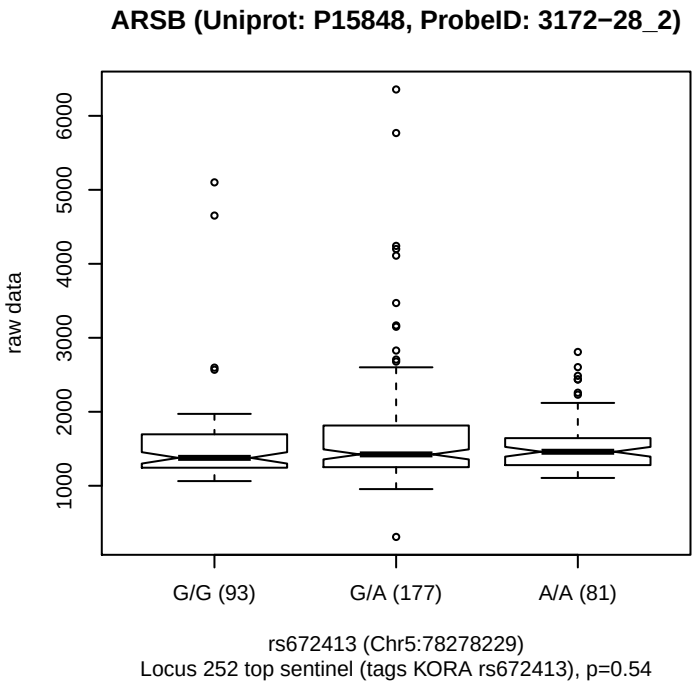

IL−23 R (Uniprot: Q5VWK5, ProbeID: 5088−175_3)
Frequency
0
10
20
30
40
50
11.0
11.5
12.0
12.5
13.0
13.5
log2−scaled data
Interleukin−23 receptor

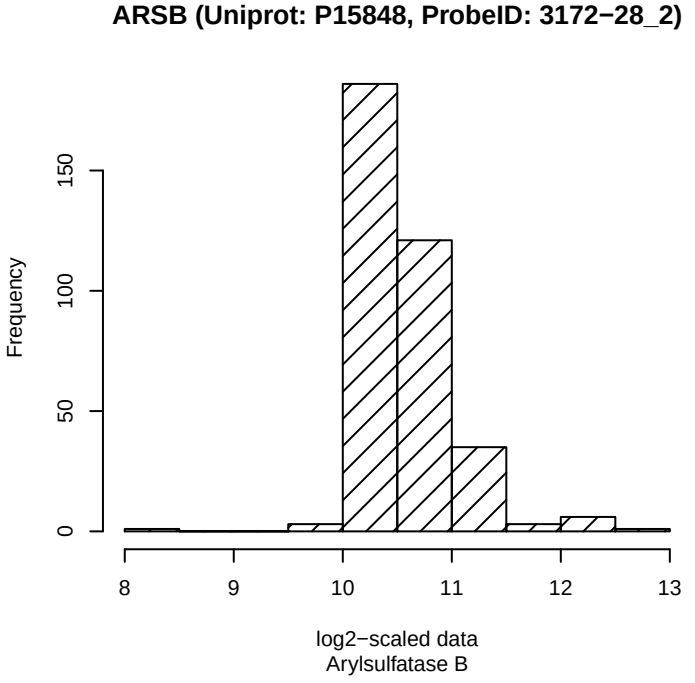

IL−23 R (Uniprot: Q5VWK5, ProbeID: 5088−175_3)
log2−scaled data
11.0
11.5
12.0
12.5
13.0
A/A (296)
A/G (52)
G/G (5)
rs9988642 (Chr1:67726104)
Locus 251 top sentinel (tags KORA rs11209026), p=0.75, FC=1.0104

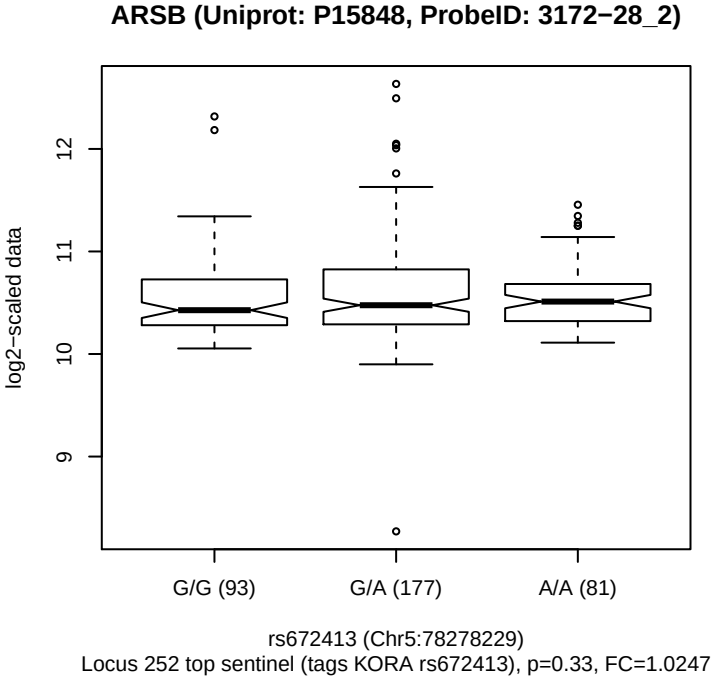

IL−23 R (Uniprot: Q5VWK5, ProbeID: 5088−175_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−23 receptor

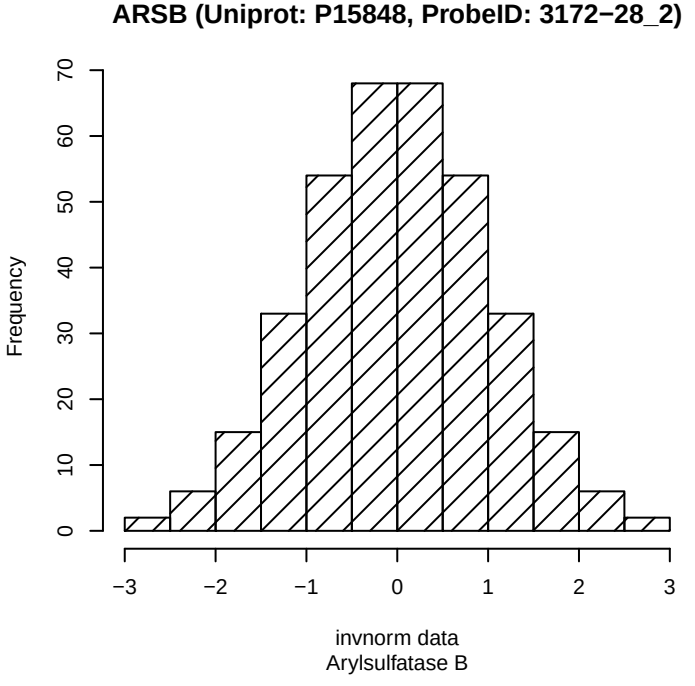

IL−23 R (Uniprot: Q5VWK5, ProbeID: 5088−175_3)
invnorm data
−2
−1
0
1
2
A/A (296)
A/G (52)
G/G (5)
rs9988642 (Chr1:67726104)
Locus 251 top sentinel (tags KORA rs11209026), p=0.61

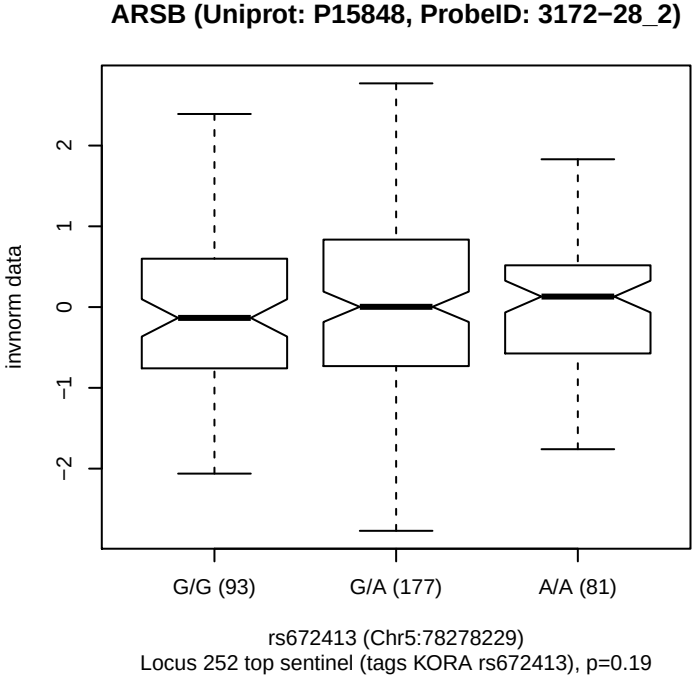

ARSB (Uniprot: P15848, ProbeID: 3172−28_2)
Frequency
0
50
100
150
200
0
1000
2000
3000
4000
5000
6000
raw data
Arylsulfatase B

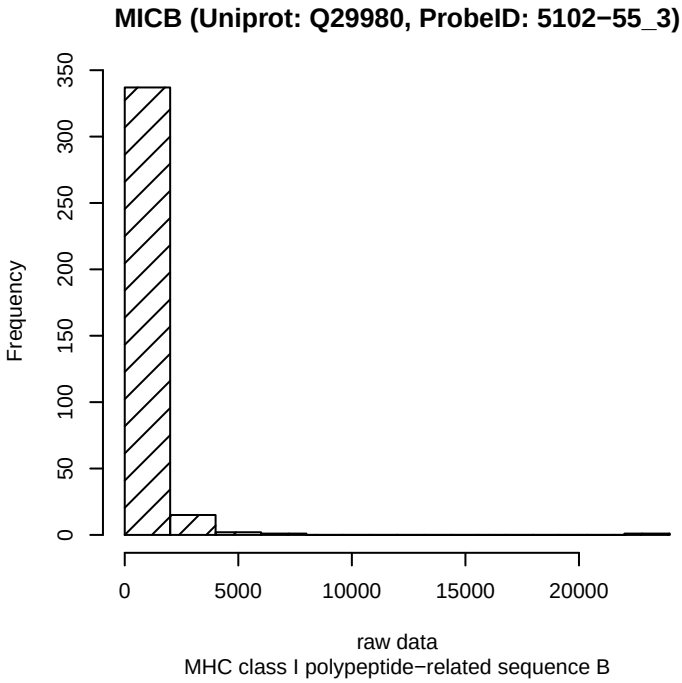

ARSB (Uniprot: P15848, ProbeID: 3172−28_2)
raw data
1000
2000
3000
4000
5000
6000
G/G (93)
G/A (177)
A/A (81)
rs672413 (Chr5:78278229)
Locus 252 top sentinel (tags KORA rs672413), p=0.54

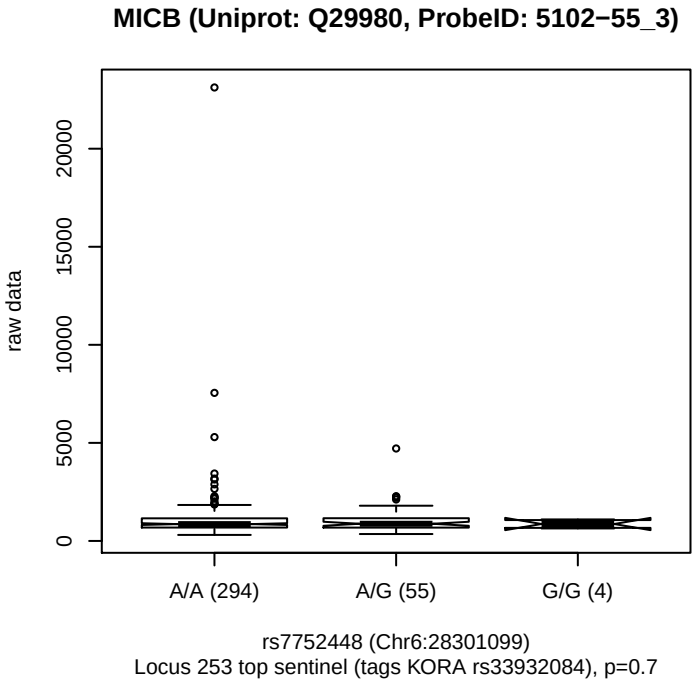

ARSB (Uniprot: P15848, ProbeID: 3172−28_2)
Frequency
0
50
100
150
8
9
10
11
12
13
log2−scaled data
Arylsulfatase B

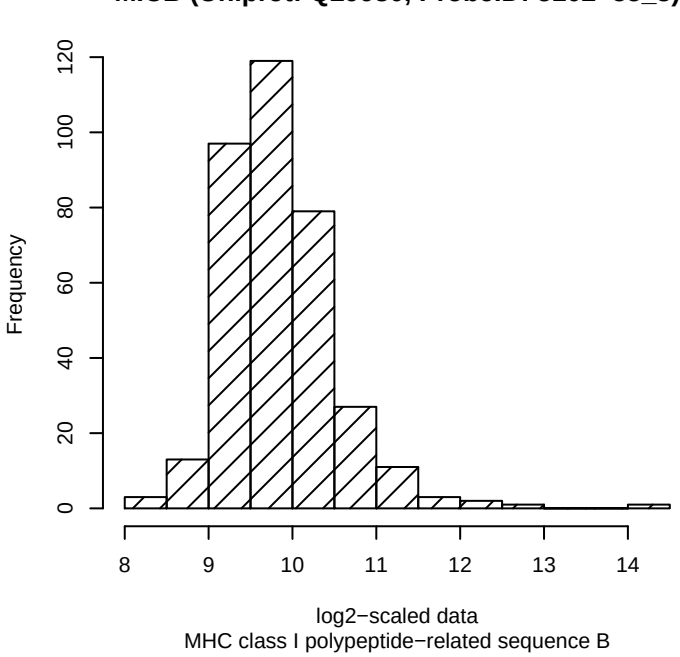

ARSB (Uniprot: P15848, ProbeID: 3172−28_2)
log2−scaled data
9
10
11
12
G/G (93)
G/A (177)
A/A (81)
rs672413 (Chr5:78278229)
Locus 252 top sentinel (tags KORA rs672413), p=0.33, FC=1.0247

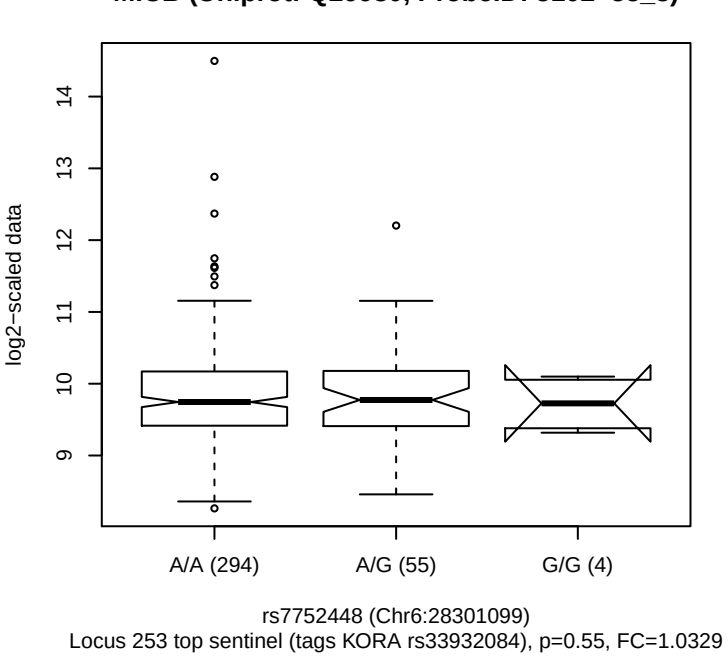

ARSB (Uniprot: P15848, ProbeID: 3172−28_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Arylsulfatase B

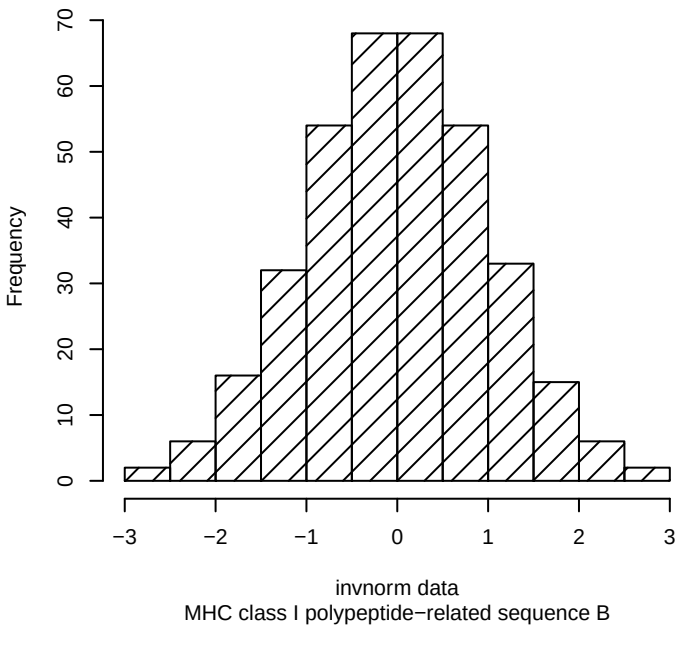

ARSB (Uniprot: P15848, ProbeID: 3172−28_2)
invnorm data
−2
−1
0
1
2
G/G (93)
G/A (177)
A/A (81)
rs672413 (Chr5:78278229)
Locus 252 top sentinel (tags KORA rs672413), p=0.19

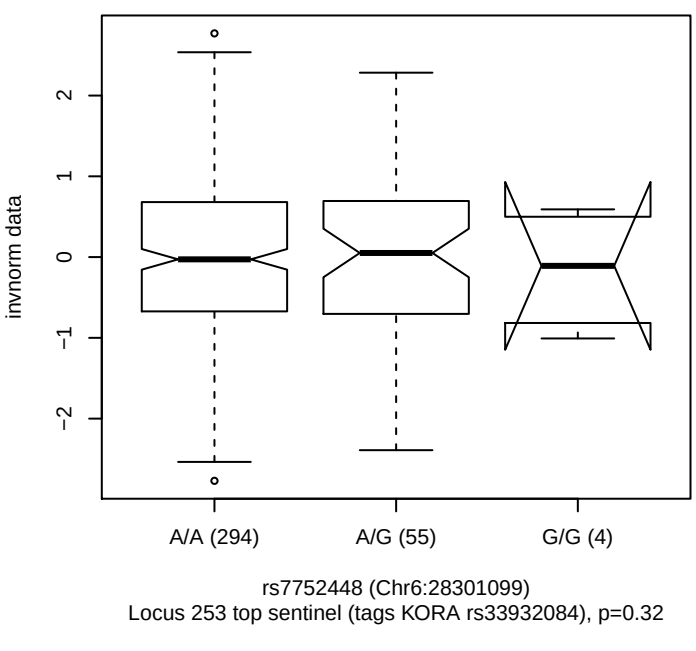

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
50
100
150
200
250
300
350
0
5000
10000
15000
20000
raw data
MHC class I polypeptide−related sequence B

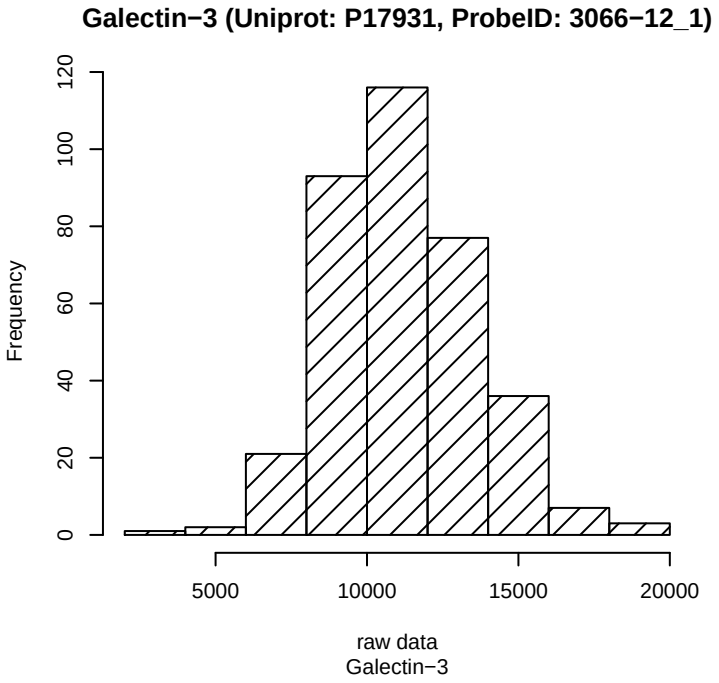

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
raw data
0
5000
10000
15000
20000
A/A (294)
A/G (55)
G/G (4)
rs7752448 (Chr6:28301099)
Locus 253 top sentinel (tags KORA rs33932084), p=0.7

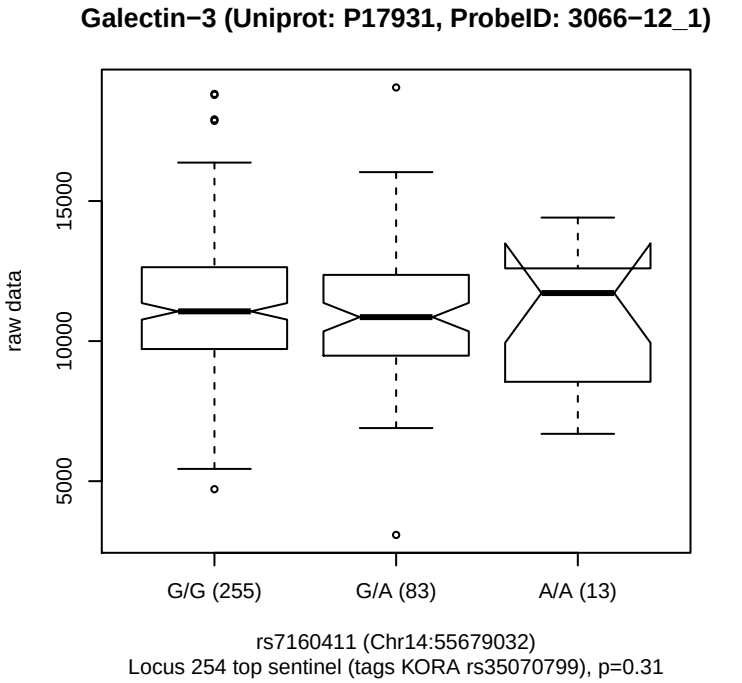

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
20
40
60
80
100
120
8
9
10
11
12
13
14
log2−scaled data
MHC class I polypeptide−related sequence B

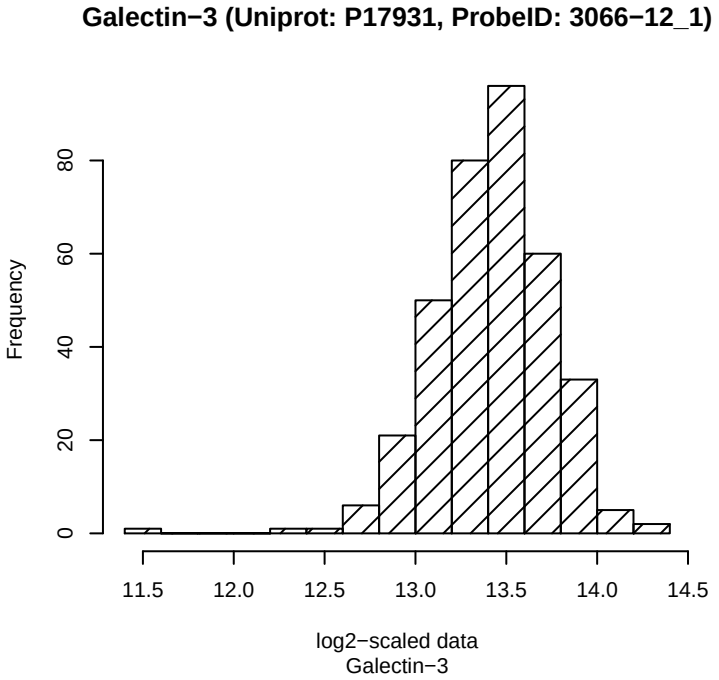

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
log2−scaled data
9
10
11
12
13
14
A/A (294)
A/G (55)
G/G (4)
rs7752448 (Chr6:28301099)
Locus 253 top sentinel (tags KORA rs33932084), p=0.55, FC=1.0329

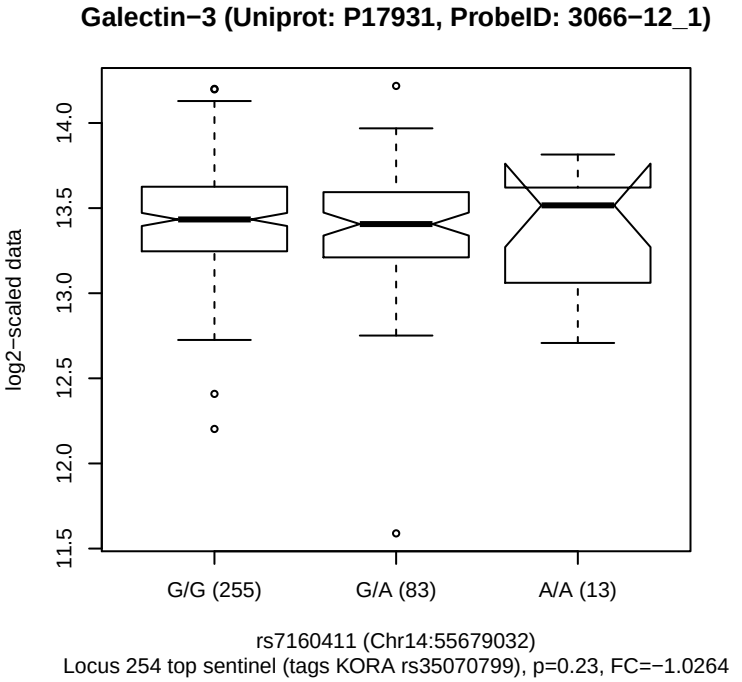

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence B

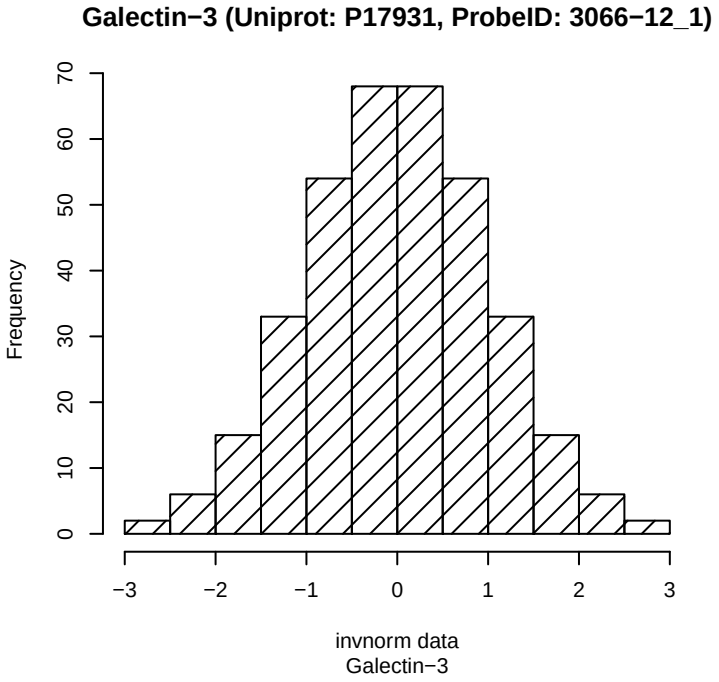

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
invnorm data
−2
−1
0
1
2
A/A (294)
A/G (55)
G/G (4)
rs7752448 (Chr6:28301099)
Locus 253 top sentinel (tags KORA rs33932084), p=0.32

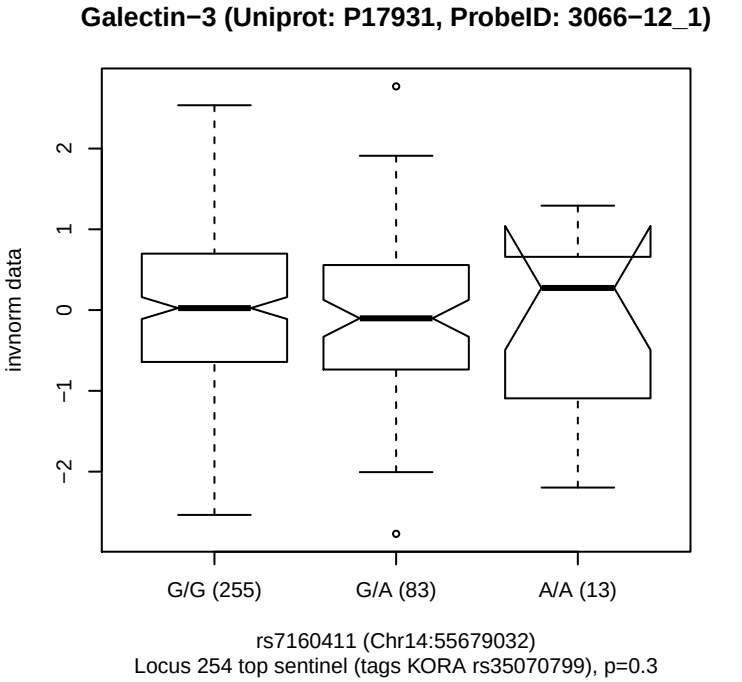

Galectin−3 (Uniprot: P17931, ProbeID: 3066−12_1)
Frequency
raw data
Galectin−3

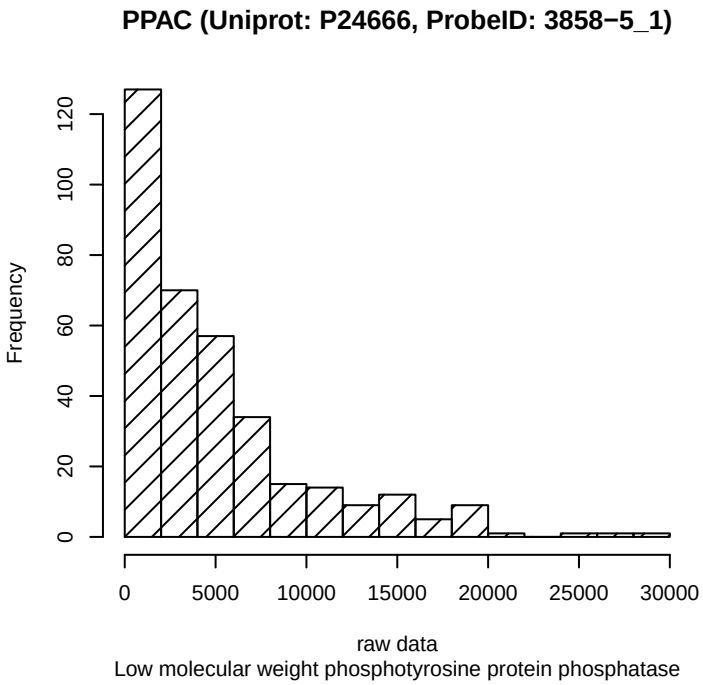

Galectin−3 (Uniprot: P17931, ProbeID: 3066−12_1)
raw data
G/G (255)
G/A (83)
A/A (13)
rs7160411 (Chr14:55679032)
Locus 254 top sentinel (tags KORA rs35070799), p=0.31

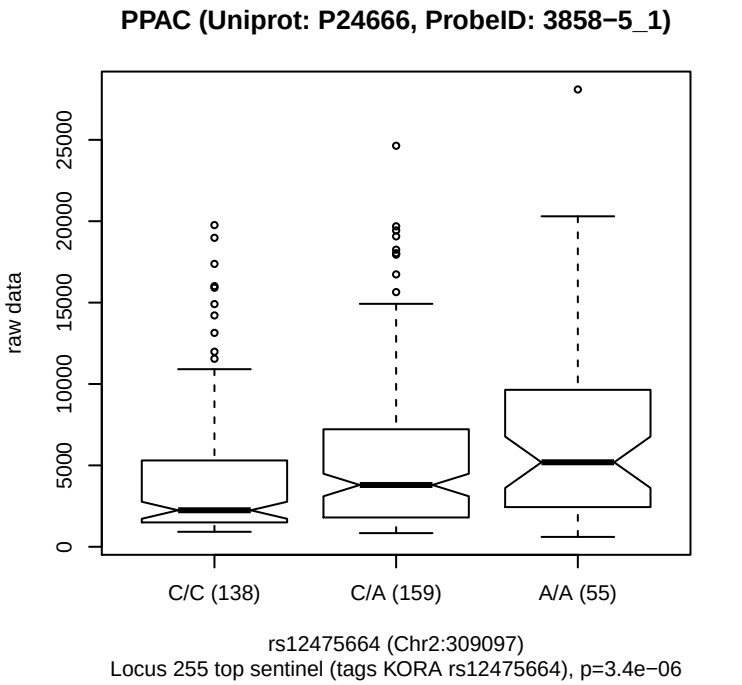

Galectin−3 (Uniprot: P17931, ProbeID: 3066−12_1)
Frequency
log2−scaled data
Galectin−3

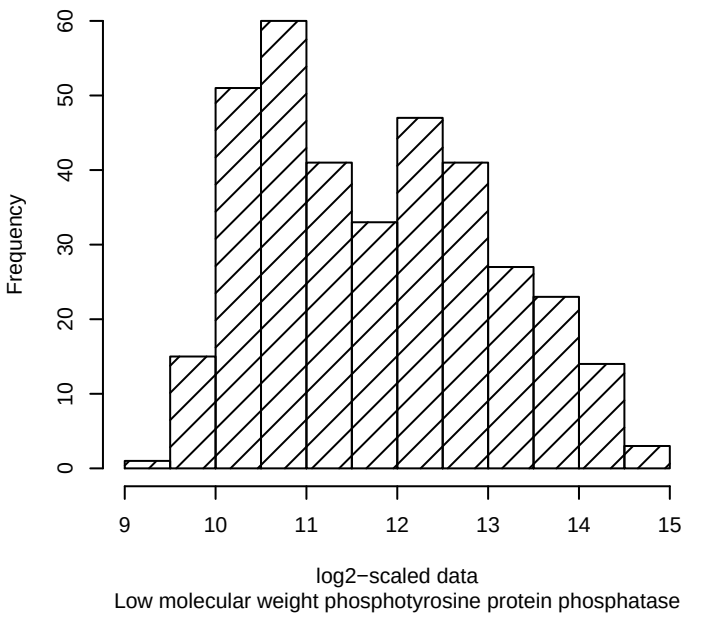

Galectin−3 (Uniprot: P17931, ProbeID: 3066−12_1)
log2−scaled data
G/G (255)
G/A (83)
A/A (13)
rs7160411 (Chr14:55679032)
Locus 254 top sentinel (tags KORA rs35070799), p=0.23, FC=−1.0264

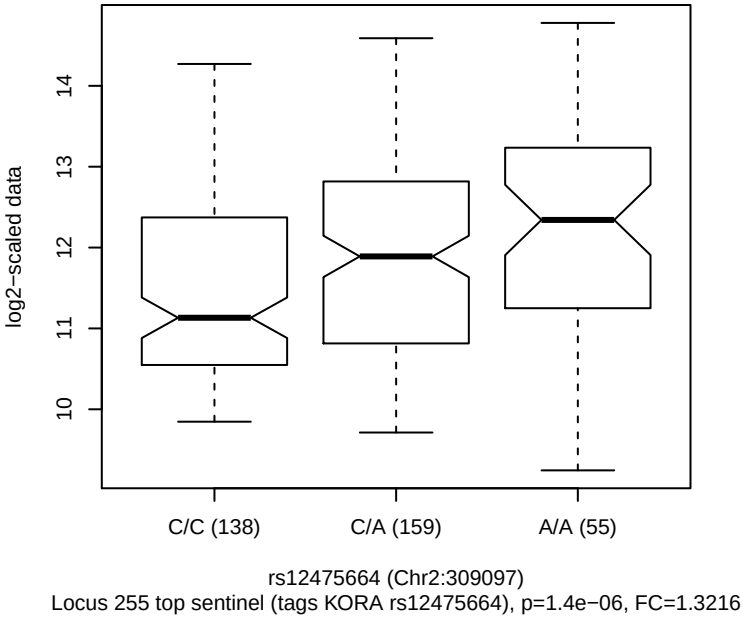

Galectin−3 (Uniprot: P17931, ProbeID: 3066−12_1)
Frequency
invnorm data
Galectin−3

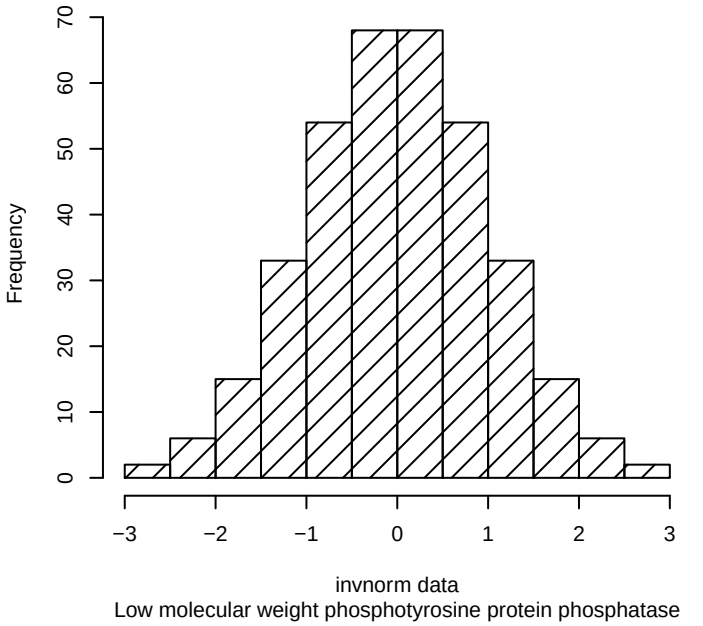

Galectin−3 (Uniprot: P17931, ProbeID: 3066−12_1)
invnorm data
G/G (255)
G/A (83)
A/A (13)
rs7160411 (Chr14:55679032)
Locus 254 top sentinel (tags KORA rs35070799), p=0.3

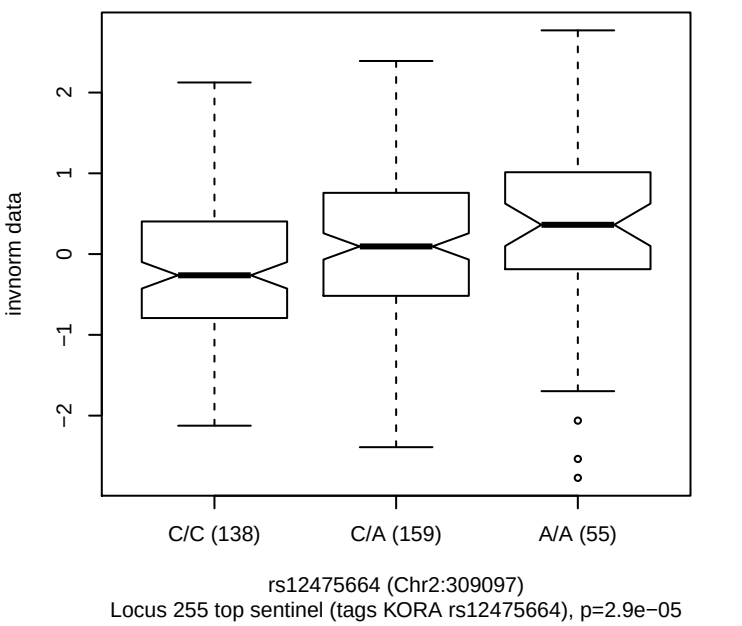

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
Frequency
0
20
40
60
80
100
120
0
5000
10000
15000
20000
25000
30000
raw data
Low molecular weight phosphotyrosine protein phosphatase

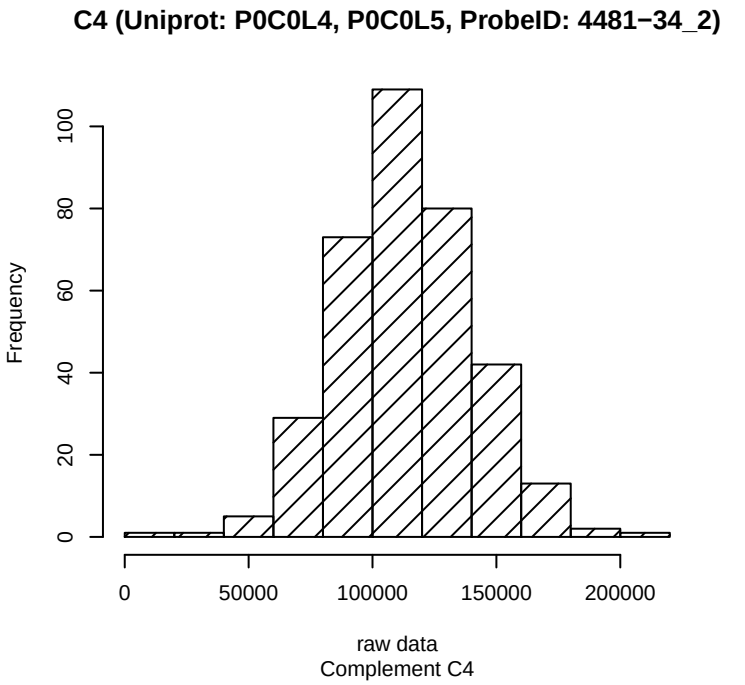

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
raw data
0
5000
10000
15000
20000
25000
C/C (138)
C/A (159)
A/A (55)
rs12475664 (Chr2:309097)
Locus 255 top sentinel (tags KORA rs12475664), p=3.4e−06

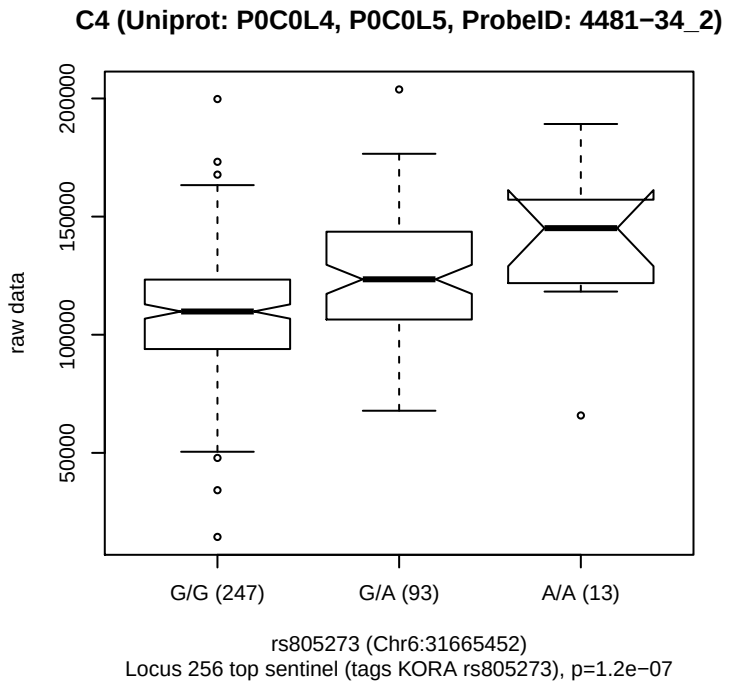

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
Frequency
0
10
20
30
40
50
60
9
10
11
12
13
14
15
log2−scaled data
Low molecular weight phosphotyrosine protein phosphatase

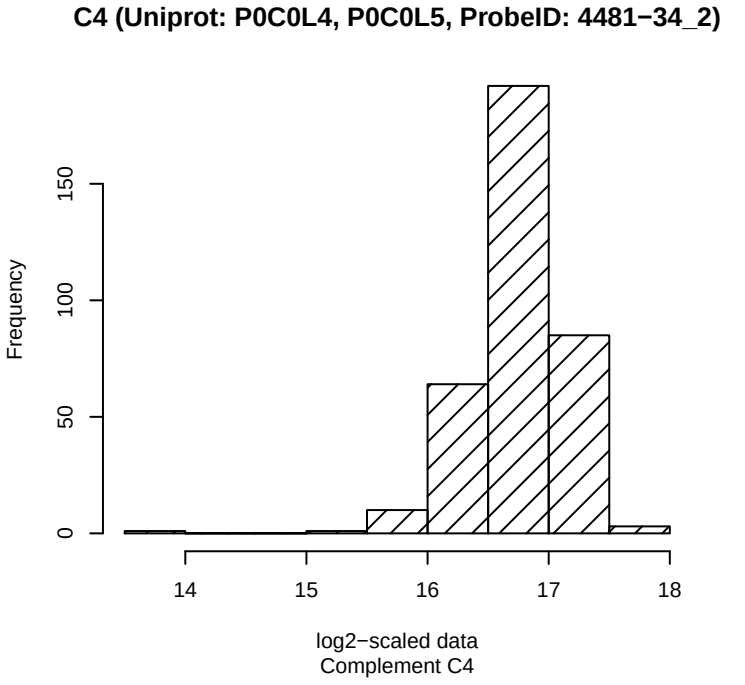

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
log2−scaled data
10
11
12
13
14
C/C (138)
C/A (159)
A/A (55)
rs12475664 (Chr2:309097)
Locus 255 top sentinel (tags KORA rs12475664), p=1.4e−06, FC=1.3216

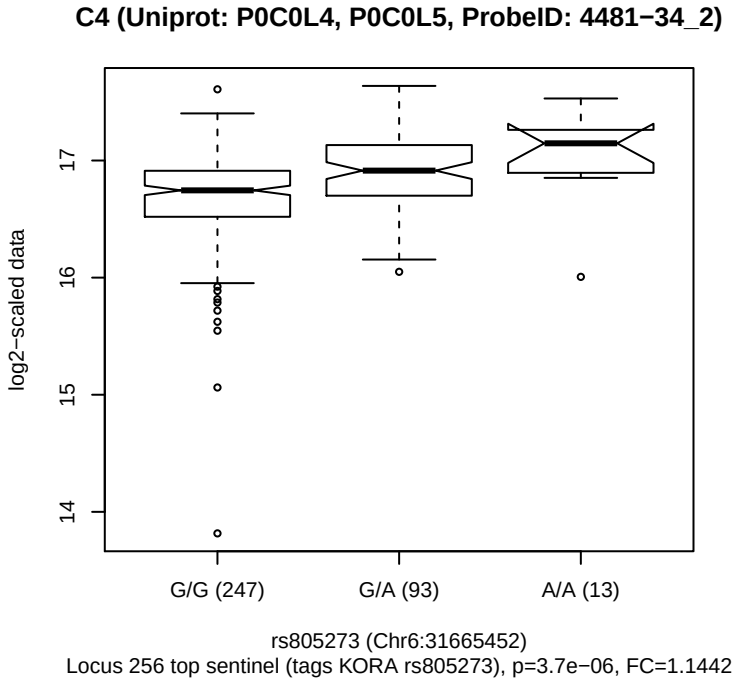

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Low molecular weight phosphotyrosine protein phosphatase

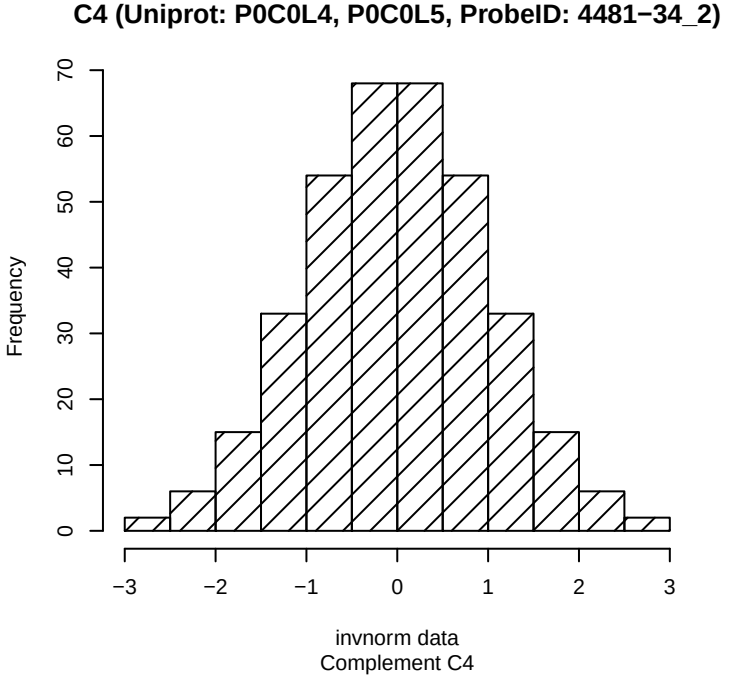

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
invnorm data
−2
−1
0
1
2
C/C (138)
C/A (159)
A/A (55)
rs12475664 (Chr2:309097)
Locus 255 top sentinel (tags KORA rs12475664), p=2.9e−05

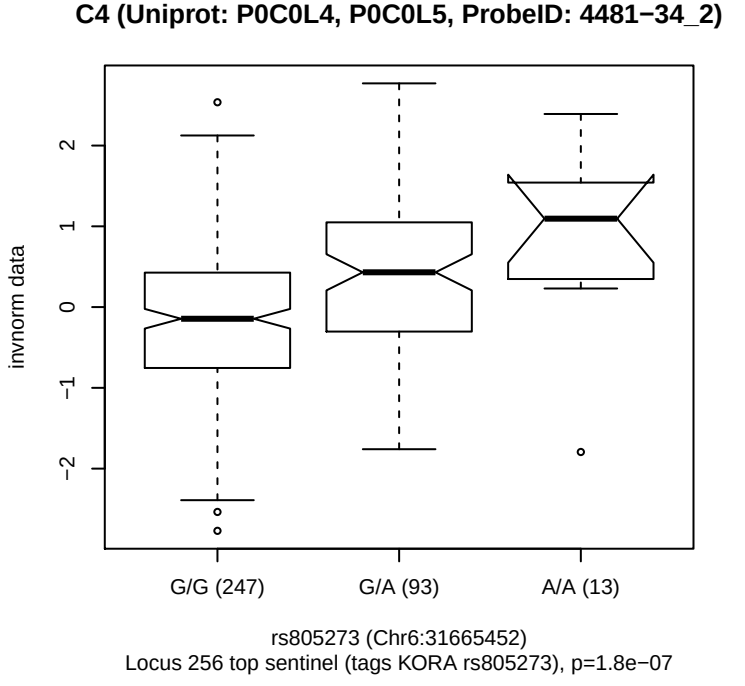

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
Frequency
0
20
40
60
80
100
0
50000
100000
150000
200000
raw data
Complement C4

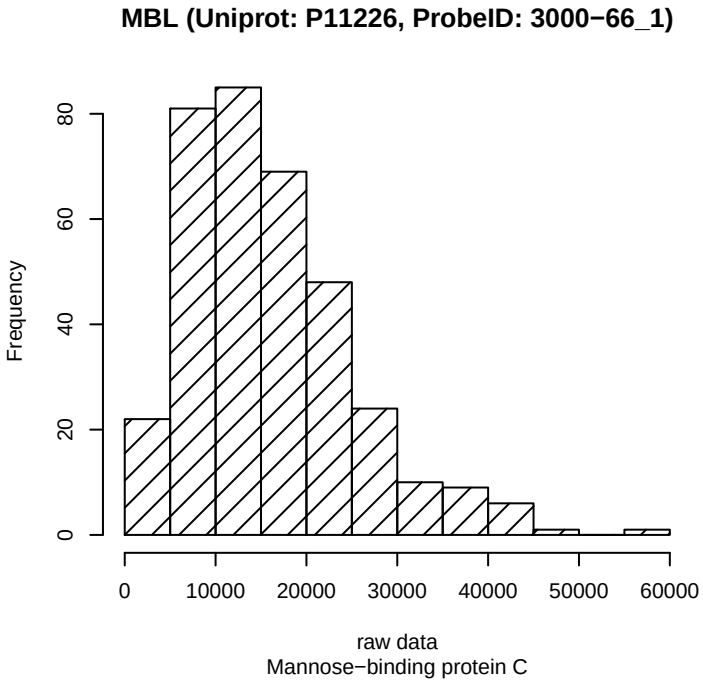

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
raw data
50000
100000
150000
200000
G/G (247)
G/A (93)
A/A (13)
rs805273 (Chr6:31665452)
Locus 256 top sentinel (tags KORA rs805273), p=1.2e−07

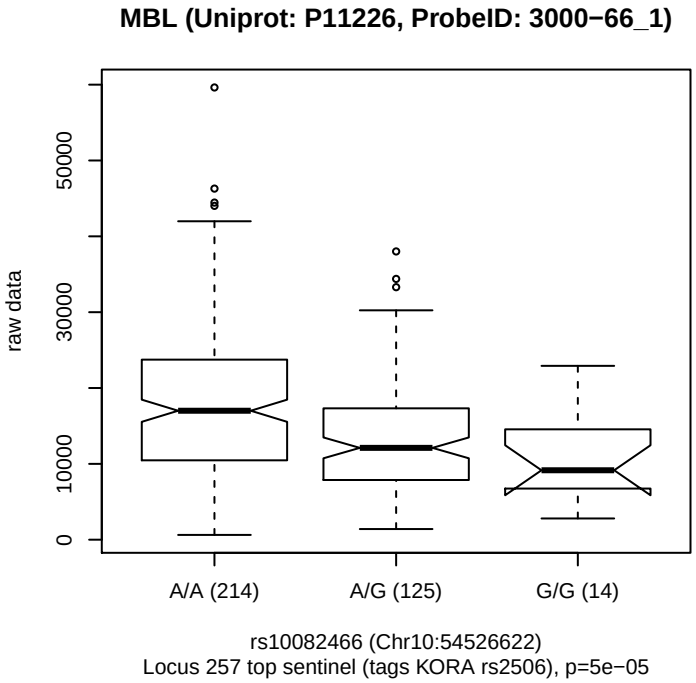

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
Frequency
0
50
100
150
14
15
16
17
18
log2−scaled data
Complement C4

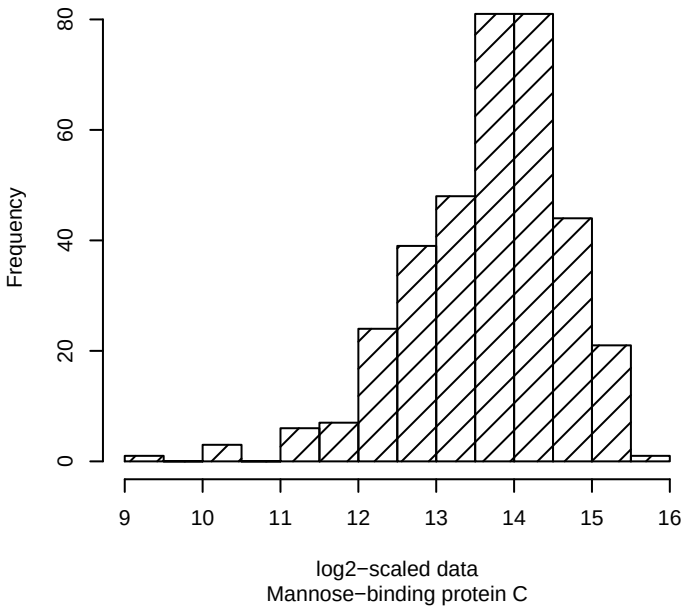

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
log2−scaled data
14
15
16
17
G/G (247)
G/A (93)
A/A (13)
rs805273 (Chr6:31665452)
Locus 256 top sentinel (tags KORA rs805273), p=3.7e−06, FC=1.1442

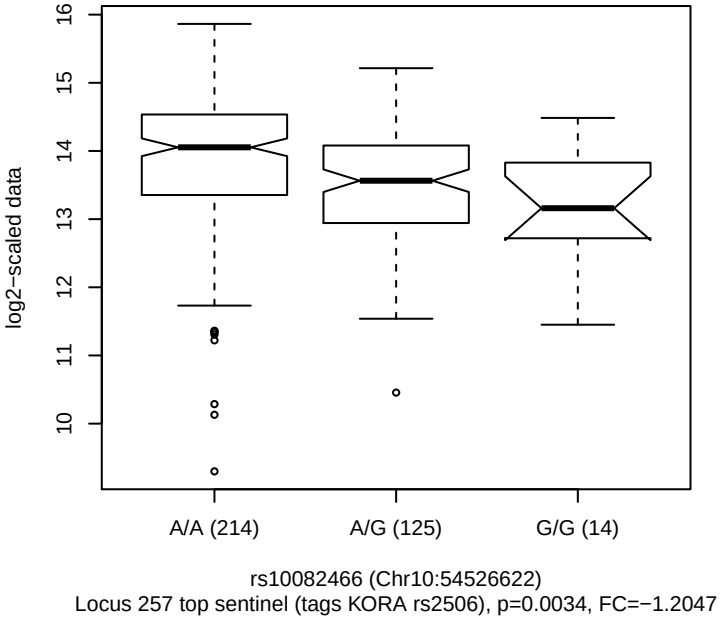

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Complement C4

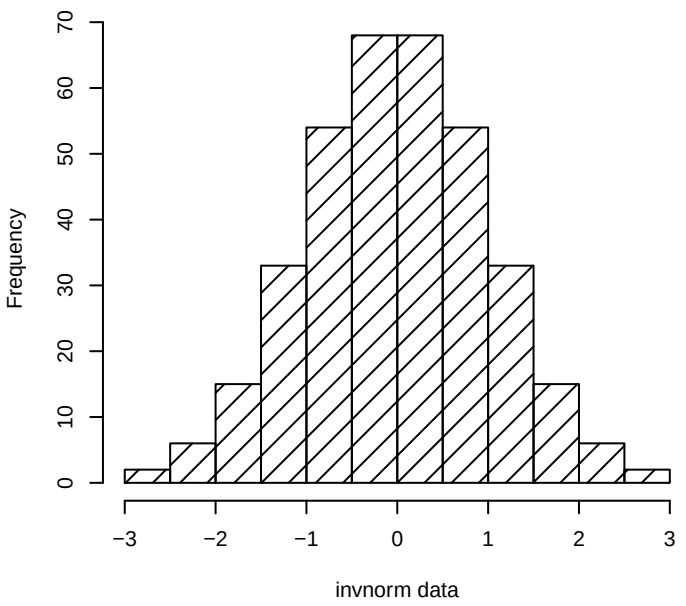

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
invnorm data
−2
−1
0
1
2
G/G (247)
G/A (93)
A/A (13)
rs805273 (Chr6:31665452)
Locus 256 top sentinel (tags KORA rs805273), p=1.8e−07

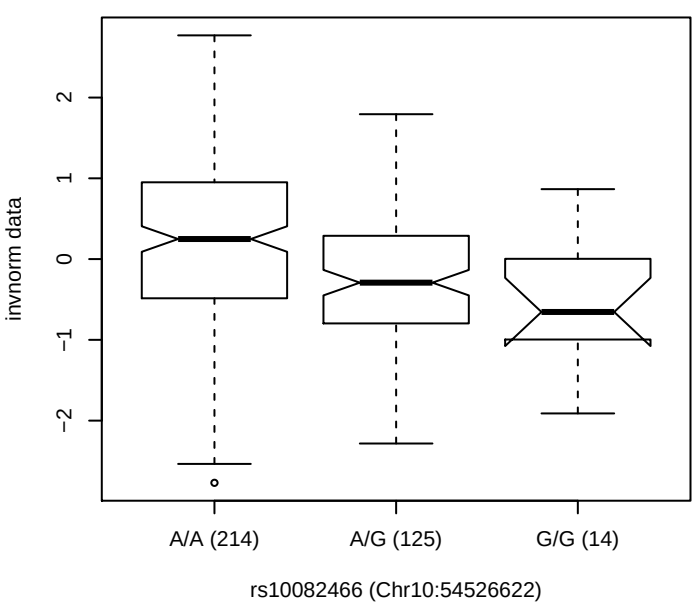

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
Frequency
0
20
40
60
80
0
10000
20000
30000
40000
50000
60000
raw data
Mannose−binding protein C

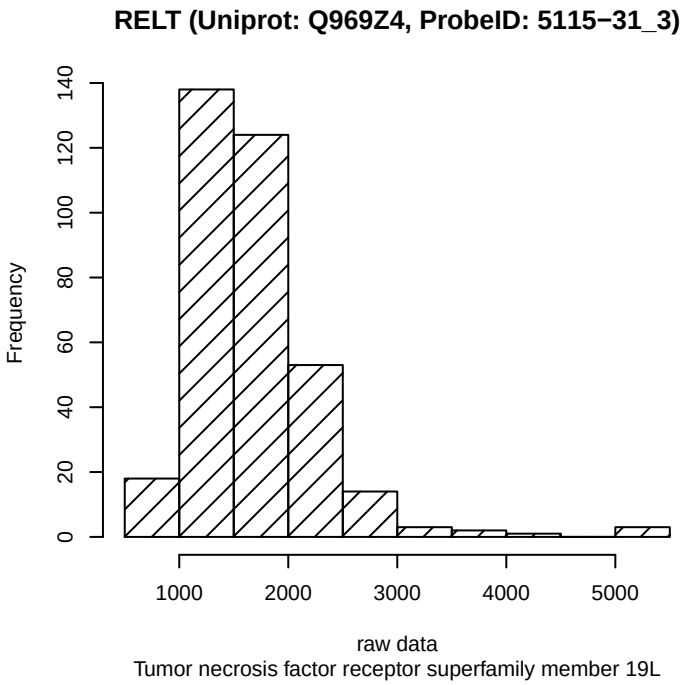

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
raw data
0
10000
30000
50000
A/A (214)
A/G (125)
G/G (14)
rs10082466 (Chr10:54526622)
Locus 257 top sentinel (tags KORA rs2506), p=5e−05

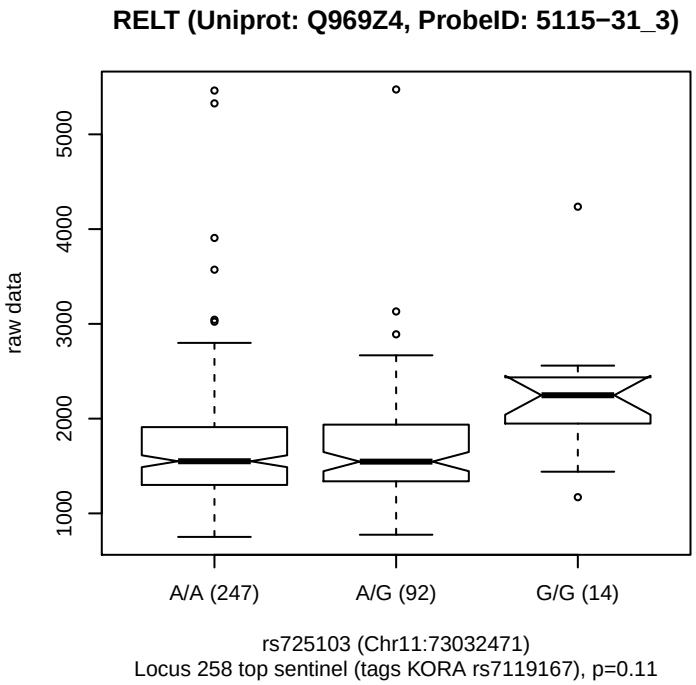

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
Frequency
0
20
40
60
80
9
10
11
12
13
14
15
16
log2−scaled data
Mannose−binding protein C

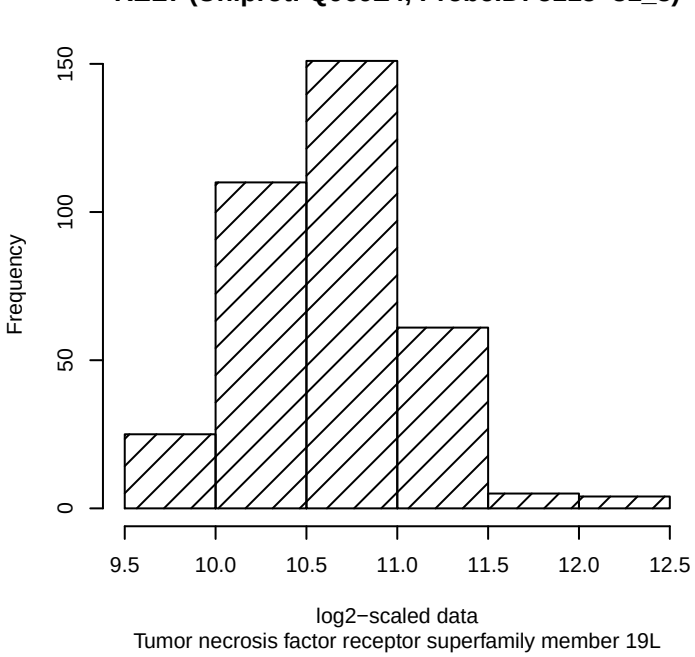

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
log2−scaled data
10
11
12
13
14
15
16
A/A (214)
A/G (125)
G/G (14)
rs10082466 (Chr10:54526622)
Locus 257 top sentinel (tags KORA rs2506), p=0.0034, FC=−1.2047

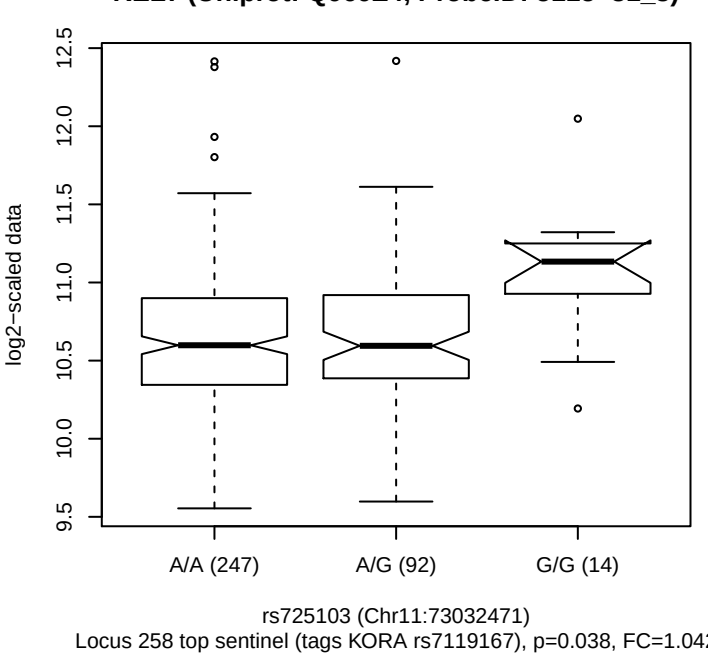

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Mannose−binding protein C

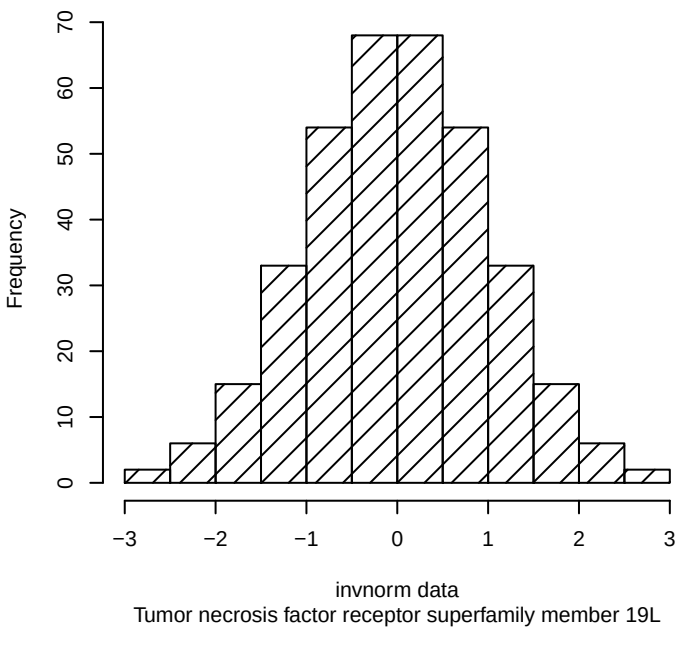

MBL (Uniprot: P11226, ProbeID: 3000−66_1)
invnorm data
−2
−1
0
1
2
A/A (214)
A/G (125)
G/G (14)
rs10082466 (Chr10:54526622)
Locus 257 top sentinel (tags KORA rs2506), p=0.00027

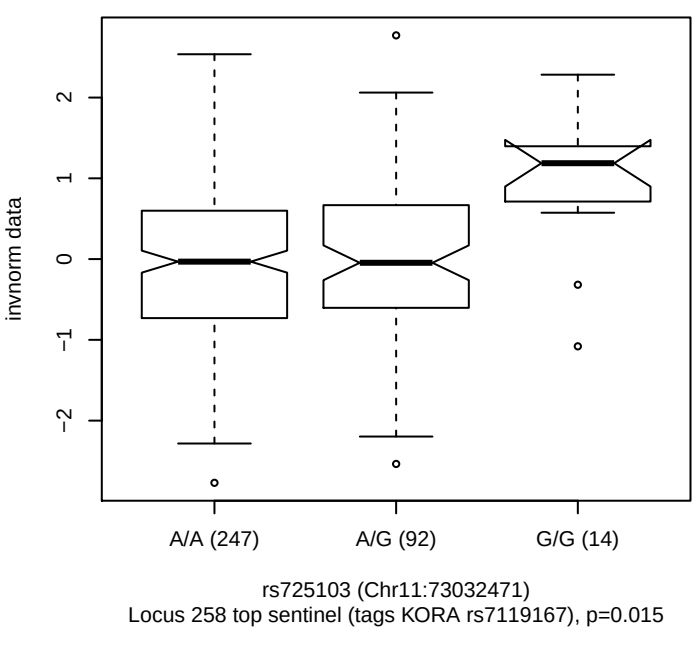

RELT (Uniprot: Q969Z4, ProbeID: 5115−31_3)
Frequency
0
20
40
60
80
100
120
140
1000
2000
3000
4000
5000
raw data
Tumor necrosis factor receptor superfamily member 19L

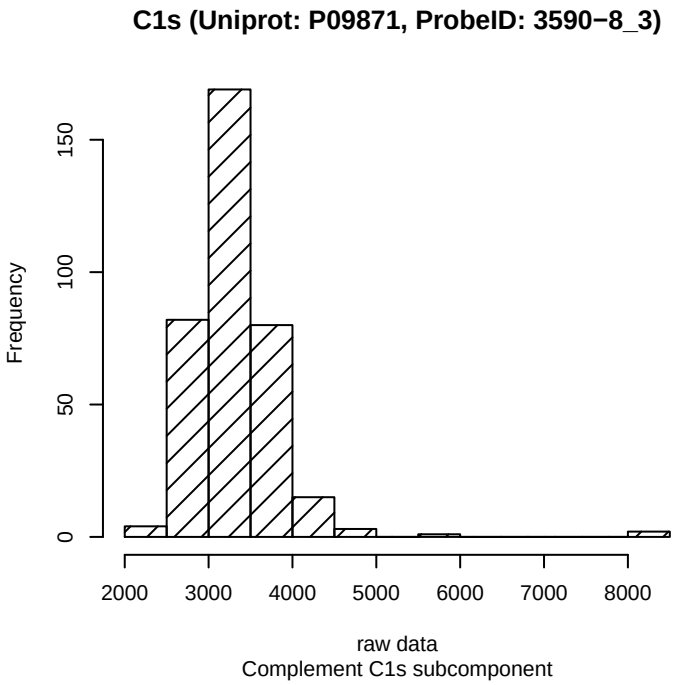

RELT (Uniprot: Q969Z4, ProbeID: 5115−31_3)
raw data
1000
2000
3000
4000
5000
A/A (247)
A/G (92)
G/G (14)
rs725103 (Chr11:73032471)
Locus 258 top sentinel (tags KORA rs7119167), p=0.11

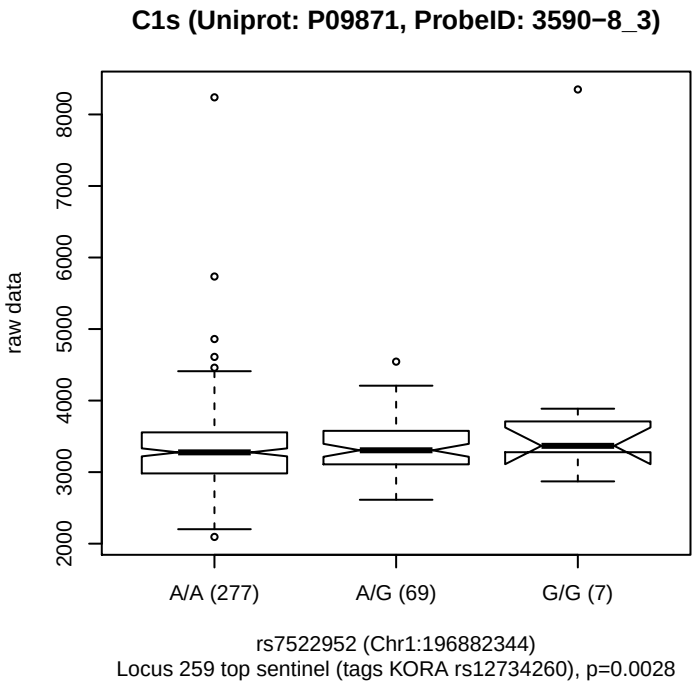

RELT (Uniprot: Q969Z4, ProbeID: 5115−31_3)
Frequency
0
50
100
150
9.5
10.0
10.5
11.0
11.5
12.0
12.5
log2−scaled data
Tumor necrosis factor receptor superfamily member 19L

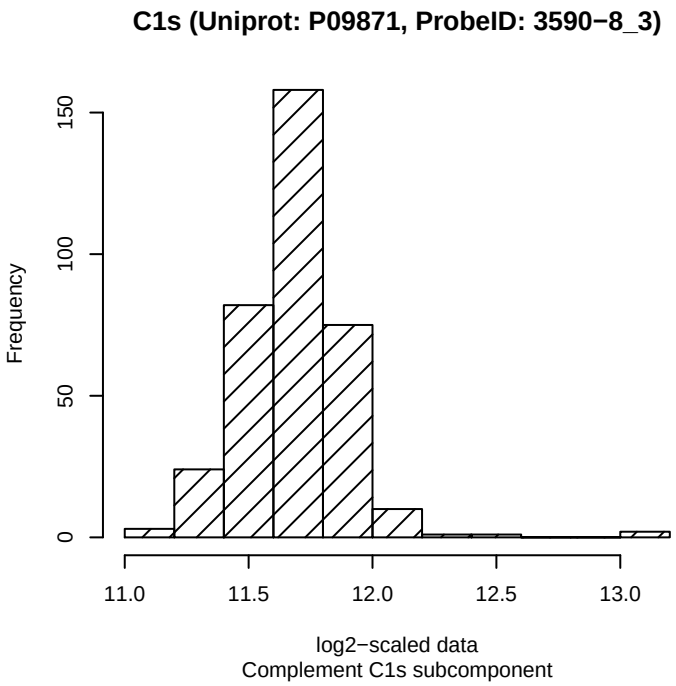

RELT (Uniprot: Q969Z4, ProbeID: 5115−31_3)
log2−scaled data
9.5
10.0
10.5
11.0
11.5
12.0
12.5
A/A (247)
A/G (92)
G/G (14)
rs725103 (Chr11:73032471)
Locus 258 top sentinel (tags KORA rs7119167), p=0.038, FC=1.042

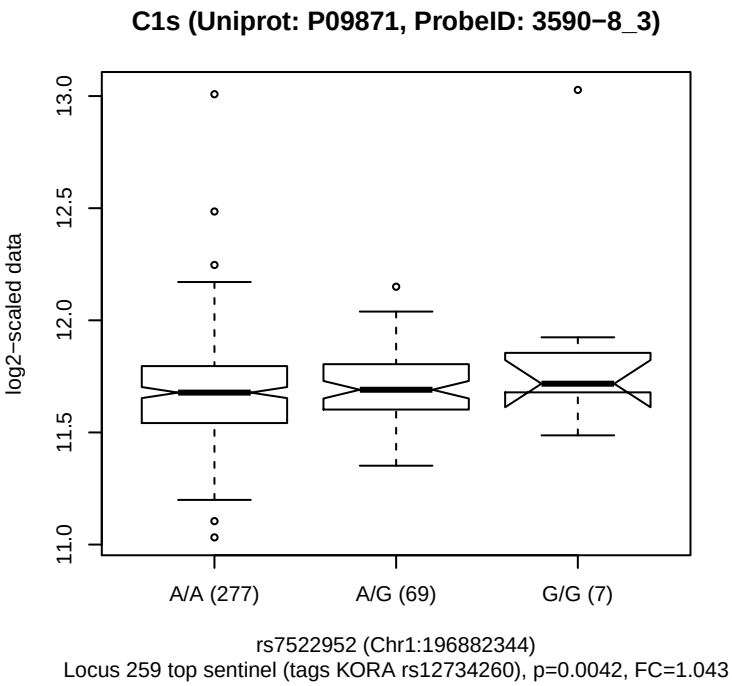

RELT (Uniprot: Q969Z4, ProbeID: 5115−31_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Tumor necrosis factor receptor superfamily member 19L

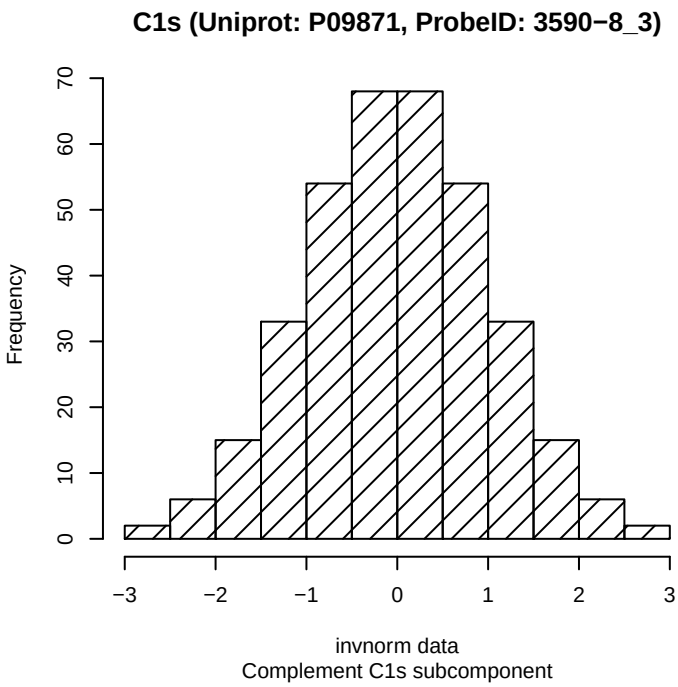

RELT (Uniprot: Q969Z4, ProbeID: 5115−31_3)
invnorm data
−2
−1
0
1
2
A/A (247)
A/G (92)
G/G (14)
rs725103 (Chr11:73032471)
Locus 258 top sentinel (tags KORA rs7119167), p=0.015

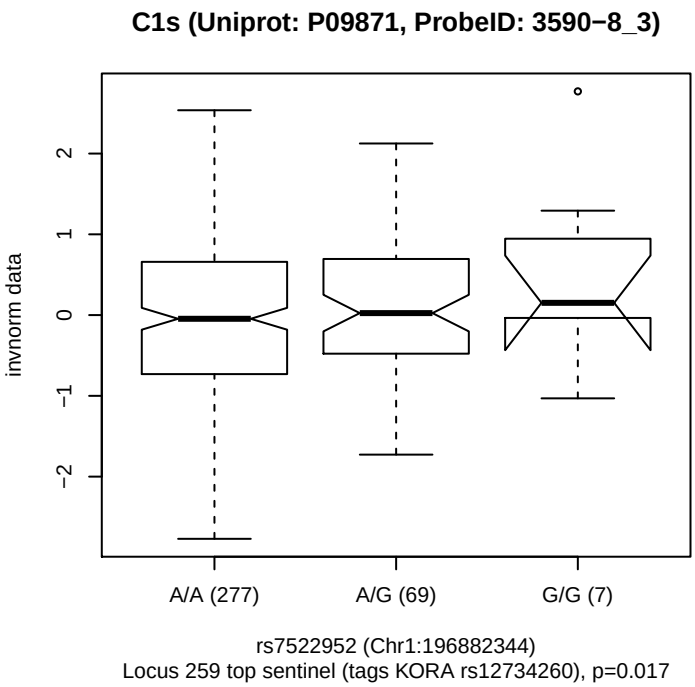

C1s (Uniprot: P09871, ProbeID: 3590−8_3)
Frequency
0
50
100
150
2000
3000
4000
5000
6000
7000
8000
raw data
Complement C1s subcomponent


C1s (Uniprot: P09871, ProbeID: 3590−8_3)
raw data
2000
3000
4000
5000
6000
7000
8000
A/A (277)
A/G (69)
G/G (7)
rs7522952 (Chr1:196882344)
Locus 259 top sentinel (tags KORA rs12734260), p=0.0028

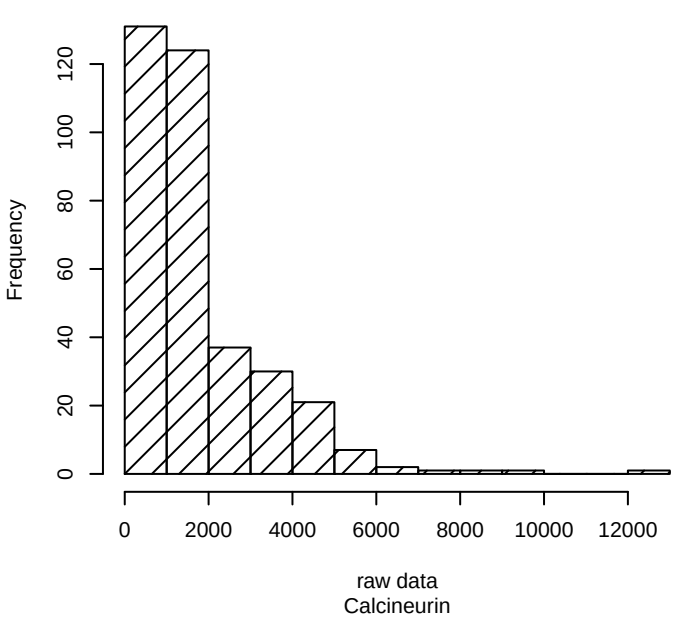

C1s (Uniprot: P09871, ProbeID: 3590−8_3)
Frequency
0
50
100
150
11.0
11.5
12.0
12.5
13.0
log2−scaled data
Complement C1s subcomponent


C1s (Uniprot: P09871, ProbeID: 3590−8_3)
log2−scaled data
11.0
11.5
12.0
12.5
13.0
A/A (277)
A/G (69)
G/G (7)
rs7522952 (Chr1:196882344)
Locus 259 top sentinel (tags KORA rs12734260), p=0.0042, FC=1.043

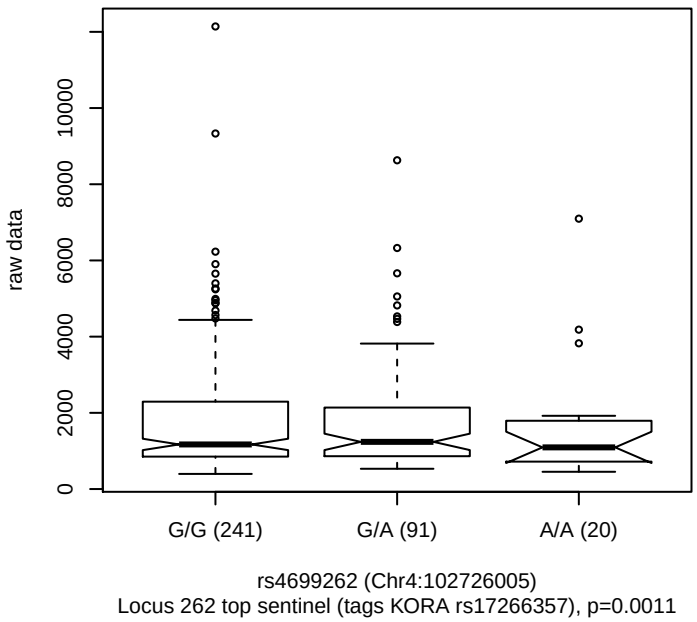

C1s (Uniprot: P09871, ProbeID: 3590−8_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Complement C1s subcomponent


C1s (Uniprot: P09871, ProbeID: 3590−8_3)
invnorm data
−2
−1
0
1
2
A/A (277)
A/G (69)
G/G (7)
rs7522952 (Chr1:196882344)
Locus 259 top sentinel (tags KORA rs12734260), p=0.017

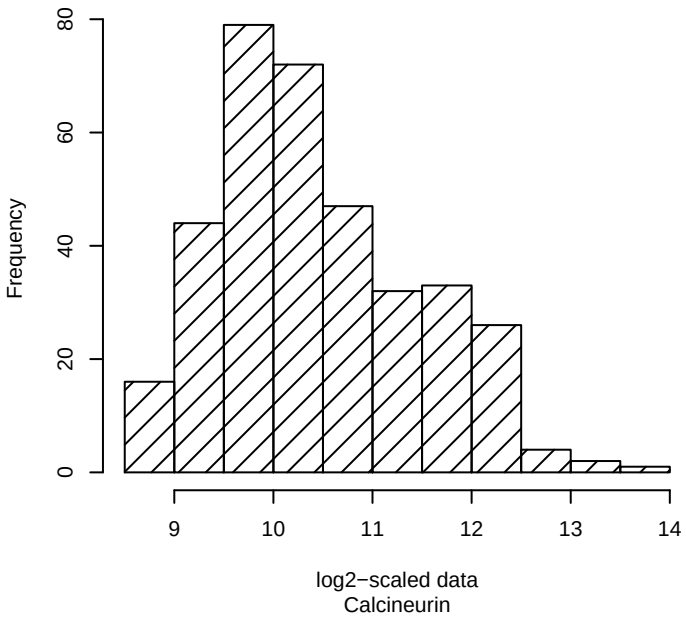
Calcineurin (Uniprot: Q08209 P63098, ProbeID: 4903−72_



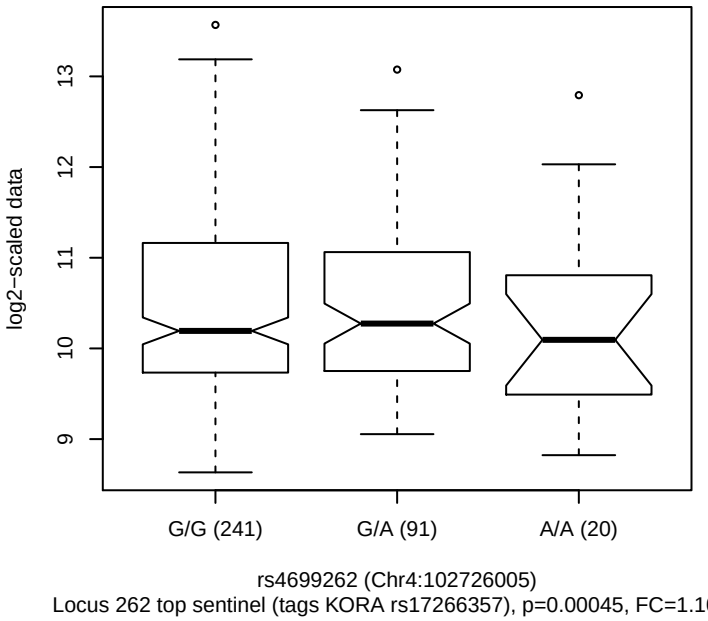
Calcineurin (Uniprot: Q08209 P63098, ProbeID: 4903−72_



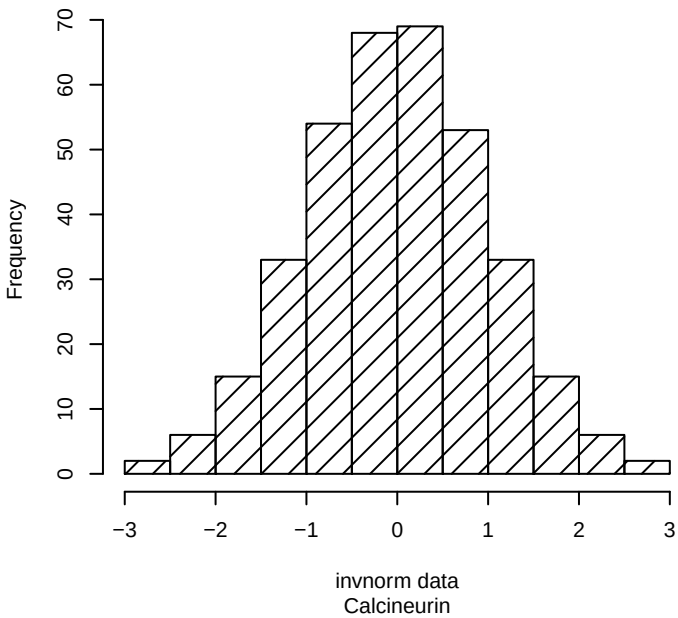
Calcineurin (Uniprot: Q08209 P63098, ProbeID: 4903−72_



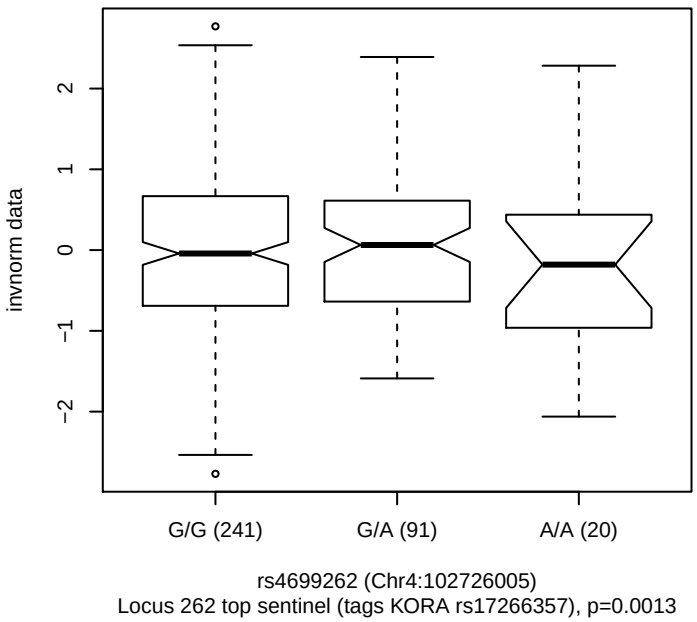
Calcineurin (Uniprot: Q08209 P63098, ProbeID: 4903−72_

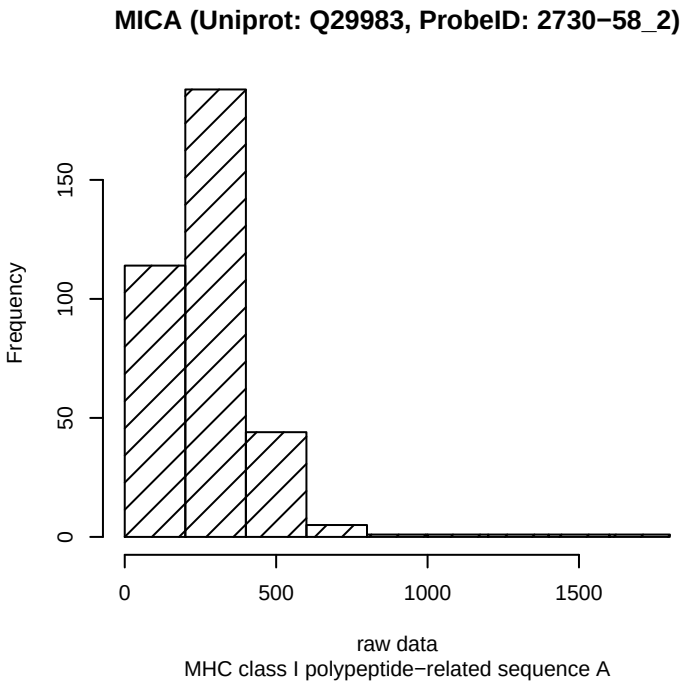


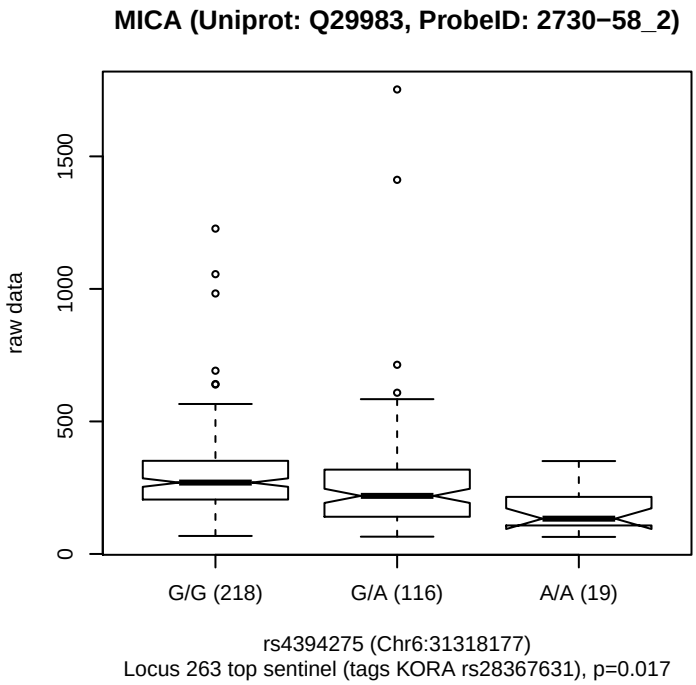
Calcineurin (Uniprot: Q08209 P63098, ProbeID: 4903−72_

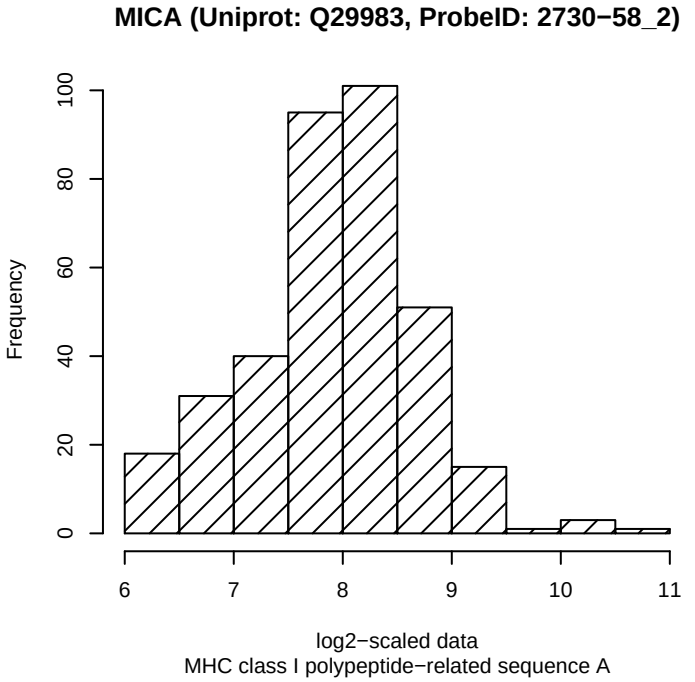


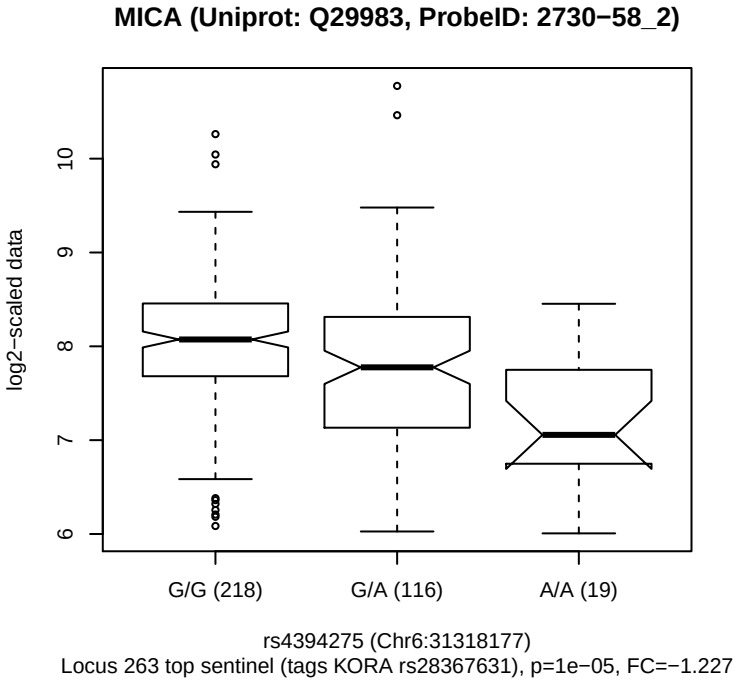
Calcineurin (Uniprot: Q08209 P63098, ProbeID: 4903−72_

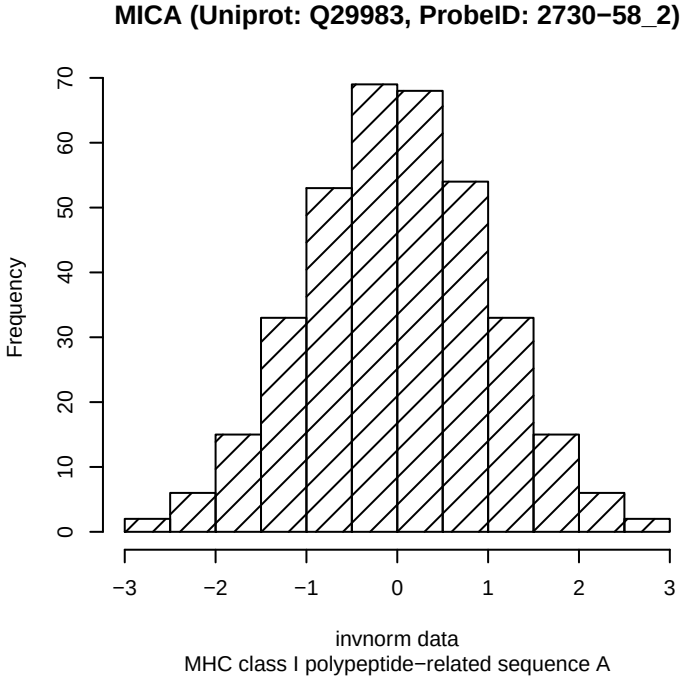


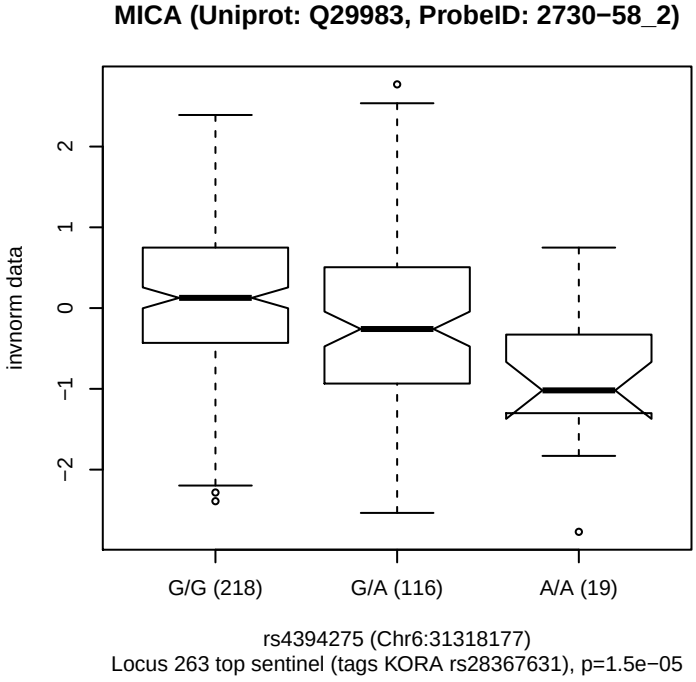

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
0
500
1000
1500
raw data
MHC class I polypeptide−related sequence A

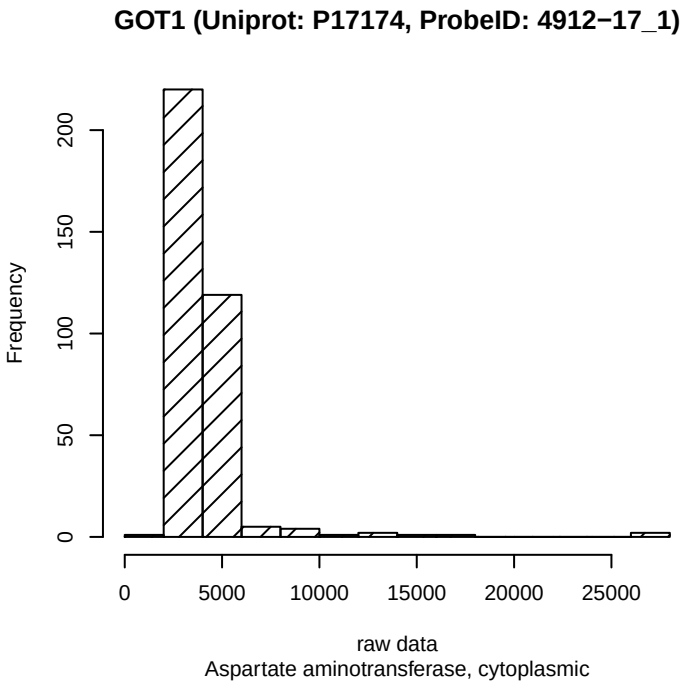

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
raw data
0
500
1000
1500
G/G (218)
G/A (116)
A/A (19)
rs4394275 (Chr6:31318177)
Locus 263 top sentinel (tags KORA rs28367631), p=0.017

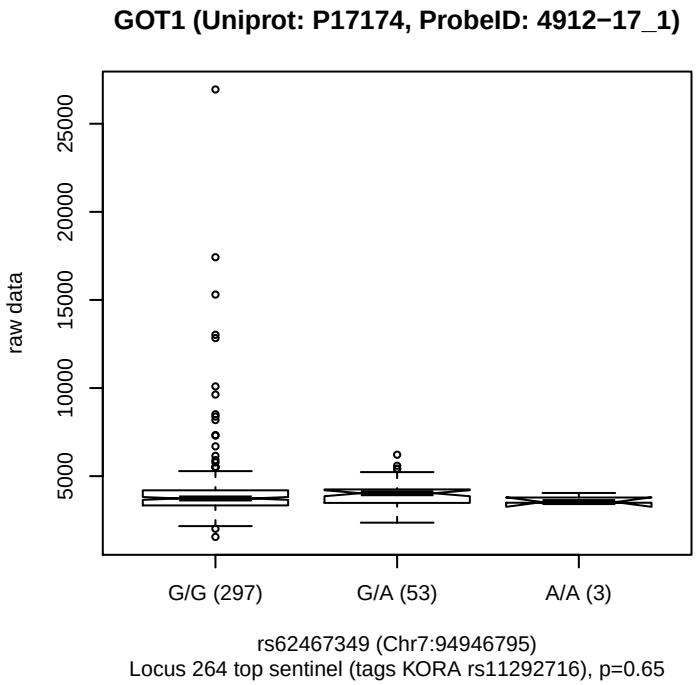

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
20
40
60
80
100
6
7
8
9
10
11
log2−scaled data
MHC class I polypeptide−related sequence A

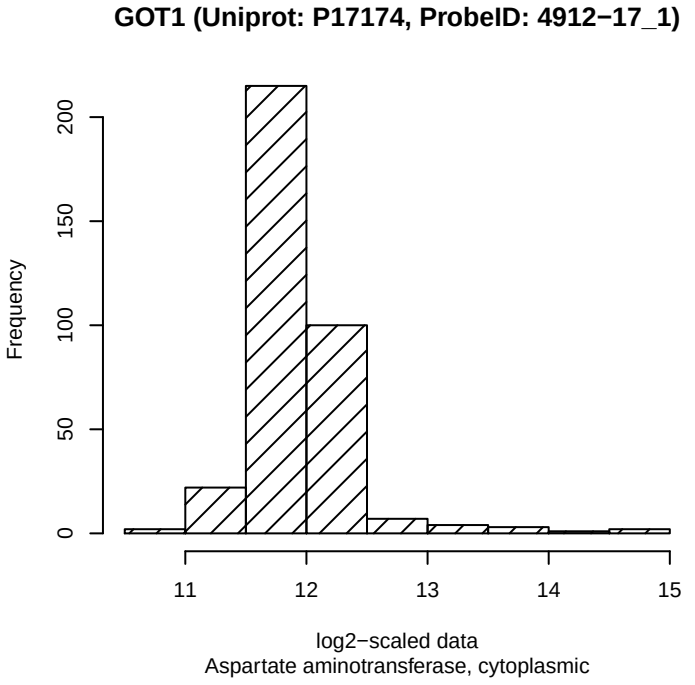

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
log2−scaled data
6
7
8
9
10
G/G (218)
G/A (116)
A/A (19)
rs4394275 (Chr6:31318177)
Locus 263 top sentinel (tags KORA rs28367631), p=1e−05, FC=−1.227

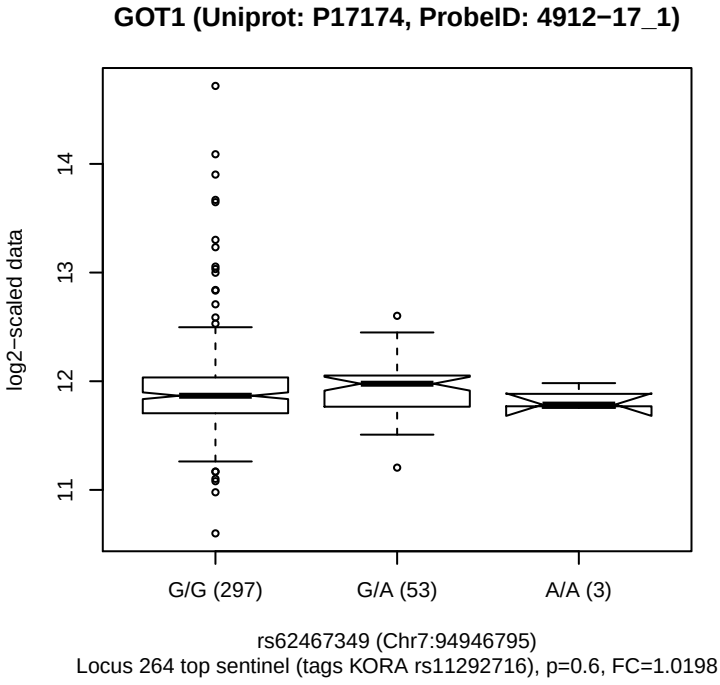

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence A

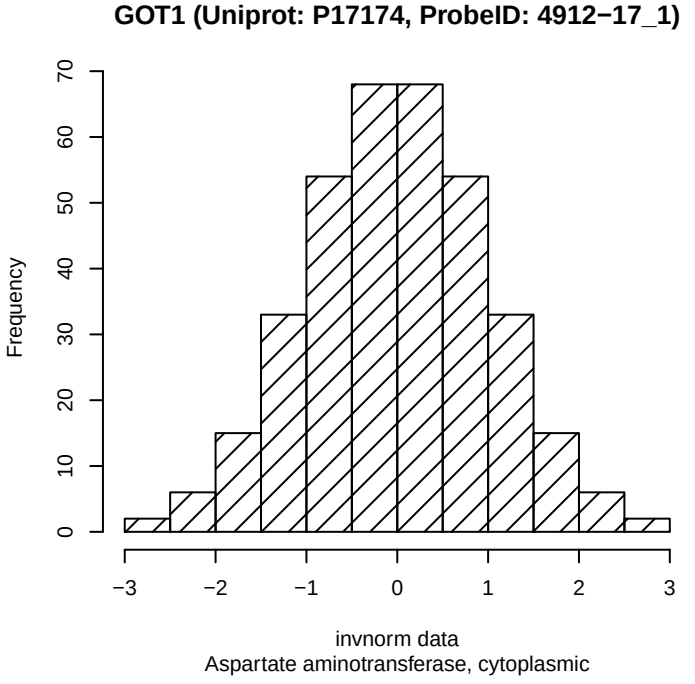

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
invnorm data
−2
−1
0
1
2
G/G (218)
G/A (116)
A/A (19)
rs4394275 (Chr6:31318177)
Locus 263 top sentinel (tags KORA rs28367631), p=1.5e−05

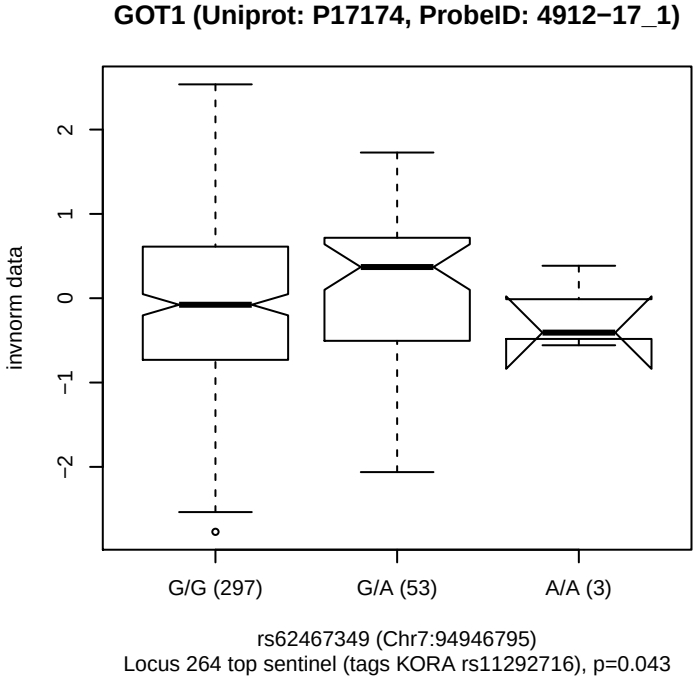

GOT1 (Uniprot: P17174, ProbeID: 4912−17_1)
Frequency
0
50
100
150
200
0
5000
10000
15000
20000
25000
raw data
Aspartate aminotransferase, cytoplasmic


GOT1 (Uniprot: P17174, ProbeID: 4912−17_1)
raw data
5000
10000
15000
20000
25000
G/G (297)
G/A (53)
A/A (3)
rs62467349 (Chr7:94946795)
Locus 264 top sentinel (tags KORA rs11292716), p=0.65

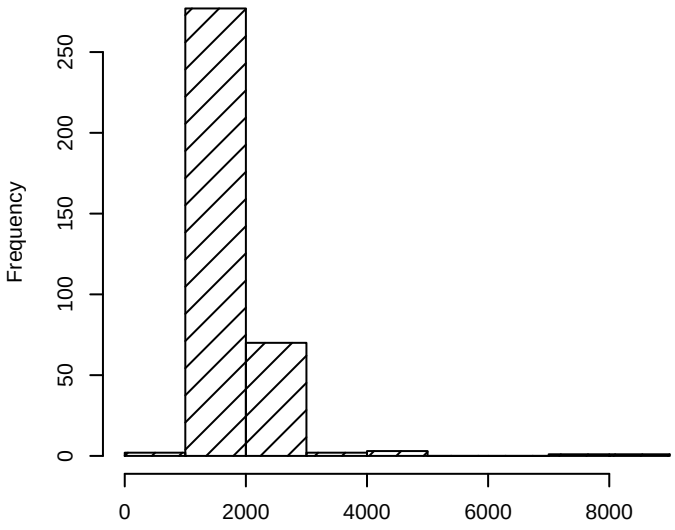

GOT1 (Uniprot: P17174, ProbeID: 4912−17_1)
Frequency
0
50
100
150
200
11
12
13
14
15
log2−scaled data
Aspartate aminotransferase, cytoplasmic


GOT1 (Uniprot: P17174, ProbeID: 4912−17_1)
log2−scaled data
11
12
13
14
G/G (297)
G/A (53)
A/A (3)
rs62467349 (Chr7:94946795)
Locus 264 top sentinel (tags KORA rs11292716), p=0.6, FC=1.0198


GOT1 (Uniprot: P17174, ProbeID: 4912−17_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Aspartate aminotransferase, cytoplasmic

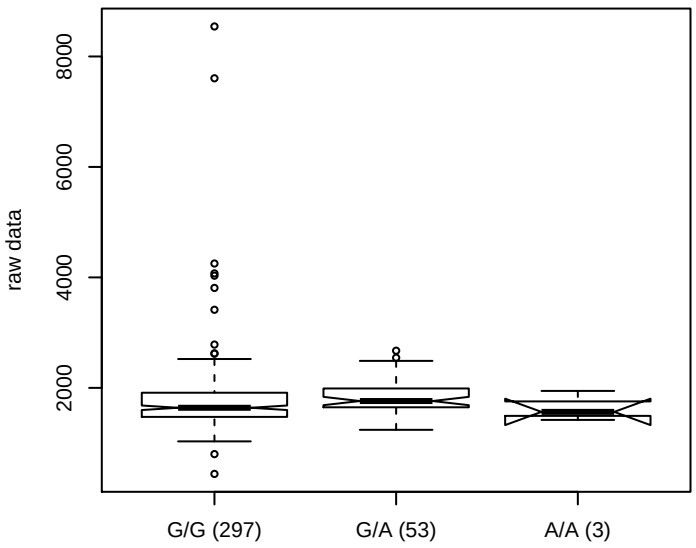

GOT1 (Uniprot: P17174, ProbeID: 4912−17_1)
invnorm data
−2
−1
0
1
2
G/G (297)
G/A (53)
A/A (3)
rs62467349 (Chr7:94946795)
Locus 264 top sentinel (tags KORA rs11292716), p=0.043

LCMT1 (Uniprot: Q9UIC8, ProbeID: 4237−70_3)



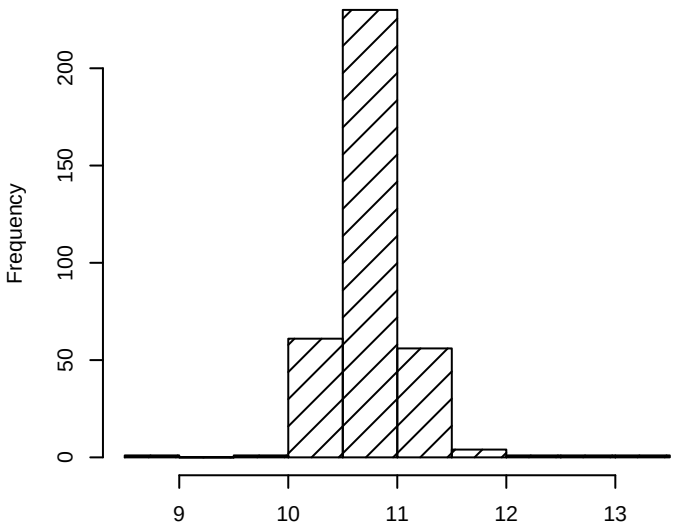
raw data
Leucine carboxyl methyltransferase 1

LCMT1 (Uniprot: Q9UIC8, ProbeID: 4237−70_3)



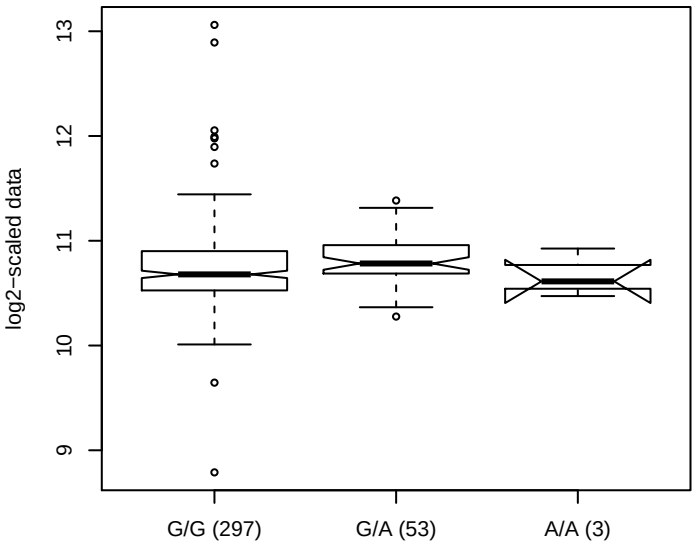
rs62467349 (Chr7:94946795)
Locus 264 sentinel (tags KORA rs11292716), p=0.8

LCMT1 (Uniprot: Q9UIC8, ProbeID: 4237−70_3)



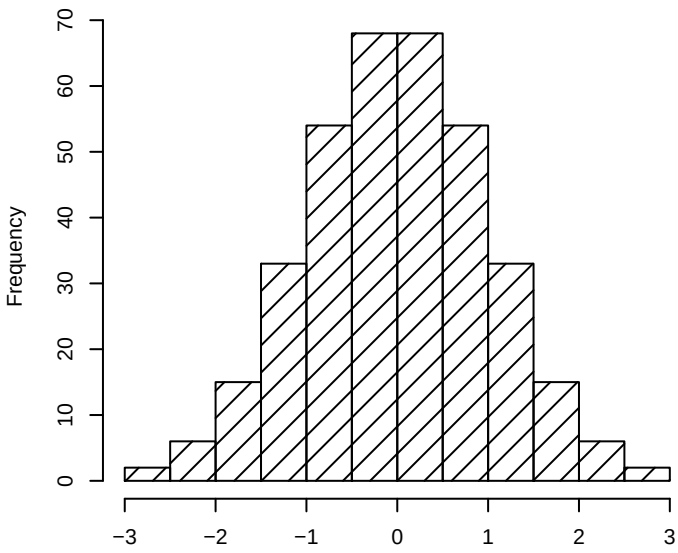
log2−scaled data
Leucine carboxyl methyltransferase 1

LCMT1 (Uniprot: Q9UIC8, ProbeID: 4237−70_3)



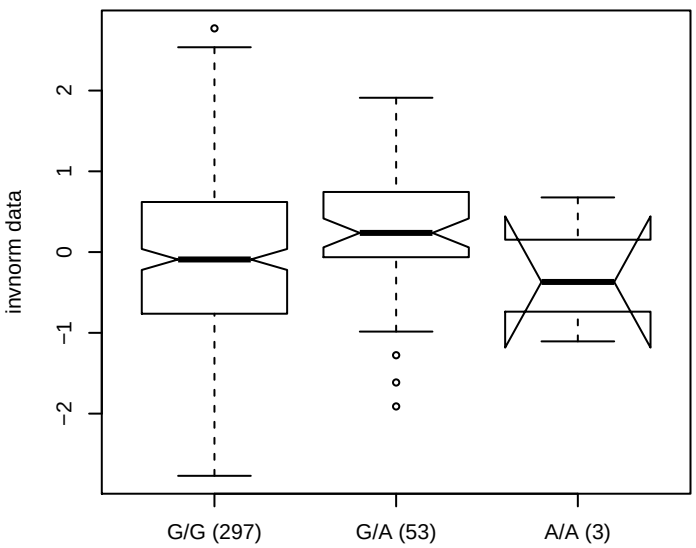
rs62467349 (Chr7:94946795)
Locus 264 sentinel (tags KORA rs11292716), p=0.28, FC=1.0341

LCMT1 (Uniprot: Q9UIC8, ProbeID: 4237−70_3)



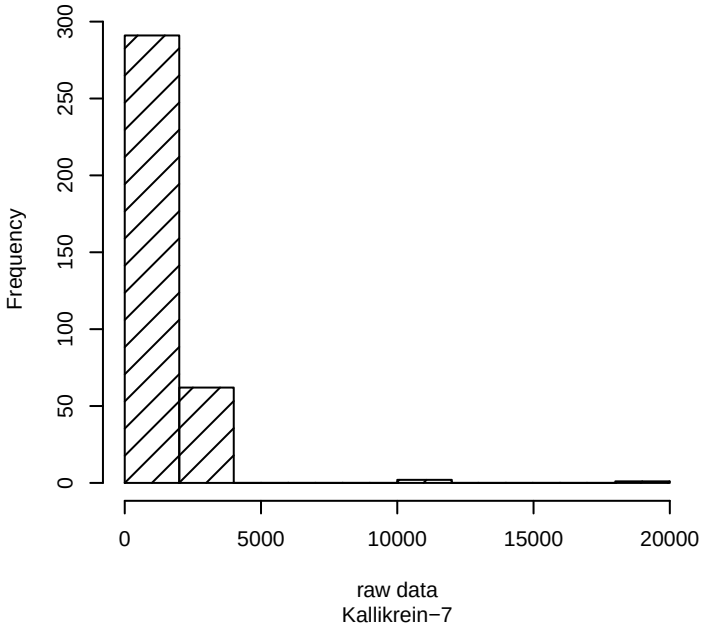
invnorm data
Leucine carboxyl methyltransferase 1

LCMT1 (Uniprot: Q9UIC8, ProbeID: 4237−70_3)

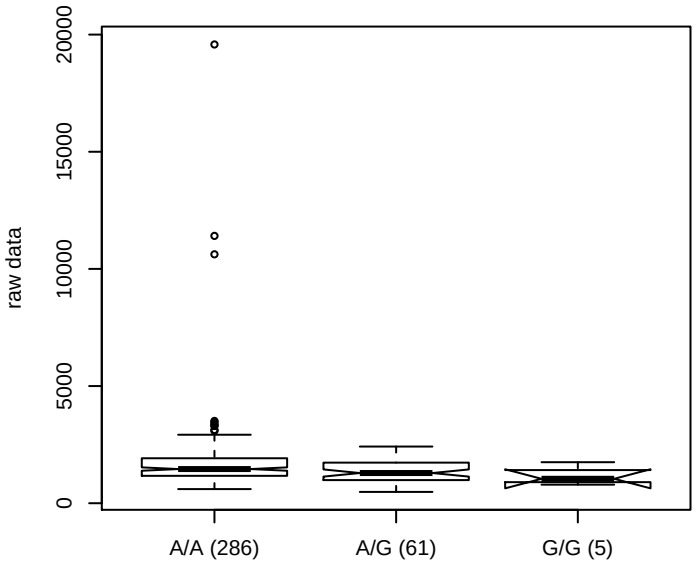


rs62467349 (Chr7:94946795)
Locus 264 sentinel (tags KORA rs11292716), p=0.043

Kallikrein 7 (Uniprot: P49862, ProbeID: 3378−49_2)

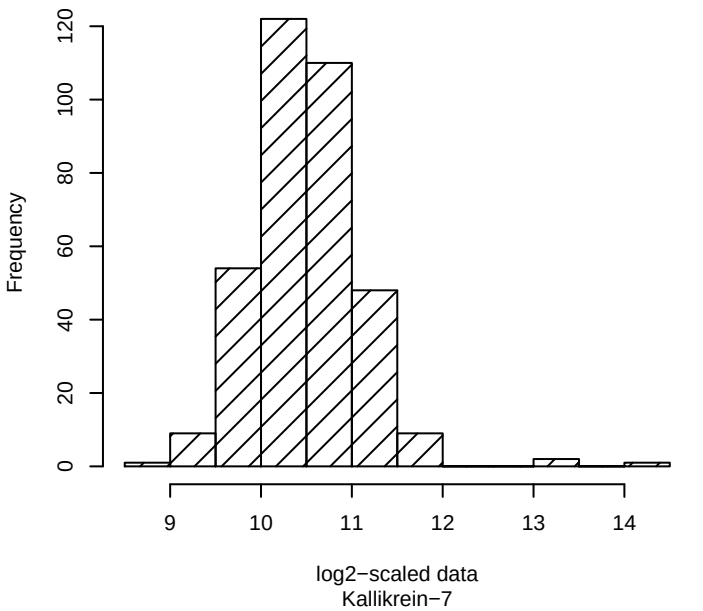


Kallikrein 7 (Uniprot: P49862, ProbeID: 3378−49_2)

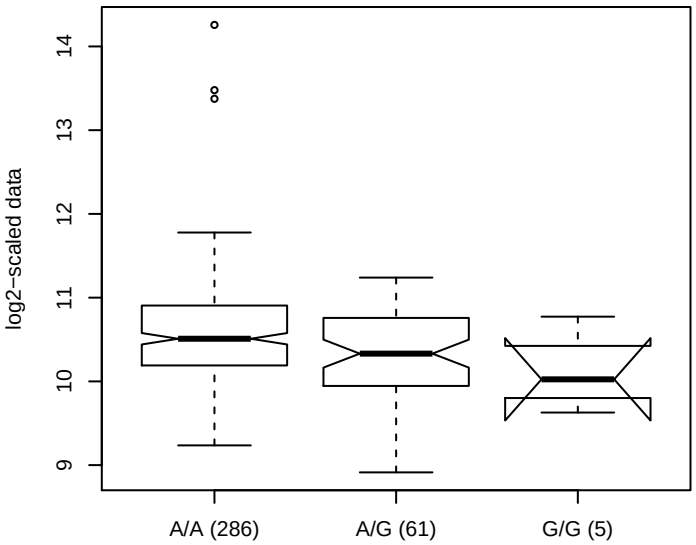


rs1654523 (Chr19:51485194)
Locus 265 top sentinel (tags KORA rs2659067), p=0.087

Kallikrein 7 (Uniprot: P49862, ProbeID: 3378−49_2)

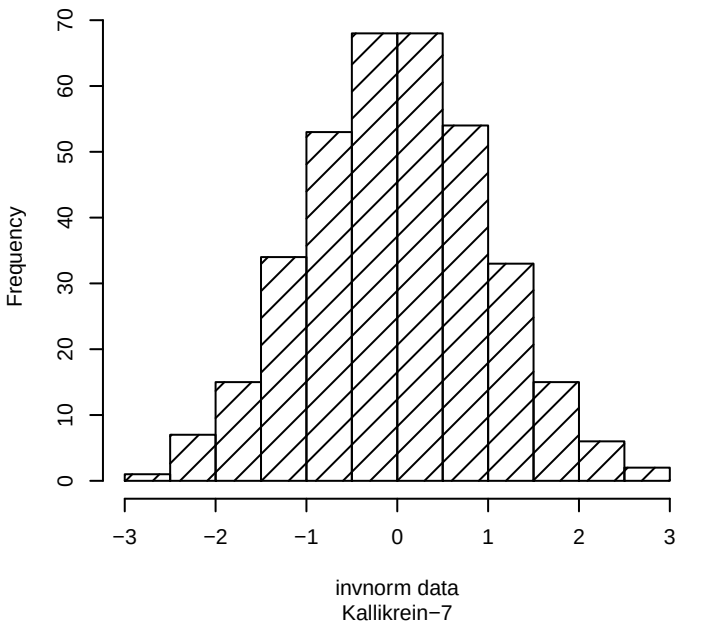


Kallikrein 7 (Uniprot: P49862, ProbeID: 3378−49_2)

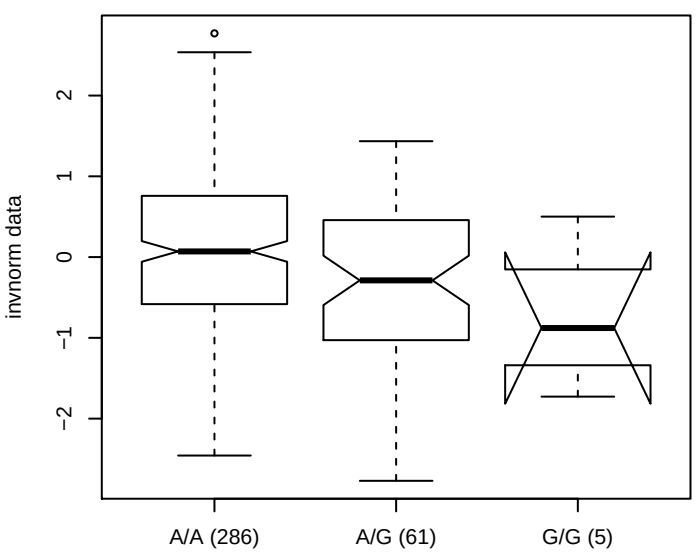


rs1654523 (Chr19:51485194)
Locus 265 top sentinel (tags KORA rs2659067), p=0.0047, FC=−1.1625

Kallikrein 7 (Uniprot: P49862, ProbeID: 3378−49_2)

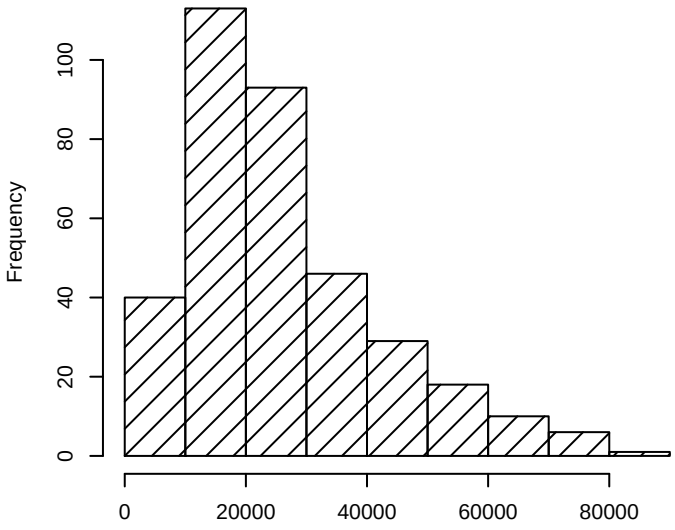


Kallikrein 7 (Uniprot: P49862, ProbeID: 3378−49_2)

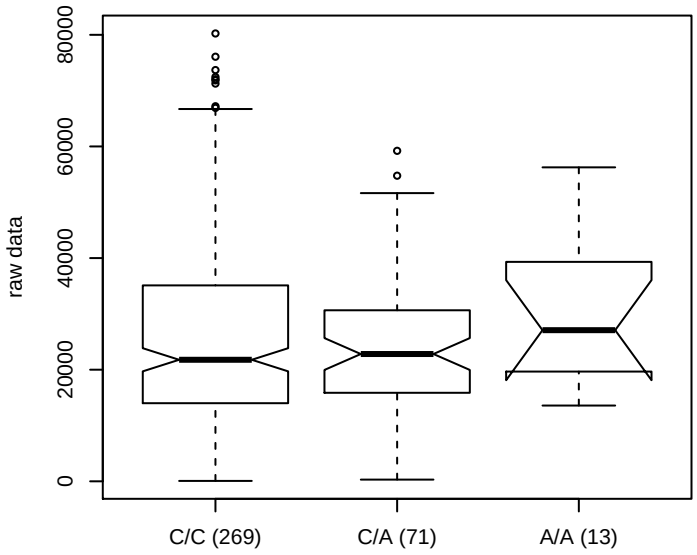


rs1654523 (Chr19:51485194)
Locus 265 top sentinel (tags KORA rs2659067), p=0.0026

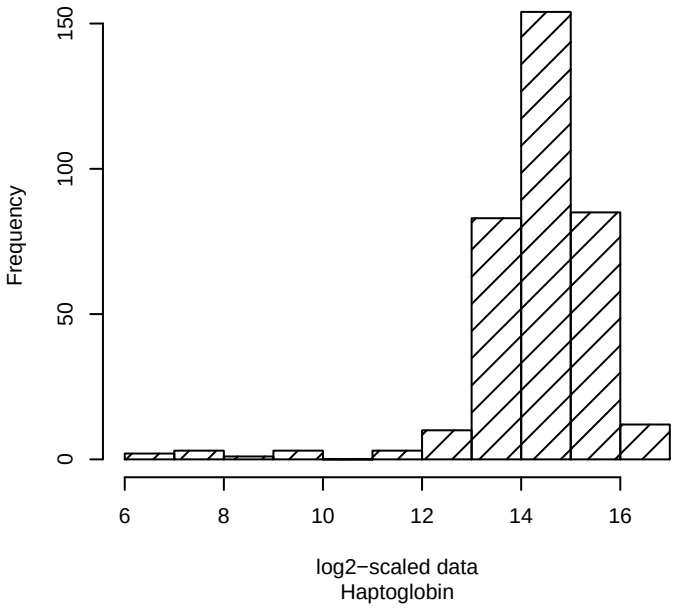
Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−3



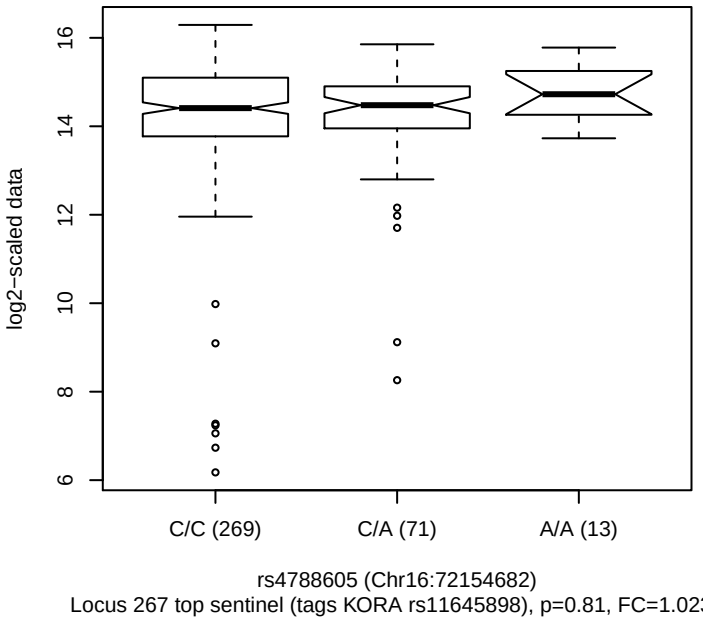
Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−3



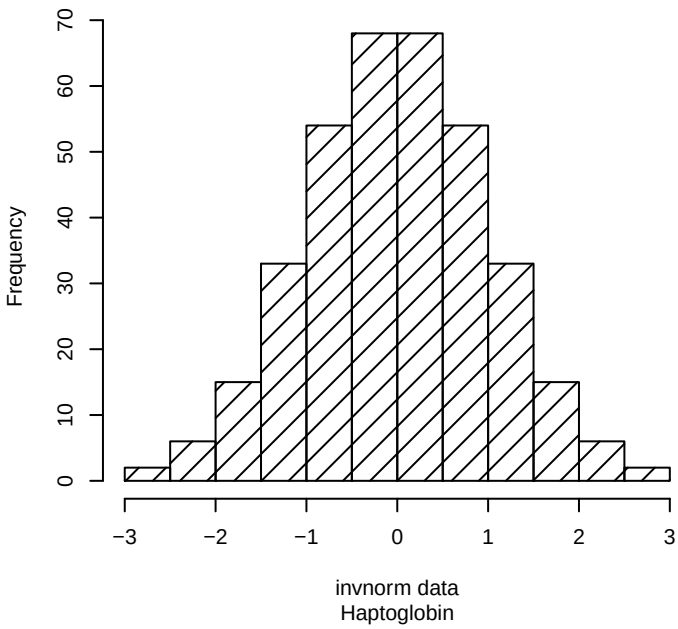
Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−3



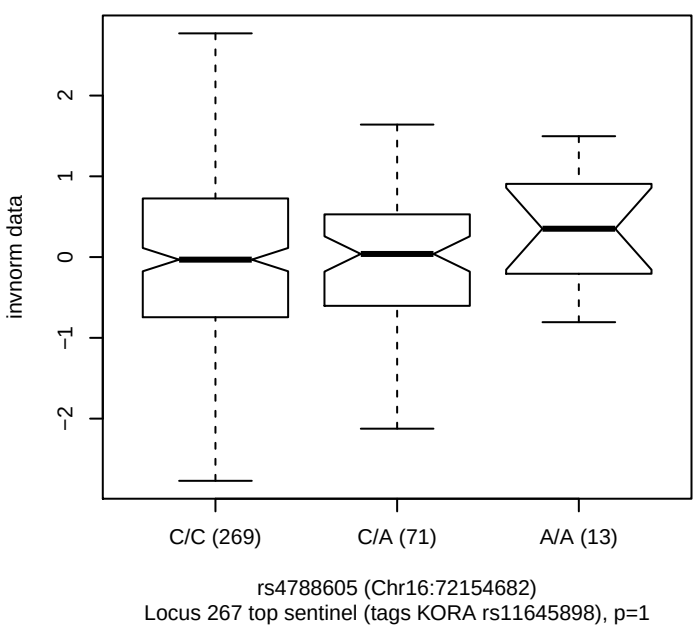
Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−3

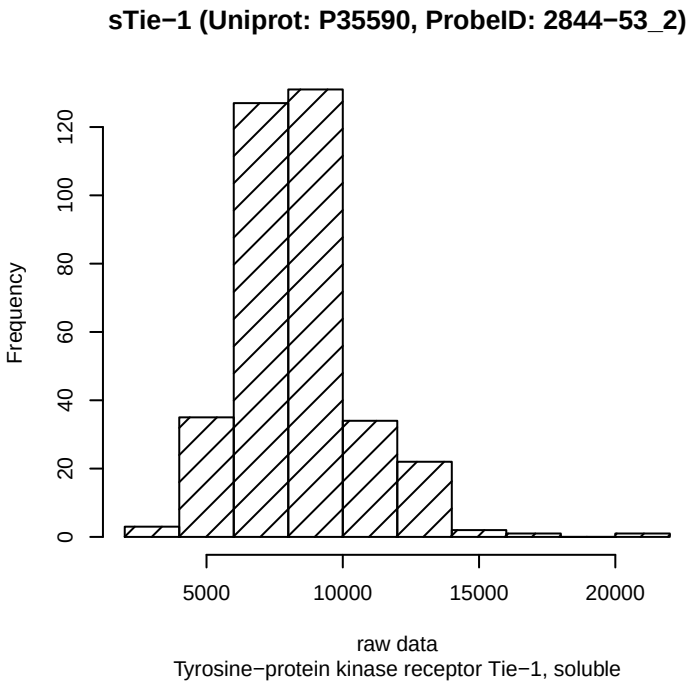


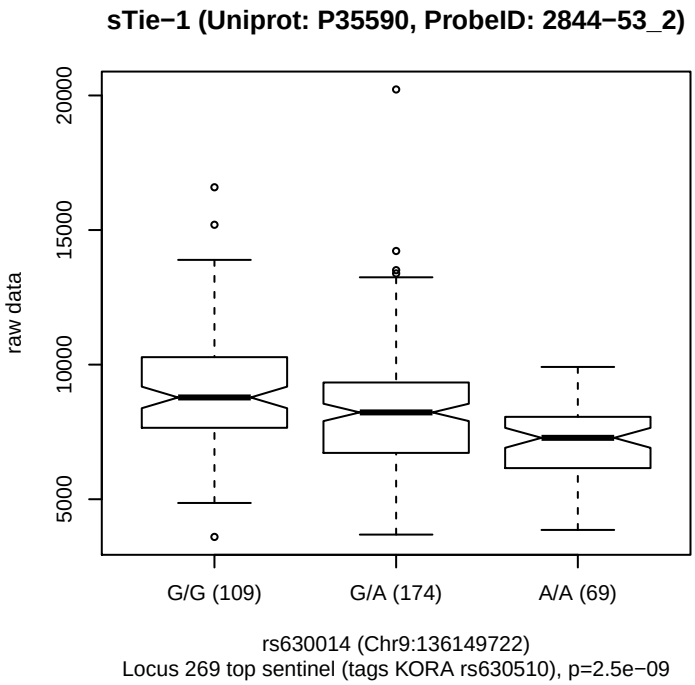
Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−3

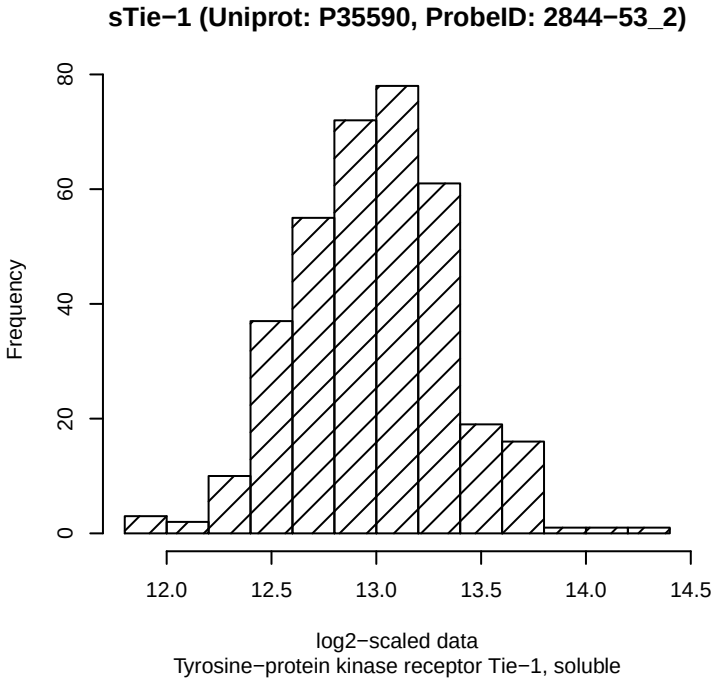


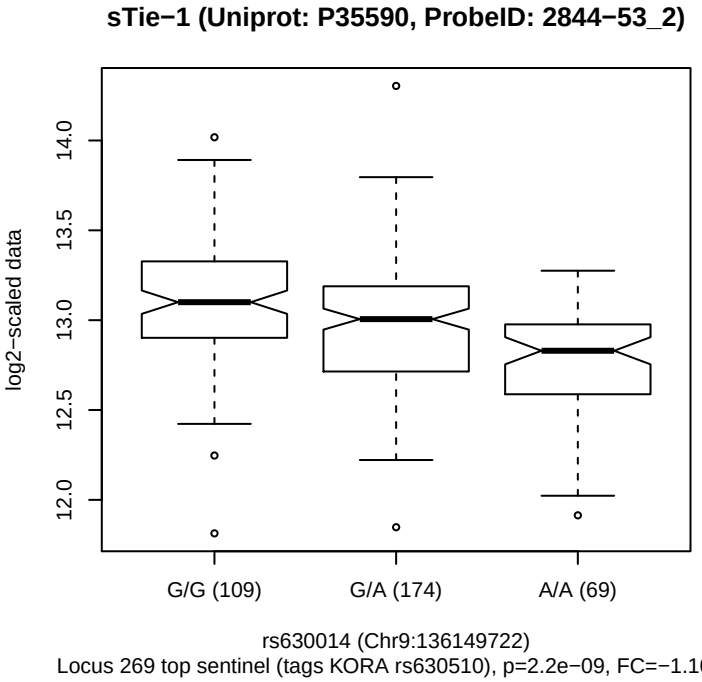
Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−3

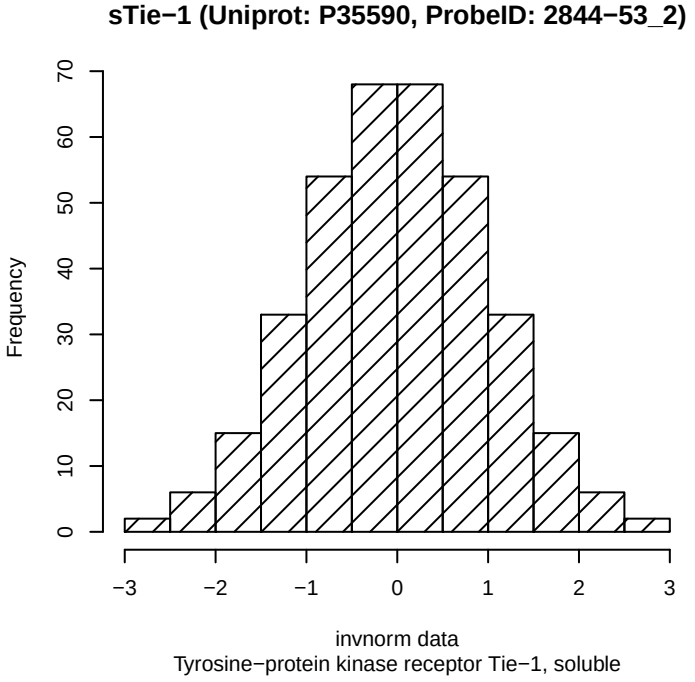


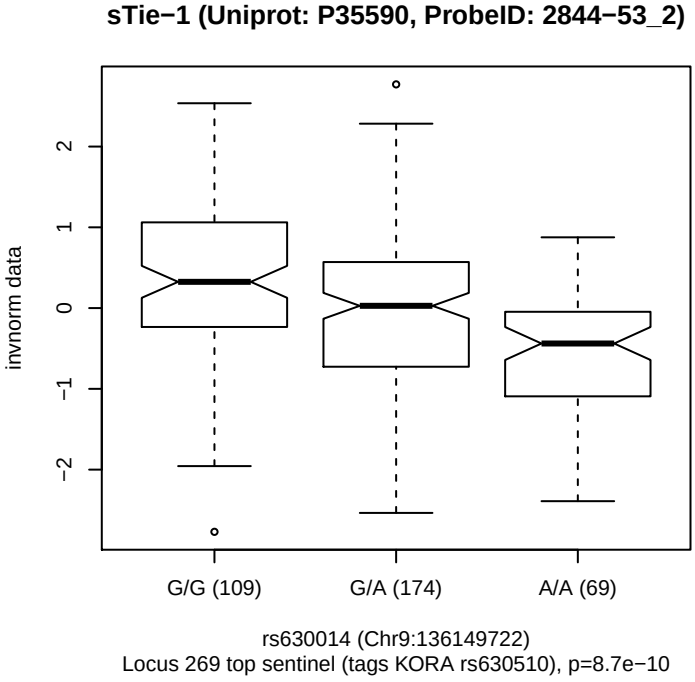

sTie−1 (Uniprot: P35590, ProbeID: 2844−53_2)
Frequency
0
20
40
60
80
100
120
5000
10000
15000
20000
raw data
Tyrosine−protein kinase receptor Tie−1, soluble


sTie−1 (Uniprot: P35590, ProbeID: 2844−53_2)
raw data
5000
10000
15000
20000
G/G (109)
G/A (174)
A/A (69)
rs630014 (Chr9:136149722)
Locus 269 top sentinel (tags KORA rs630510), p=2.5e−09

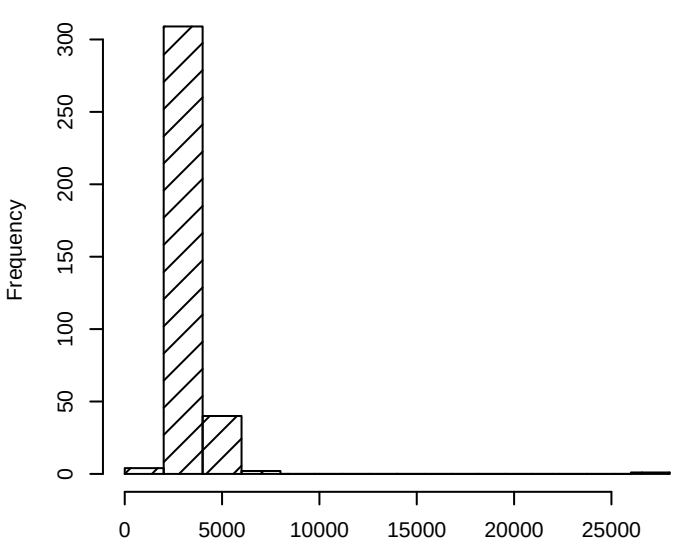

sTie−1 (Uniprot: P35590, ProbeID: 2844−53_2)
Frequency
0
20
40
60
80
12.0
12.5
13.0
13.5
14.0
14.5
log2−scaled data
Tyrosine−protein kinase receptor Tie−1, soluble

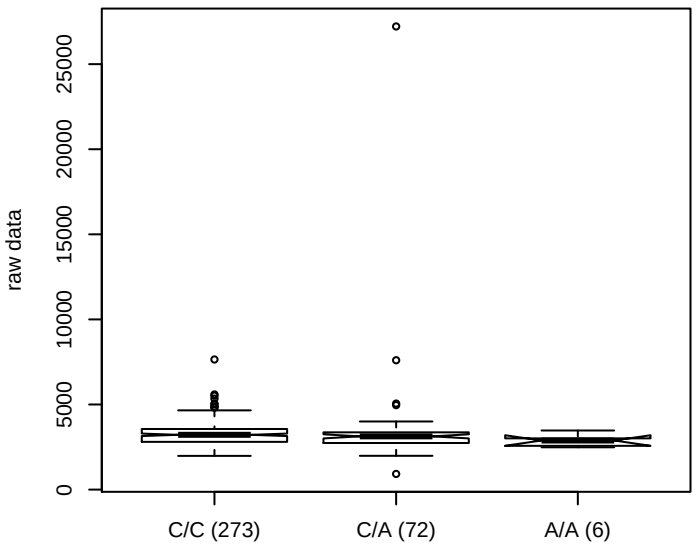

sTie−1 (Uniprot: P35590, ProbeID: 2844−53_2)
log2−scaled data
12.0
12.5
13.0
13.5
14.0
G/G (109)
G/A (174)
A/A (69)
rs630014 (Chr9:136149722)
Locus 269 top sentinel (tags KORA rs630510), p=2.2e−09, FC=−1.1026


sTie−1 (Uniprot: P35590, ProbeID: 2844−53_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Tyrosine−protein kinase receptor Tie−1, soluble

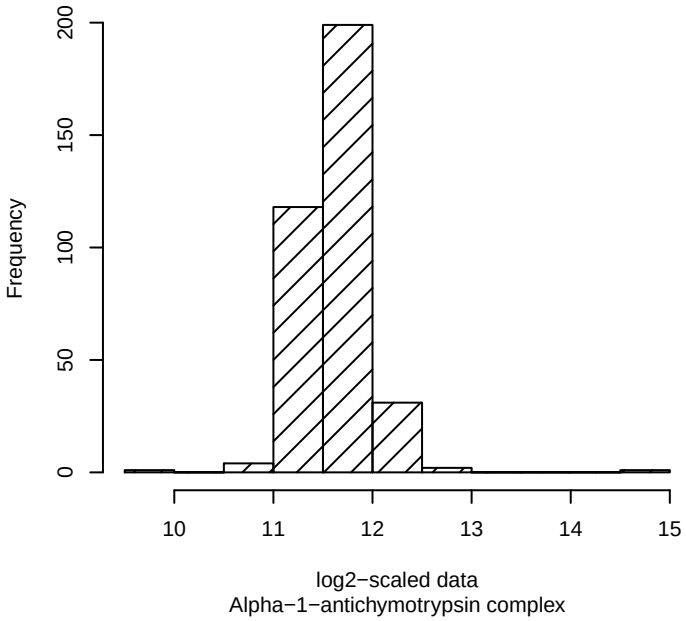

sTie−1 (Uniprot: P35590, ProbeID: 2844−53_2)
invnorm data
−2
−1
0
1
2
G/G (109)
G/A (174)
A/A (69)
rs630014 (Chr9:136149722)
Locus 269 top sentinel (tags KORA rs630510), p=8.7e−10

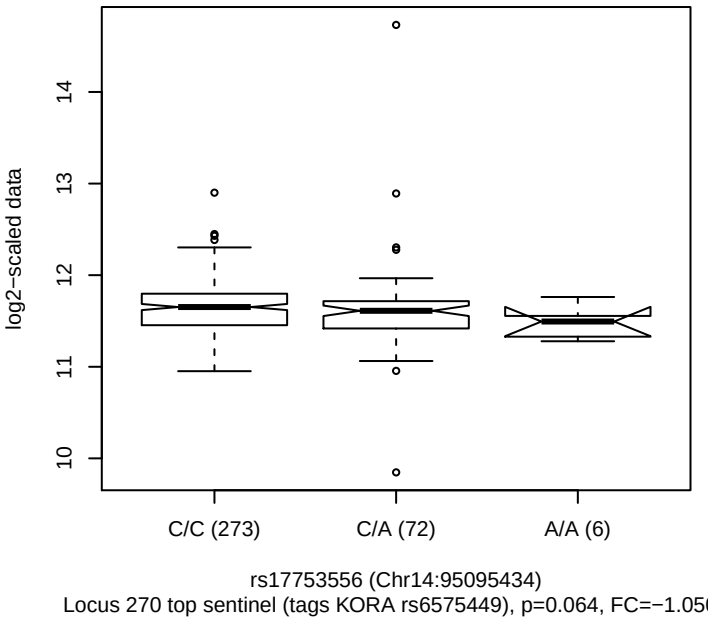
-1−antichymotrypsin complex (Uniprot: P01011, ProbeID: 4-1−antichymotrypsin complex (Uniprot: P01011, ProbeID: 4



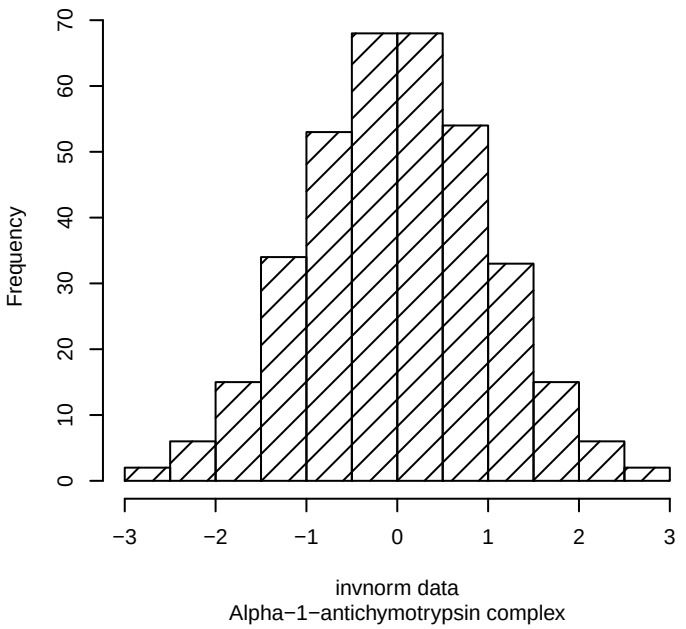


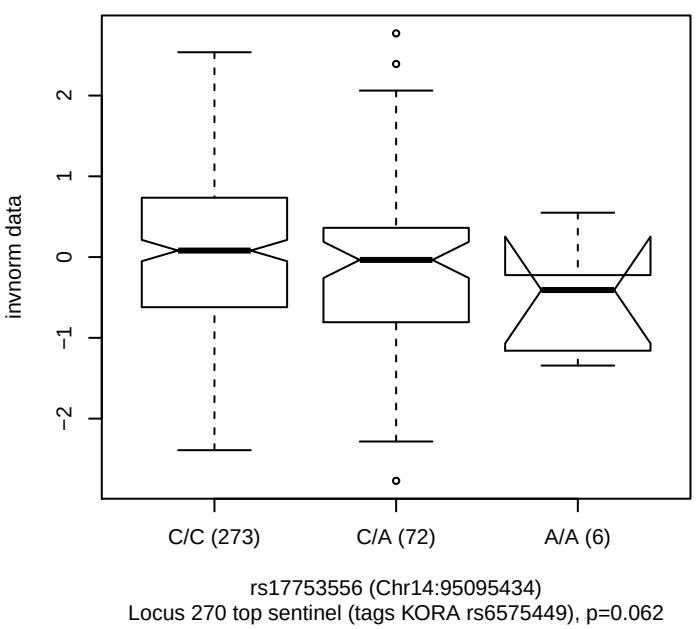
-1−antichymotrypsin complex (Uniprot: P01011, ProbeID: 4-1−antichymotrypsin complex (Uniprot: P01011, ProbeID: 4



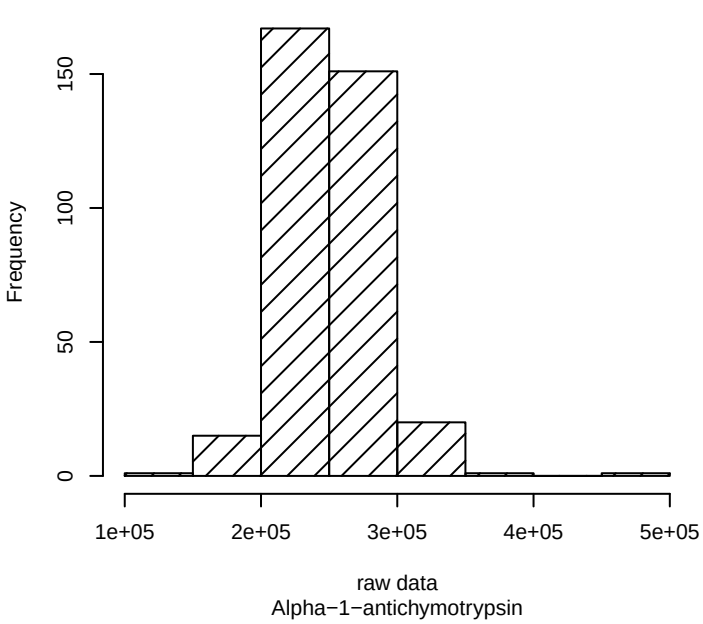


-1−antichymotrypsin complex (Uniprot: P01011, ProbeID: 4-1−antichymotrypsin complex (Uniprot: P01011, ProbeID: 4

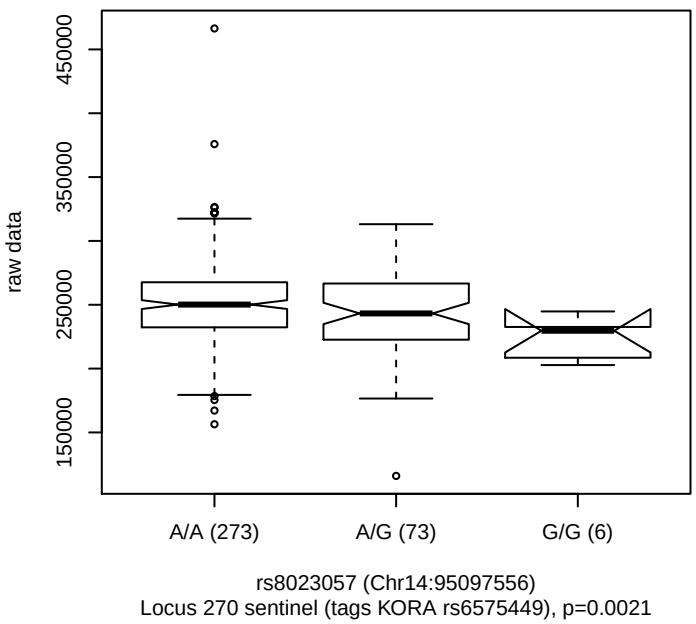




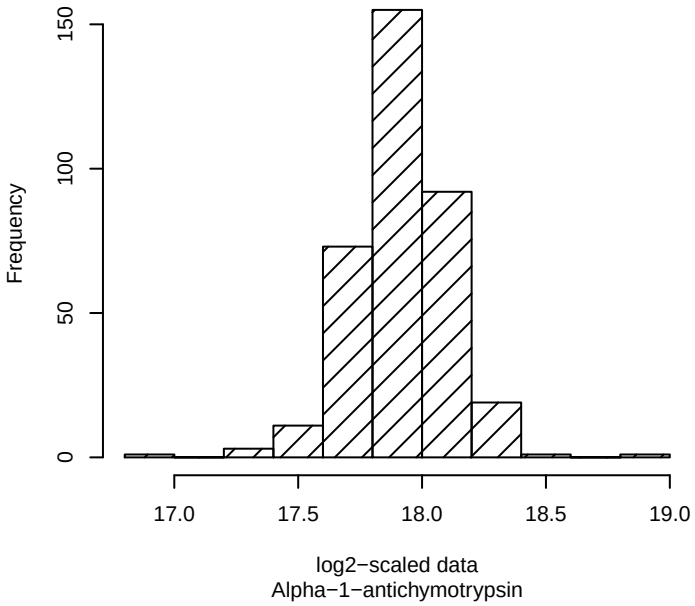
a1−Antichymotrypsin (Uniprot: P01011, ProbeID: 2879−9_



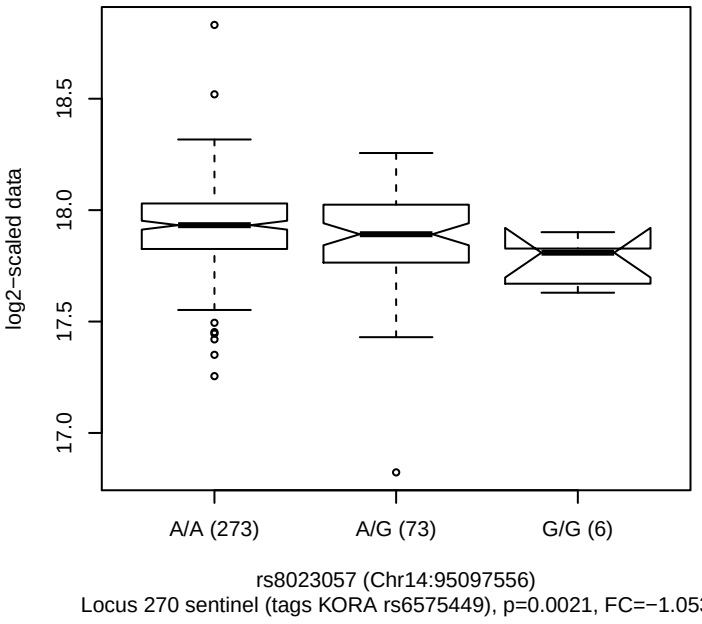
a1−Antichymotrypsin (Uniprot: P01011, ProbeID: 2879−9_



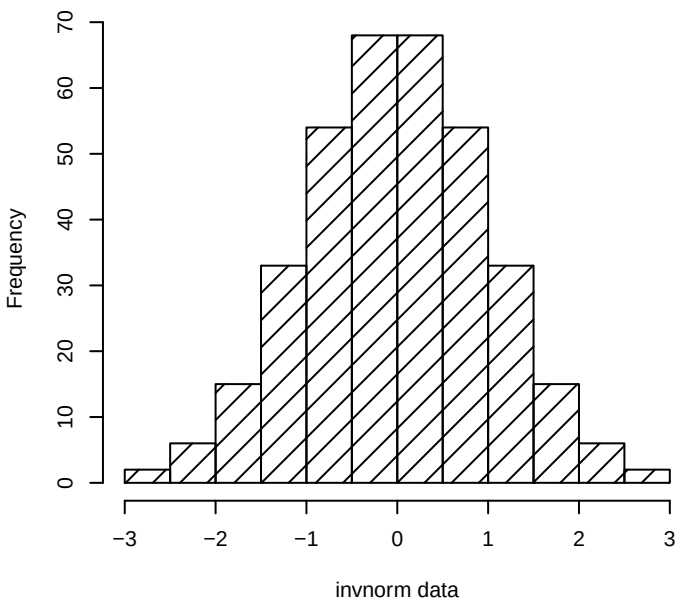
a1−Antichymotrypsin (Uniprot: P01011, ProbeID: 2879−9_



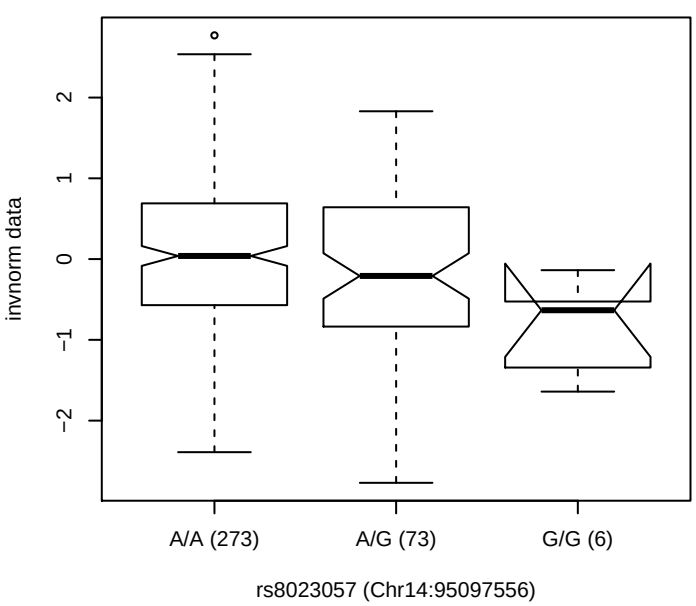
a1−Antichymotrypsin (Uniprot: P01011, ProbeID: 2879−9_

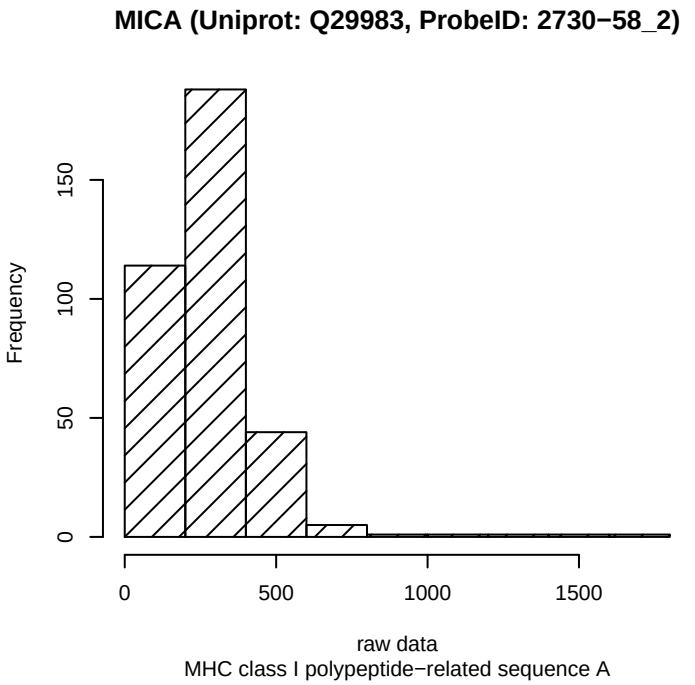


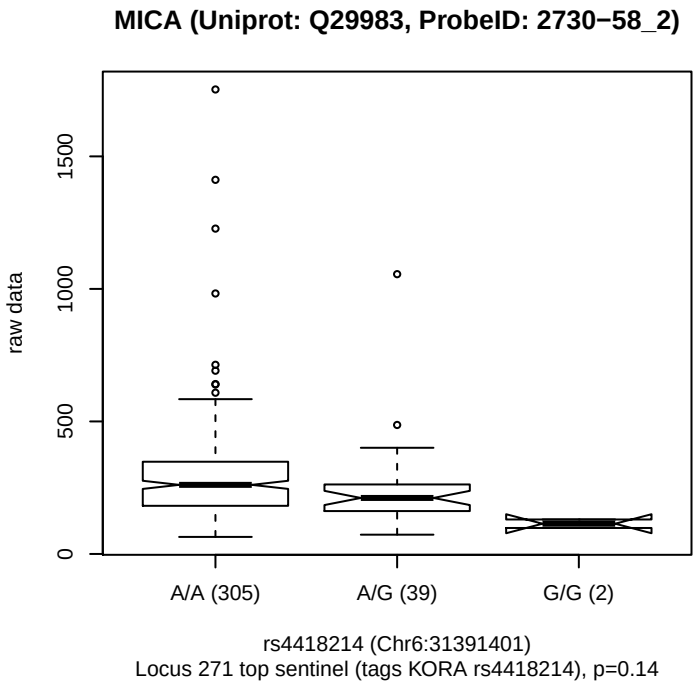
a1−Antichymotrypsin (Uniprot: P01011, ProbeID: 2879−9_

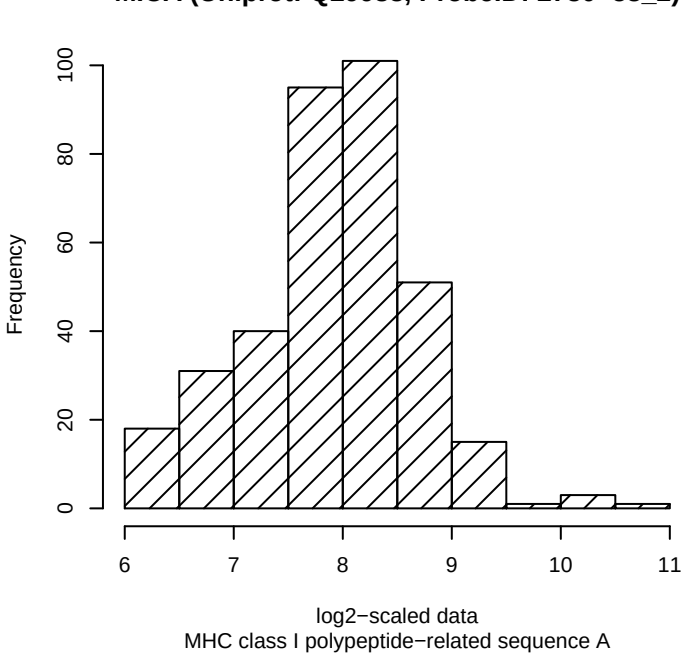


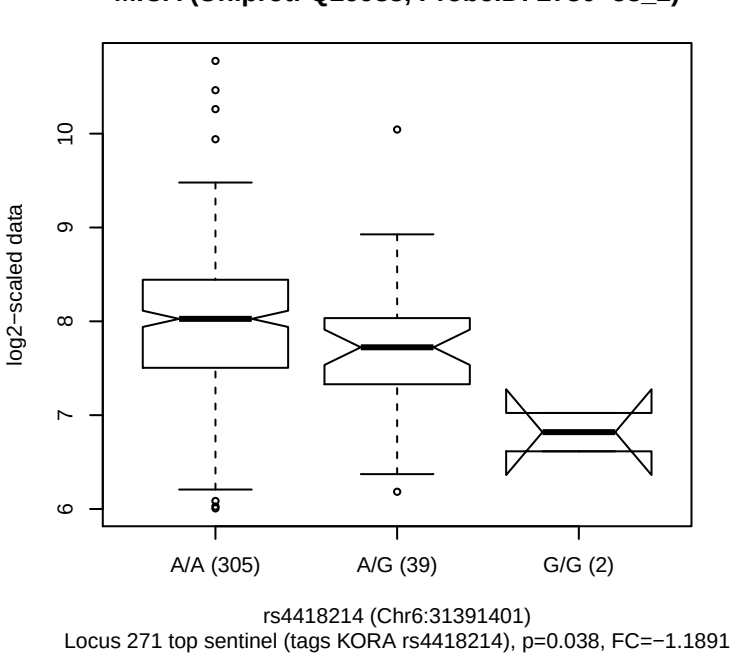
a1−Antichymotrypsin (Uniprot: P01011, ProbeID: 2879−9_

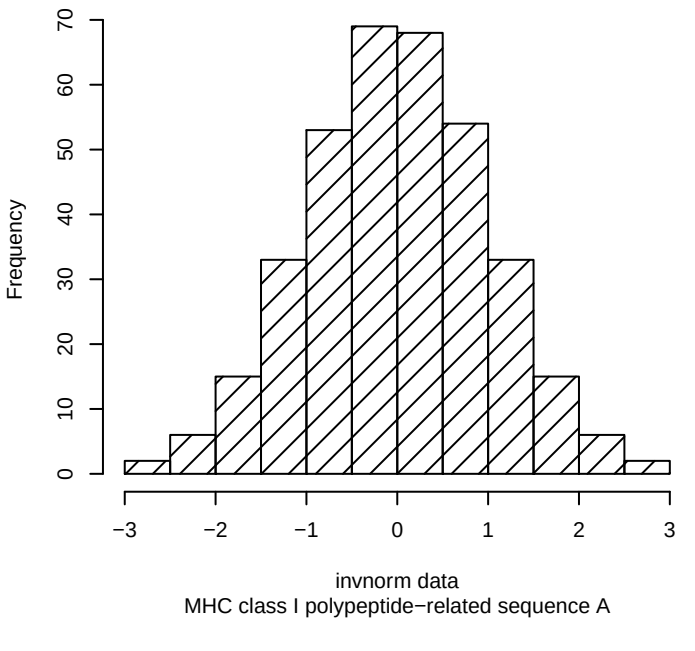


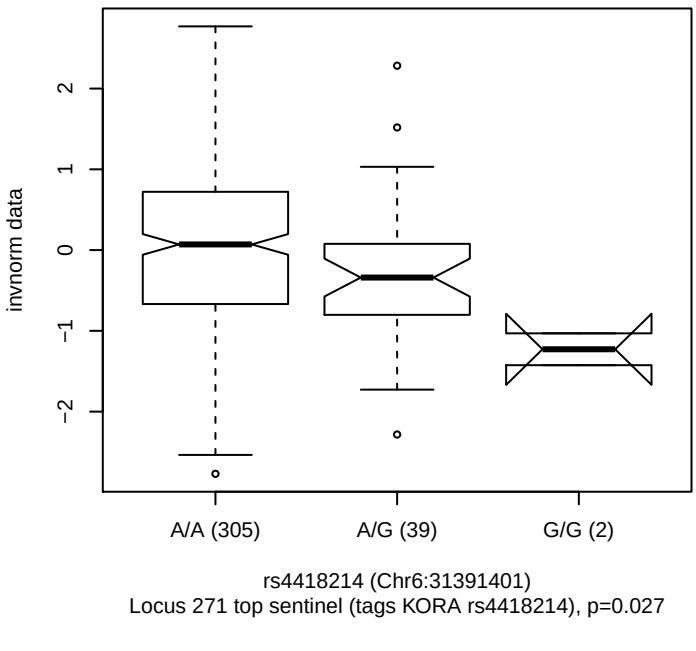

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
0
500
1000
1500
raw data
MHC class I polypeptide−related sequence A

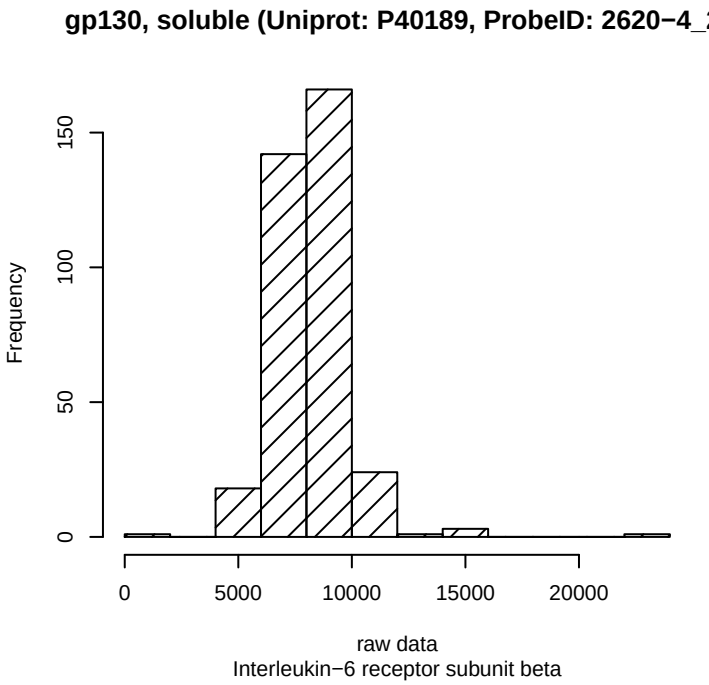

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
raw data
0
500
1000
1500
A/A (305)
A/G (39)
G/G (2)
rs4418214 (Chr6:31391401)
Locus 271 top sentinel (tags KORA rs4418214), p=0.14

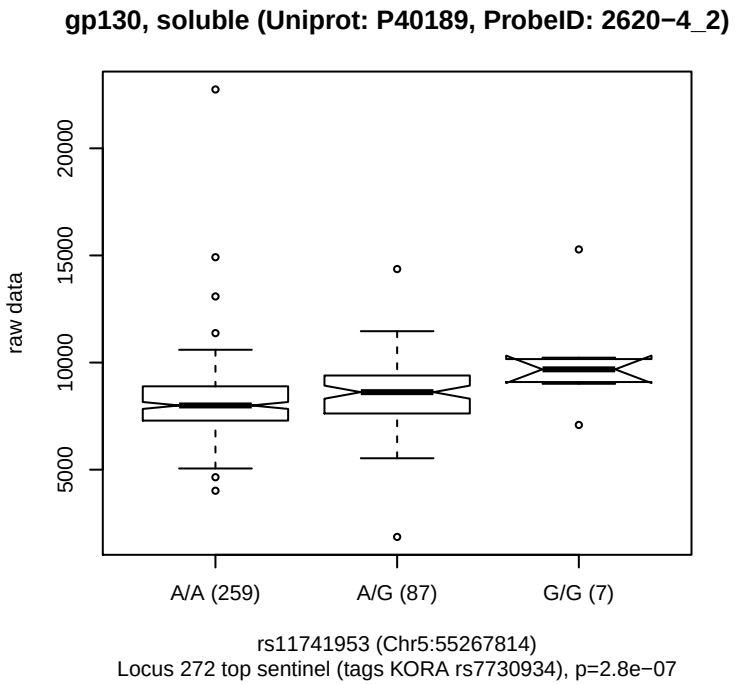

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
20
40
60
80
100
6
7
8
9
10
11
log2−scaled data
MHC class I polypeptide−related sequence A

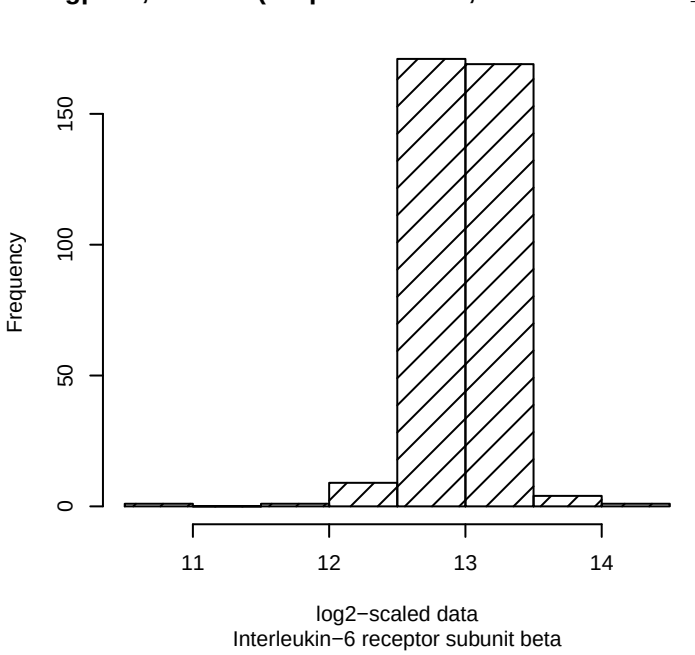

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
log2−scaled data
6
7
8
9
10
A/A (305)
A/G (39)
G/G (2)
rs4418214 (Chr6:31391401)
Locus 271 top sentinel (tags KORA rs4418214), p=0.038, FC=−1.1891

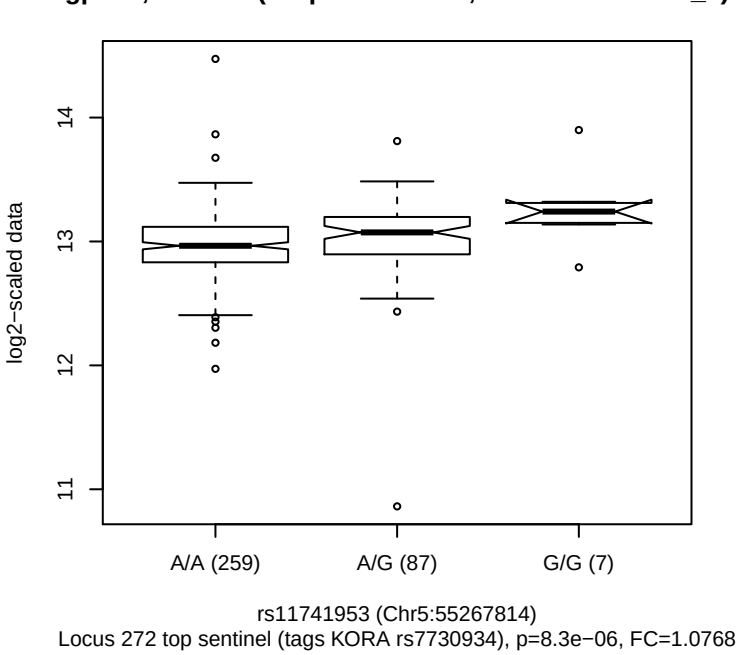

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence A

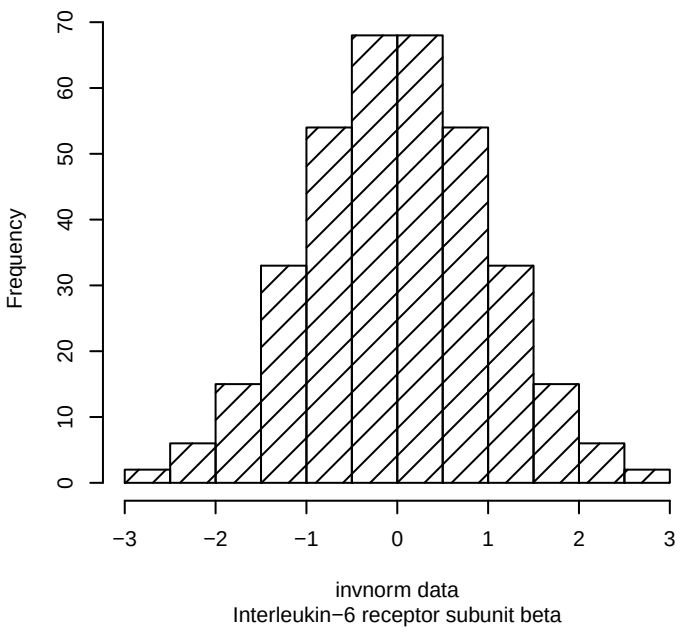

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
invnorm data
−2
−1
0
1
2
A/A (305)
A/G (39)
G/G (2)
rs4418214 (Chr6:31391401)
Locus 271 top sentinel (tags KORA rs4418214), p=0.027

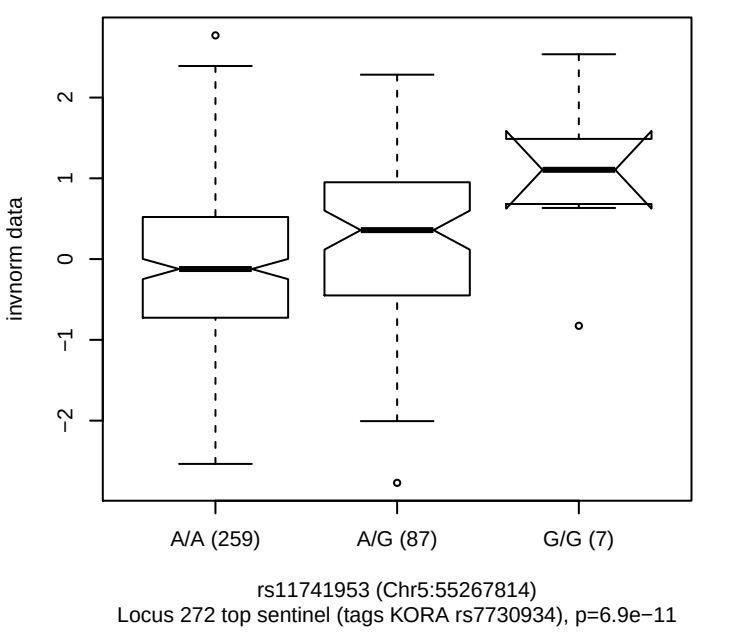

gp130, soluble (Uniprot: P40189, ProbeID: 2620−4_2)
Frequency
0
50
100
150
0
5000
10000
15000
20000
raw data
Interleukin−6 receptor subunit beta

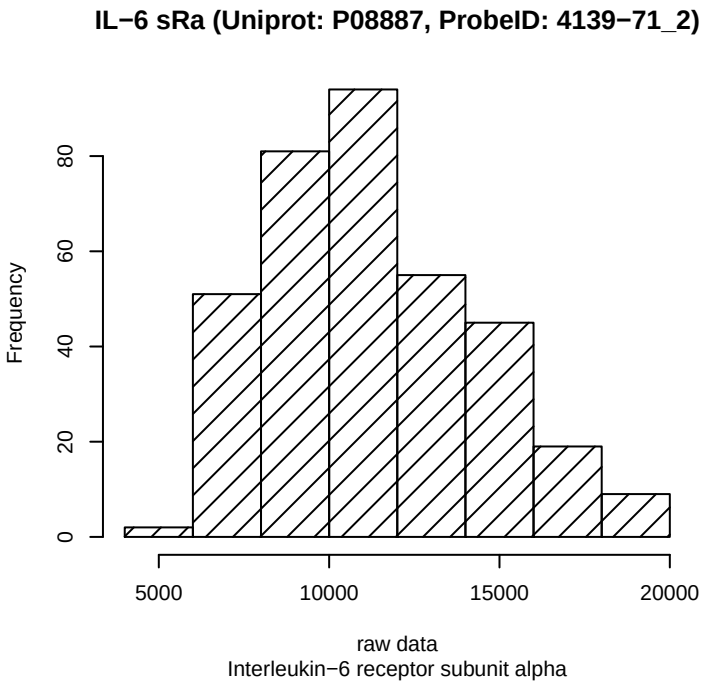

gp130, soluble (Uniprot: P40189, ProbeID: 2620−4_2)
raw data
5000
10000
15000
20000
A/A (259)
A/G (87)
G/G (7)
rs11741953 (Chr5:55267814)
Locus 272 top sentinel (tags KORA rs7730934), p=2.8e−07

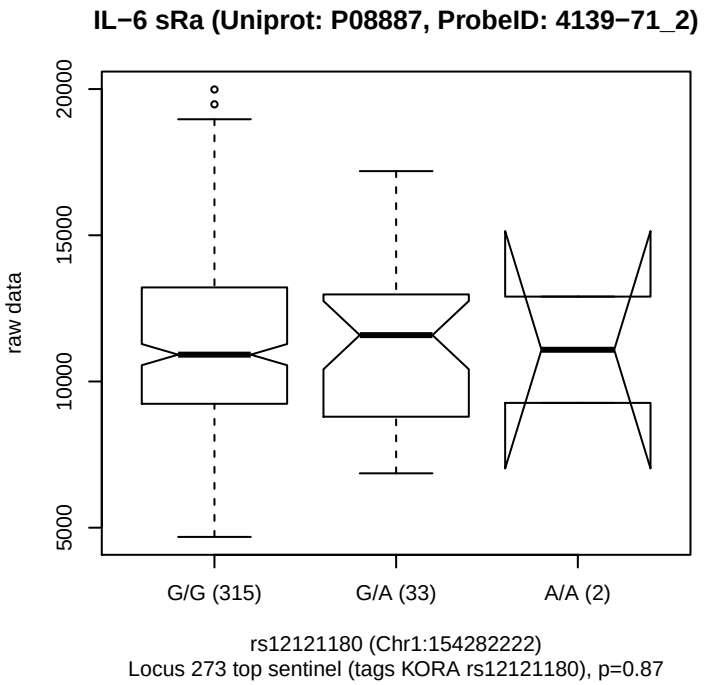

gp130, soluble (Uniprot: P40189, ProbeID: 2620−4_2)
Frequency
0
50
100
150
11
12
13
14
log2−scaled data
Interleukin−6 receptor subunit beta

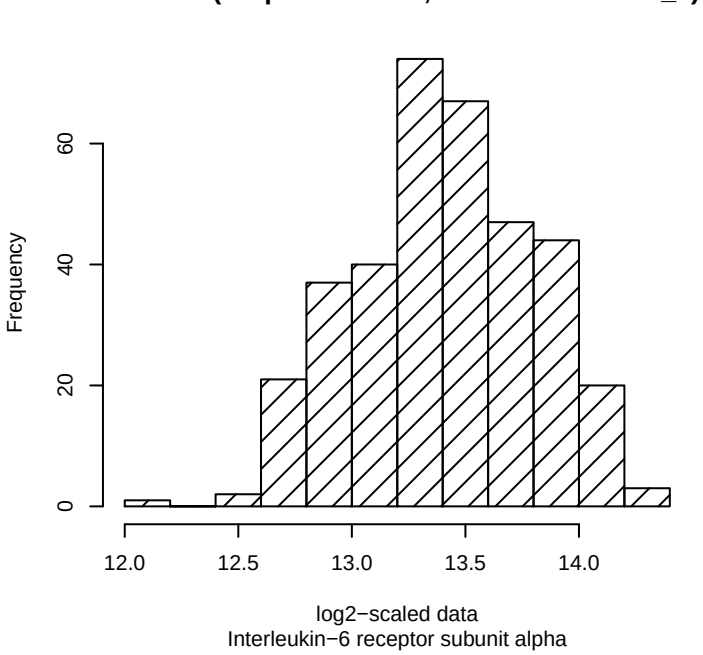

gp130, soluble (Uniprot: P40189, ProbeID: 2620−4_2)
log2−scaled data
11
12
13
14
A/A (259)
A/G (87)
G/G (7)
rs11741953 (Chr5:55267814)
Locus 272 top sentinel (tags KORA rs7730934), p=8.3e−06, FC=1.0768

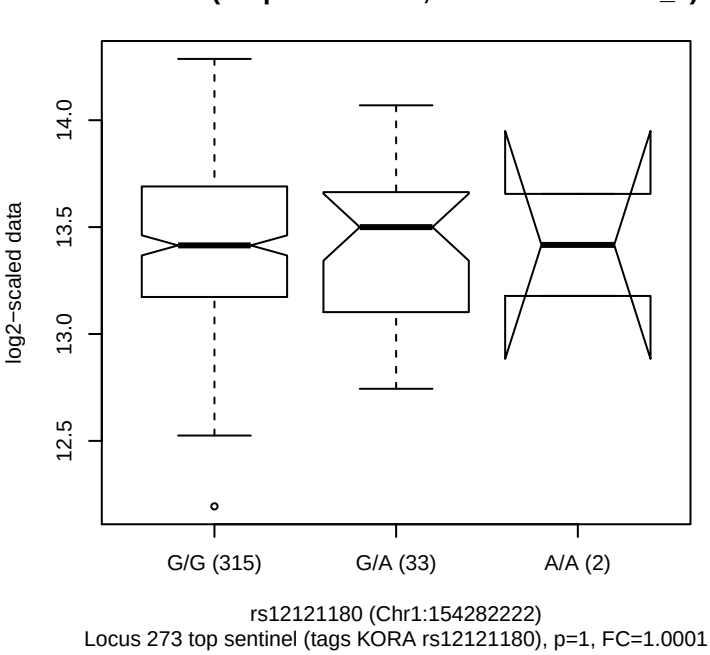

gp130, soluble (Uniprot: P40189, ProbeID: 2620−4_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−6 receptor subunit beta

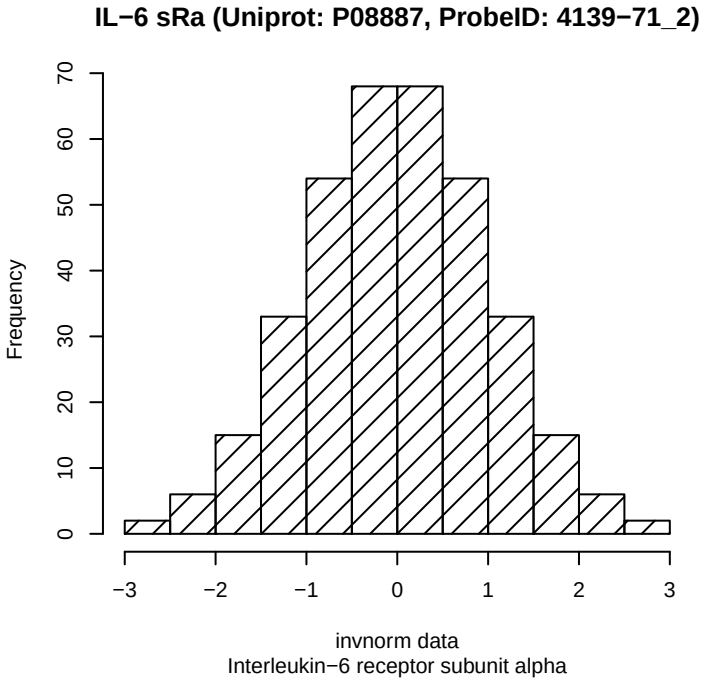

gp130, soluble (Uniprot: P40189, ProbeID: 2620−4_2)
invnorm data
−2
−1
0
1
2
A/A (259)
A/G (87)
G/G (7)
rs11741953 (Chr5:55267814)
Locus 272 top sentinel (tags KORA rs7730934), p=6.9e−11

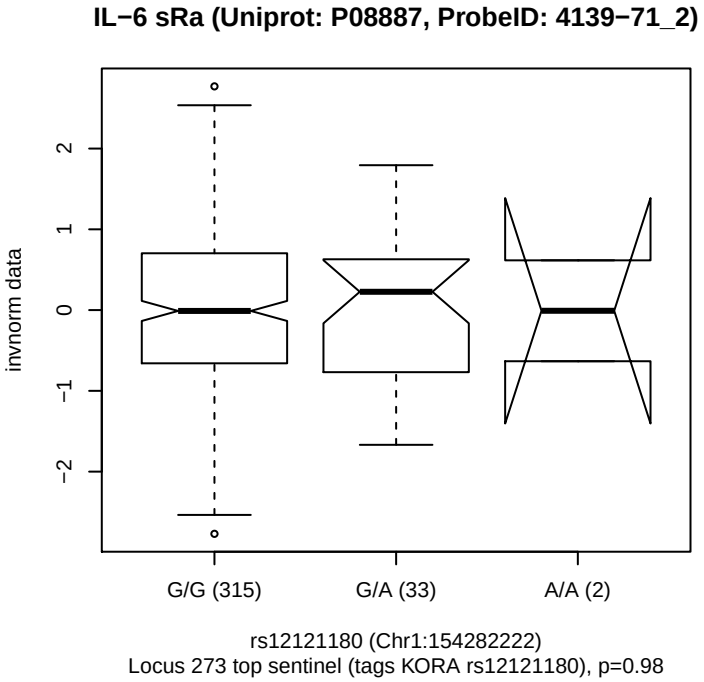

IL−6 sRa (Uniprot: P08887, ProbeID: 4139−71_2)
Frequency
0
20
40
60
80
5000
10000
15000
20000
raw data
Interleukin−6 receptor subunit alpha

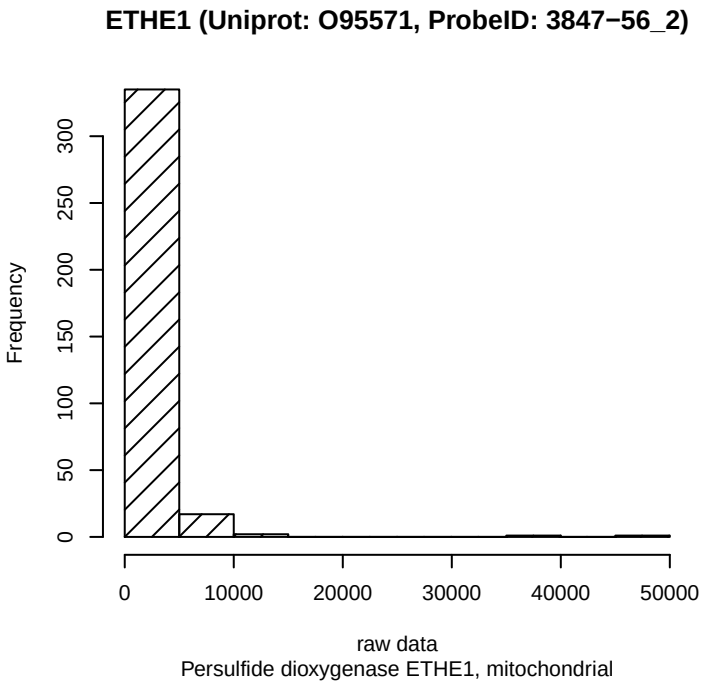

IL−6 sRa (Uniprot: P08887, ProbeID: 4139−71_2)
raw data
5000
10000
15000
20000
G/G (315)
G/A (33)
A/A (2)
rs12121180 (Chr1:154282222)
Locus 273 top sentinel (tags KORA rs12121180), p=0.87

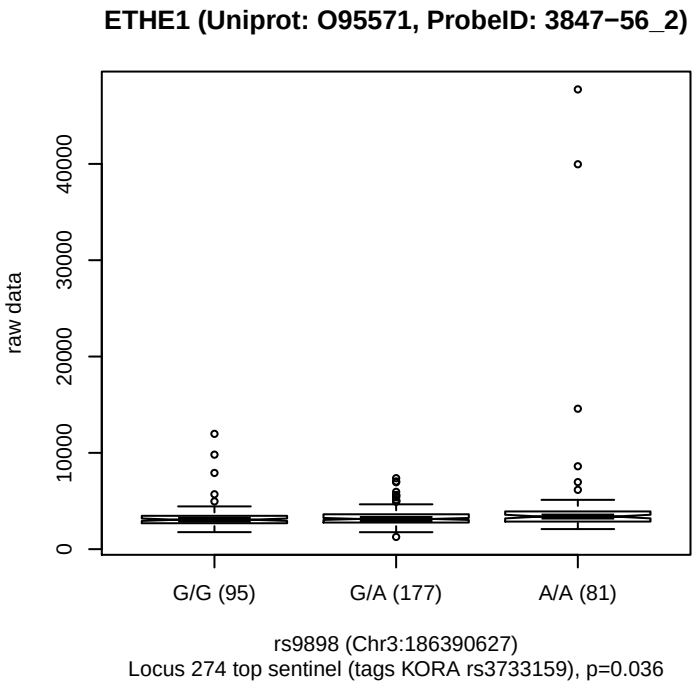

IL−6 sRa (Uniprot: P08887, ProbeID: 4139−71_2)
Frequency
0
20
40
60
12.0
12.5
13.0
13.5
14.0
log2−scaled data
Interleukin−6 receptor subunit alpha

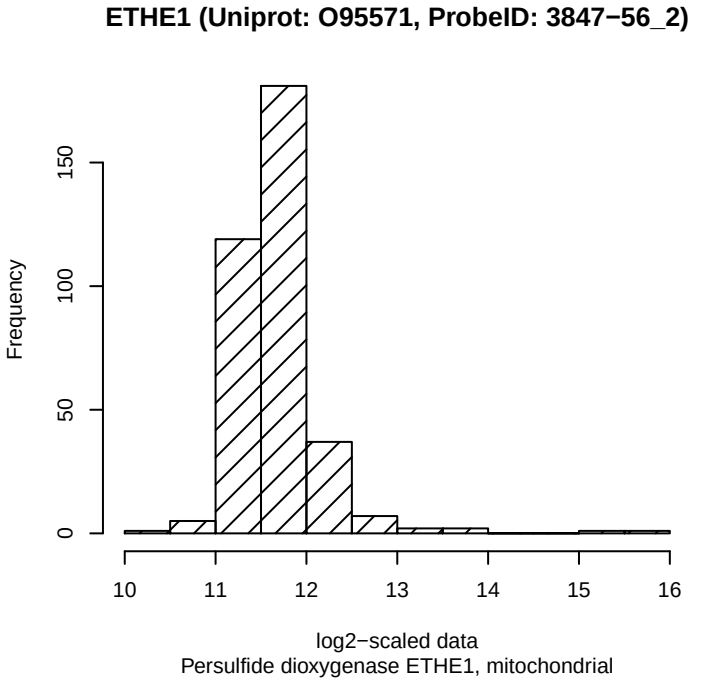

IL−6 sRa (Uniprot: P08887, ProbeID: 4139−71_2)
log2−scaled data
12.5
13.0
13.5
14.0
G/G (315)
G/A (33)
A/A (2)
rs12121180 (Chr1:154282222)
Locus 273 top sentinel (tags KORA rs12121180), p=1, FC=1.0001

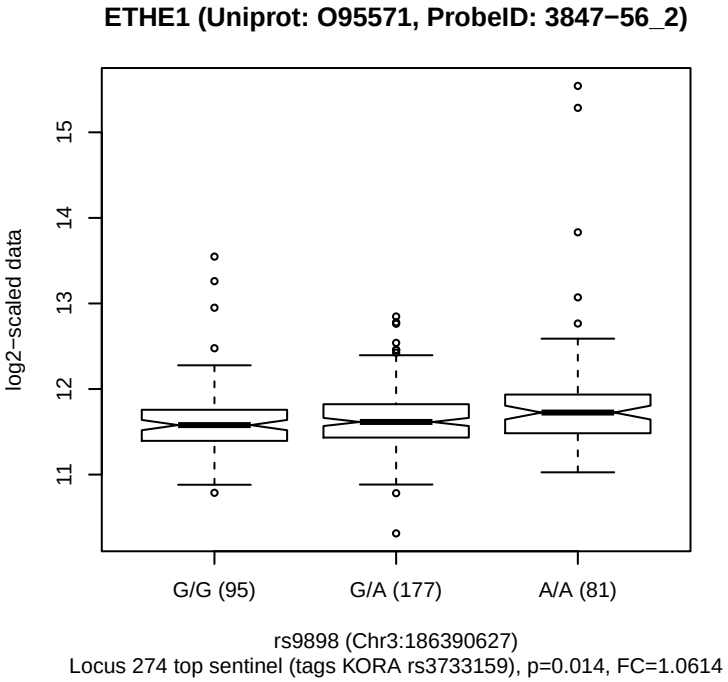

IL−6 sRa (Uniprot: P08887, ProbeID: 4139−71_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−6 receptor subunit alpha

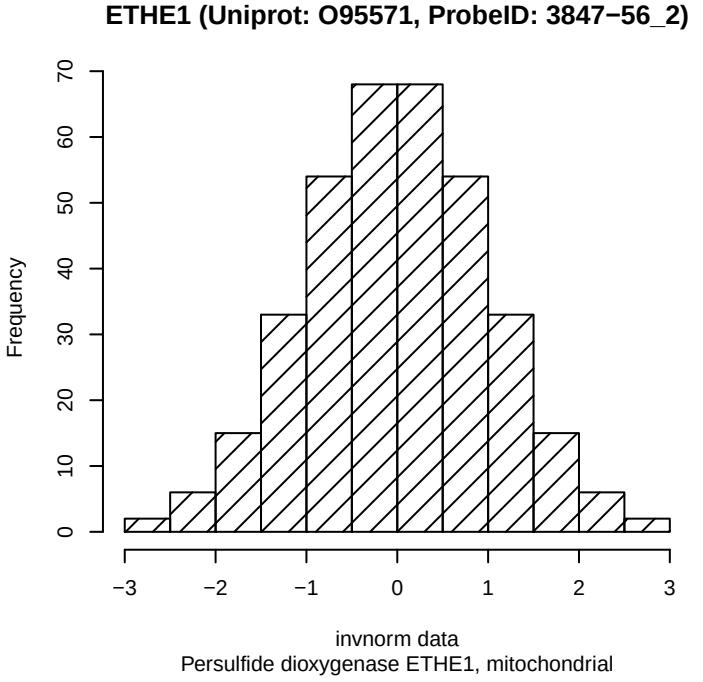

IL−6 sRa (Uniprot: P08887, ProbeID: 4139−71_2)
invnorm data
−2
−1
0
1
2
G/G (315)
G/A (33)
A/A (2)
rs12121180 (Chr1:154282222)
Locus 273 top sentinel (tags KORA rs12121180), p=0.98

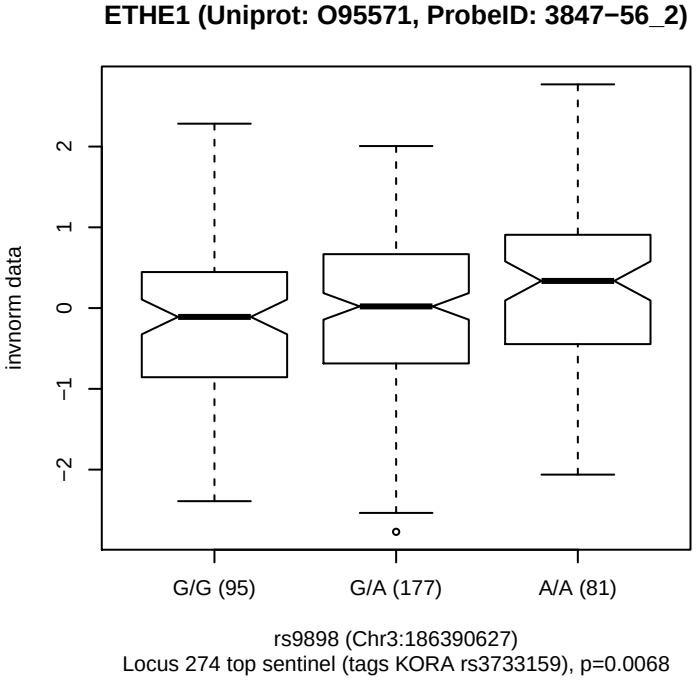

ETHE1 (Uniprot: O95571, ProbeID: 3847−56_2)
Frequency
0
50
100
150
200
250
300
0
10000
20000
30000
40000
50000
raw data
Persulfide dioxygenase ETHE1, mitochondrial

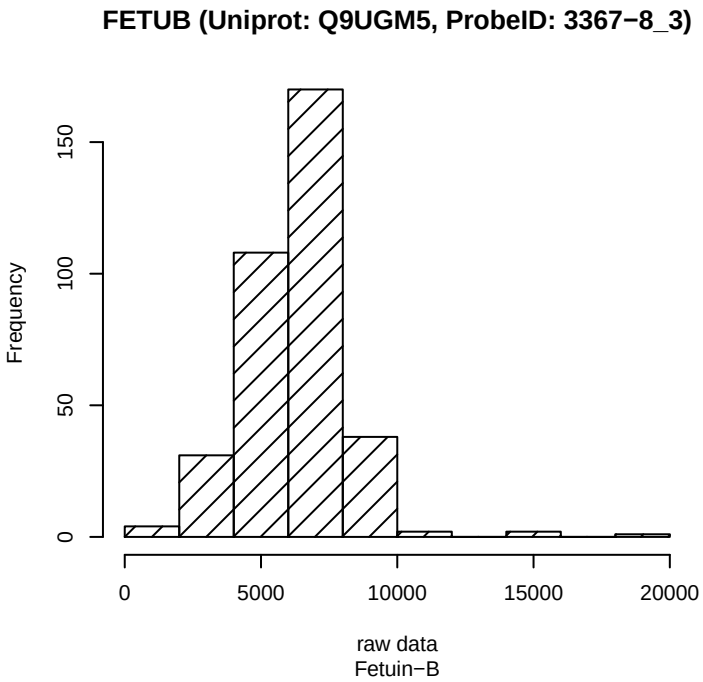

ETHE1 (Uniprot: O95571, ProbeID: 3847−56_2)
raw data
0
10000
20000
30000
40000
G/G (95)
G/A (177)
A/A (81)
rs9898 (Chr3:186390627)
Locus 274 top sentinel (tags KORA rs3733159), p=0.036

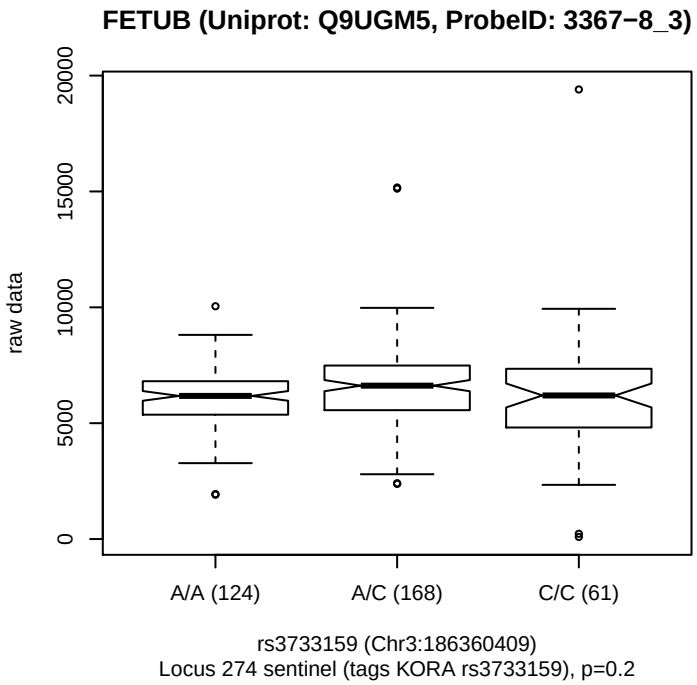

ETHE1 (Uniprot: O95571, ProbeID: 3847−56_2)
Frequency
0
50
100
150
10
11
12
13
14
15
16
log2−scaled data
Persulfide dioxygenase ETHE1, mitochondrial

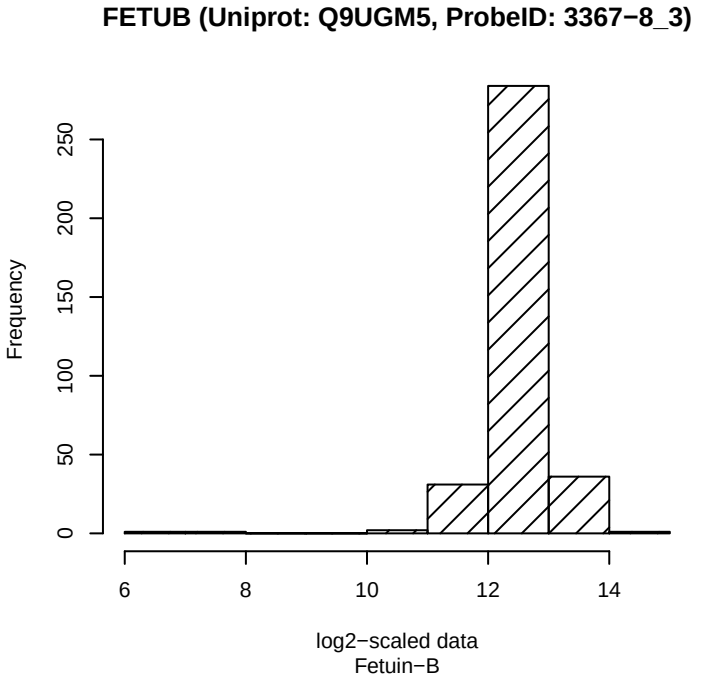

ETHE1 (Uniprot: O95571, ProbeID: 3847−56_2)
log2−scaled data
11
12
13
14
15
G/G (95)
G/A (177)
A/A (81)
rs9898 (Chr3:186390627)
Locus 274 top sentinel (tags KORA rs3733159), p=0.014, FC=1.0614

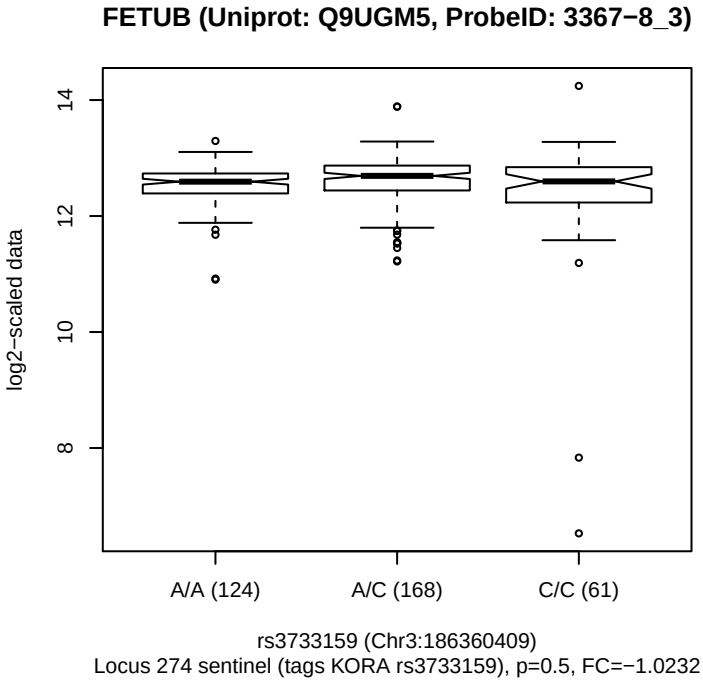

ETHE1 (Uniprot: O95571, ProbeID: 3847−56_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Persulfide dioxygenase ETHE1, mitochondrial

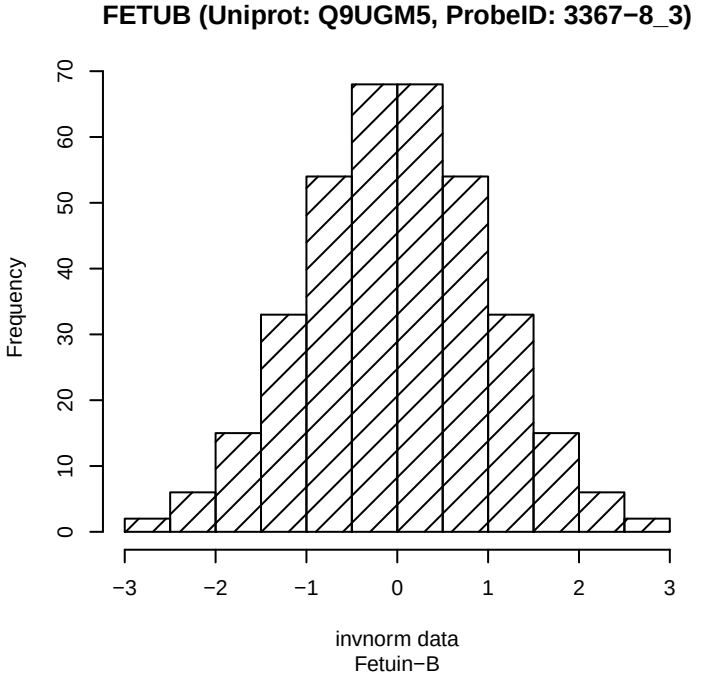

ETHE1 (Uniprot: O95571, ProbeID: 3847−56_2)
invnorm data
−2
−1
0
1
2
G/G (95)
G/A (177)
A/A (81)
rs9898 (Chr3:186390627)
Locus 274 top sentinel (tags KORA rs3733159), p=0.0068

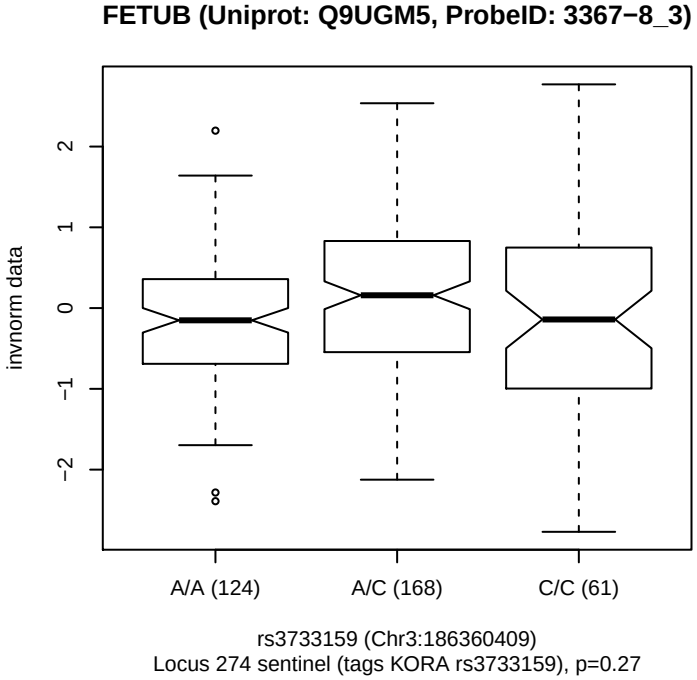

FETUB (Uniprot: Q9UGM5, ProbeID: 3367−8_3)
Frequency
0
50
100
150
0
5000
10000
15000
20000
raw data
Fetuin−B

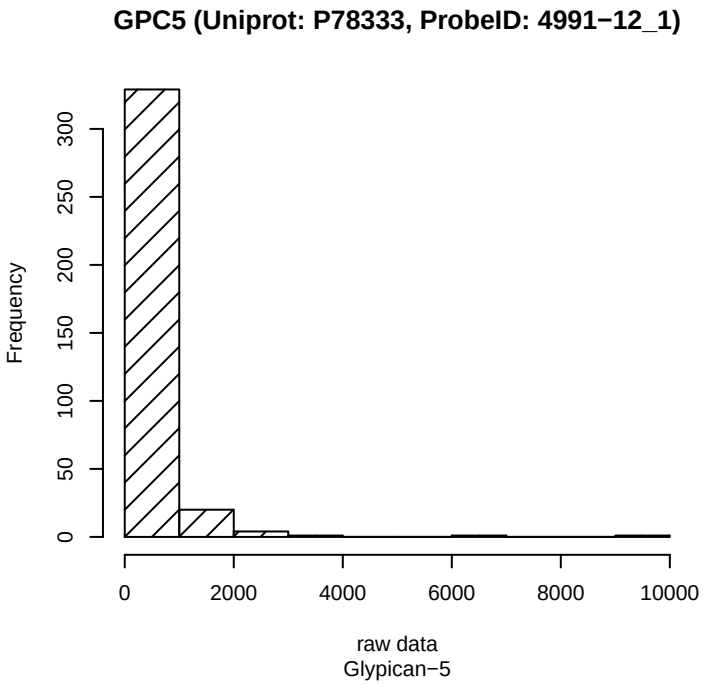

FETUB (Uniprot: Q9UGM5, ProbeID: 3367−8_3)
raw data
0
5000
10000
15000
20000
A/A (124)
A/C (168)
C/C (61)
rs3733159 (Chr3:186360409)
Locus 274 sentinel (tags KORA rs3733159), p=0.2

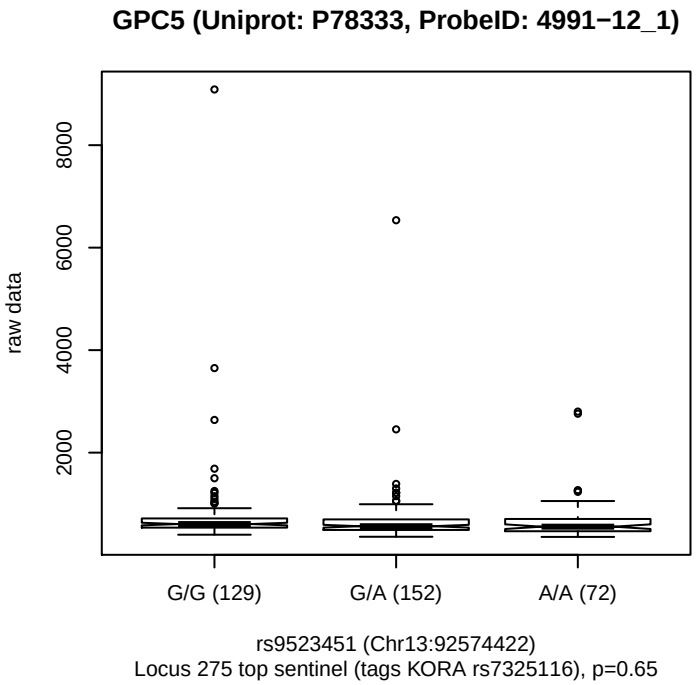

FETUB (Uniprot: Q9UGM5, ProbeID: 3367−8_3)
Frequency
0
50
100
150
200
250
6
8
10
12
14
log2−scaled data
Fetuin−B

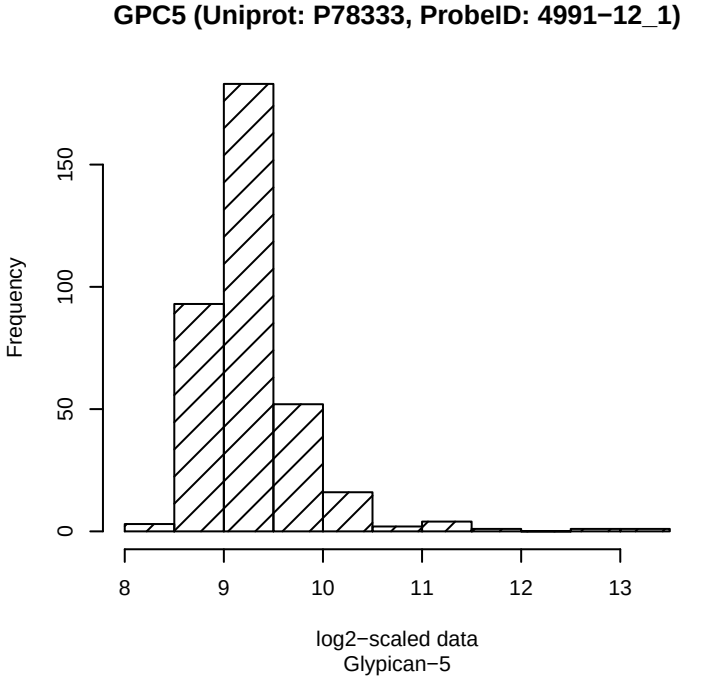

FETUB (Uniprot: Q9UGM5, ProbeID: 3367−8_3)
log2−scaled data
8
10
12
14
A/A (124)
A/C (168)
C/C (61)
rs3733159 (Chr3:186360409)
Locus 274 sentinel (tags KORA rs3733159), p=0.5, FC=−1.0232

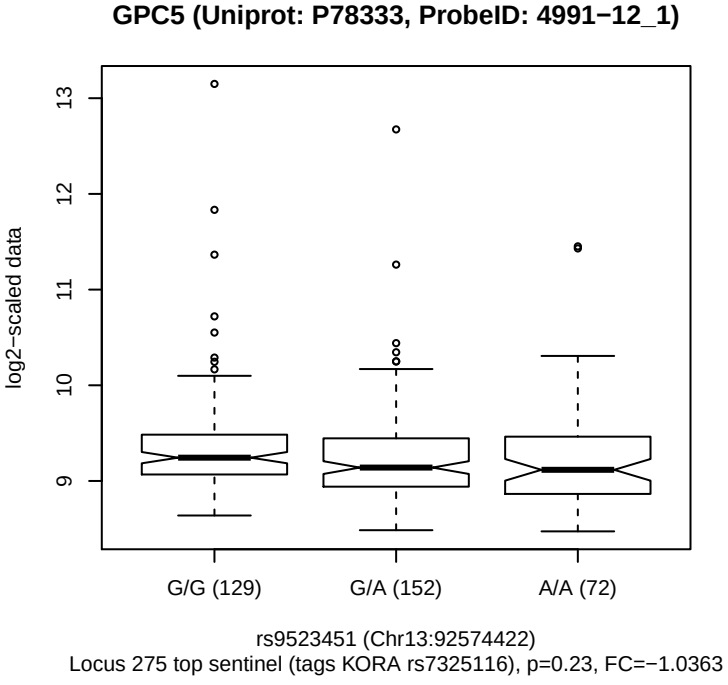

FETUB (Uniprot: Q9UGM5, ProbeID: 3367−8_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Fetuin−B

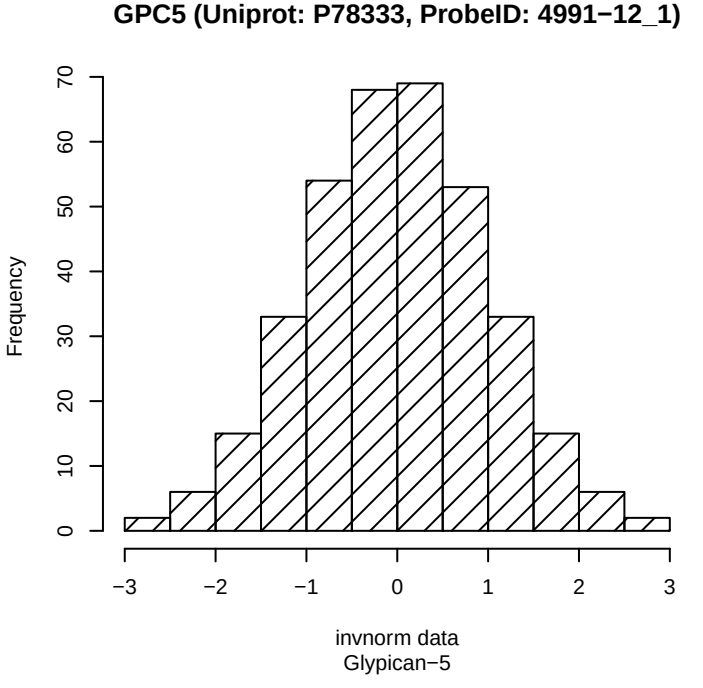

FETUB (Uniprot: Q9UGM5, ProbeID: 3367−8_3)
invnorm data
−2
−1
0
1
2
A/A (124)
A/C (168)
C/C (61)
rs3733159 (Chr3:186360409)
Locus 274 sentinel (tags KORA rs3733159), p=0.27

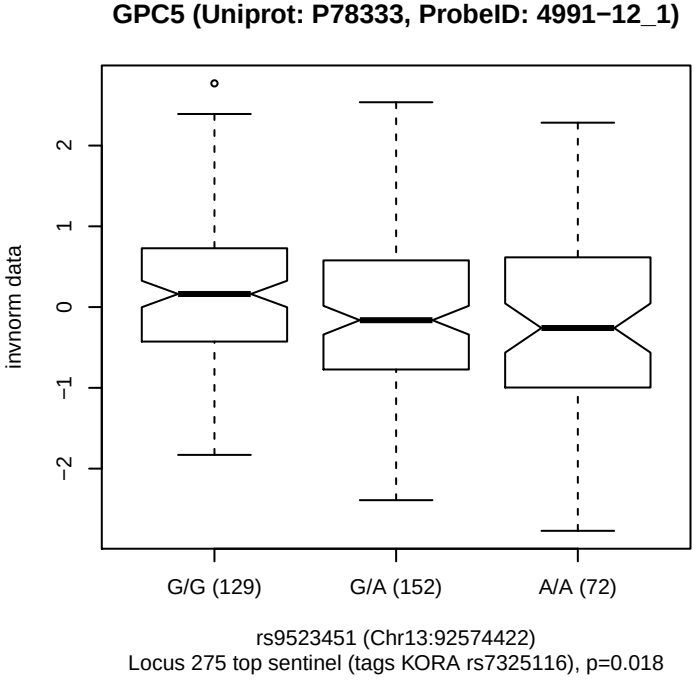

GPC5 (Uniprot: P78333, ProbeID: 4991−12_1)
Frequency
0
50
100
150
200
250
300
0
2000
4000
6000
8000
10000
raw data
Glypican−5

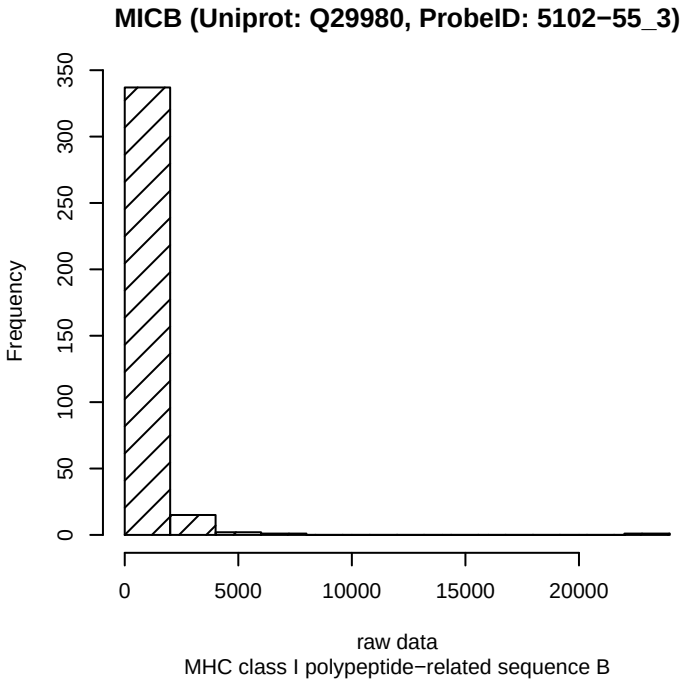

GPC5 (Uniprot: P78333, ProbeID: 4991−12_1)
raw data
2000
4000
6000
8000
G/G (129)
G/A (152)
A/A (72)
rs9523451 (Chr13:92574422)
Locus 275 top sentinel (tags KORA rs7325116), p=0.65

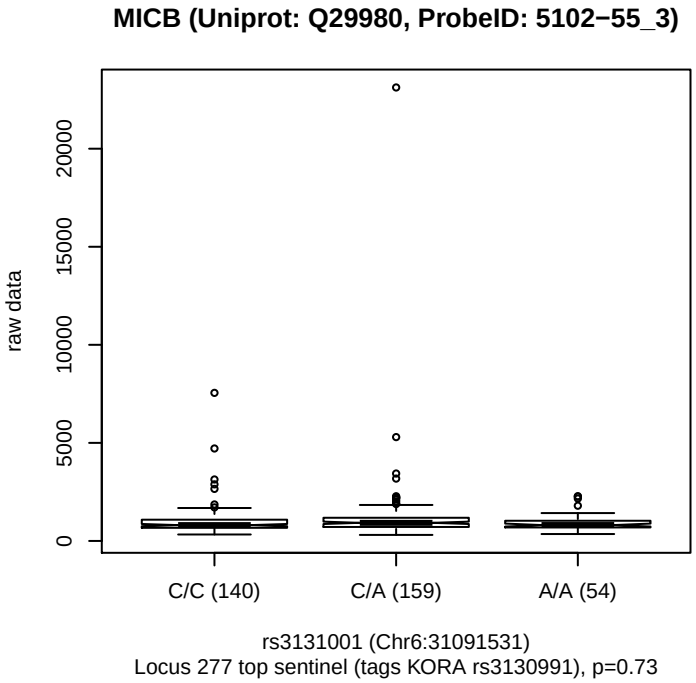

GPC5 (Uniprot: P78333, ProbeID: 4991−12_1)
Frequency
0
50
100
150
8
9
10
11
12
13
log2−scaled data
Glypican−5

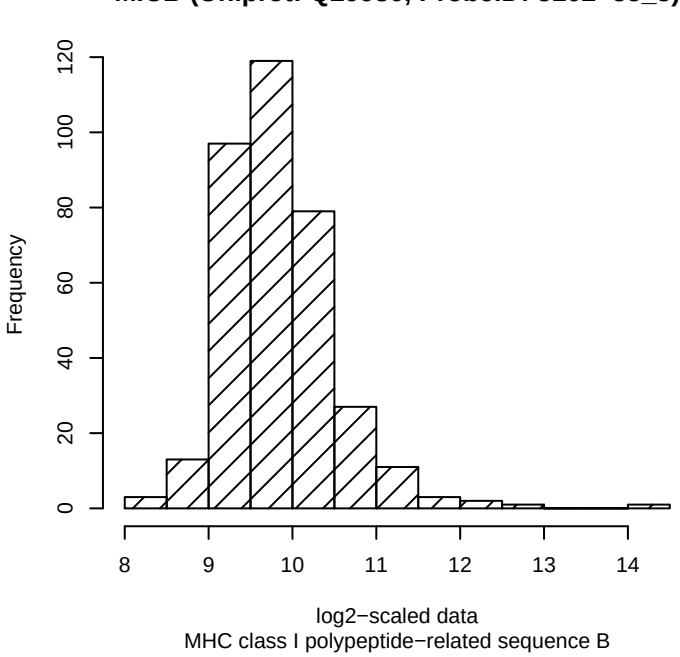

GPC5 (Uniprot: P78333, ProbeID: 4991−12_1)
log2−scaled data
9
10
11
12
13
G/G (129)
G/A (152)
A/A (72)
rs9523451 (Chr13:92574422)
Locus 275 top sentinel (tags KORA rs7325116), p=0.23, FC=−1.0363

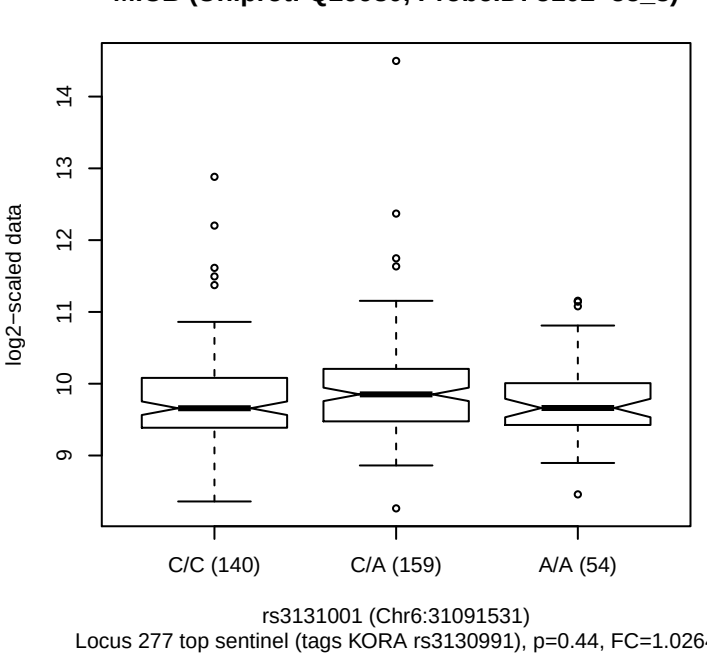

GPC5 (Uniprot: P78333, ProbeID: 4991−12_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Glypican−5

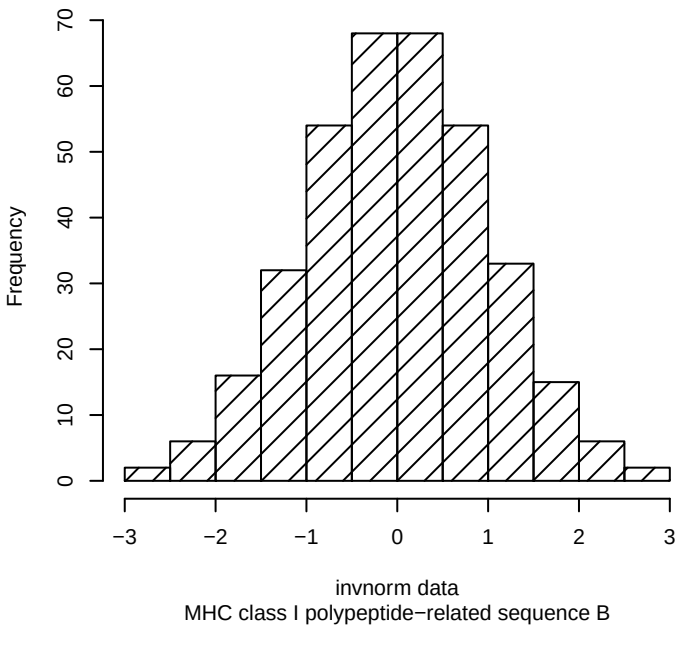

GPC5 (Uniprot: P78333, ProbeID: 4991−12_1)
invnorm data
−2
−1
0
1
2
G/G (129)
G/A (152)
A/A (72)
rs9523451 (Chr13:92574422)
Locus 275 top sentinel (tags KORA rs7325116), p=0.018

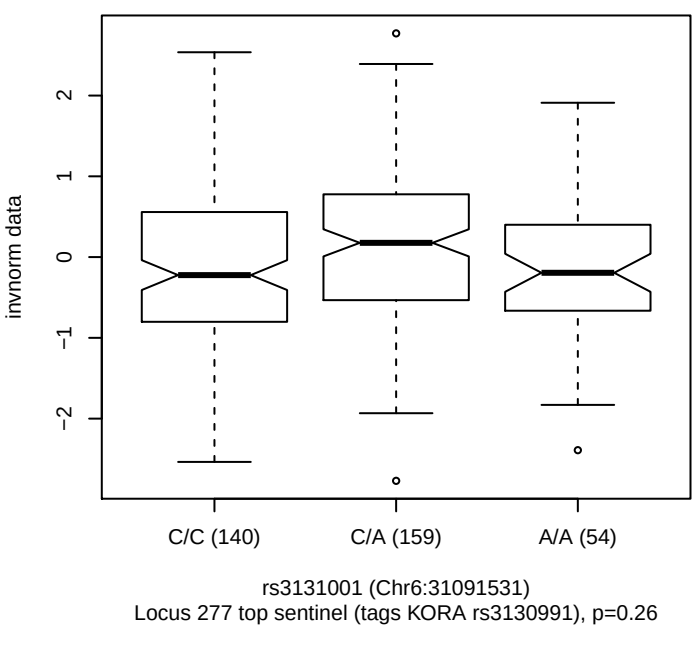

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
50
100
150
200
250
300
350
0
5000
10000
15000
20000
raw data
MHC class I polypeptide−related sequence B

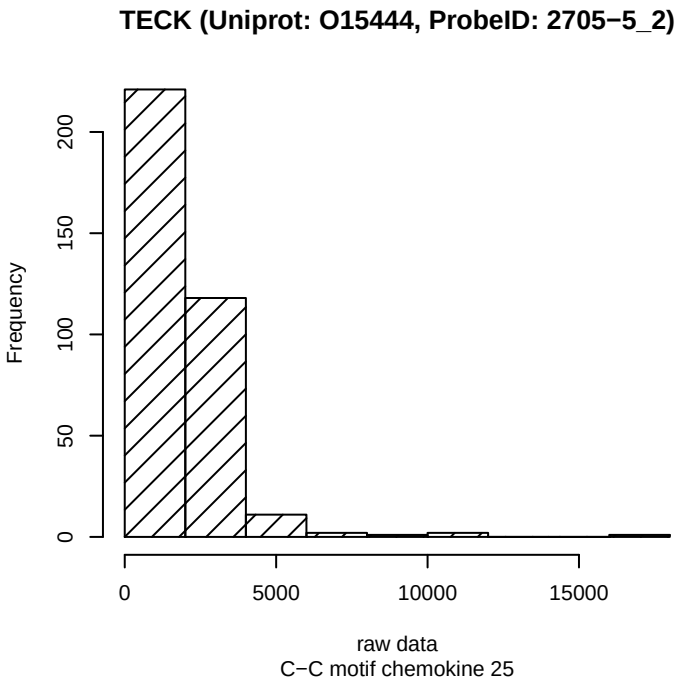

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
raw data
0
5000
10000
15000
20000
C/C (140)
C/A (159)
A/A (54)
rs3131001 (Chr6:31091531)
Locus 277 top sentinel (tags KORA rs3130991), p=0.73

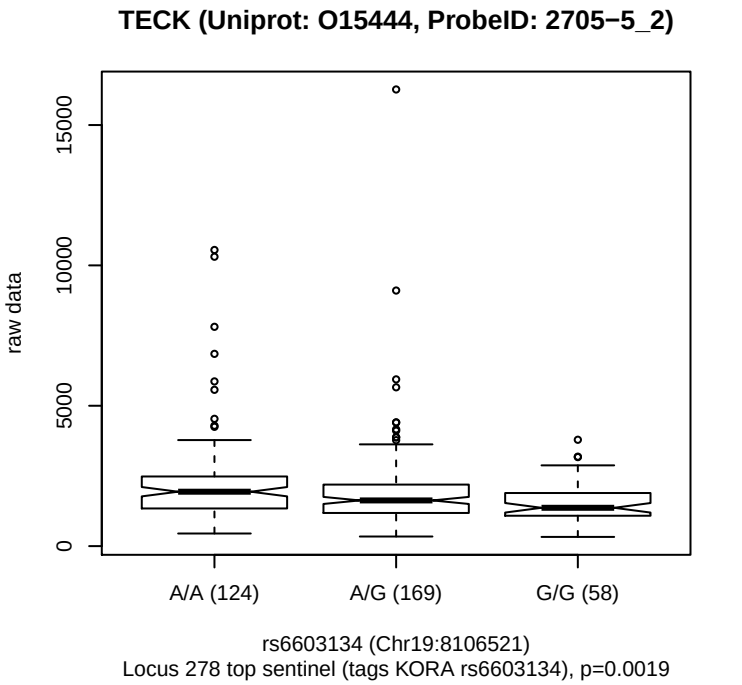

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
20
40
60
80
100
120
8
9
10
11
12
13
14
log2−scaled data
MHC class I polypeptide−related sequence B

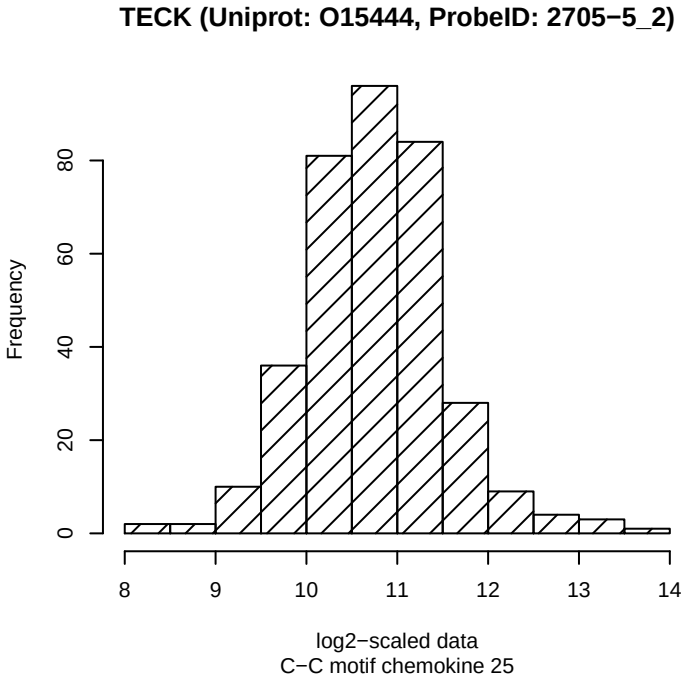

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
log2−scaled data
9
10
11
12
13
14
C/C (140)
C/A (159)
A/A (54)
rs3131001 (Chr6:31091531)
Locus 277 top sentinel (tags KORA rs3130991), p=0.44, FC=1.0264

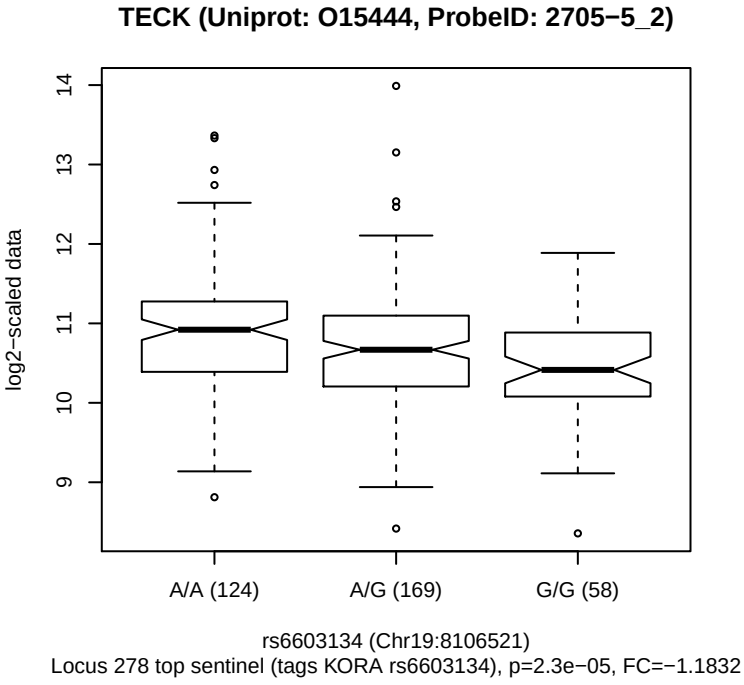

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence B

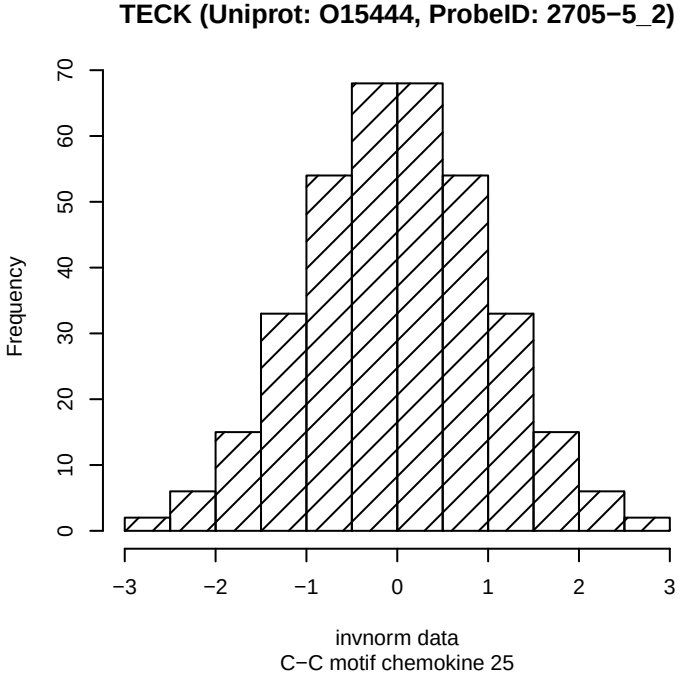

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
invnorm data
−2
−1
0
1
2
C/C (140)
C/A (159)
A/A (54)
rs3131001 (Chr6:31091531)
Locus 277 top sentinel (tags KORA rs3130991), p=0.26

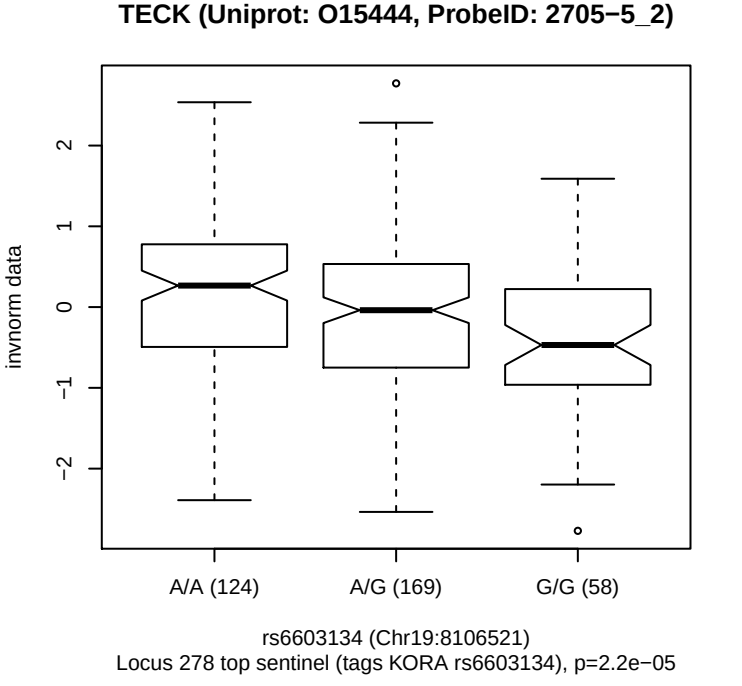

TECK (Uniprot: O15444, ProbeID: 2705−5_2)
Frequency
0
50
100
150
200
0
5000
10000
15000
raw data
C−C motif chemokine 25

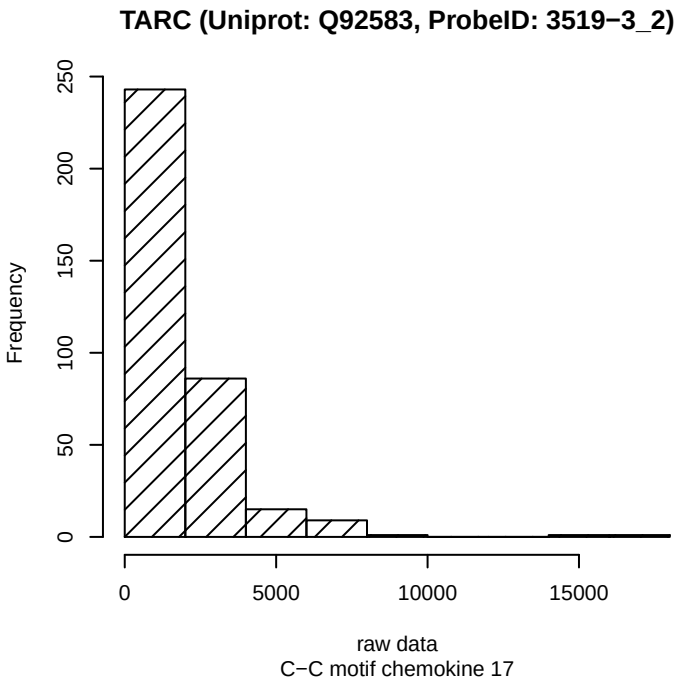

TECK (Uniprot: O15444, ProbeID: 2705−5_2)
raw data
0
5000
10000
15000
A/A (124)
A/G (169)
G/G (58)
rs6603134 (Chr19:8106521)
Locus 278 top sentinel (tags KORA rs6603134), p=0.0019

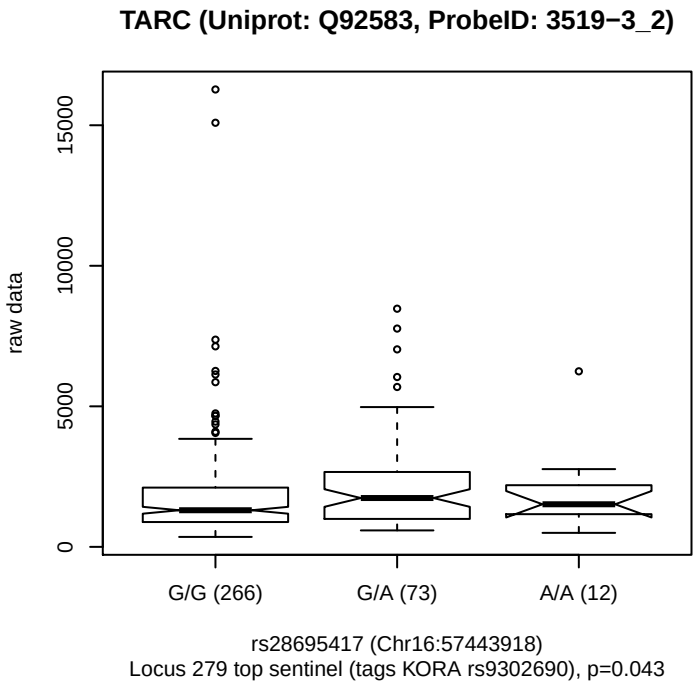

TECK (Uniprot: O15444, ProbeID: 2705−5_2)
Frequency
0
20
40
60
80
8
9
10
11
12
13
14
log2−scaled data
C−C motif chemokine 25

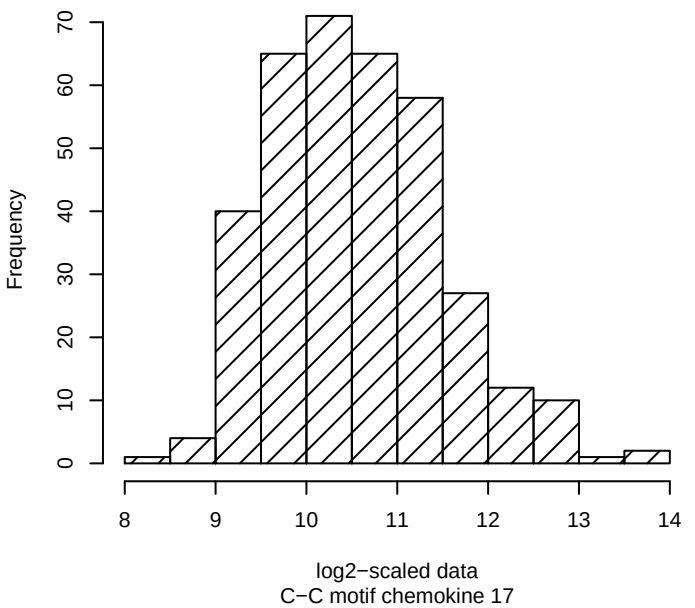

TECK (Uniprot: O15444, ProbeID: 2705−5_2)
log2−scaled data
9
10
11
12
13
14
A/A (124)
A/G (169)
G/G (58)
rs6603134 (Chr19:8106521)
Locus 278 top sentinel (tags KORA rs6603134), p=2.3e−05, FC=−1.1832

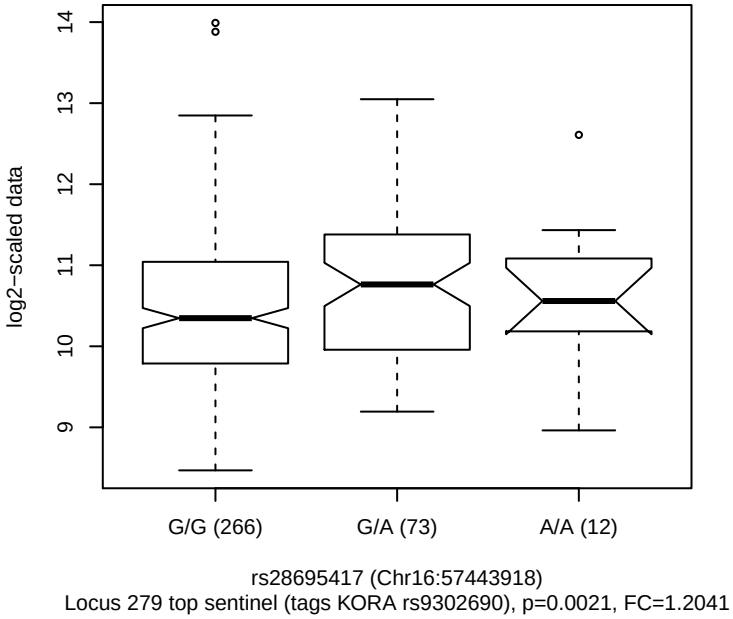

TECK (Uniprot: O15444, ProbeID: 2705−5_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 25

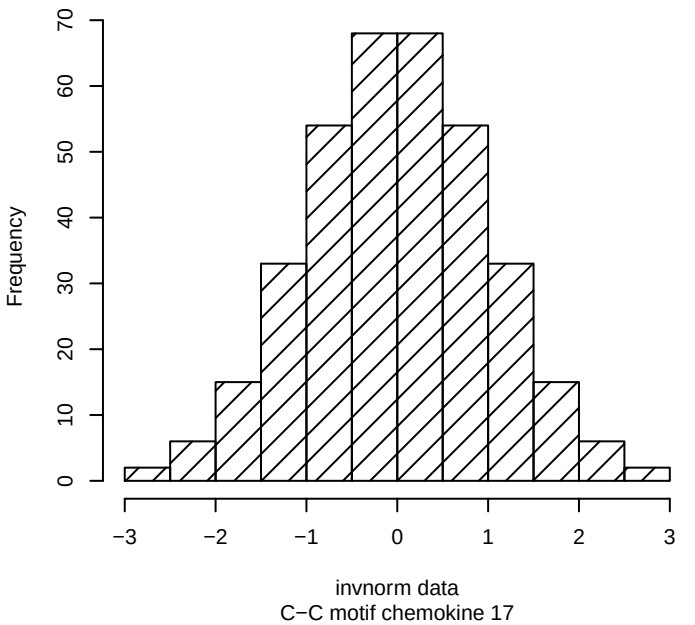

TECK (Uniprot: O15444, ProbeID: 2705−5_2)
invnorm data
−2
−1
0
1
2
A/A (124)
A/G (169)
G/G (58)
rs6603134 (Chr19:8106521)
Locus 278 top sentinel (tags KORA rs6603134), p=2.2e−05

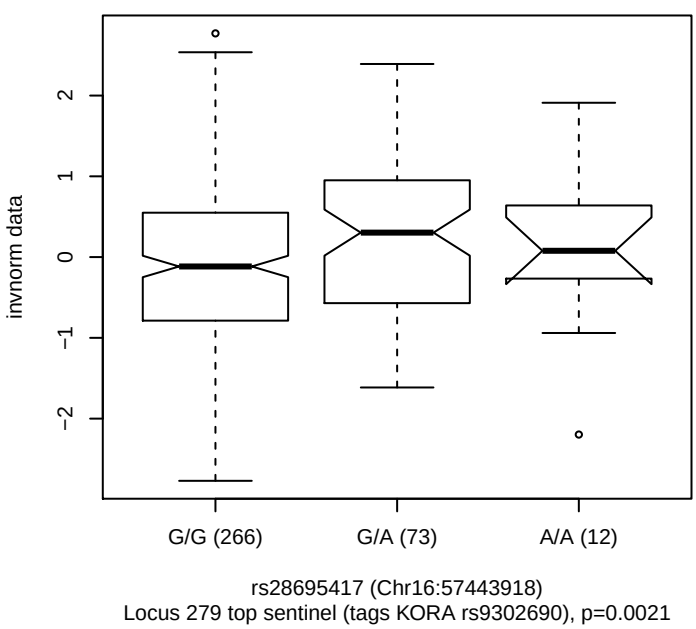

TARC (Uniprot: Q92583, ProbeID: 3519−3_2)
Frequency
0
50
100
150
200
250
0
5000
10000
15000
raw data
C−C motif chemokine 17

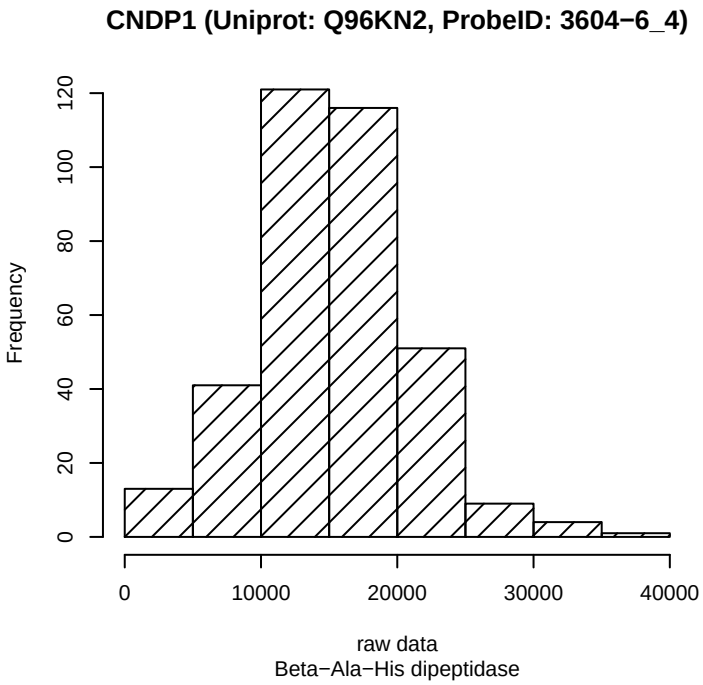

TARC (Uniprot: Q92583, ProbeID: 3519−3_2)
raw data
0
5000
10000
15000
G/G (266)
G/A (73)
A/A (12)
rs28695417 (Chr16:57443918)
Locus 279 top sentinel (tags KORA rs9302690), p=0.043

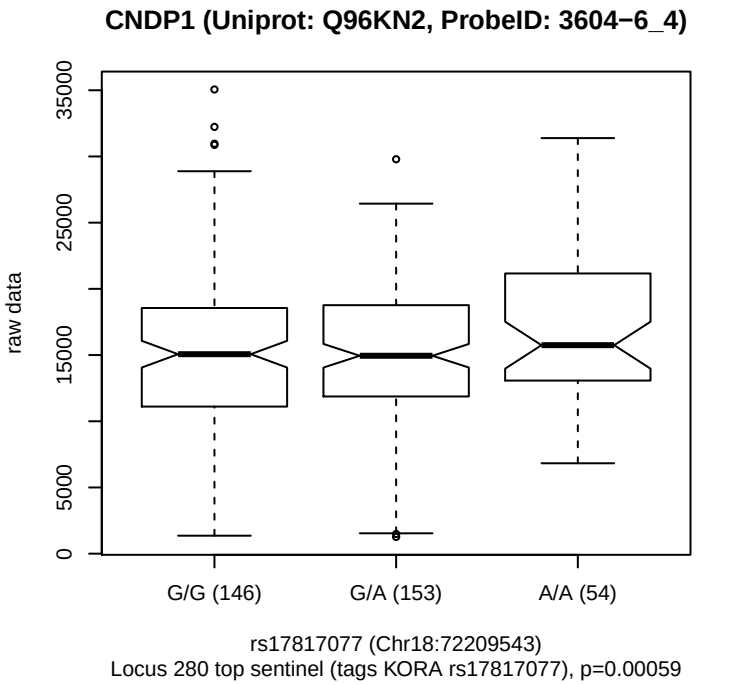

TARC (Uniprot: Q92583, ProbeID: 3519−3_2)
Frequency
0
10
20
30
40
50
60
70
8
9
10
11
12
13
14
log2−scaled data
C−C motif chemokine 17

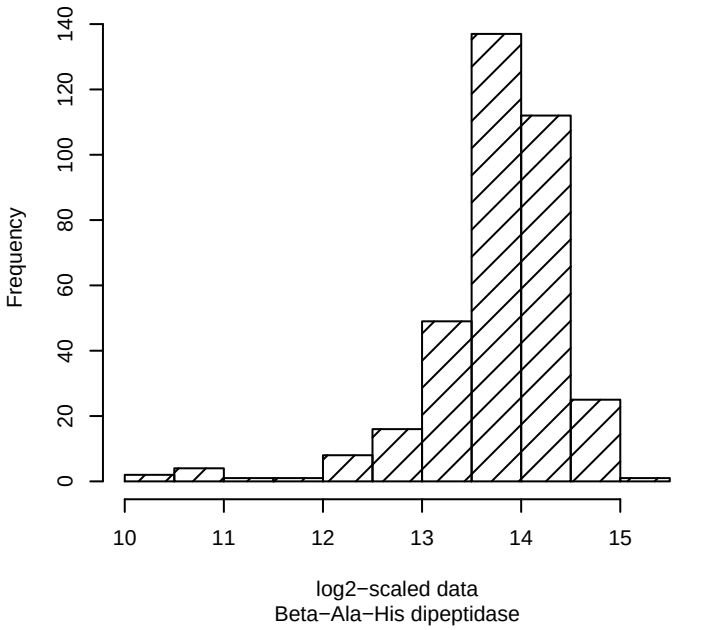

TARC (Uniprot: Q92583, ProbeID: 3519−3_2)
log2−scaled data
9
10
11
12
13
14
G/G (266)
G/A (73)
A/A (12)
rs28695417 (Chr16:57443918)
Locus 279 top sentinel (tags KORA rs9302690), p=0.0021, FC=1.2041

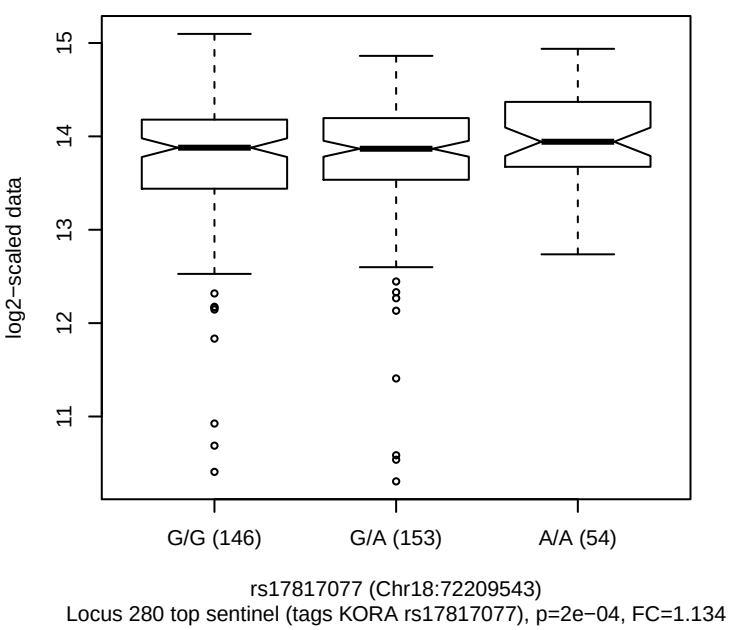

TARC (Uniprot: Q92583, ProbeID: 3519−3_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 17

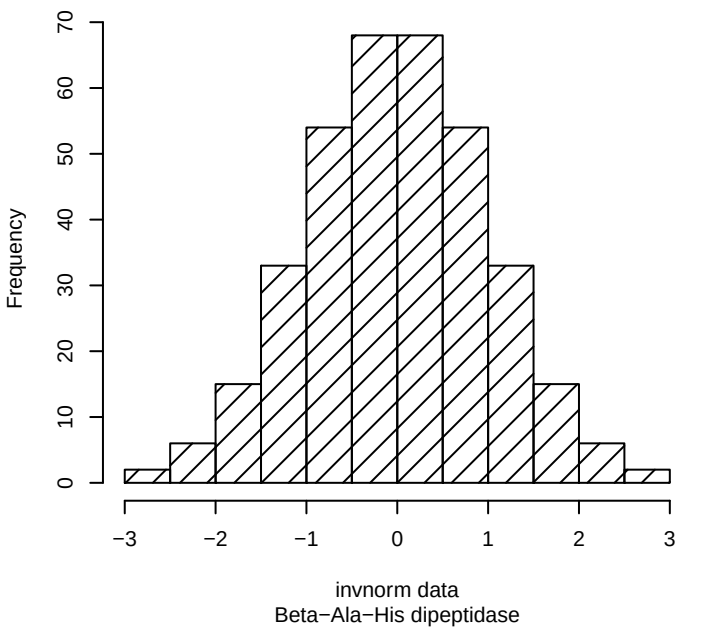

TARC (Uniprot: Q92583, ProbeID: 3519−3_2)
invnorm data
−2
−1
0
1
2
G/G (266)
G/A (73)
A/A (12)
rs28695417 (Chr16:57443918)
Locus 279 top sentinel (tags KORA rs9302690), p=0.0021

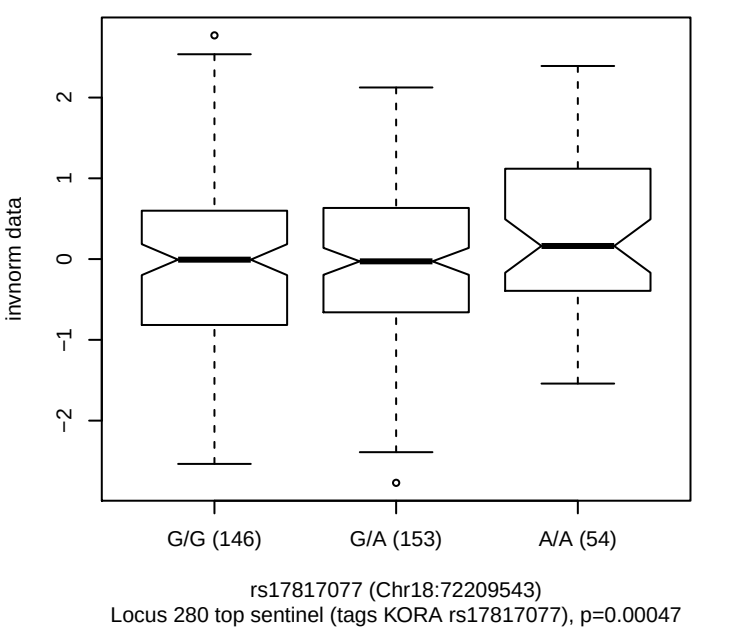

CNDP1 (Uniprot: Q96KN2, ProbeID: 3604−6_4)
Frequency
0
20
40
60
80
100
120
0
10000
20000
30000
40000
raw data
Beta−Ala−His dipeptidase


CNDP1 (Uniprot: Q96KN2, ProbeID: 3604−6_4)
raw data
0
5000
15000
25000
35000
G/G (146)
G/A (153)
A/A (54)
rs17817077 (Chr18:72209543)
Locus 280 top sentinel (tags KORA rs17817077), p=0.00059

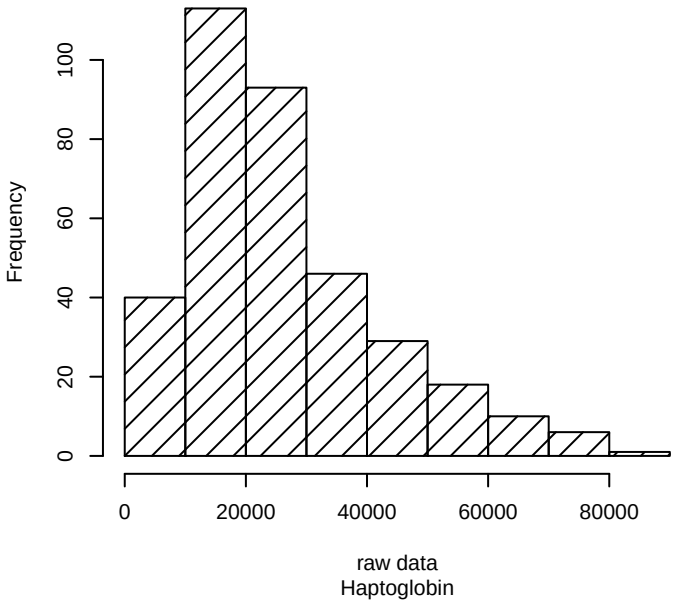

CNDP1 (Uniprot: Q96KN2, ProbeID: 3604−6_4)
Frequency
0
20
40
60
80
100
120
140
10
11
12
13
14
15
log2−scaled data
Beta−Ala−His dipeptidase


CNDP1 (Uniprot: Q96KN2, ProbeID: 3604−6_4)
log2−scaled data
11
12
13
14
15
G/G (146)
G/A (153)
A/A (54)
rs17817077 (Chr18:72209543)
Locus 280 top sentinel (tags KORA rs17817077), p=2e−04, FC=1.134

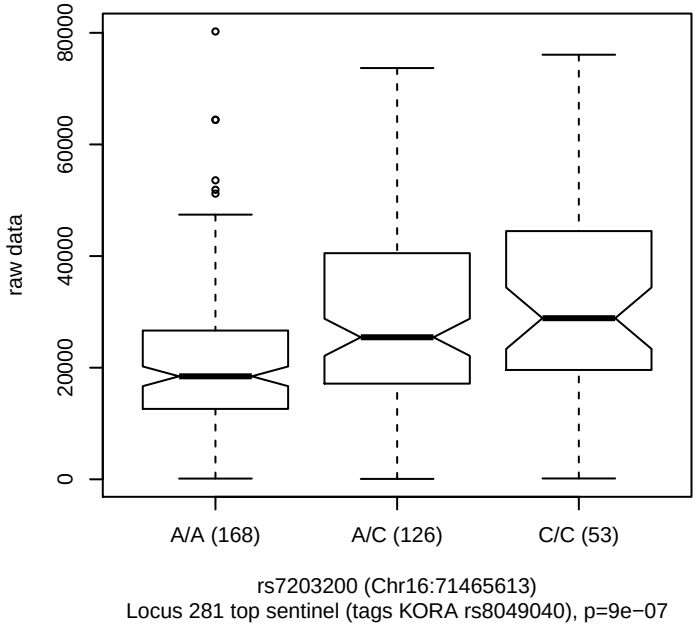

CNDP1 (Uniprot: Q96KN2, ProbeID: 3604−6_4)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Beta−Ala−His dipeptidase


CNDP1 (Uniprot: Q96KN2, ProbeID: 3604−6_4)
invnorm data
−2
−1
0
1
2
G/G (146)
G/A (153)
A/A (54)
rs17817077 (Chr18:72209543)
Locus 280 top sentinel (tags KORA rs17817077), p=0.00047

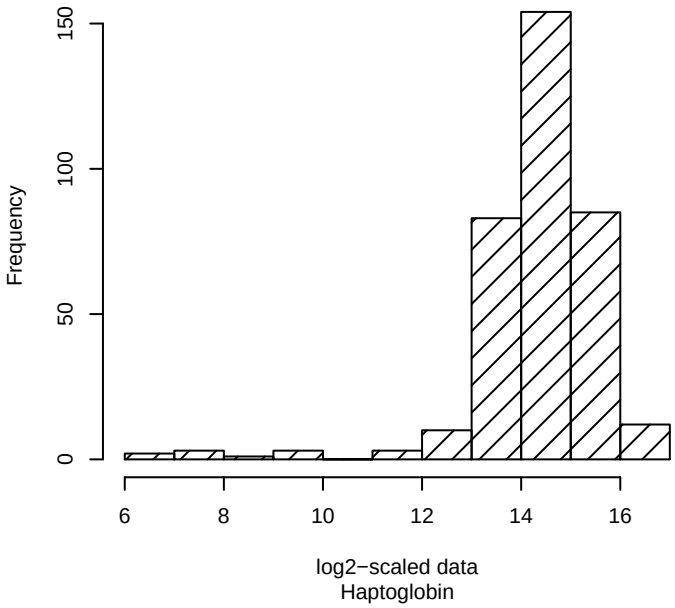
Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1



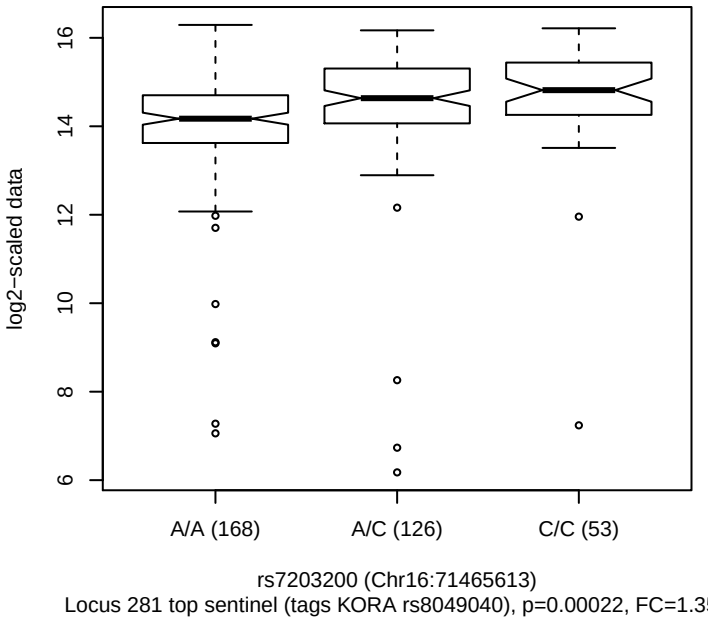
Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1



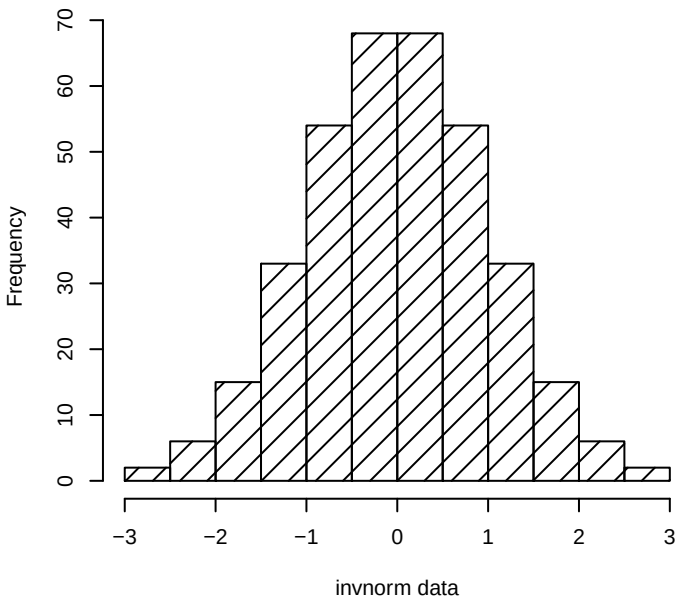
Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1



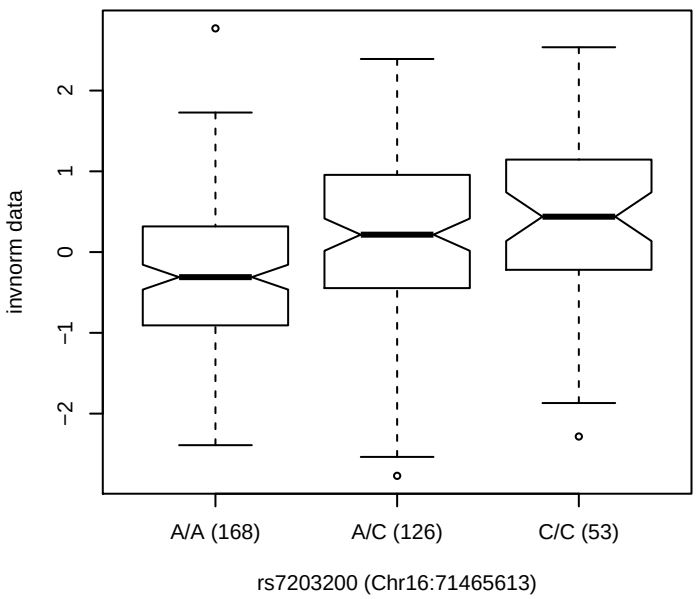
Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1



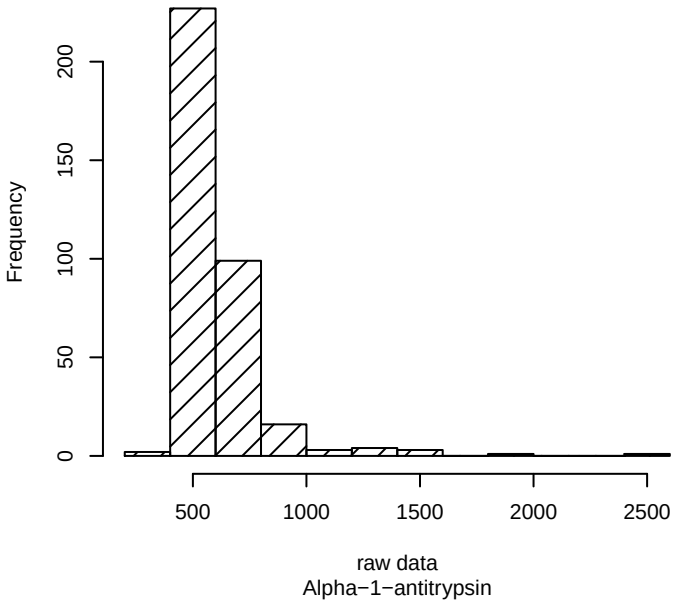
Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1



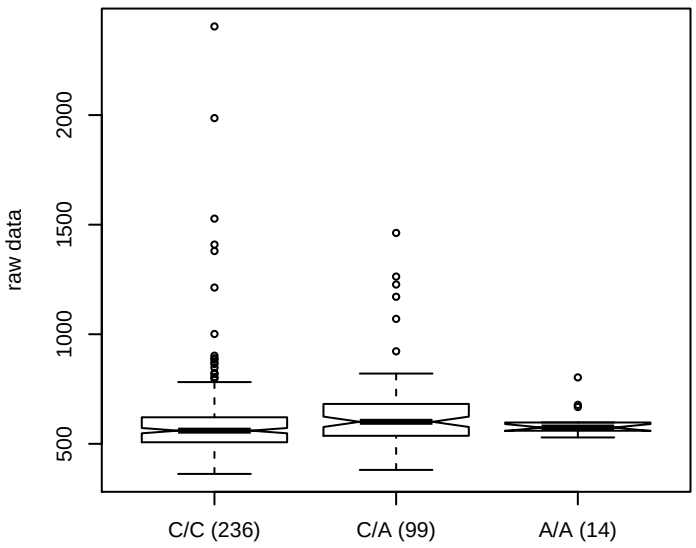
Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1



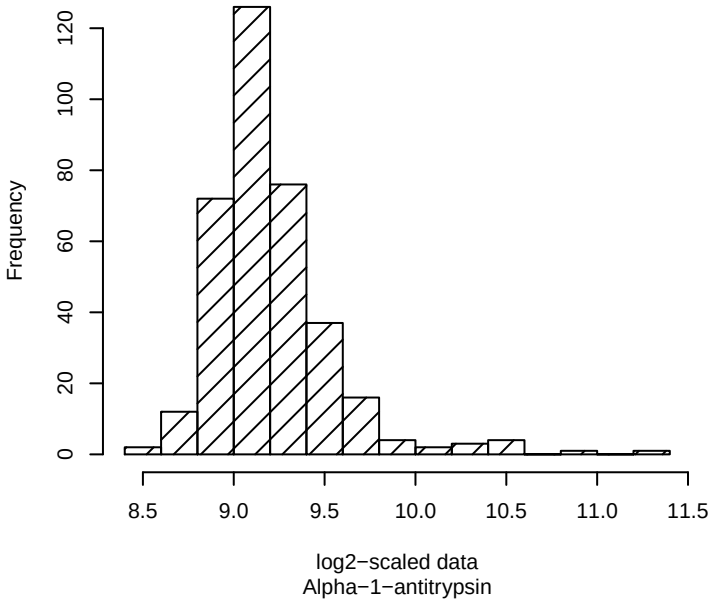
a1−Antitrypsin (Uniprot: P01009, ProbeID: 3580−25_8)



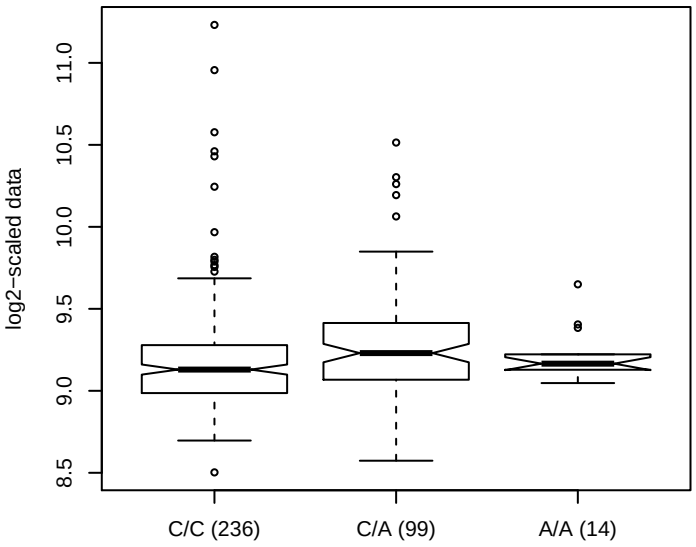
a1−Antitrypsin (Uniprot: P01009, ProbeID: 3580−25_8)



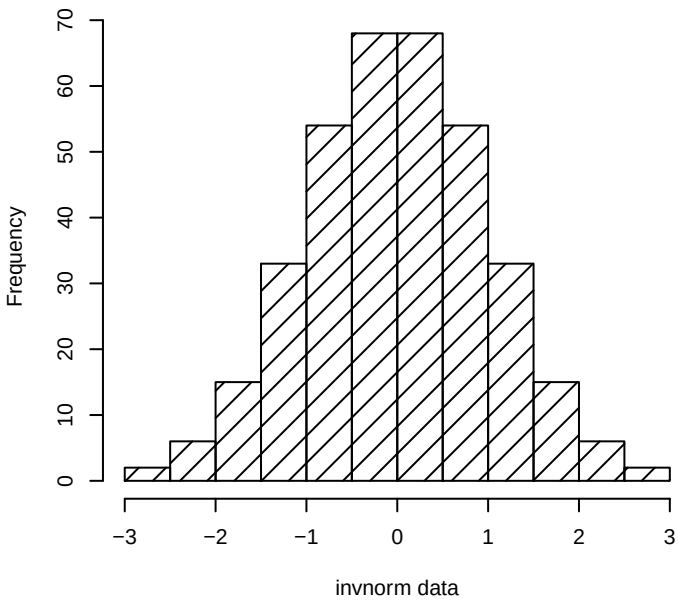
a1−Antitrypsin (Uniprot: P01009, ProbeID: 3580−25_8)



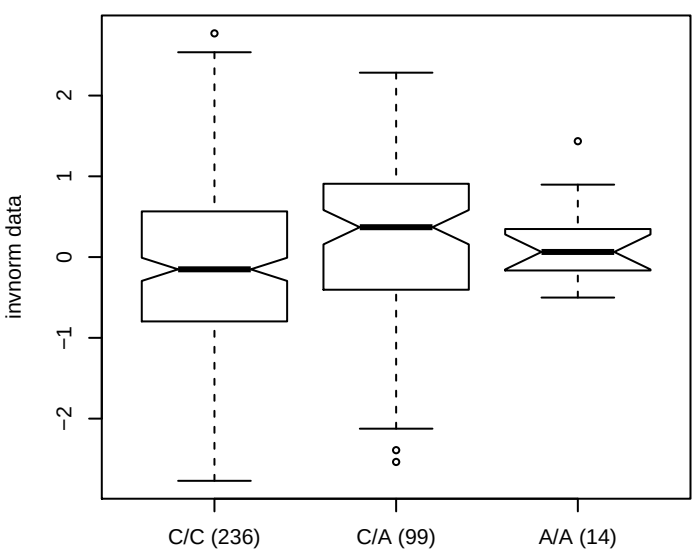
a1−Antitrypsin (Uniprot: P01009, ProbeID: 3580−25_8)

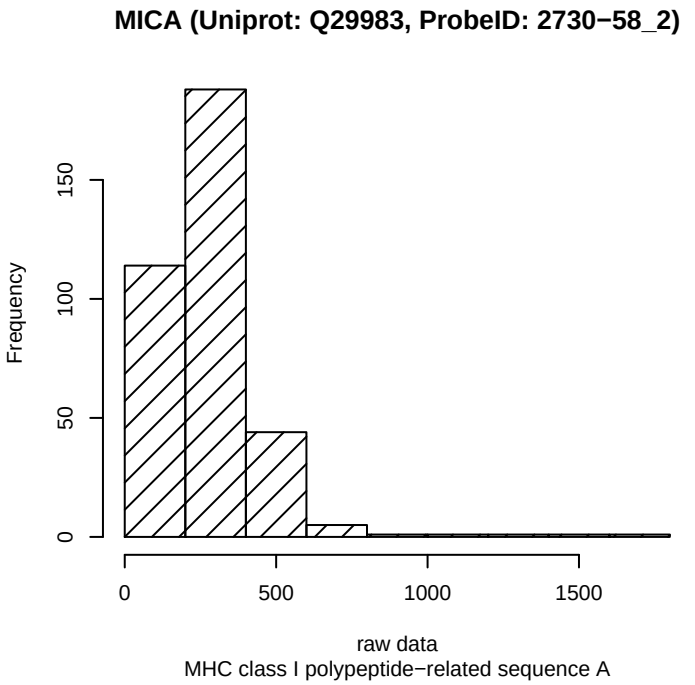


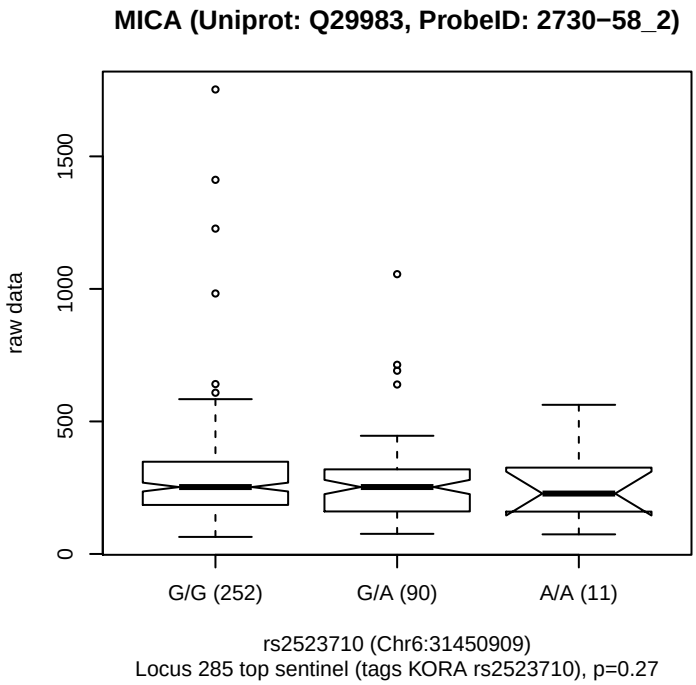
a1−Antitrypsin (Uniprot: P01009, ProbeID: 3580−25_8)

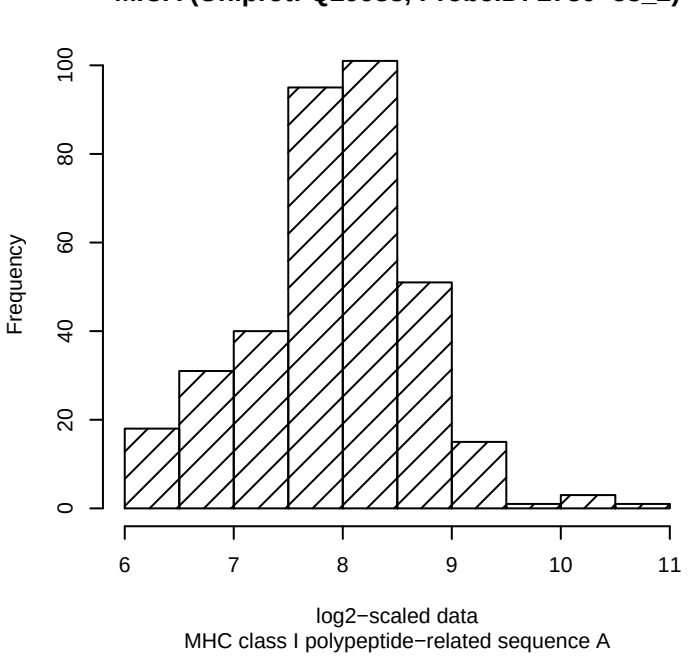


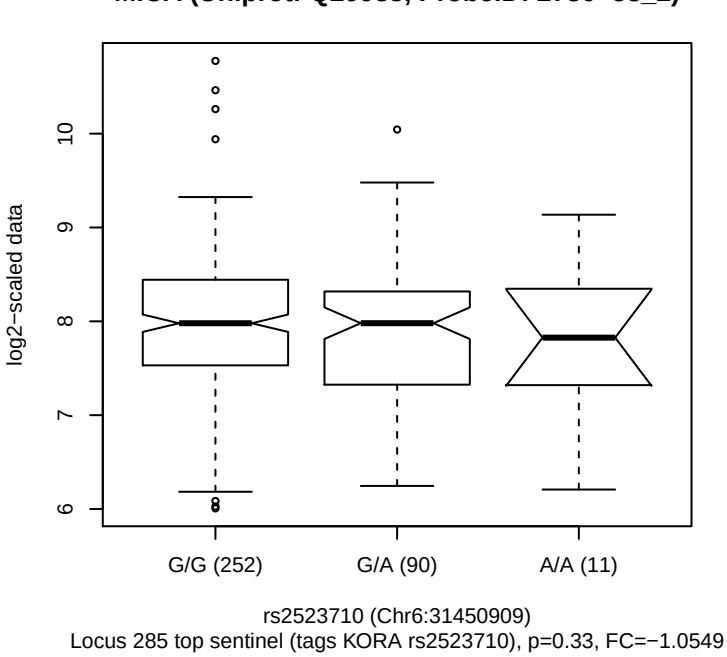
a1−Antitrypsin (Uniprot: P01009, ProbeID: 3580−25_8)

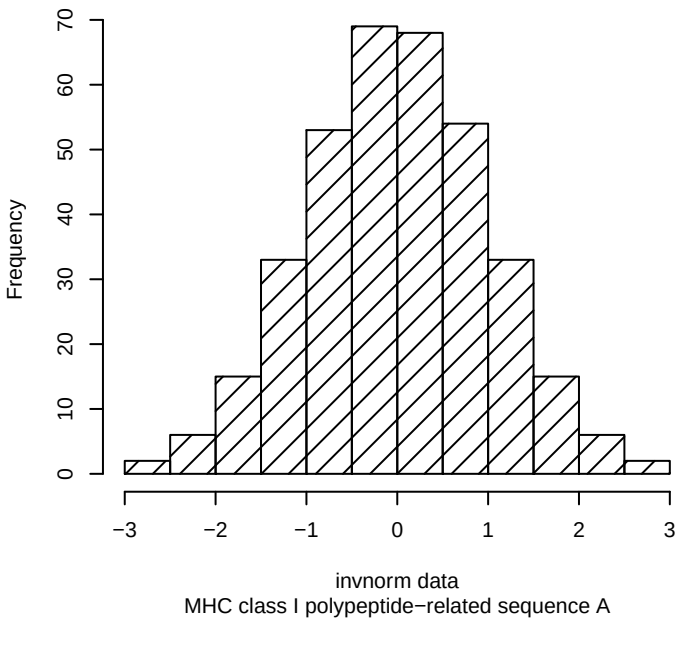


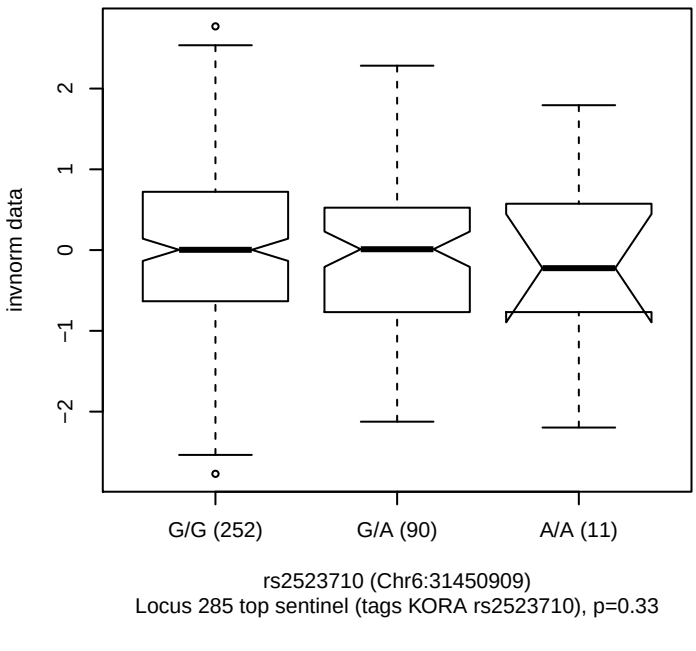

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
0
500
1000
1500
raw data
MHC class I polypeptide−related sequence A

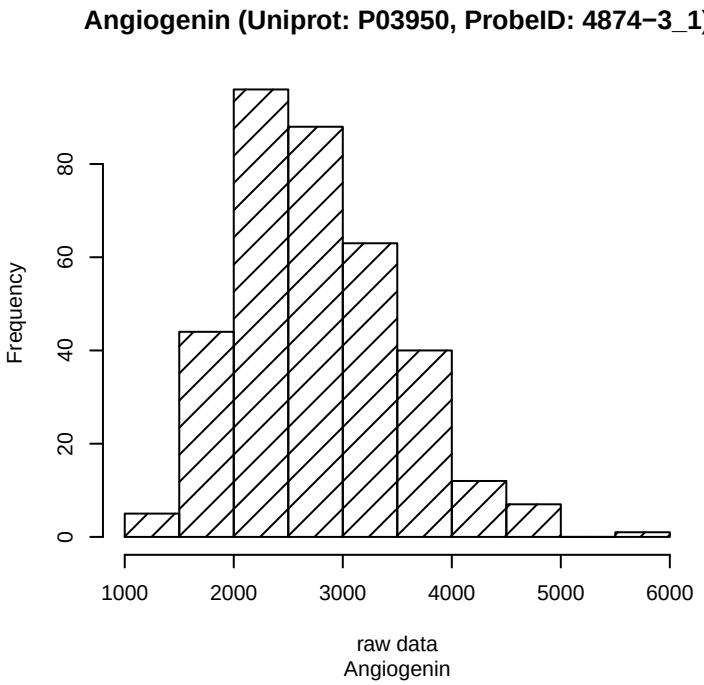

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
raw data
0
500
1000
1500
G/G (252)
G/A (90)
A/A (11)
rs2523710 (Chr6:31450909)
Locus 285 top sentinel (tags KORA rs2523710), p=0.27

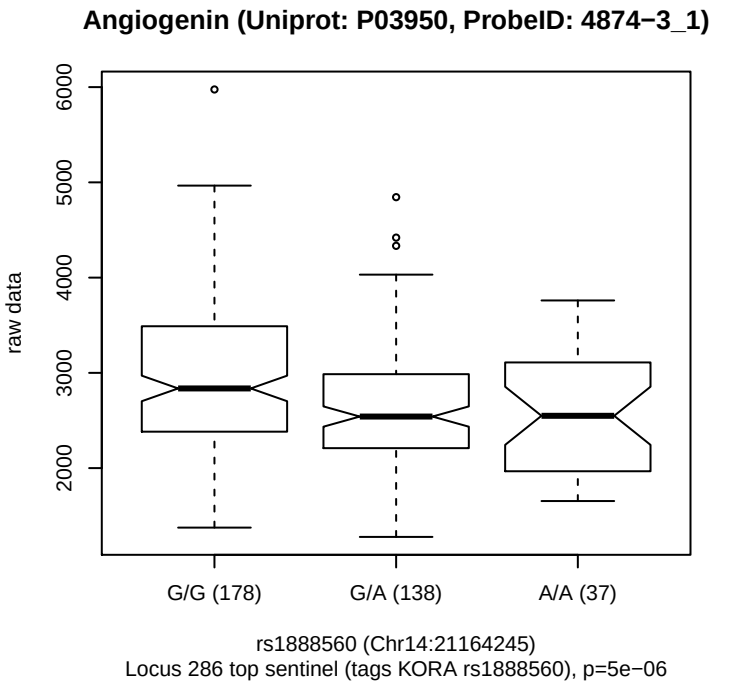

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
20
40
60
80
100
6
7
8
9
10
11
log2−scaled data
MHC class I polypeptide−related sequence A

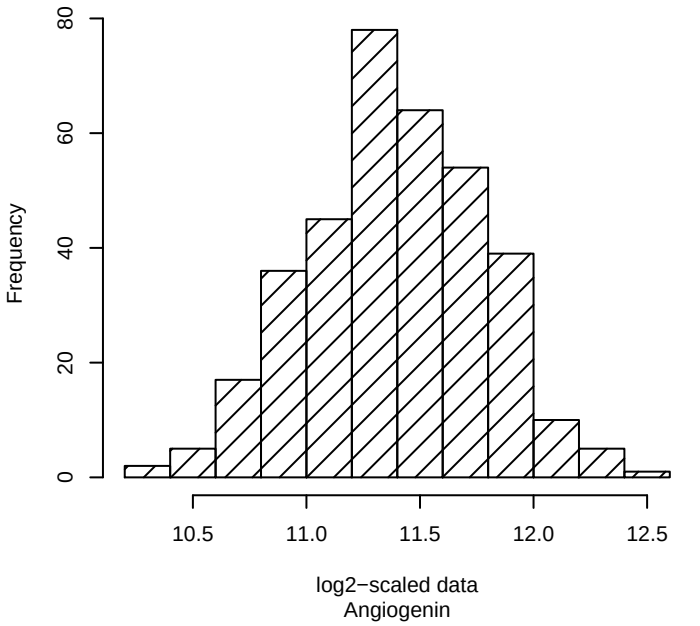

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
log2−scaled data
6
7
8
9
10
G/G (252)
G/A (90)
A/A (11)
rs2523710 (Chr6:31450909)
Locus 285 top sentinel (tags KORA rs2523710), p=0.33, FC=−1.0549

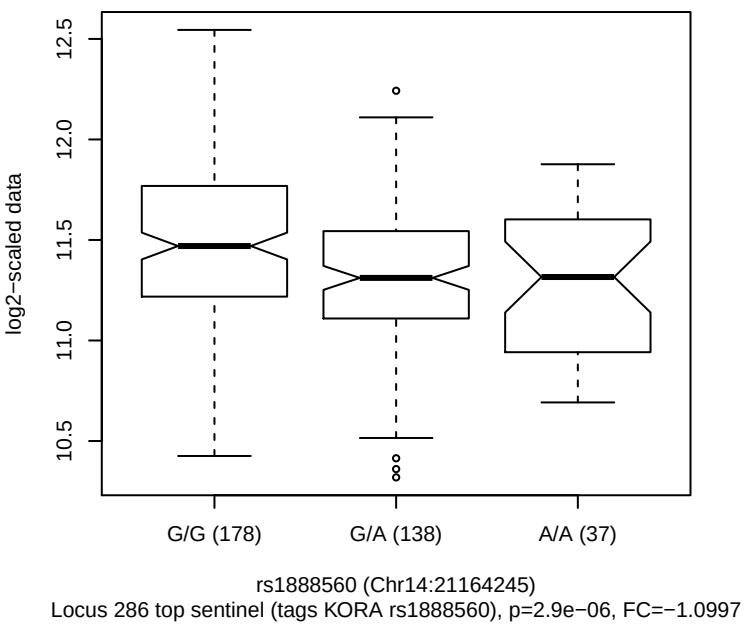

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence A

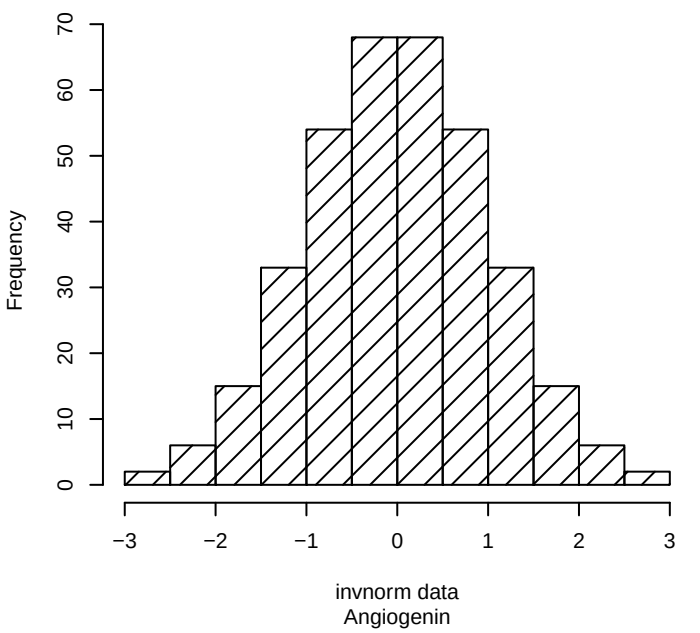

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
invnorm data
−2
−1
0
1
2
G/G (252)
G/A (90)
A/A (11)
rs2523710 (Chr6:31450909)
Locus 285 top sentinel (tags KORA rs2523710), p=0.33

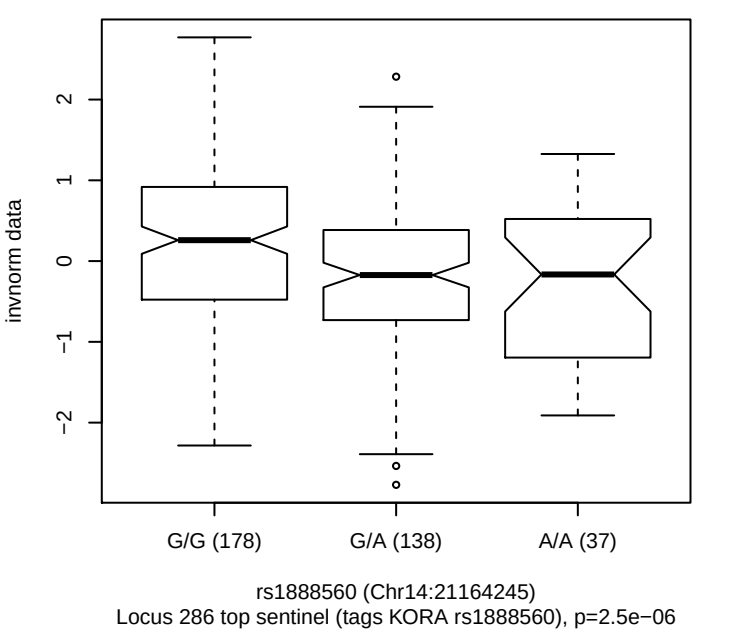

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
Frequency
0
20
40
60
80
1000
2000
3000
4000
5000
6000
raw data
Angiogenin

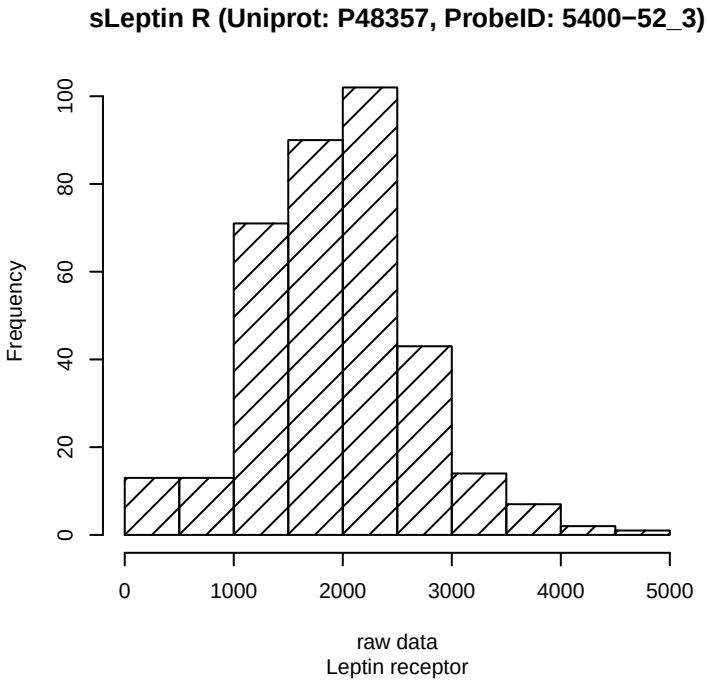

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
raw data
2000
3000
4000
5000
6000
G/G (178)
G/A (138)
A/A (37)
rs1888560 (Chr14:21164245)
Locus 286 top sentinel (tags KORA rs1888560), p=5e−06

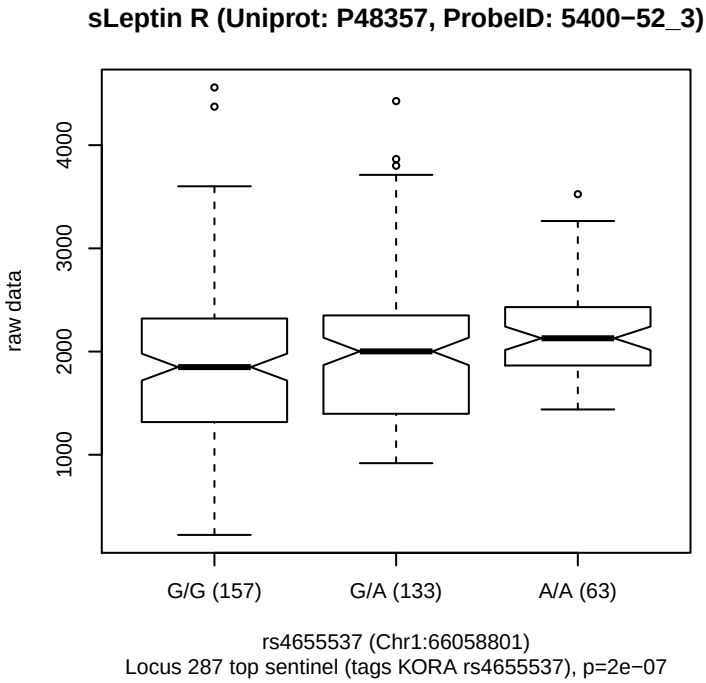

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
Frequency
0
20
40
60
80
10.5
11.0
11.5
12.0
12.5
log2−scaled data
Angiogenin

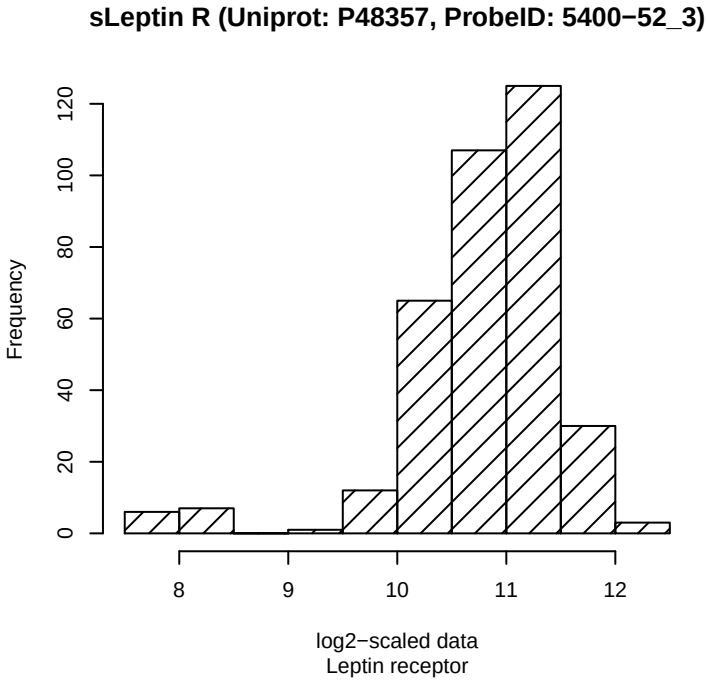

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
log2−scaled data
10.5
11.0
11.5
12.0
12.5
G/G (178)
G/A (138)
A/A (37)
rs1888560 (Chr14:21164245)
Locus 286 top sentinel (tags KORA rs1888560), p=2.9e−06, FC=−1.0997

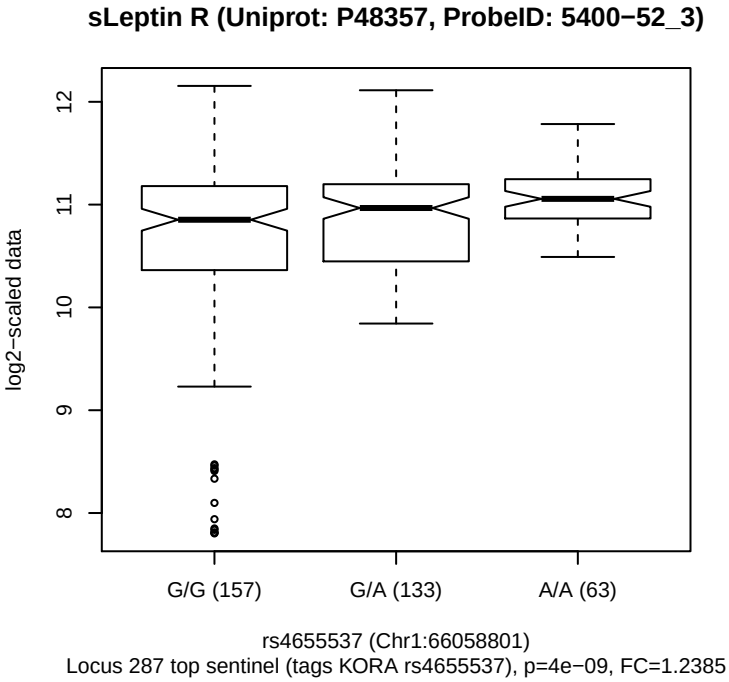

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Angiogenin

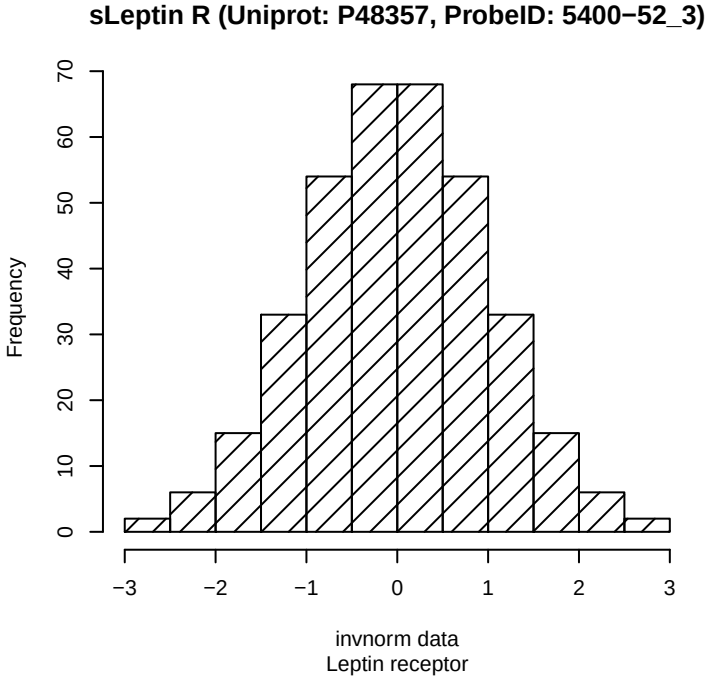

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
invnorm data
−2
−1
0
1
2
G/G (178)
G/A (138)
A/A (37)
rs1888560 (Chr14:21164245)
Locus 286 top sentinel (tags KORA rs1888560), p=2.5e−06

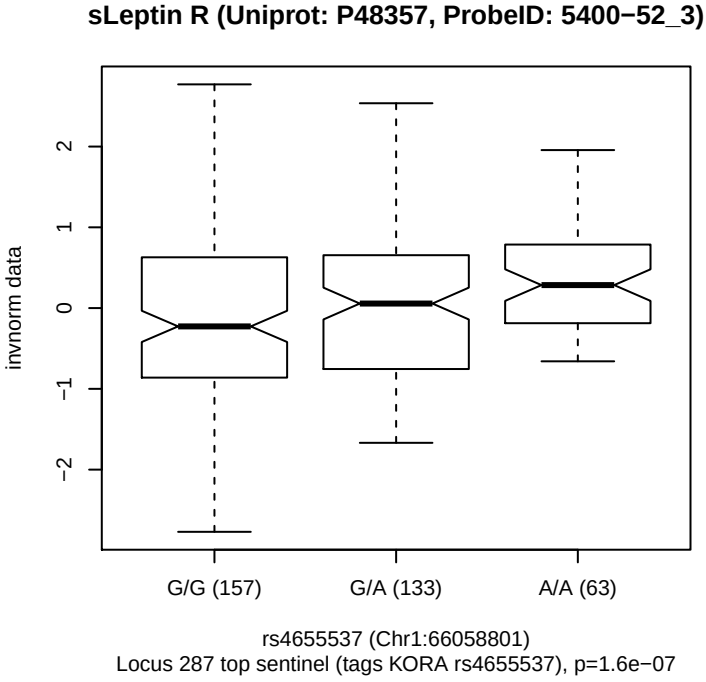

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
Frequency
0
20
40
60
80
100
0
1000
2000
3000
4000
5000
raw data
Leptin receptor

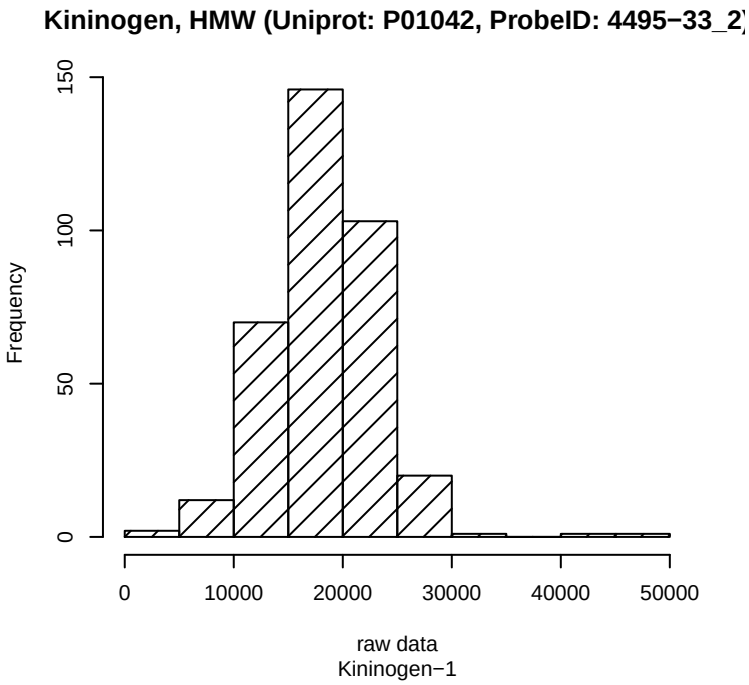

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
raw data
1000
2000
3000
4000
G/G (157)
G/A (133)
A/A (63)
rs4655537 (Chr1:66058801)
Locus 287 top sentinel (tags KORA rs4655537), p=2e−07

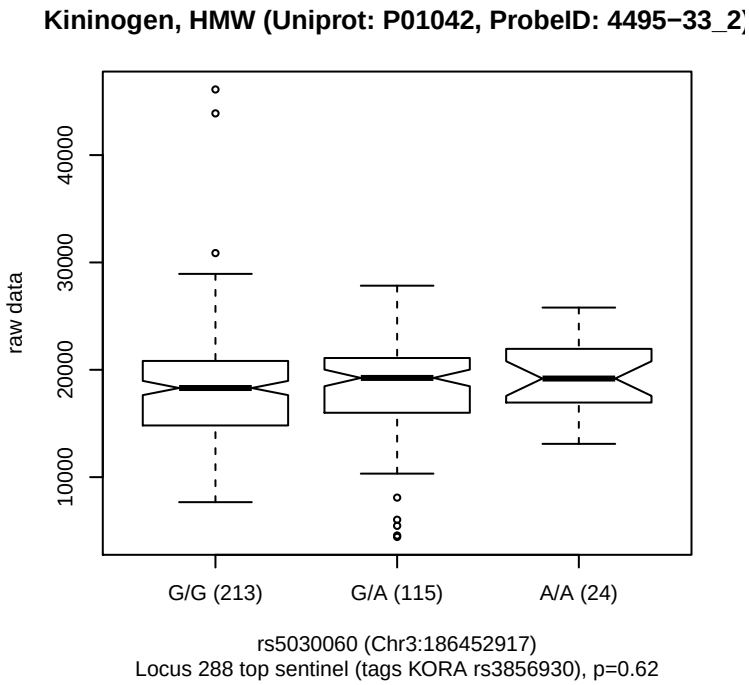

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
Frequency
0
20
40
60
80
100
120
8
9
10
11
12
log2−scaled data
Leptin receptor

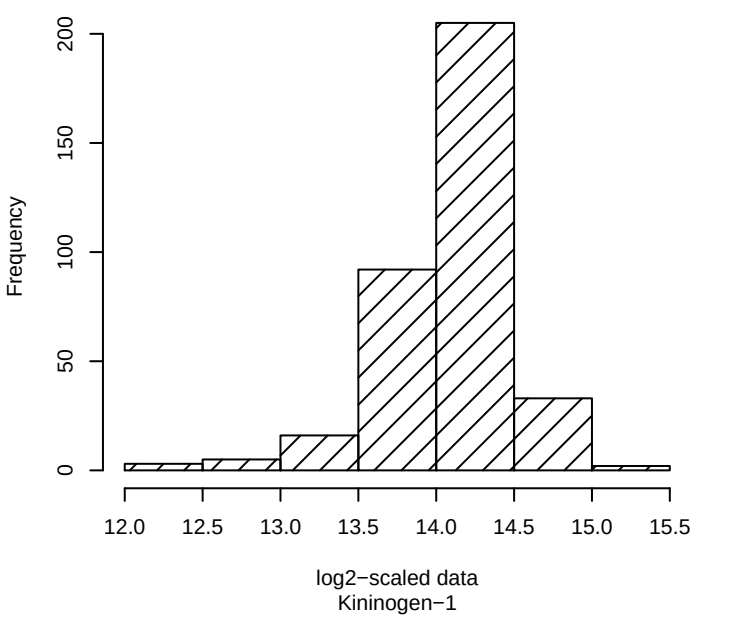

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
log2−scaled data
8
9
10
11
12
G/G (157)
G/A (133)
A/A (63)
rs4655537 (Chr1:66058801)
Locus 287 top sentinel (tags KORA rs4655537), p=4e−09, FC=1.2385

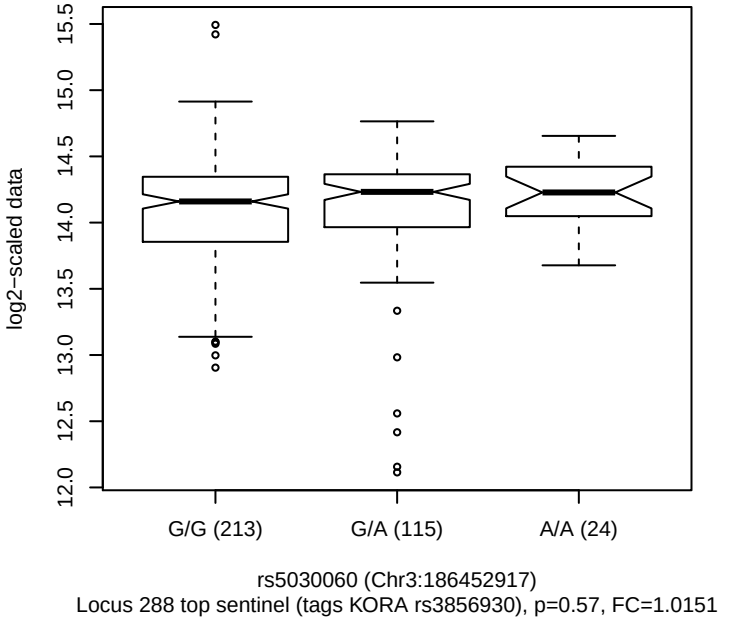

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Leptin receptor

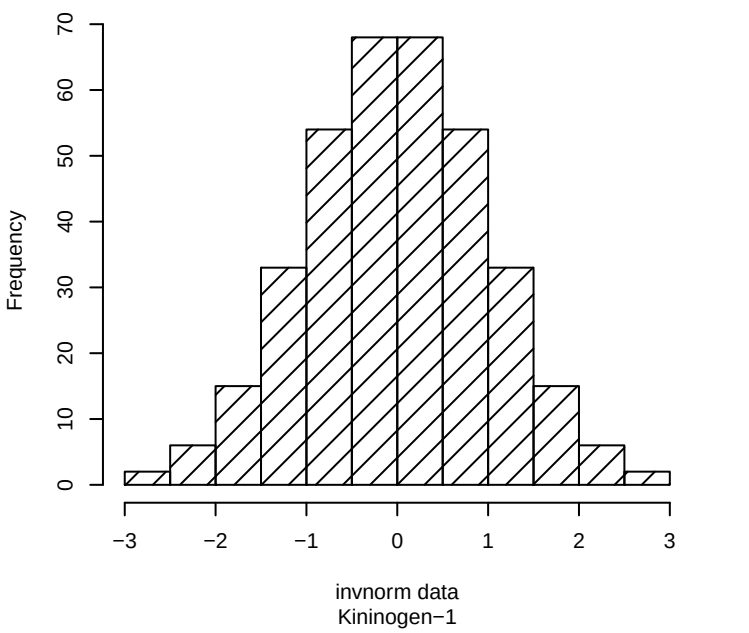

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
invnorm data
−2
−1
0
1
2
G/G (157)
G/A (133)
A/A (63)
rs4655537 (Chr1:66058801)
Locus 287 top sentinel (tags KORA rs4655537), p=1.6e−07

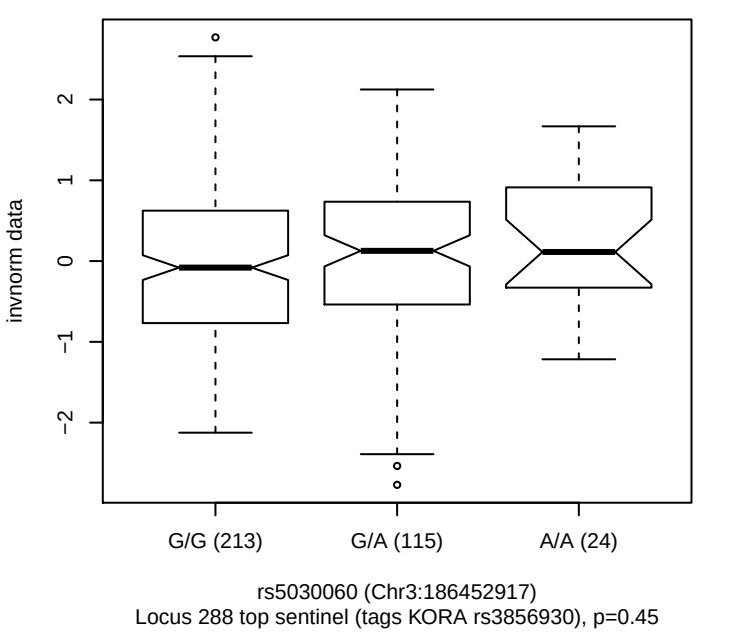

Kininogen, HMW (Uniprot: P01042, ProbeID: 4495−33_2)
Frequency
0
50
100
150
0
10000
20000
30000
40000
50000
raw data
Kininogen−1


Kininogen, HMW (Uniprot: P01042, ProbeID: 4495−33_2)
raw data
10000
20000
30000
40000
G/G (213)
G/A (115)
A/A (24)
rs5030060 (Chr3:186452917)
Locus 288 top sentinel (tags KORA rs3856930), p=0.62

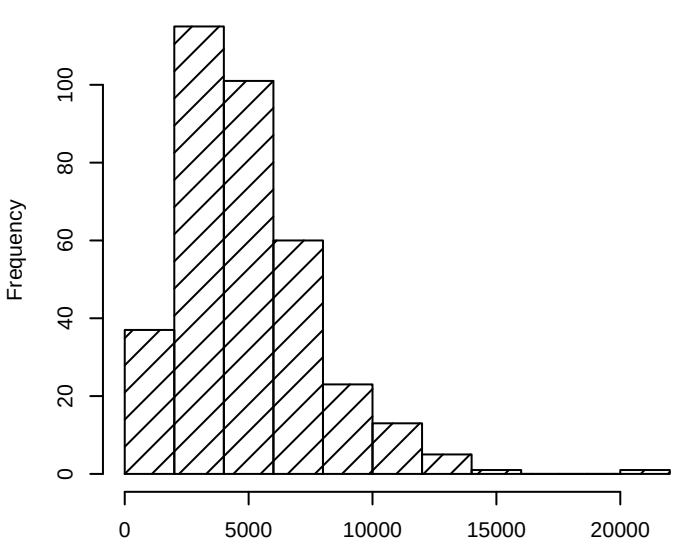

Kininogen, HMW (Uniprot: P01042, ProbeID: 4495−33_2)
Frequency
0
50
100
150
200
12.0
12.5
13.0
13.5
14.0
14.5
15.0
15.5
log2−scaled data
Kininogen−1


Kininogen, HMW (Uniprot: P01042, ProbeID: 4495−33_2)
log2−scaled data
12.0
12.5
13.0
13.5
14.0
14.5
15.0
15.5
G/G (213)
G/A (115)
A/A (24)
rs5030060 (Chr3:186452917)
Locus 288 top sentinel (tags KORA rs3856930), p=0.57, FC=1.0151

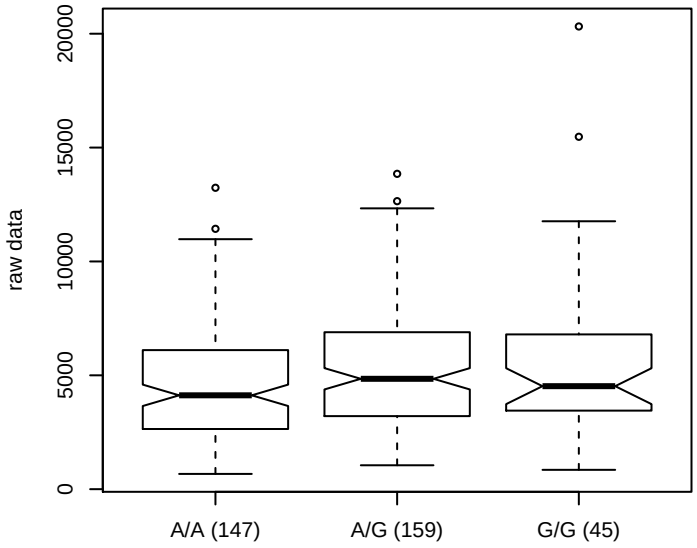

Kininogen, HMW (Uniprot: P01042, ProbeID: 4495−33_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Kininogen−1


Kininogen, HMW (Uniprot: P01042, ProbeID: 4495−33_2)
invnorm data
−2
−1
0
1
2
G/G (213)
G/A (115)
A/A (24)
rs5030060 (Chr3:186452917)
Locus 288 top sentinel (tags KORA rs3856930), p=0.45

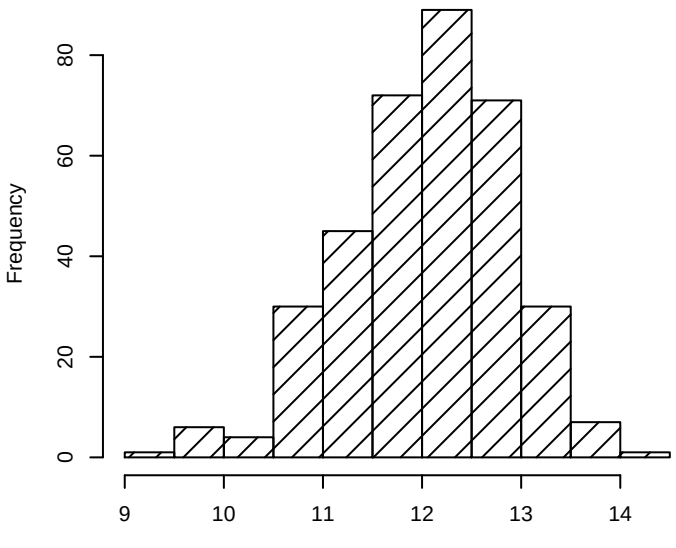
Carbonic anhydrase 6 (Uniprot: P23280, ProbeID: 3352−80



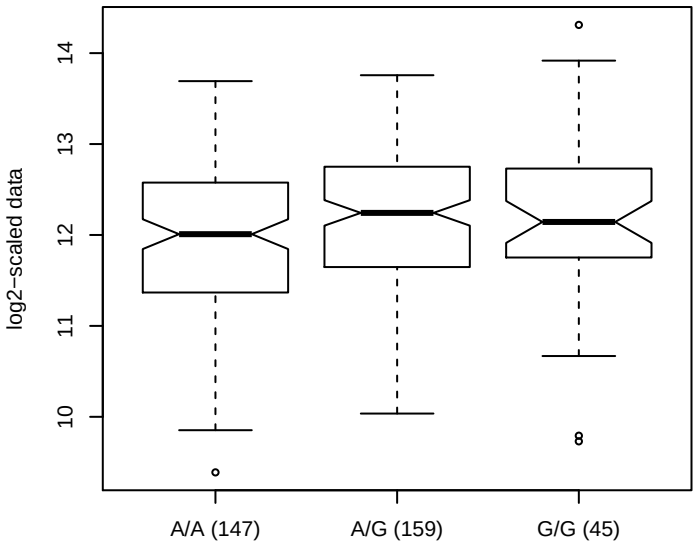
Carbonic anhydrase 6 (Uniprot: P23280, ProbeID: 3352−80



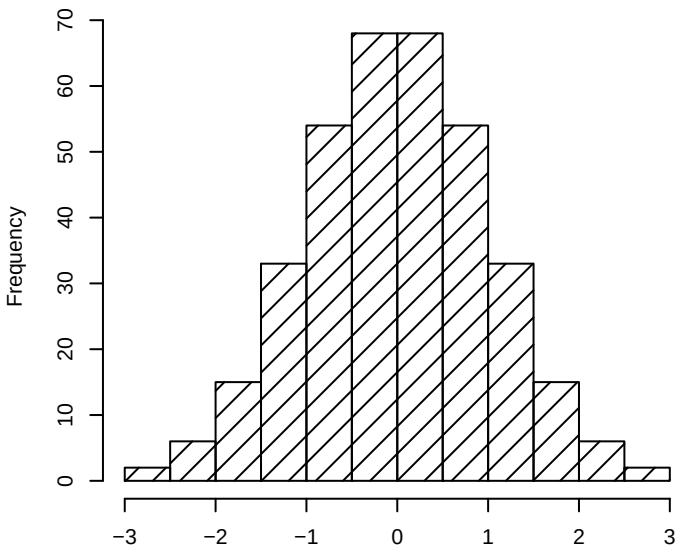
Carbonic anhydrase 6 (Uniprot: P23280, ProbeID: 3352−80



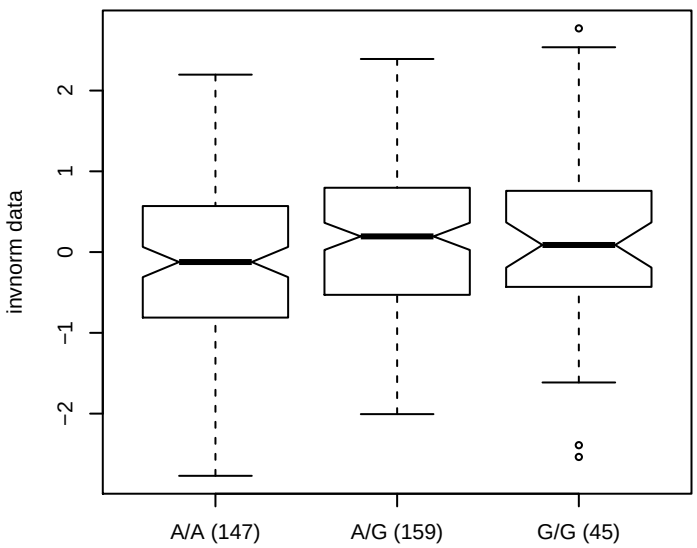
Carbonic anhydrase 6 (Uniprot: P23280, ProbeID: 3352−80

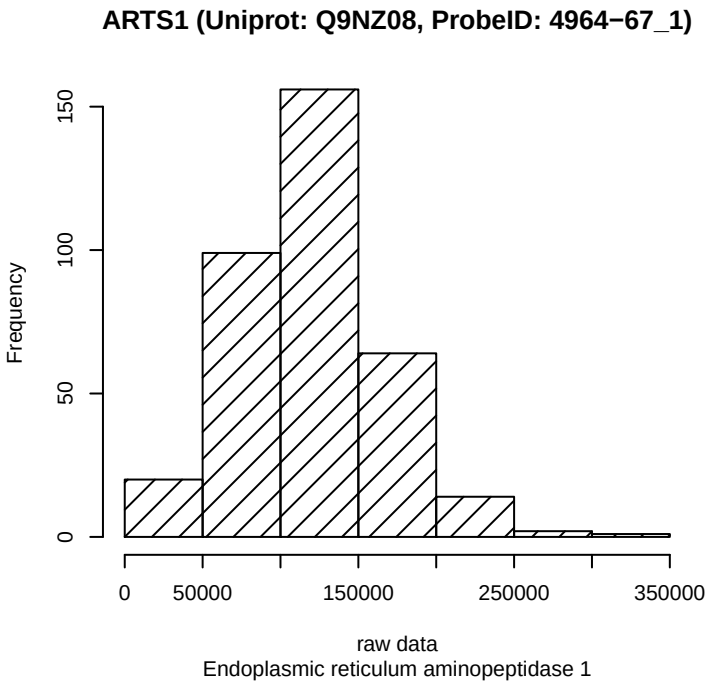


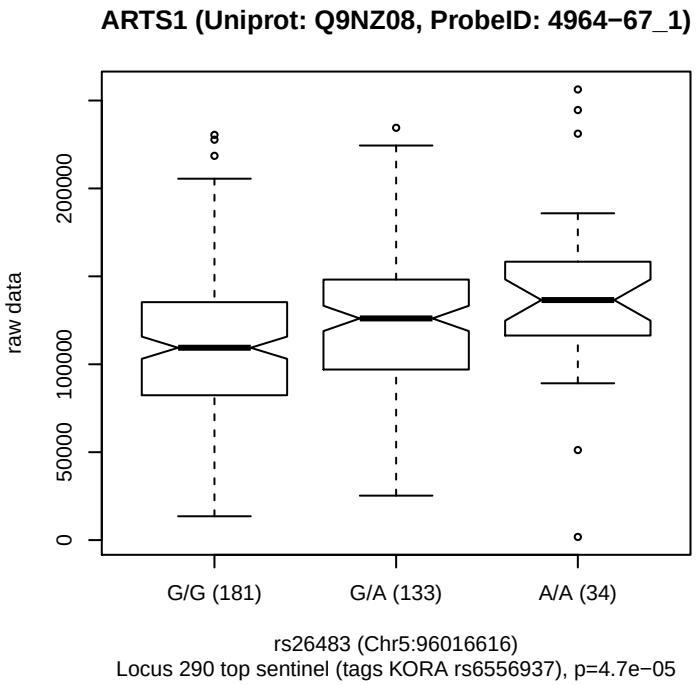
Carbonic anhydrase 6 (Uniprot: P23280, ProbeID: 3352−80

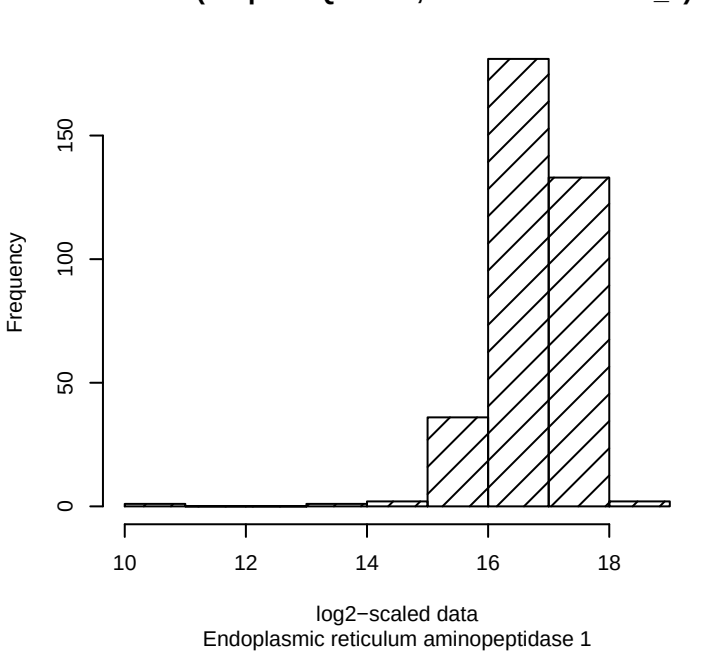


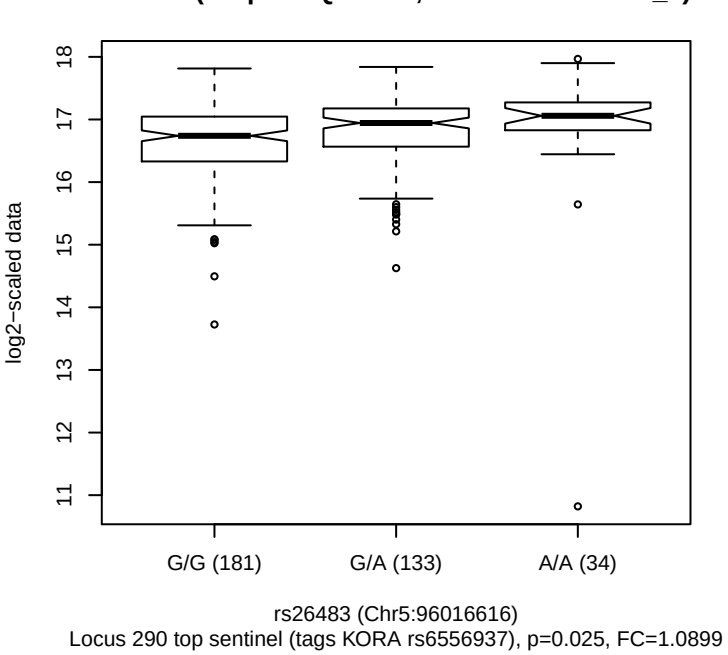
Carbonic anhydrase 6 (Uniprot: P23280, ProbeID: 3352−80

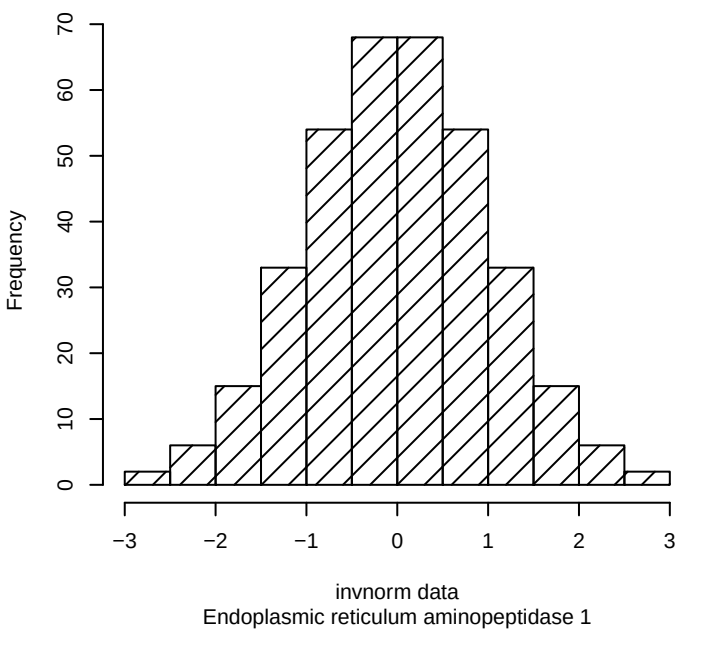


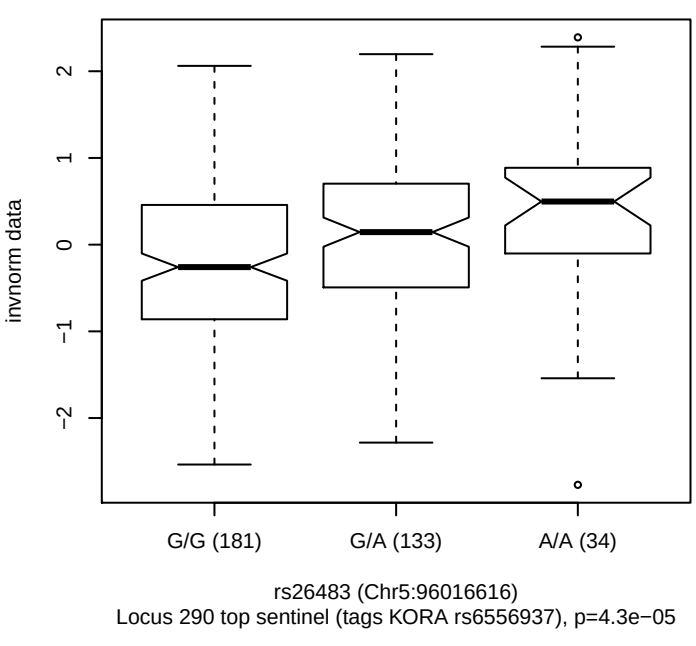

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
Frequency
0
50
100
150
0
50000
150000
250000
350000
raw data
Endoplasmic reticulum aminopeptidase 1

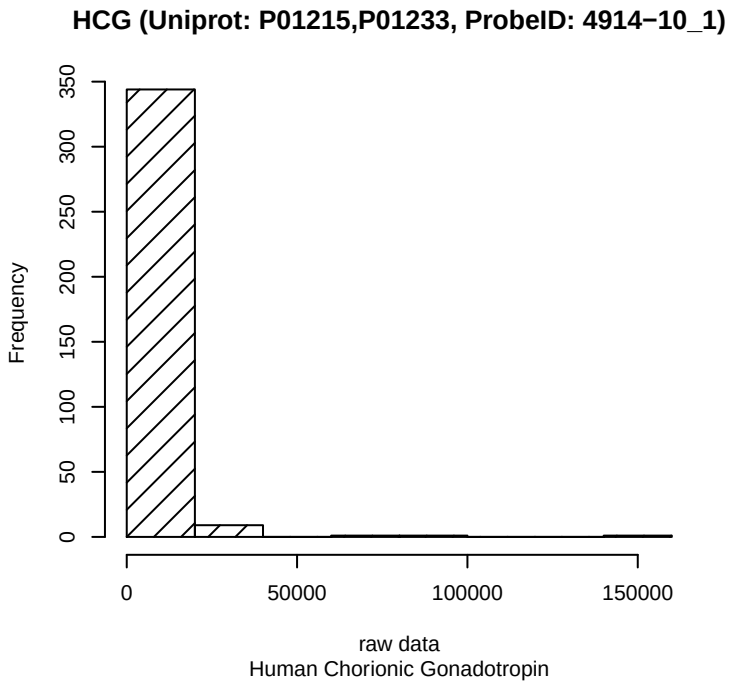

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
raw data
0
50000
100000
200000
G/G (181)
G/A (133)
A/A (34)
rs26483 (Chr5:96016616)
Locus 290 top sentinel (tags KORA rs6556937), p=4.7e−05

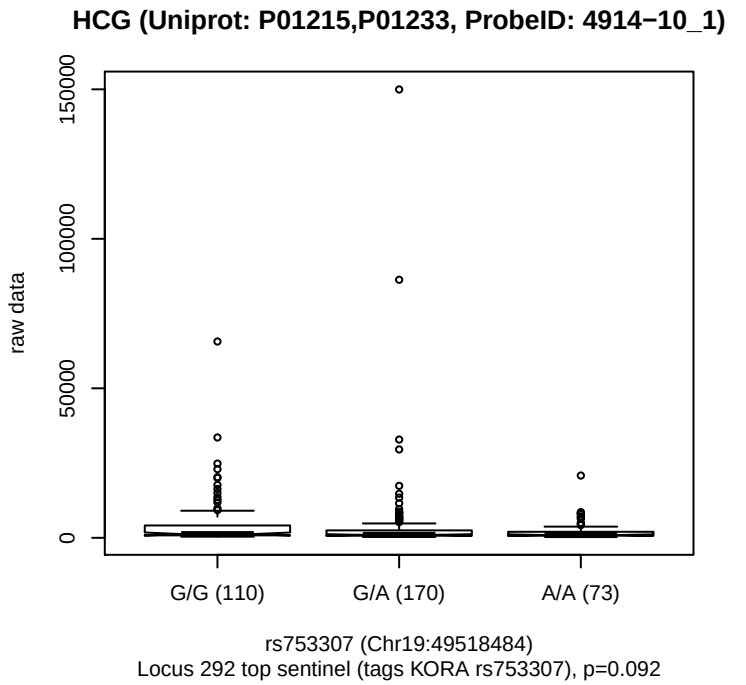

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
Frequency
0
50
100
150
10
12
14
16
18
log2−scaled data
Endoplasmic reticulum aminopeptidase 1

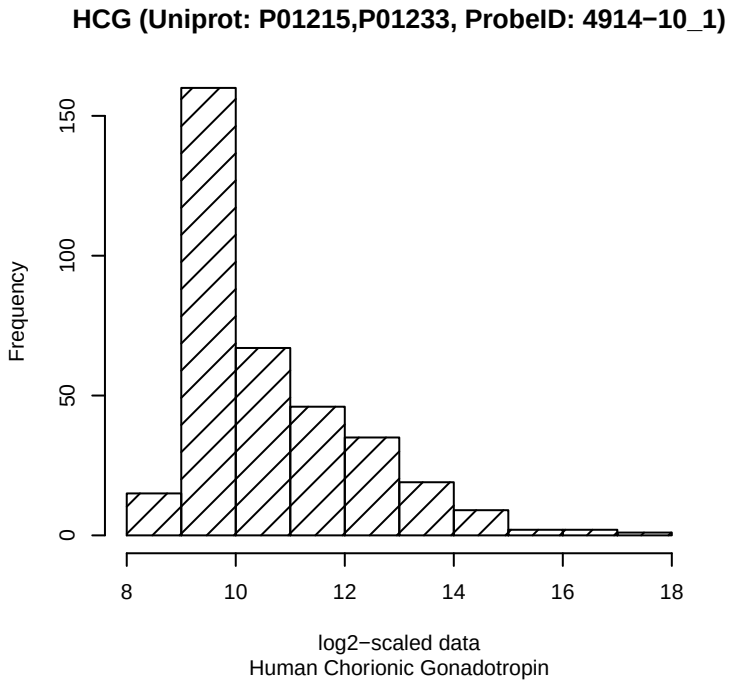

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
log2−scaled data
11
12
13
14
15
16
17
18
G/G (181)
G/A (133)
A/A (34)
rs26483 (Chr5:96016616)
Locus 290 top sentinel (tags KORA rs6556937), p=0.025, FC=1.0899

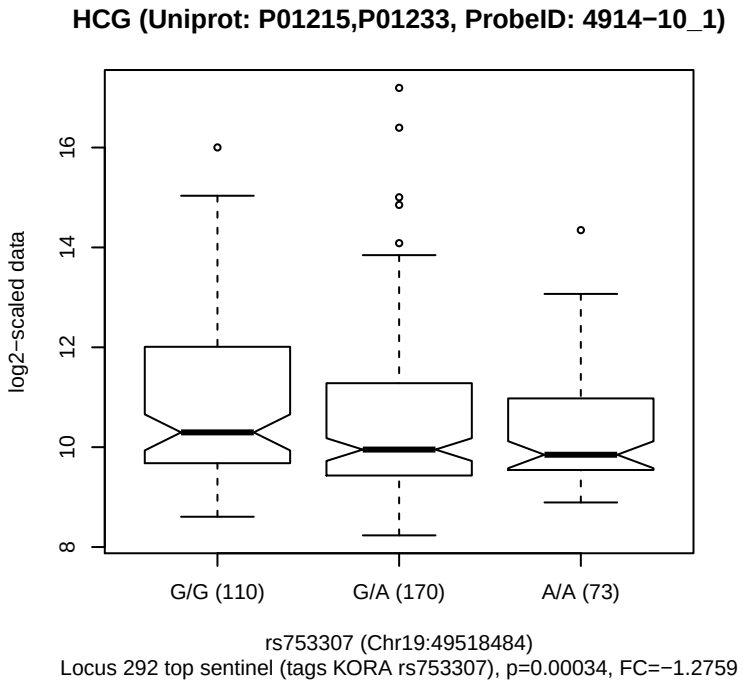

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Endoplasmic reticulum aminopeptidase 1

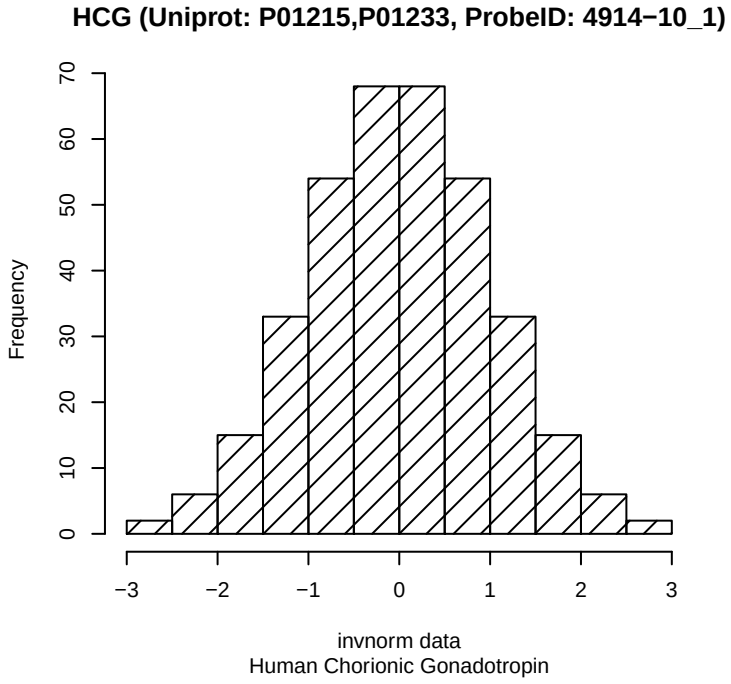

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
invnorm data
−2
−1
0
1
2
G/G (181)
G/A (133)
A/A (34)
rs26483 (Chr5:96016616)
Locus 290 top sentinel (tags KORA rs6556937), p=4.3e−05

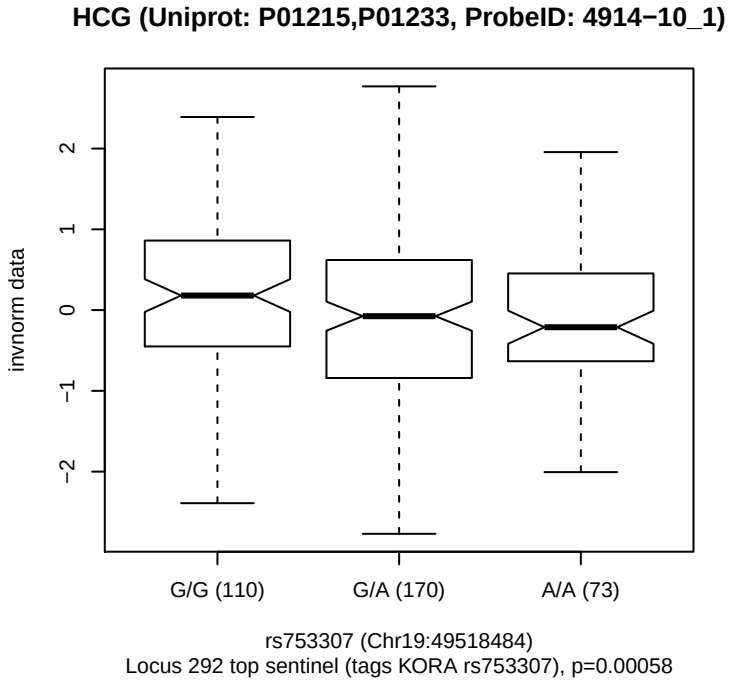

HCG (Uniprot: P01215,P01233, ProbeID: 4914−10_1)
Frequency
0
50
100
150
200
250
300
350
0
50000
100000
150000
raw data
Human Chorionic Gonadotropin

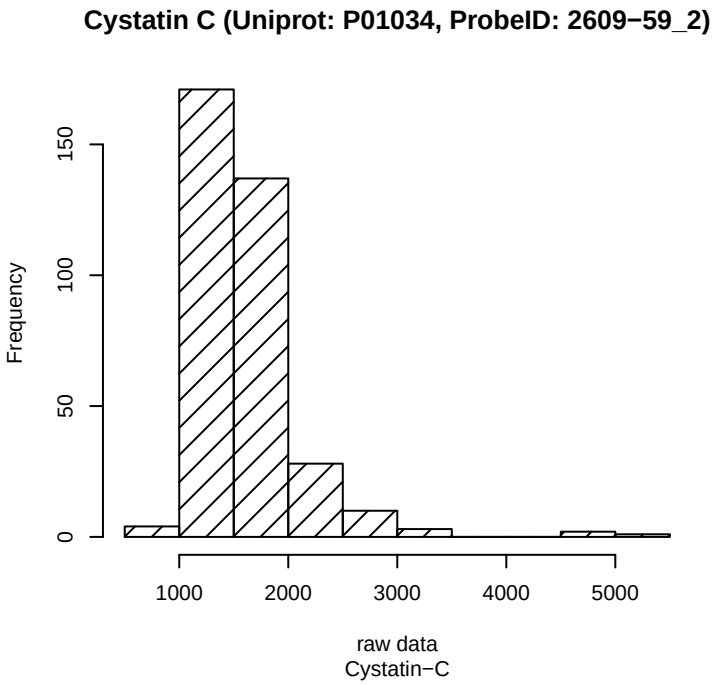

HCG (Uniprot: P01215,P01233, ProbeID: 4914−10_1)
raw data
0
50000
100000
150000
G/G (110)
G/A (170)
A/A (73)
rs753307 (Chr19:49518484)
Locus 292 top sentinel (tags KORA rs753307), p=0.092

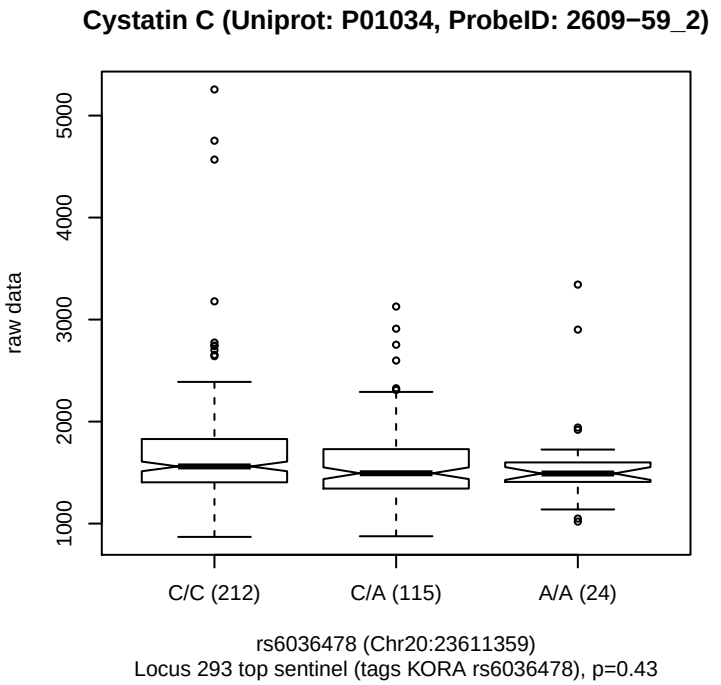

HCG (Uniprot: P01215,P01233, ProbeID: 4914−10_1)
Frequency
0
50
100
150
8
10
12
14
16
18
log2−scaled data
Human Chorionic Gonadotropin

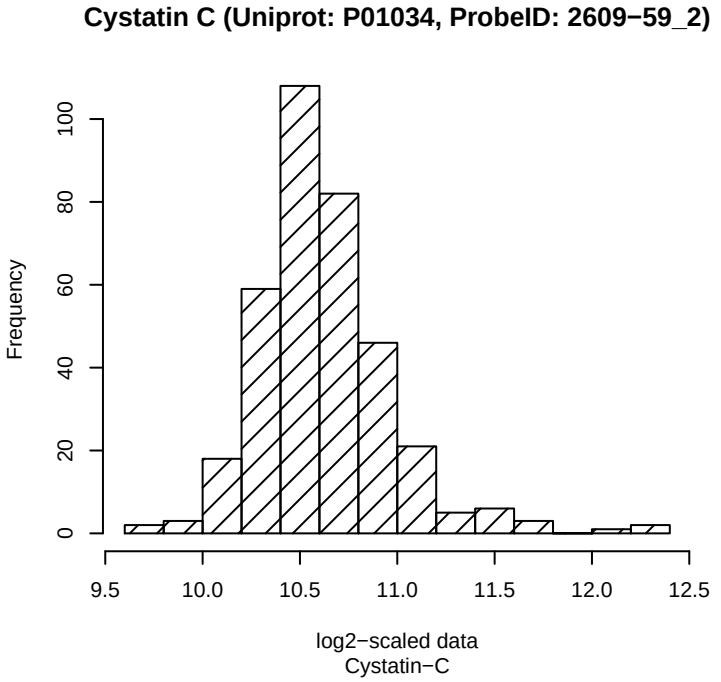

HCG (Uniprot: P01215,P01233, ProbeID: 4914−10_1)
log2−scaled data
8
10
12
14
16
G/G (110)
G/A (170)
A/A (73)
rs753307 (Chr19:49518484)
Locus 292 top sentinel (tags KORA rs753307), p=0.00034, FC=−1.2759

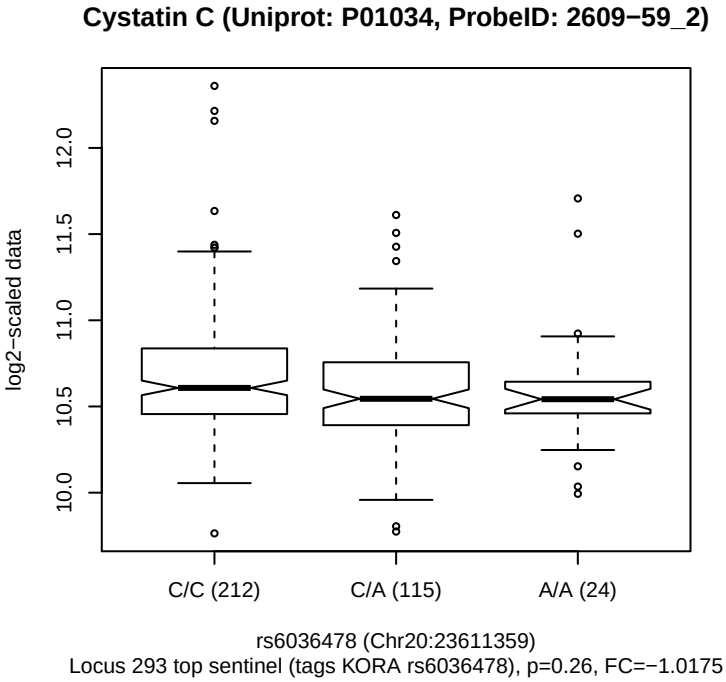

HCG (Uniprot: P01215,P01233, ProbeID: 4914−10_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Human Chorionic Gonadotropin

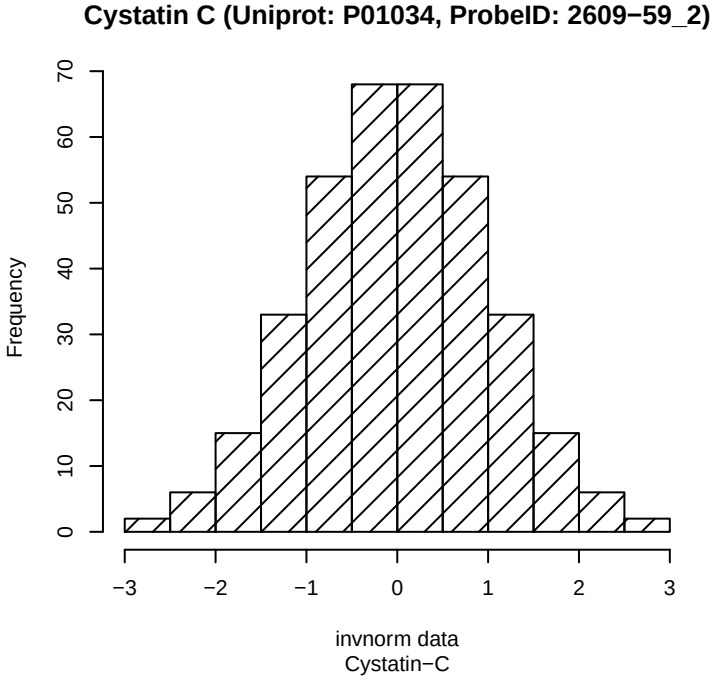

HCG (Uniprot: P01215,P01233, ProbeID: 4914−10_1)
invnorm data
−2
−1
0
1
2
G/G (110)
G/A (170)
A/A (73)
rs753307 (Chr19:49518484)
Locus 292 top sentinel (tags KORA rs753307), p=0.00058

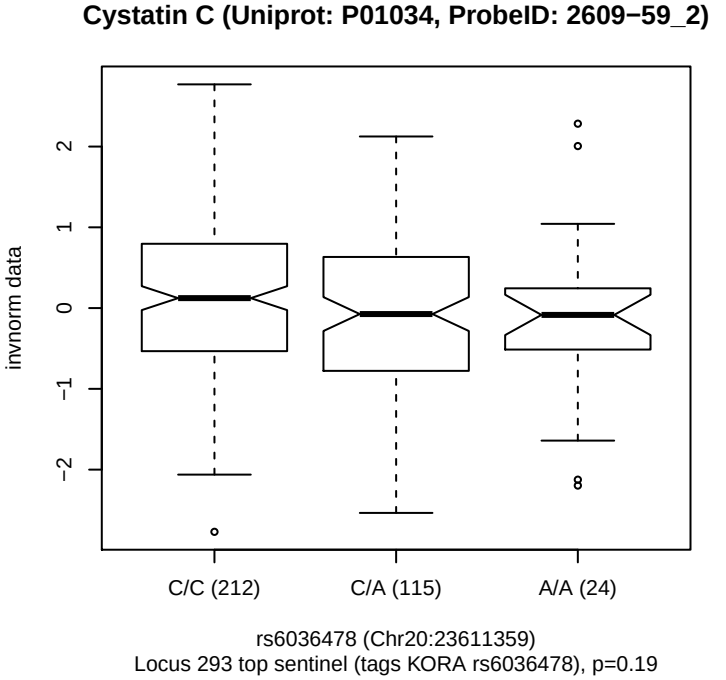

Cystatin C (Uniprot: P01034, ProbeID: 2609−59_2)
Frequency
0
50
100
150
1000
2000
3000
4000
5000
raw data
Cystatin−C

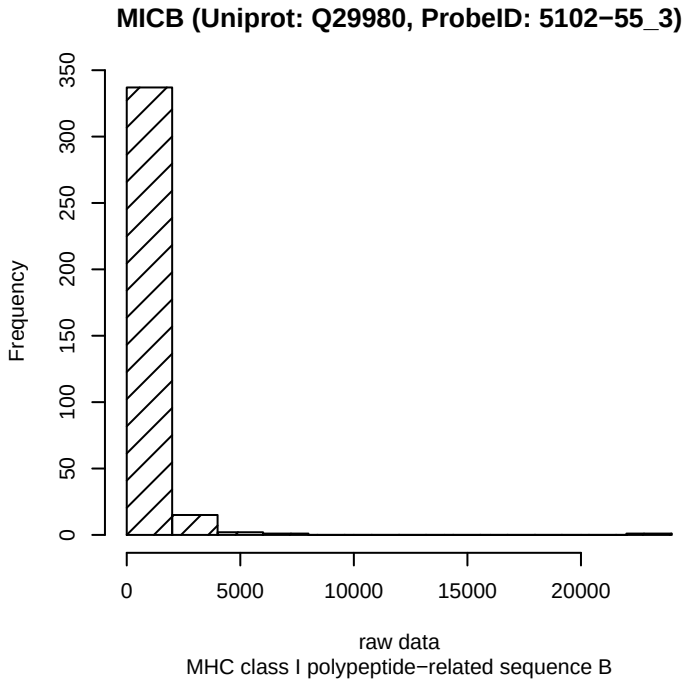

Cystatin C (Uniprot: P01034, ProbeID: 2609−59_2)
raw data
1000
2000
3000
4000
5000
C/C (212)
C/A (115)
A/A (24)
rs6036478 (Chr20:23611359)
Locus 293 top sentinel (tags KORA rs6036478), p=0.43

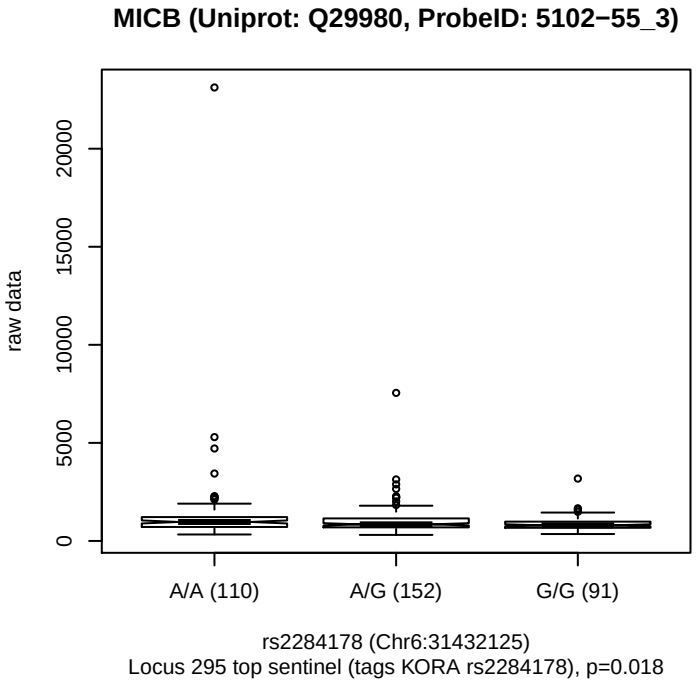

Cystatin C (Uniprot: P01034, ProbeID: 2609−59_2)
Frequency
0
20
40
60
80
100
9.5
10.0
10.5
11.0
11.5
12.0
12.5
log2−scaled data
Cystatin−C

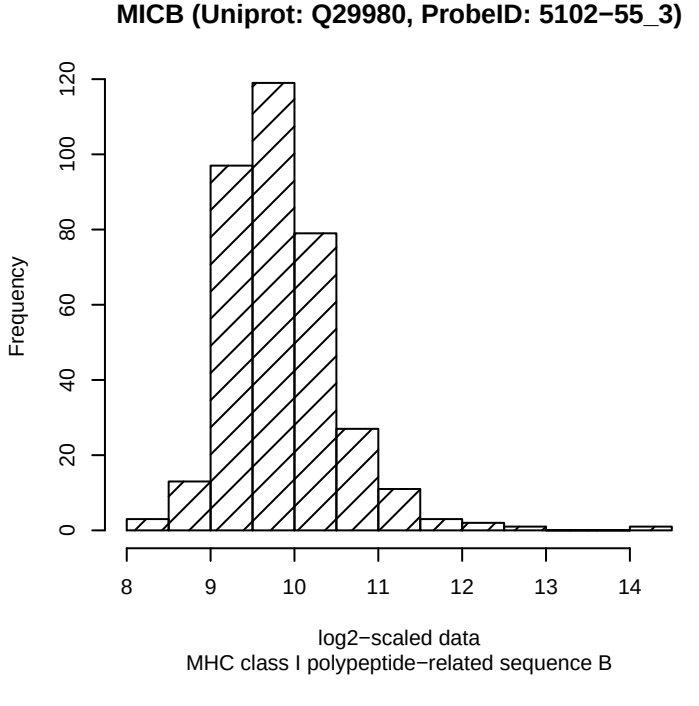

Cystatin C (Uniprot: P01034, ProbeID: 2609−59_2)
log2−scaled data
10.0
10.5
11.0
11.5
12.0
C/C (212)
C/A (115)
A/A (24)
rs6036478 (Chr20:23611359)
Locus 293 top sentinel (tags KORA rs6036478), p=0.26, FC=−1.0175

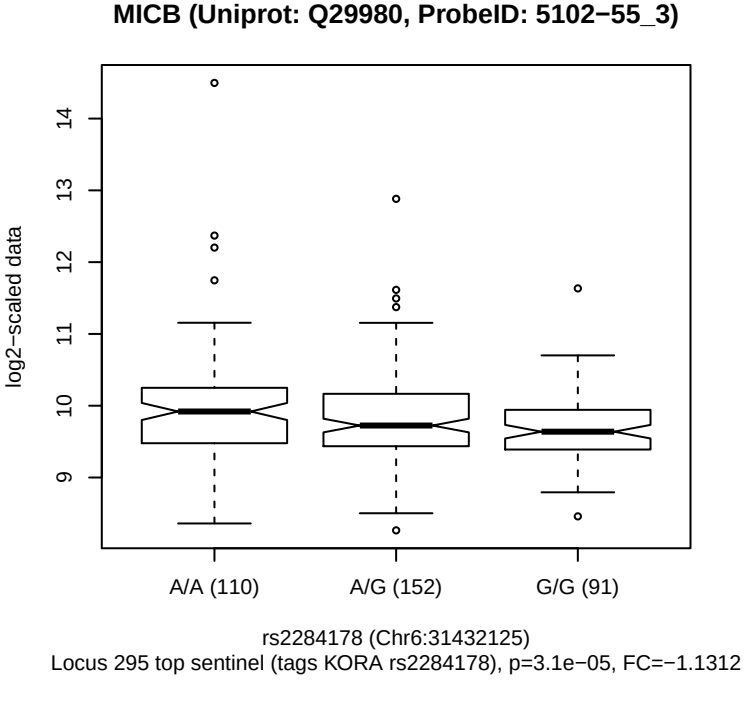

Cystatin C (Uniprot: P01034, ProbeID: 2609−59_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Cystatin−C

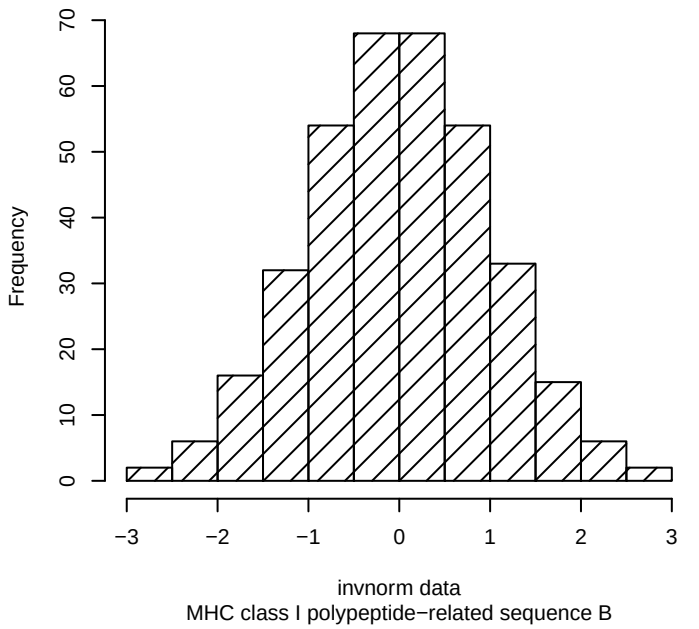

Cystatin C (Uniprot: P01034, ProbeID: 2609−59_2)
invnorm data
−2
−1
0
1
2
C/C (212)
C/A (115)
A/A (24)
rs6036478 (Chr20:23611359)
Locus 293 top sentinel (tags KORA rs6036478), p=0.19

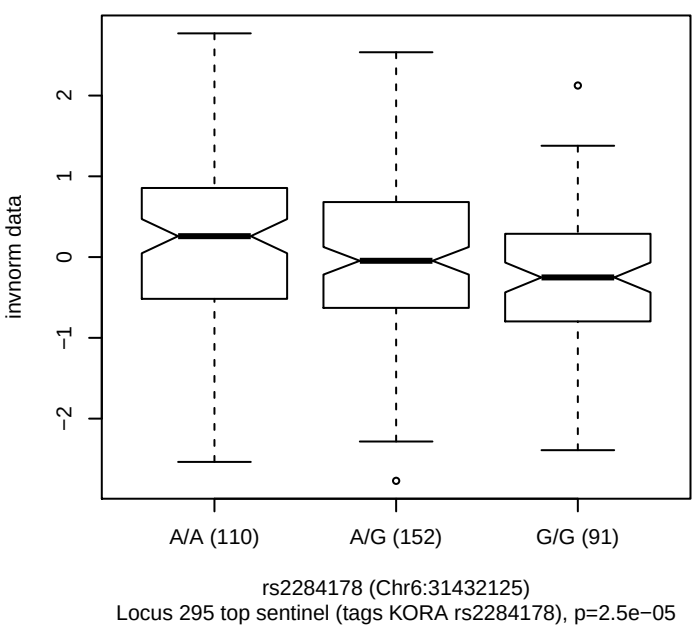

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
50
100
150
200
250
300
350
0
5000
10000
15000
20000
raw data
MHC class I polypeptide−related sequence B

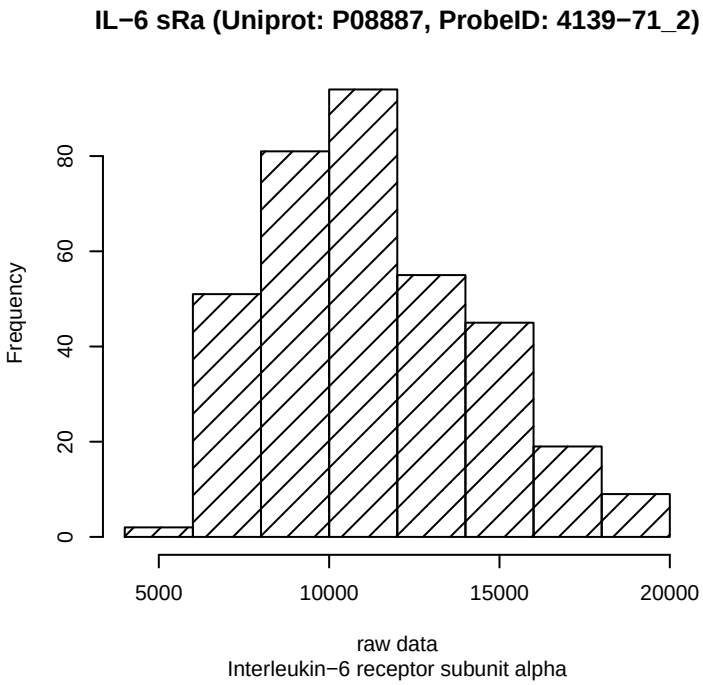

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
raw data
0
5000
10000
15000
20000
A/A (110)
A/G (152)
G/G (91)
rs2284178 (Chr6:31432125)
Locus 295 top sentinel (tags KORA rs2284178), p=0.018

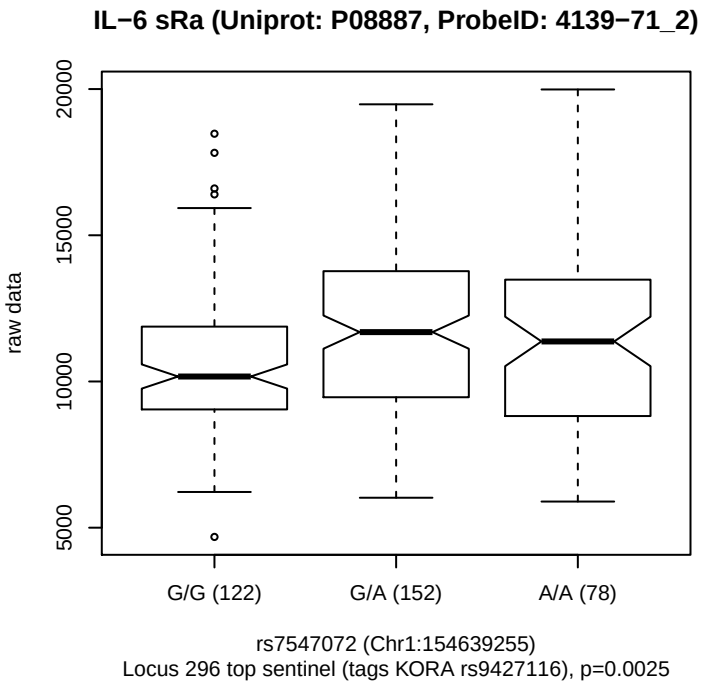

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
20
40
60
80
100
120
8
9
10
11
12
13
14
log2−scaled data
MHC class I polypeptide−related sequence B

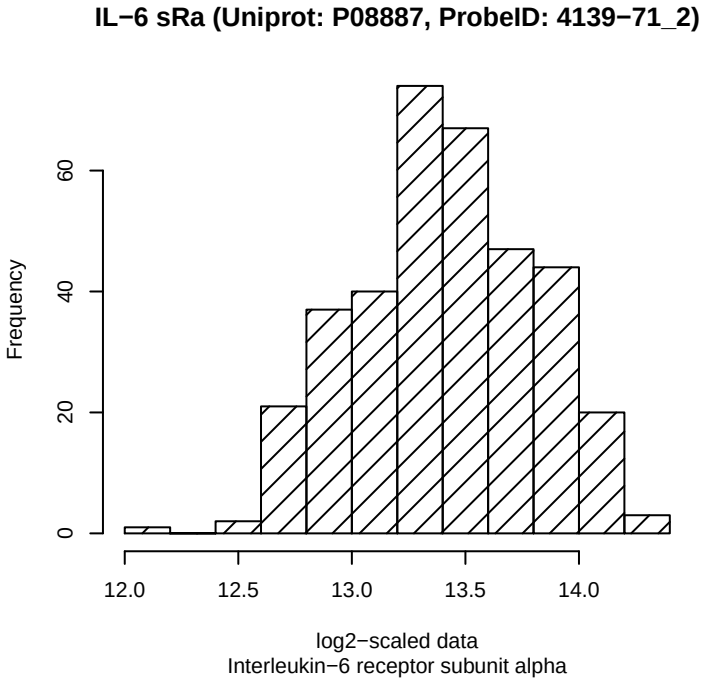

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
log2−scaled data
9
10
11
12
13
14
A/A (110)
A/G (152)
G/G (91)
rs2284178 (Chr6:31432125)
Locus 295 top sentinel (tags KORA rs2284178), p=3.1e−05, FC=−1.1312

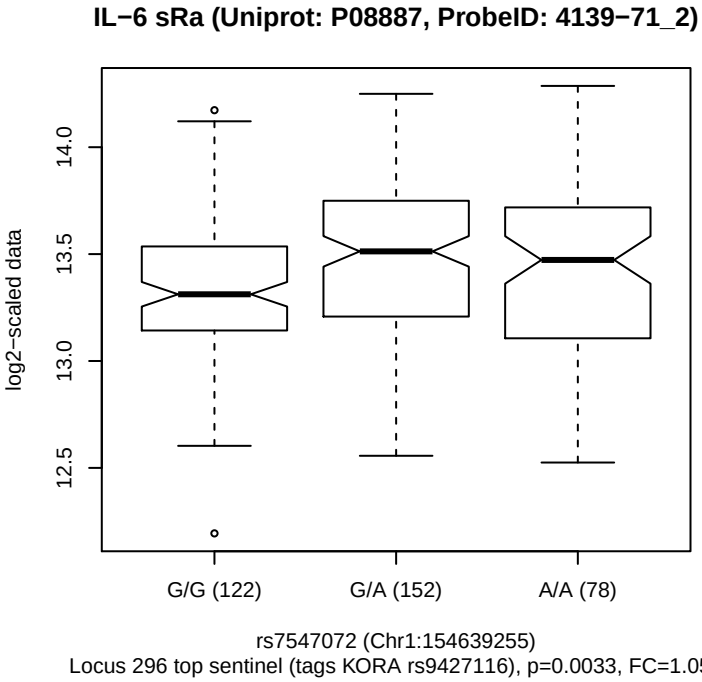

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence B

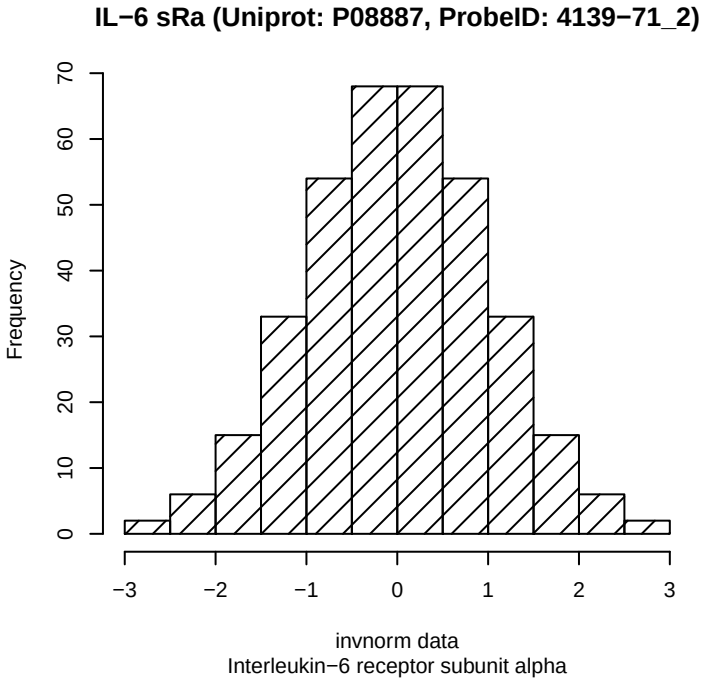

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
invnorm data
−2
−1
0
1
2
A/A (110)
A/G (152)
G/G (91)
rs2284178 (Chr6:31432125)
Locus 295 top sentinel (tags KORA rs2284178), p=2.5e−05

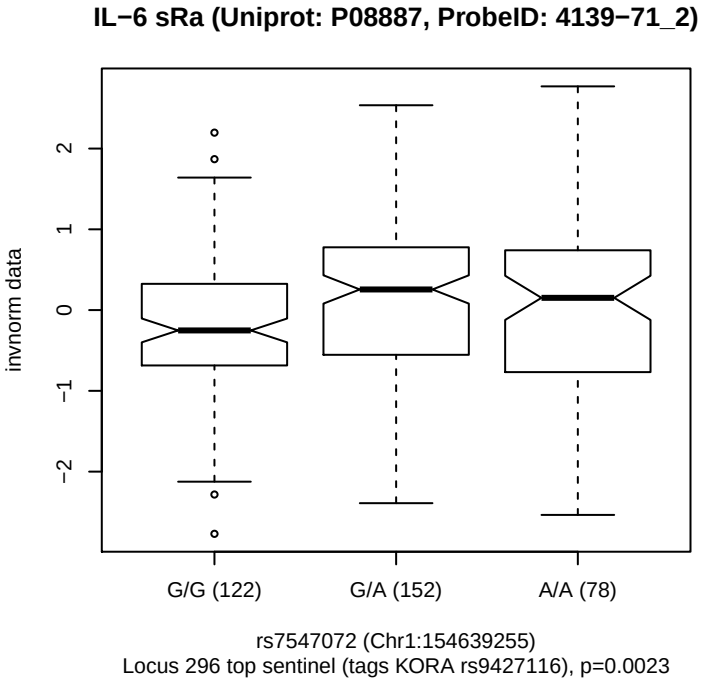

IL−6 sRa (Uniprot: P08887, ProbeID: 4139−71_2)
Frequency
0
20
40
60
80
5000
10000
15000
20000
raw data
Interleukin−6 receptor subunit alpha

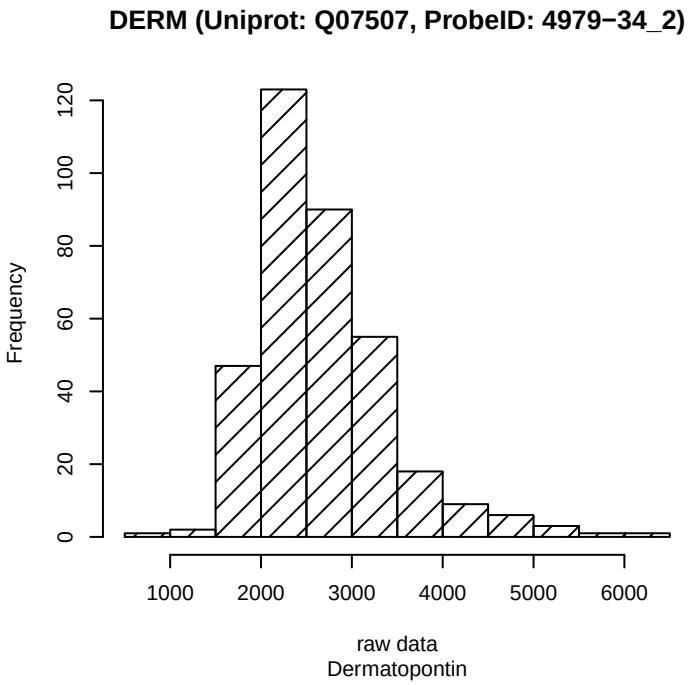

IL−6 sRa (Uniprot: P08887, ProbeID: 4139−71_2)
raw data
5000
10000
15000
20000
G/G (122)
G/A (152)
A/A (78)
rs7547072 (Chr1:154639255)
Locus 296 top sentinel (tags KORA rs9427116), p=0.0025

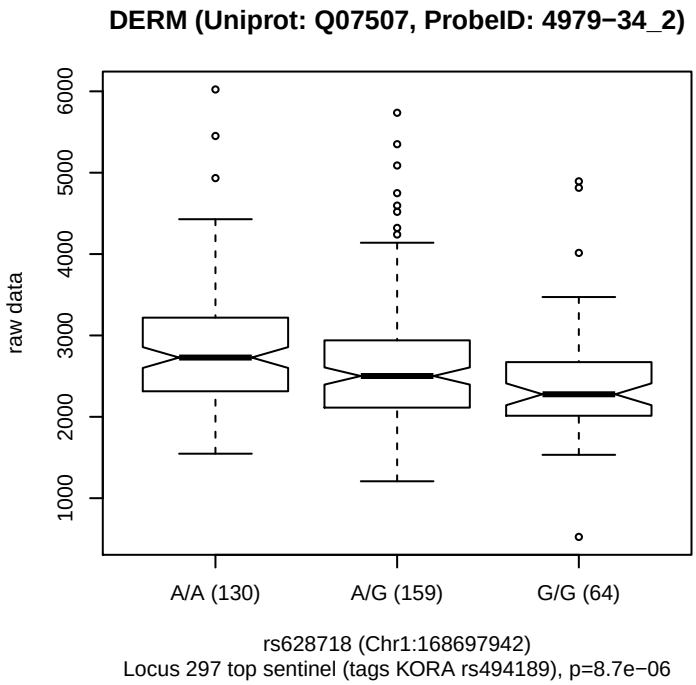

IL−6 sRa (Uniprot: P08887, ProbeID: 4139−71_2)
Frequency
0
20
40
60
12.0
12.5
13.0
13.5
14.0
log2−scaled data
Interleukin−6 receptor subunit alpha

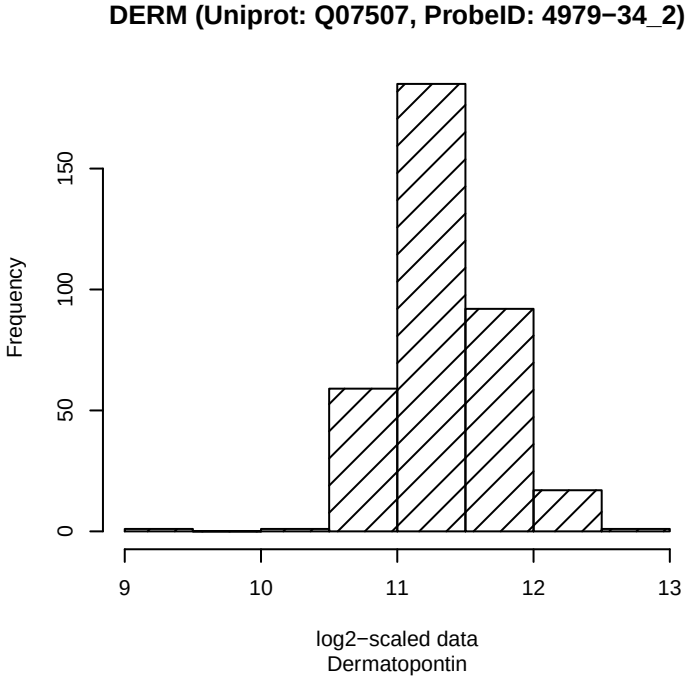

IL−6 sRa (Uniprot: P08887, ProbeID: 4139−71_2)
log2−scaled data
12.5
13.0
13.5
14.0
G/G (122)
G/A (152)
A/A (78)
rs7547072 (Chr1:154639255)
Locus 296 top sentinel (tags KORA rs9427116), p=0.0033, FC=1.054

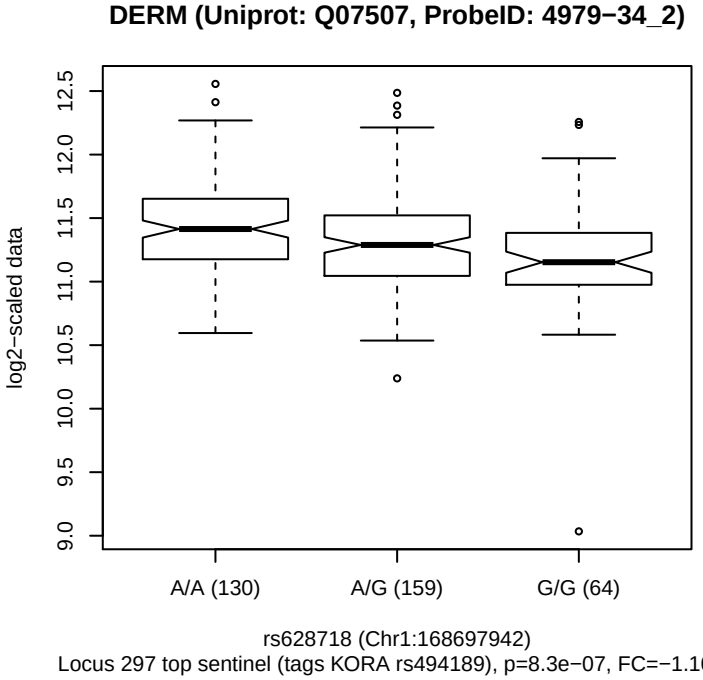

IL−6 sRa (Uniprot: P08887, ProbeID: 4139−71_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−6 receptor subunit alpha

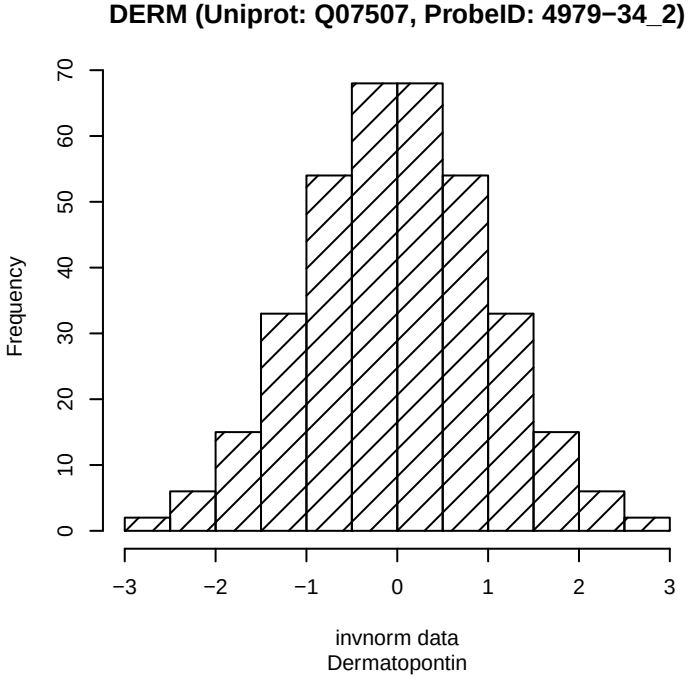

IL−6 sRa (Uniprot: P08887, ProbeID: 4139−71_2)
invnorm data
−2
−1
0
1
2
G/G (122)
G/A (152)
A/A (78)
rs7547072 (Chr1:154639255)
Locus 296 top sentinel (tags KORA rs9427116), p=0.0023

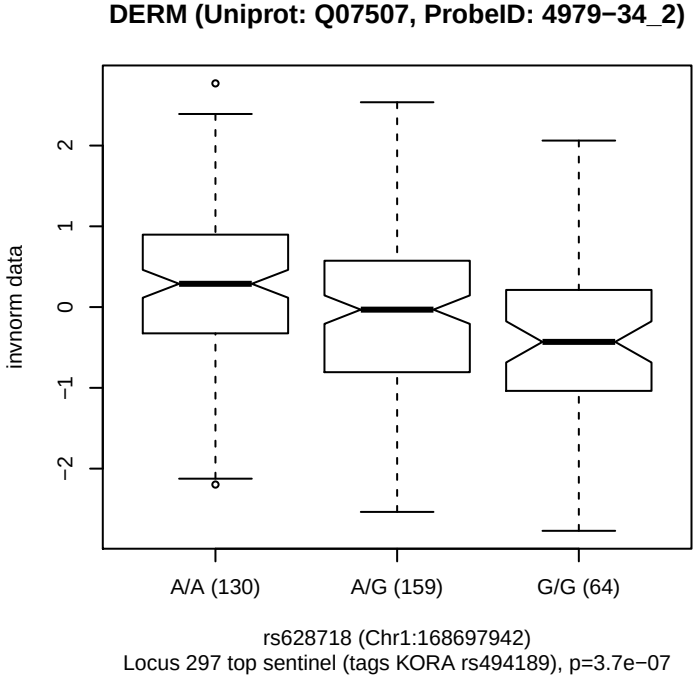

DERM (Uniprot: Q07507, ProbeID: 4979−34_2)
Frequency
0
20
40
60
80
100
120
1000
2000
3000
4000
5000
6000
raw data
Dermatopontin

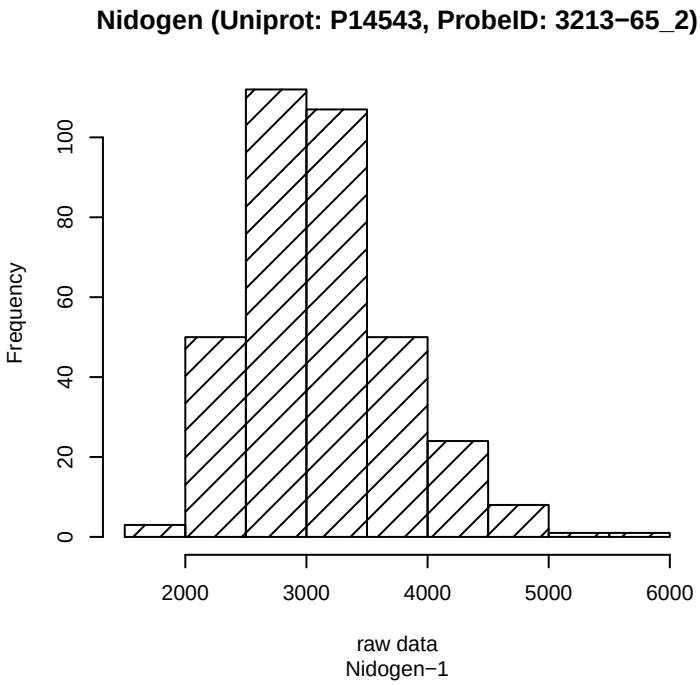

DERM (Uniprot: Q07507, ProbeID: 4979−34_2)
raw data
1000
2000
3000
4000
5000
6000
A/A (130)
A/G (159)
G/G (64)
rs628718 (Chr1:168697942)
Locus 297 top sentinel (tags KORA rs494189), p=8.7e−06

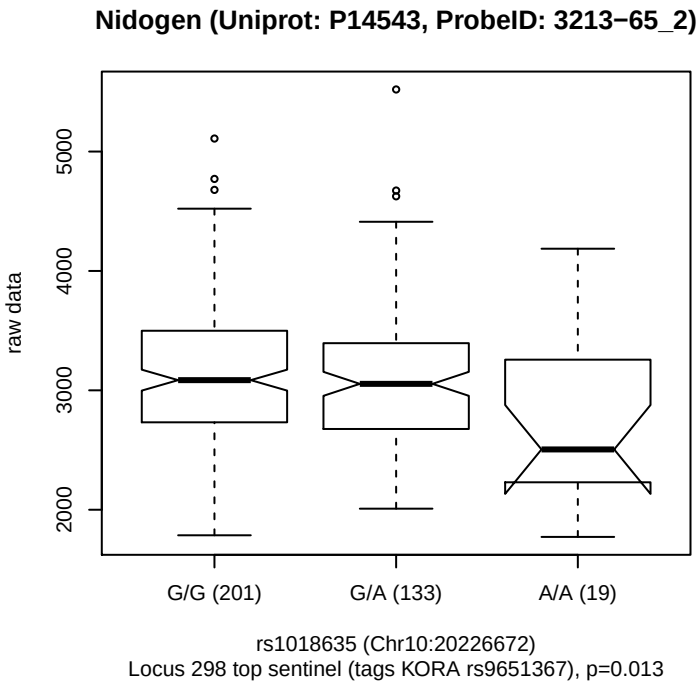

DERM (Uniprot: Q07507, ProbeID: 4979−34_2)
Frequency
0
50
100
150
9
10
11
12
13
log2−scaled data
Dermatopontin

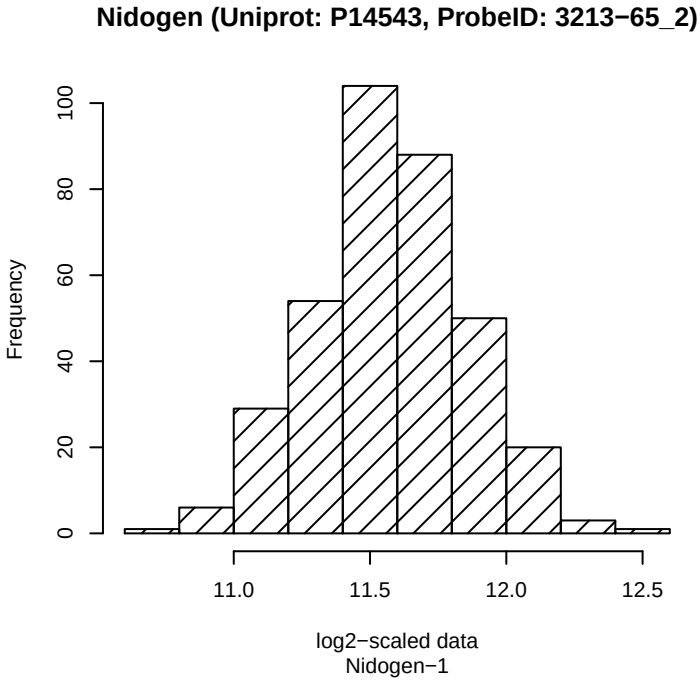

DERM (Uniprot: Q07507, ProbeID: 4979−34_2)
log2−scaled data
9.0
9.5
10.0
10.5
11.0
11.5
12.0
12.5
A/A (130)
A/G (159)
G/G (64)
rs628718 (Chr1:168697942)
Locus 297 top sentinel (tags KORA rs494189), p=8.3e−07, FC=−1.1002

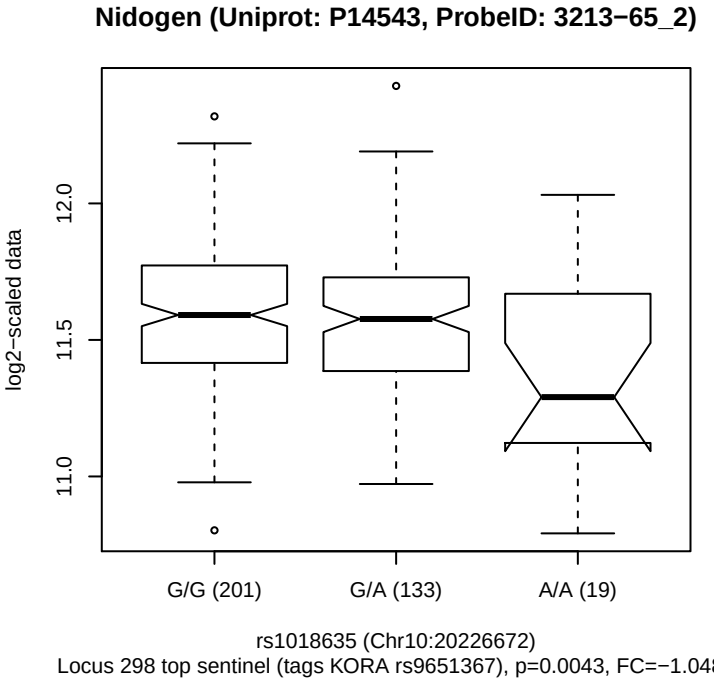

DERM (Uniprot: Q07507, ProbeID: 4979−34_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Dermatopontin

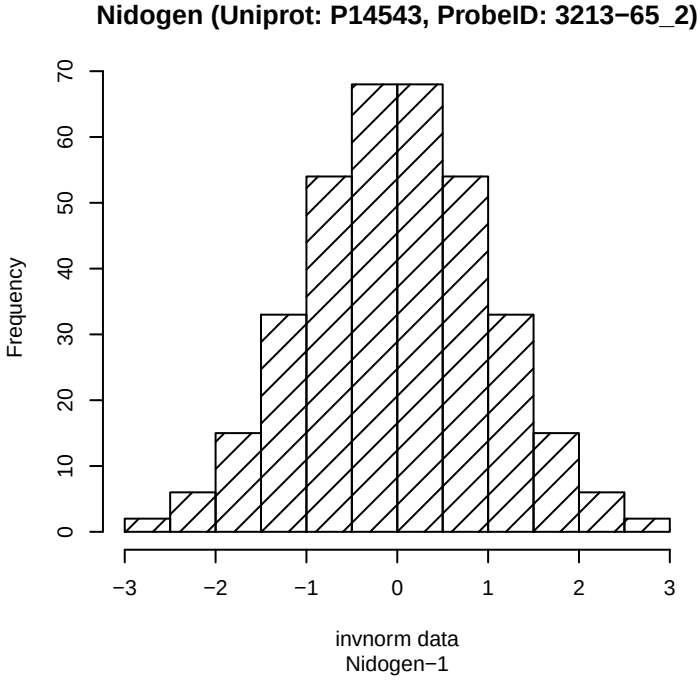

DERM (Uniprot: Q07507, ProbeID: 4979−34_2)
invnorm data
−2
−1
0
1
2
A/A (130)
A/G (159)
G/G (64)
rs628718 (Chr1:168697942)
Locus 297 top sentinel (tags KORA rs494189), p=3.7e−07

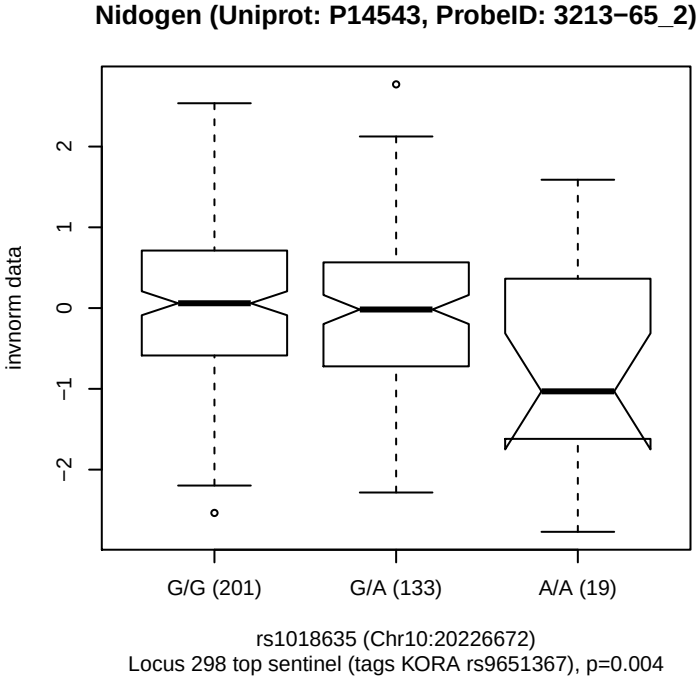

Nidogen (Uniprot: P14543, ProbeID: 3213−65_2)
Frequency
0
20
40
60
80
100
2000
3000
4000
5000
6000
raw data
Nidogen−1

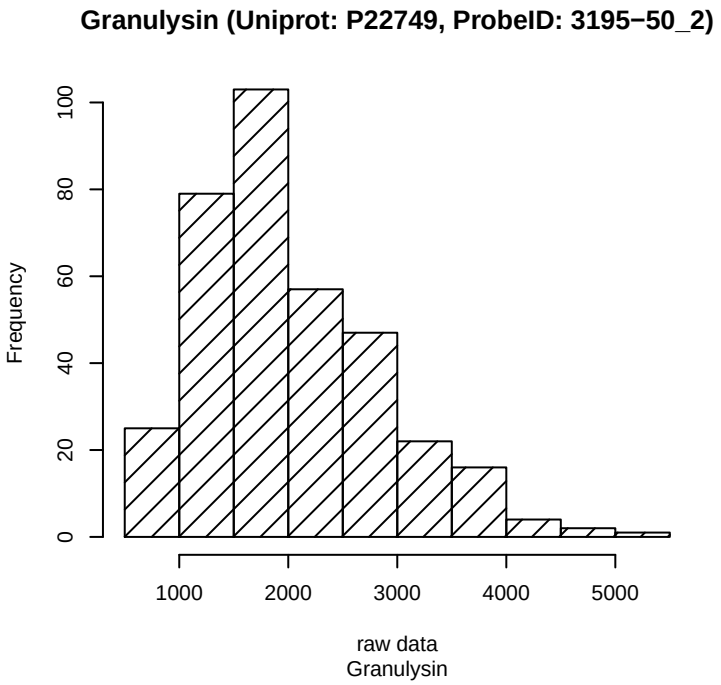

Nidogen (Uniprot: P14543, ProbeID: 3213−65_2)
raw data
2000
3000
4000
5000
G/G (201)
G/A (133)
A/A (19)
rs1018635 (Chr10:20226672)
Locus 298 top sentinel (tags KORA rs9651367), p=0.013

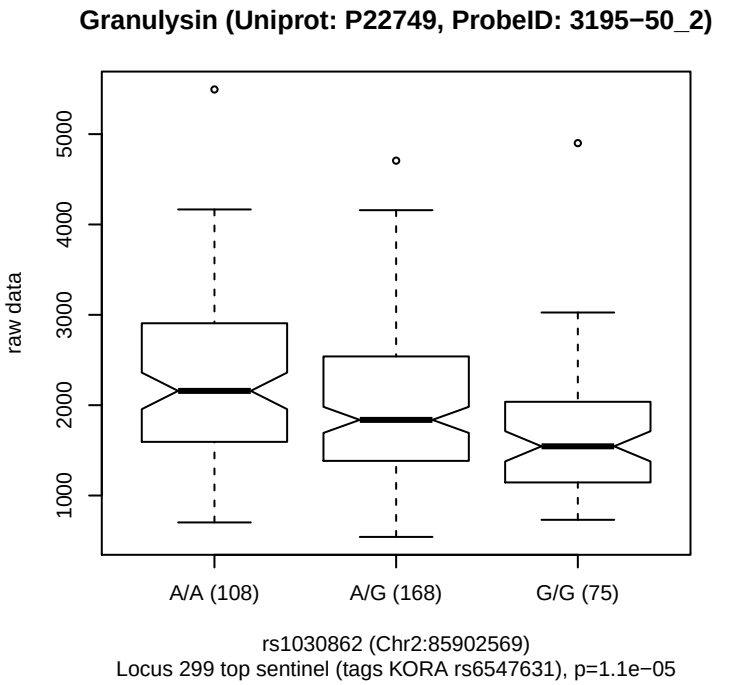

Nidogen (Uniprot: P14543, ProbeID: 3213−65_2)
Frequency
0
20
40
60
80
100
11.0
11.5
12.0
12.5
log2−scaled data
Nidogen−1

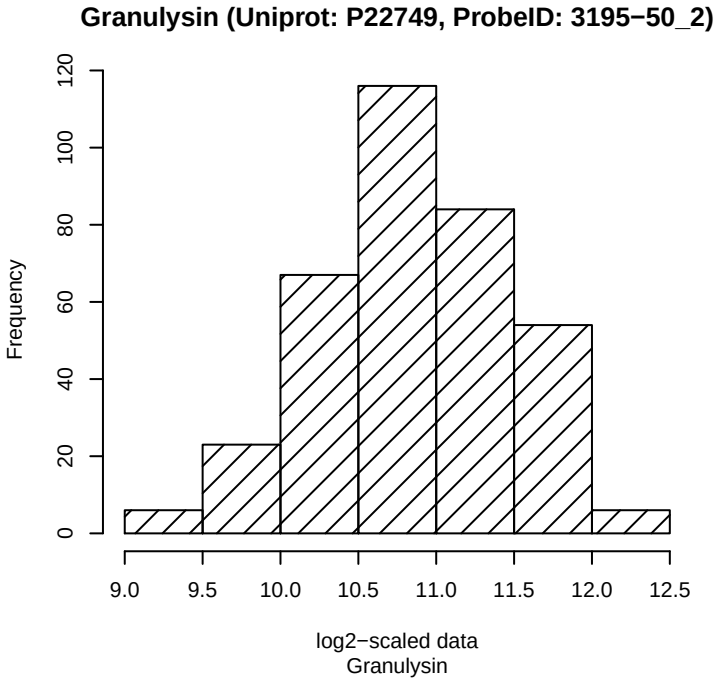

Nidogen (Uniprot: P14543, ProbeID: 3213−65_2)
log2−scaled data
11.0
11.5
12.0
G/G (201)
G/A (133)
A/A (19)
rs1018635 (Chr10:20226672)
Locus 298 top sentinel (tags KORA rs9651367), p=0.0043, FC=−1.0488

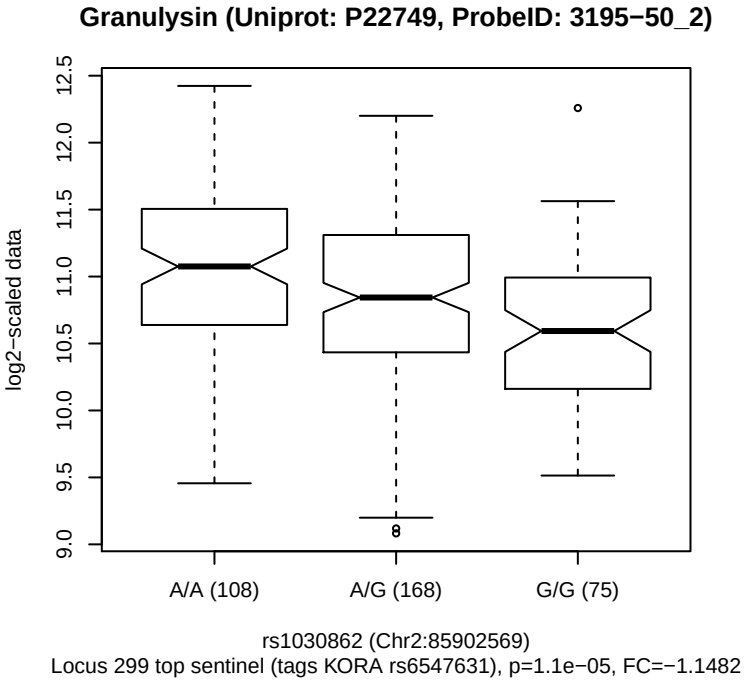

Nidogen (Uniprot: P14543, ProbeID: 3213−65_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Nidogen−1

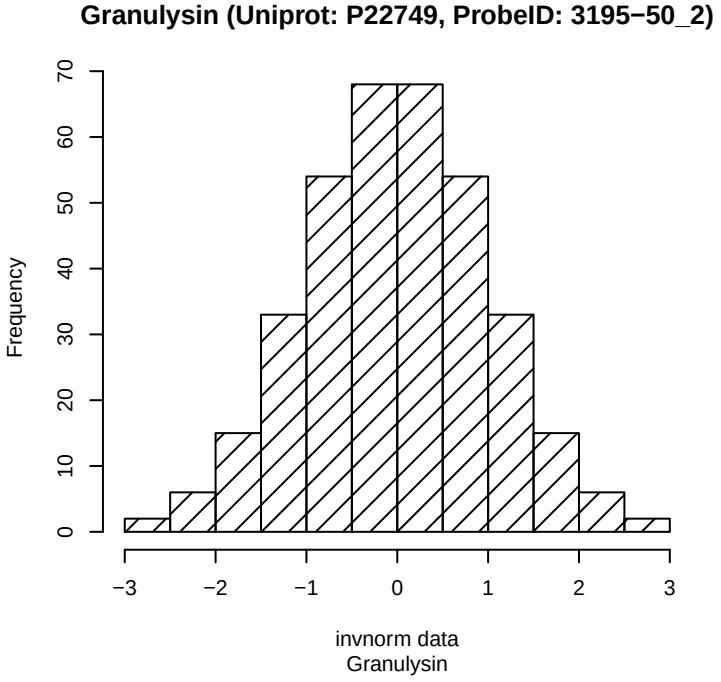

Nidogen (Uniprot: P14543, ProbeID: 3213−65_2)
invnorm data
−2
−1
0
1
2
G/G (201)
G/A (133)
A/A (19)
rs1018635 (Chr10:20226672)
Locus 298 top sentinel (tags KORA rs9651367), p=0.004

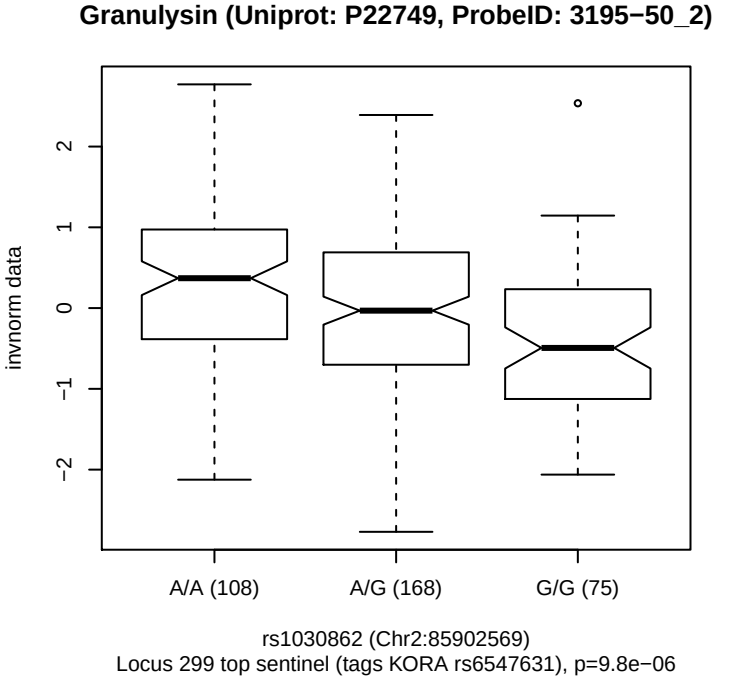

Granulysin (Uniprot: P22749, ProbeID: 3195−50_2)
Frequency
raw data
Granulysin

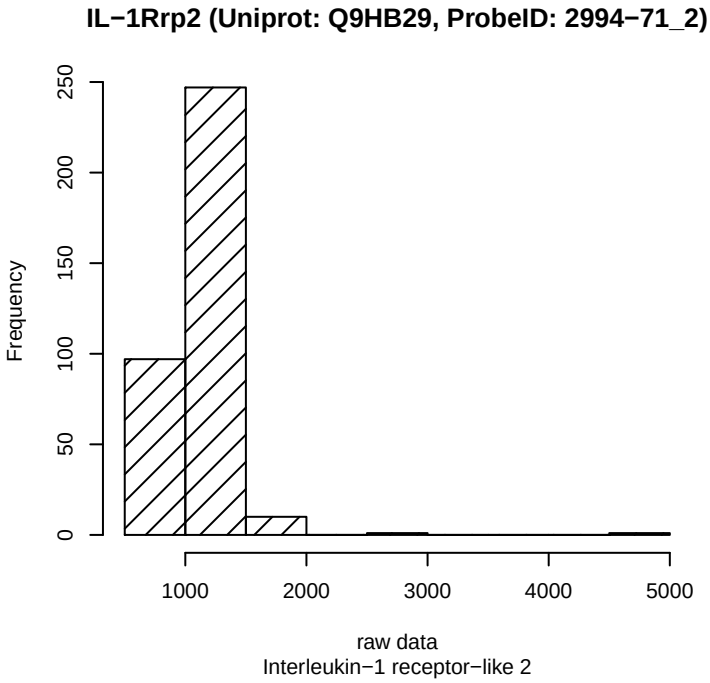

Granulysin (Uniprot: P22749, ProbeID: 3195−50_2)
raw data
A/A (108)
A/G (168)
G/G (75)
rs1030862 (Chr2:85902569)
Locus 299 top sentinel (tags KORA rs6547631), p=1.1e−05

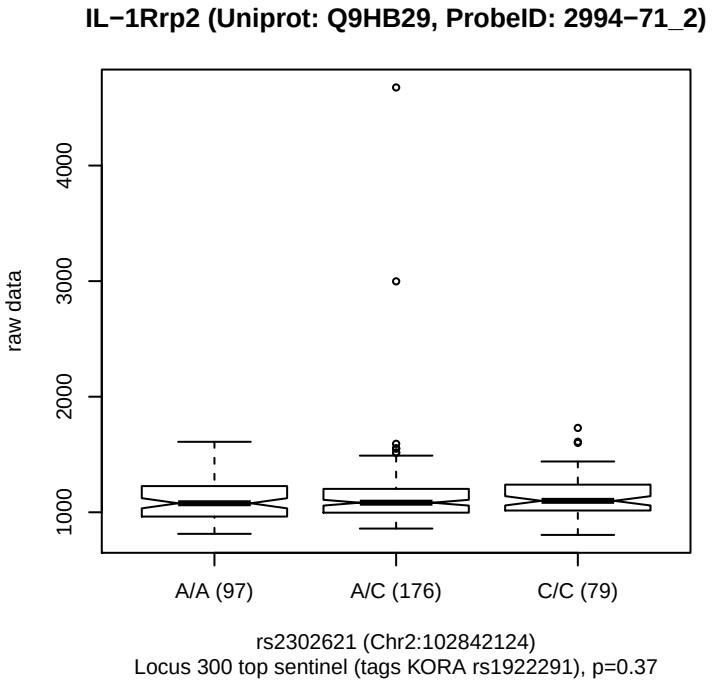

Granulysin (Uniprot: P22749, ProbeID: 3195−50_2)
Frequency
log2−scaled data
Granulysin

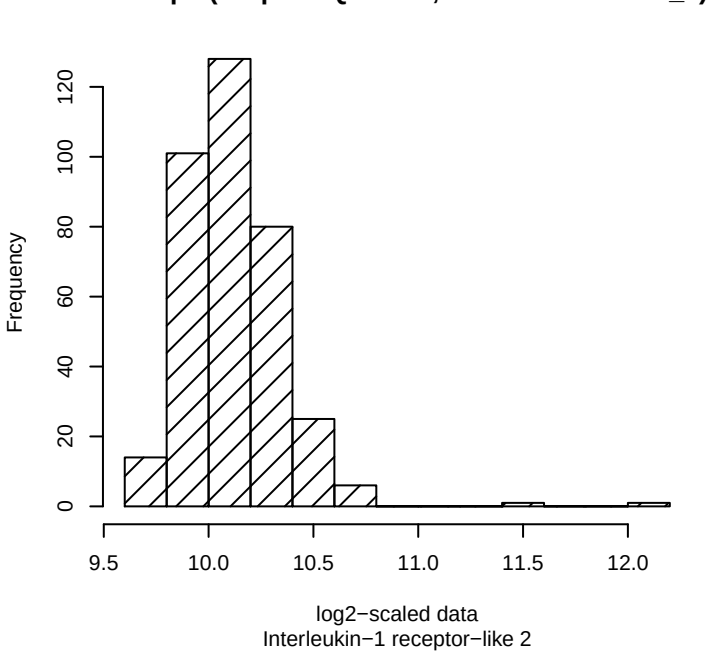

Granulysin (Uniprot: P22749, ProbeID: 3195−50_2)
log2−scaled data
A/A (108)
A/G (168)
G/G (75)
rs1030862 (Chr2:85902569)
Locus 299 top sentinel (tags KORA rs6547631), p=1.1e−05, FC=−1.1482

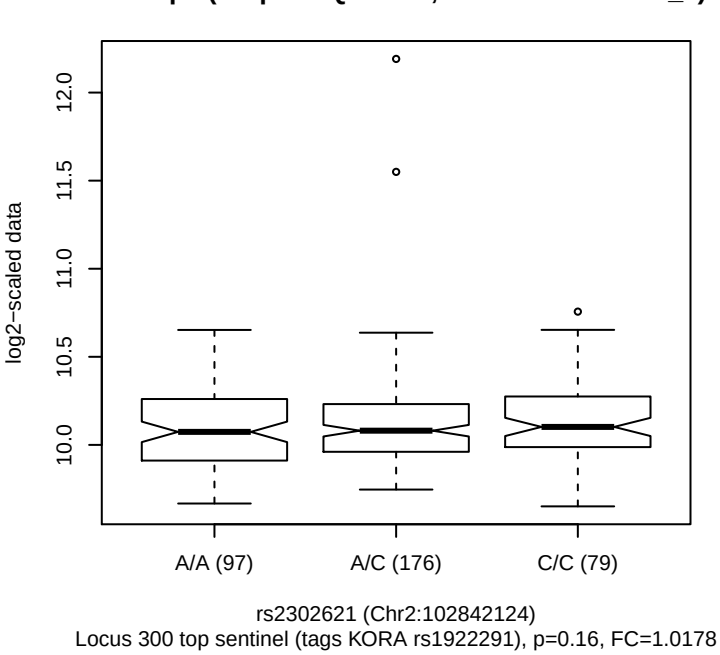

Granulysin (Uniprot: P22749, ProbeID: 3195−50_2)
Frequency
invnorm data
Granulysin

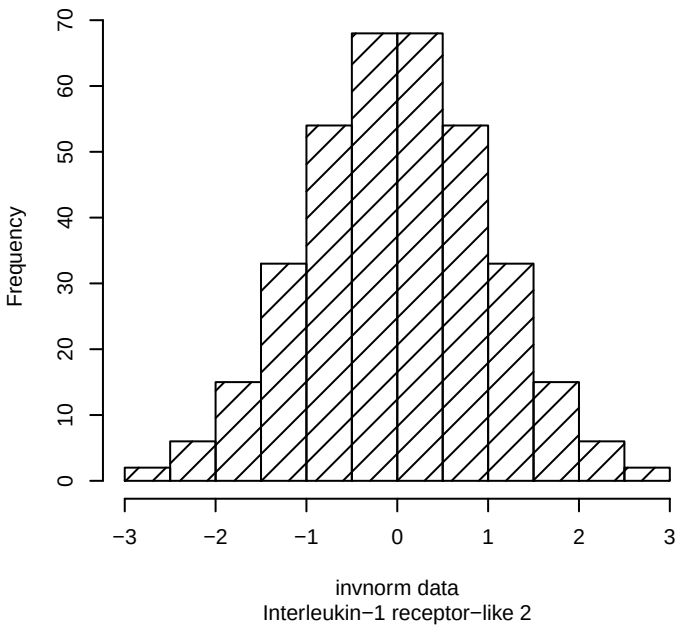

Granulysin (Uniprot: P22749, ProbeID: 3195−50_2)
invnorm data
A/A (108)
A/G (168)
G/G (75)
rs1030862 (Chr2:85902569)
Locus 299 top sentinel (tags KORA rs6547631), p=9.8e−06

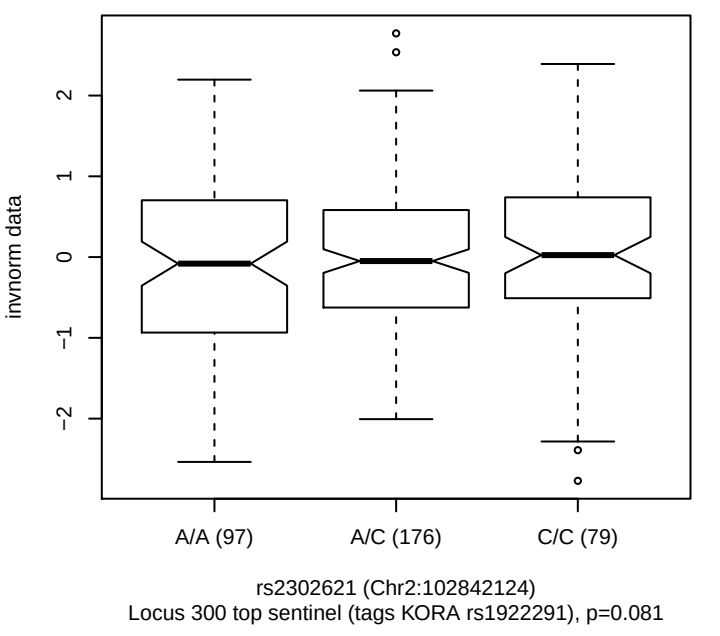

IL−1Rrp2 (Uniprot: Q9HB29, ProbeID: 2994−71_2)
Frequency
raw data
Interleukin−1 receptor−like 2

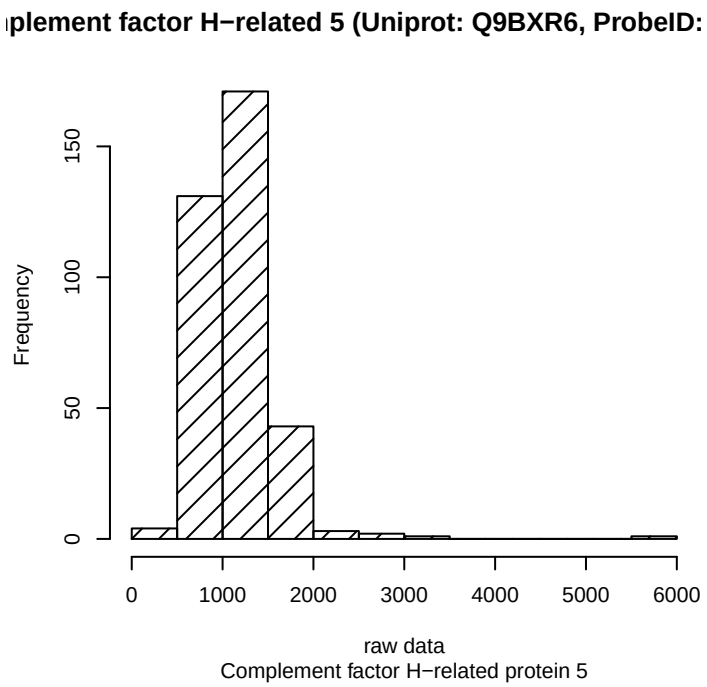

IL−1Rrp2 (Uniprot: Q9HB29, ProbeID: 2994−71_2)
raw data
A/A (97)
A/C (176)
C/C (79)
rs2302621 (Chr2:102842124)
Locus 300 top sentinel (tags KORA rs1922291), p=0.37

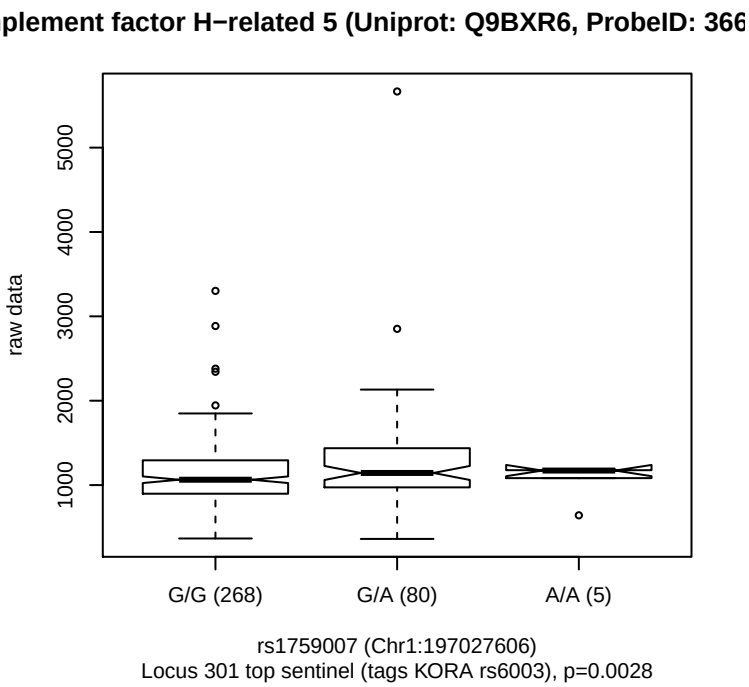

IL−1Rrp2 (Uniprot: Q9HB29, ProbeID: 2994−71_2)
Frequency
log2−scaled data
Interleukin−1 receptor−like 2

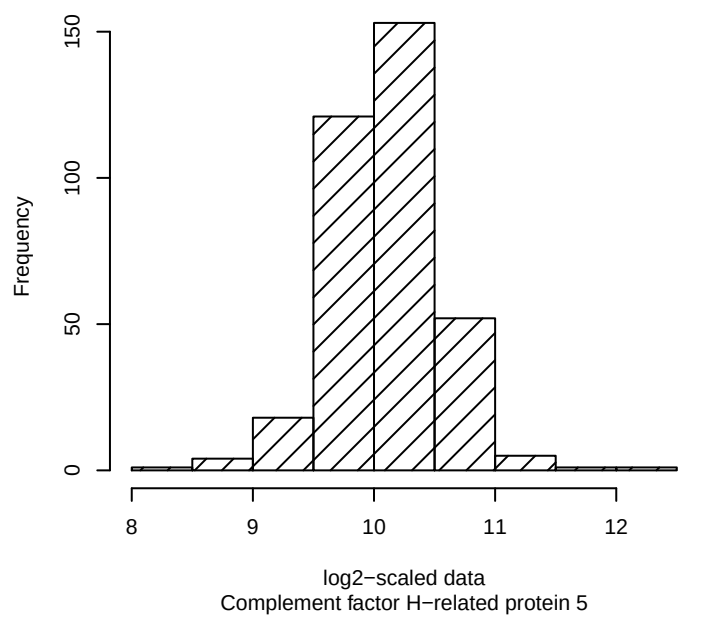

IL−1Rrp2 (Uniprot: Q9HB29, ProbeID: 2994−71_2)
log2−scaled data
A/A (97)
A/C (176)
C/C (79)
rs2302621 (Chr2:102842124)
Locus 300 top sentinel (tags KORA rs1922291), p=0.16, FC=1.0178

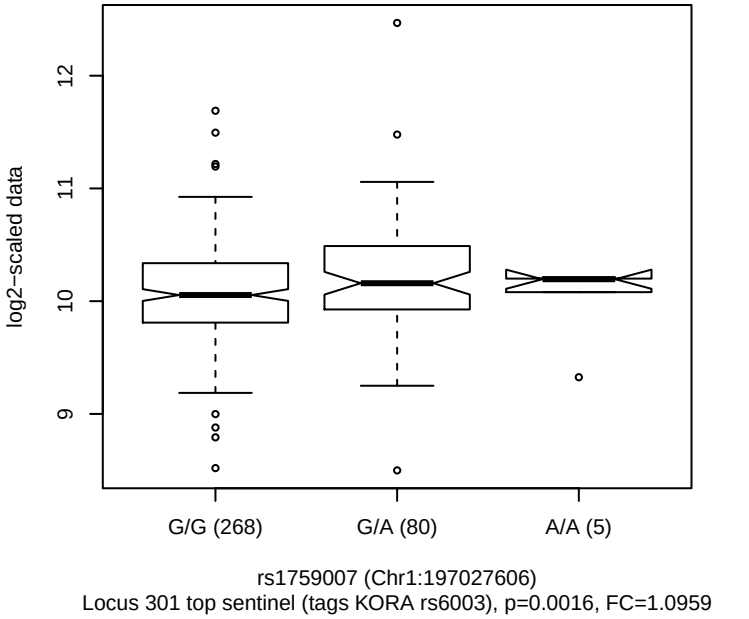

IL−1Rrp2 (Uniprot: Q9HB29, ProbeID: 2994−71_2)
Frequency
invnorm data
Interleukin−1 receptor−like 2

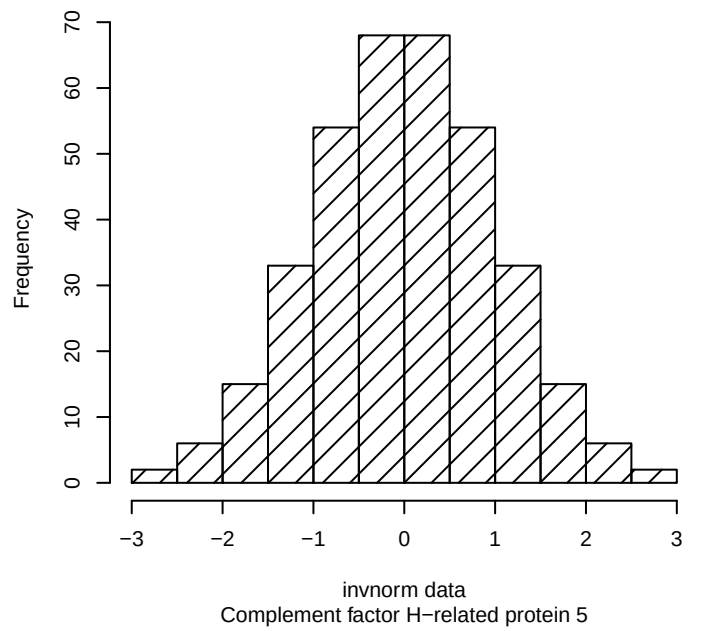

IL−1Rrp2 (Uniprot: Q9HB29, ProbeID: 2994−71_2)
invnorm data
A/A (97)
A/C (176)
C/C (79)
rs2302621 (Chr2:102842124)
Locus 300 top sentinel (tags KORA rs1922291), p=0.081

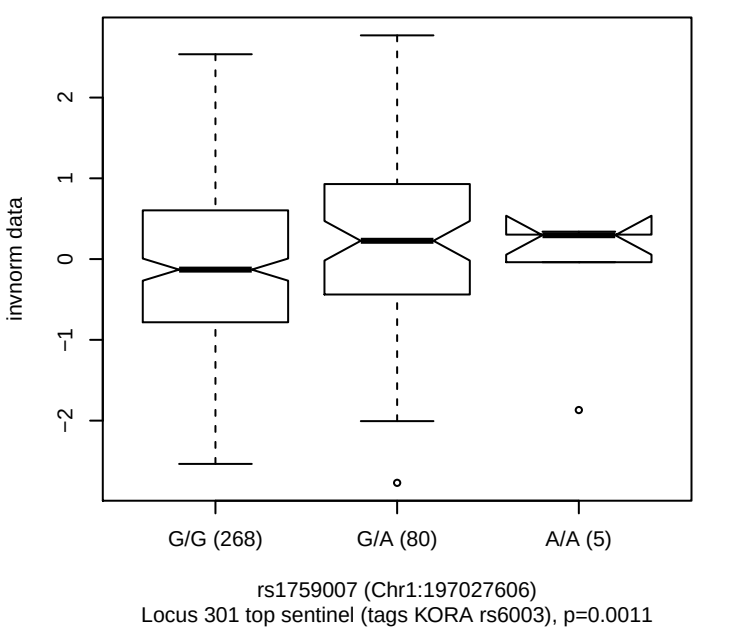

plement factor H−related 5 (Uniprot: Q9BXR6, ProbeID: 366
Frequency
0
50
100
150
0
1000
2000
3000
4000
5000
6000
raw data
Complement factor H−related protein 5

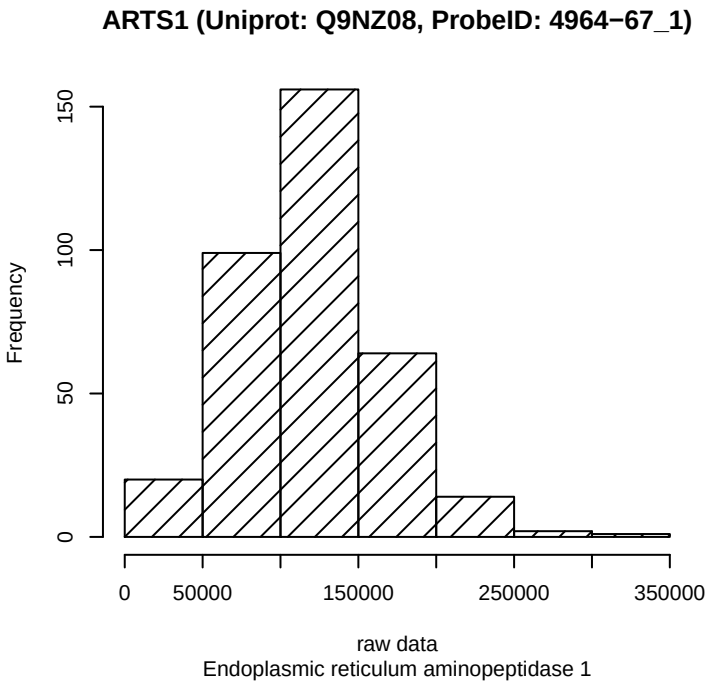

plement factor H−related 5 (Uniprot: Q9BXR6, ProbeID: 366
raw data
1000
2000
3000
4000
5000
G/G (268)
G/A (80)
A/A (5)
rs1759007 (Chr1:197027606)
Locus 301 top sentinel (tags KORA rs6003), p=0.0028

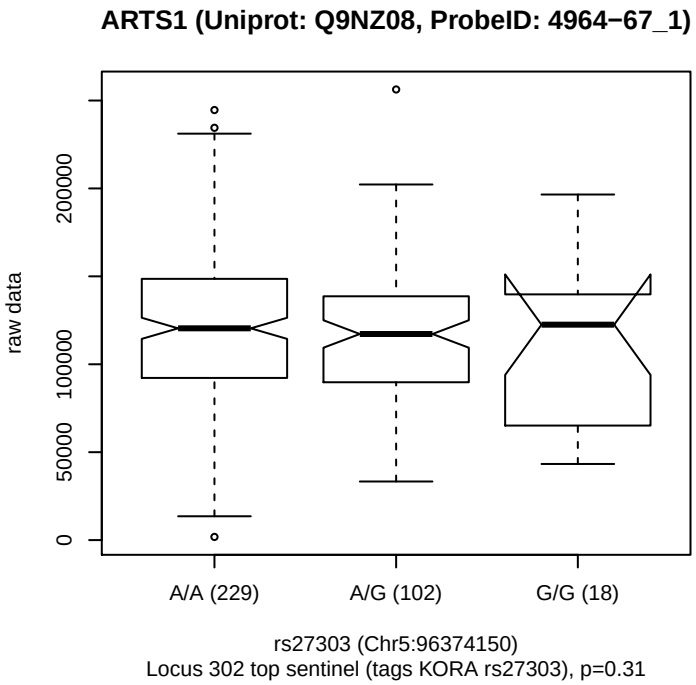

plement factor H−related 5 (Uniprot: Q9BXR6, ProbeID: 366
Frequency
0
50
100
150
8
9
10
11
12
log2−scaled data
Complement factor H−related protein 5

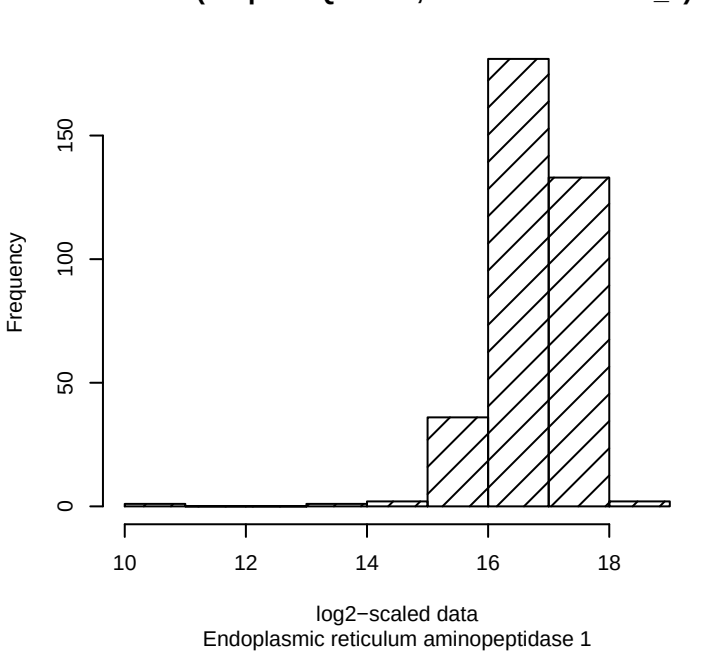

plement factor H−related 5 (Uniprot: Q9BXR6, ProbeID: 366
log2−scaled data
9
10
11
12
G/G (268)
G/A (80)
A/A (5)
rs1759007 (Chr1:197027606)
Locus 301 top sentinel (tags KORA rs6003), p=0.0016, FC=1.0959

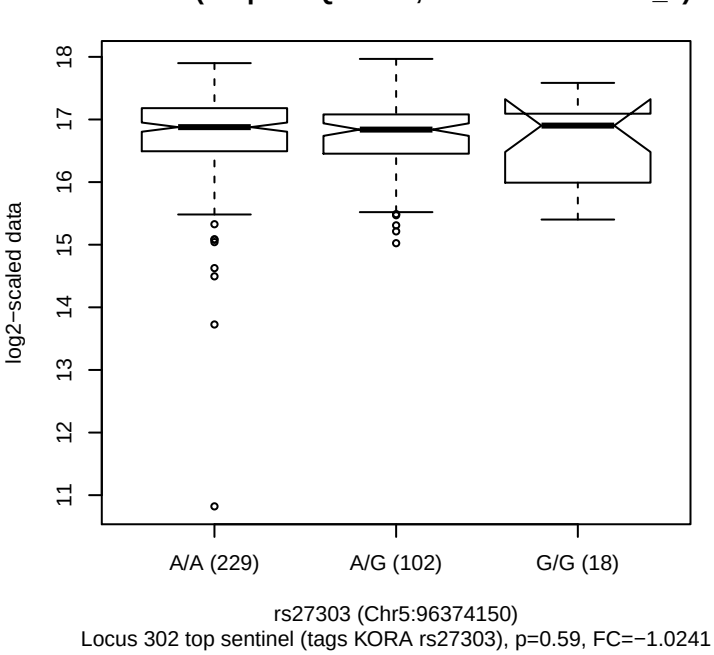

plement factor H−related 5 (Uniprot: Q9BXR6, ProbeID: 366
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Complement factor H−related protein 5

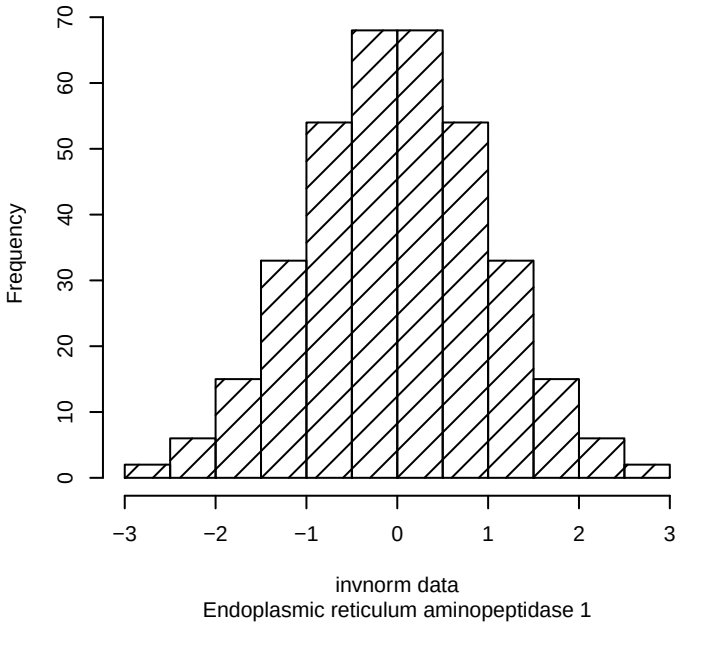

plement factor H−related 5 (Uniprot: Q9BXR6, ProbeID: 366
invnorm data
−2
−1
0
1
2
G/G (268)
G/A (80)
A/A (5)
rs1759007 (Chr1:197027606)
Locus 301 top sentinel (tags KORA rs6003), p=0.0011

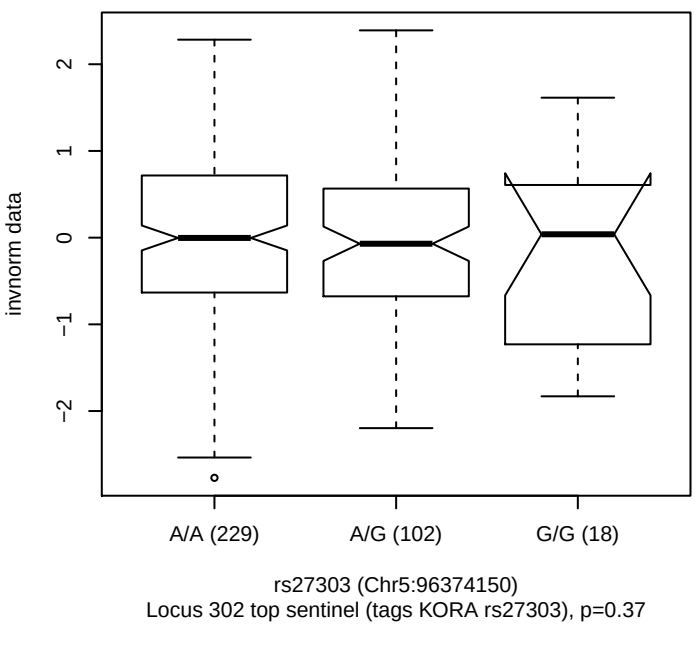

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
Frequency
0
50
100
150
0
50000
150000
250000
350000
raw data
Endoplasmic reticulum aminopeptidase 1

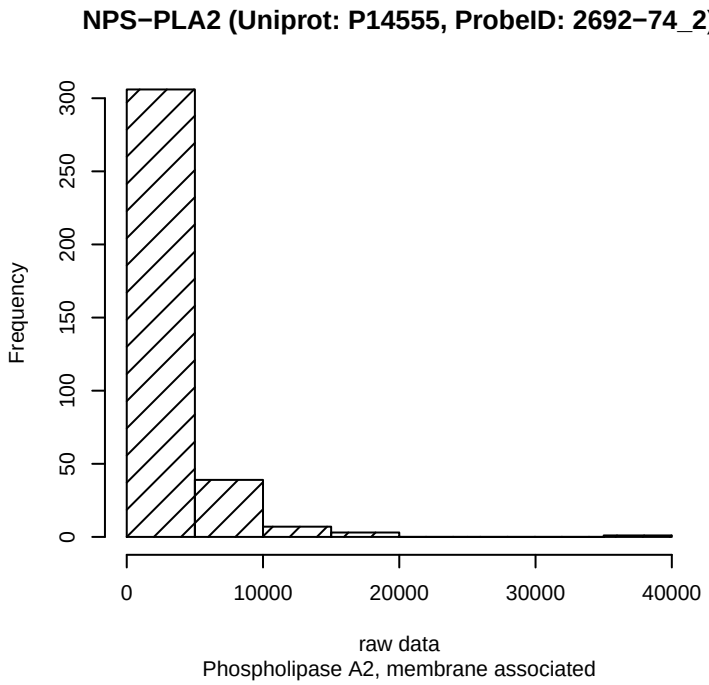

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
raw data
0
50000
100000
200000
A/A (229)
A/G (102)
G/G (18)
rs27303 (Chr5:96374150)
Locus 302 top sentinel (tags KORA rs27303), p=0.31

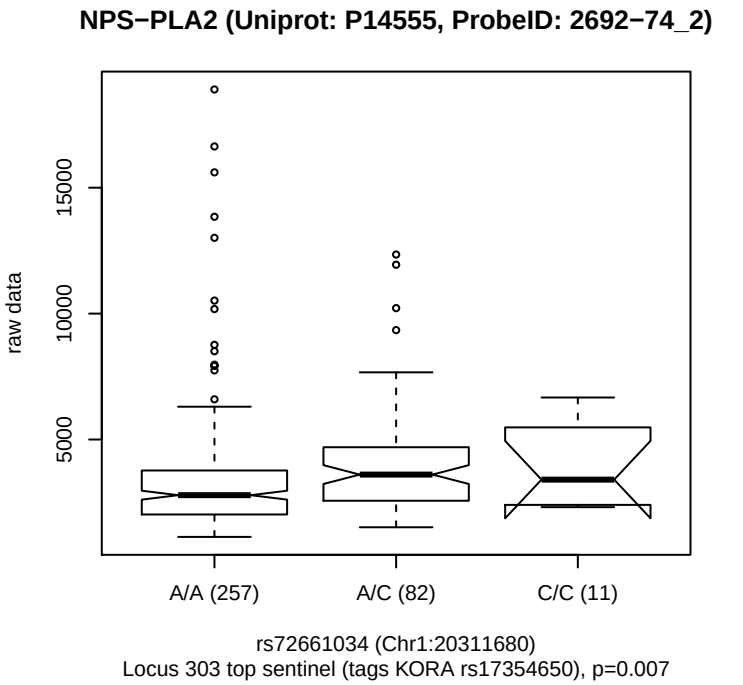

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
Frequency
0
50
100
150
10
12
14
16
18
log2−scaled data
Endoplasmic reticulum aminopeptidase 1

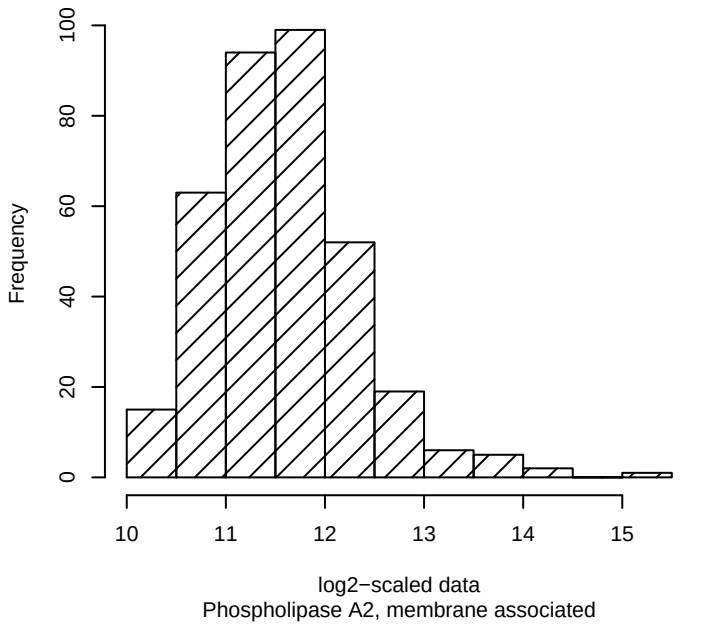

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
log2−scaled data
11
12
13
14
15
16
17
18
A/A (229)
A/G (102)
G/G (18)
rs27303 (Chr5:96374150)
Locus 302 top sentinel (tags KORA rs27303), p=0.59, FC=−1.0241

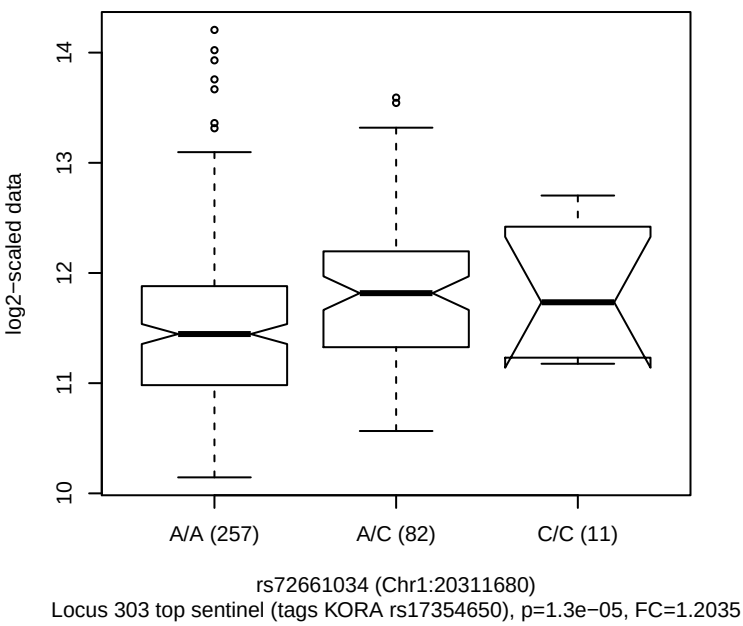

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Endoplasmic reticulum aminopeptidase 1

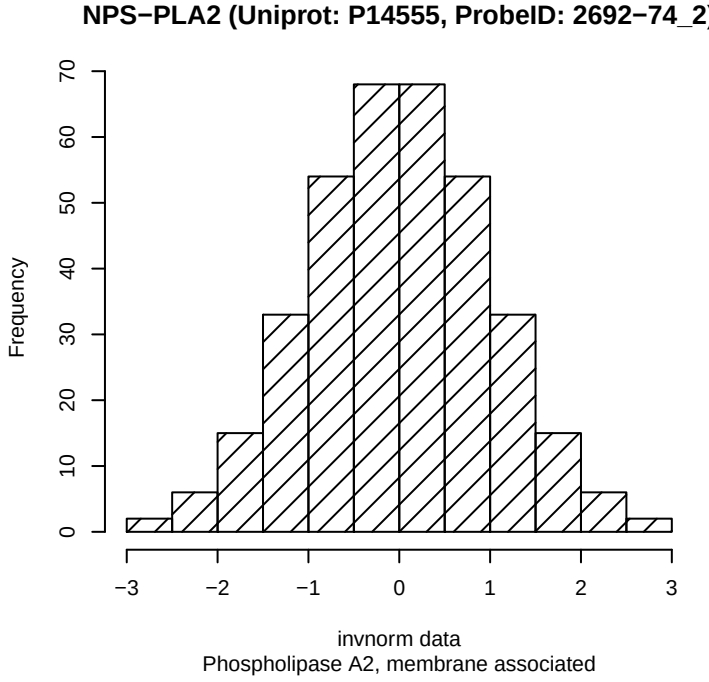

ARTS1 (Uniprot: Q9NZ08, ProbeID: 4964−67_1)
invnorm data
−2
−1
0
1
2
A/A (229)
A/G (102)
G/G (18)
rs27303 (Chr5:96374150)
Locus 302 top sentinel (tags KORA rs27303), p=0.37

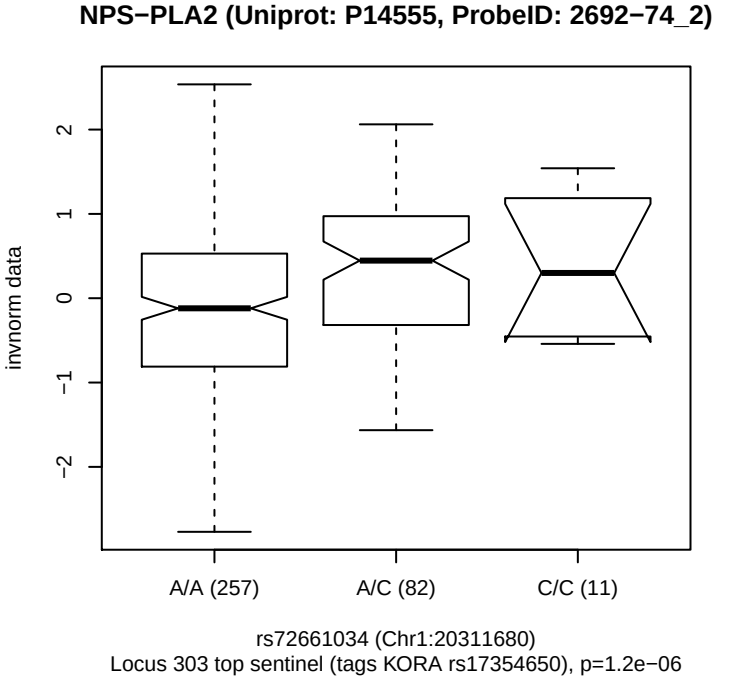

NPS−PLA2 (Uniprot: P14555, ProbeID: 2692−74_2)
Frequency
0
50
100
150
200
250
300
0
10000
20000
30000
40000
raw data
Phospholipase A2, membrane associated

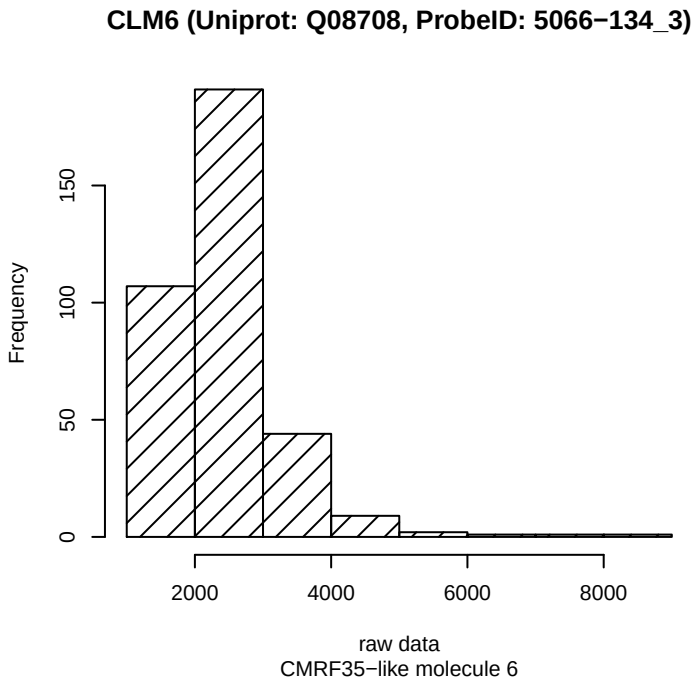

NPS−PLA2 (Uniprot: P14555, ProbeID: 2692−74_2)
raw data
5000
10000
15000
A/A (257)
A/C (82)
C/C (11)
rs72661034 (Chr1:20311680)
Locus 303 top sentinel (tags KORA rs17354650), p=0.007

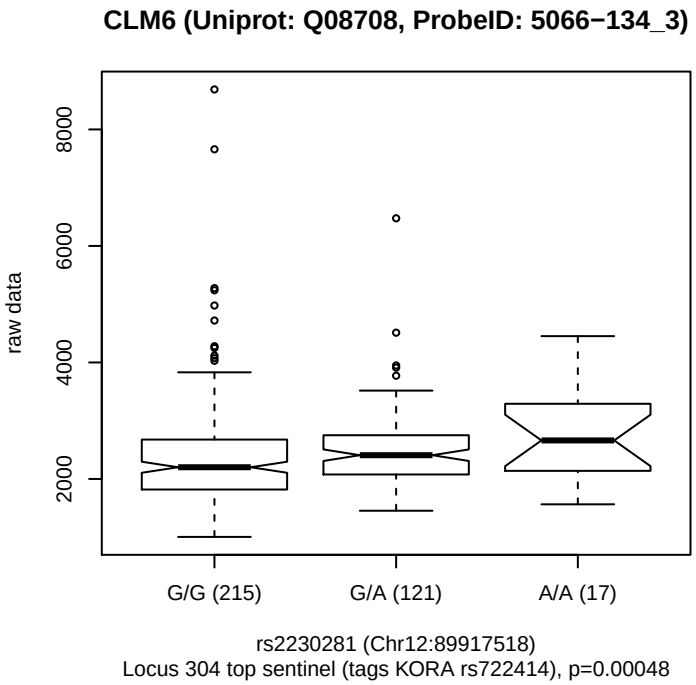

NPS−PLA2 (Uniprot: P14555, ProbeID: 2692−74_2)
Frequency
0
20
40
60
80
100
10
11
12
13
14
15
log2−scaled data
Phospholipase A2, membrane associated

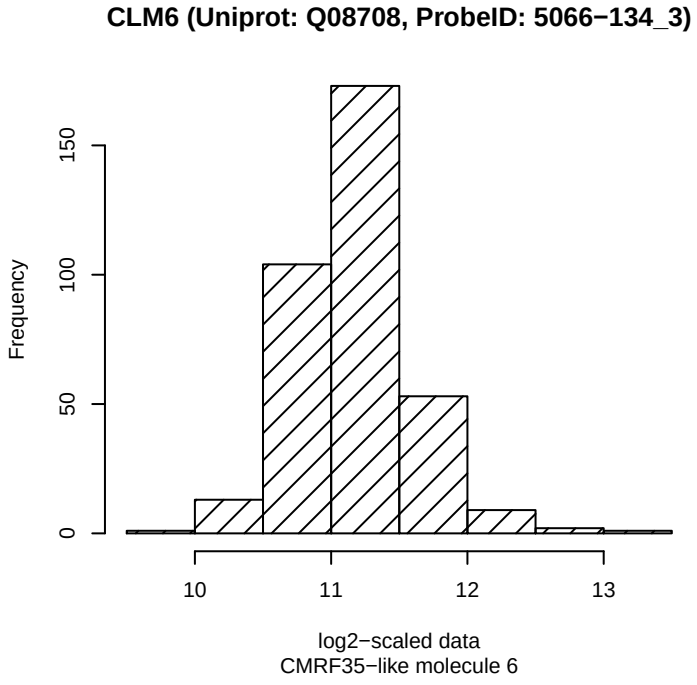

NPS−PLA2 (Uniprot: P14555, ProbeID: 2692−74_2)
log2−scaled data
10
11
12
13
14
A/A (257)
A/C (82)
C/C (11)
rs72661034 (Chr1:20311680)
Locus 303 top sentinel (tags KORA rs17354650), p=1.3e−05, FC=1.2035

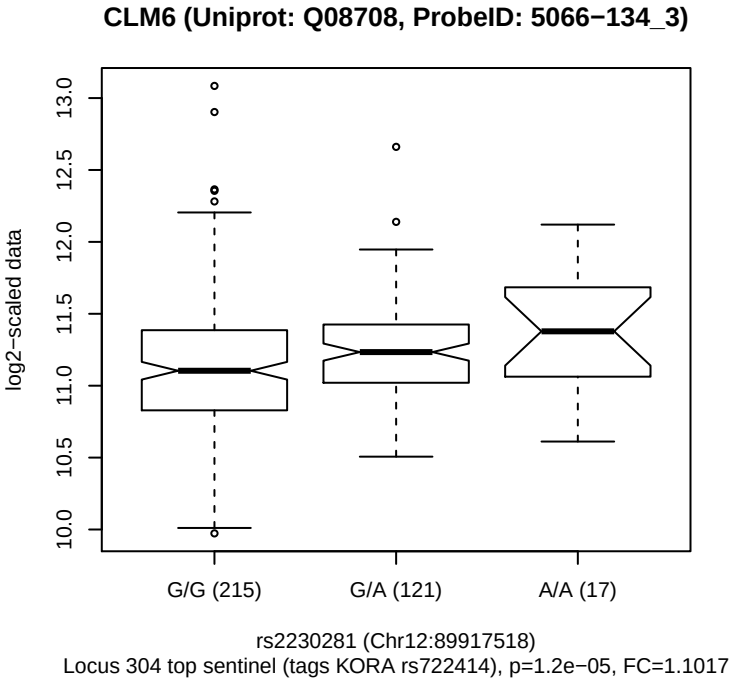

NPS−PLA2 (Uniprot: P14555, ProbeID: 2692−74_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Phospholipase A2, membrane associated

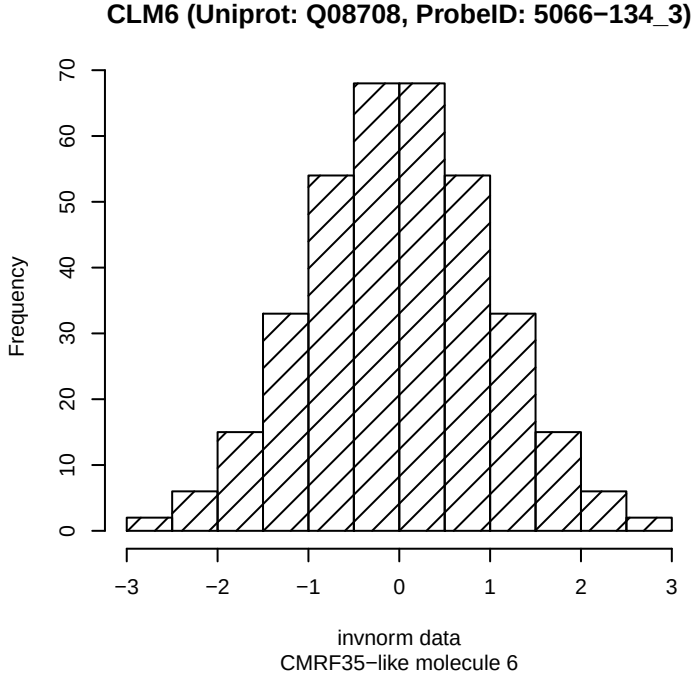

NPS−PLA2 (Uniprot: P14555, ProbeID: 2692−74_2)
invnorm data
−2
−1
0
1
2
A/A (257)
A/C (82)
C/C (11)
rs72661034 (Chr1:20311680)
Locus 303 top sentinel (tags KORA rs17354650), p=1.2e−06

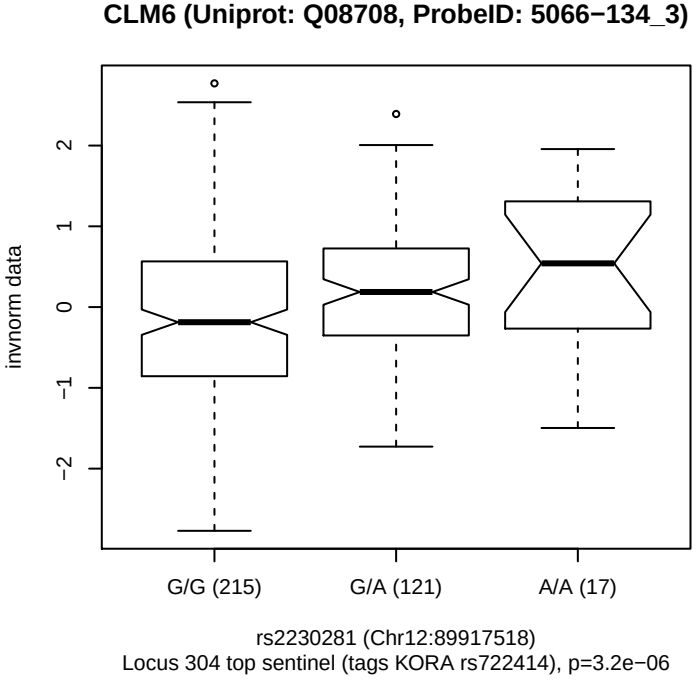

CLM6 (Uniprot: Q08708, ProbeID: 5066−134_3)
Frequency
0
50
100
150
2000
4000
6000
8000
raw data
CMRF35−like molecule 6

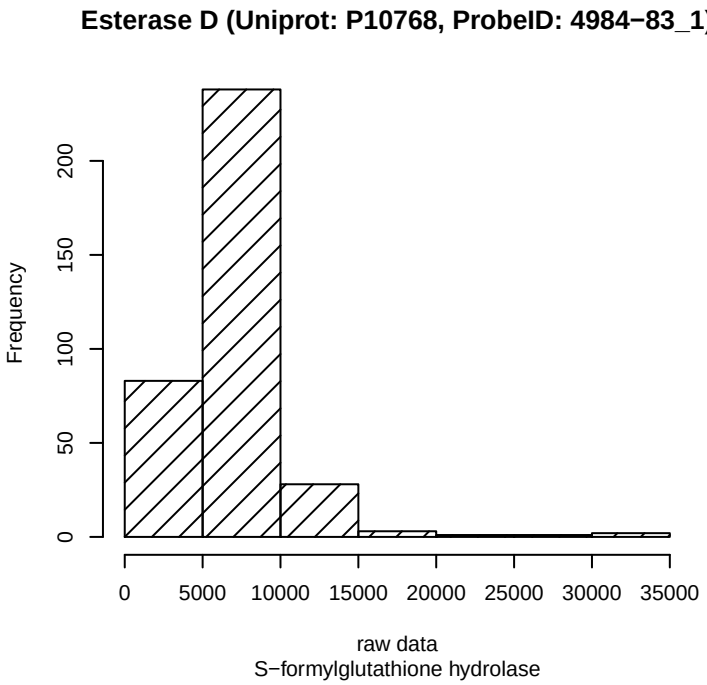

CLM6 (Uniprot: Q08708, ProbeID: 5066−134_3)
raw data
2000
4000
6000
8000
G/G (215)
G/A (121)
A/A (17)
rs2230281 (Chr12:89917518)
Locus 304 top sentinel (tags KORA rs722414), p=0.00048

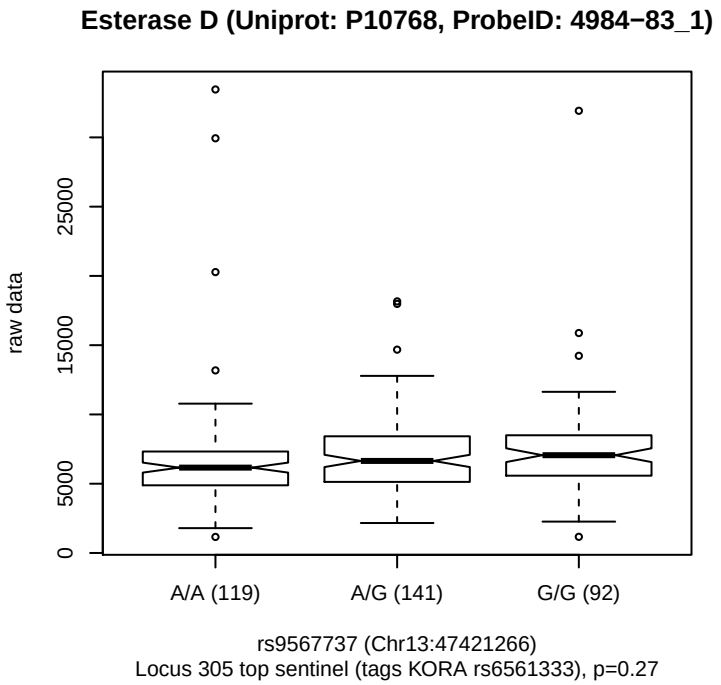

CLM6 (Uniprot: Q08708, ProbeID: 5066−134_3)
Frequency
0
50
100
150
10
11
12
13
log2−scaled data
CMRF35−like molecule 6

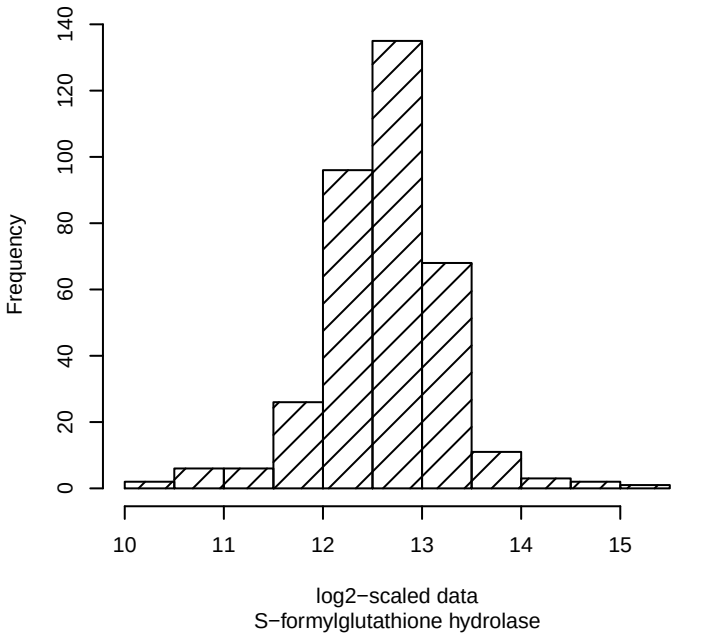

CLM6 (Uniprot: Q08708, ProbeID: 5066−134_3)
log2−scaled data
10.0
10.5
11.0
11.5
12.0
12.5
13.0
G/G (215)
G/A (121)
A/A (17)
rs2230281 (Chr12:89917518)
Locus 304 top sentinel (tags KORA rs722414), p=1.2e−05, FC=1.1017

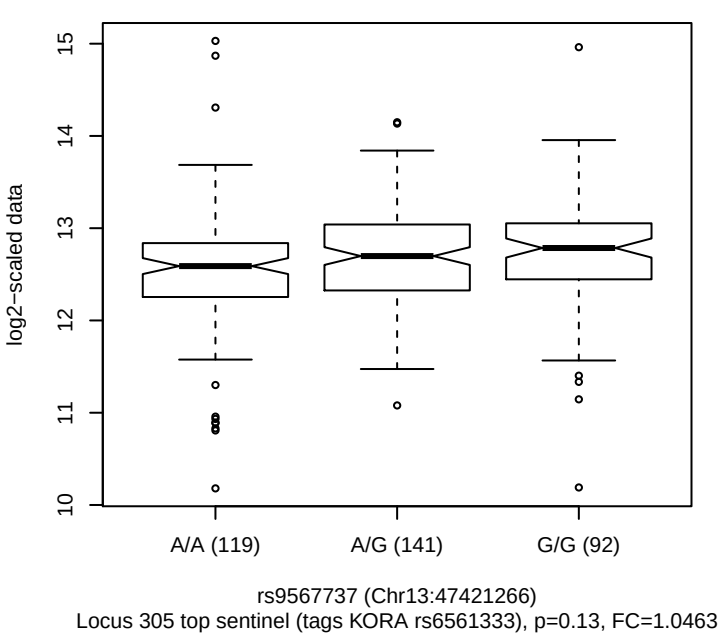

CLM6 (Uniprot: Q08708, ProbeID: 5066−134_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
CMRF35−like molecule 6

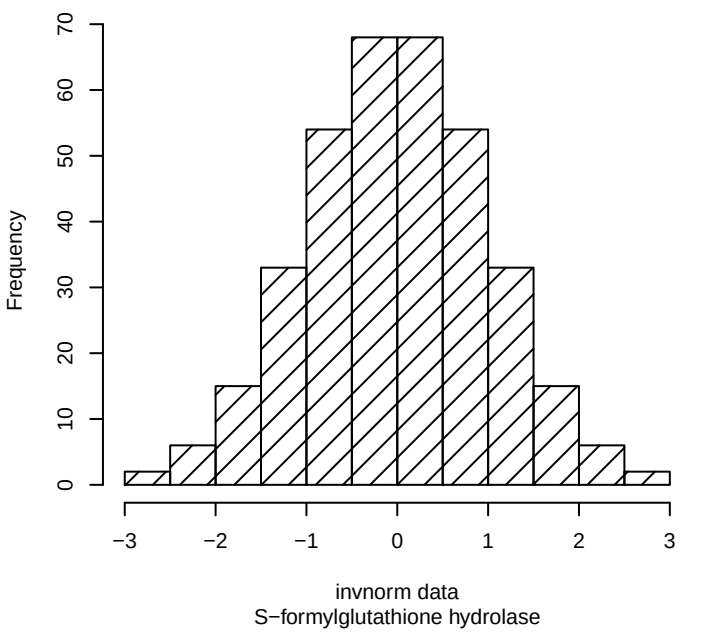

CLM6 (Uniprot: Q08708, ProbeID: 5066−134_3)
invnorm data
−2
−1
0
1
2
G/G (215)
G/A (121)
A/A (17)
rs2230281 (Chr12:89917518)
Locus 304 top sentinel (tags KORA rs722414), p=3.2e−06

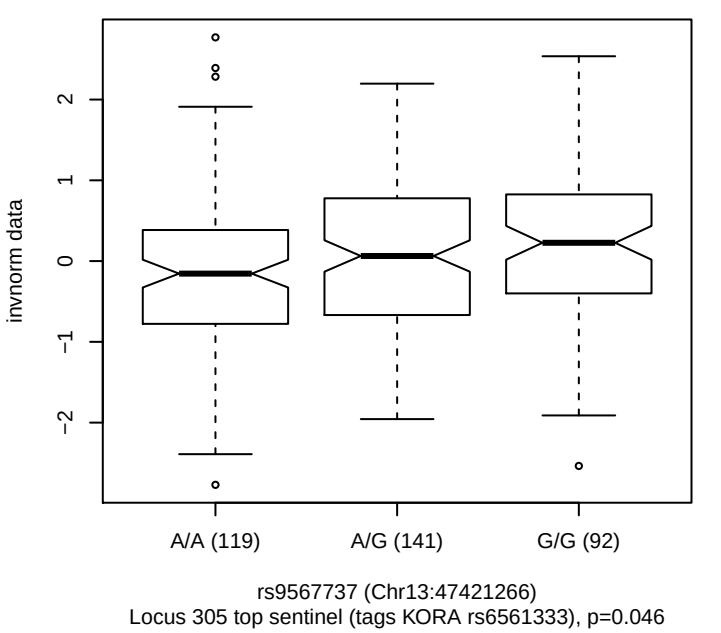

Esterase D (Uniprot: P10768, ProbeID: 4984−83_1)
Frequency
0
50
100
150
200
0
5000
10000
15000
20000
25000
30000
35000
raw data
S−formylglutathione hydrolase

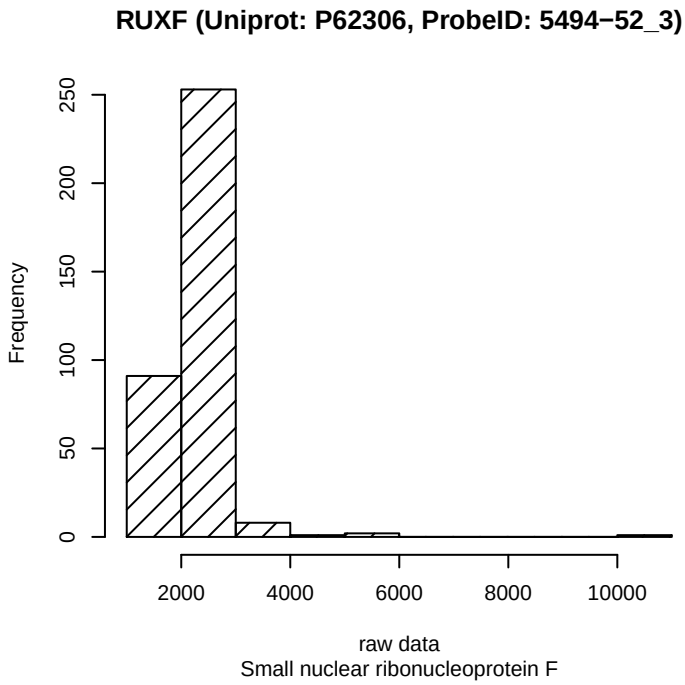

Esterase D (Uniprot: P10768, ProbeID: 4984−83_1)
raw data
0
5000
15000
25000
A/A (119)
A/G (141)
G/G (92)
rs9567737 (Chr13:47421266)
Locus 305 top sentinel (tags KORA rs6561333), p=0.27

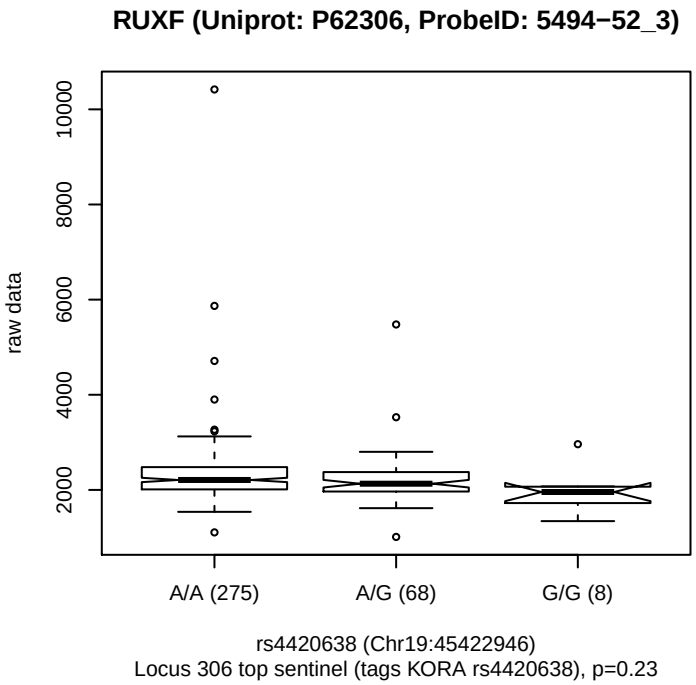

Esterase D (Uniprot: P10768, ProbeID: 4984−83_1)
Frequency
0
20
40
60
80
100
120
140
10
11
12
13
14
15
log2−scaled data
S−formylglutathione hydrolase

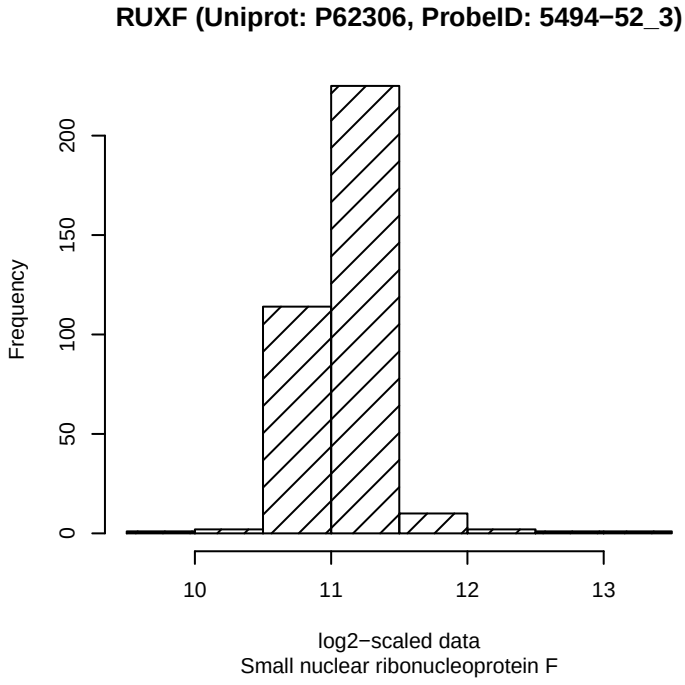

Esterase D (Uniprot: P10768, ProbeID: 4984−83_1)
log2−scaled data
10
11
12
13
14
15
A/A (119)
A/G (141)
G/G (92)
rs9567737 (Chr13:47421266)
Locus 305 top sentinel (tags KORA rs6561333), p=0.13, FC=1.0463

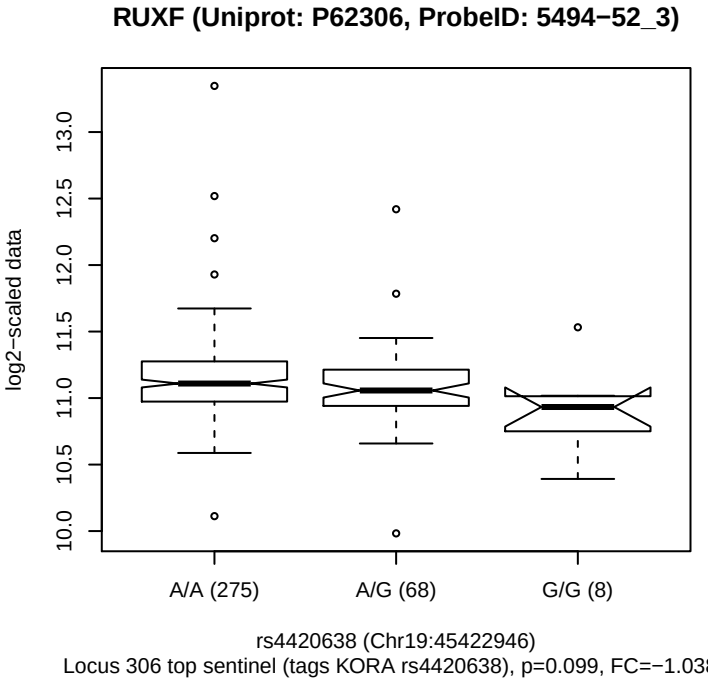

Esterase D (Uniprot: P10768, ProbeID: 4984−83_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
S−formylglutathione hydrolase

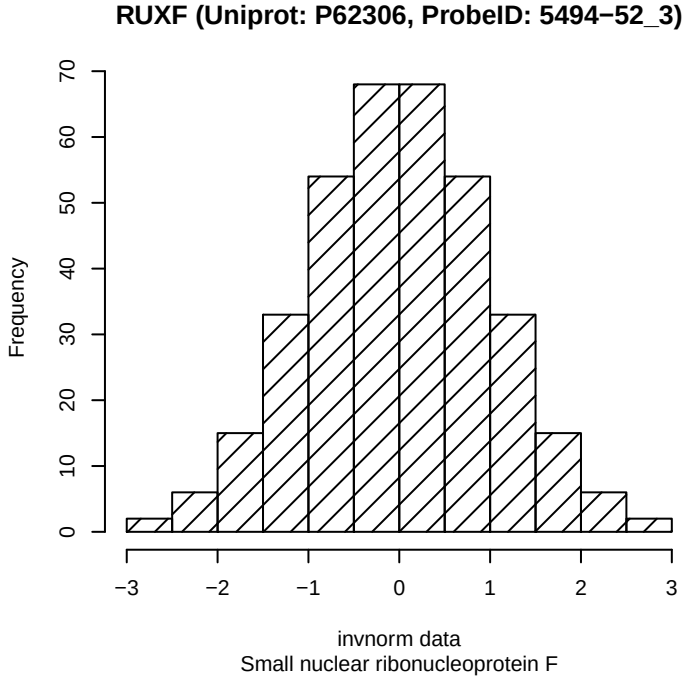

Esterase D (Uniprot: P10768, ProbeID: 4984−83_1)
invnorm data
−2
−1
0
1
2
A/A (119)
A/G (141)
G/G (92)
rs9567737 (Chr13:47421266)
Locus 305 top sentinel (tags KORA rs6561333), p=0.046

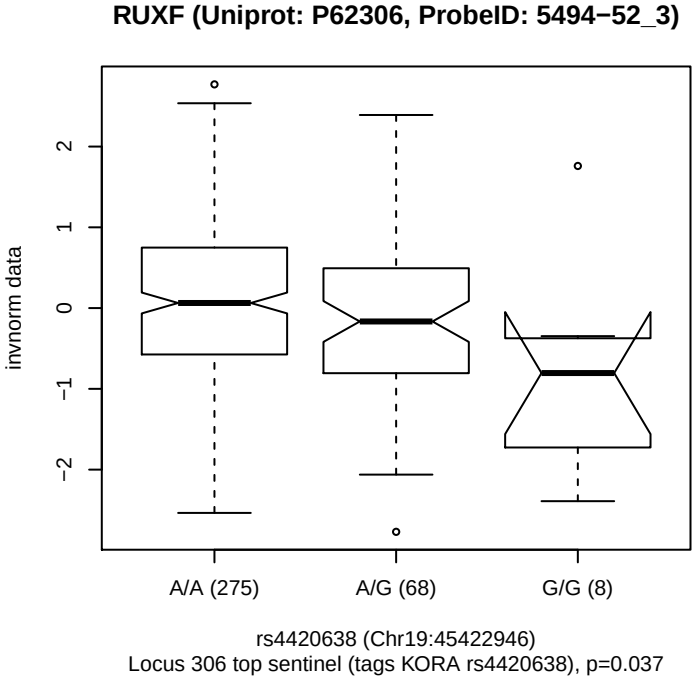

RUXF (Uniprot: P62306, ProbeID: 5494−52_3)
Frequency
0
50
100
150
200
250
2000
4000
6000
8000
10000
raw data
Small nuclear ribonucleoprotein F

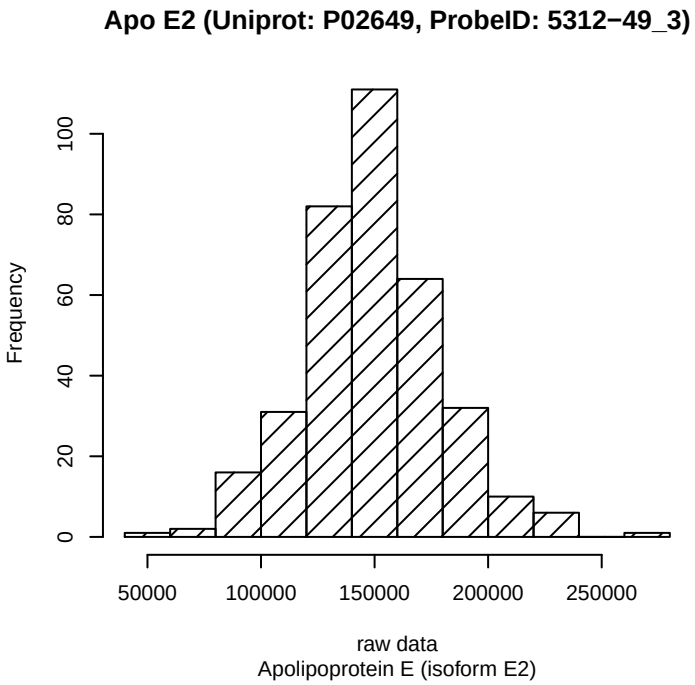

RUXF (Uniprot: P62306, ProbeID: 5494−52_3)
raw data
2000
4000
6000
8000
10000
A/A (275)
A/G (68)
G/G (8)
rs4420638 (Chr19:45422946)
Locus 306 top sentinel (tags KORA rs4420638), p=0.23

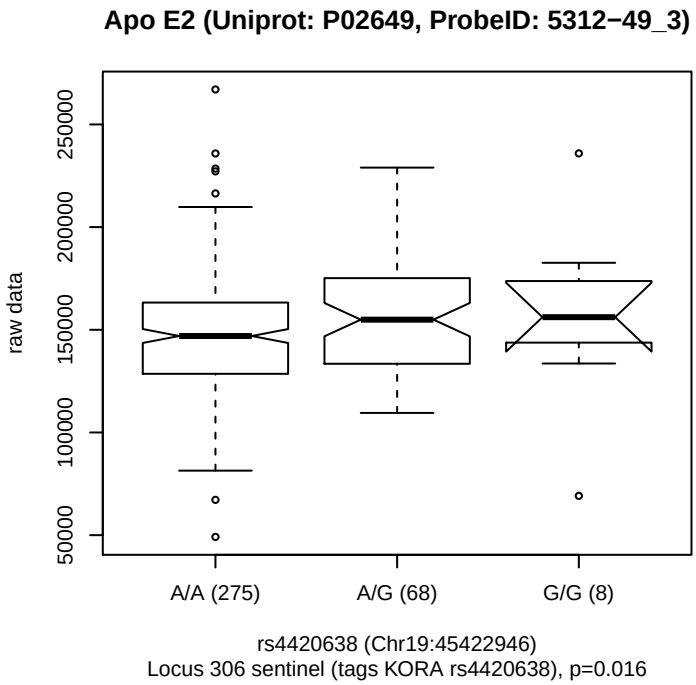

RUXF (Uniprot: P62306, ProbeID: 5494−52_3)
Frequency
0
50
100
150
200
10
11
12
13
log2−scaled data
Small nuclear ribonucleoprotein F

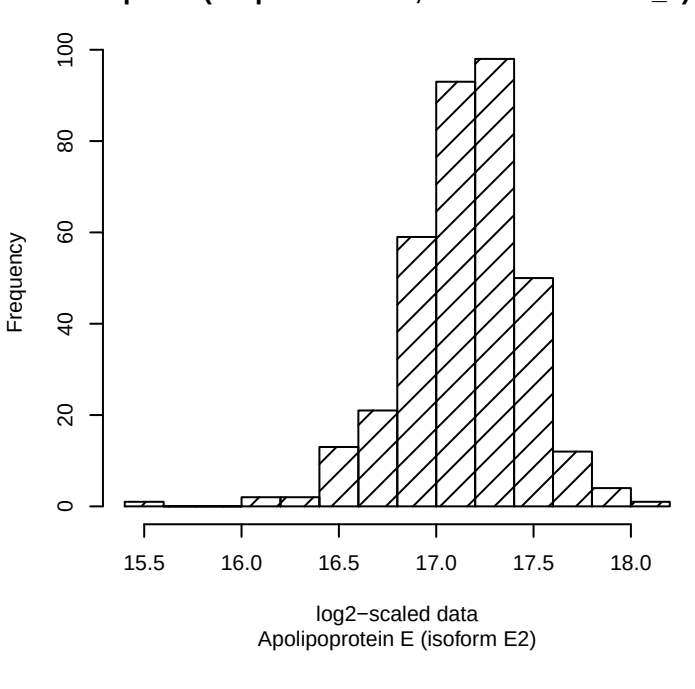

RUXF (Uniprot: P62306, ProbeID: 5494−52_3)
log2−scaled data
10.0
10.5
11.0
11.5
12.0
12.5
13.0
A/A (275)
A/G (68)
G/G (8)
rs4420638 (Chr19:45422946)
Locus 306 top sentinel (tags KORA rs4420638), p=0.099, FC=−1.0387

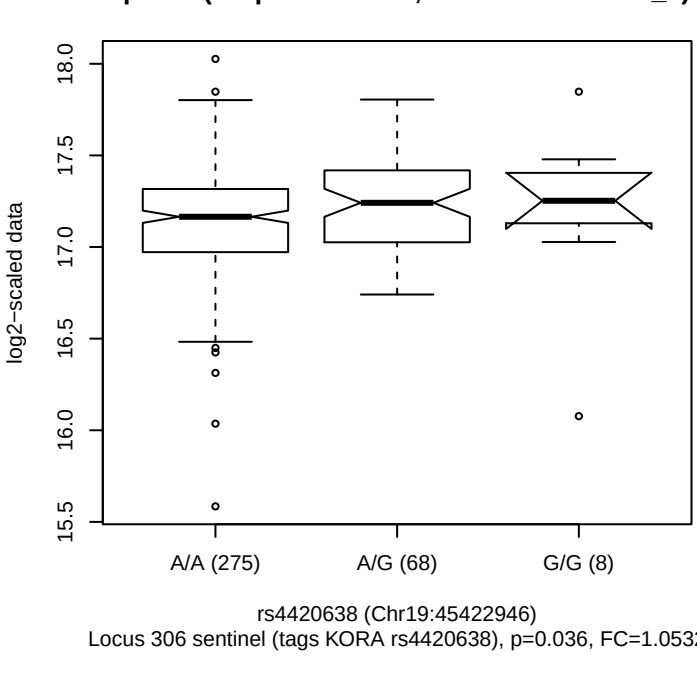

RUXF (Uniprot: P62306, ProbeID: 5494−52_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Small nuclear ribonucleoprotein F

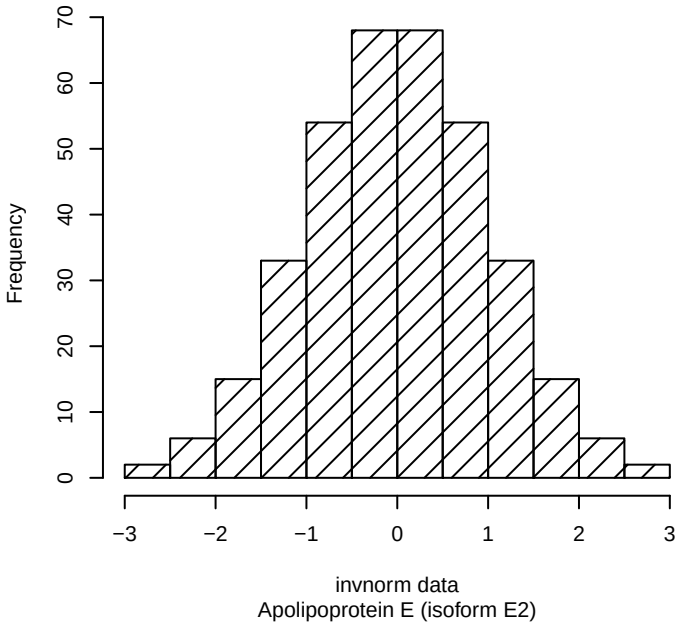

RUXF (Uniprot: P62306, ProbeID: 5494−52_3)
invnorm data
−2
−1
0
1
2
A/A (275)
A/G (68)
G/G (8)
rs4420638 (Chr19:45422946)
Locus 306 top sentinel (tags KORA rs4420638), p=0.037

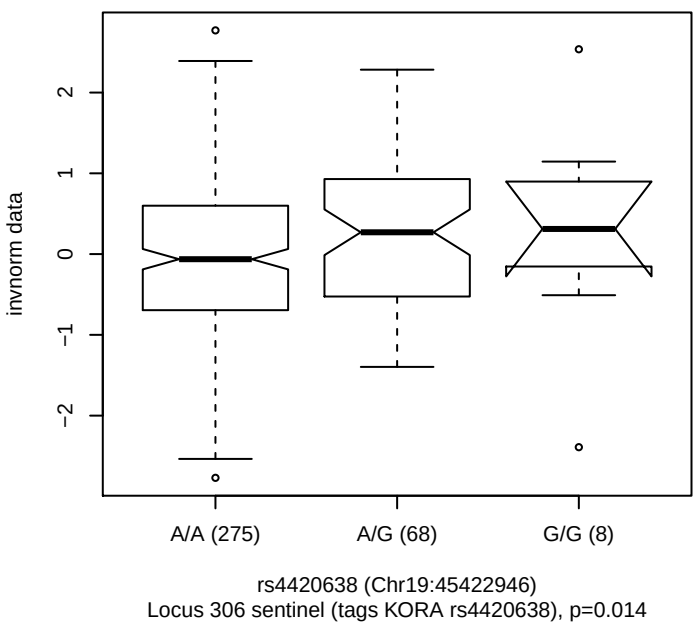

Apo E2 (Uniprot: P02649, ProbeID: 5312−49_3)
Frequency
0
20
40
60
80
100
50000
100000
150000
200000
250000
raw data
Apolipoprotein E (isoform E2)

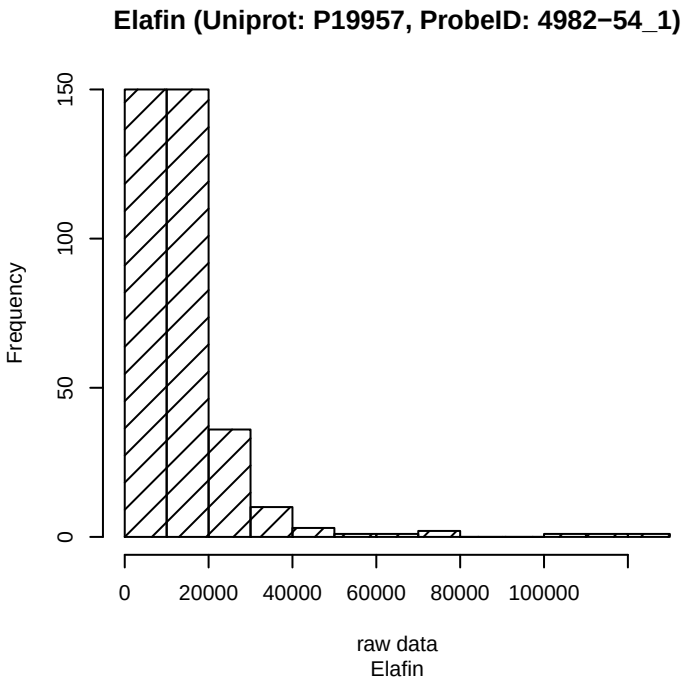

Apo E2 (Uniprot: P02649, ProbeID: 5312−49_3)
raw data
50000
100000
150000
200000
250000
A/A (275)
A/G (68)
G/G (8)
rs4420638 (Chr19:45422946)
Locus 306 sentinel (tags KORA rs4420638), p=0.016

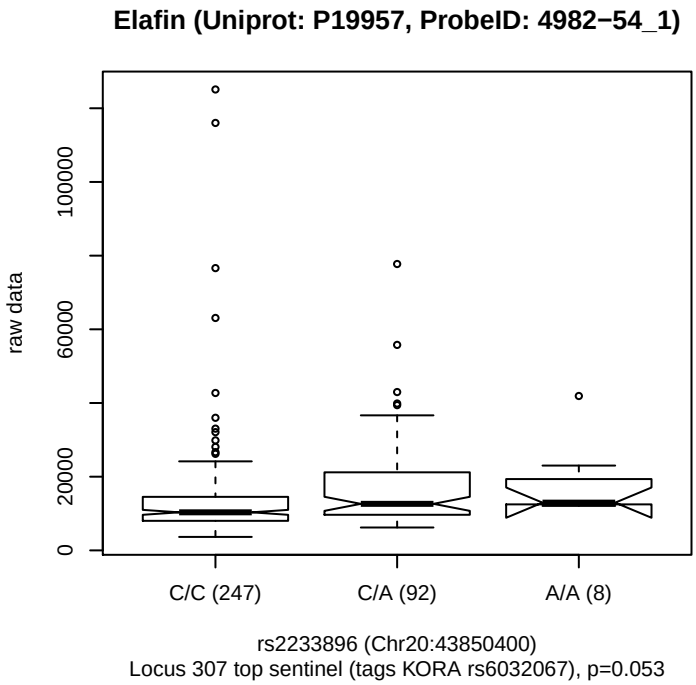

Apo E2 (Uniprot: P02649, ProbeID: 5312−49_3)
Frequency
0
20
40
60
80
100
15.5
16.0
16.5
17.0
17.5
18.0
log2−scaled data
Apolipoprotein E (isoform E2)

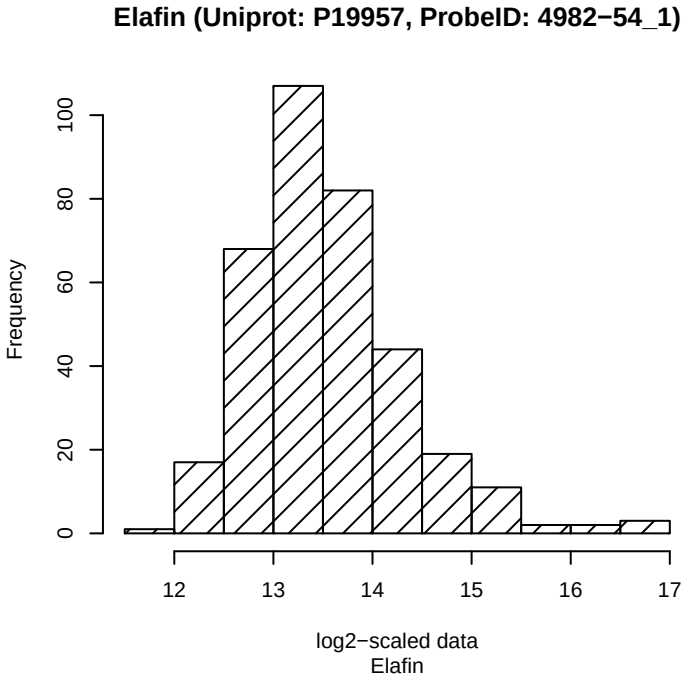

Apo E2 (Uniprot: P02649, ProbeID: 5312−49_3)
log2−scaled data
15.5
16.0
16.5
17.0
17.5
18.0
A/A (275)
A/G (68)
G/G (8)
rs4420638 (Chr19:45422946)
Locus 306 sentinel (tags KORA rs4420638), p=0.036, FC=1.0532

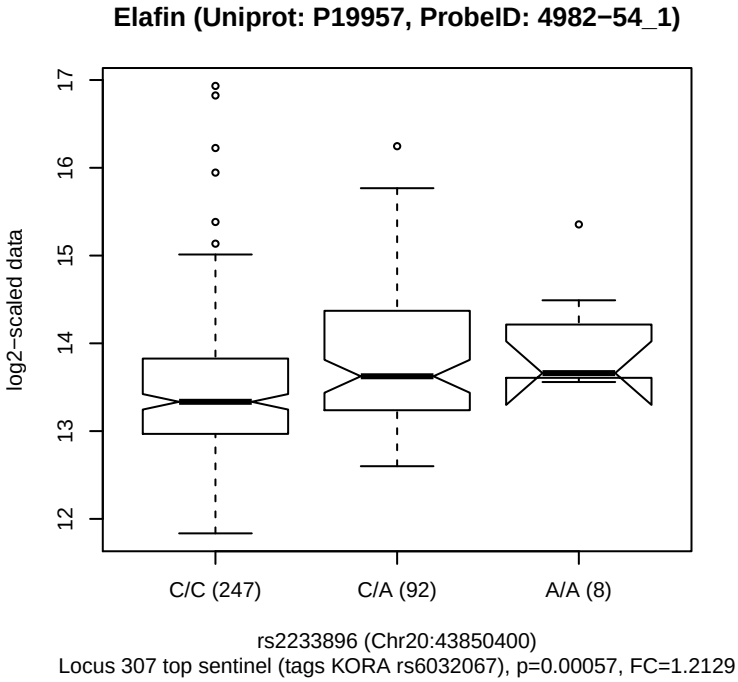

Apo E2 (Uniprot: P02649, ProbeID: 5312−49_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Apolipoprotein E (isoform E2)

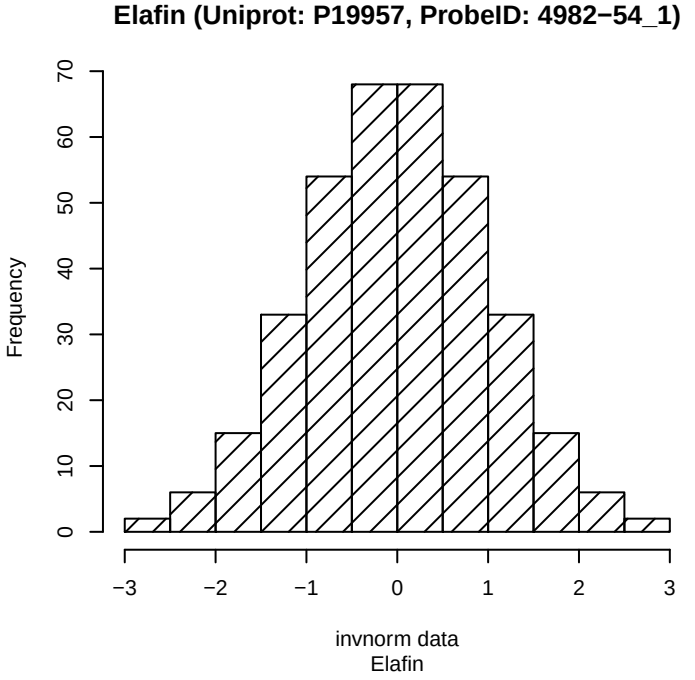

Apo E2 (Uniprot: P02649, ProbeID: 5312−49_3)
invnorm data
−2
−1
0
1
2
A/A (275)
A/G (68)
G/G (8)
rs4420638 (Chr19:45422946)
Locus 306 sentinel (tags KORA rs4420638), p=0.014

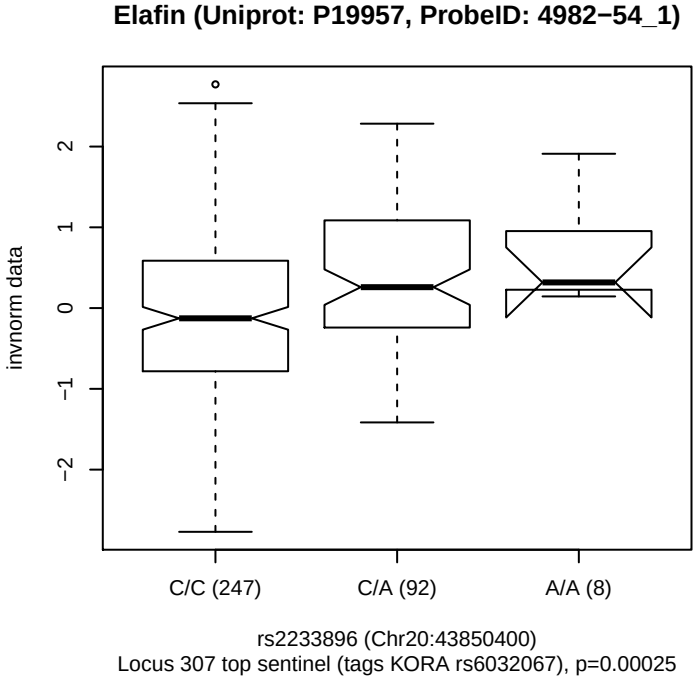

Elafin (Uniprot: P19957, ProbeID: 4982−54_1)
Frequency
0
50
100
150
0
20000
40000
60000
80000
100000
raw data
Elafin

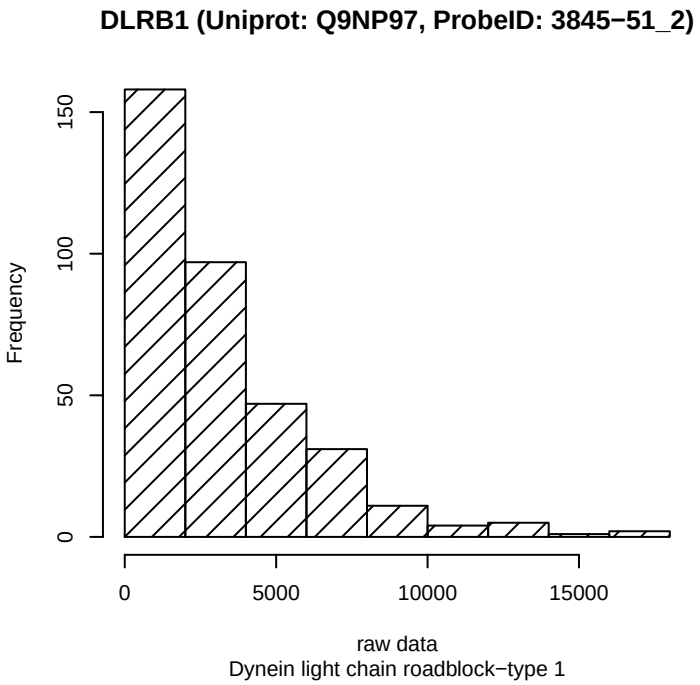

Elafin (Uniprot: P19957, ProbeID: 4982−54_1)
raw data
0
20000
60000
100000
C/C (247)
C/A (92)
A/A (8)
rs2233896 (Chr20:43850400)
Locus 307 top sentinel (tags KORA rs6032067), p=0.053

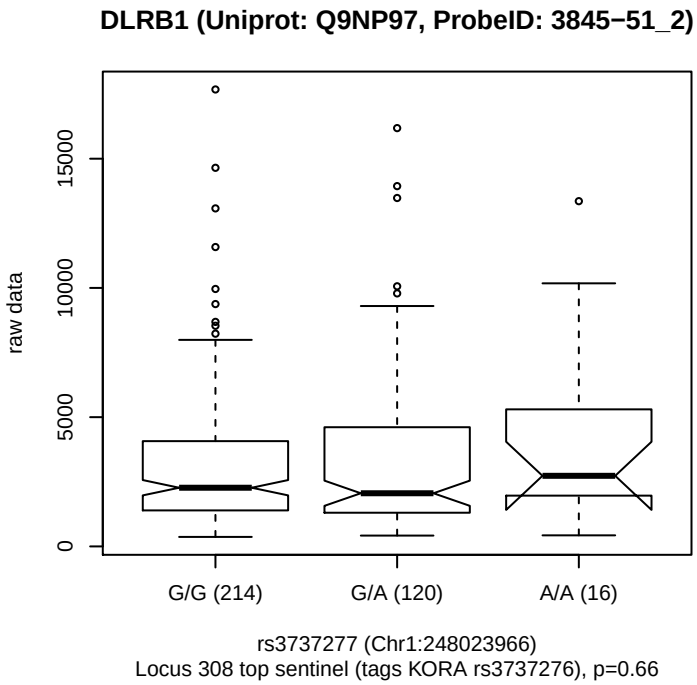

Elafin (Uniprot: P19957, ProbeID: 4982−54_1)
Frequency
0
20
40
60
80
100
12
13
14
15
16
17
log2−scaled data
Elafin

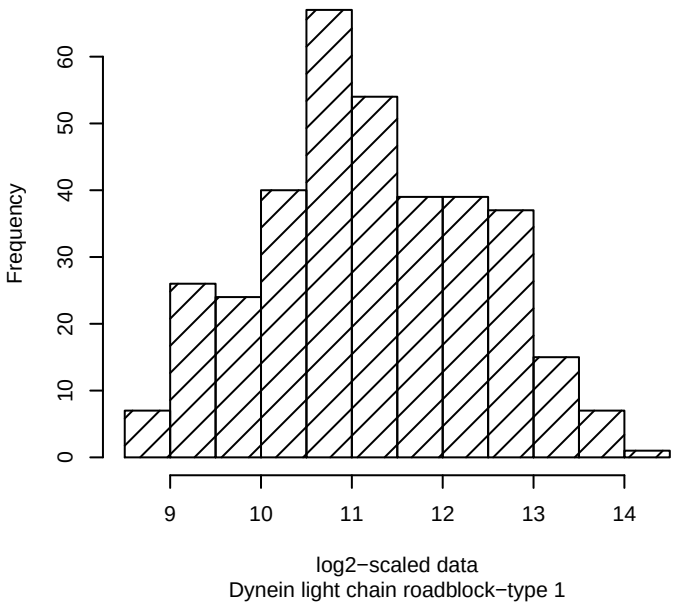

Elafin (Uniprot: P19957, ProbeID: 4982−54_1)
log2−scaled data
12
13
14
15
16
17
C/C (247)
C/A (92)
A/A (8)
rs2233896 (Chr20:43850400)
Locus 307 top sentinel (tags KORA rs6032067), p=0.00057, FC=1.2129

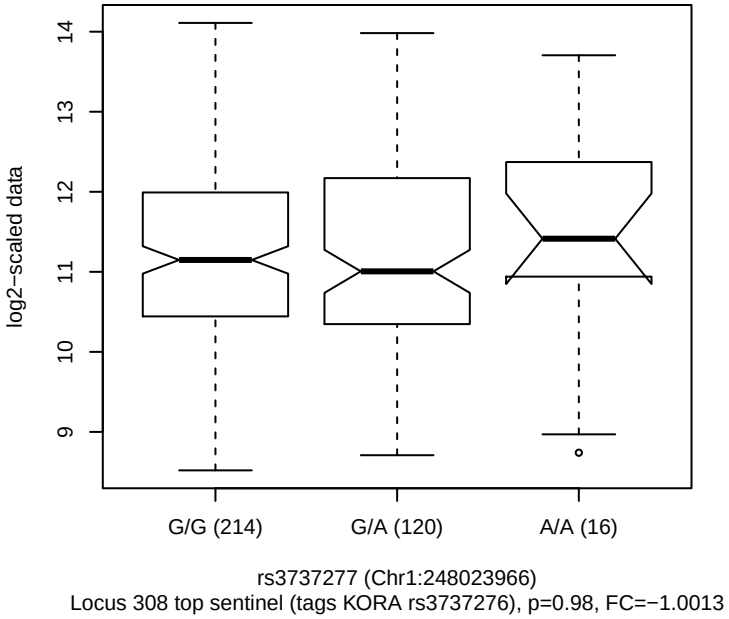

Elafin (Uniprot: P19957, ProbeID: 4982−54_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Elafin

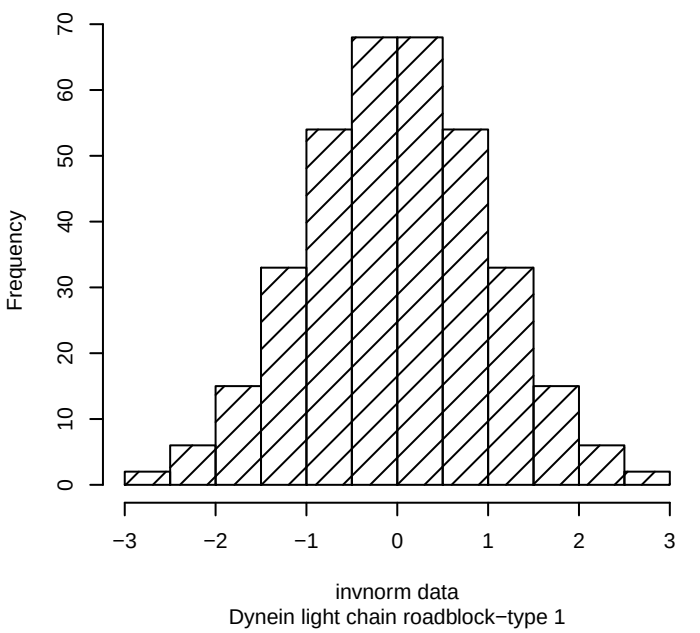

Elafin (Uniprot: P19957, ProbeID: 4982−54_1)
invnorm data
−2
−1
0
1
2
C/C (247)
C/A (92)
A/A (8)
rs2233896 (Chr20:43850400)
Locus 307 top sentinel (tags KORA rs6032067), p=0.00025

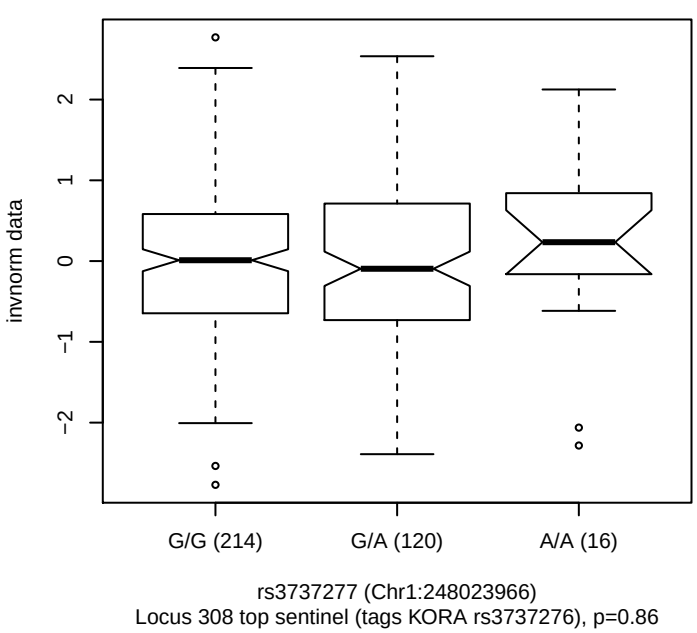

DLRB1 (Uniprot: Q9NP97, ProbeID: 3845−51_2)
Frequency
0
50
100
150
0
5000
10000
15000
raw data
Dynein light chain roadblock−type 1

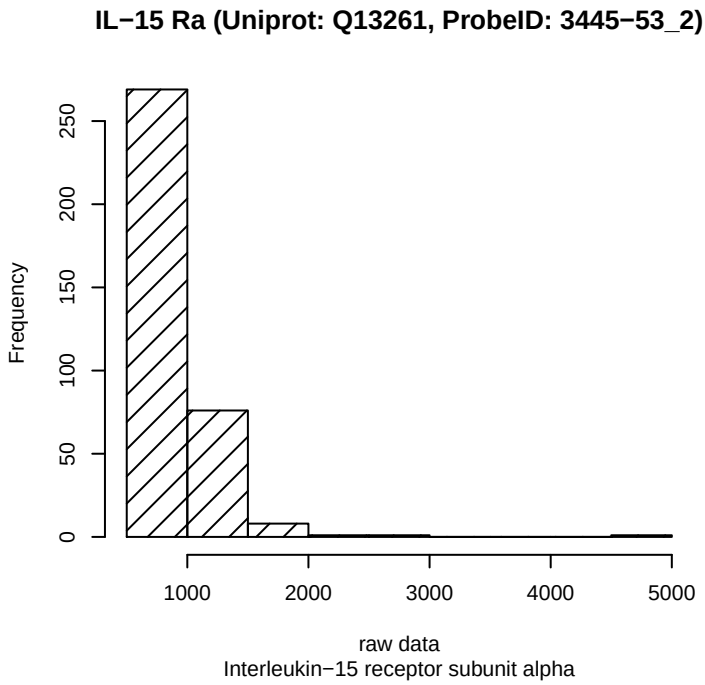

DLRB1 (Uniprot: Q9NP97, ProbeID: 3845−51_2)
raw data
0
5000
10000
15000
G/G (214)
G/A (120)
A/A (16)
rs3737277 (Chr1:248023966)
Locus 308 top sentinel (tags KORA rs3737276), p=0.66

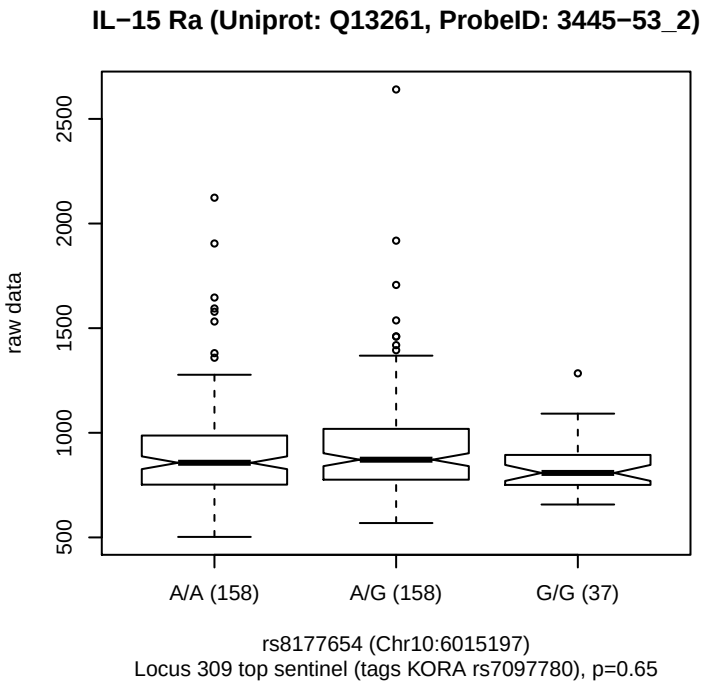

DLRB1 (Uniprot: Q9NP97, ProbeID: 3845−51_2)
Frequency
0
10
20
30
40
50
60
9
10
11
12
13
14
log2−scaled data
Dynein light chain roadblock−type 1

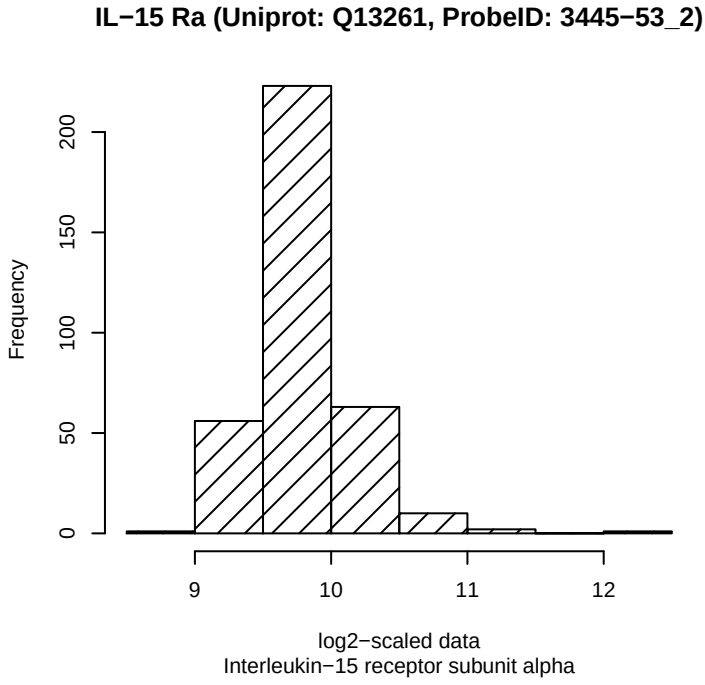

DLRB1 (Uniprot: Q9NP97, ProbeID: 3845−51_2)
log2−scaled data
9
10
11
12
13
14
G/G (214)
G/A (120)
A/A (16)
rs3737277 (Chr1:248023966)
Locus 308 top sentinel (tags KORA rs3737276), p=0.98, FC=−1.0013

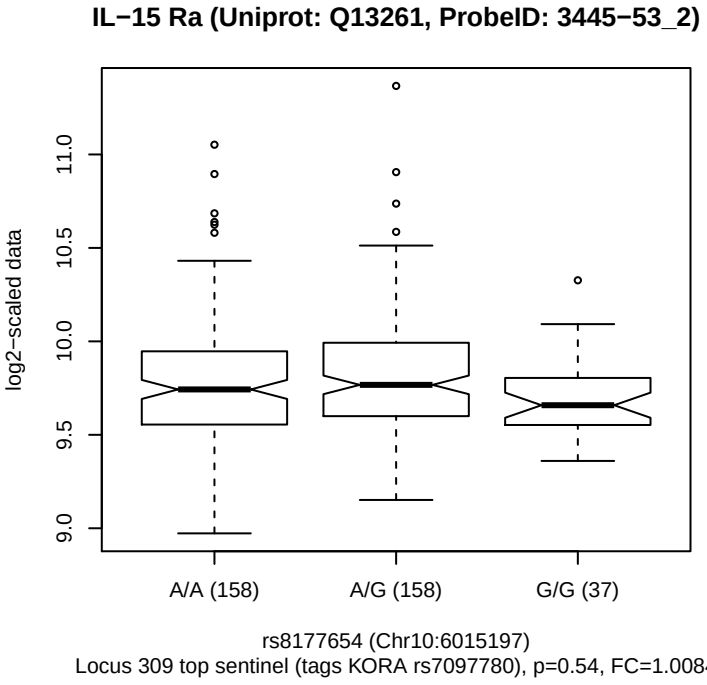

DLRB1 (Uniprot: Q9NP97, ProbeID: 3845−51_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Dynein light chain roadblock−type 1

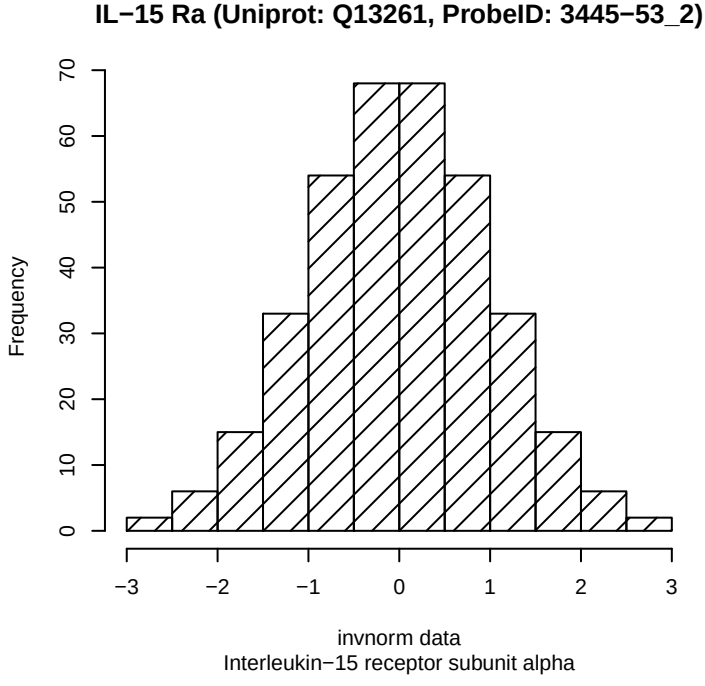

DLRB1 (Uniprot: Q9NP97, ProbeID: 3845−51_2)
invnorm data
−2
−1
0
1
2
G/G (214)
G/A (120)
A/A (16)
rs3737277 (Chr1:248023966)
Locus 308 top sentinel (tags KORA rs3737276), p=0.86

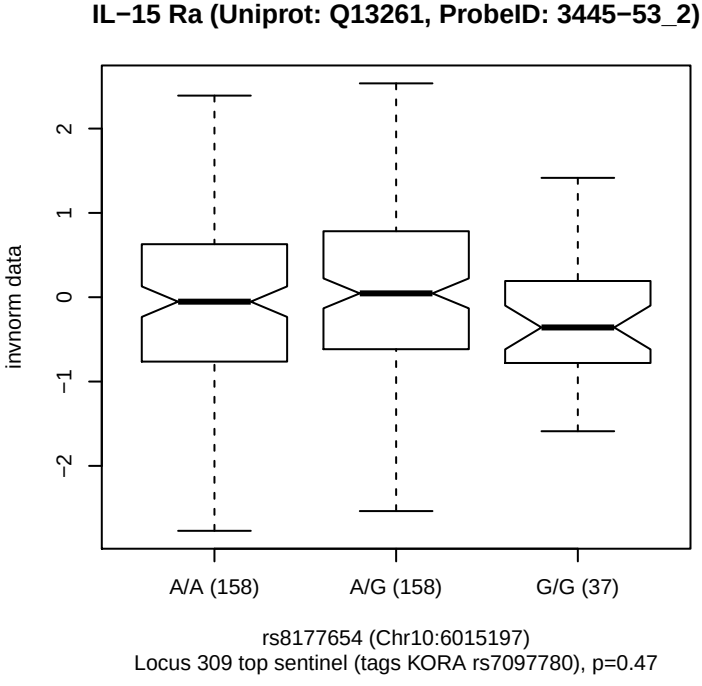

IL−15 Ra (Uniprot: Q13261, ProbeID: 3445−53_2)
Frequency
0
50
100
150
200
250
1000
2000
3000
4000
5000
raw data
Interleukin−15 receptor subunit alpha

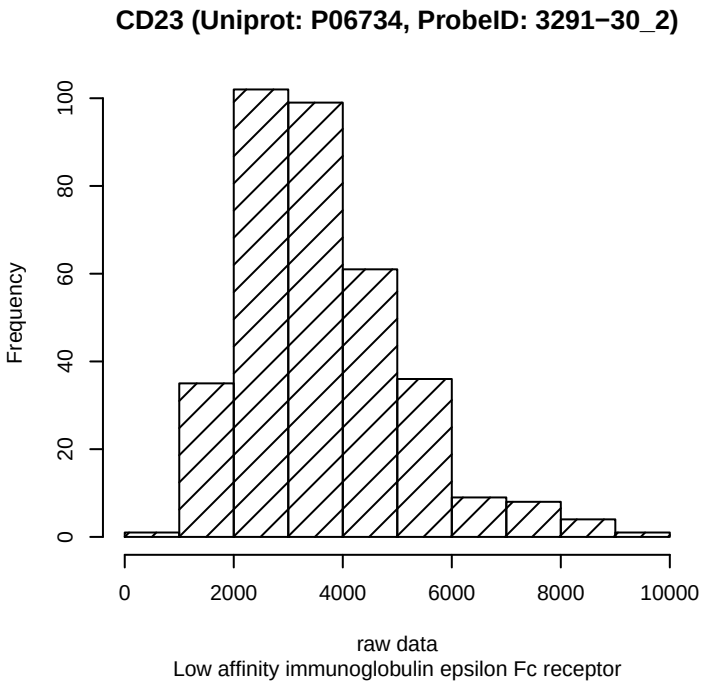

IL−15 Ra (Uniprot: Q13261, ProbeID: 3445−53_2)
raw data
500
1000
1500
2000
2500
A/A (158)
A/G (158)
G/G (37)
rs8177654 (Chr10:6015197)
Locus 309 top sentinel (tags KORA rs7097780), p=0.65

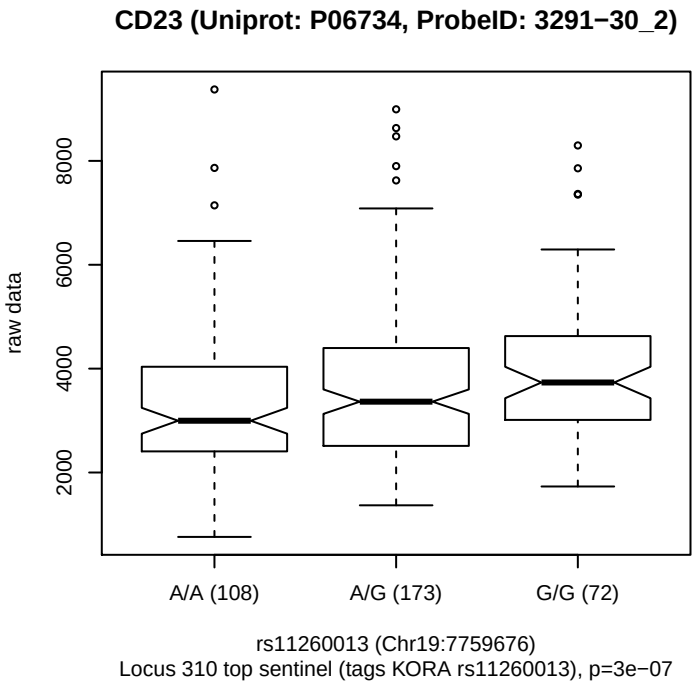

IL−15 Ra (Uniprot: Q13261, ProbeID: 3445−53_2)
Frequency
0
50
100
150
200
9
10
11
12
log2−scaled data
Interleukin−15 receptor subunit alpha

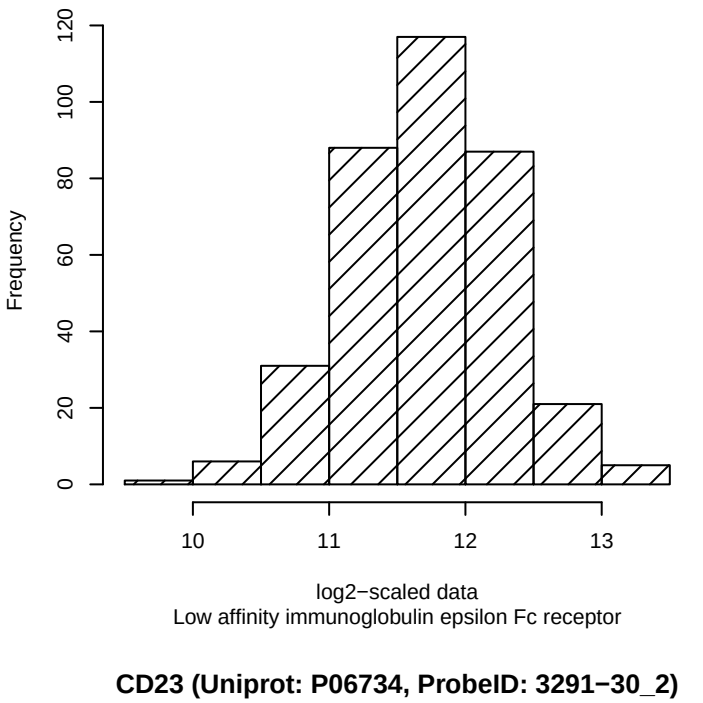

IL−15 Ra (Uniprot: Q13261, ProbeID: 3445−53_2)
log2−scaled data
9.0
9.5
10.0
10.5
11.0
A/A (158)
A/G (158)
G/G (37)
rs8177654 (Chr10:6015197)
Locus 309 top sentinel (tags KORA rs7097780), p=0.54, FC=1.0084

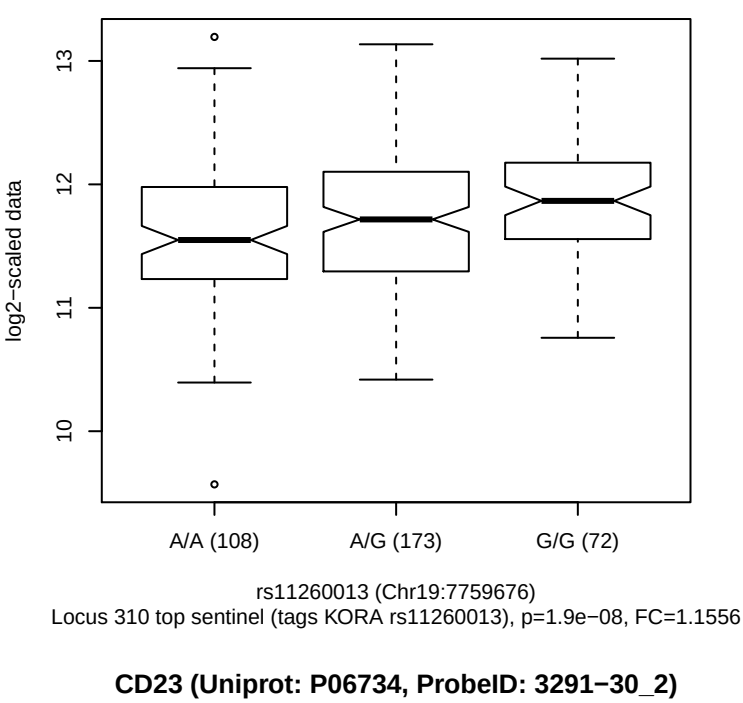

IL−15 Ra (Uniprot: Q13261, ProbeID: 3445−53_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−15 receptor subunit alpha

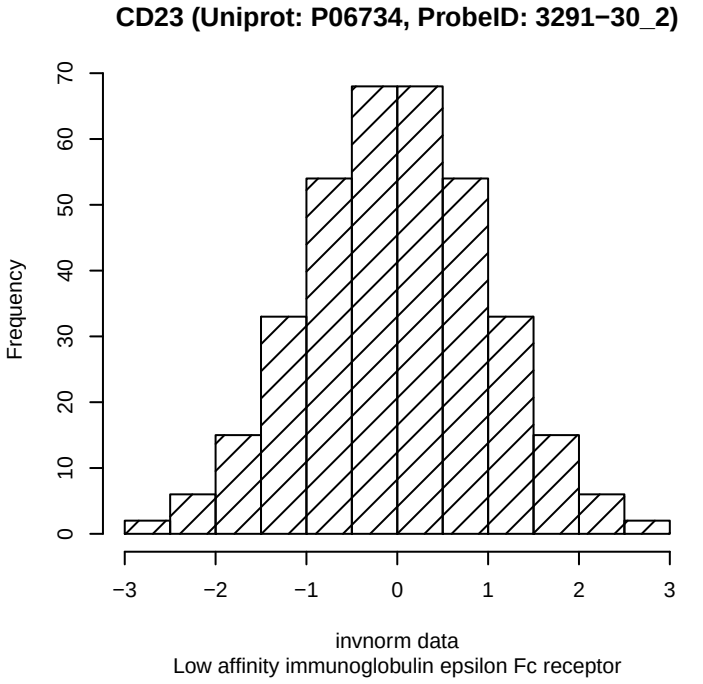

IL−15 Ra (Uniprot: Q13261, ProbeID: 3445−53_2)
invnorm data
−2
−1
0
1
2
A/A (158)
A/G (158)
G/G (37)
rs8177654 (Chr10:6015197)
Locus 309 top sentinel (tags KORA rs7097780), p=0.47

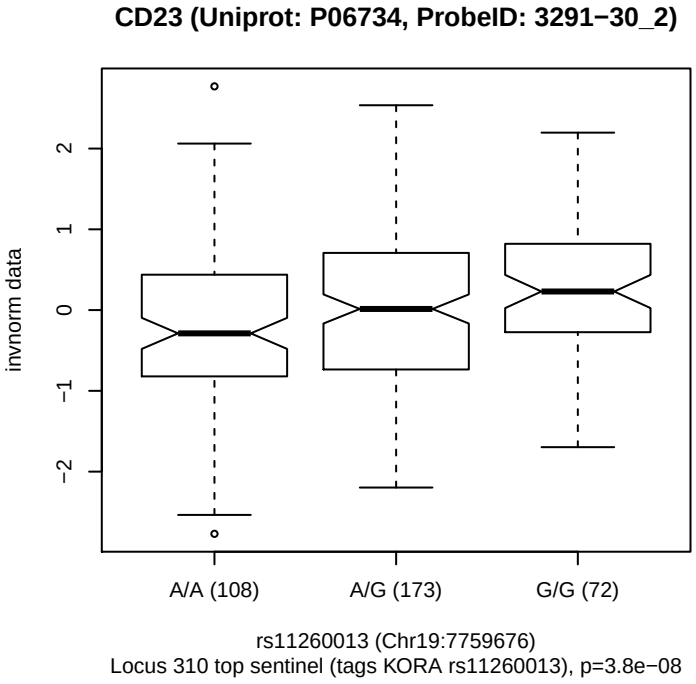

CD23 (Uniprot: P06734, ProbeID: 3291−30_2)
Frequency
0
20
40
60
80
100
0
2000
4000
6000
8000
10000
raw data
Low affinity immunoglobulin epsilon Fc receptor

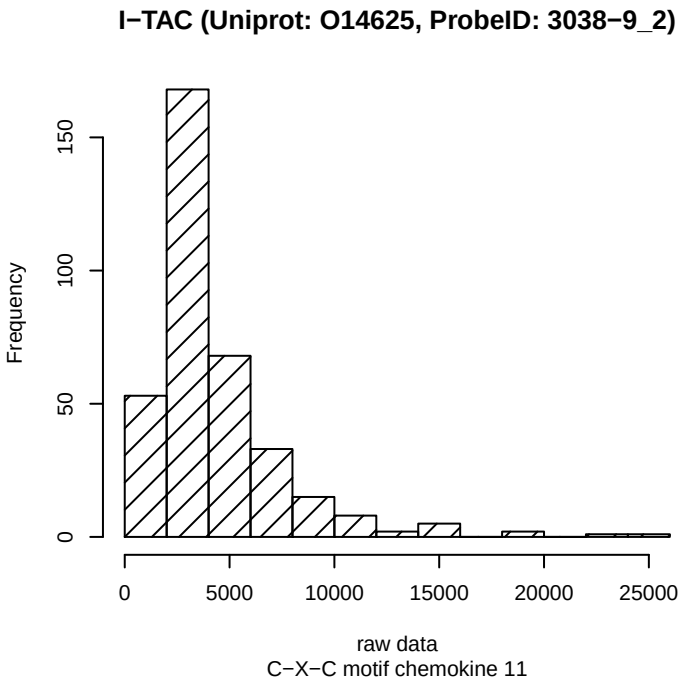

CD23 (Uniprot: P06734, ProbeID: 3291−30_2)
raw data
2000
4000
6000
8000
A/A (108)
A/G (173)
G/G (72)
rs11260013 (Chr19:7759676)
Locus 310 top sentinel (tags KORA rs11260013), p=3e−07

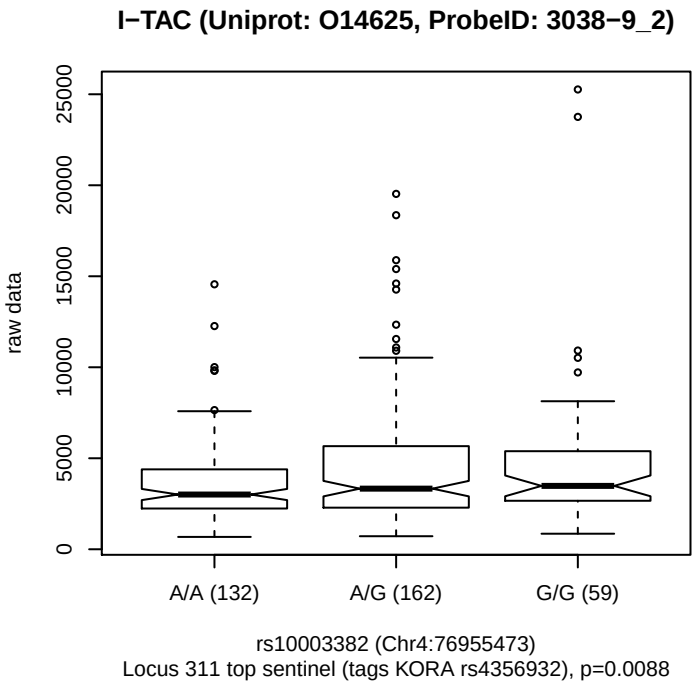

CD23 (Uniprot: P06734, ProbeID: 3291−30_2)
Frequency
0
20
40
60
80
100
120
10
11
12
13
log2−scaled data
Low affinity immunoglobulin epsilon Fc receptor

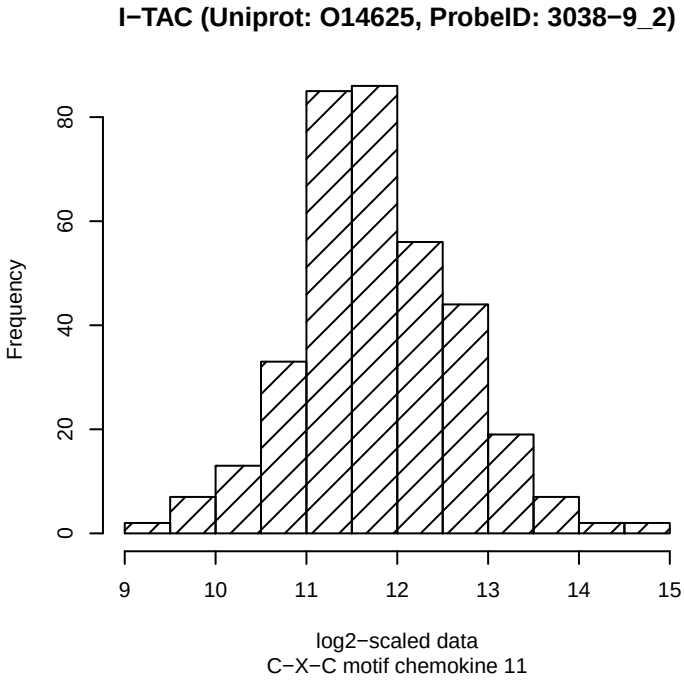

CD23 (Uniprot: P06734, ProbeID: 3291−30_2)
log2−scaled data
10
11
12
13
A/A (108)
A/G (173)
G/G (72)
rs11260013 (Chr19:7759676)
Locus 310 top sentinel (tags KORA rs11260013), p=1.9e−08, FC=1.1556

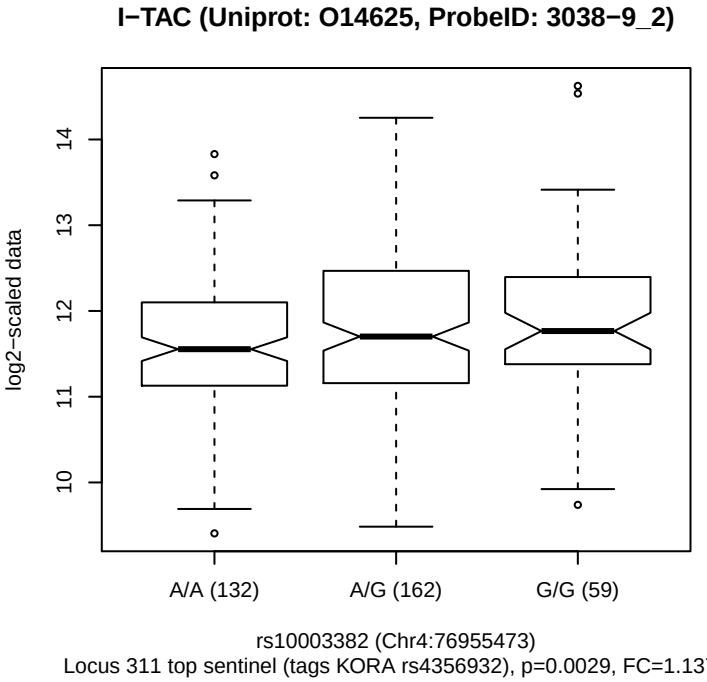

CD23 (Uniprot: P06734, ProbeID: 3291−30_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Low affinity immunoglobulin epsilon Fc receptor

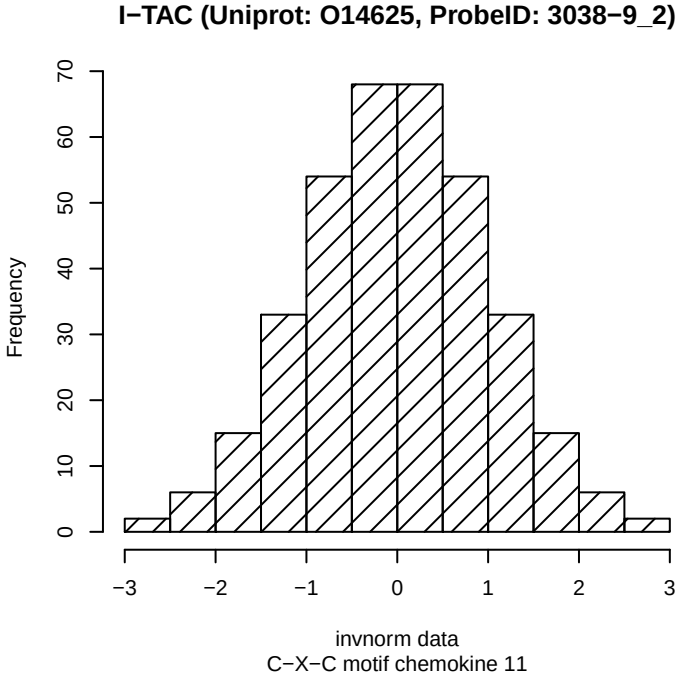

CD23 (Uniprot: P06734, ProbeID: 3291−30_2)
invnorm data
−2
−1
0
1
2
A/A (108)
A/G (173)
G/G (72)
rs11260013 (Chr19:7759676)
Locus 310 top sentinel (tags KORA rs11260013), p=3.8e−08

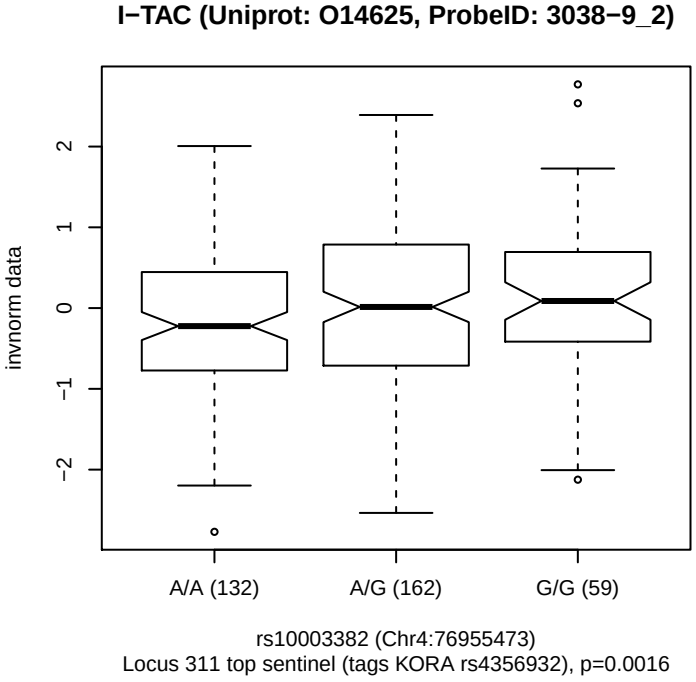

I−TAC (Uniprot: O14625, ProbeID: 3038−9_2)
Frequency
0
50
100
150
0
5000
10000
15000
20000
25000
raw data
C−X−C motif chemokine 11

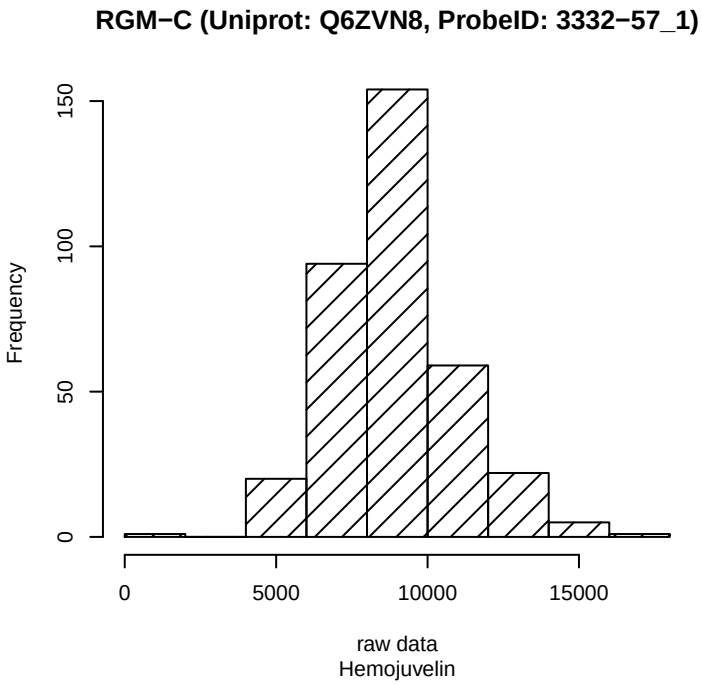

I−TAC (Uniprot: O14625, ProbeID: 3038−9_2)
raw data
0
5000
10000
15000
20000
25000
A/A (132)
A/G (162)
G/G (59)
rs10003382 (Chr4:76955473)
Locus 311 top sentinel (tags KORA rs4356932), p=0.0088

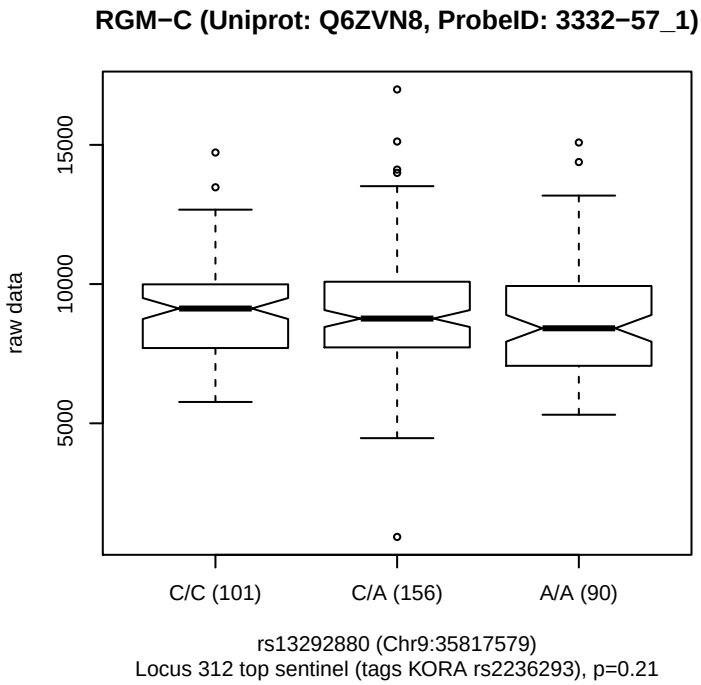

I−TAC (Uniprot: O14625, ProbeID: 3038−9_2)
Frequency
0
20
40
60
80
9
10
11
12
13
14
15
log2−scaled data
C−X−C motif chemokine 11

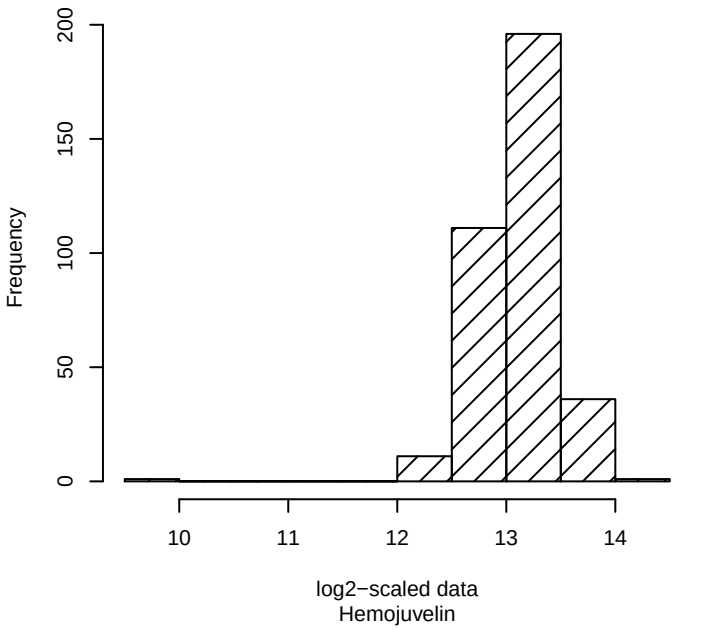

I−TAC (Uniprot: O14625, ProbeID: 3038−9_2)
log2−scaled data
10
11
12
13
14
A/A (132)
A/G (162)
G/G (59)
rs10003382 (Chr4:76955473)
Locus 311 top sentinel (tags KORA rs4356932), p=0.0029, FC=1.1377

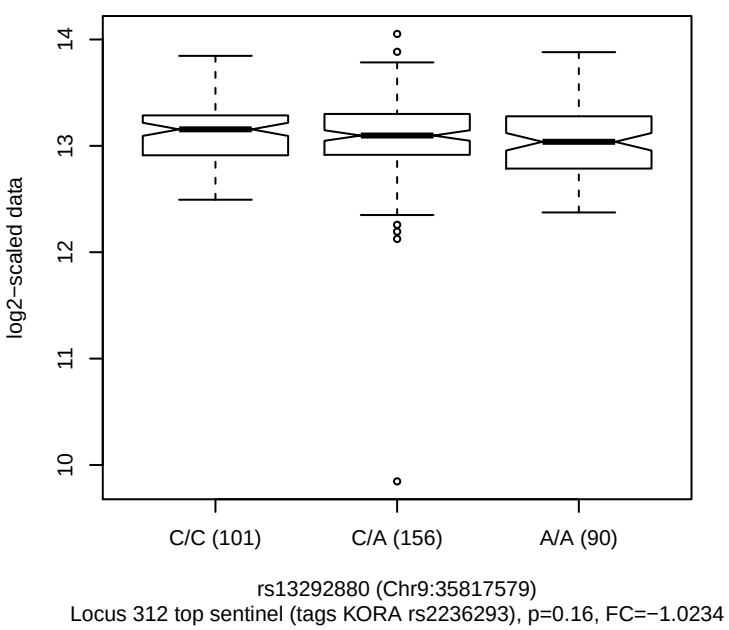

I−TAC (Uniprot: O14625, ProbeID: 3038−9_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
C−X−C motif chemokine 11

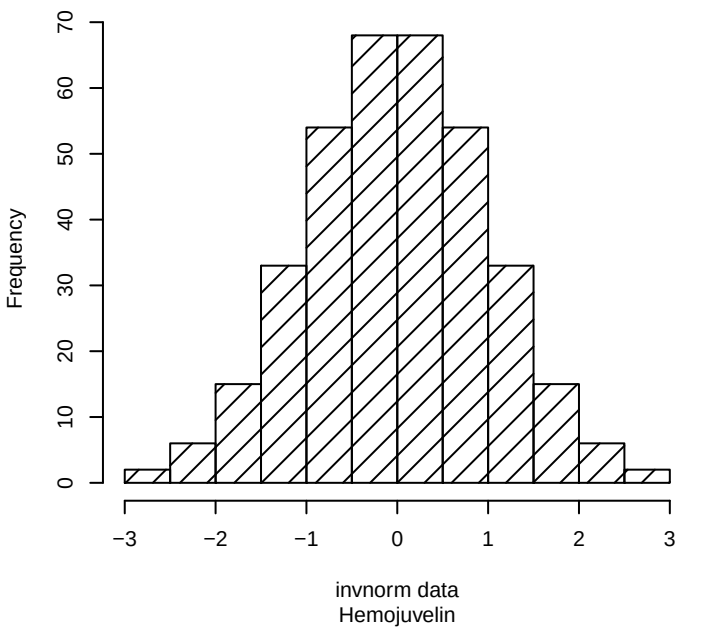

I−TAC (Uniprot: O14625, ProbeID: 3038−9_2)
invnorm data
−2
−1
0
1
2
A/A (132)
A/G (162)
G/G (59)
rs10003382 (Chr4:76955473)
Locus 311 top sentinel (tags KORA rs4356932), p=0.0016

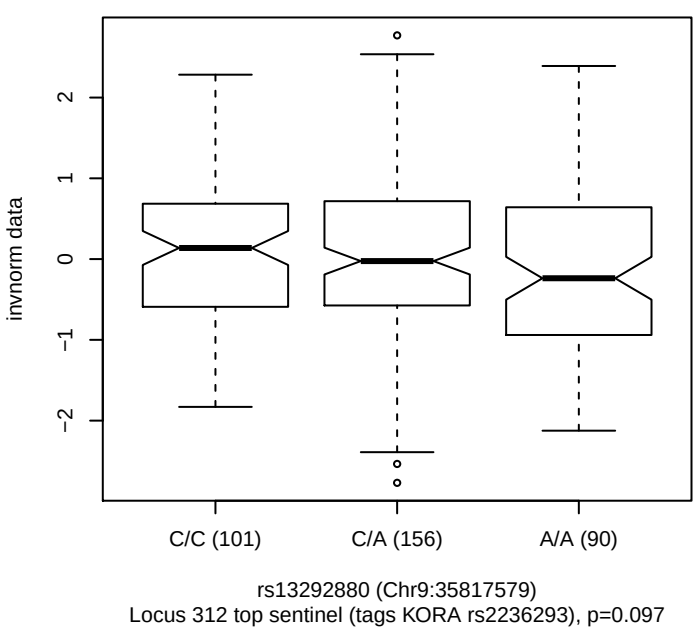

RGM−C (Uniprot: Q6ZVN8, ProbeID: 3332−57_1)
Frequency
0
50
100
150
0
5000
10000
15000
raw data
Hemojuvelin

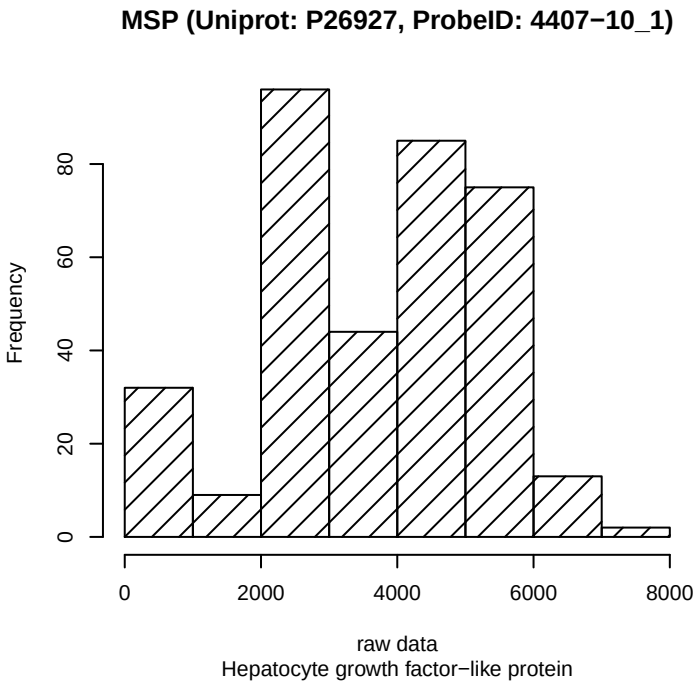

RGM−C (Uniprot: Q6ZVN8, ProbeID: 3332−57_1)
raw data
5000
10000
15000
C/C (101)
C/A (156)
A/A (90)
rs13292880 (Chr9:35817579)
Locus 312 top sentinel (tags KORA rs2236293), p=0.21

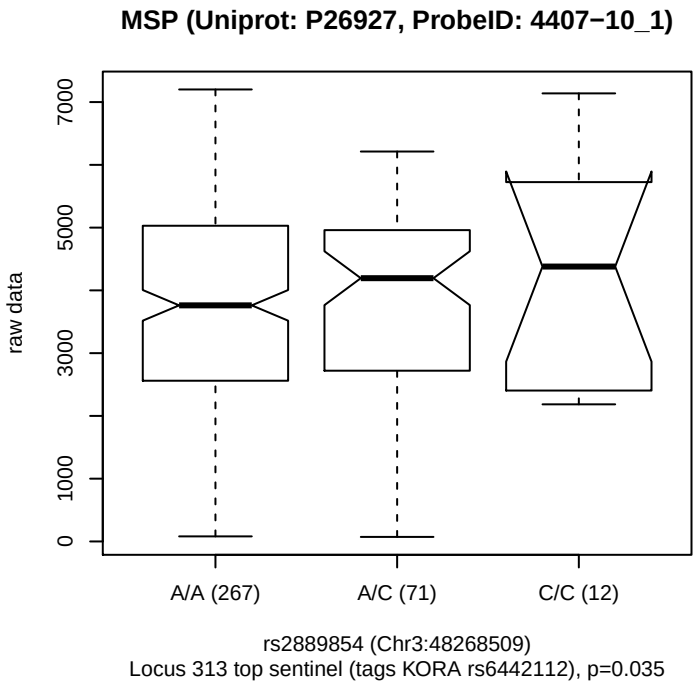

RGM−C (Uniprot: Q6ZVN8, ProbeID: 3332−57_1)
Frequency
0
50
100
150
200
10
11
12
13
14
log2−scaled data
Hemojuvelin

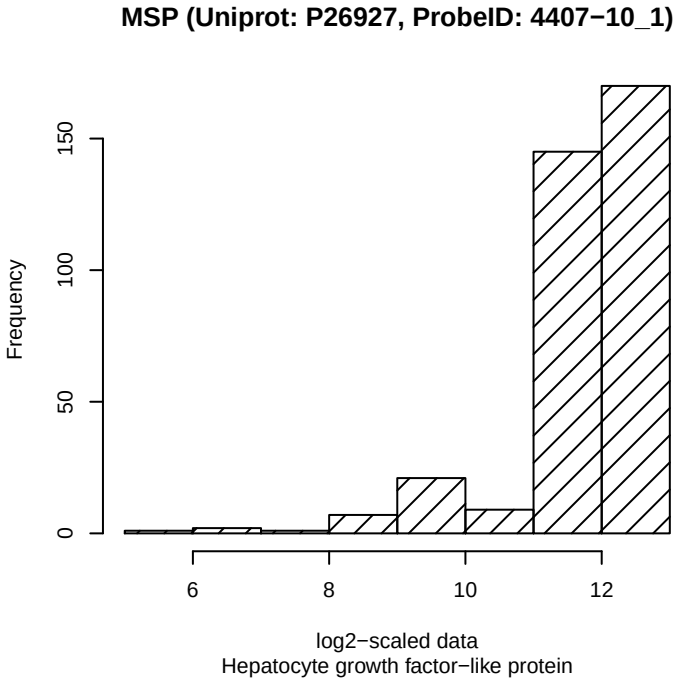

RGM−C (Uniprot: Q6ZVN8, ProbeID: 3332−57_1)
log2−scaled data
10
11
12
13
14
C/C (101)
C/A (156)
A/A (90)
rs13292880 (Chr9:35817579)
Locus 312 top sentinel (tags KORA rs2236293), p=0.16, FC=−1.0234

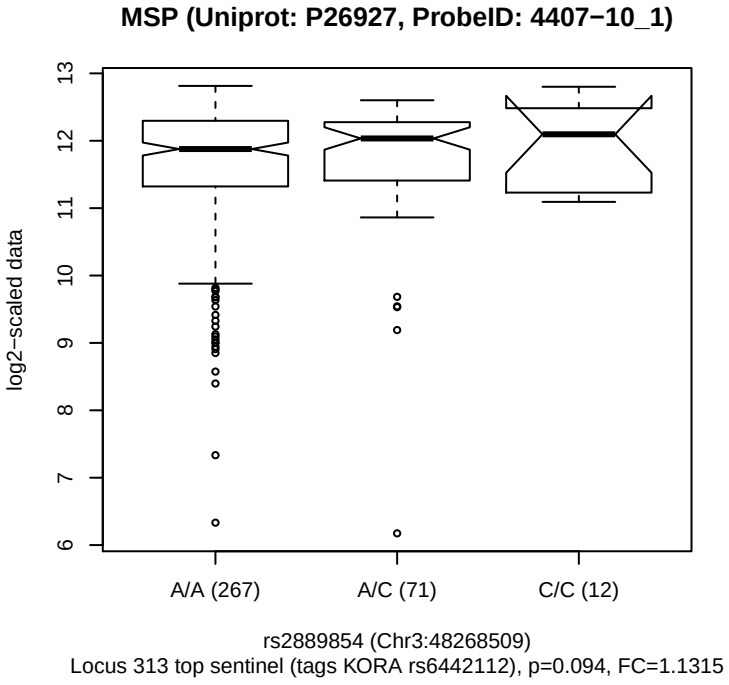

RGM−C (Uniprot: Q6ZVN8, ProbeID: 3332−57_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Hemojuvelin

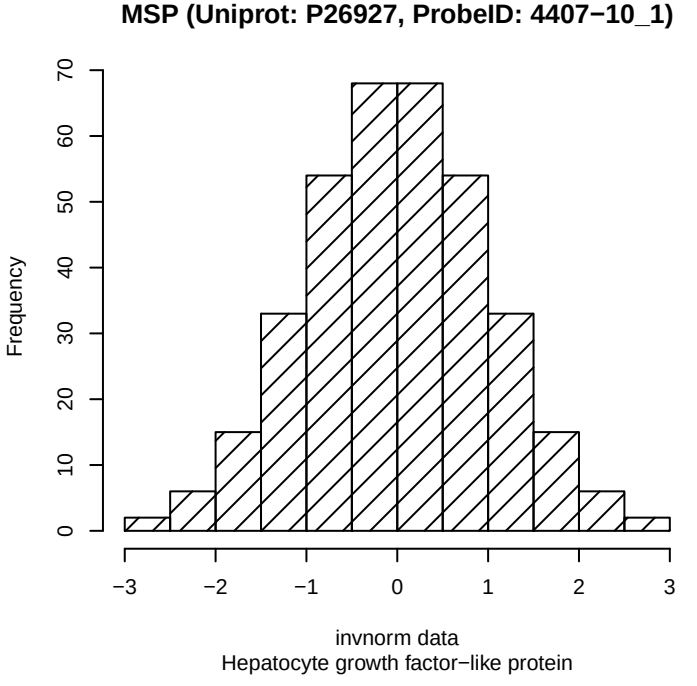

RGM−C (Uniprot: Q6ZVN8, ProbeID: 3332−57_1)
invnorm data
−2
−1
0
1
2
C/C (101)
C/A (156)
A/A (90)
rs13292880 (Chr9:35817579)
Locus 312 top sentinel (tags KORA rs2236293), p=0.097

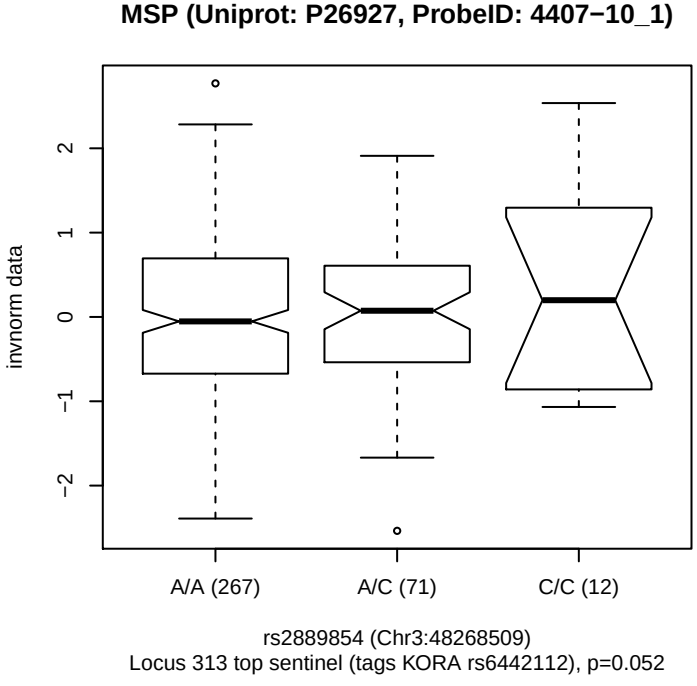

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
Frequency
0
20
40
60
80
0
2000
4000
6000
8000
raw data
Hepatocyte growth factor−like protein

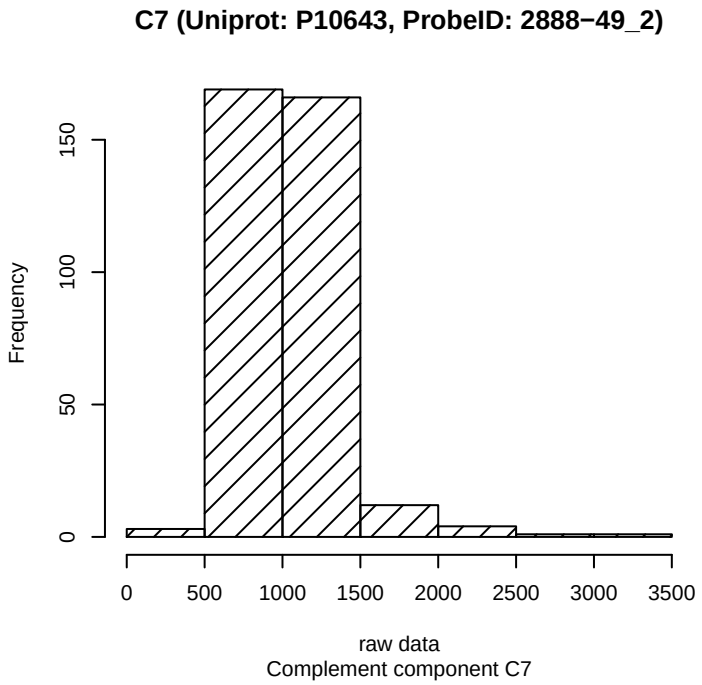

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
raw data
0
1000
3000
5000
7000
A/A (267)
A/C (71)
C/C (12)
rs2889854 (Chr3:48268509)
Locus 313 top sentinel (tags KORA rs6442112), p=0.035

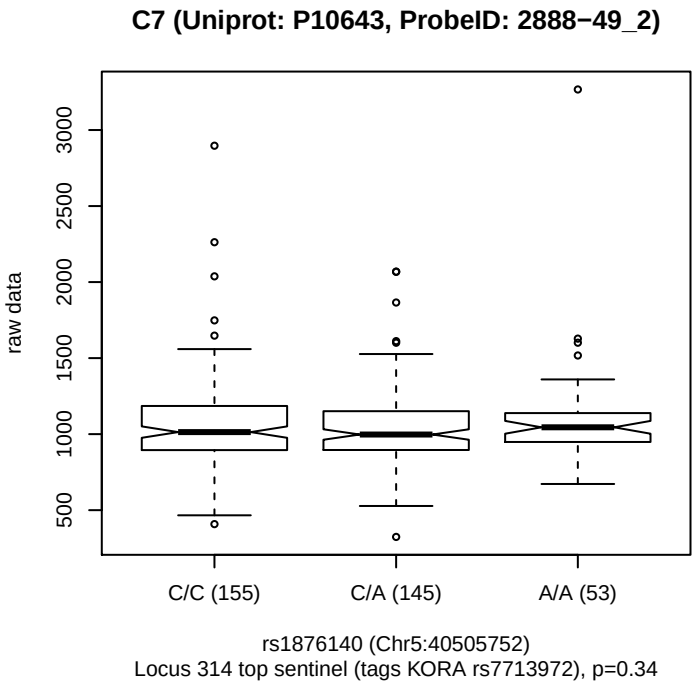

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
Frequency
0
50
100
150
6
8
10
12
log2−scaled data
Hepatocyte growth factor−like protein

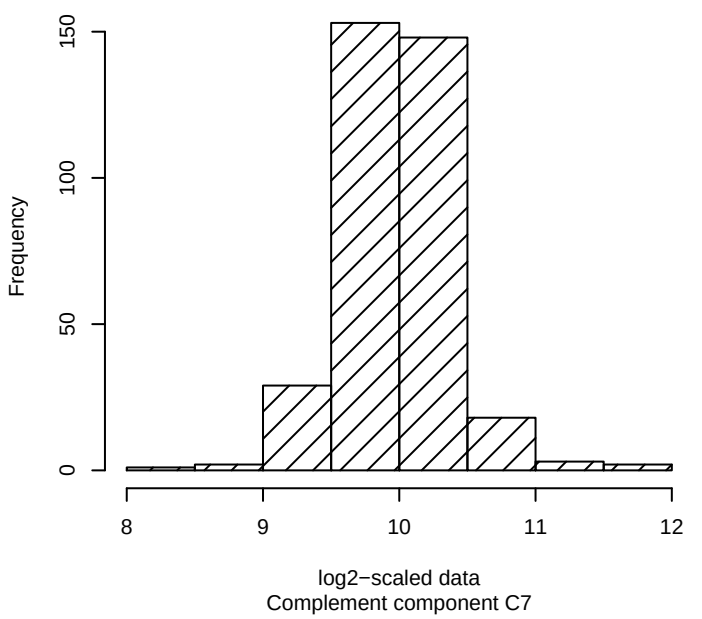

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
log2−scaled data
6
7
8
9
10
11
12
13
A/A (267)
A/C (71)
C/C (12)
rs2889854 (Chr3:48268509)
Locus 313 top sentinel (tags KORA rs6442112), p=0.094, FC=1.1315

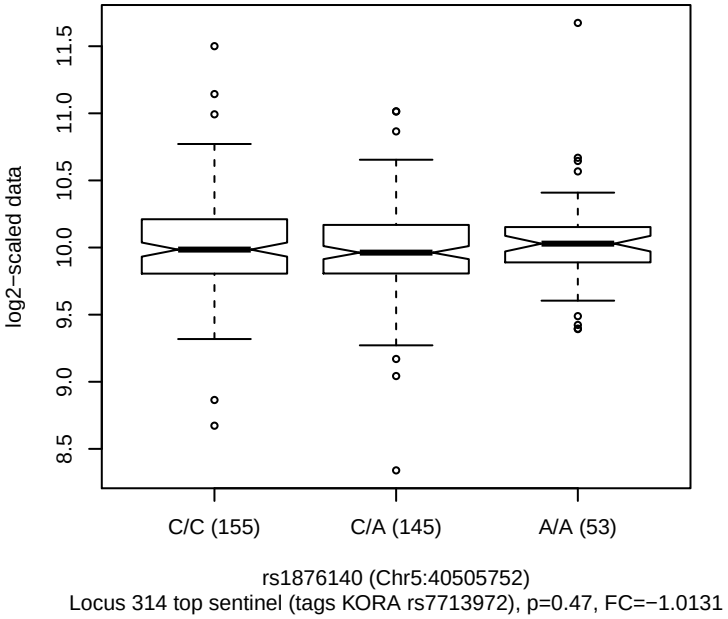

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Hepatocyte growth factor−like protein

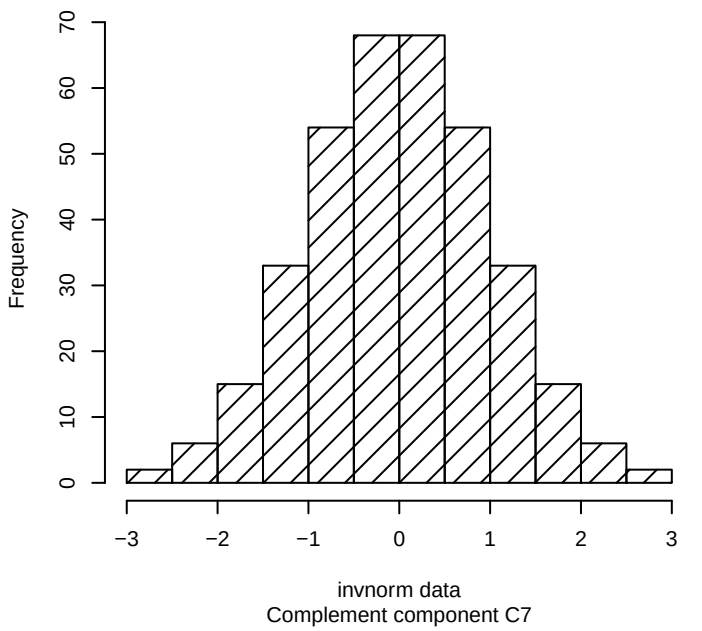

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
invnorm data
−2
−1
0
1
2
A/A (267)
A/C (71)
C/C (12)
rs2889854 (Chr3:48268509)
Locus 313 top sentinel (tags KORA rs6442112), p=0.052

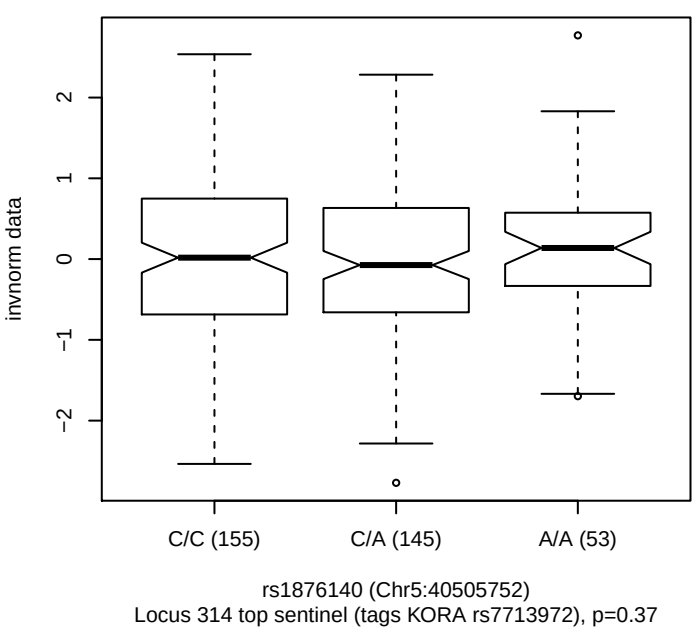

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
Frequency
0
50
100
150
0
500
1000
1500
2000
2500
3000
3500
raw data
Complement component C7


C7 (Uniprot: P10643, ProbeID: 2888−49_2)
raw data
500
1000
1500
2000
2500
3000
C/C (155)
C/A (145)
A/A (53)
rs1876140 (Chr5:40505752)
Locus 314 top sentinel (tags KORA rs7713972), p=0.34

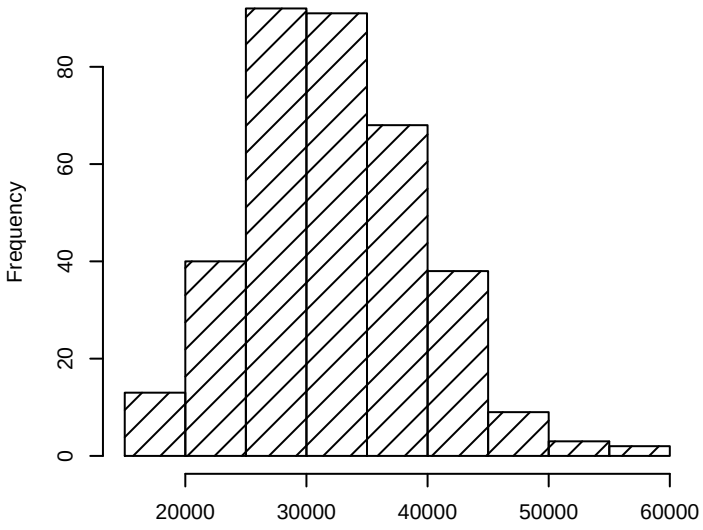

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
Frequency
0
50
100
150
8
9
10
11
12
log2−scaled data
Complement component C7


C7 (Uniprot: P10643, ProbeID: 2888−49_2)
log2−scaled data
8.5
9.0
9.5
10.0
10.5
11.0
11.5
C/C (155)
C/A (145)
A/A (53)
rs1876140 (Chr5:40505752)
Locus 314 top sentinel (tags KORA rs7713972), p=0.47, FC=−1.0131


C7 (Uniprot: P10643, ProbeID: 2888−49_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Complement component C7

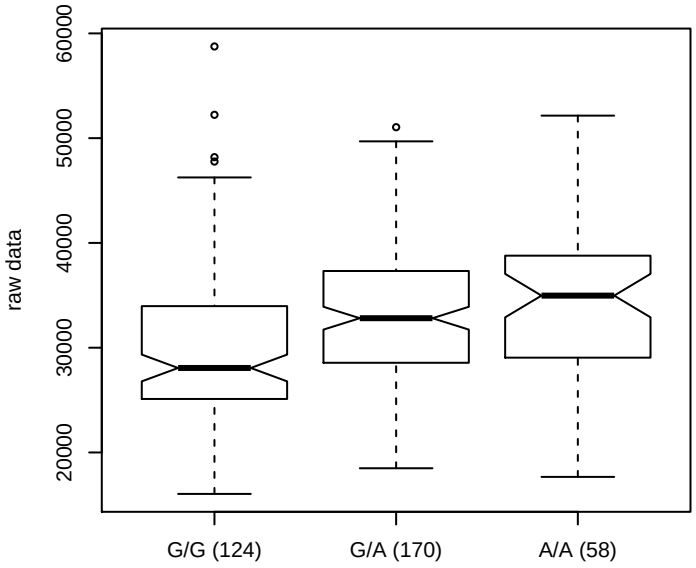

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
invnorm data
−2
−1
0
1
2
C/C (155)
C/A (145)
A/A (53)
rs1876140 (Chr5:40505752)
Locus 314 top sentinel (tags KORA rs7713972), p=0.37

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



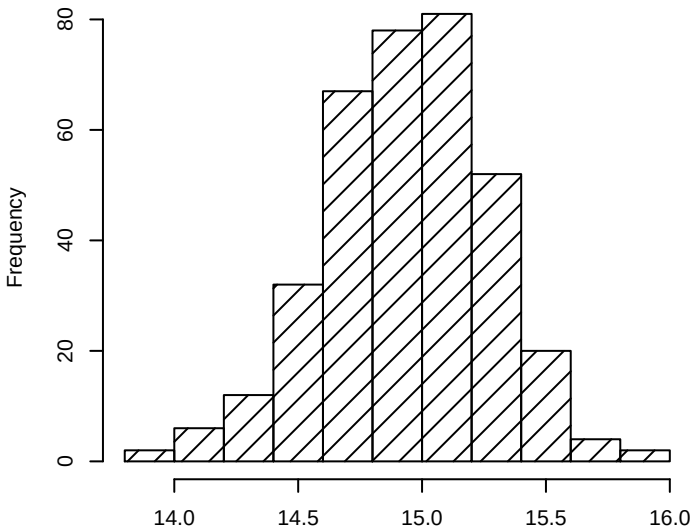
Cation−independent mannose−6−phosphate receptor

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



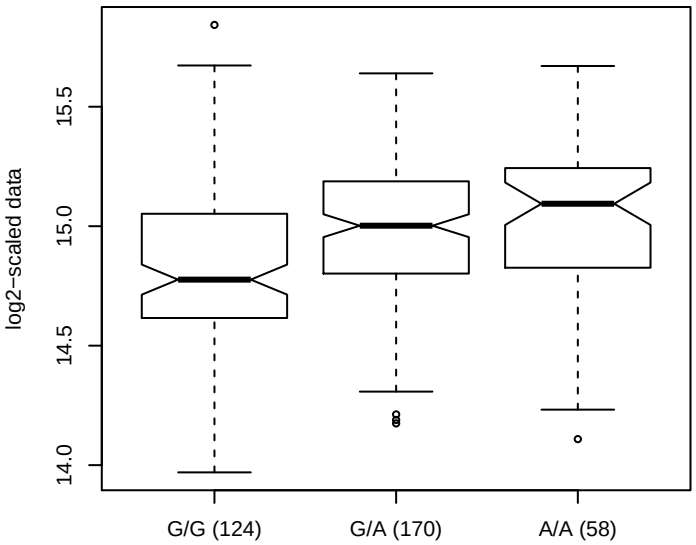
rs13212914 (Chr6:160570624)
Locus 315 top sentinel (tags KORA rs9295123), p=1.6e−05

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



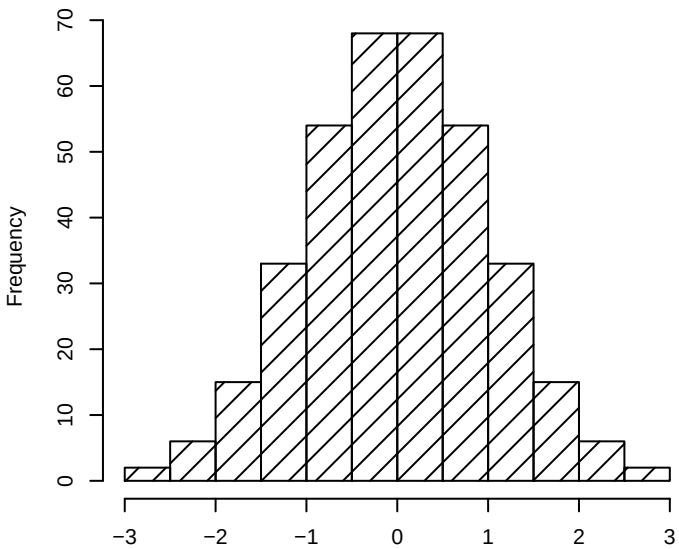
Cation−independent mannose−6−phosphate receptor

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



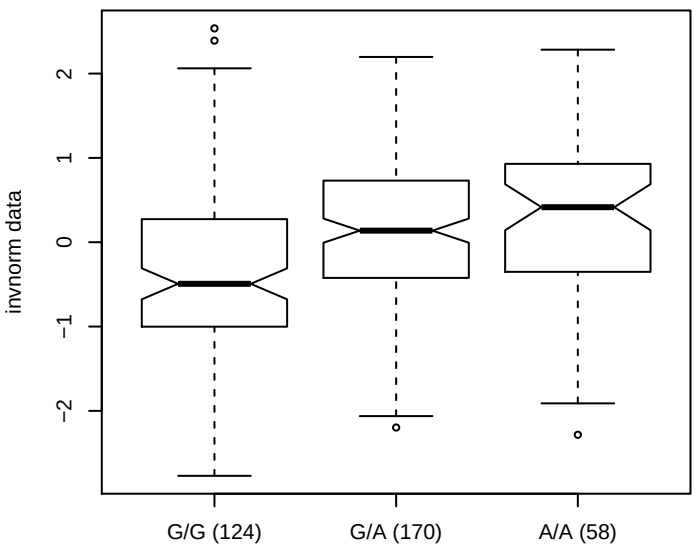
rs13212914 (Chr6:160570624)
Locus 315 top sentinel (tags KORA rs9295123), p=4.7e−06, FC=1.0745

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

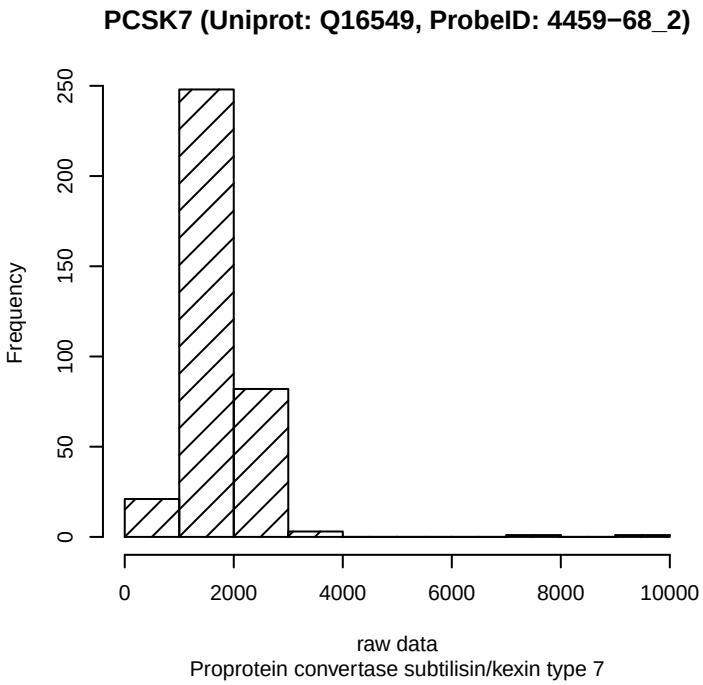


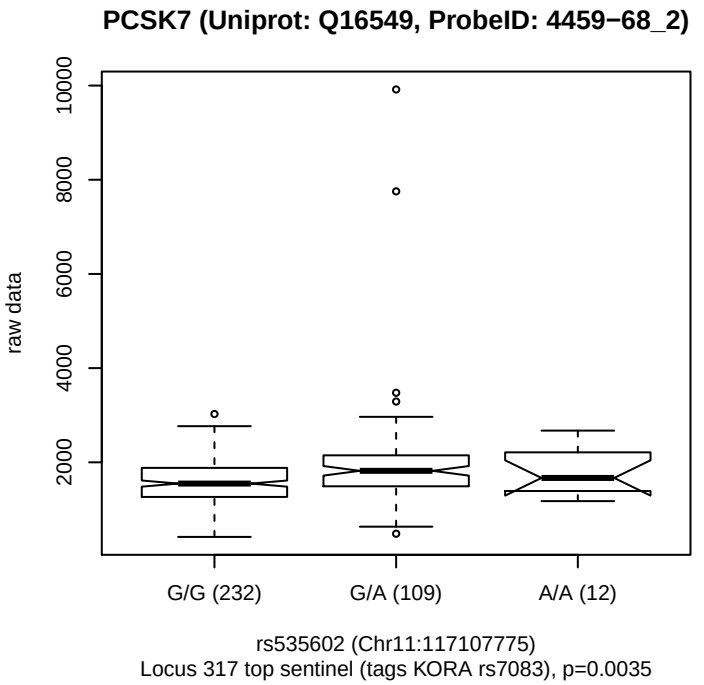
Cation−independent mannose−6−phosphate receptor

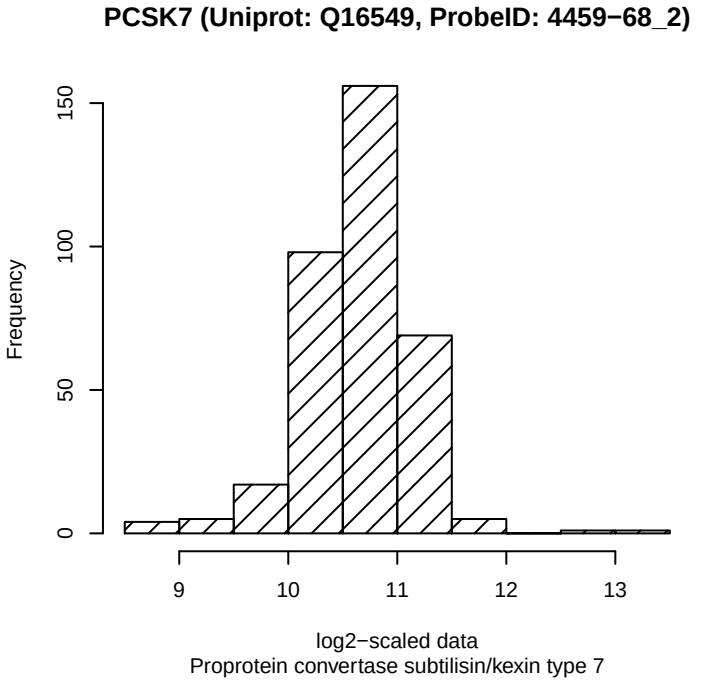
IGF−II receptor (Uniprot: P11717, ProbeID: 3676−15_3)

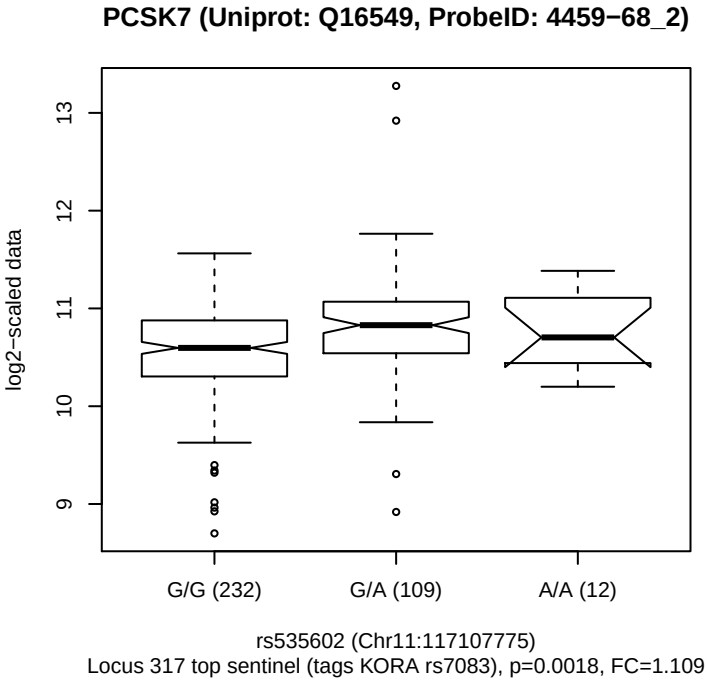


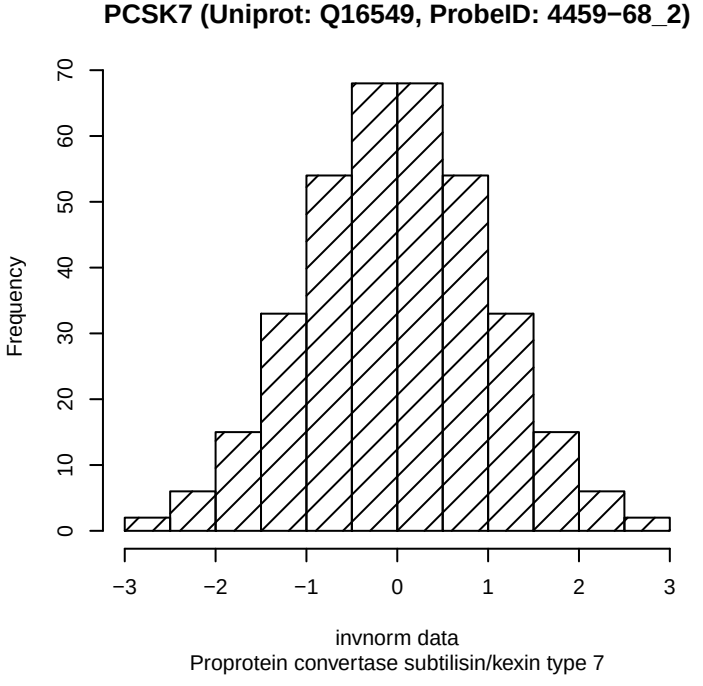
rs13212914 (Chr6:160570624)
Locus 315 top sentinel (tags KORA rs9295123), p=5.3e−06

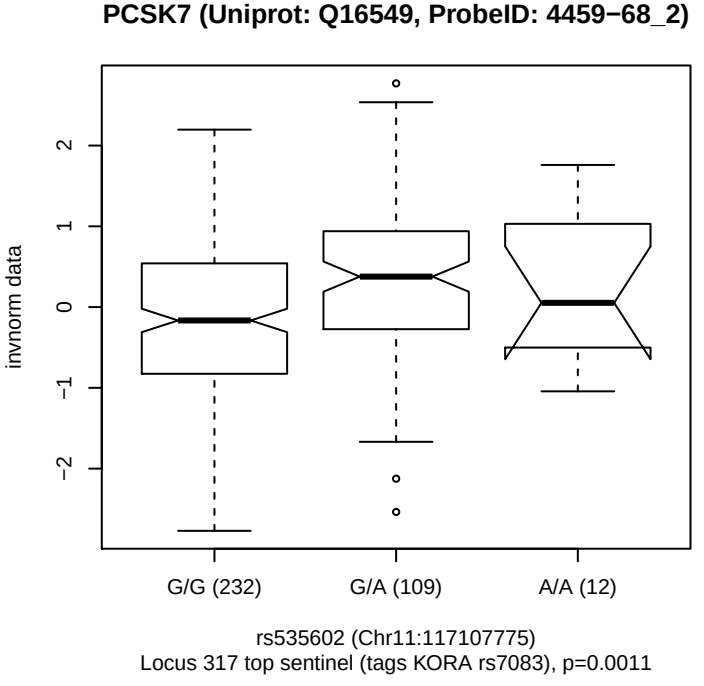

PCSK7 (Uniprot: Q16549, ProbeID: 4459−68_2)
Frequency
0
50
100
150
200
250
0
2000
4000
6000
8000
10000
raw data
Proprotein convertase subtilisin/kexin type 7

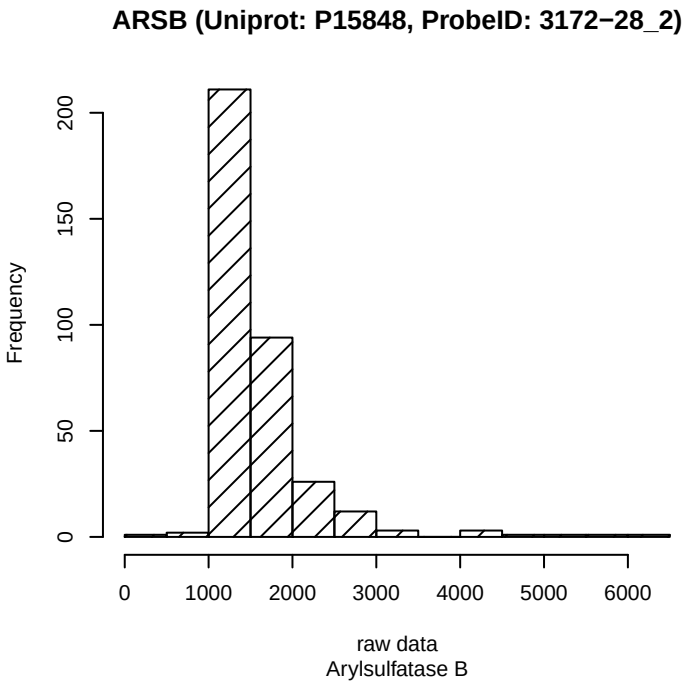

PCSK7 (Uniprot: Q16549, ProbeID: 4459−68_2)
raw data
2000
4000
6000
8000
10000
G/G (232)
G/A (109)
A/A (12)
rs535602 (Chr11:117107775)
Locus 317 top sentinel (tags KORA rs7083), p=0.0035

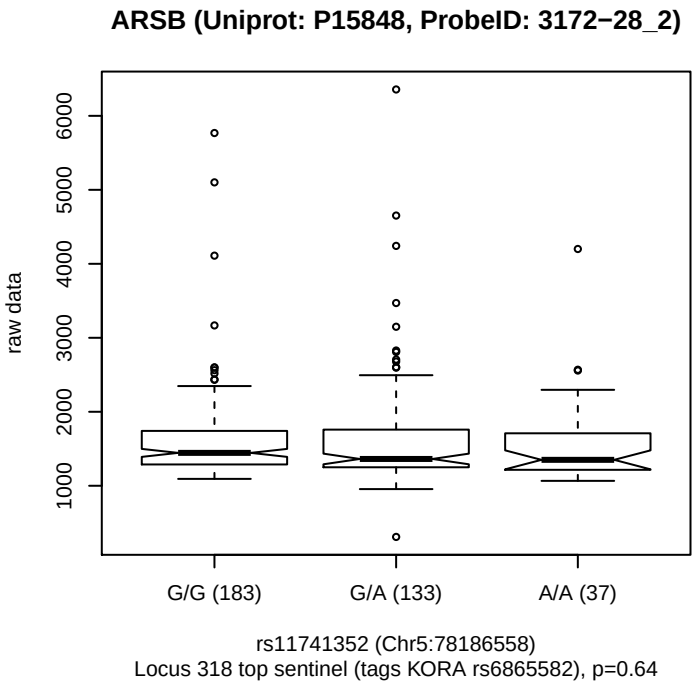

PCSK7 (Uniprot: Q16549, ProbeID: 4459−68_2)
Frequency
0
50
100
150
9
10
11
12
13
log2−scaled data
Proprotein convertase subtilisin/kexin type 7

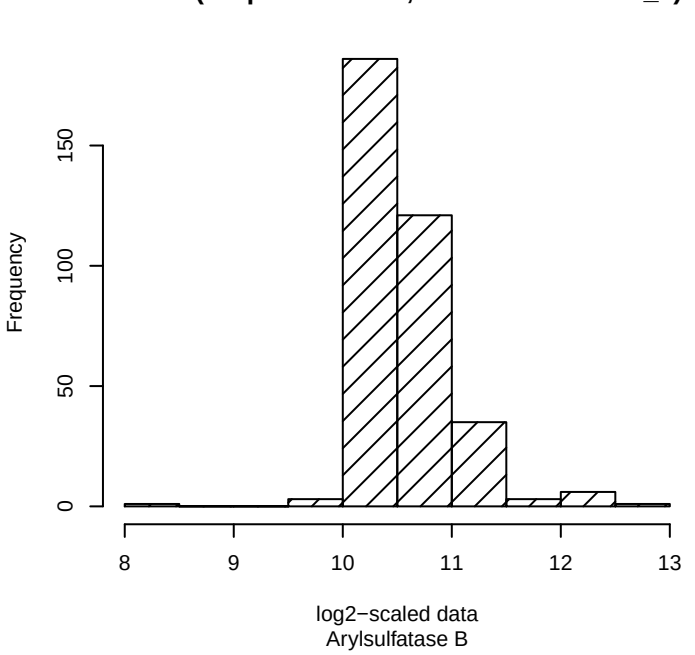

PCSK7 (Uniprot: Q16549, ProbeID: 4459−68_2)
log2−scaled data
9
10
11
12
13
G/G (232)
G/A (109)
A/A (12)
rs535602 (Chr11:117107775)
Locus 317 top sentinel (tags KORA rs7083), p=0.0018, FC=1.109

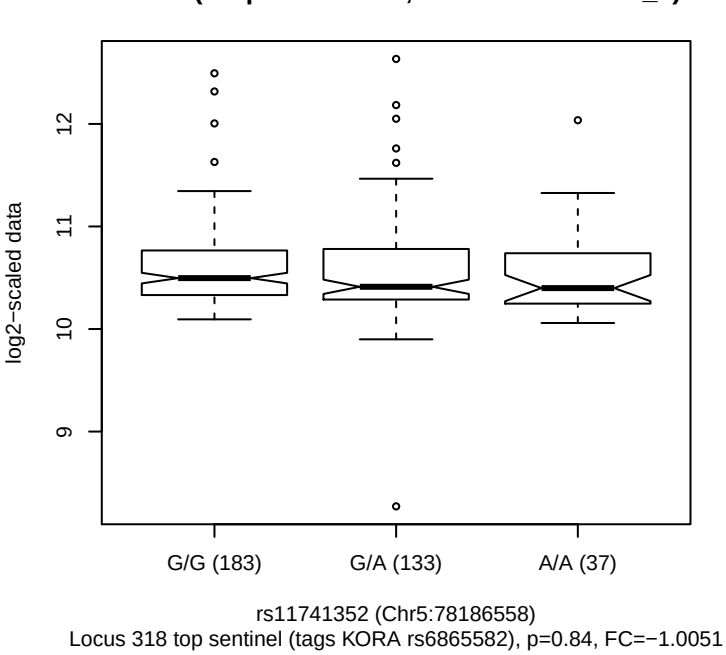

PCSK7 (Uniprot: Q16549, ProbeID: 4459−68_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Proprotein convertase subtilisin/kexin type 7

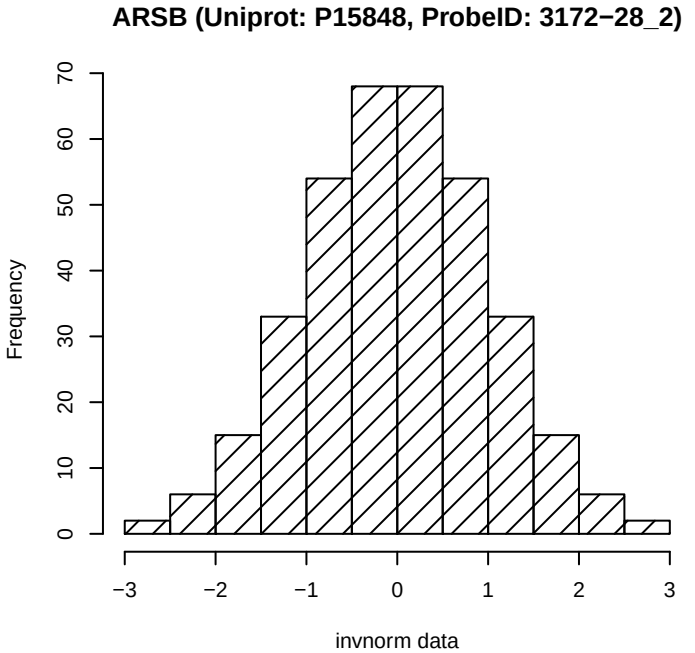

PCSK7 (Uniprot: Q16549, ProbeID: 4459−68_2)
invnorm data
−2
−1
0
1
2
G/G (232)
G/A (109)
A/A (12)
rs535602 (Chr11:117107775)
Locus 317 top sentinel (tags KORA rs7083), p=0.0011

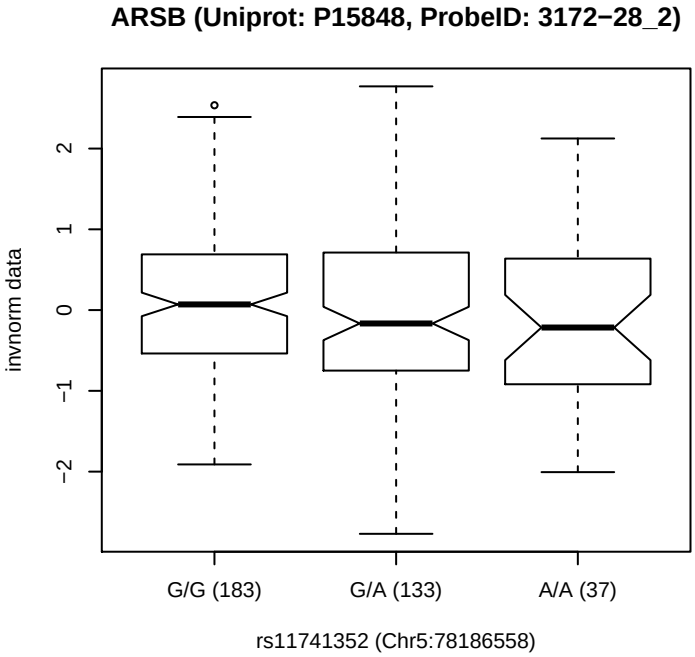

ARSB (Uniprot: P15848, ProbeID: 3172−28_2)
Frequency
0
50
100
150
200
0
1000
2000
3000
4000
5000
6000
raw data
Arylsulfatase B


ARSB (Uniprot: P15848, ProbeID: 3172−28_2)
raw data
1000
2000
3000
4000
5000
6000
G/G (183)
G/A (133)
A/A (37)
rs11741352 (Chr5:78186558)
Locus 318 top sentinel (tags KORA rs6865582), p=0.64

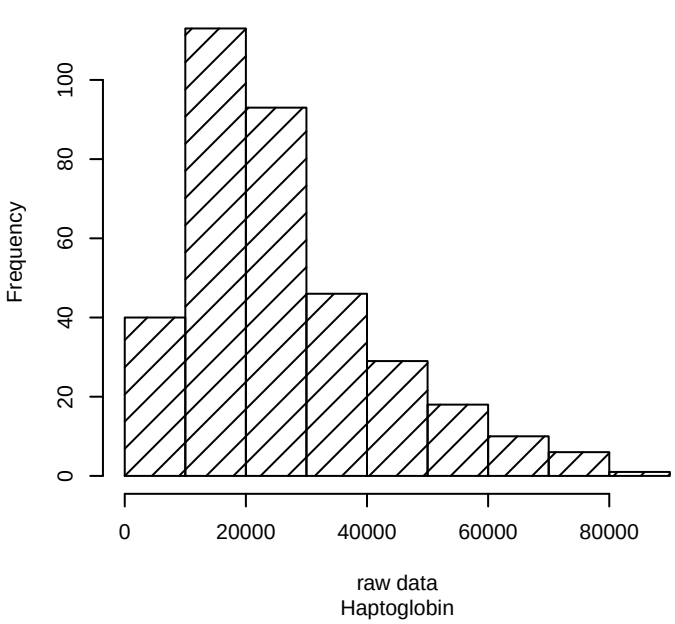

ARSB (Uniprot: P15848, ProbeID: 3172−28_2)
Frequency
0
50
100
150
8
9
10
11
12
13
log2−scaled data
Arylsulfatase B


ARSB (Uniprot: P15848, ProbeID: 3172−28_2)
log2−scaled data
9
10
11
12
G/G (183)
G/A (133)
A/A (37)
rs11741352 (Chr5:78186558)
Locus 318 top sentinel (tags KORA rs6865582), p=0.84, FC=−1.0051

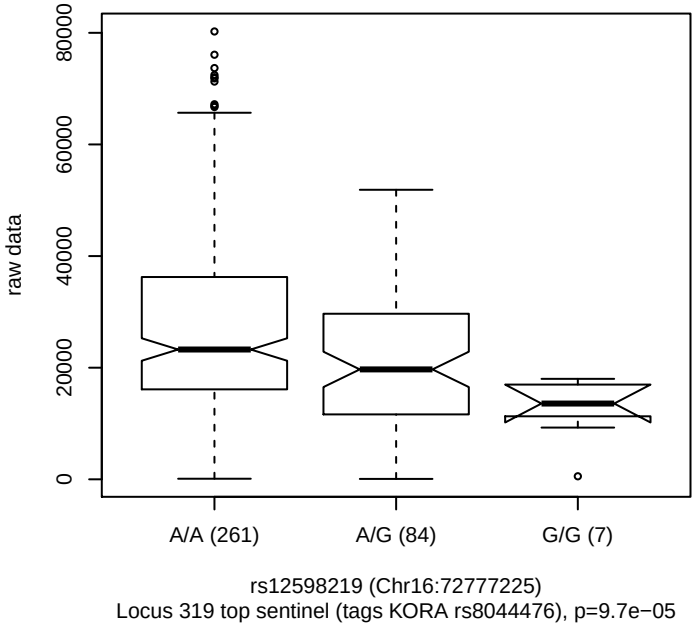

ARSB (Uniprot: P15848, ProbeID: 3172−28_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Arylsulfatase B


ARSB (Uniprot: P15848, ProbeID: 3172−28_2)
invnorm data
−2
−1
0
1
2
G/G (183)
G/A (133)
A/A (37)
rs11741352 (Chr5:78186558)
Locus 318 top sentinel (tags KORA rs6865582), p=0.35

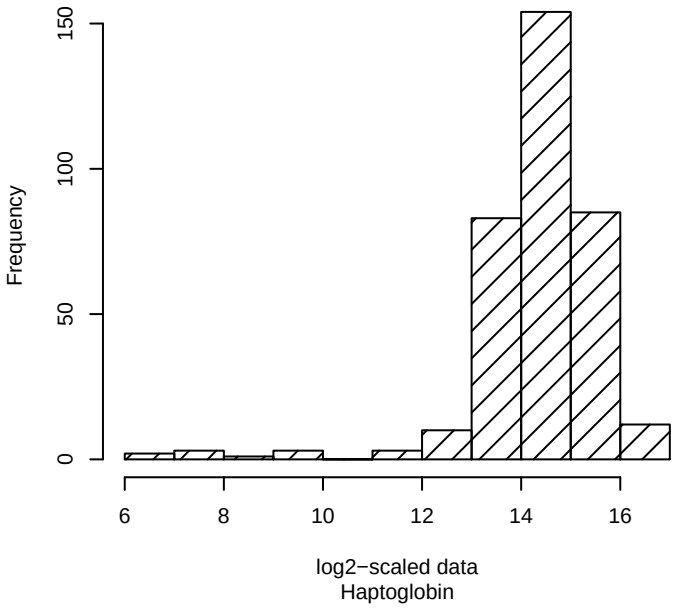
Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1



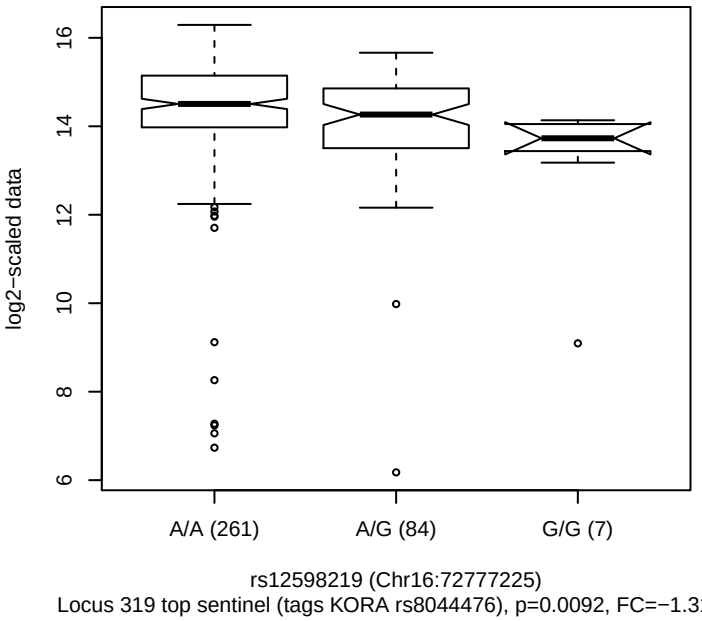
Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1



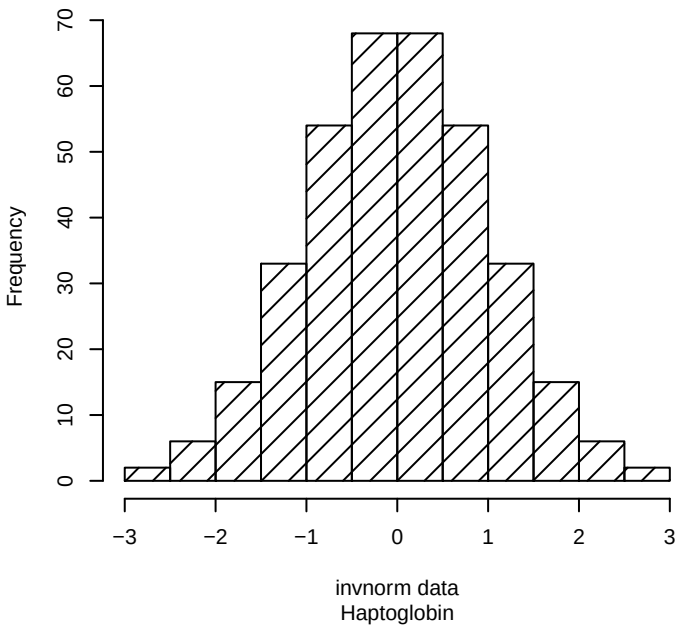
Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1



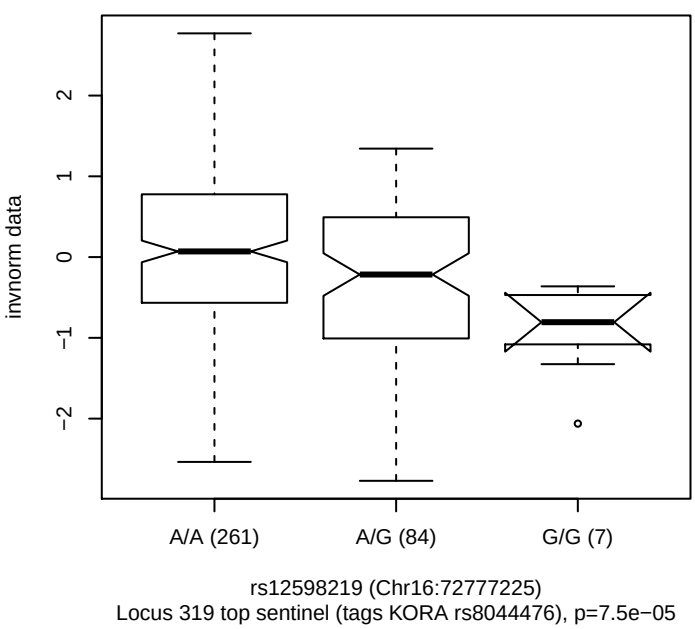
Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1

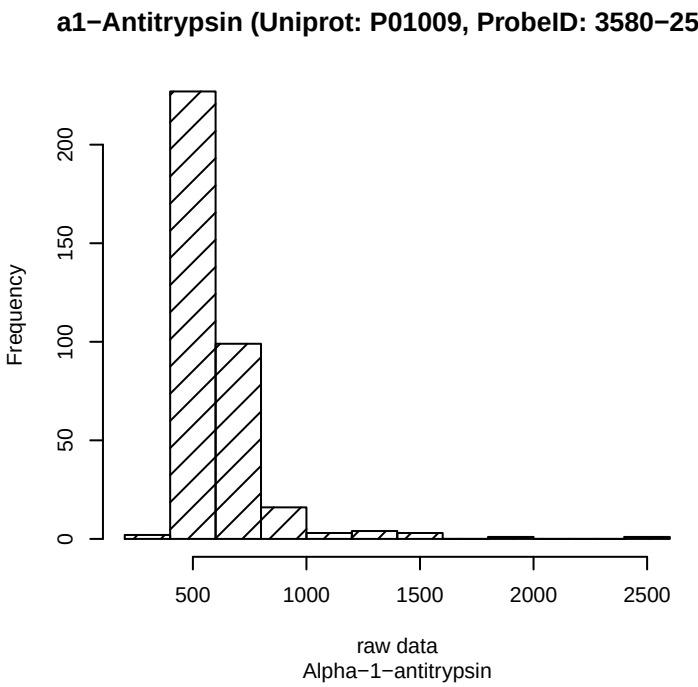


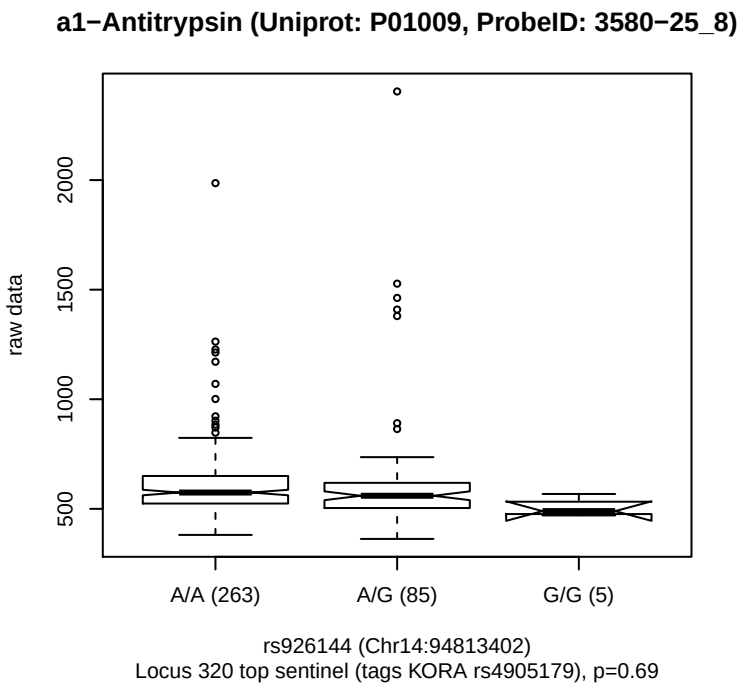
Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1

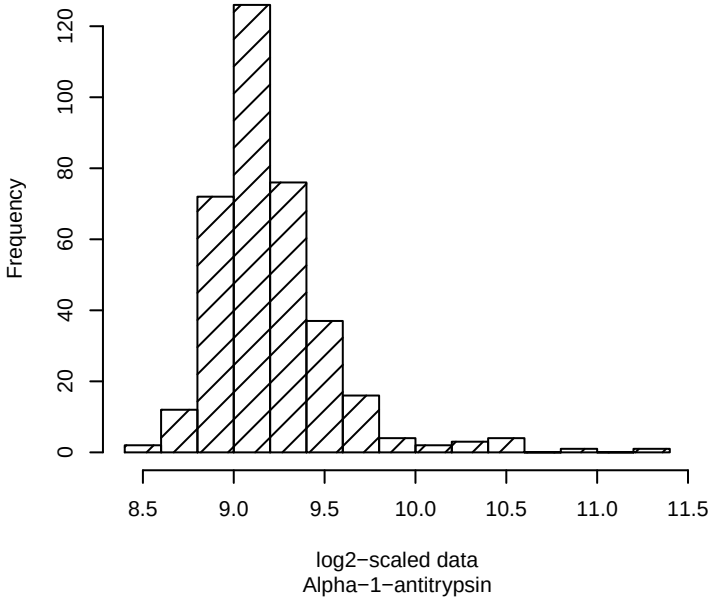


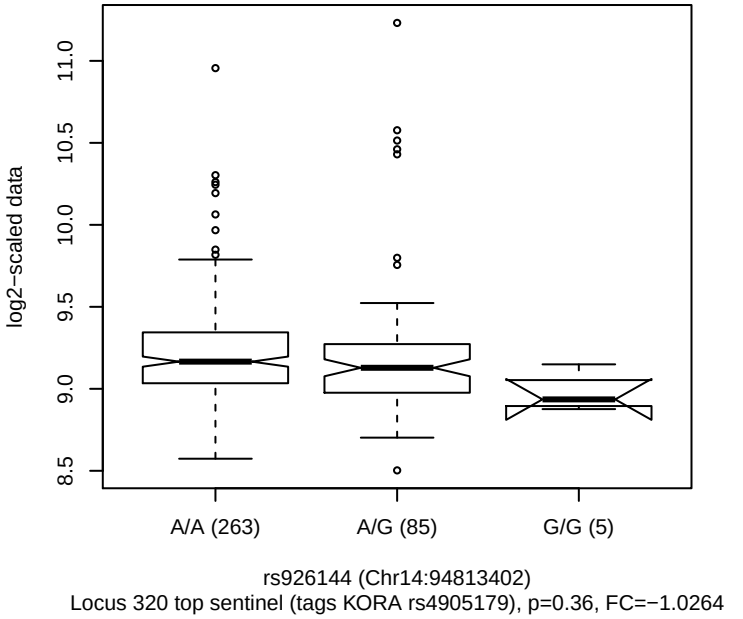
Haptoglobin, Mixed Type (Uniprot: P00738, ProbeID: 3054−1

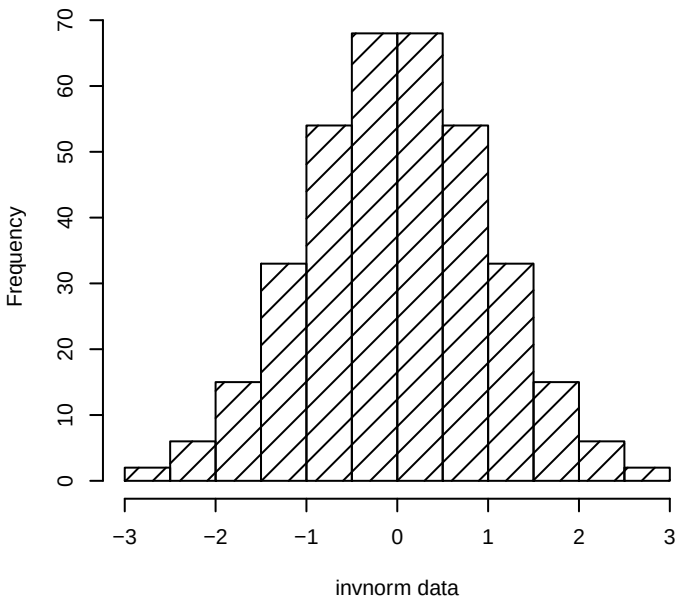


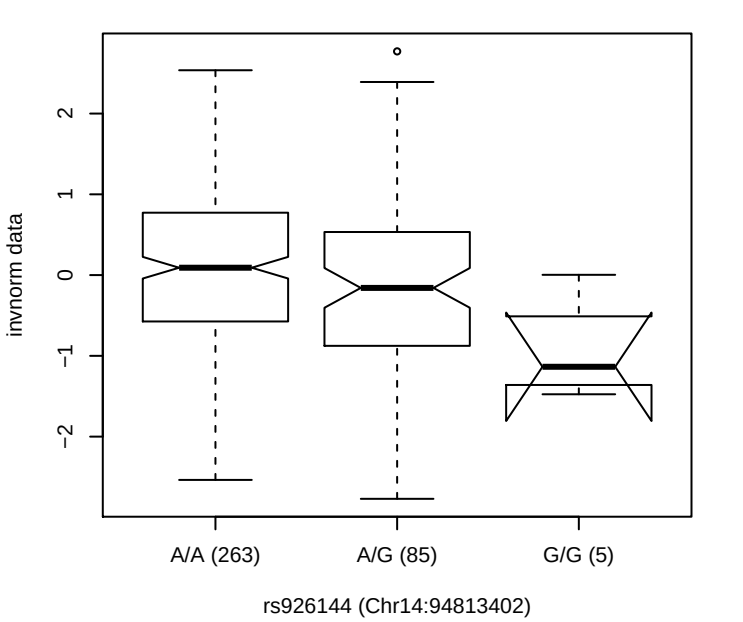

a1−Antitrypsin (Uniprot: P01009, ProbeID: 3580−25_8)
Frequency
0
50
100
150
200
500
1000
1500
2000
2500
raw data
Alpha−1−antitrypsin

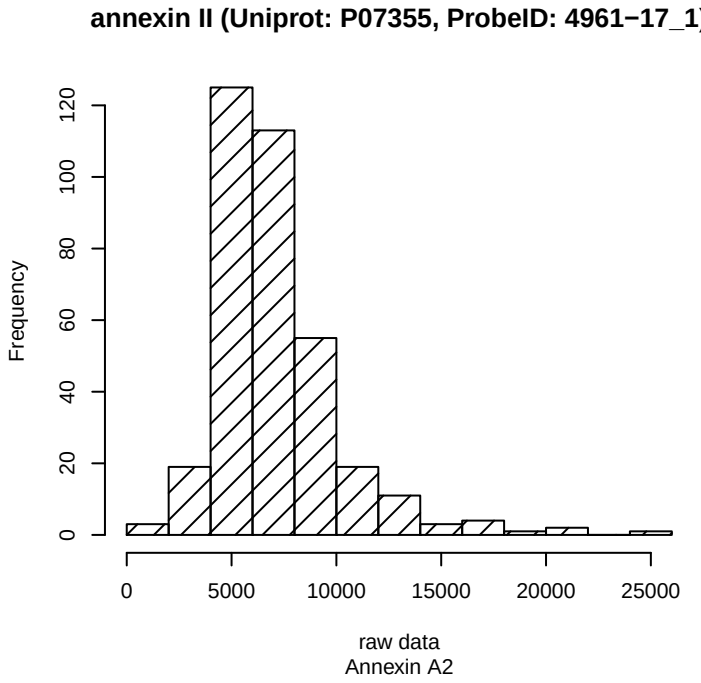

a1−Antitrypsin (Uniprot: P01009, ProbeID: 3580−25_8)
raw data
500
1000
1500
2000
A/A (263)
A/G (85)
G/G (5)
rs926144 (Chr14:94813402)
Locus 320 top sentinel (tags KORA rs4905179), p=0.69

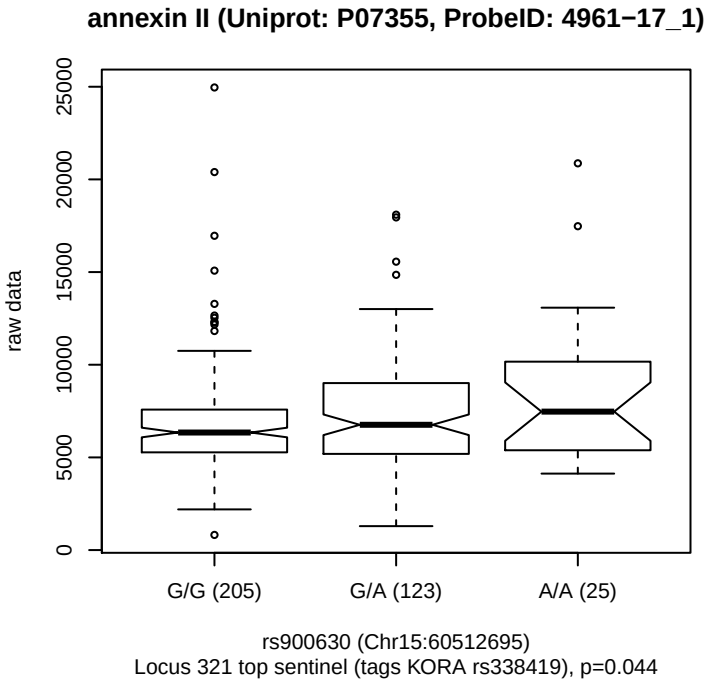

a1−Antitrypsin (Uniprot: P01009, ProbeID: 3580−25_8)
Frequency
0
20
40
60
80
100
120
8.5
9.0
9.5
10.0
10.5
11.0
11.5
log2−scaled data
Alpha−1−antitrypsin

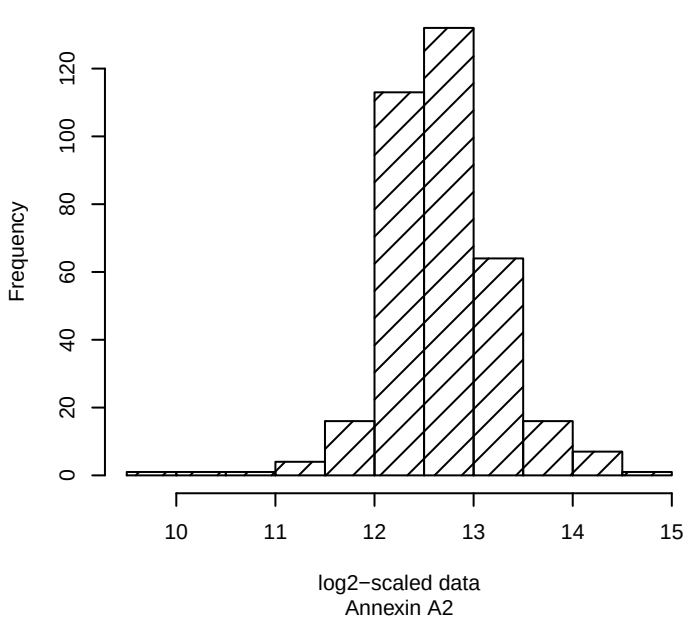

a1−Antitrypsin (Uniprot: P01009, ProbeID: 3580−25_8)
log2−scaled data
8.5
9.0
9.5
10.0
10.5
11.0
A/A (263)
A/G (85)
G/G (5)
rs926144 (Chr14:94813402)
Locus 320 top sentinel (tags KORA rs4905179), p=0.36, FC=−1.0264

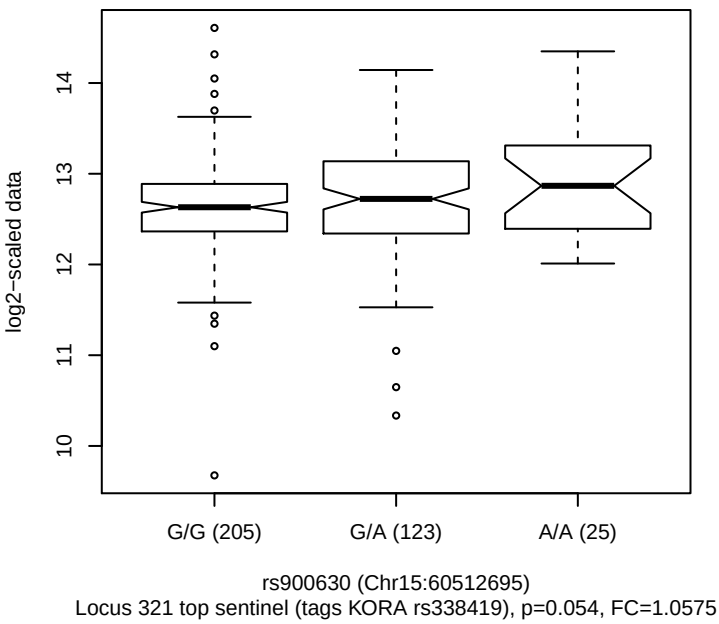

a1−Antitrypsin (Uniprot: P01009, ProbeID: 3580−25_8)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Alpha−1−antitrypsin

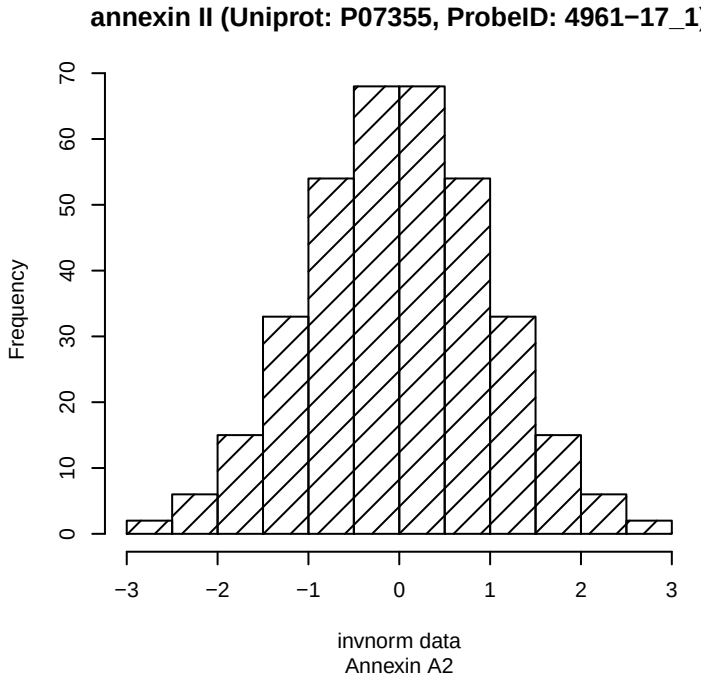

a1−Antitrypsin (Uniprot: P01009, ProbeID: 3580−25_8)
invnorm data
−2
−1
0
1
2
A/A (263)
A/G (85)
G/G (5)
rs926144 (Chr14:94813402)
Locus 320 top sentinel (tags KORA rs4905179), p=0.089

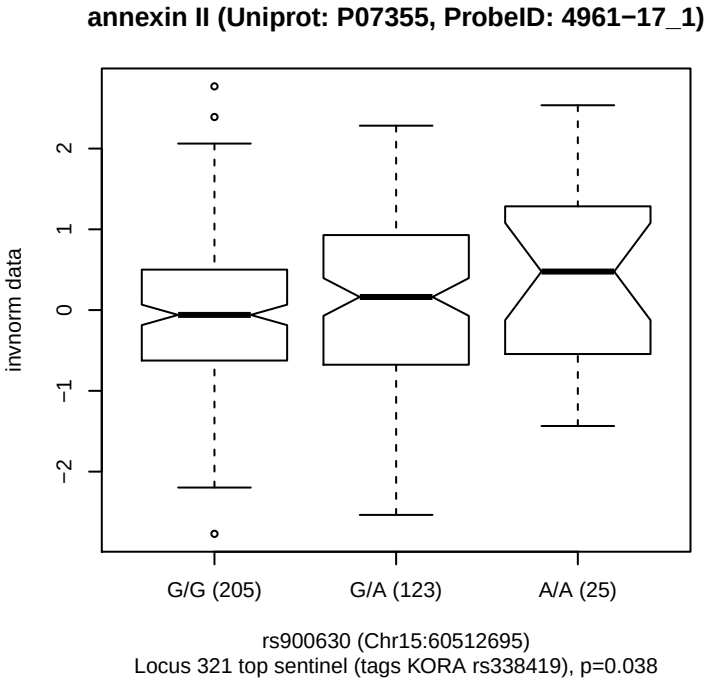

annexin II (Uniprot: P07355, ProbeID: 4961−17_1)
Frequency
0
20
40
60
80
100
120
0
5000
10000
15000
20000
25000
raw data
Annexin A2


annexin II (Uniprot: P07355, ProbeID: 4961−17_1)
raw data
0
5000
10000
15000
20000
25000
G/G (205)
G/A (123)
A/A (25)
rs900630 (Chr15:60512695)
Locus 321 top sentinel (tags KORA rs338419), p=0.044

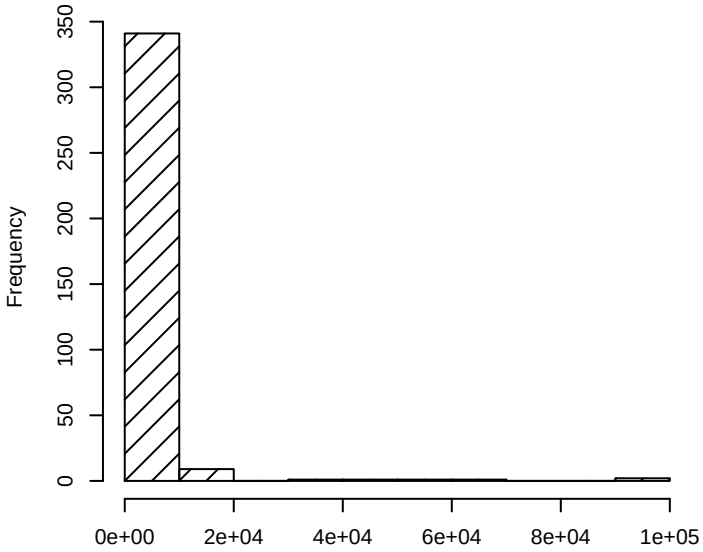

annexin II (Uniprot: P07355, ProbeID: 4961−17_1)
Frequency
0
20
40
60
80
100
120
10
11
12
13
14
15
log2−scaled data
Annexin A2


annexin II (Uniprot: P07355, ProbeID: 4961−17_1)
log2−scaled data
10
11
12
13
14
G/G (205)
G/A (123)
A/A (25)
rs900630 (Chr15:60512695)
Locus 321 top sentinel (tags KORA rs338419), p=0.054, FC=1.0575

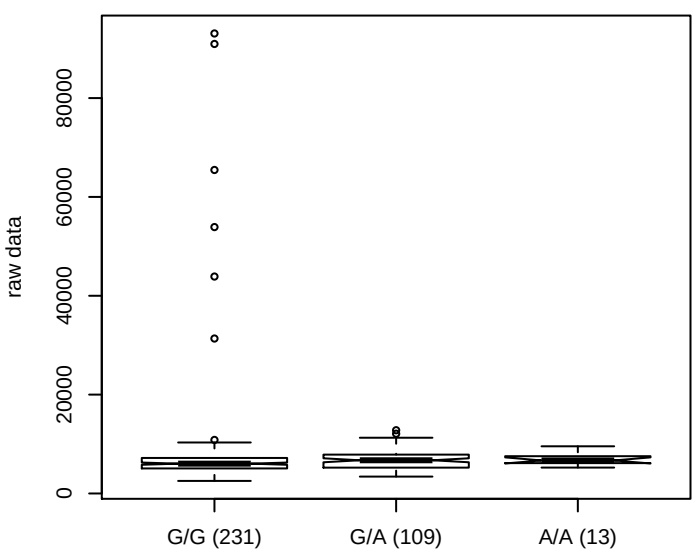

annexin II (Uniprot: P07355, ProbeID: 4961−17_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Annexin A2


annexin II (Uniprot: P07355, ProbeID: 4961−17_1)
invnorm data
−2
−1
0
1
2
G/G (205)
G/A (123)
A/A (25)
rs900630 (Chr15:60512695)
Locus 321 top sentinel (tags KORA rs338419), p=0.038

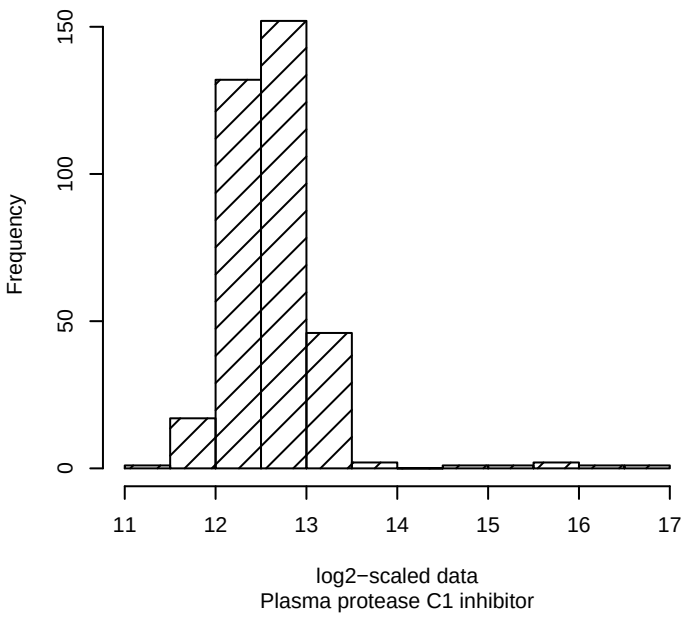
C1−Esterase Inhibitor (Uniprot: P05155, ProbeID: 4479−14



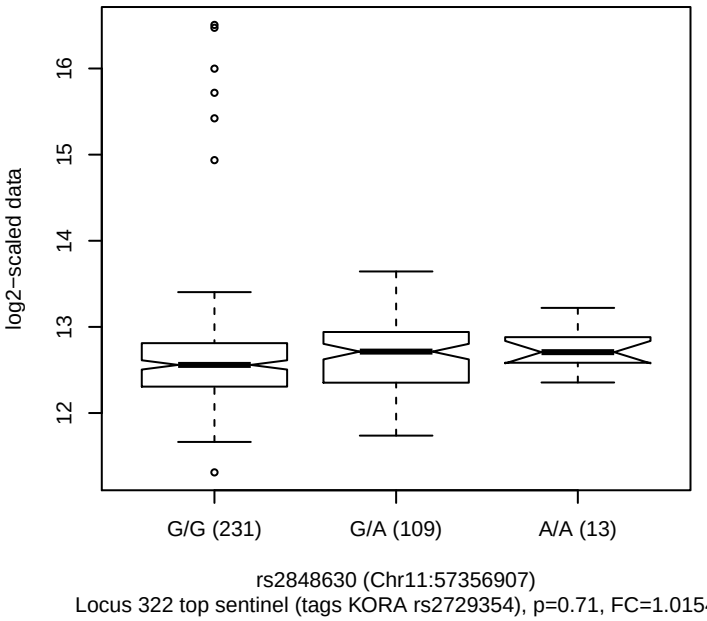
C1−Esterase Inhibitor (Uniprot: P05155, ProbeID: 4479−14



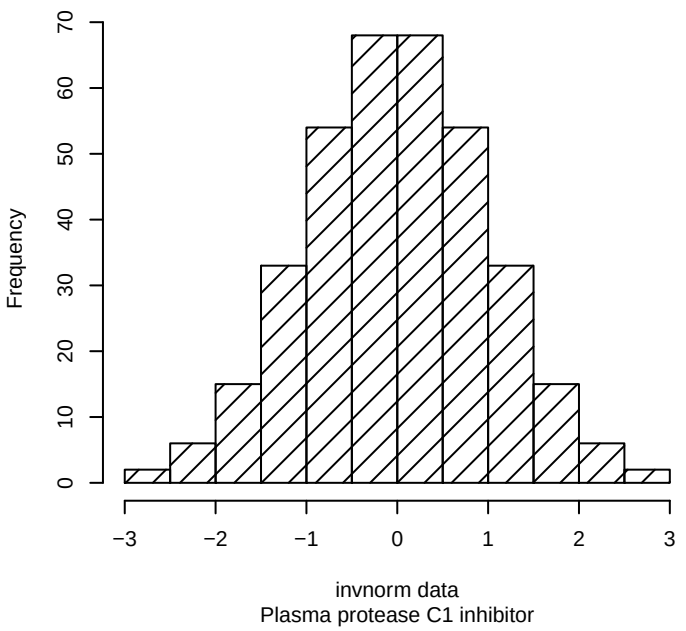
C1−Esterase Inhibitor (Uniprot: P05155, ProbeID: 4479−14



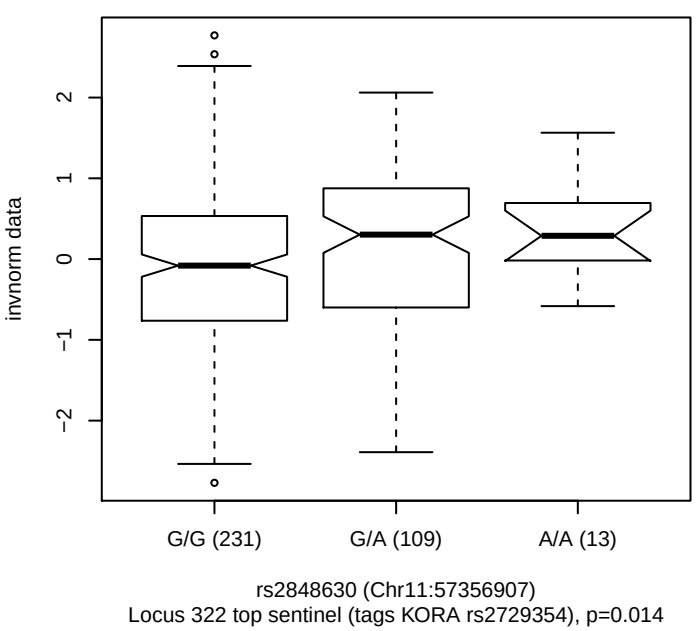
C1−Esterase Inhibitor (Uniprot: P05155, ProbeID: 4479−14

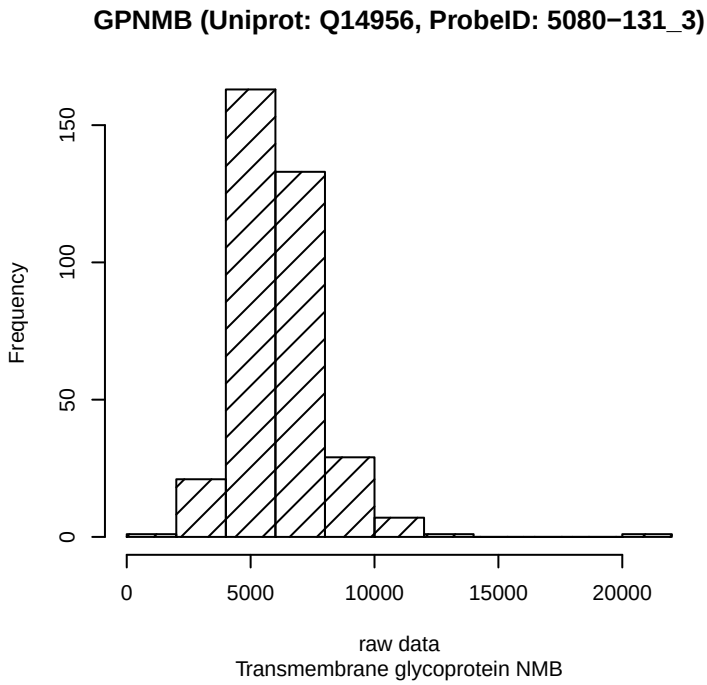


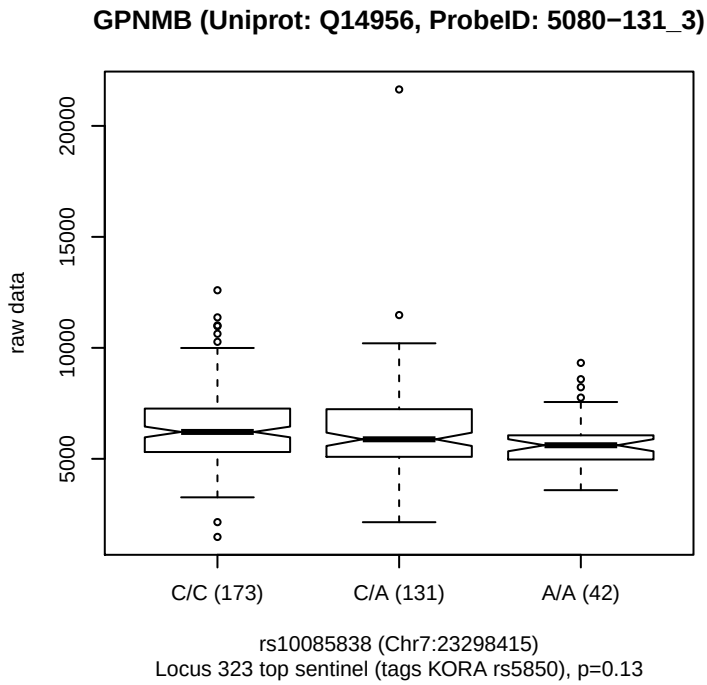
C1−Esterase Inhibitor (Uniprot: P05155, ProbeID: 4479−14

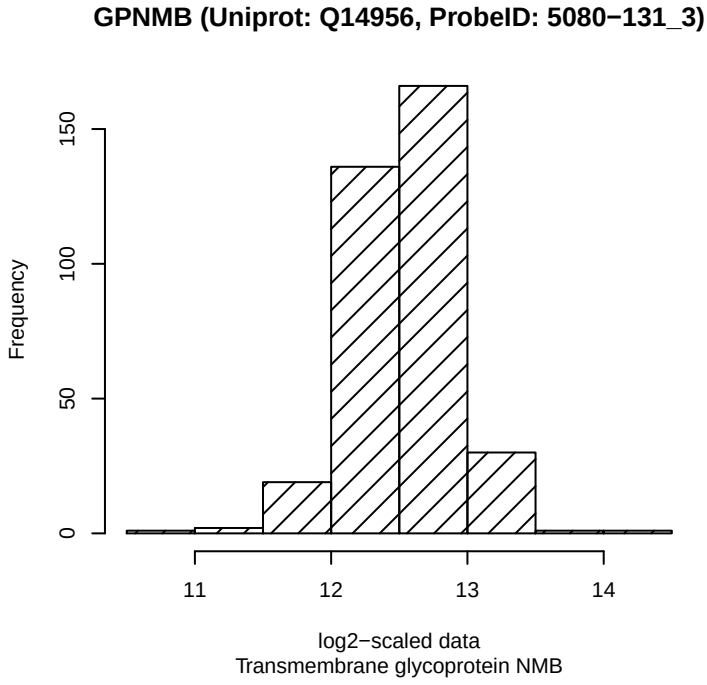


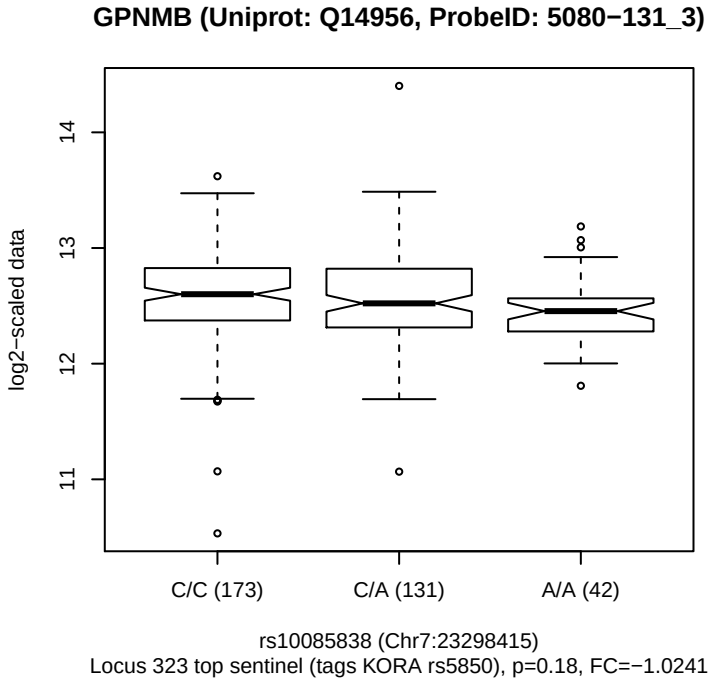
C1−Esterase Inhibitor (Uniprot: P05155, ProbeID: 4479−14

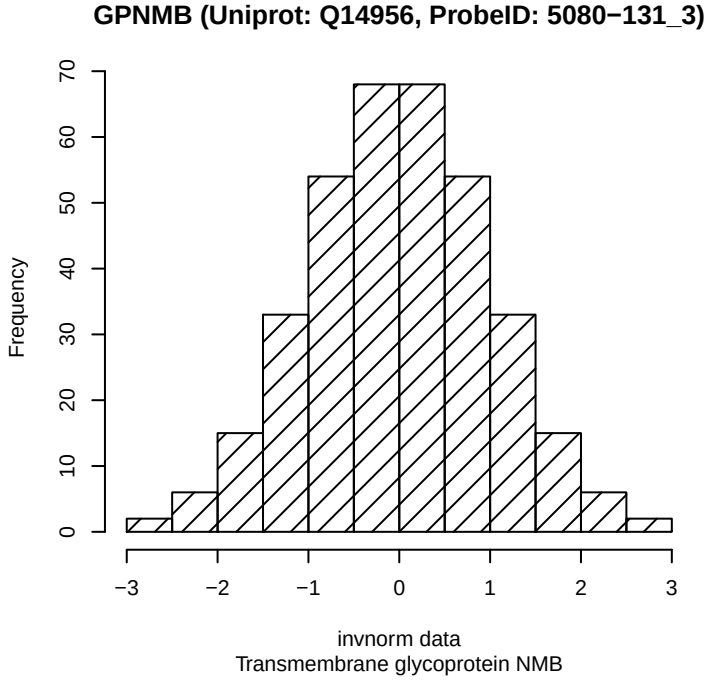


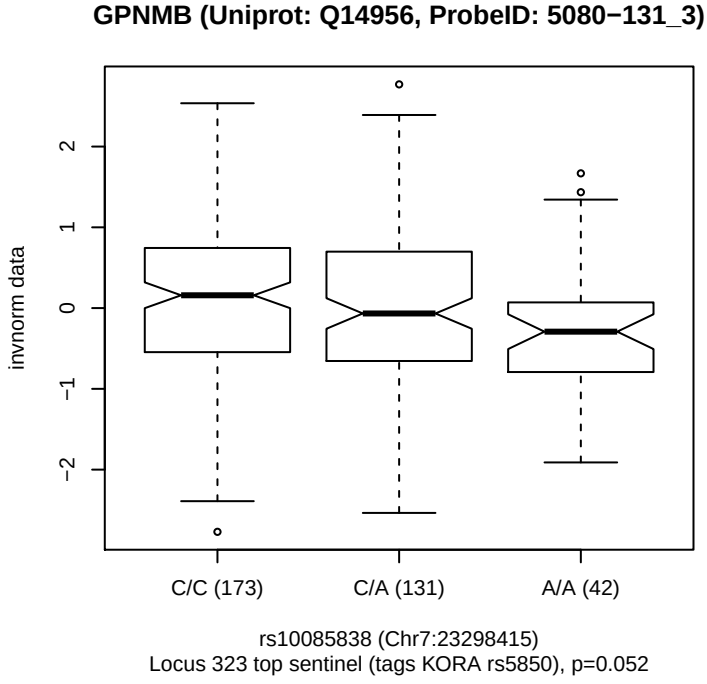

GPNMB (Uniprot: Q14956, ProbeID: 5080−131_3)
Frequency
0
50
100
150
0
5000
10000
15000
20000
raw data
Transmembrane glycoprotein NMB

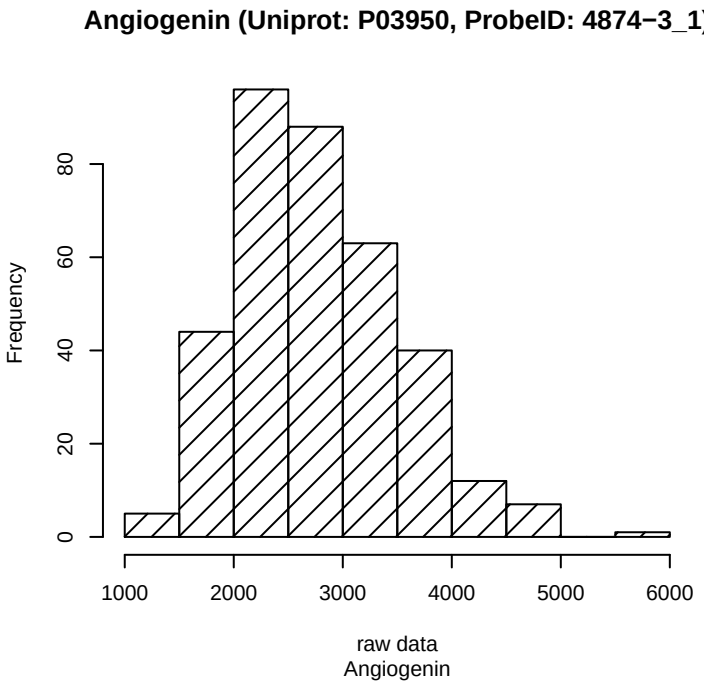

GPNMB (Uniprot: Q14956, ProbeID: 5080−131_3)
raw data
5000
10000
15000
20000
C/C (173)
C/A (131)
A/A (42)
rs10085838 (Chr7:23298415)
Locus 323 top sentinel (tags KORA rs5850), p=0.13

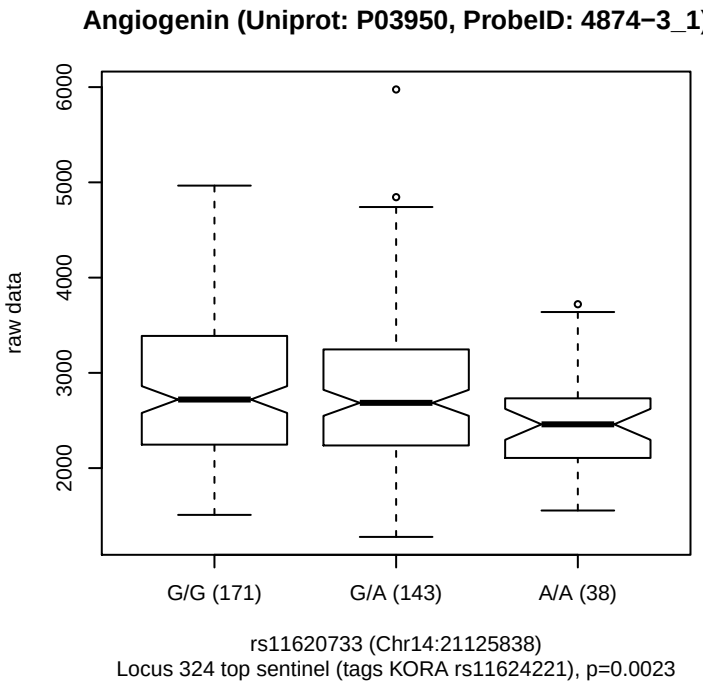

GPNMB (Uniprot: Q14956, ProbeID: 5080−131_3)
Frequency
0
50
100
150
11
12
13
14
log2−scaled data
Transmembrane glycoprotein NMB

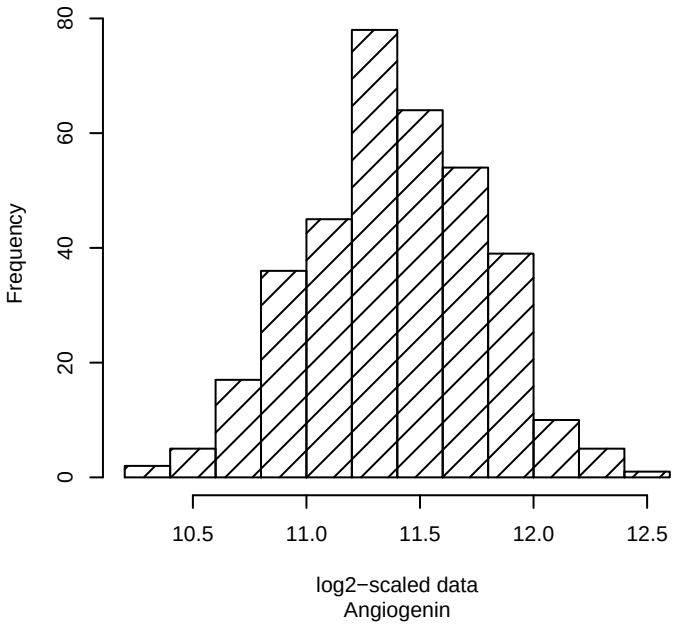

GPNMB (Uniprot: Q14956, ProbeID: 5080−131_3)
log2−scaled data
11
12
13
14
C/C (173)
C/A (131)
A/A (42)
rs10085838 (Chr7:23298415)
Locus 323 top sentinel (tags KORA rs5850), p=0.18, FC=−1.0241

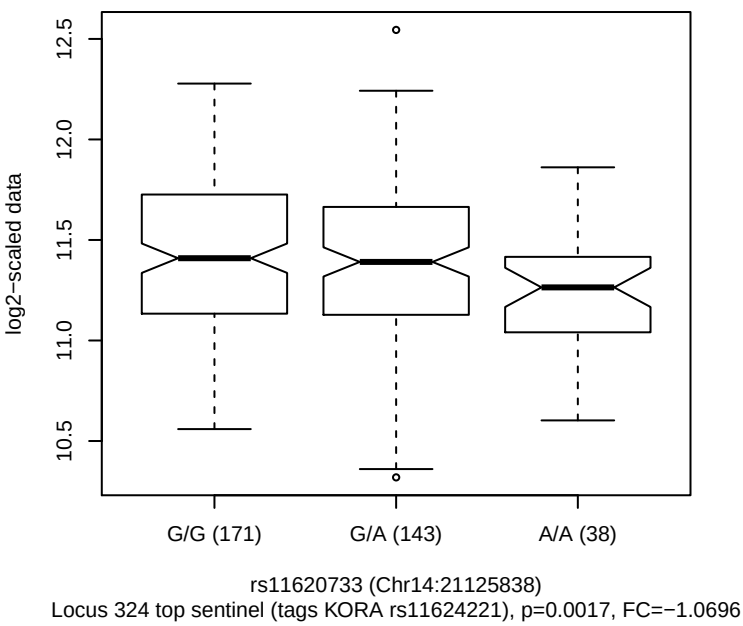

GPNMB (Uniprot: Q14956, ProbeID: 5080−131_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Transmembrane glycoprotein NMB

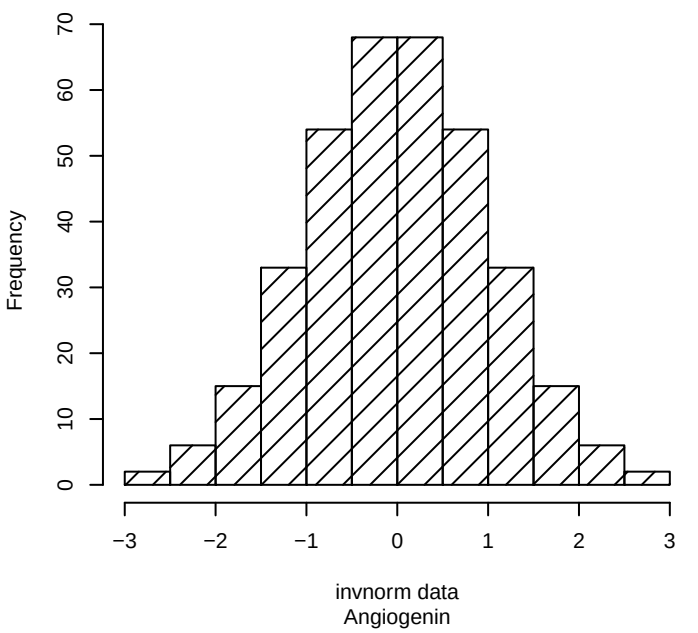

GPNMB (Uniprot: Q14956, ProbeID: 5080−131_3)
invnorm data
−2
−1
0
1
2
C/C (173)
C/A (131)
A/A (42)
rs10085838 (Chr7:23298415)
Locus 323 top sentinel (tags KORA rs5850), p=0.052

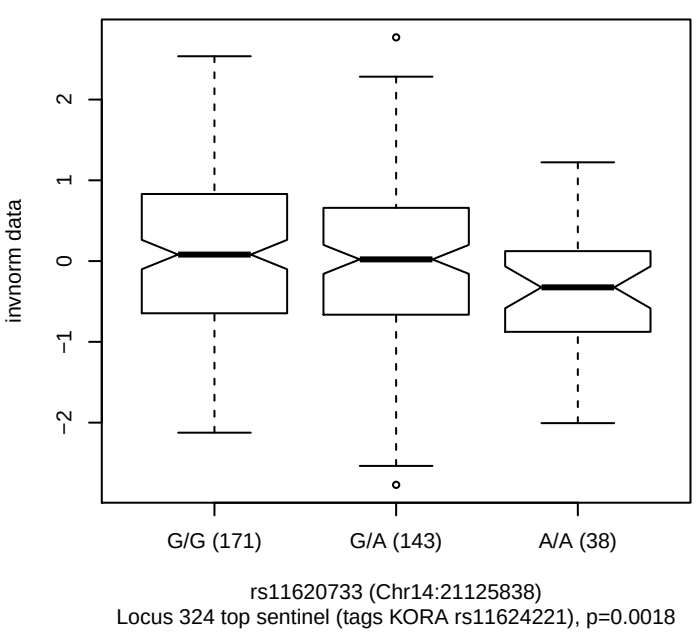

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
Frequency
0
20
40
60
80
1000
2000
3000
4000
5000
6000
raw data
Angiogenin

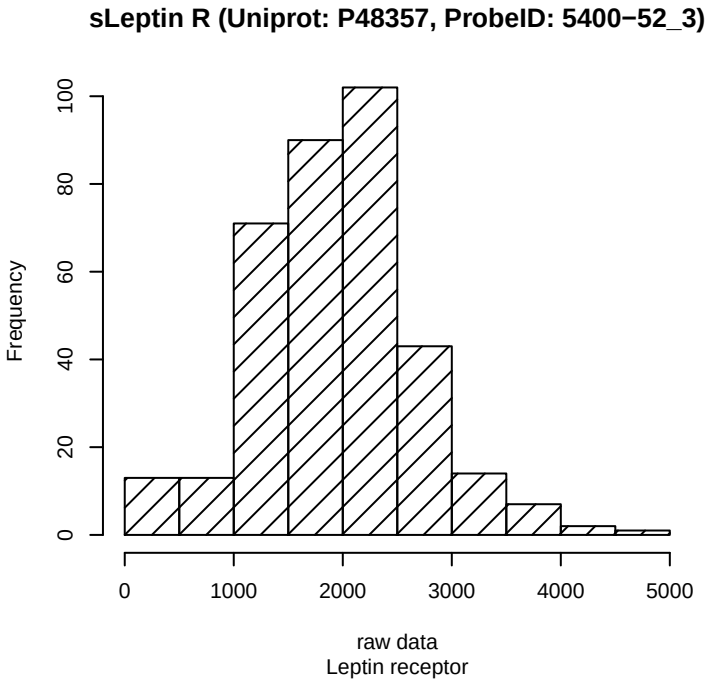

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
raw data
2000
3000
4000
5000
6000
G/G (171)
G/A (143)
A/A (38)
rs11620733 (Chr14:21125838)
Locus 324 top sentinel (tags KORA rs11624221), p=0.0023

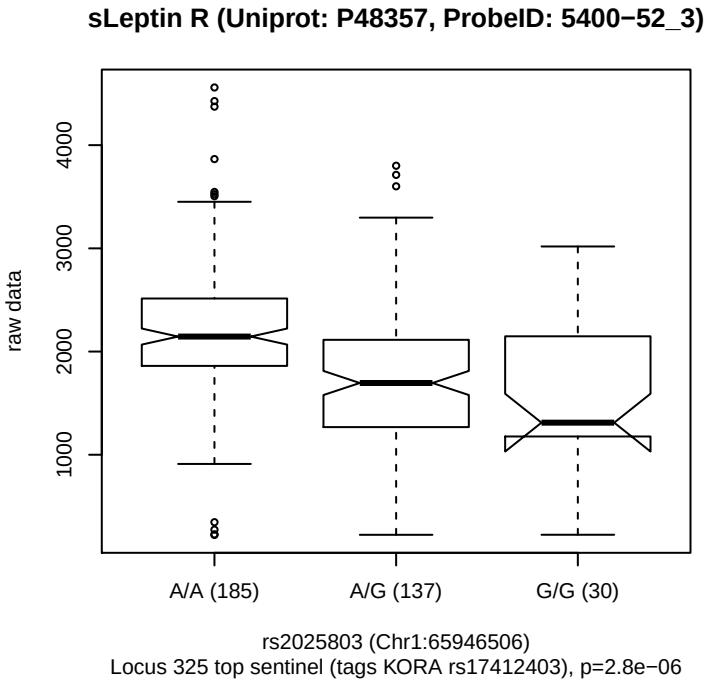

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
Frequency
0
20
40
60
80
10.5
11.0
11.5
12.0
12.5
log2−scaled data
Angiogenin

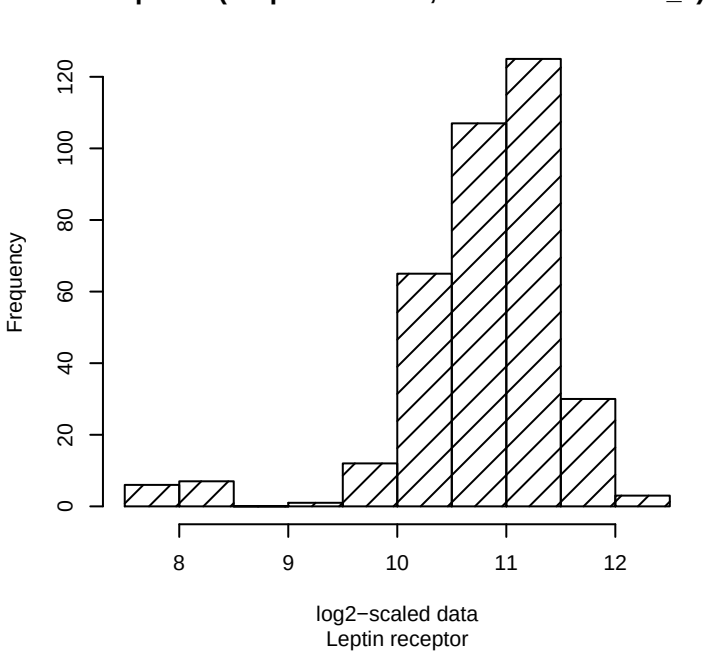

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
log2−scaled data
10.5
11.0
11.5
12.0
12.5
G/G (171)
G/A (143)
A/A (38)
rs11620733 (Chr14:21125838)
Locus 324 top sentinel (tags KORA rs11624221), p=0.0017, FC=−1.0696

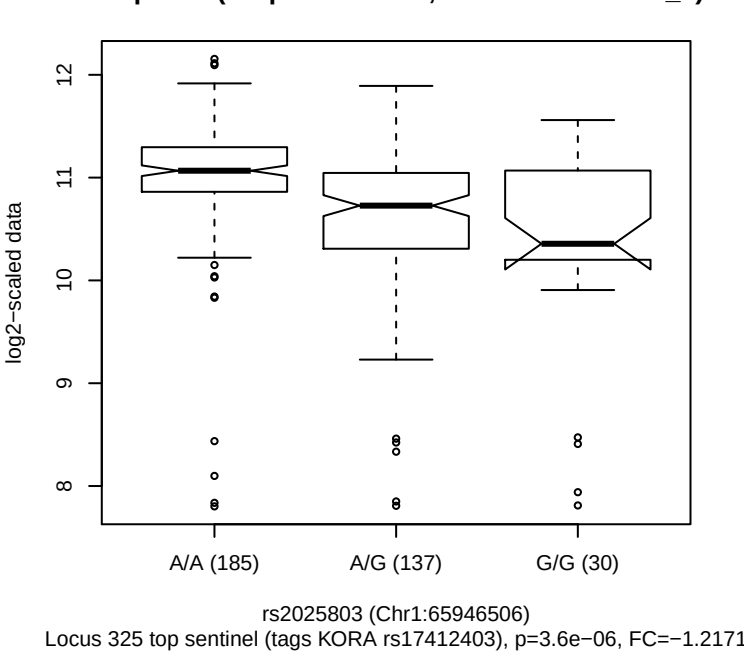

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Angiogenin

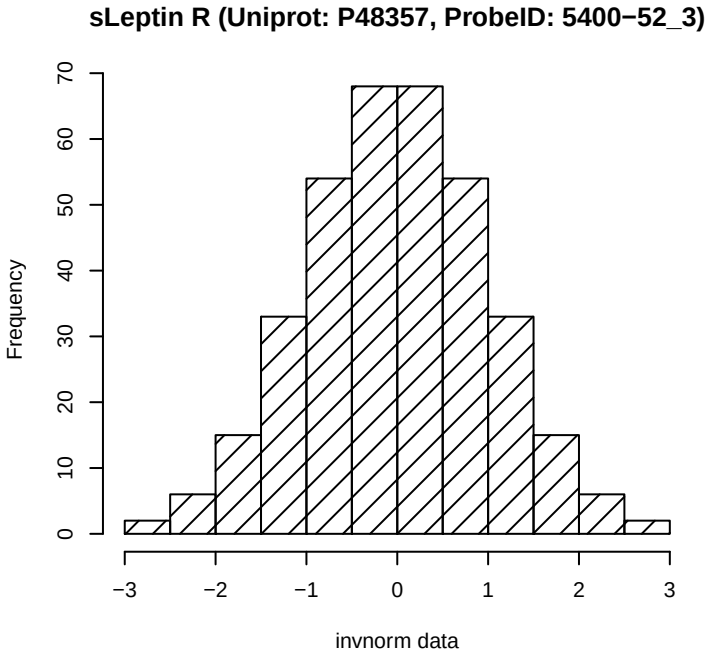

Angiogenin (Uniprot: P03950, ProbeID: 4874−3_1)
invnorm data
−2
−1
0
1
2
G/G (171)
G/A (143)
A/A (38)
rs11620733 (Chr14:21125838)
Locus 324 top sentinel (tags KORA rs11624221), p=0.0018

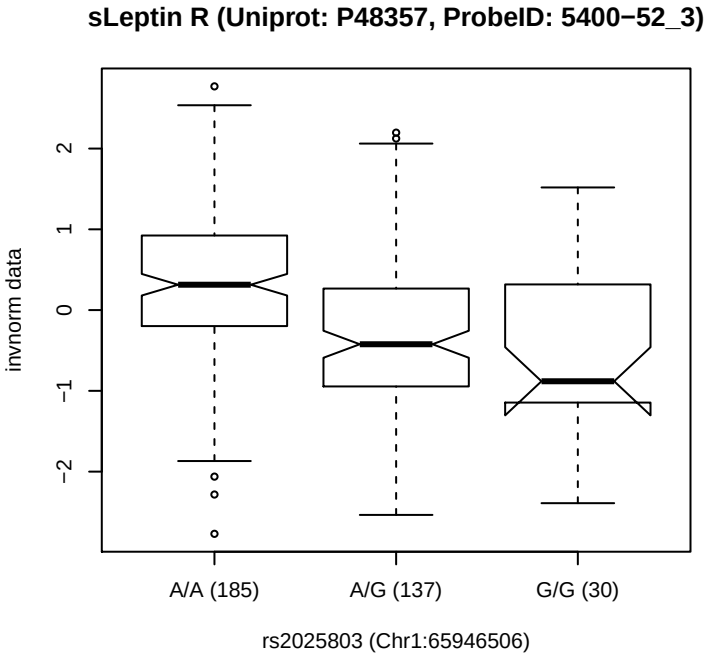

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
Frequency
0
20
40
60
80
100
0
1000
2000
3000
4000
5000
raw data
Leptin receptor

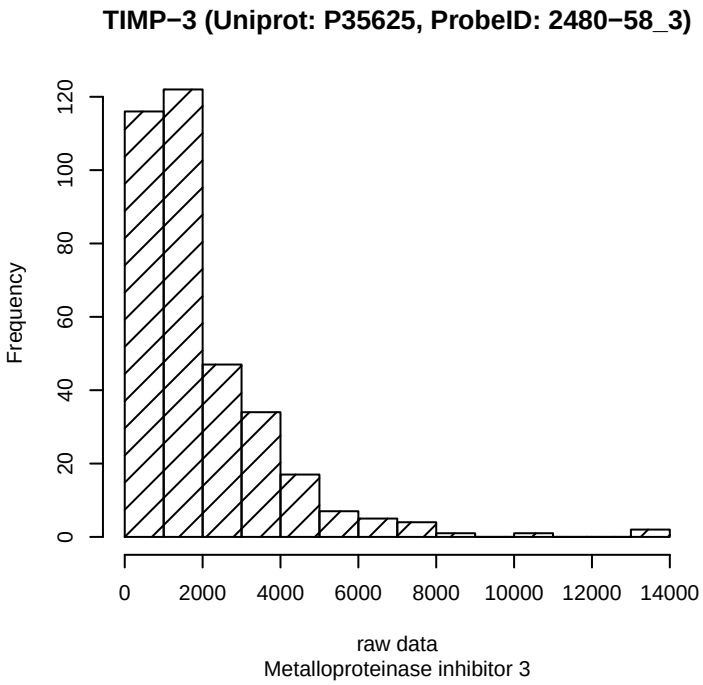

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
raw data
1000
2000
3000
4000
A/A (185)
A/G (137)
G/G (30)
rs2025803 (Chr1:65946506)
Locus 325 top sentinel (tags KORA rs17412403), p=2.8e−06

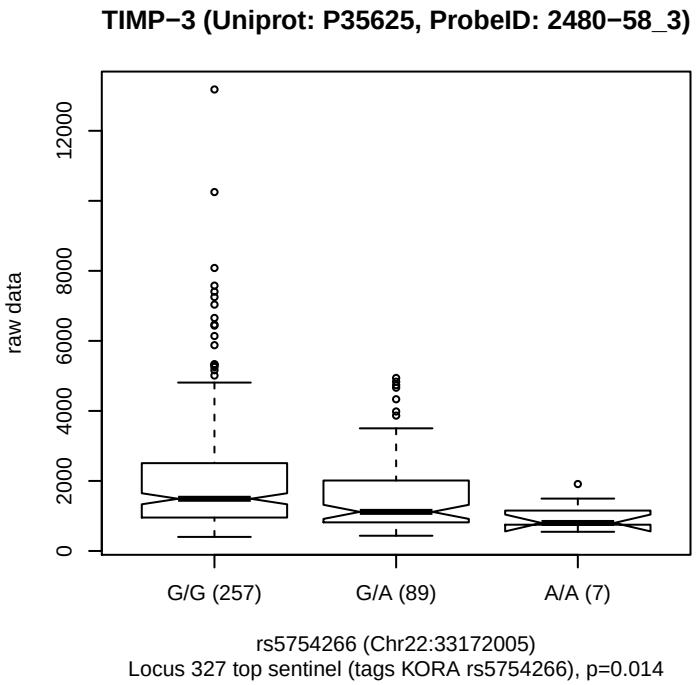

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
Frequency
0
20
40
60
80
100
120
8
9
10
11
12
log2−scaled data
Leptin receptor

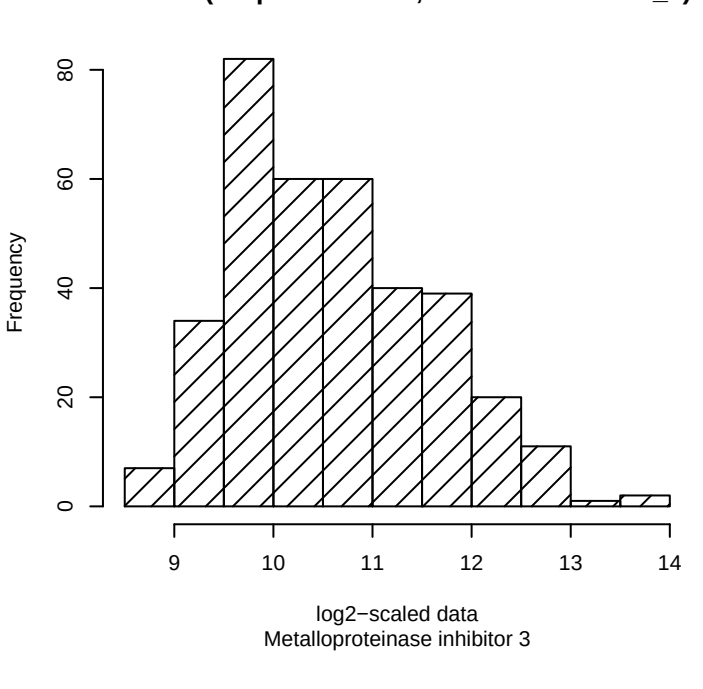

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
log2−scaled data
8
9
10
11
12
A/A (185)
A/G (137)
G/G (30)
rs2025803 (Chr1:65946506)
Locus 325 top sentinel (tags KORA rs17412403), p=3.6e−06, FC=−1.2171

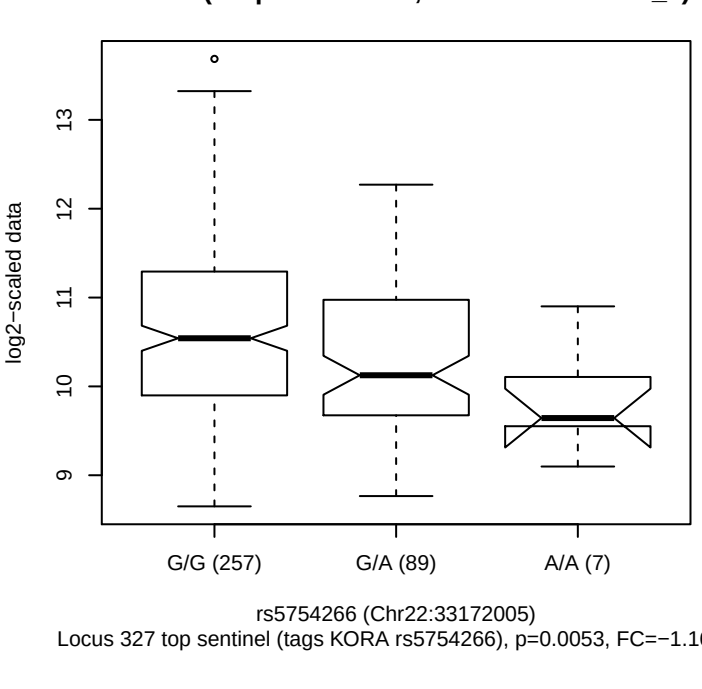

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Leptin receptor

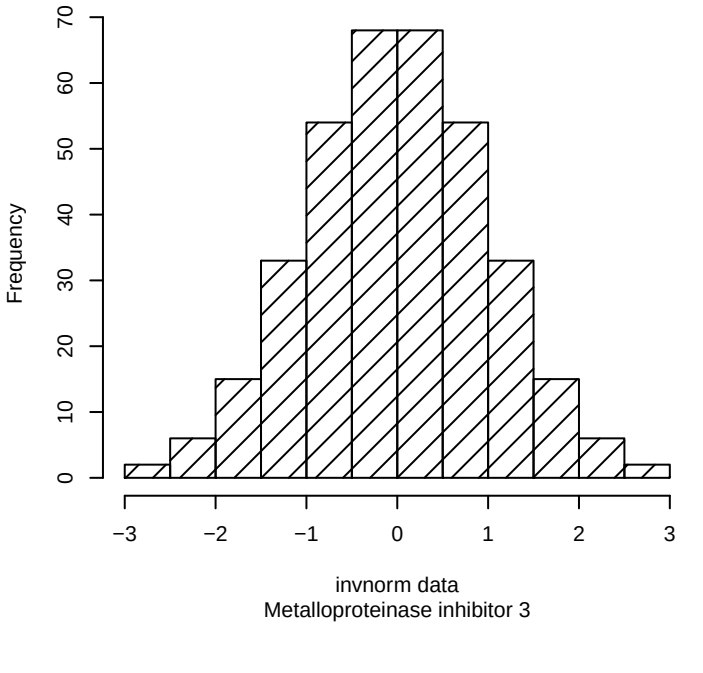

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
invnorm data
−2
−1
0
1
2
A/A (185)
A/G (137)
G/G (30)
rs2025803 (Chr1:65946506)
Locus 325 top sentinel (tags KORA rs17412403), p=1.4e−06

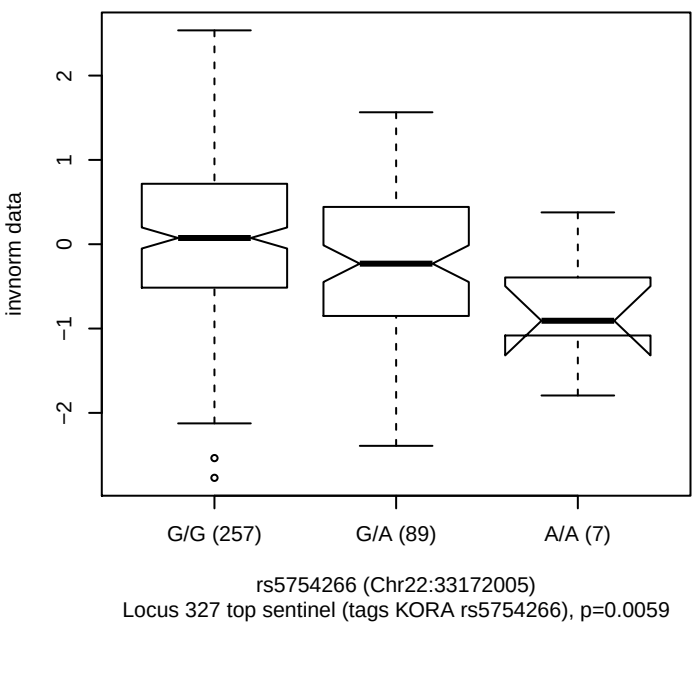

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
Frequency
0
20
40
60
80
100
120
0
2000
4000
6000
8000
10000
12000
14000
raw data
Metalloproteinase inhibitor 3

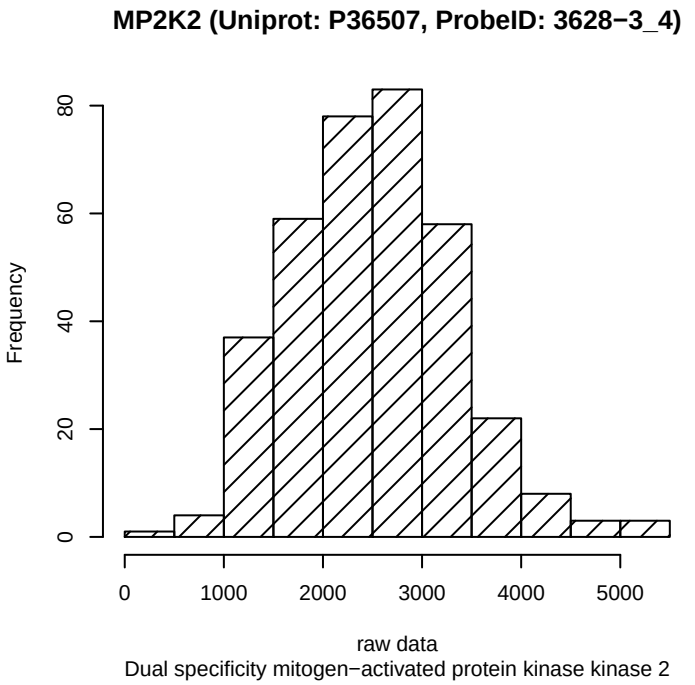

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
raw data
0
2000
4000
6000
8000
12000
G/G (257)
G/A (89)
A/A (7)
rs5754266 (Chr22:33172005)
Locus 327 top sentinel (tags KORA rs5754266), p=0.014

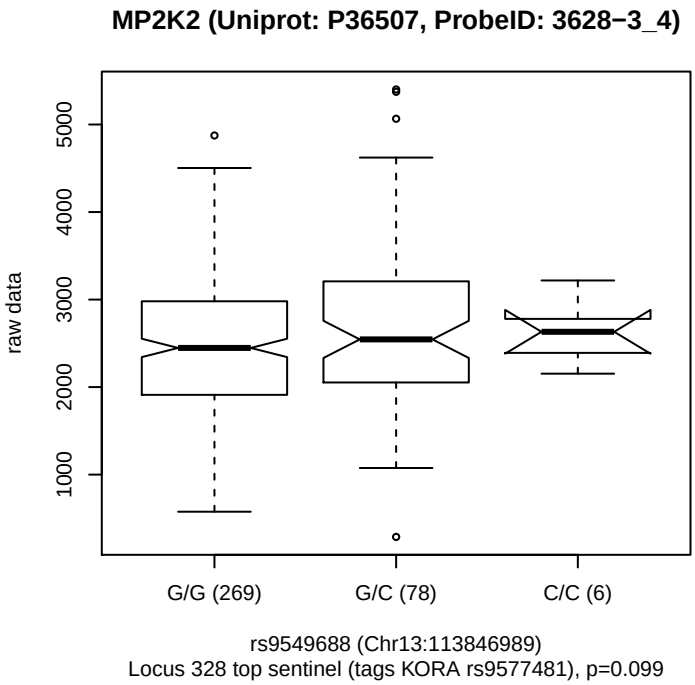

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
Frequency
0
20
40
60
80
9
10
11
12
13
14
log2−scaled data
Metalloproteinase inhibitor 3

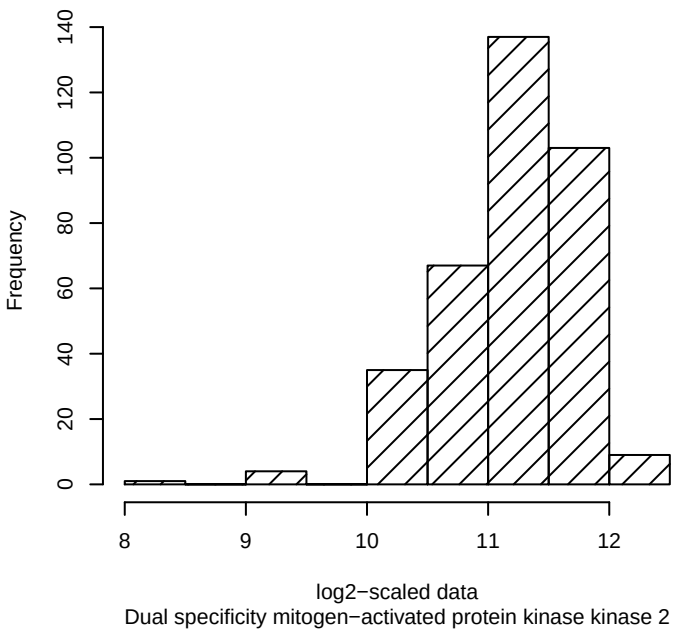

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
log2−scaled data
9
10
11
12
13
G/G (257)
G/A (89)
A/A (7)
rs5754266 (Chr22:33172005)
Locus 327 top sentinel (tags KORA rs5754266), p=0.0053, FC=−1.1696

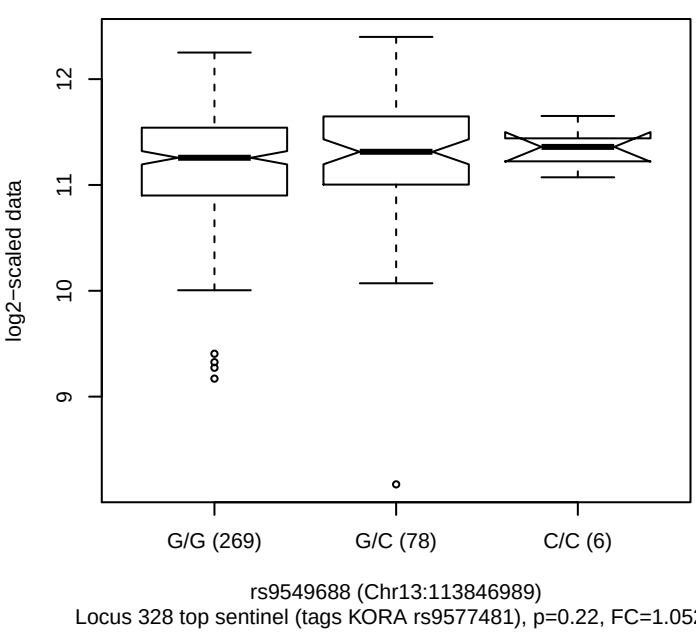

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Metalloproteinase inhibitor 3

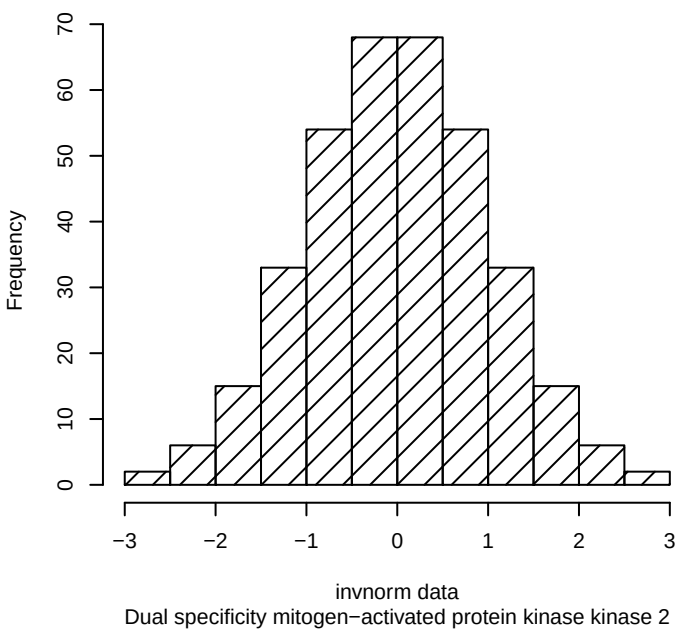

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
invnorm data
−2
−1
0
1
2
G/G (257)
G/A (89)
A/A (7)
rs5754266 (Chr22:33172005)
Locus 327 top sentinel (tags KORA rs5754266), p=0.0059

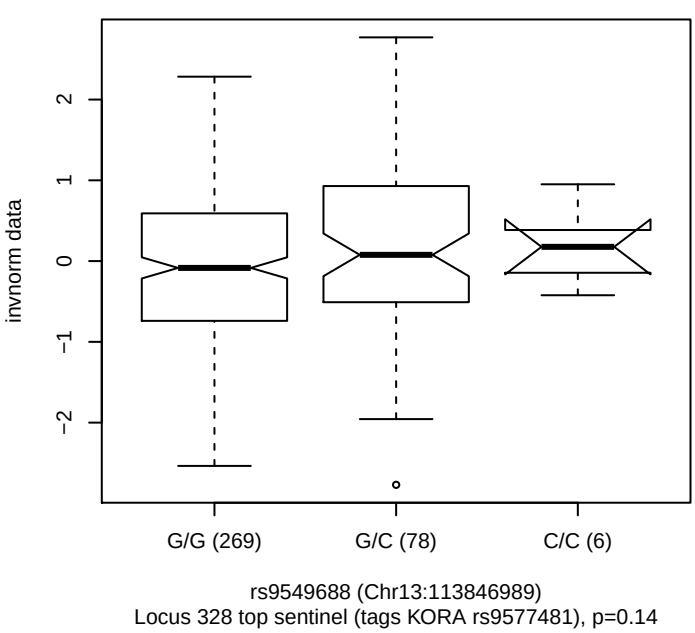

MP2K2 (Uniprot: P36507, ProbeID: 3628−3_4)
Frequency
0
20
40
60
80
0
1000
2000
3000
4000
5000
raw data
Dual specificity mitogen−activated protein kinase kinase 2

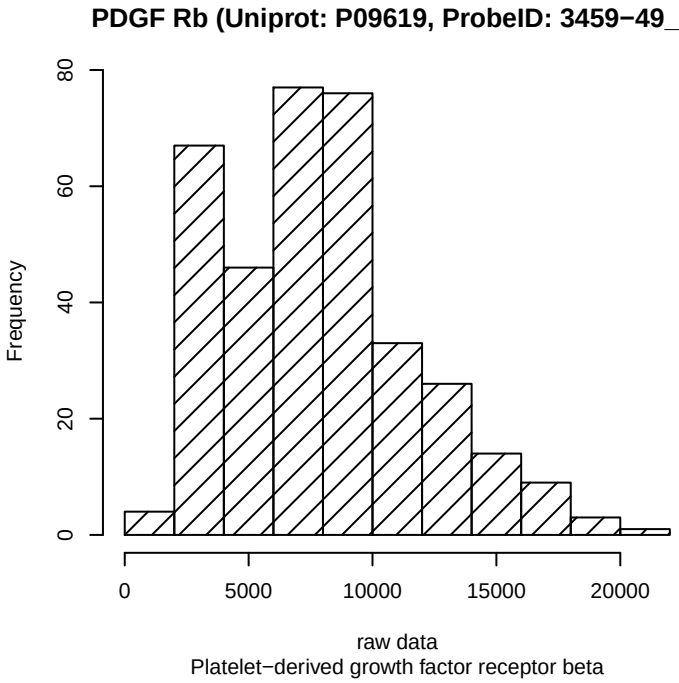

MP2K2 (Uniprot: P36507, ProbeID: 3628−3_4)
raw data
1000
2000
3000
4000
5000
G/G (269)
G/C (78)
C/C (6)
rs9549688 (Chr13:113846989)
Locus 328 top sentinel (tags KORA rs9577481), p=0.099

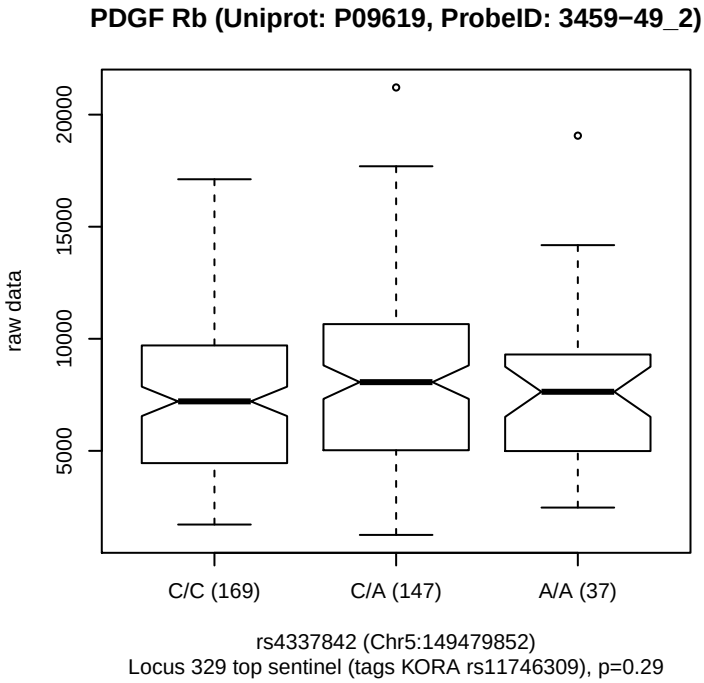

MP2K2 (Uniprot: P36507, ProbeID: 3628−3_4)
Frequency
0
20
40
60
80
100
120
140
8
9
10
11
12
log2−scaled data
Dual specificity mitogen−activated protein kinase kinase 2

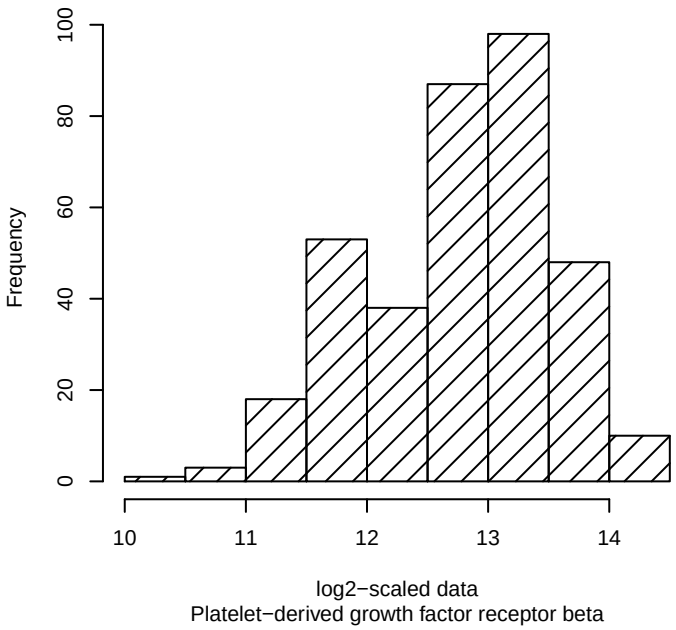

MP2K2 (Uniprot: P36507, ProbeID: 3628−3_4)
log2−scaled data
9
10
11
12
G/G (269)
G/C (78)
C/C (6)
rs9549688 (Chr13:113846989)
Locus 328 top sentinel (tags KORA rs9577481), p=0.22, FC=1.0524

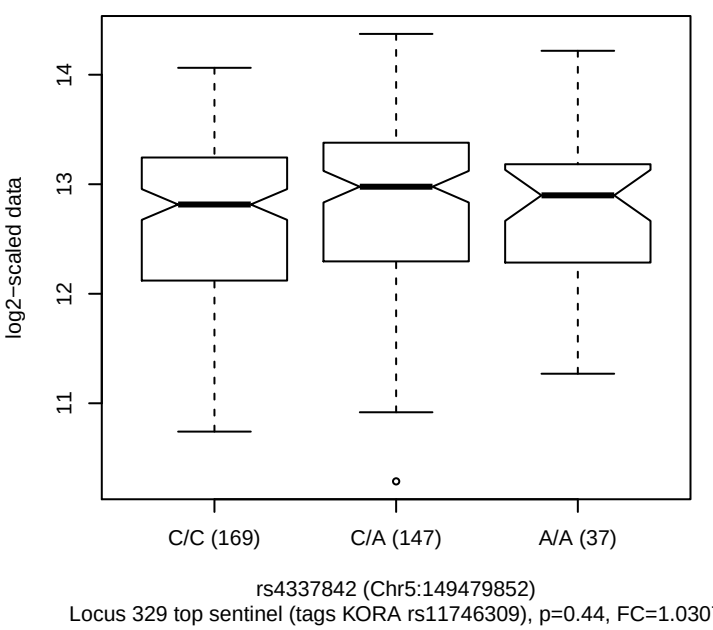

MP2K2 (Uniprot: P36507, ProbeID: 3628−3_4)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Dual specificity mitogen−activated protein kinase kinase 2

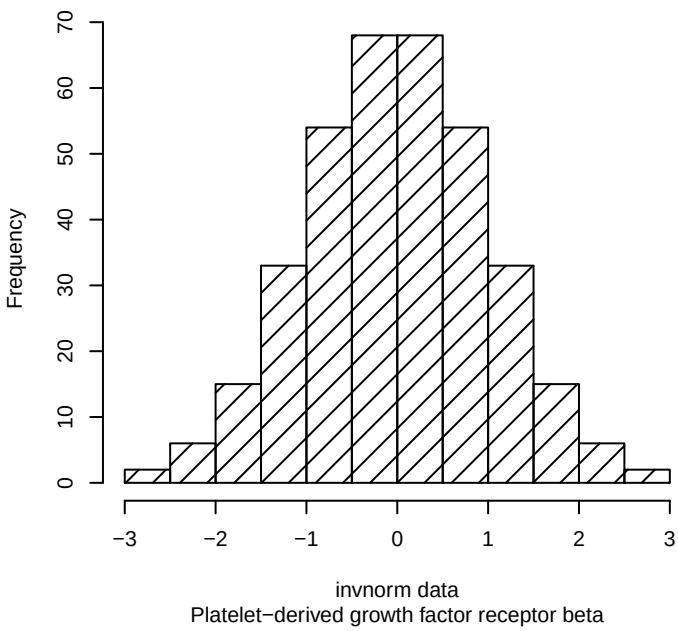

MP2K2 (Uniprot: P36507, ProbeID: 3628−3_4)
invnorm data
−2
−1
0
1
2
G/G (269)
G/C (78)
C/C (6)
rs9549688 (Chr13:113846989)
Locus 328 top sentinel (tags KORA rs9577481), p=0.14

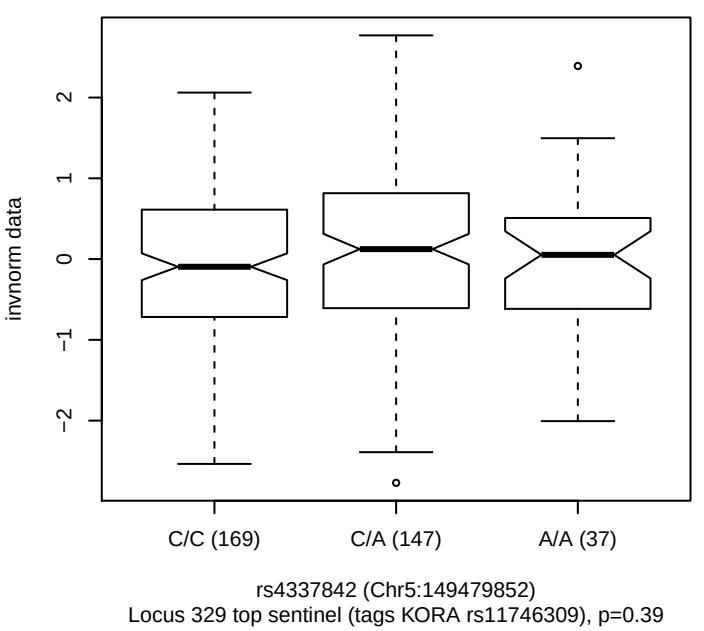

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
Frequency
0
20
40
60
80
0
5000
10000
15000
20000
raw data
Platelet−derived growth factor receptor beta

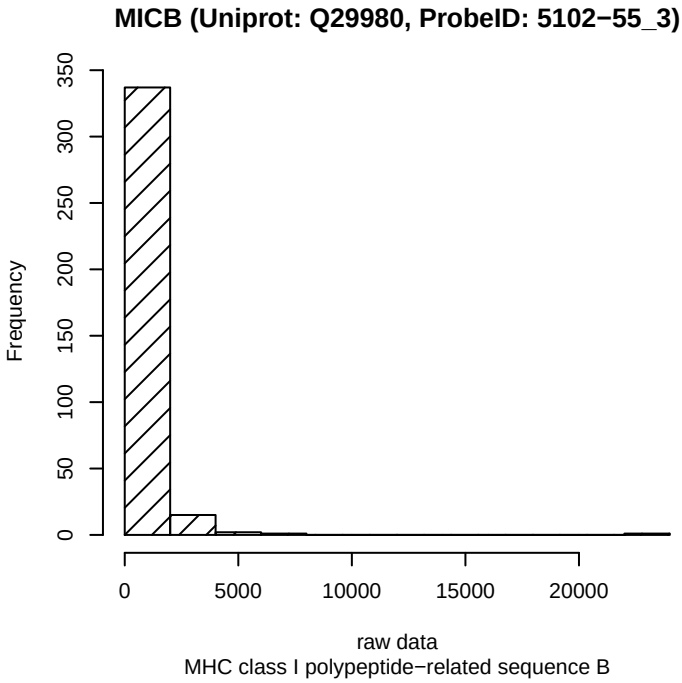

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
raw data
5000
10000
15000
20000
C/C (169)
C/A (147)
A/A (37)
rs4337842 (Chr5:149479852)
Locus 329 top sentinel (tags KORA rs11746309), p=0.29

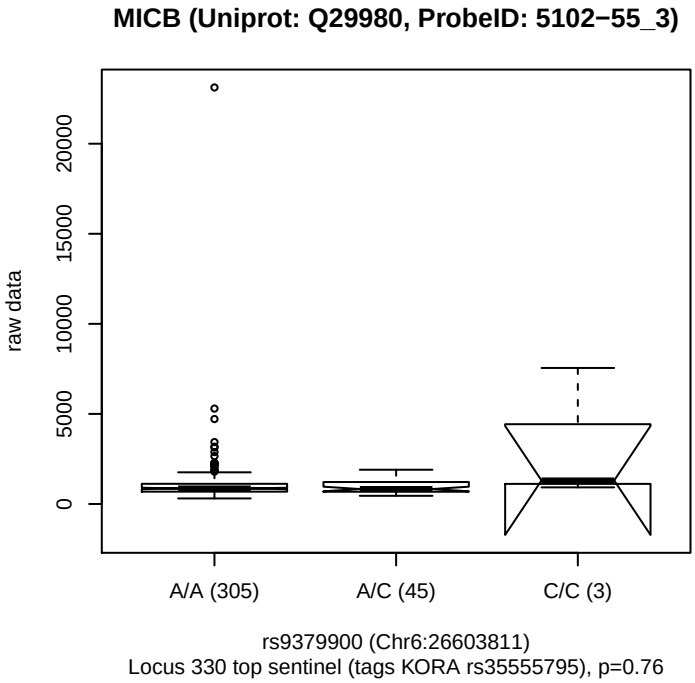

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
Frequency
0
20
40
60
80
100
10
11
12
13
14
log2−scaled data
Platelet−derived growth factor receptor beta

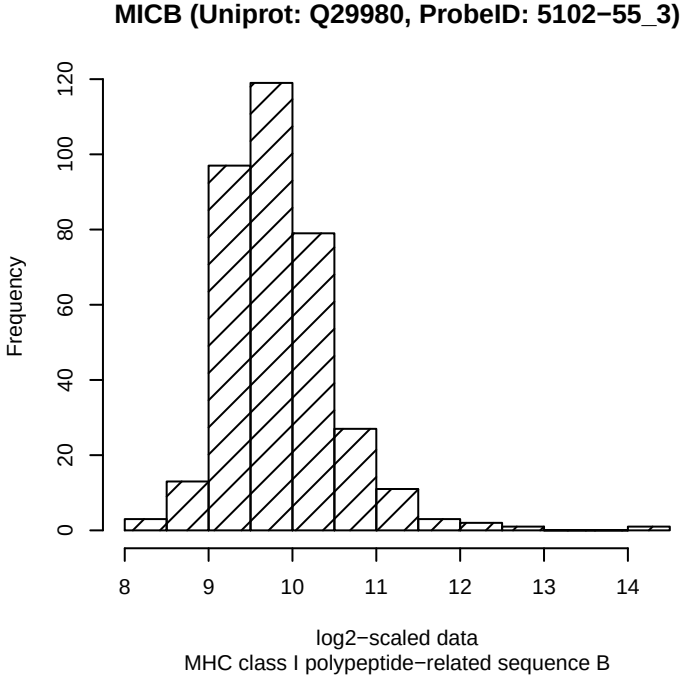

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
log2−scaled data
11
12
13
14
C/C (169)
C/A (147)
A/A (37)
rs4337842 (Chr5:149479852)
Locus 329 top sentinel (tags KORA rs11746309), p=0.44, FC=1.0307

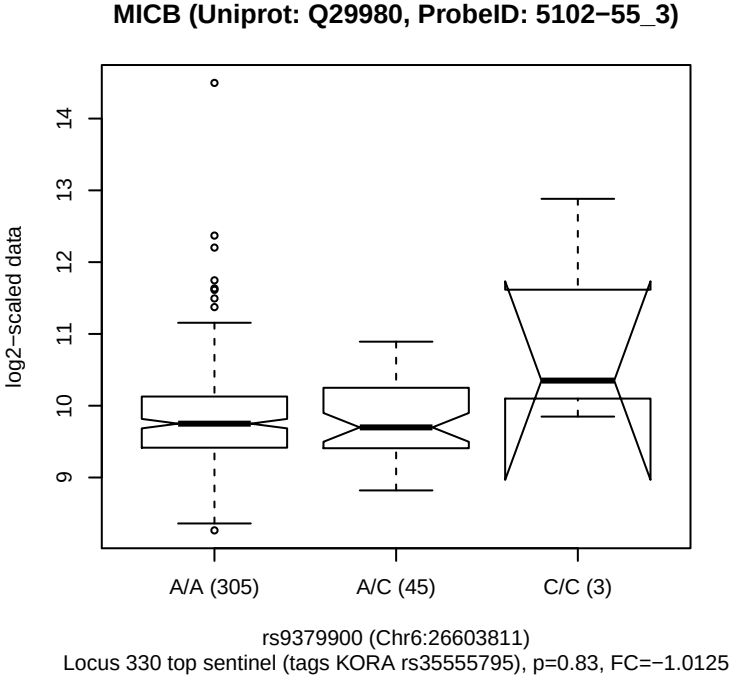

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Platelet−derived growth factor receptor beta

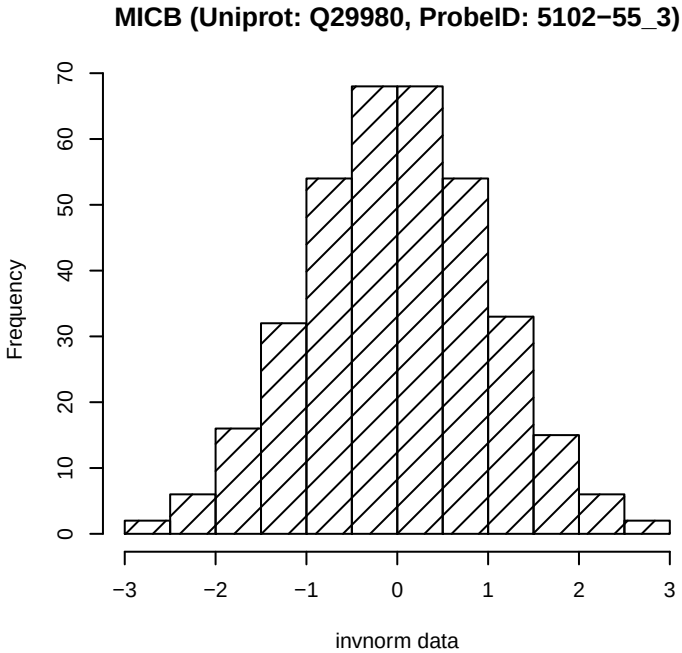

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
invnorm data
−2
−1
0
1
2
C/C (169)
C/A (147)
A/A (37)
rs4337842 (Chr5:149479852)
Locus 329 top sentinel (tags KORA rs11746309), p=0.39

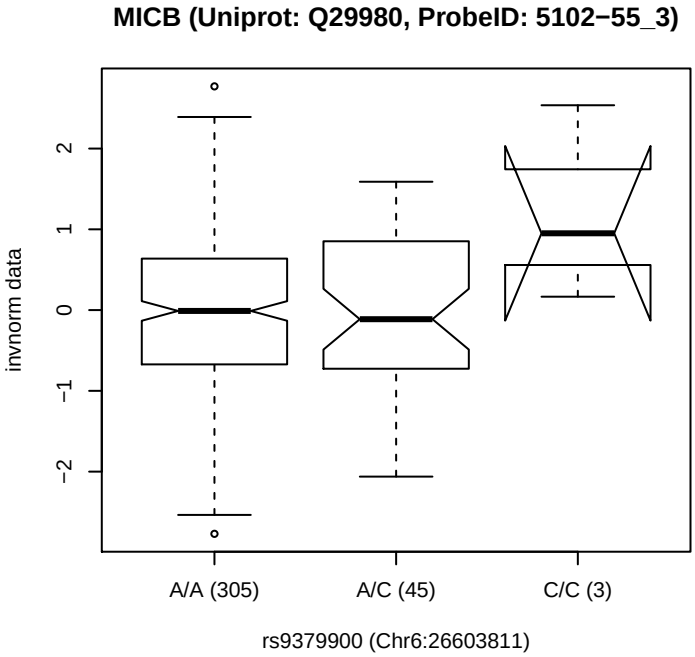

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
50
100
150
200
250
300
350
0
5000
10000
15000
20000
raw data
MHC class I polypeptide−related sequence B

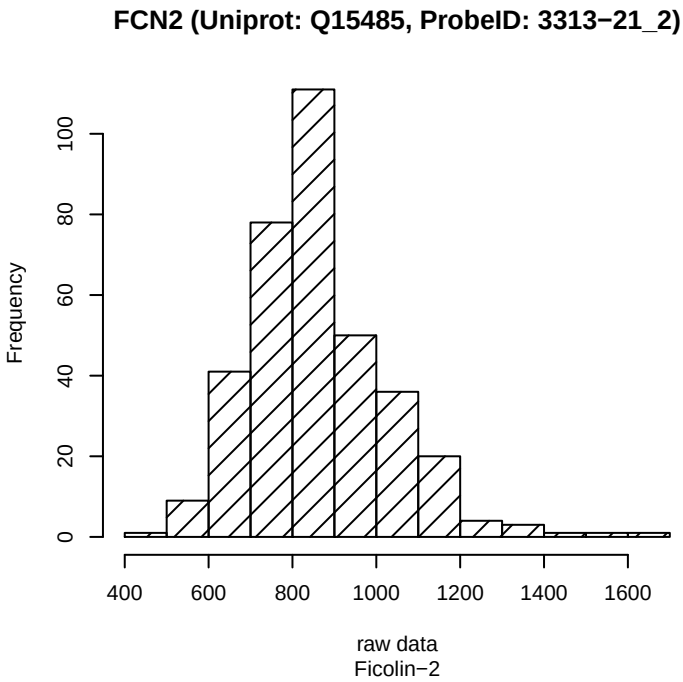

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
raw data
0
5000
10000
15000
20000
A/A (305)
A/C (45)
C/C (3)
rs9379900 (Chr6:26603811)
Locus 330 top sentinel (tags KORA rs35555795), p=0.76

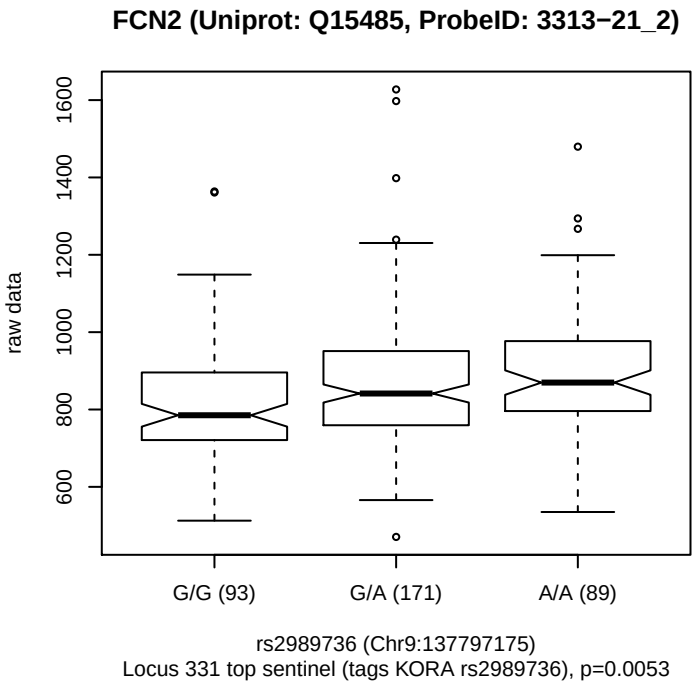

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
20
40
60
80
100
120
8
9
10
11
12
13
14
log2−scaled data
MHC class I polypeptide−related sequence B

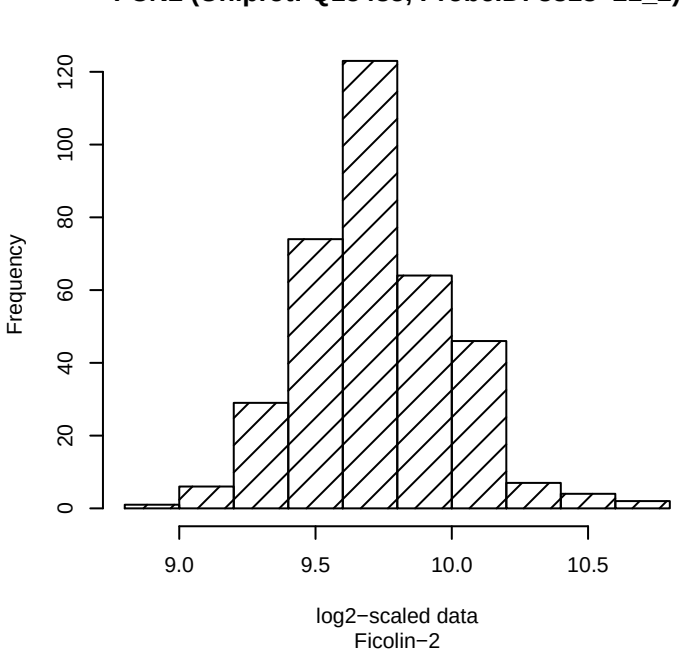

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
log2−scaled data
9
10
11
12
13
14
A/A (305)
A/C (45)
C/C (3)
rs9379900 (Chr6:26603811)
Locus 330 top sentinel (tags KORA rs35555795), p=0.83, FC=−1.0125

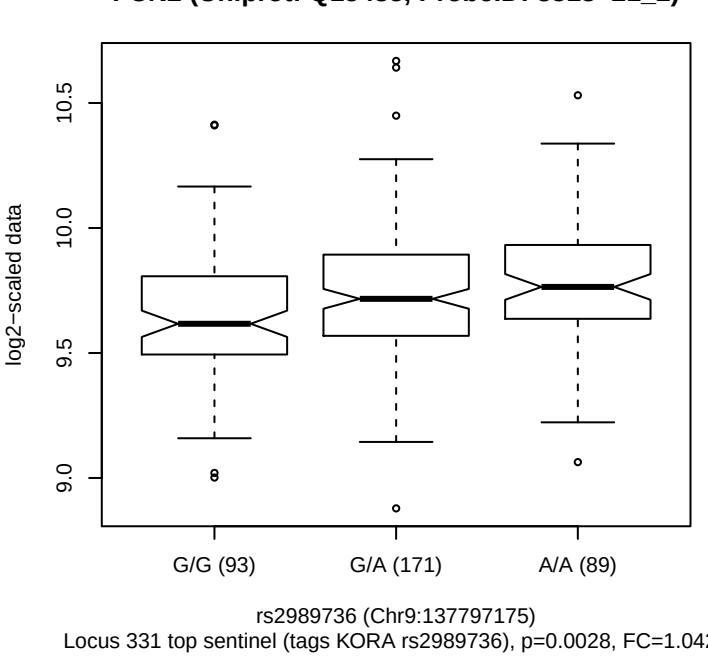

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence B

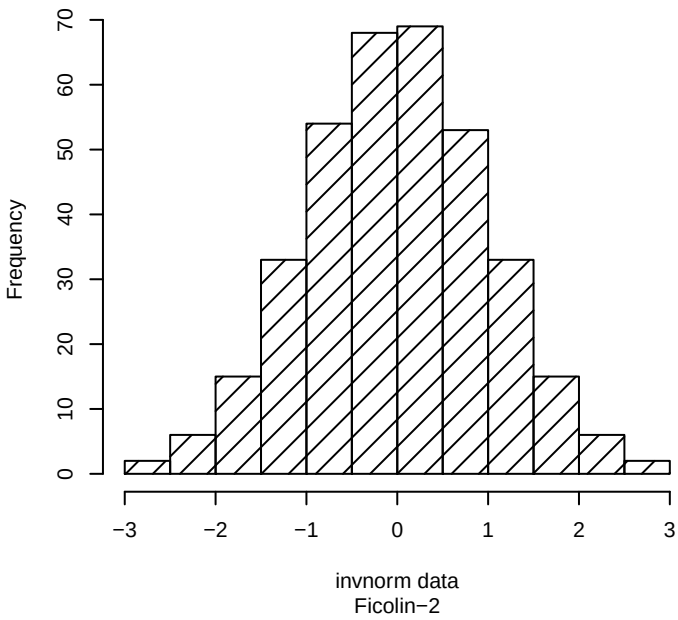

MICB (Uniprot: Q29980, ProbeID: 5102−55_3)
invnorm data
−2
−1
0
1
2
A/A (305)
A/C (45)
C/C (3)
rs9379900 (Chr6:26603811)
Locus 330 top sentinel (tags KORA rs35555795), p=0.52

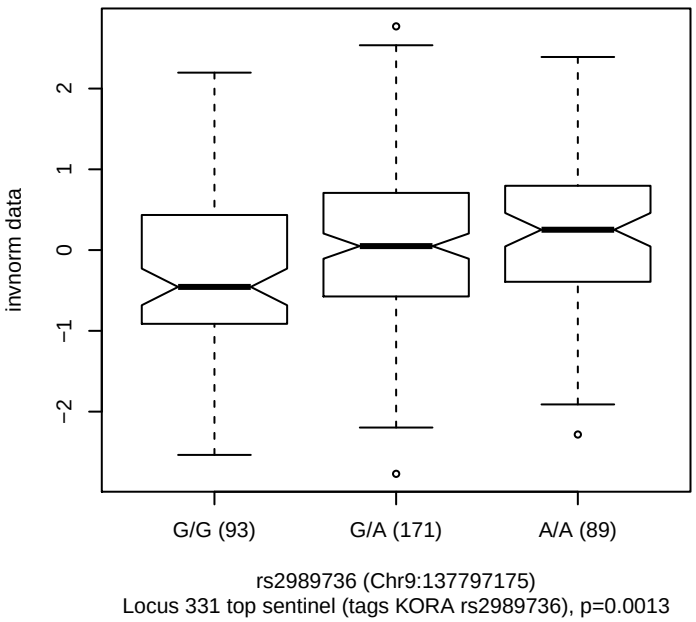

FCN2 (Uniprot: Q15485, ProbeID: 3313−21_2)
Frequency
0
20
40
60
80
100
400
600
800
1000
1200
1400
1600
raw data
Ficolin−2

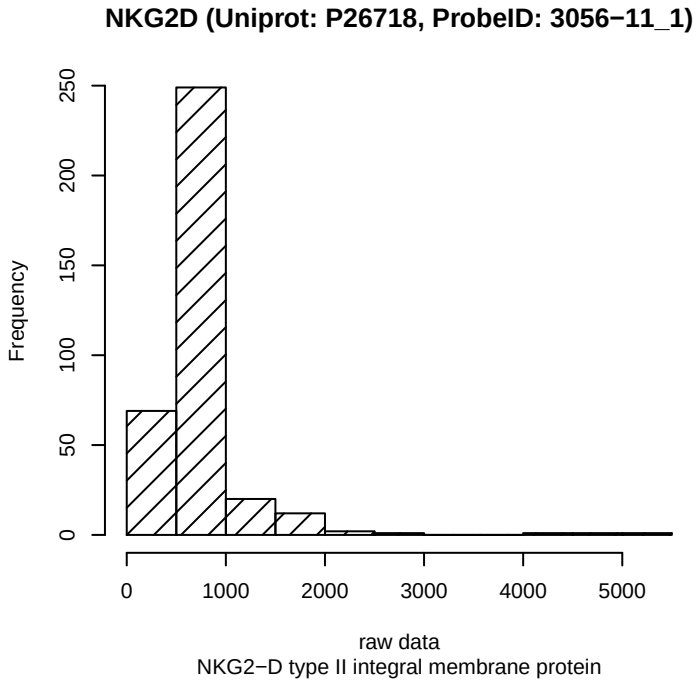

FCN2 (Uniprot: Q15485, ProbeID: 3313−21_2)
raw data
600
800
1000
1200
1400
1600
G/G (93)
G/A (171)
A/A (89)
rs2989736 (Chr9:137797175)
Locus 331 top sentinel (tags KORA rs2989736), p=0.0053

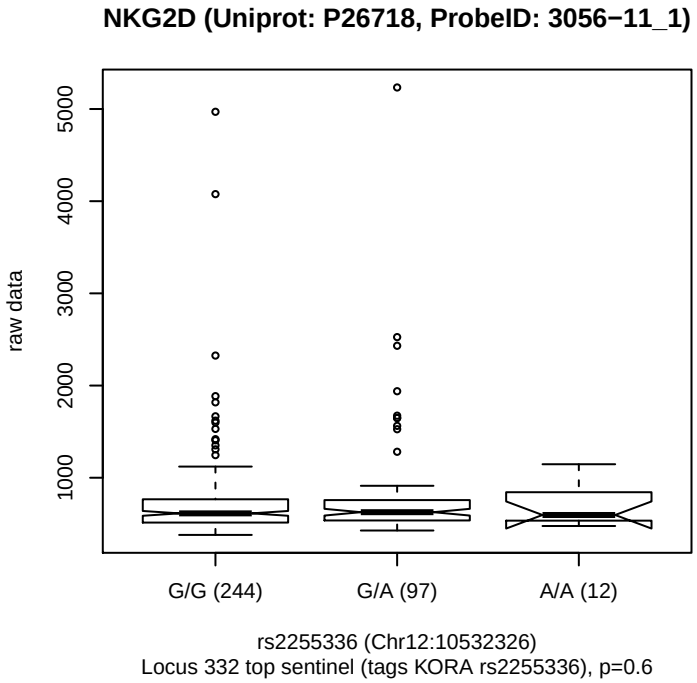

FCN2 (Uniprot: Q15485, ProbeID: 3313−21_2)
Frequency
0
20
40
60
80
100
120
9.0
9.5
10.0
10.5
log2−scaled data
Ficolin−2

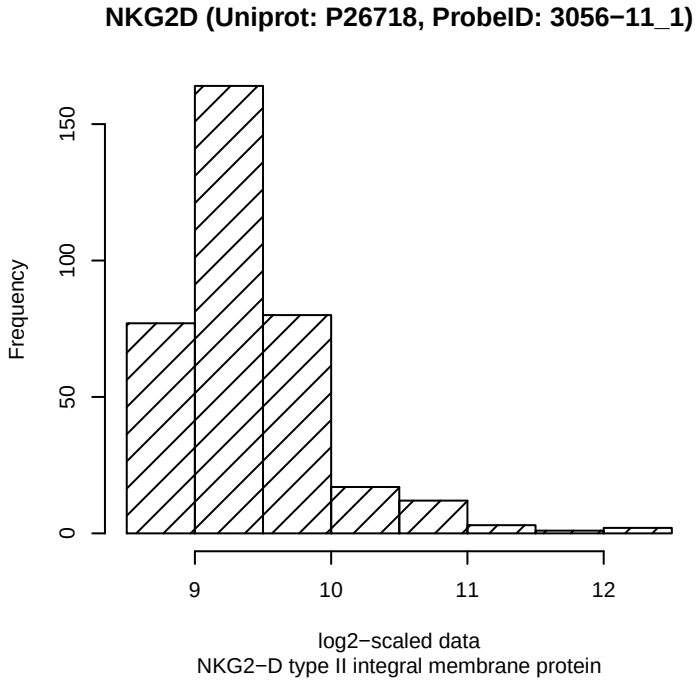

FCN2 (Uniprot: Q15485, ProbeID: 3313−21_2)
log2−scaled data
9.0
9.5
10.0
10.5
G/G (93)
G/A (171)
A/A (89)
rs2989736 (Chr9:137797175)
Locus 331 top sentinel (tags KORA rs2989736), p=0.0028, FC=1.0429

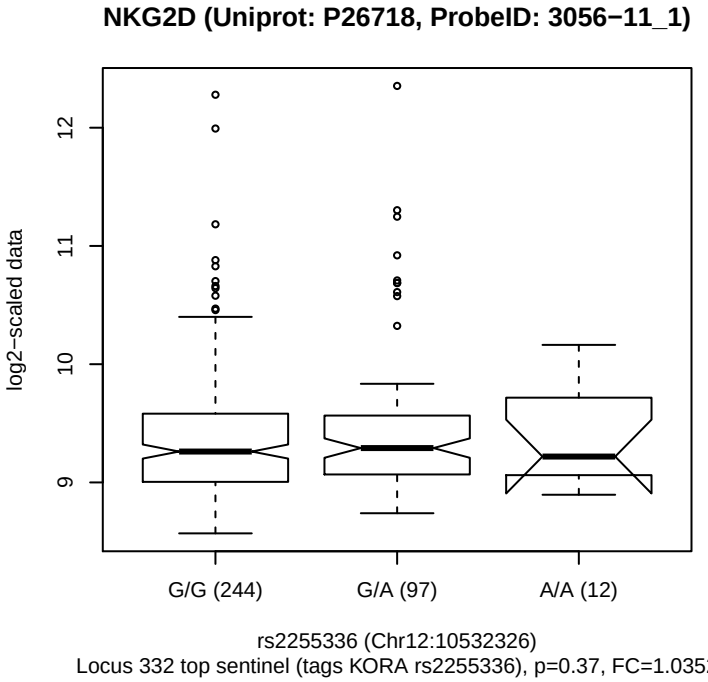

FCN2 (Uniprot: Q15485, ProbeID: 3313−21_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Ficolin−2

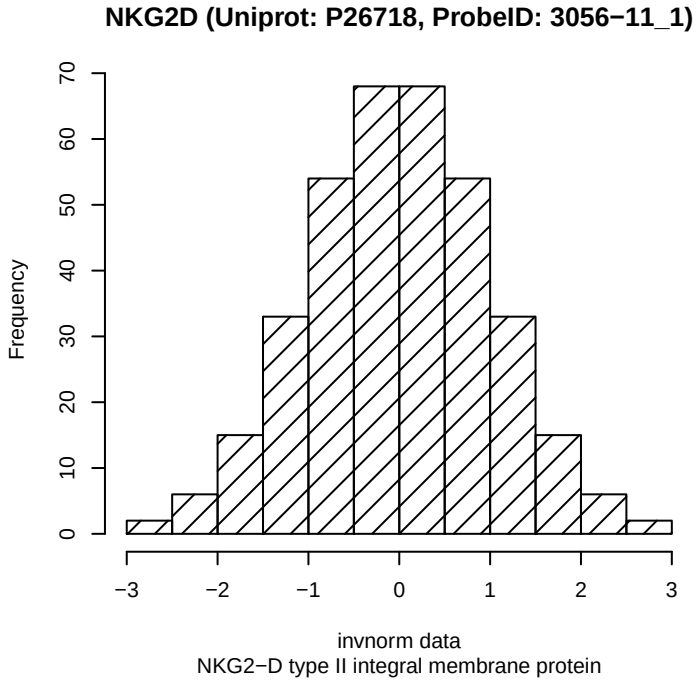

FCN2 (Uniprot: Q15485, ProbeID: 3313−21_2)
invnorm data
−2
−1
0
1
2
G/G (93)
G/A (171)
A/A (89)
rs2989736 (Chr9:137797175)
Locus 331 top sentinel (tags KORA rs2989736), p=0.0013

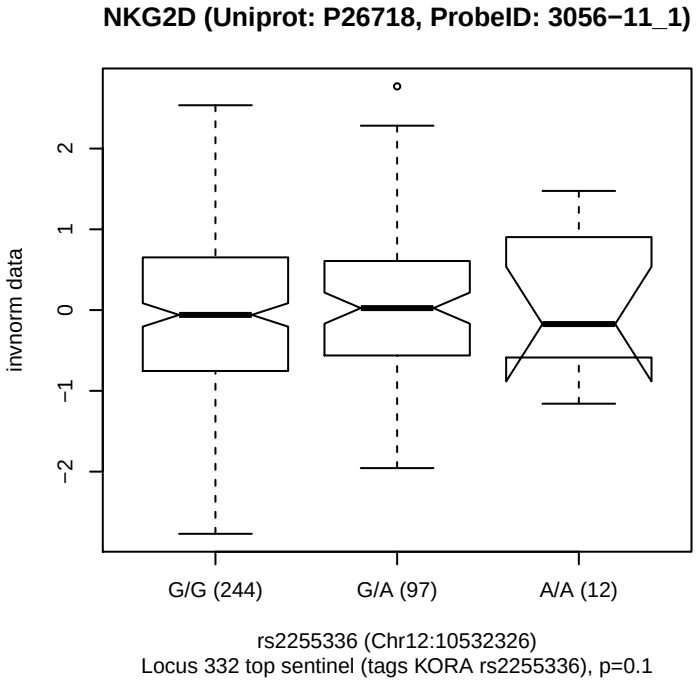

NKG2D (Uniprot: P26718, ProbeID: 3056−11_1)
Frequency
0
50
100
150
200
250
0
1000
2000
3000
4000
5000
raw data
NKG2−D type II integral membrane protein

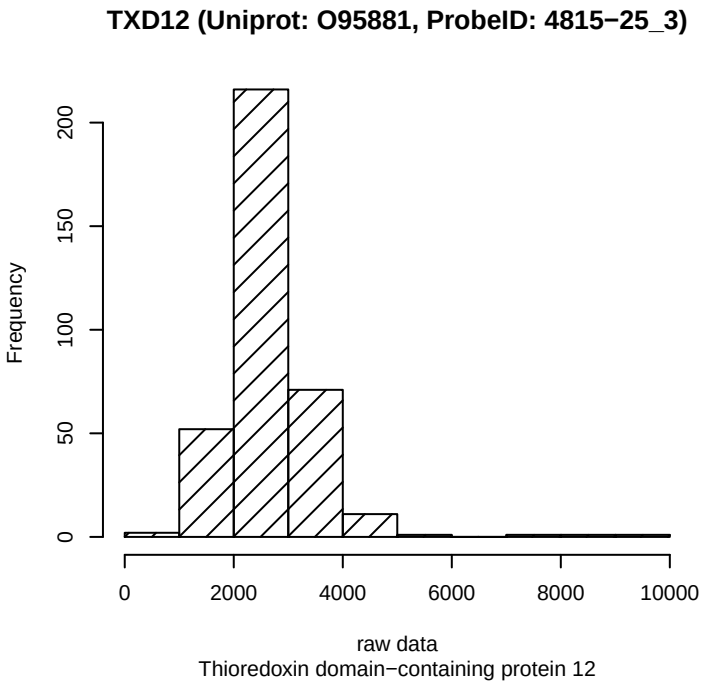

NKG2D (Uniprot: P26718, ProbeID: 3056−11_1)
raw data
1000
2000
3000
4000
5000
G/G (244)
G/A (97)
A/A (12)
rs2255336 (Chr12:10532326)
Locus 332 top sentinel (tags KORA rs2255336), p=0.6

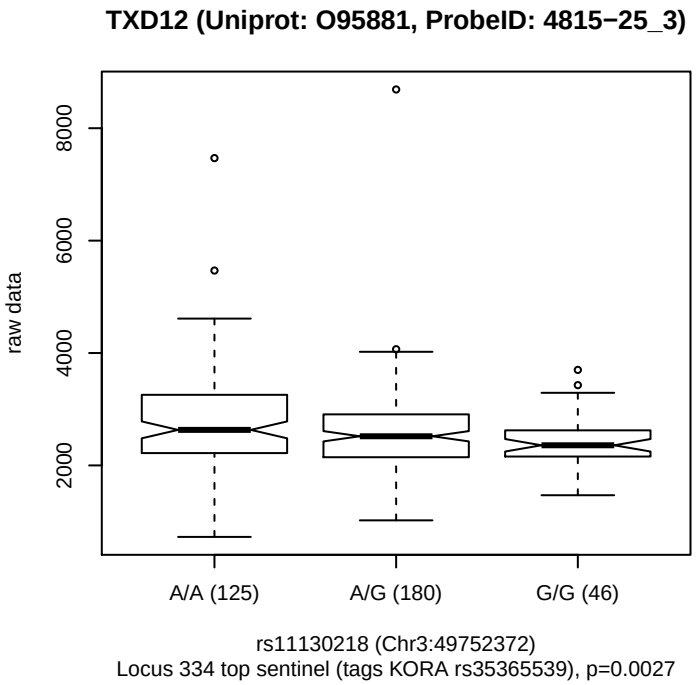

NKG2D (Uniprot: P26718, ProbeID: 3056−11_1)
Frequency
0
50
100
150
9
10
11
12
log2−scaled data
NKG2−D type II integral membrane protein

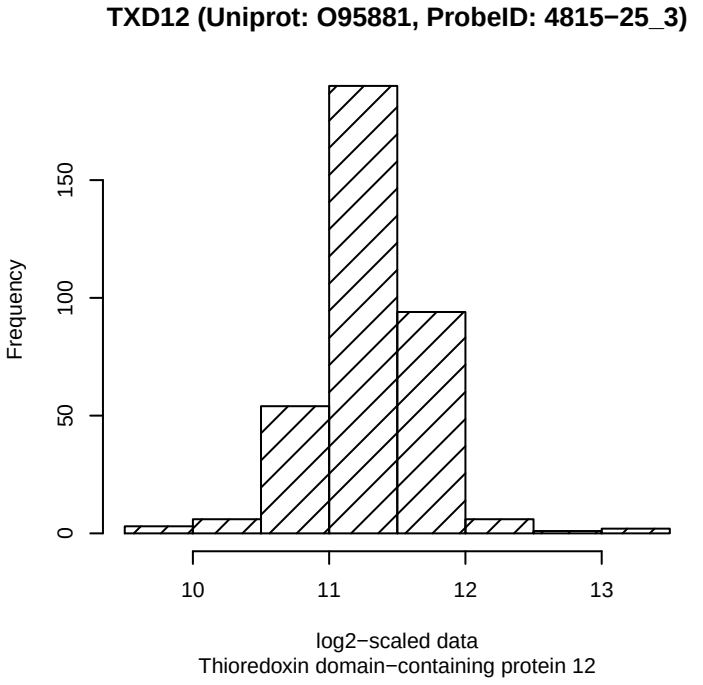

NKG2D (Uniprot: P26718, ProbeID: 3056−11_1)
log2−scaled data
9
10
11
12
G/G (244)
G/A (97)
A/A (12)
rs2255336 (Chr12:10532326)
Locus 332 top sentinel (tags KORA rs2255336), p=0.37, FC=1.0352

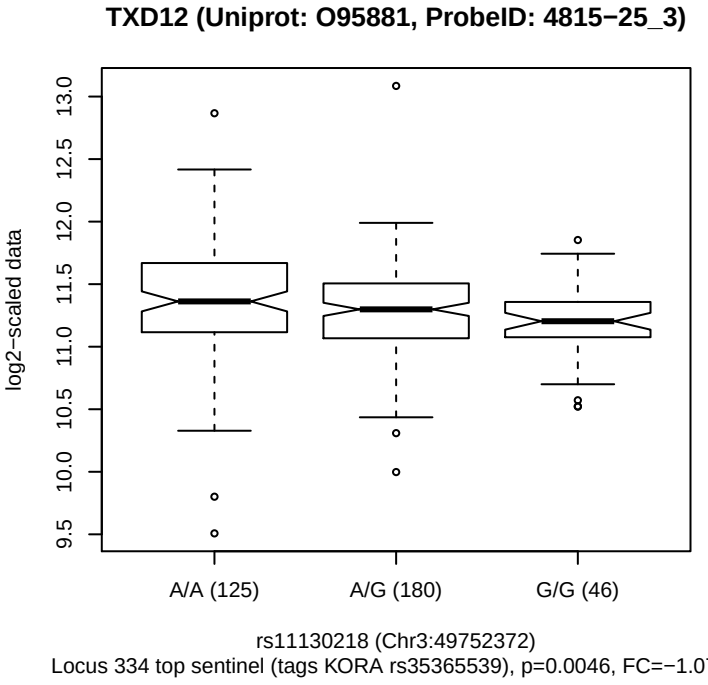

NKG2D (Uniprot: P26718, ProbeID: 3056−11_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
NKG2−D type II integral membrane protein

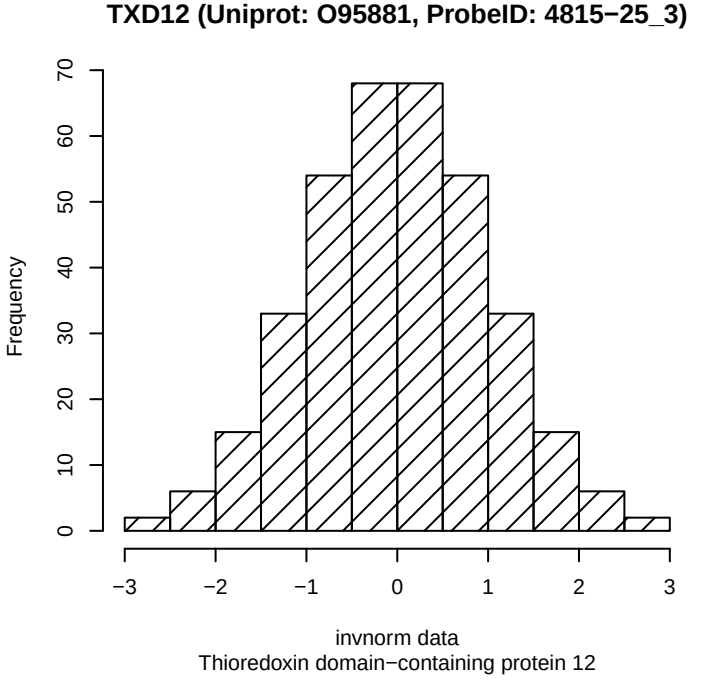

NKG2D (Uniprot: P26718, ProbeID: 3056−11_1)
invnorm data
−2
−1
0
1
2
G/G (244)
G/A (97)
A/A (12)
rs2255336 (Chr12:10532326)
Locus 332 top sentinel (tags KORA rs2255336), p=0.1

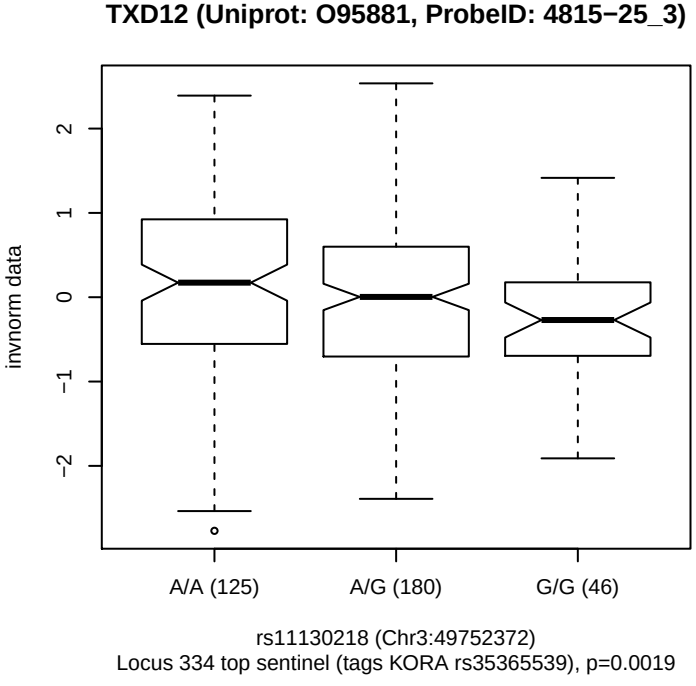

TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
Frequency
0
50
100
150
200
0
2000
4000
6000
8000
10000
raw data
Thioredoxin domain−containing protein 12

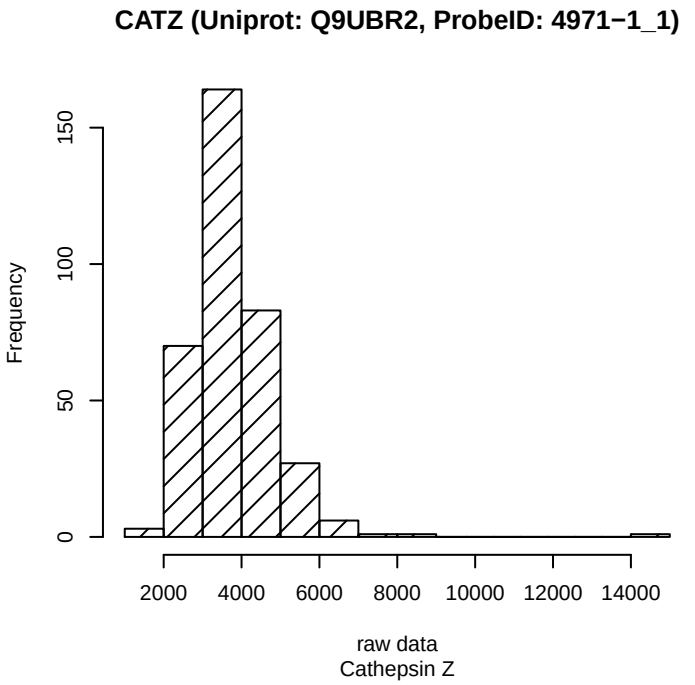

TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
raw data
2000
4000
6000
8000
A/A (125)
A/G (180)
G/G (46)
rs11130218 (Chr3:49752372)
Locus 334 top sentinel (tags KORA rs35365539), p=0.0027

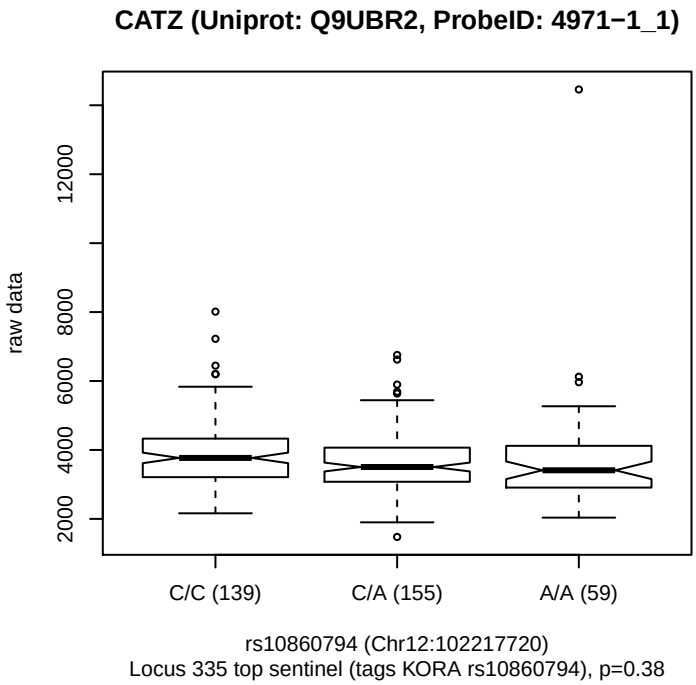

TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
Frequency
0
50
100
150
10
11
12
13
log2−scaled data
Thioredoxin domain−containing protein 12

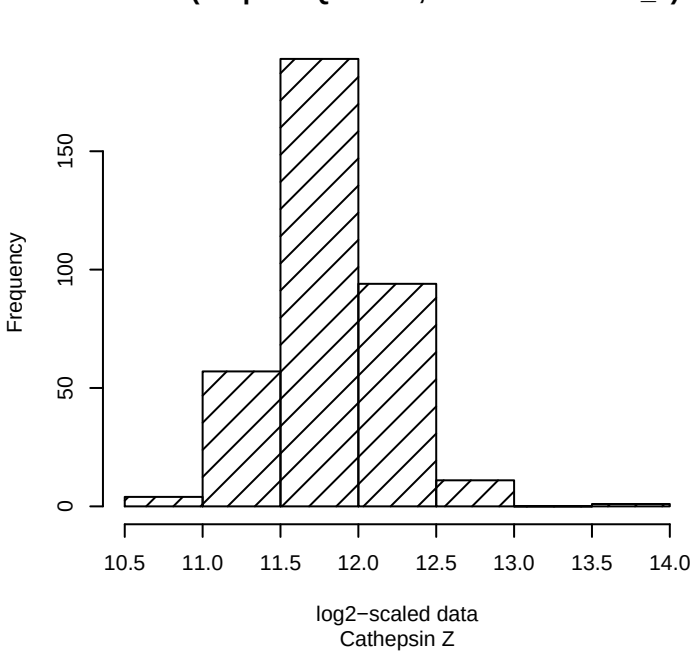

TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
log2−scaled data
9.5
10.0
10.5
11.0
11.5
12.0
12.5
13.0
A/A (125)
A/G (180)
G/G (46)
rs11130218 (Chr3:49752372)
Locus 334 top sentinel (tags KORA rs35365539), p=0.0046, FC=−1.0712

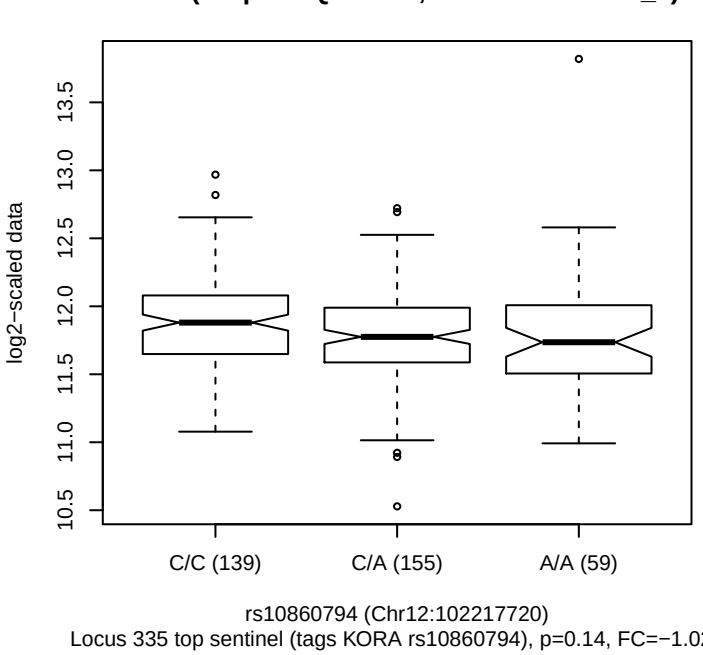

TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Thioredoxin domain−containing protein 12

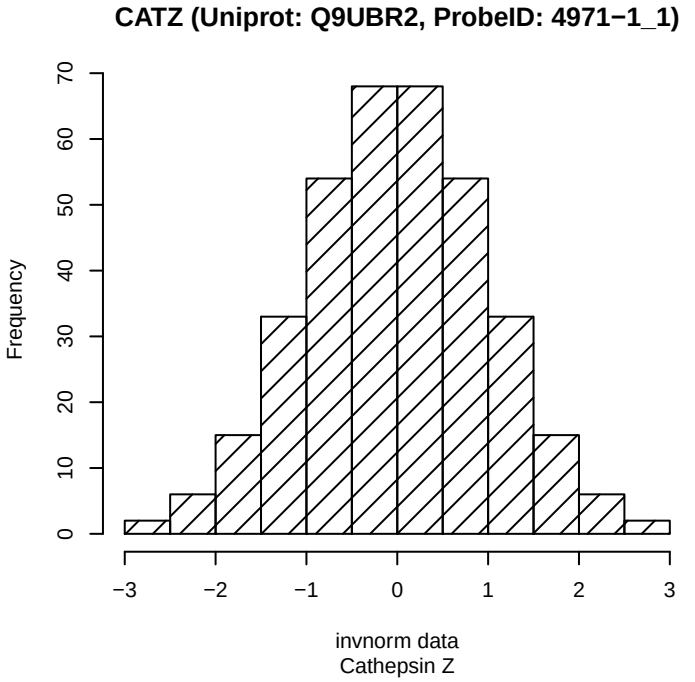

TXD12 (Uniprot: O95881, ProbeID: 4815−25_3)
invnorm data
−2
−1
0
1
2
A/A (125)
A/G (180)
G/G (46)
rs11130218 (Chr3:49752372)
Locus 334 top sentinel (tags KORA rs35365539), p=0.0019

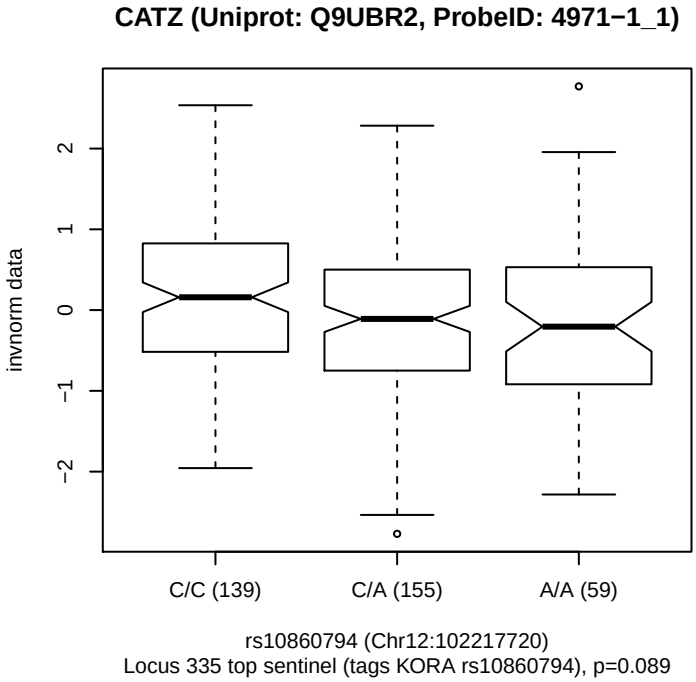

CATZ (Uniprot: Q9UBR2, ProbeID: 4971−1_1)
Frequency
0
50
100
150
2000
4000
6000
8000
10000
12000
14000
raw data
Cathepsin Z

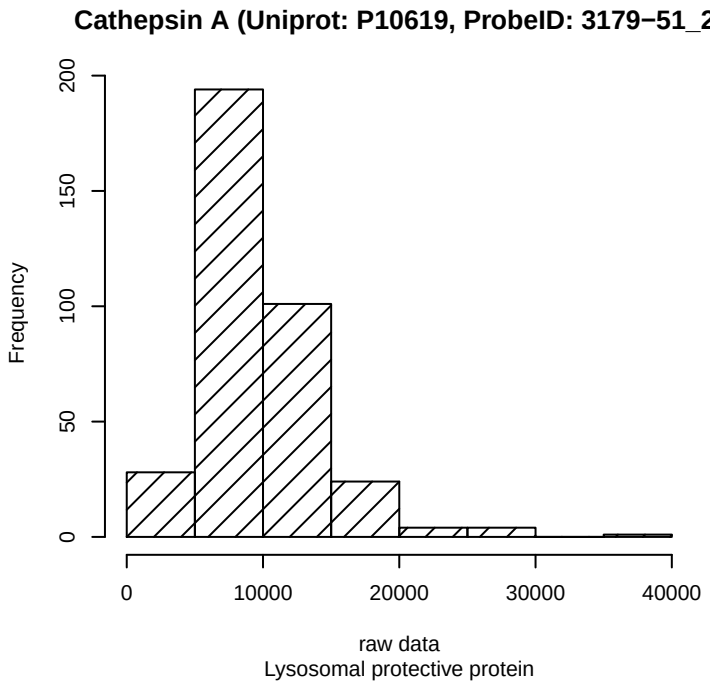

CATZ (Uniprot: Q9UBR2, ProbeID: 4971−1_1)
raw data
2000
4000
6000
8000
12000
C/C (139)
C/A (155)
A/A (59)
rs10860794 (Chr12:102217720)
Locus 335 top sentinel (tags KORA rs10860794), p=0.38

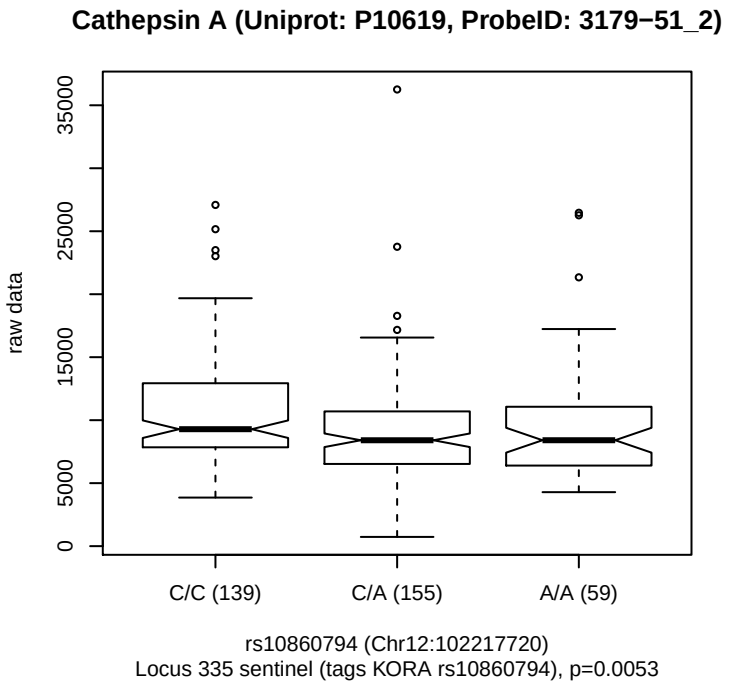

CATZ (Uniprot: Q9UBR2, ProbeID: 4971−1_1)
Frequency
0
50
100
150
10.5
11.0
11.5
12.0
12.5
13.0
13.5
14.0
log2−scaled data
Cathepsin Z

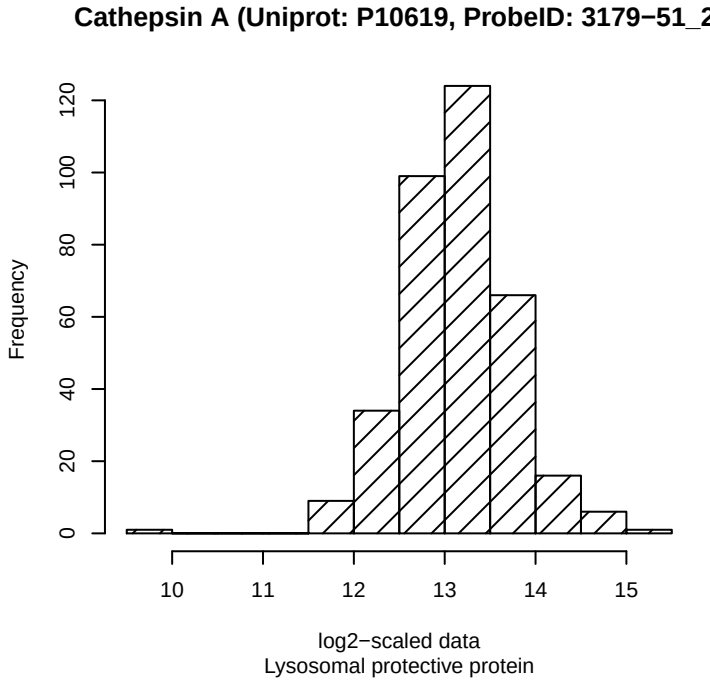

CATZ (Uniprot: Q9UBR2, ProbeID: 4971−1_1)
log2−scaled data
10.5
11.0
11.5
12.0
12.5
13.0
13.5
C/C (139)
C/A (155)
A/A (59)
rs10860794 (Chr12:102217720)
Locus 335 top sentinel (tags KORA rs10860794), p=0.14, FC=−1.027

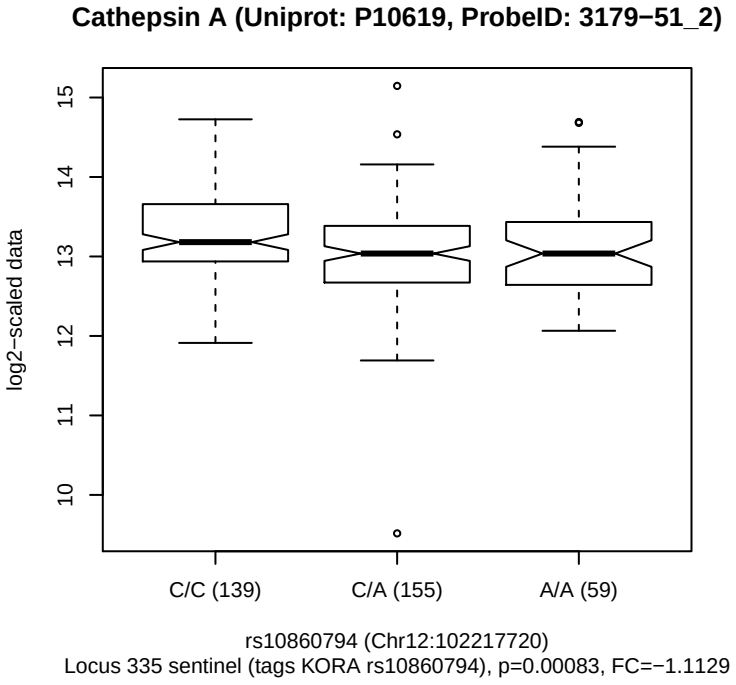

CATZ (Uniprot: Q9UBR2, ProbeID: 4971−1_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Cathepsin Z

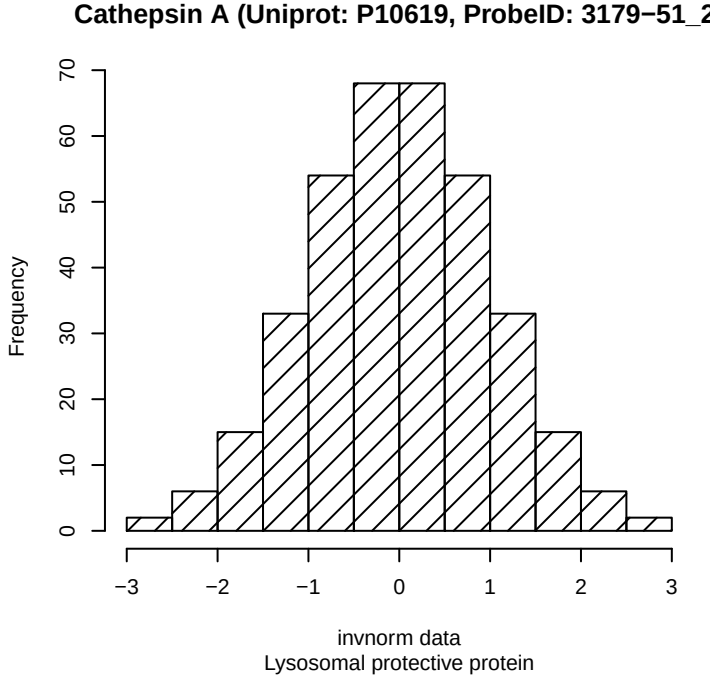

CATZ (Uniprot: Q9UBR2, ProbeID: 4971−1_1)
invnorm data
−2
−1
0
1
2
C/C (139)
C/A (155)
A/A (59)
rs10860794 (Chr12:102217720)
Locus 335 top sentinel (tags KORA rs10860794), p=0.089

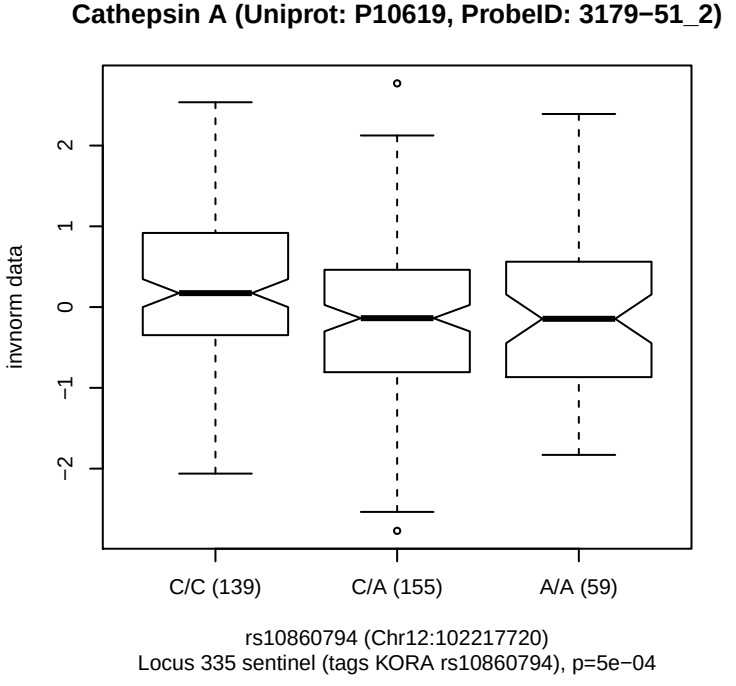

Cathepsin A (Uniprot: P10619, ProbeID: 3179−51_2)
Frequency
0
50
100
150
200
0
10000
20000
30000
40000
raw data
Lysosomal protective protein

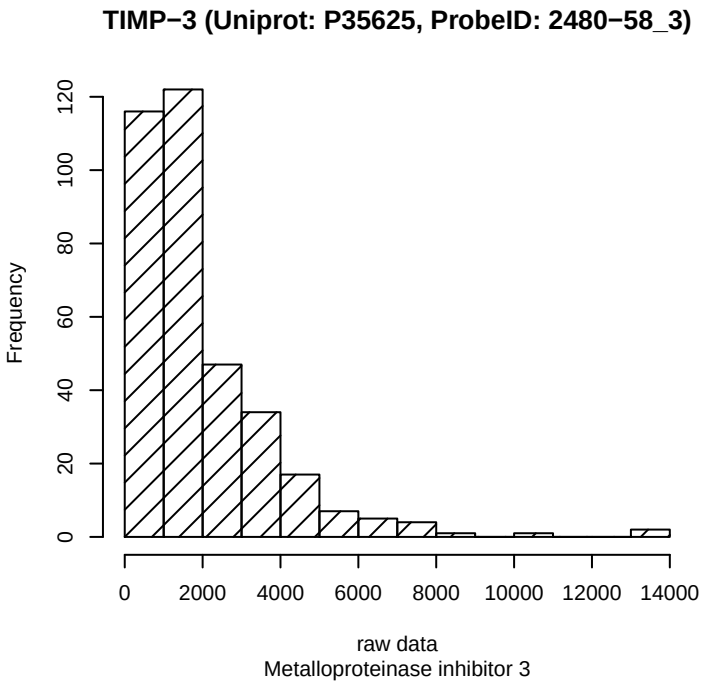

Cathepsin A (Uniprot: P10619, ProbeID: 3179−51_2)
raw data
0
5000
15000
25000
35000
C/C (139)
C/A (155)
A/A (59)
rs10860794 (Chr12:102217720)
Locus 335 sentinel (tags KORA rs10860794), p=0.0053

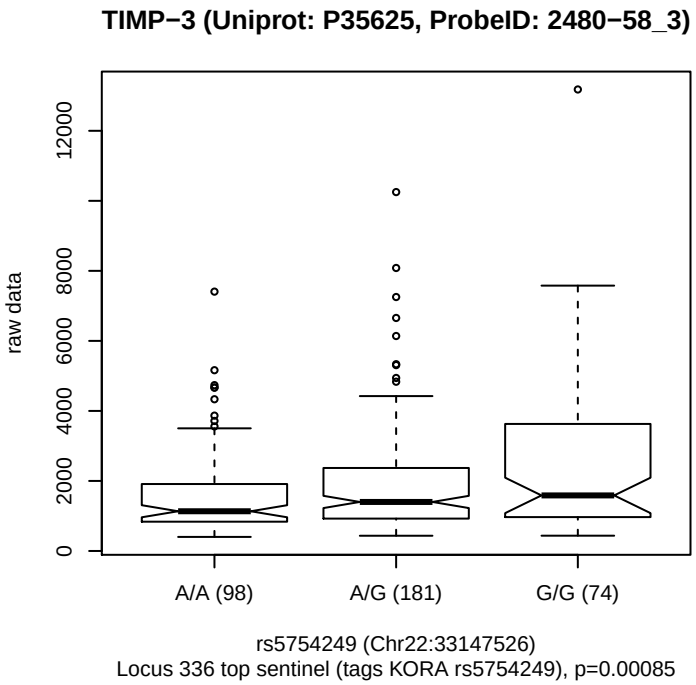

Cathepsin A (Uniprot: P10619, ProbeID: 3179−51_2)
Frequency
0
20
40
60
80
100
120
10
11
12
13
14
15
log2−scaled data
Lysosomal protective protein

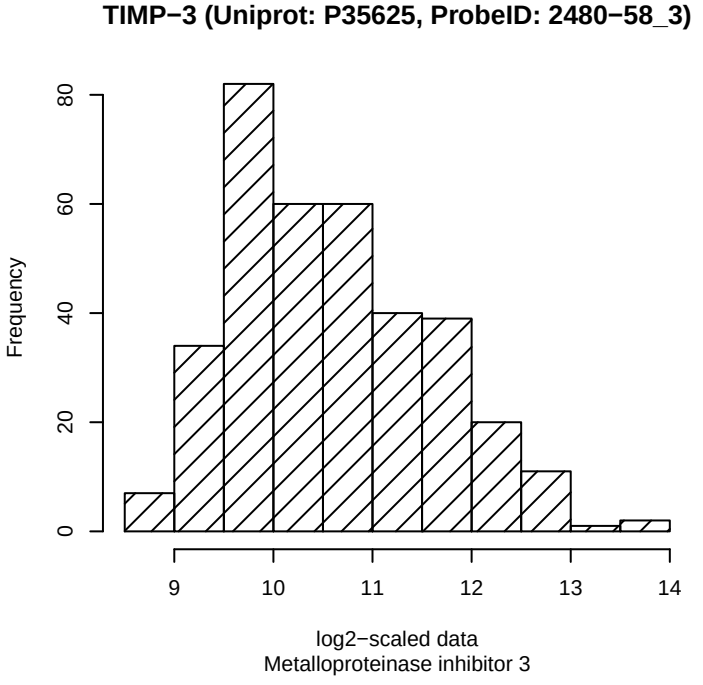

Cathepsin A (Uniprot: P10619, ProbeID: 3179−51_2)
log2−scaled data
10
11
12
13
14
15
C/C (139)
C/A (155)
A/A (59)
rs10860794 (Chr12:102217720)
Locus 335 sentinel (tags KORA rs10860794), p=0.00083, FC=−1.1129

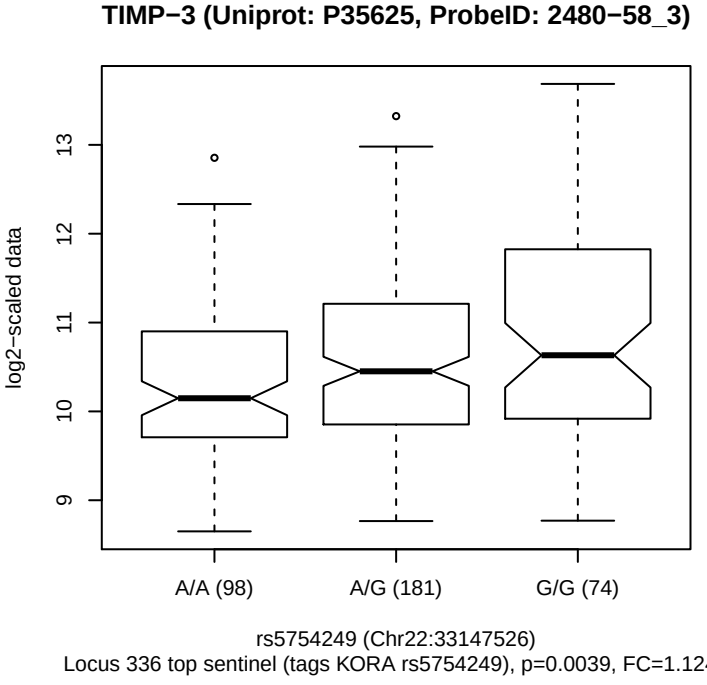

Cathepsin A (Uniprot: P10619, ProbeID: 3179−51_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Lysosomal protective protein

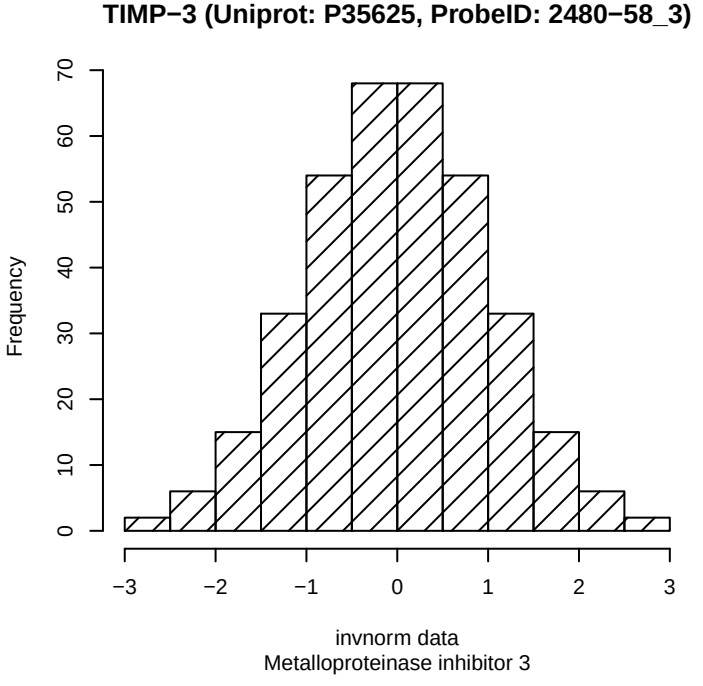

Cathepsin A (Uniprot: P10619, ProbeID: 3179−51_2)
invnorm data
−2
−1
0
1
2
C/C (139)
C/A (155)
A/A (59)
rs10860794 (Chr12:102217720)
Locus 335 sentinel (tags KORA rs10860794), p=5e−04

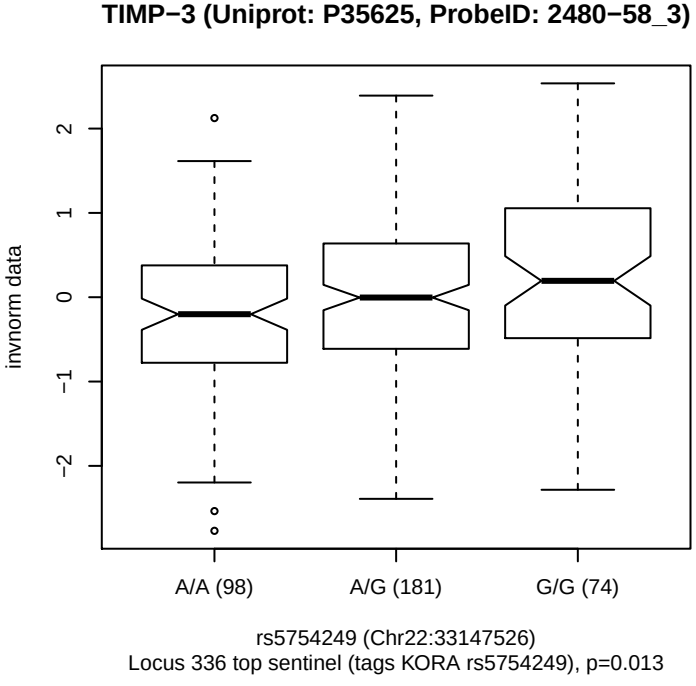

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
Frequency
0
20
40
60
80
100
120
0
2000
4000
6000
8000
10000
12000
14000
raw data
Metalloproteinase inhibitor 3

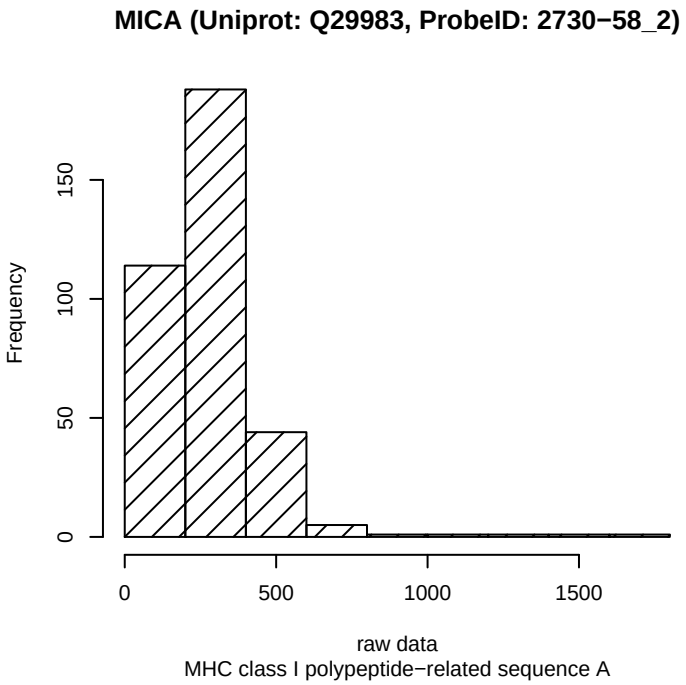

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
raw data
0
2000
4000
6000
8000
12000
A/A (98)
A/G (181)
G/G (74)
rs5754249 (Chr22:33147526)
Locus 336 top sentinel (tags KORA rs5754249), p=0.00085

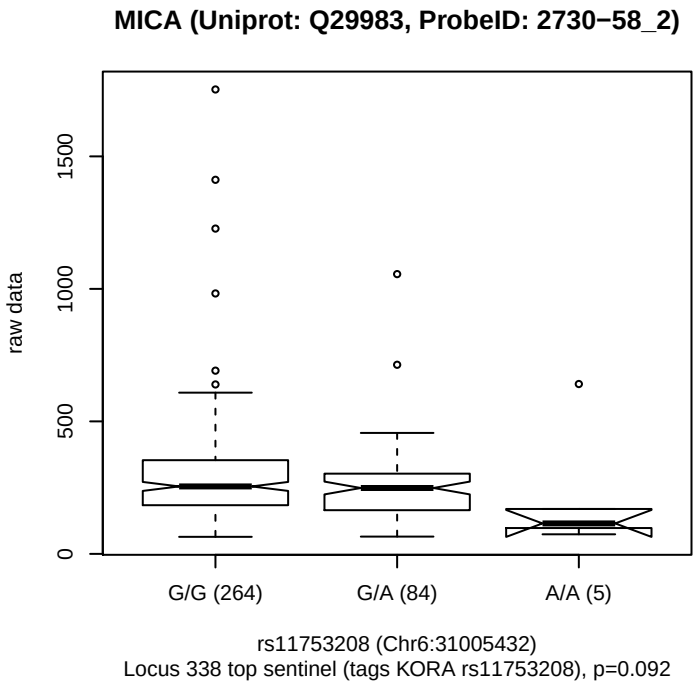

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
Frequency
0
20
40
60
80
9
10
11
12
13
14
log2−scaled data
Metalloproteinase inhibitor 3

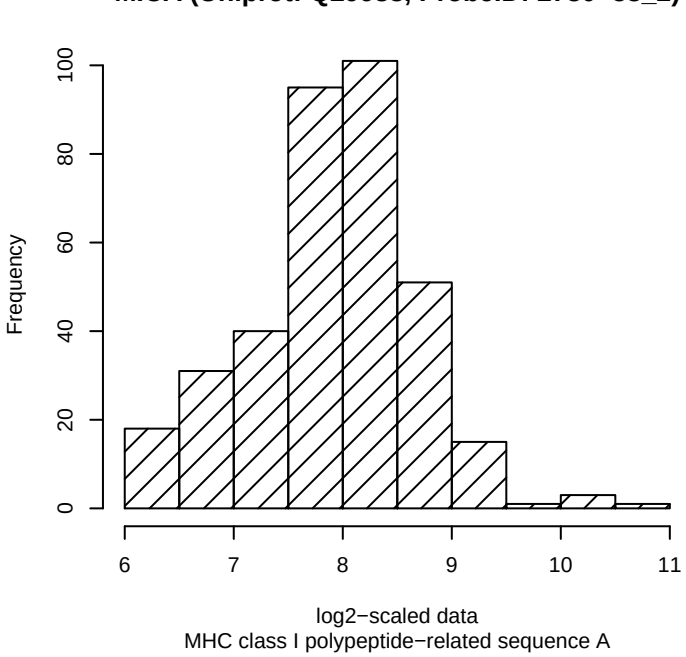

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
log2−scaled data
9
10
11
12
13
A/A (98)
A/G (181)
G/G (74)
rs5754249 (Chr22:33147526)
Locus 336 top sentinel (tags KORA rs5754249), p=0.0039, FC=1.1242

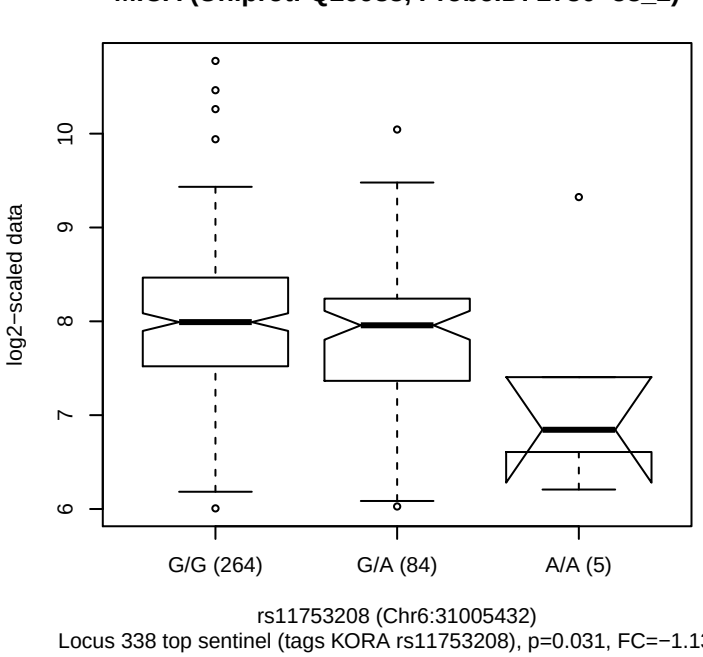

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Metalloproteinase inhibitor 3

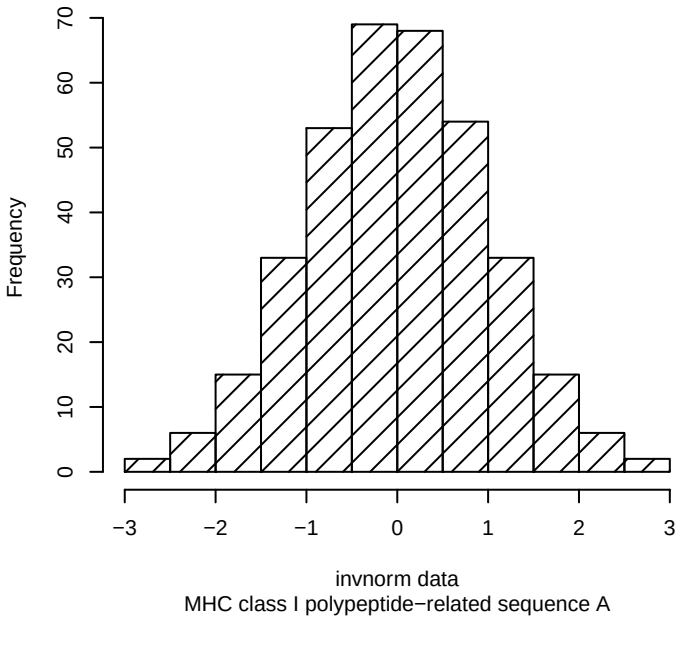

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
invnorm data
−2
−1
0
1
2
A/A (98)
A/G (181)
G/G (74)
rs5754249 (Chr22:33147526)
Locus 336 top sentinel (tags KORA rs5754249), p=0.013

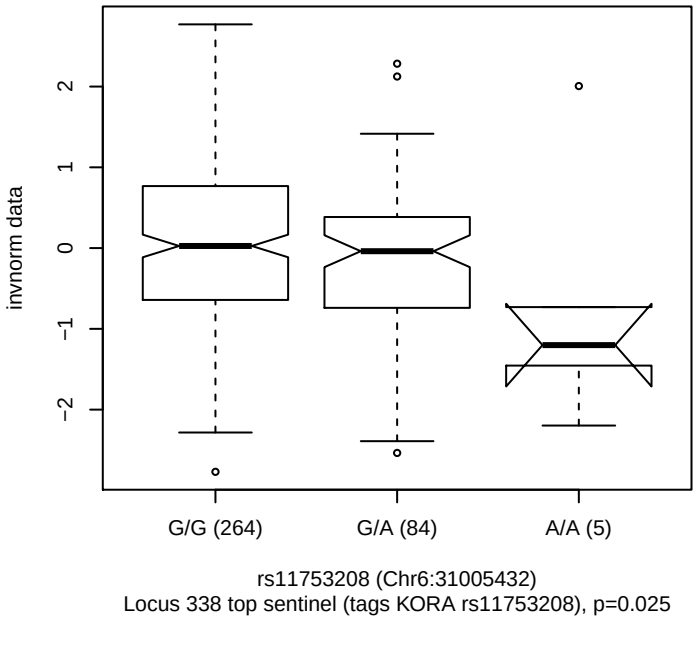

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
0
500
1000
1500
raw data
MHC class I polypeptide−related sequence A

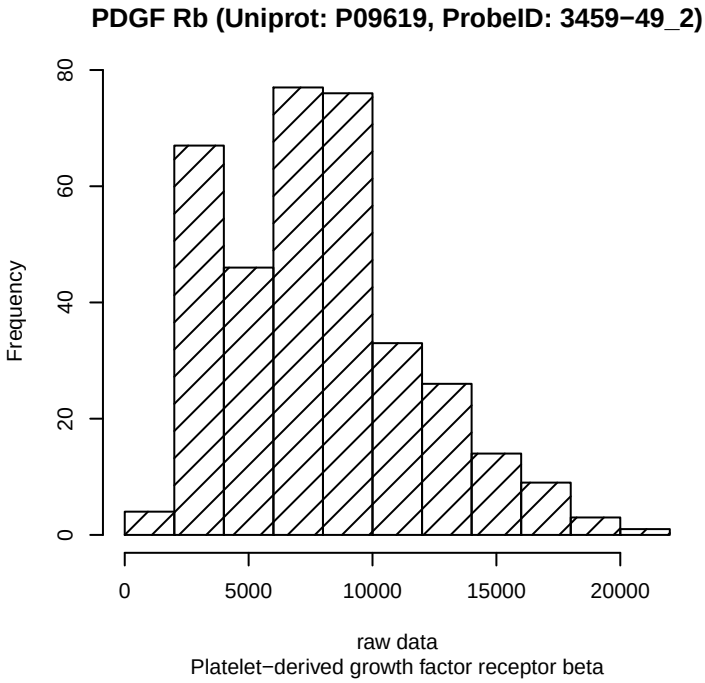

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
raw data
0
500
1000
1500
G/G (264)
G/A (84)
A/A (5)
rs11753208 (Chr6:31005432)
Locus 338 top sentinel (tags KORA rs11753208), p=0.092

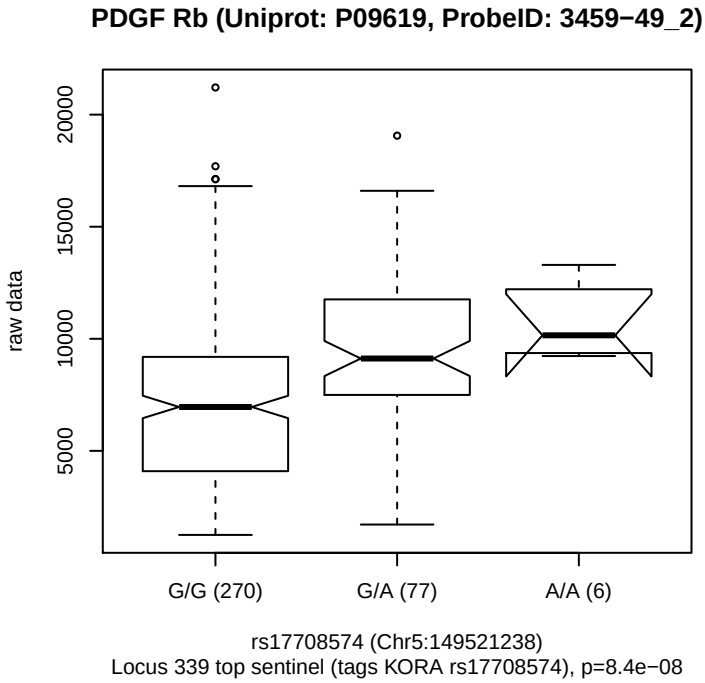

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
20
40
60
80
100
6
7
8
9
10
11
log2−scaled data
MHC class I polypeptide−related sequence A

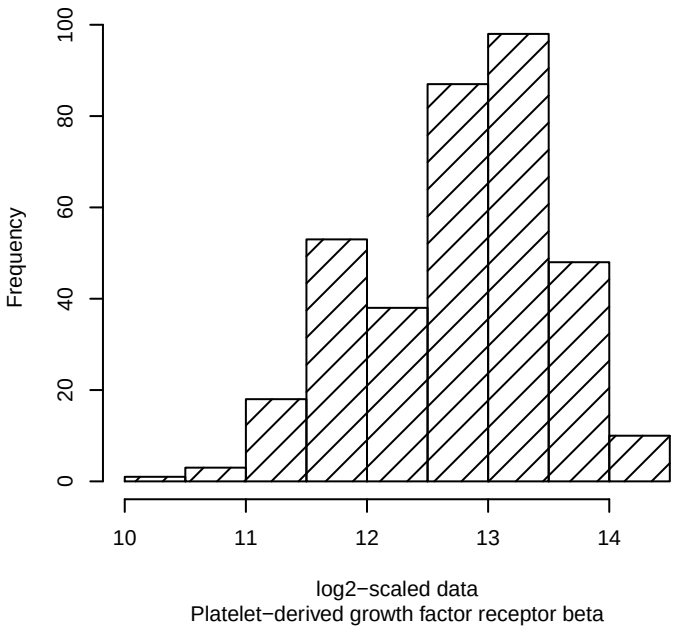

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
log2−scaled data
6
7
8
9
10
G/G (264)
G/A (84)
A/A (5)
rs11753208 (Chr6:31005432)
Locus 338 top sentinel (tags KORA rs11753208), p=0.031, FC=−1.1372

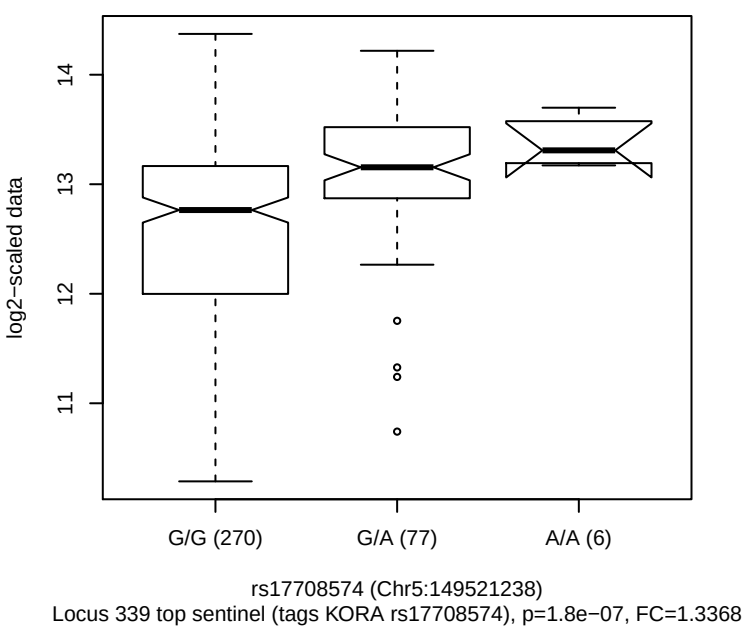

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence A

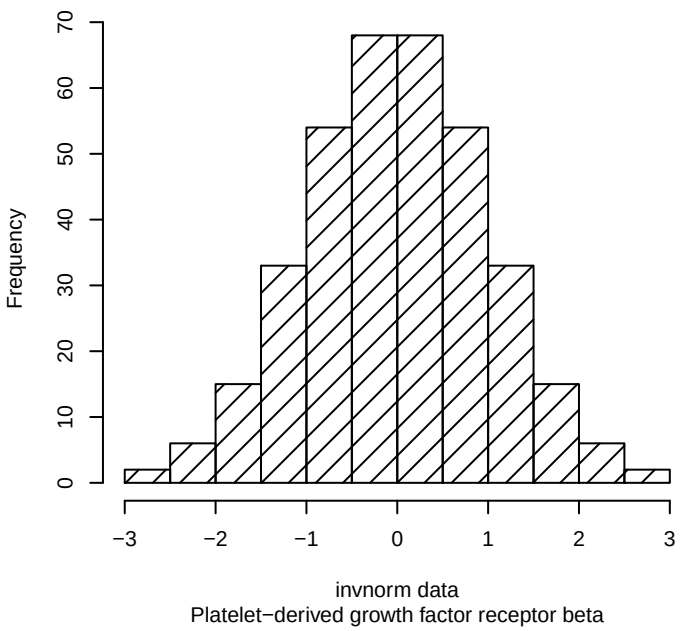

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
invnorm data
−2
−1
0
1
2
G/G (264)
G/A (84)
A/A (5)
rs11753208 (Chr6:31005432)
Locus 338 top sentinel (tags KORA rs11753208), p=0.025

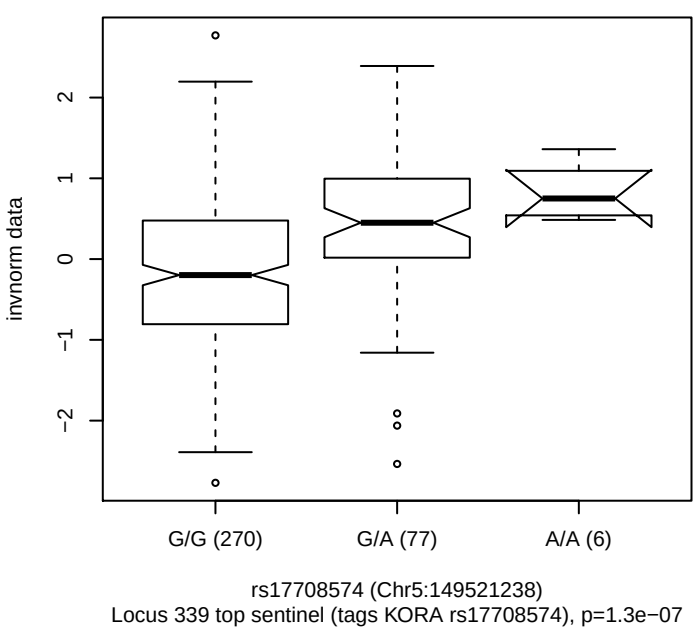

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
Frequency
0
20
40
60
80
0
5000
10000
15000
20000
raw data
Platelet−derived growth factor receptor beta

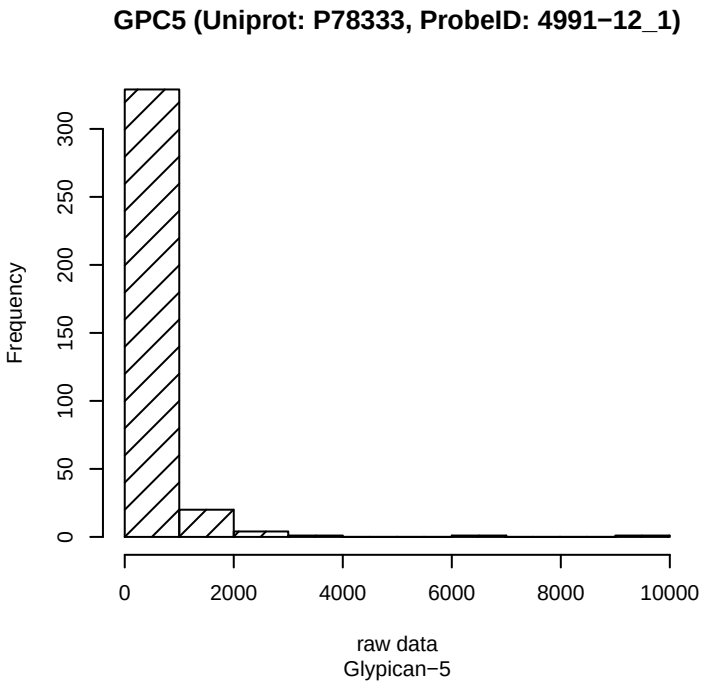

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
raw data
5000
10000
15000
20000
G/G (270)
G/A (77)
A/A (6)
rs17708574 (Chr5:149521238)
Locus 339 top sentinel (tags KORA rs17708574), p=8.4e−08

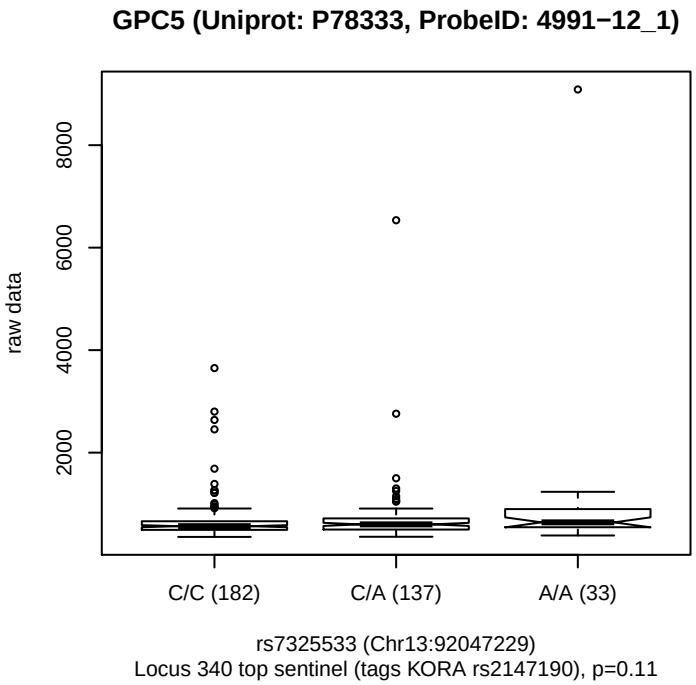

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
Frequency
0
20
40
60
80
100
10
11
12
13
14
log2−scaled data
Platelet−derived growth factor receptor beta

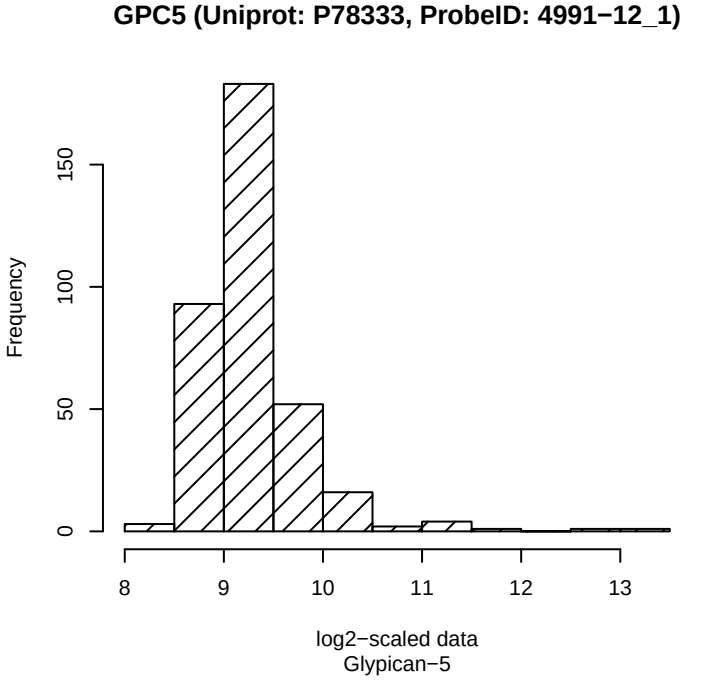

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
log2−scaled data
11
12
13
14
G/G (270)
G/A (77)
A/A (6)
rs17708574 (Chr5:149521238)
Locus 339 top sentinel (tags KORA rs17708574), p=1.8e−07, FC=1.3368

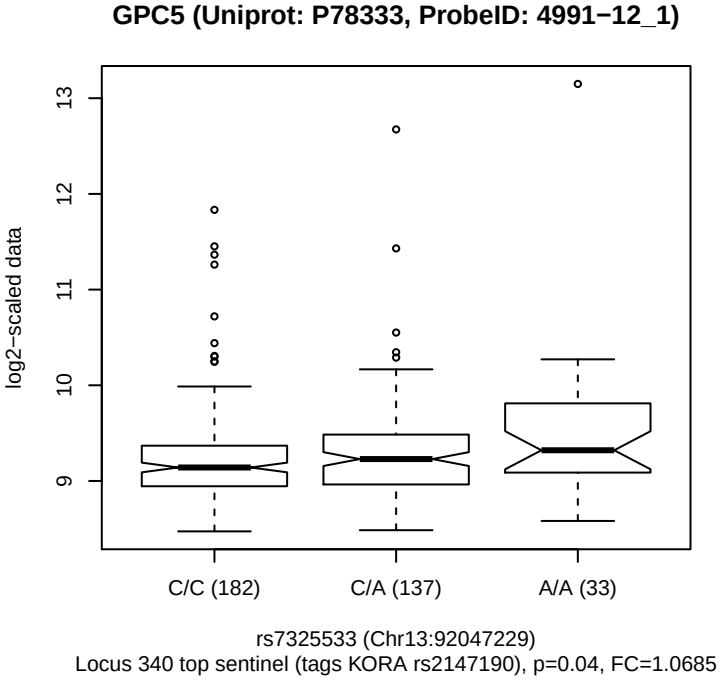

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Platelet−derived growth factor receptor beta

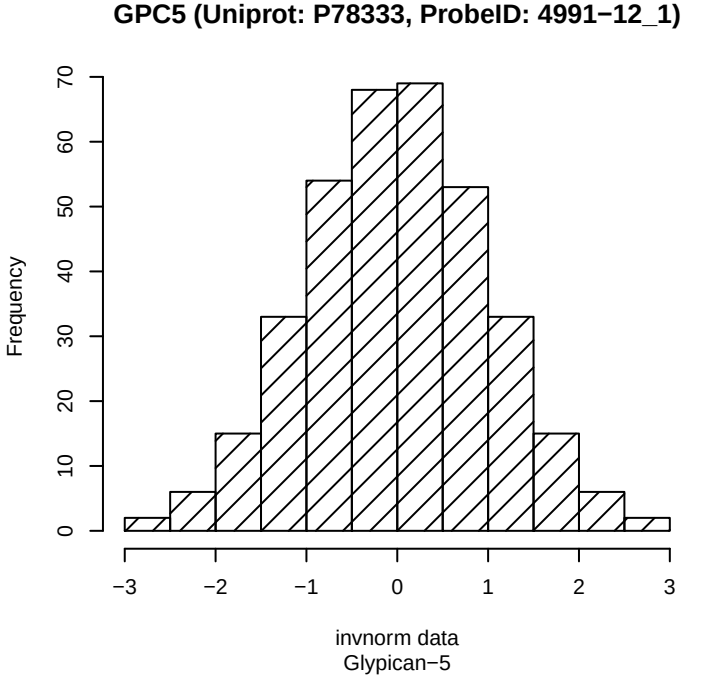

PDGF Rb (Uniprot: P09619, ProbeID: 3459−49_2)
invnorm data
−2
−1
0
1
2
G/G (270)
G/A (77)
A/A (6)
rs17708574 (Chr5:149521238)
Locus 339 top sentinel (tags KORA rs17708574), p=1.3e−07

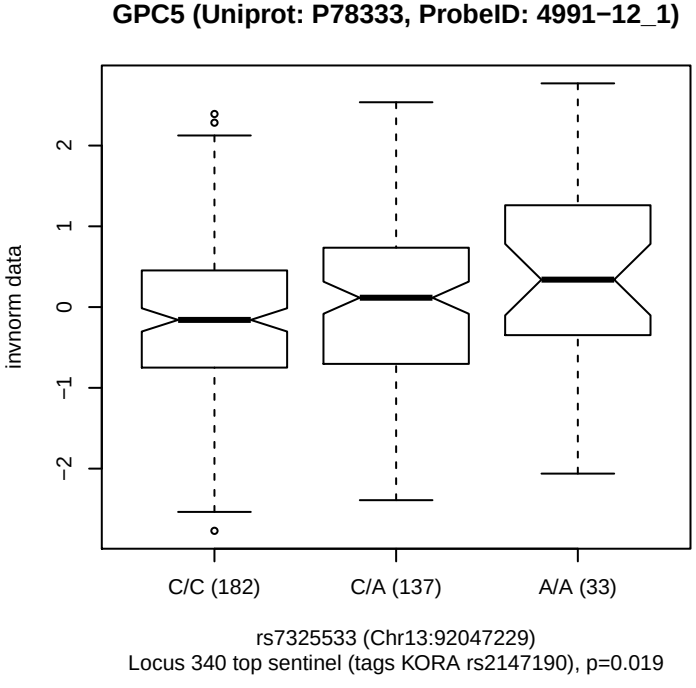

GPC5 (Uniprot: P78333, ProbeID: 4991−12_1)
Frequency
0
50
100
150
200
250
300
0
2000
4000
6000
8000
10000
raw data
Glypican−5

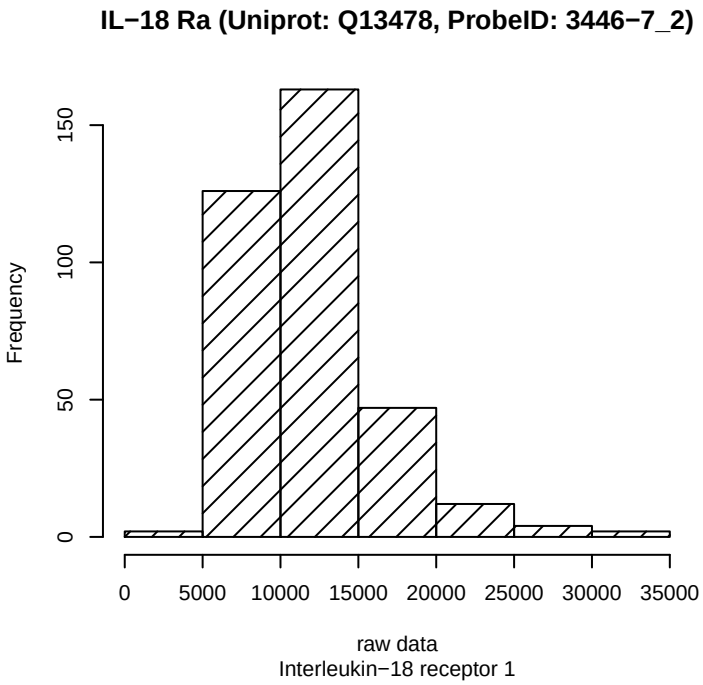

GPC5 (Uniprot: P78333, ProbeID: 4991−12_1)
raw data
2000
4000
6000
8000
C/C (182)
C/A (137)
A/A (33)
rs7325533 (Chr13:92047229)
Locus 340 top sentinel (tags KORA rs2147190), p=0.11

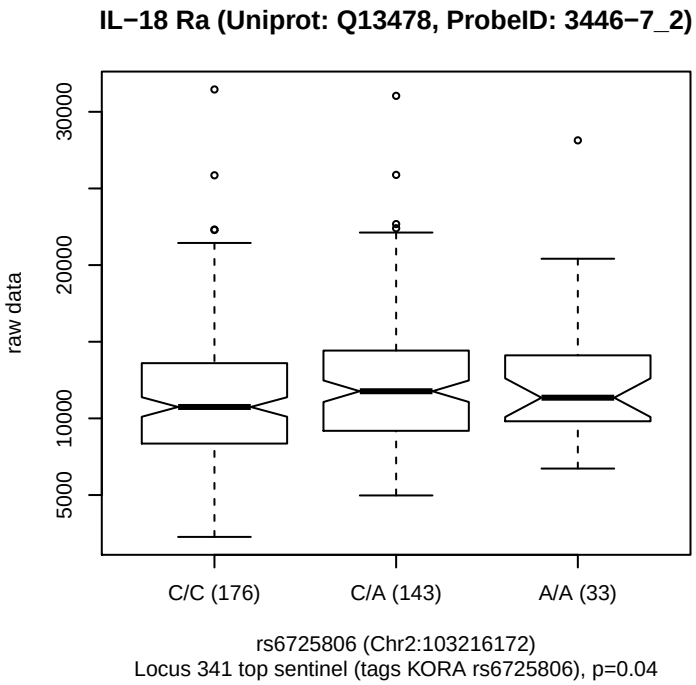

GPC5 (Uniprot: P78333, ProbeID: 4991−12_1)
Frequency
0
50
100
150
8
9
10
11
12
13
log2−scaled data
Glypican−5

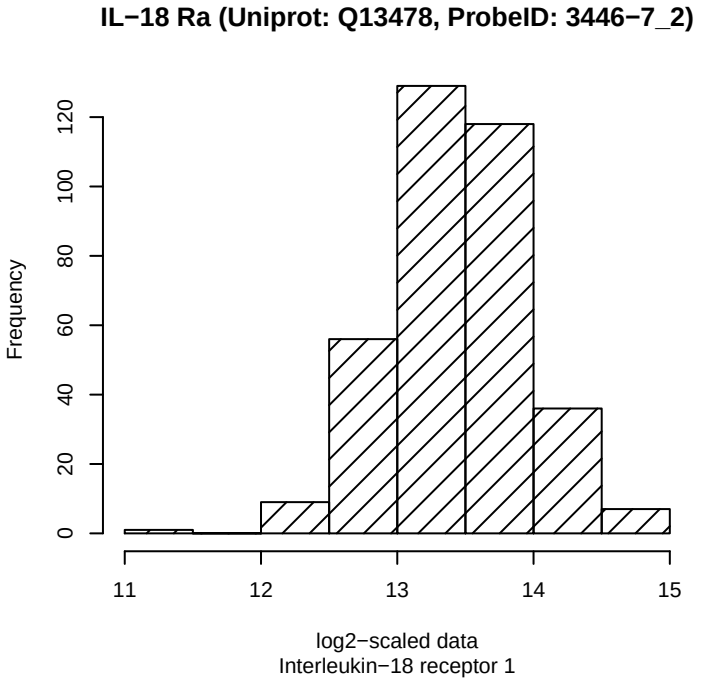

GPC5 (Uniprot: P78333, ProbeID: 4991−12_1)
log2−scaled data
9
10
11
12
13
C/C (182)
C/A (137)
A/A (33)
rs7325533 (Chr13:92047229)
Locus 340 top sentinel (tags KORA rs2147190), p=0.04, FC=1.0685

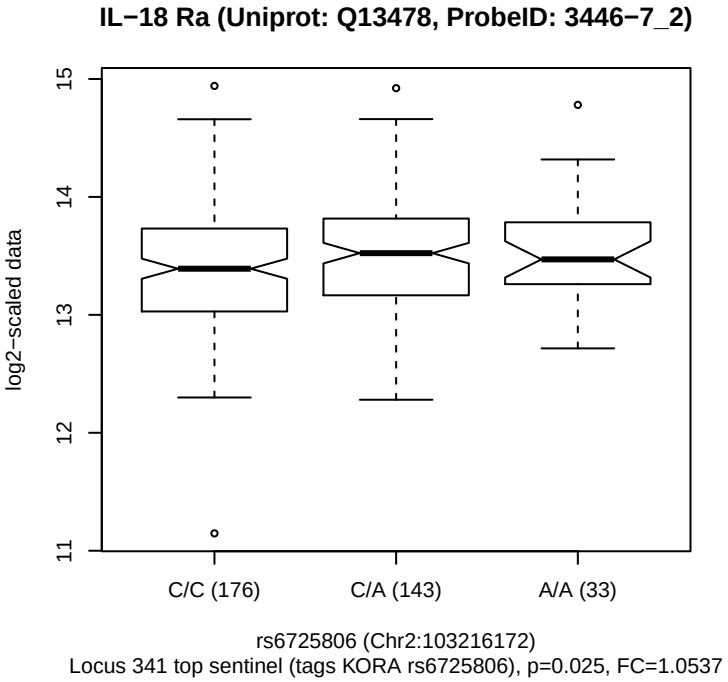

GPC5 (Uniprot: P78333, ProbeID: 4991−12_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Glypican−5

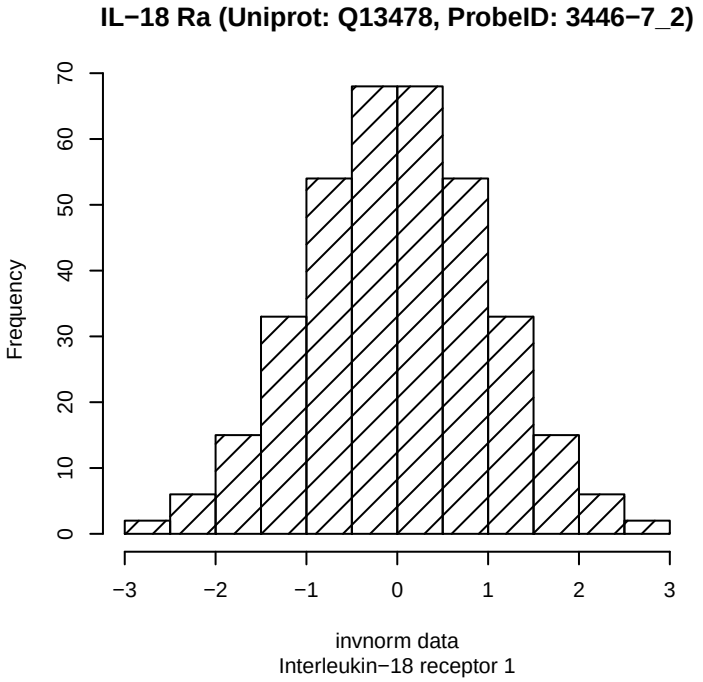

GPC5 (Uniprot: P78333, ProbeID: 4991−12_1)
invnorm data
−2
−1
0
1
2
C/C (182)
C/A (137)
A/A (33)
rs7325533 (Chr13:92047229)
Locus 340 top sentinel (tags KORA rs2147190), p=0.019

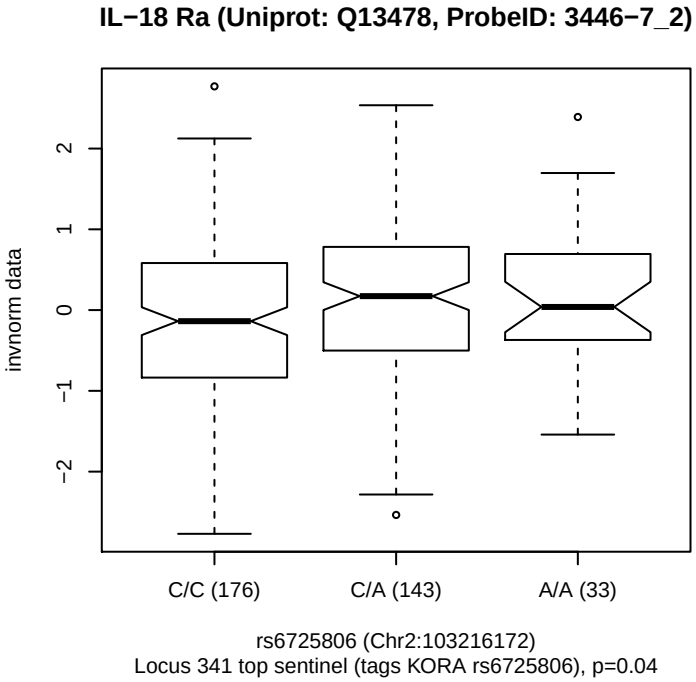

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
Frequency
0
50
100
150
0
5000
10000
15000
20000
25000
30000
35000
raw data
Interleukin−18 receptor 1

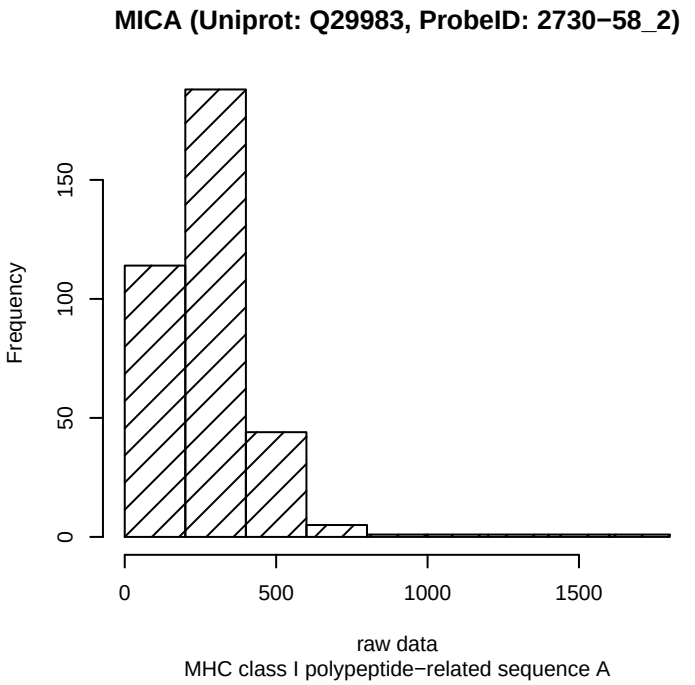

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
raw data
5000
10000
20000
30000
C/C (176)
C/A (143)
A/A (33)
rs6725806 (Chr2:103216172)
Locus 341 top sentinel (tags KORA rs6725806), p=0.04

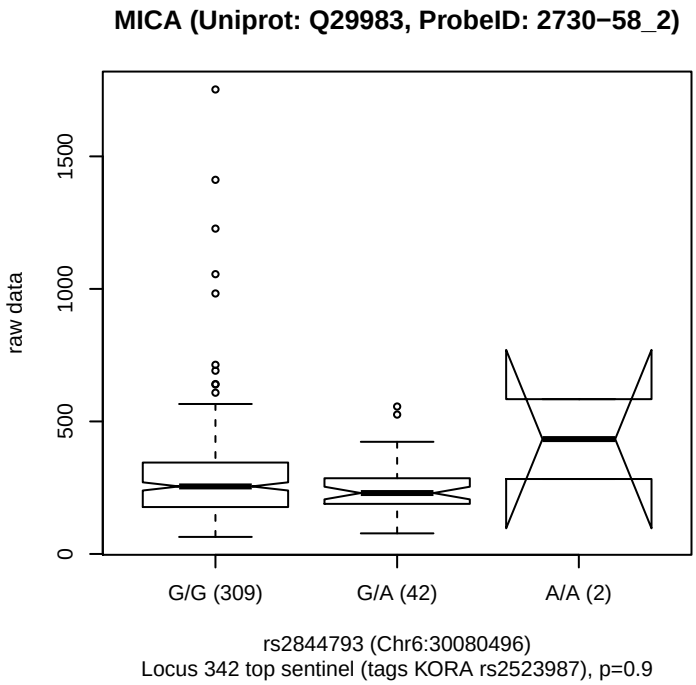

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
Frequency
0
20
40
60
80
100
120
11
12
13
14
15
log2−scaled data
Interleukin−18 receptor 1

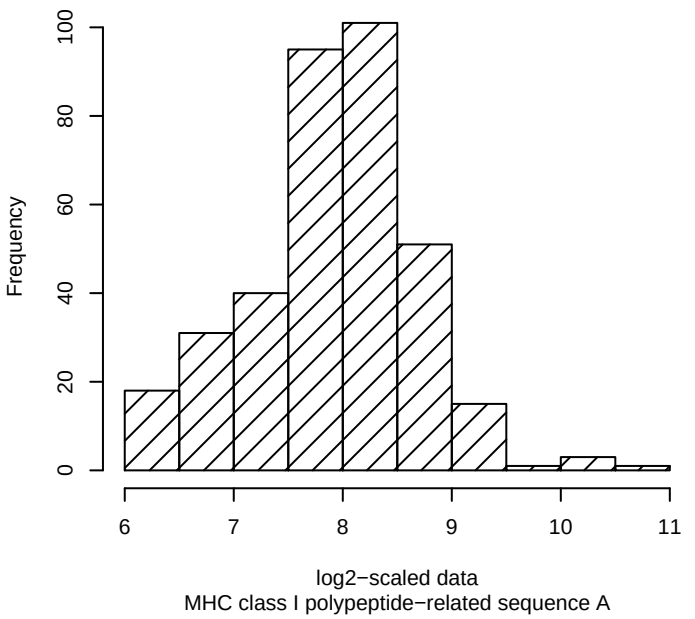

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
log2−scaled data
11
12
13
14
15
C/C (176)
C/A (143)
A/A (33)
rs6725806 (Chr2:103216172)
Locus 341 top sentinel (tags KORA rs6725806), p=0.025, FC=1.0537

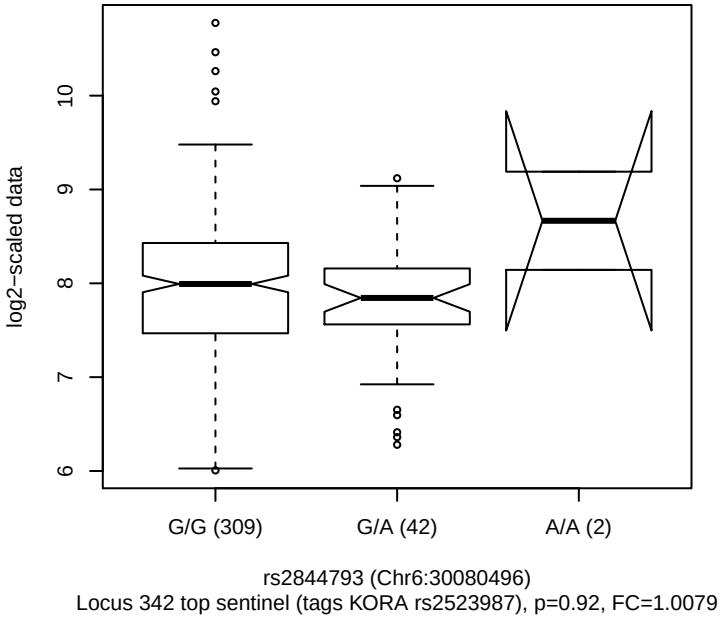

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−18 receptor 1

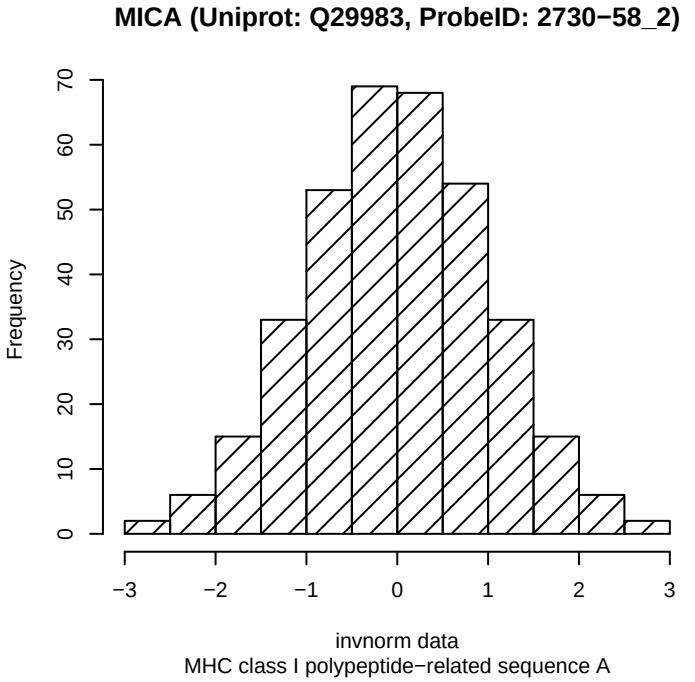

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
invnorm data
−2
−1
0
1
2
C/C (176)
C/A (143)
A/A (33)
rs6725806 (Chr2:103216172)
Locus 341 top sentinel (tags KORA rs6725806), p=0.04

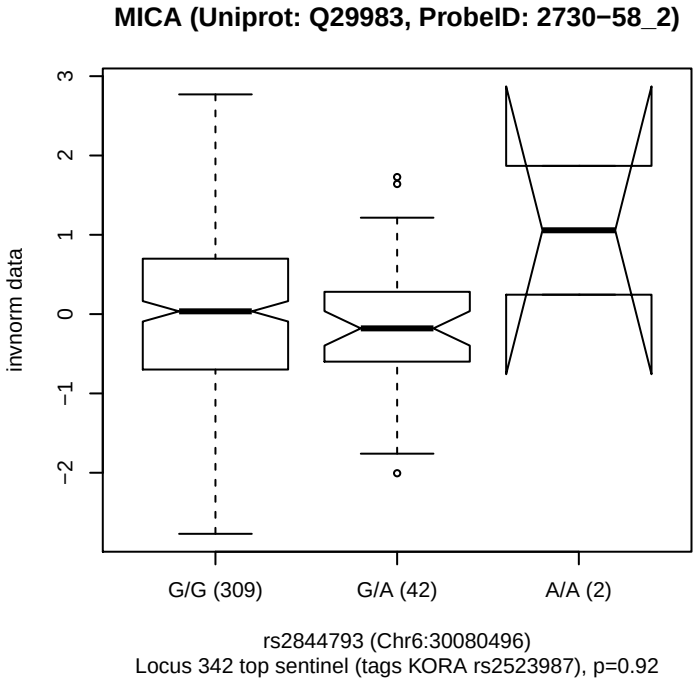

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
0
500
1000
1500
raw data
MHC class I polypeptide−related sequence A

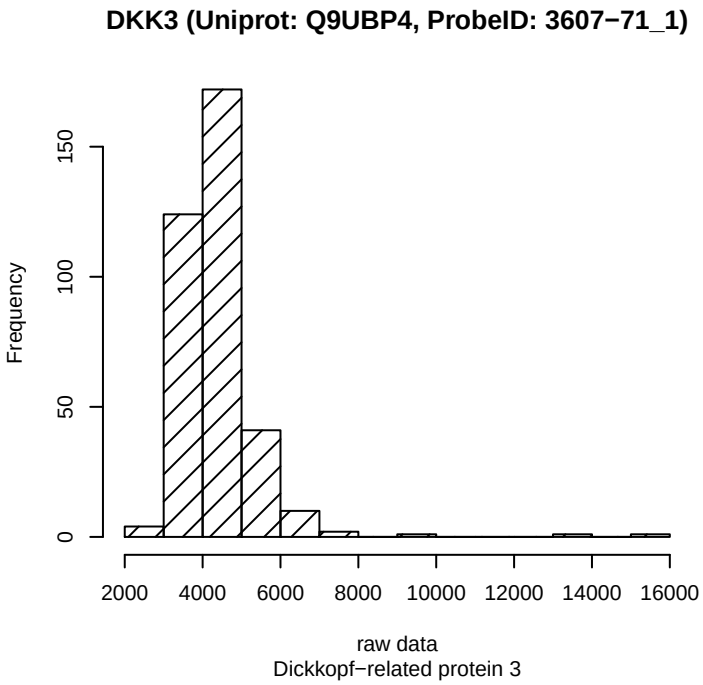

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
raw data
0
500
1000
1500
G/G (309)
G/A (42)
A/A (2)
rs2844793 (Chr6:30080496)
Locus 342 top sentinel (tags KORA rs2523987), p=0.9

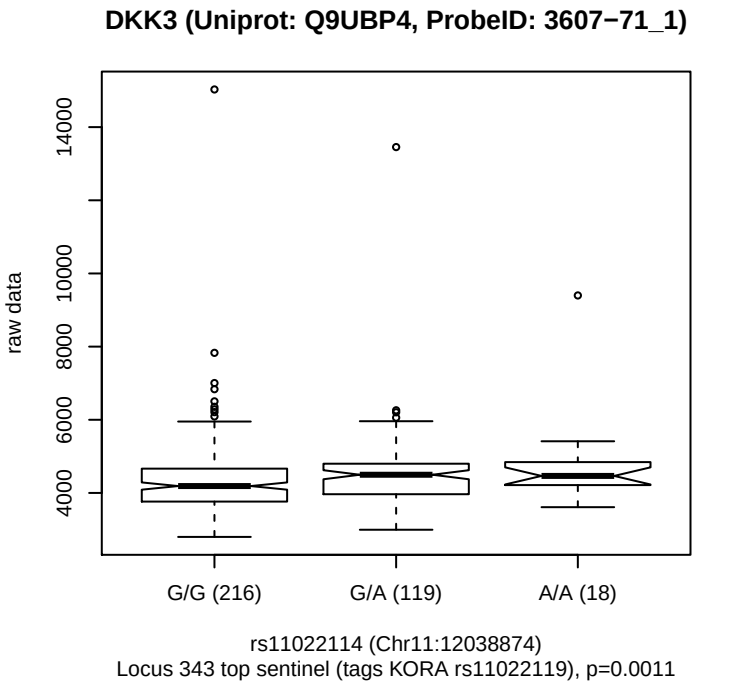

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
20
40
60
80
100
6
7
8
9
10
11
log2−scaled data
MHC class I polypeptide−related sequence A

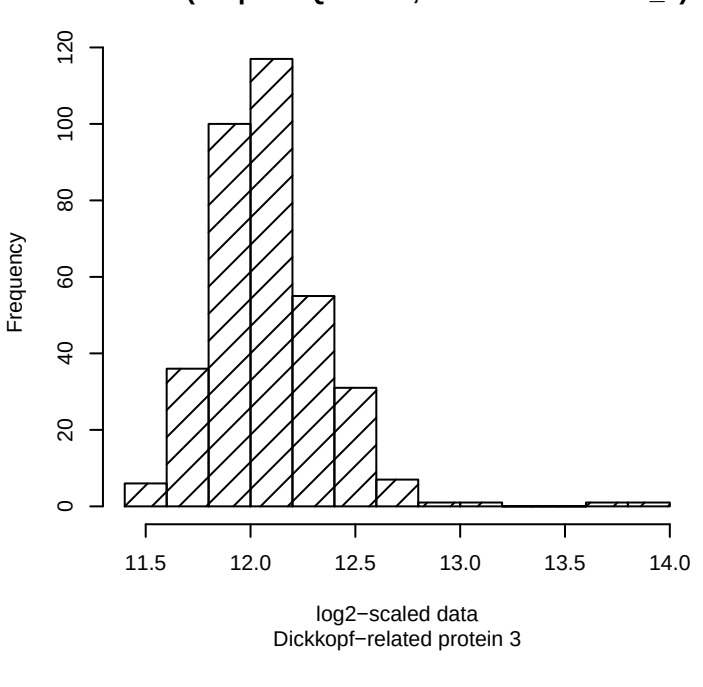

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
log2−scaled data
6
7
8
9
10
G/G (309)
G/A (42)
A/A (2)
rs2844793 (Chr6:30080496)
Locus 342 top sentinel (tags KORA rs2523987), p=0.92, FC=1.0079

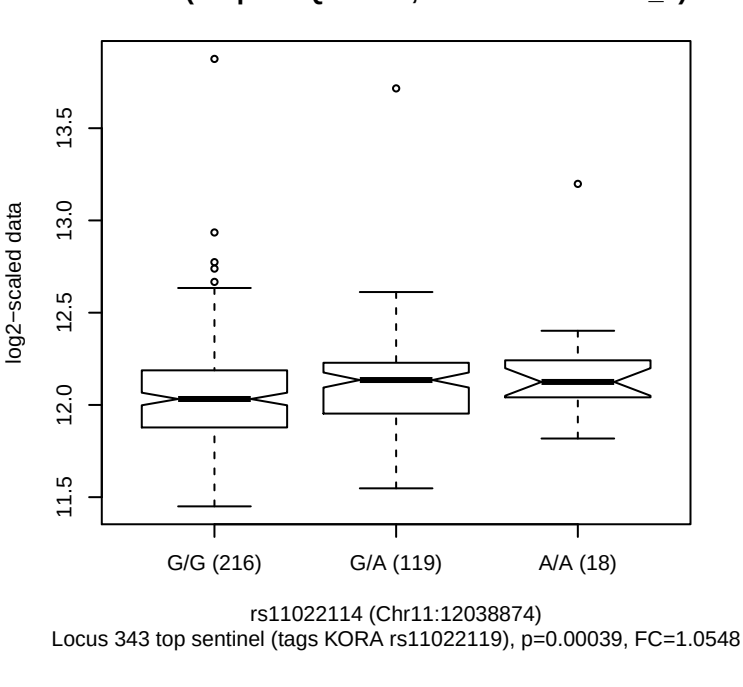

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence A

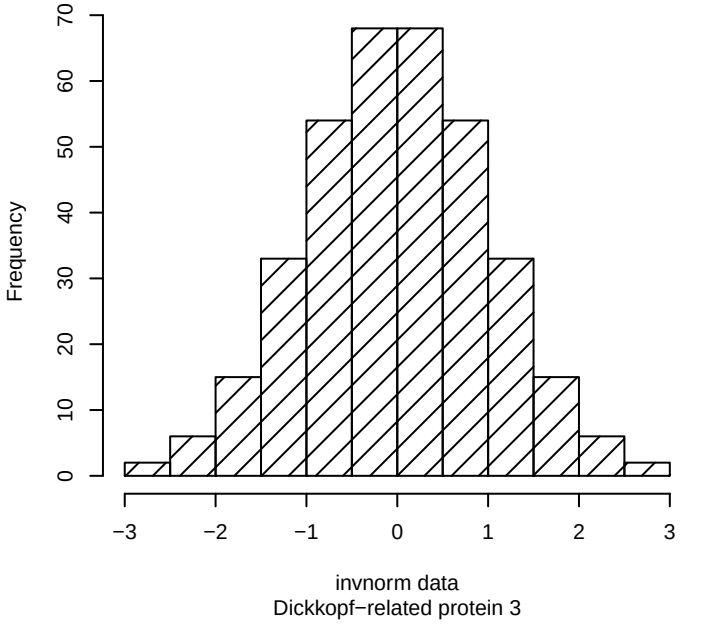

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
invnorm data
−2
−1
0
1
2
3
G/G (309)
G/A (42)
A/A (2)
rs2844793 (Chr6:30080496)
Locus 342 top sentinel (tags KORA rs2523987), p=0.92

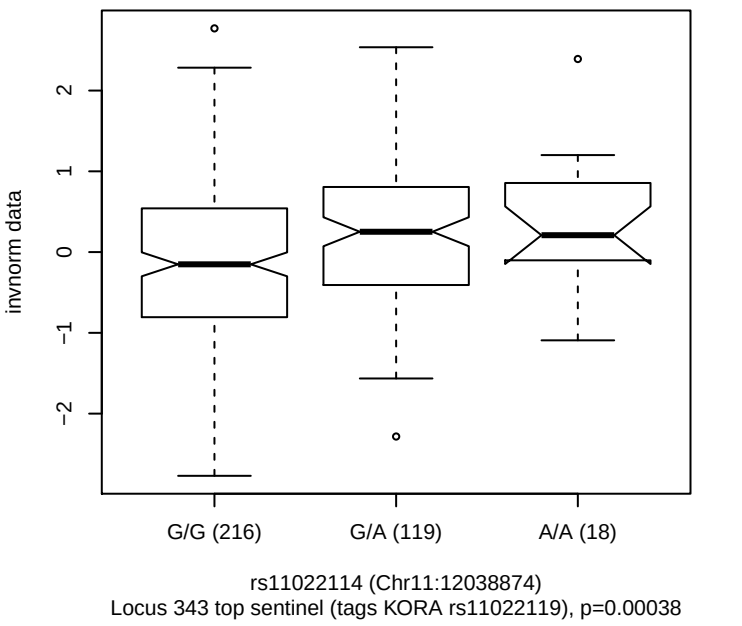

DKK3 (Uniprot: Q9UBP4, ProbeID: 3607−71_1)
Frequency
0
50
100
150
2000
4000
6000
8000
10000
12000
14000
16000
raw data
Dickkopf−related protein 3

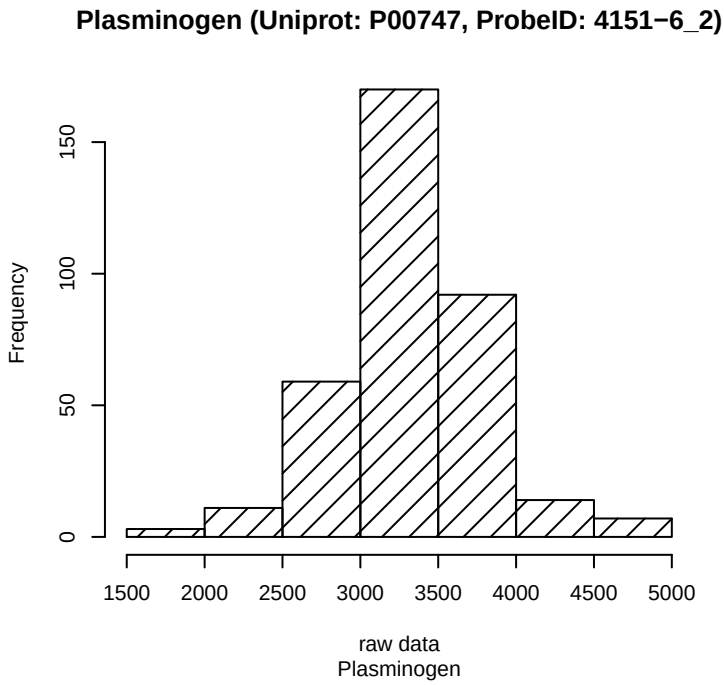

DKK3 (Uniprot: Q9UBP4, ProbeID: 3607−71_1)
raw data
4000
6000
8000
10000
14000
G/G (216)
G/A (119)
A/A (18)
rs11022114 (Chr11:12038874)
Locus 343 top sentinel (tags KORA rs11022119), p=0.0011

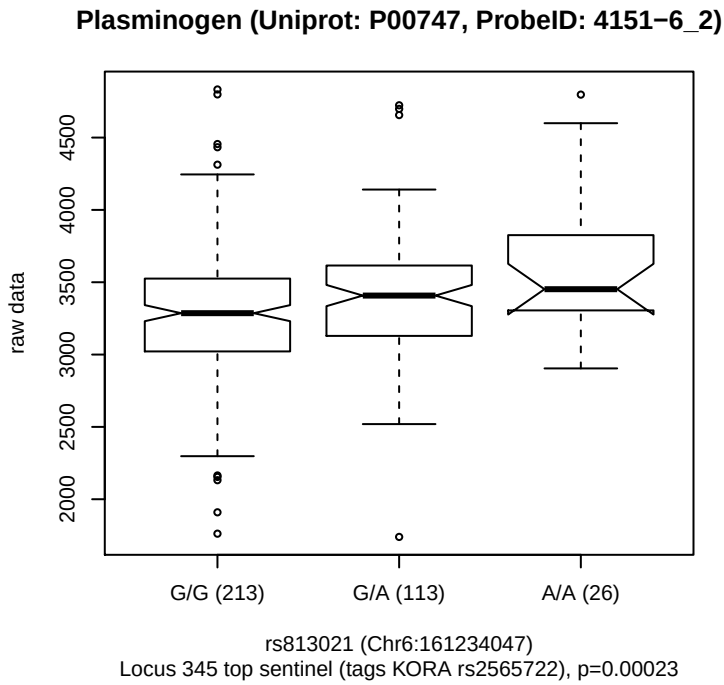

DKK3 (Uniprot: Q9UBP4, ProbeID: 3607−71_1)
Frequency
0
20
40
60
80
100
120
11.5
12.0
12.5
13.0
13.5
14.0
log2−scaled data
Dickkopf−related protein 3

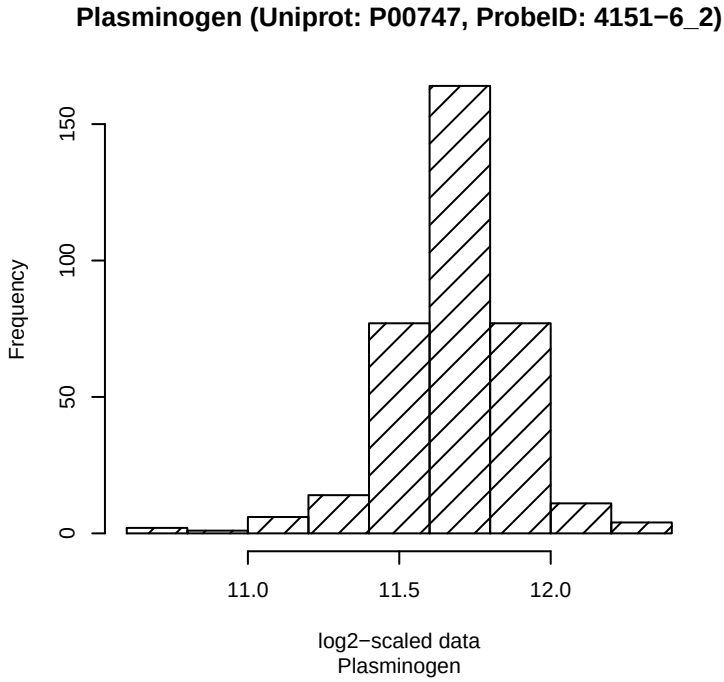

DKK3 (Uniprot: Q9UBP4, ProbeID: 3607−71_1)
log2−scaled data
11.5
12.0
12.5
13.0
13.5
G/G (216)
G/A (119)
A/A (18)
rs11022114 (Chr11:12038874)
Locus 343 top sentinel (tags KORA rs11022119), p=0.00039, FC=1.0548

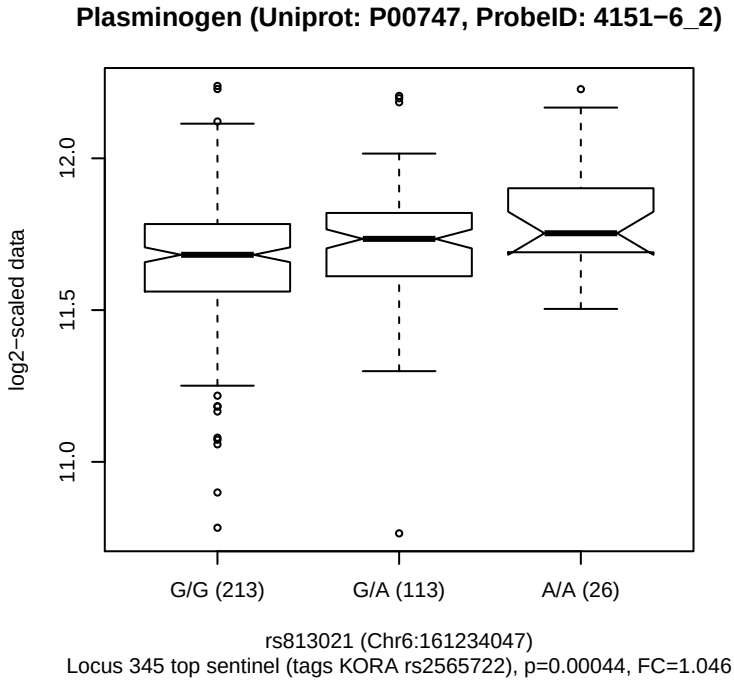

DKK3 (Uniprot: Q9UBP4, ProbeID: 3607−71_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Dickkopf−related protein 3

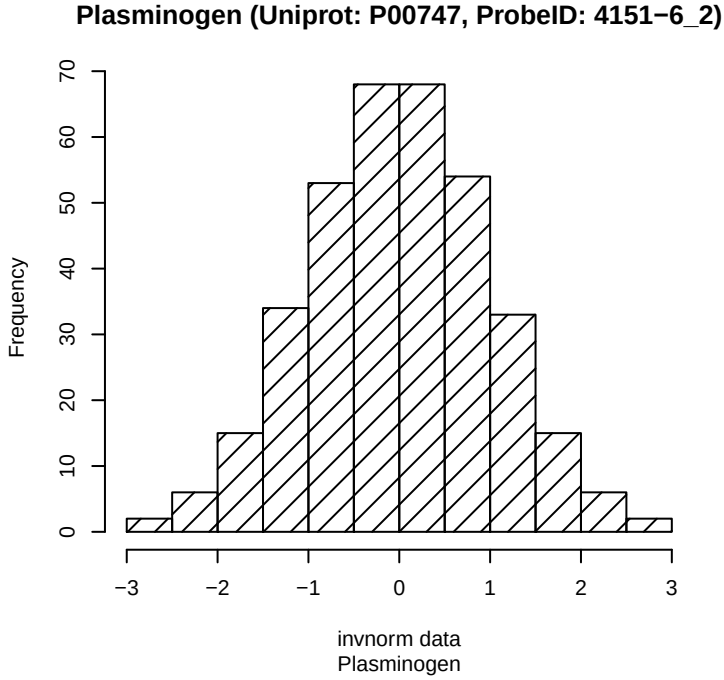

DKK3 (Uniprot: Q9UBP4, ProbeID: 3607−71_1)
invnorm data
−2
−1
0
1
2
G/G (216)
G/A (119)
A/A (18)
rs11022114 (Chr11:12038874)
Locus 343 top sentinel (tags KORA rs11022119), p=0.00038

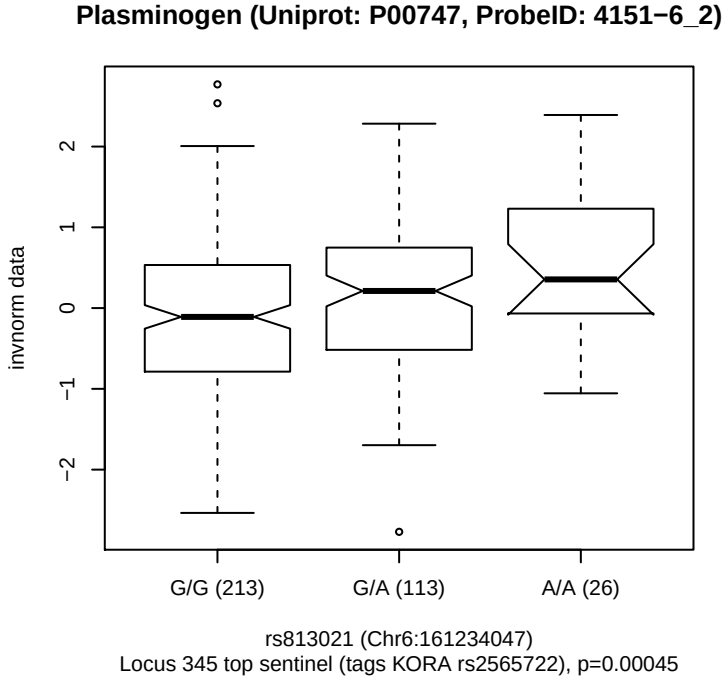

Plasminogen (Uniprot: P00747, ProbeID: 4151−6_2)
Frequency
0
50
100
150
1500
2000
2500
3000
3500
4000
4500
5000
raw data
Plasminogen

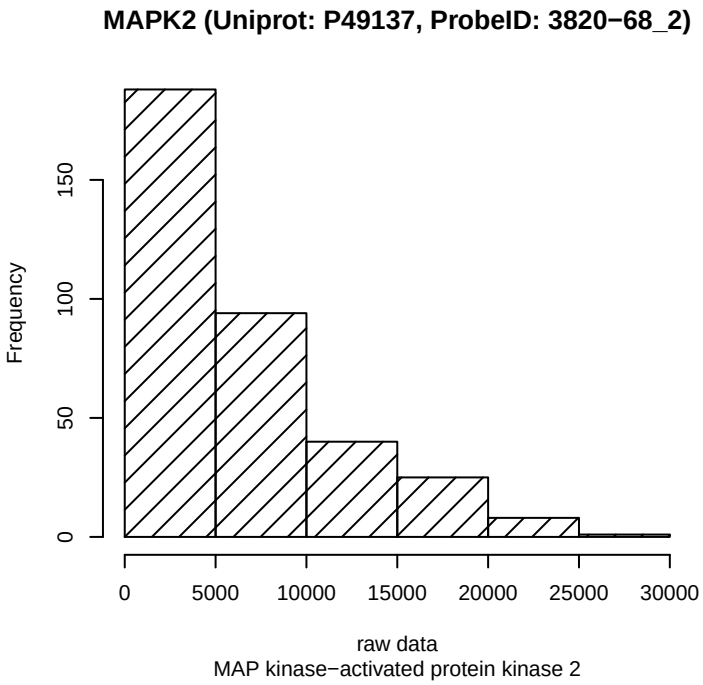

Plasminogen (Uniprot: P00747, ProbeID: 4151−6_2)
raw data
2000
2500
3000
3500
4000
4500
G/G (213)
G/A (113)
A/A (26)
rs813021 (Chr6:161234047)
Locus 345 top sentinel (tags KORA rs2565722), p=0.00023

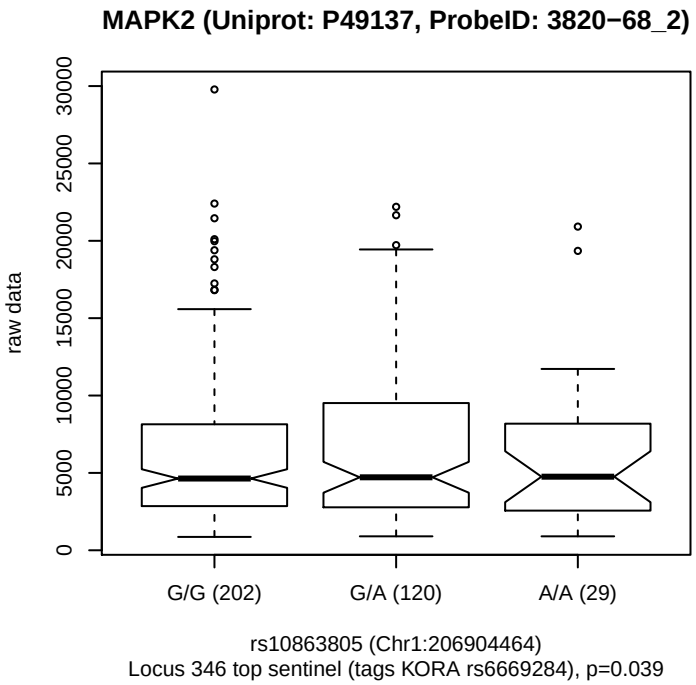

Plasminogen (Uniprot: P00747, ProbeID: 4151−6_2)
Frequency
0
50
100
150
11.0
11.5
12.0
log2−scaled data
Plasminogen

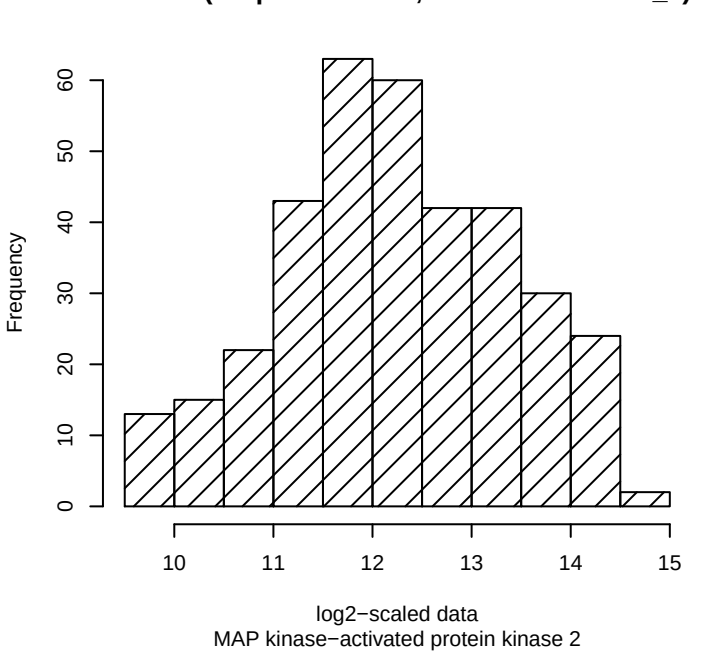

Plasminogen (Uniprot: P00747, ProbeID: 4151−6_2)
log2−scaled data
11.0
11.5
12.0
G/G (213)
G/A (113)
A/A (26)
rs813021 (Chr6:161234047)
Locus 345 top sentinel (tags KORA rs2565722), p=0.00044, FC=1.046

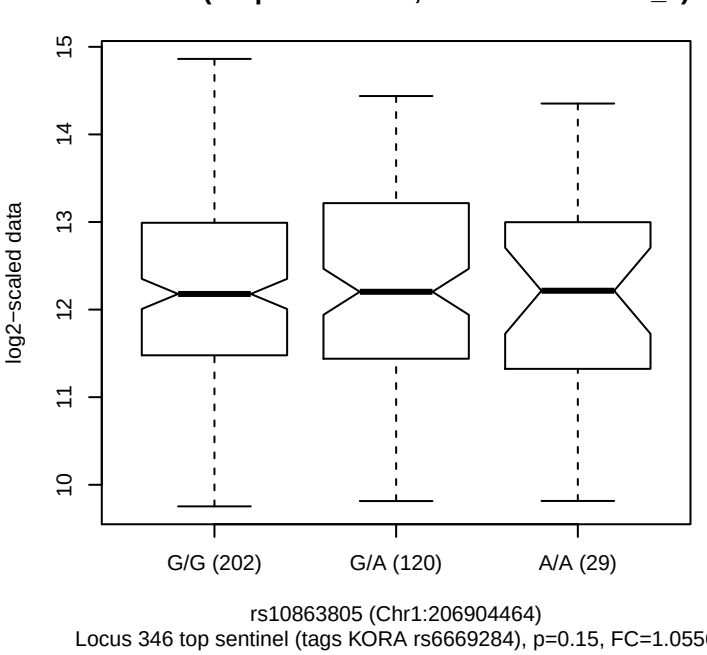

Plasminogen (Uniprot: P00747, ProbeID: 4151−6_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Plasminogen

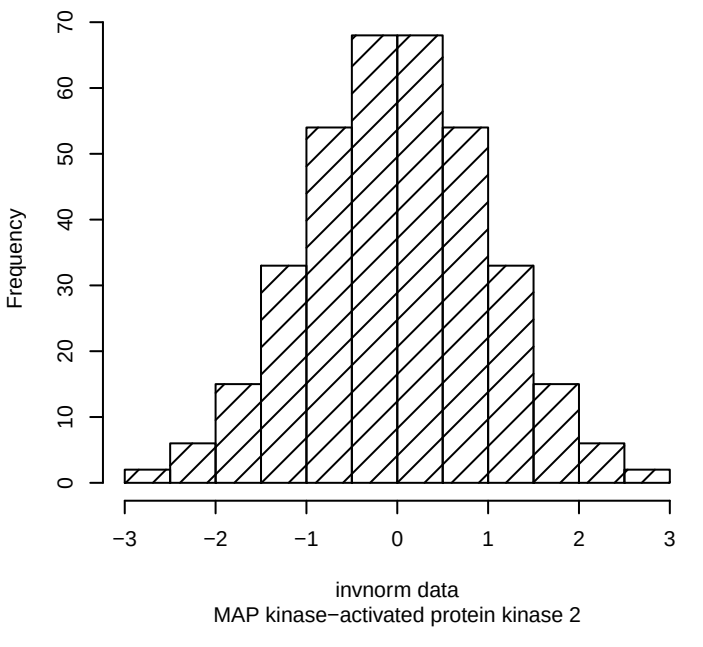

Plasminogen (Uniprot: P00747, ProbeID: 4151−6_2)
invnorm data
−2
−1
0
1
2
G/G (213)
G/A (113)
A/A (26)
rs813021 (Chr6:161234047)
Locus 345 top sentinel (tags KORA rs2565722), p=0.00045

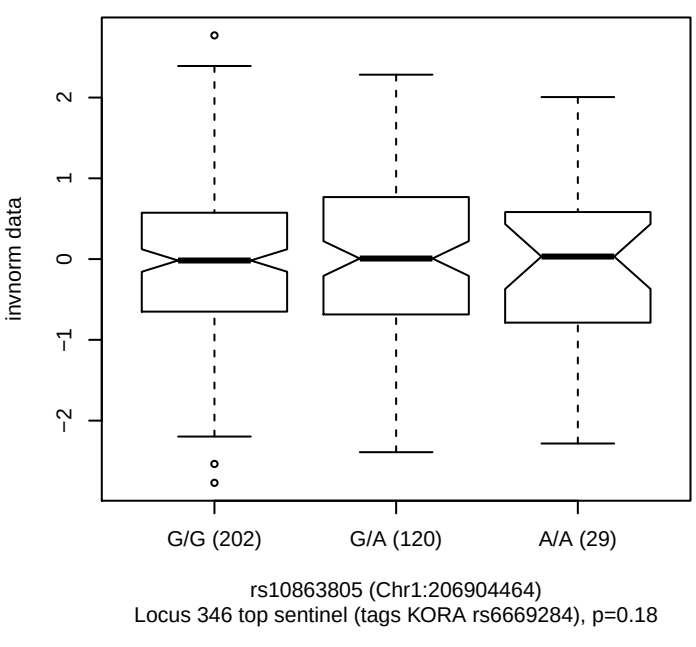

MAPK2 (Uniprot: P49137, ProbeID: 3820−68_2)
Frequency
0
50
100
150
0
5000
10000
15000
20000
25000
30000
raw data
MAP kinase−activated protein kinase 2

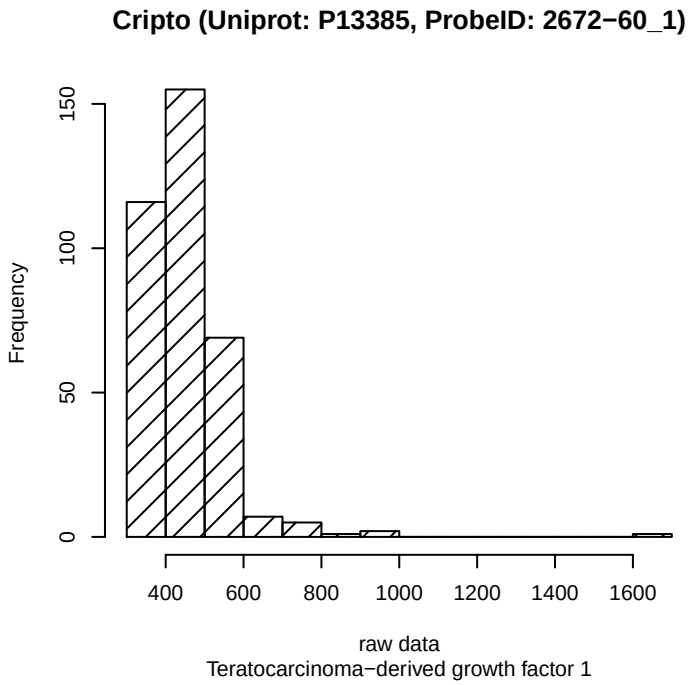

MAPK2 (Uniprot: P49137, ProbeID: 3820−68_2)
raw data
0
5000
10000
15000
20000
25000
30000
G/G (202)
G/A (120)
A/A (29)
rs10863805 (Chr1:206904464)
Locus 346 top sentinel (tags KORA rs6669284), p=0.039

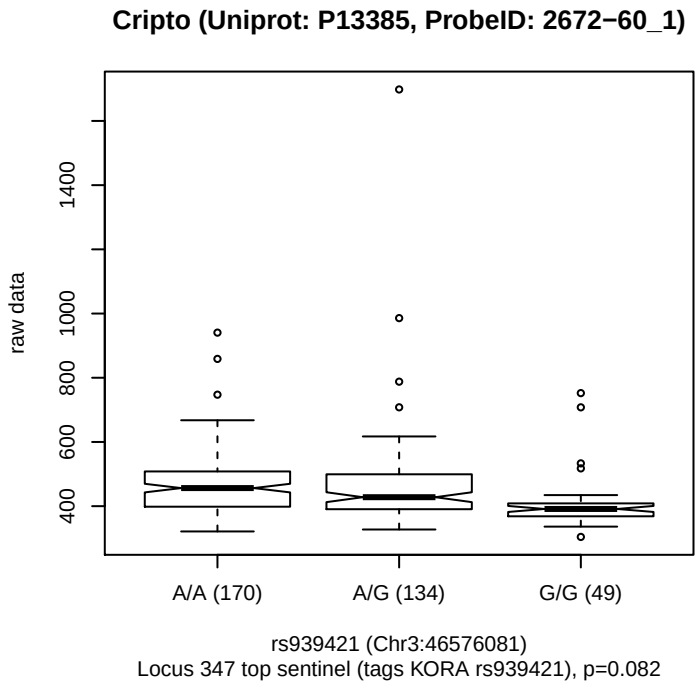

MAPK2 (Uniprot: P49137, ProbeID: 3820−68_2)
Frequency
0
10
20
30
40
50
60
10
11
12
13
14
15
log2−scaled data
MAP kinase−activated protein kinase 2

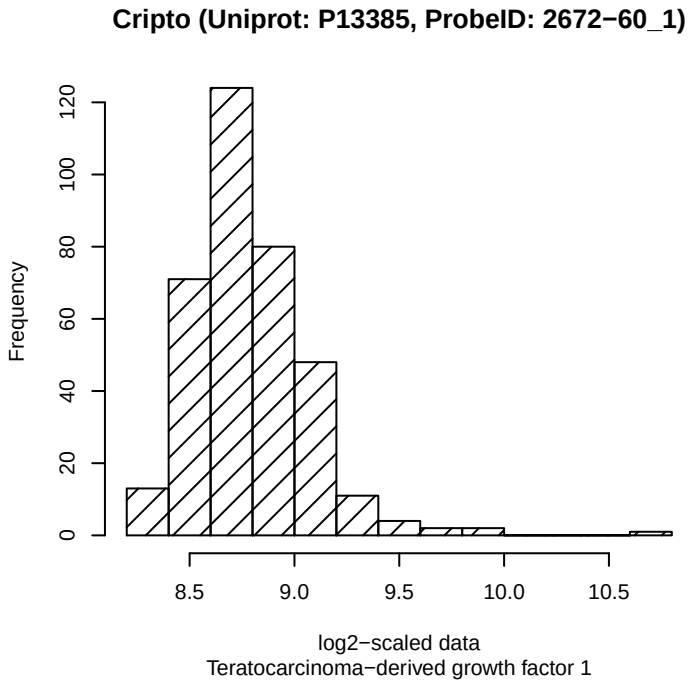

MAPK2 (Uniprot: P49137, ProbeID: 3820−68_2)
log2−scaled data
10
11
12
13
14
15
G/G (202)
G/A (120)
A/A (29)
rs10863805 (Chr1:206904464)
Locus 346 top sentinel (tags KORA rs6669284), p=0.15, FC=1.0556

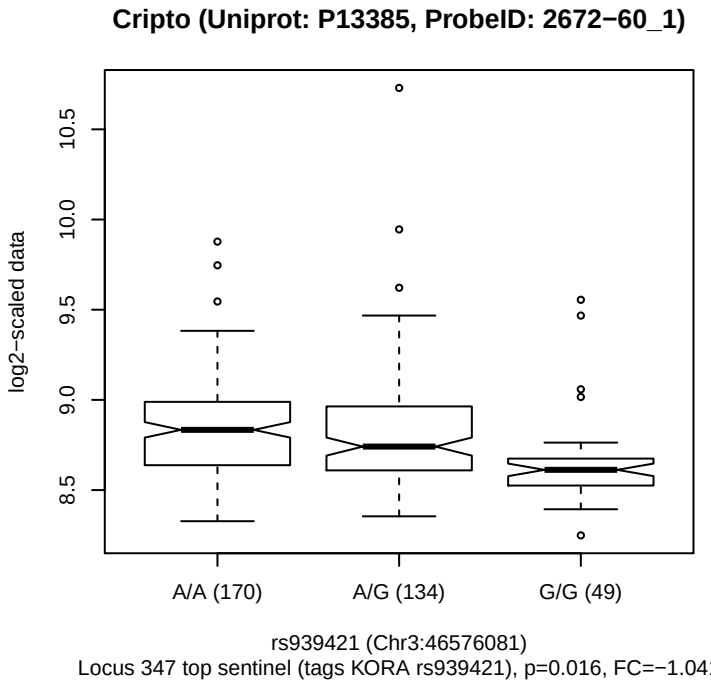

MAPK2 (Uniprot: P49137, ProbeID: 3820−68_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
MAP kinase−activated protein kinase 2

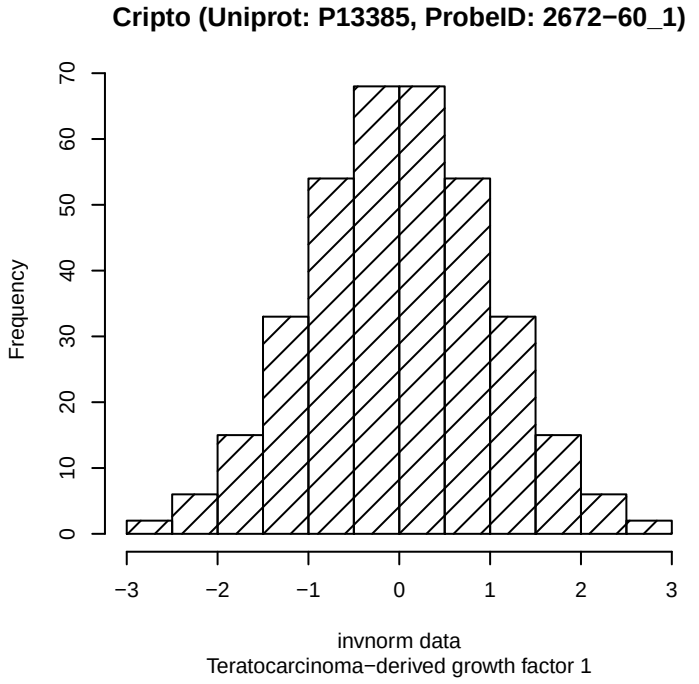

MAPK2 (Uniprot: P49137, ProbeID: 3820−68_2)
invnorm data
−2
−1
0
1
2
G/G (202)
G/A (120)
A/A (29)
rs10863805 (Chr1:206904464)
Locus 346 top sentinel (tags KORA rs6669284), p=0.18

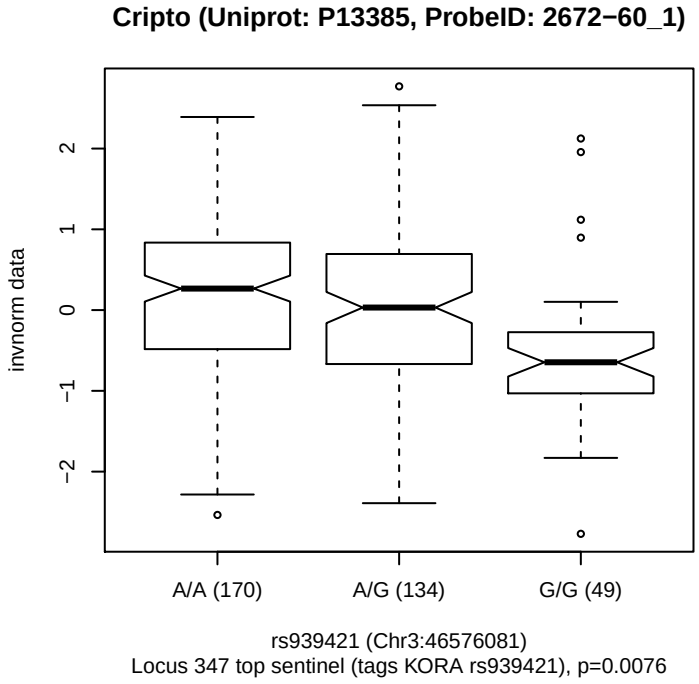

Cripto (Uniprot: P13385, ProbeID: 2672−60_1)
Frequency
0
50
100
150
400
600
800
1000
1200
1400
1600
raw data
Teratocarcinoma−derived growth factor 1

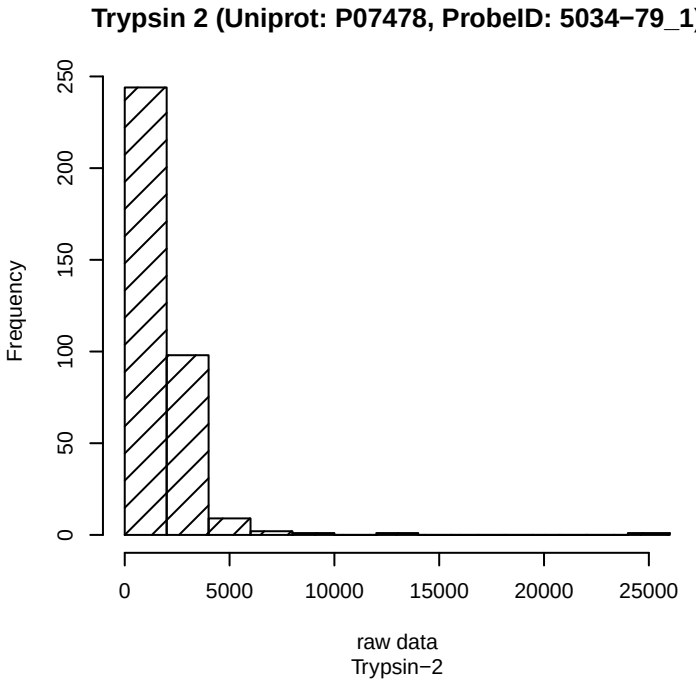

Cripto (Uniprot: P13385, ProbeID: 2672−60_1)
raw data
400
600
800
1000
1400
A/A (170)
A/G (134)
G/G (49)
rs939421 (Chr3:46576081)
Locus 347 top sentinel (tags KORA rs939421), p=0.082

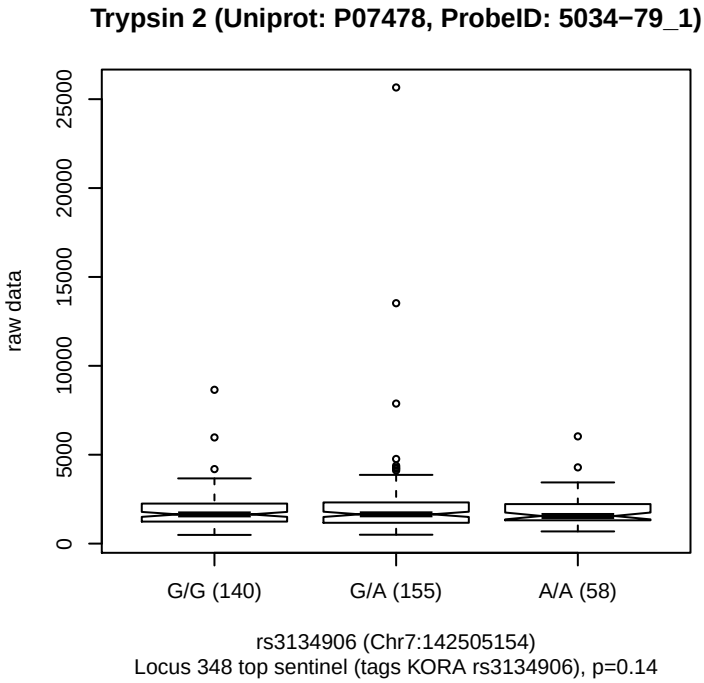

Cripto (Uniprot: P13385, ProbeID: 2672−60_1)
Frequency
0
20
40
60
80
100
120
8.5
9.0
9.5
10.0
10.5
log2−scaled data
Teratocarcinoma−derived growth factor 1

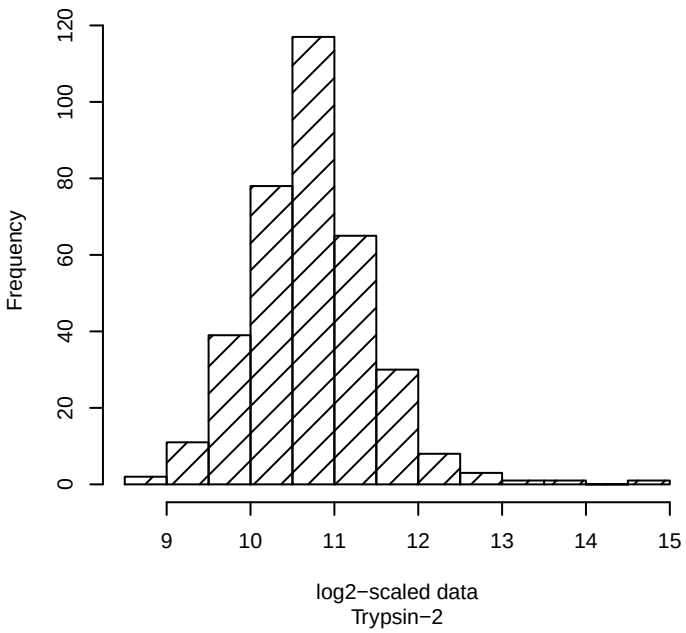

Cripto (Uniprot: P13385, ProbeID: 2672−60_1)
log2−scaled data
8.5
9.0
9.5
10.0
10.5
A/A (170)
A/G (134)
G/G (49)
rs939421 (Chr3:46576081)
Locus 347 top sentinel (tags KORA rs939421), p=0.016, FC=−1.041

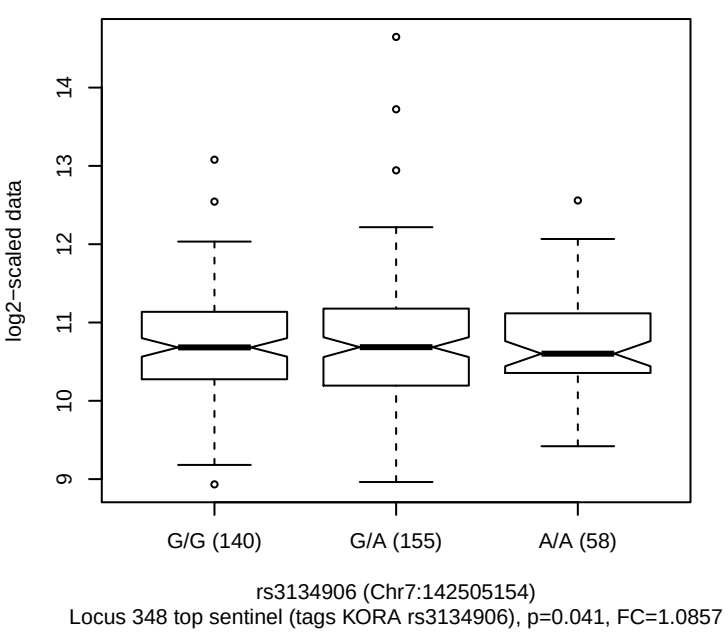

Cripto (Uniprot: P13385, ProbeID: 2672−60_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Teratocarcinoma−derived growth factor 1

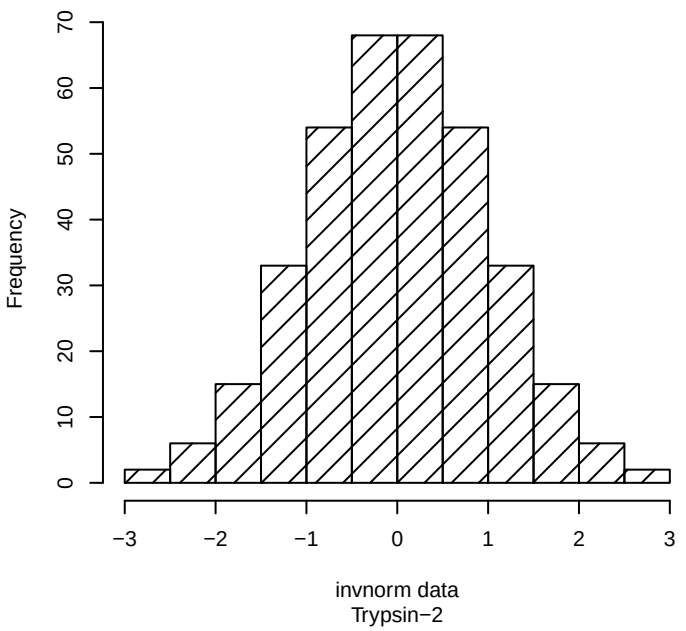

Cripto (Uniprot: P13385, ProbeID: 2672−60_1)
invnorm data
−2
−1
0
1
2
A/A (170)
A/G (134)
G/G (49)
rs939421 (Chr3:46576081)
Locus 347 top sentinel (tags KORA rs939421), p=0.0076

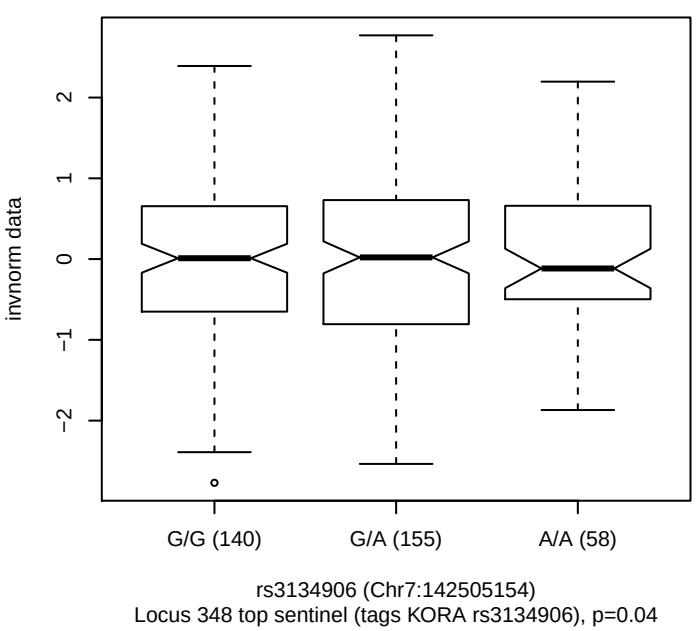

Trypsin 2 (Uniprot: P07478, ProbeID: 5034−79_1)
Frequency
0
50
100
150
200
250
0
5000
10000
15000
20000
25000
raw data
Trypsin−2

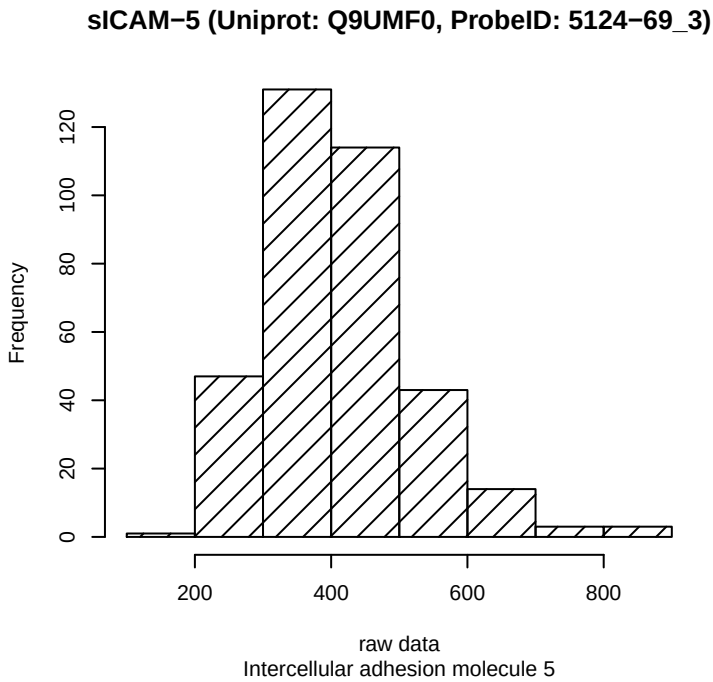

Trypsin 2 (Uniprot: P07478, ProbeID: 5034−79_1)
raw data
0
5000
10000
15000
20000
25000
G/G (140)
G/A (155)
A/A (58)
rs3134906 (Chr7:142505154)
Locus 348 top sentinel (tags KORA rs3134906), p=0.14

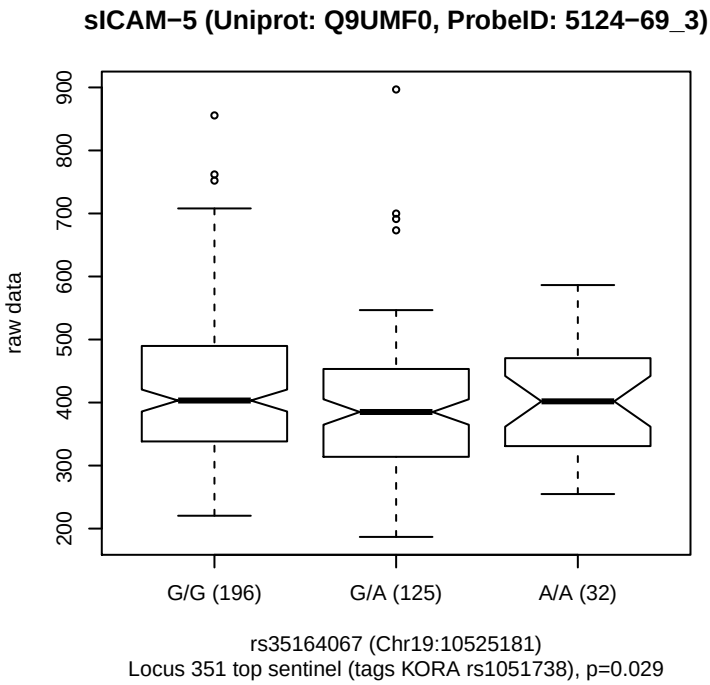

Trypsin 2 (Uniprot: P07478, ProbeID: 5034−79_1)
Frequency
0
20
40
60
80
100
120
9
10
11
12
13
14
15
log2−scaled data
Trypsin−2

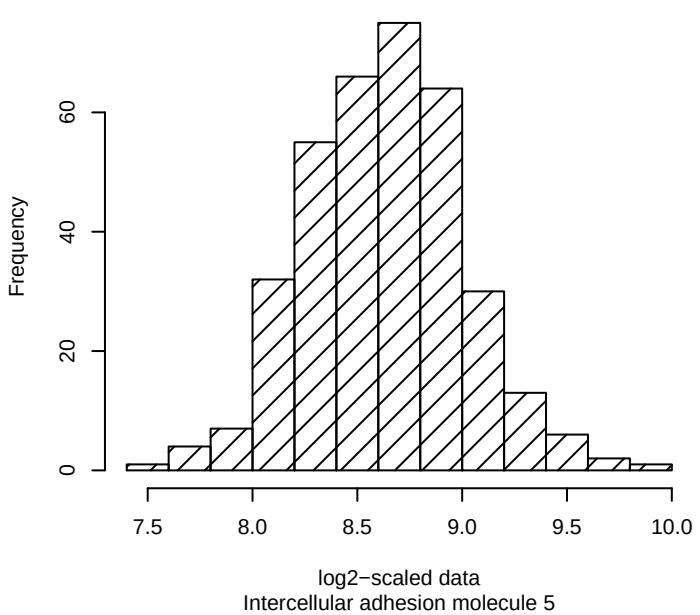

Trypsin 2 (Uniprot: P07478, ProbeID: 5034−79_1)
log2−scaled data
9
10
11
12
13
14
G/G (140)
G/A (155)
A/A (58)
rs3134906 (Chr7:142505154)
Locus 348 top sentinel (tags KORA rs3134906), p=0.041, FC=1.0857

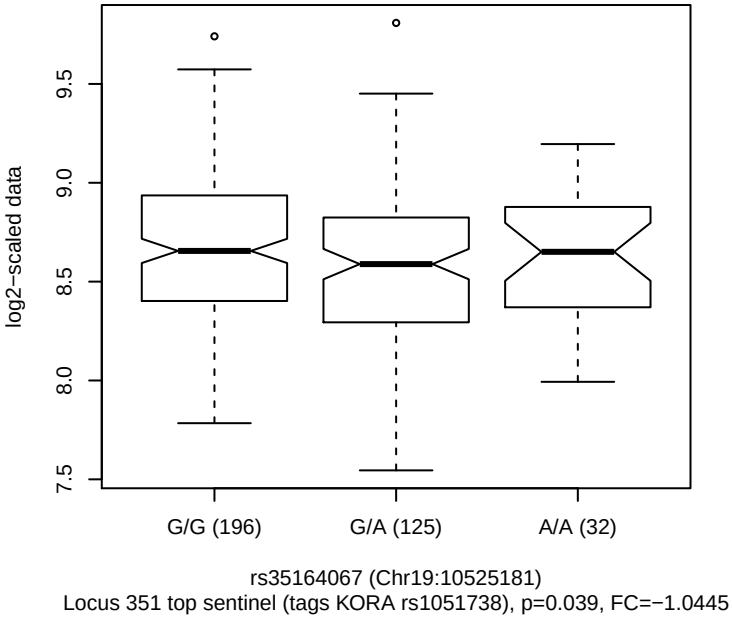

Trypsin 2 (Uniprot: P07478, ProbeID: 5034−79_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Trypsin−2

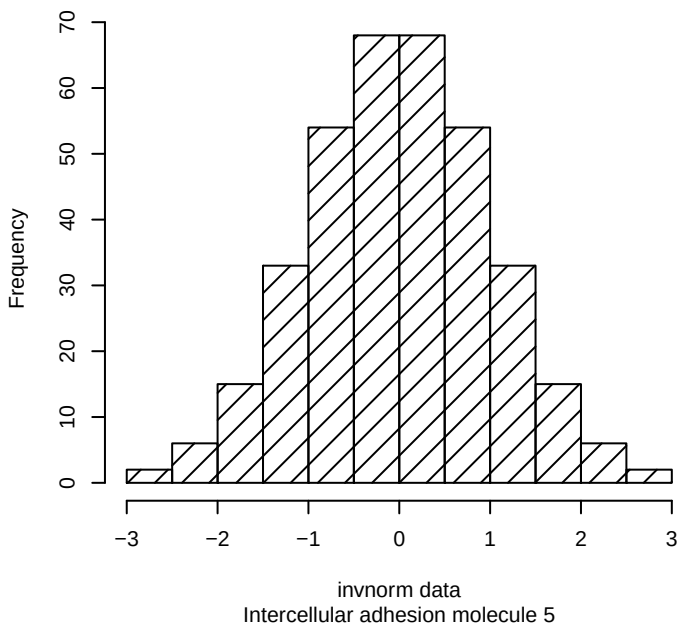

Trypsin 2 (Uniprot: P07478, ProbeID: 5034−79_1)
invnorm data
−2
−1
0
1
2
G/G (140)
G/A (155)
A/A (58)
rs3134906 (Chr7:142505154)
Locus 348 top sentinel (tags KORA rs3134906), p=0.04

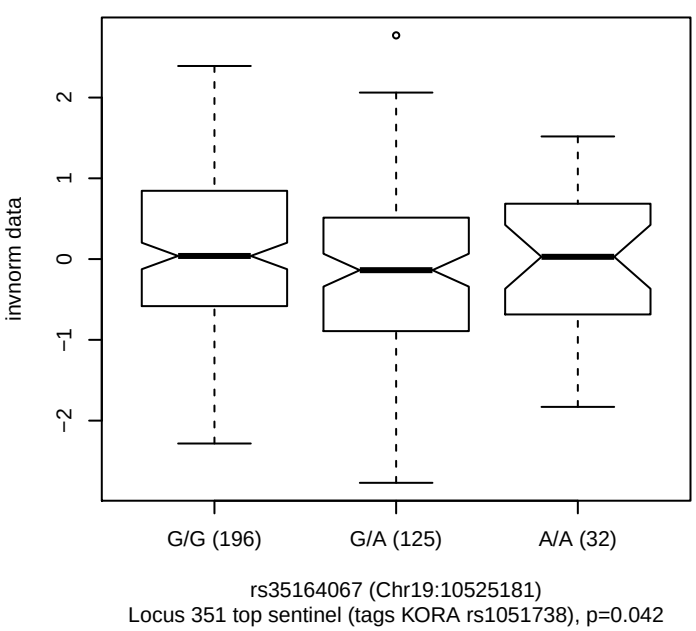

sICAM−5 (Uniprot: Q9UMF0, ProbeID: 5124−69_3)
Frequency
0
20
40
60
80
100
120
200
400
600
800
raw data
Intercellular adhesion molecule 5

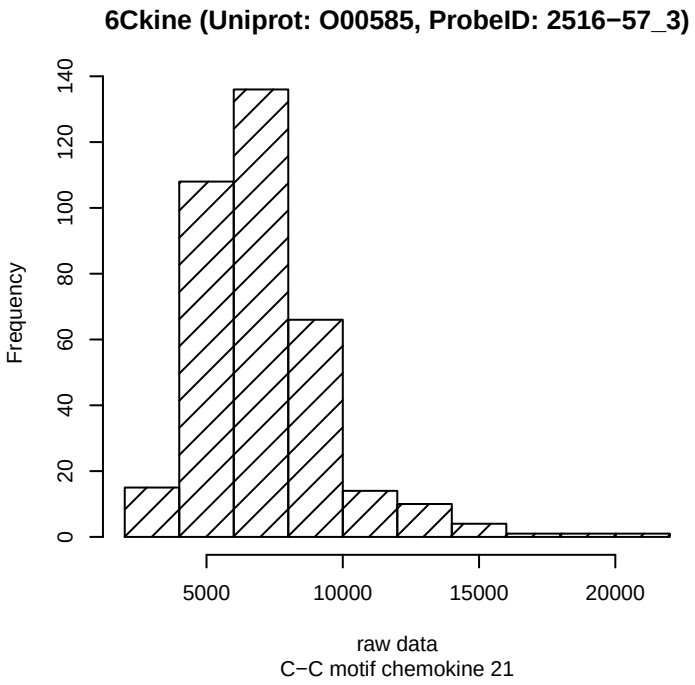

sICAM−5 (Uniprot: Q9UMF0, ProbeID: 5124−69_3)
raw data
200
300
400
500
600
700
800
900
G/G (196)
G/A (125)
A/A (32)
rs35164067 (Chr19:10525181)
Locus 351 top sentinel (tags KORA rs1051738), p=0.029

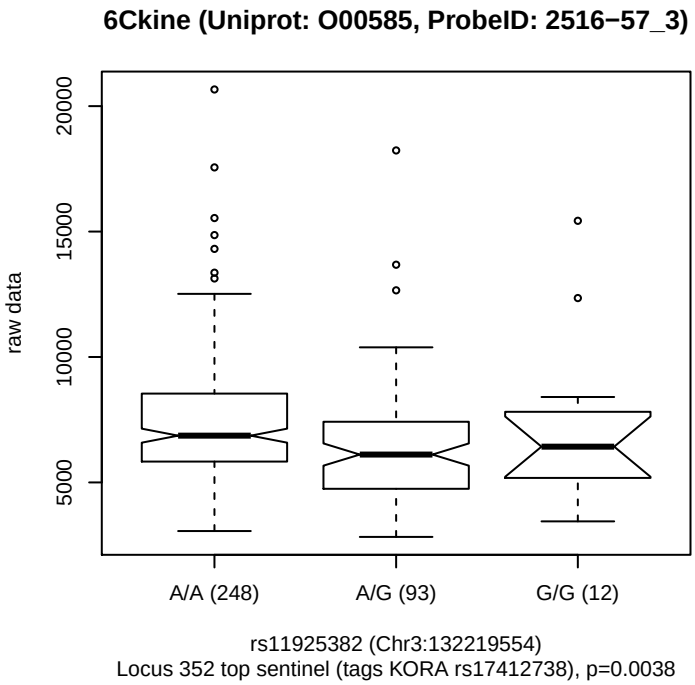

sICAM−5 (Uniprot: Q9UMF0, ProbeID: 5124−69_3)
Frequency
0
20
40
60
7.5
8.0
8.5
9.0
9.5
10.0
log2−scaled data
Intercellular adhesion molecule 5

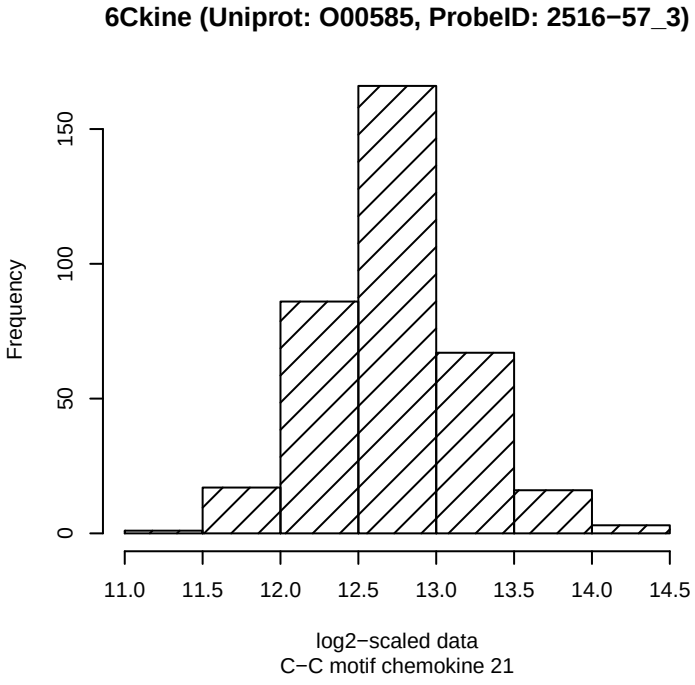

sICAM−5 (Uniprot: Q9UMF0, ProbeID: 5124−69_3)
log2−scaled data
7.5
8.0
8.5
9.0
9.5
G/G (196)
G/A (125)
A/A (32)
rs35164067 (Chr19:10525181)
Locus 351 top sentinel (tags KORA rs1051738), p=0.039, FC=−1.0445

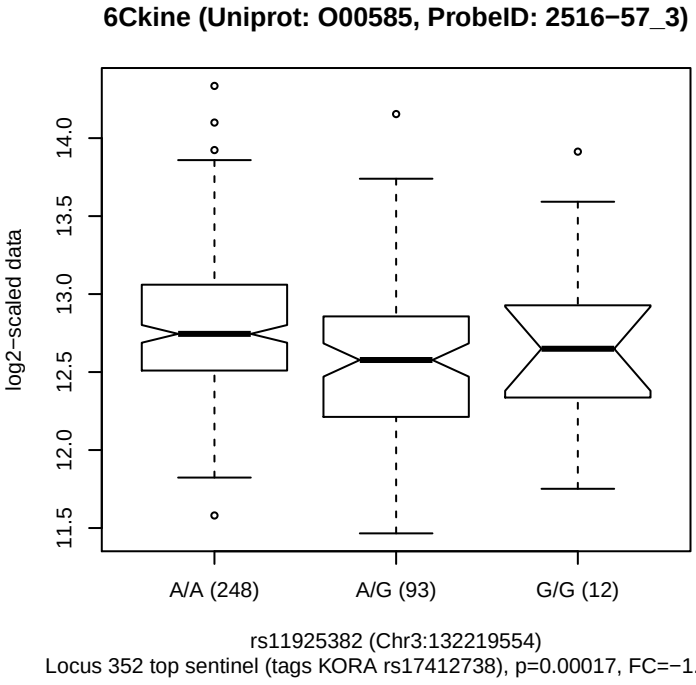

sICAM−5 (Uniprot: Q9UMF0, ProbeID: 5124−69_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Intercellular adhesion molecule 5

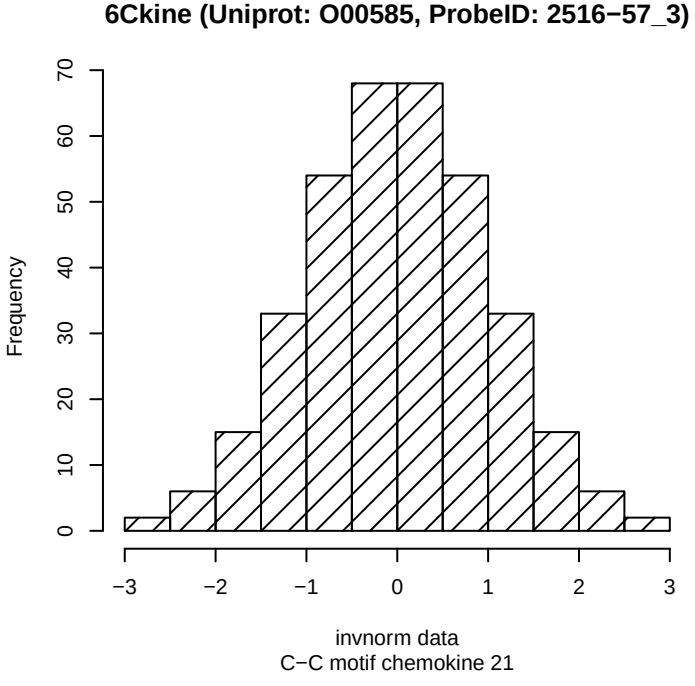

sICAM−5 (Uniprot: Q9UMF0, ProbeID: 5124−69_3)
invnorm data
−2
−1
0
1
2
G/G (196)
G/A (125)
A/A (32)
rs35164067 (Chr19:10525181)
Locus 351 top sentinel (tags KORA rs1051738), p=0.042

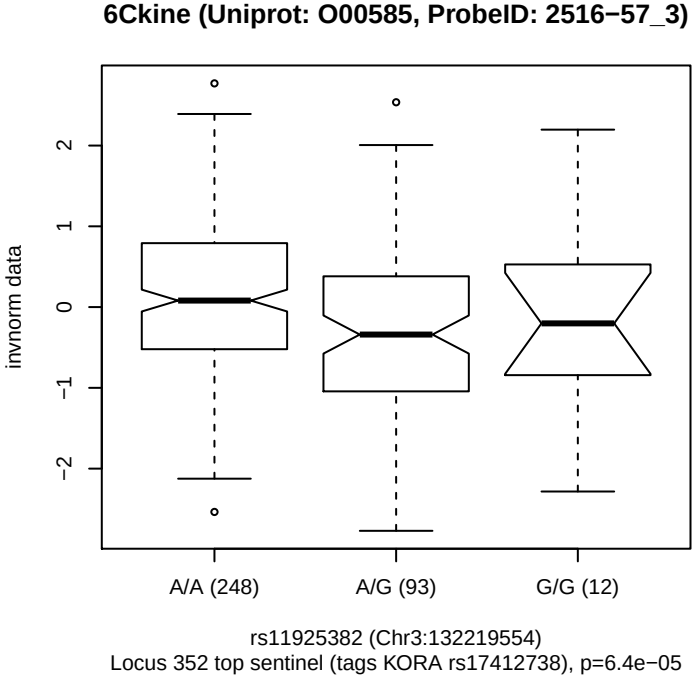

6Ckine (Uniprot: O00585, ProbeID: 2516−57_3)
Frequency
0
20
40
60
80
100
120
140
5000
10000
15000
20000
raw data
C−C motif chemokine 21

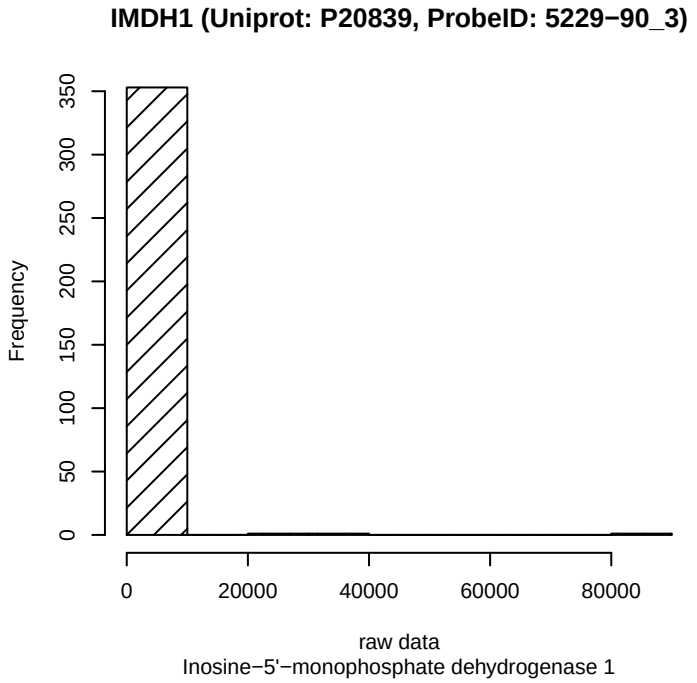

6Ckine (Uniprot: O00585, ProbeID: 2516−57_3)
raw data
5000
10000
15000
20000
A/A (248)
A/G (93)
G/G (12)
rs11925382 (Chr3:132219554)
Locus 352 top sentinel (tags KORA rs17412738), p=0.0038

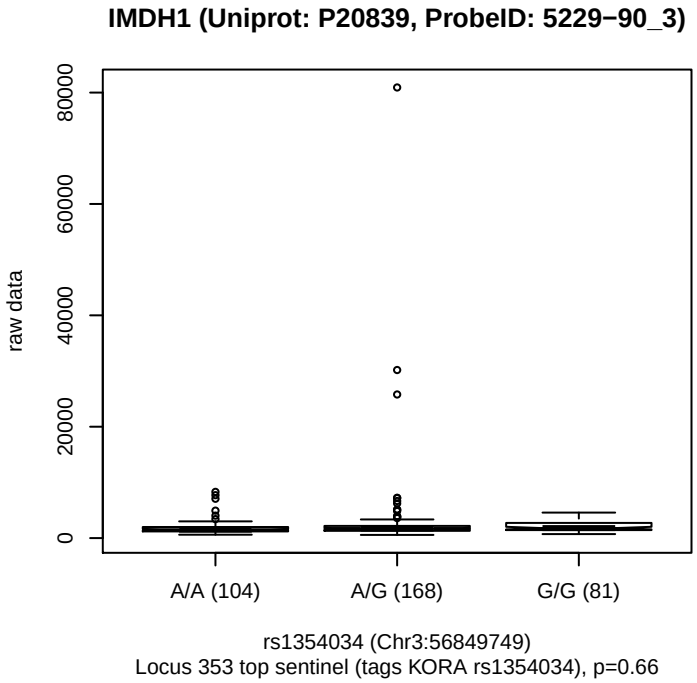

6Ckine (Uniprot: O00585, ProbeID: 2516−57_3)
Frequency
0
50
100
150
11.0
11.5
12.0
12.5
13.0
13.5
14.0
14.5
log2−scaled data
C−C motif chemokine 21

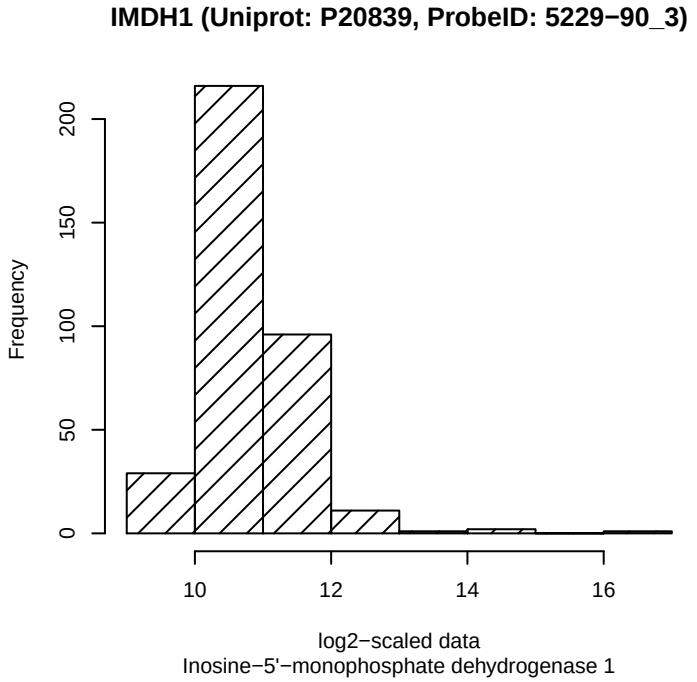

6Ckine (Uniprot: O00585, ProbeID: 2516−57_3)
log2−scaled data
11.5
12.0
12.5
13.0
13.5
14.0
A/A (248)
A/G (93)
G/G (12)
rs11925382 (Chr3:132219554)
Locus 352 top sentinel (tags KORA rs17412738), p=0.00017, FC=−1.1153

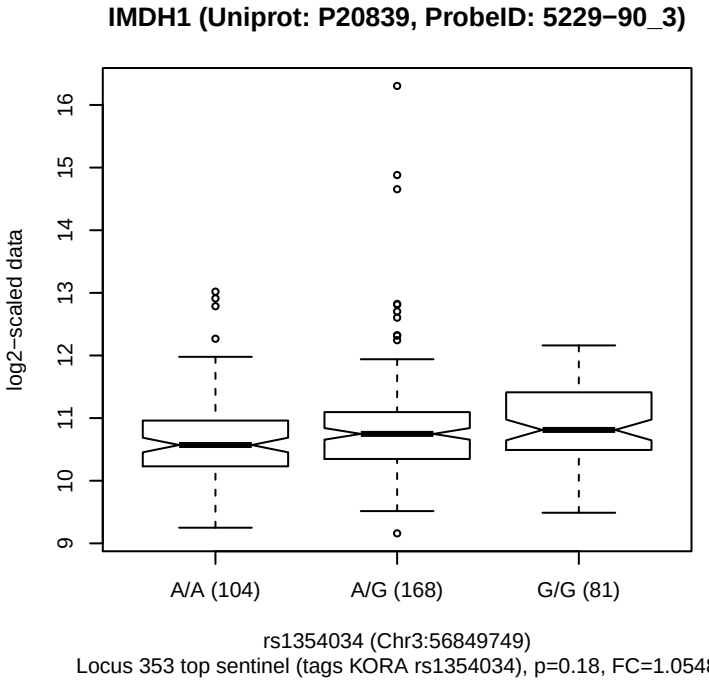

6Ckine (Uniprot: O00585, ProbeID: 2516−57_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 21

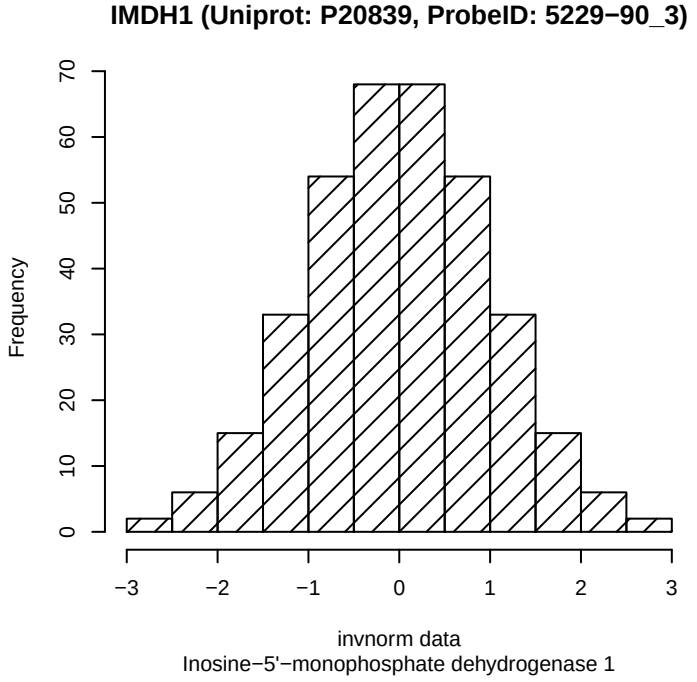

6Ckine (Uniprot: O00585, ProbeID: 2516−57_3)
invnorm data
−2
−1
0
1
2
A/A (248)
A/G (93)
G/G (12)
rs11925382 (Chr3:132219554)
Locus 352 top sentinel (tags KORA rs17412738), p=6.4e−05

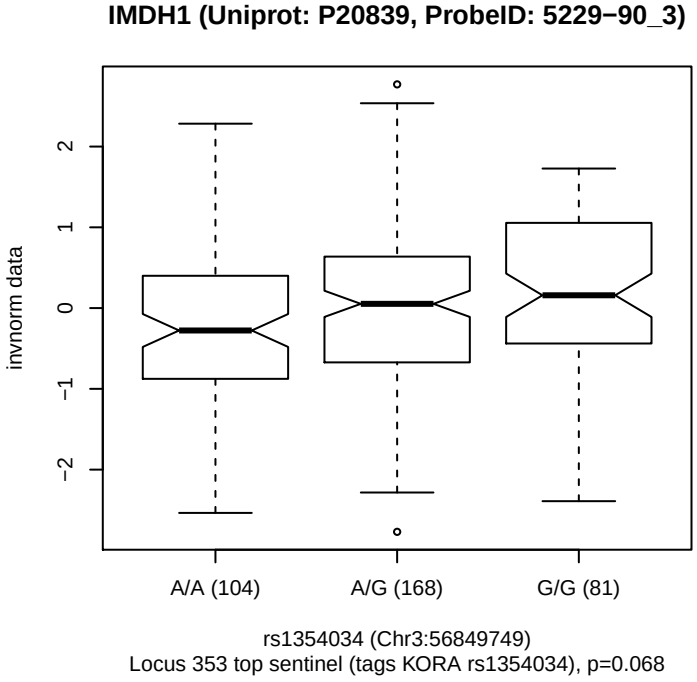

IMDH1 (Uniprot: P20839, ProbeID: 5229−90_3)
Frequency
0
50
100
150
200
250
300
350
0
20000
40000
60000
80000
raw data
Inosine−5'−monophosphate dehydrogenase 1

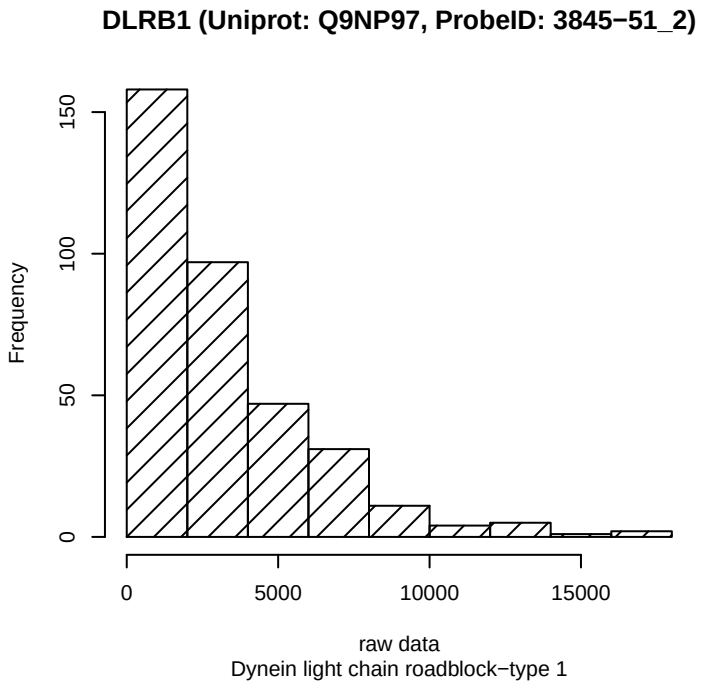

IMDH1 (Uniprot: P20839, ProbeID: 5229−90_3)
raw data
0
20000
40000
60000
80000
A/A (104)
A/G (168)
G/G (81)
rs1354034 (Chr3:56849749)
Locus 353 top sentinel (tags KORA rs1354034), p=0.66

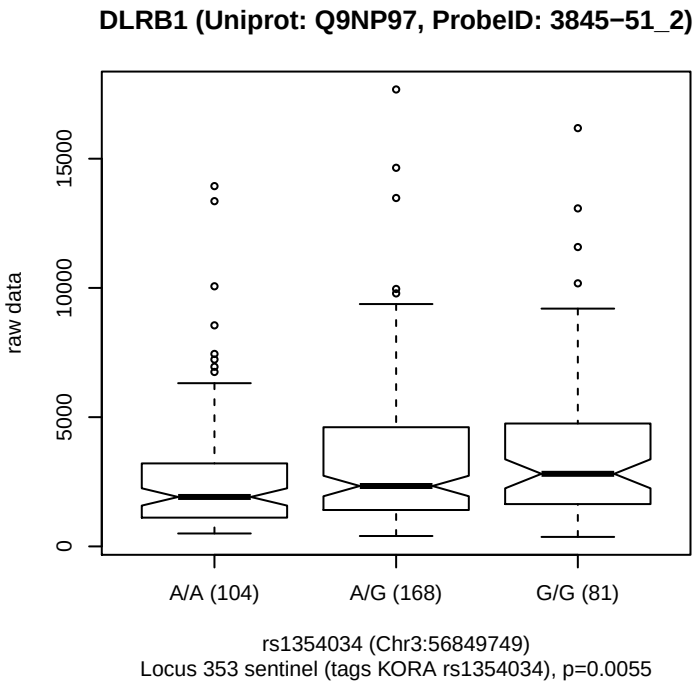

IMDH1 (Uniprot: P20839, ProbeID: 5229−90_3)
Frequency
0
50
100
150
200
10
12
14
16
log2−scaled data
Inosine−5'−monophosphate dehydrogenase 1

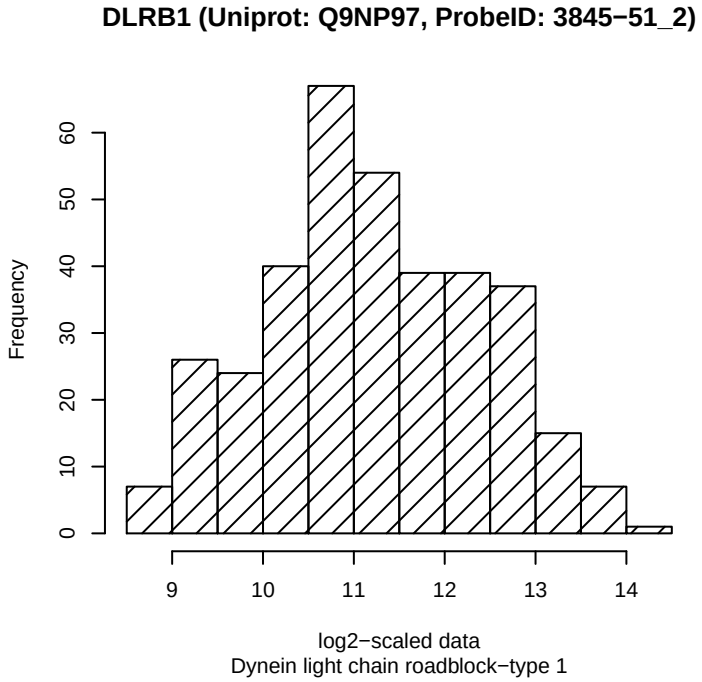

IMDH1 (Uniprot: P20839, ProbeID: 5229−90_3)
log2−scaled data
9
10
11
12
13
14
15
16
A/A (104)
A/G (168)
G/G (81)
rs1354034 (Chr3:56849749)
Locus 353 top sentinel (tags KORA rs1354034), p=0.18, FC=1.0548

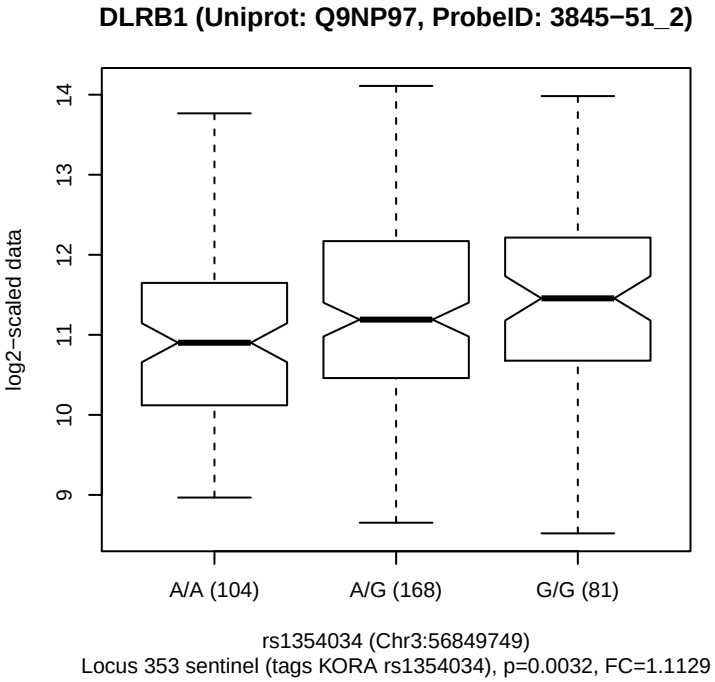

IMDH1 (Uniprot: P20839, ProbeID: 5229−90_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Inosine−5'−monophosphate dehydrogenase 1

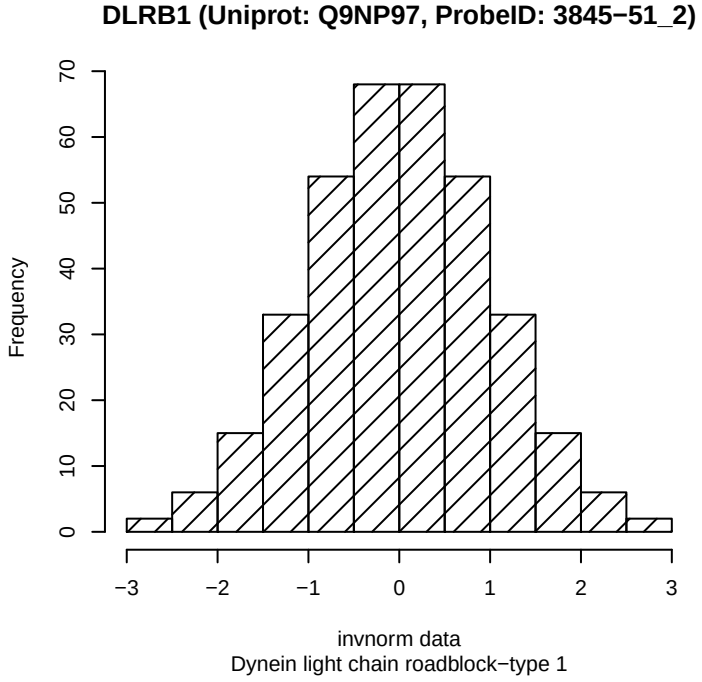

IMDH1 (Uniprot: P20839, ProbeID: 5229−90_3)
invnorm data
−2
−1
0
1
2
A/A (104)
A/G (168)
G/G (81)
rs1354034 (Chr3:56849749)
Locus 353 top sentinel (tags KORA rs1354034), p=0.068

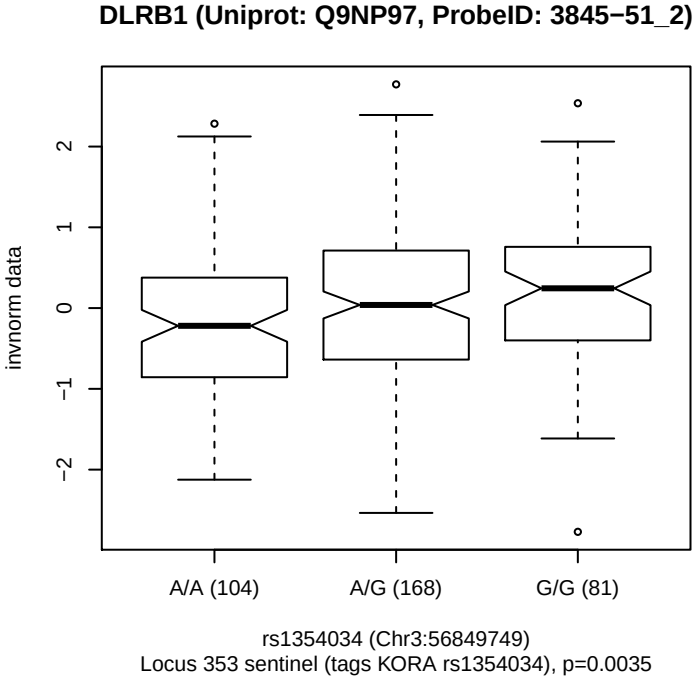

DLRB1 (Uniprot: Q9NP97, ProbeID: 3845−51_2)
Frequency
0
50
100
150
0
5000
10000
15000
raw data
Dynein light chain roadblock−type 1

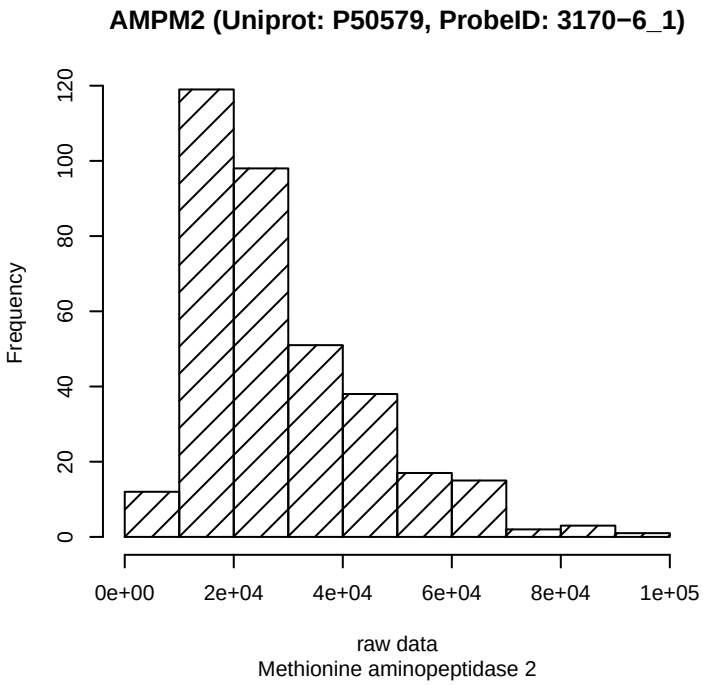

DLRB1 (Uniprot: Q9NP97, ProbeID: 3845−51_2)
raw data
0
5000
10000
15000
A/A (104)
A/G (168)
G/G (81)
rs1354034 (Chr3:56849749)
Locus 353 sentinel (tags KORA rs1354034), p=0.0055

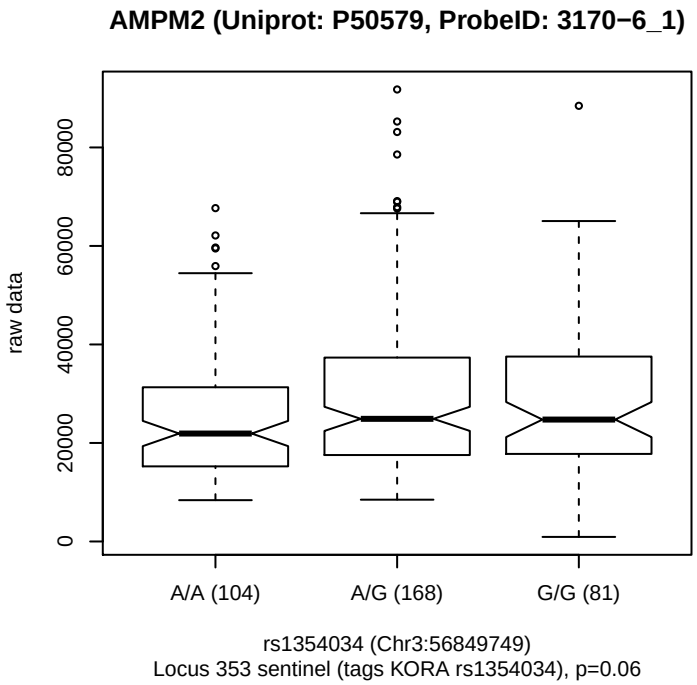

DLRB1 (Uniprot: Q9NP97, ProbeID: 3845−51_2)
Frequency
0
10
20
30
40
50
60
9
10
11
12
13
14
log2−scaled data
Dynein light chain roadblock−type 1

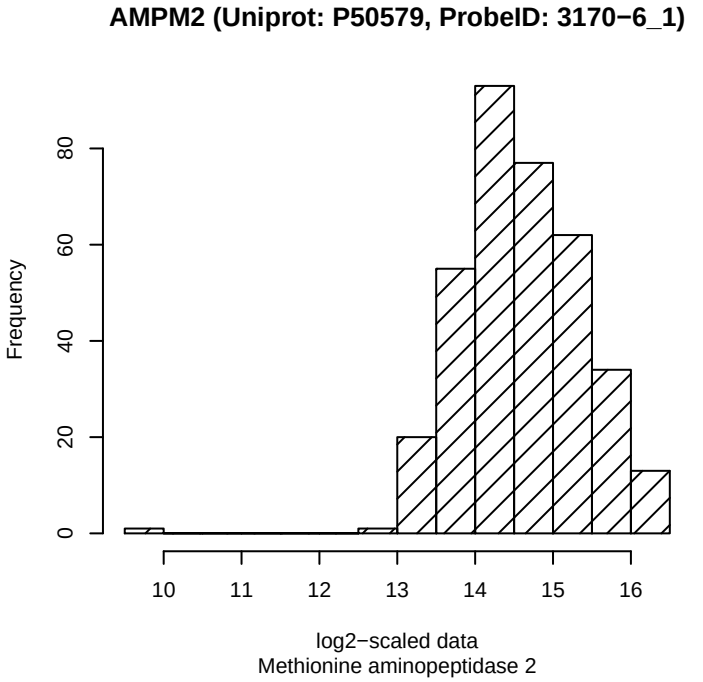

DLRB1 (Uniprot: Q9NP97, ProbeID: 3845−51_2)
log2−scaled data
9
10
11
12
13
14
A/A (104)
A/G (168)
G/G (81)
rs1354034 (Chr3:56849749)
Locus 353 sentinel (tags KORA rs1354034), p=0.0032, FC=1.1129

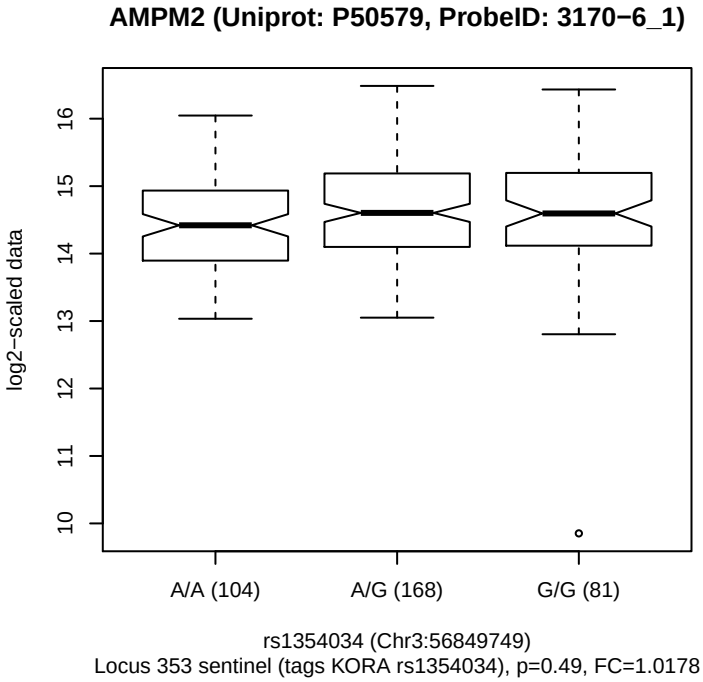

DLRB1 (Uniprot: Q9NP97, ProbeID: 3845−51_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Dynein light chain roadblock−type 1

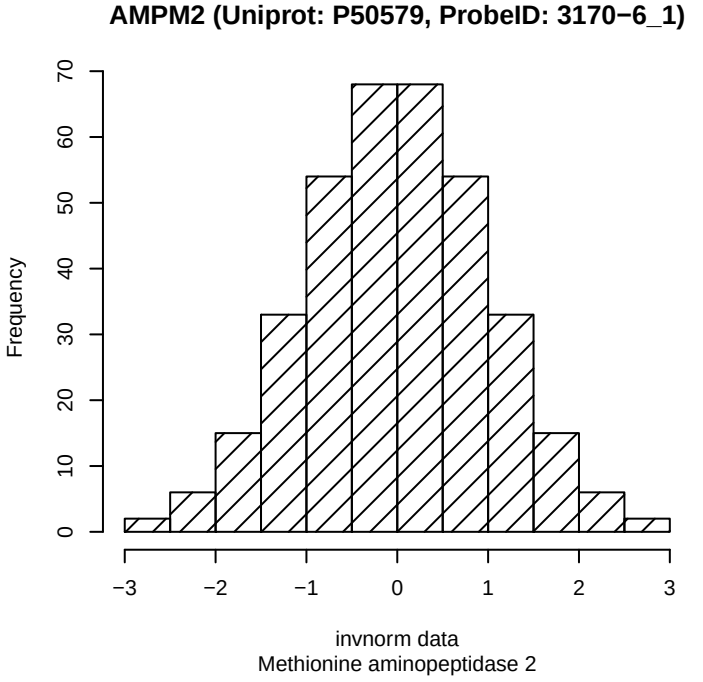

DLRB1 (Uniprot: Q9NP97, ProbeID: 3845−51_2)
invnorm data
−2
−1
0
1
2
A/A (104)
A/G (168)
G/G (81)
rs1354034 (Chr3:56849749)
Locus 353 sentinel (tags KORA rs1354034), p=0.0035

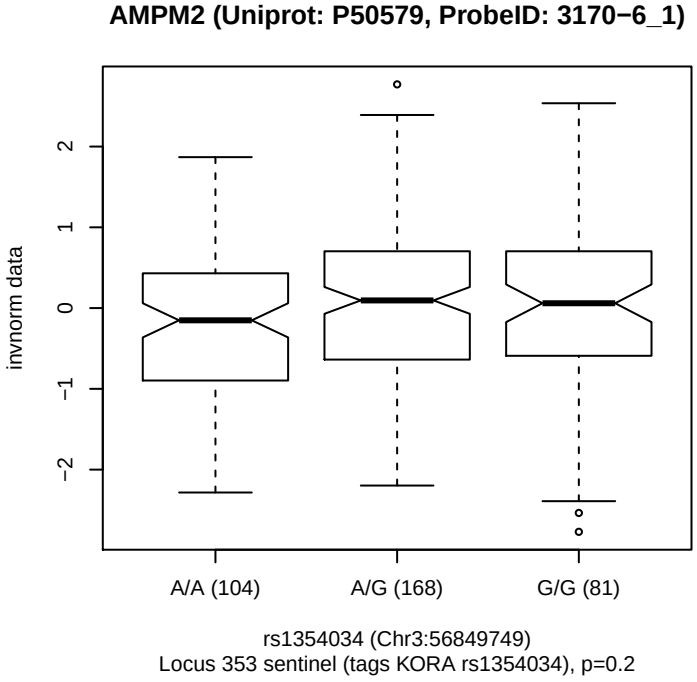

AMPM2 (Uniprot: P50579, ProbeID: 3170−6_1)
Frequency
0
20
40
60
80
100
120
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
raw data
Methionine aminopeptidase 2

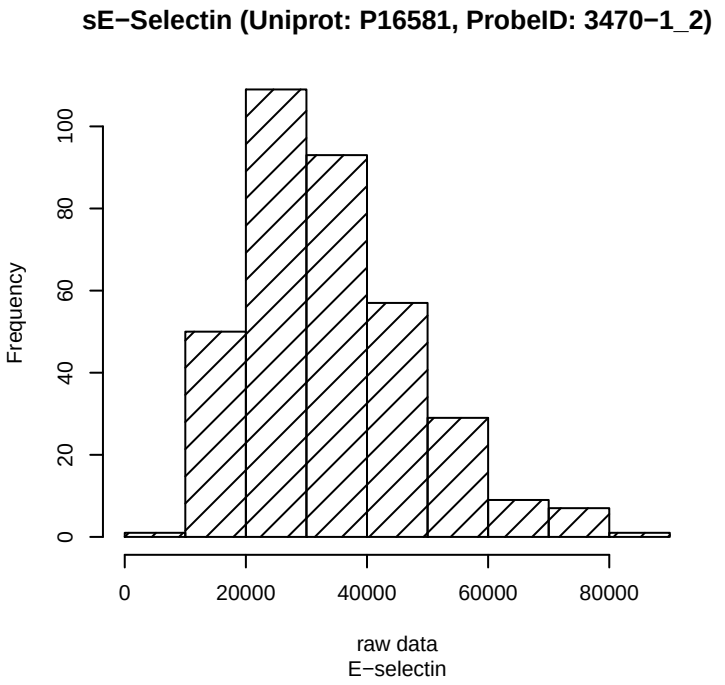

AMPM2 (Uniprot: P50579, ProbeID: 3170−6_1)
raw data
0
20000
40000
60000
80000
A/A (104)
A/G (168)
G/G (81)
rs1354034 (Chr3:56849749)
Locus 353 sentinel (tags KORA rs1354034), p=0.06

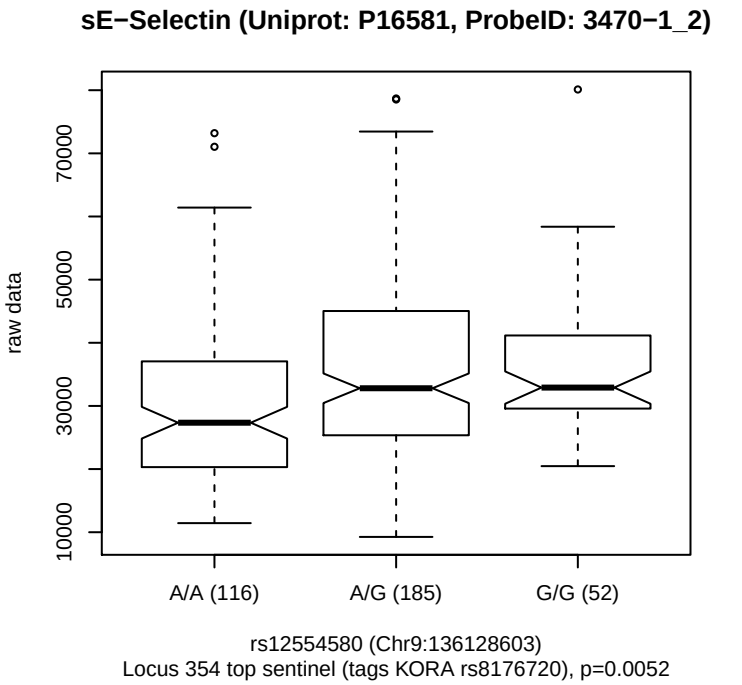

AMPM2 (Uniprot: P50579, ProbeID: 3170−6_1)
Frequency
0
20
40
60
80
10
11
12
13
14
15
16
log2−scaled data
Methionine aminopeptidase 2

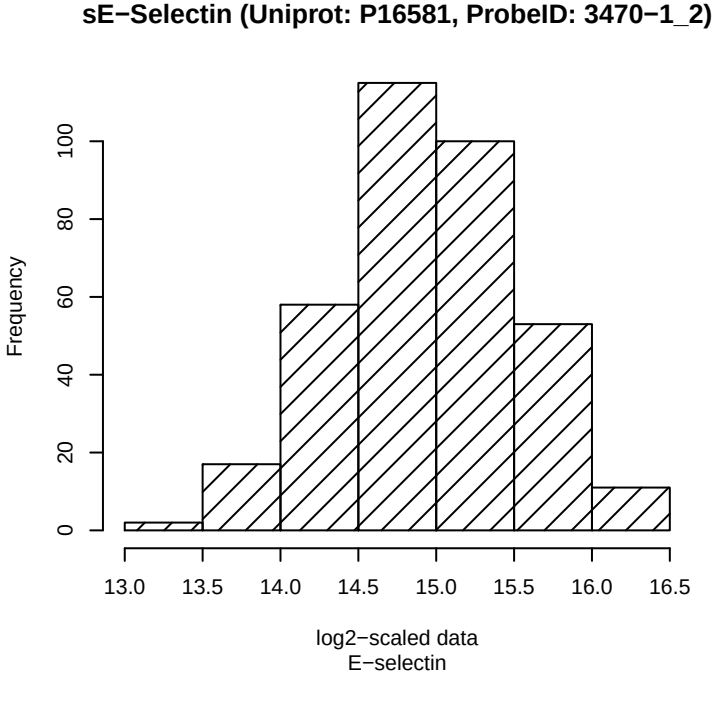

AMPM2 (Uniprot: P50579, ProbeID: 3170−6_1)
log2−scaled data
10
11
12
13
14
15
16
A/A (104)
A/G (168)
G/G (81)
rs1354034 (Chr3:56849749)
Locus 353 sentinel (tags KORA rs1354034), p=0.49, FC=1.0178

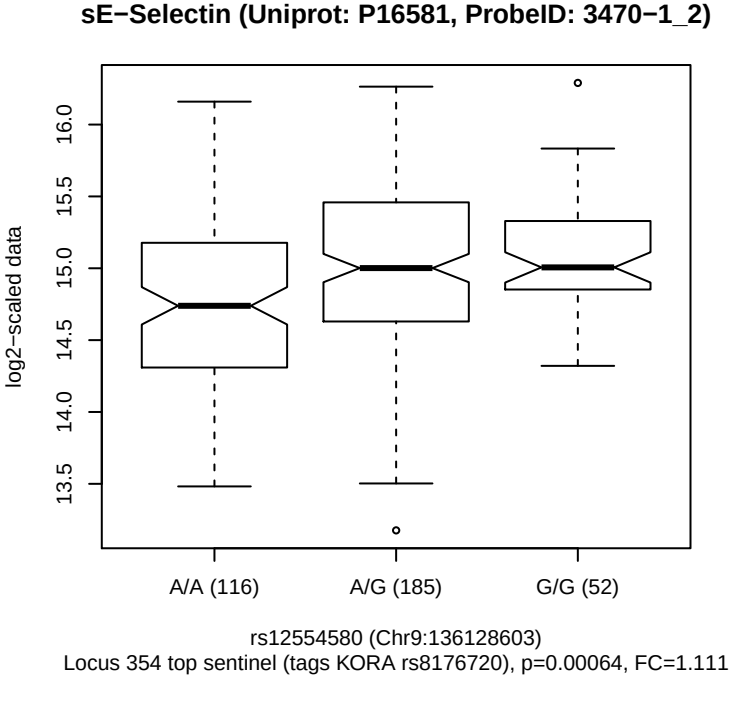

AMPM2 (Uniprot: P50579, ProbeID: 3170−6_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Methionine aminopeptidase 2

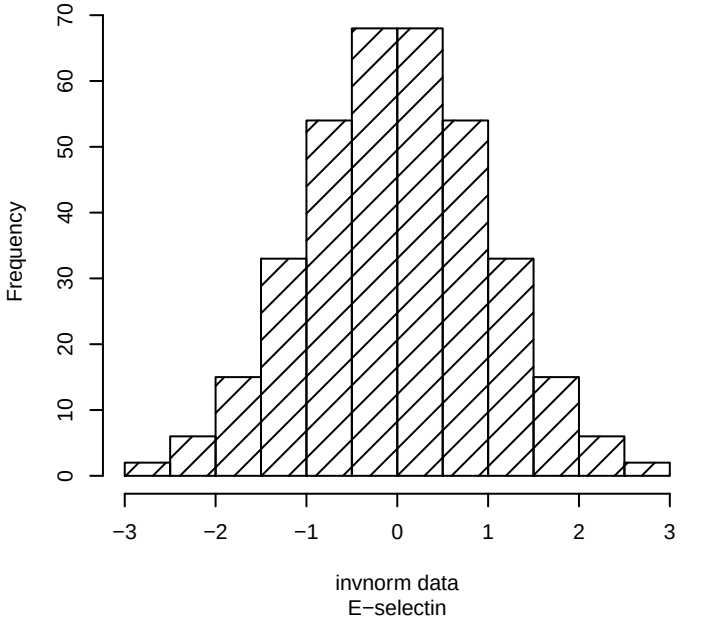

AMPM2 (Uniprot: P50579, ProbeID: 3170−6_1)
invnorm data
−2
−1
0
1
2
A/A (104)
A/G (168)
G/G (81)
rs1354034 (Chr3:56849749)
Locus 353 sentinel (tags KORA rs1354034), p=0.2

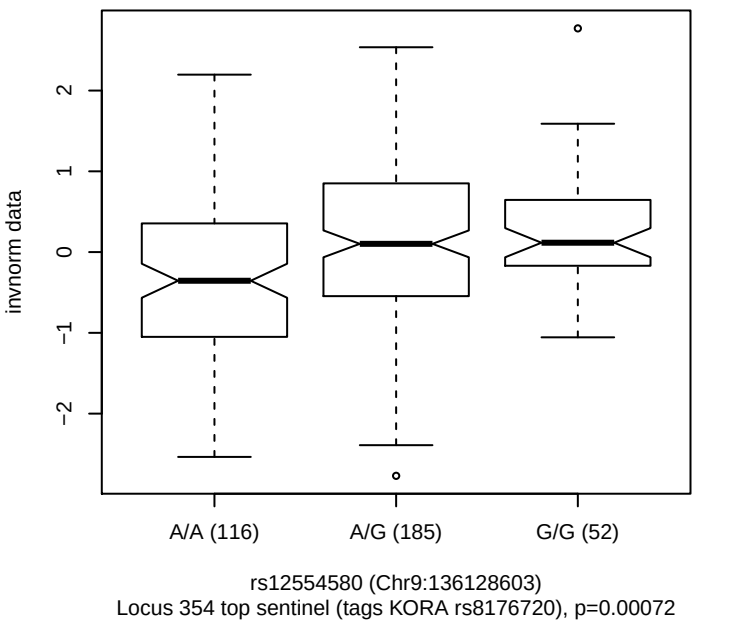

sE−Selectin (Uniprot: P16581, ProbeID: 3470−1_2)
Frequency
0
20
40
60
80
100
0
20000
40000
60000
80000
raw data
E−selectin


sE−Selectin (Uniprot: P16581, ProbeID: 3470−1_2)
raw data
10000
30000
50000
70000
A/A (116)
A/G (185)
G/G (52)
rs12554580 (Chr9:136128603)
Locus 354 top sentinel (tags KORA rs8176720), p=0.0052

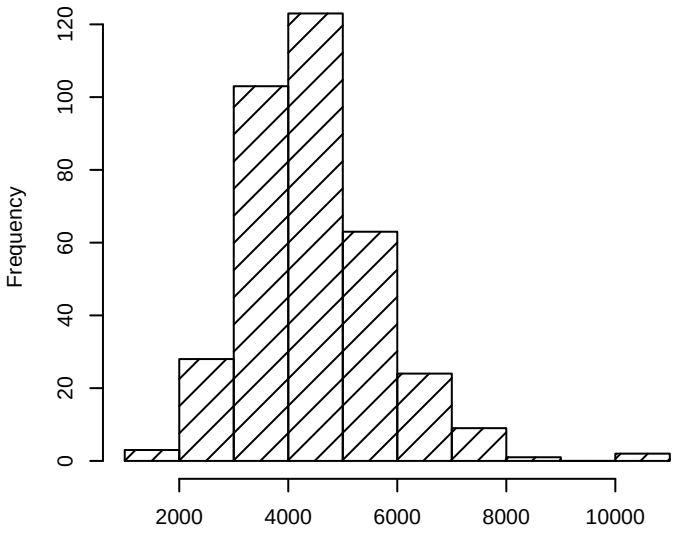

sE−Selectin (Uniprot: P16581, ProbeID: 3470−1_2)
Frequency
0
20
40
60
80
100
13.0
13.5
14.0
14.5
15.0
15.5
16.0
16.5
log2−scaled data
E−selectin


sE−Selectin (Uniprot: P16581, ProbeID: 3470−1_2)
log2−scaled data
13.5
14.0
14.5
15.0
15.5
16.0
A/A (116)
A/G (185)
G/G (52)
rs12554580 (Chr9:136128603)
Locus 354 top sentinel (tags KORA rs8176720), p=0.00064, FC=1.111


sE−Selectin (Uniprot: P16581, ProbeID: 3470−1_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
E−selectin

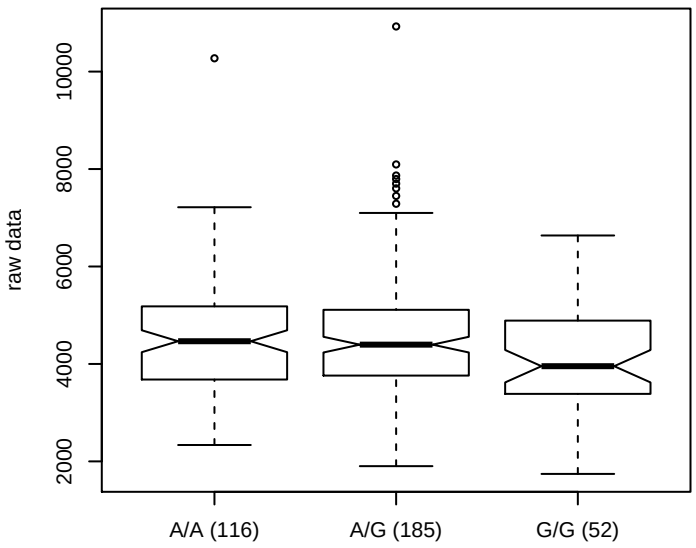

sE−Selectin (Uniprot: P16581, ProbeID: 3470−1_2)
invnorm data
−2
−1
0
1
2
A/A (116)
A/G (185)
G/G (52)
rs12554580 (Chr9:136128603)
Locus 354 top sentinel (tags KORA rs8176720), p=0.00072

ATS13 (Uniprot: Q76LX8, ProbeID: 3175−51_5)



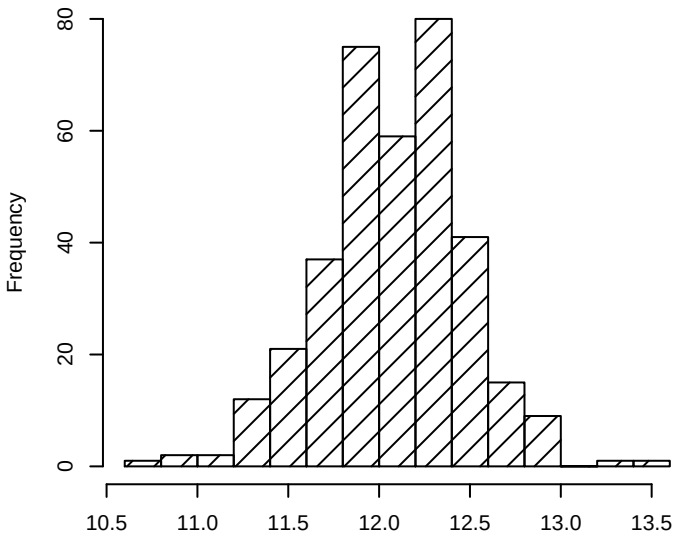
raw data
A disintegrin and metalloproteinase with thrombospondin motifs 13

ATS13 (Uniprot: Q76LX8, ProbeID: 3175−51_5)



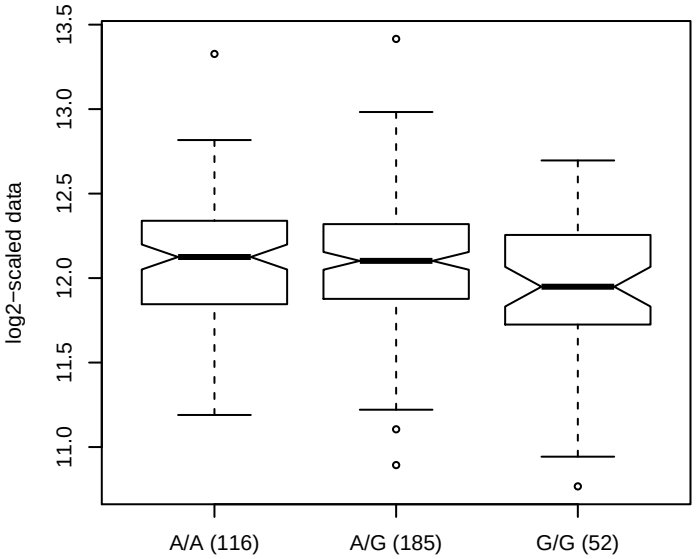
rs12554580 (Chr9:136128603)
Locus 354 sentinel (tags KORA rs8176720), p=0.12

ATS13 (Uniprot: Q76LX8, ProbeID: 3175−51_5)



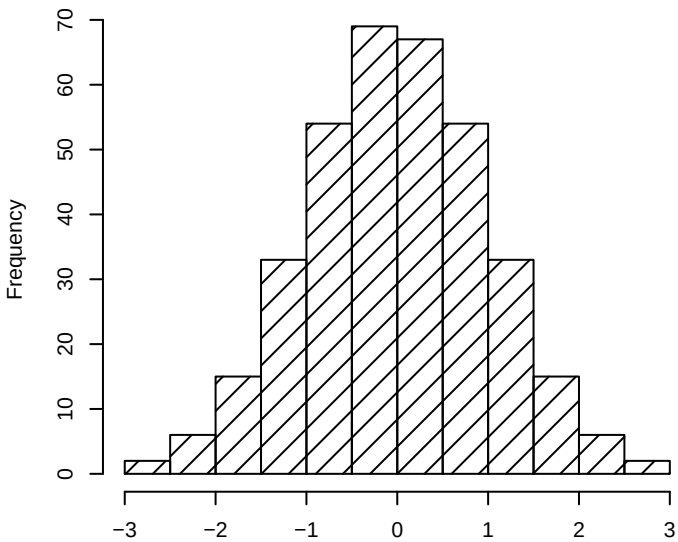
log2−scaled data
A disintegrin and metalloproteinase with thrombospondin motifs 13

ATS13 (Uniprot: Q76LX8, ProbeID: 3175−51_5)



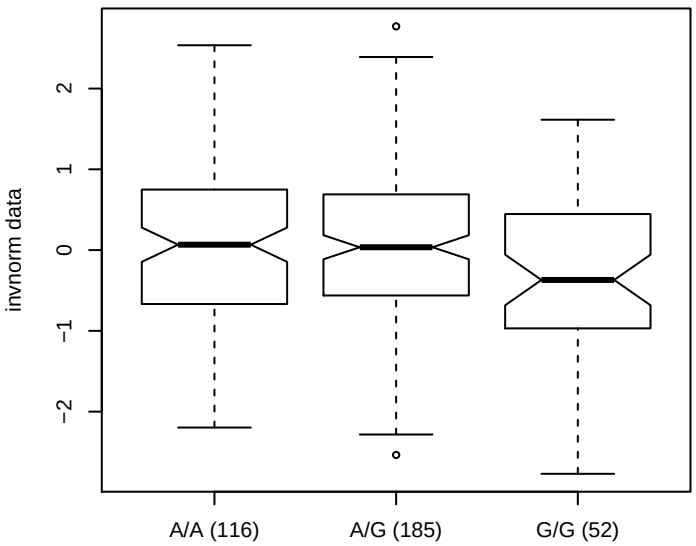
rs12554580 (Chr9:136128603)
Locus 354 sentinel (tags KORA rs8176720), p=0.074, FC=−1.0345

ATS13 (Uniprot: Q76LX8, ProbeID: 3175−51_5)

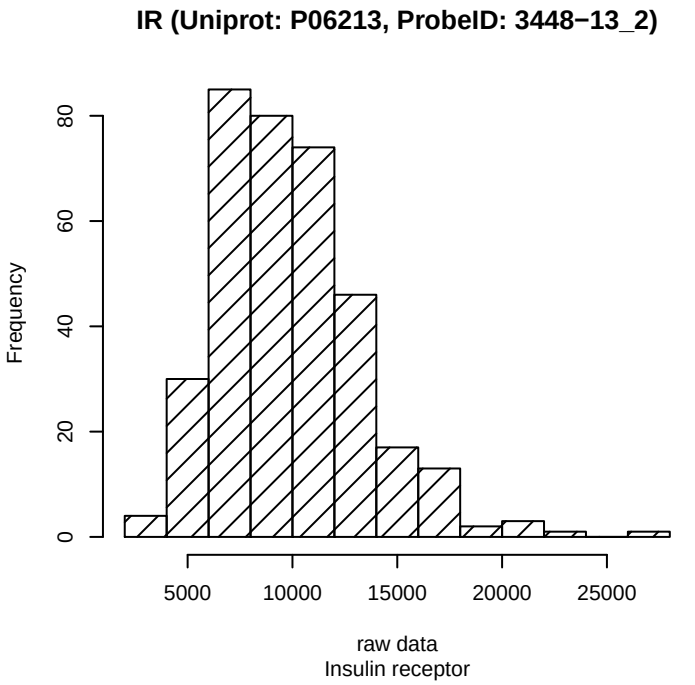


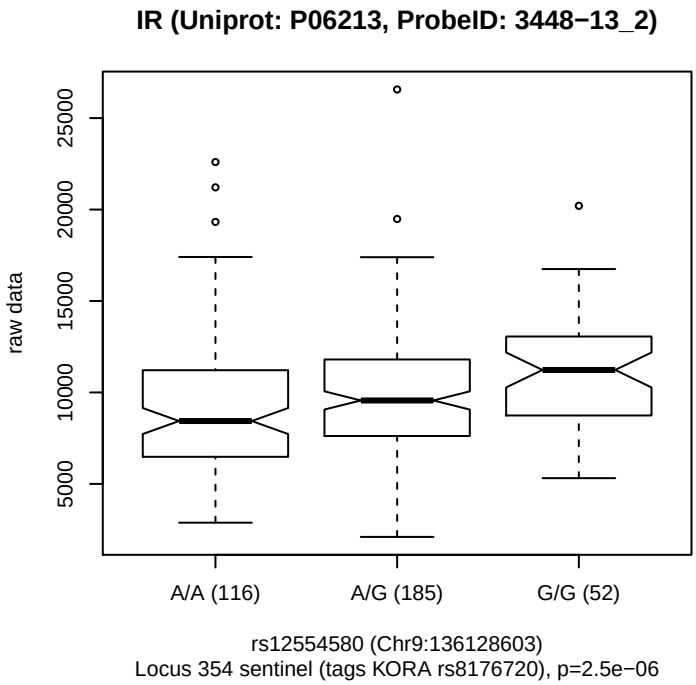
invnorm data
A disintegrin and metalloproteinase with thrombospondin motifs 13

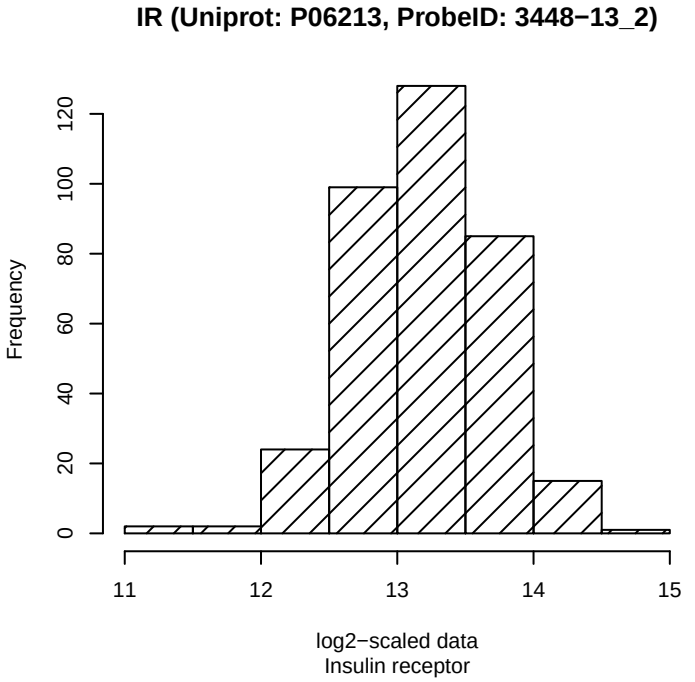
ATS13 (Uniprot: Q76LX8, ProbeID: 3175−51_5)

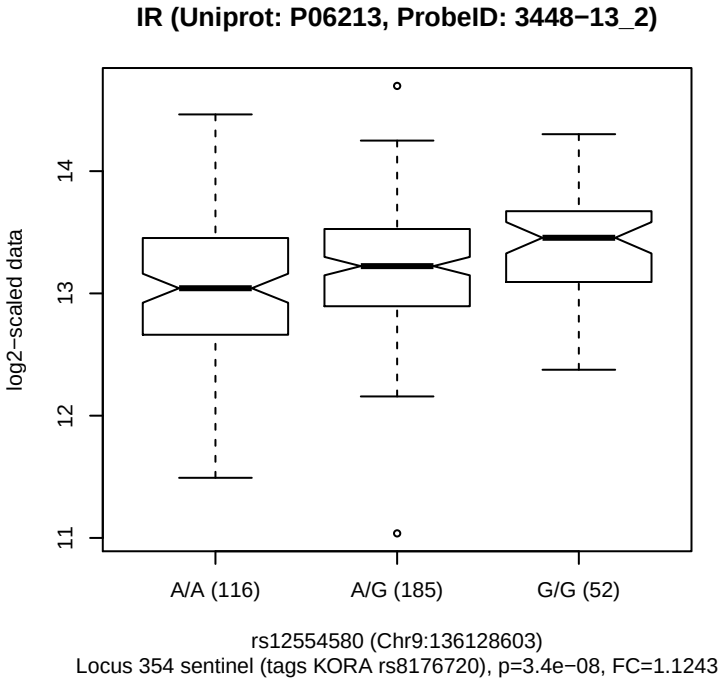


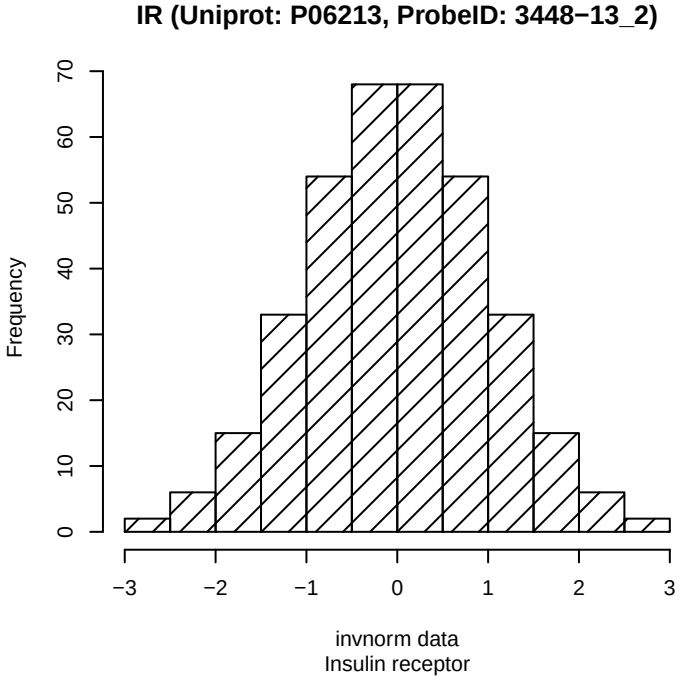
rs12554580 (Chr9:136128603)
Locus 354 sentinel (tags KORA rs8176720), p=0.11

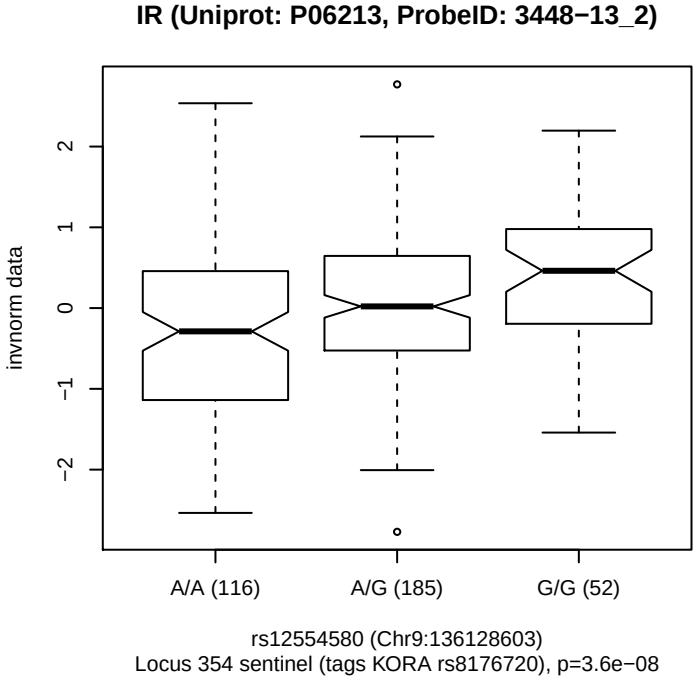

IR (Uniprot: P06213, ProbeID: 3448−13_2)
Frequency
0
20
40
60
80
5000
10000
15000
20000
25000
raw data
Insulin receptor

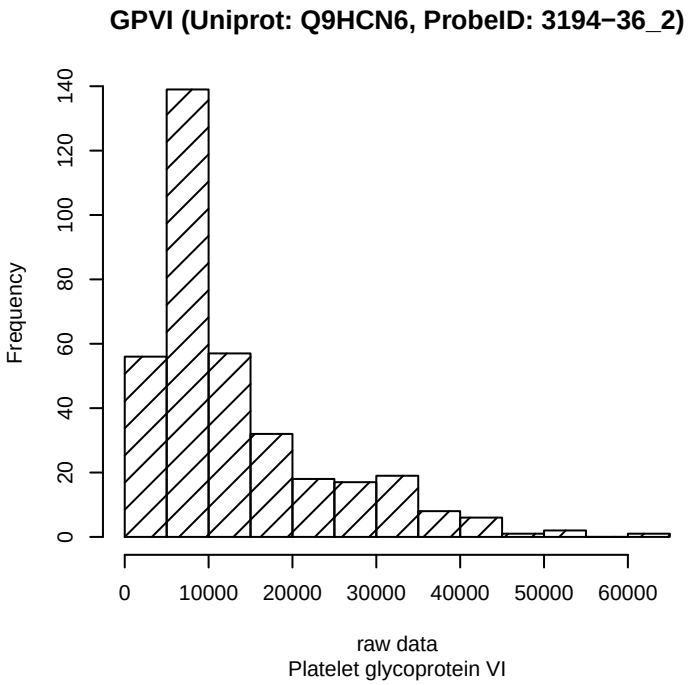

IR (Uniprot: P06213, ProbeID: 3448−13_2)
raw data
5000
10000
15000
20000
25000
A/A (116)
A/G (185)
G/G (52)
rs12554580 (Chr9:136128603)
Locus 354 sentinel (tags KORA rs8176720), p=2.5e−06

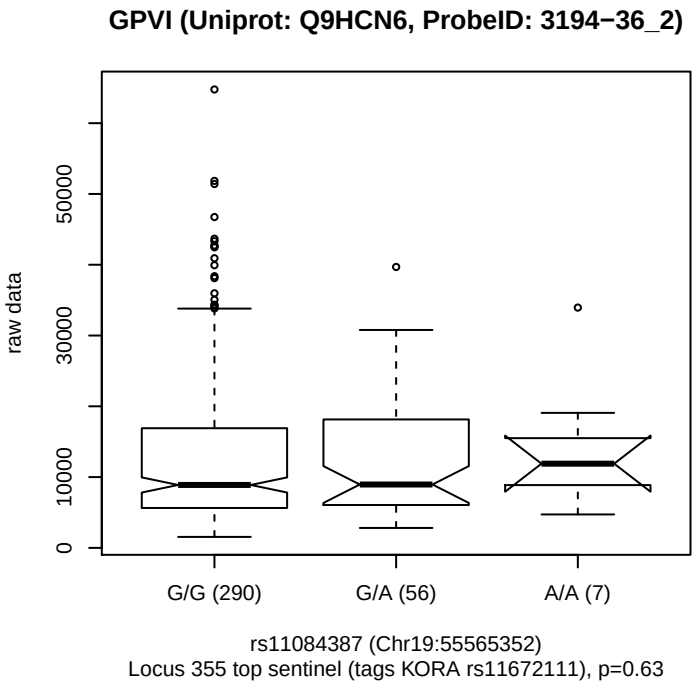

IR (Uniprot: P06213, ProbeID: 3448−13_2)
Frequency
0
20
40
60
80
100
120
11
12
13
14
15
log2−scaled data
Insulin receptor

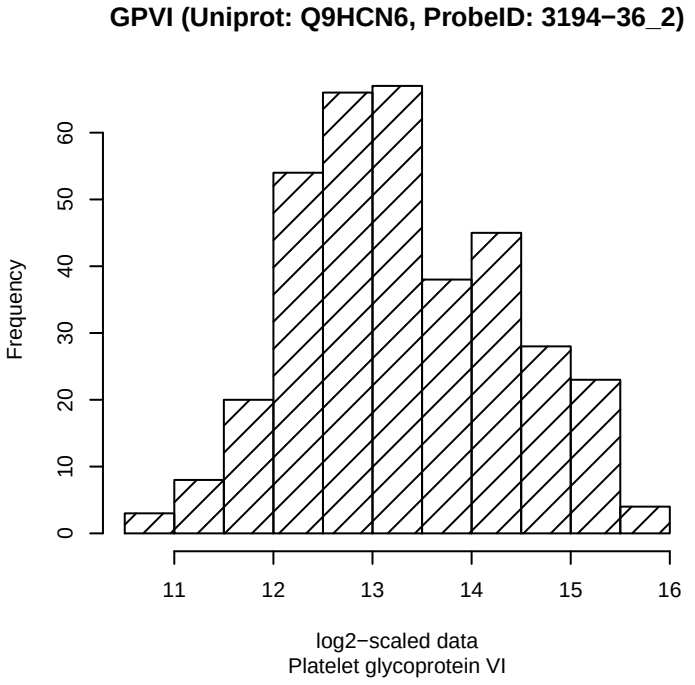

IR (Uniprot: P06213, ProbeID: 3448−13_2)
log2−scaled data
11
12
13
14
A/A (116)
A/G (185)
G/G (52)
rs12554580 (Chr9:136128603)
Locus 354 sentinel (tags KORA rs8176720), p=3.4e−08, FC=1.1243

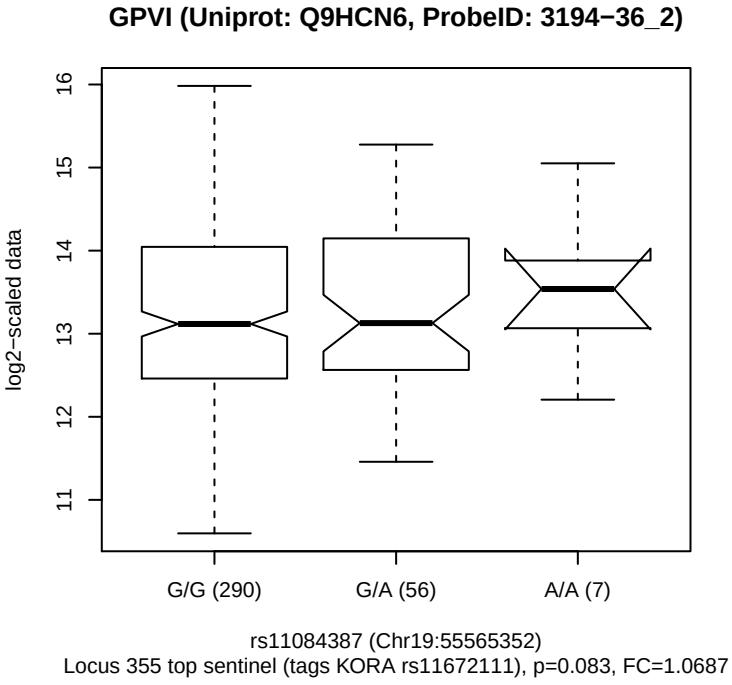

IR (Uniprot: P06213, ProbeID: 3448−13_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Insulin receptor

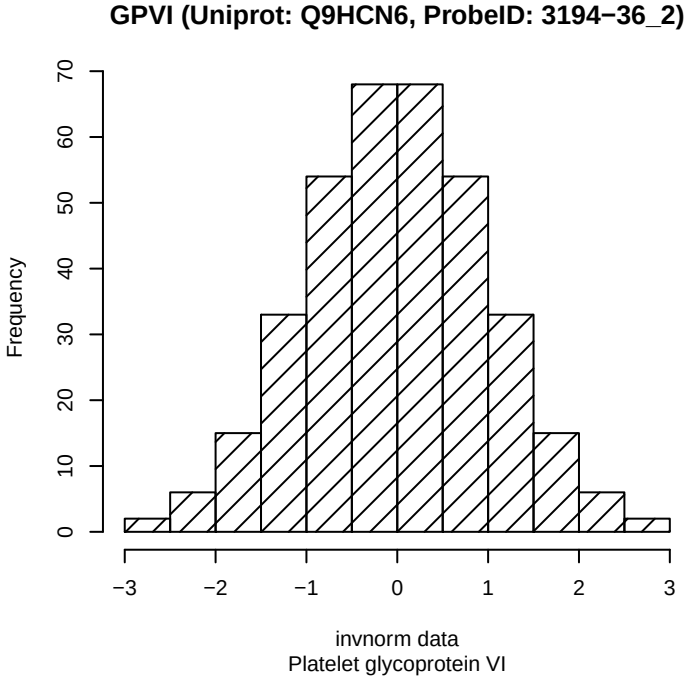

IR (Uniprot: P06213, ProbeID: 3448−13_2)
invnorm data
−2
−1
0
1
2
A/A (116)
A/G (185)
G/G (52)
rs12554580 (Chr9:136128603)
Locus 354 sentinel (tags KORA rs8176720), p=3.6e−08

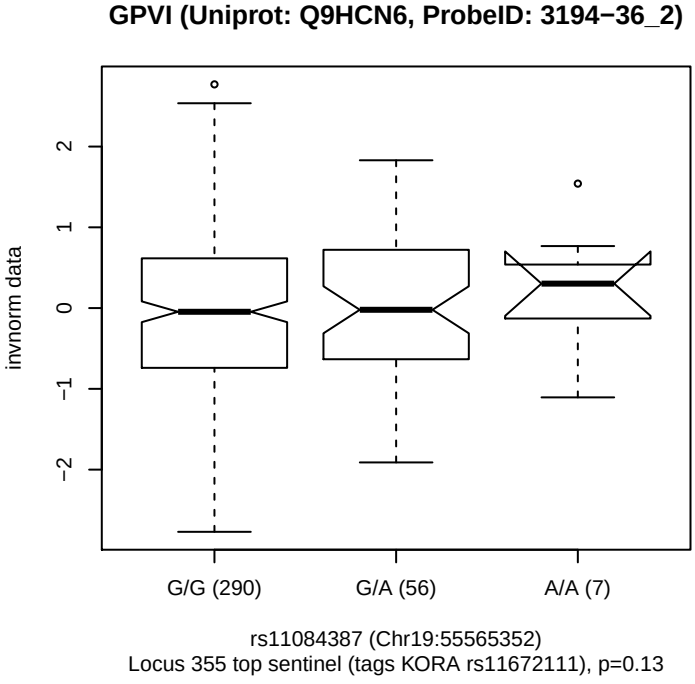

GPVI (Uniprot: Q9HCN6, ProbeID: 3194−36_2)
Frequency
0
20
40
60
80
100
120
140
0
10000
20000
30000
40000
50000
60000
raw data
Platelet glycoprotein VI

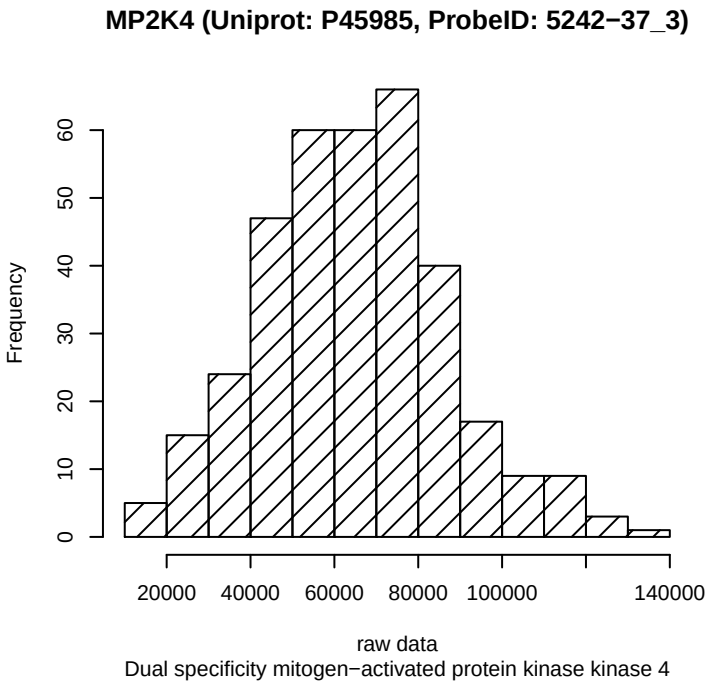

GPVI (Uniprot: Q9HCN6, ProbeID: 3194−36_2)
raw data
0
10000
30000
50000
G/G (290)
G/A (56)
A/A (7)
rs11084387 (Chr19:55565352)
Locus 355 top sentinel (tags KORA rs11672111), p=0.63

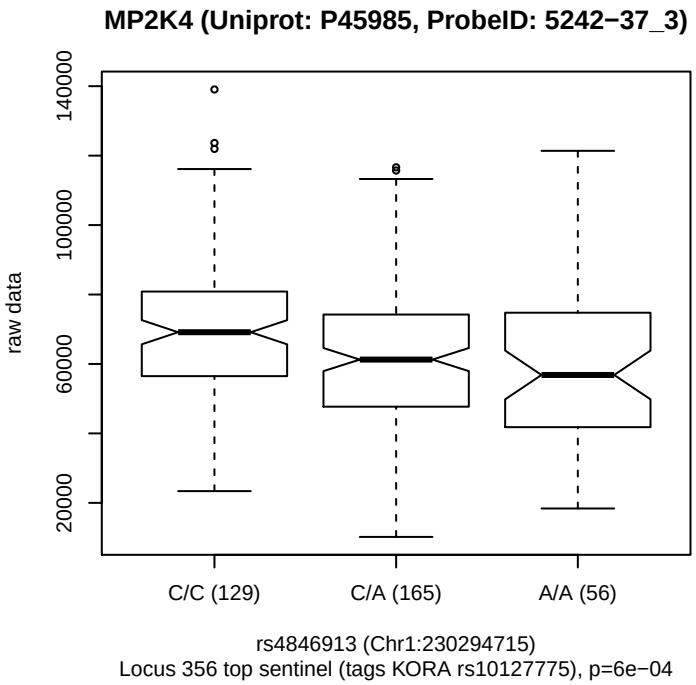

GPVI (Uniprot: Q9HCN6, ProbeID: 3194−36_2)
Frequency
0
10
20
30
40
50
60
11
12
13
14
15
16
log2−scaled data
Platelet glycoprotein VI

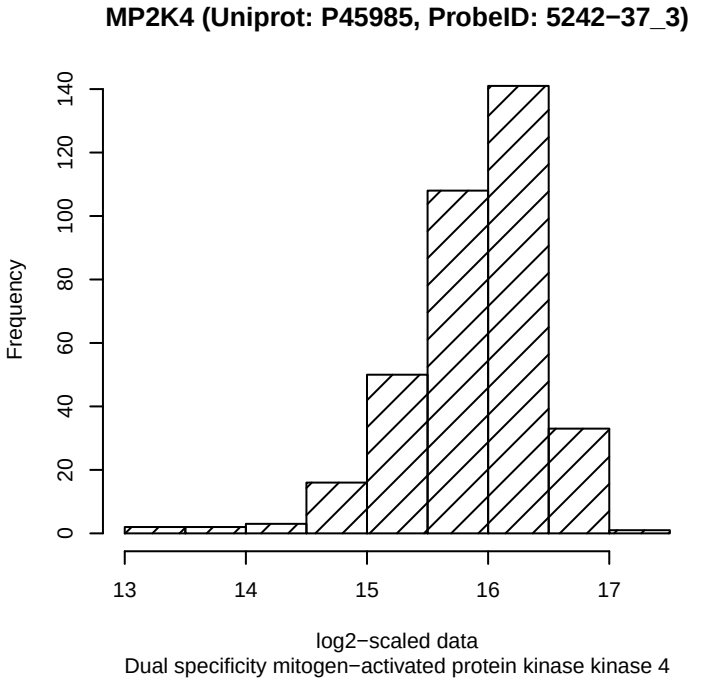

GPVI (Uniprot: Q9HCN6, ProbeID: 3194−36_2)
log2−scaled data
11
12
13
14
15
16
G/G (290)
G/A (56)
A/A (7)
rs11084387 (Chr19:55565352)
Locus 355 top sentinel (tags KORA rs11672111), p=0.083, FC=1.0687

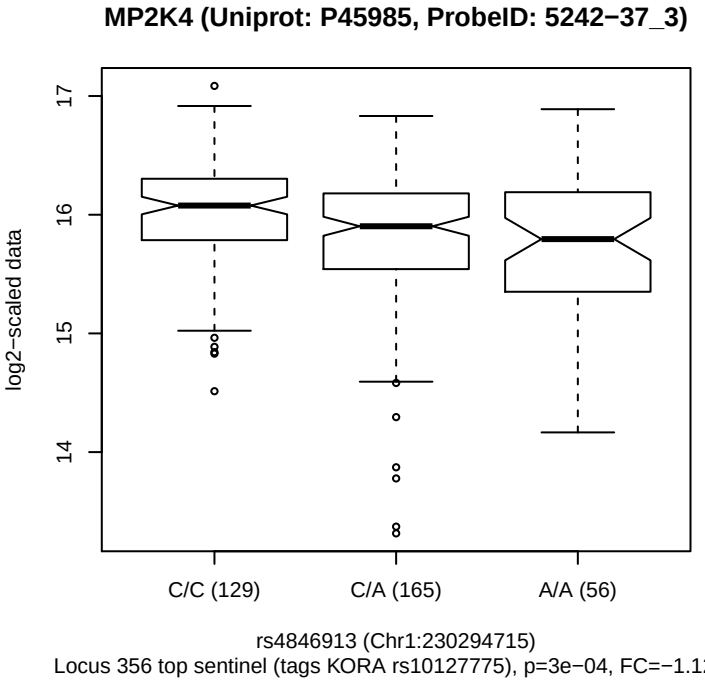

GPVI (Uniprot: Q9HCN6, ProbeID: 3194−36_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Platelet glycoprotein VI

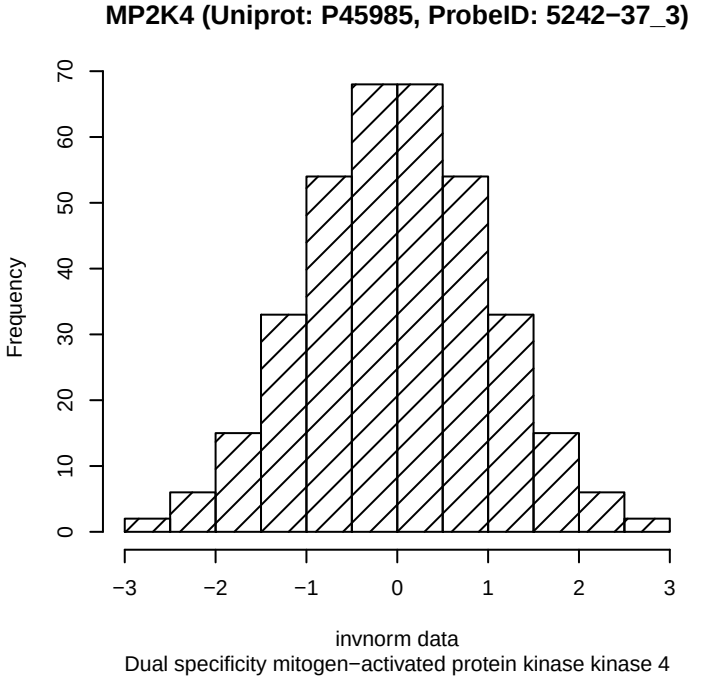

GPVI (Uniprot: Q9HCN6, ProbeID: 3194−36_2)
invnorm data
−2
−1
0
1
2
G/G (290)
G/A (56)
A/A (7)
rs11084387 (Chr19:55565352)
Locus 355 top sentinel (tags KORA rs11672111), p=0.13

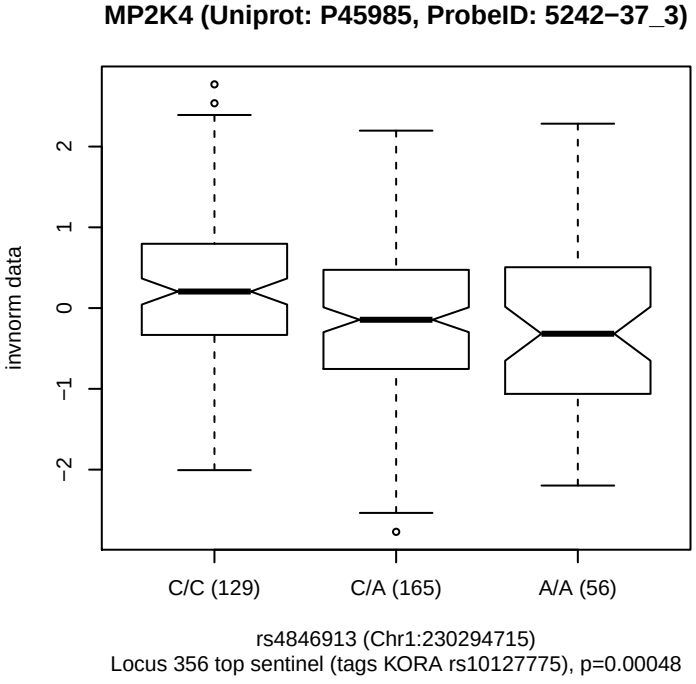

MP2K4 (Uniprot: P45985, ProbeID: 5242−37_3)
Frequency
0
10
20
30
40
50
60
20000
40000
60000
80000
100000
140000
raw data
Dual specificity mitogen−activated protein kinase kinase 4

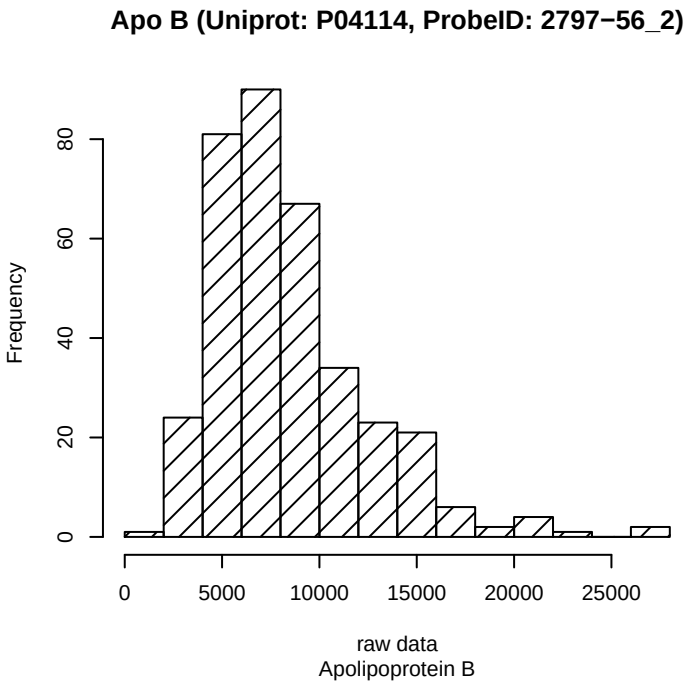

MP2K4 (Uniprot: P45985, ProbeID: 5242−37_3)
raw data
20000
60000
100000
140000
C/C (129)
C/A (165)
A/A (56)
rs4846913 (Chr1:230294715)
Locus 356 top sentinel (tags KORA rs10127775), p=6e−04

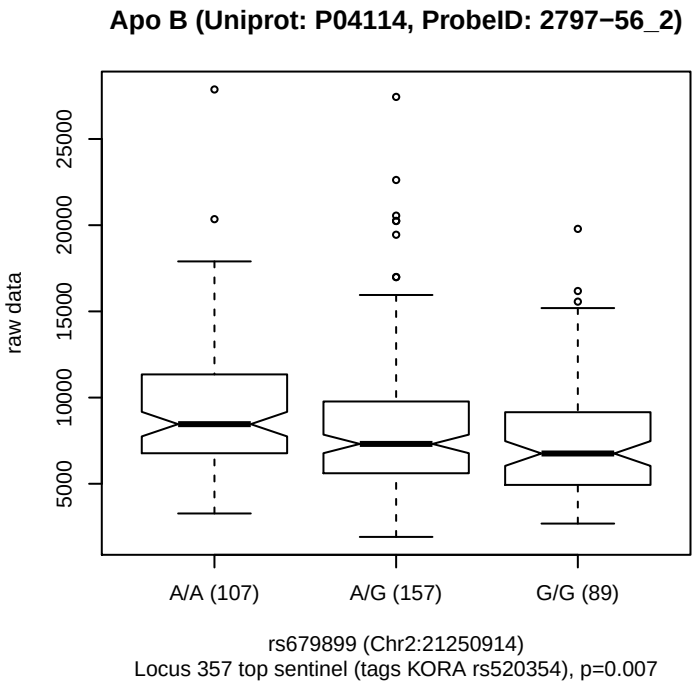

MP2K4 (Uniprot: P45985, ProbeID: 5242−37_3)
Frequency
0
20
40
60
80
100
120
140
13
14
15
16
17
log2−scaled data
Dual specificity mitogen−activated protein kinase kinase 4

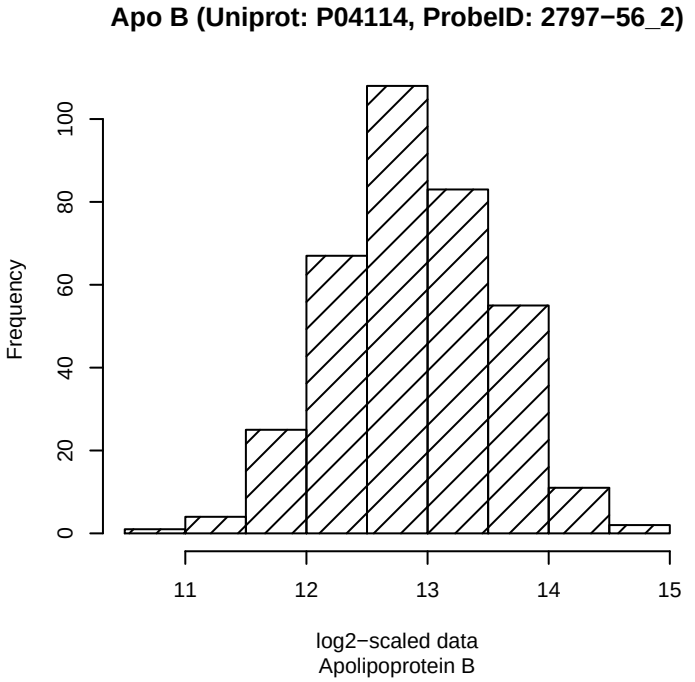

MP2K4 (Uniprot: P45985, ProbeID: 5242−37_3)
log2−scaled data
14
15
16
17
C/C (129)
C/A (165)
A/A (56)
rs4846913 (Chr1:230294715)
Locus 356 top sentinel (tags KORA rs10127775), p=3e−04, FC=−1.1206

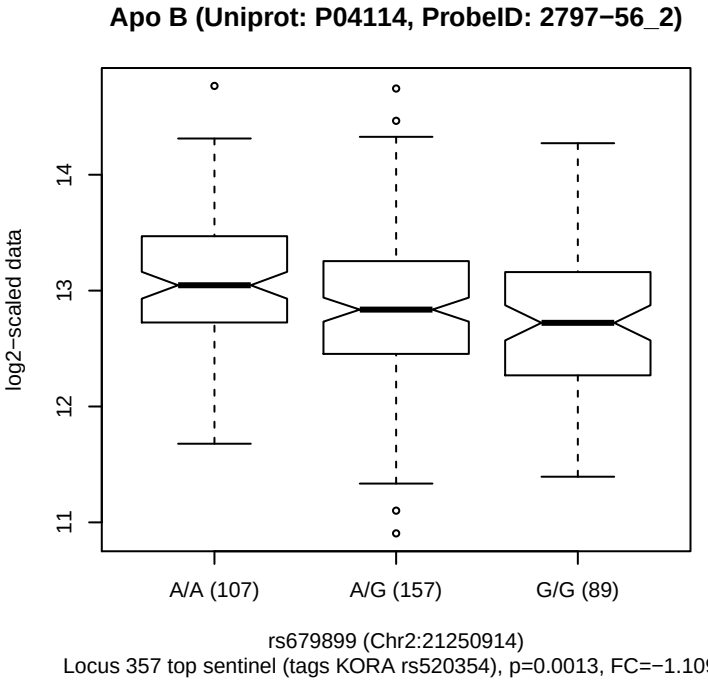

MP2K4 (Uniprot: P45985, ProbeID: 5242−37_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Dual specificity mitogen−activated protein kinase kinase 4

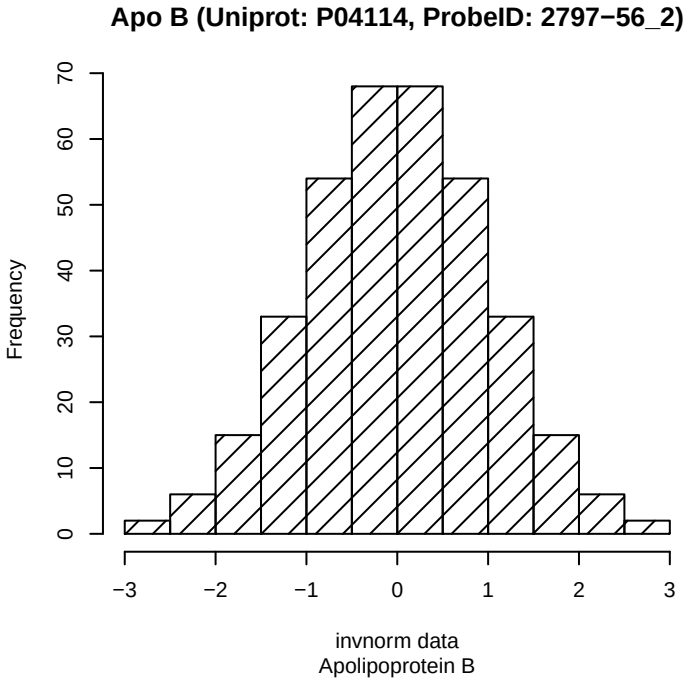

MP2K4 (Uniprot: P45985, ProbeID: 5242−37_3)
invnorm data
−2
−1
0
1
2
C/C (129)
C/A (165)
A/A (56)
rs4846913 (Chr1:230294715)
Locus 356 top sentinel (tags KORA rs10127775), p=0.00048

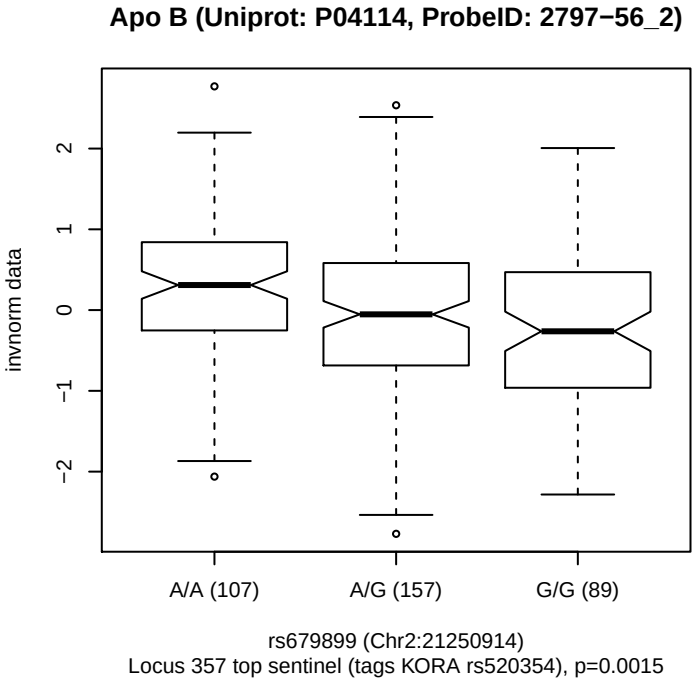

Apo B (Uniprot: P04114, ProbeID: 2797−56_2)
Frequency
0
20
40
60
80
0
5000
10000
15000
20000
25000
raw data
Apolipoprotein B

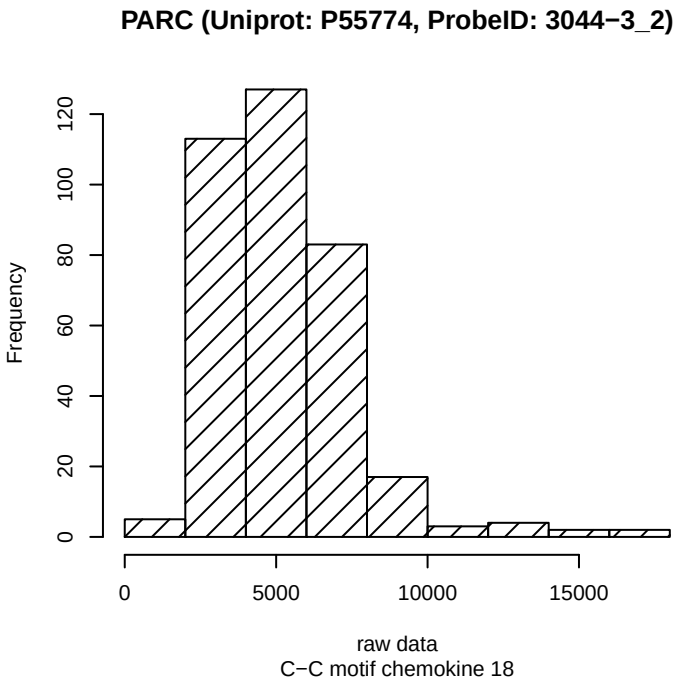

Apo B (Uniprot: P04114, ProbeID: 2797−56_2)
raw data
5000
10000
15000
20000
25000
A/A (107)
A/G (157)
G/G (89)
rs679899 (Chr2:21250914)
Locus 357 top sentinel (tags KORA rs520354), p=0.007

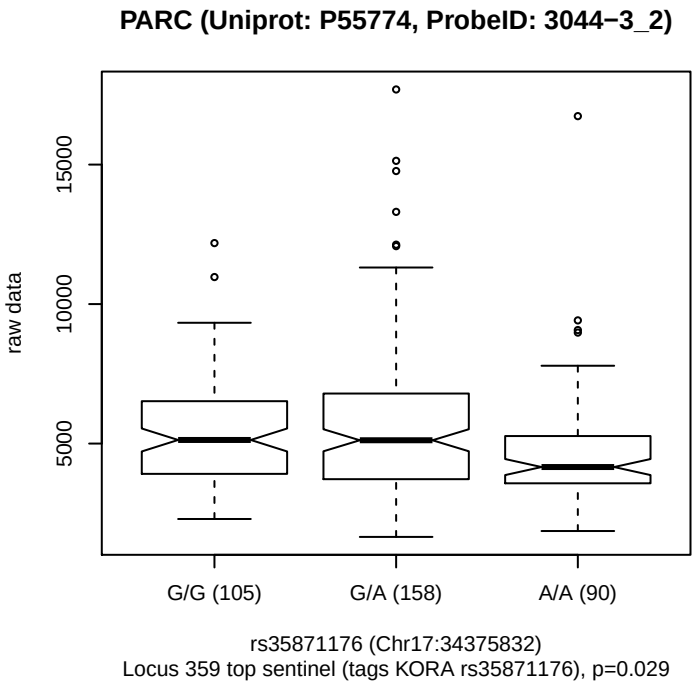

Apo B (Uniprot: P04114, ProbeID: 2797−56_2)
Frequency
0
20
40
60
80
100
11
12
13
14
15
log2−scaled data
Apolipoprotein B

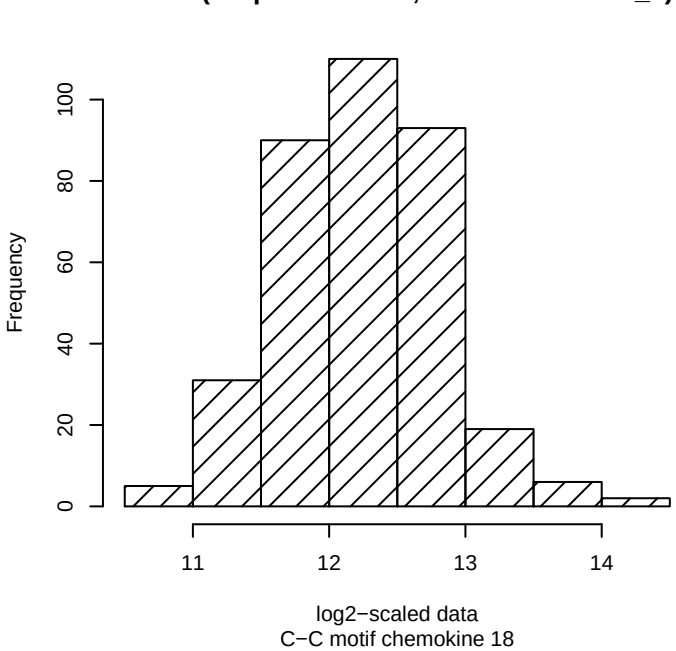

Apo B (Uniprot: P04114, ProbeID: 2797−56_2)
log2−scaled data
11
12
13
14
A/A (107)
A/G (157)
G/G (89)
rs679899 (Chr2:21250914)
Locus 357 top sentinel (tags KORA rs520354), p=0.0013, FC=−1.1099

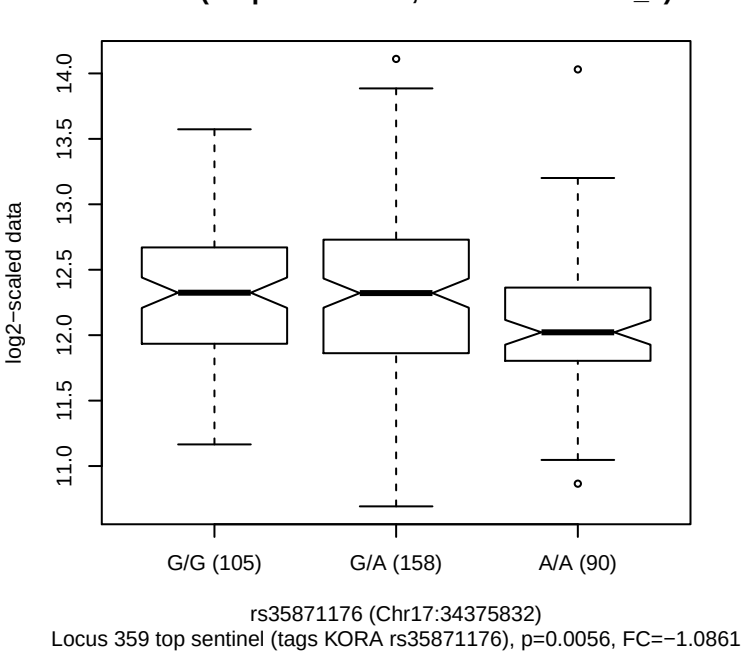

Apo B (Uniprot: P04114, ProbeID: 2797−56_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Apolipoprotein B

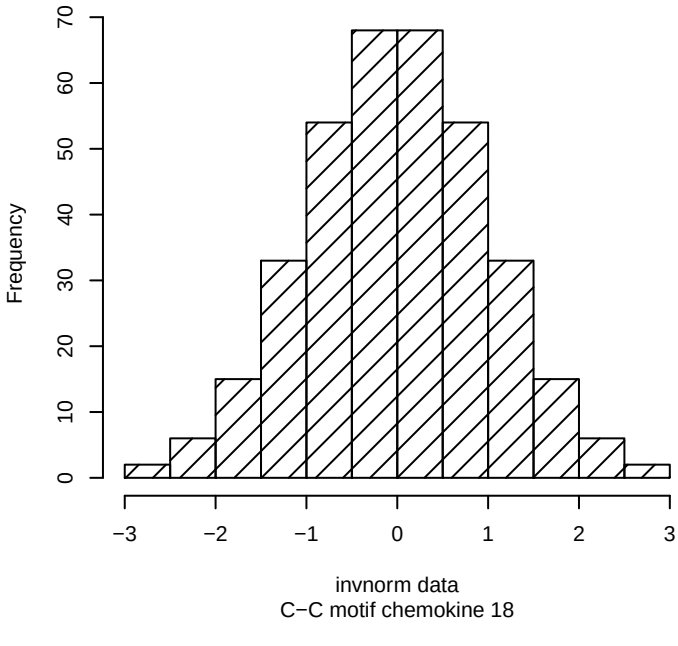

Apo B (Uniprot: P04114, ProbeID: 2797−56_2)
invnorm data
−2
−1
0
1
2
A/A (107)
A/G (157)
G/G (89)
rs679899 (Chr2:21250914)
Locus 357 top sentinel (tags KORA rs520354), p=0.0015

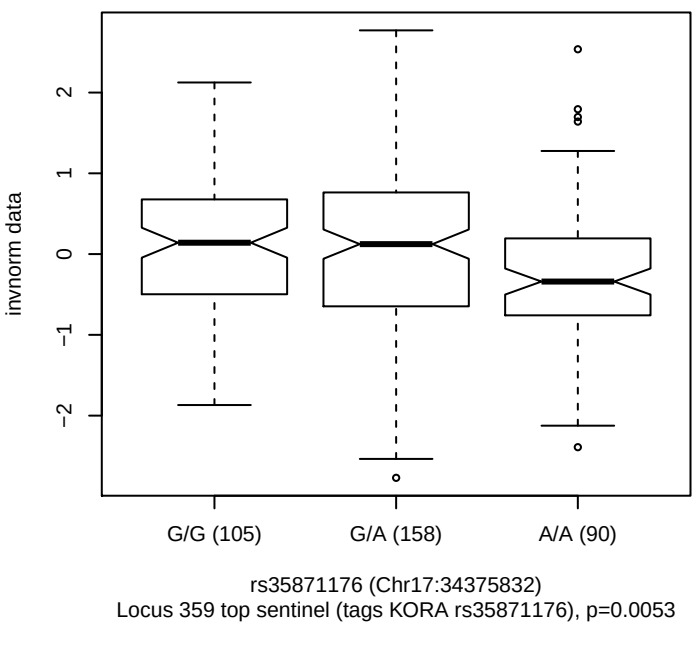

PARC (Uniprot: P55774, ProbeID: 3044−3_2)
Frequency
0
20
40
60
80
100
120
0
5000
10000
15000
raw data
C−C motif chemokine 18

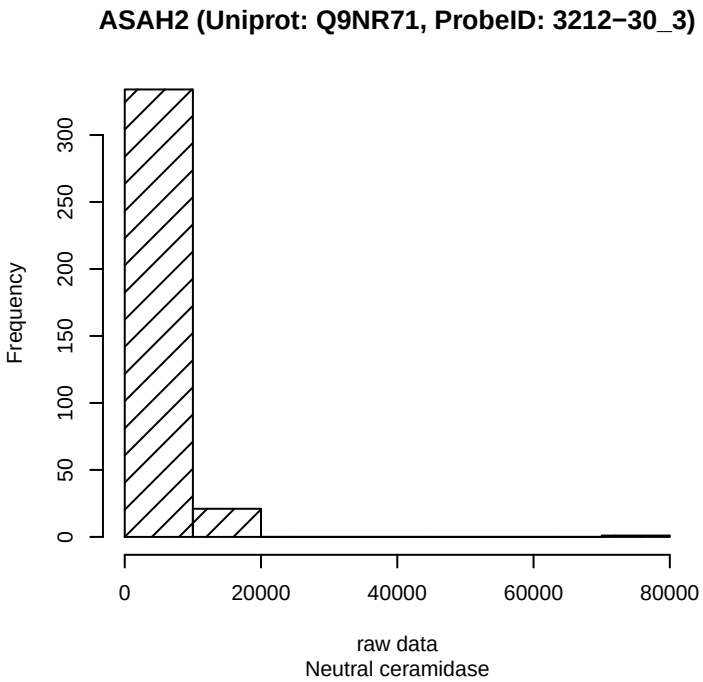

PARC (Uniprot: P55774, ProbeID: 3044−3_2)
raw data
5000
10000
15000
G/G (105)
G/A (158)
A/A (90)
rs35871176 (Chr17:34375832)
Locus 359 top sentinel (tags KORA rs35871176), p=0.029

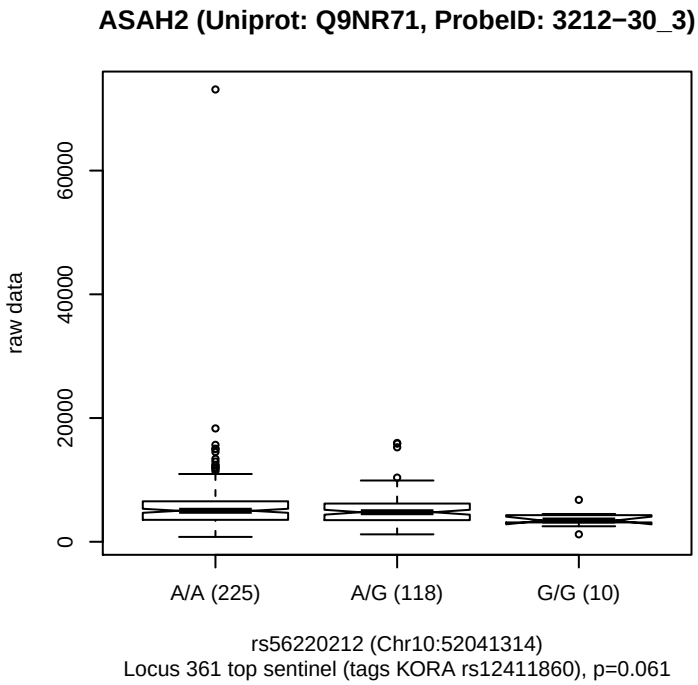

PARC (Uniprot: P55774, ProbeID: 3044−3_2)
Frequency
0
20
40
60
80
100
11
12
13
14
log2−scaled data
C−C motif chemokine 18

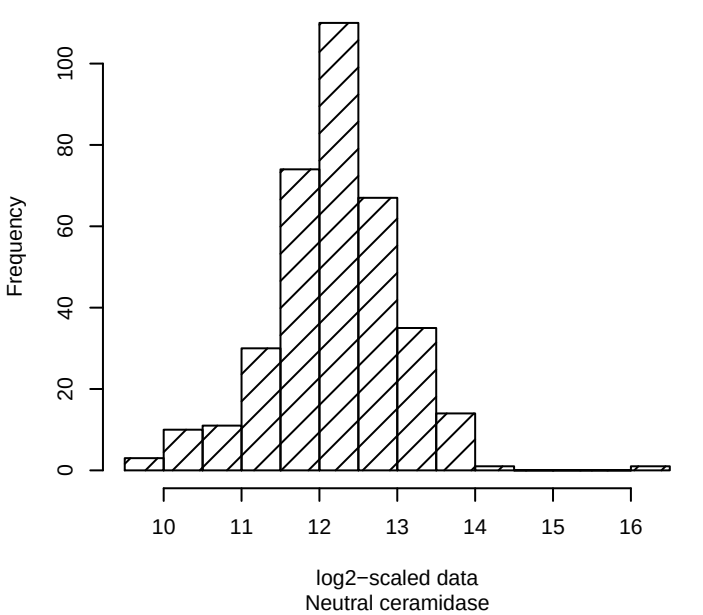

PARC (Uniprot: P55774, ProbeID: 3044−3_2)
log2−scaled data
11.0
11.5
12.0
12.5
13.0
13.5
14.0
G/G (105)
G/A (158)
A/A (90)
rs35871176 (Chr17:34375832)
Locus 359 top sentinel (tags KORA rs35871176), p=0.0056, FC=−1.0861

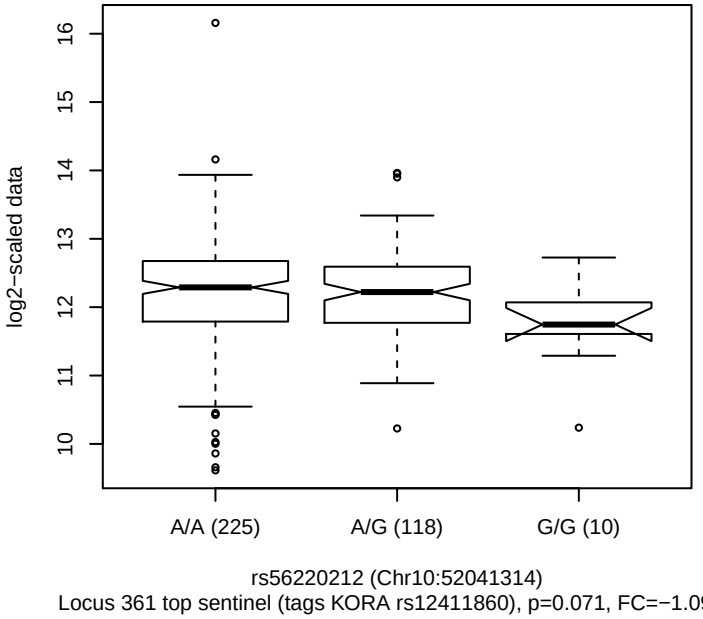

PARC (Uniprot: P55774, ProbeID: 3044−3_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 18

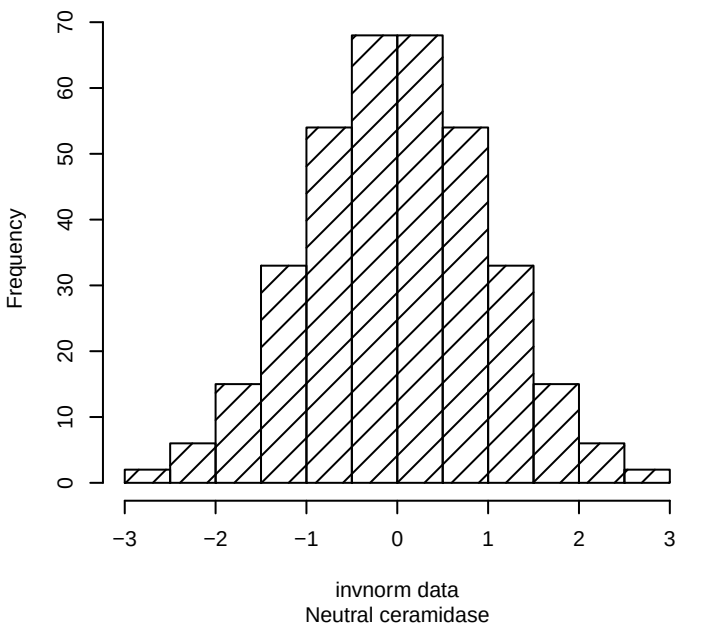

PARC (Uniprot: P55774, ProbeID: 3044−3_2)
invnorm data
−2
−1
0
1
2
G/G (105)
G/A (158)
A/A (90)
rs35871176 (Chr17:34375832)
Locus 359 top sentinel (tags KORA rs35871176), p=0.0053

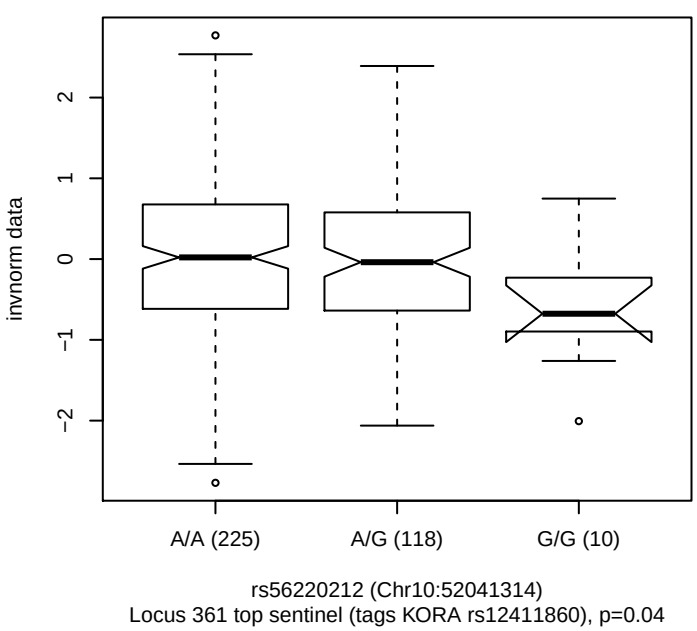

ASAH2 (Uniprot: Q9NR71, ProbeID: 3212−30_3)
Frequency
0
50
100
150
200
250
300
0
20000
40000
60000
80000
raw data
Neutral ceramidase

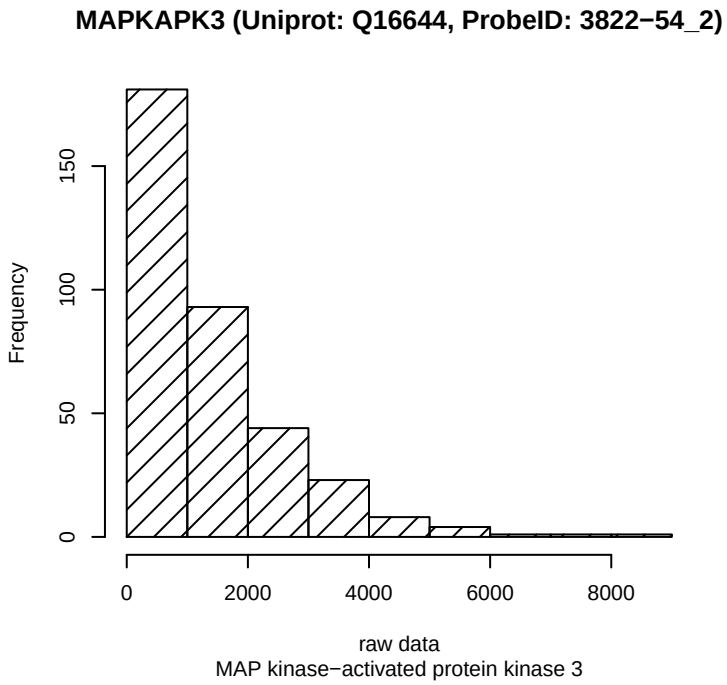

ASAH2 (Uniprot: Q9NR71, ProbeID: 3212−30_3)
raw data
0
20000
40000
60000
A/A (225)
A/G (118)
G/G (10)
rs56220212 (Chr10:52041314)
Locus 361 top sentinel (tags KORA rs12411860), p=0.061

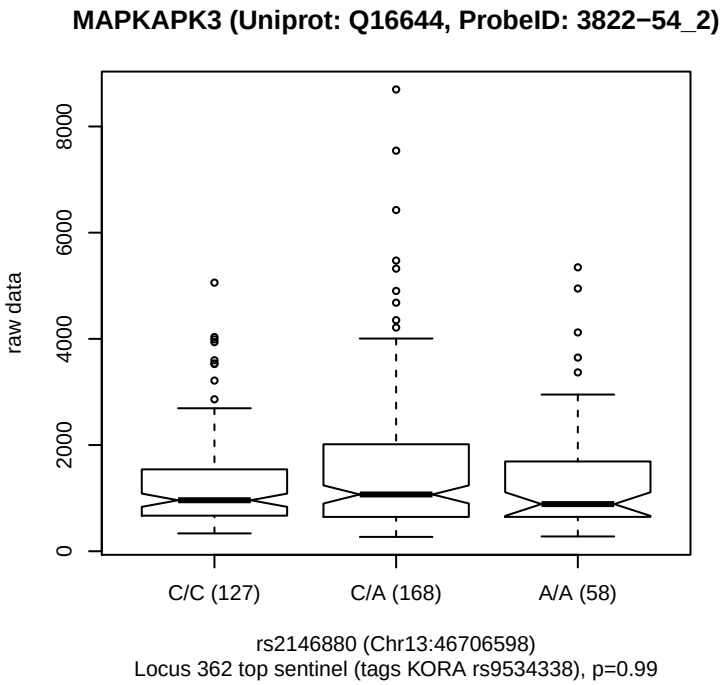

ASAH2 (Uniprot: Q9NR71, ProbeID: 3212−30_3)
Frequency
0
20
40
60
80
100
10
11
12
13
14
15
16
log2−scaled data
Neutral ceramidase

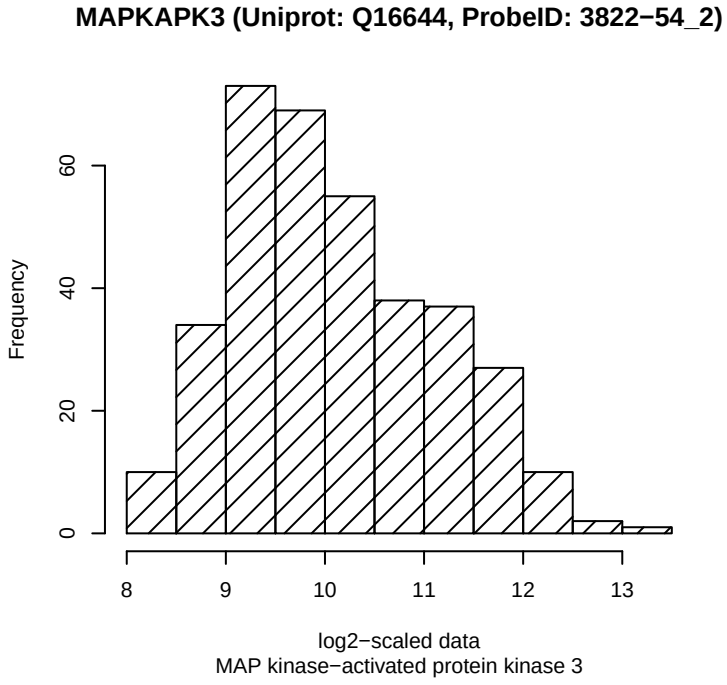

ASAH2 (Uniprot: Q9NR71, ProbeID: 3212−30_3)
log2−scaled data
10
11
12
13
14
15
16
A/A (225)
A/G (118)
G/G (10)
rs56220212 (Chr10:52041314)
Locus 361 top sentinel (tags KORA rs12411860), p=0.071, FC=−1.0952

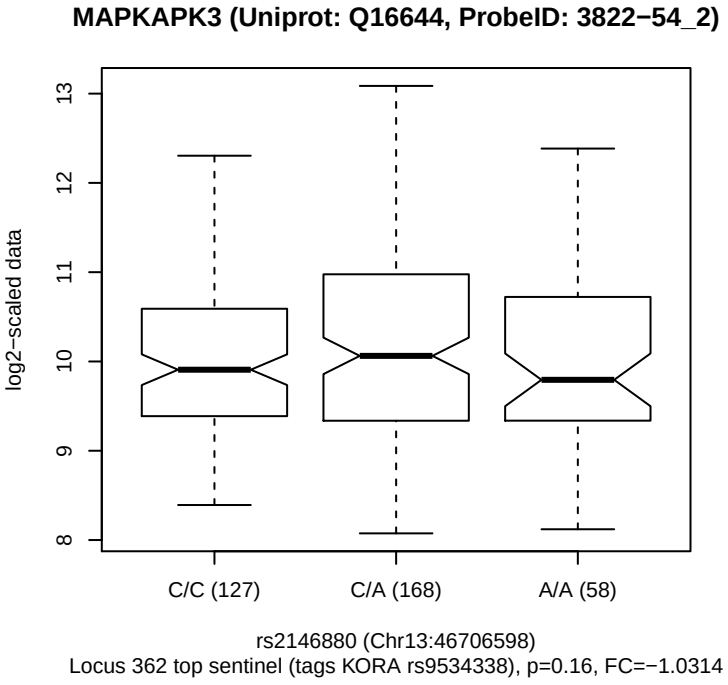

ASAH2 (Uniprot: Q9NR71, ProbeID: 3212−30_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Neutral ceramidase

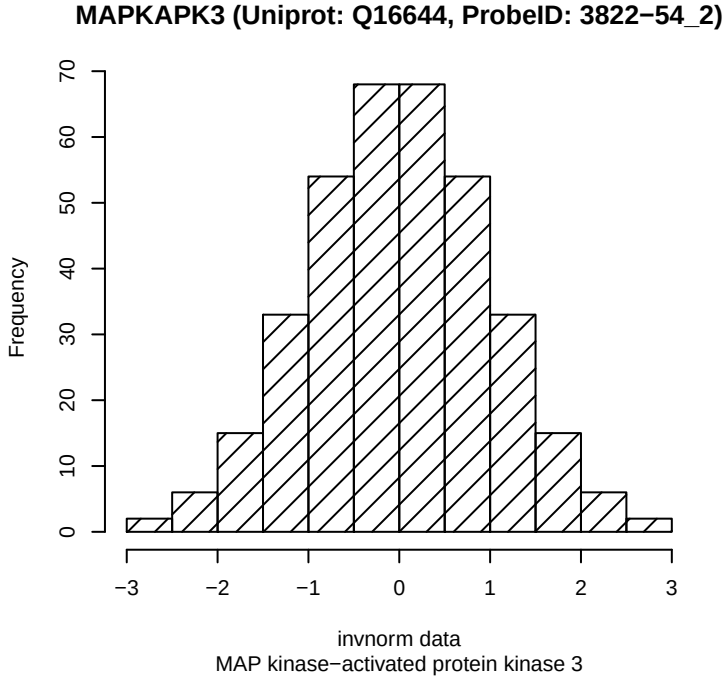

ASAH2 (Uniprot: Q9NR71, ProbeID: 3212−30_3)
invnorm data
−2
−1
0
1
2
A/A (225)
A/G (118)
G/G (10)
rs56220212 (Chr10:52041314)
Locus 361 top sentinel (tags KORA rs12411860), p=0.04

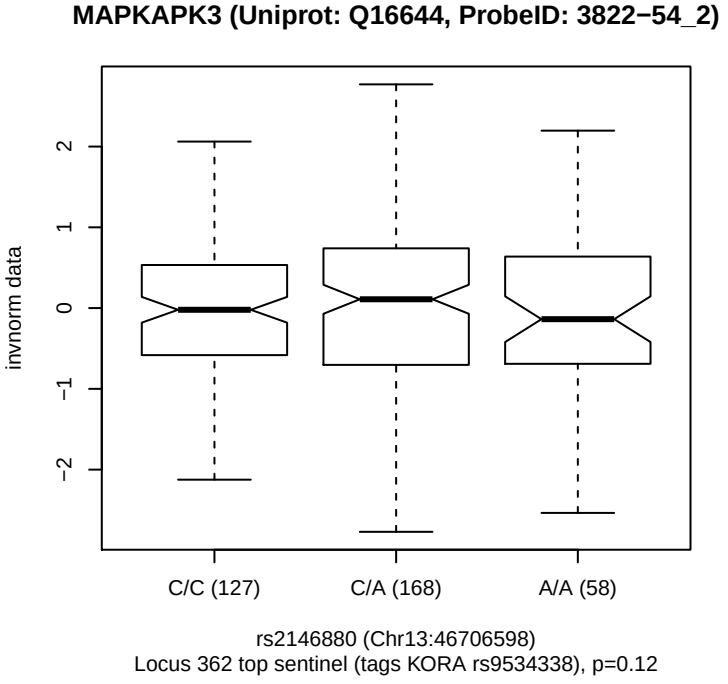

MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)
Frequency
0
50
100
150
0
2000
4000
6000
8000
raw data
MAP kinase−activated protein kinase 3

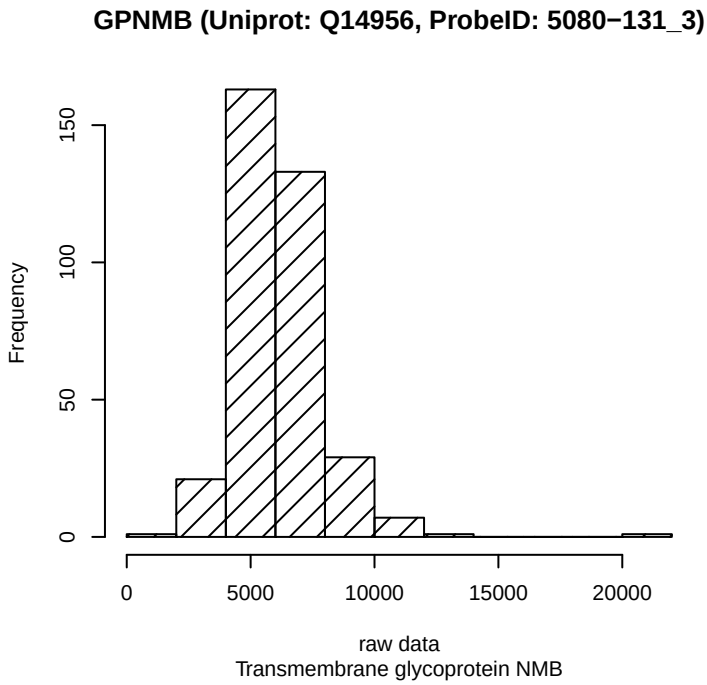

MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)
raw data
0
2000
4000
6000
8000
C/C (127)
C/A (168)
A/A (58)
rs2146880 (Chr13:46706598)
Locus 362 top sentinel (tags KORA rs9534338), p=0.99

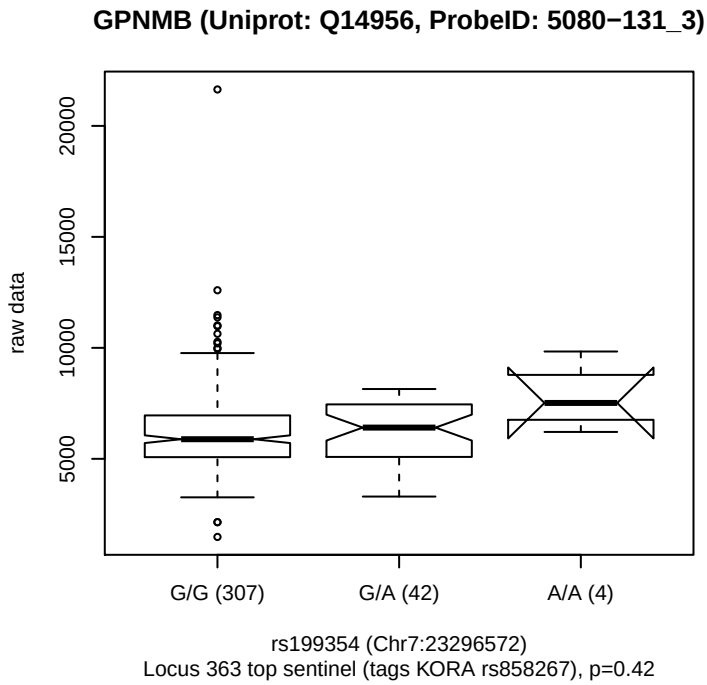

MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)
Frequency
0
20
40
60
8
9
10
11
12
13
log2−scaled data
MAP kinase−activated protein kinase 3

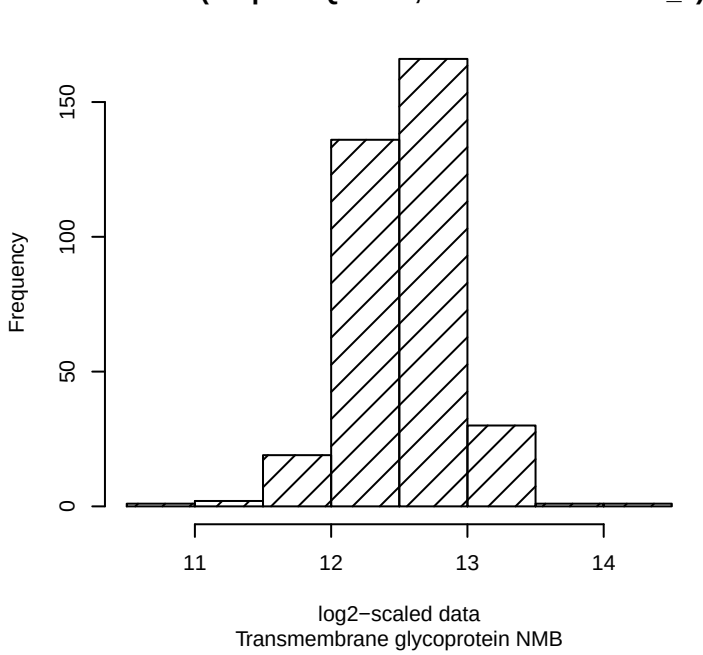

MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)
log2−scaled data
8
9
10
11
12
13
C/C (127)
C/A (168)
A/A (58)
rs2146880 (Chr13:46706598)
Locus 362 top sentinel (tags KORA rs9534338), p=0.16, FC=−1.0314

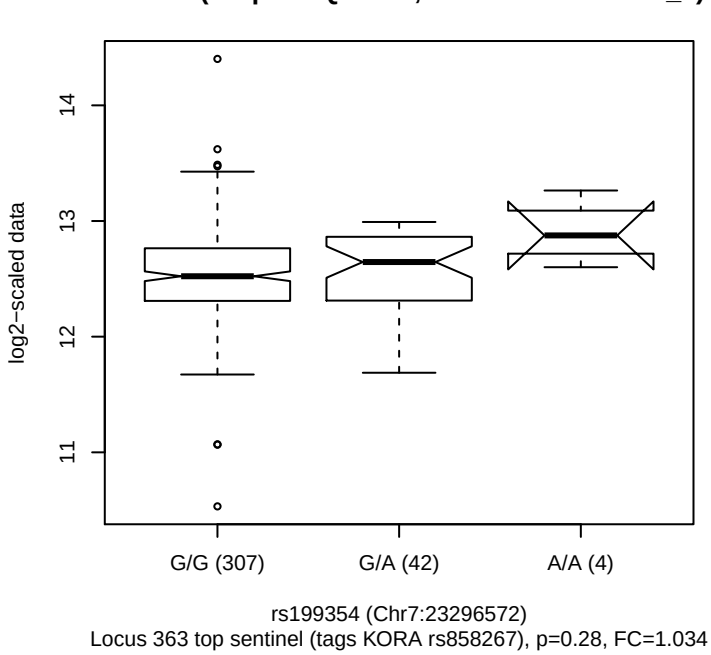

MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
MAP kinase−activated protein kinase 3

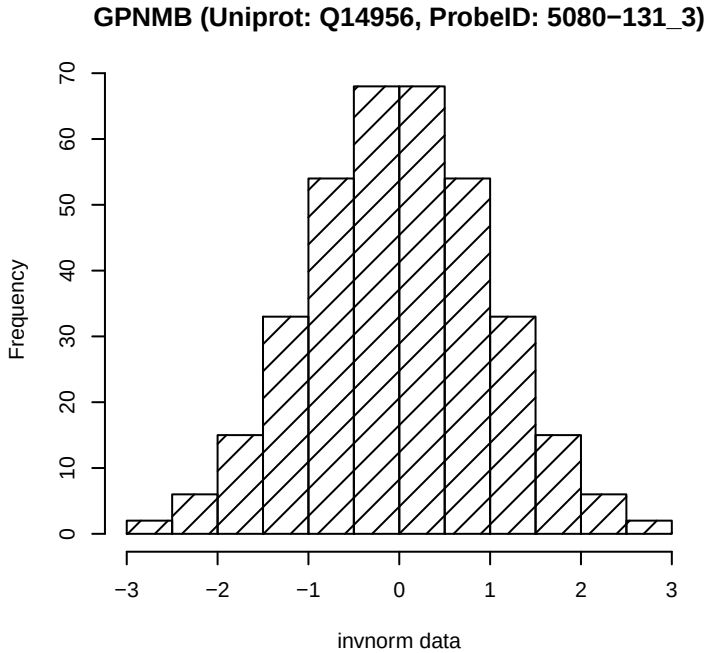

MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)
invnorm data
−2
−1
0
1
2
C/C (127)
C/A (168)
A/A (58)
rs2146880 (Chr13:46706598)
Locus 362 top sentinel (tags KORA rs9534338), p=0.12

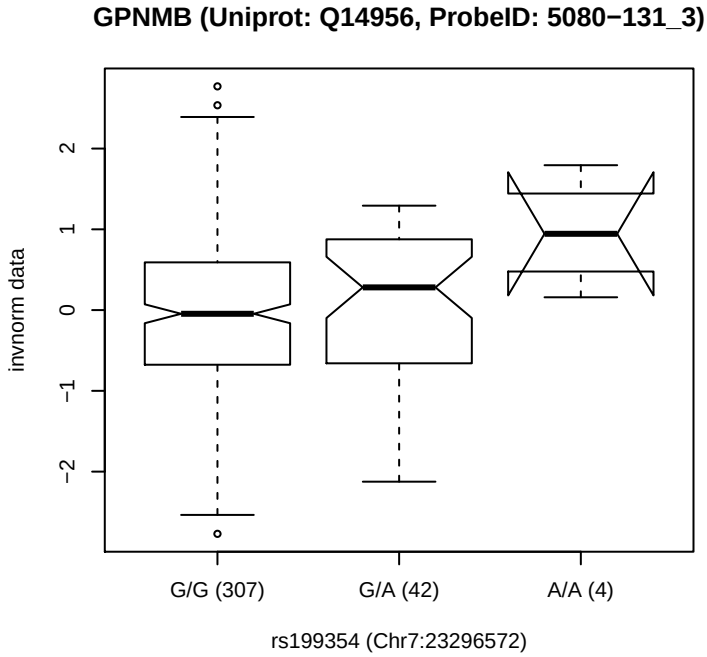

GPNMB (Uniprot: Q14956, ProbeID: 5080−131_3)
Frequency
0
50
100
150
0
5000
10000
15000
20000
raw data
Transmembrane glycoprotein NMB

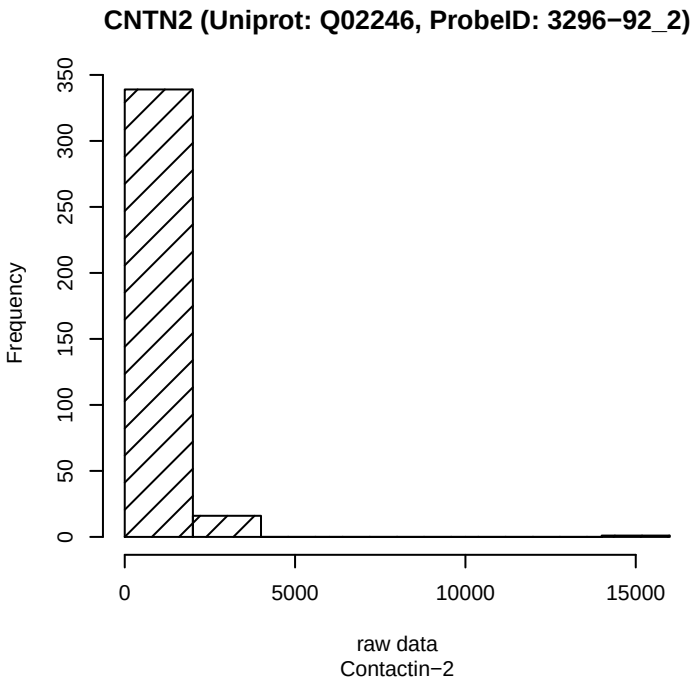

GPNMB (Uniprot: Q14956, ProbeID: 5080−131_3)
raw data
5000
10000
15000
20000
G/G (307)
G/A (42)
A/A (4)
rs199354 (Chr7:23296572)
Locus 363 top sentinel (tags KORA rs858267), p=0.42

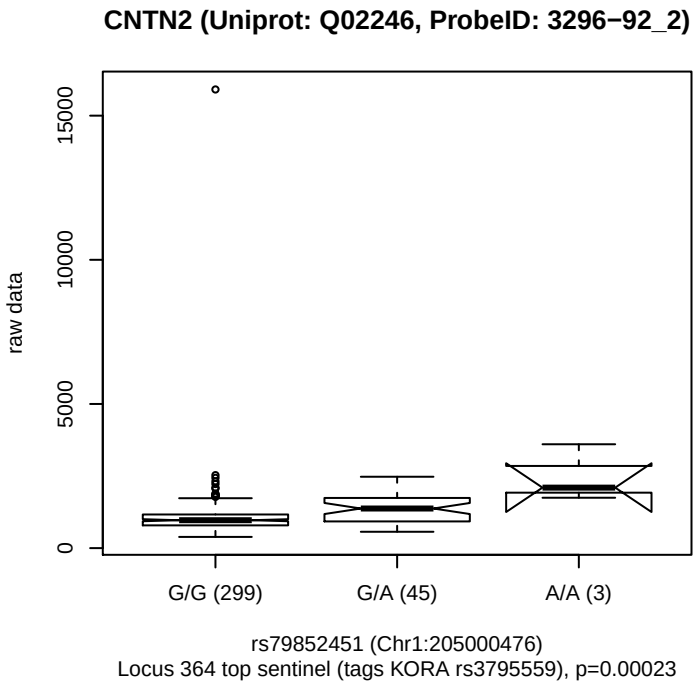

GPNMB (Uniprot: Q14956, ProbeID: 5080−131_3)
Frequency
0
50
100
150
11
12
13
14
log2−scaled data
Transmembrane glycoprotein NMB

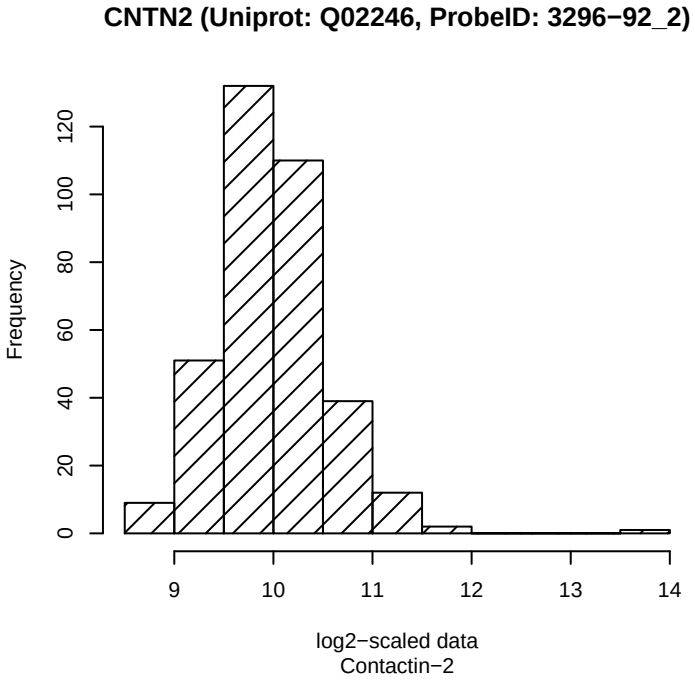

GPNMB (Uniprot: Q14956, ProbeID: 5080−131_3)
log2−scaled data
11
12
13
14
G/G (307)
G/A (42)
A/A (4)
rs199354 (Chr7:23296572)
Locus 363 top sentinel (tags KORA rs858267), p=0.28, FC=1.034

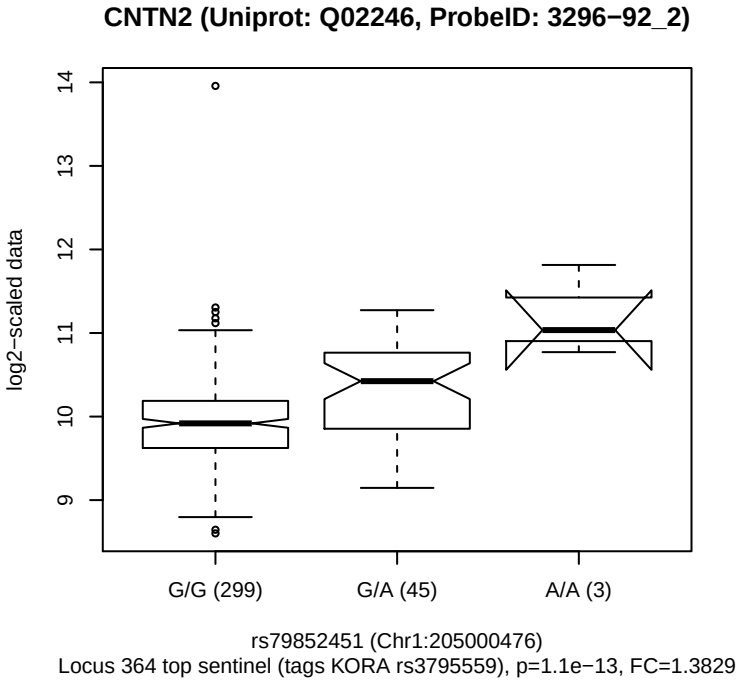

GPNMB (Uniprot: Q14956, ProbeID: 5080−131_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Transmembrane glycoprotein NMB

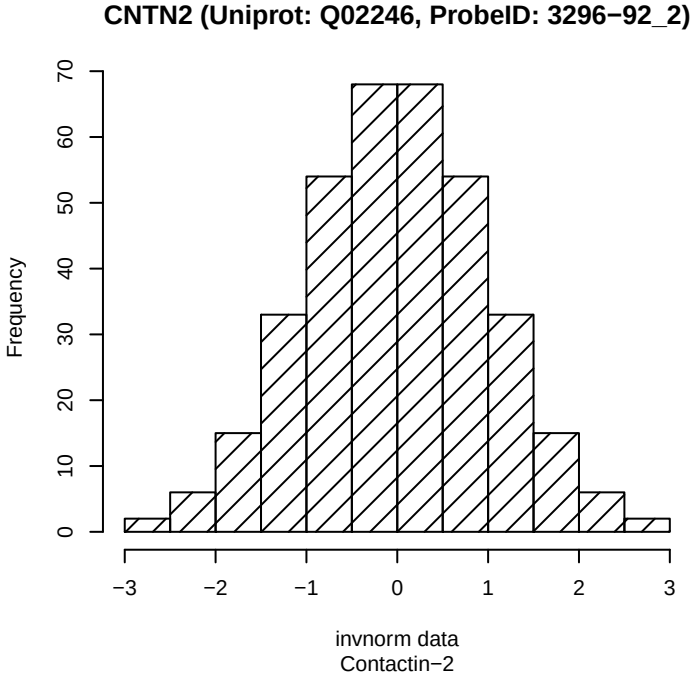

GPNMB (Uniprot: Q14956, ProbeID: 5080−131_3)
invnorm data
−2
−1
0
1
2
G/G (307)
G/A (42)
A/A (4)
rs199354 (Chr7:23296572)
Locus 363 top sentinel (tags KORA rs858267), p=0.19

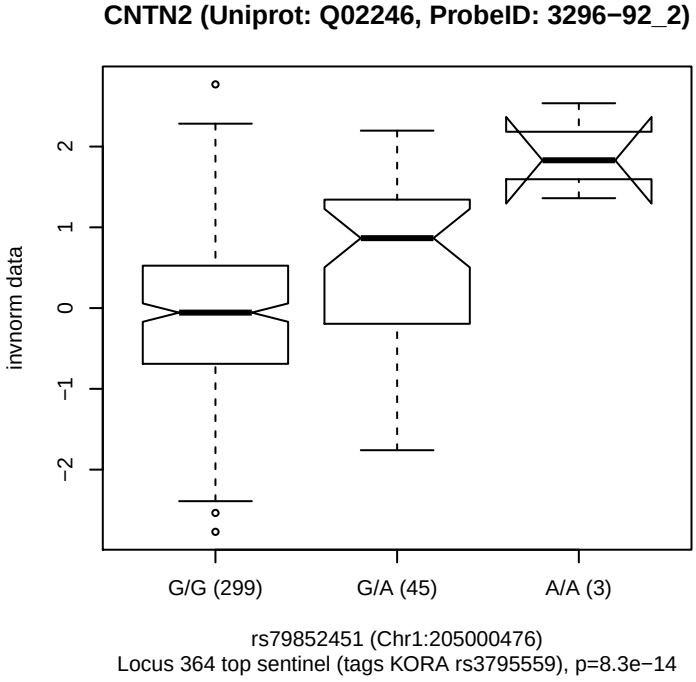

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
Frequency
0
50
100
150
200
250
300
350
0
5000
10000
15000
raw data
Contactin−2

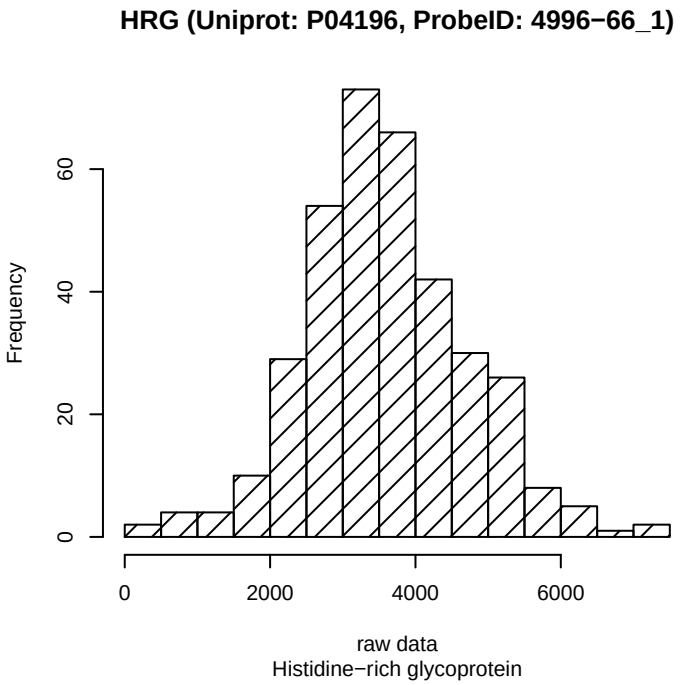

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
raw data
0
5000
10000
15000
G/G (299)
G/A (45)
A/A (3)
rs79852451 (Chr1:205000476)
Locus 364 top sentinel (tags KORA rs3795559), p=0.00023

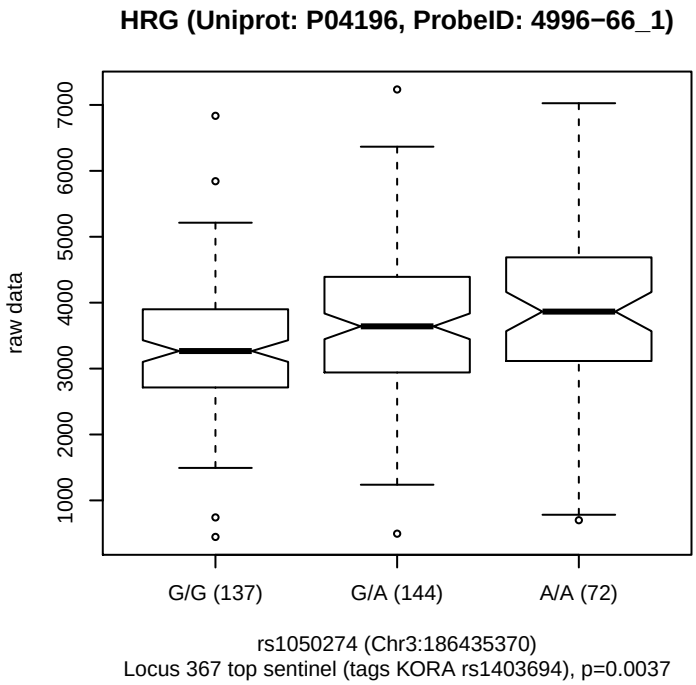

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
Frequency
0
20
40
60
80
100
120
9
10
11
12
13
14
log2−scaled data
Contactin−2

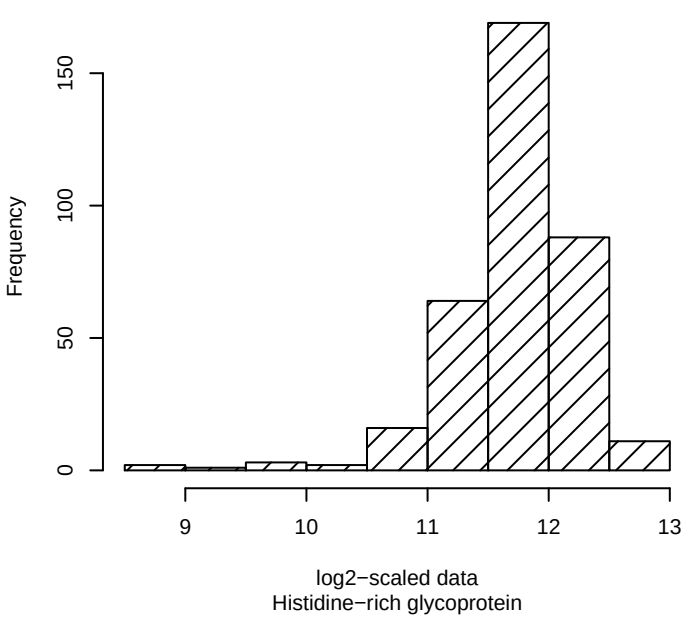

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
log2−scaled data
9
10
11
12
13
14
G/G (299)
G/A (45)
A/A (3)
rs79852451 (Chr1:205000476)
Locus 364 top sentinel (tags KORA rs3795559), p=1.1e−13, FC=1.3829

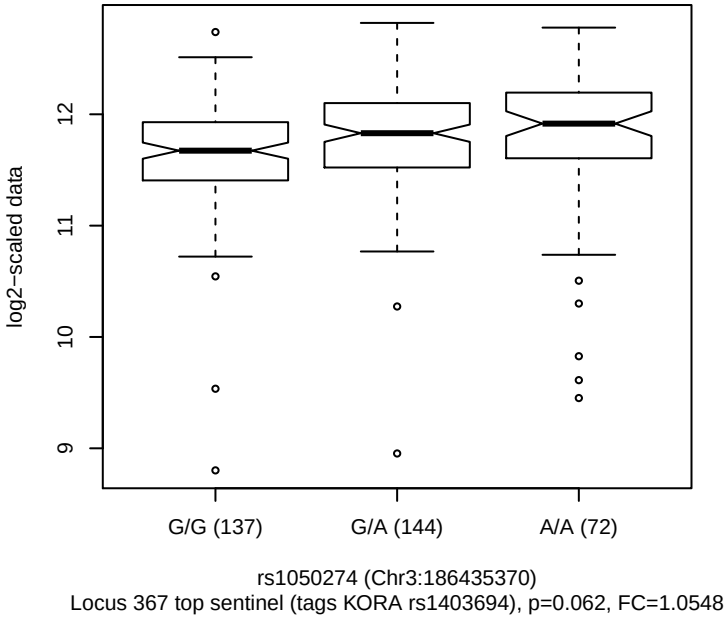

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Contactin−2

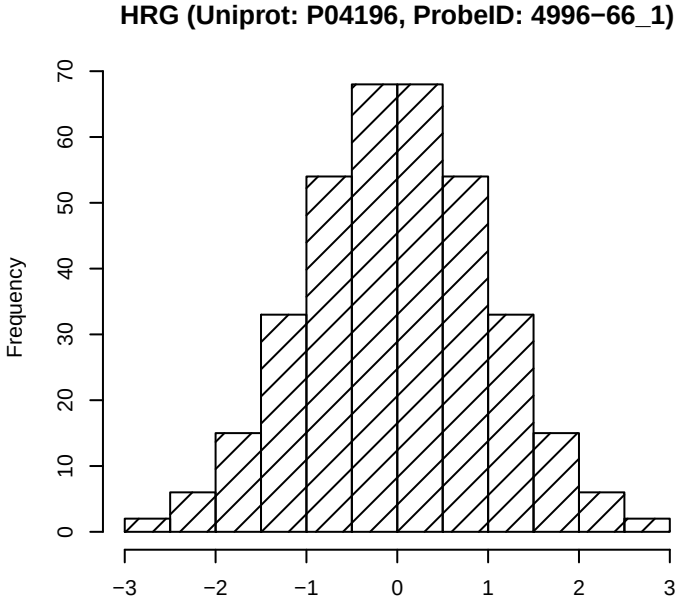

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
invnorm data
−2
−1
0
1
2
G/G (299)
G/A (45)
A/A (3)
rs79852451 (Chr1:205000476)
Locus 364 top sentinel (tags KORA rs3795559), p=8.3e−14

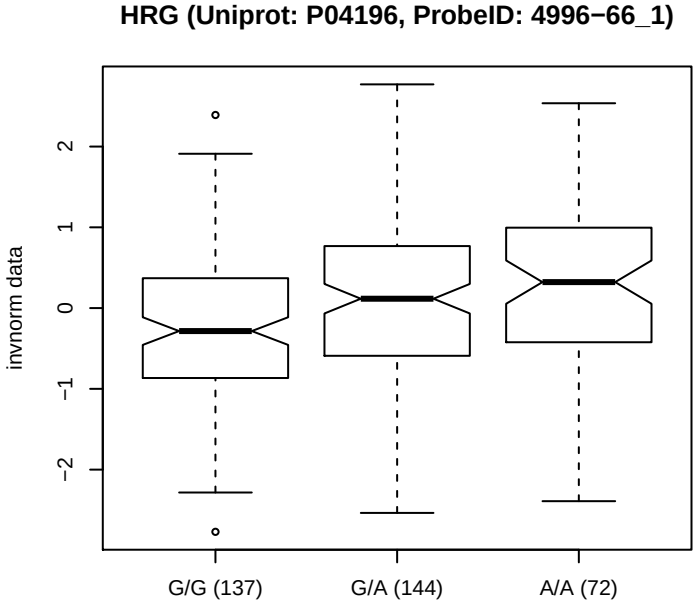

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
Frequency
0
20
40
60
0
2000
4000
6000
raw data
Histidine−rich glycoprotein

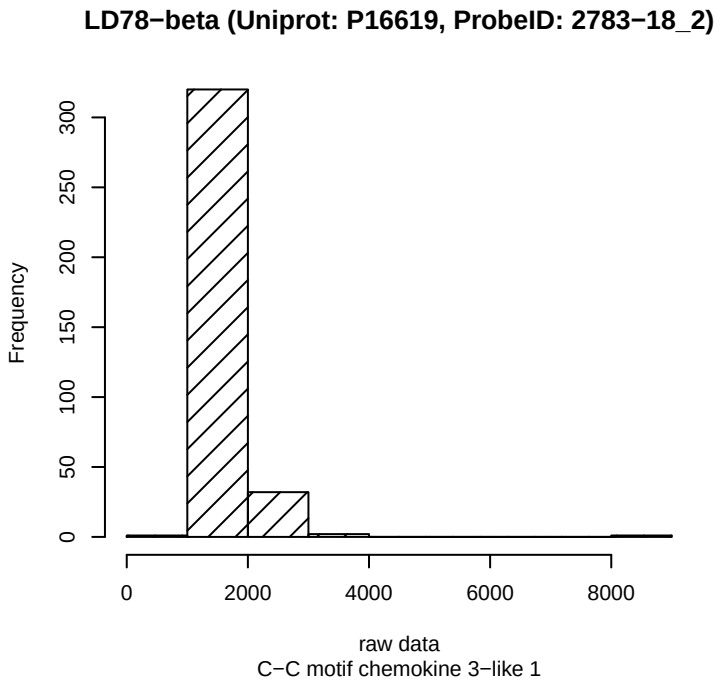

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
raw data
1000
2000
3000
4000
5000
6000
7000
G/G (137)
G/A (144)
A/A (72)
rs1050274 (Chr3:186435370)
Locus 367 top sentinel (tags KORA rs1403694), p=0.0037

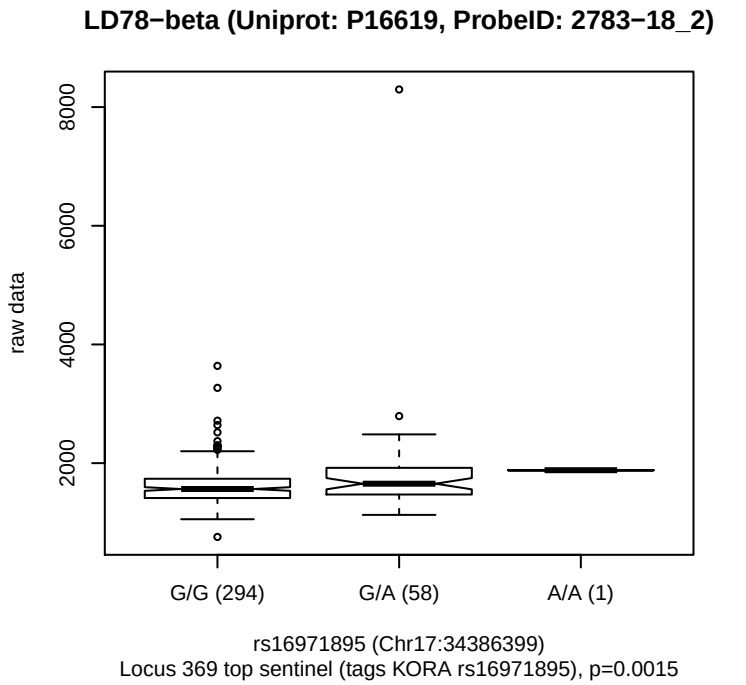

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
Frequency
0
50
100
150
9
10
11
12
13
log2−scaled data
Histidine−rich glycoprotein

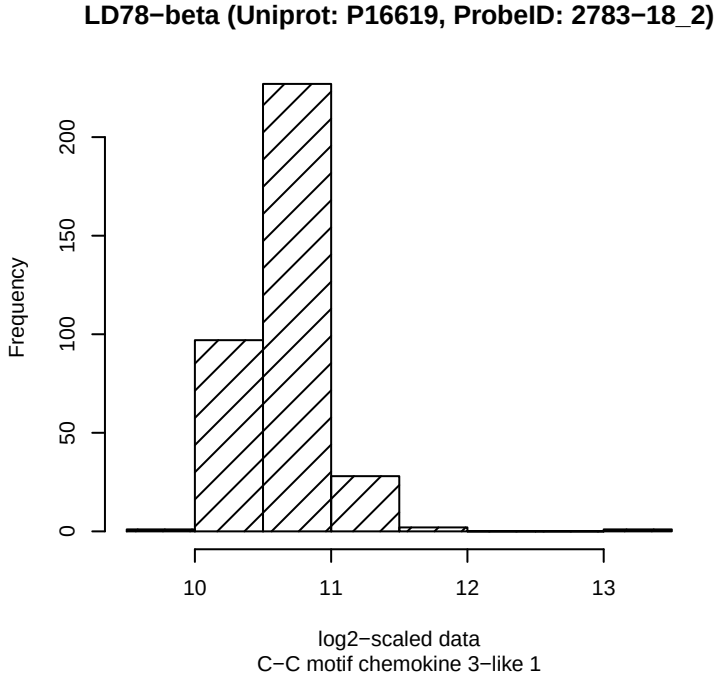

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
log2−scaled data
9
10
11
12
G/G (137)
G/A (144)
A/A (72)
rs1050274 (Chr3:186435370)
Locus 367 top sentinel (tags KORA rs1403694), p=0.062, FC=1.0548

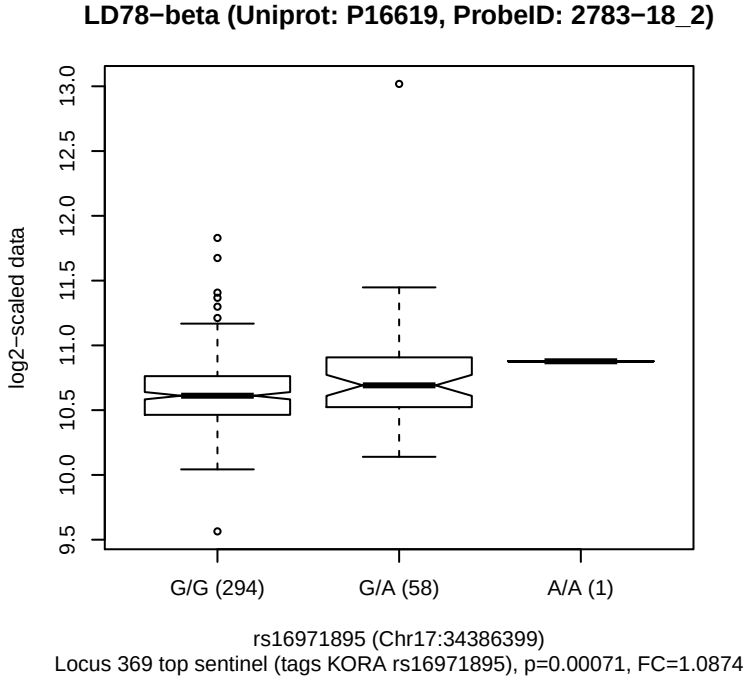

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Histidine−rich glycoprotein

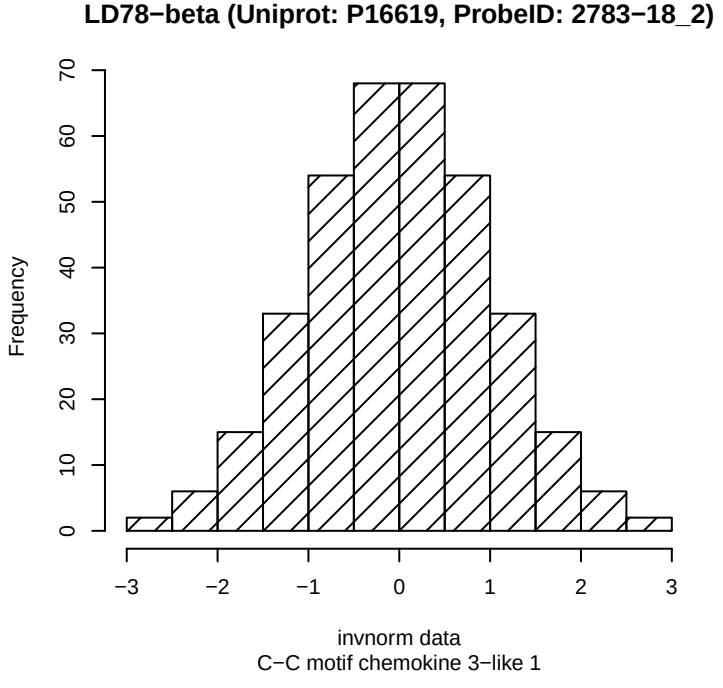

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
invnorm data
−2
−1
0
1
2
G/G (137)
G/A (144)
A/A (72)
rs1050274 (Chr3:186435370)
Locus 367 top sentinel (tags KORA rs1403694), p=0.003

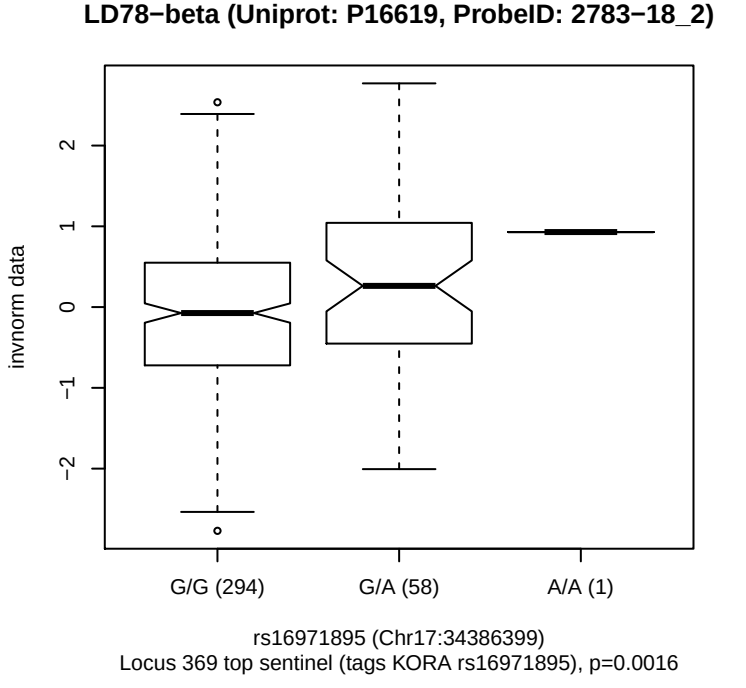

LD78−beta (Uniprot: P16619, ProbeID: 2783−18_2)
Frequency
0
50
100
150
200
250
300
0
2000
4000
6000
8000
raw data
C−C motif chemokine 3−like 1

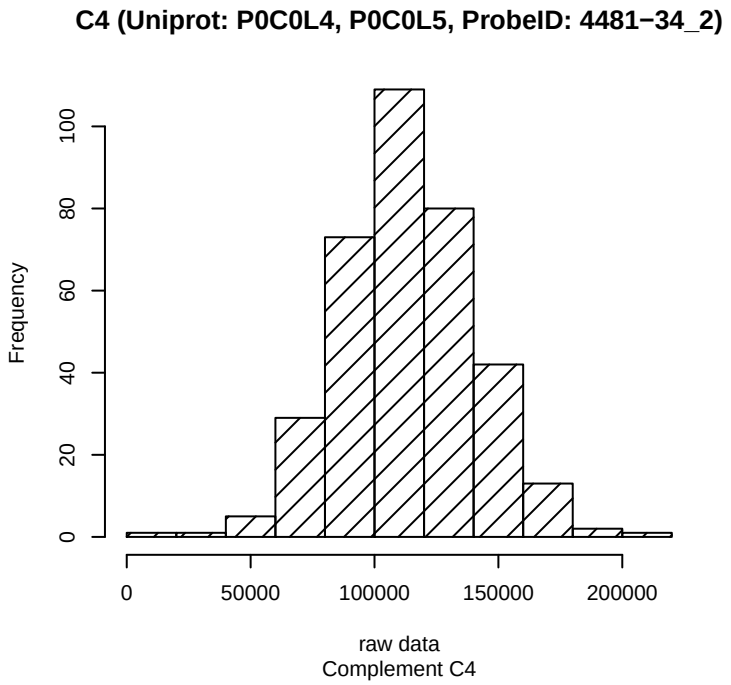

LD78−beta (Uniprot: P16619, ProbeID: 2783−18_2)
raw data
2000
4000
6000
8000
G/G (294)
G/A (58)
A/A (1)
rs16971895 (Chr17:34386399)
Locus 369 top sentinel (tags KORA rs16971895), p=0.0015

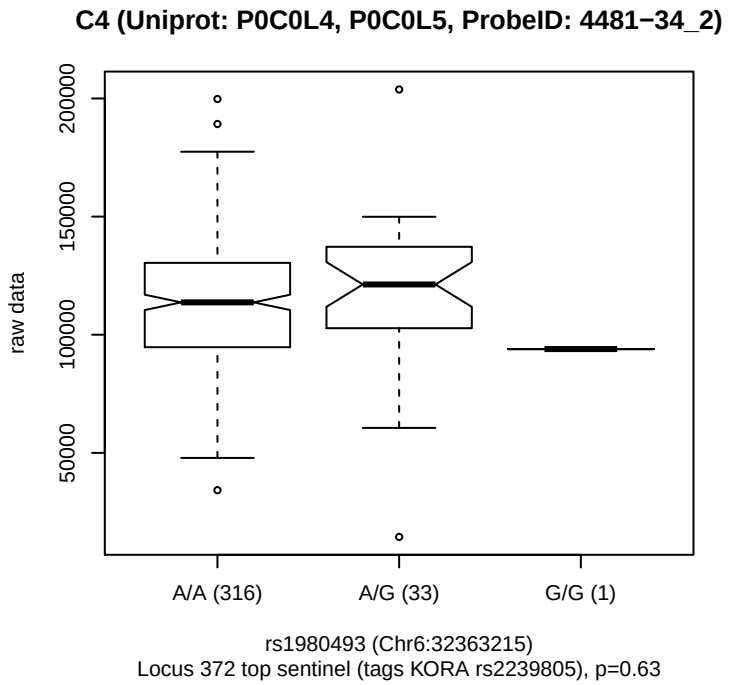

LD78−beta (Uniprot: P16619, ProbeID: 2783−18_2)
Frequency
0
50
100
150
200
10
11
12
13
log2−scaled data
C−C motif chemokine 3−like 1

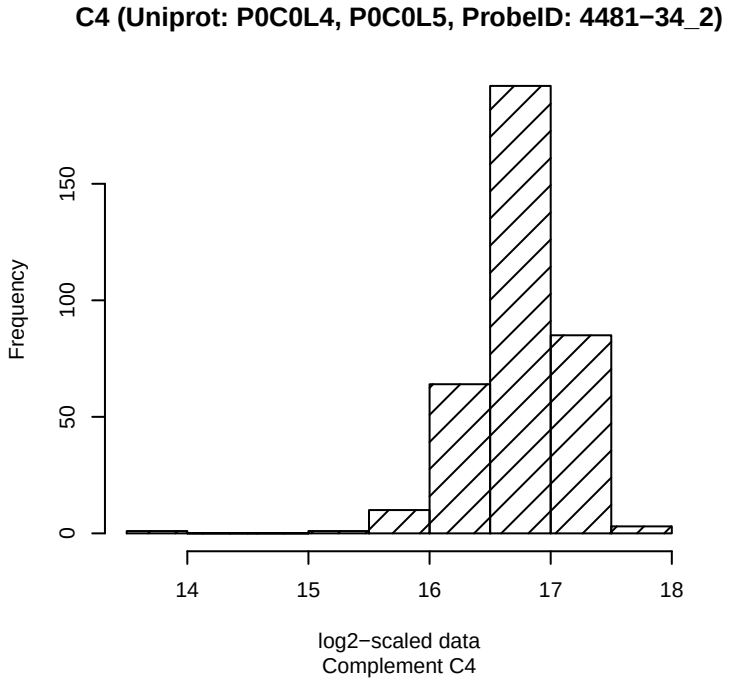

LD78−beta (Uniprot: P16619, ProbeID: 2783−18_2)
log2−scaled data
9.5
10.0
10.5
11.0
11.5
12.0
12.5
13.0
G/G (294)
G/A (58)
A/A (1)
rs16971895 (Chr17:34386399)
Locus 369 top sentinel (tags KORA rs16971895), p=0.00071, FC=1.0874

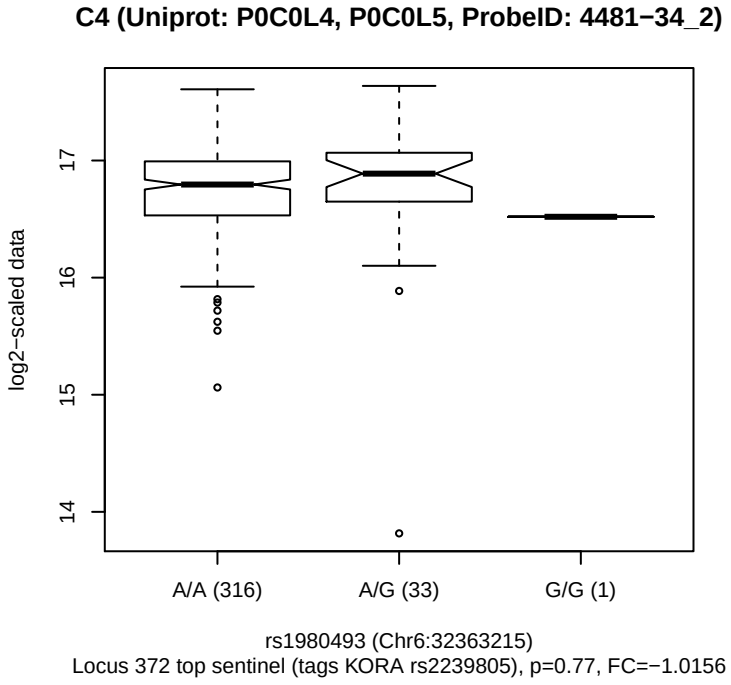

LD78−beta (Uniprot: P16619, ProbeID: 2783−18_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 3−like 1

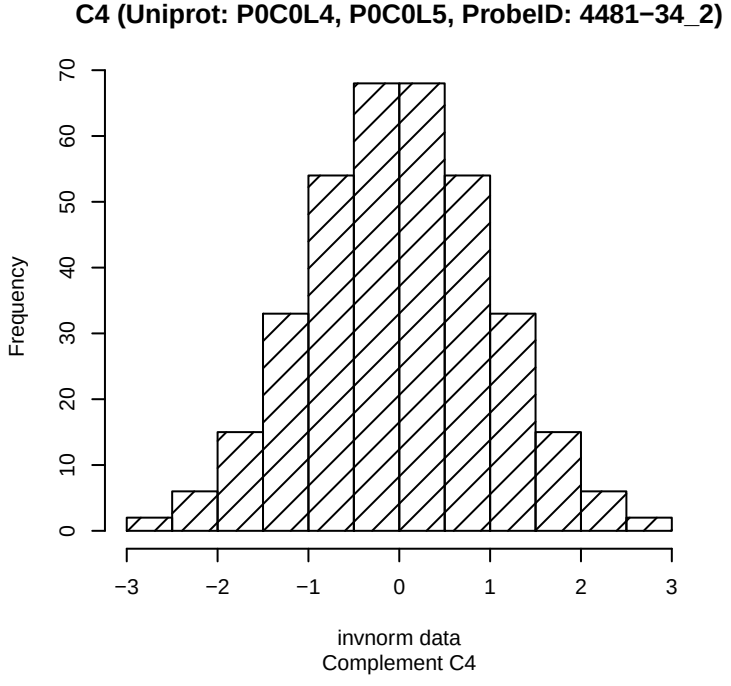

LD78−beta (Uniprot: P16619, ProbeID: 2783−18_2)
invnorm data
−2
−1
0
1
2
G/G (294)
G/A (58)
A/A (1)
rs16971895 (Chr17:34386399)
Locus 369 top sentinel (tags KORA rs16971895), p=0.0016

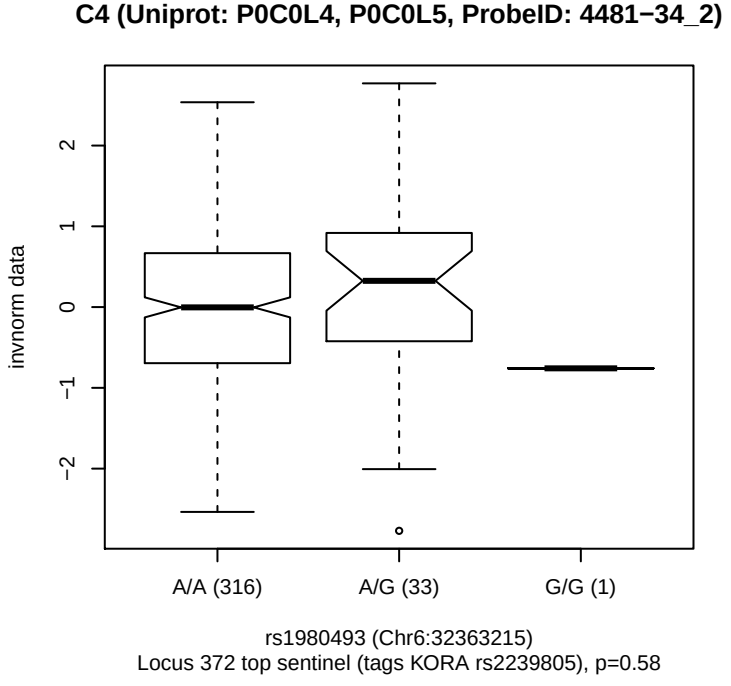

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
Frequency
0
20
40
60
80
100
0
50000
100000
150000
200000
raw data
Complement C4

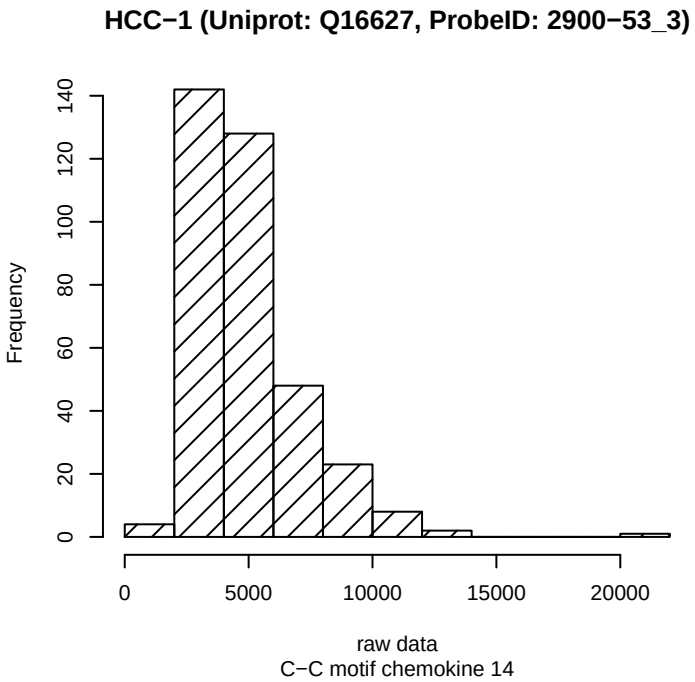

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
raw data
50000
100000
150000
200000
A/A (316)
A/G (33)
G/G (1)
rs1980493 (Chr6:32363215)
Locus 372 top sentinel (tags KORA rs2239805), p=0.63

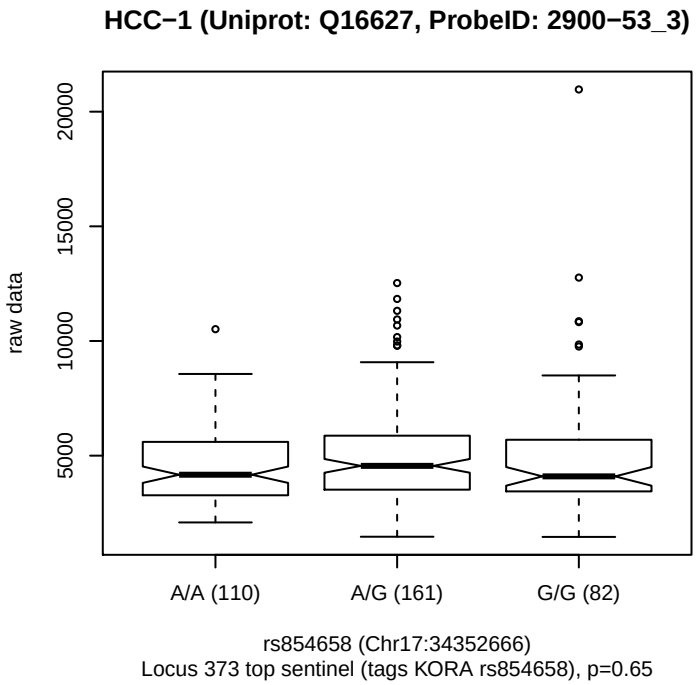

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
Frequency
0
50
100
150
14
15
16
17
18
log2−scaled data
Complement C4

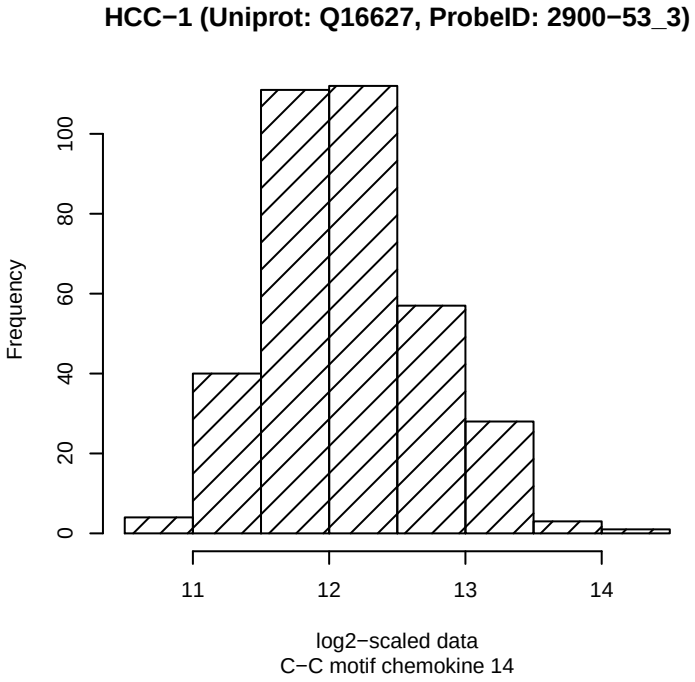

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
log2−scaled data
14
15
16
17
A/A (316)
A/G (33)
G/G (1)
rs1980493 (Chr6:32363215)
Locus 372 top sentinel (tags KORA rs2239805), p=0.77, FC=−1.0156

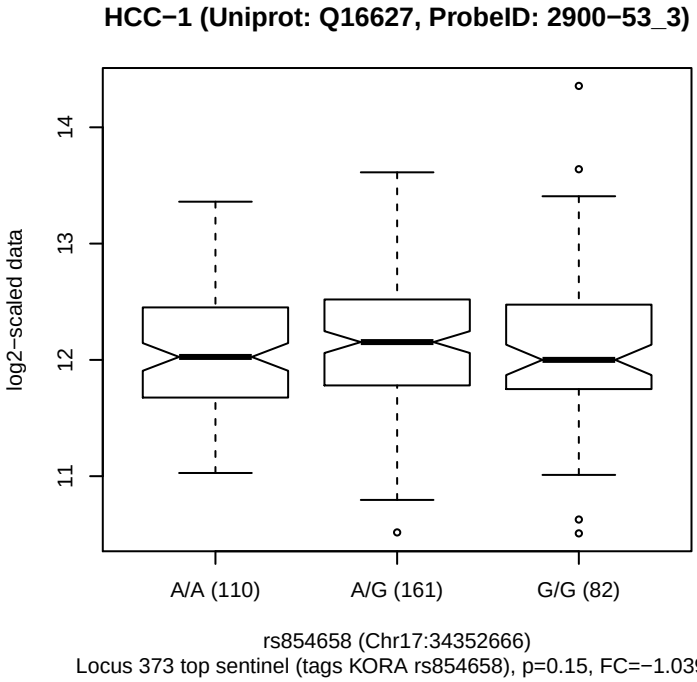

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Complement C4

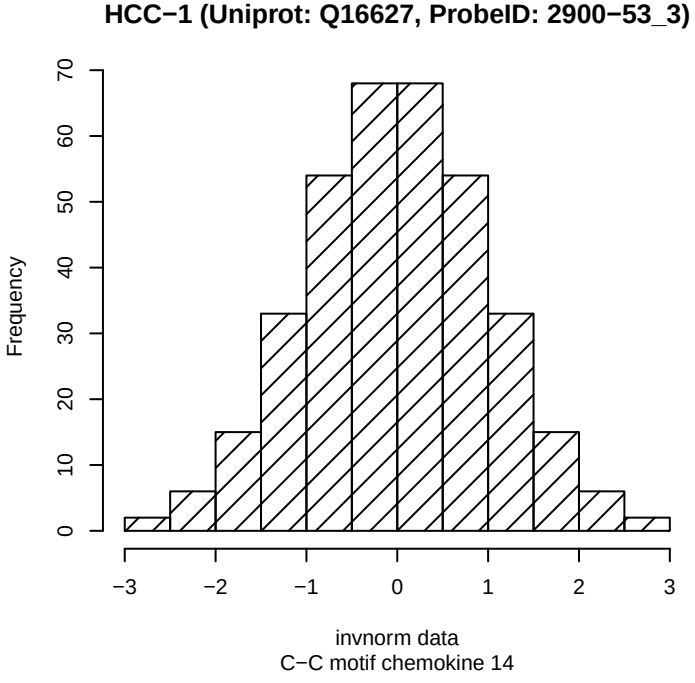

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
invnorm data
−2
−1
0
1
2
A/A (316)
A/G (33)
G/G (1)
rs1980493 (Chr6:32363215)
Locus 372 top sentinel (tags KORA rs2239805), p=0.58

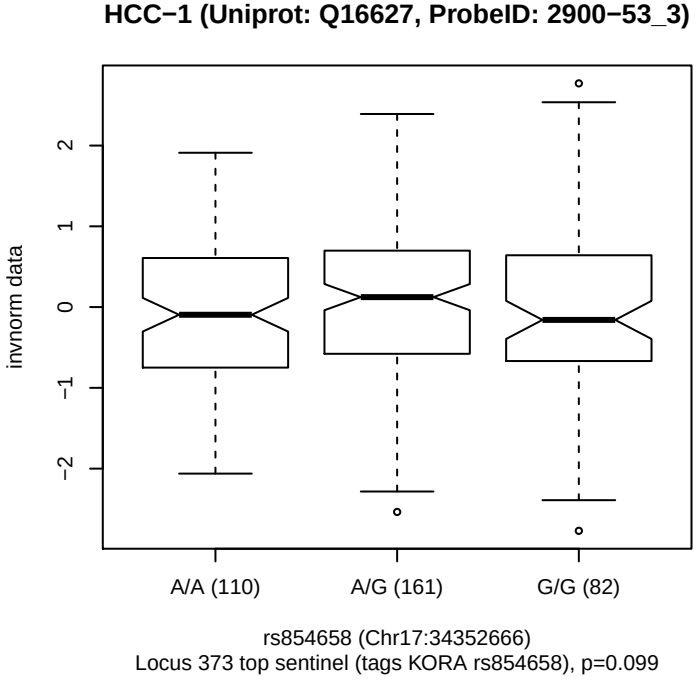

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
Frequency
0
20
40
60
80
100
120
140
0
5000
10000
15000
20000
raw data
C−C motif chemokine 14

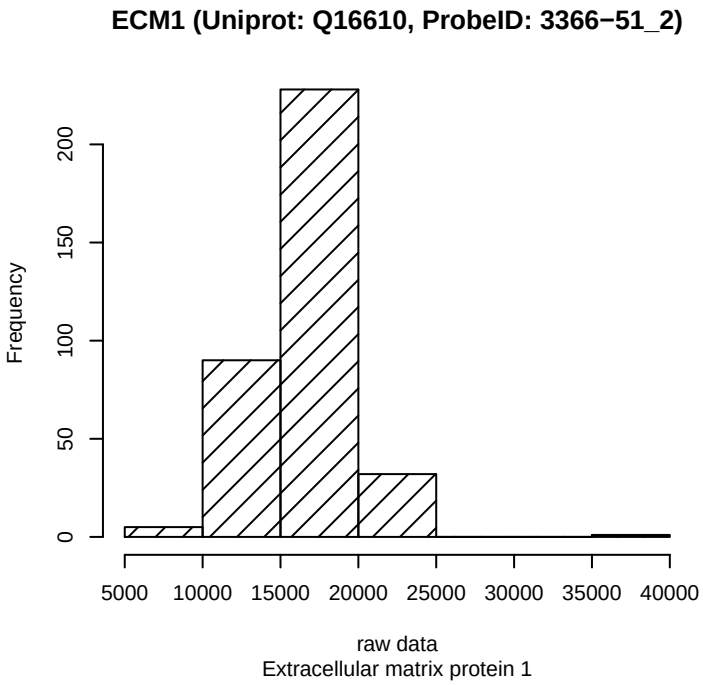

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
raw data
5000
10000
15000
20000
A/A (110)
A/G (161)
G/G (82)
rs854658 (Chr17:34352666)
Locus 373 top sentinel (tags KORA rs854658), p=0.65

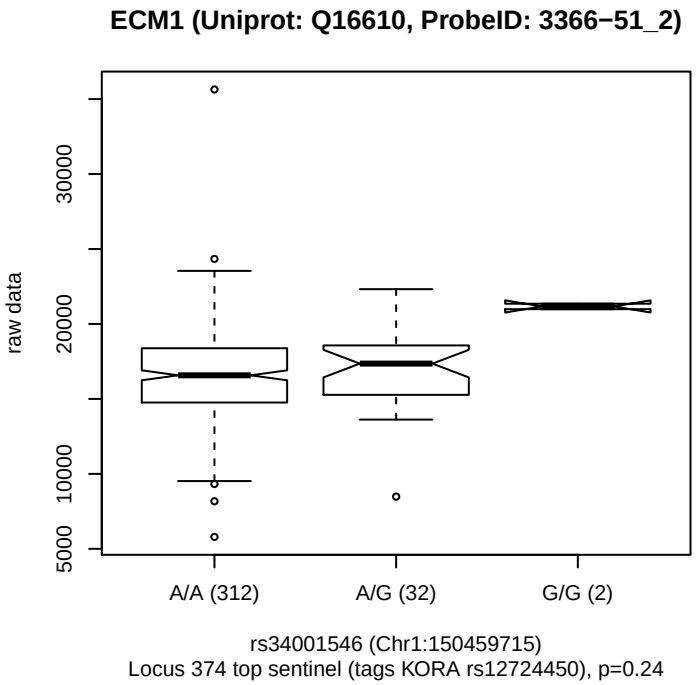

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
Frequency
0
20
40
60
80
100
11
12
13
14
log2−scaled data
C−C motif chemokine 14

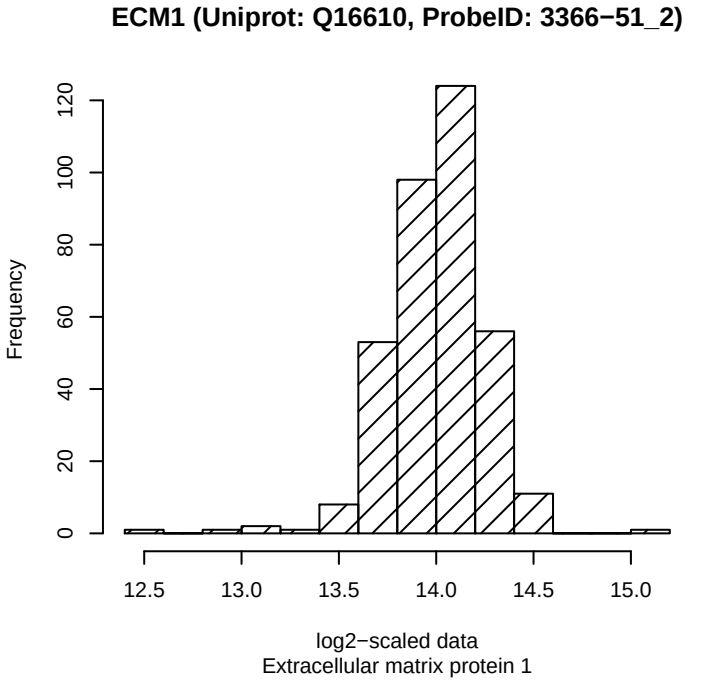

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
log2−scaled data
11
12
13
14
A/A (110)
A/G (161)
G/G (82)
rs854658 (Chr17:34352666)
Locus 373 top sentinel (tags KORA rs854658), p=0.15, FC=−1.0392

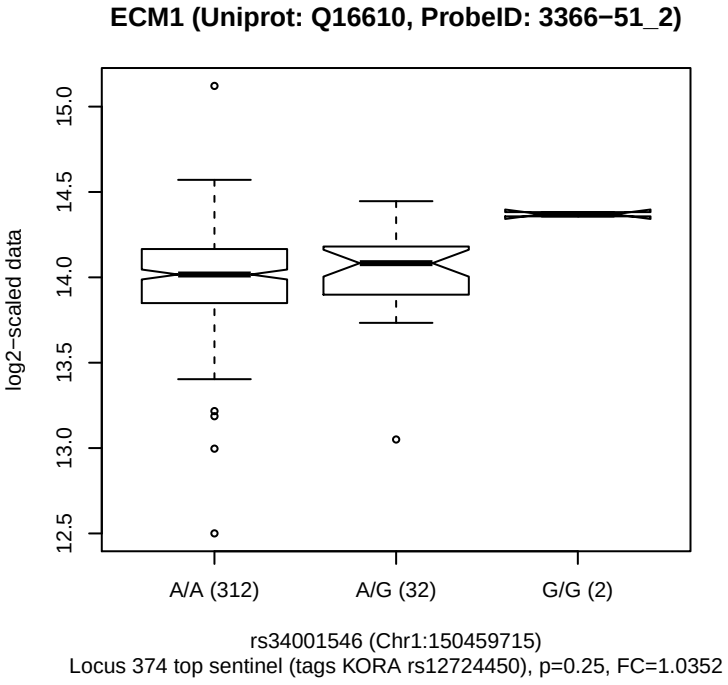

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 14

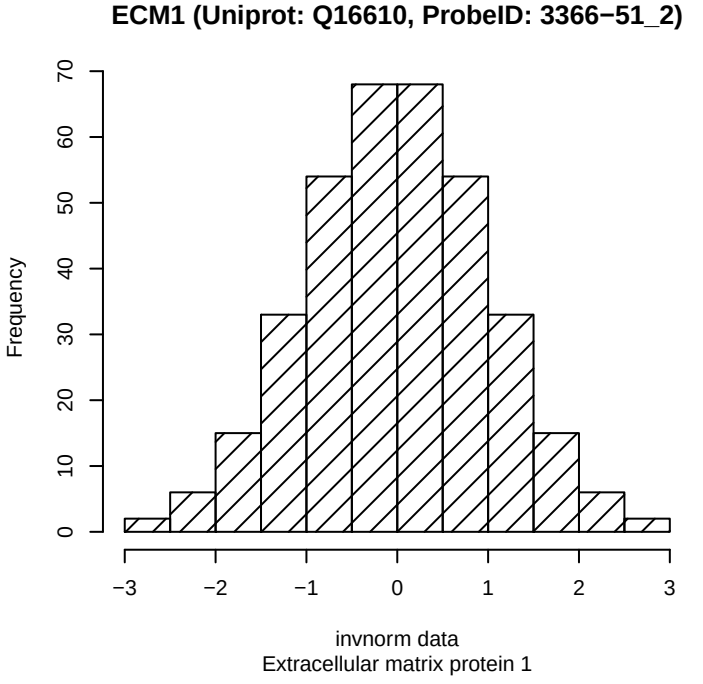

HCC−1 (Uniprot: Q16627, ProbeID: 2900−53_3)
invnorm data
−2
−1
0
1
2
A/A (110)
A/G (161)
G/G (82)
rs854658 (Chr17:34352666)
Locus 373 top sentinel (tags KORA rs854658), p=0.099

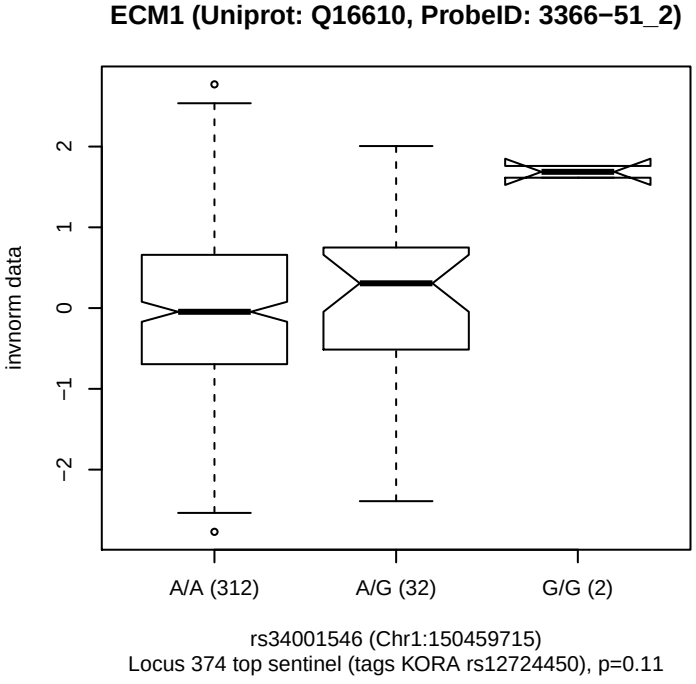

ECM1 (Uniprot: Q16610, ProbeID: 3366−51_2)
Frequency
0
50
100
150
200
5000
10000
15000
20000
25000
30000
35000
40000
raw data
Extracellular matrix protein 1

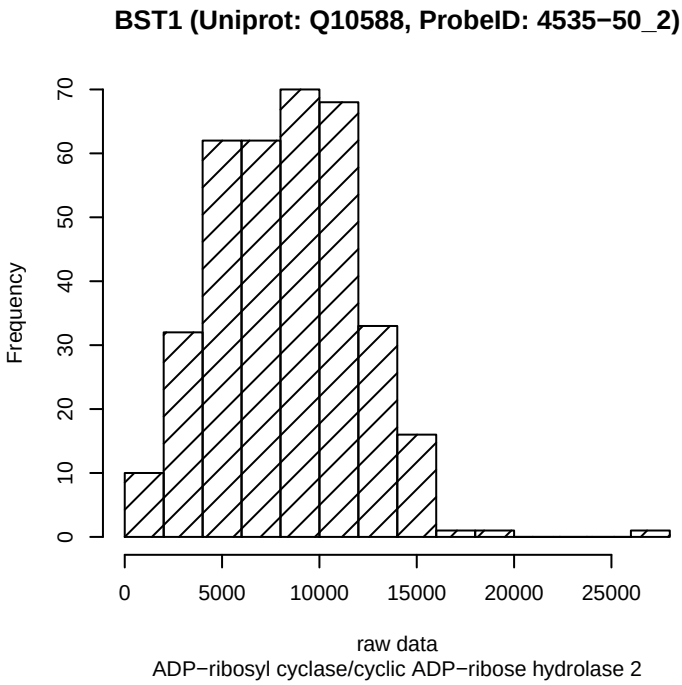

ECM1 (Uniprot: Q16610, ProbeID: 3366−51_2)
raw data
5000
10000
20000
30000
A/A (312)
A/G (32)
G/G (2)
rs34001546 (Chr1:150459715)
Locus 374 top sentinel (tags KORA rs12724450), p=0.24

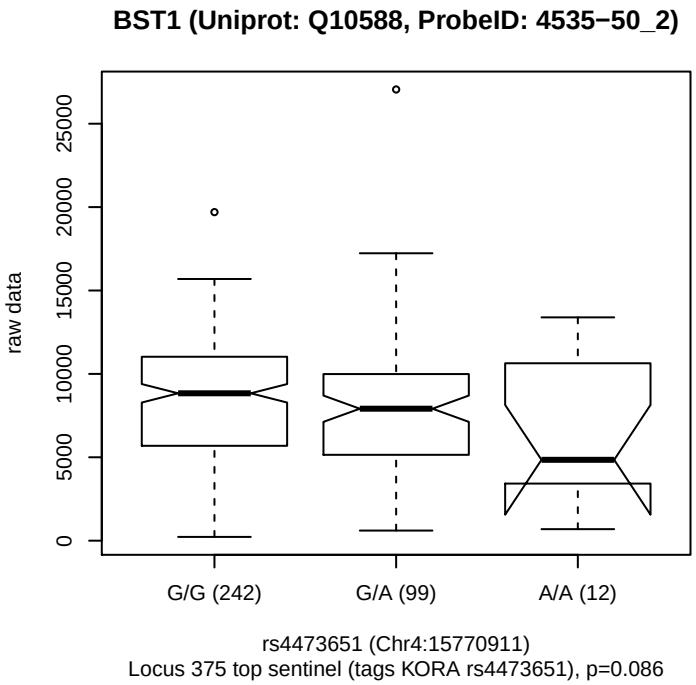

ECM1 (Uniprot: Q16610, ProbeID: 3366−51_2)
Frequency
0
20
40
60
80
100
120
12.5
13.0
13.5
14.0
14.5
15.0
log2−scaled data
Extracellular matrix protein 1

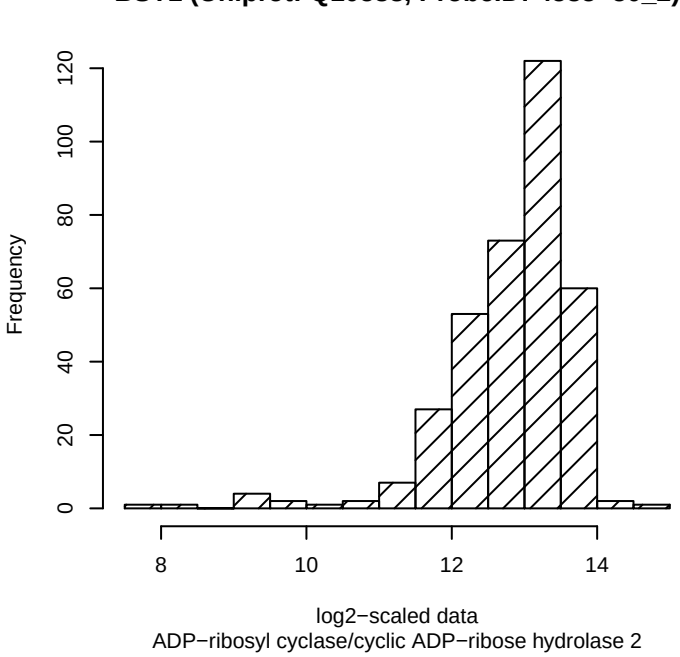

ECM1 (Uniprot: Q16610, ProbeID: 3366−51_2)
log2−scaled data
12.5
13.0
13.5
14.0
14.5
15.0
A/A (312)
A/G (32)
G/G (2)
rs34001546 (Chr1:150459715)
Locus 374 top sentinel (tags KORA rs12724450), p=0.25, FC=1.0352

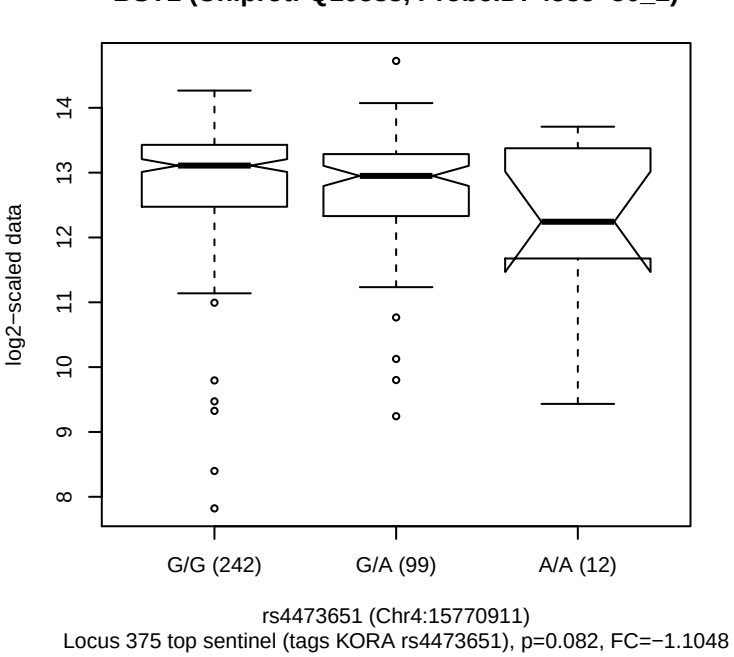

ECM1 (Uniprot: Q16610, ProbeID: 3366−51_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Extracellular matrix protein 1

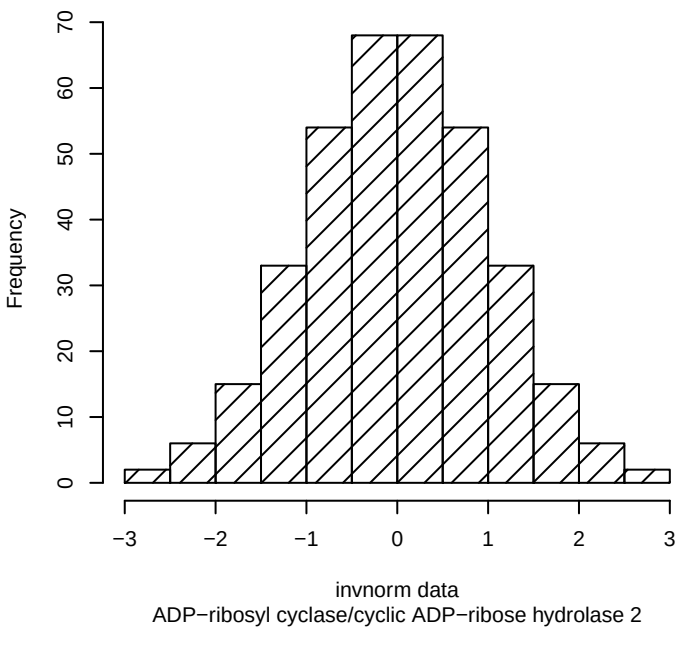

ECM1 (Uniprot: Q16610, ProbeID: 3366−51_2)
invnorm data
−2
−1
0
1
2
A/A (312)
A/G (32)
G/G (2)
rs34001546 (Chr1:150459715)
Locus 374 top sentinel (tags KORA rs12724450), p=0.11

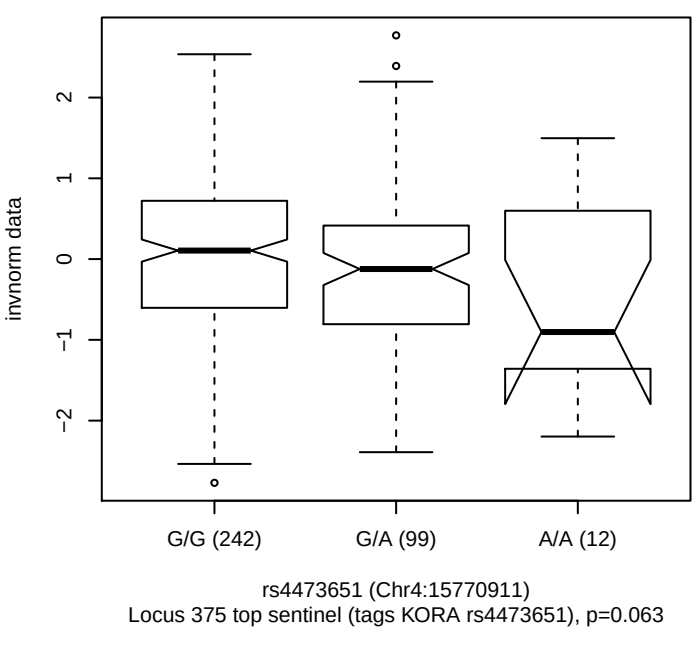

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
Frequency
0
10
20
30
40
50
60
70
0
5000
10000
15000
20000
25000
raw data
ADP−ribosyl cyclase/cyclic ADP−ribose hydrolase 2

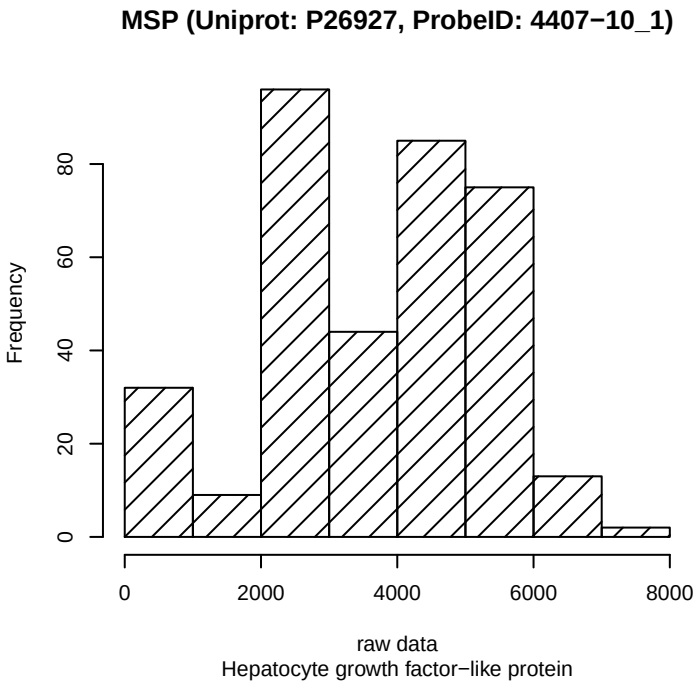

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
raw data
0
5000
10000
15000
20000
25000
G/G (242)
G/A (99)
A/A (12)
rs4473651 (Chr4:15770911)
Locus 375 top sentinel (tags KORA rs4473651), p=0.086

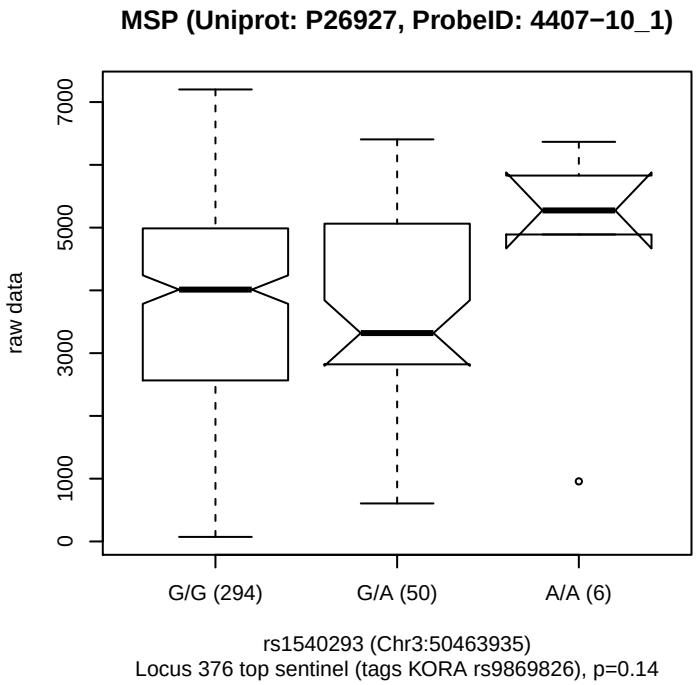

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
Frequency
0
20
40
60
80
100
120
8
10
12
14
log2−scaled data
ADP−ribosyl cyclase/cyclic ADP−ribose hydrolase 2

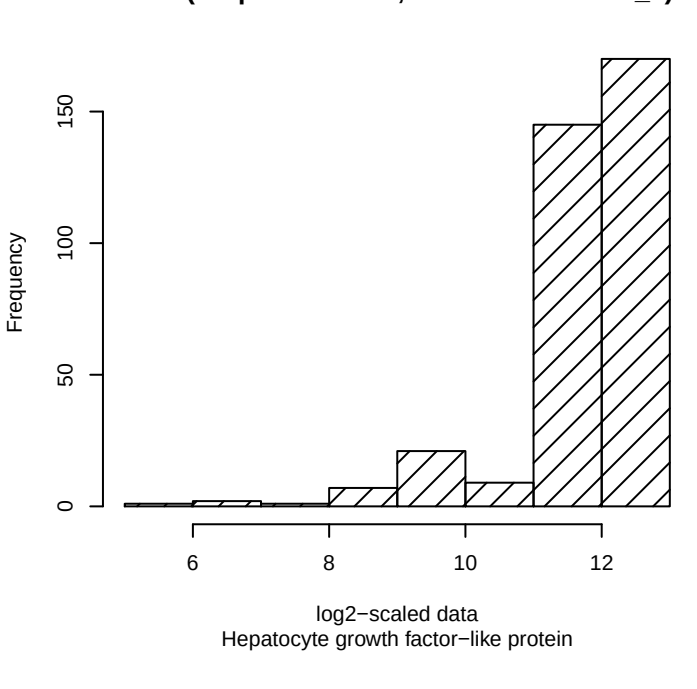

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
log2−scaled data
8
9
10
11
12
13
14
G/G (242)
G/A (99)
A/A (12)
rs4473651 (Chr4:15770911)
Locus 375 top sentinel (tags KORA rs4473651), p=0.082, FC=−1.1048

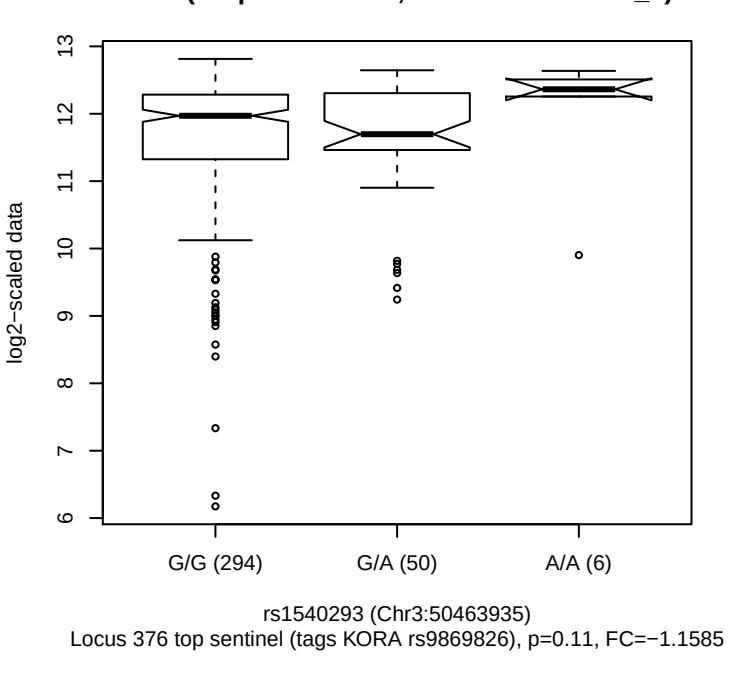

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
ADP−ribosyl cyclase/cyclic ADP−ribose hydrolase 2

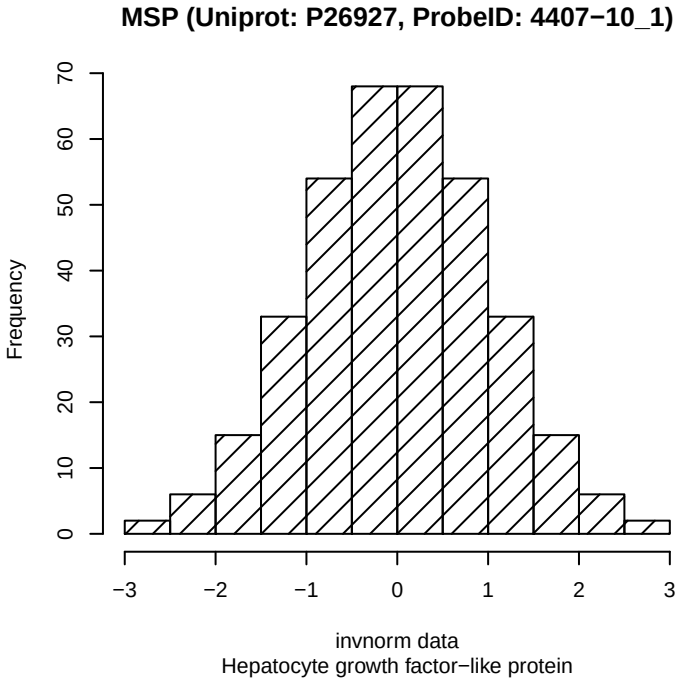

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
invnorm data
−2
−1
0
1
2
G/G (242)
G/A (99)
A/A (12)
rs4473651 (Chr4:15770911)
Locus 375 top sentinel (tags KORA rs4473651), p=0.063

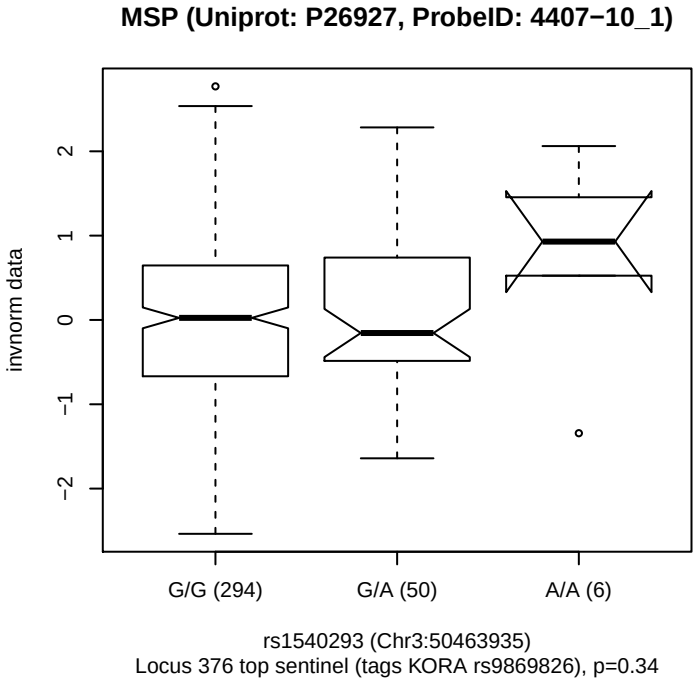

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
Frequency
0
20
40
60
80
0
2000
4000
6000
8000
raw data
Hepatocyte growth factor−like protein

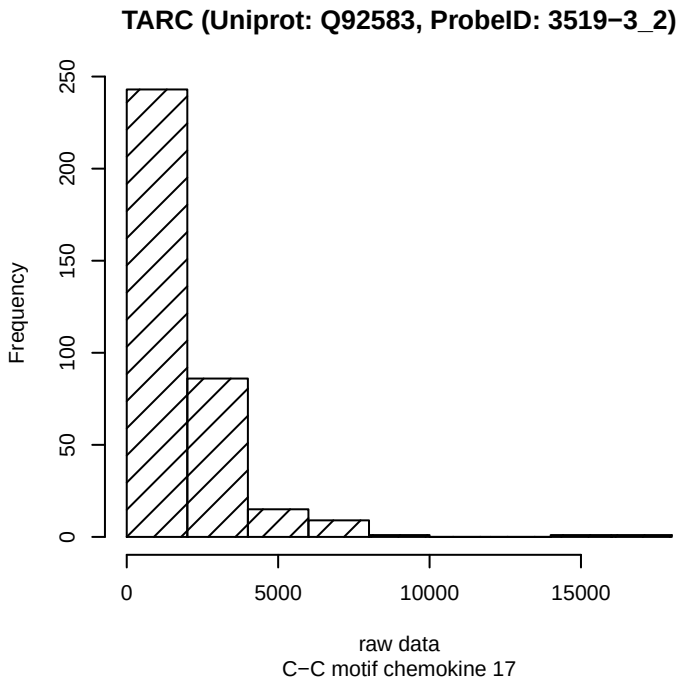

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
raw data
0
1000
3000
5000
7000
G/G (294)
G/A (50)
A/A (6)
rs1540293 (Chr3:50463935)
Locus 376 top sentinel (tags KORA rs9869826), p=0.14

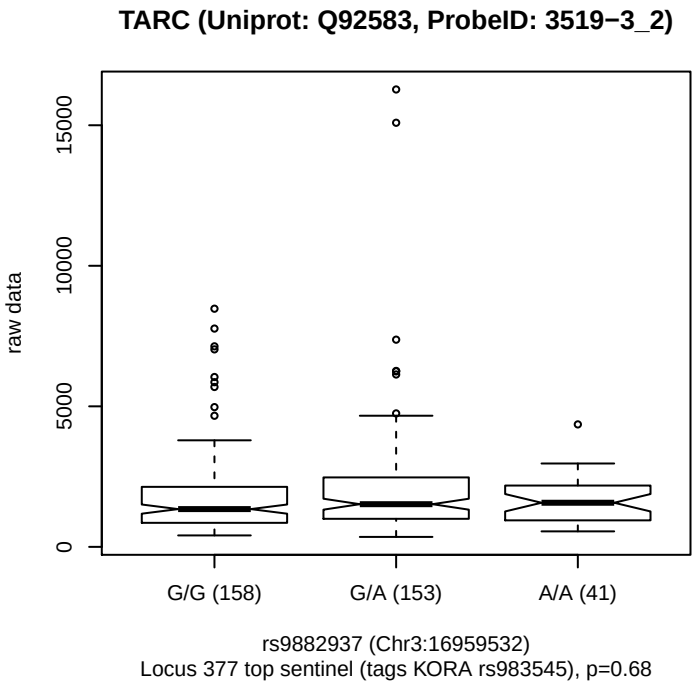

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
Frequency
0
50
100
150
6
8
10
12
log2−scaled data
Hepatocyte growth factor−like protein

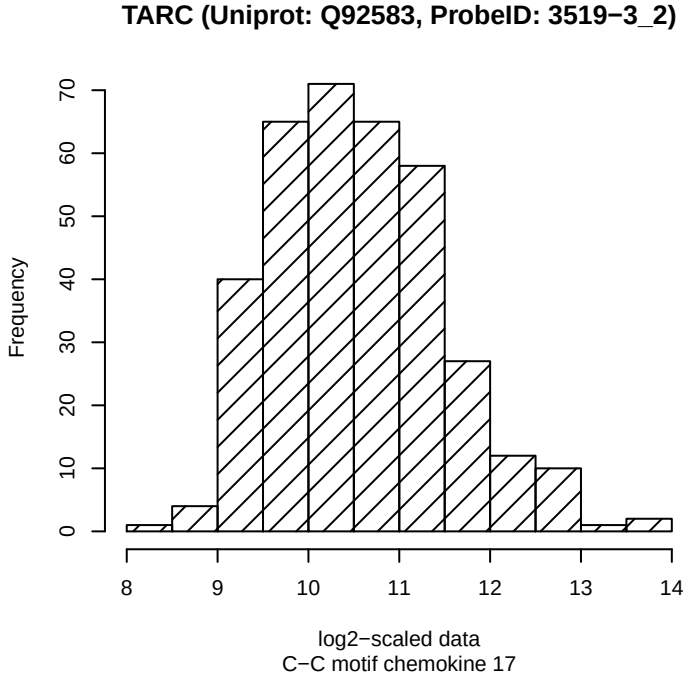

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
log2−scaled data
6
7
8
9
10
11
12
13
G/G (294)
G/A (50)
A/A (6)
rs1540293 (Chr3:50463935)
Locus 376 top sentinel (tags KORA rs9869826), p=0.11, FC=−1.1585

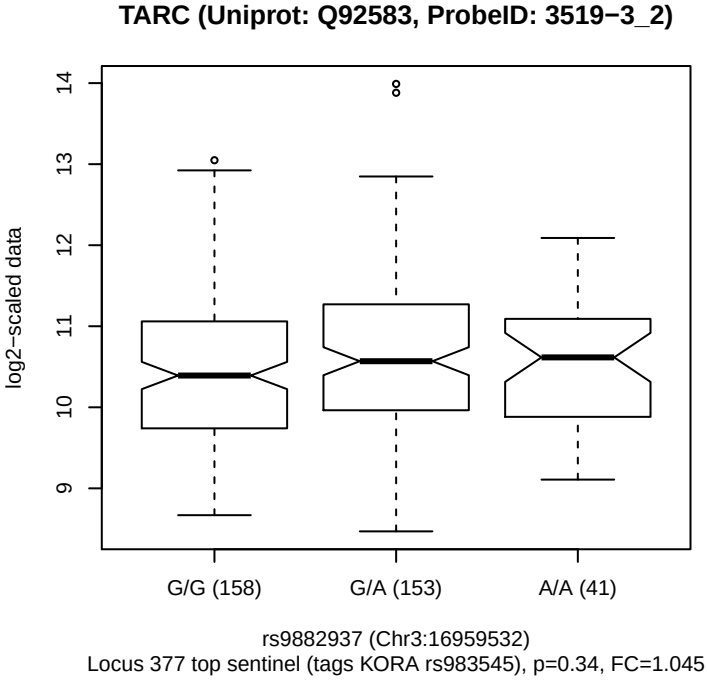

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Hepatocyte growth factor−like protein

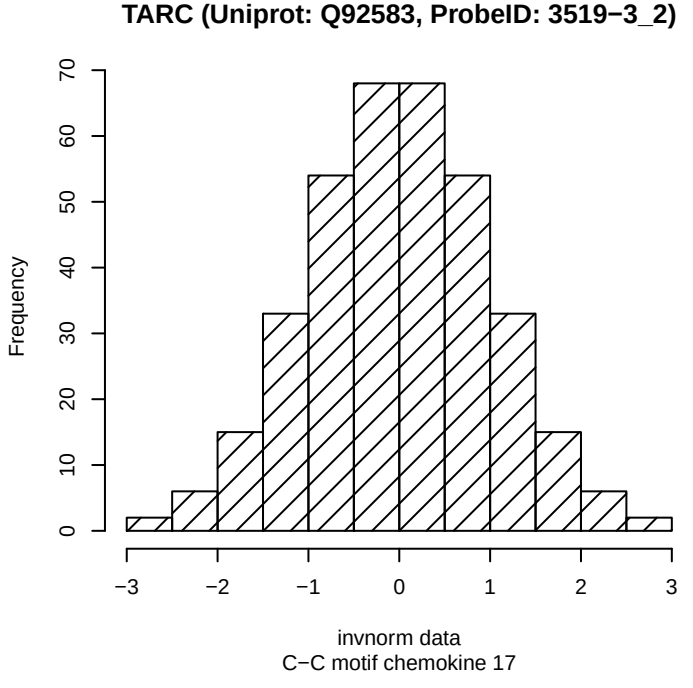

MSP (Uniprot: P26927, ProbeID: 4407−10_1)
invnorm data
−2
−1
0
1
2
G/G (294)
G/A (50)
A/A (6)
rs1540293 (Chr3:50463935)
Locus 376 top sentinel (tags KORA rs9869826), p=0.34

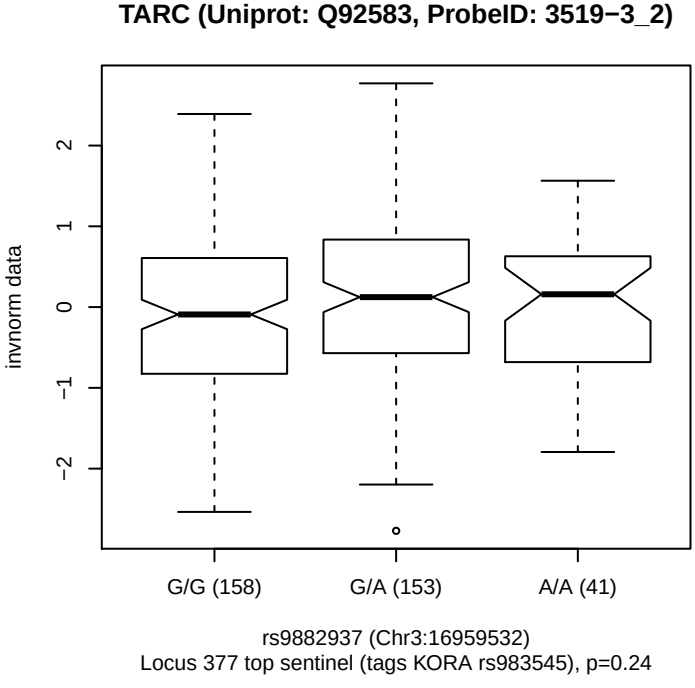

TARC (Uniprot: Q92583, ProbeID: 3519−3_2)
Frequency
0
50
100
150
200
250
0
5000
10000
15000
raw data
C−C motif chemokine 17

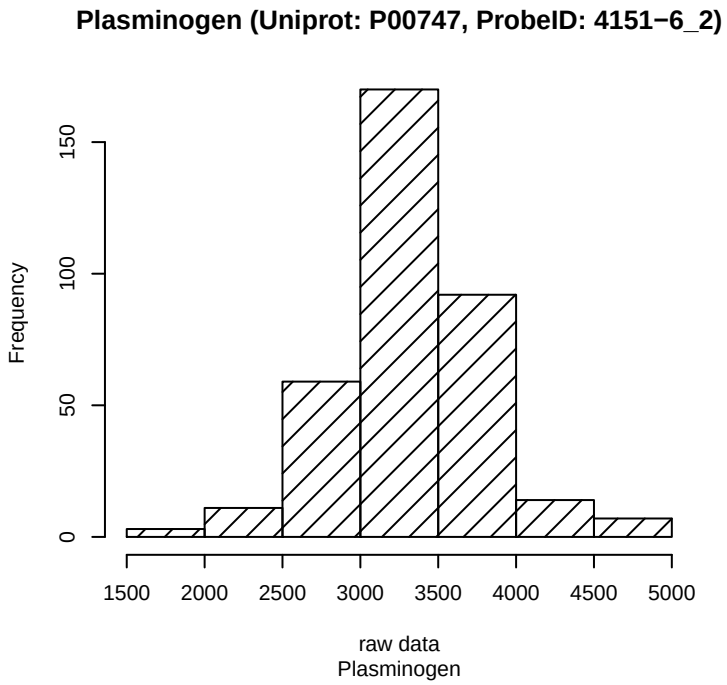

TARC (Uniprot: Q92583, ProbeID: 3519−3_2)
raw data
0
5000
10000
15000
G/G (158)
G/A (153)
A/A (41)
rs9882937 (Chr3:16959532)
Locus 377 top sentinel (tags KORA rs983545), p=0.68

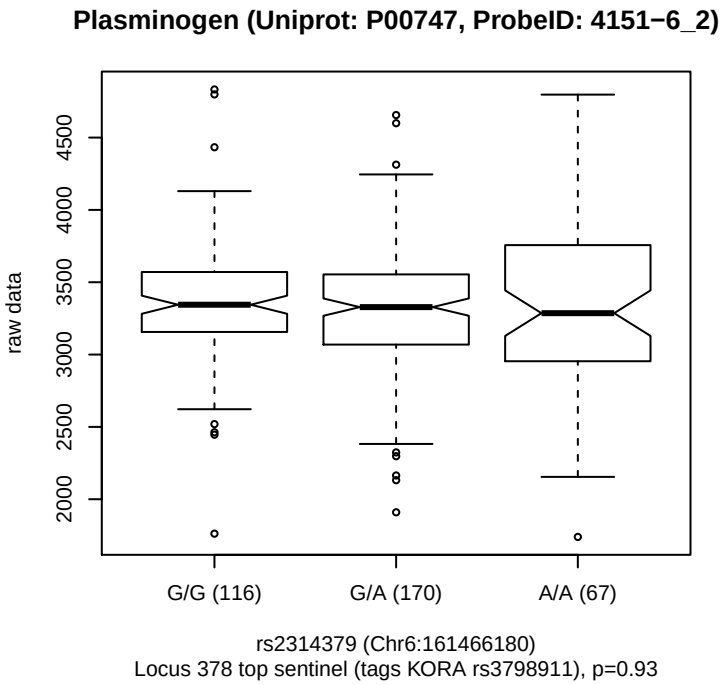

TARC (Uniprot: Q92583, ProbeID: 3519−3_2)
Frequency
0
10
20
30
40
50
60
70
8
9
10
11
12
13
14
log2−scaled data
C−C motif chemokine 17

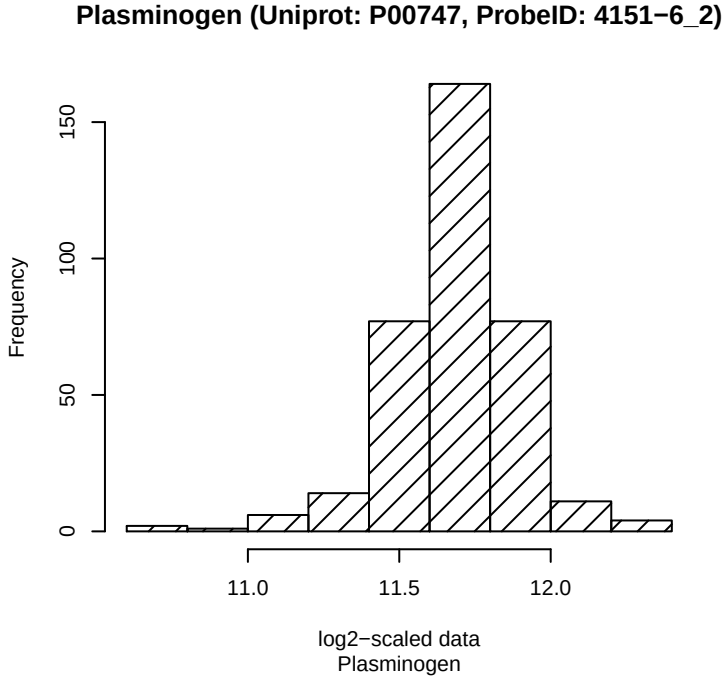

TARC (Uniprot: Q92583, ProbeID: 3519−3_2)
log2−scaled data
9
10
11
12
13
14
G/G (158)
G/A (153)
A/A (41)
rs9882937 (Chr3:16959532)
Locus 377 top sentinel (tags KORA rs983545), p=0.34, FC=1.045

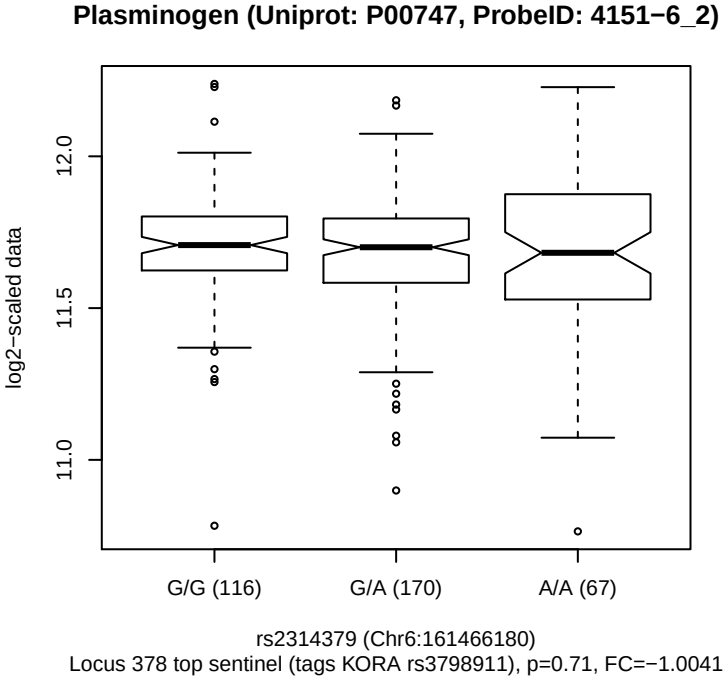

TARC (Uniprot: Q92583, ProbeID: 3519−3_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 17

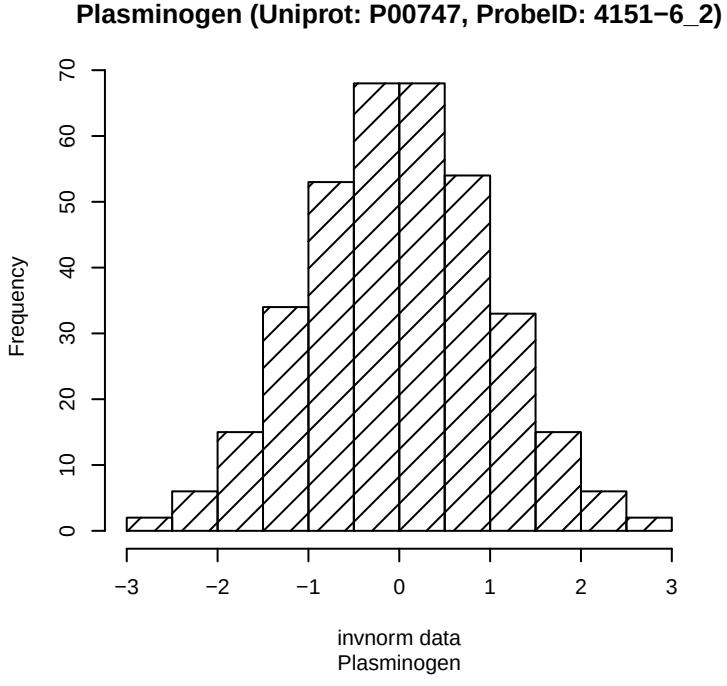

TARC (Uniprot: Q92583, ProbeID: 3519−3_2)
invnorm data
−2
−1
0
1
2
G/G (158)
G/A (153)
A/A (41)
rs9882937 (Chr3:16959532)
Locus 377 top sentinel (tags KORA rs983545), p=0.24

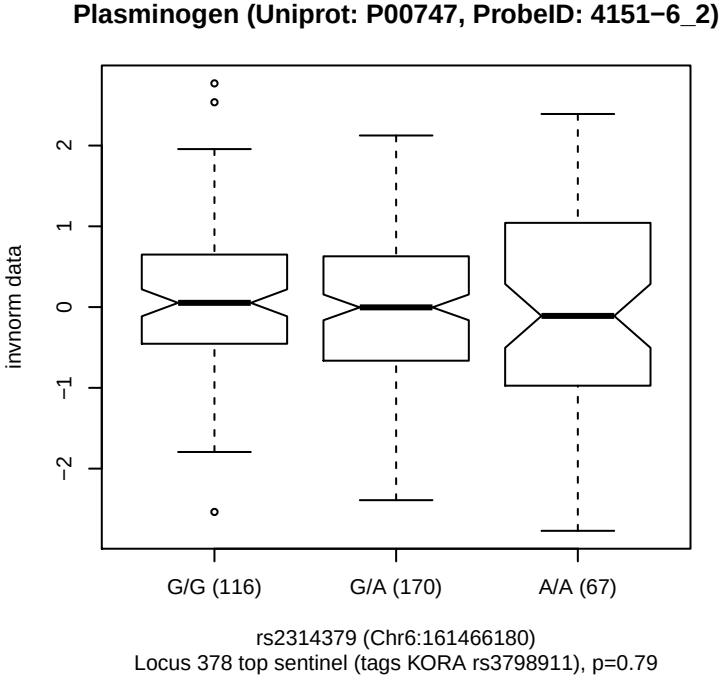

Plasminogen (Uniprot: P00747, ProbeID: 4151−6_2)
Frequency
0
50
100
150
1500
2000
2500
3000
3500
4000
4500
5000
raw data
Plasminogen

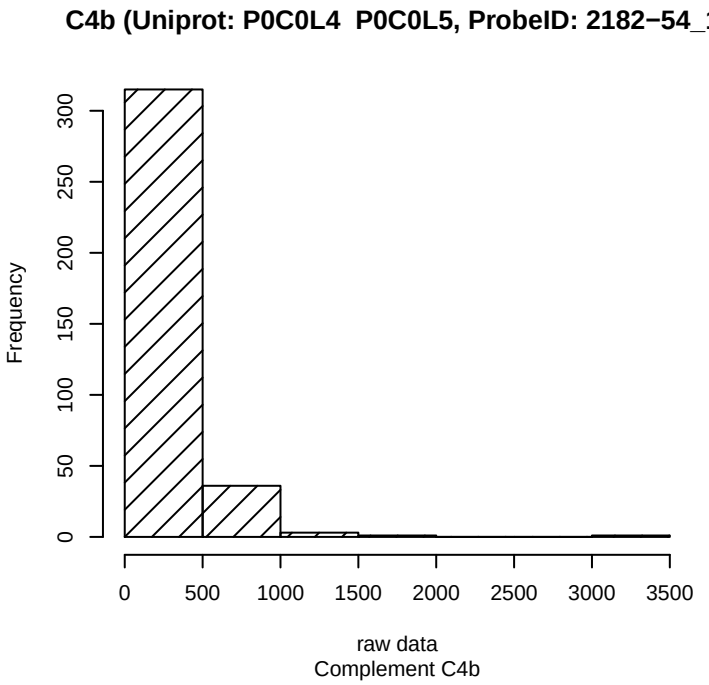

Plasminogen (Uniprot: P00747, ProbeID: 4151−6_2)
raw data
2000
2500
3000
3500
4000
4500
G/G (116)
G/A (170)
A/A (67)
rs2314379 (Chr6:161466180)
Locus 378 top sentinel (tags KORA rs3798911), p=0.93

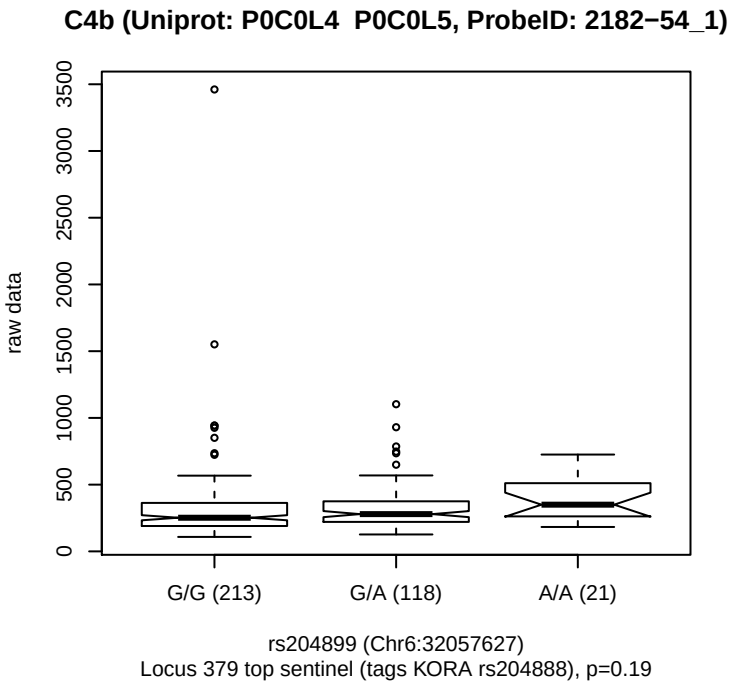

Plasminogen (Uniprot: P00747, ProbeID: 4151−6_2)
Frequency
0
50
100
150
11.0
11.5
12.0
log2−scaled data
Plasminogen

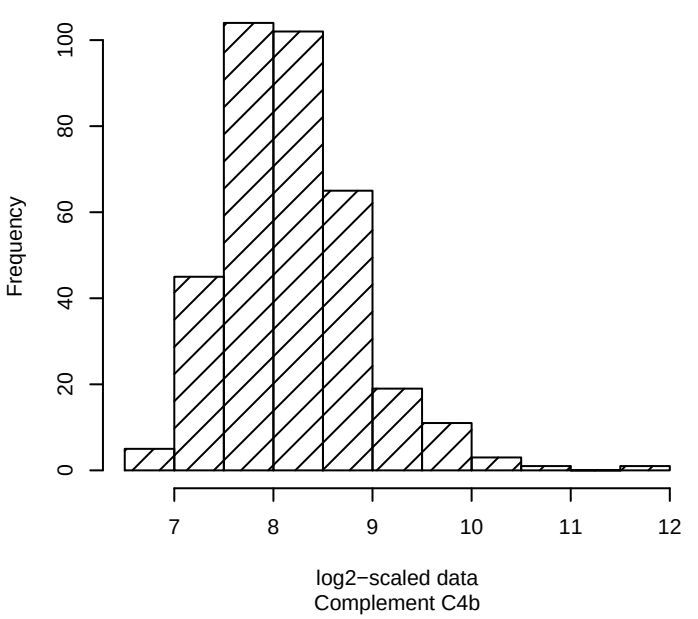

Plasminogen (Uniprot: P00747, ProbeID: 4151−6_2)
log2−scaled data
11.0
11.5
12.0
G/G (116)
G/A (170)
A/A (67)
rs2314379 (Chr6:161466180)
Locus 378 top sentinel (tags KORA rs3798911), p=0.71, FC=−1.0041

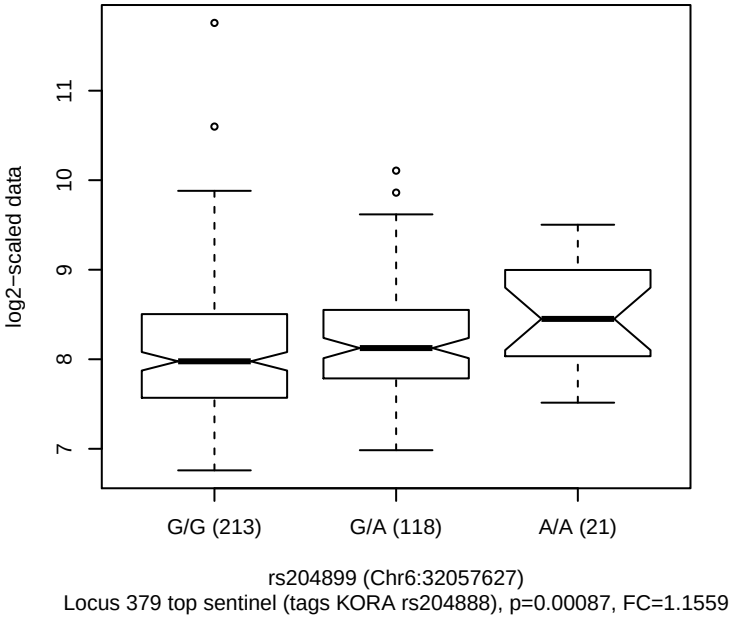

Plasminogen (Uniprot: P00747, ProbeID: 4151−6_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Plasminogen

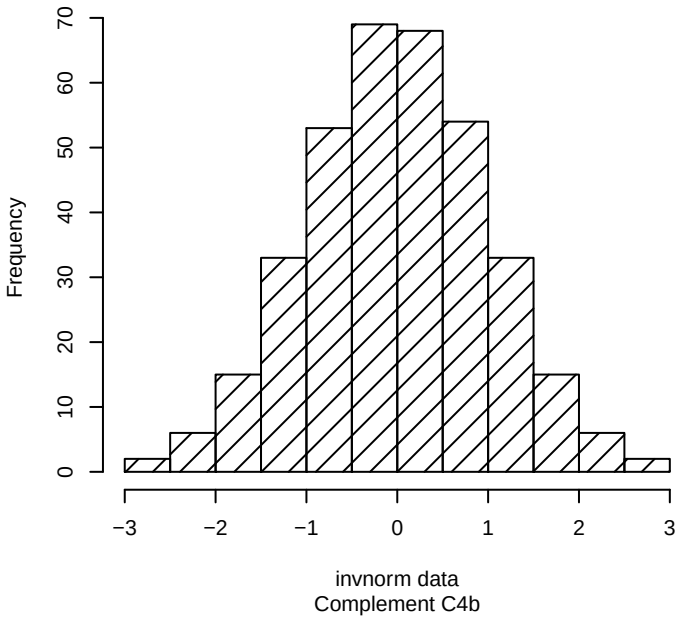

Plasminogen (Uniprot: P00747, ProbeID: 4151−6_2)
invnorm data
−2
−1
0
1
2
G/G (116)
G/A (170)
A/A (67)
rs2314379 (Chr6:161466180)
Locus 378 top sentinel (tags KORA rs3798911), p=0.79

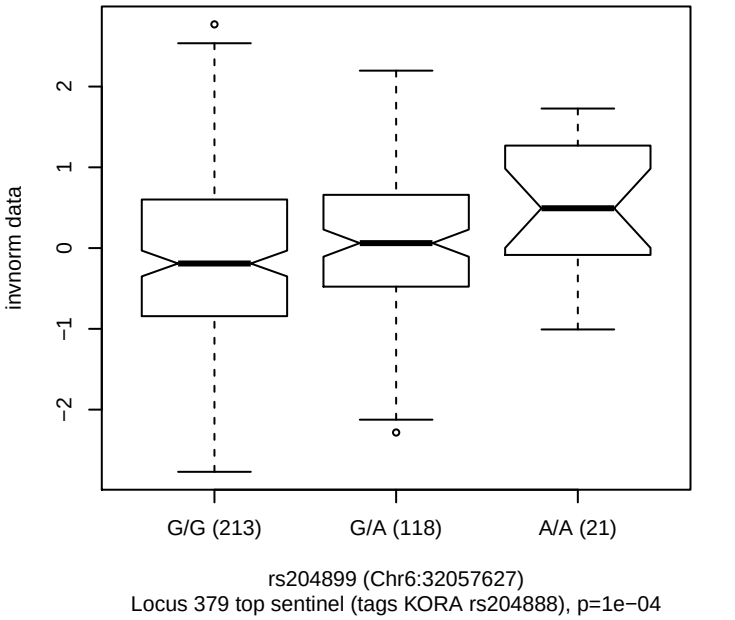

C4b (Uniprot: P0C0L4 P0C0L5, ProbeID: 2182−54_1)
Frequency
0
50
100
150
200
250
300
0
500
1000
1500
2000
2500
3000
3500
raw data
Complement C4b

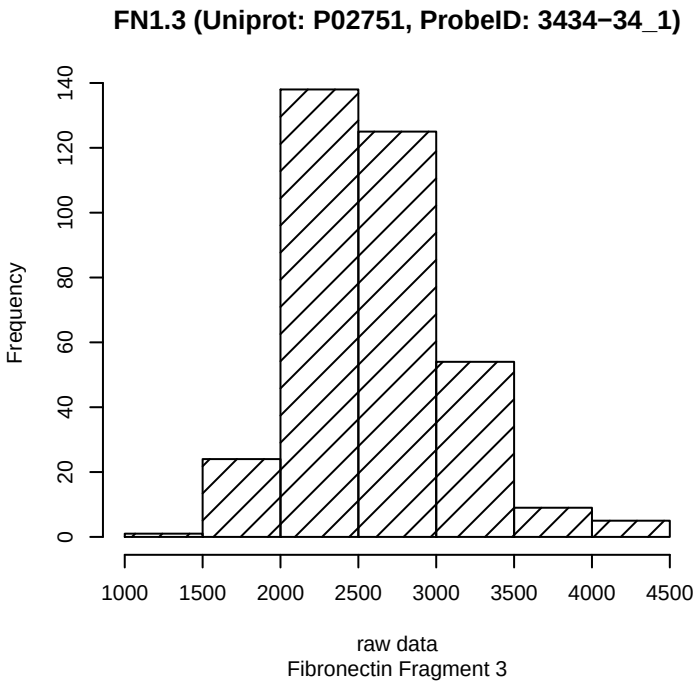

C4b (Uniprot: P0C0L4 P0C0L5, ProbeID: 2182−54_1)
raw data
0
500
1000
1500
2000
2500
3000
3500
G/G (213)
G/A (118)
A/A (21)
rs204899 (Chr6:32057627)
Locus 379 top sentinel (tags KORA rs204888), p=0.19

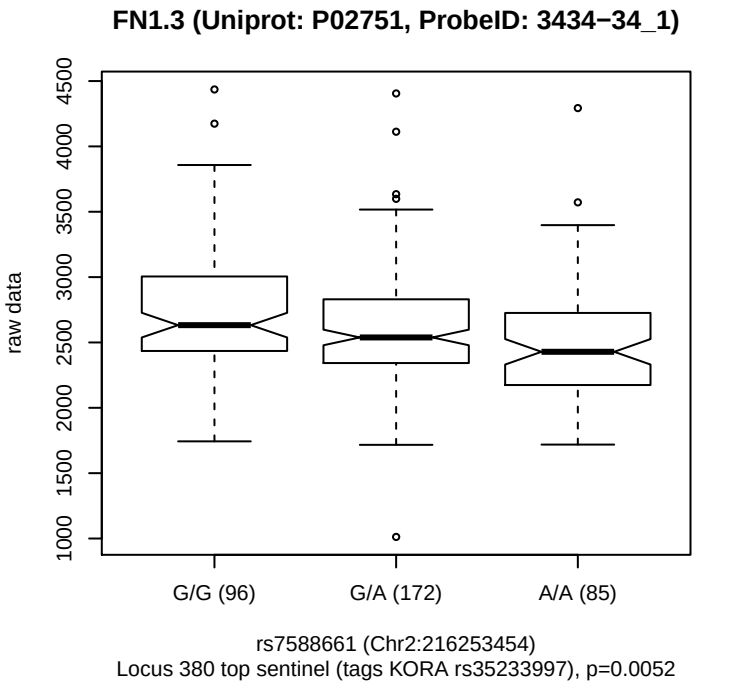

C4b (Uniprot: P0C0L4 P0C0L5, ProbeID: 2182−54_1)
Frequency
0
20
40
60
80
100
7
8
9
10
11
12
log2−scaled data
Complement C4b

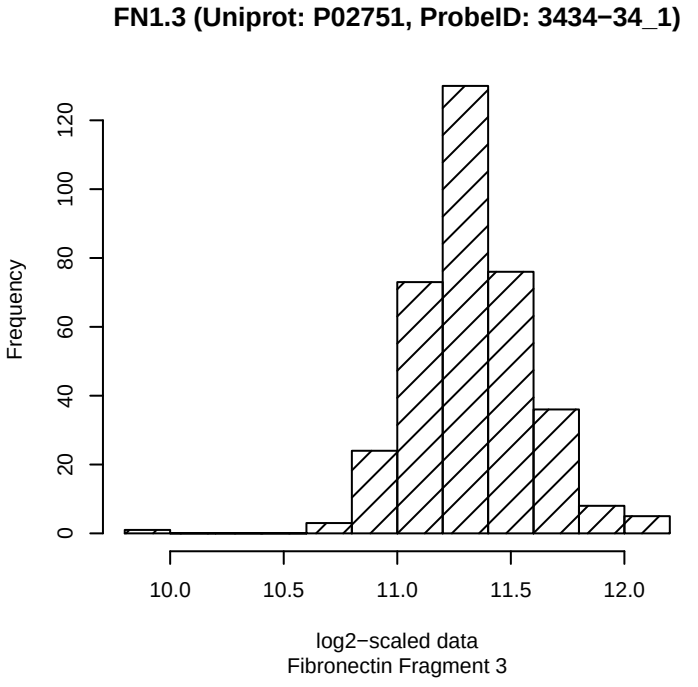

C4b (Uniprot: P0C0L4 P0C0L5, ProbeID: 2182−54_1)
log2−scaled data
7
8
9
10
11
G/G (213)
G/A (118)
A/A (21)
rs204899 (Chr6:32057627)
Locus 379 top sentinel (tags KORA rs204888), p=0.00087, FC=1.1559

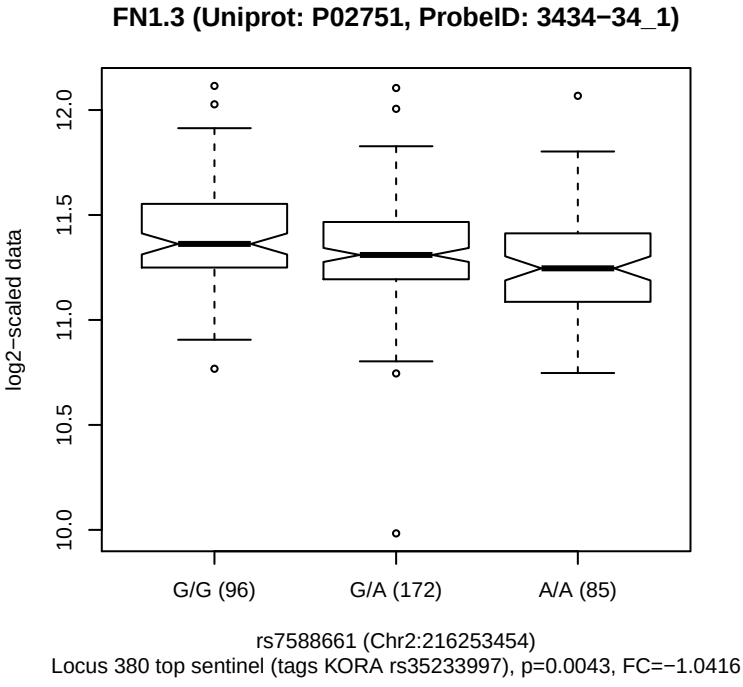

C4b (Uniprot: P0C0L4 P0C0L5, ProbeID: 2182−54_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Complement C4b

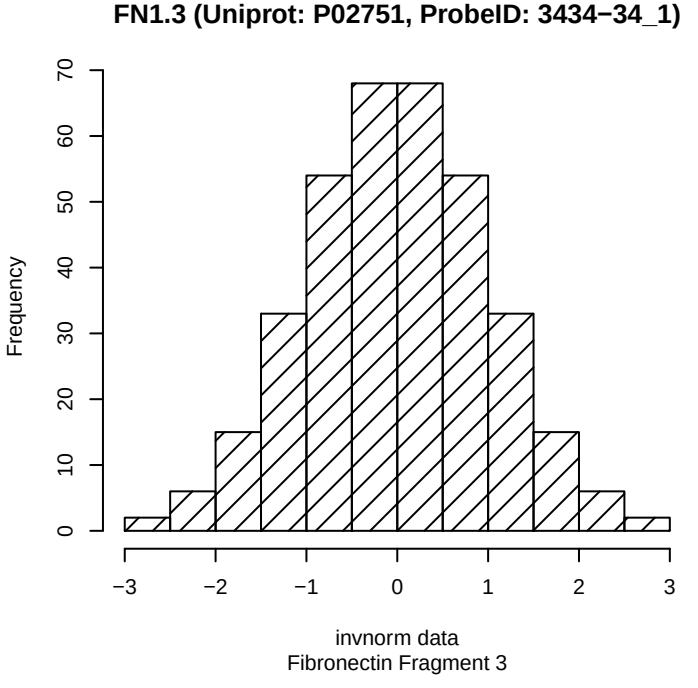

C4b (Uniprot: P0C0L4 P0C0L5, ProbeID: 2182−54_1)
invnorm data
−2
−1
0
1
2
G/G (213)
G/A (118)
A/A (21)
rs204899 (Chr6:32057627)
Locus 379 top sentinel (tags KORA rs204888), p=1e−04

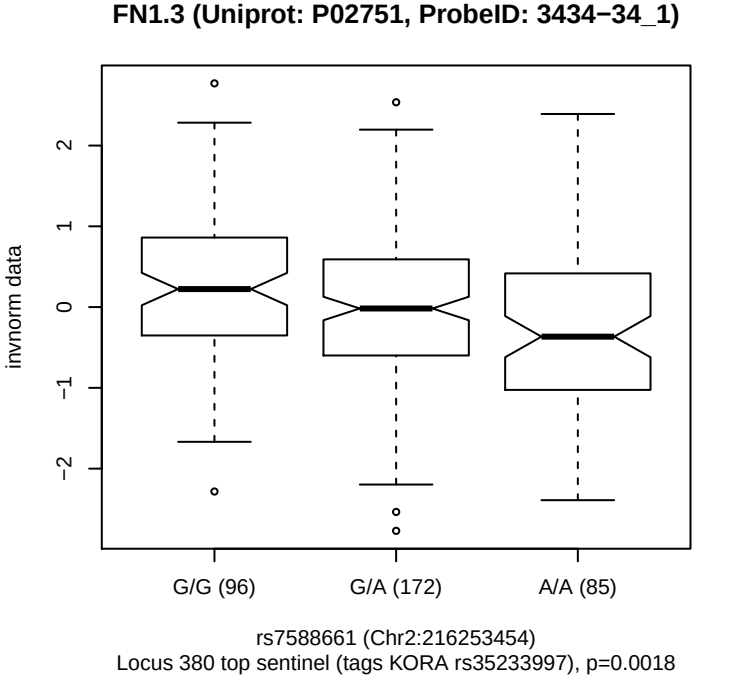

FN1.3 (Uniprot: P02751, ProbeID: 3434−34_1)
Frequency
0
20
40
60
80
100
120
140
1000
1500
2000
2500
3000
3500
4000
4500
raw data
Fibronectin Fragment 3

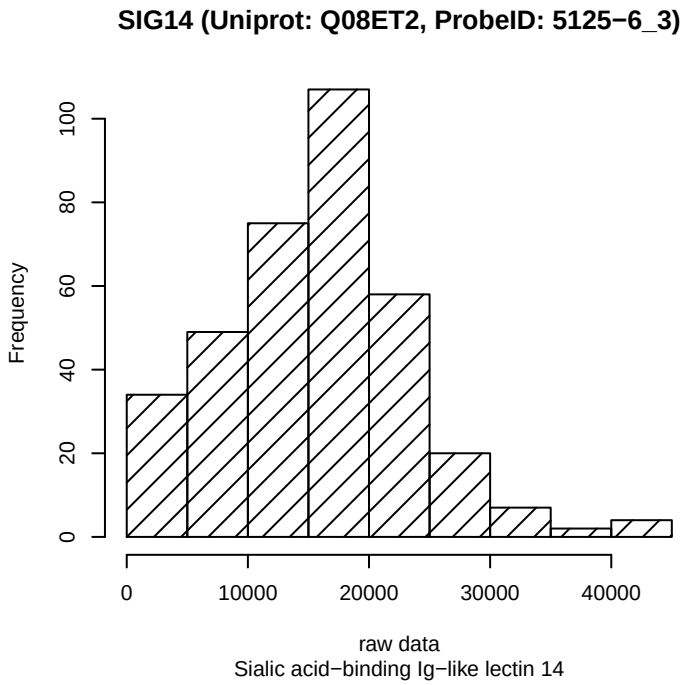

FN1.3 (Uniprot: P02751, ProbeID: 3434−34_1)
raw data
1000
1500
2000
2500
3000
3500
4000
4500
G/G (96)
G/A (172)
A/A (85)
rs7588661 (Chr2:216253454)
Locus 380 top sentinel (tags KORA rs35233997), p=0.0052

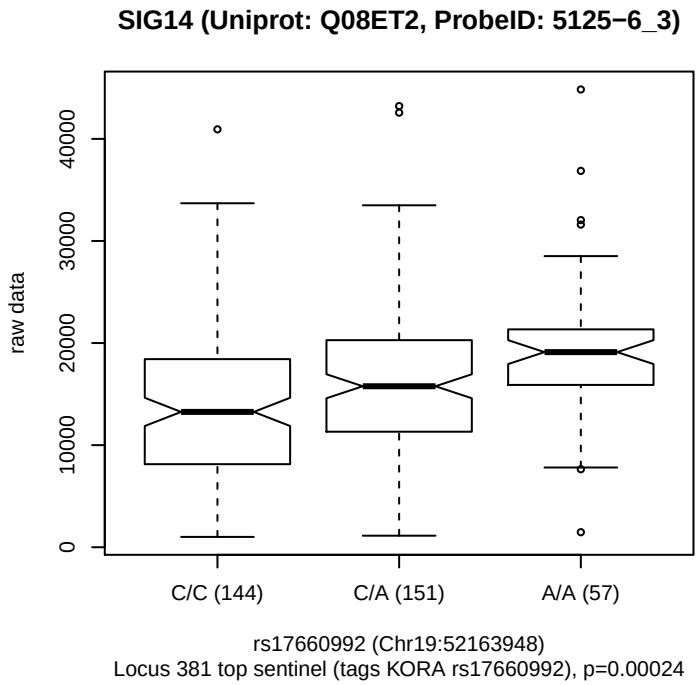

FN1.3 (Uniprot: P02751, ProbeID: 3434−34_1)
Frequency
0
20
40
60
80
100
120
10.0
10.5
11.0
11.5
12.0
log2−scaled data
Fibronectin Fragment 3

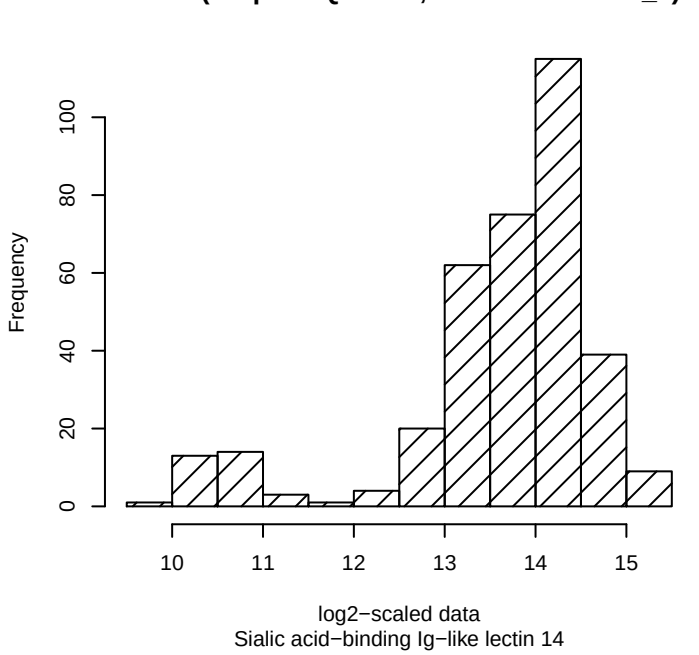

FN1.3 (Uniprot: P02751, ProbeID: 3434−34_1)
log2−scaled data
10.0
10.5
11.0
11.5
12.0
G/G (96)
G/A (172)
A/A (85)
rs7588661 (Chr2:216253454)
Locus 380 top sentinel (tags KORA rs35233997), p=0.0043, FC=−1.0416

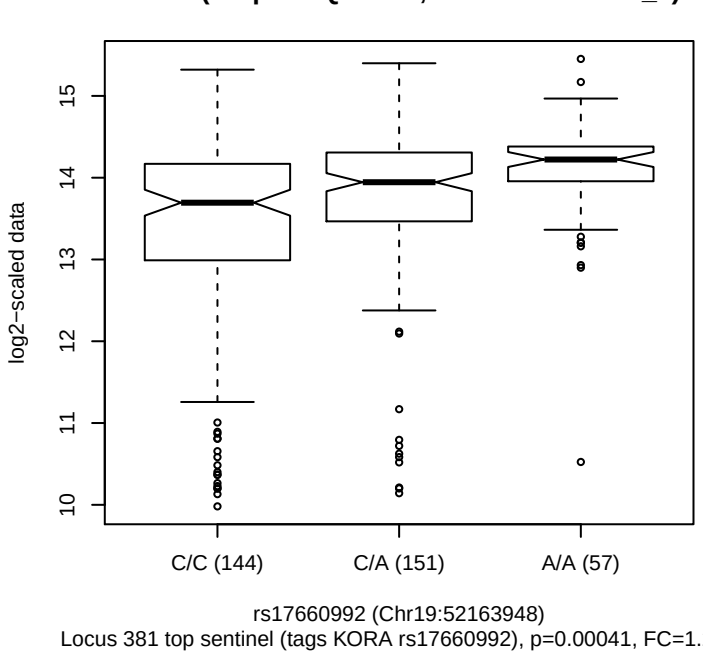

FN1.3 (Uniprot: P02751, ProbeID: 3434−34_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Fibronectin Fragment 3

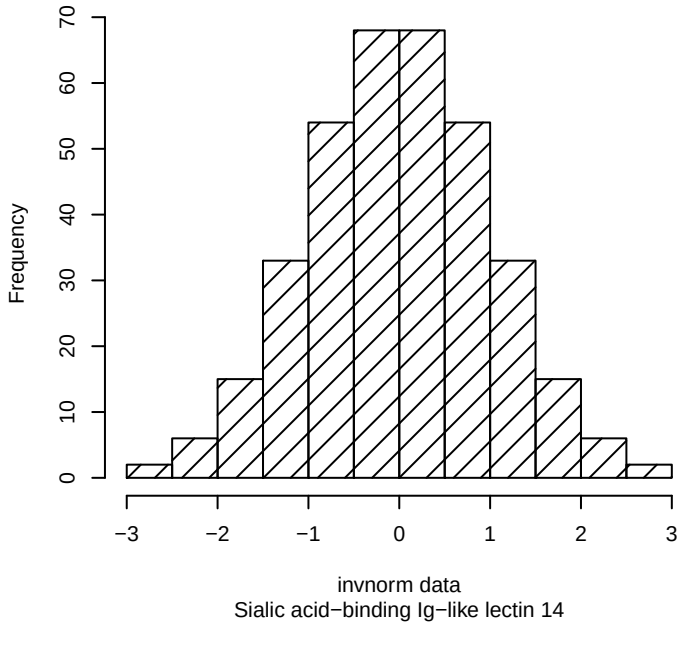

FN1.3 (Uniprot: P02751, ProbeID: 3434−34_1)
invnorm data
−2
−1
0
1
2
G/G (96)
G/A (172)
A/A (85)
rs7588661 (Chr2:216253454)
Locus 380 top sentinel (tags KORA rs35233997), p=0.0018

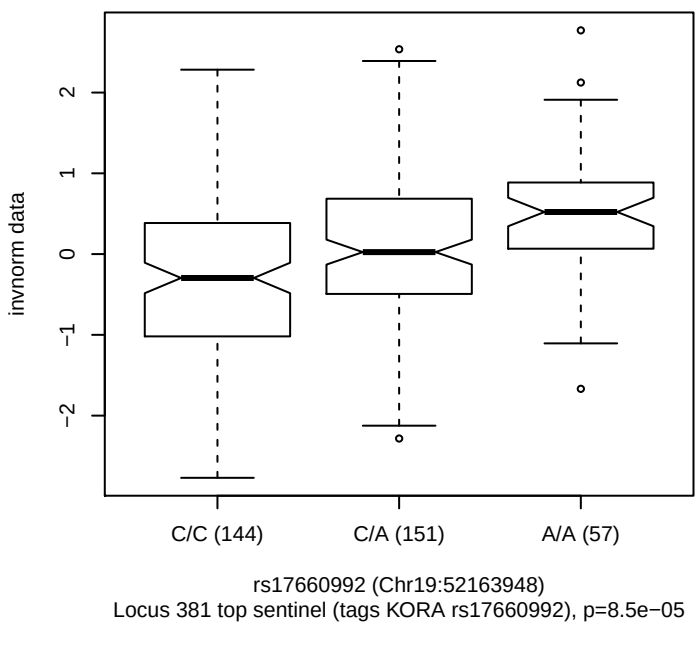

SIG14 (Uniprot: Q08ET2, ProbeID: 5125−6_3)
Frequency
0
20
40
60
80
100
0
10000
20000
30000
40000
raw data
Sialic acid−binding Ig−like lectin 14

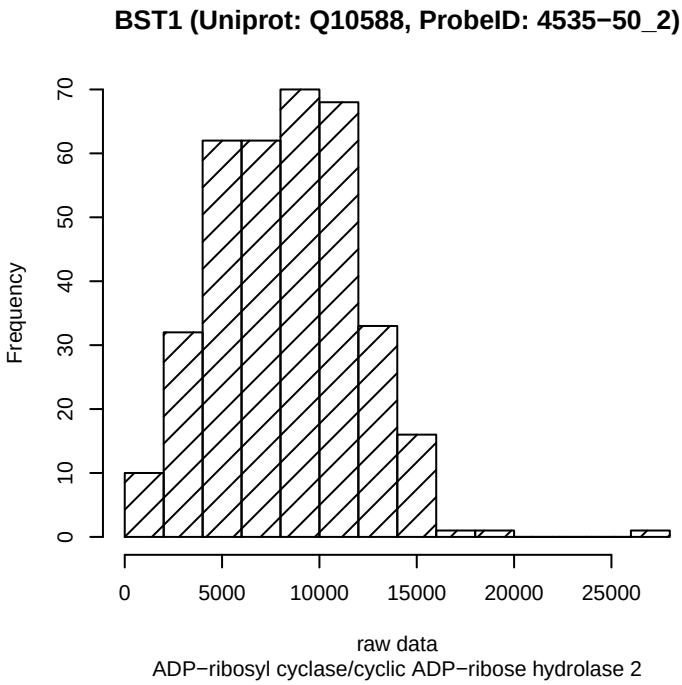

SIG14 (Uniprot: Q08ET2, ProbeID: 5125−6_3)
raw data
0
10000
20000
30000
40000
C/C (144)
C/A (151)
A/A (57)
rs17660992 (Chr19:52163948)
Locus 381 top sentinel (tags KORA rs17660992), p=0.00024

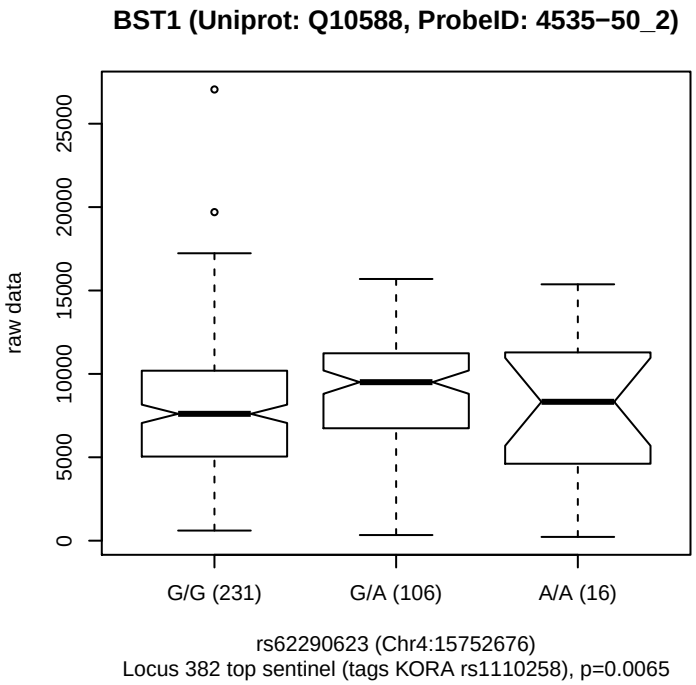

SIG14 (Uniprot: Q08ET2, ProbeID: 5125−6_3)
Frequency
0
20
40
60
80
100
10
11
12
13
14
15
log2−scaled data
Sialic acid−binding Ig−like lectin 14

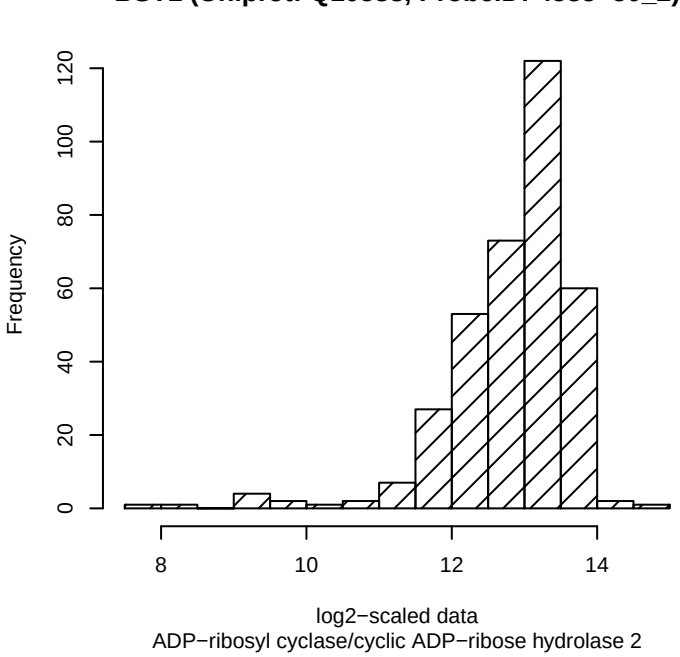

SIG14 (Uniprot: Q08ET2, ProbeID: 5125−6_3)
log2−scaled data
10
11
12
13
14
15
C/C (144)
C/A (151)
A/A (57)
rs17660992 (Chr19:52163948)
Locus 381 top sentinel (tags KORA rs17660992), p=0.00041, FC=1.204

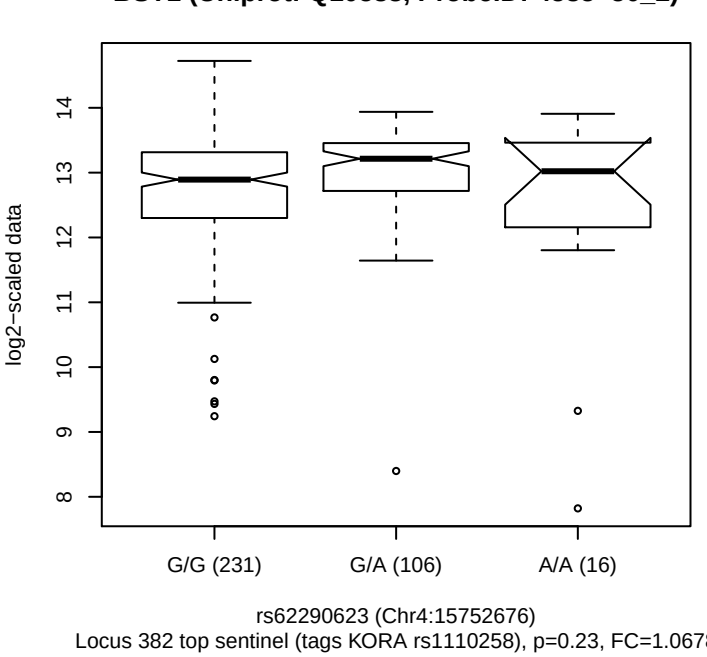

SIG14 (Uniprot: Q08ET2, ProbeID: 5125−6_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Sialic acid−binding Ig−like lectin 14

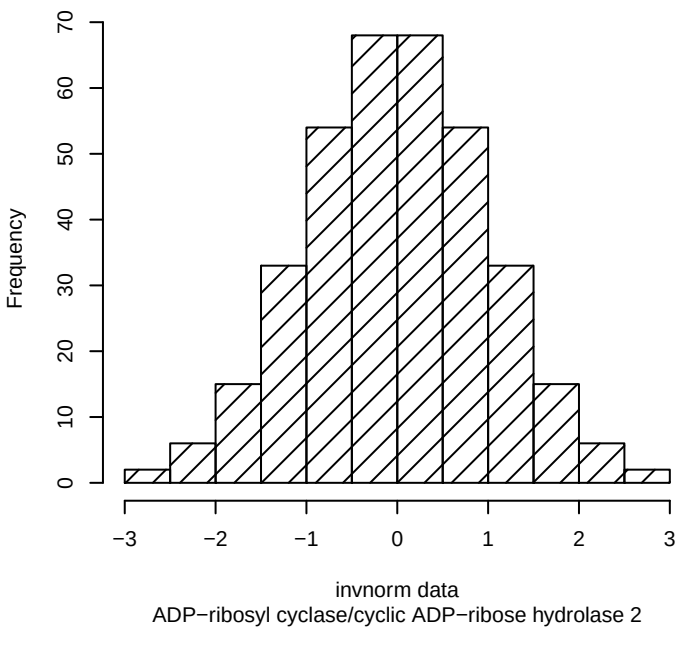

SIG14 (Uniprot: Q08ET2, ProbeID: 5125−6_3)
invnorm data
−2
−1
0
1
2
C/C (144)
C/A (151)
A/A (57)
rs17660992 (Chr19:52163948)
Locus 381 top sentinel (tags KORA rs17660992), p=8.5e−05

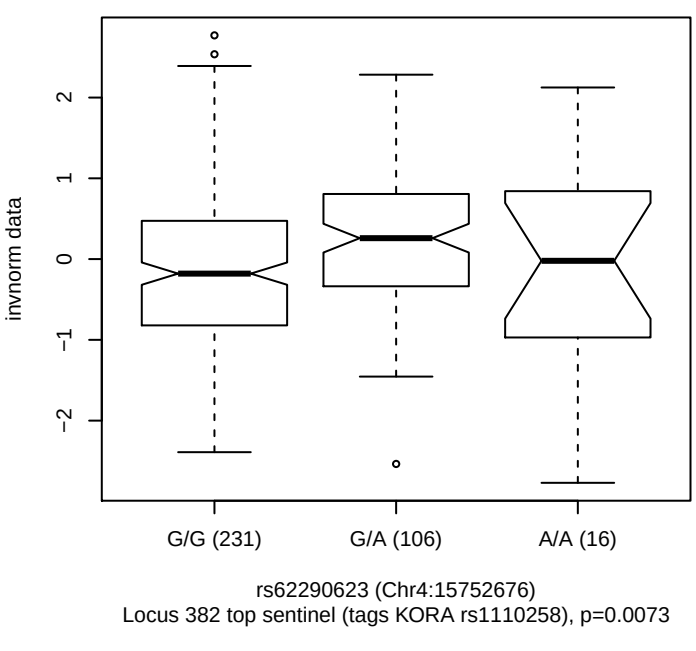

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
Frequency
0
10
20
30
40
50
60
70
0
5000
10000
15000
20000
25000
raw data
ADP−ribosyl cyclase/cyclic ADP−ribose hydrolase 2


BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
raw data
0
5000
10000
15000
20000
25000
G/G (231)
G/A (106)
A/A (16)
rs62290623 (Chr4:15752676)
Locus 382 top sentinel (tags KORA rs1110258), p=0.0065

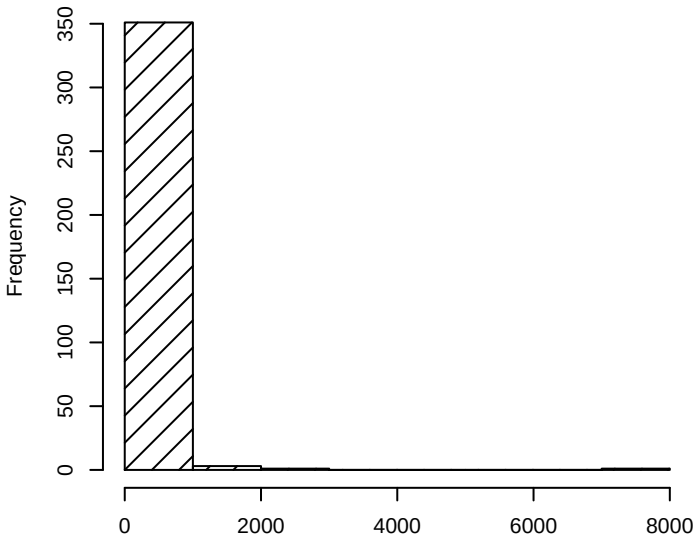

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
Frequency
0
20
40
60
80
100
120
8
10
12
14
log2−scaled data
ADP−ribosyl cyclase/cyclic ADP−ribose hydrolase 2


BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
log2−scaled data
8
9
10
11
12
13
14
G/G (231)
G/A (106)
A/A (16)
rs62290623 (Chr4:15752676)
Locus 382 top sentinel (tags KORA rs1110258), p=0.23, FC=1.0678


BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
ADP−ribosyl cyclase/cyclic ADP−ribose hydrolase 2

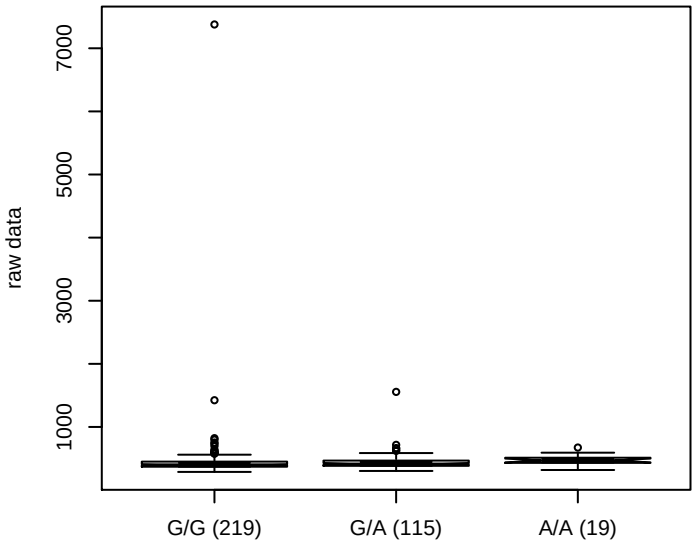

BST1 (Uniprot: Q10588, ProbeID: 4535−50_2)
invnorm data
−2
−1
0
1
2
G/G (231)
G/A (106)
A/A (16)
rs62290623 (Chr4:15752676)
Locus 382 top sentinel (tags KORA rs1110258), p=0.0073

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



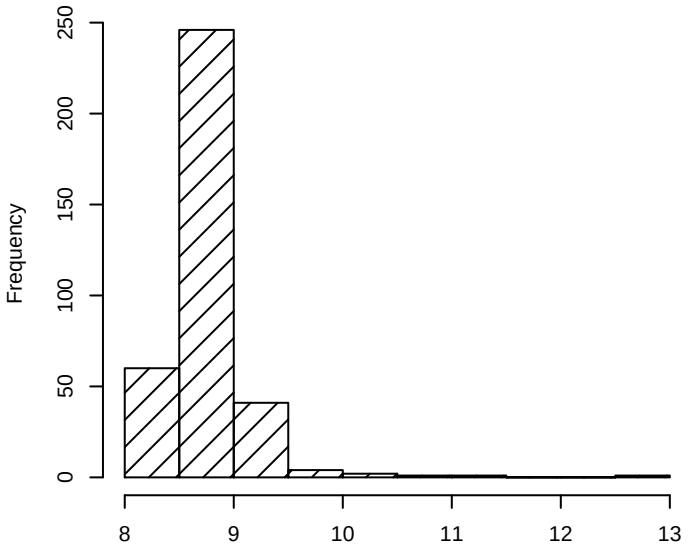
raw data
A disintegrin and metalloproteinase with thrombospondin motifs 5

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



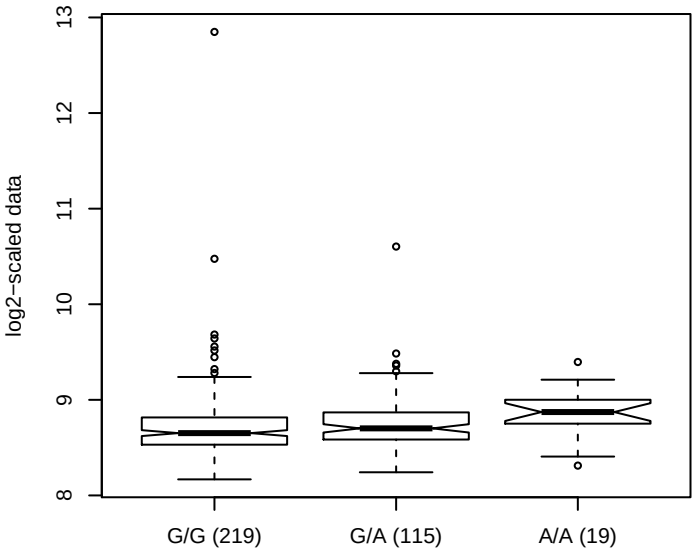
rs229100 (Chr21:28223092)
Locus 383 top sentinel (tags KORA rs229100), p=0.89

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



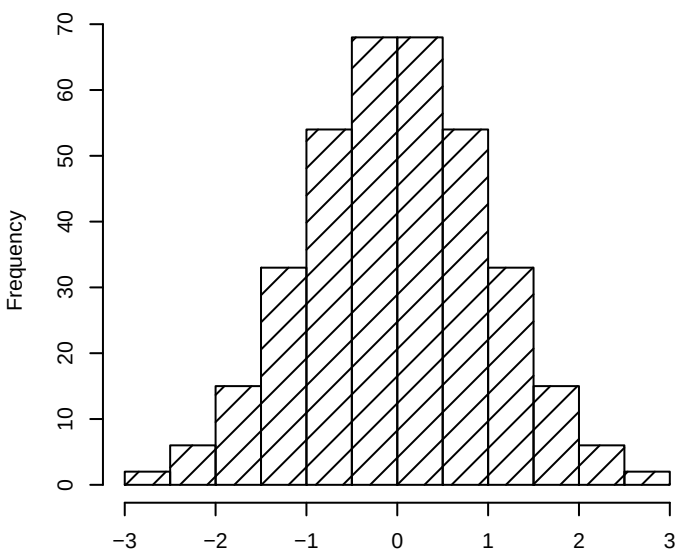
log2−scaled data
A disintegrin and metalloproteinase with thrombospondin motifs 5

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



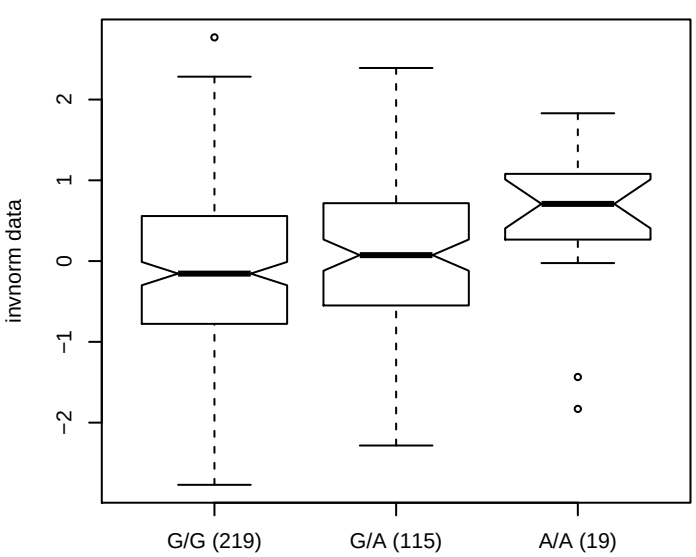
rs229100 (Chr21:28223092)
Locus 383 top sentinel (tags KORA rs229100), p=0.12, FC=1.0351

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

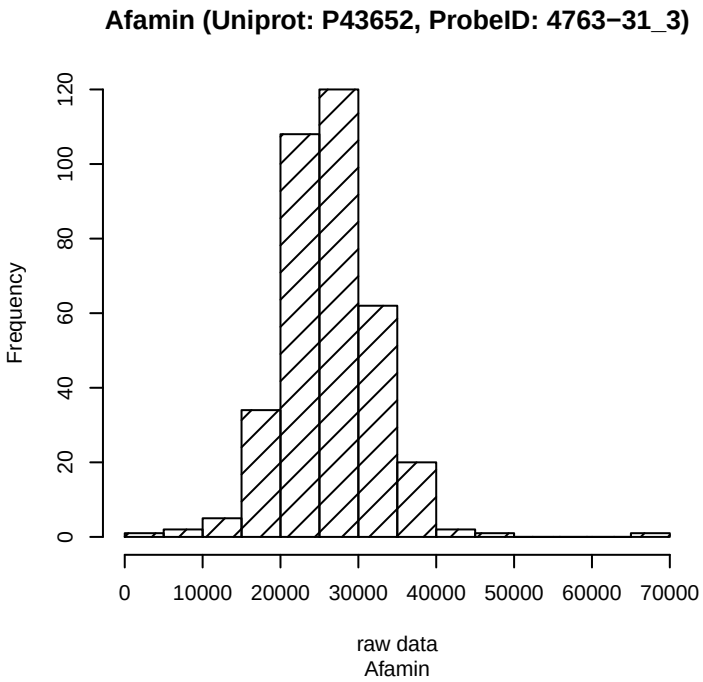


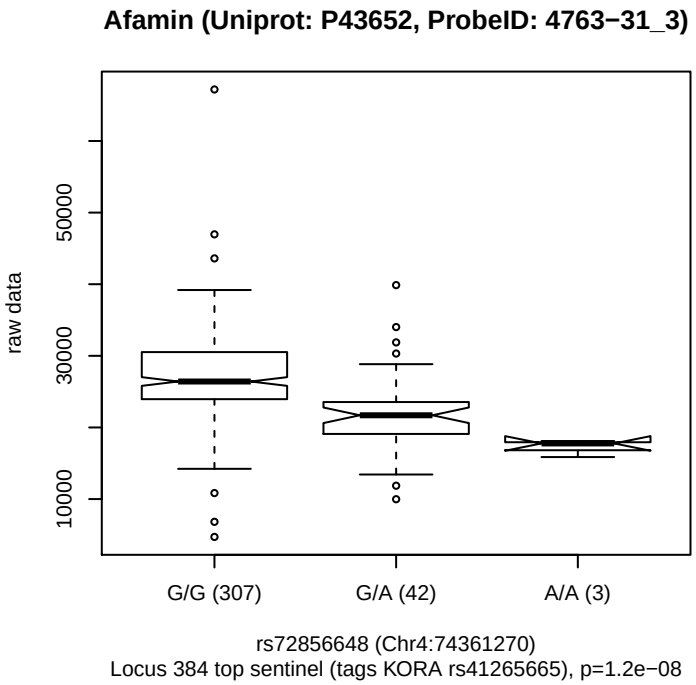
invnorm data
A disintegrin and metalloproteinase with thrombospondin motifs 5

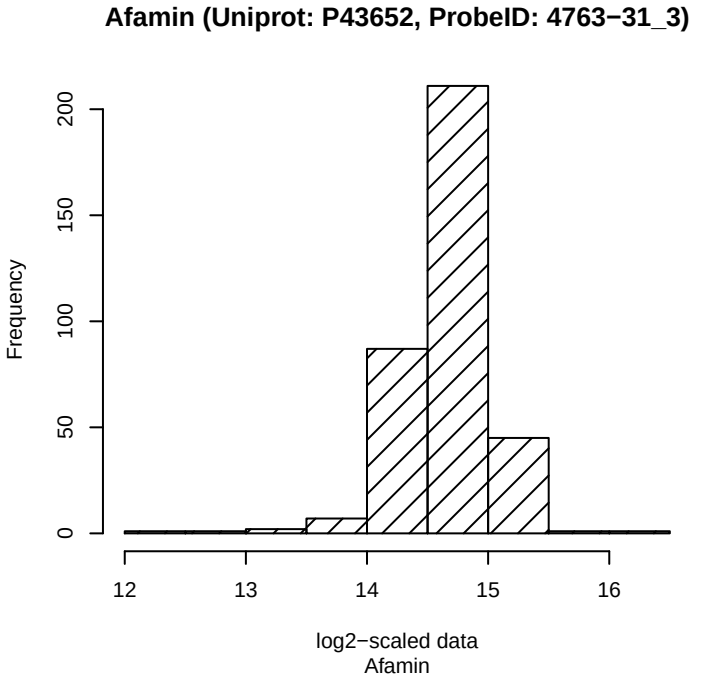
ADAMTS−5 (Uniprot: Q9UNA0, ProbeID: 3168−8_2)

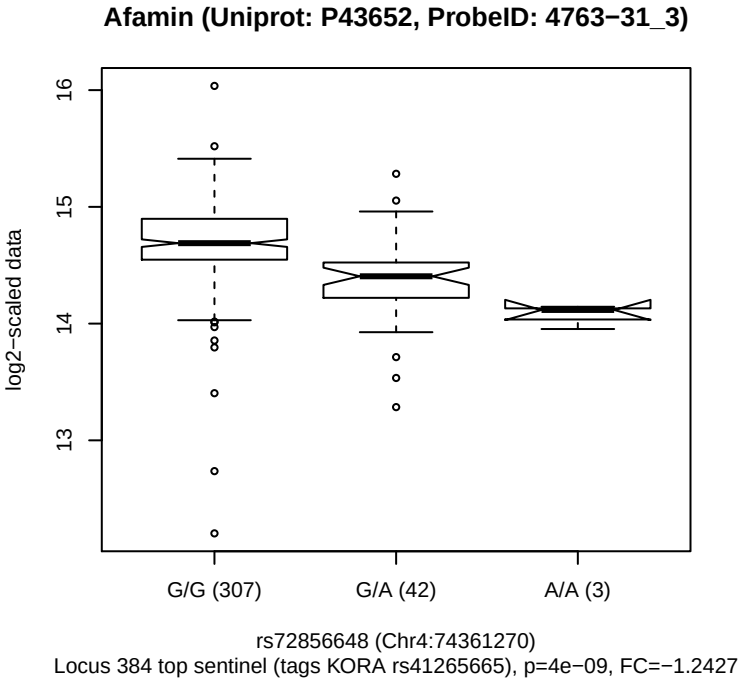


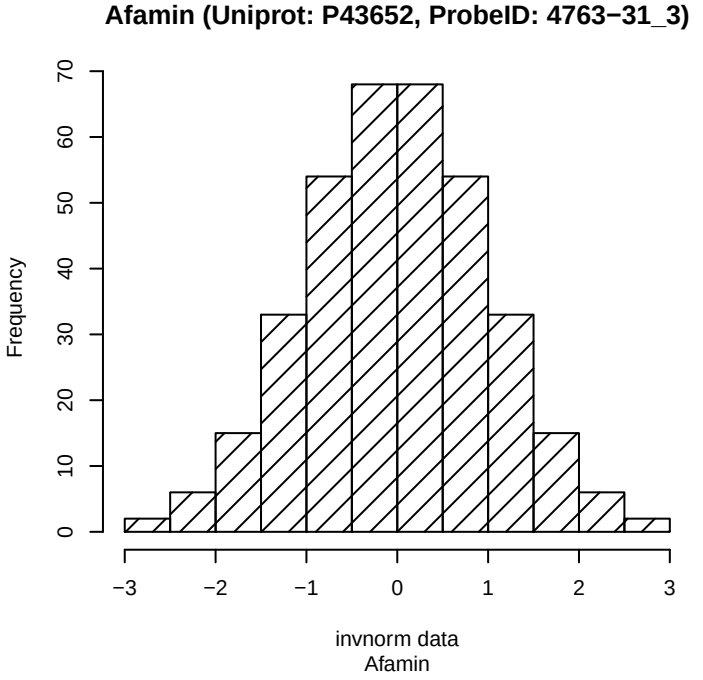
rs229100 (Chr21:28223092)
Locus 383 top sentinel (tags KORA rs229100), p=0.00029

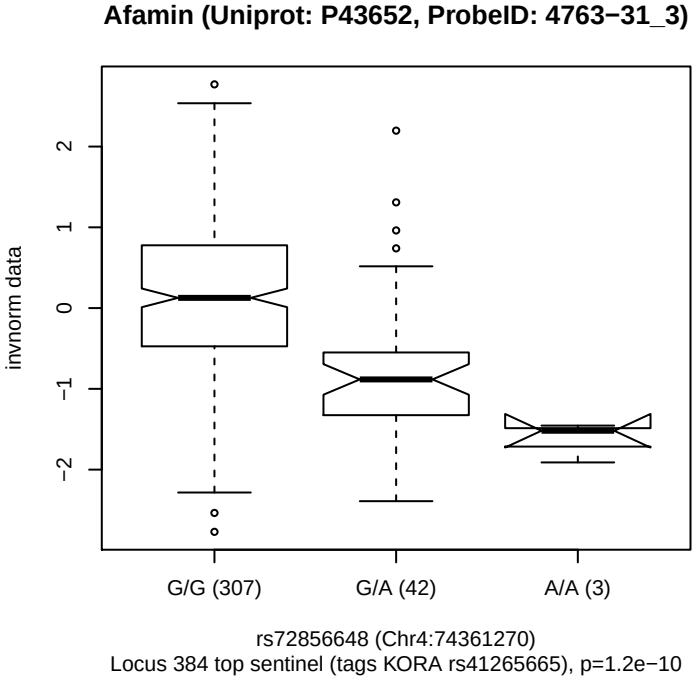

Afamin (Uniprot: P43652, ProbeID: 4763−31_3)
Frequency
0
20
40
60
80
100
120
0
10000
20000
30000
40000
50000
60000
70000
raw data
Afamin

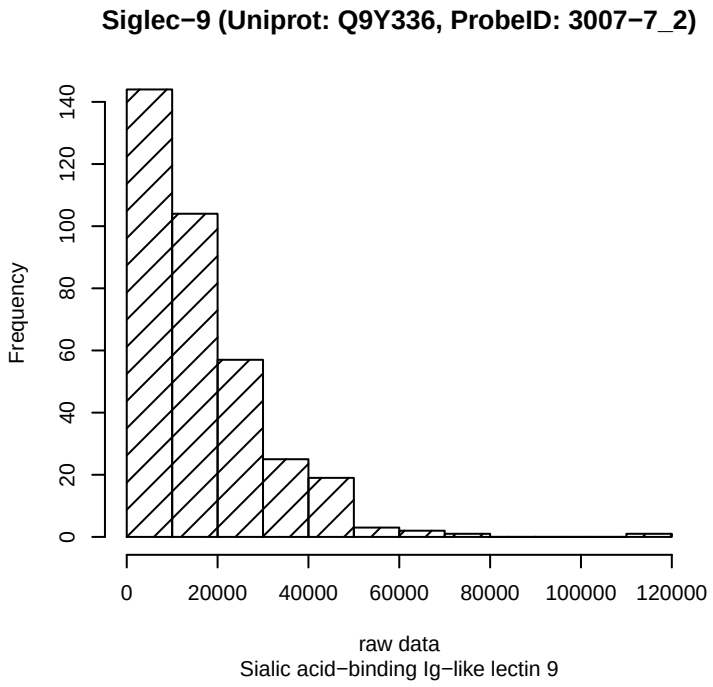

Afamin (Uniprot: P43652, ProbeID: 4763−31_3)
raw data
10000
30000
50000
G/G (307)
G/A (42)
A/A (3)
rs72856648 (Chr4:74361270)
Locus 384 top sentinel (tags KORA rs41265665), p=1.2e−08

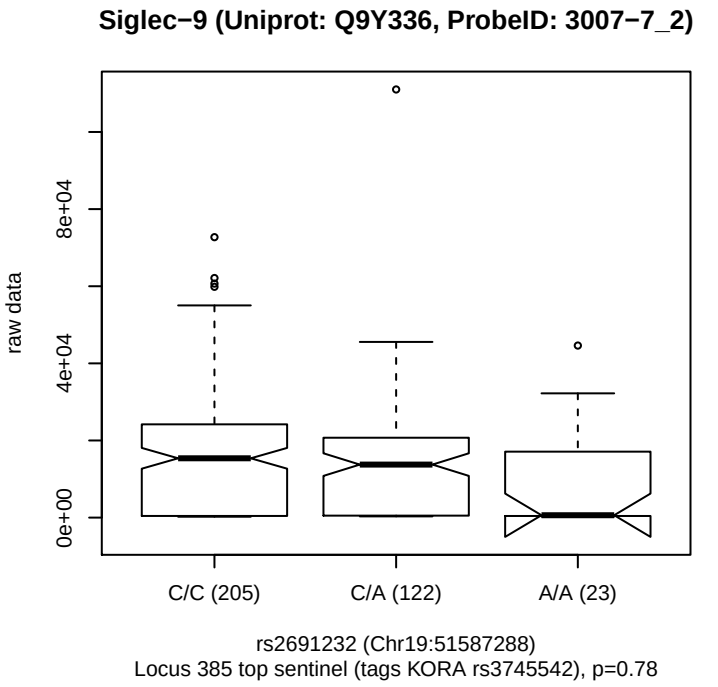

Afamin (Uniprot: P43652, ProbeID: 4763−31_3)
Frequency
0
50
100
150
200
12
13
14
15
16
log2−scaled data
Afamin

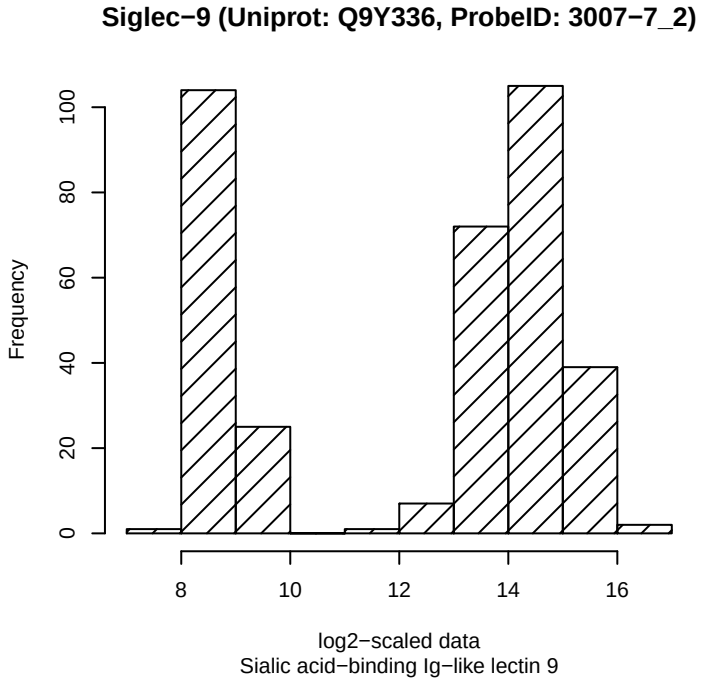

Afamin (Uniprot: P43652, ProbeID: 4763−31_3)
log2−scaled data
13
14
15
16
G/G (307)
G/A (42)
A/A (3)
rs72856648 (Chr4:74361270)
Locus 384 top sentinel (tags KORA rs41265665), p=4e−09, FC=−1.2427

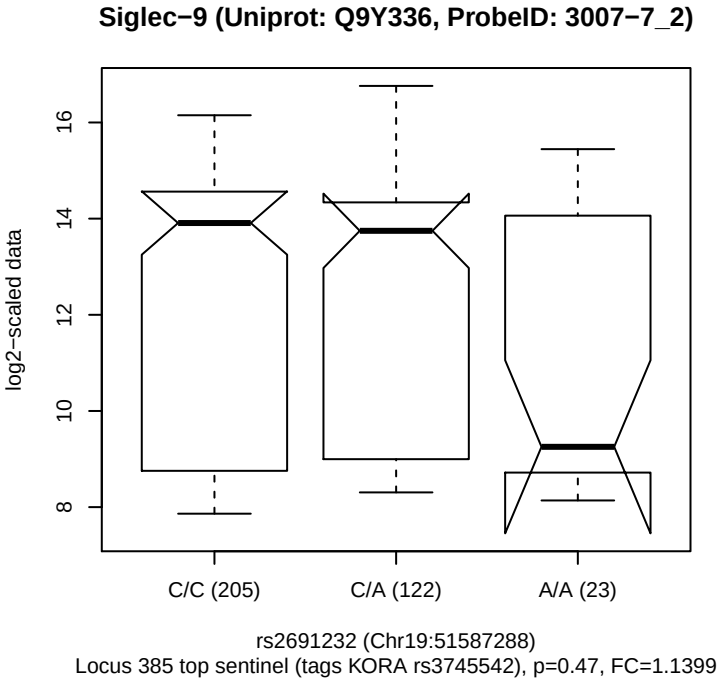

Afamin (Uniprot: P43652, ProbeID: 4763−31_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Afamin

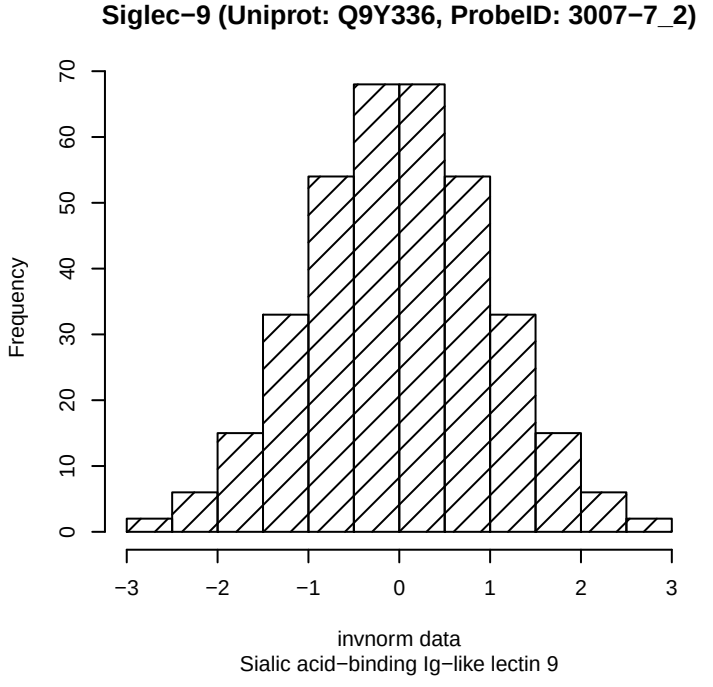

Afamin (Uniprot: P43652, ProbeID: 4763−31_3)
invnorm data
−2
−1
0
1
2
G/G (307)
G/A (42)
A/A (3)
rs72856648 (Chr4:74361270)
Locus 384 top sentinel (tags KORA rs41265665), p=1.2e−10

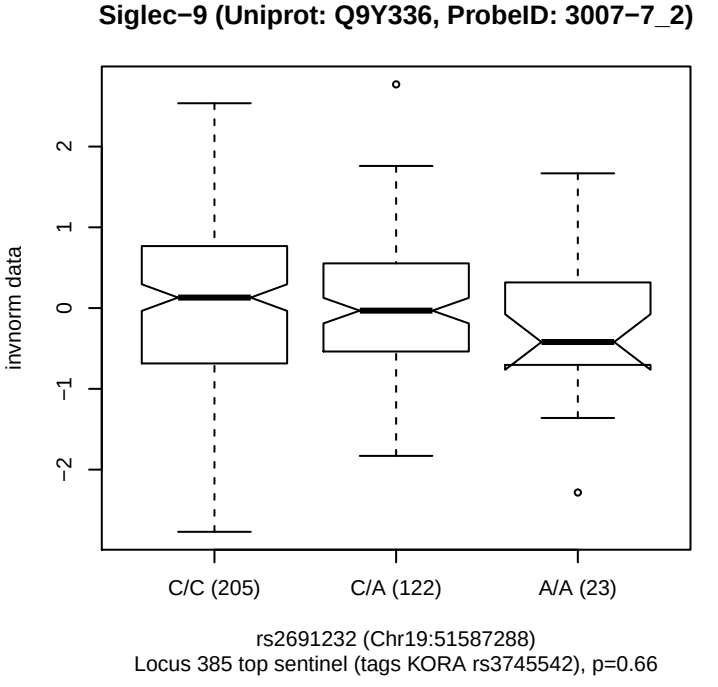

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
Frequency
0
20
40
60
80
100
120
140
0
20000
40000
60000
80000
100000
120000
raw data
Sialic acid−binding Ig−like lectin 9

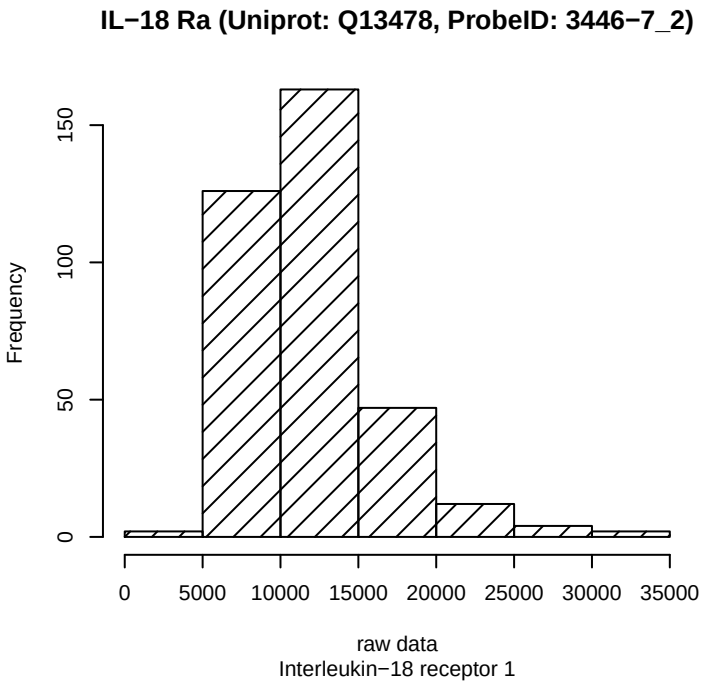

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
raw data
0e+00
4e+04
8e+04
C/C (205)
C/A (122)
A/A (23)
rs2691232 (Chr19:51587288)
Locus 385 top sentinel (tags KORA rs3745542), p=0.78

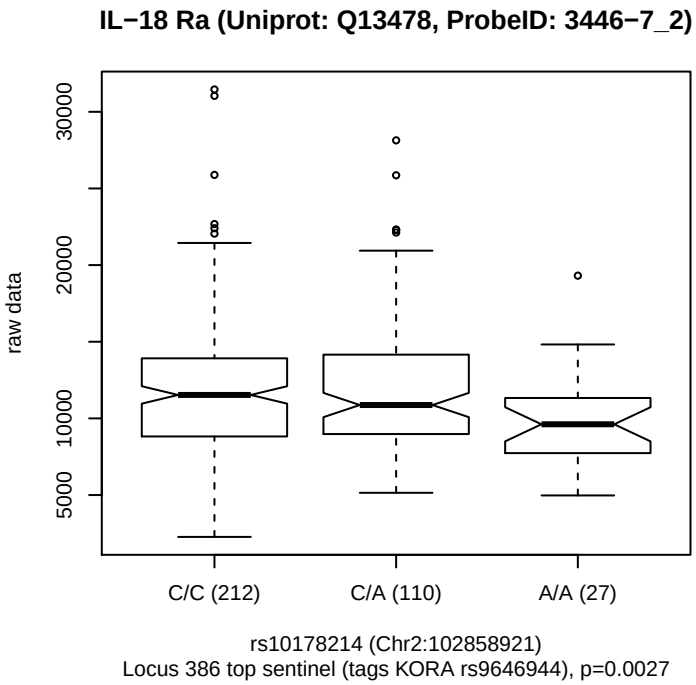

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
Frequency
0
20
40
60
80
100
8
10
12
14
16
log2−scaled data
Sialic acid−binding Ig−like lectin 9

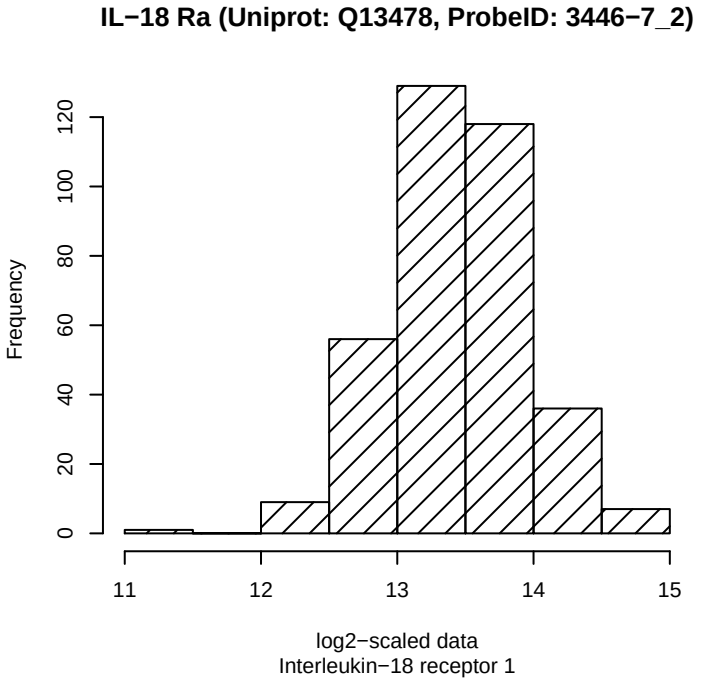

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
log2−scaled data
8
10
12
14
16
C/C (205)
C/A (122)
A/A (23)
rs2691232 (Chr19:51587288)
Locus 385 top sentinel (tags KORA rs3745542), p=0.47, FC=1.1399

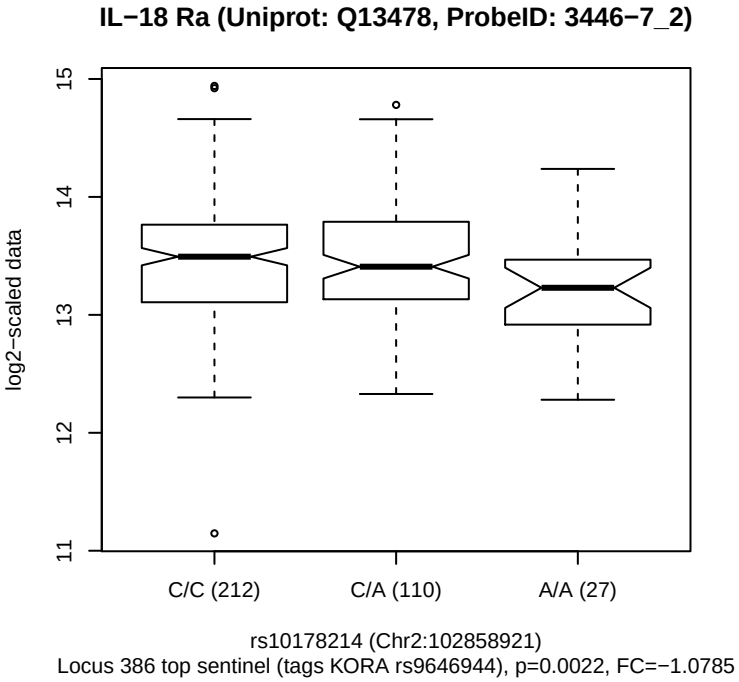

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Sialic acid−binding Ig−like lectin 9

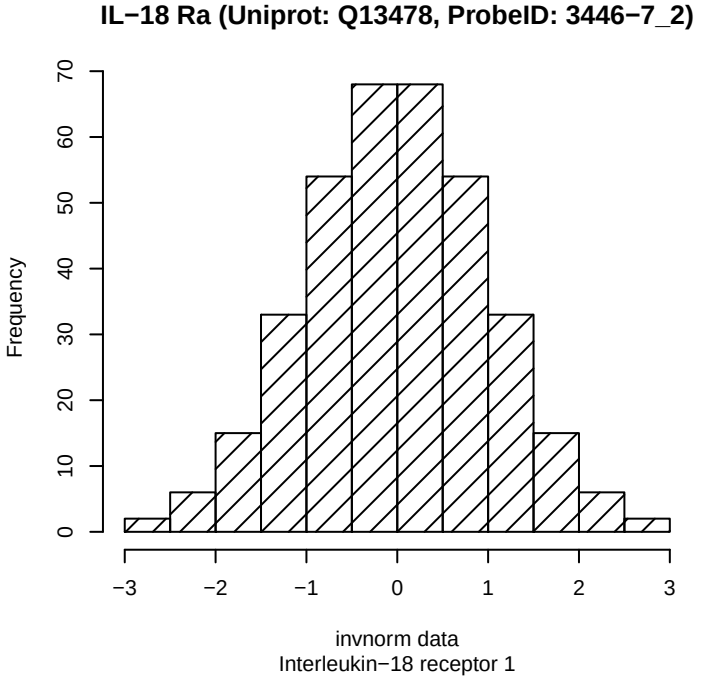

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
invnorm data
−2
−1
0
1
2
C/C (205)
C/A (122)
A/A (23)
rs2691232 (Chr19:51587288)
Locus 385 top sentinel (tags KORA rs3745542), p=0.66

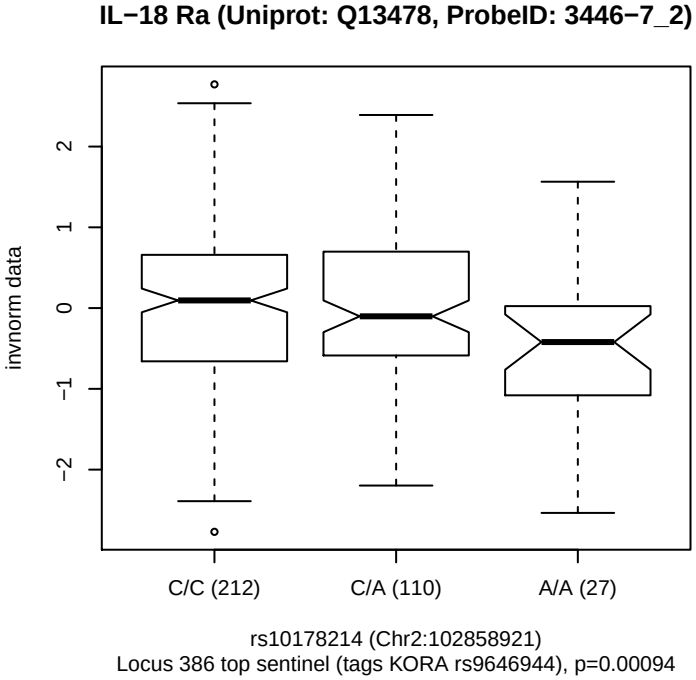

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
Frequency
0
50
100
150
0
5000
10000
15000
20000
25000
30000
35000
raw data
Interleukin−18 receptor 1

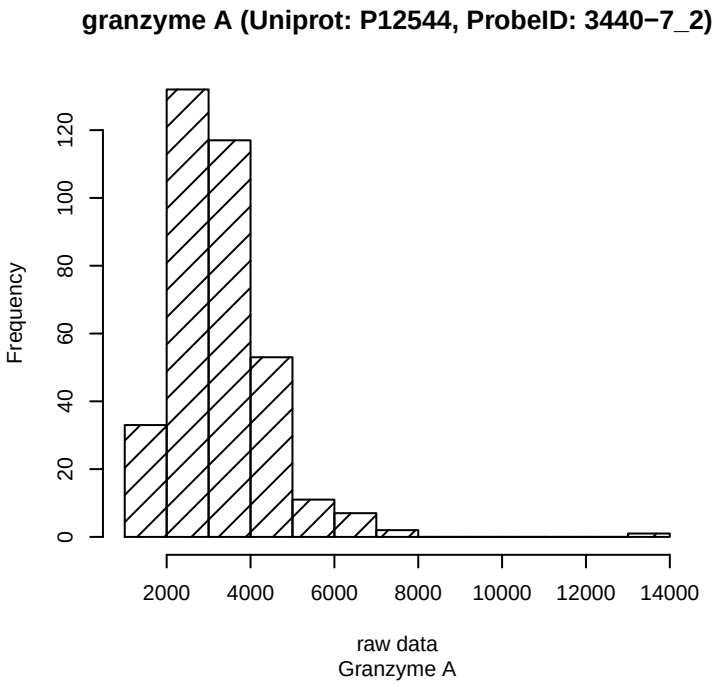

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
raw data
5000
10000
20000
30000
C/C (212)
C/A (110)
A/A (27)
rs10178214 (Chr2:102858921)
Locus 386 top sentinel (tags KORA rs9646944), p=0.0027

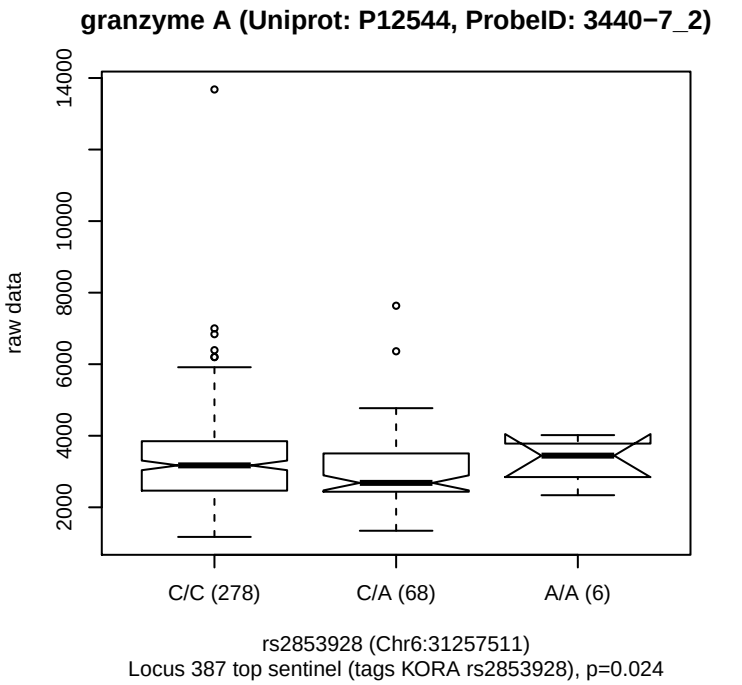

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
Frequency
0
20
40
60
80
100
120
11
12
13
14
15
log2−scaled data
Interleukin−18 receptor 1

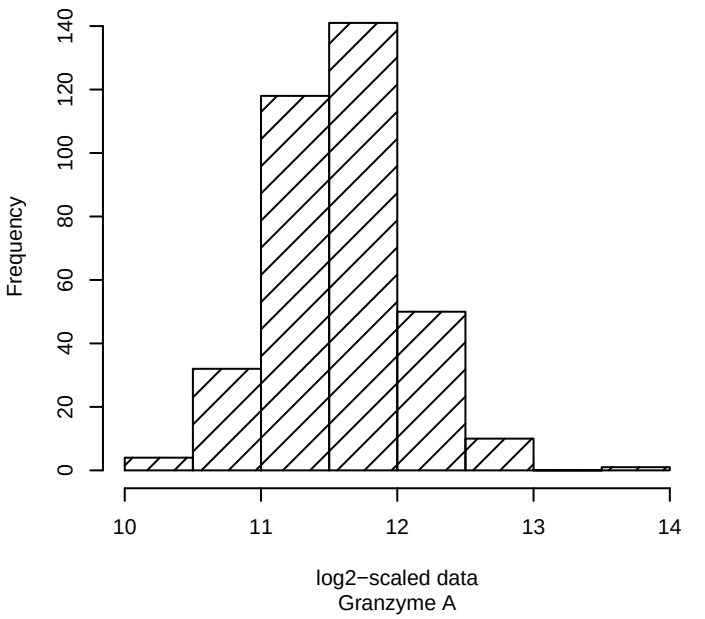

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
log2−scaled data
11
12
13
14
15
C/C (212)
C/A (110)
A/A (27)
rs10178214 (Chr2:102858921)
Locus 386 top sentinel (tags KORA rs9646944), p=0.0022, FC=−1.0785

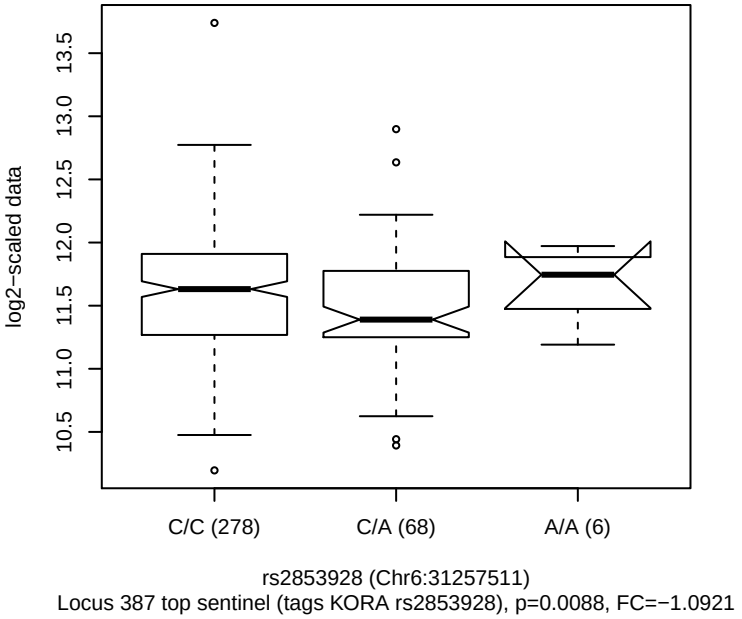

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−18 receptor 1

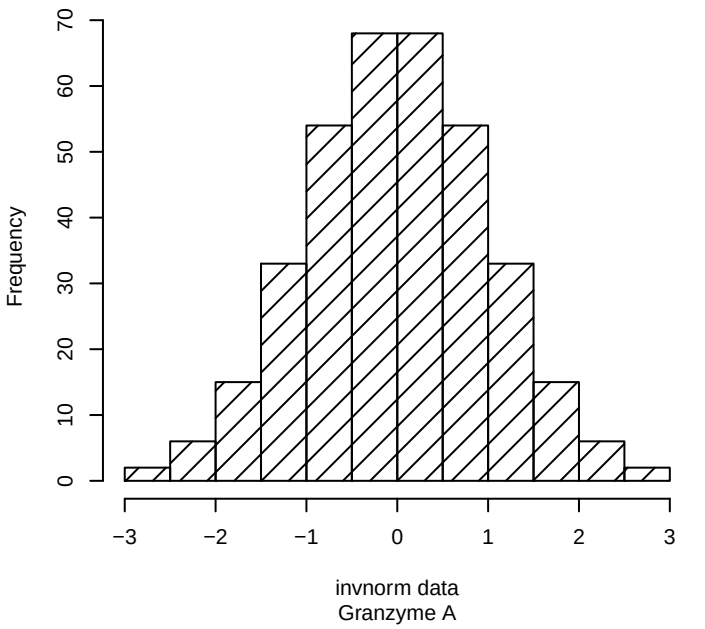

IL−18 Ra (Uniprot: Q13478, ProbeID: 3446−7_2)
invnorm data
−2
−1
0
1
2
C/C (212)
C/A (110)
A/A (27)
rs10178214 (Chr2:102858921)
Locus 386 top sentinel (tags KORA rs9646944), p=0.00094

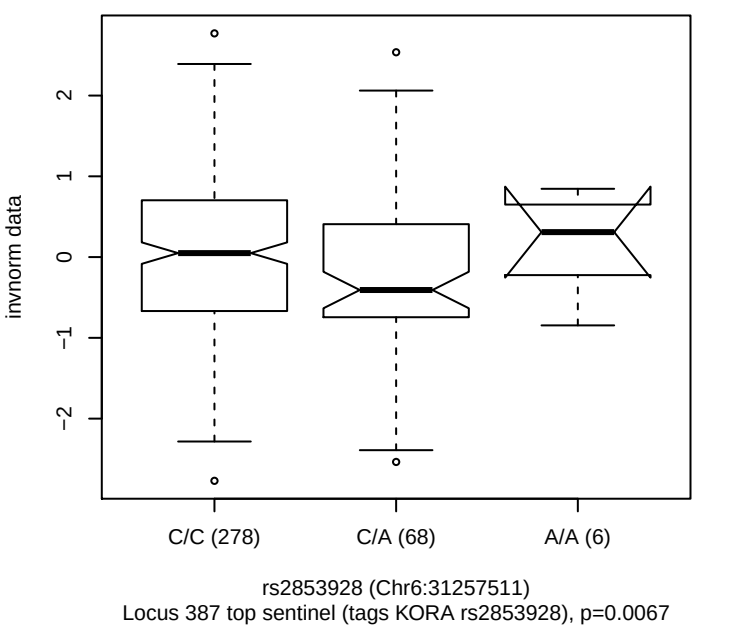

granzyme A (Uniprot: P12544, ProbeID: 3440−7_2)
Frequency
0
20
40
60
80
100
120
2000
4000
6000
8000
10000
12000
14000
raw data
Granzyme A

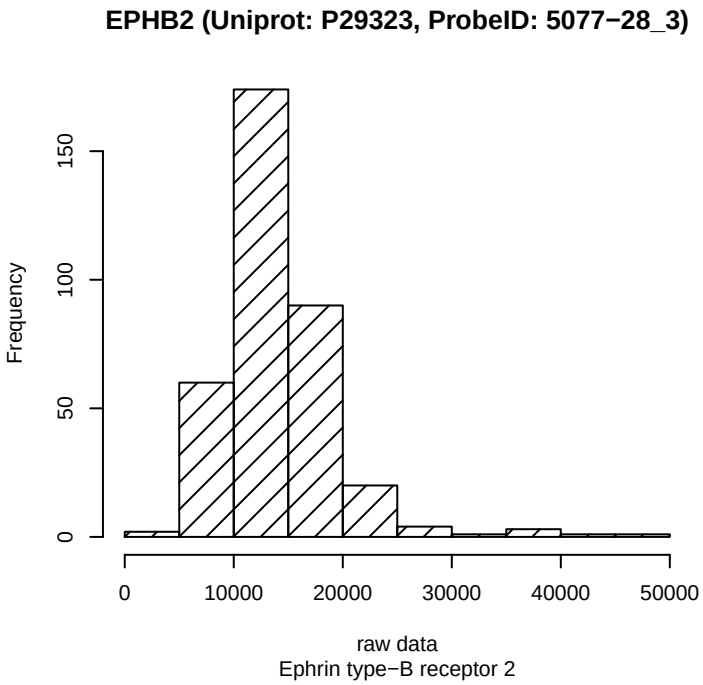

granzyme A (Uniprot: P12544, ProbeID: 3440−7_2)
raw data
2000
4000
6000
8000
10000
14000
C/C (278)
C/A (68)
A/A (6)
rs2853928 (Chr6:31257511)
Locus 387 top sentinel (tags KORA rs2853928), p=0.024

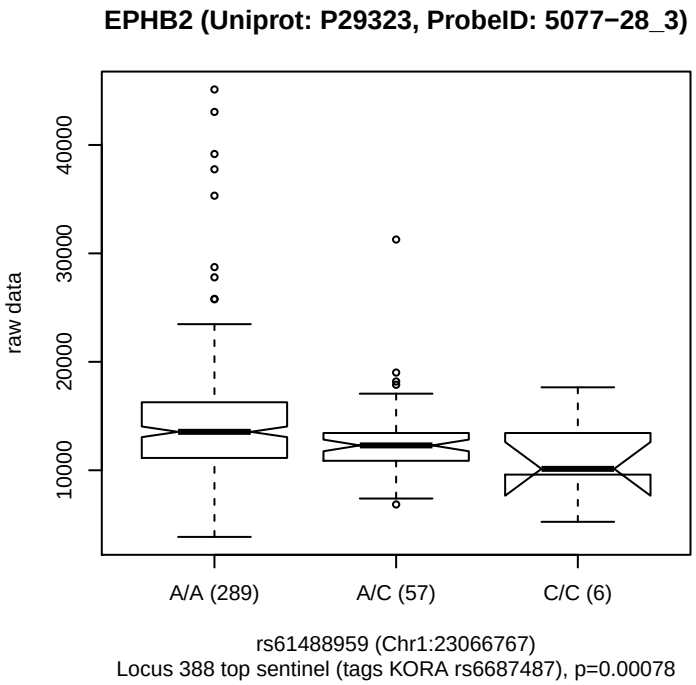

granzyme A (Uniprot: P12544, ProbeID: 3440−7_2)
Frequency
0
20
40
60
80
100
120
140
10
11
12
13
14
log2−scaled data
Granzyme A

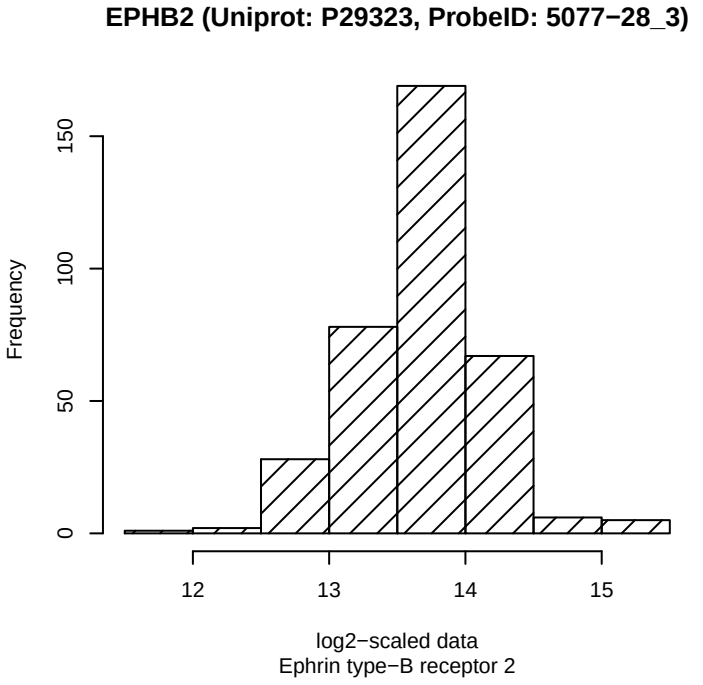

granzyme A (Uniprot: P12544, ProbeID: 3440−7_2)
log2−scaled data
10.5
11.0
11.5
12.0
12.5
13.0
13.5
C/C (278)
C/A (68)
A/A (6)
rs2853928 (Chr6:31257511)
Locus 387 top sentinel (tags KORA rs2853928), p=0.0088, FC=−1.0921

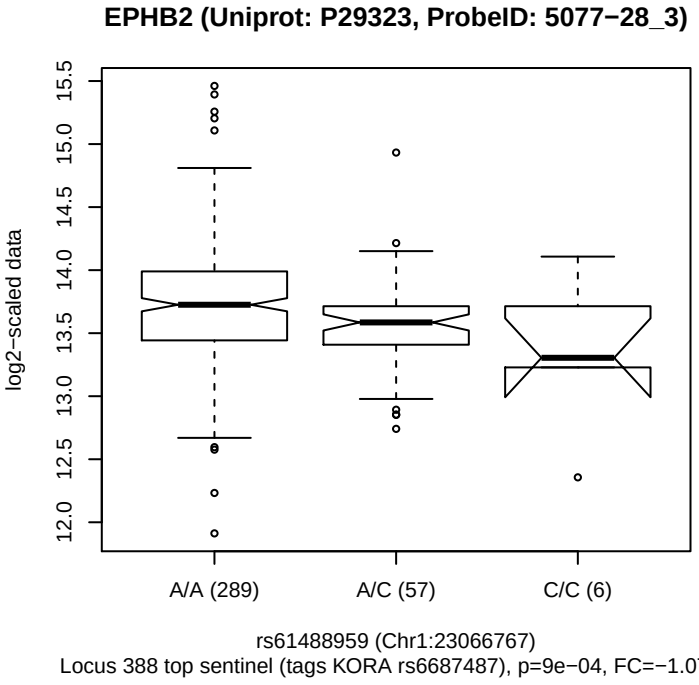

granzyme A (Uniprot: P12544, ProbeID: 3440−7_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Granzyme A

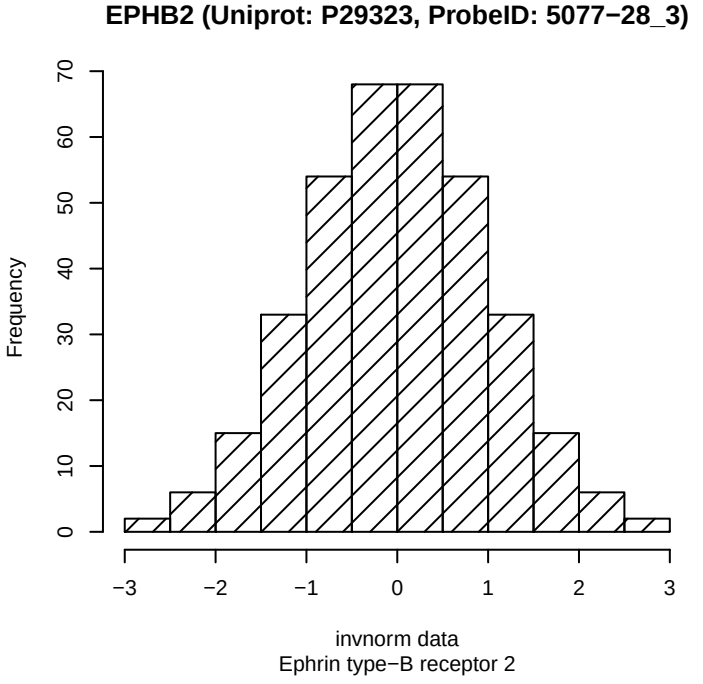

granzyme A (Uniprot: P12544, ProbeID: 3440−7_2)
invnorm data
−2
−1
0
1
2
C/C (278)
C/A (68)
A/A (6)
rs2853928 (Chr6:31257511)
Locus 387 top sentinel (tags KORA rs2853928), p=0.0067

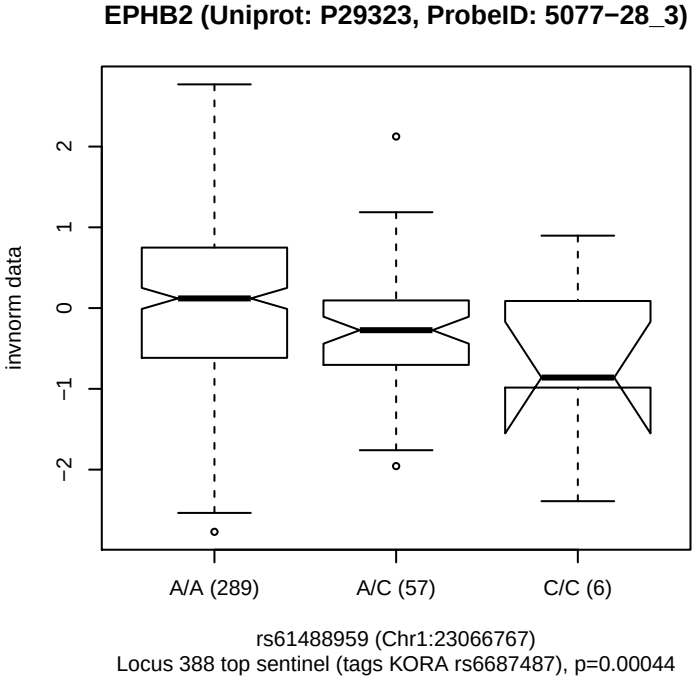

EPHB2 (Uniprot: P29323, ProbeID: 5077−28_3)
Frequency
0
50
100
150
0
10000
20000
30000
40000
50000
raw data
Ephrin type−B receptor 2

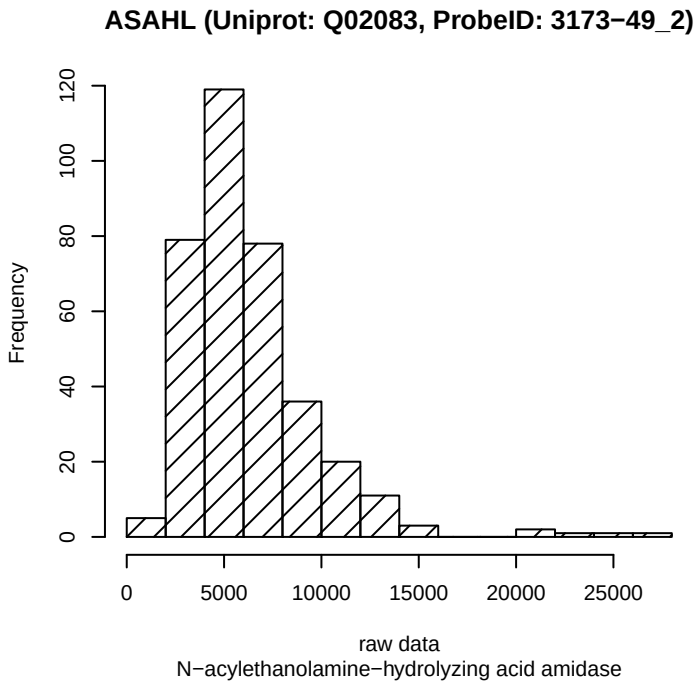

EPHB2 (Uniprot: P29323, ProbeID: 5077−28_3)
raw data
10000
20000
30000
40000
A/A (289)
A/C (57)
C/C (6)
rs61488959 (Chr1:23066767)
Locus 388 top sentinel (tags KORA rs6687487), p=0.00078

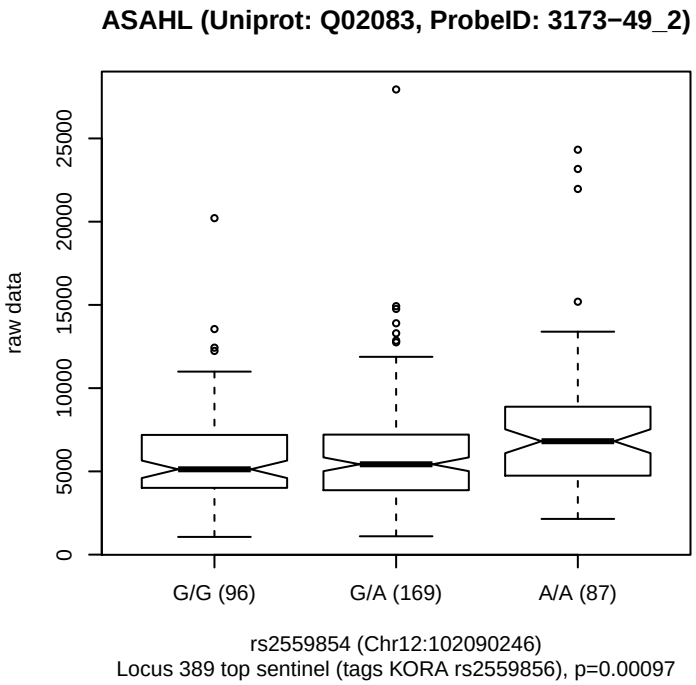

EPHB2 (Uniprot: P29323, ProbeID: 5077−28_3)
Frequency
0
50
100
150
12
13
14
15
log2−scaled data
Ephrin type−B receptor 2

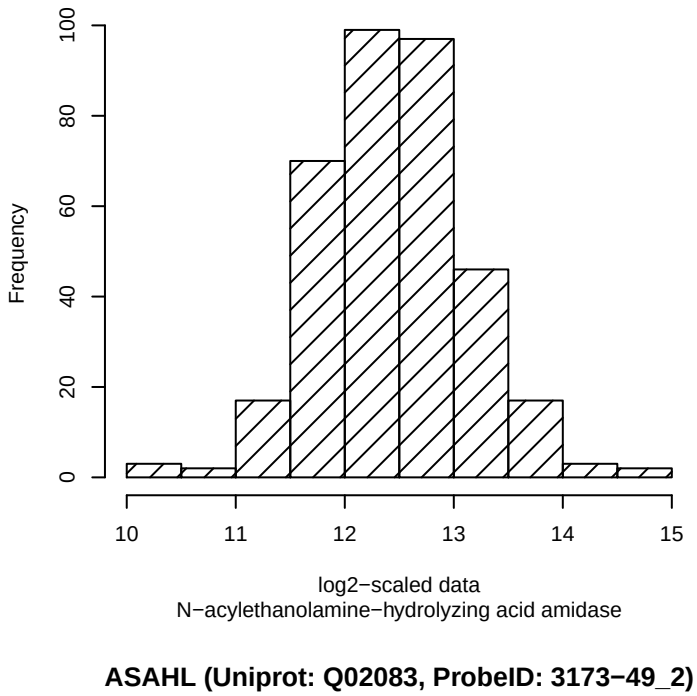

EPHB2 (Uniprot: P29323, ProbeID: 5077−28_3)
log2−scaled data
12.0
12.5
13.0
13.5
14.0
14.5
15.0
15.5
A/A (289)
A/C (57)
C/C (6)
rs61488959 (Chr1:23066767)
Locus 388 top sentinel (tags KORA rs6687487), p=9e−04, FC=−1.0767

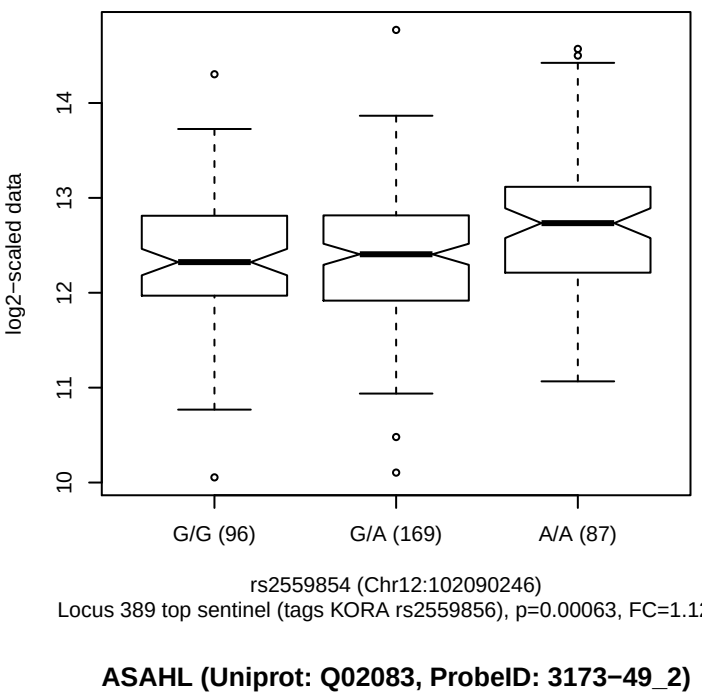

EPHB2 (Uniprot: P29323, ProbeID: 5077−28_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Ephrin type−B receptor 2

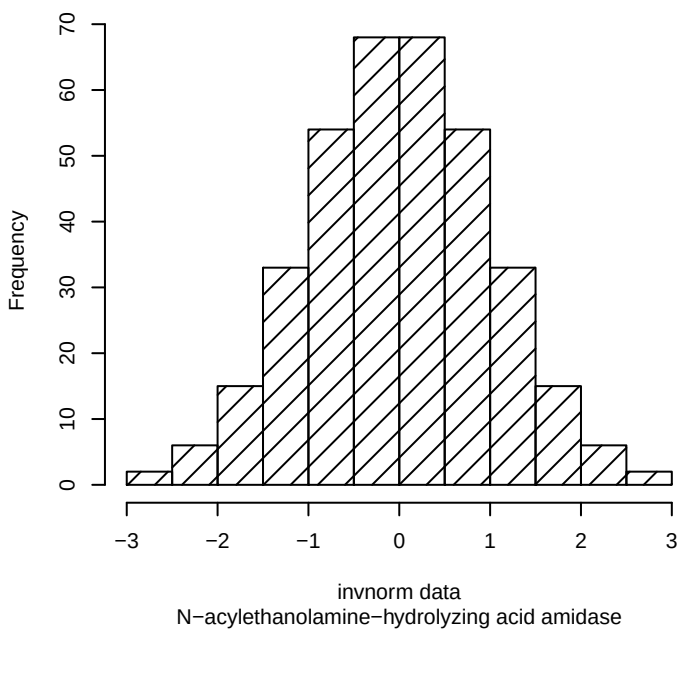

EPHB2 (Uniprot: P29323, ProbeID: 5077−28_3)
invnorm data
−2
−1
0
1
2
A/A (289)
A/C (57)
C/C (6)
rs61488959 (Chr1:23066767)
Locus 388 top sentinel (tags KORA rs6687487), p=0.00044

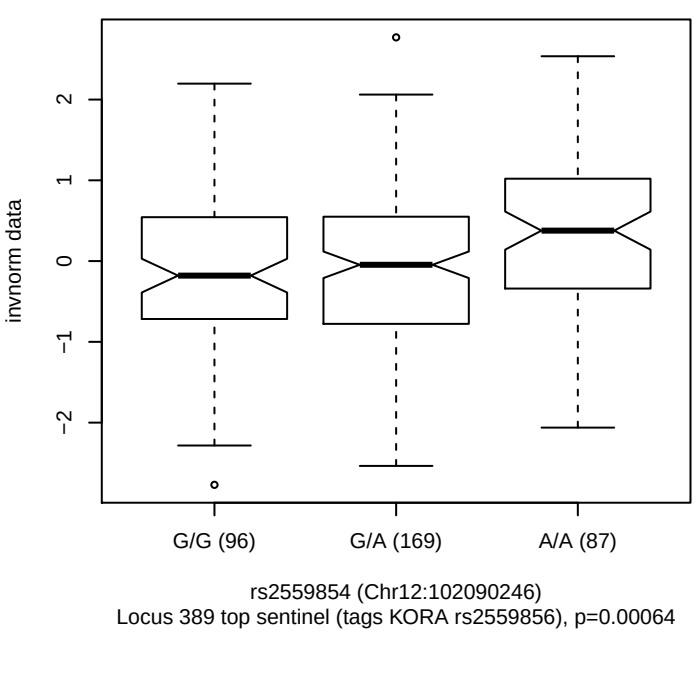

ASAHL (Uniprot: Q02083, ProbeID: 3173−49_2)
Frequency
0
20
40
60
80
100
120
0
5000
10000
15000
20000
25000
raw data
N−acylethanolamine−hydrolyzing acid amidase

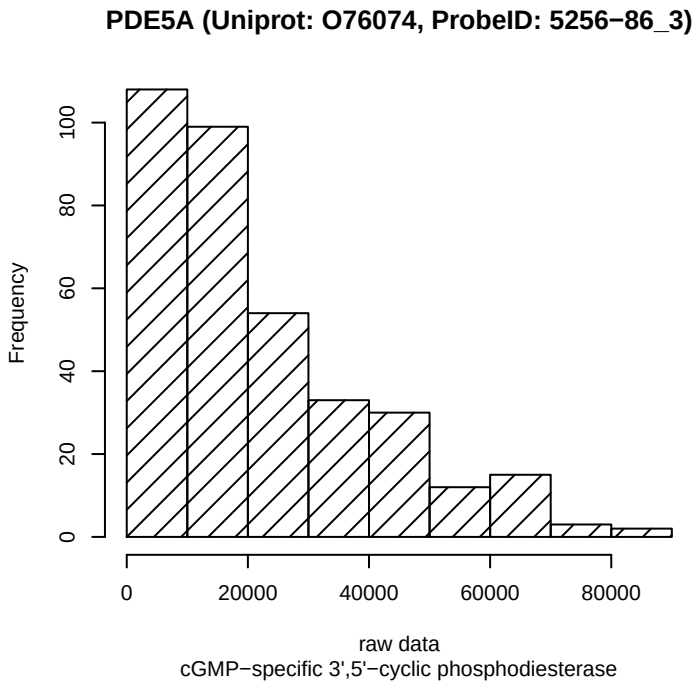

ASAHL (Uniprot: Q02083, ProbeID: 3173−49_2)
raw data
0
5000
10000
15000
20000
25000
G/G (96)
G/A (169)
A/A (87)
rs2559854 (Chr12:102090246)
Locus 389 top sentinel (tags KORA rs2559856), p=0.00097

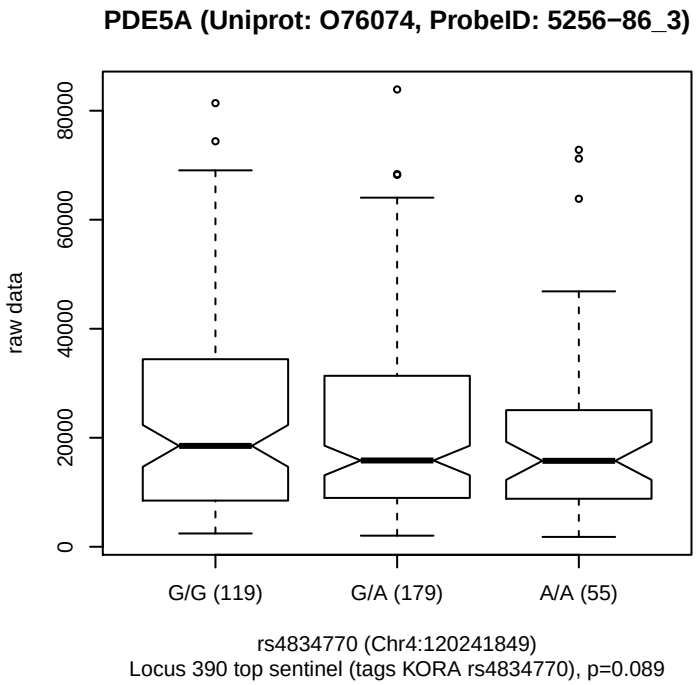

ASAHL (Uniprot: Q02083, ProbeID: 3173−49_2)
Frequency
0
20
40
60
80
100
10
11
12
13
14
15
log2−scaled data
N−acylethanolamine−hydrolyzing acid amidase

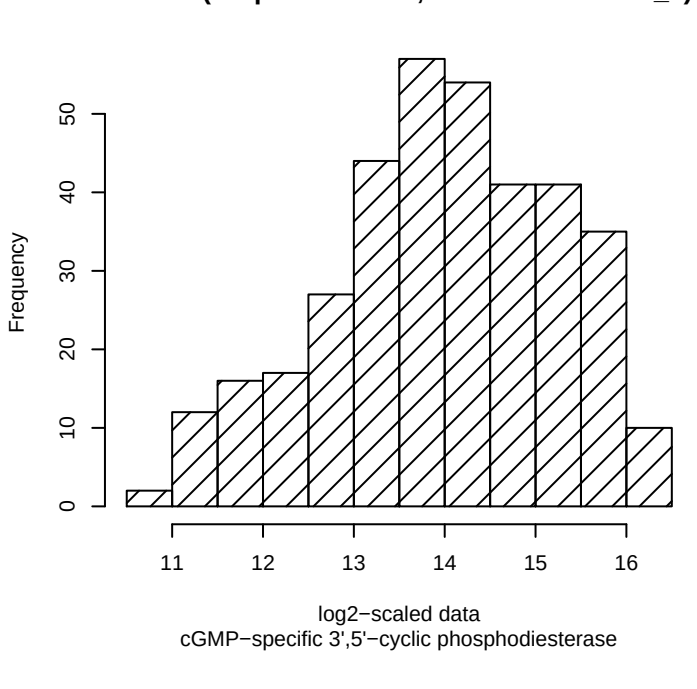

ASAHL (Uniprot: Q02083, ProbeID: 3173−49_2)
log2−scaled data
10
11
12
13
14
G/G (96)
G/A (169)
A/A (87)
rs2559854 (Chr12:102090246)
Locus 389 top sentinel (tags KORA rs2559856), p=0.00063, FC=1.1234

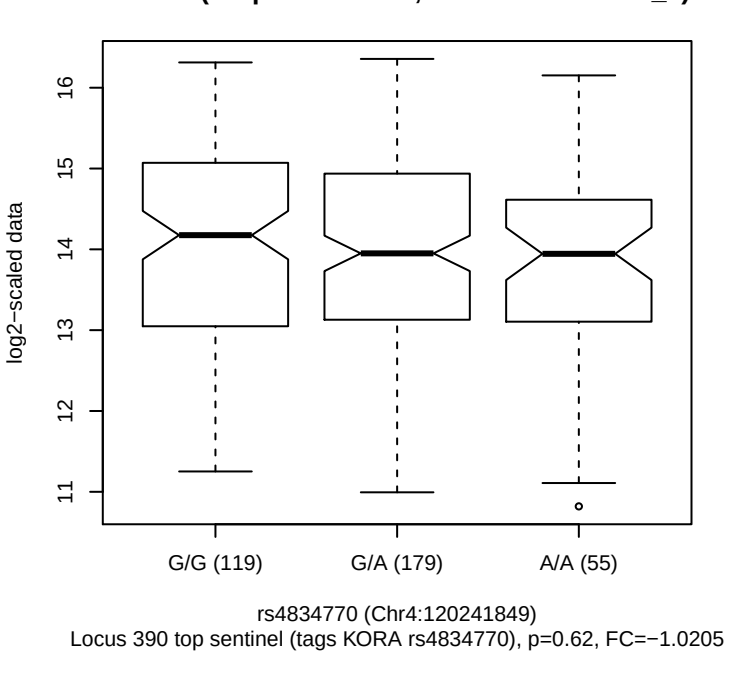

ASAHL (Uniprot: Q02083, ProbeID: 3173−49_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
N−acylethanolamine−hydrolyzing acid amidase

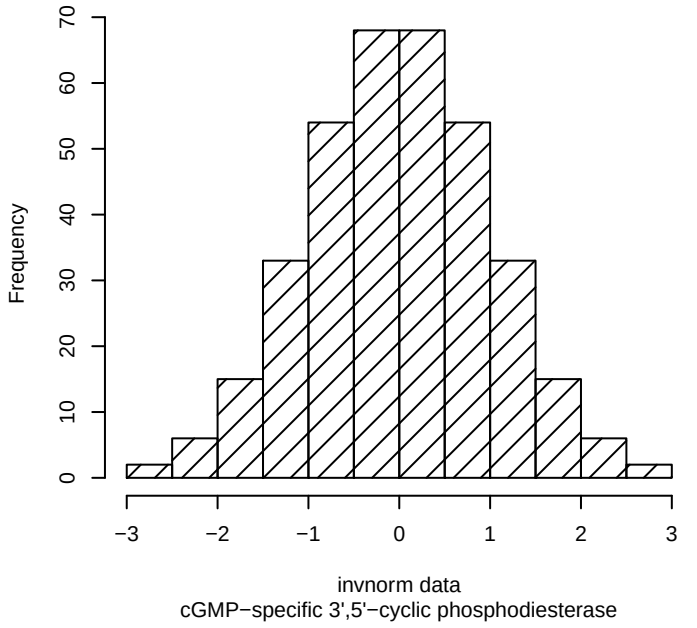

ASAHL (Uniprot: Q02083, ProbeID: 3173−49_2)
invnorm data
−2
−1
0
1
2
G/G (96)
G/A (169)
A/A (87)
rs2559854 (Chr12:102090246)
Locus 389 top sentinel (tags KORA rs2559856), p=0.00064

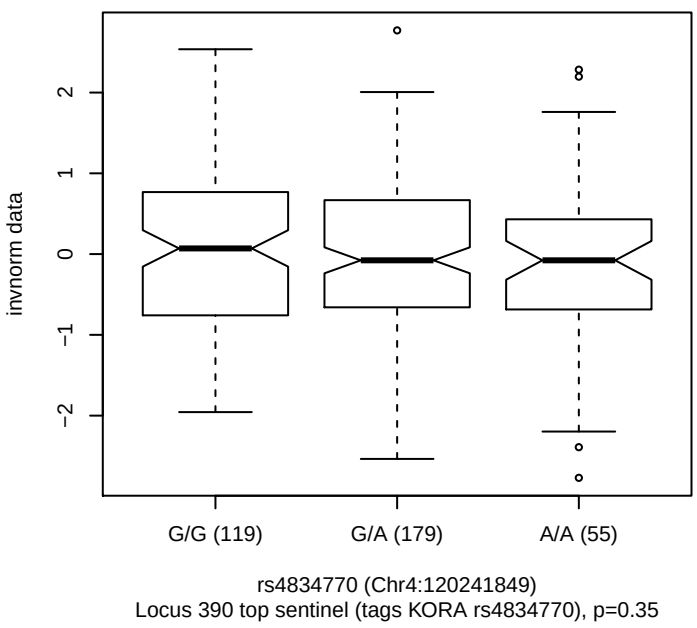

PDE5A (Uniprot: O76074, ProbeID: 5256−86_3)
Frequency
0
20
40
60
80
100
0
20000
40000
60000
80000
raw data
cGMP−specific 3',5'−cyclic phosphodiesterase


PDE5A (Uniprot: O76074, ProbeID: 5256−86_3)
raw data
0
20000
40000
60000
80000
G/G (119)
G/A (179)
A/A (55)
rs4834770 (Chr4:120241849)
Locus 390 top sentinel (tags KORA rs4834770), p=0.089

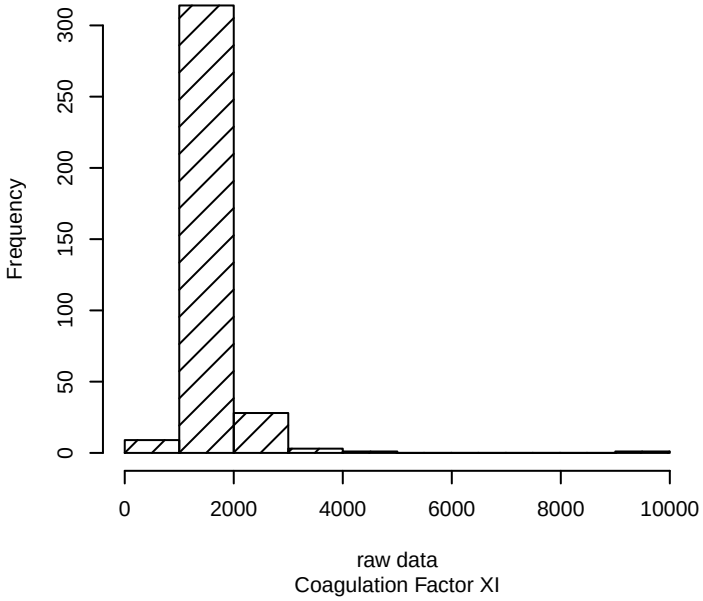

PDE5A (Uniprot: O76074, ProbeID: 5256−86_3)
Frequency
0
10
20
30
40
50
11
12
13
14
15
16
log2−scaled data
cGMP−specific 3',5'−cyclic phosphodiesterase


PDE5A (Uniprot: O76074, ProbeID: 5256−86_3)
log2−scaled data
11
12
13
14
15
16
G/G (119)
G/A (179)
A/A (55)
rs4834770 (Chr4:120241849)
Locus 390 top sentinel (tags KORA rs4834770), p=0.62, FC=−1.0205

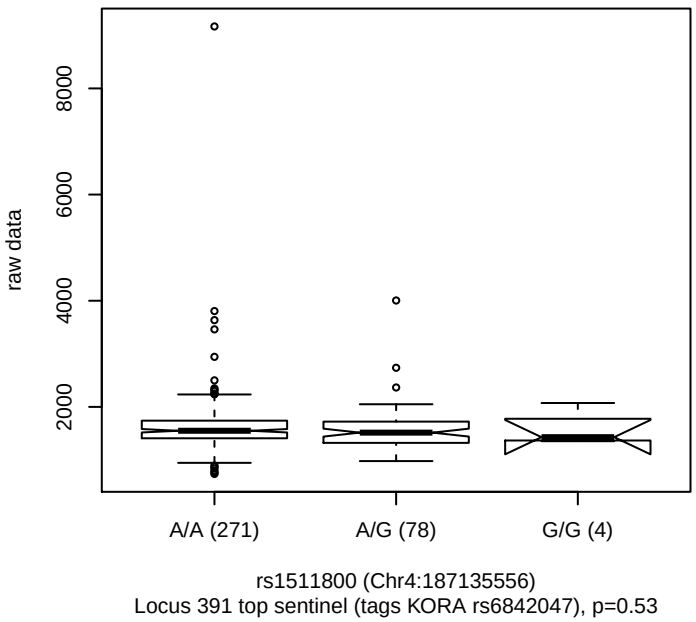

PDE5A (Uniprot: O76074, ProbeID: 5256−86_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
cGMP−specific 3',5'−cyclic phosphodiesterase


PDE5A (Uniprot: O76074, ProbeID: 5256−86_3)
invnorm data
−2
−1
0
1
2
G/G (119)
G/A (179)
A/A (55)
rs4834770 (Chr4:120241849)
Locus 390 top sentinel (tags KORA rs4834770), p=0.35

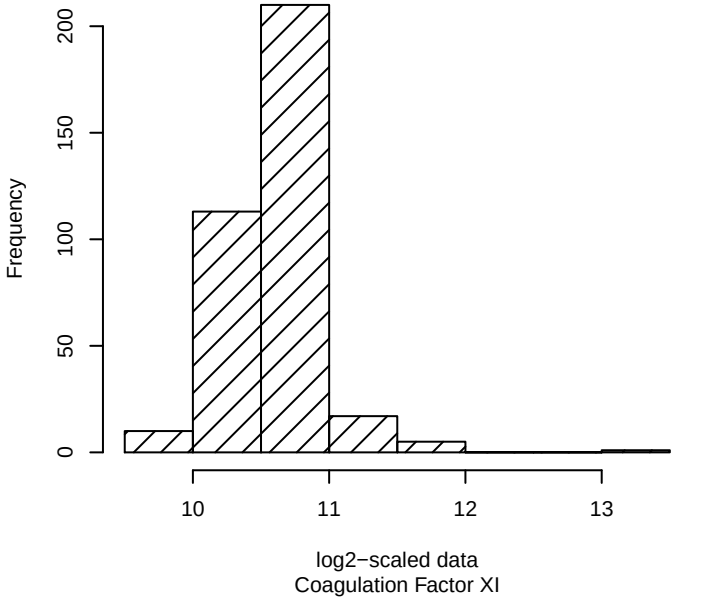
Coagulation Factor XI (Uniprot: P03951, ProbeID: 2190−55



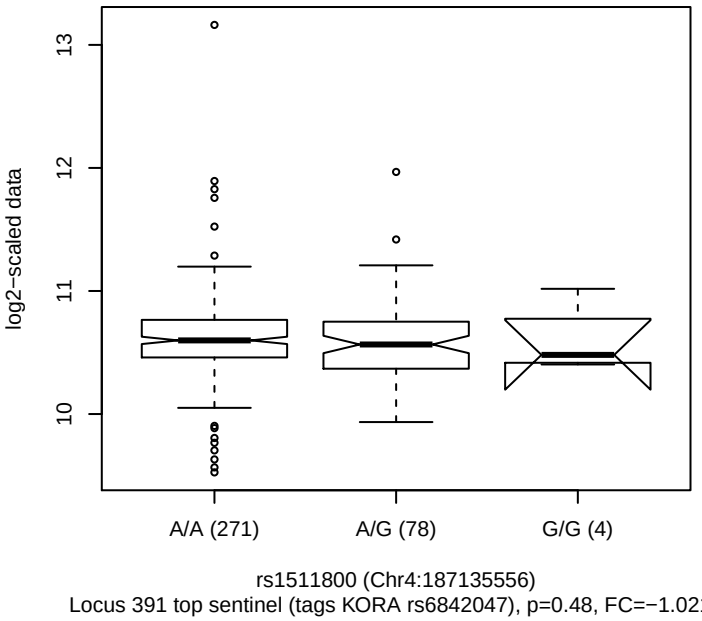
Coagulation Factor XI (Uniprot: P03951, ProbeID: 2190−55



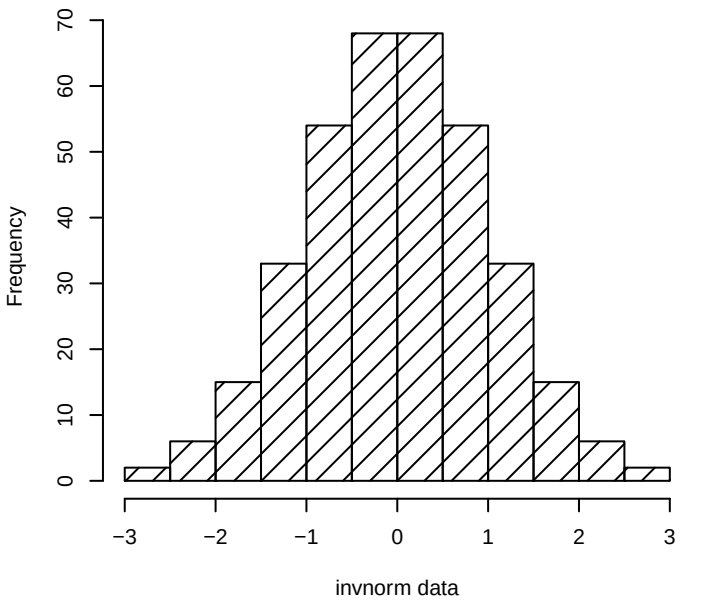
Coagulation Factor XI (Uniprot: P03951, ProbeID: 2190−55



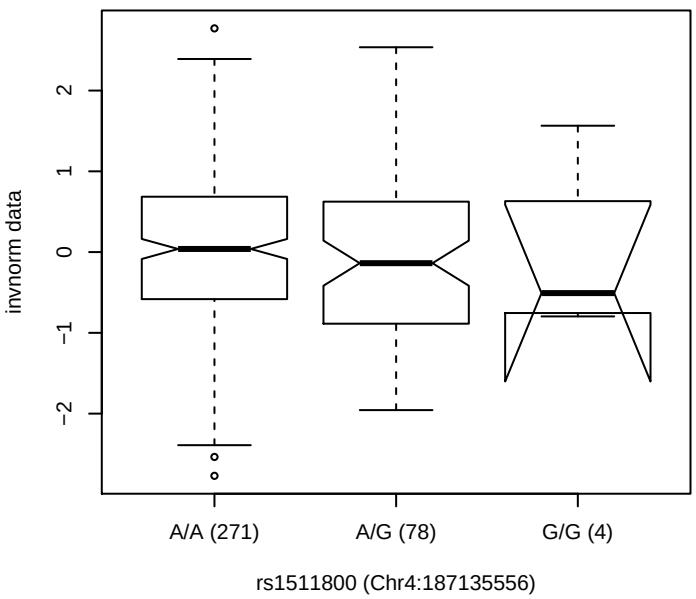
Coagulation Factor XI (Uniprot: P03951, ProbeID: 2190−55

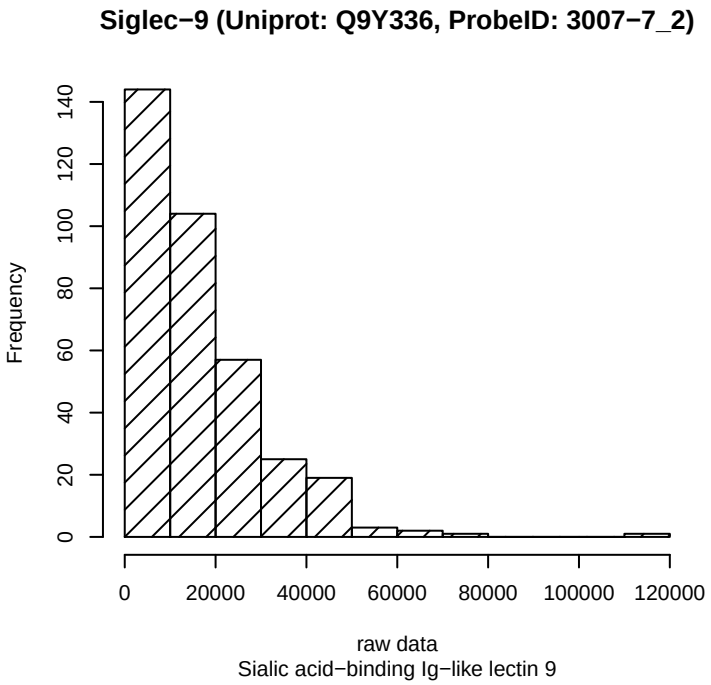


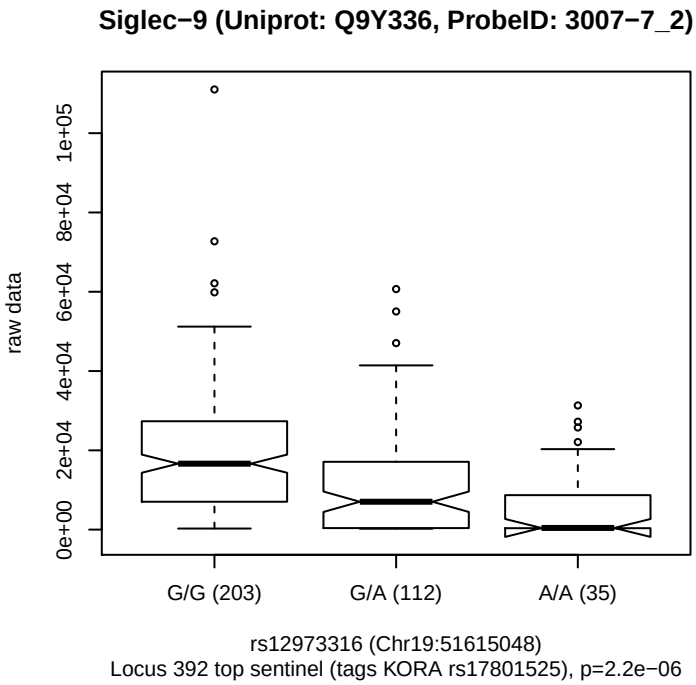
Coagulation Factor XI (Uniprot: P03951, ProbeID: 2190−55

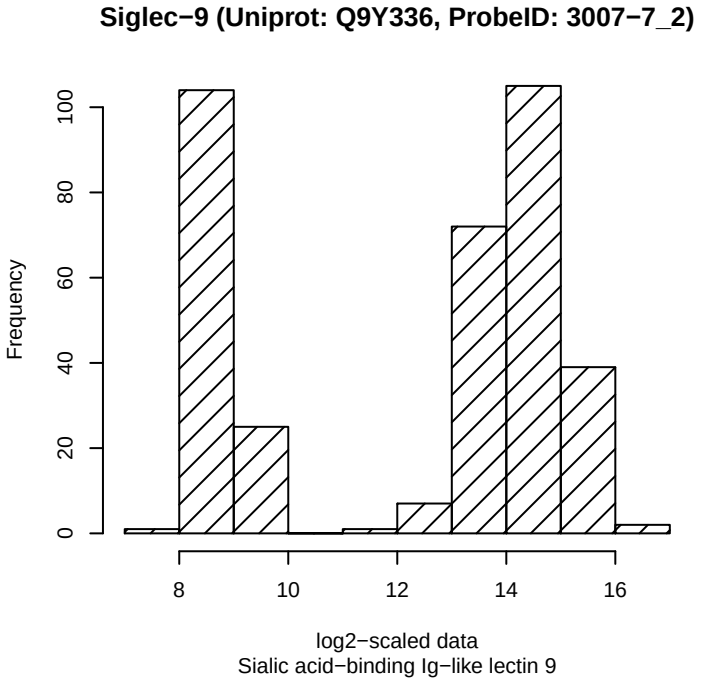


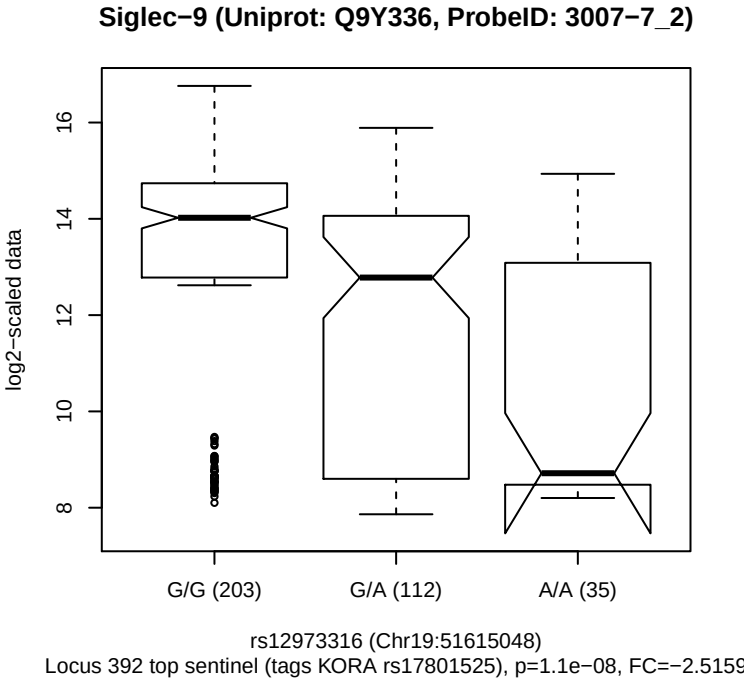
Coagulation Factor XI (Uniprot: P03951, ProbeID: 2190−55

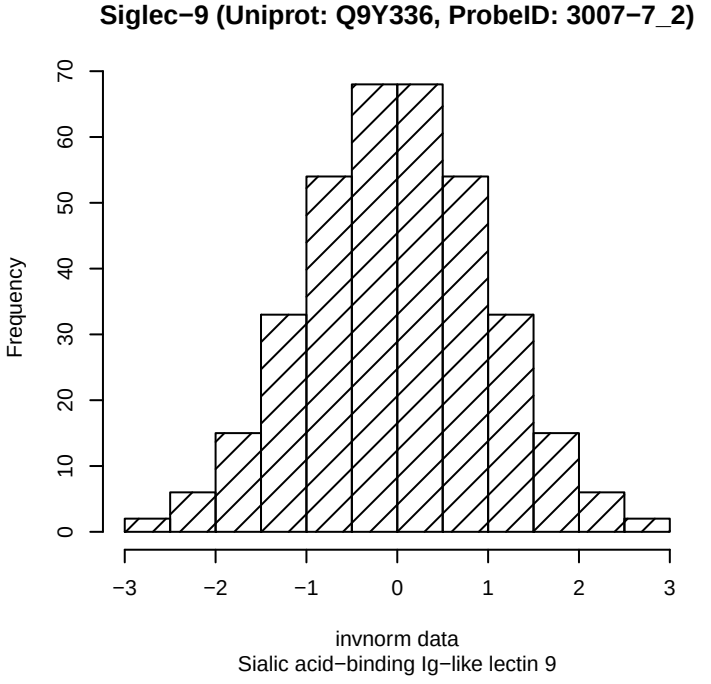


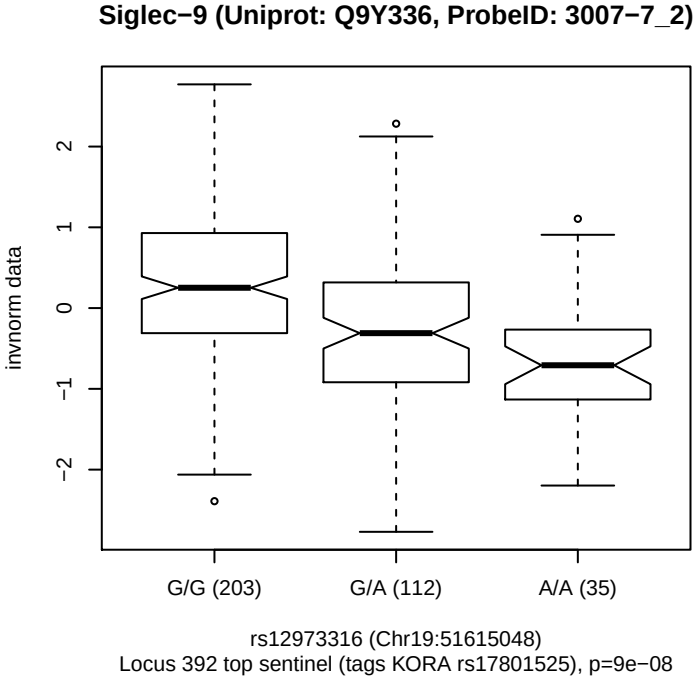

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
Frequency
0
20
40
60
80
100
120
140
0
20000
40000
60000
80000
100000
120000
raw data
Sialic acid−binding Ig−like lectin 9

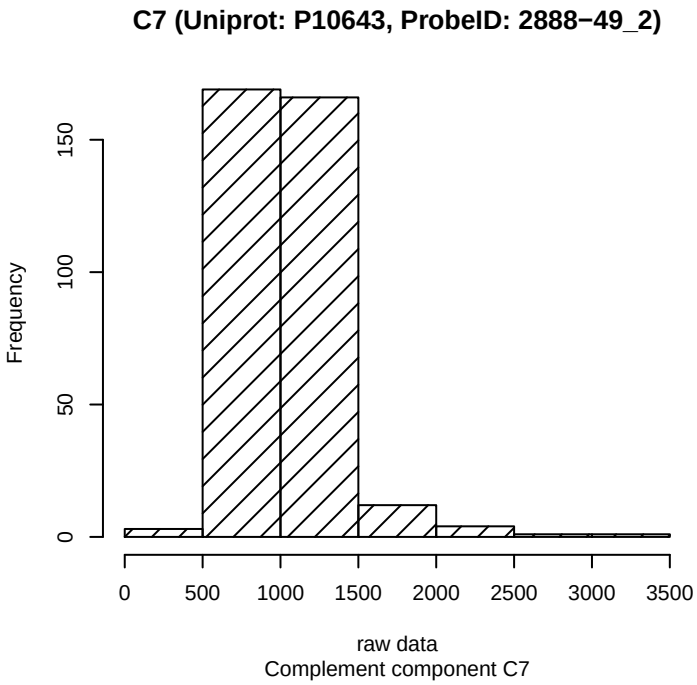

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
raw data
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
G/G (203)
G/A (112)
A/A (35)
rs12973316 (Chr19:51615048)
Locus 392 top sentinel (tags KORA rs17801525), p=2.2e−06

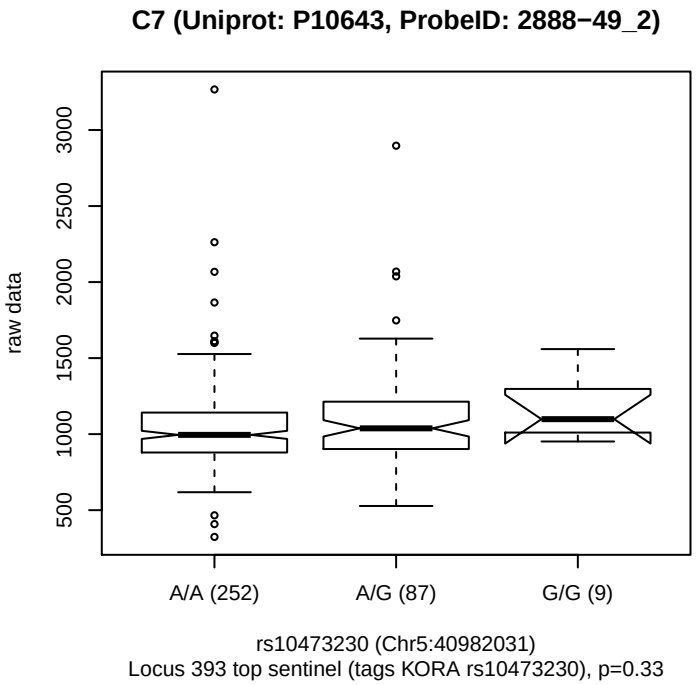

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
Frequency
0
20
40
60
80
100
8
10
12
14
16
log2−scaled data
Sialic acid−binding Ig−like lectin 9

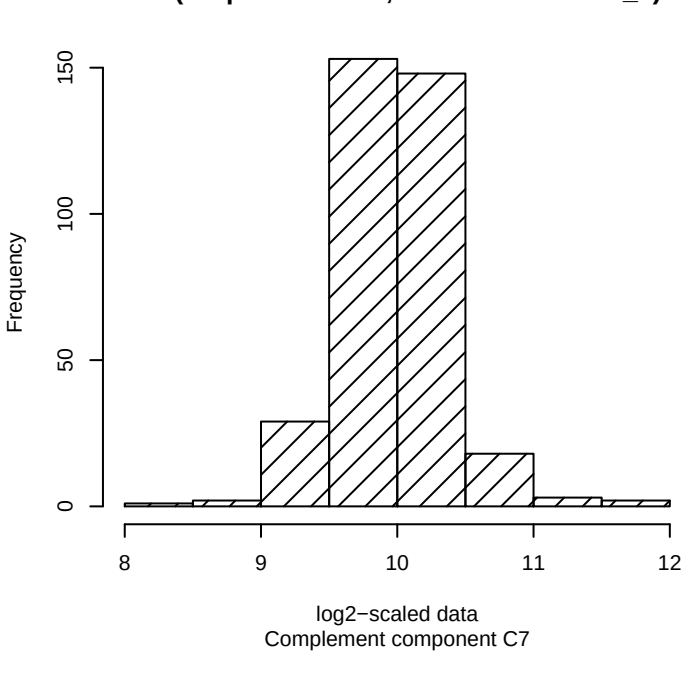

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
log2−scaled data
8
10
12
14
16
G/G (203)
G/A (112)
A/A (35)
rs12973316 (Chr19:51615048)
Locus 392 top sentinel (tags KORA rs17801525), p=1.1e−08, FC=−2.5159

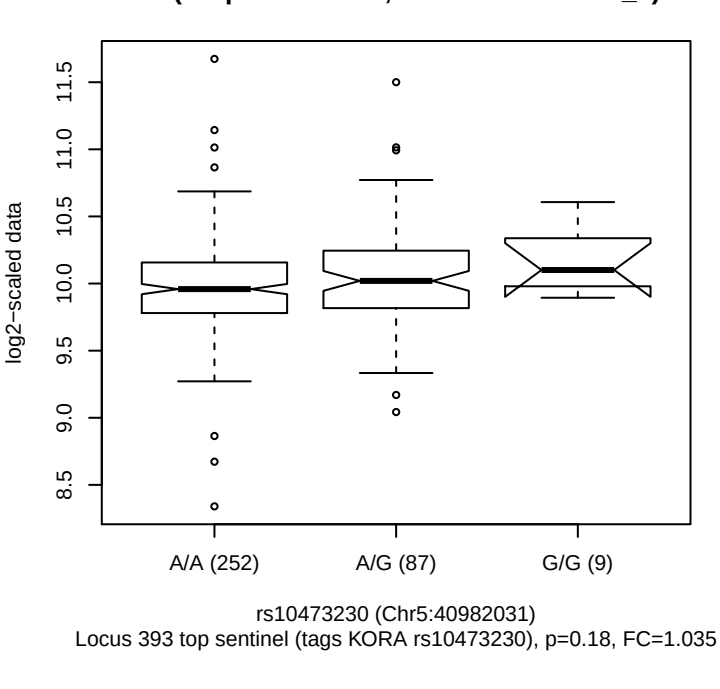

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Sialic acid−binding Ig−like lectin 9

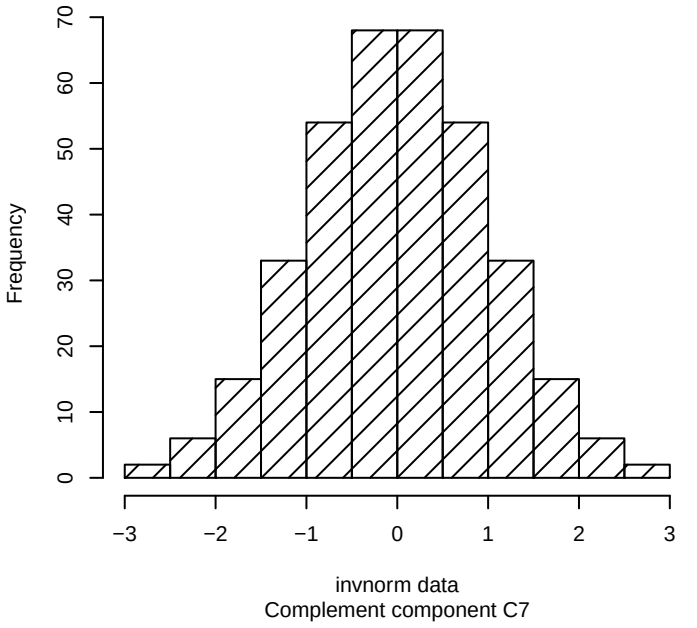

Siglec−9 (Uniprot: Q9Y336, ProbeID: 3007−7_2)
invnorm data
−2
−1
0
1
2
G/G (203)
G/A (112)
A/A (35)
rs12973316 (Chr19:51615048)
Locus 392 top sentinel (tags KORA rs17801525), p=9e−08

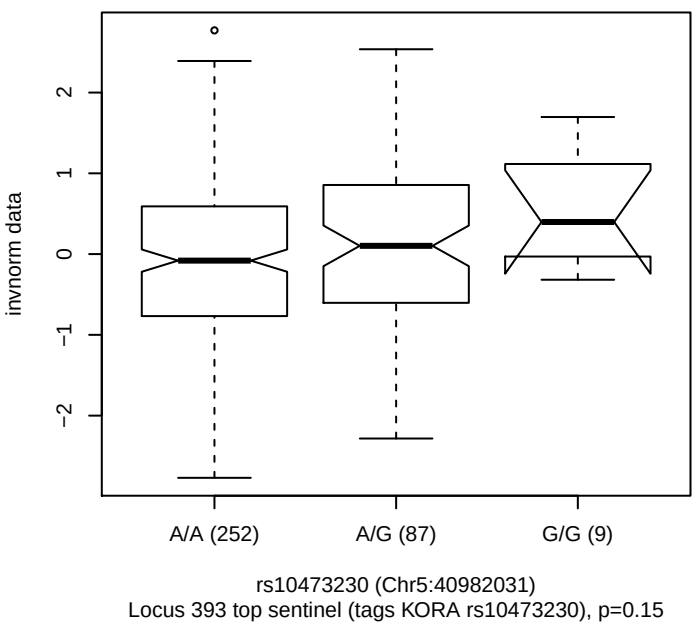

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
Frequency
0
50
100
150
0
500
1000
1500
2000
2500
3000
3500
raw data
Complement component C7

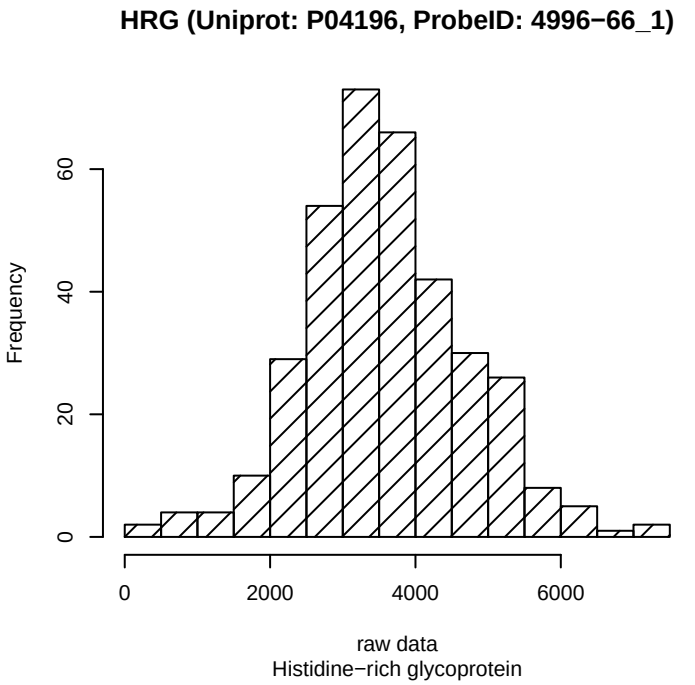

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
raw data
500
1000
1500
2000
2500
3000
A/A (252)
A/G (87)
G/G (9)
rs10473230 (Chr5:40982031)
Locus 393 top sentinel (tags KORA rs10473230), p=0.33

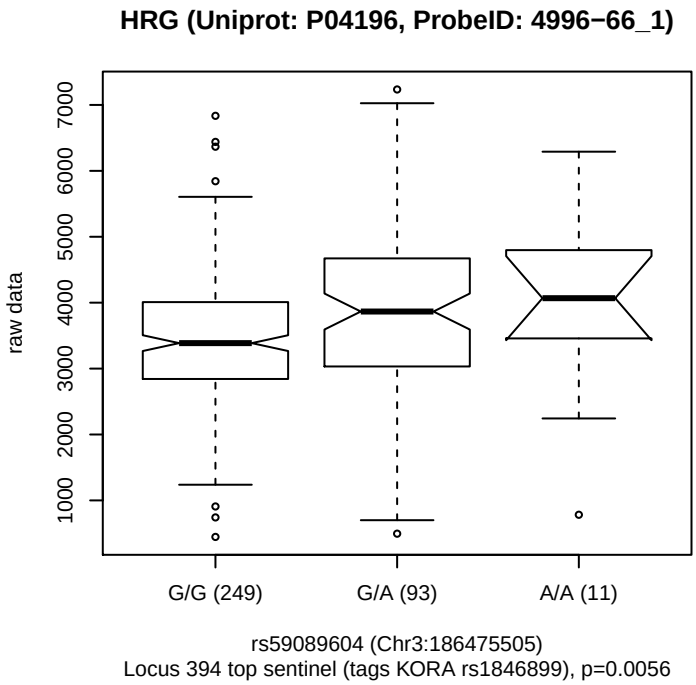

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
Frequency
0
50
100
150
8
9
10
11
12
log2−scaled data
Complement component C7

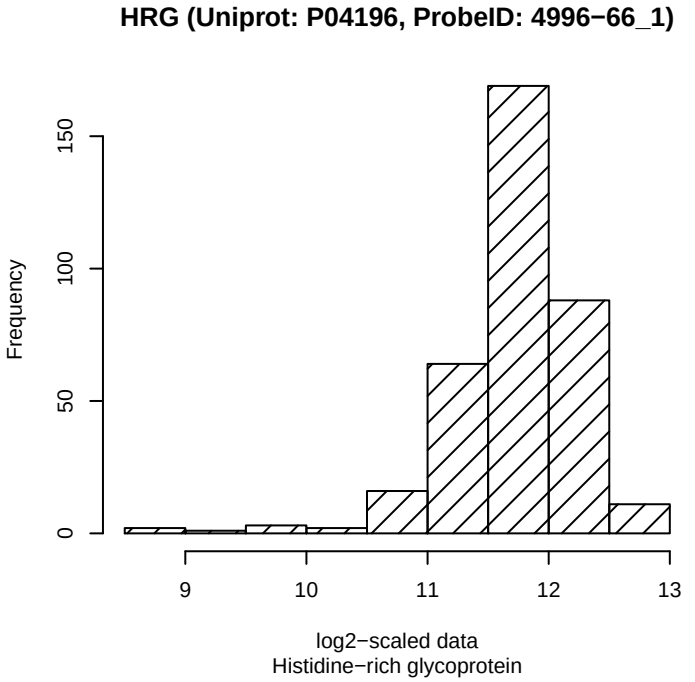

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
log2−scaled data
8.5
9.0
9.5
10.0
10.5
11.0
11.5
A/A (252)
A/G (87)
G/G (9)
rs10473230 (Chr5:40982031)
Locus 393 top sentinel (tags KORA rs10473230), p=0.18, FC=1.035

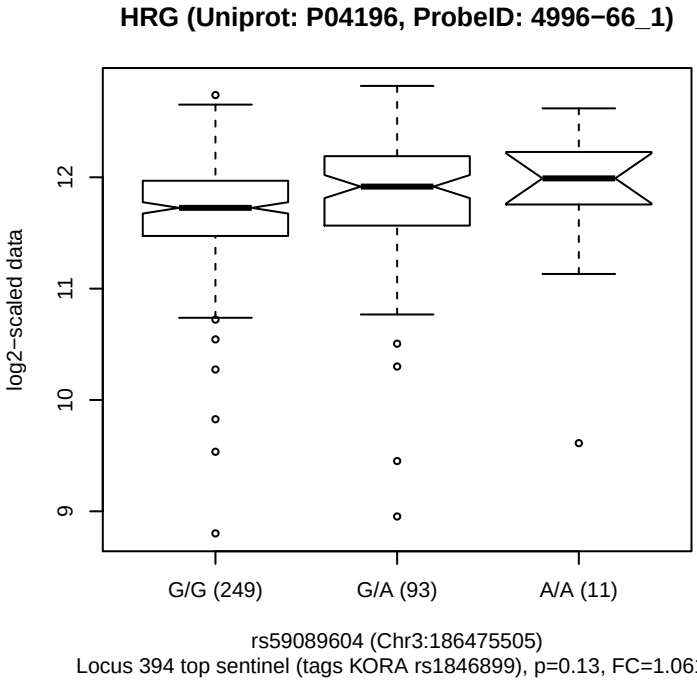

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Complement component C7

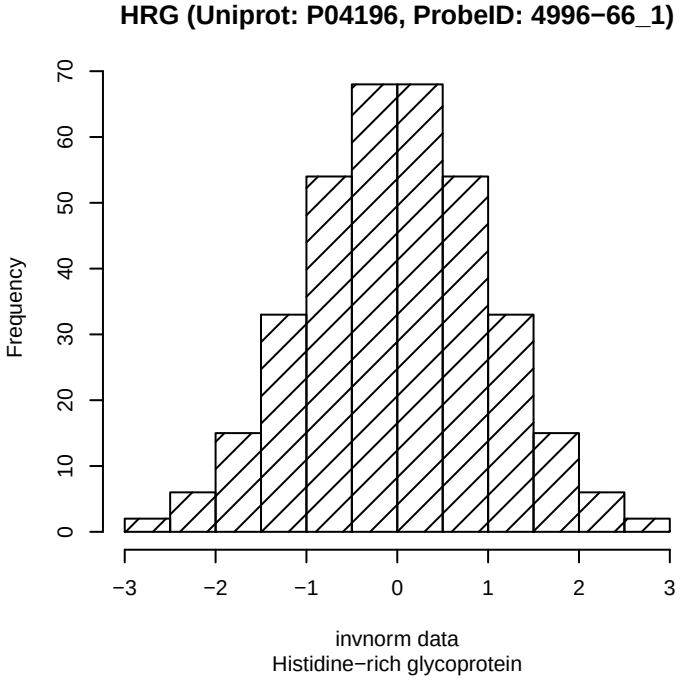

C7 (Uniprot: P10643, ProbeID: 2888−49_2)
invnorm data
−2
−1
0
1
2
A/A (252)
A/G (87)
G/G (9)
rs10473230 (Chr5:40982031)
Locus 393 top sentinel (tags KORA rs10473230), p=0.15

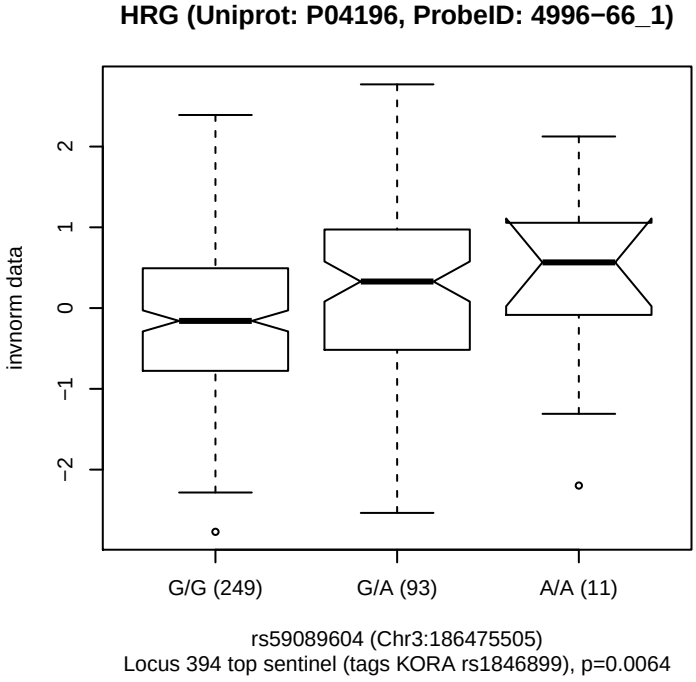

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
Frequency
0
20
40
60
0
2000
4000
6000
raw data
Histidine−rich glycoprotein

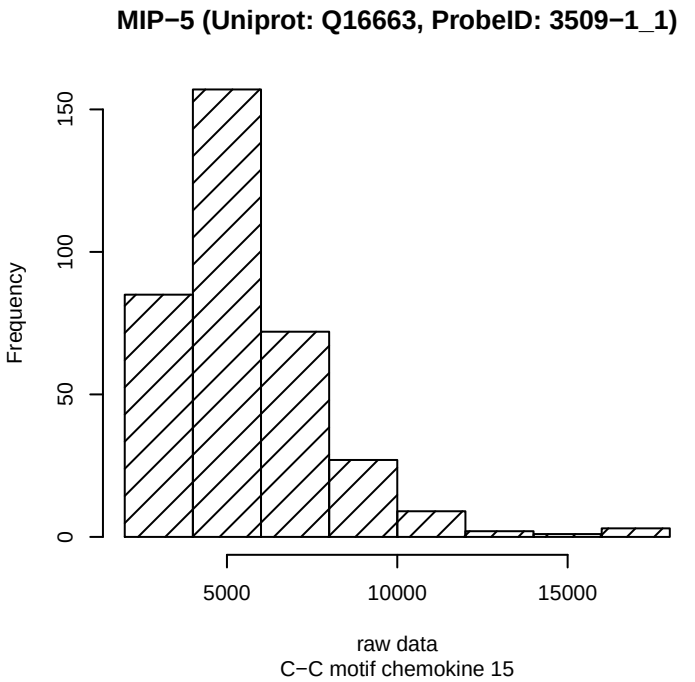

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
raw data
1000
2000
3000
4000
5000
6000
7000
G/G (249)
G/A (93)
A/A (11)
rs59089604 (Chr3:186475505)
Locus 394 top sentinel (tags KORA rs1846899), p=0.0056

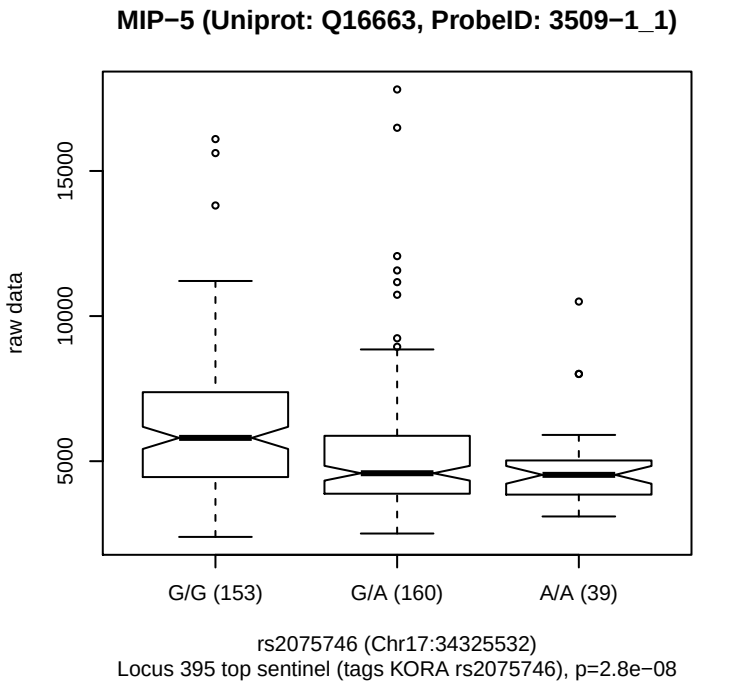

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
Frequency
0
50
100
150
9
10
11
12
13
log2−scaled data
Histidine−rich glycoprotein

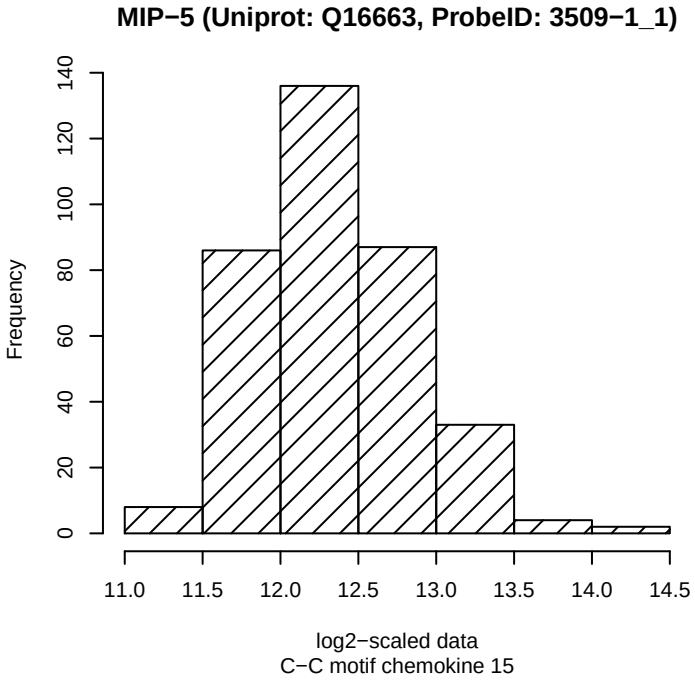

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
log2−scaled data
9
10
11
12
G/G (249)
G/A (93)
A/A (11)
rs59089604 (Chr3:186475505)
Locus 394 top sentinel (tags KORA rs1846899), p=0.13, FC=1.0619

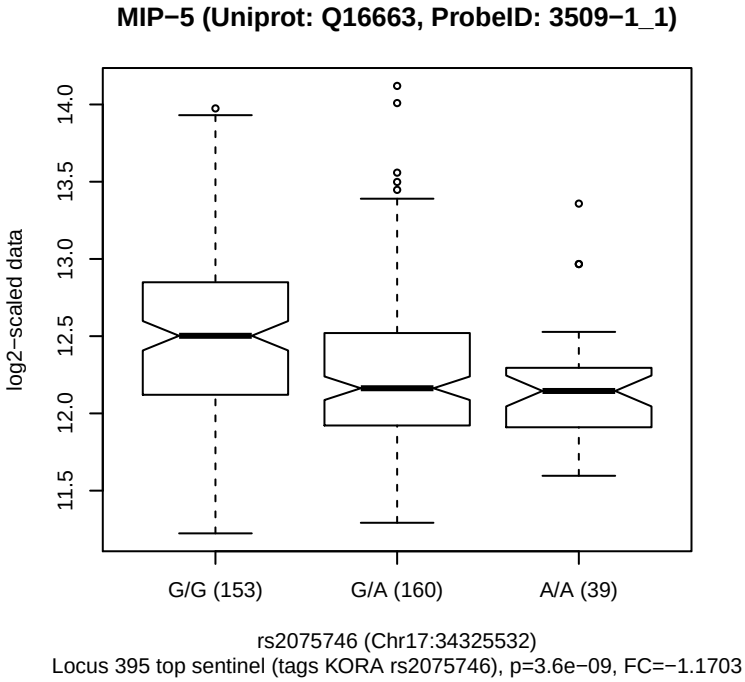

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Histidine−rich glycoprotein

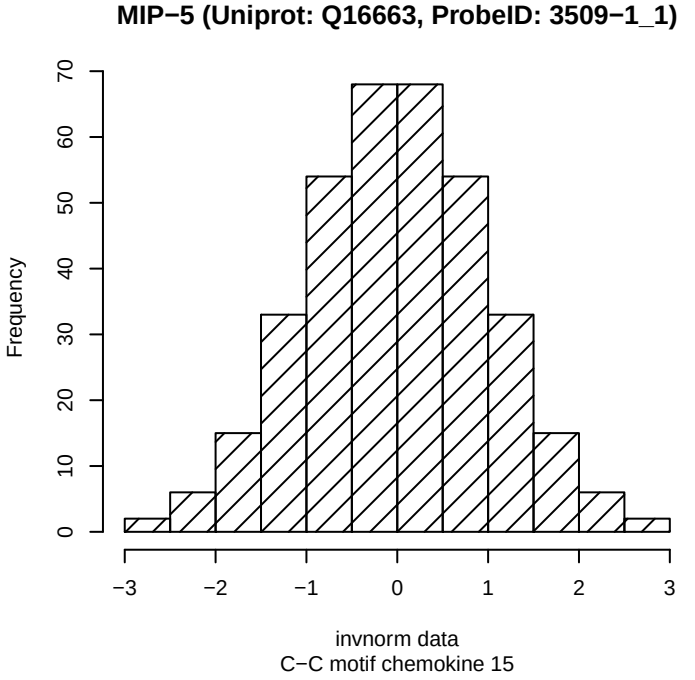

HRG (Uniprot: P04196, ProbeID: 4996−66_1)
invnorm data
−2
−1
0
1
2
G/G (249)
G/A (93)
A/A (11)
rs59089604 (Chr3:186475505)
Locus 394 top sentinel (tags KORA rs1846899), p=0.0064

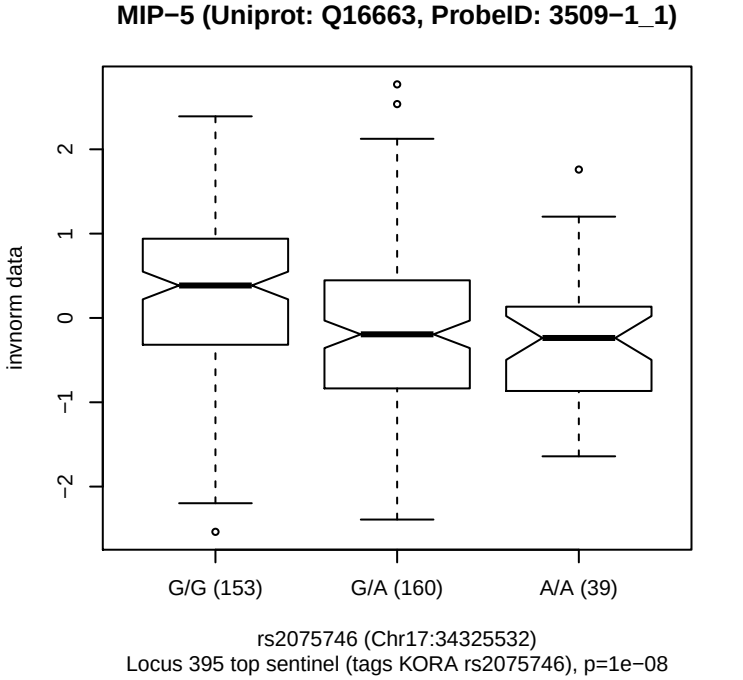

MIP−5 (Uniprot: Q16663, ProbeID: 3509−1_1)
Frequency
0
50
100
150
5000
10000
15000
raw data
C−C motif chemokine 15

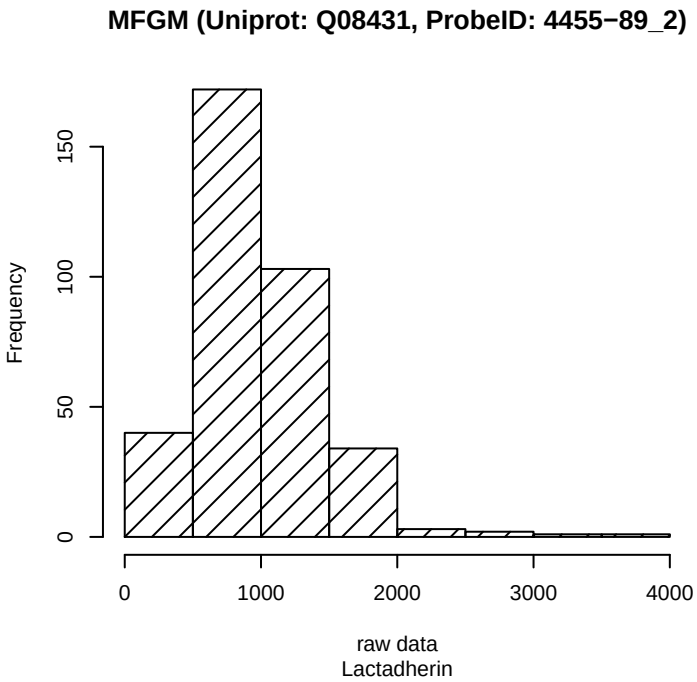

MIP−5 (Uniprot: Q16663, ProbeID: 3509−1_1)
raw data
5000
10000
15000
G/G (153)
G/A (160)
A/A (39)
rs2075746 (Chr17:34325532)
Locus 395 top sentinel (tags KORA rs2075746), p=2.8e−08

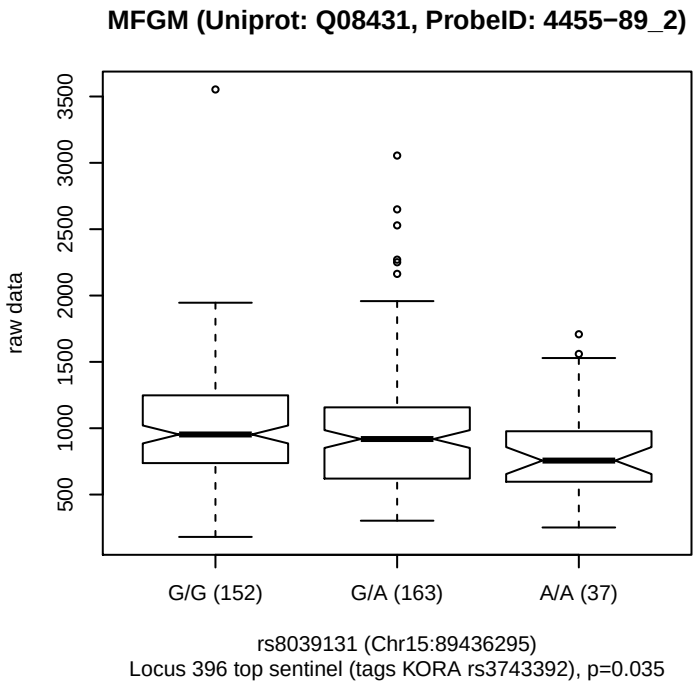

MIP−5 (Uniprot: Q16663, ProbeID: 3509−1_1)
Frequency
0
20
40
60
80
100
120
140
11.0
11.5
12.0
12.5
13.0
13.5
14.0
14.5
log2−scaled data
C−C motif chemokine 15

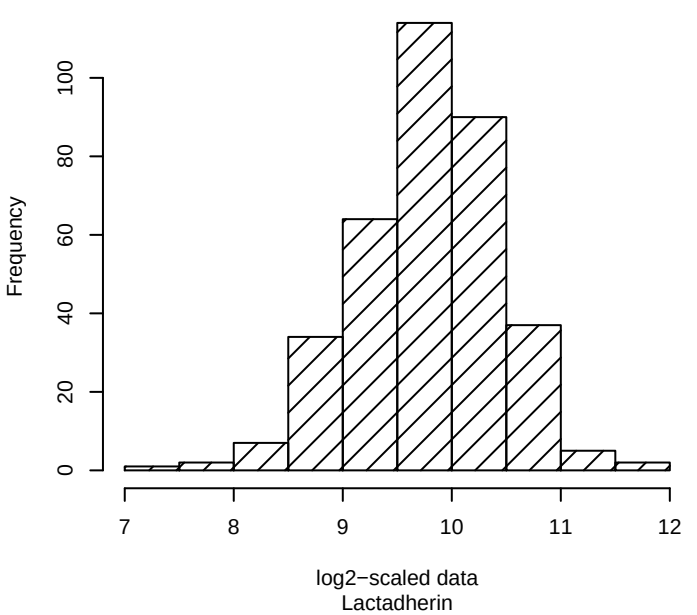

MIP−5 (Uniprot: Q16663, ProbeID: 3509−1_1)
log2−scaled data
11.5
12.0
12.5
13.0
13.5
14.0
G/G (153)
G/A (160)
A/A (39)
rs2075746 (Chr17:34325532)
Locus 395 top sentinel (tags KORA rs2075746), p=3.6e−09, FC=−1.1703

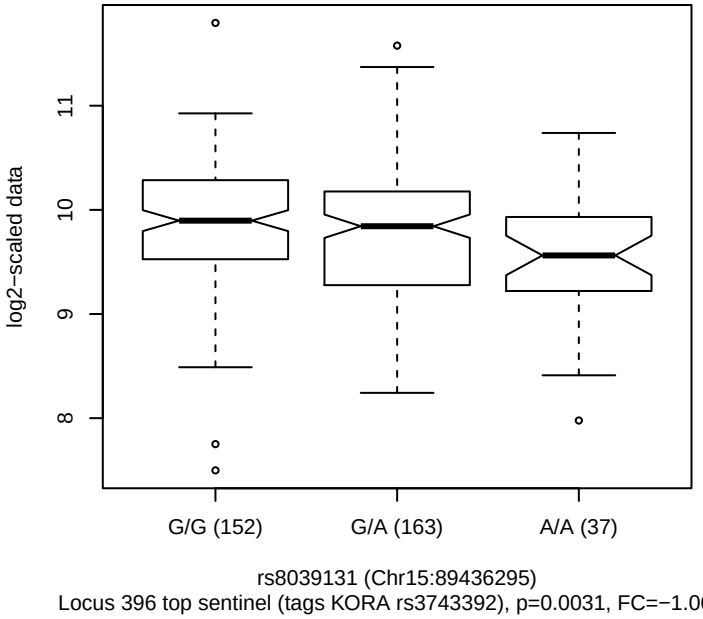

MIP−5 (Uniprot: Q16663, ProbeID: 3509−1_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 15

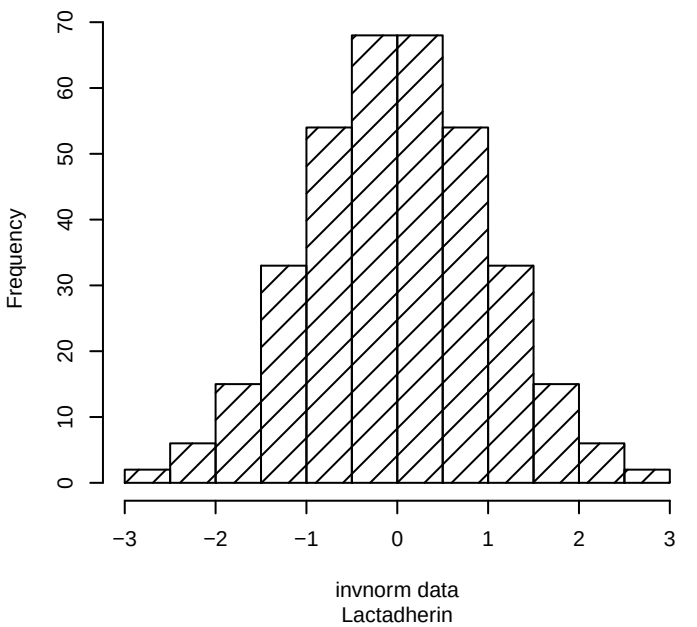

MIP−5 (Uniprot: Q16663, ProbeID: 3509−1_1)
invnorm data
−2
−1
0
1
2
G/G (153)
G/A (160)
A/A (39)
rs2075746 (Chr17:34325532)
Locus 395 top sentinel (tags KORA rs2075746), p=1e−08

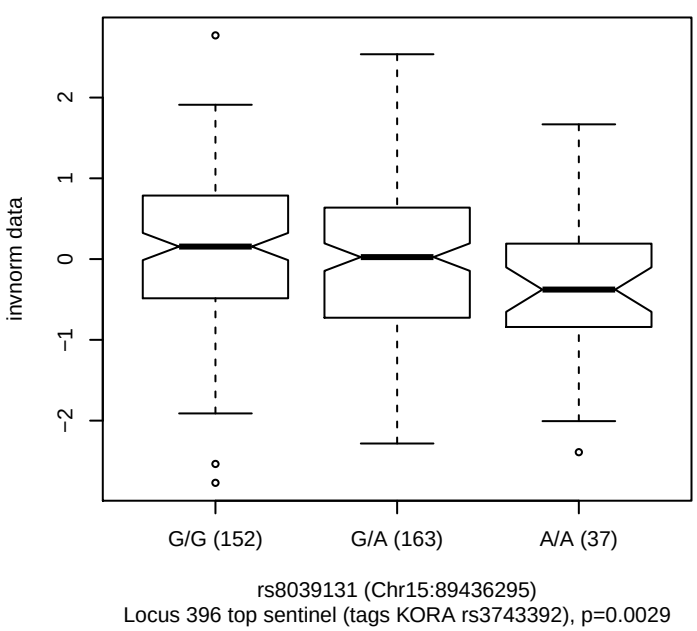

MFGM (Uniprot: Q08431, ProbeID: 4455−89_2)
Frequency
0
50
100
150
0
1000
2000
3000
4000
raw data
Lactadherin

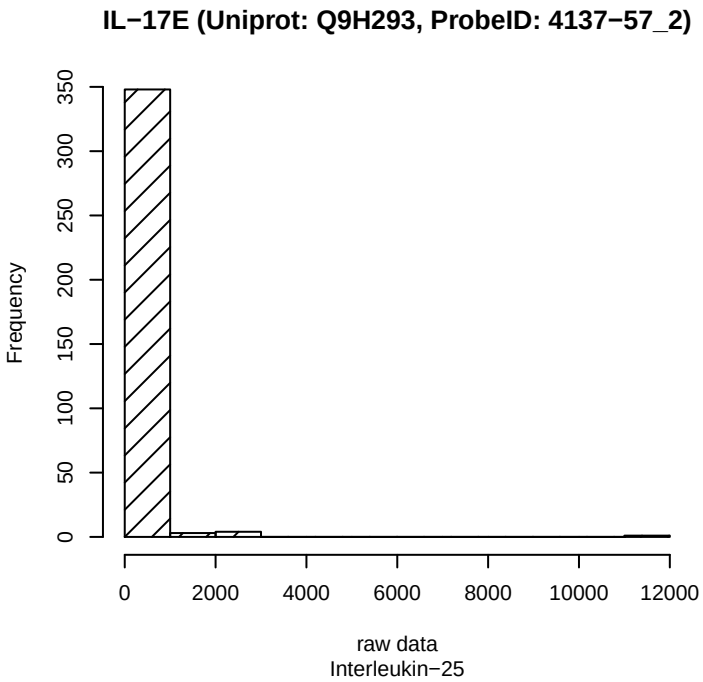

MFGM (Uniprot: Q08431, ProbeID: 4455−89_2)
raw data
500
1000
1500
2000
2500
3000
3500
G/G (152)
G/A (163)
A/A (37)
rs8039131 (Chr15:89436295)
Locus 396 top sentinel (tags KORA rs3743392), p=0.035

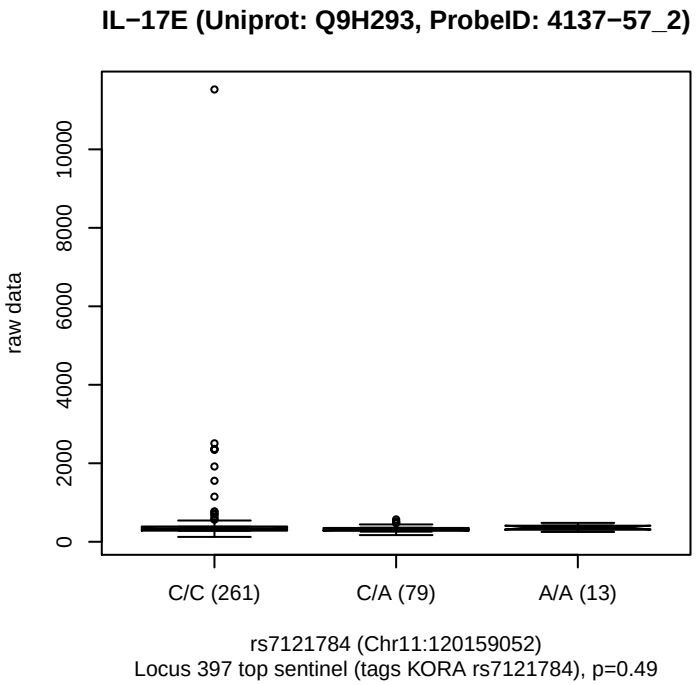

MFGM (Uniprot: Q08431, ProbeID: 4455−89_2)
Frequency
0
20
40
60
80
100
7
8
9
10
11
12
log2−scaled data
Lactadherin

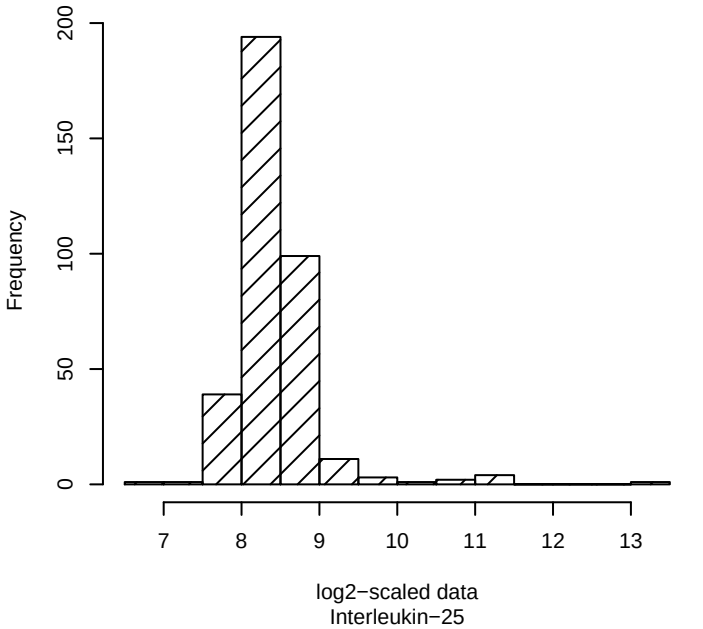

MFGM (Uniprot: Q08431, ProbeID: 4455−89_2)
log2−scaled data
8
9
10
11
G/G (152)
G/A (163)
A/A (37)
rs8039131 (Chr15:89436295)
Locus 396 top sentinel (tags KORA rs3743392), p=0.0031, FC=−1.0669

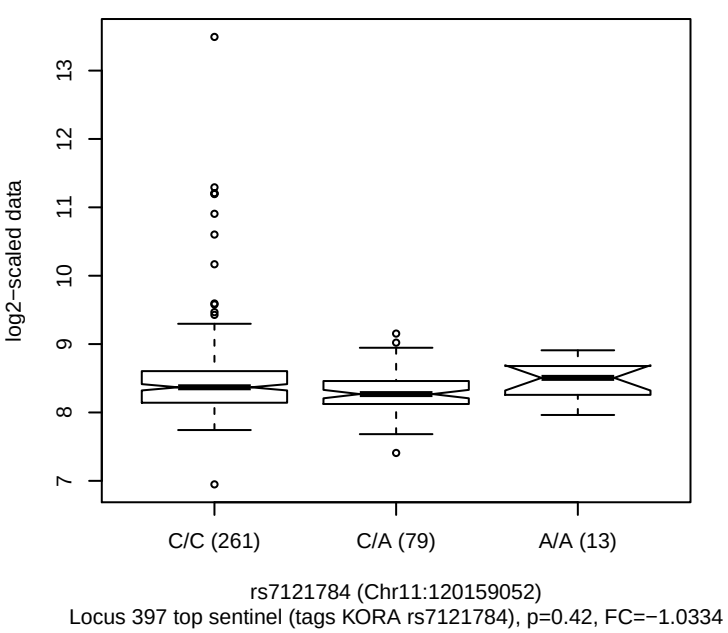

MFGM (Uniprot: Q08431, ProbeID: 4455−89_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Lactadherin

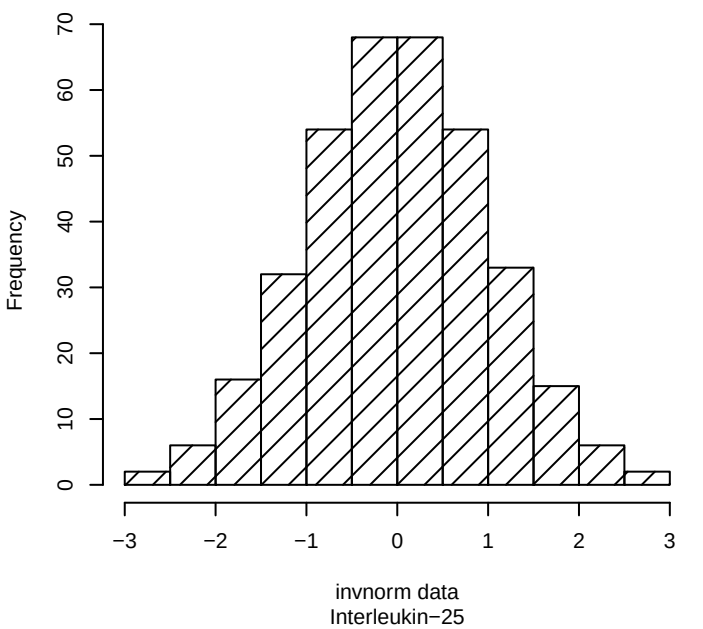

MFGM (Uniprot: Q08431, ProbeID: 4455−89_2)
invnorm data
−2
−1
0
1
2
G/G (152)
G/A (163)
A/A (37)
rs8039131 (Chr15:89436295)
Locus 396 top sentinel (tags KORA rs3743392), p=0.0029

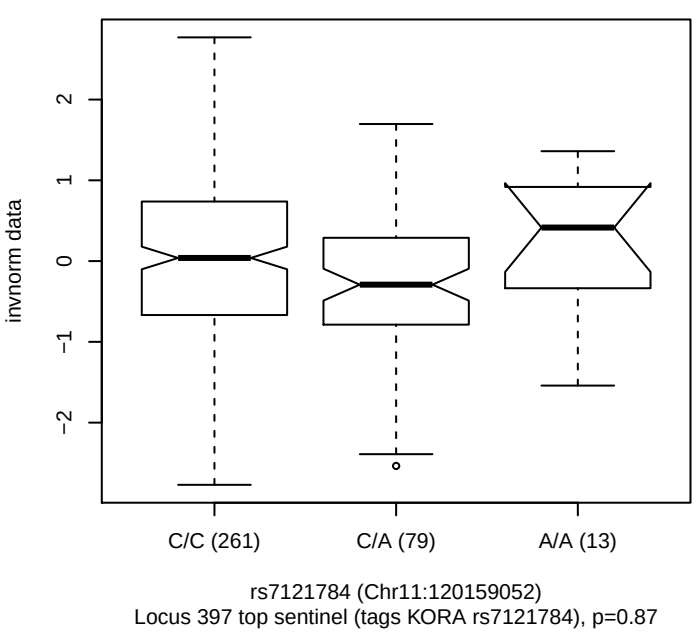

IL−17E (Uniprot: Q9H293, ProbeID: 4137−57_2)
Frequency
0
50
100
150
200
250
300
350
0
2000
4000
6000
8000
10000
12000
raw data
Interleukin−25

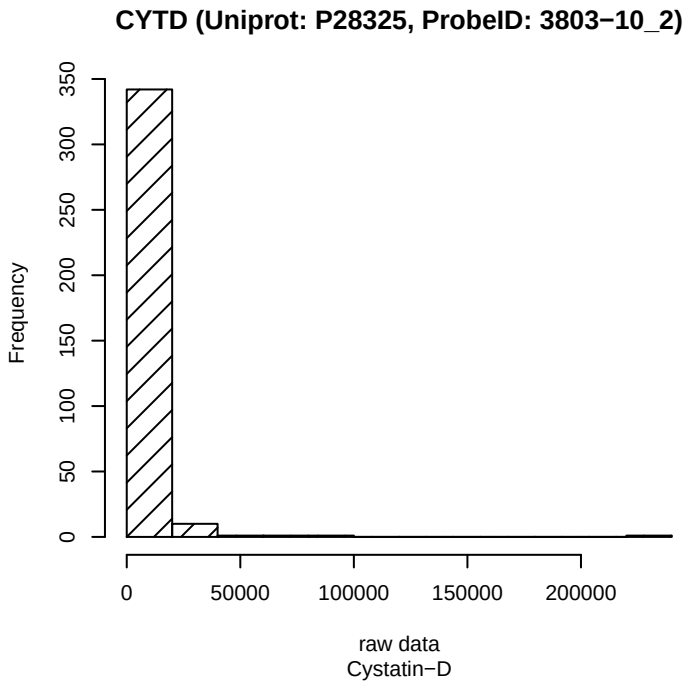

IL−17E (Uniprot: Q9H293, ProbeID: 4137−57_2)
raw data
0
2000
4000
6000
8000
10000
C/C (261)
C/A (79)
A/A (13)
rs7121784 (Chr11:120159052)
Locus 397 top sentinel (tags KORA rs7121784), p=0.49

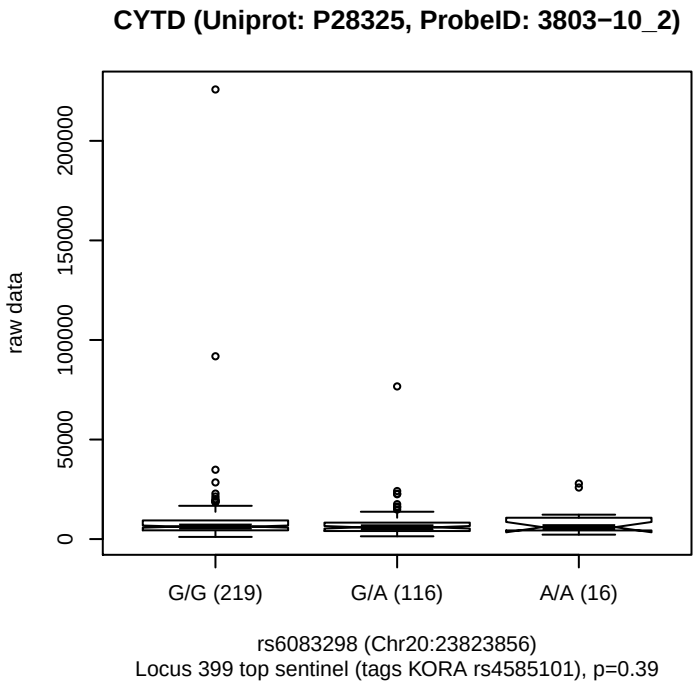

IL−17E (Uniprot: Q9H293, ProbeID: 4137−57_2)
Frequency
0
50
100
150
200
7
8
9
10
11
12
13
log2−scaled data
Interleukin−25

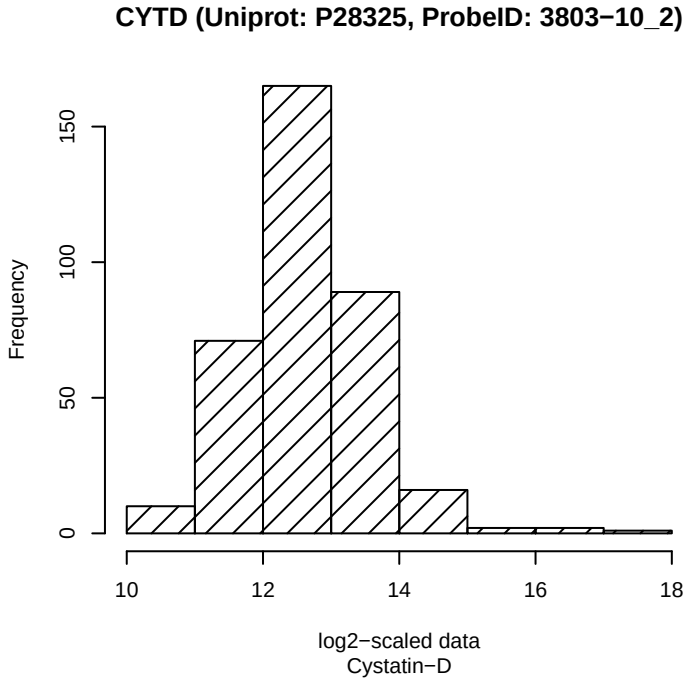

IL−17E (Uniprot: Q9H293, ProbeID: 4137−57_2)
log2−scaled data
7
8
9
10
11
12
13
C/C (261)
C/A (79)
A/A (13)
rs7121784 (Chr11:120159052)
Locus 397 top sentinel (tags KORA rs7121784), p=0.42, FC=−1.0334

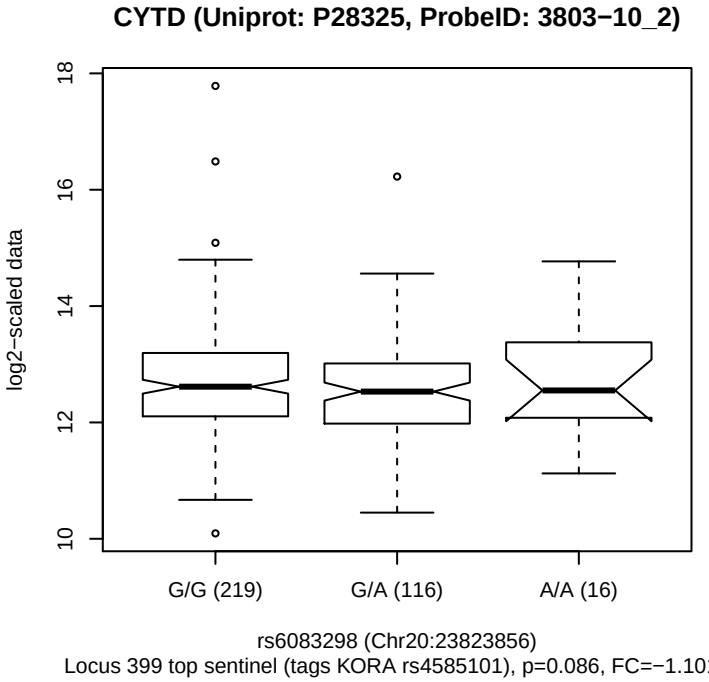

IL−17E (Uniprot: Q9H293, ProbeID: 4137−57_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−25

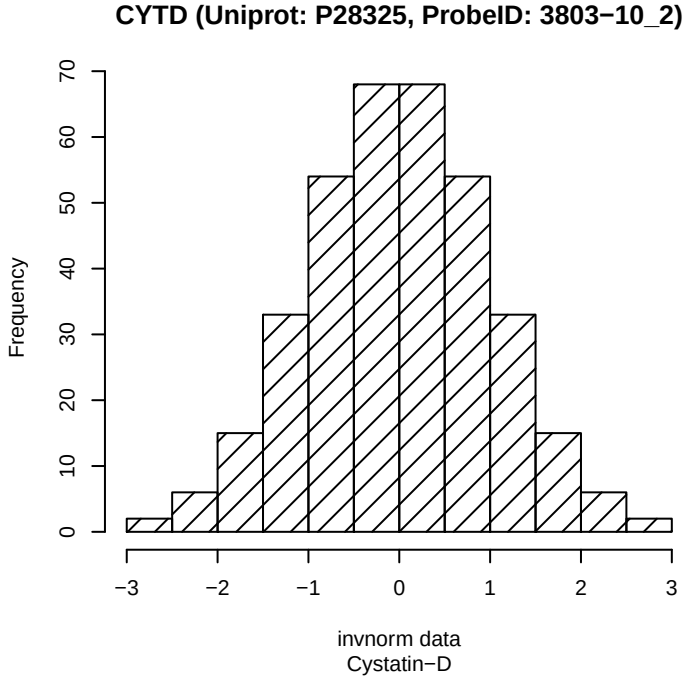

IL−17E (Uniprot: Q9H293, ProbeID: 4137−57_2)
invnorm data
−2
−1
0
1
2
C/C (261)
C/A (79)
A/A (13)
rs7121784 (Chr11:120159052)
Locus 397 top sentinel (tags KORA rs7121784), p=0.87

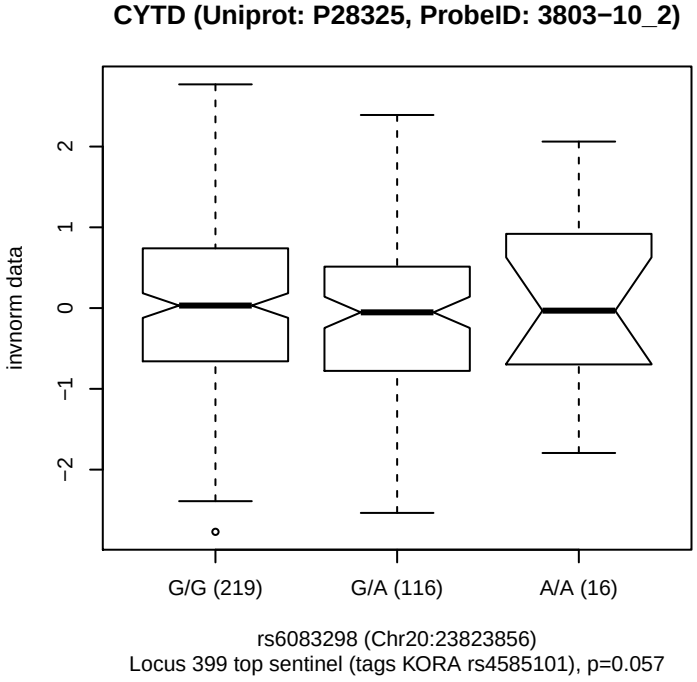

CYTD (Uniprot: P28325, ProbeID: 3803−10_2)
Frequency
0
50
100
150
200
250
300
350
0
50000
100000
150000
200000
raw data
Cystatin−D


CYTD (Uniprot: P28325, ProbeID: 3803−10_2)
raw data
0
50000
100000
150000
200000
G/G (219)
G/A (116)
A/A (16)
rs6083298 (Chr20:23823856)
Locus 399 top sentinel (tags KORA rs4585101), p=0.39

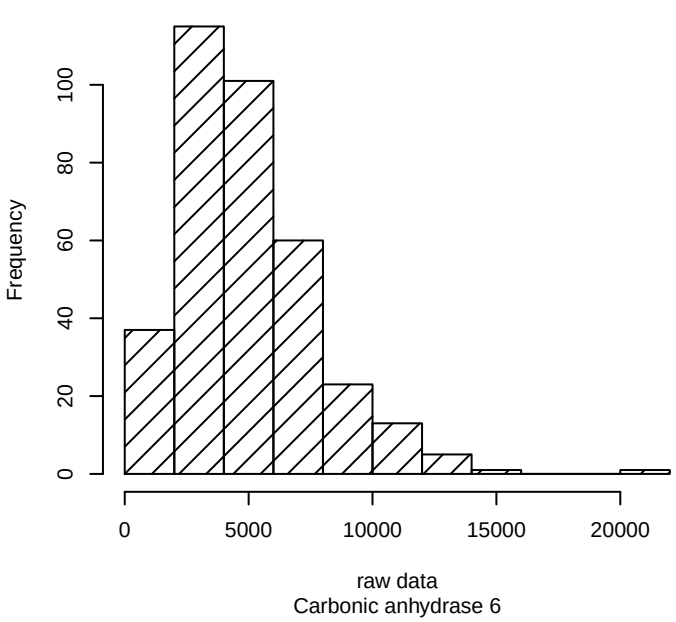

CYTD (Uniprot: P28325, ProbeID: 3803−10_2)
Frequency
0
50
100
150
10
12
14
16
18
log2−scaled data
Cystatin−D


CYTD (Uniprot: P28325, ProbeID: 3803−10_2)
log2−scaled data
10
12
14
16
18
G/G (219)
G/A (116)
A/A (16)
rs6083298 (Chr20:23823856)
Locus 399 top sentinel (tags KORA rs4585101), p=0.086, FC=−1.1015

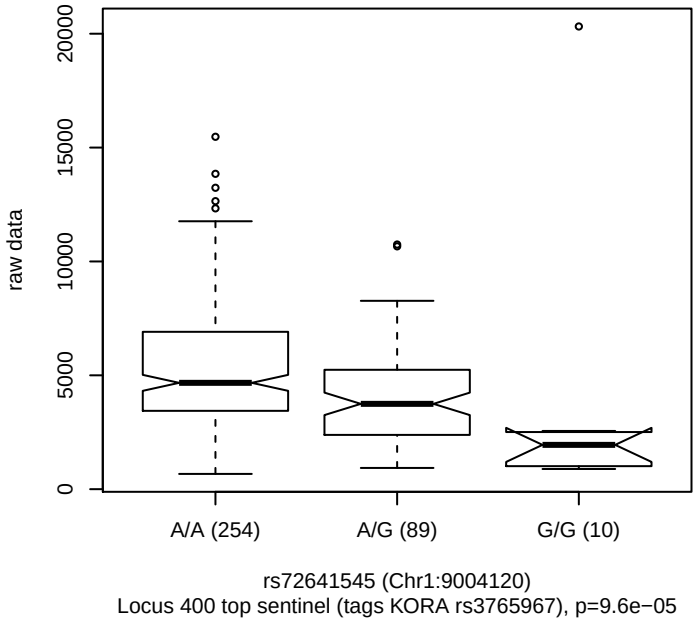

CYTD (Uniprot: P28325, ProbeID: 3803−10_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Cystatin−D


CYTD (Uniprot: P28325, ProbeID: 3803−10_2)
invnorm data
−2
−1
0
1
2
G/G (219)
G/A (116)
A/A (16)
rs6083298 (Chr20:23823856)
Locus 399 top sentinel (tags KORA rs4585101), p=0.057

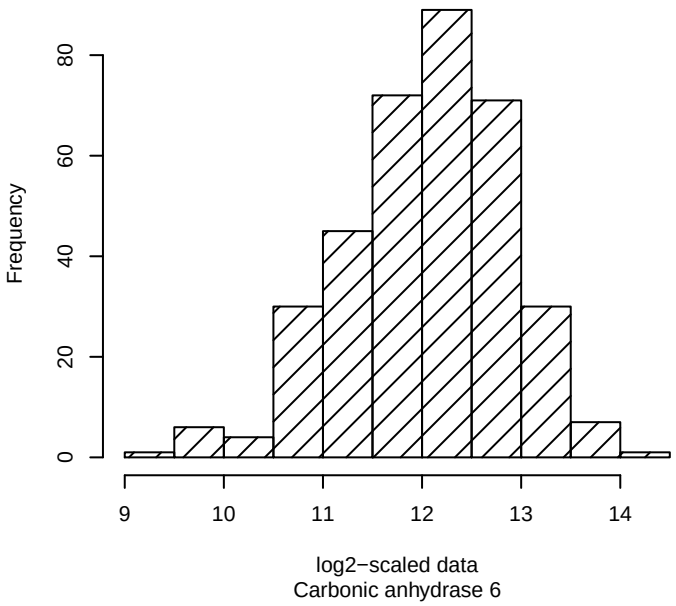
Carbonic anhydrase 6 (Uniprot: P23280, ProbeID: 3352−80



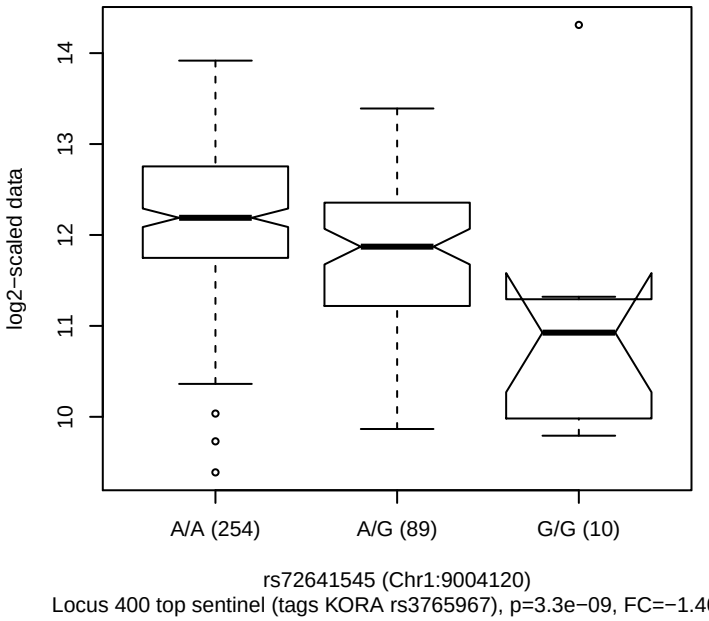
Carbonic anhydrase 6 (Uniprot: P23280, ProbeID: 3352−80



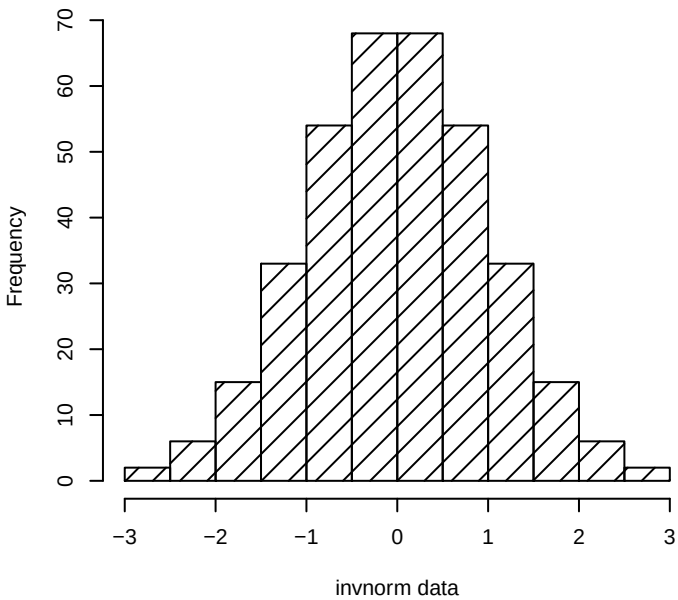
Carbonic anhydrase 6 (Uniprot: P23280, ProbeID: 3352−80



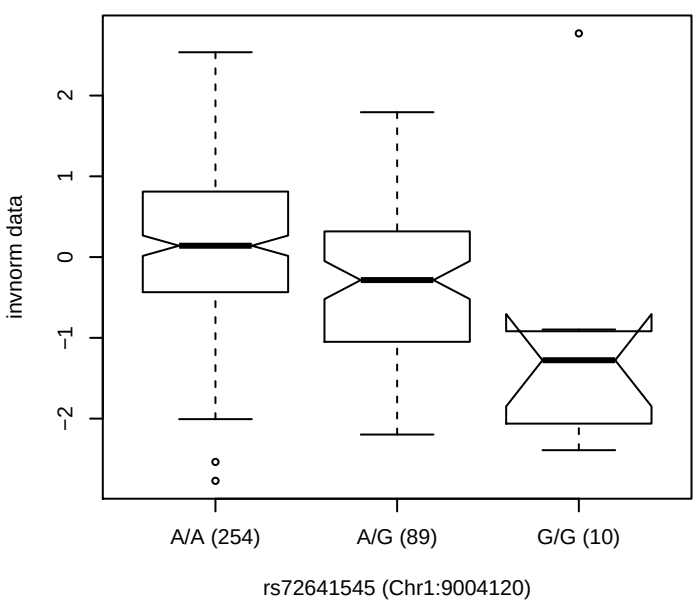
Carbonic anhydrase 6 (Uniprot: P23280, ProbeID: 3352−80

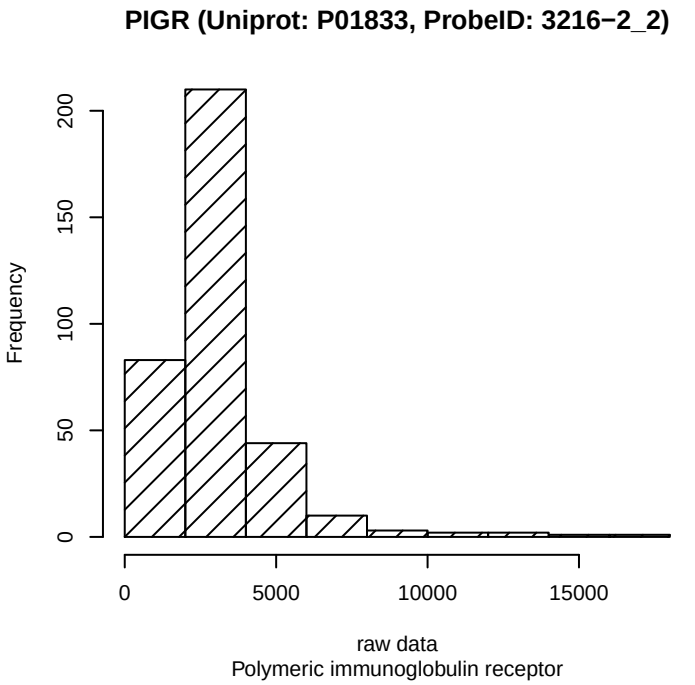


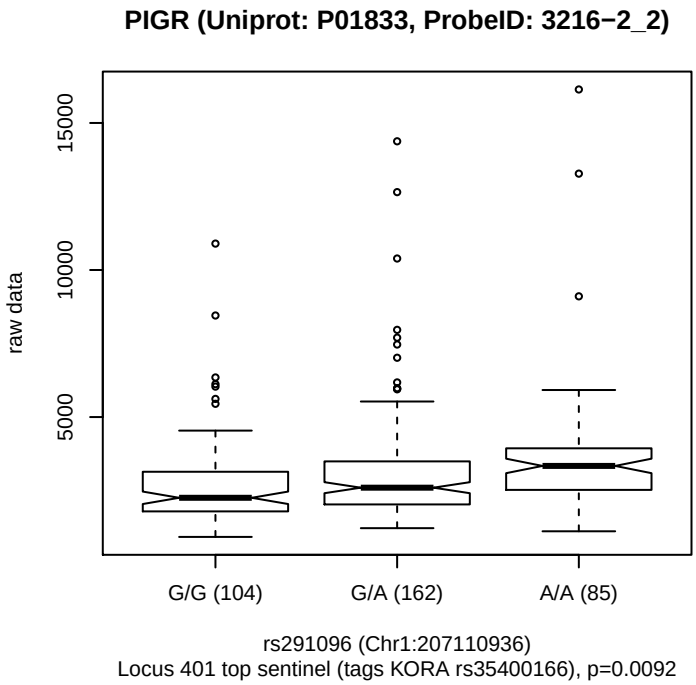
Carbonic anhydrase 6 (Uniprot: P23280, ProbeID: 3352−80

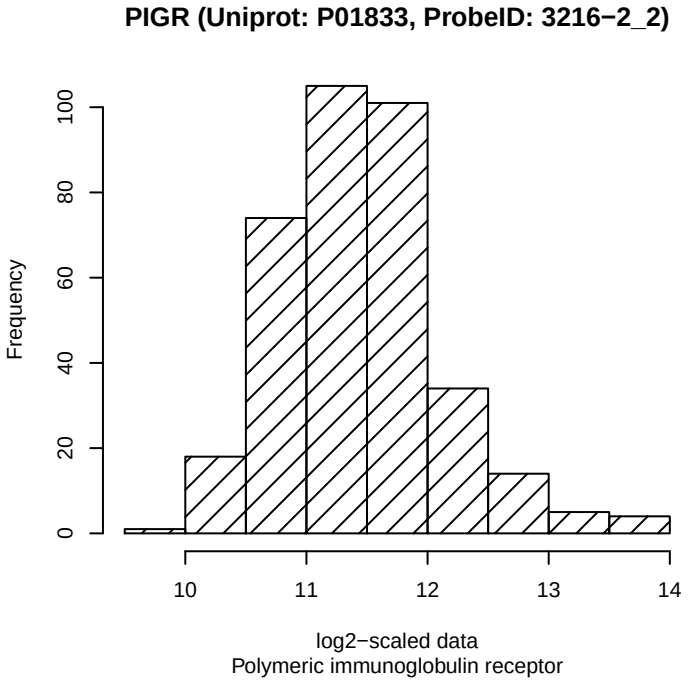


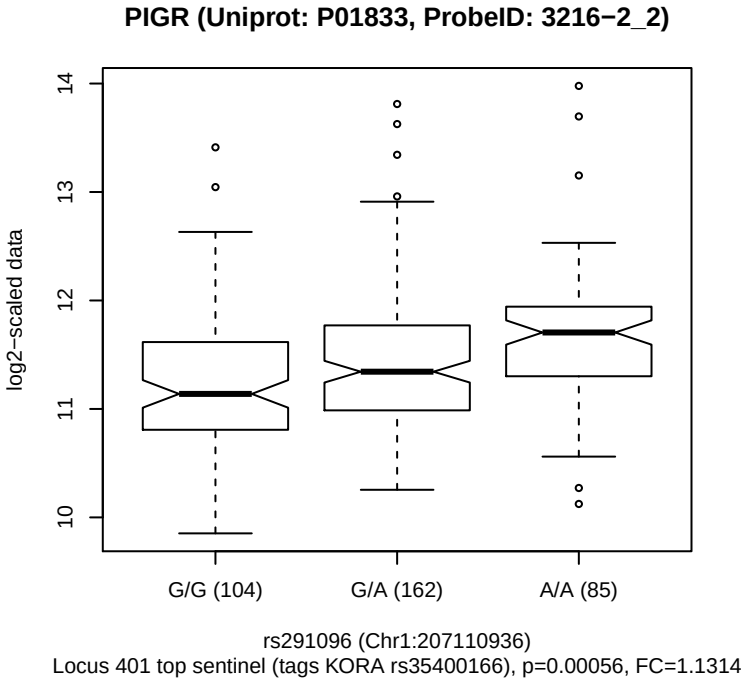
Carbonic anhydrase 6 (Uniprot: P23280, ProbeID: 3352−80

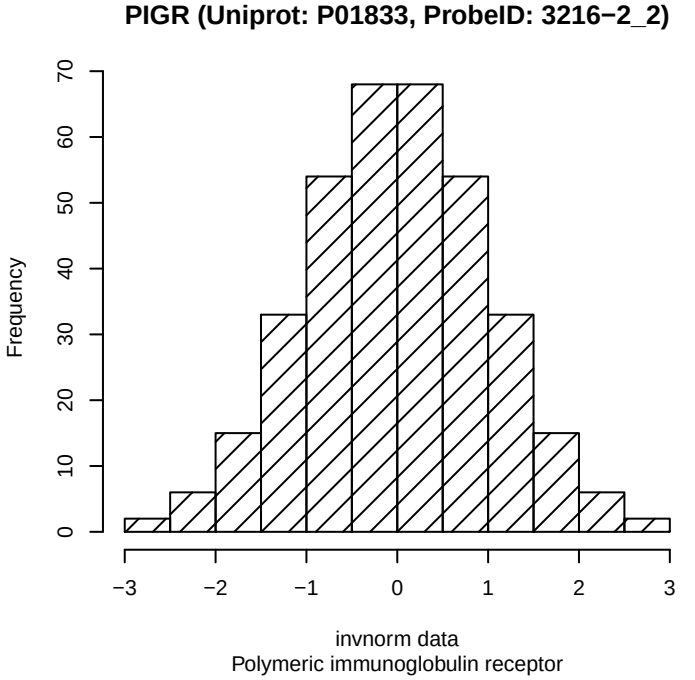


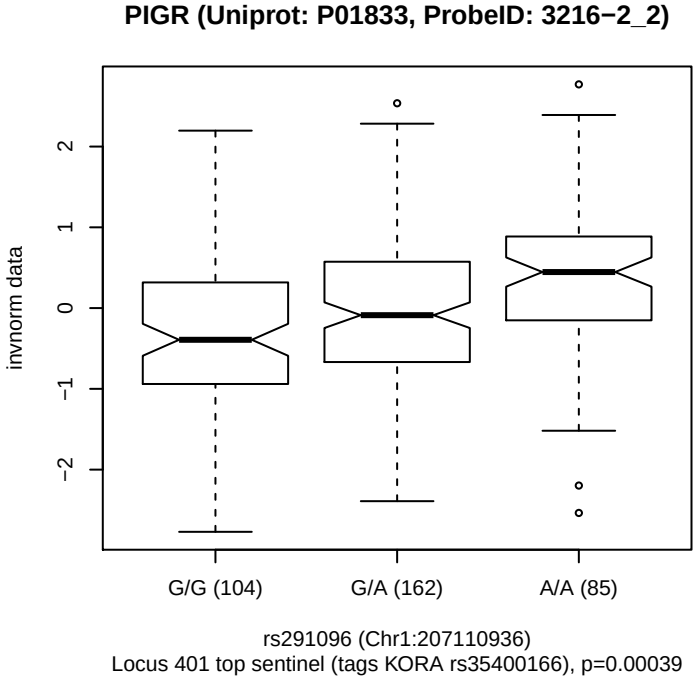

PIGR (Uniprot: P01833, ProbeID: 3216−2_2)
Frequency
0
50
100
150
200
0
5000
10000
15000
raw data
Polymeric immunoglobulin receptor

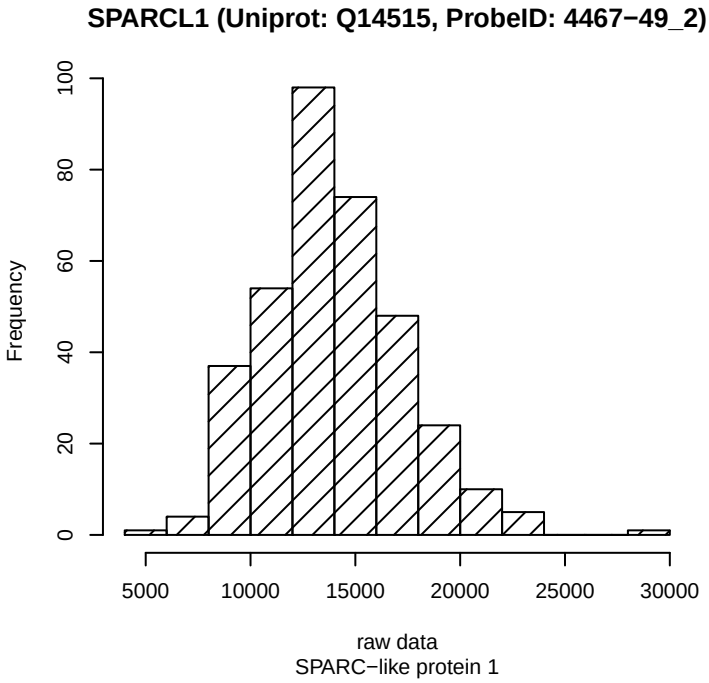

PIGR (Uniprot: P01833, ProbeID: 3216−2_2)
raw data
5000
10000
15000
G/G (104)
G/A (162)
A/A (85)
rs291096 (Chr1:207110936)
Locus 401 top sentinel (tags KORA rs35400166), p=0.0092

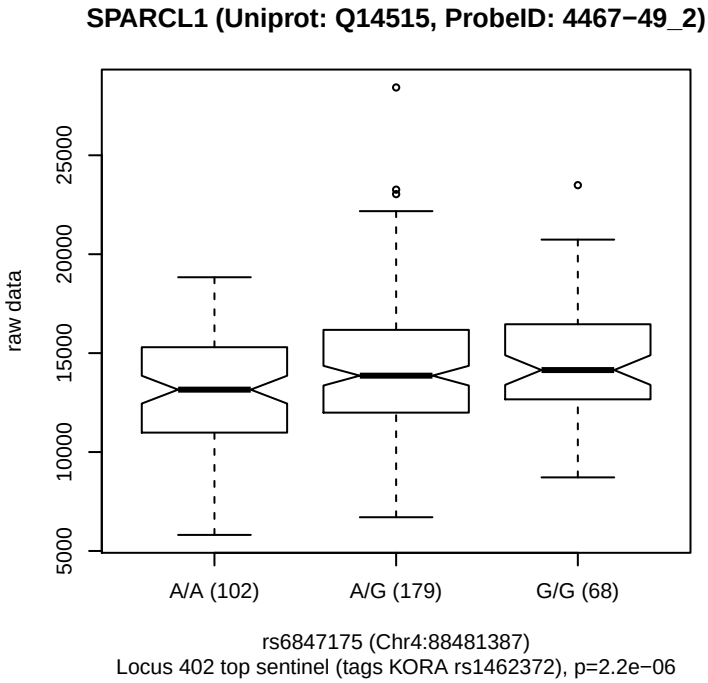

PIGR (Uniprot: P01833, ProbeID: 3216−2_2)
Frequency
0
20
40
60
80
100
10
11
12
13
14
log2−scaled data
Polymeric immunoglobulin receptor

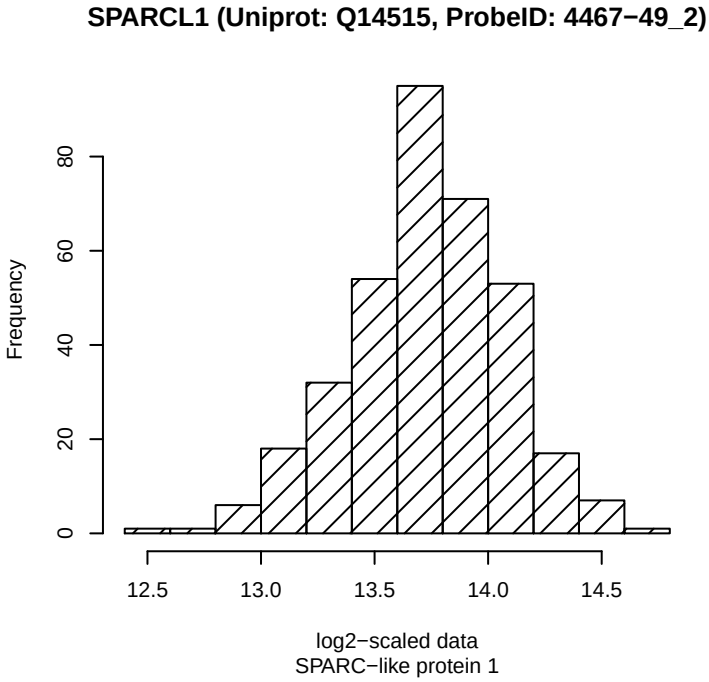

PIGR (Uniprot: P01833, ProbeID: 3216−2_2)
log2−scaled data
10
11
12
13
14
G/G (104)
G/A (162)
A/A (85)
rs291096 (Chr1:207110936)
Locus 401 top sentinel (tags KORA rs35400166), p=0.00056, FC=1.1314

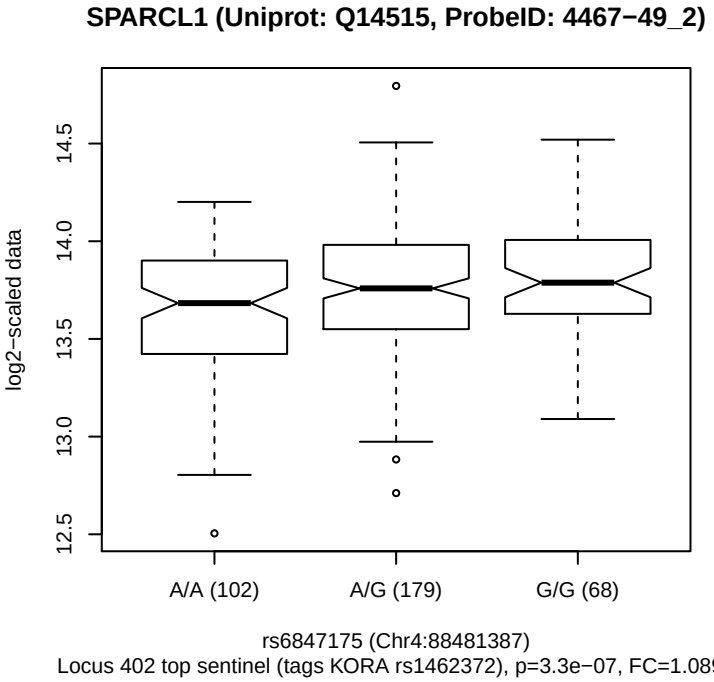

PIGR (Uniprot: P01833, ProbeID: 3216−2_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Polymeric immunoglobulin receptor

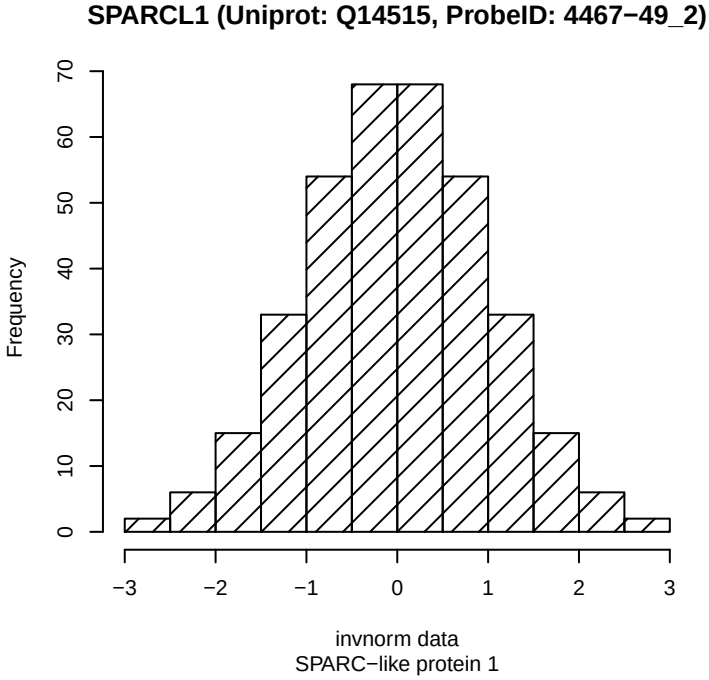

PIGR (Uniprot: P01833, ProbeID: 3216−2_2)
invnorm data
−2
−1
0
1
2
G/G (104)
G/A (162)
A/A (85)
rs291096 (Chr1:207110936)
Locus 401 top sentinel (tags KORA rs35400166), p=0.00039

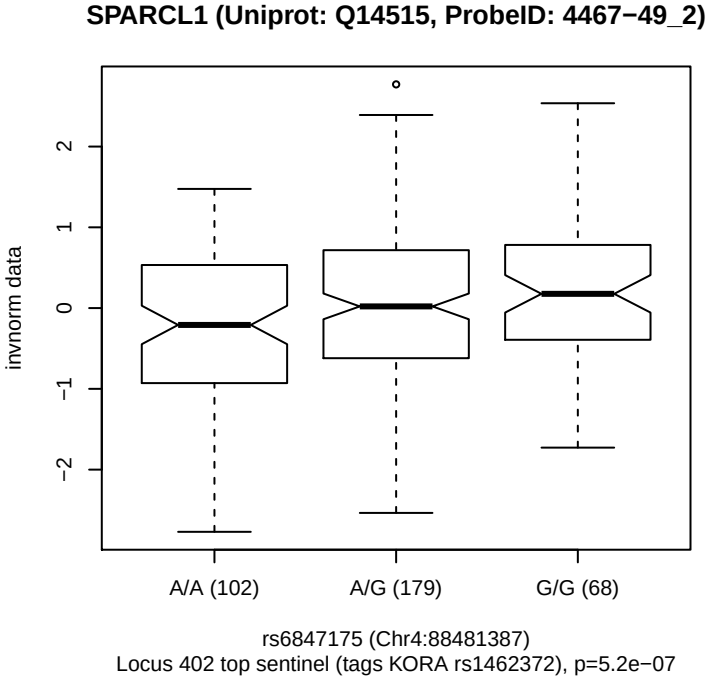

SPARCL1 (Uniprot: Q14515, ProbeID: 4467−49_2)
Frequency
0
20
40
60
80
100
5000
10000
15000
20000
25000
30000
raw data
SPARC−like protein 1

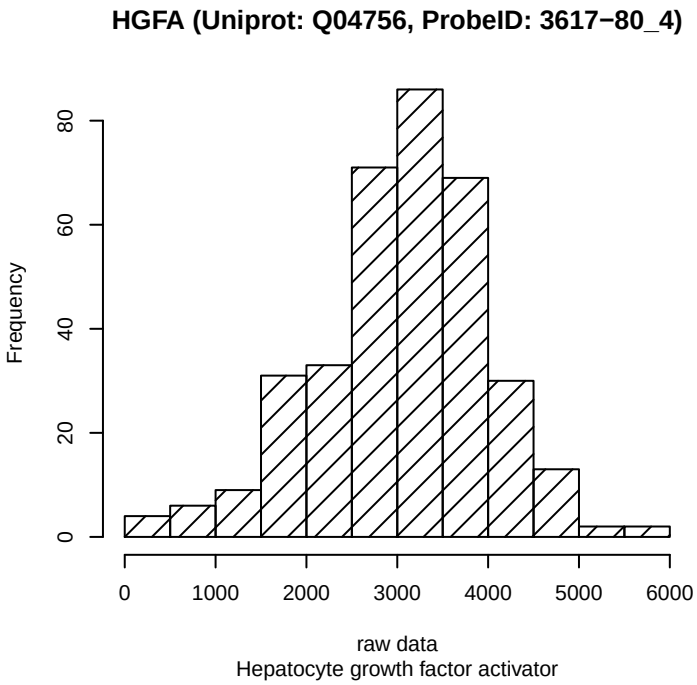

SPARCL1 (Uniprot: Q14515, ProbeID: 4467−49_2)
raw data
5000
10000
15000
20000
25000
A/A (102)
A/G (179)
G/G (68)
rs6847175 (Chr4:88481387)
Locus 402 top sentinel (tags KORA rs1462372), p=2.2e−06

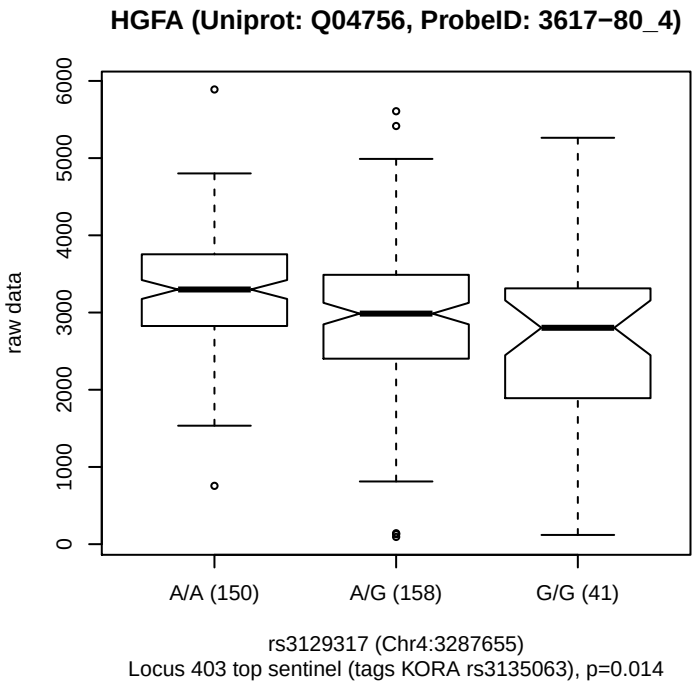

SPARCL1 (Uniprot: Q14515, ProbeID: 4467−49_2)
Frequency
0
20
40
60
80
12.5
13.0
13.5
14.0
14.5
log2−scaled data
SPARC−like protein 1

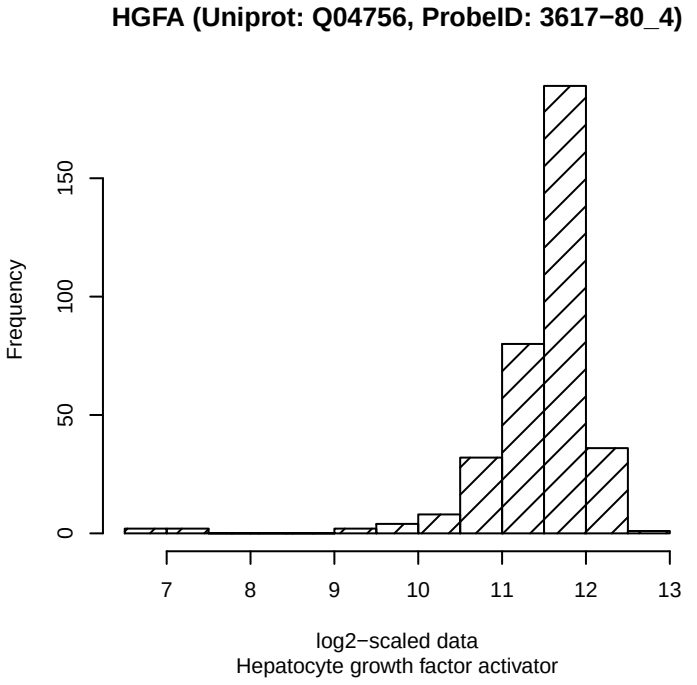

SPARCL1 (Uniprot: Q14515, ProbeID: 4467−49_2)
log2−scaled data
12.5
13.0
13.5
14.0
14.5
A/A (102)
A/G (179)
G/G (68)
rs6847175 (Chr4:88481387)
Locus 402 top sentinel (tags KORA rs1462372), p=3.3e−07, FC=1.0894

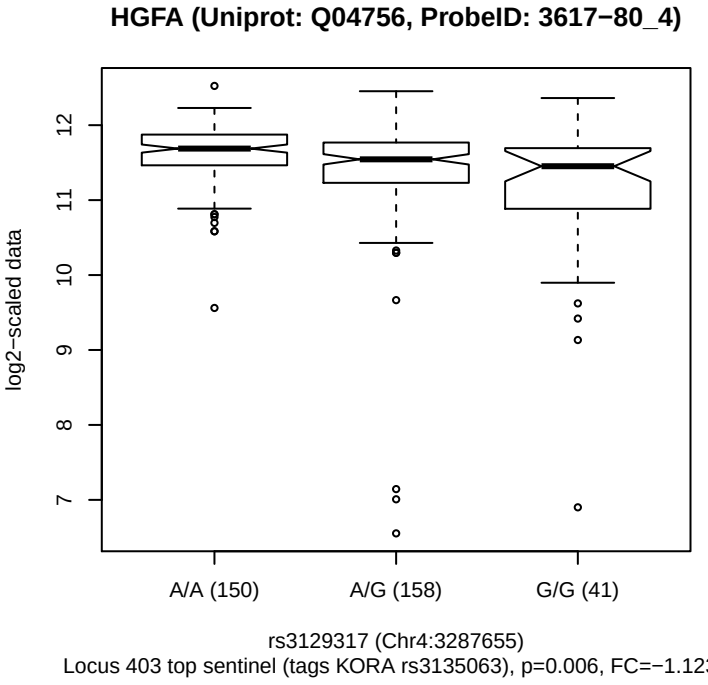

SPARCL1 (Uniprot: Q14515, ProbeID: 4467−49_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
SPARC−like protein 1

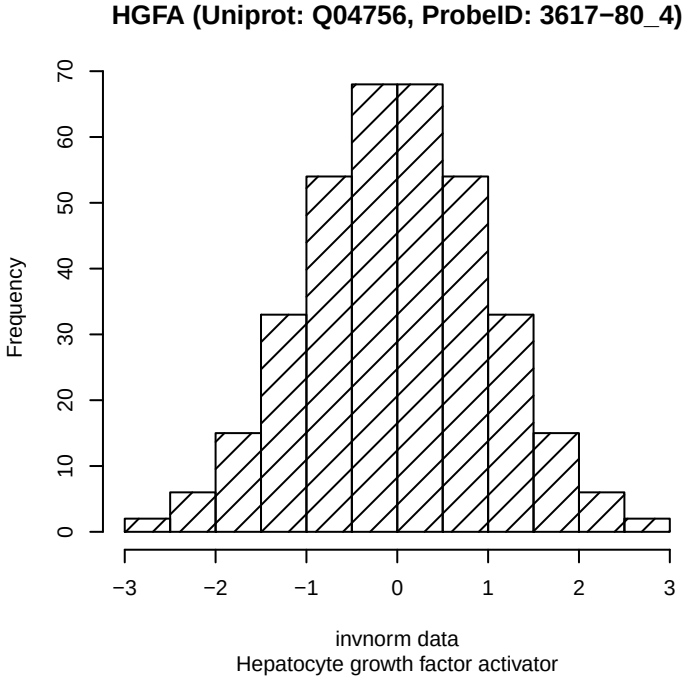

SPARCL1 (Uniprot: Q14515, ProbeID: 4467−49_2)
invnorm data
−2
−1
0
1
2
A/A (102)
A/G (179)
G/G (68)
rs6847175 (Chr4:88481387)
Locus 402 top sentinel (tags KORA rs1462372), p=5.2e−07

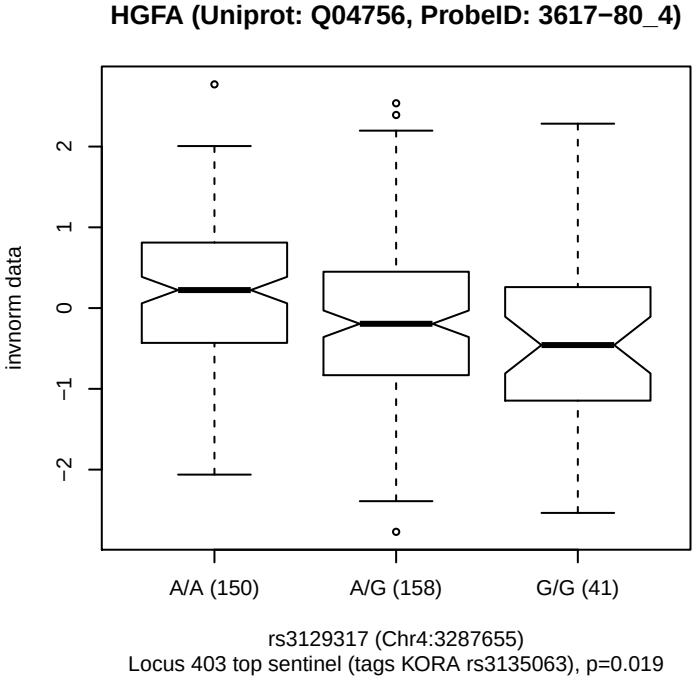

HGFA (Uniprot: Q04756, ProbeID: 3617−80_4)
Frequency
0
20
40
60
80
0
1000
2000
3000
4000
5000
6000
raw data
Hepatocyte growth factor activator

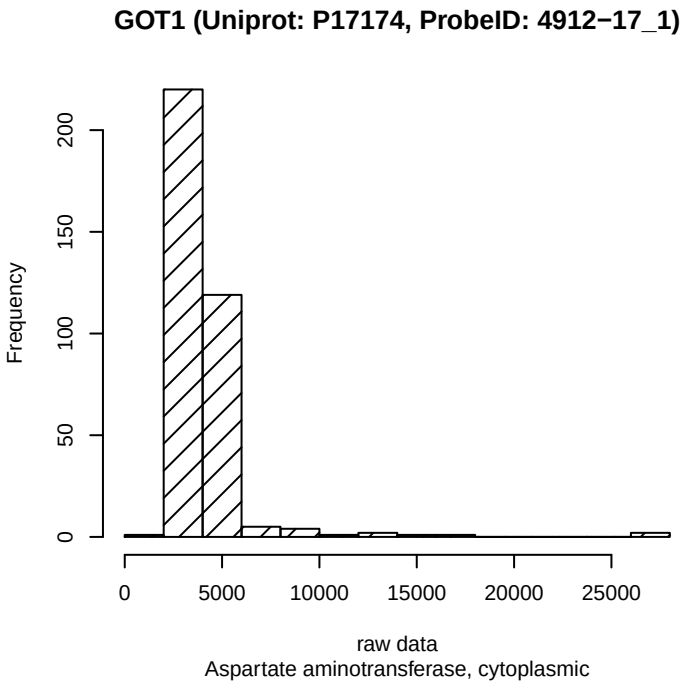

HGFA (Uniprot: Q04756, ProbeID: 3617−80_4)
raw data
0
1000
2000
3000
4000
5000
6000
A/A (150)
A/G (158)
G/G (41)
rs3129317 (Chr4:3287655)
Locus 403 top sentinel (tags KORA rs3135063), p=0.014

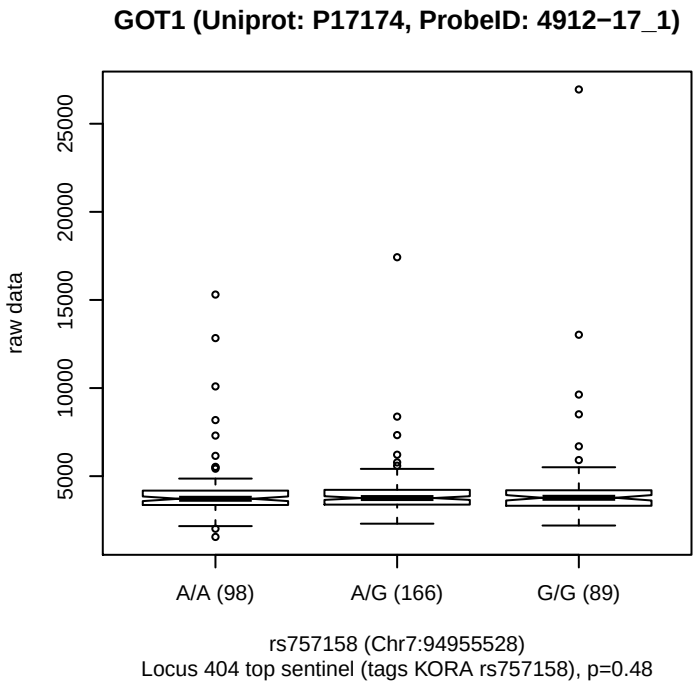

HGFA (Uniprot: Q04756, ProbeID: 3617−80_4)
Frequency
0
50
100
150
7
8
9
10
11
12
13
log2−scaled data
Hepatocyte growth factor activator

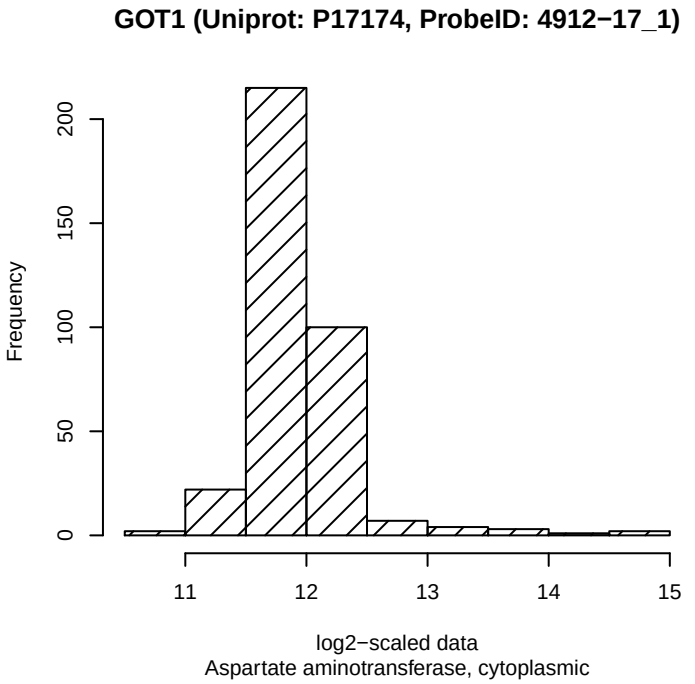

HGFA (Uniprot: Q04756, ProbeID: 3617−80_4)
log2−scaled data
7
8
9
10
11
12
A/A (150)
A/G (158)
G/G (41)
rs3129317 (Chr4:3287655)
Locus 403 top sentinel (tags KORA rs3135063), p=0.006, FC=−1.1231

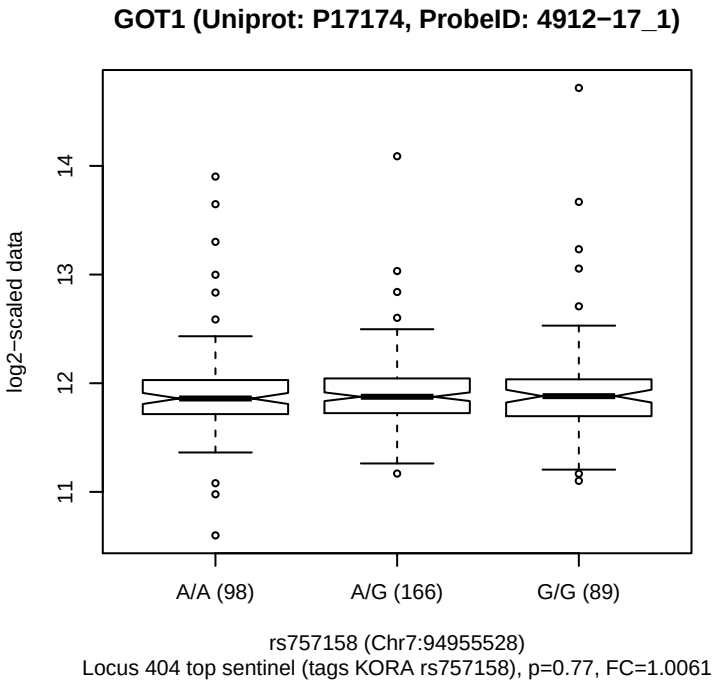

HGFA (Uniprot: Q04756, ProbeID: 3617−80_4)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Hepatocyte growth factor activator

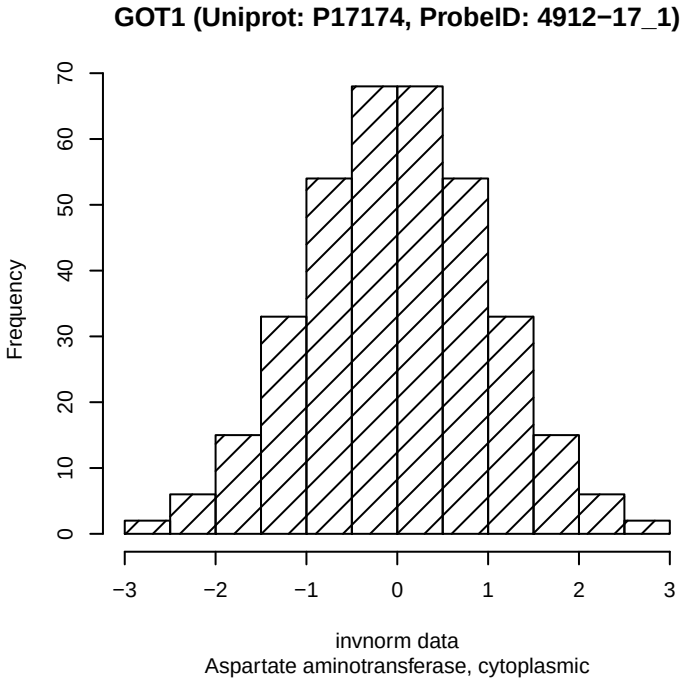

HGFA (Uniprot: Q04756, ProbeID: 3617−80_4)
invnorm data
−2
−1
0
1
2
A/A (150)
A/G (158)
G/G (41)
rs3129317 (Chr4:3287655)
Locus 403 top sentinel (tags KORA rs3135063), p=0.019

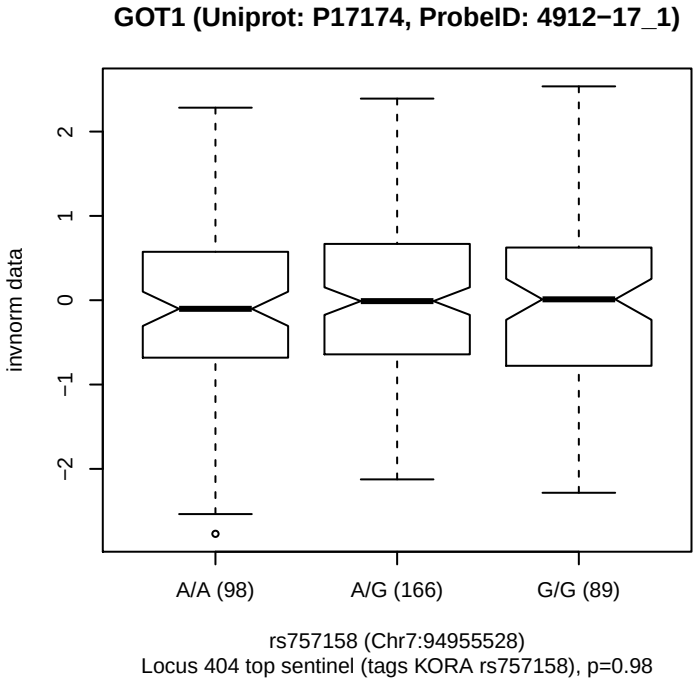

GOT1 (Uniprot: P17174, ProbeID: 4912−17_1)
Frequency
0
50
100
150
200
0
5000
10000
15000
20000
25000
raw data
Aspartate aminotransferase, cytoplasmic

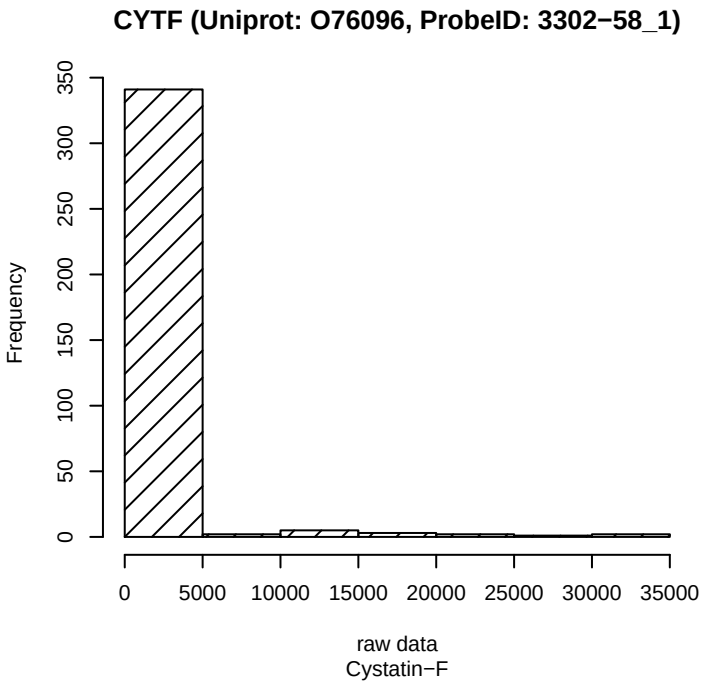

GOT1 (Uniprot: P17174, ProbeID: 4912−17_1)
raw data
5000
10000
15000
20000
25000
A/A (98)
A/G (166)
G/G (89)
rs757158 (Chr7:94955528)
Locus 404 top sentinel (tags KORA rs757158), p=0.48

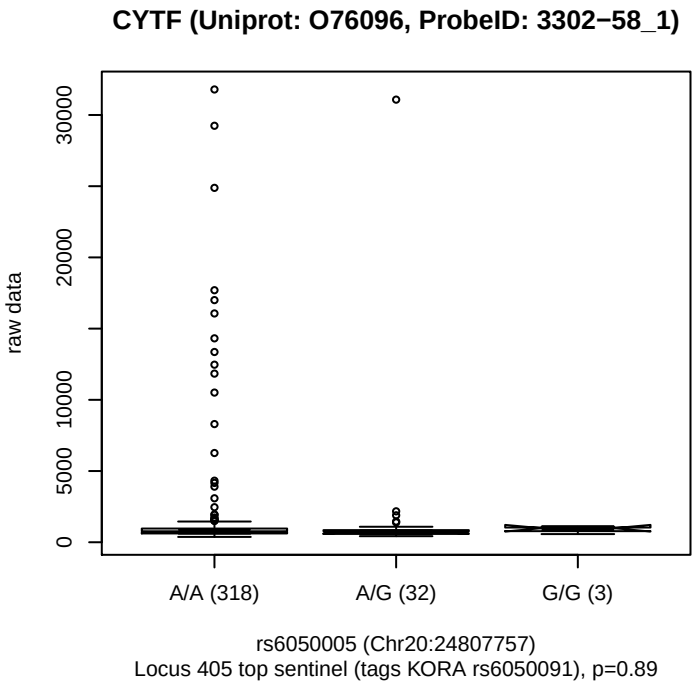

GOT1 (Uniprot: P17174, ProbeID: 4912−17_1)
Frequency
0
50
100
150
200
11
12
13
14
15
log2−scaled data
Aspartate aminotransferase, cytoplasmic

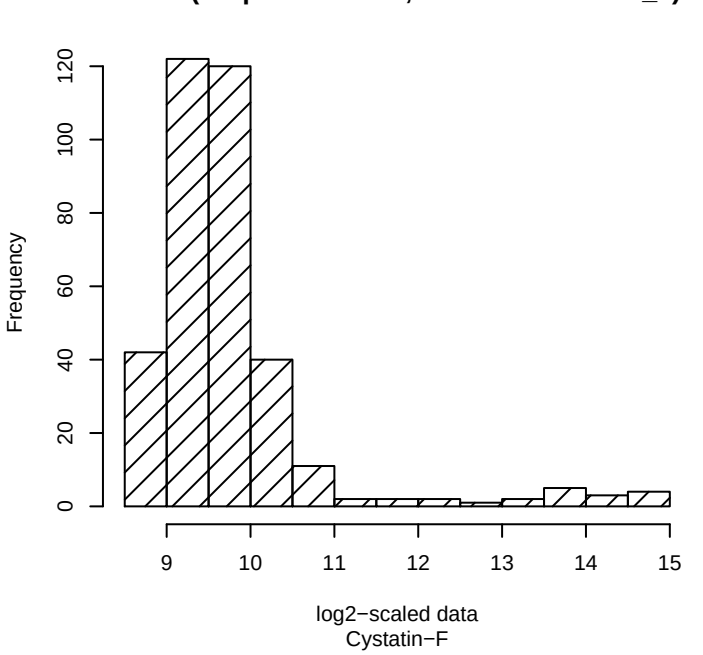

GOT1 (Uniprot: P17174, ProbeID: 4912−17_1)
log2−scaled data
11
12
13
14
A/A (98)
A/G (166)
G/G (89)
rs757158 (Chr7:94955528)
Locus 404 top sentinel (tags KORA rs757158), p=0.77, FC=1.0061

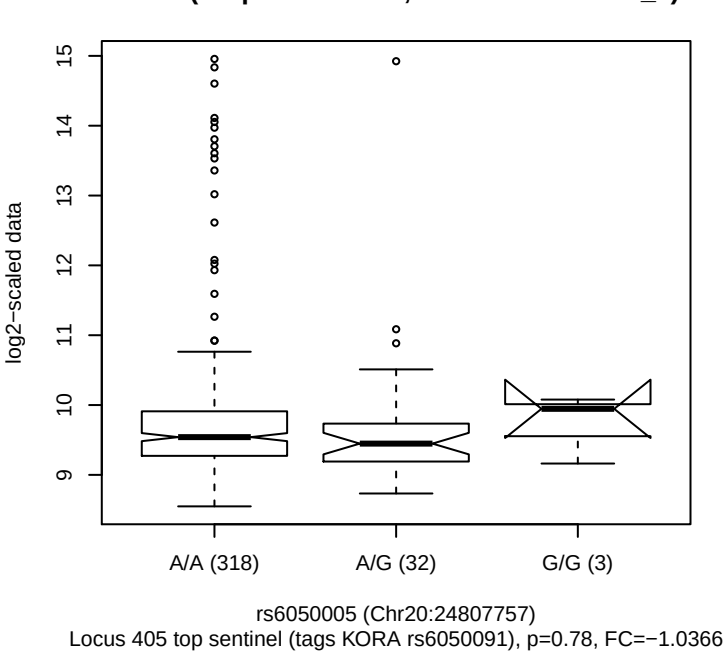

GOT1 (Uniprot: P17174, ProbeID: 4912−17_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Aspartate aminotransferase, cytoplasmic

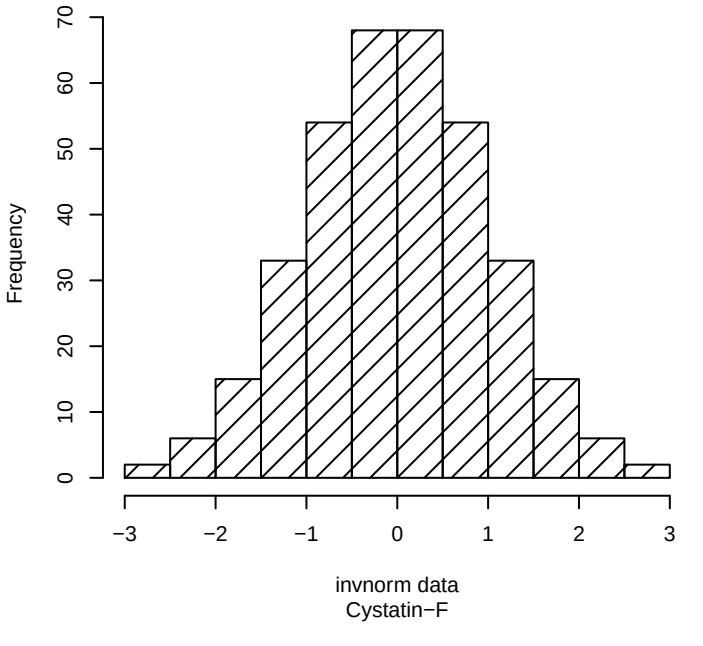

GOT1 (Uniprot: P17174, ProbeID: 4912−17_1)
invnorm data
−2
−1
0
1
2
A/A (98)
A/G (166)
G/G (89)
rs757158 (Chr7:94955528)
Locus 404 top sentinel (tags KORA rs757158), p=0.98

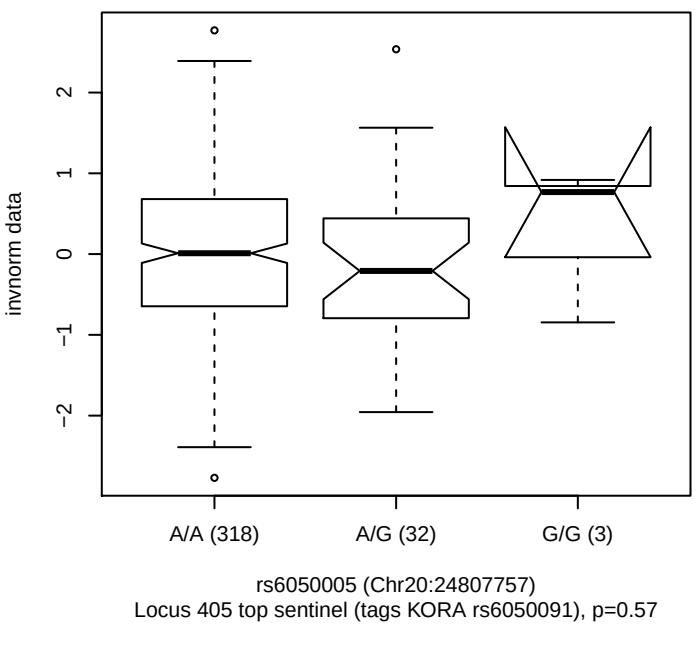

CYTF (Uniprot: O76096, ProbeID: 3302−58_1)
Frequency
0
50
100
150
200
250
300
350
0
5000
10000
15000
20000
25000
30000
35000
raw data
Cystatin−F

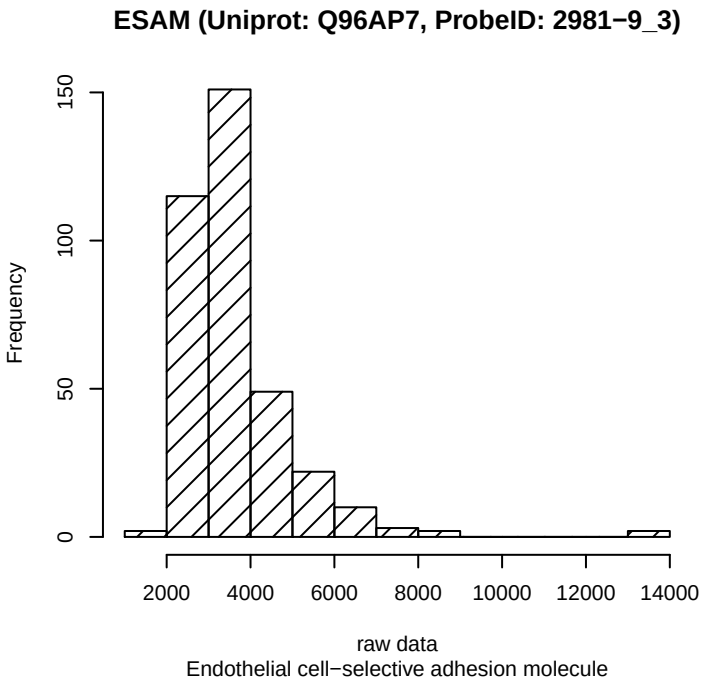

CYTF (Uniprot: O76096, ProbeID: 3302−58_1)
raw data
0
5000
10000
20000
30000
A/A (318)
A/G (32)
G/G (3)
rs6050005 (Chr20:24807757)
Locus 405 top sentinel (tags KORA rs6050091), p=0.89

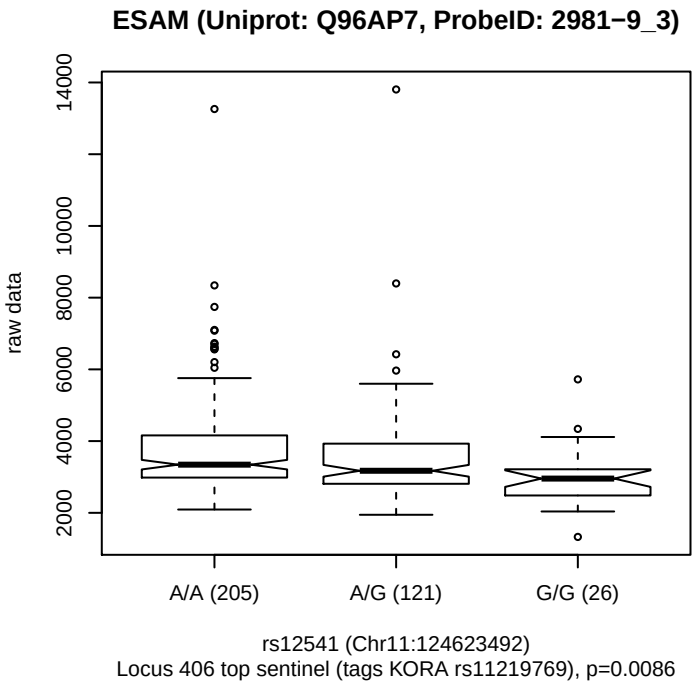

CYTF (Uniprot: O76096, ProbeID: 3302−58_1)
Frequency
0
20
40
60
80
100
120
9
10
11
12
13
14
15
log2−scaled data
Cystatin−F

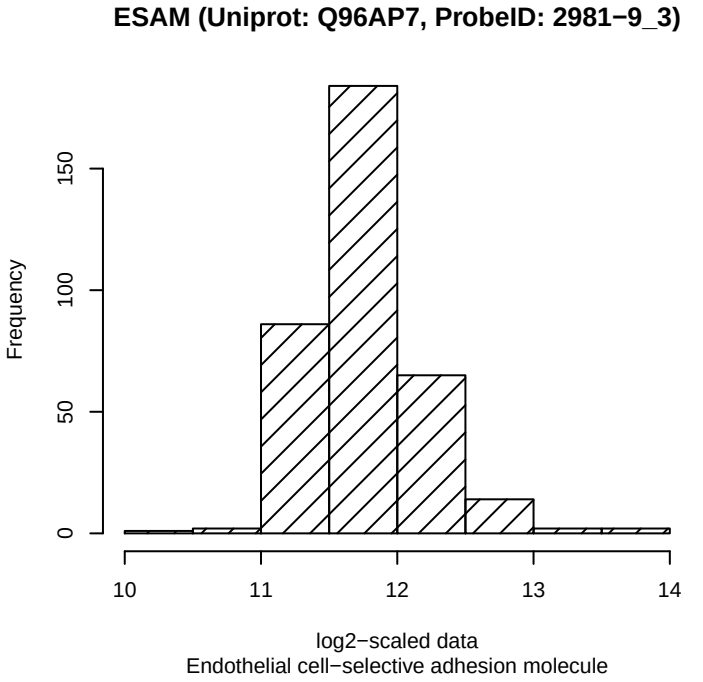

CYTF (Uniprot: O76096, ProbeID: 3302−58_1)
log2−scaled data
9
10
11
12
13
14
15
A/A (318)
A/G (32)
G/G (3)
rs6050005 (Chr20:24807757)
Locus 405 top sentinel (tags KORA rs6050091), p=0.78, FC=−1.0366

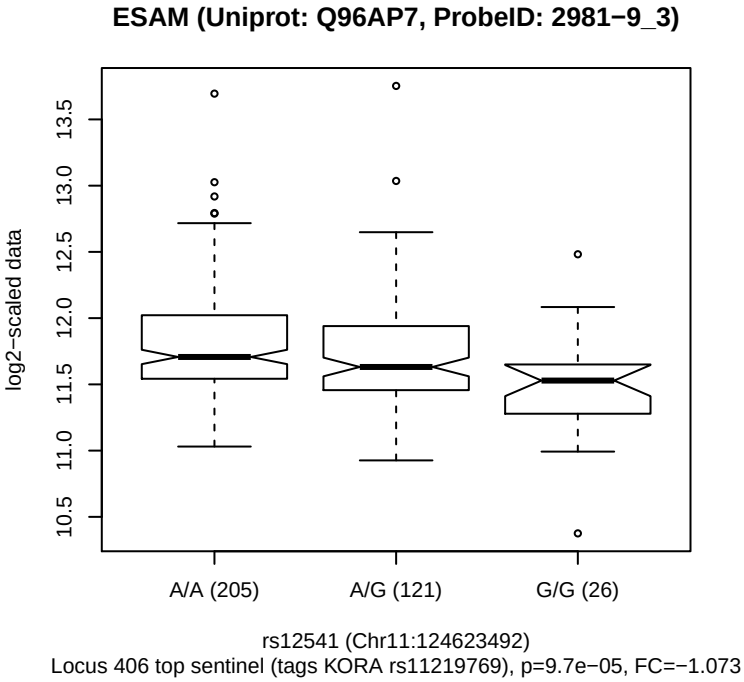

CYTF (Uniprot: O76096, ProbeID: 3302−58_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Cystatin−F

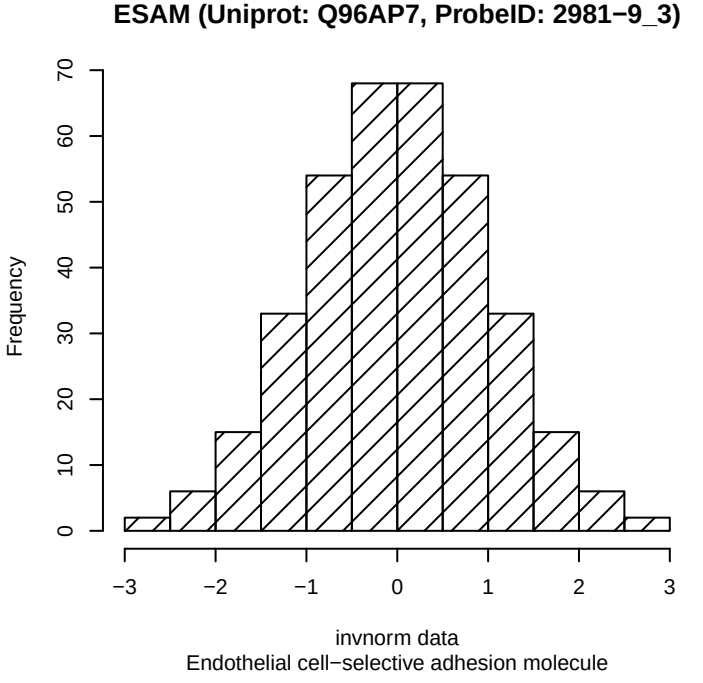

CYTF (Uniprot: O76096, ProbeID: 3302−58_1)
invnorm data
−2
−1
0
1
2
A/A (318)
A/G (32)
G/G (3)
rs6050005 (Chr20:24807757)
Locus 405 top sentinel (tags KORA rs6050091), p=0.57

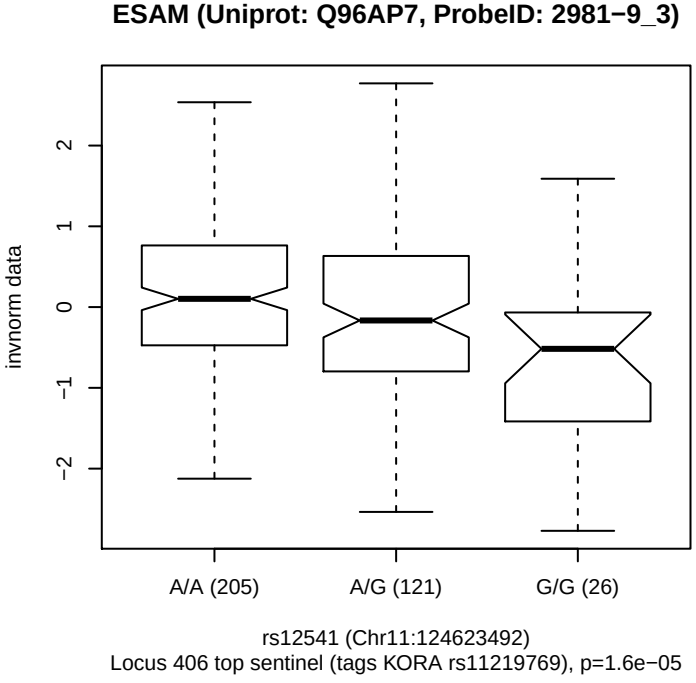

ESAM (Uniprot: Q96AP7, ProbeID: 2981−9_3)
Frequency
0
50
100
150
2000
4000
6000
8000
10000
12000
14000
raw data
Endothelial cell−selective adhesion molecule

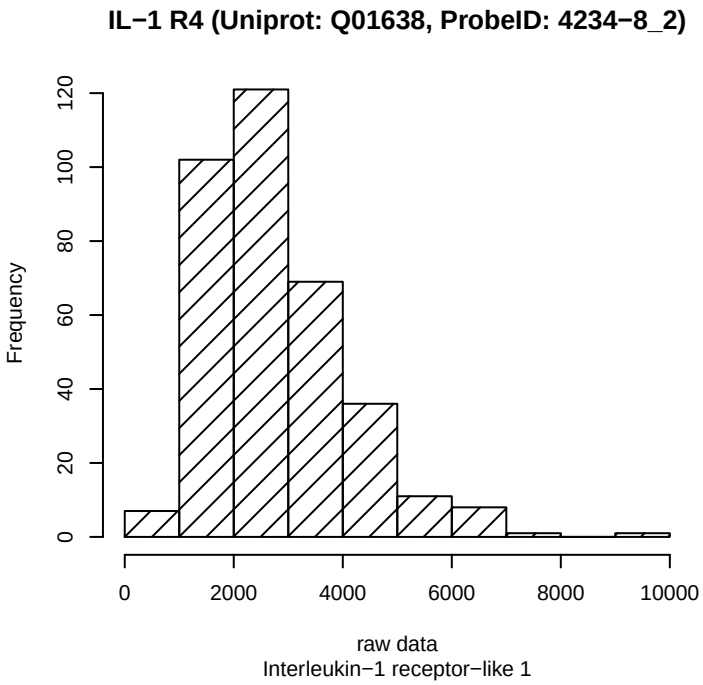

ESAM (Uniprot: Q96AP7, ProbeID: 2981−9_3)
raw data
2000
4000
6000
8000
10000
14000
A/A (205)
A/G (121)
G/G (26)
rs12541 (Chr11:124623492)
Locus 406 top sentinel (tags KORA rs11219769), p=0.0086

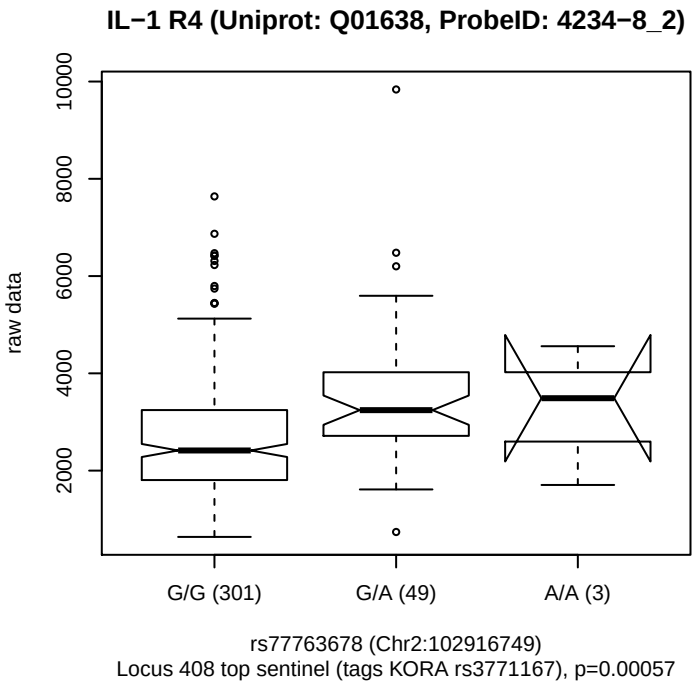

ESAM (Uniprot: Q96AP7, ProbeID: 2981−9_3)
Frequency
0
50
100
150
10
11
12
13
14
log2−scaled data
Endothelial cell−selective adhesion molecule

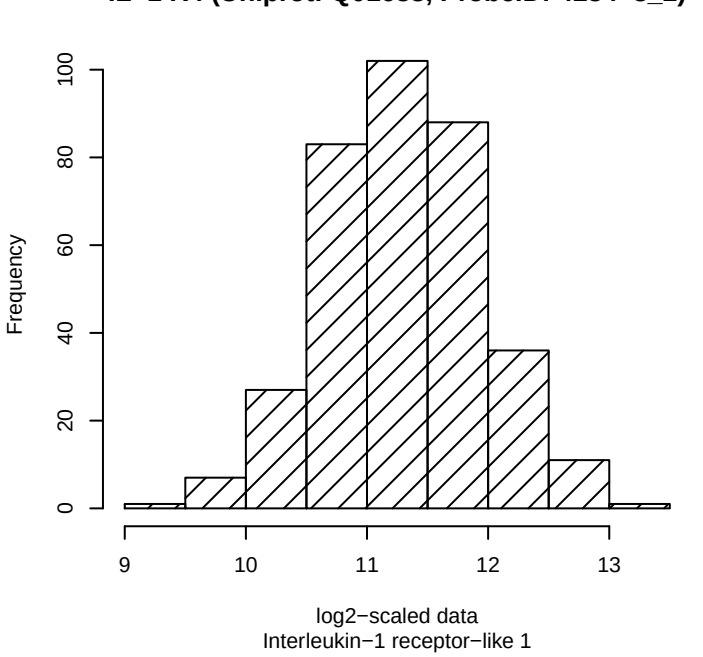

ESAM (Uniprot: Q96AP7, ProbeID: 2981−9_3)
log2−scaled data
10.5
11.0
11.5
12.0
12.5
13.0
13.5
A/A (205)
A/G (121)
G/G (26)
rs12541 (Chr11:124623492)
Locus 406 top sentinel (tags KORA rs11219769), p=9.7e−05, FC=−1.073

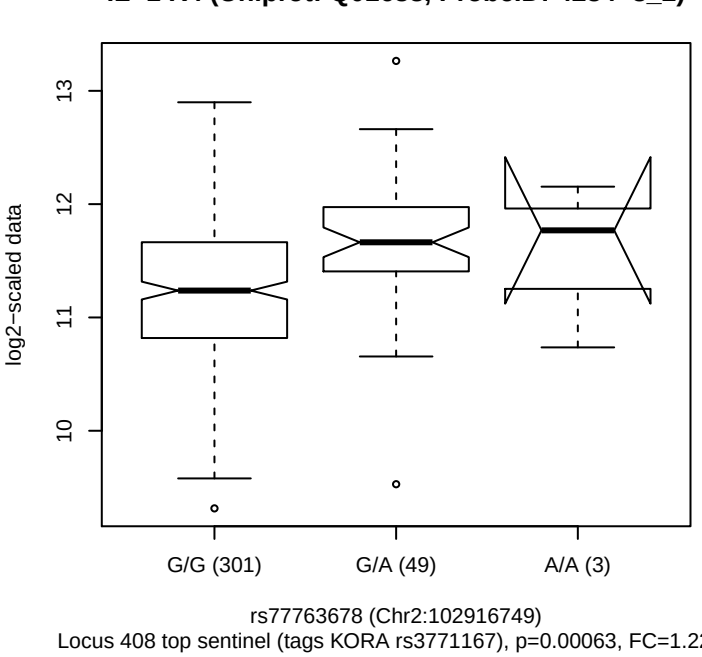

ESAM (Uniprot: Q96AP7, ProbeID: 2981−9_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Endothelial cell−selective adhesion molecule

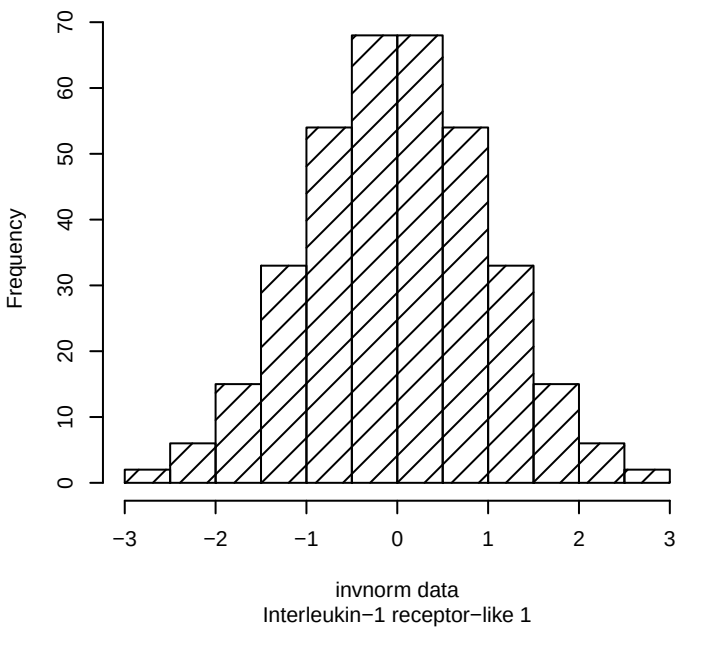

ESAM (Uniprot: Q96AP7, ProbeID: 2981−9_3)
invnorm data
−2
−1
0
1
2
A/A (205)
A/G (121)
G/G (26)
rs12541 (Chr11:124623492)
Locus 406 top sentinel (tags KORA rs11219769), p=1.6e−05

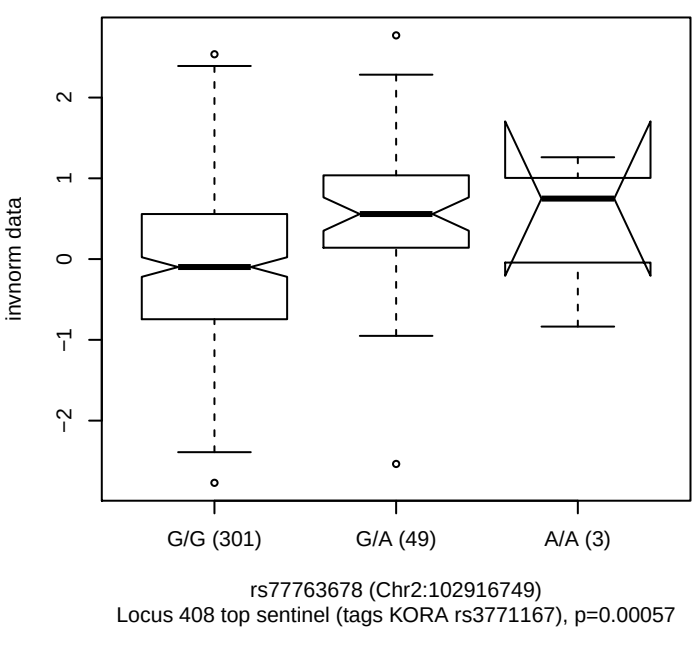

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
Frequency
0
20
40
60
80
100
120
0
2000
4000
6000
8000
10000
raw data
Interleukin−1 receptor−like 1

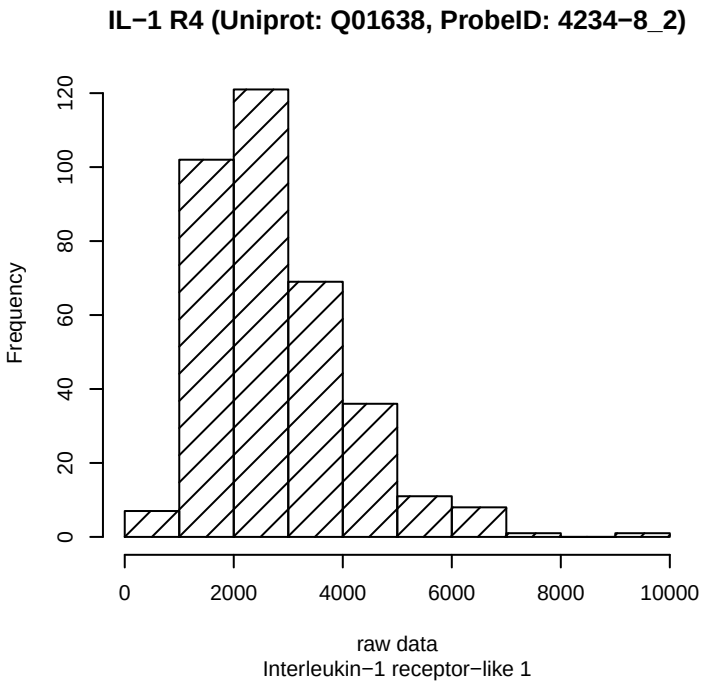

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
raw data
2000
4000
6000
8000
10000
G/G (301)
G/A (49)
A/A (3)
rs77763678 (Chr2:102916749)
Locus 408 top sentinel (tags KORA rs3771167), p=0.00057

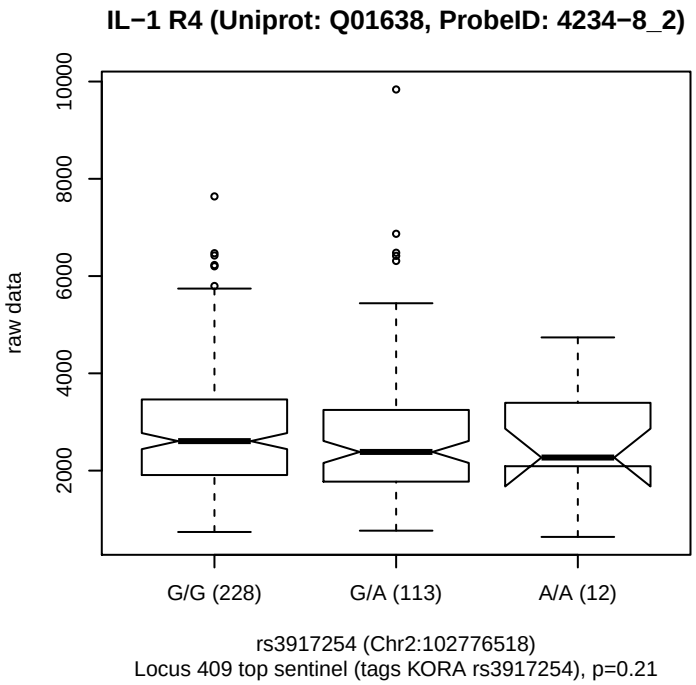

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
Frequency
0
20
40
60
80
100
9
10
11
12
13
log2−scaled data
Interleukin−1 receptor−like 1

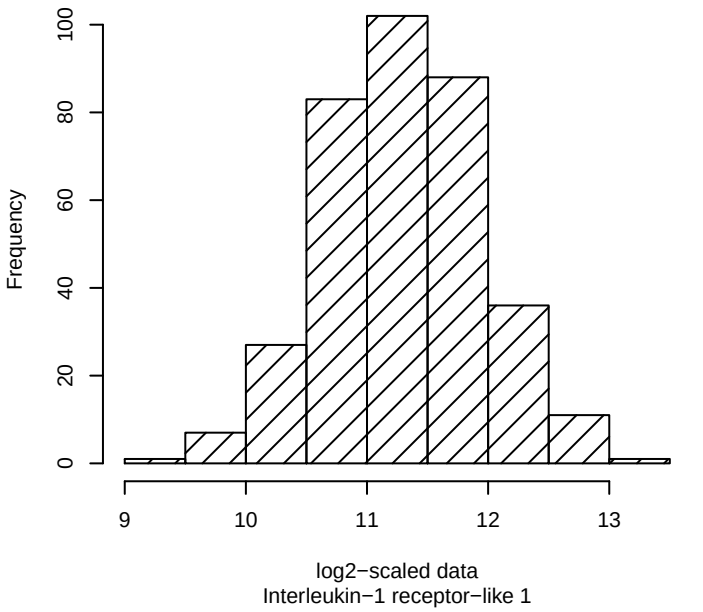

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
log2−scaled data
10
11
12
13
G/G (301)
G/A (49)
A/A (3)
rs77763678 (Chr2:102916749)
Locus 408 top sentinel (tags KORA rs3771167), p=0.00063, FC=1.2215

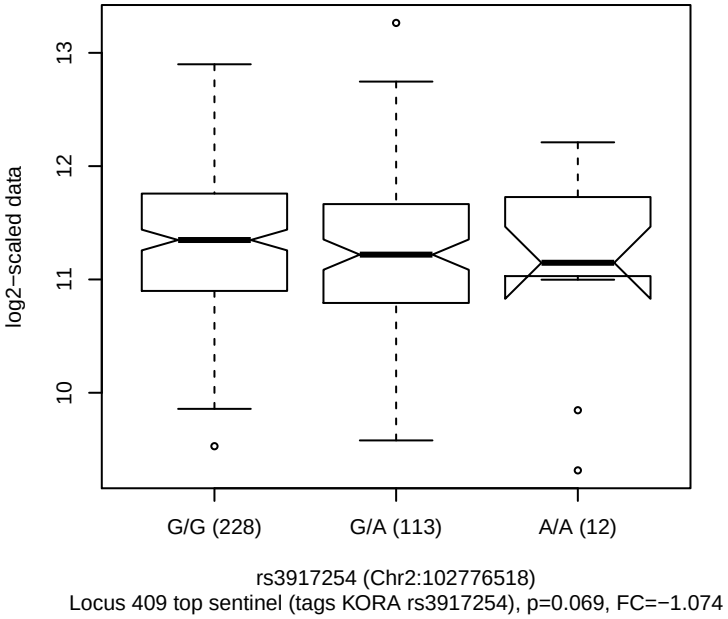

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−1 receptor−like 1

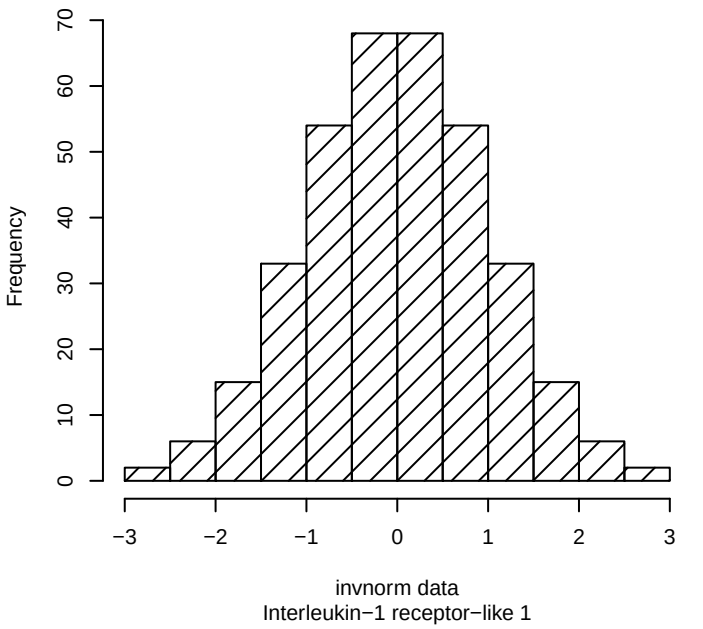

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
invnorm data
−2
−1
0
1
2
G/G (301)
G/A (49)
A/A (3)
rs77763678 (Chr2:102916749)
Locus 408 top sentinel (tags KORA rs3771167), p=0.00057

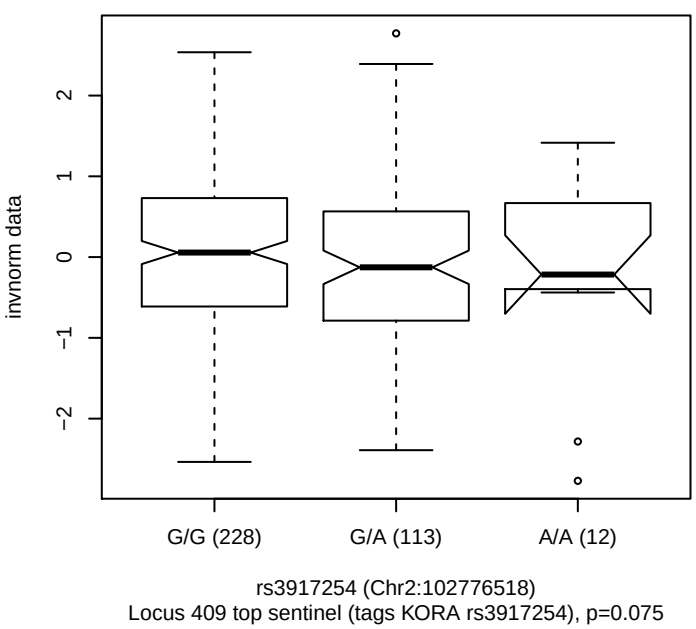

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
Frequency
0
20
40
60
80
100
120
0
2000
4000
6000
8000
10000
raw data
Interleukin−1 receptor−like 1

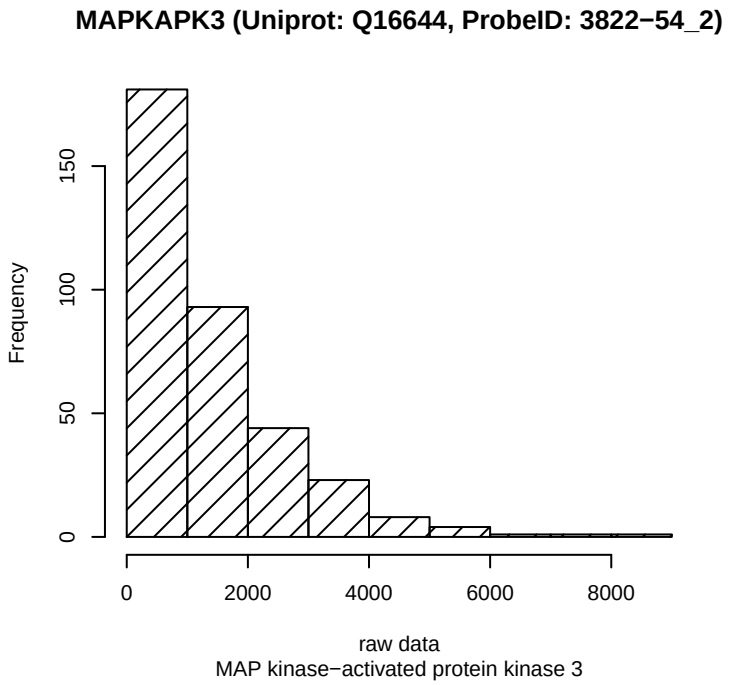

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
raw data
2000
4000
6000
8000
10000
G/G (228)
G/A (113)
A/A (12)
rs3917254 (Chr2:102776518)
Locus 409 top sentinel (tags KORA rs3917254), p=0.21

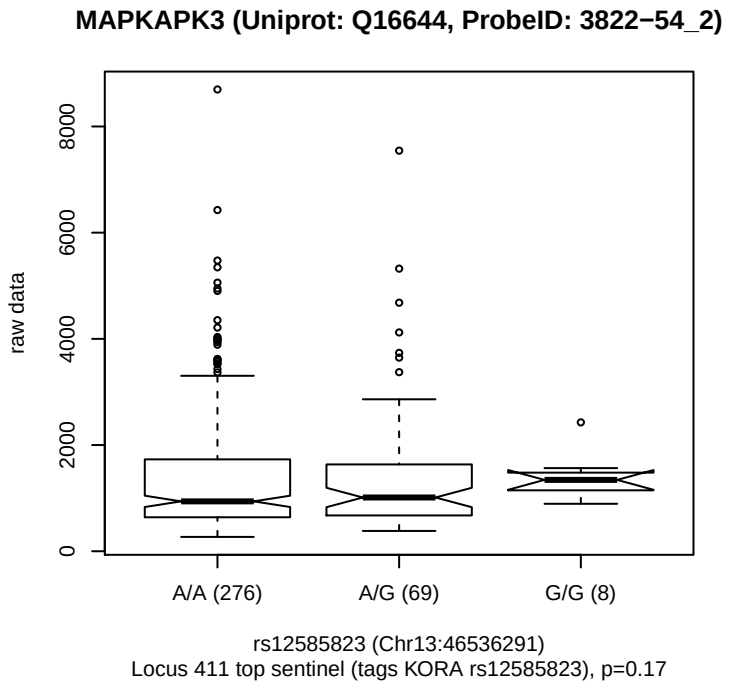

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
Frequency
0
20
40
60
80
100
9
10
11
12
13
log2−scaled data
Interleukin−1 receptor−like 1

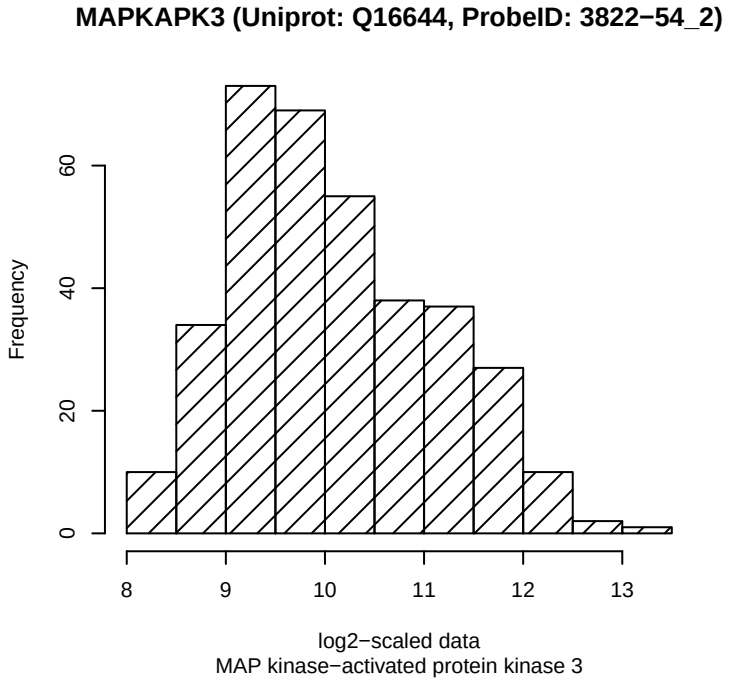

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
log2−scaled data
10
11
12
13
G/G (228)
G/A (113)
A/A (12)
rs3917254 (Chr2:102776518)
Locus 409 top sentinel (tags KORA rs3917254), p=0.069, FC=−1.074

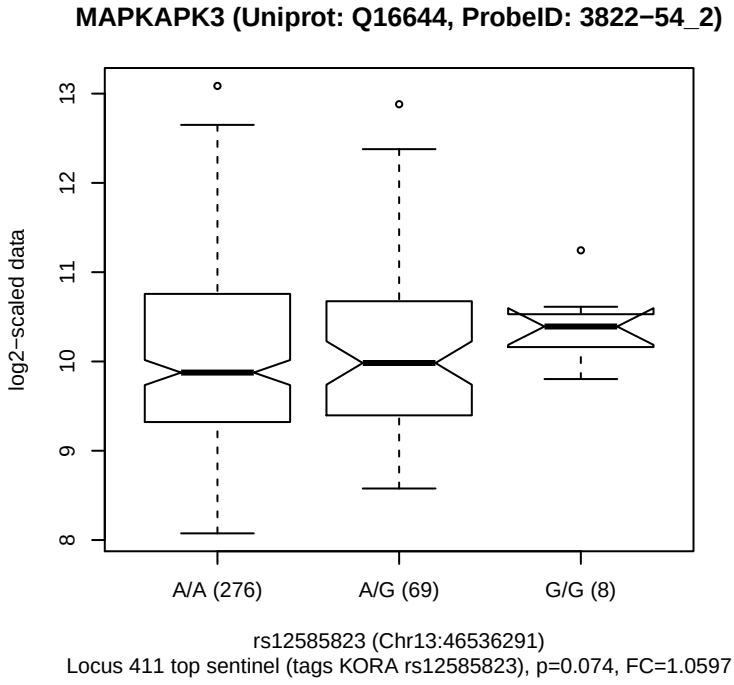

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−1 receptor−like 1

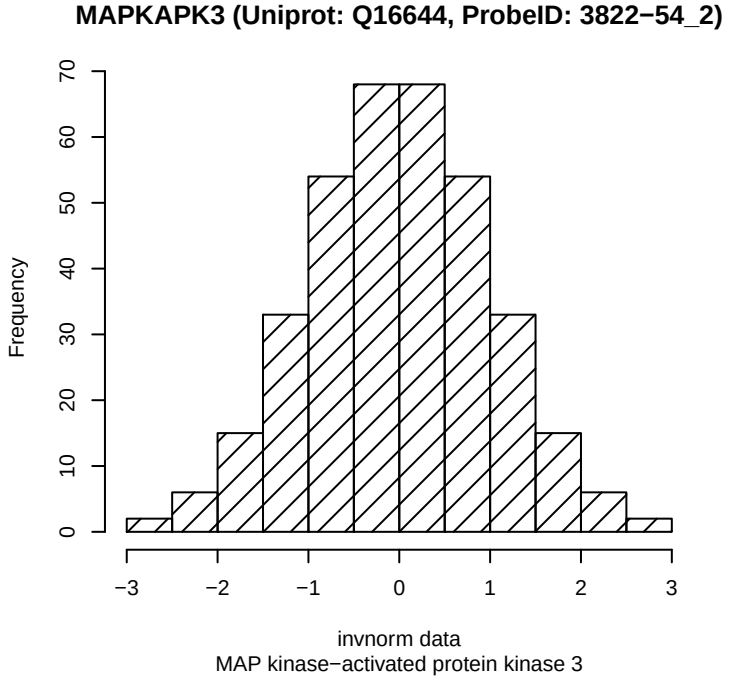

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
invnorm data
−2
−1
0
1
2
G/G (228)
G/A (113)
A/A (12)
rs3917254 (Chr2:102776518)
Locus 409 top sentinel (tags KORA rs3917254), p=0.075

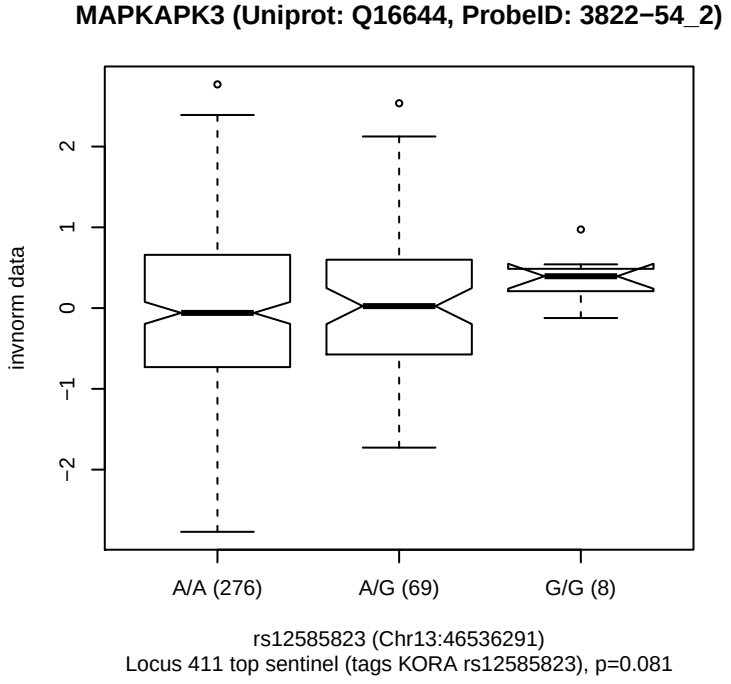

MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)
Frequency
0
50
100
150
0
2000
4000
6000
8000
raw data
MAP kinase−activated protein kinase 3


MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)
raw data
0
2000
4000
6000
8000
A/A (276)
A/G (69)
G/G (8)
rs12585823 (Chr13:46536291)
Locus 411 top sentinel (tags KORA rs12585823), p=0.17

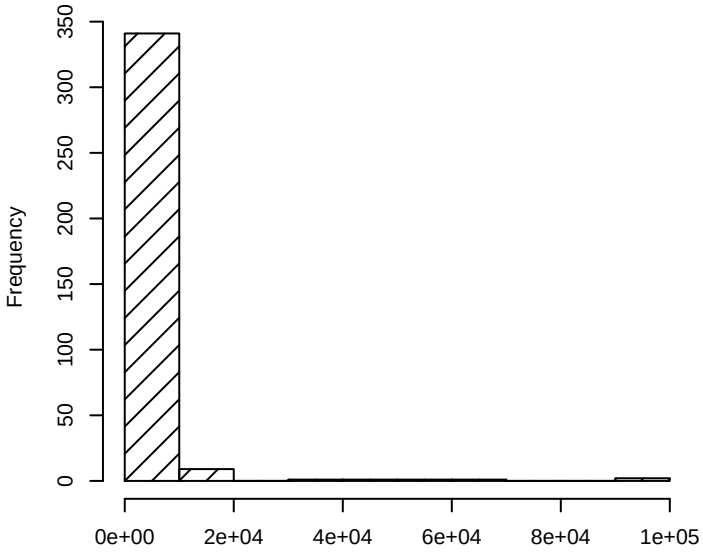

MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)
Frequency
0
20
40
60
8
9
10
11
12
13
log2−scaled data
MAP kinase−activated protein kinase 3


MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)
log2−scaled data
8
9
10
11
12
13
A/A (276)
A/G (69)
G/G (8)
rs12585823 (Chr13:46536291)
Locus 411 top sentinel (tags KORA rs12585823), p=0.074, FC=1.0597

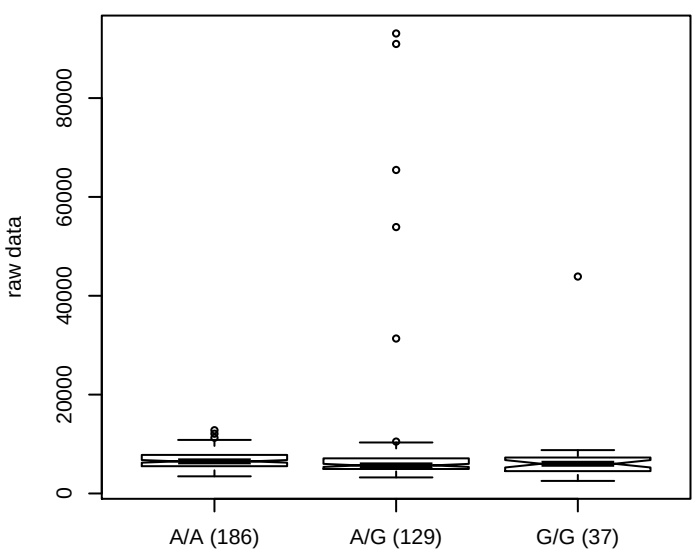

MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
MAP kinase−activated protein kinase 3


MAPKAPK3 (Uniprot: Q16644, ProbeID: 3822−54_2)
invnorm data
−2
−1
0
1
2
A/A (276)
A/G (69)
G/G (8)
rs12585823 (Chr13:46536291)
Locus 411 top sentinel (tags KORA rs12585823), p=0.081

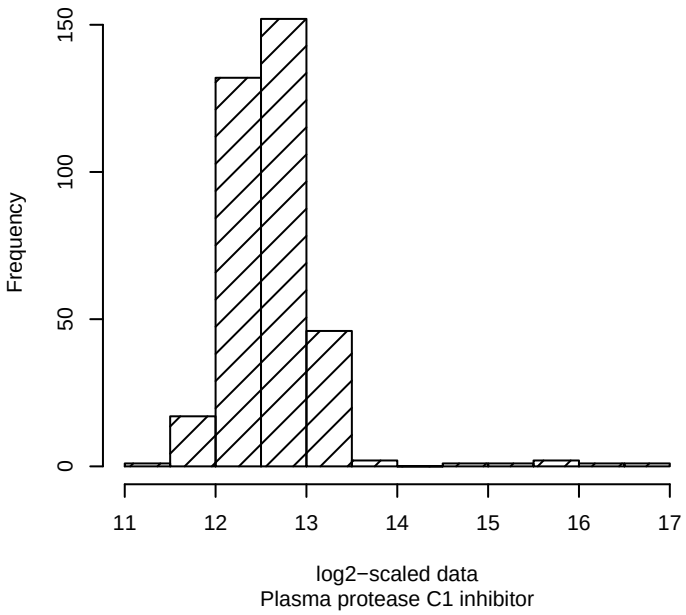
C1−Esterase Inhibitor (Uniprot: P05155, ProbeID: 4479−14



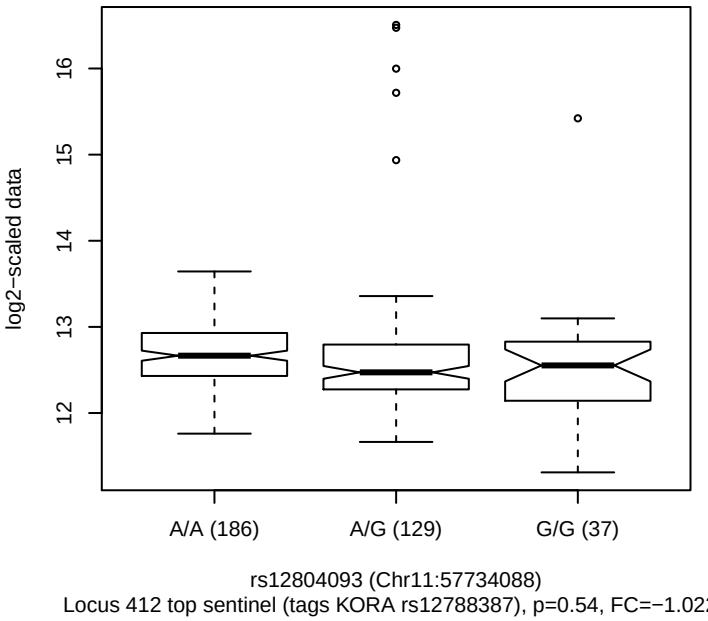
C1−Esterase Inhibitor (Uniprot: P05155, ProbeID: 4479−14



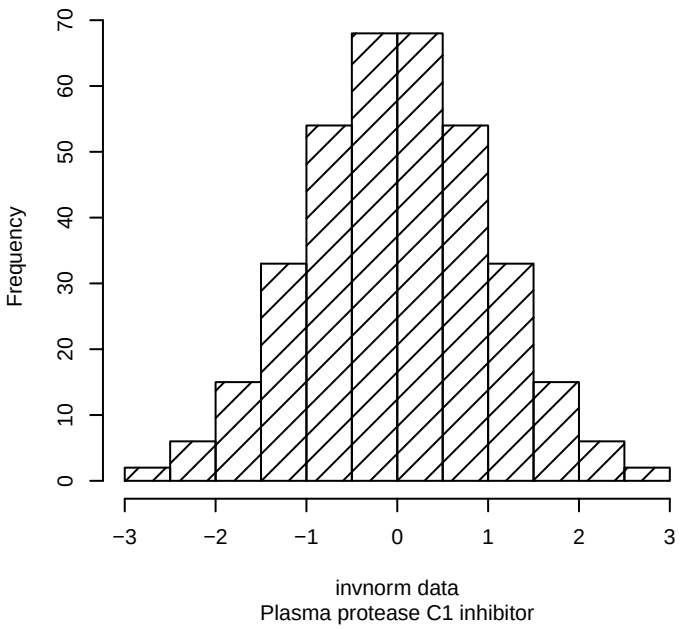
C1−Esterase Inhibitor (Uniprot: P05155, ProbeID: 4479−14



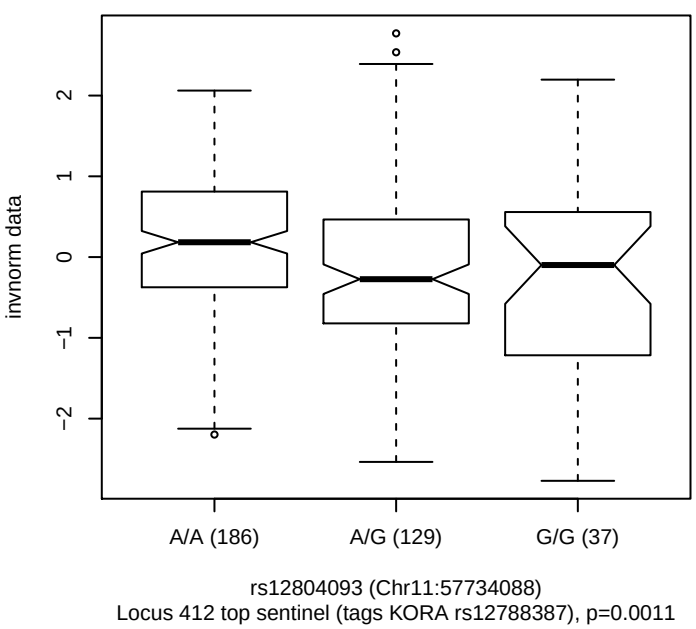
C1−Esterase Inhibitor (Uniprot: P05155, ProbeID: 4479−14



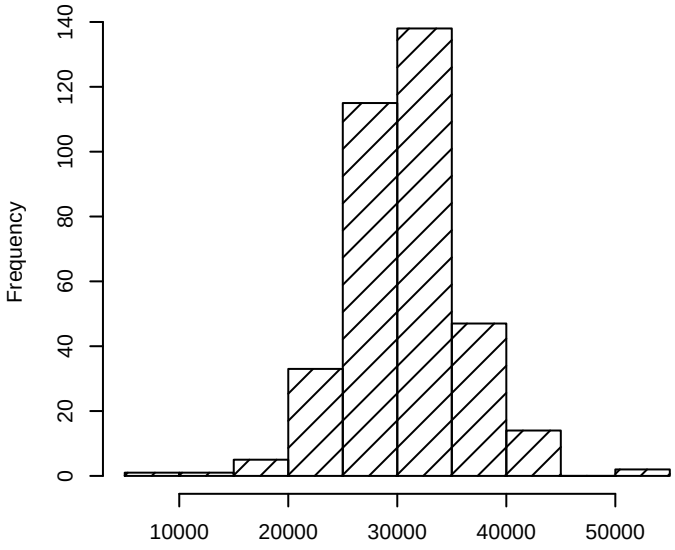
C1−Esterase Inhibitor (Uniprot: P05155, ProbeID: 4479−14



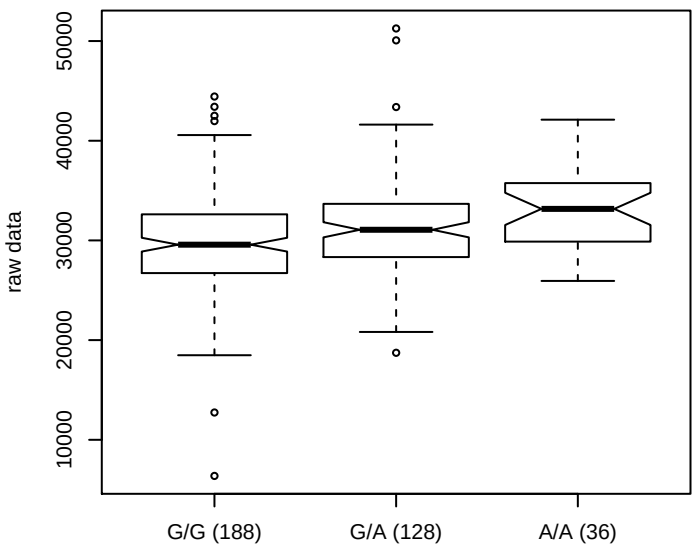
C1−Esterase Inhibitor (Uniprot: P05155, ProbeID: 4479−14



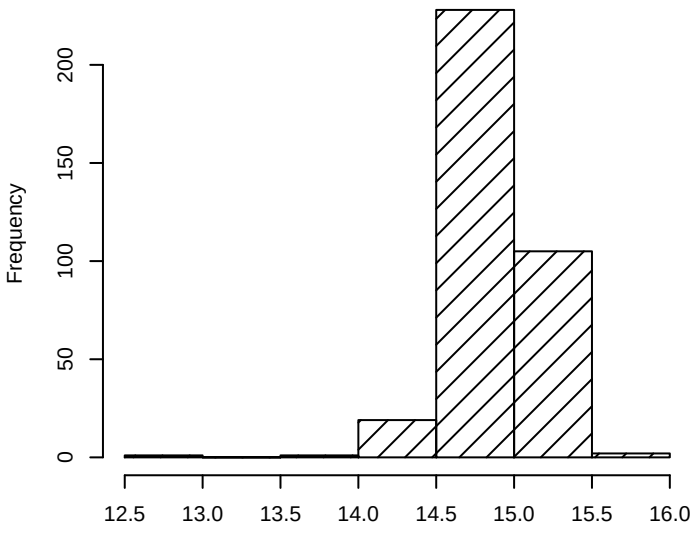
Coagulation Factor V (Uniprot: P12259, ProbeID: 4906−35_



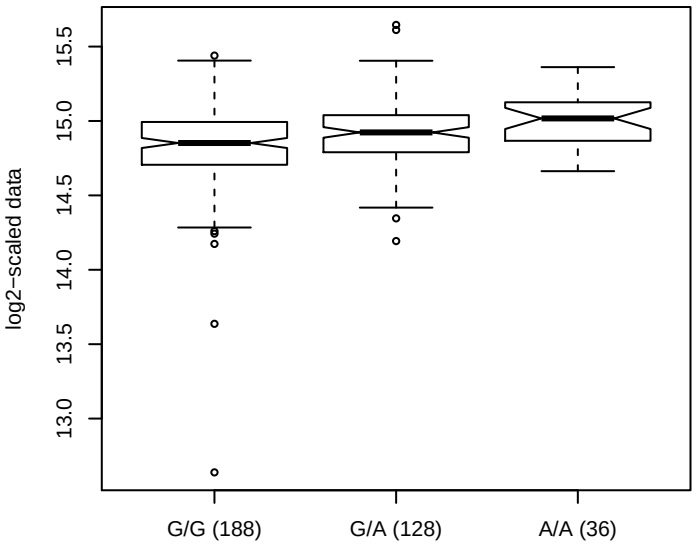
Coagulation Factor V (Uniprot: P12259, ProbeID: 4906−35_



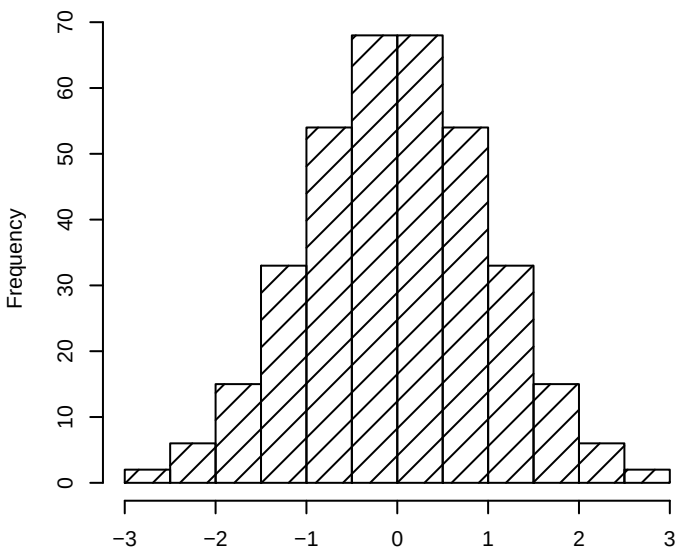
Coagulation Factor V (Uniprot: P12259, ProbeID: 4906−35_



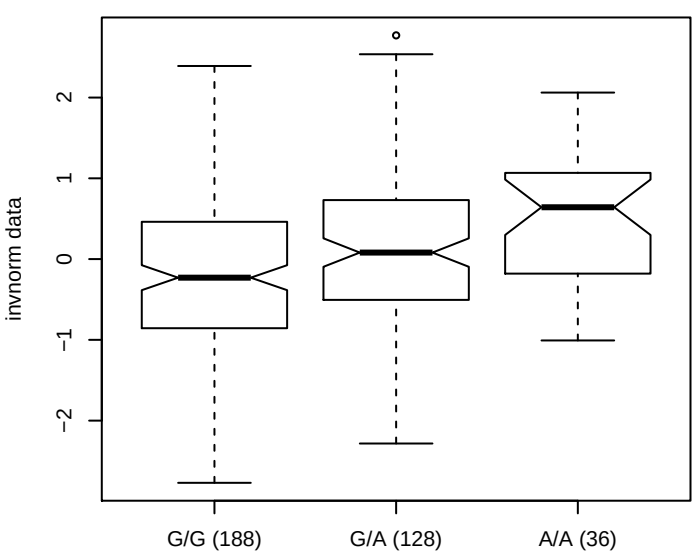
Coagulation Factor V (Uniprot: P12259, ProbeID: 4906−35_

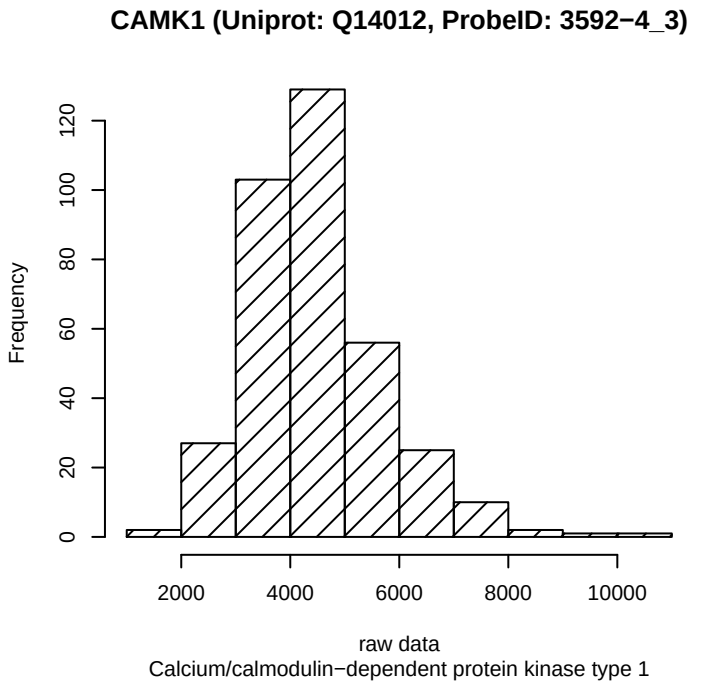


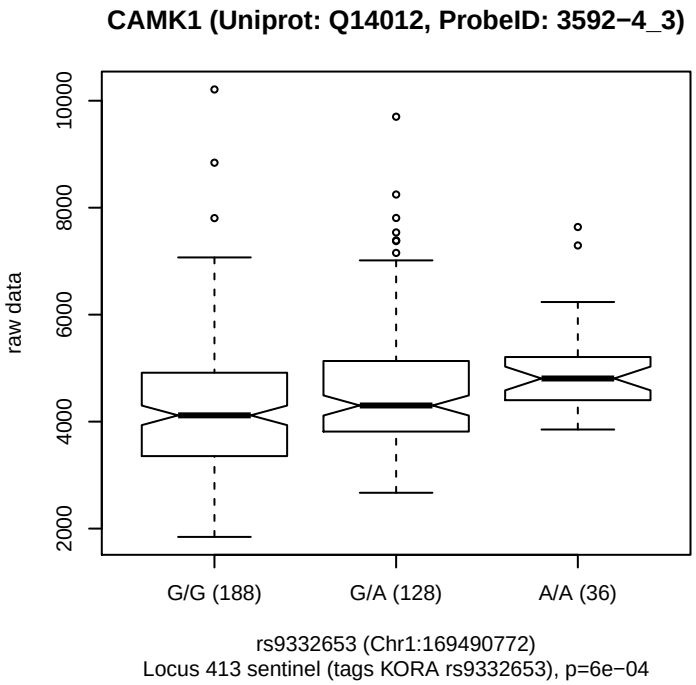
Coagulation Factor V (Uniprot: P12259, ProbeID: 4906−35_

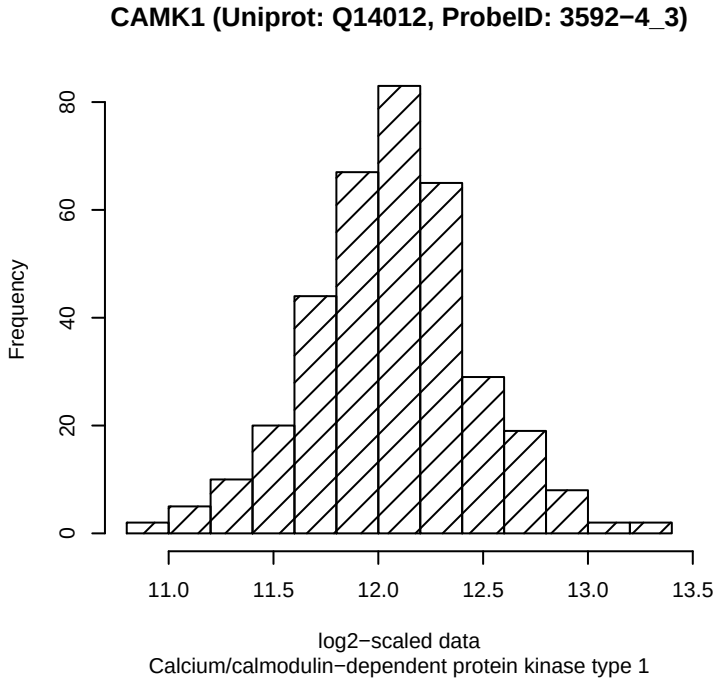


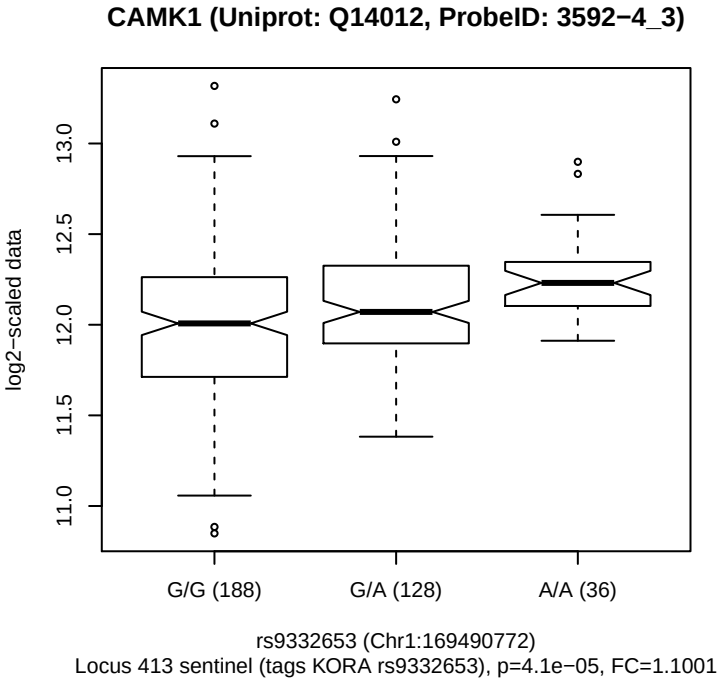
Coagulation Factor V (Uniprot: P12259, ProbeID: 4906−35_

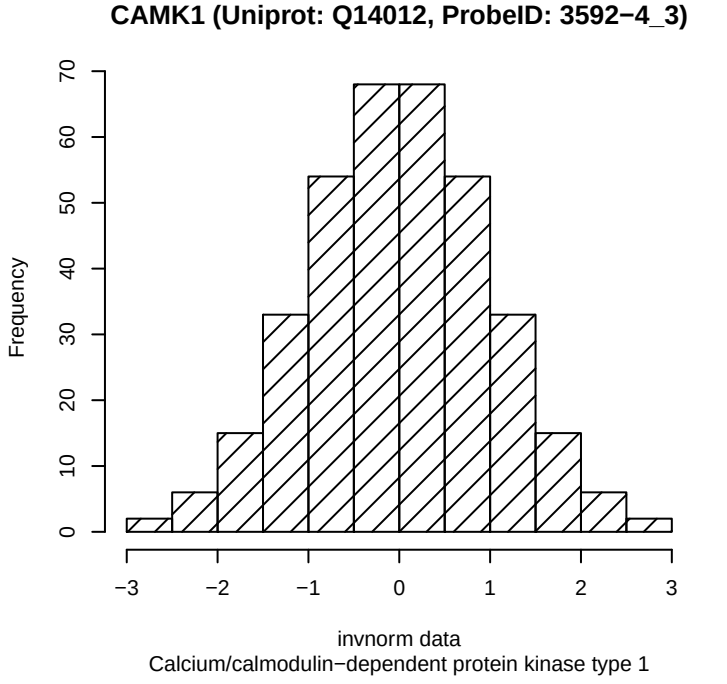


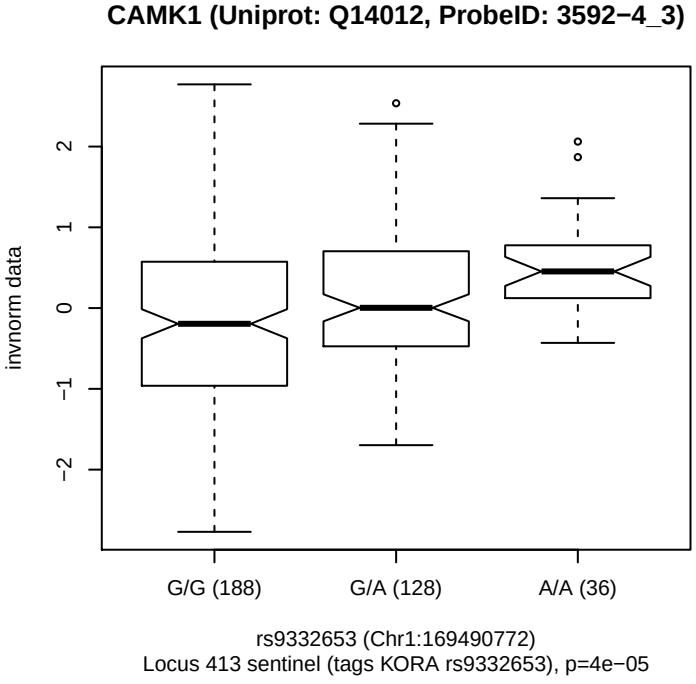

CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)
Frequency
0
20
40
60
80
100
120
2000
4000
6000
8000
10000
raw data
Calcium/calmodulin−dependent protein kinase type 1

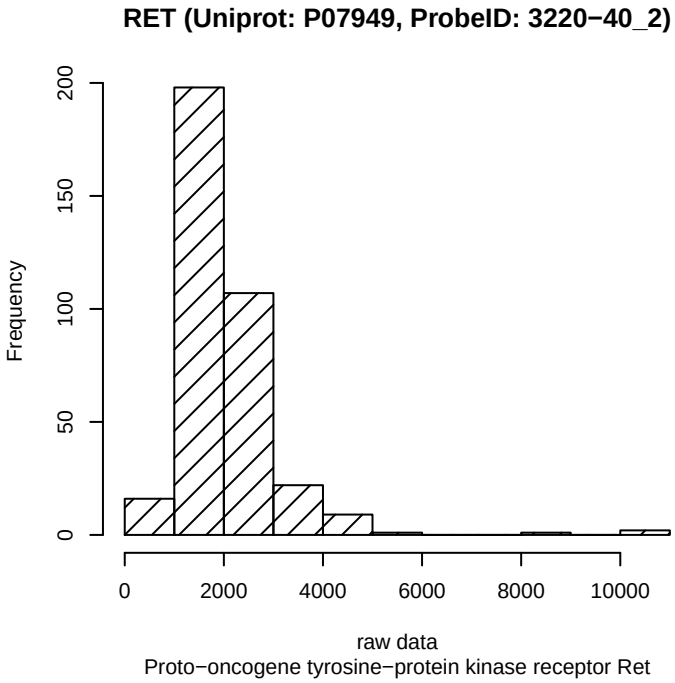

CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)
raw data
2000
4000
6000
8000
10000
G/G (188)
G/A (128)
A/A (36)
rs9332653 (Chr1:169490772)
Locus 413 sentinel (tags KORA rs9332653), p=6e−04

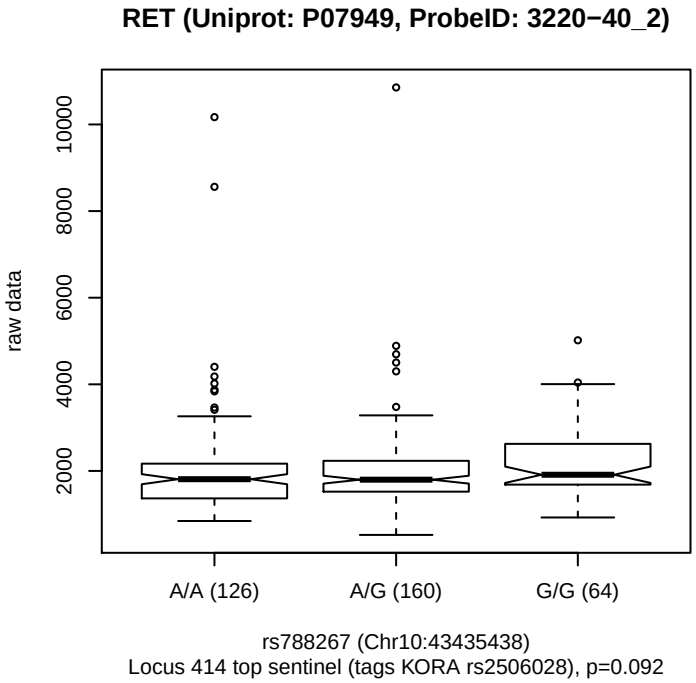

CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)
Frequency
0
20
40
60
80
11.0
11.5
12.0
12.5
13.0
13.5
log2−scaled data
Calcium/calmodulin−dependent protein kinase type 1

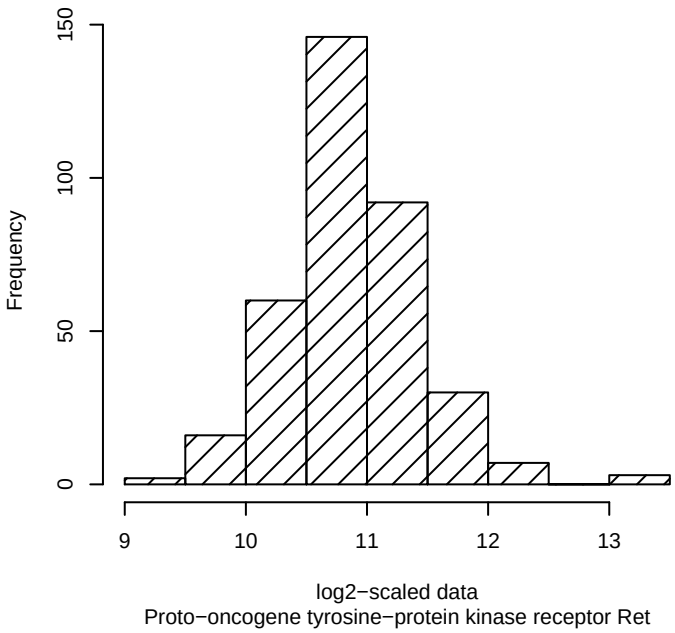

CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)
log2−scaled data
11.0
11.5
12.0
12.5
13.0
G/G (188)
G/A (128)
A/A (36)
rs9332653 (Chr1:169490772)
Locus 413 sentinel (tags KORA rs9332653), p=4.1e−05, FC=1.1001

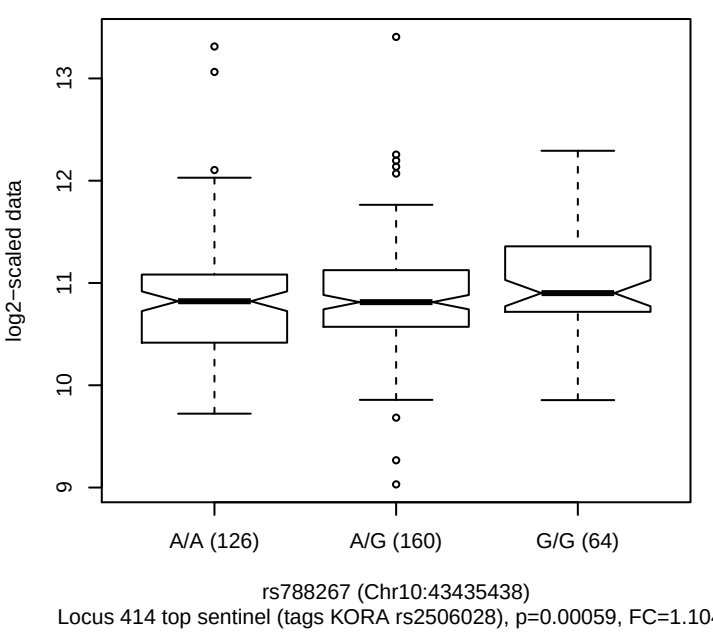

CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Calcium/calmodulin−dependent protein kinase type 1

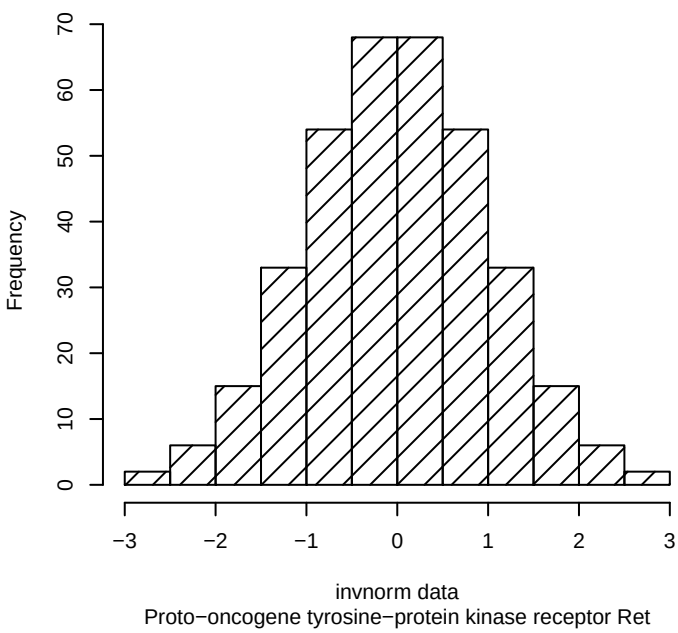

CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)
invnorm data
−2
−1
0
1
2
G/G (188)
G/A (128)
A/A (36)
rs9332653 (Chr1:169490772)
Locus 413 sentinel (tags KORA rs9332653), p=4e−05

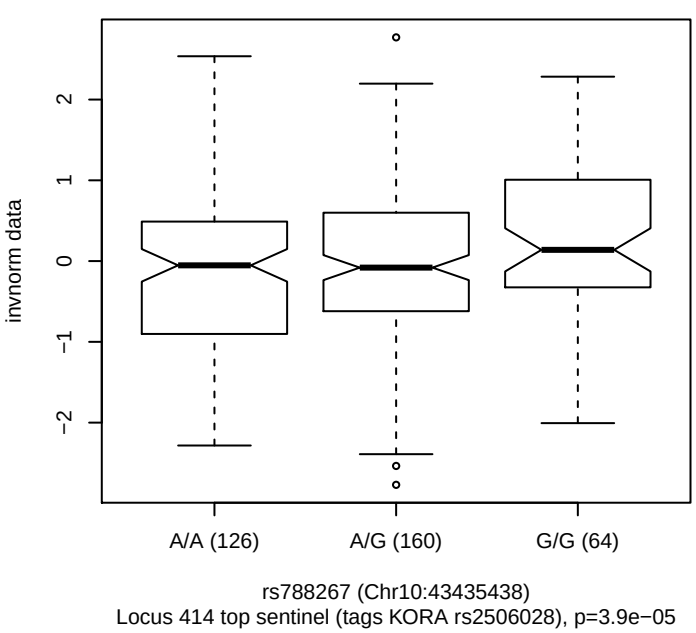

RET (Uniprot: P07949, ProbeID: 3220−40_2)
Frequency
0
50
100
150
200
0
2000
4000
6000
8000
10000
raw data
Proto−oncogene tyrosine−protein kinase receptor Ret

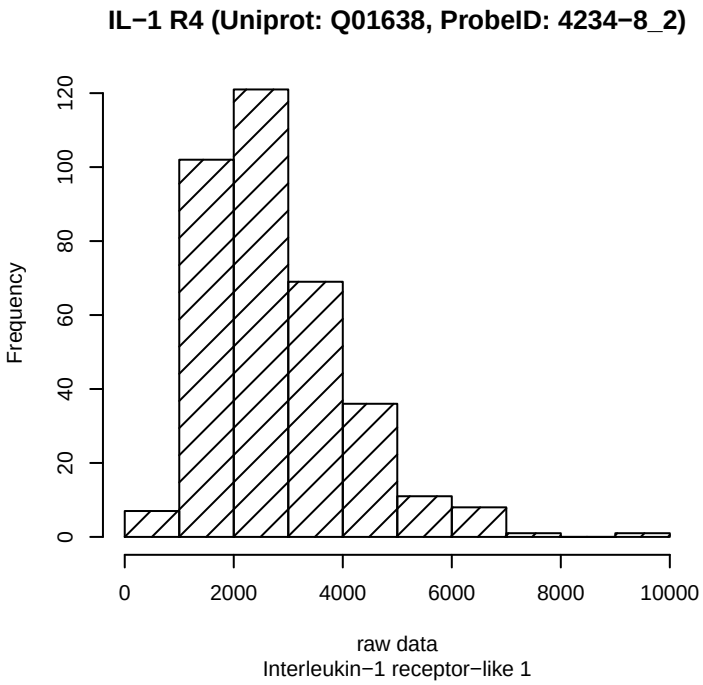

RET (Uniprot: P07949, ProbeID: 3220−40_2)
raw data
2000
4000
6000
8000
10000
A/A (126)
A/G (160)
G/G (64)
rs788267 (Chr10:43435438)
Locus 414 top sentinel (tags KORA rs2506028), p=0.092

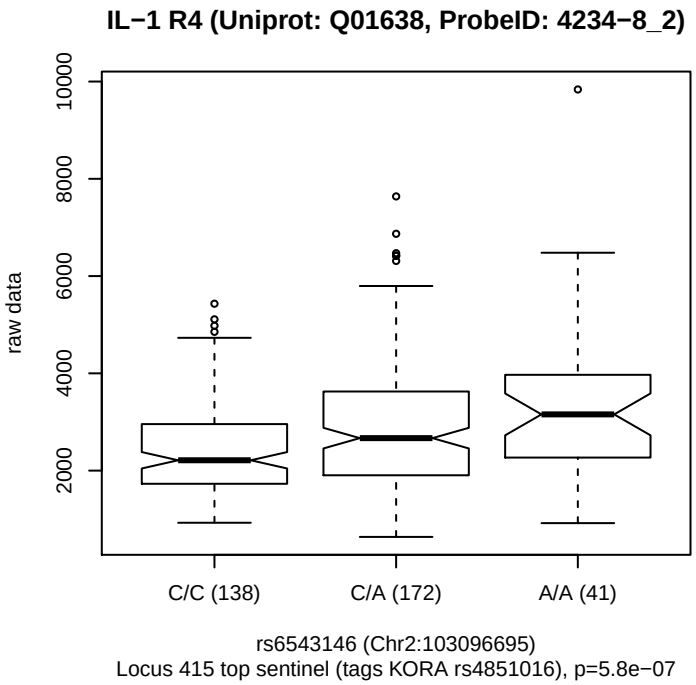

RET (Uniprot: P07949, ProbeID: 3220−40_2)
Frequency
0
50
100
150
9
10
11
12
13
log2−scaled data
Proto−oncogene tyrosine−protein kinase receptor Ret

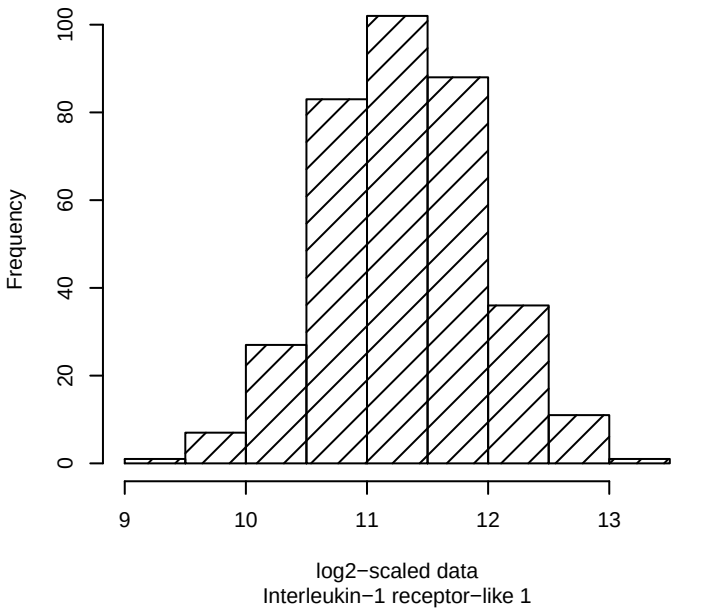

RET (Uniprot: P07949, ProbeID: 3220−40_2)
log2−scaled data
9
10
11
12
13
A/A (126)
A/G (160)
G/G (64)
rs788267 (Chr10:43435438)
Locus 414 top sentinel (tags KORA rs2506028), p=0.00059, FC=1.1047

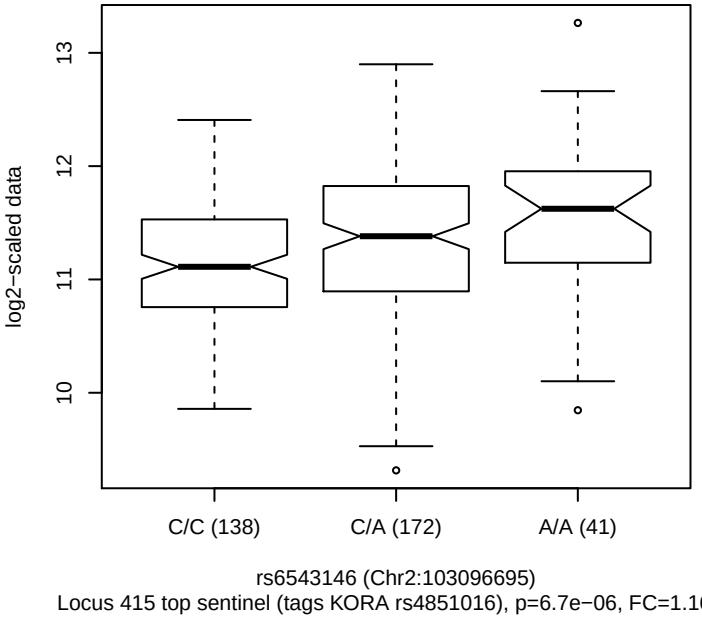

RET (Uniprot: P07949, ProbeID: 3220−40_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Proto−oncogene tyrosine−protein kinase receptor Ret

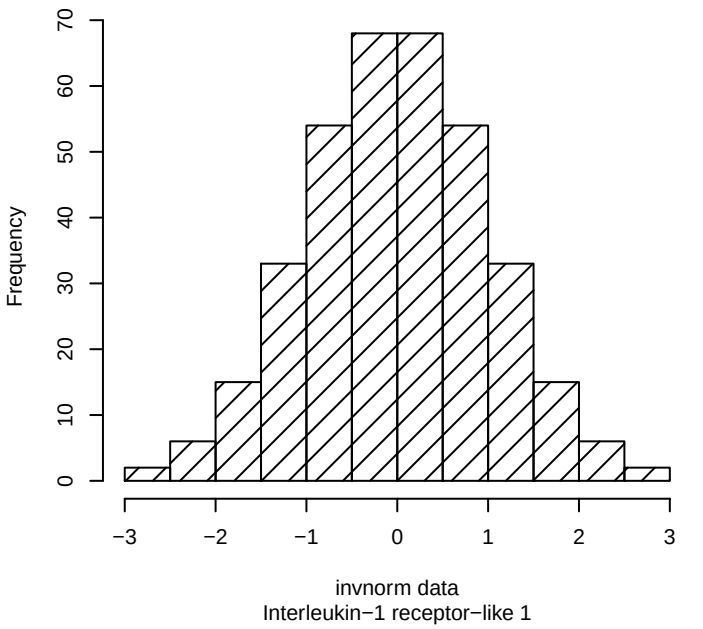

RET (Uniprot: P07949, ProbeID: 3220−40_2)
invnorm data
−2
−1
0
1
2
A/A (126)
A/G (160)
G/G (64)
rs788267 (Chr10:43435438)
Locus 414 top sentinel (tags KORA rs2506028), p=3.9e−05

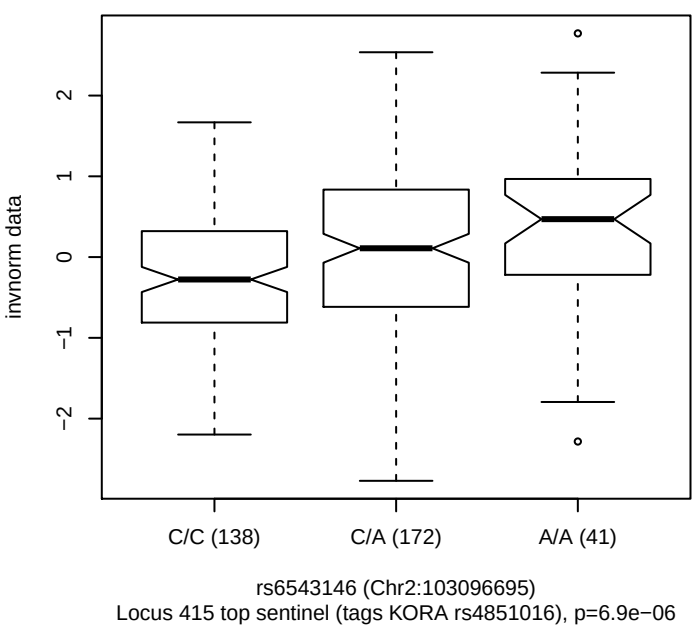

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
Frequency
0
20
40
60
80
100
120
0
2000
4000
6000
8000
10000
raw data
Interleukin−1 receptor−like 1

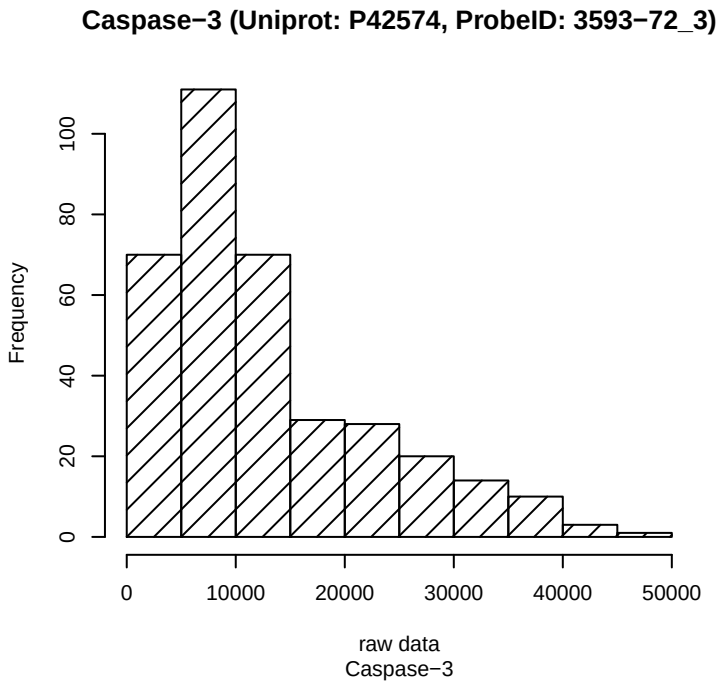

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
raw data
2000
4000
6000
8000
10000
C/C (138)
C/A (172)
A/A (41)
rs6543146 (Chr2:103096695)
Locus 415 top sentinel (tags KORA rs4851016), p=5.8e−07

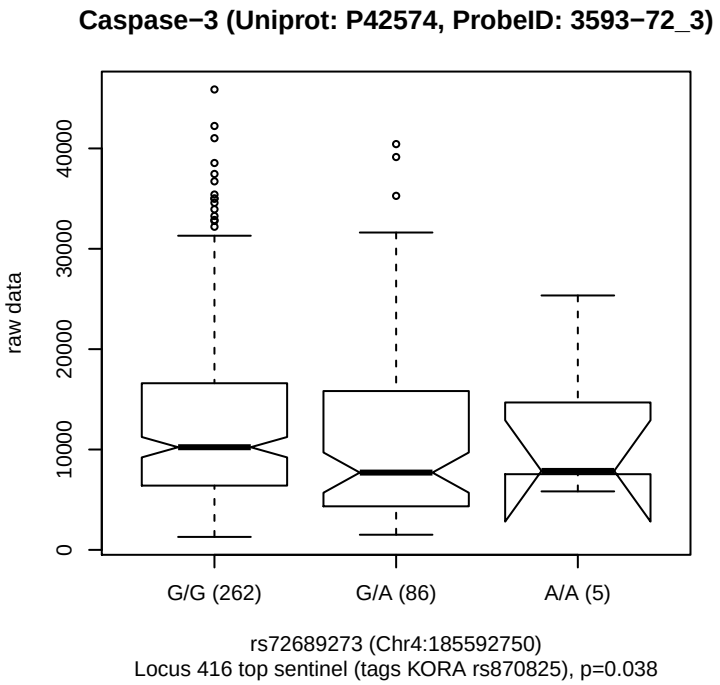

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
Frequency
0
20
40
60
80
100
9
10
11
12
13
log2−scaled data
Interleukin−1 receptor−like 1

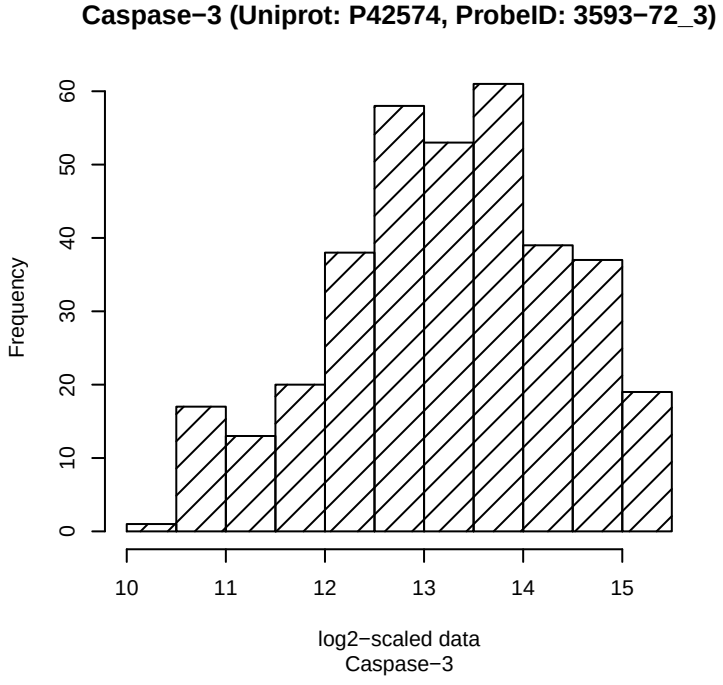

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
log2−scaled data
10
11
12
13
C/C (138)
C/A (172)
A/A (41)
rs6543146 (Chr2:103096695)
Locus 415 top sentinel (tags KORA rs4851016), p=6.7e−06, FC=1.1609

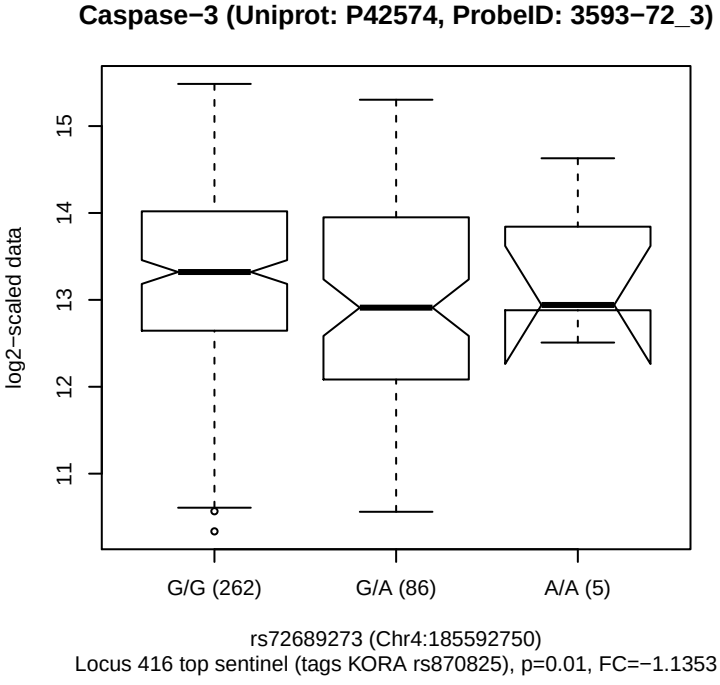

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−1 receptor−like 1

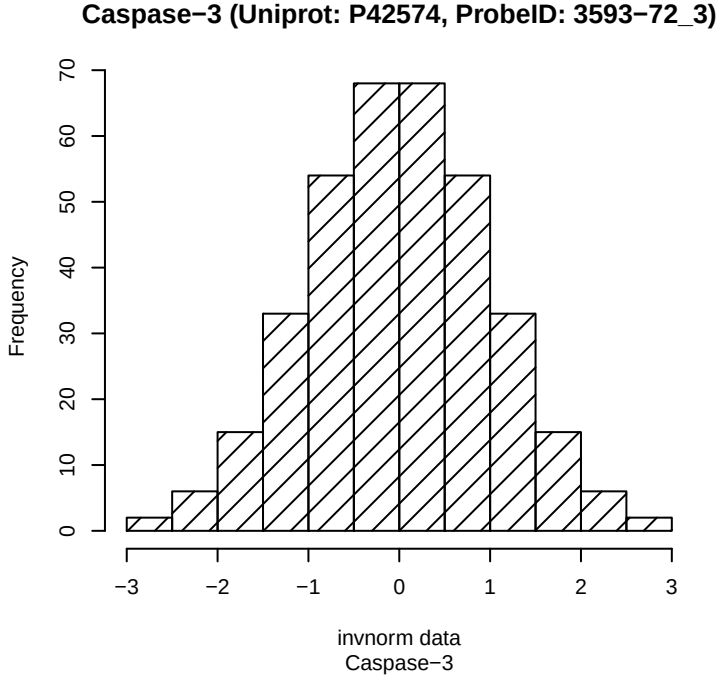

IL−1 R4 (Uniprot: Q01638, ProbeID: 4234−8_2)
invnorm data
−2
−1
0
1
2
C/C (138)
C/A (172)
A/A (41)
rs6543146 (Chr2:103096695)
Locus 415 top sentinel (tags KORA rs4851016), p=6.9e−06

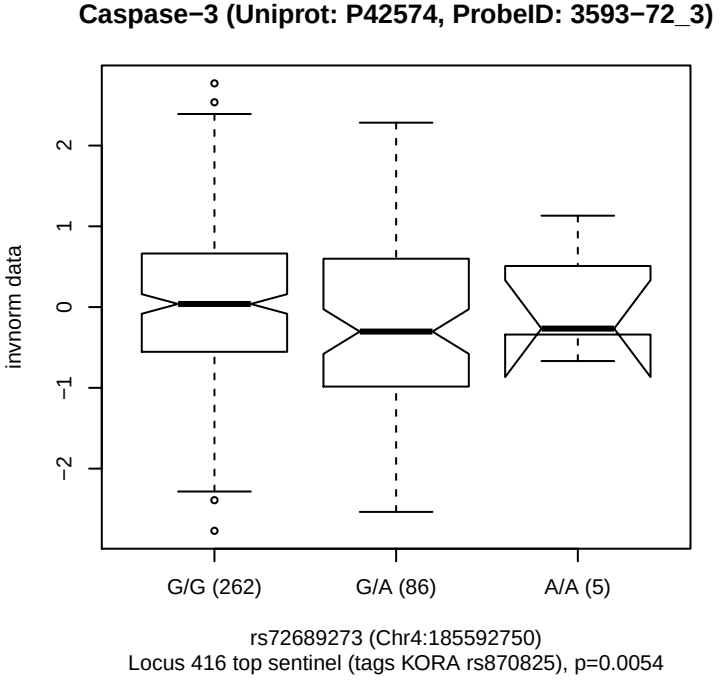

Caspase−3 (Uniprot: P42574, ProbeID: 3593−72_3)
Frequency
0
20
40
60
80
100
0
10000
20000
30000
40000
50000
raw data
Caspase−3

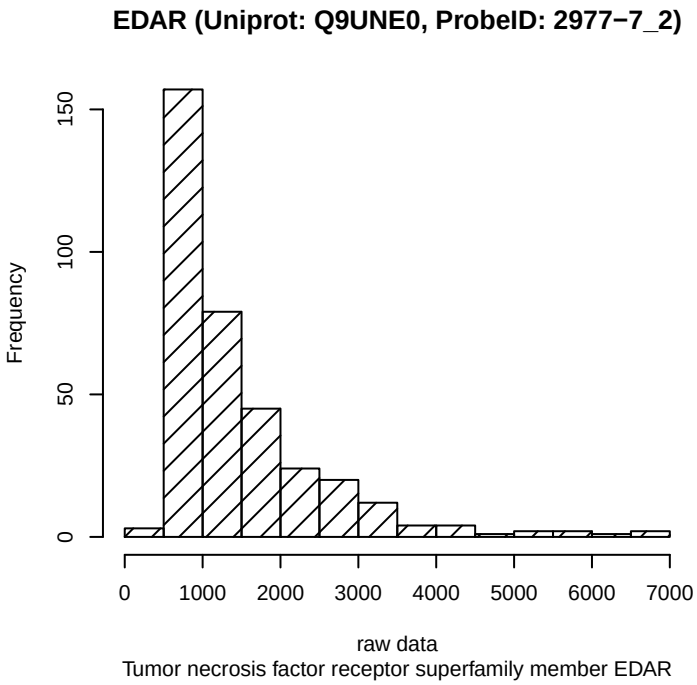

Caspase−3 (Uniprot: P42574, ProbeID: 3593−72_3)
raw data
0
10000
20000
30000
40000
G/G (262)
G/A (86)
A/A (5)
rs72689273 (Chr4:185592750)
Locus 416 top sentinel (tags KORA rs870825), p=0.038

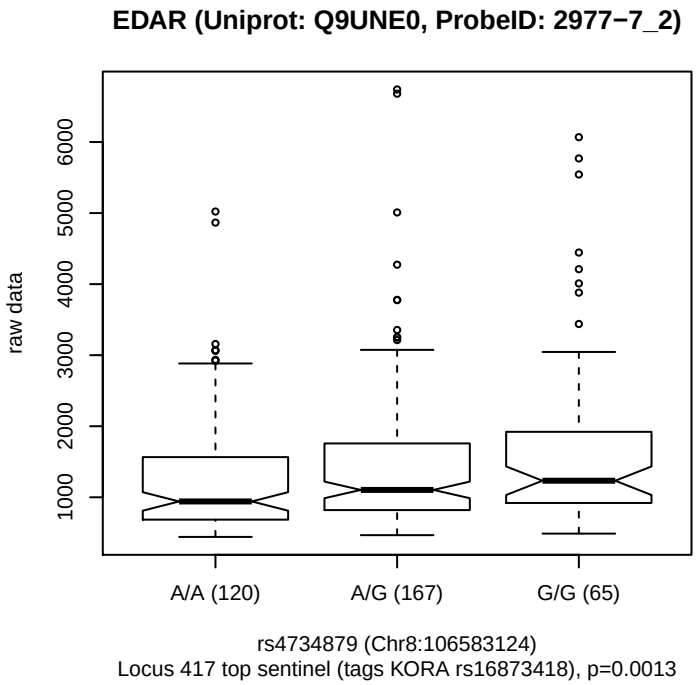

Caspase−3 (Uniprot: P42574, ProbeID: 3593−72_3)
Frequency
0
10
20
30
40
50
60
10
11
12
13
14
15
log2−scaled data
Caspase−3

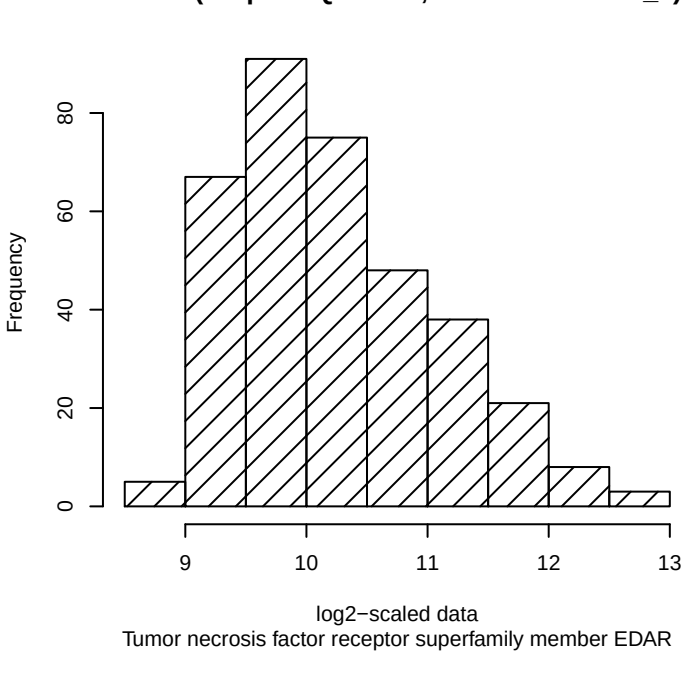

Caspase−3 (Uniprot: P42574, ProbeID: 3593−72_3)
log2−scaled data
11
12
13
14
15
G/G (262)
G/A (86)
A/A (5)
rs72689273 (Chr4:185592750)
Locus 416 top sentinel (tags KORA rs870825), p=0.01, FC=−1.1353

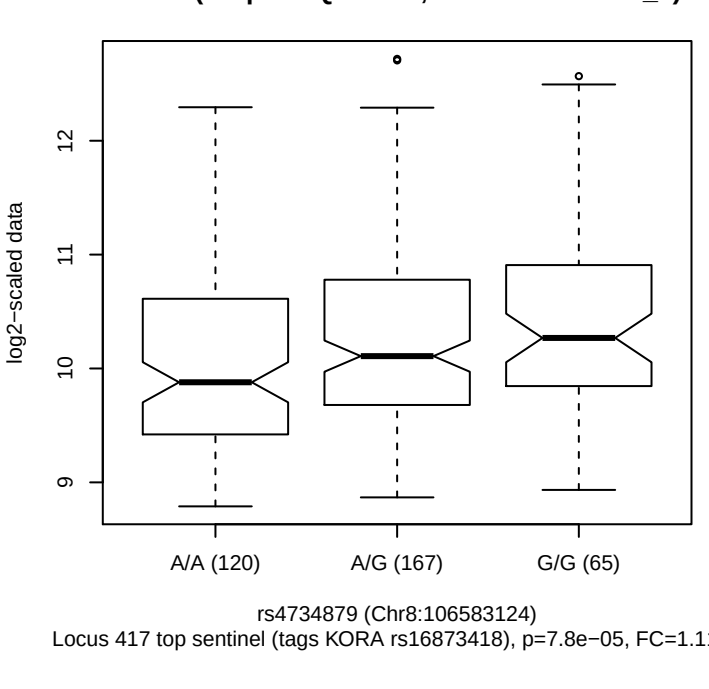

Caspase−3 (Uniprot: P42574, ProbeID: 3593−72_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Caspase−3

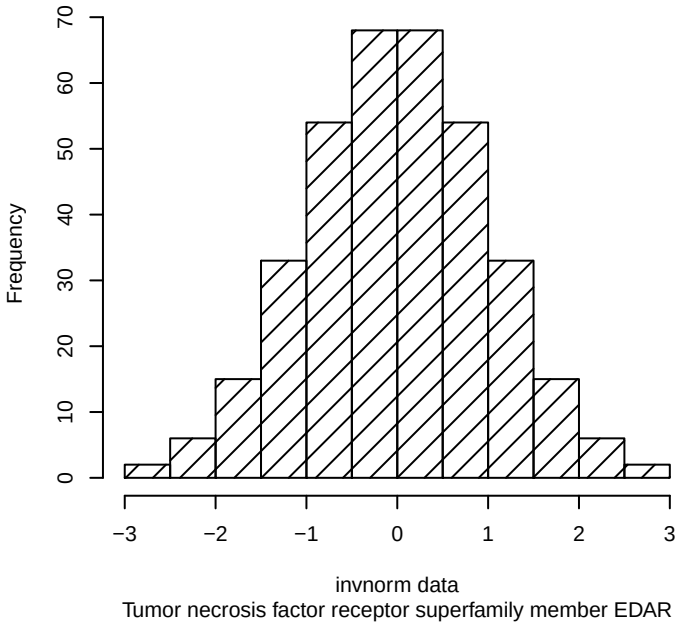

Caspase−3 (Uniprot: P42574, ProbeID: 3593−72_3)
invnorm data
−2
−1
0
1
2
G/G (262)
G/A (86)
A/A (5)
rs72689273 (Chr4:185592750)
Locus 416 top sentinel (tags KORA rs870825), p=0.0054

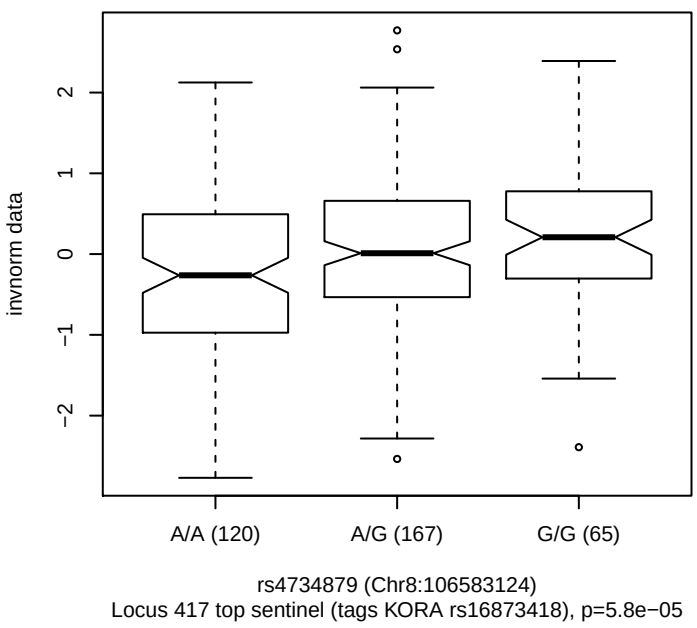

EDAR (Uniprot: Q9UNE0, ProbeID: 2977−7_2)
Frequency
0
50
100
150
0
1000
2000
3000
4000
5000
6000
7000
raw data
Tumor necrosis factor receptor superfamily member EDAR


EDAR (Uniprot: Q9UNE0, ProbeID: 2977−7_2)
raw data
1000
2000
3000
4000
5000
6000
A/A (120)
A/G (167)
G/G (65)
rs4734879 (Chr8:106583124)
Locus 417 top sentinel (tags KORA rs16873418), p=0.0013

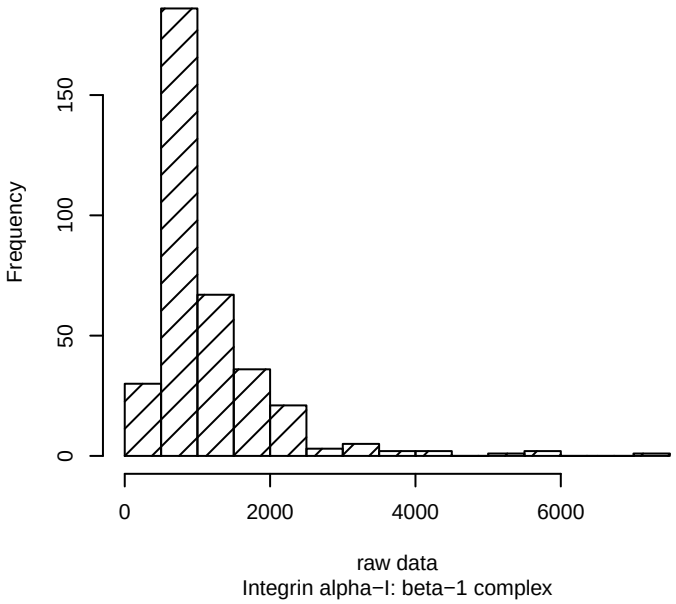

EDAR (Uniprot: Q9UNE0, ProbeID: 2977−7_2)
Frequency
0
20
40
60
80
9
10
11
12
13
log2−scaled data
Tumor necrosis factor receptor superfamily member EDAR


EDAR (Uniprot: Q9UNE0, ProbeID: 2977−7_2)
log2−scaled data
9
10
11
12
A/A (120)
A/G (167)
G/G (65)
rs4734879 (Chr8:106583124)
Locus 417 top sentinel (tags KORA rs16873418), p=7.8e−05, FC=1.1193

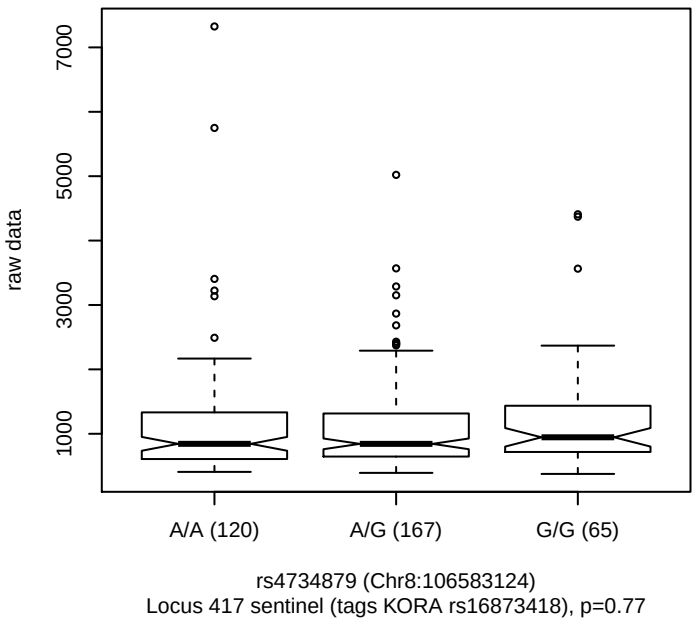

EDAR (Uniprot: Q9UNE0, ProbeID: 2977−7_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Tumor necrosis factor receptor superfamily member EDAR


EDAR (Uniprot: Q9UNE0, ProbeID: 2977−7_2)
invnorm data
−2
−1
0
1
2
A/A (120)
A/G (167)
G/G (65)
rs4734879 (Chr8:106583124)
Locus 417 top sentinel (tags KORA rs16873418), p=5.8e−05

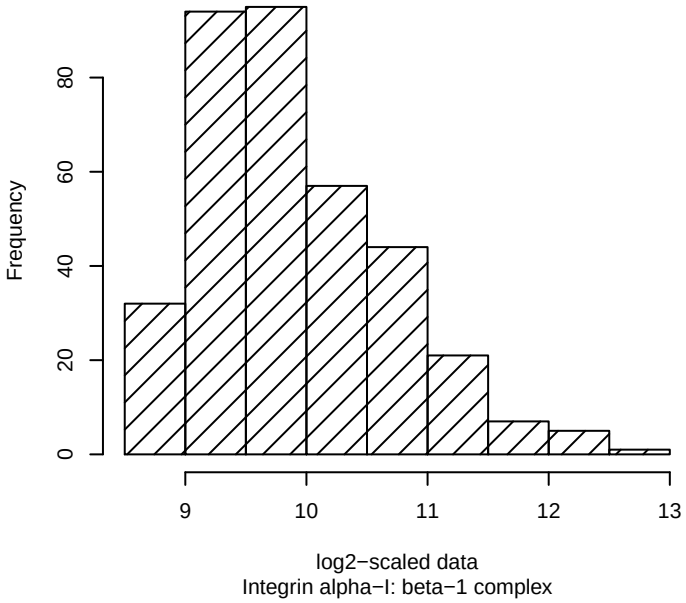
Integrin a1b1 (Uniprot: P56199, P05556, ProbeID: 3503−4_



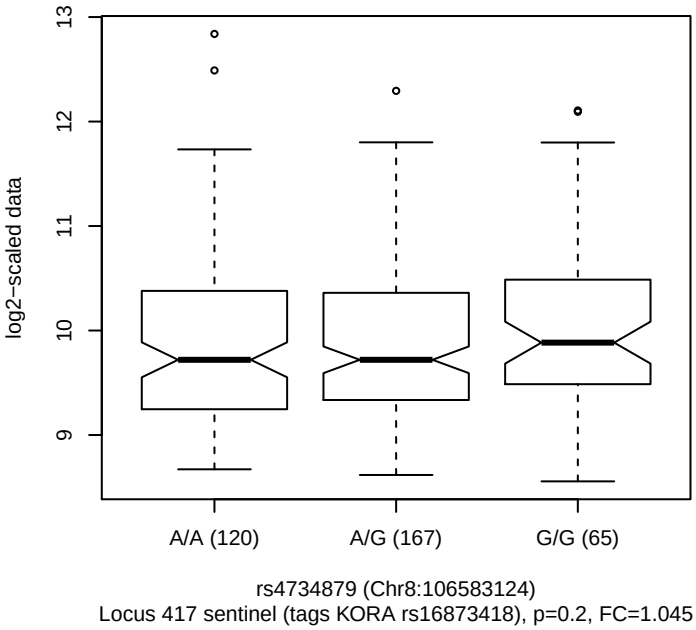
Integrin a1b1 (Uniprot: P56199, P05556, ProbeID: 3503−4_



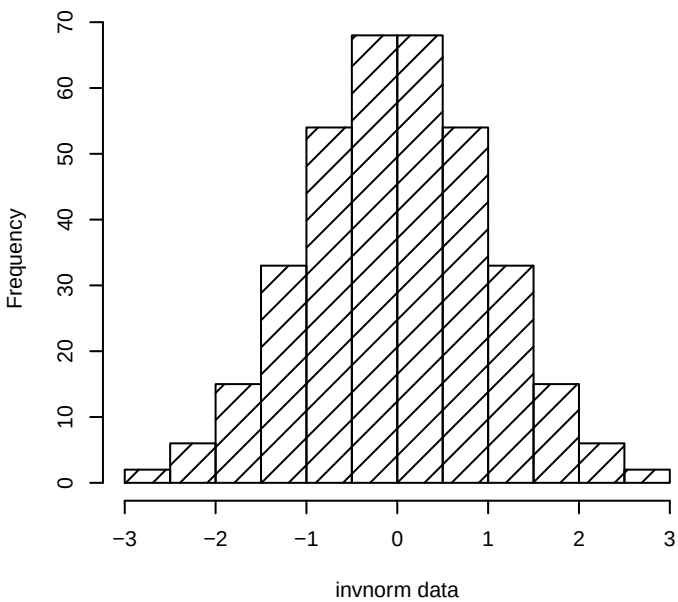
Integrin a1b1 (Uniprot: P56199, P05556, ProbeID: 3503−4_



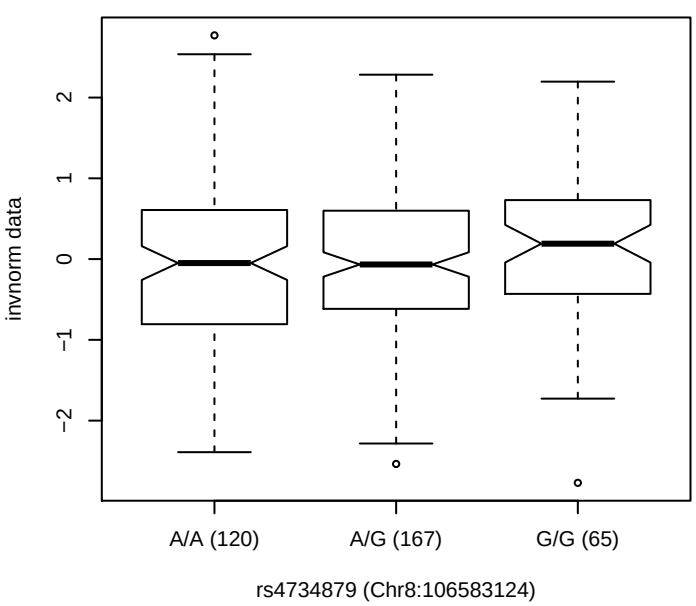
Integrin a1b1 (Uniprot: P56199, P05556, ProbeID: 3503−4_

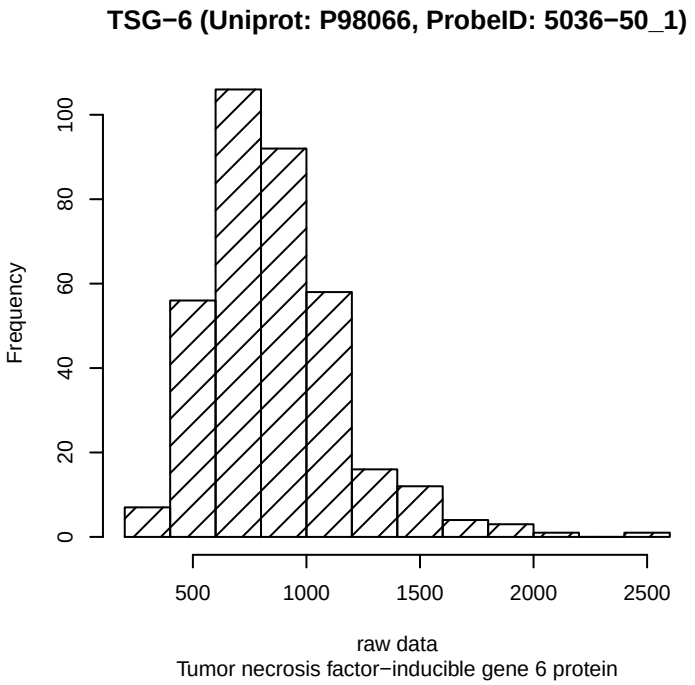


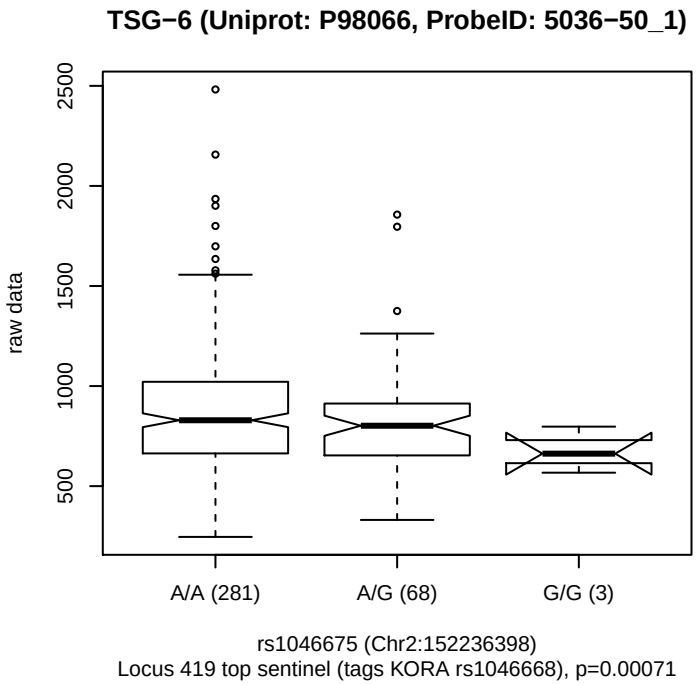
Integrin a1b1 (Uniprot: P56199, P05556, ProbeID: 3503−4_

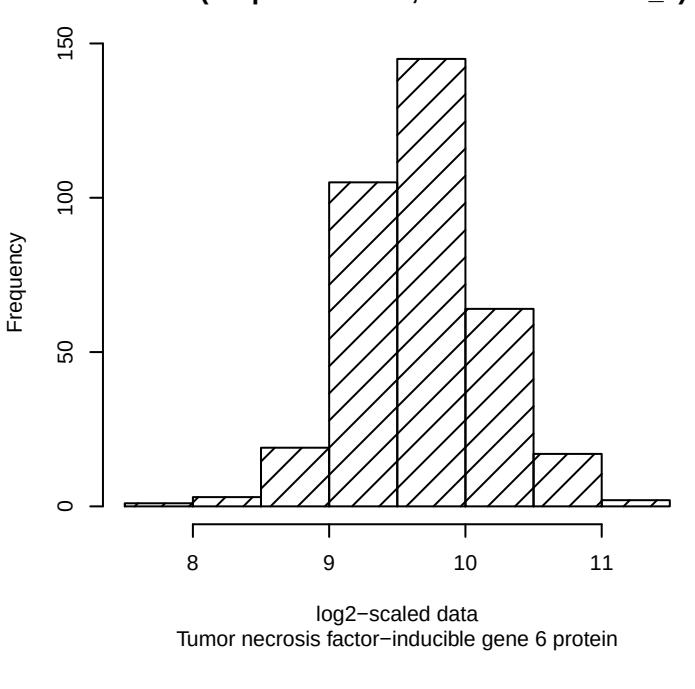


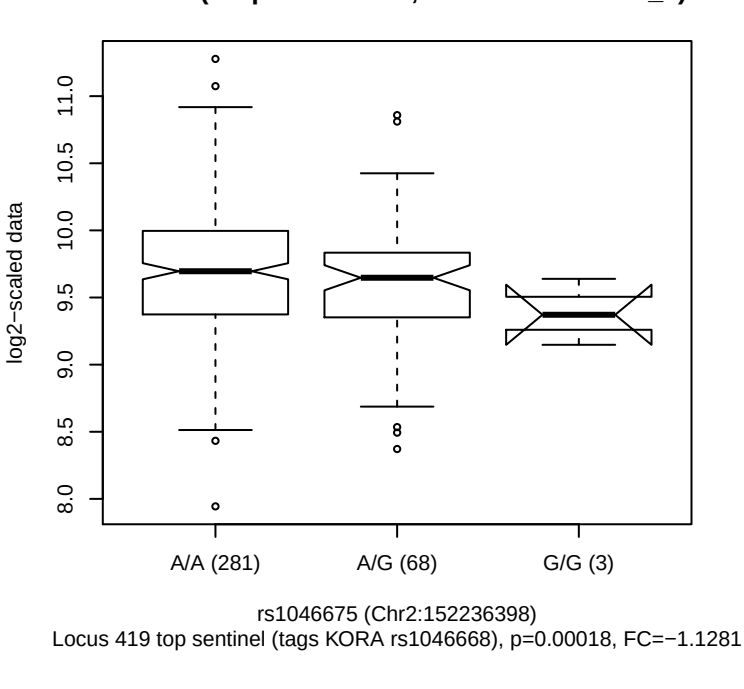
Integrin a1b1 (Uniprot: P56199, P05556, ProbeID: 3503−4_

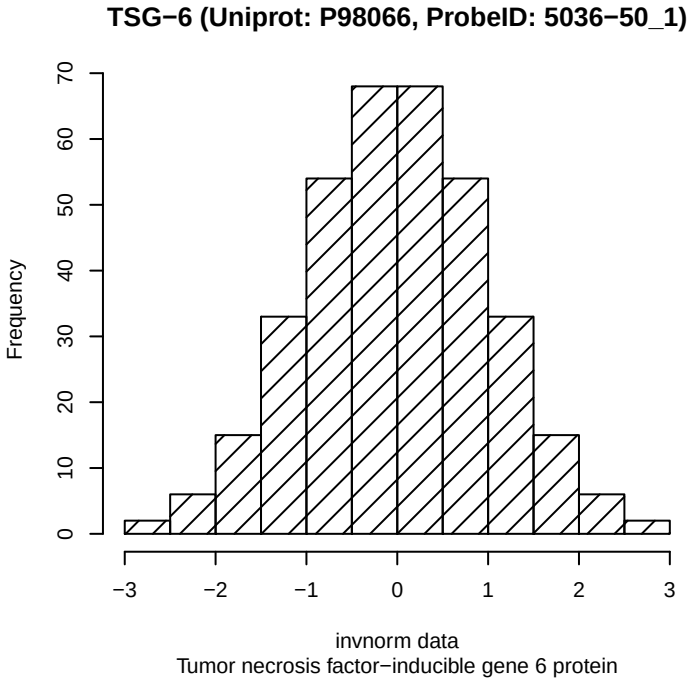


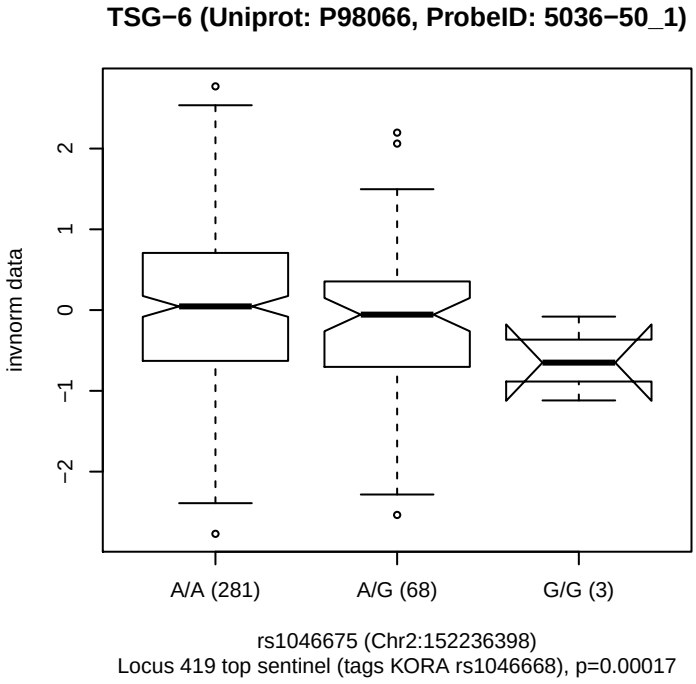

TSG−6 (Uniprot: P98066, ProbeID: 5036−50_1)
Frequency
0
20
40
60
80
100
500
1000
1500
2000
2500
raw data
Tumor necrosis factor−inducible gene 6 protein


TSG−6 (Uniprot: P98066, ProbeID: 5036−50_1)
raw data
500
1000
1500
2000
2500
A/A (281)
A/G (68)
G/G (3)
rs1046675 (Chr2:152236398)
Locus 419 top sentinel (tags KORA rs1046668), p=0.00071

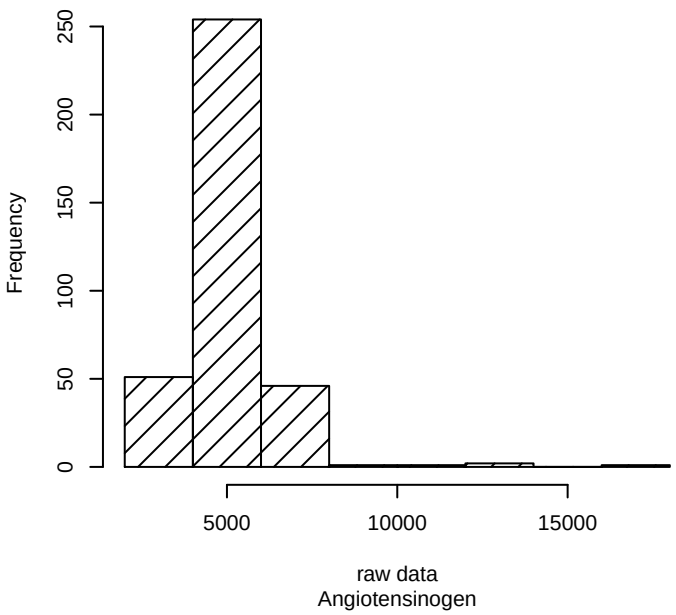

TSG−6 (Uniprot: P98066, ProbeID: 5036−50_1)
Frequency
0
50
100
150
8
9
10
11
log2−scaled data
Tumor necrosis factor−inducible gene 6 protein


TSG−6 (Uniprot: P98066, ProbeID: 5036−50_1)
log2−scaled data
8.0
8.5
9.0
9.5
10.0
10.5
11.0
A/A (281)
A/G (68)
G/G (3)
rs1046675 (Chr2:152236398)
Locus 419 top sentinel (tags KORA rs1046668), p=0.00018, FC=−1.1281

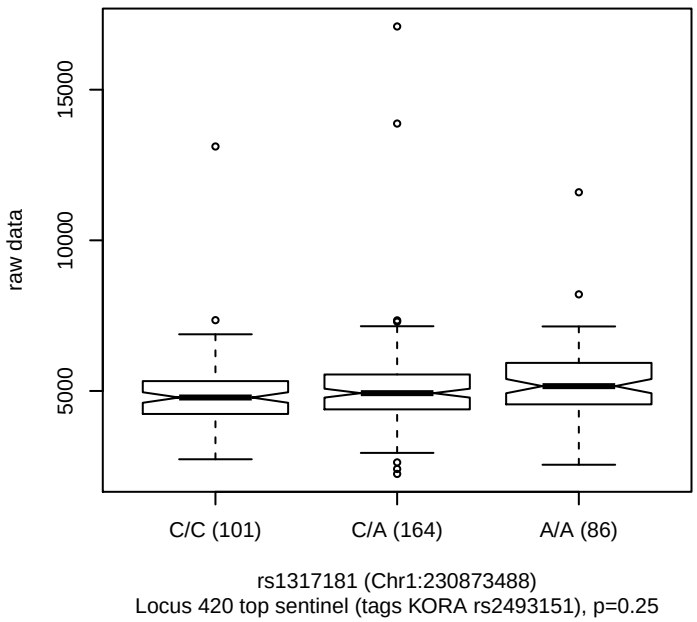

TSG−6 (Uniprot: P98066, ProbeID: 5036−50_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Tumor necrosis factor−inducible gene 6 protein


TSG−6 (Uniprot: P98066, ProbeID: 5036−50_1)
invnorm data
−2
−1
0
1
2
A/A (281)
A/G (68)
G/G (3)
rs1046675 (Chr2:152236398)
Locus 419 top sentinel (tags KORA rs1046668), p=0.00017

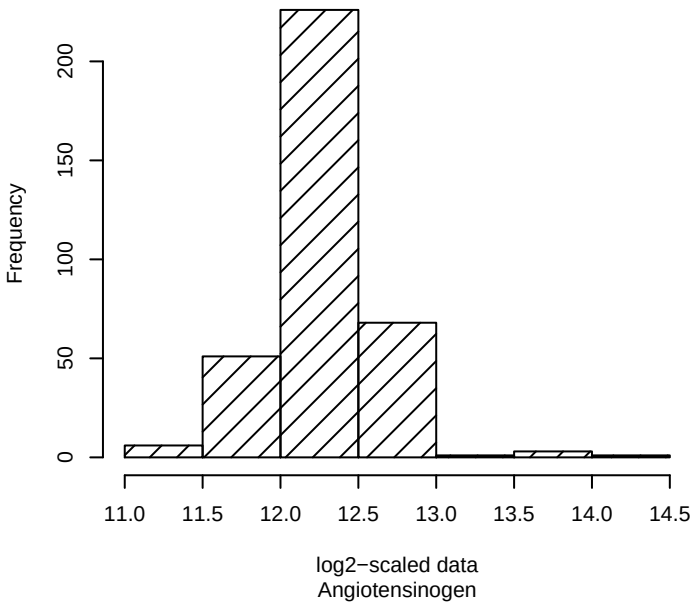
Angiotensinogen (Uniprot: P01019, ProbeID: 3484−60_2



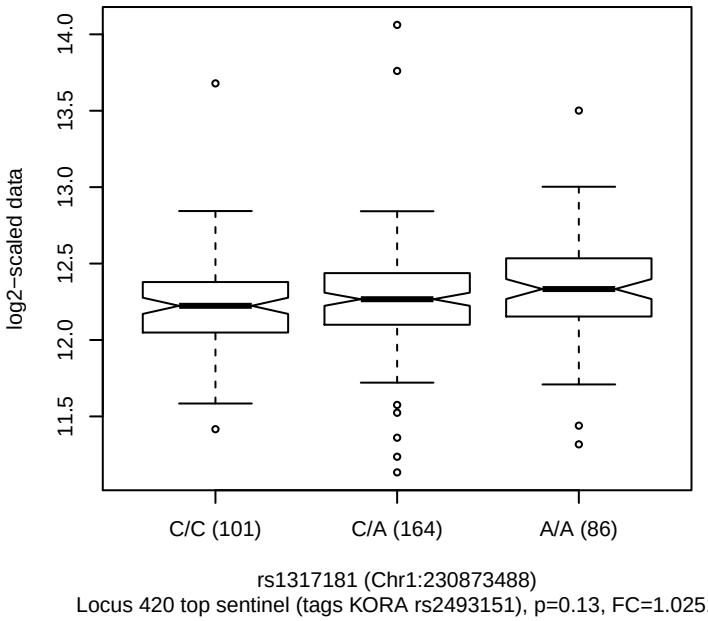
Angiotensinogen (Uniprot: P01019, ProbeID: 3484−60_2



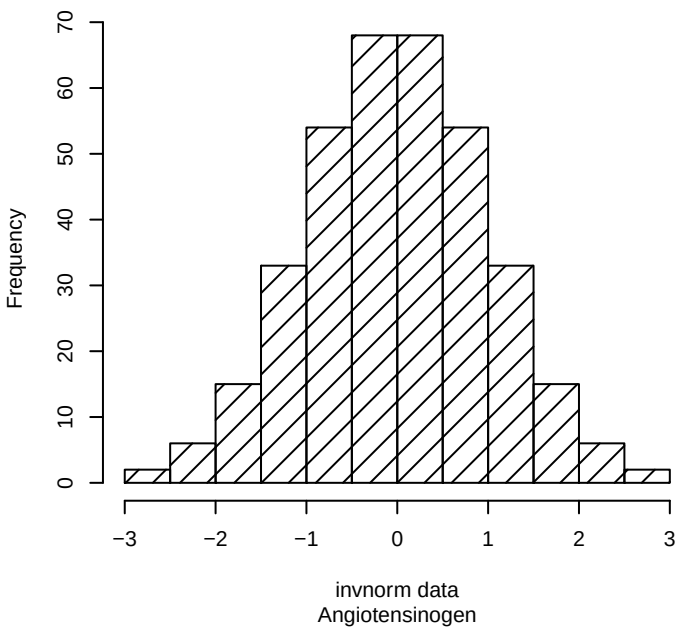
Angiotensinogen (Uniprot: P01019, ProbeID: 3484−60_2



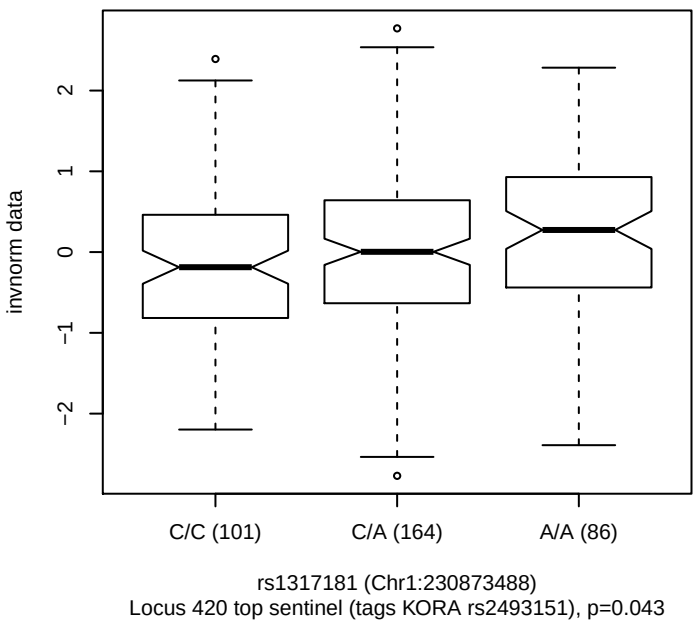
Angiotensinogen (Uniprot: P01019, ProbeID: 3484−60_2

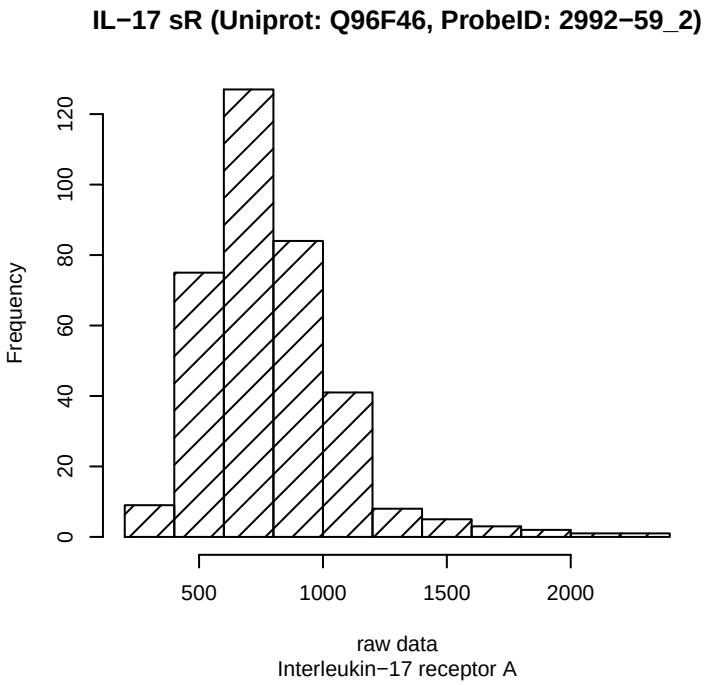


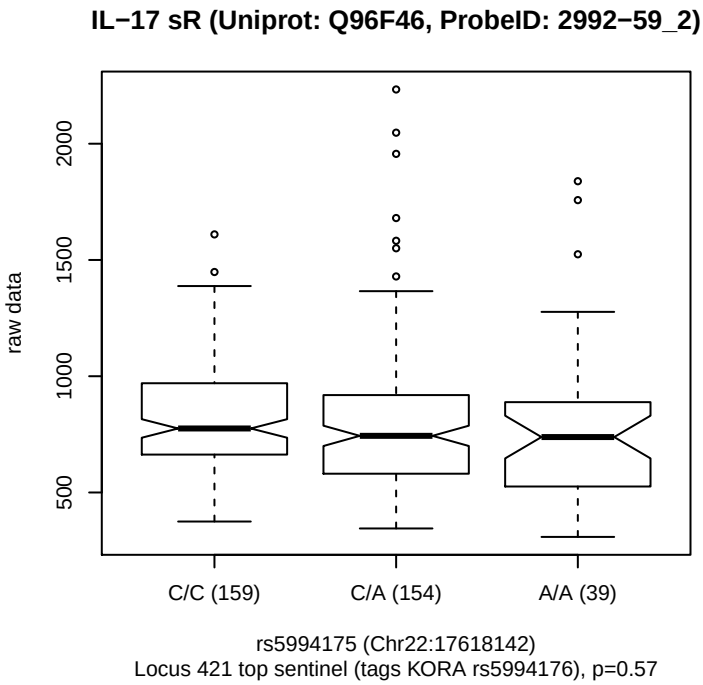
Angiotensinogen (Uniprot: P01019, ProbeID: 3484−60_2

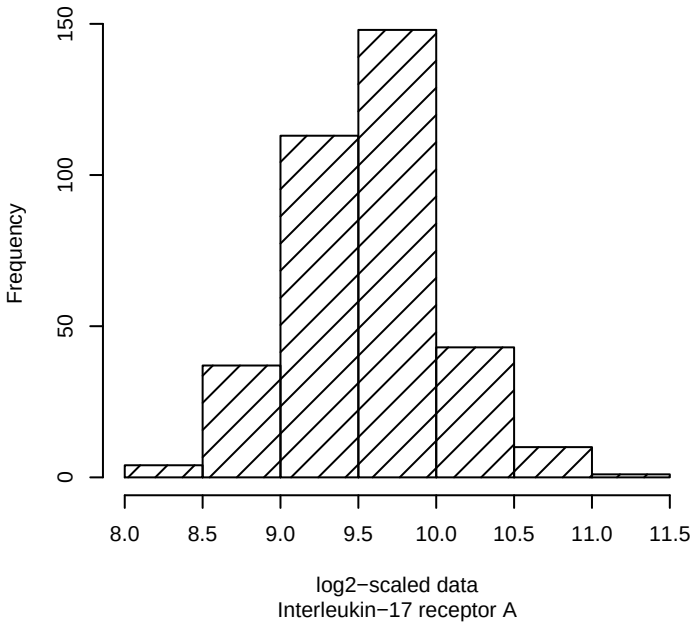


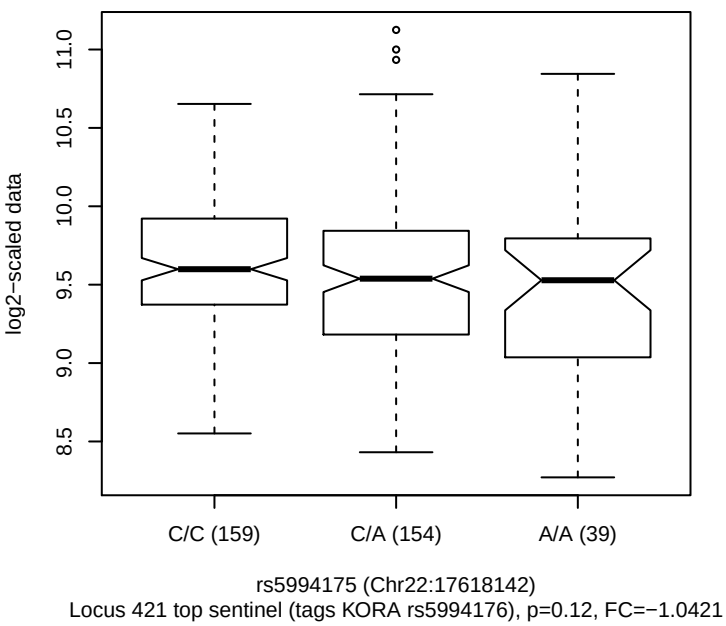
Angiotensinogen (Uniprot: P01019, ProbeID: 3484−60_2

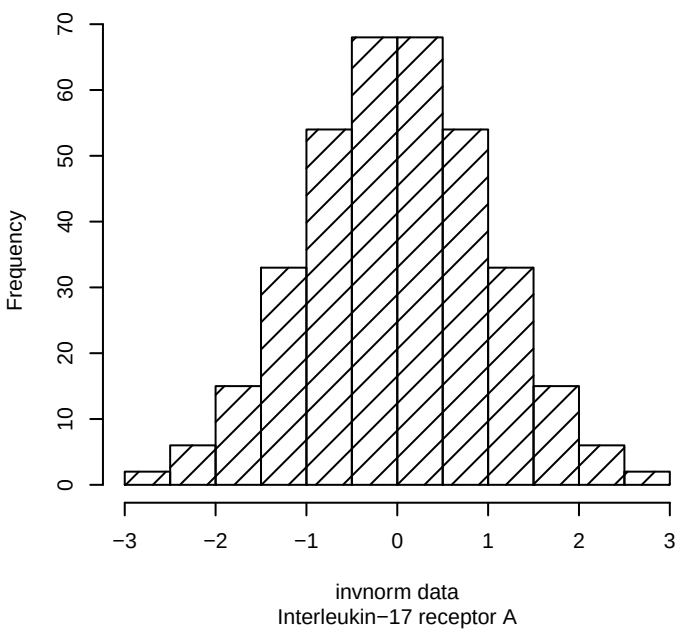


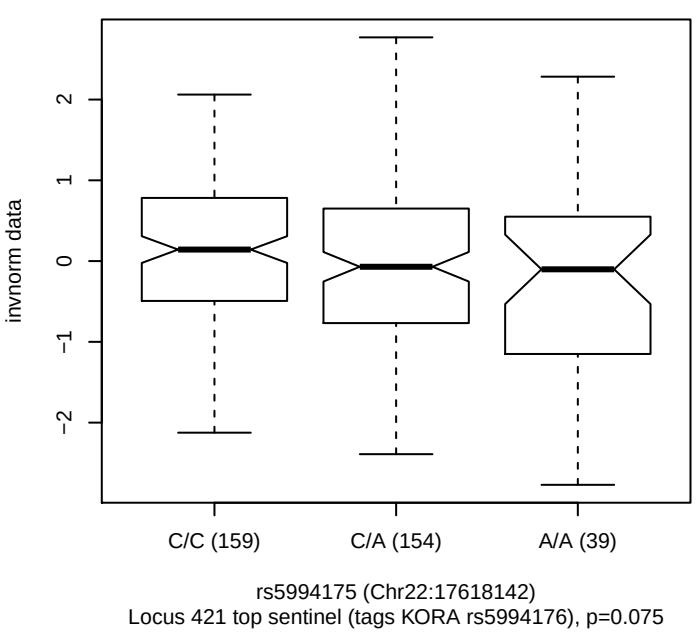

IL−17 sR (Uniprot: Q96F46, ProbeID: 2992−59_2)
Frequency
0
20
40
60
80
100
120
500
1000
1500
2000
raw data
Interleukin−17 receptor A

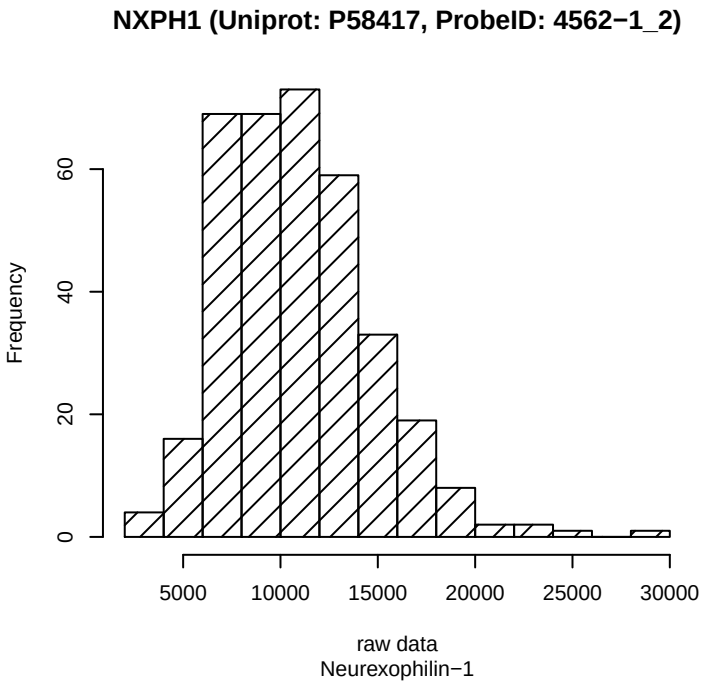

IL−17 sR (Uniprot: Q96F46, ProbeID: 2992−59_2)
raw data
500
1000
1500
2000
C/C (159)
C/A (154)
A/A (39)
rs5994175 (Chr22:17618142)
Locus 421 top sentinel (tags KORA rs5994176), p=0.57

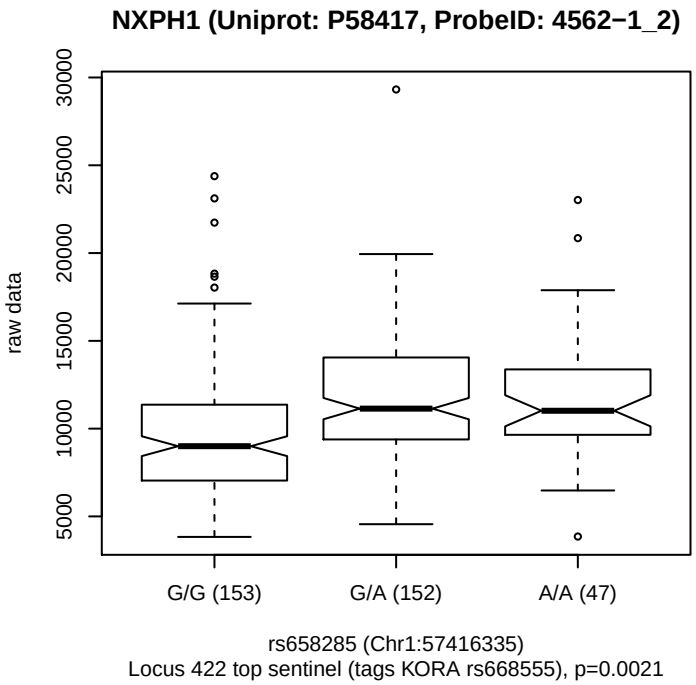

IL−17 sR (Uniprot: Q96F46, ProbeID: 2992−59_2)
Frequency
0
50
100
150
8.0
8.5
9.0
9.5
10.0
10.5
11.0
11.5
log2−scaled data
Interleukin−17 receptor A

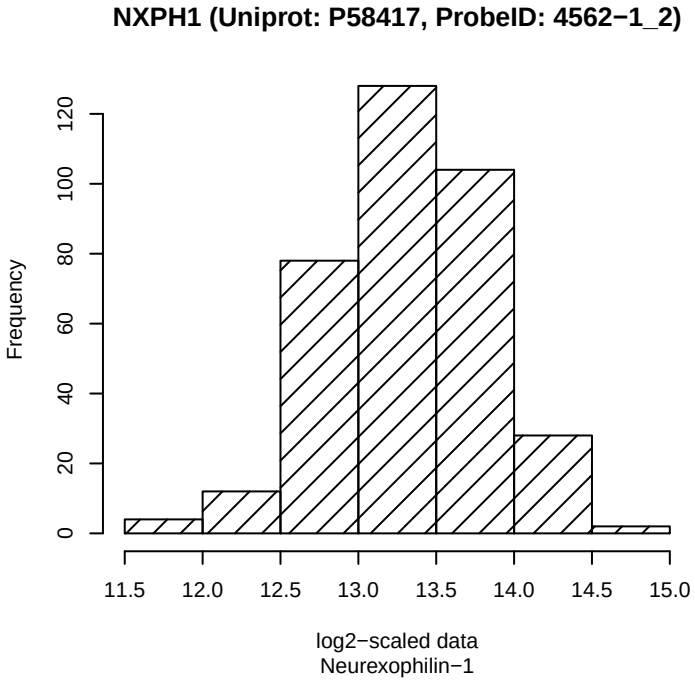

IL−17 sR (Uniprot: Q96F46, ProbeID: 2992−59_2)
log2−scaled data
8.5
9.0
9.5
10.0
10.5
11.0
C/C (159)
C/A (154)
A/A (39)
rs5994175 (Chr22:17618142)
Locus 421 top sentinel (tags KORA rs5994176), p=0.12, FC=−1.0421

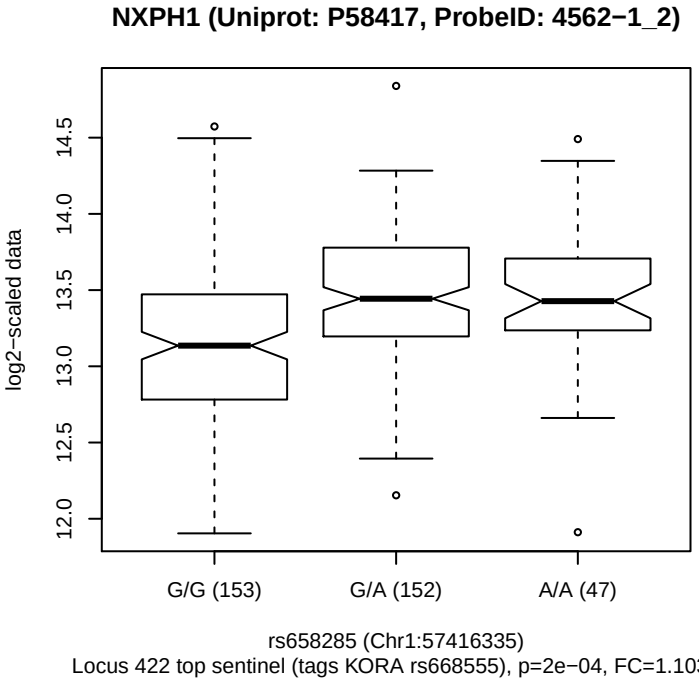

IL−17 sR (Uniprot: Q96F46, ProbeID: 2992−59_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−17 receptor A

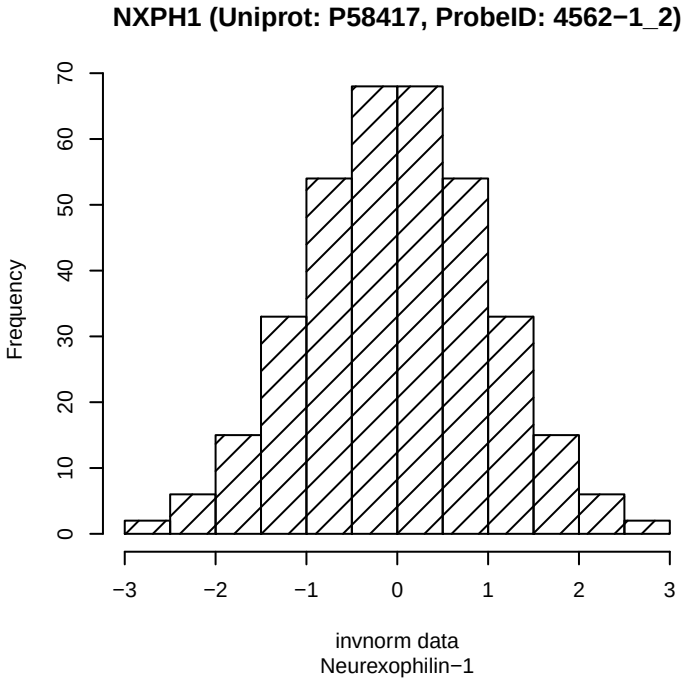

IL−17 sR (Uniprot: Q96F46, ProbeID: 2992−59_2)
invnorm data
−2
−1
0
1
2
C/C (159)
C/A (154)
A/A (39)
rs5994175 (Chr22:17618142)
Locus 421 top sentinel (tags KORA rs5994176), p=0.075

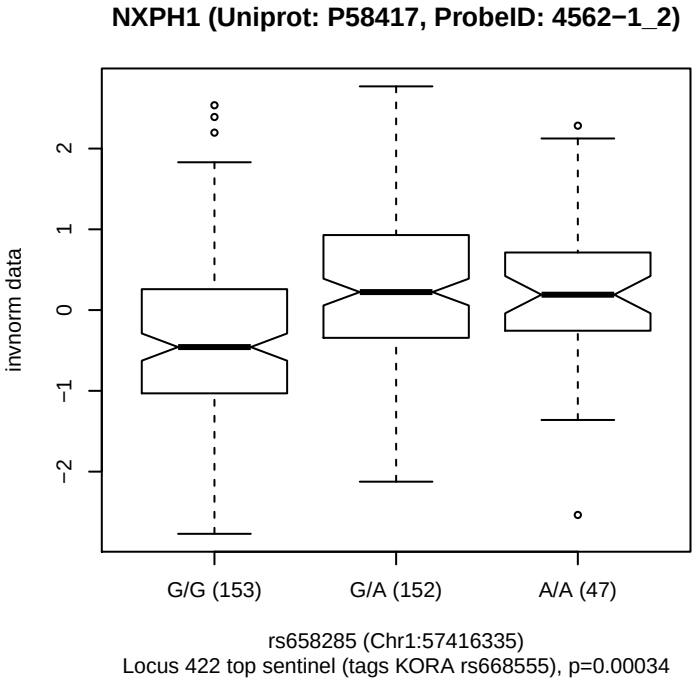

NXPH1 (Uniprot: P58417, ProbeID: 4562−1_2)
Frequency
0
20
40
60
5000
10000
15000
20000
25000
30000
raw data
Neurexophilin−1

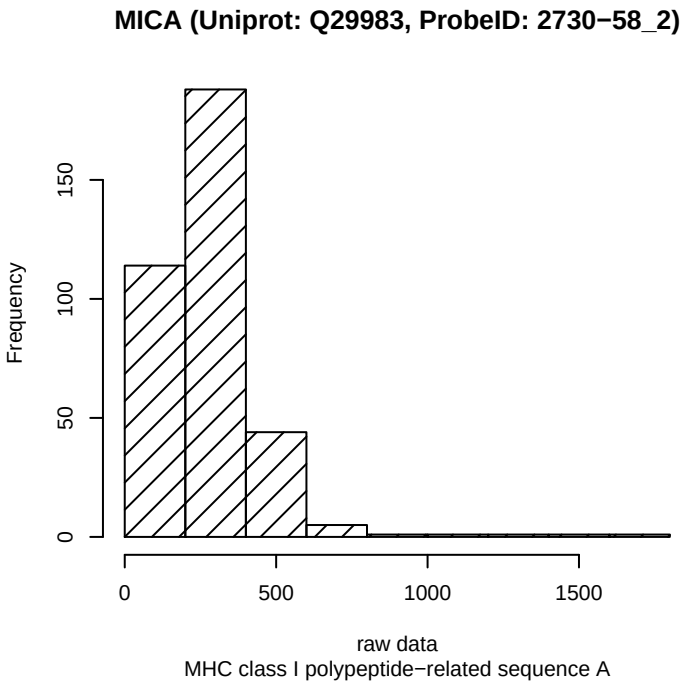

NXPH1 (Uniprot: P58417, ProbeID: 4562−1_2)
raw data
5000
10000
15000
20000
25000
30000
G/G (153)
G/A (152)
A/A (47)
rs658285 (Chr1:57416335)
Locus 422 top sentinel (tags KORA rs668555), p=0.0021

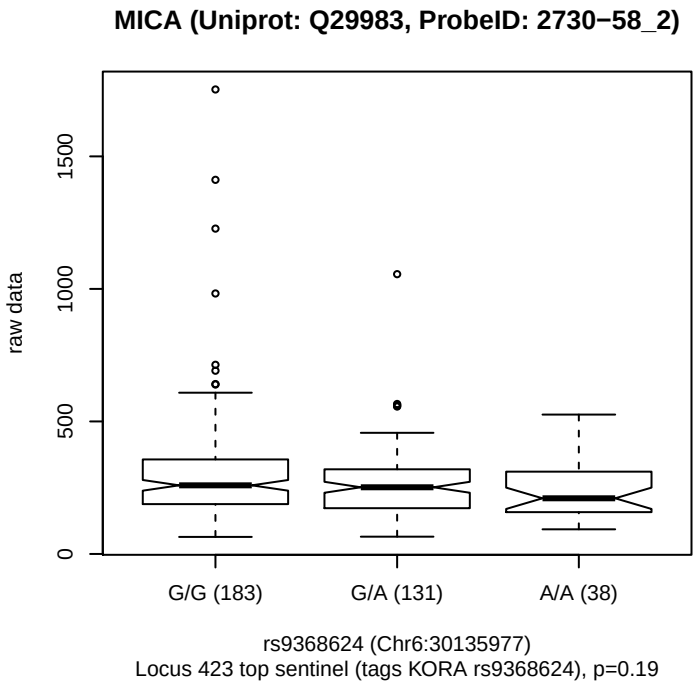

NXPH1 (Uniprot: P58417, ProbeID: 4562−1_2)
Frequency
0
20
40
60
80
100
120
11.5
12.0
12.5
13.0
13.5
14.0
14.5
15.0
log2−scaled data
Neurexophilin−1

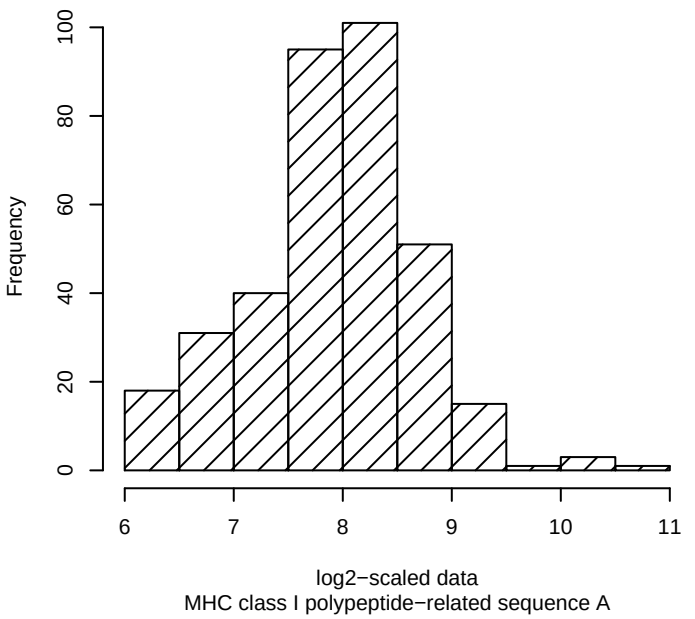

NXPH1 (Uniprot: P58417, ProbeID: 4562−1_2)
log2−scaled data
12.0
12.5
13.0
13.5
14.0
14.5
G/G (153)
G/A (152)
A/A (47)
rs658285 (Chr1:57416335)
Locus 422 top sentinel (tags KORA rs668555), p=2e−04, FC=1.1034

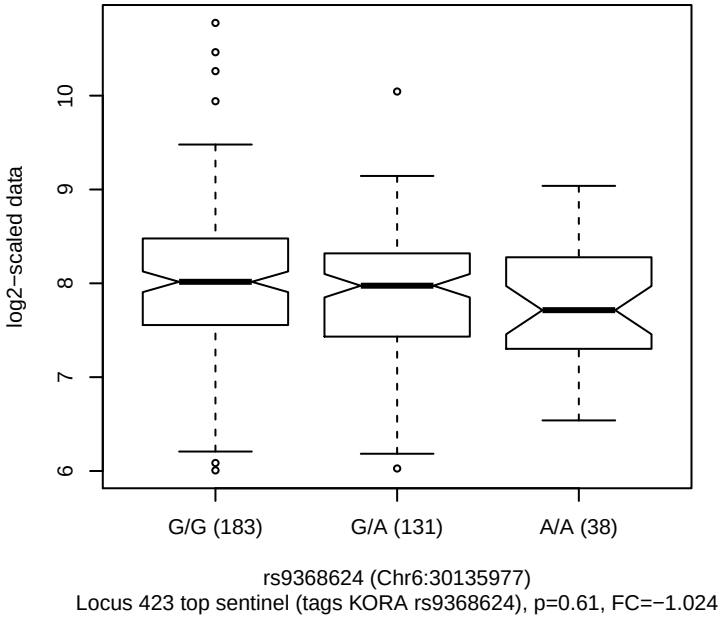

NXPH1 (Uniprot: P58417, ProbeID: 4562−1_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Neurexophilin−1

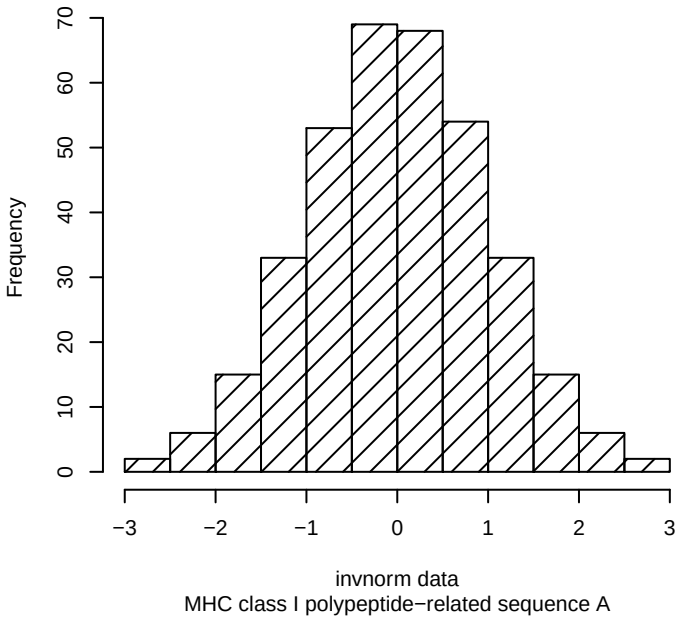

NXPH1 (Uniprot: P58417, ProbeID: 4562−1_2)
invnorm data
−2
−1
0
1
2
G/G (153)
G/A (152)
A/A (47)
rs658285 (Chr1:57416335)
Locus 422 top sentinel (tags KORA rs668555), p=0.00034

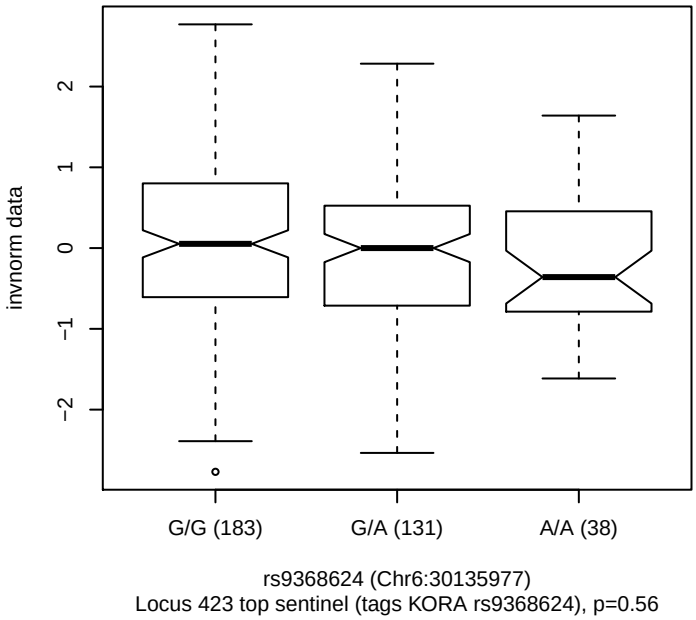

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
50
100
150
0
500
1000
1500
raw data
MHC class I polypeptide−related sequence A

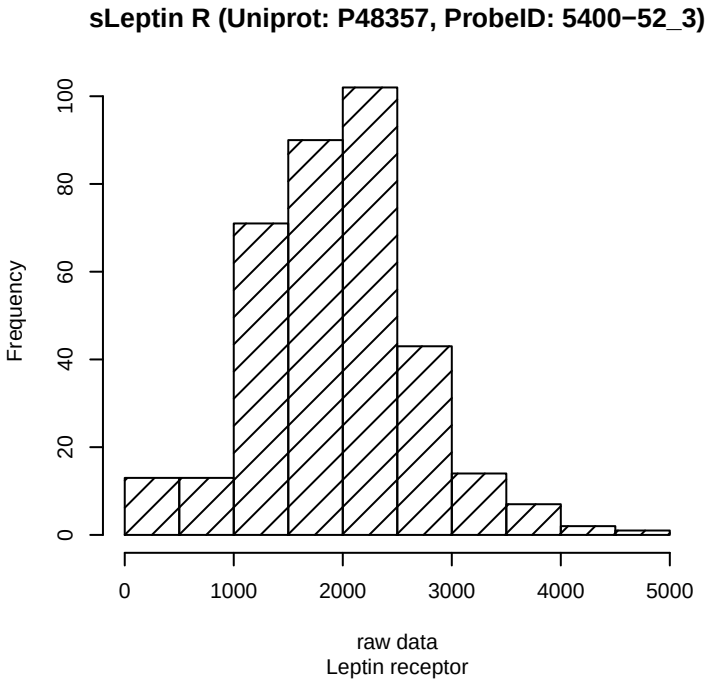

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
raw data
0
500
1000
1500
G/G (183)
G/A (131)
A/A (38)
rs9368624 (Chr6:30135977)
Locus 423 top sentinel (tags KORA rs9368624), p=0.19

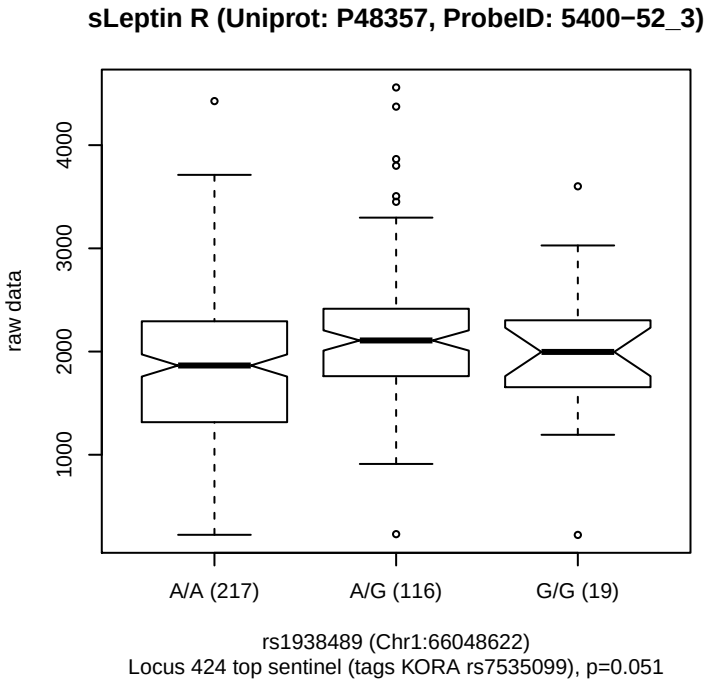

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
20
40
60
80
100
6
7
8
9
10
11
log2−scaled data
MHC class I polypeptide−related sequence A

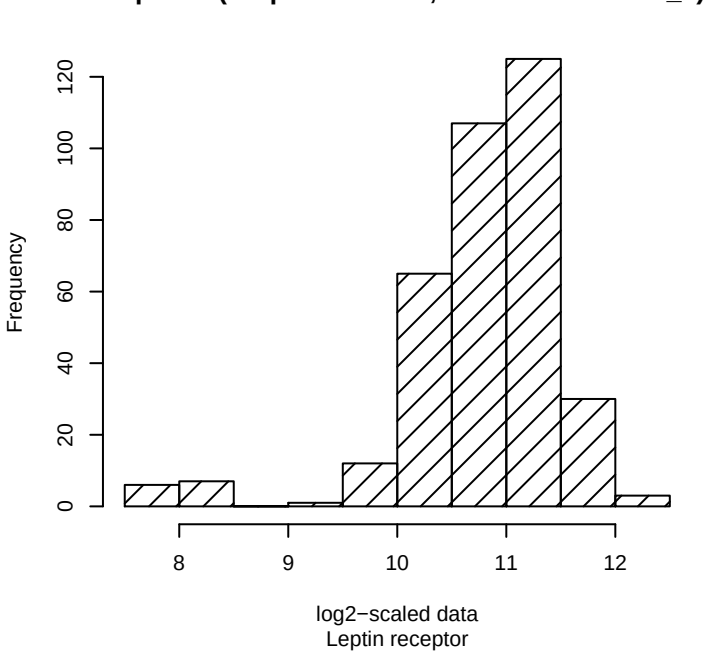

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
log2−scaled data
6
7
8
9
10
G/G (183)
G/A (131)
A/A (38)
rs9368624 (Chr6:30135977)
Locus 423 top sentinel (tags KORA rs9368624), p=0.61, FC=−1.024

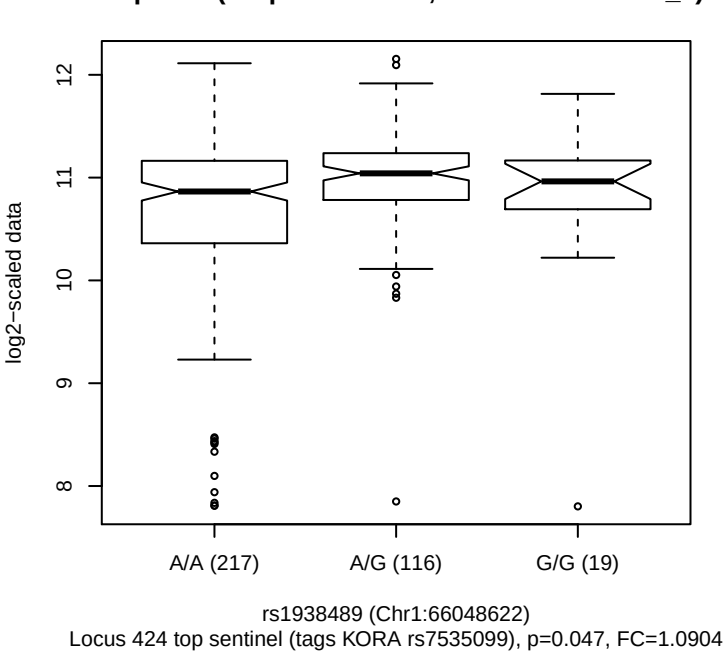

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
MHC class I polypeptide−related sequence A

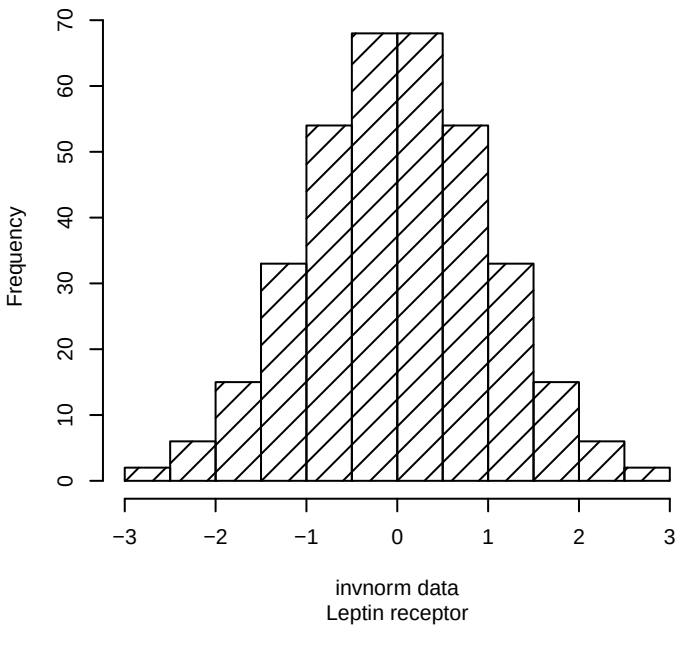

MICA (Uniprot: Q29983, ProbeID: 2730−58_2)
invnorm data
−2
−1
0
1
2
G/G (183)
G/A (131)
A/A (38)
rs9368624 (Chr6:30135977)
Locus 423 top sentinel (tags KORA rs9368624), p=0.56

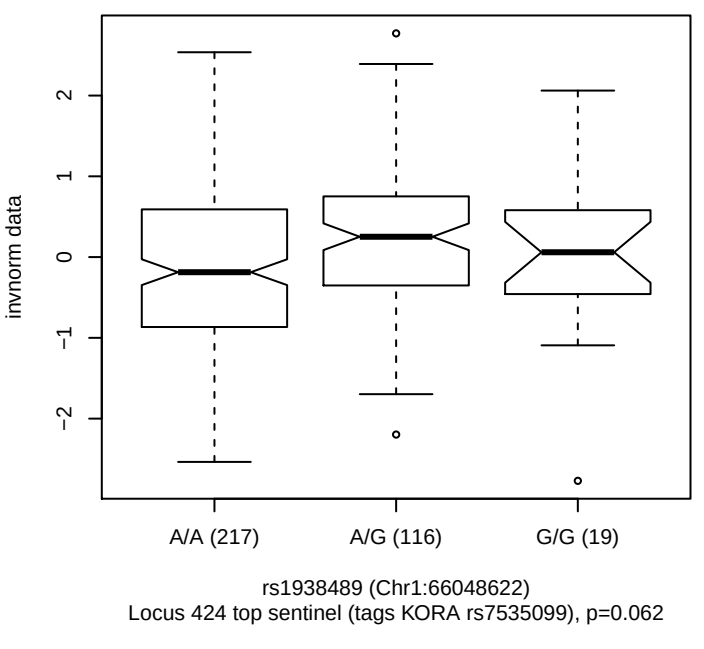

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
Frequency
0
20
40
60
80
100
0
1000
2000
3000
4000
5000
raw data
Leptin receptor

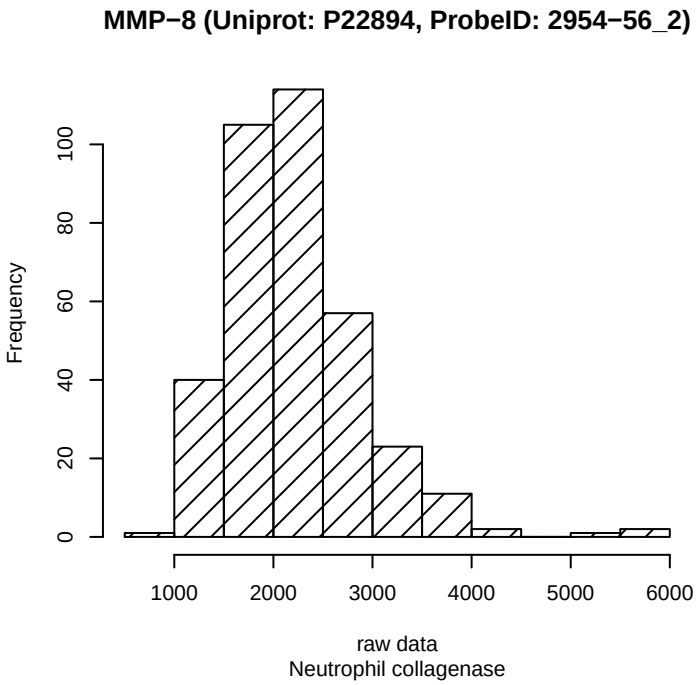

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
raw data
1000
2000
3000
4000
A/A (217)
A/G (116)
G/G (19)
rs1938489 (Chr1:66048622)
Locus 424 top sentinel (tags KORA rs7535099), p=0.051

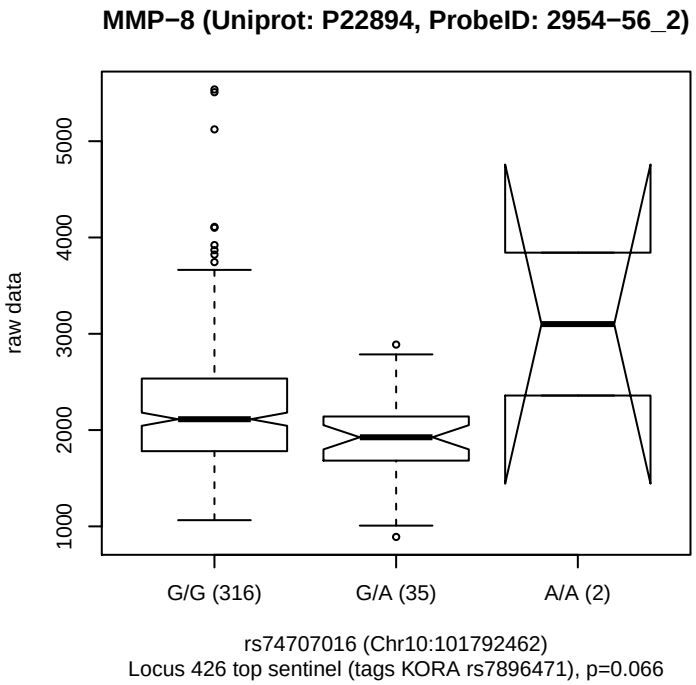

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
Frequency
0
20
40
60
80
100
120
8
9
10
11
12
log2−scaled data
Leptin receptor

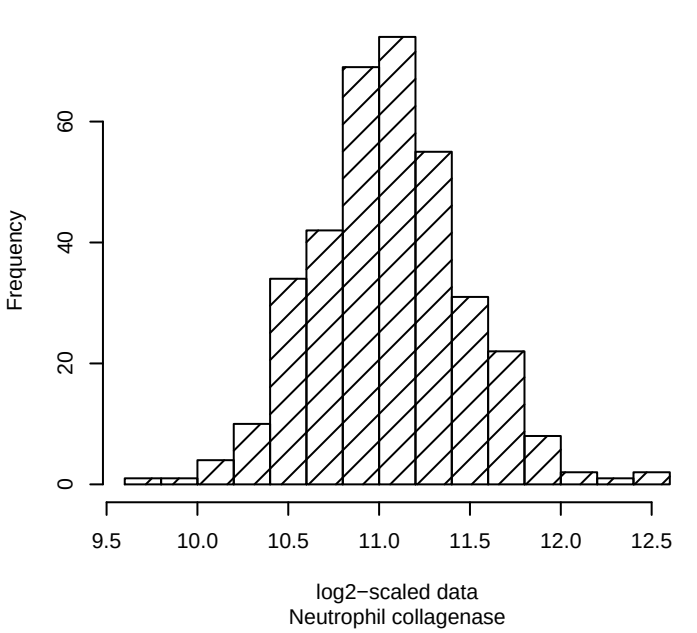

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
log2−scaled data
8
9
10
11
12
A/A (217)
A/G (116)
G/G (19)
rs1938489 (Chr1:66048622)
Locus 424 top sentinel (tags KORA rs7535099), p=0.047, FC=1.0904

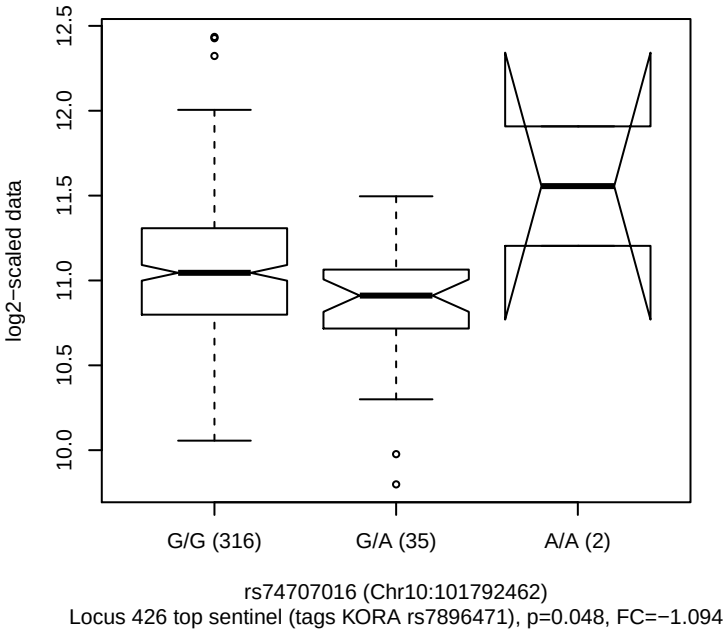

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Leptin receptor

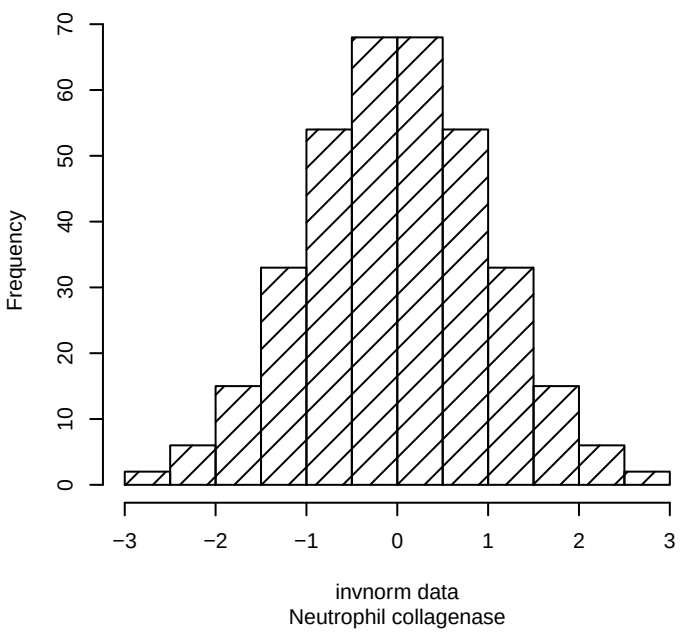

sLeptin R (Uniprot: P48357, ProbeID: 5400−52_3)
invnorm data
−2
−1
0
1
2
A/A (217)
A/G (116)
G/G (19)
rs1938489 (Chr1:66048622)
Locus 424 top sentinel (tags KORA rs7535099), p=0.062

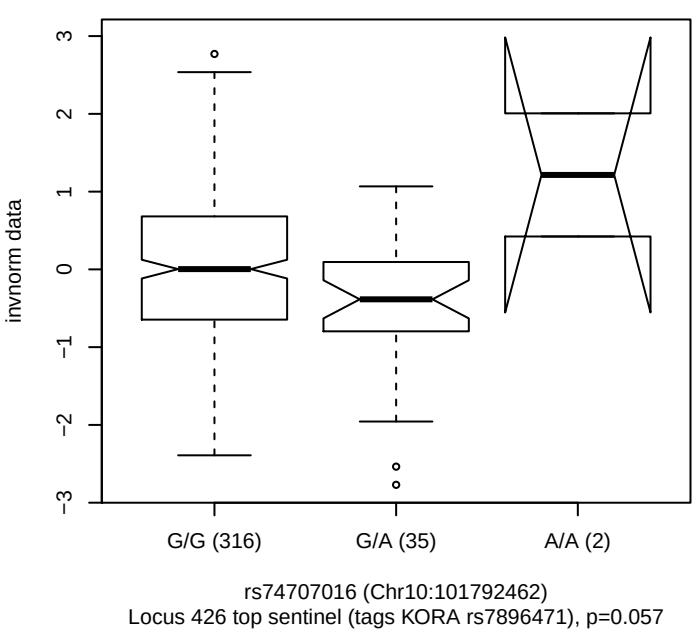

MMP−8 (Uniprot: P22894, ProbeID: 2954−56_2)
Frequency
0
20
40
60
80
100
1000
2000
3000
4000
5000
6000
raw data
Neutrophil collagenase

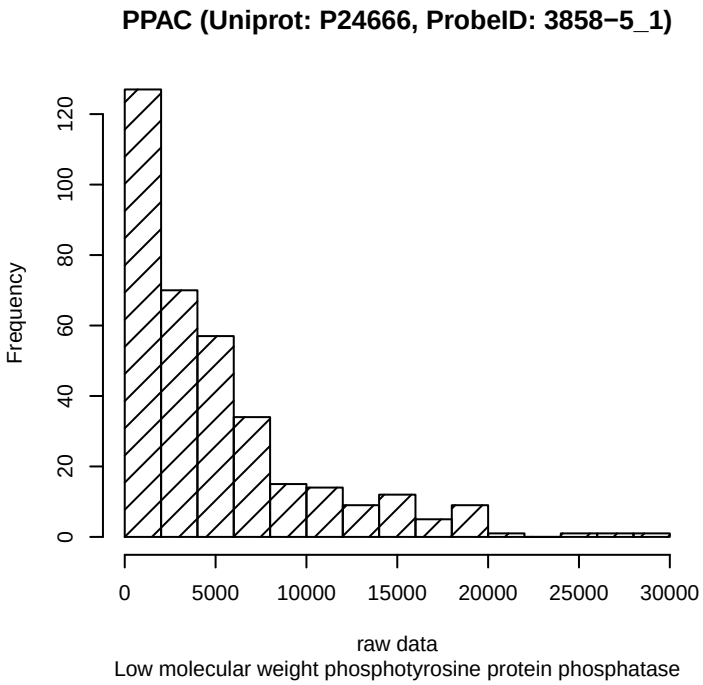

MMP−8 (Uniprot: P22894, ProbeID: 2954−56_2)
raw data
1000
2000
3000
4000
5000
G/G (316)
G/A (35)
A/A (2)
rs74707016 (Chr10:101792462)
Locus 426 top sentinel (tags KORA rs7896471), p=0.066

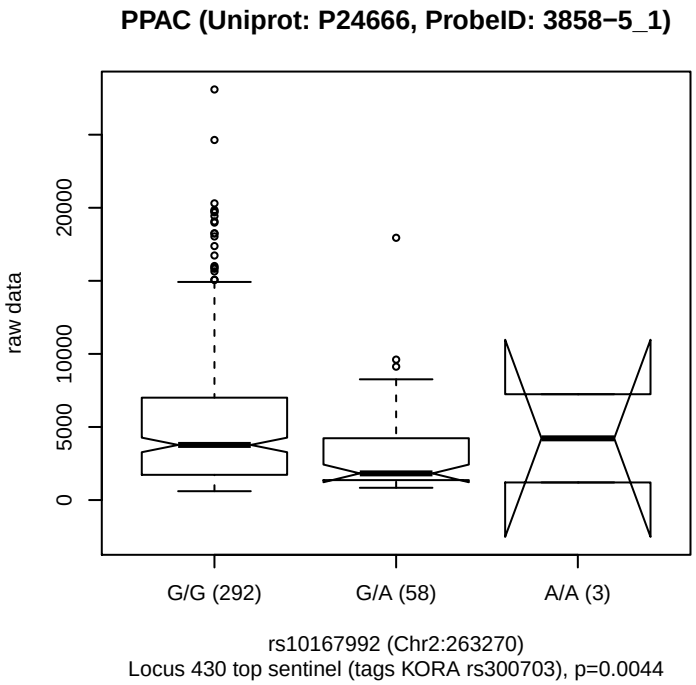

MMP−8 (Uniprot: P22894, ProbeID: 2954−56_2)
Frequency
0
20
40
60
9.5
10.0
10.5
11.0
11.5
12.0
12.5
log2−scaled data
Neutrophil collagenase

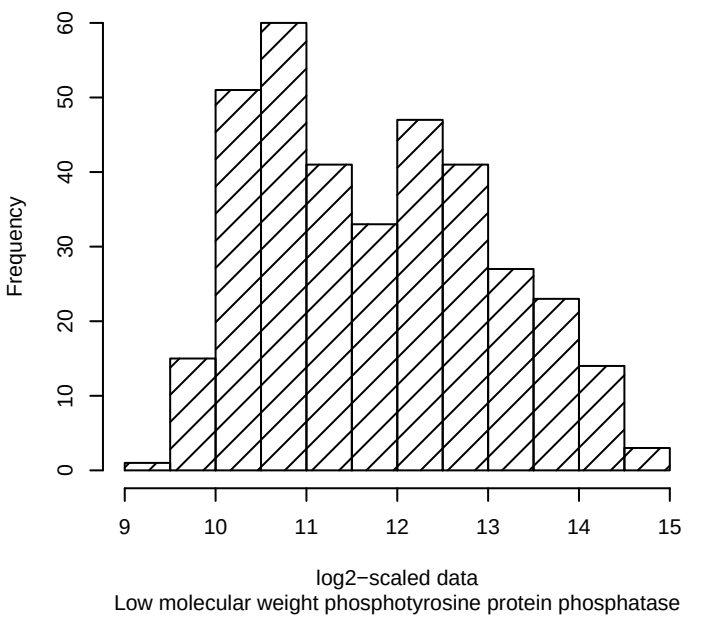

MMP−8 (Uniprot: P22894, ProbeID: 2954−56_2)
log2−scaled data
10.0
10.5
11.0
11.5
12.0
12.5
G/G (316)
G/A (35)
A/A (2)
rs74707016 (Chr10:101792462)
Locus 426 top sentinel (tags KORA rs7896471), p=0.048, FC=−1.094

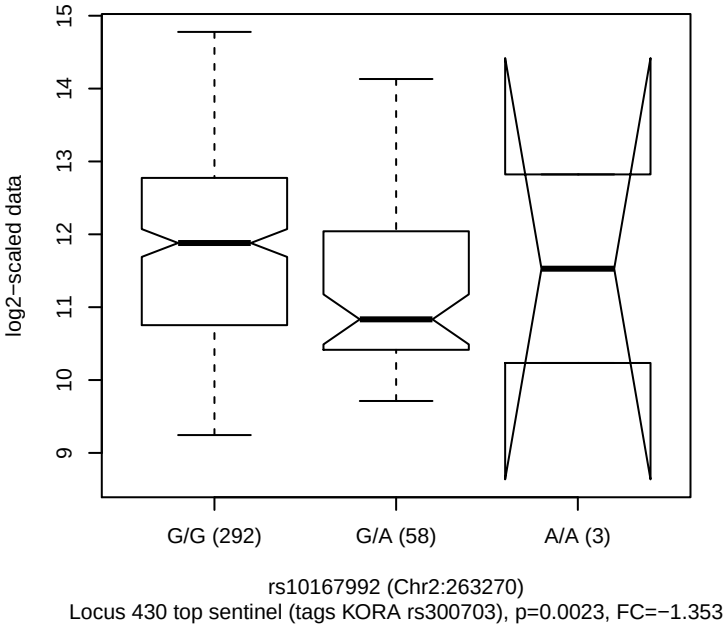

MMP−8 (Uniprot: P22894, ProbeID: 2954−56_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Neutrophil collagenase

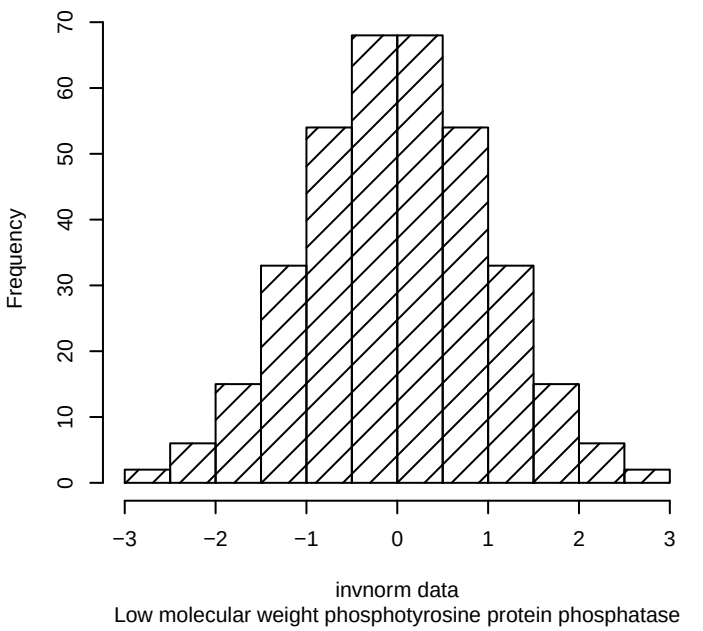

MMP−8 (Uniprot: P22894, ProbeID: 2954−56_2)
invnorm data
−3
−2
−1
0
1
2
3
G/G (316)
G/A (35)
A/A (2)
rs74707016 (Chr10:101792462)
Locus 426 top sentinel (tags KORA rs7896471), p=0.057

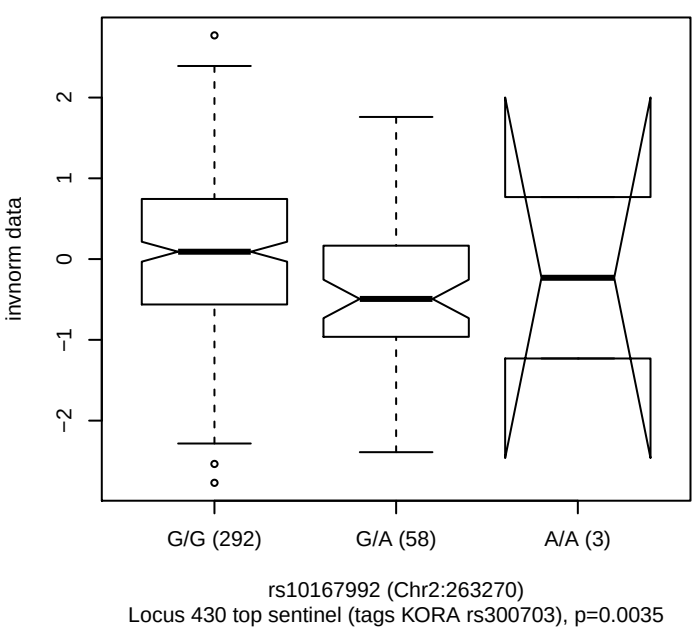

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
Frequency
0
20
40
60
80
100
120
0
5000
10000
15000
20000
25000
30000
raw data
Low molecular weight phosphotyrosine protein phosphatase

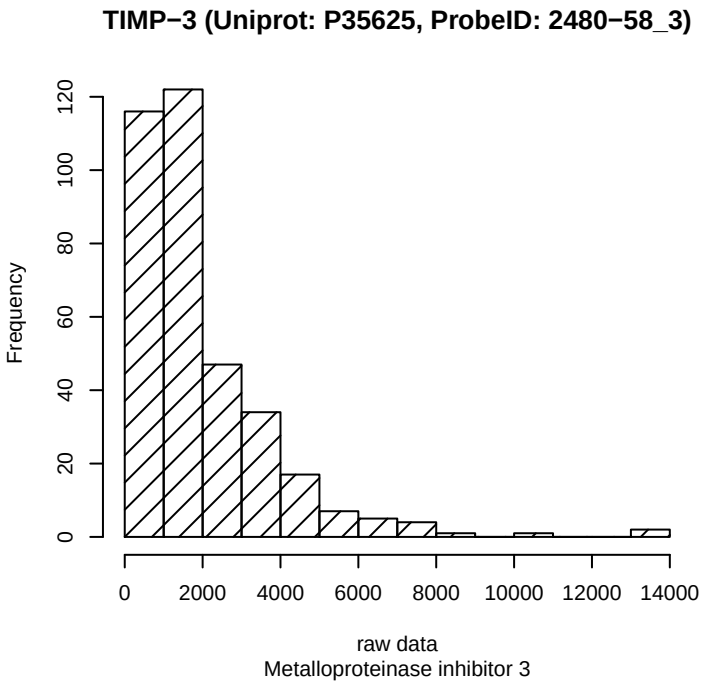

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
raw data
0
5000
10000
20000
G/G (292)
G/A (58)
A/A (3)
rs10167992 (Chr2:263270)
Locus 430 top sentinel (tags KORA rs300703), p=0.0044

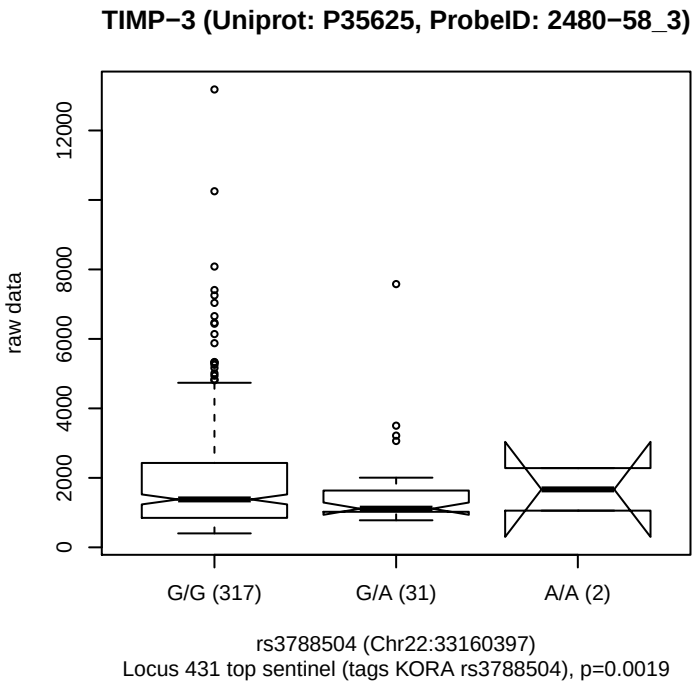

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
Frequency
0
10
20
30
40
50
60
9
10
11
12
13
14
15
log2−scaled data
Low molecular weight phosphotyrosine protein phosphatase

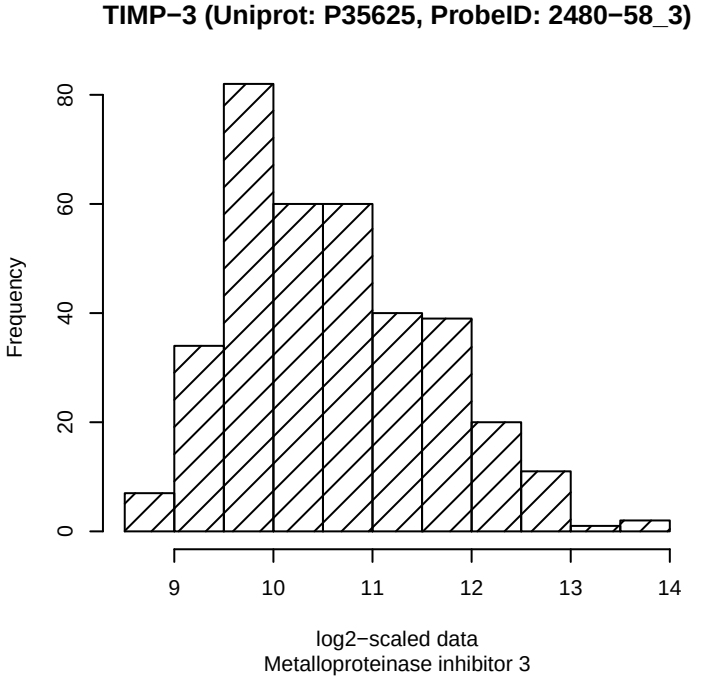

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
log2−scaled data
9
10
11
12
13
14
15
G/G (292)
G/A (58)
A/A (3)
rs10167992 (Chr2:263270)
Locus 430 top sentinel (tags KORA rs300703), p=0.0023, FC=−1.353

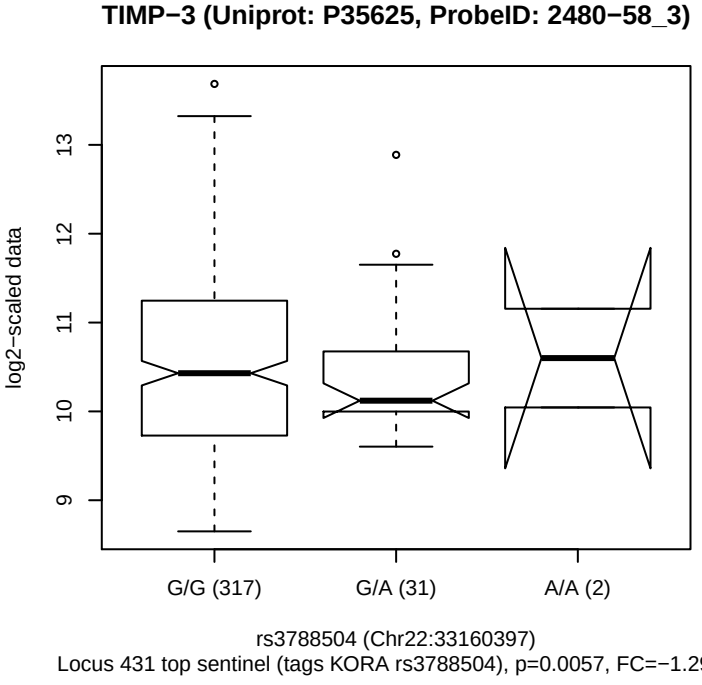

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Low molecular weight phosphotyrosine protein phosphatase

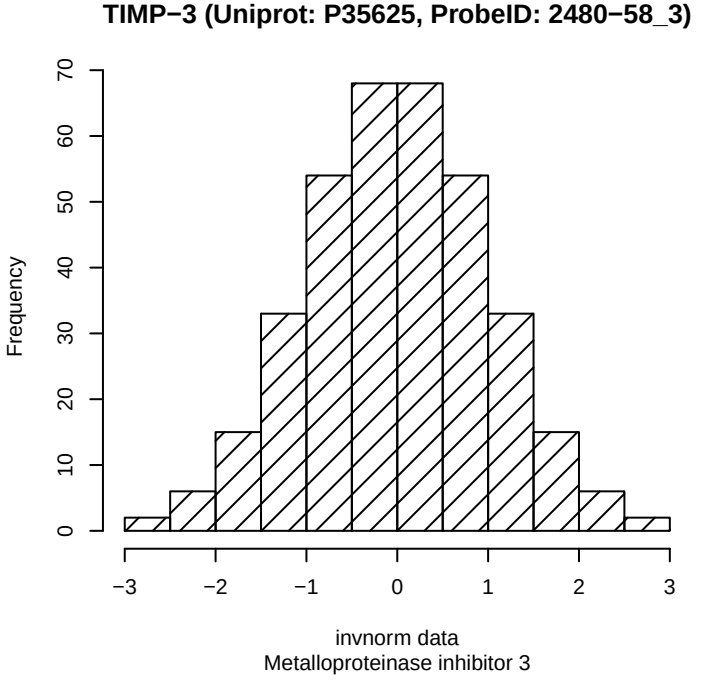

PPAC (Uniprot: P24666, ProbeID: 3858−5_1)
invnorm data
−2
−1
0
1
2
G/G (292)
G/A (58)
A/A (3)
rs10167992 (Chr2:263270)
Locus 430 top sentinel (tags KORA rs300703), p=0.0035

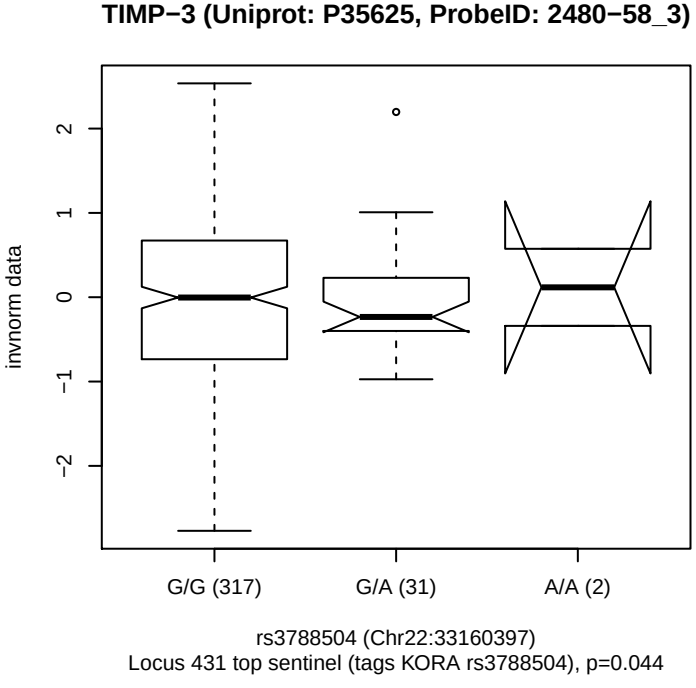

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
Frequency
0
20
40
60
80
100
120
0
2000
4000
6000
8000
10000
12000
14000
raw data
Metalloproteinase inhibitor 3

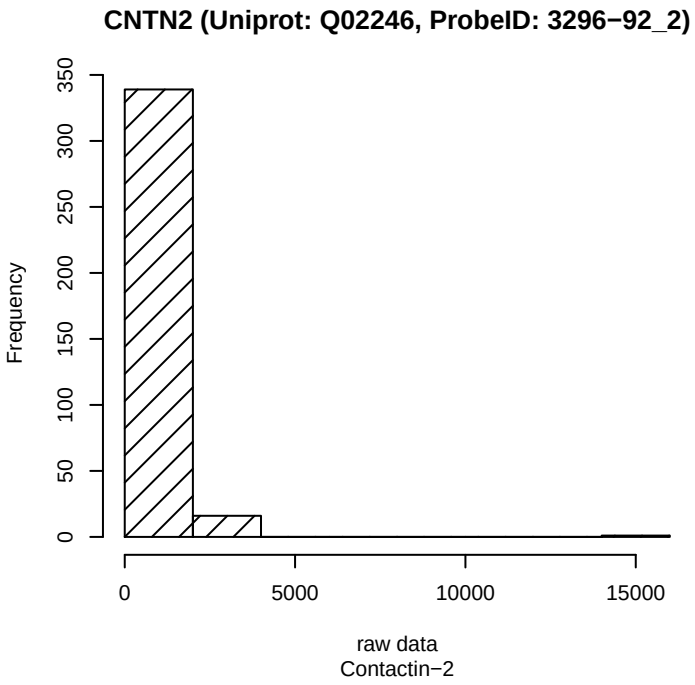

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
raw data
0
2000
4000
6000
8000
12000
G/G (317)
G/A (31)
A/A (2)
rs3788504 (Chr22:33160397)
Locus 431 top sentinel (tags KORA rs3788504), p=0.0019

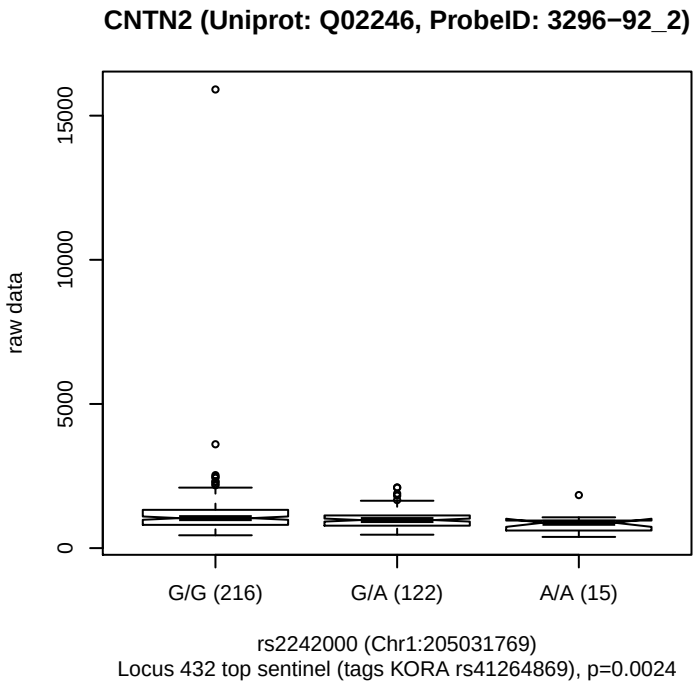

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
Frequency
0
20
40
60
80
9
10
11
12
13
14
log2−scaled data
Metalloproteinase inhibitor 3

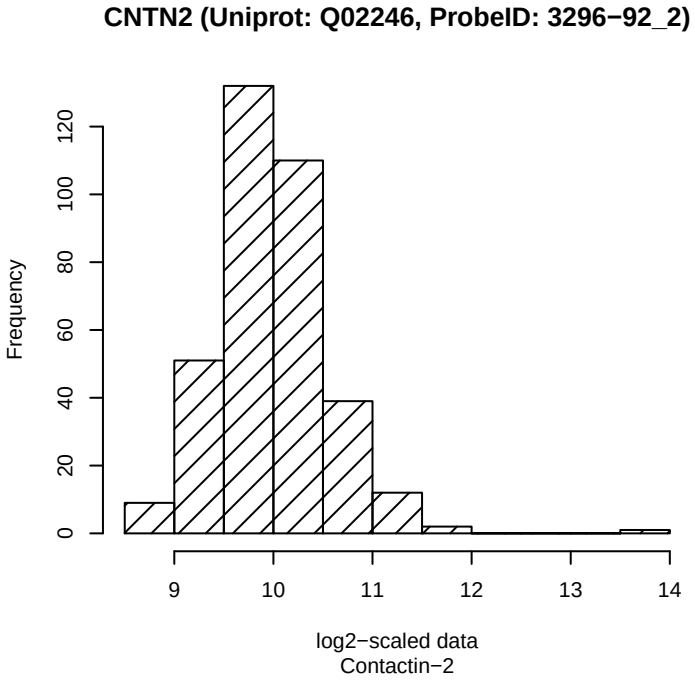

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
log2−scaled data
9
10
11
12
13
G/G (317)
G/A (31)
A/A (2)
rs3788504 (Chr22:33160397)
Locus 431 top sentinel (tags KORA rs3788504), p=0.0057, FC=−1.2937

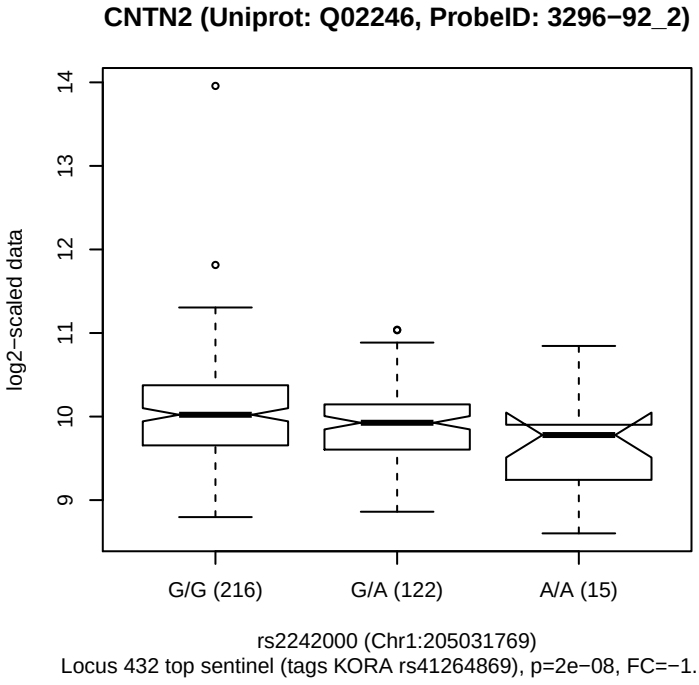

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Metalloproteinase inhibitor 3

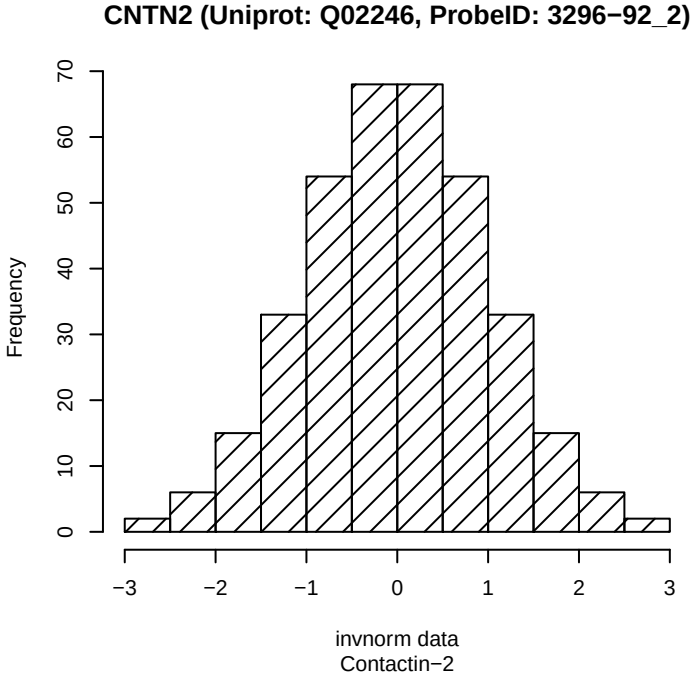

TIMP−3 (Uniprot: P35625, ProbeID: 2480−58_3)
invnorm data
−2
−1
0
1
2
G/G (317)
G/A (31)
A/A (2)
rs3788504 (Chr22:33160397)
Locus 431 top sentinel (tags KORA rs3788504), p=0.044

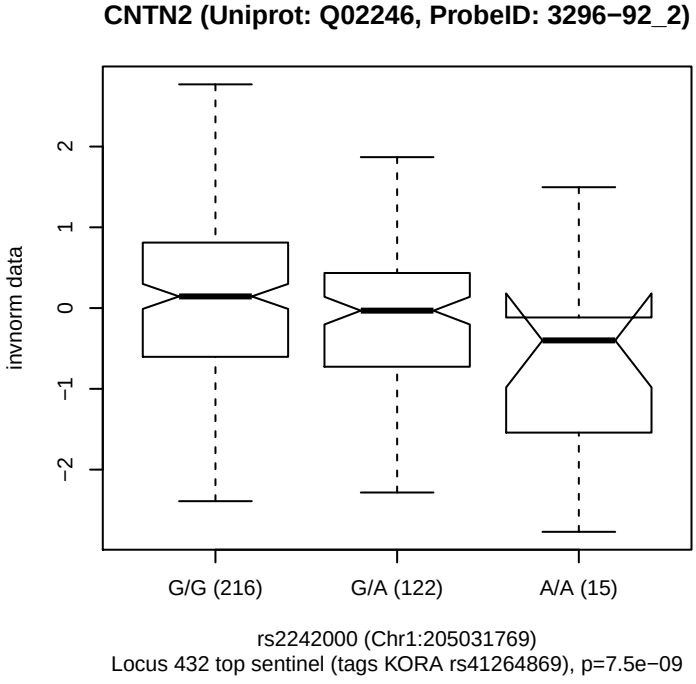

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
Frequency
0
50
100
150
200
250
300
350
0
5000
10000
15000
raw data
Contactin−2

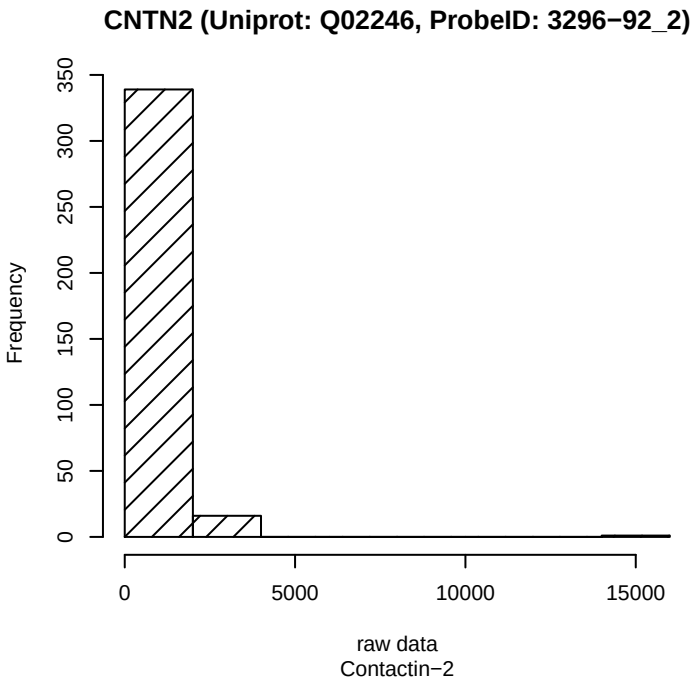

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
raw data
0
5000
10000
15000
G/G (216)
G/A (122)
A/A (15)
rs2242000 (Chr1:205031769)
Locus 432 top sentinel (tags KORA rs41264869), p=0.0024

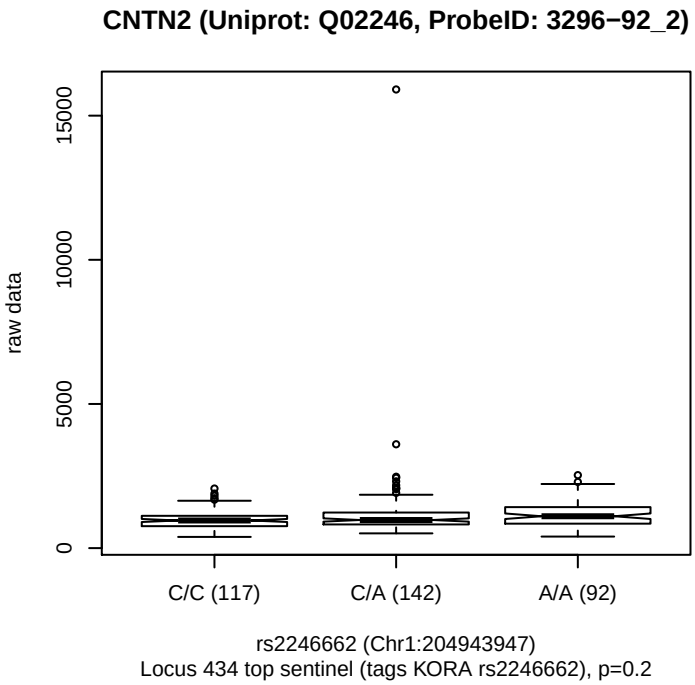

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
Frequency
0
20
40
60
80
100
120
9
10
11
12
13
14
log2−scaled data
Contactin−2

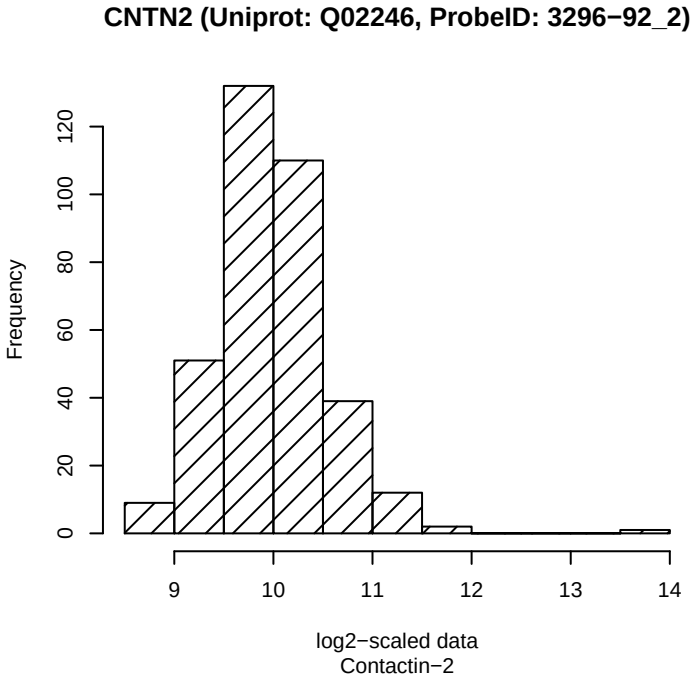

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
log2−scaled data
9
10
11
12
13
14
G/G (216)
G/A (122)
A/A (15)
rs2242000 (Chr1:205031769)
Locus 432 top sentinel (tags KORA rs41264869), p=2e−08, FC=−1.175

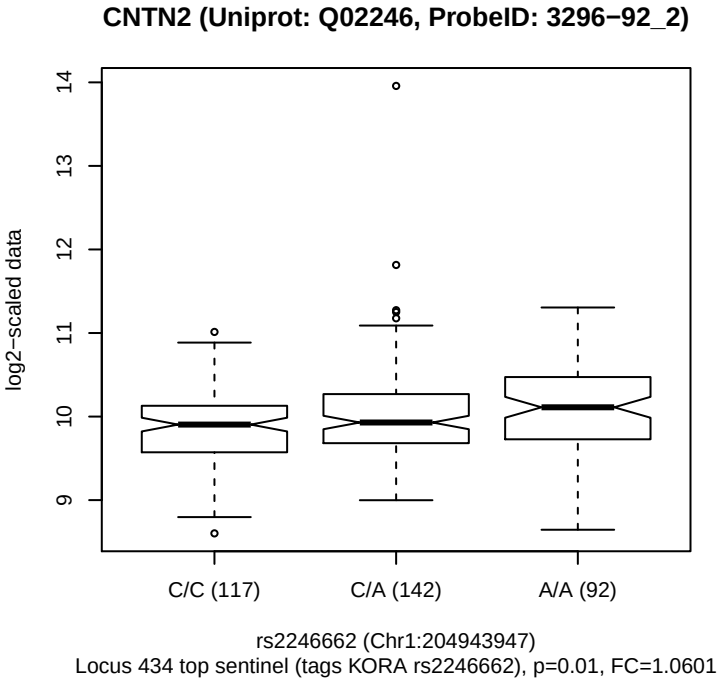

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Contactin−2

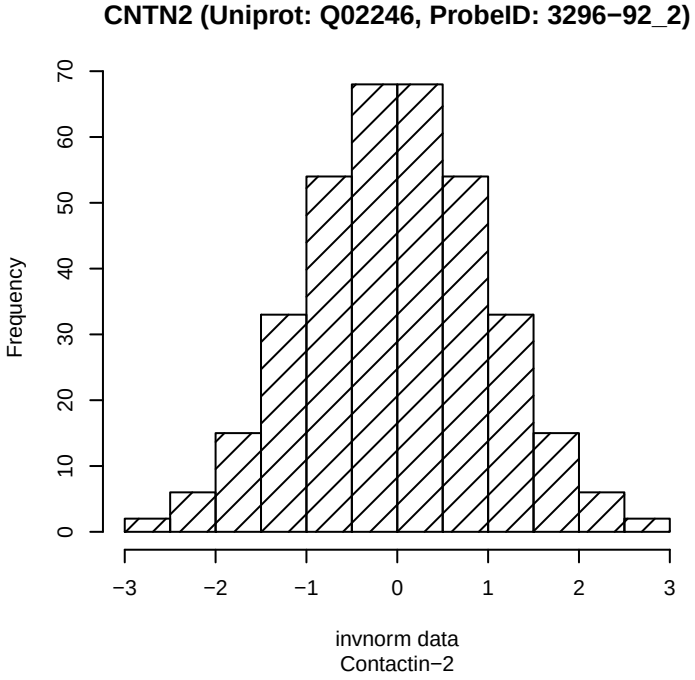

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
invnorm data
−2
−1
0
1
2
G/G (216)
G/A (122)
A/A (15)
rs2242000 (Chr1:205031769)
Locus 432 top sentinel (tags KORA rs41264869), p=7.5e−09

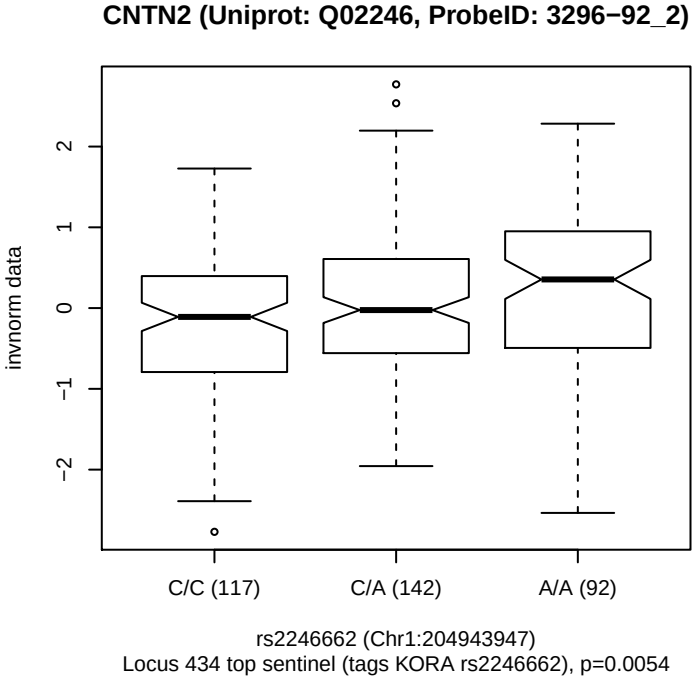

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
Frequency
0
50
100
150
200
250
300
350
0
5000
10000
15000
raw data
Contactin−2

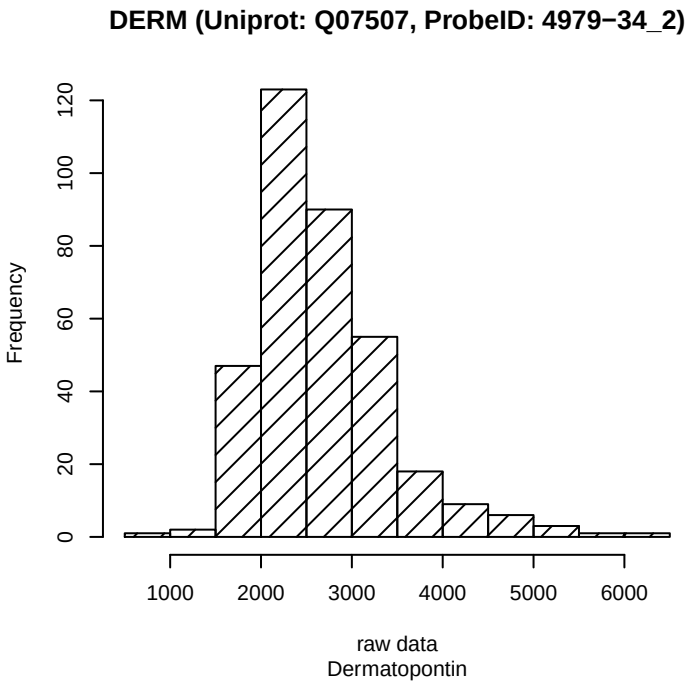

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
raw data
0
5000
10000
15000
C/C (117)
C/A (142)
A/A (92)
rs2246662 (Chr1:204943947)
Locus 434 top sentinel (tags KORA rs2246662), p=0.2

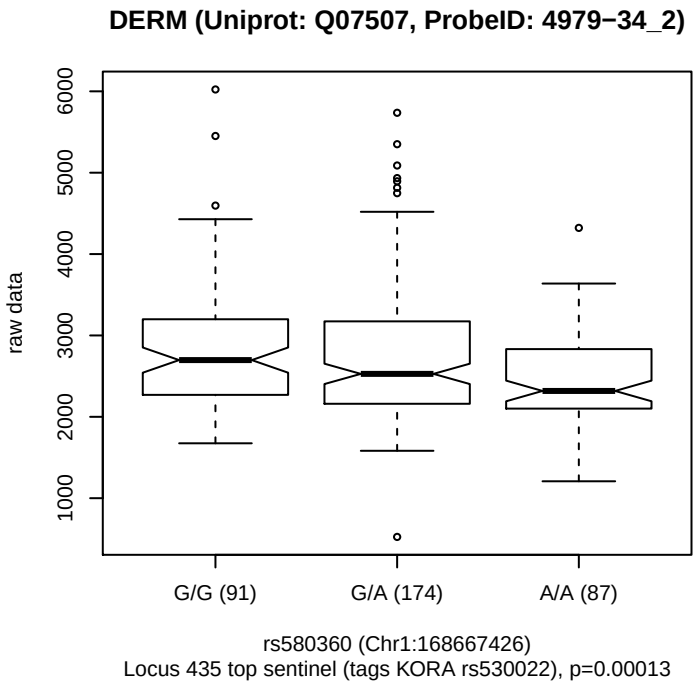

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
Frequency
0
20
40
60
80
100
120
9
10
11
12
13
14
log2−scaled data
Contactin−2

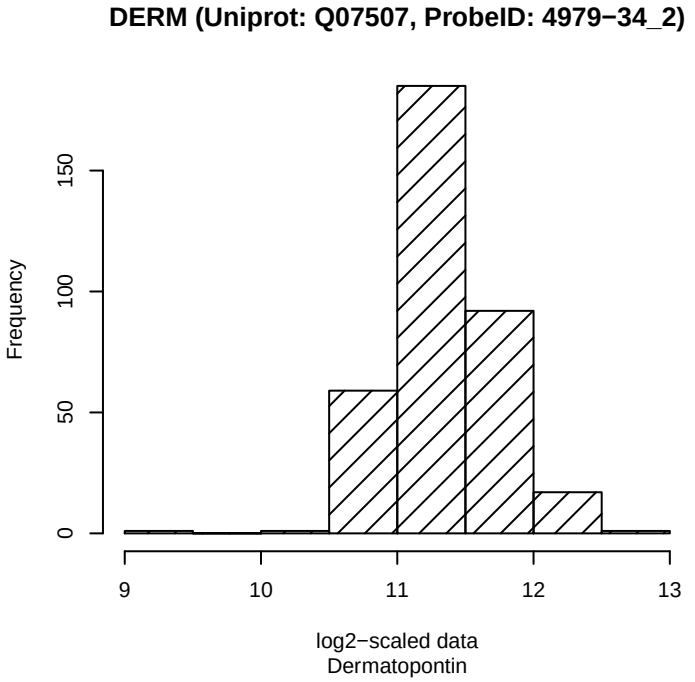

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
log2−scaled data
9
10
11
12
13
14
C/C (117)
C/A (142)
A/A (92)
rs2246662 (Chr1:204943947)
Locus 434 top sentinel (tags KORA rs2246662), p=0.01, FC=1.0601

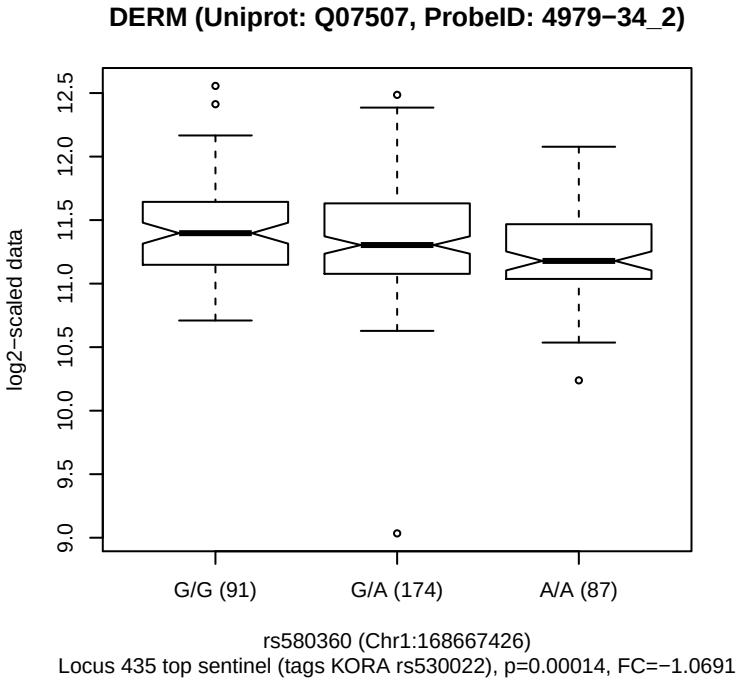

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Contactin−2

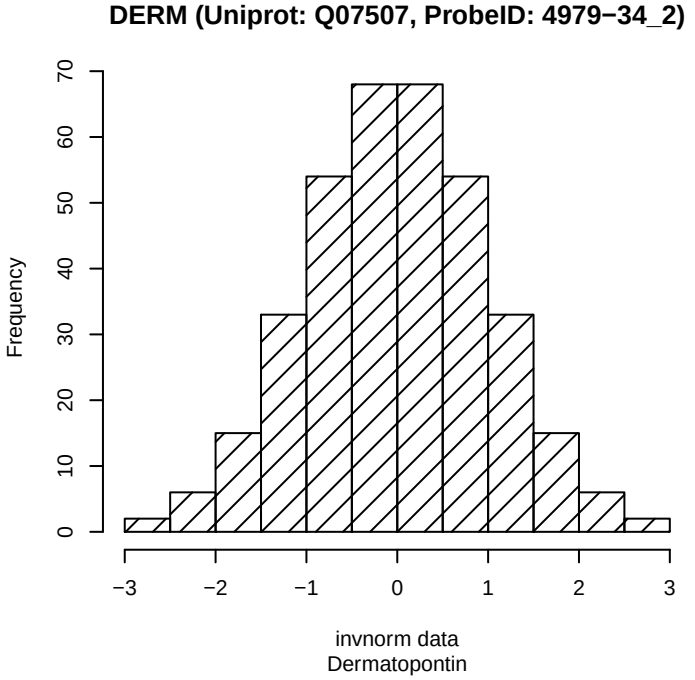

CNTN2 (Uniprot: Q02246, ProbeID: 3296−92_2)
invnorm data
−2
−1
0
1
2
C/C (117)
C/A (142)
A/A (92)
rs2246662 (Chr1:204943947)
Locus 434 top sentinel (tags KORA rs2246662), p=0.0054

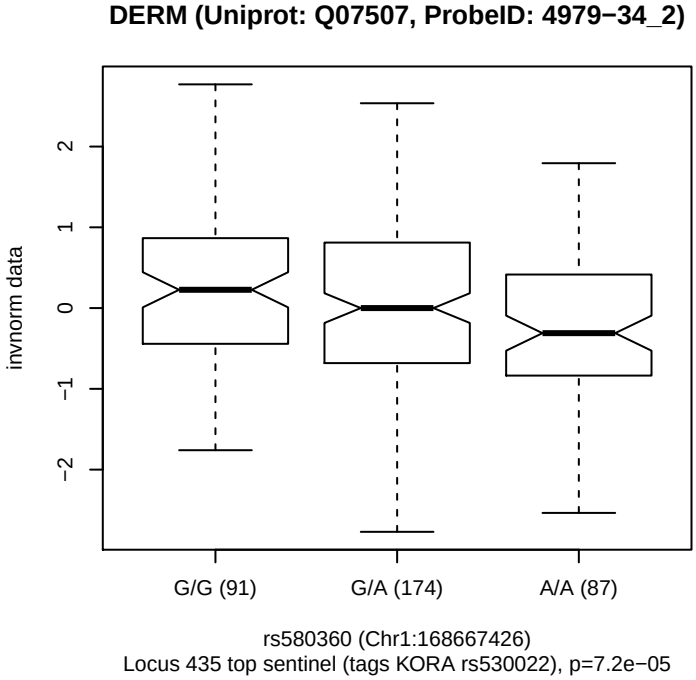

DERM (Uniprot: Q07507, ProbeID: 4979−34_2)
Frequency
0
20
40
60
80
100
120
1000
2000
3000
4000
5000
6000
raw data
Dermatopontin

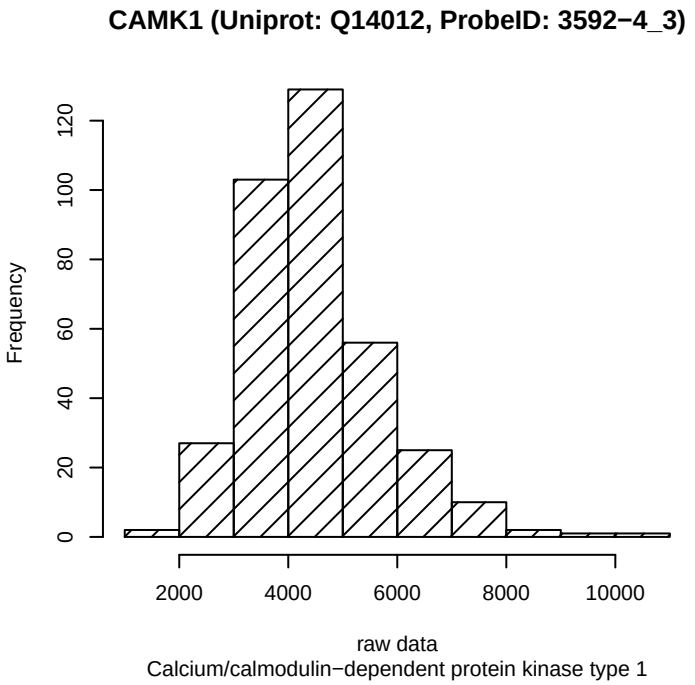

DERM (Uniprot: Q07507, ProbeID: 4979−34_2)
raw data
1000
2000
3000
4000
5000
6000
G/G (91)
G/A (174)
A/A (87)
rs580360 (Chr1:168667426)
Locus 435 top sentinel (tags KORA rs530022), p=0.00013

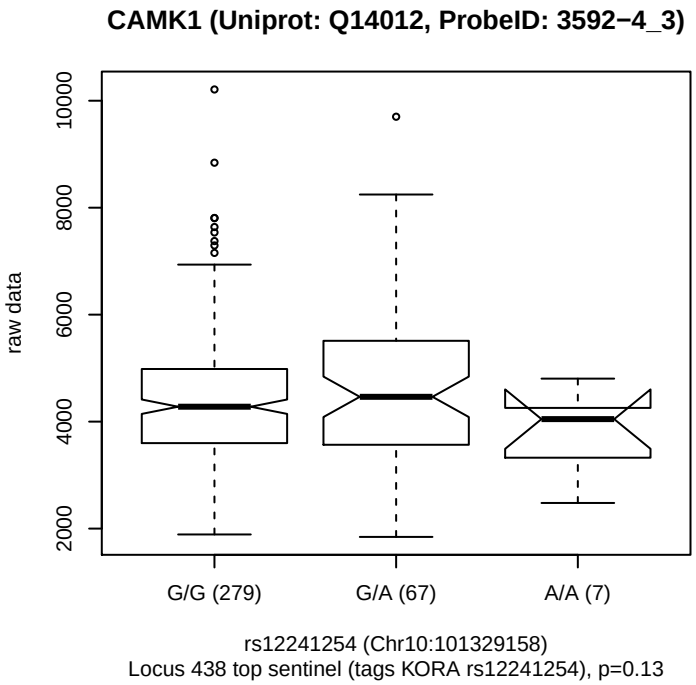

DERM (Uniprot: Q07507, ProbeID: 4979−34_2)
Frequency
0
50
100
150
9
10
11
12
13
log2−scaled data
Dermatopontin

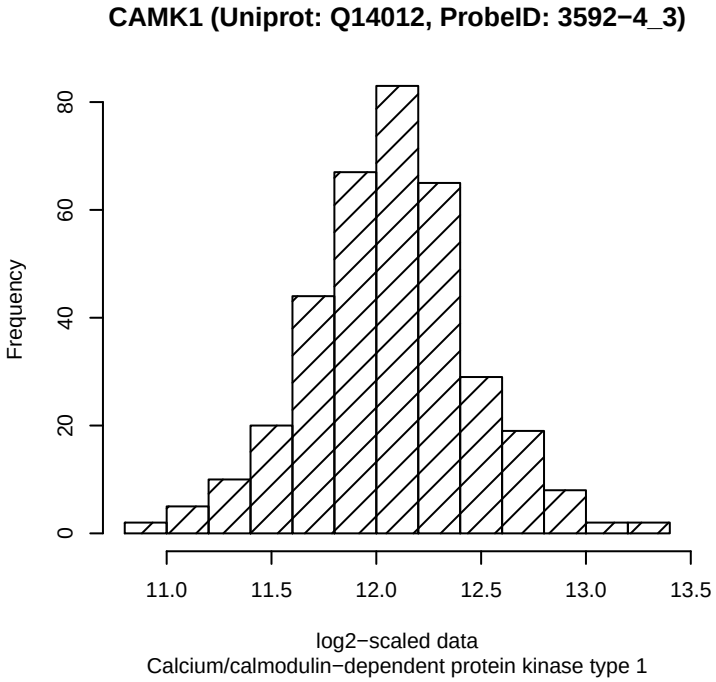

DERM (Uniprot: Q07507, ProbeID: 4979−34_2)
log2−scaled data
9.0
9.5
10.0
10.5
11.0
11.5
12.0
12.5
G/G (91)
G/A (174)
A/A (87)
rs580360 (Chr1:168667426)
Locus 435 top sentinel (tags KORA rs530022), p=0.00014, FC=−1.0691

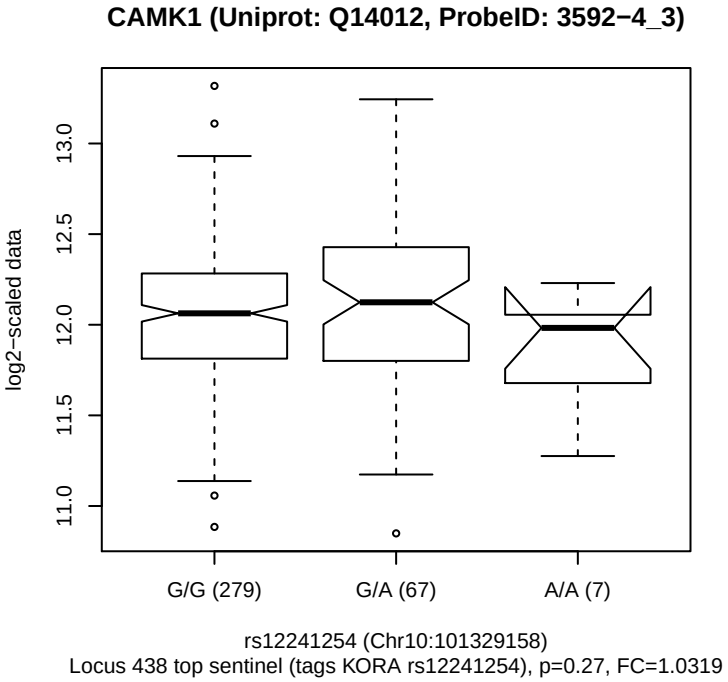

DERM (Uniprot: Q07507, ProbeID: 4979−34_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Dermatopontin

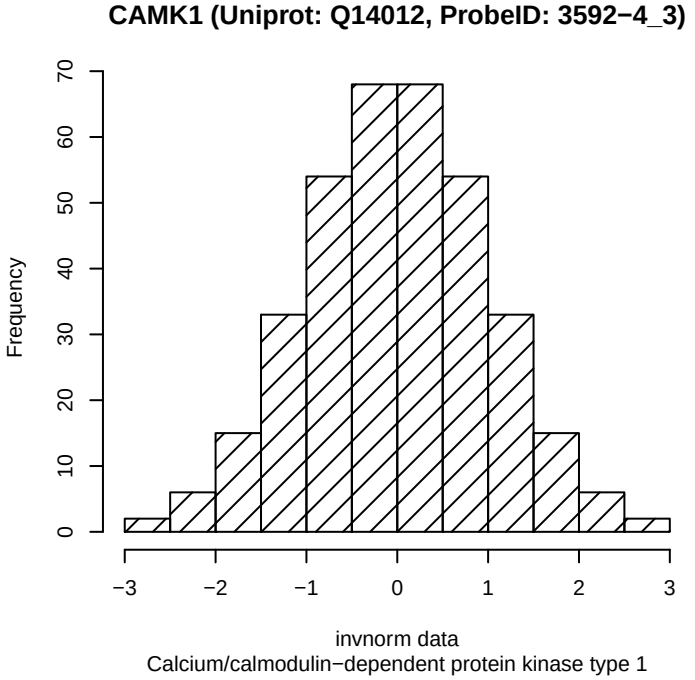

DERM (Uniprot: Q07507, ProbeID: 4979−34_2)
invnorm data
−2
−1
0
1
2
G/G (91)
G/A (174)
A/A (87)
rs580360 (Chr1:168667426)
Locus 435 top sentinel (tags KORA rs530022), p=7.2e−05

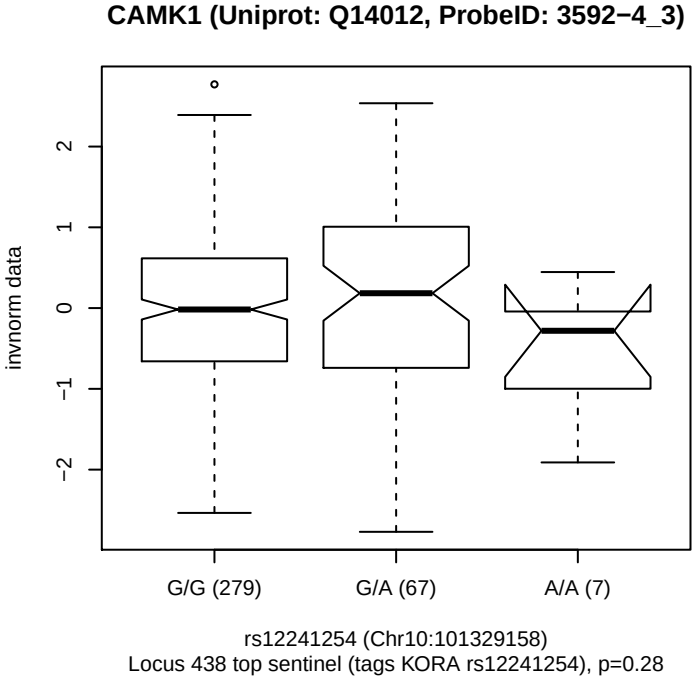

CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)
Frequency
0
20
40
60
80
100
120
2000
4000
6000
8000
10000
raw data
Calcium/calmodulin−dependent protein kinase type 1

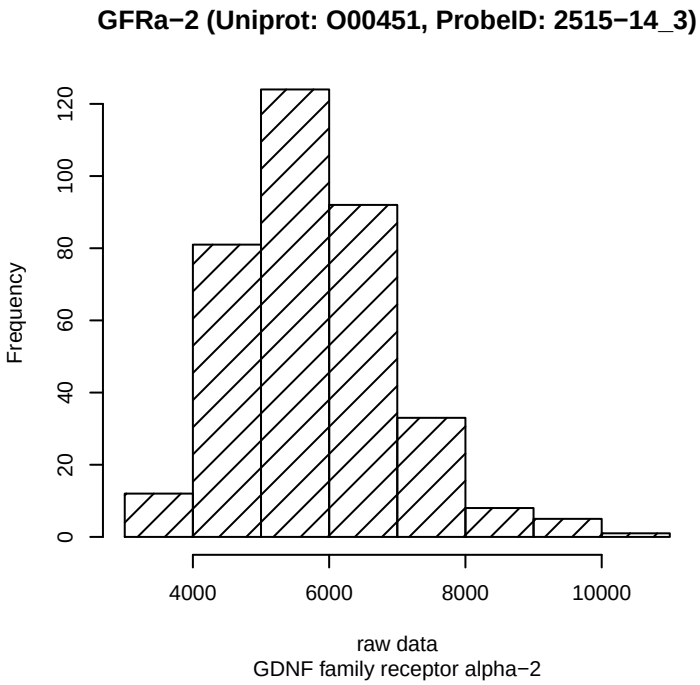

CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)
raw data
2000
4000
6000
8000
10000
G/G (279)
G/A (67)
A/A (7)
rs12241254 (Chr10:101329158)
Locus 438 top sentinel (tags KORA rs12241254), p=0.13

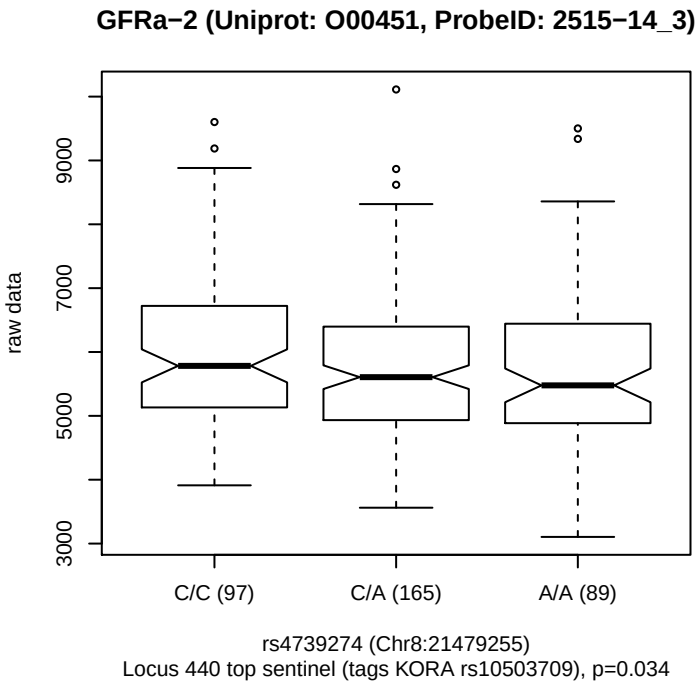

CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)
Frequency
0
20
40
60
80
11.0
11.5
12.0
12.5
13.0
13.5
log2−scaled data
Calcium/calmodulin−dependent protein kinase type 1

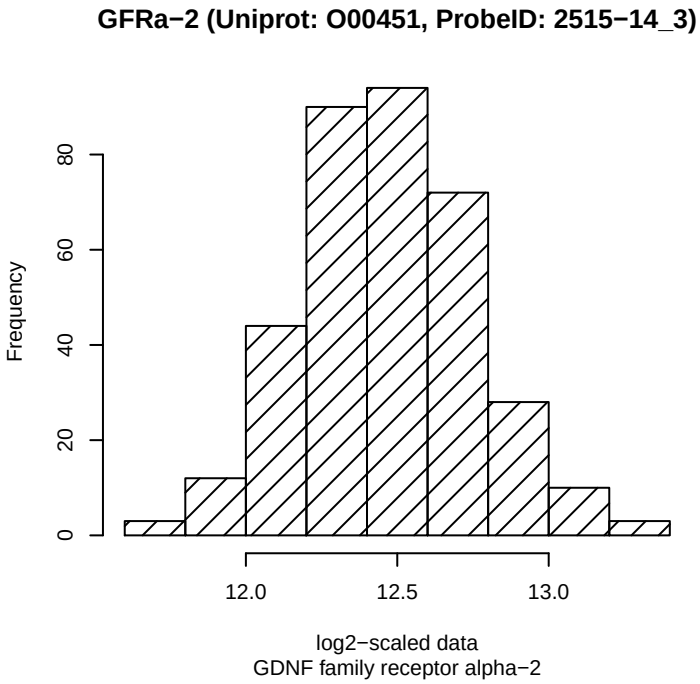

CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)
log2−scaled data
11.0
11.5
12.0
12.5
13.0
G/G (279)
G/A (67)
A/A (7)
rs12241254 (Chr10:101329158)
Locus 438 top sentinel (tags KORA rs12241254), p=0.27, FC=1.0319

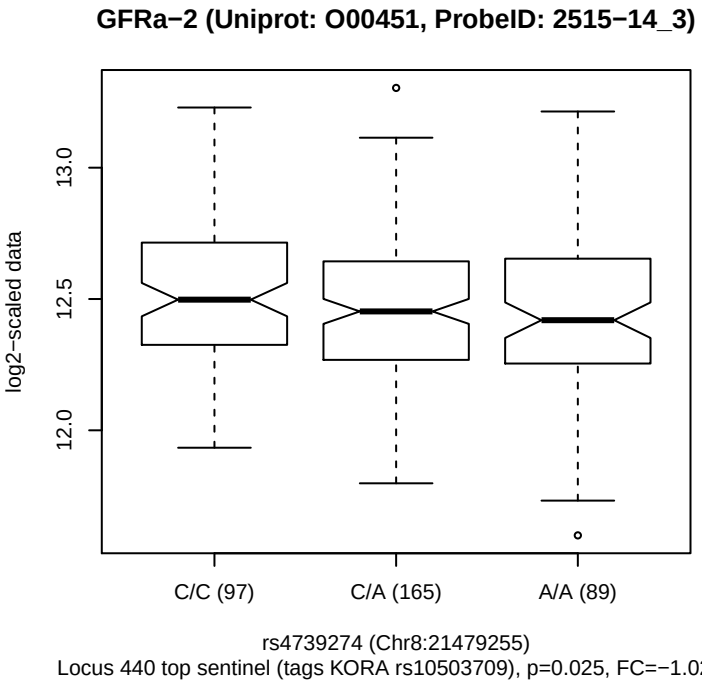

CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Calcium/calmodulin−dependent protein kinase type 1

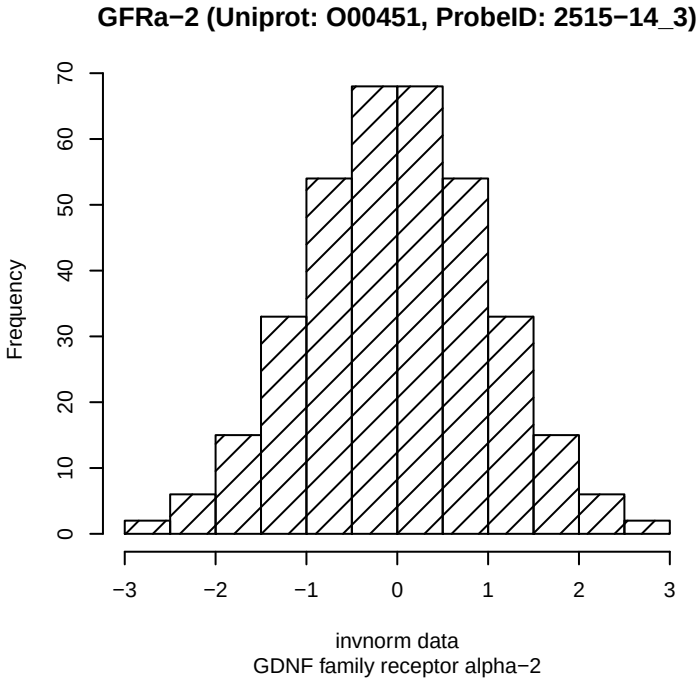

CAMK1 (Uniprot: Q14012, ProbeID: 3592−4_3)
invnorm data
−2
−1
0
1
2
G/G (279)
G/A (67)
A/A (7)
rs12241254 (Chr10:101329158)
Locus 438 top sentinel (tags KORA rs12241254), p=0.28

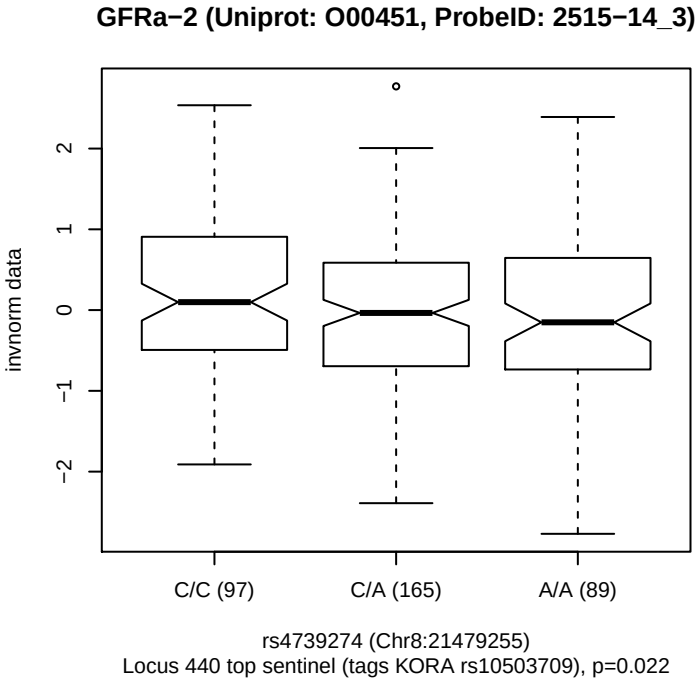

GFRa−2 (Uniprot: O00451, ProbeID: 2515−14_3)
Frequency
0
20
40
60
80
100
120
4000
6000
8000
10000
raw data
GDNF family receptor alpha−2

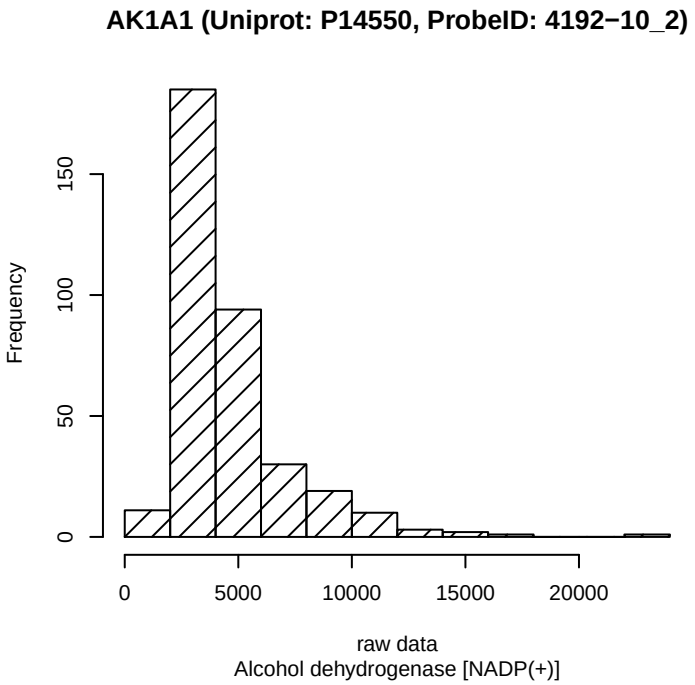

GFRa−2 (Uniprot: O00451, ProbeID: 2515−14_3)
raw data
3000
5000
7000
9000
C/C (97)
C/A (165)
A/A (89)
rs4739274 (Chr8:21479255)
Locus 440 top sentinel (tags KORA rs10503709), p=0.034

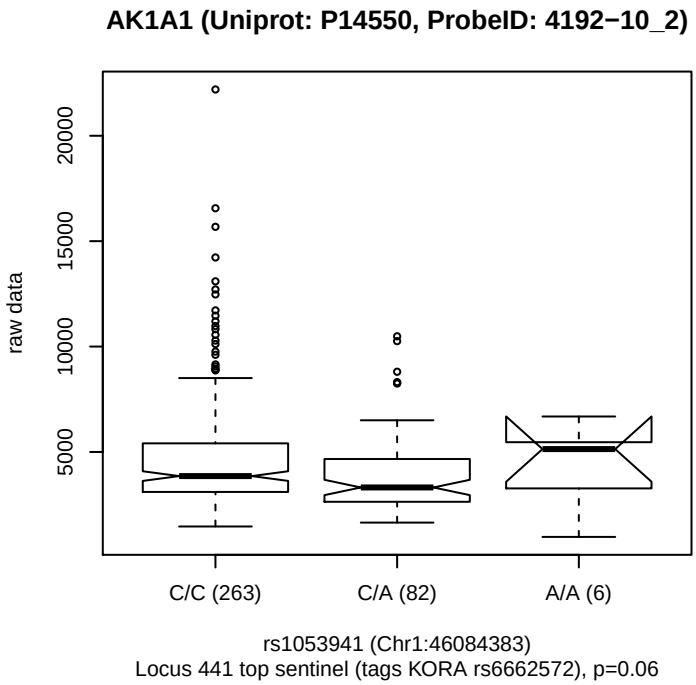

GFRa−2 (Uniprot: O00451, ProbeID: 2515−14_3)
Frequency
0
20
40
60
80
12.0
12.5
13.0
log2−scaled data
GDNF family receptor alpha−2

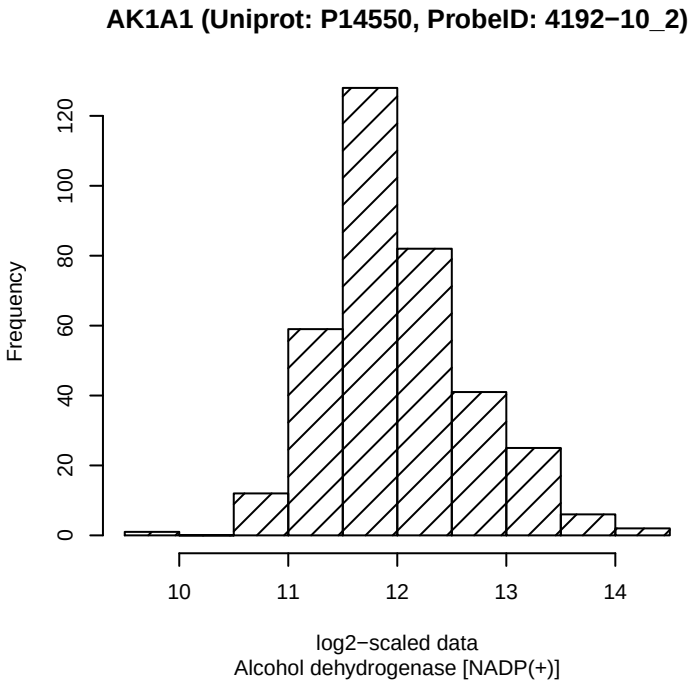

GFRa−2 (Uniprot: O00451, ProbeID: 2515−14_3)
log2−scaled data
12.0
12.5
13.0
C/C (97)
C/A (165)
A/A (89)
rs4739274 (Chr8:21479255)
Locus 440 top sentinel (tags KORA rs10503709), p=0.025, FC=−1.0272

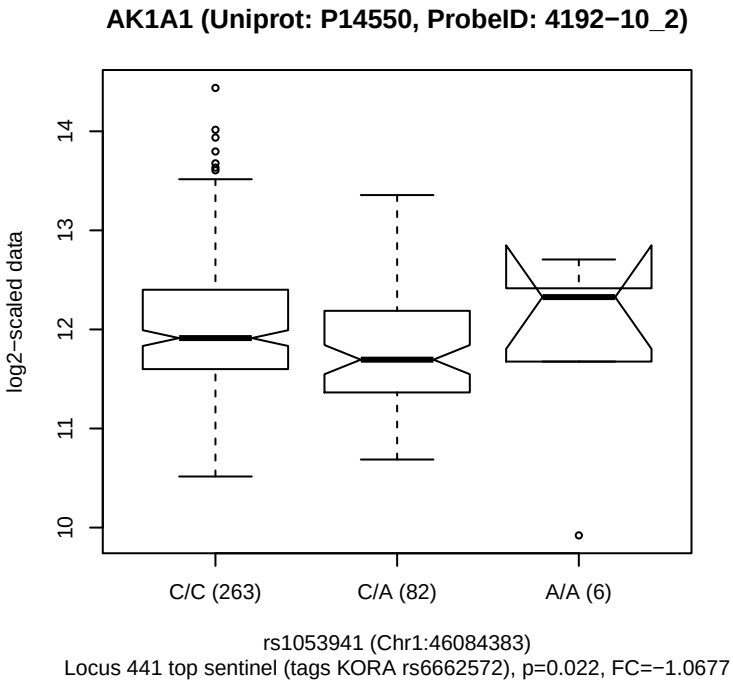

GFRa−2 (Uniprot: O00451, ProbeID: 2515−14_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
GDNF family receptor alpha−2

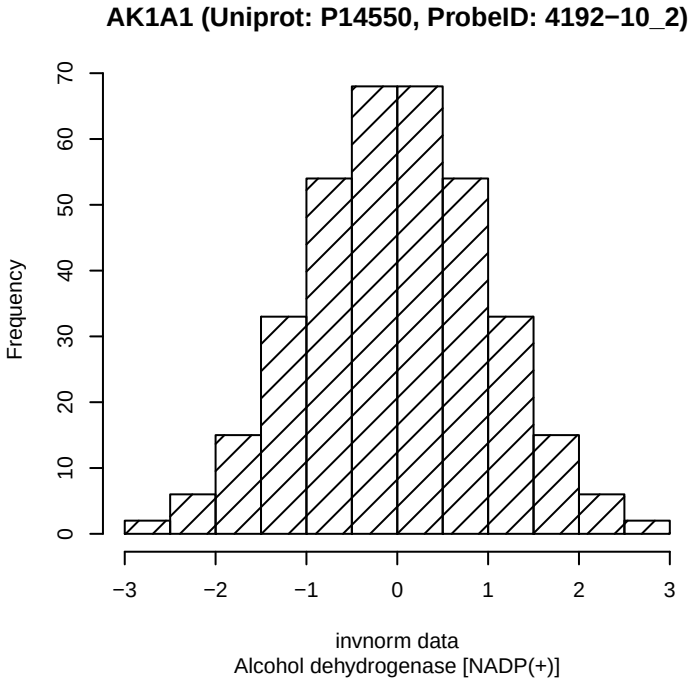

GFRa−2 (Uniprot: O00451, ProbeID: 2515−14_3)
invnorm data
−2
−1
0
1
2
C/C (97)
C/A (165)
A/A (89)
rs4739274 (Chr8:21479255)
Locus 440 top sentinel (tags KORA rs10503709), p=0.022

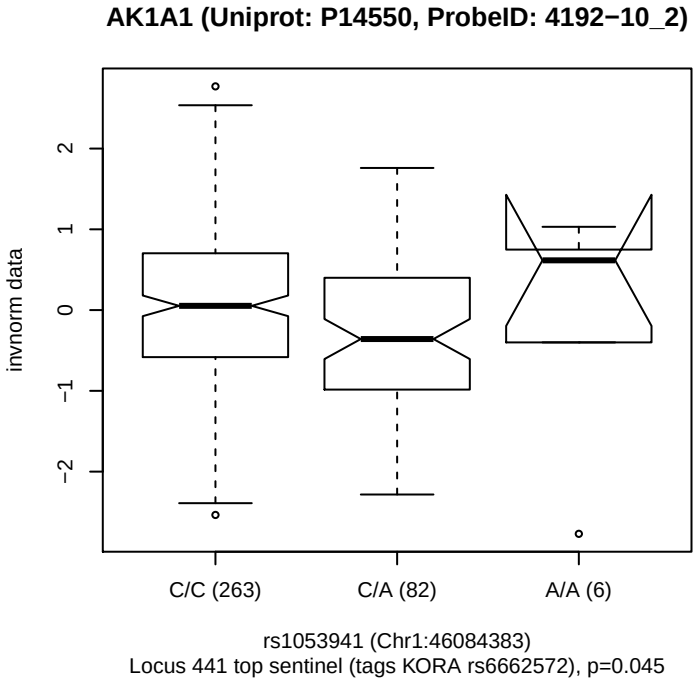

AK1A1 (Uniprot: P14550, ProbeID: 4192−10_2)
Frequency
0
50
100
150
0
5000
10000
15000
20000
raw data
Alcohol dehydrogenase [NADP(+)]

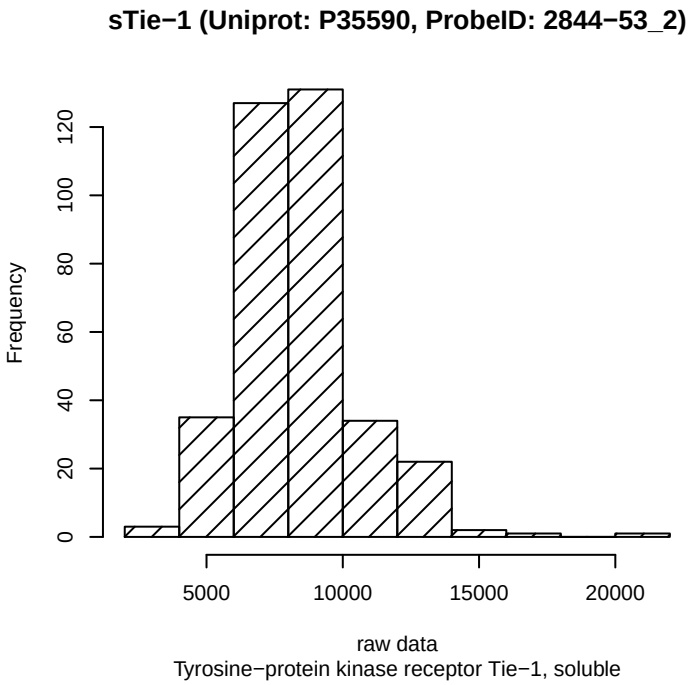

AK1A1 (Uniprot: P14550, ProbeID: 4192−10_2)
raw data
5000
10000
15000
20000
C/C (263)
C/A (82)
A/A (6)
rs1053941 (Chr1:46084383)
Locus 441 top sentinel (tags KORA rs6662572), p=0.06

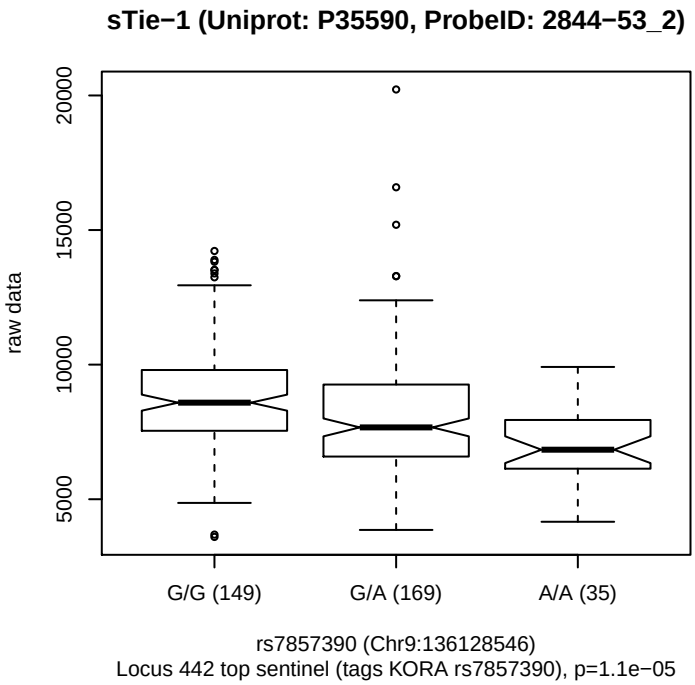

AK1A1 (Uniprot: P14550, ProbeID: 4192−10_2)
Frequency
0
20
40
60
80
100
120
10
11
12
13
14
log2−scaled data
Alcohol dehydrogenase [NADP(+)]

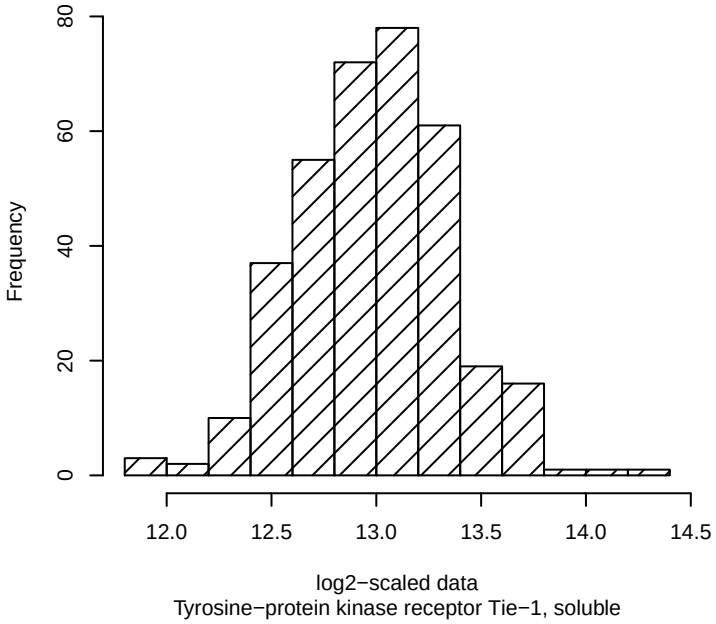

AK1A1 (Uniprot: P14550, ProbeID: 4192−10_2)
log2−scaled data
10
11
12
13
14
C/C (263)
C/A (82)
A/A (6)
rs1053941 (Chr1:46084383)
Locus 441 top sentinel (tags KORA rs6662572), p=0.022, FC=−1.0677

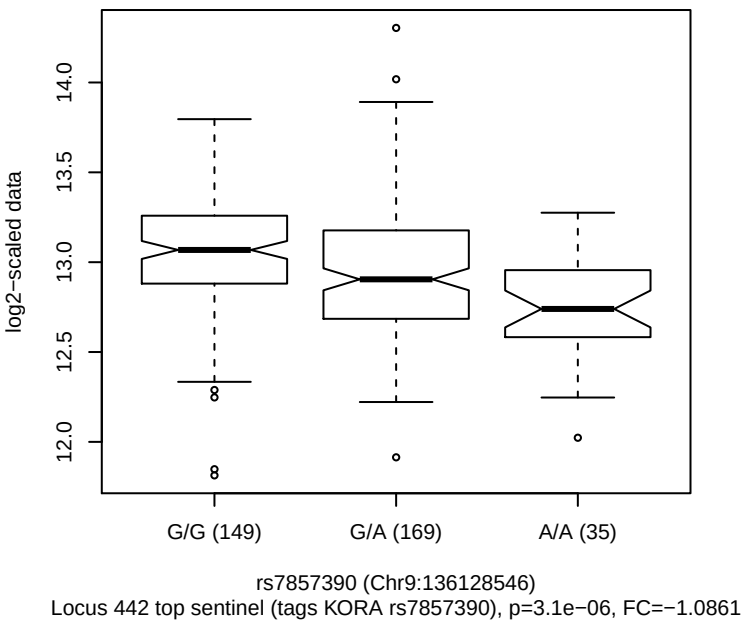

AK1A1 (Uniprot: P14550, ProbeID: 4192−10_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Alcohol dehydrogenase [NADP(+)]

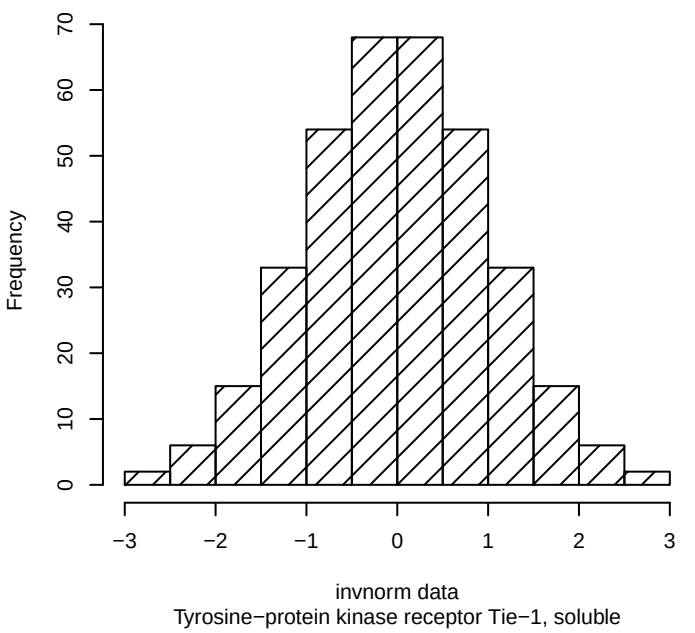

AK1A1 (Uniprot: P14550, ProbeID: 4192−10_2)
invnorm data
−2
−1
0
1
2
C/C (263)
C/A (82)
A/A (6)
rs1053941 (Chr1:46084383)
Locus 441 top sentinel (tags KORA rs6662572), p=0.045

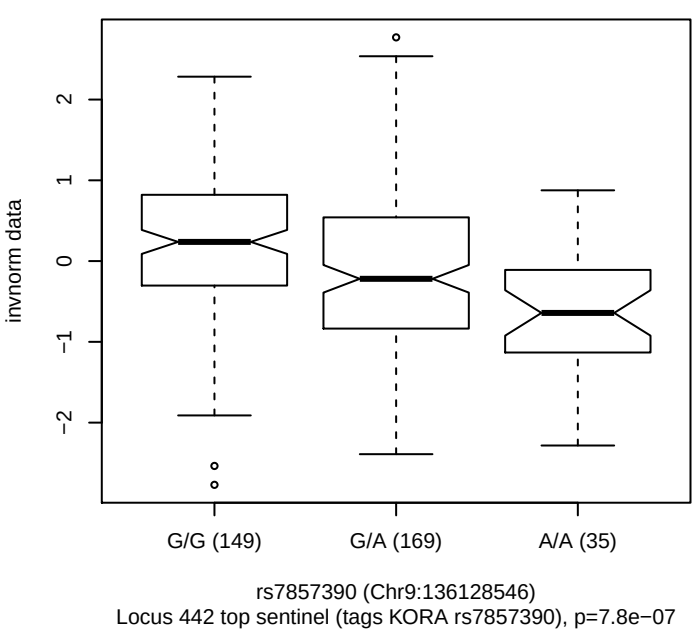

sTie−1 (Uniprot: P35590, ProbeID: 2844−53_2)
Frequency
0
20
40
60
80
100
120
5000
10000
15000
20000
raw data
Tyrosine−protein kinase receptor Tie−1, soluble

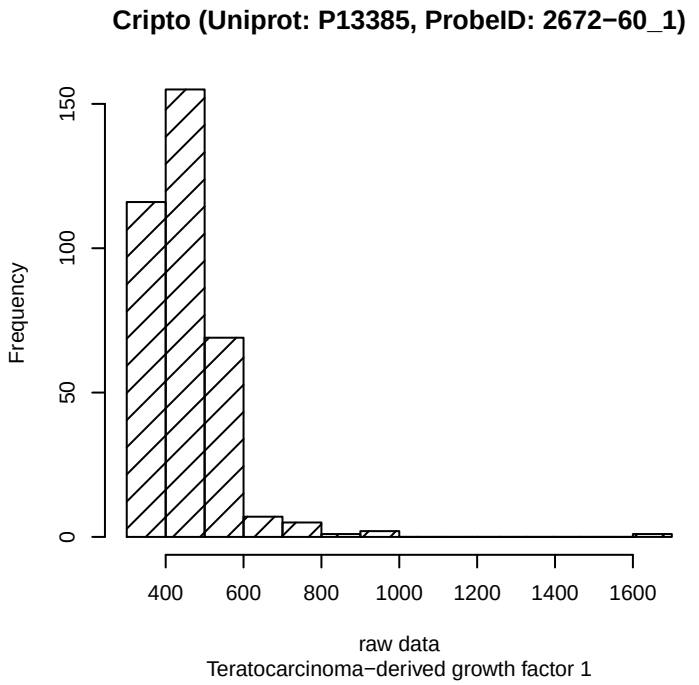

sTie−1 (Uniprot: P35590, ProbeID: 2844−53_2)
raw data
5000
10000
15000
20000
G/G (149)
G/A (169)
A/A (35)
rs7857390 (Chr9:136128546)
Locus 442 top sentinel (tags KORA rs7857390), p=1.1e−05

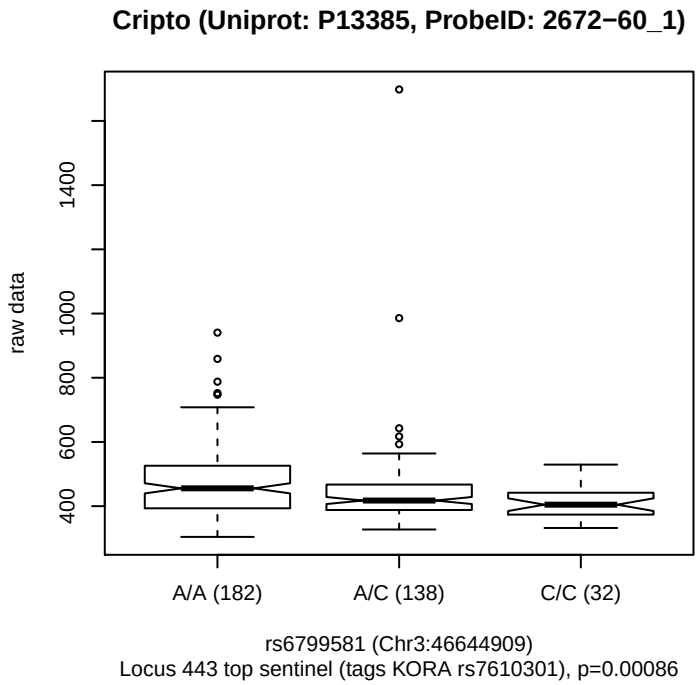

sTie−1 (Uniprot: P35590, ProbeID: 2844−53_2)
Frequency
0
20
40
60
80
12.0
12.5
13.0
13.5
14.0
14.5
log2−scaled data
Tyrosine−protein kinase receptor Tie−1, soluble

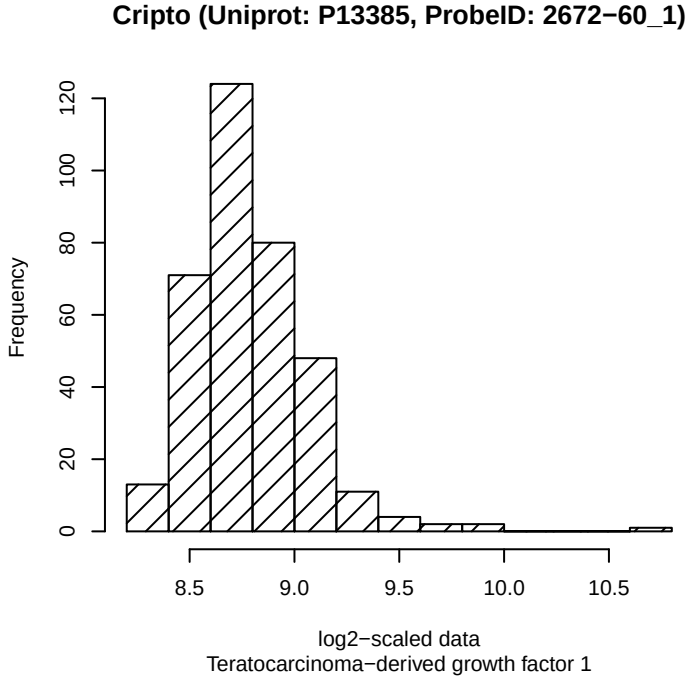

sTie−1 (Uniprot: P35590, ProbeID: 2844−53_2)
log2−scaled data
12.0
12.5
13.0
13.5
14.0
G/G (149)
G/A (169)
A/A (35)
rs7857390 (Chr9:136128546)
Locus 442 top sentinel (tags KORA rs7857390), p=3.1e−06, FC=−1.0861

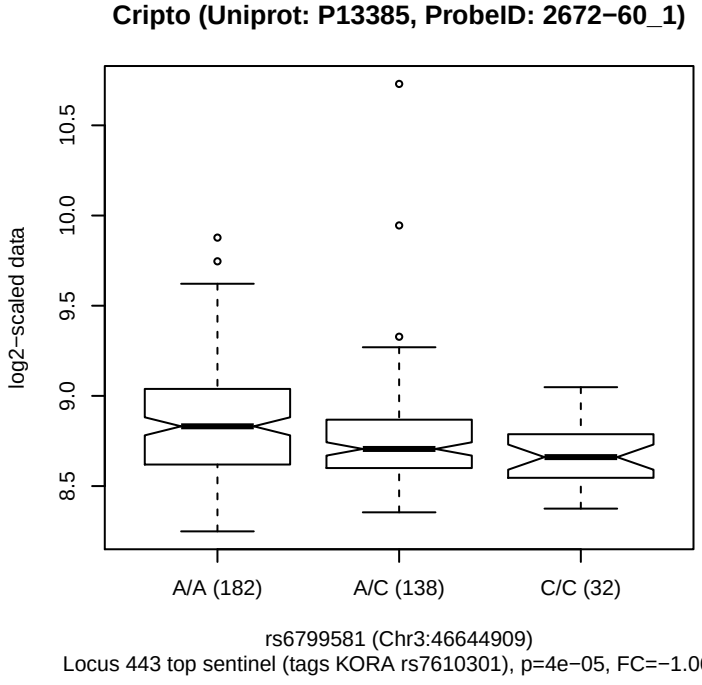

sTie−1 (Uniprot: P35590, ProbeID: 2844−53_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Tyrosine−protein kinase receptor Tie−1, soluble

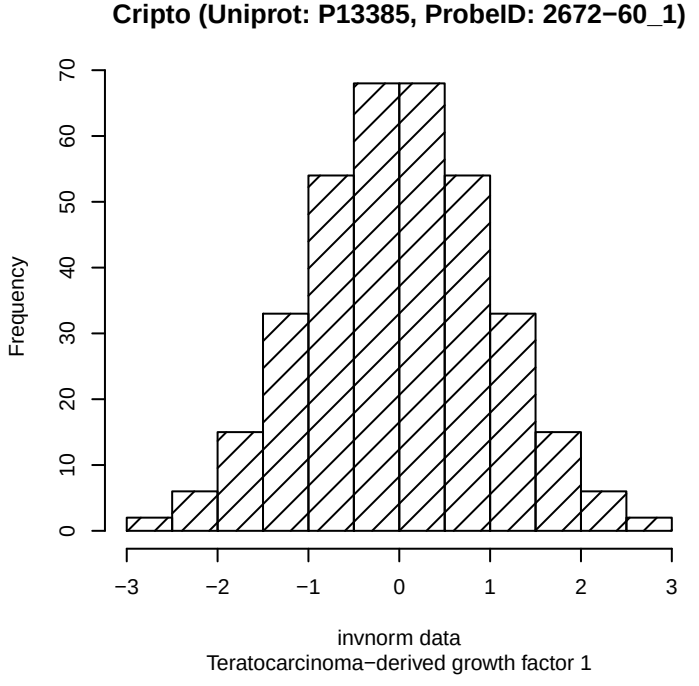

sTie−1 (Uniprot: P35590, ProbeID: 2844−53_2)
invnorm data
−2
−1
0
1
2
G/G (149)
G/A (169)
A/A (35)
rs7857390 (Chr9:136128546)
Locus 442 top sentinel (tags KORA rs7857390), p=7.8e−07

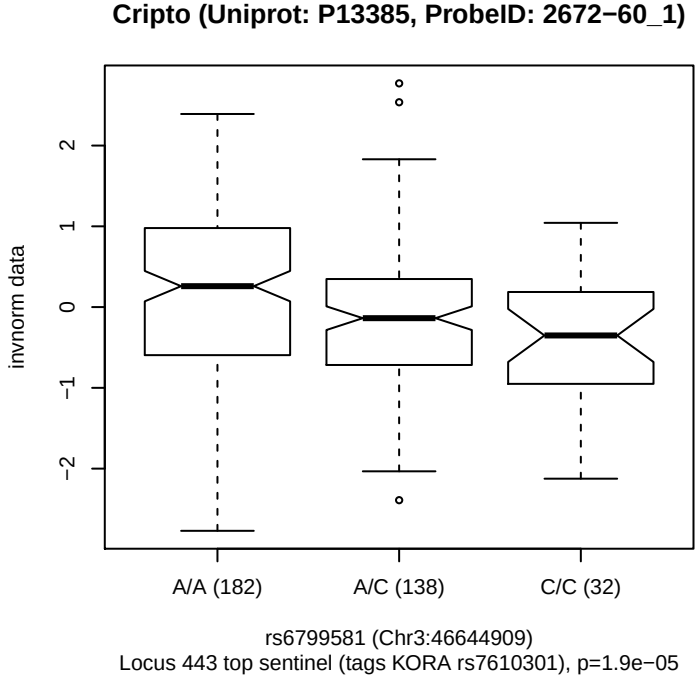

Cripto (Uniprot: P13385, ProbeID: 2672−60_1)
Frequency
0
50
100
150
400
600
800
1000
1200
1400
1600
raw data
Teratocarcinoma−derived growth factor 1

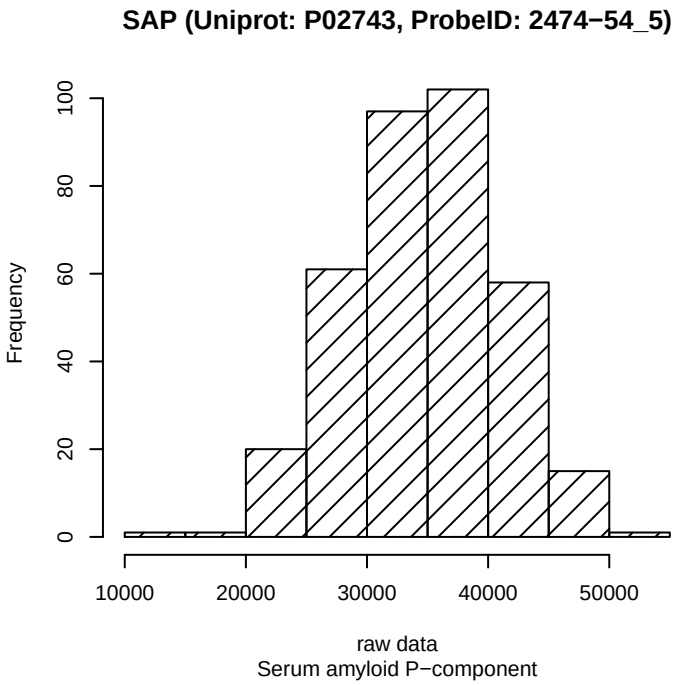

Cripto (Uniprot: P13385, ProbeID: 2672−60_1)
raw data
400
600
800
1000
1400
A/A (182)
A/C (138)
C/C (32)
rs6799581 (Chr3:46644909)
Locus 443 top sentinel (tags KORA rs7610301), p=0.00086

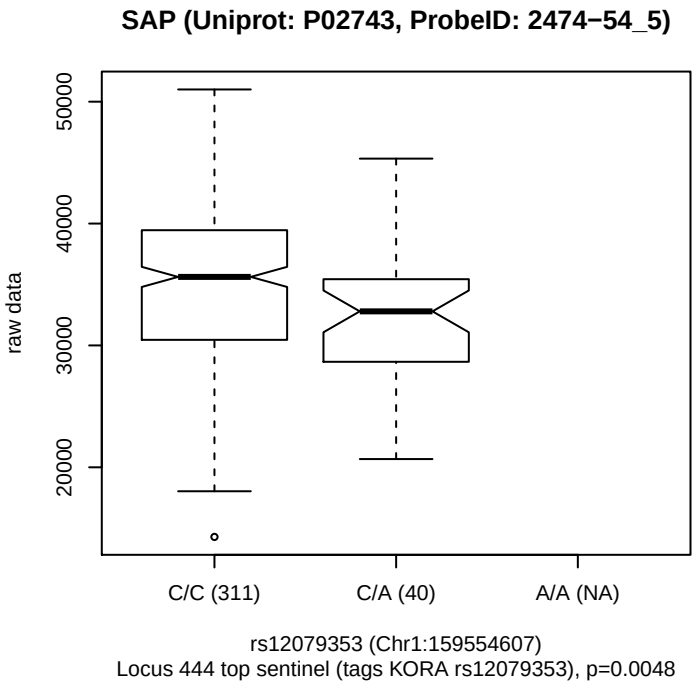

Cripto (Uniprot: P13385, ProbeID: 2672−60_1)
Frequency
0
20
40
60
80
100
120
8.5
9.0
9.5
10.0
10.5
log2−scaled data
Teratocarcinoma−derived growth factor 1

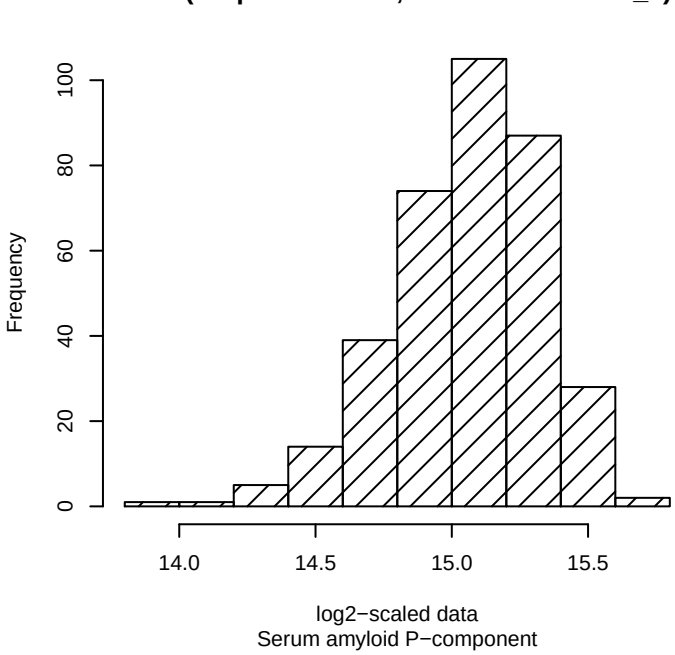

Cripto (Uniprot: P13385, ProbeID: 2672−60_1)
log2−scaled data
8.5
9.0
9.5
10.0
10.5
A/A (182)
A/C (138)
C/C (32)
rs6799581 (Chr3:46644909)
Locus 443 top sentinel (tags KORA rs7610301), p=4e−05, FC=−1.0686

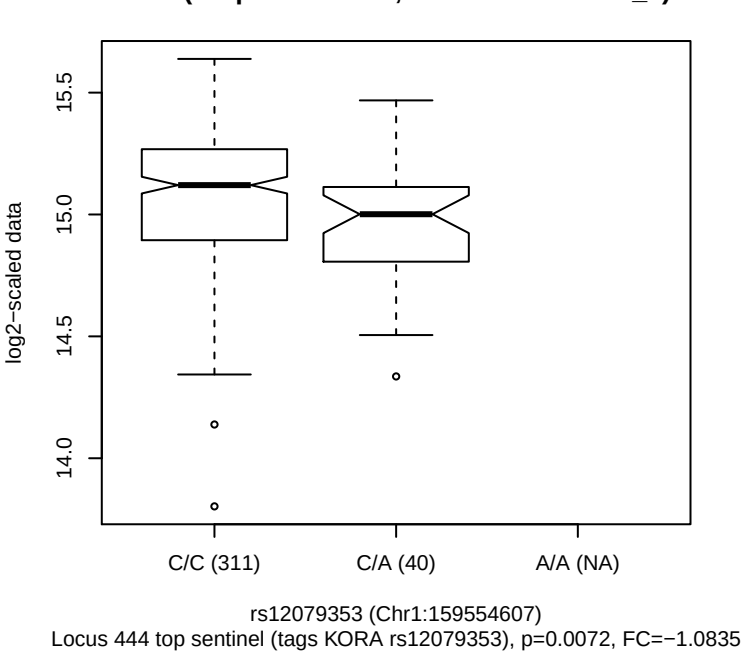

Cripto (Uniprot: P13385, ProbeID: 2672−60_1)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Teratocarcinoma−derived growth factor 1

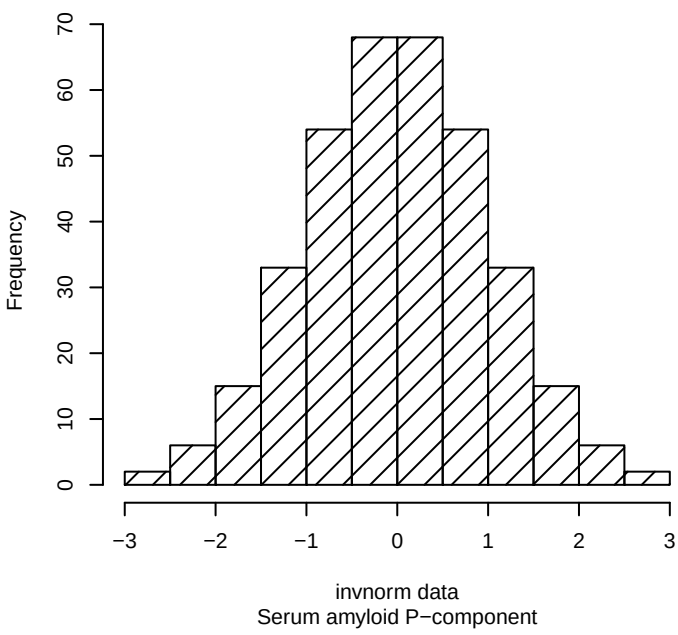

Cripto (Uniprot: P13385, ProbeID: 2672−60_1)
invnorm data
−2
−1
0
1
2
A/A (182)
A/C (138)
C/C (32)
rs6799581 (Chr3:46644909)
Locus 443 top sentinel (tags KORA rs7610301), p=1.9e−05

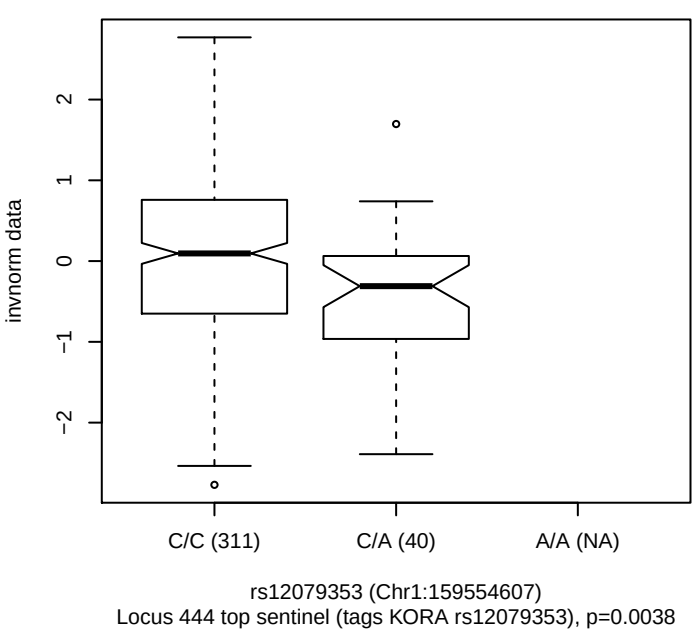

SAP (Uniprot: P02743, ProbeID: 2474−54_5)
Frequency
0
20
40
60
80
100
10000
20000
30000
40000
50000
raw data
Serum amyloid P−component

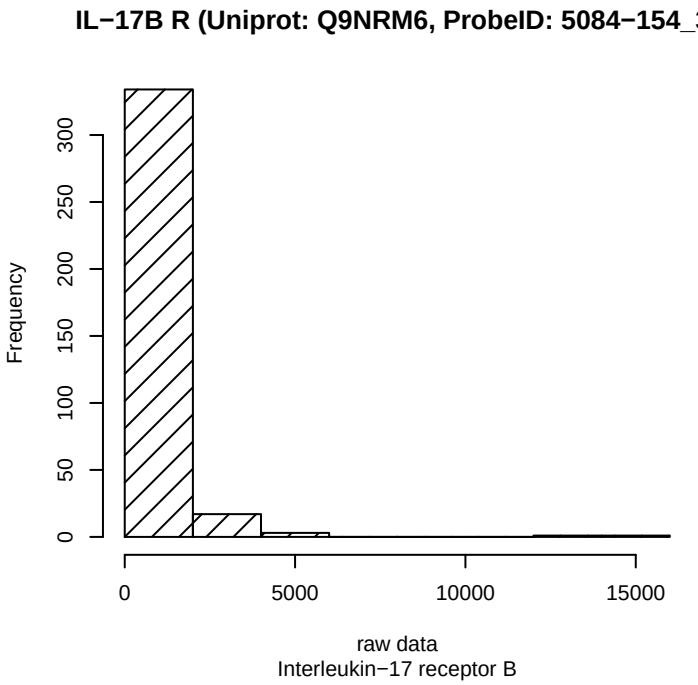

SAP (Uniprot: P02743, ProbeID: 2474−54_5)
raw data
20000
30000
40000
50000
C/C (311)
C/A (40)
A/A (NA)
rs12079353 (Chr1:159554607)
Locus 444 top sentinel (tags KORA rs12079353), p=0.0048

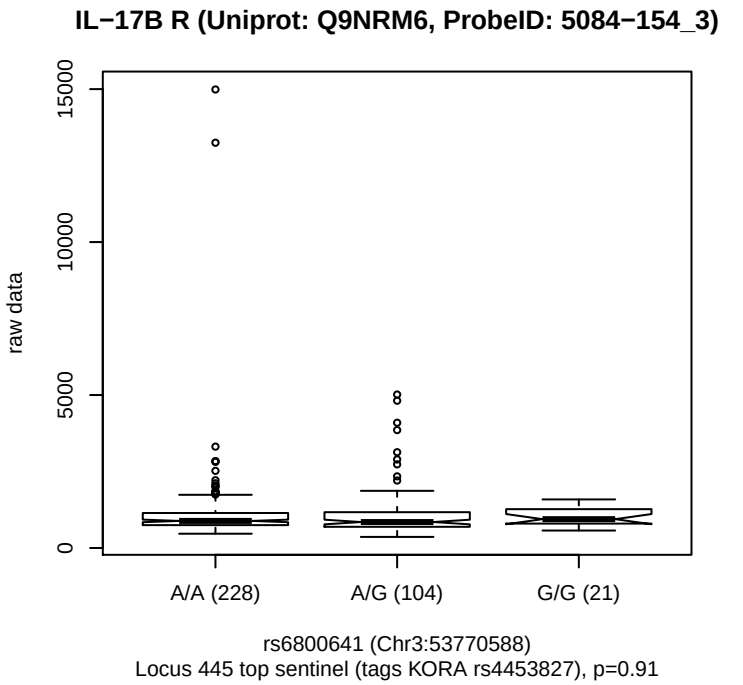

SAP (Uniprot: P02743, ProbeID: 2474−54_5)
Frequency
0
20
40
60
80
100
14.0
14.5
15.0
15.5
log2−scaled data
Serum amyloid P−component

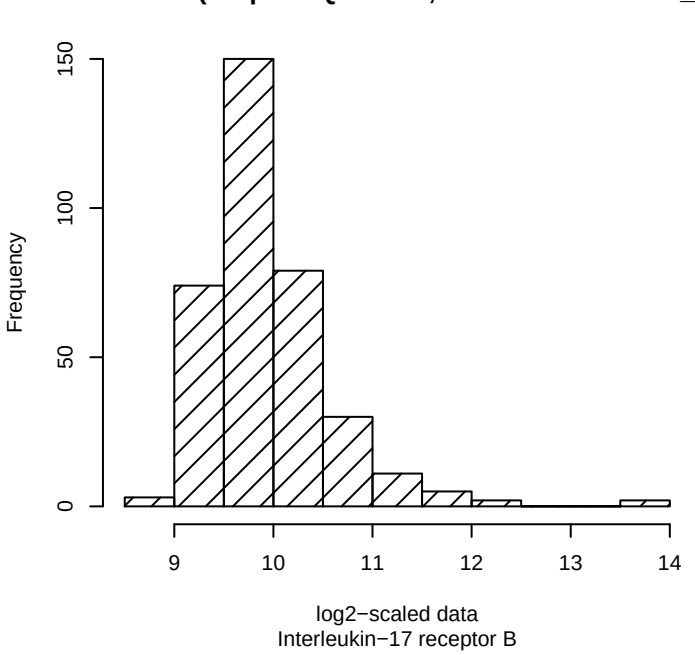

SAP (Uniprot: P02743, ProbeID: 2474−54_5)
log2−scaled data
14.0
14.5
15.0
15.5
C/C (311)
C/A (40)
A/A (NA)
rs12079353 (Chr1:159554607)
Locus 444 top sentinel (tags KORA rs12079353), p=0.0072, FC=−1.0835

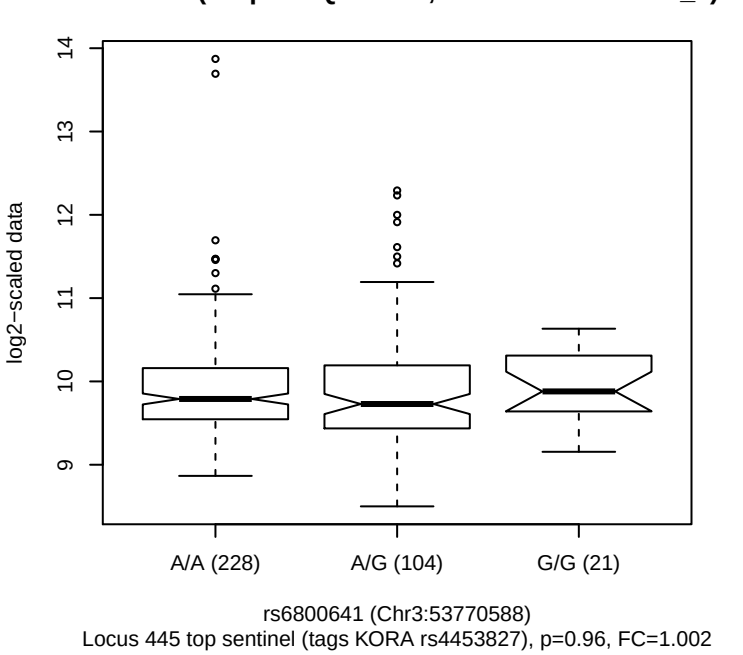

SAP (Uniprot: P02743, ProbeID: 2474−54_5)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Serum amyloid P−component

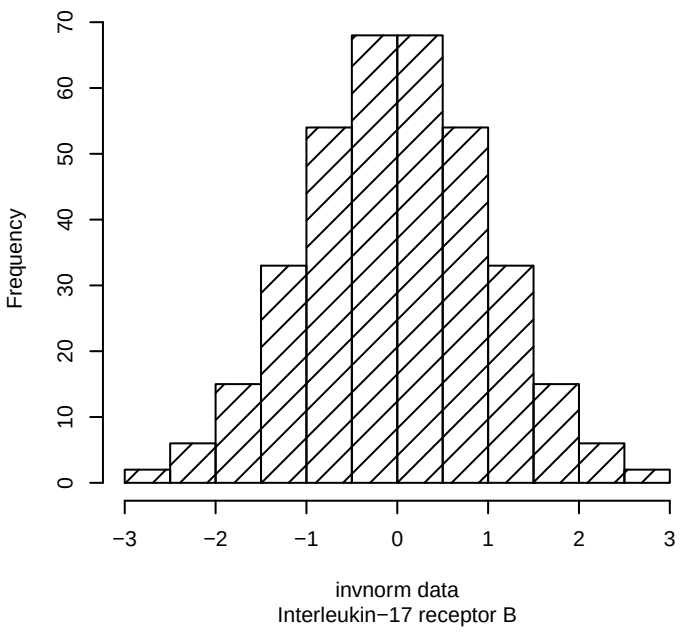

SAP (Uniprot: P02743, ProbeID: 2474−54_5)
invnorm data
−2
−1
0
1
2
C/C (311)
C/A (40)
A/A (NA)
rs12079353 (Chr1:159554607)
Locus 444 top sentinel (tags KORA rs12079353), p=0.0038

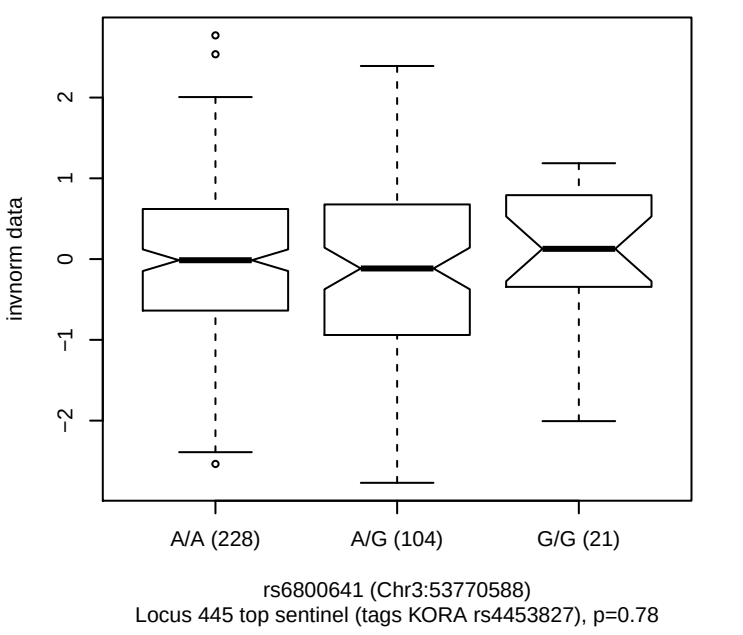

IL−17B R (Uniprot: Q9NRM6, ProbeID: 5084−154_3)
Frequency
0
50
100
150
200
250
300
0
5000
10000
15000
raw data
Interleukin−17 receptor B

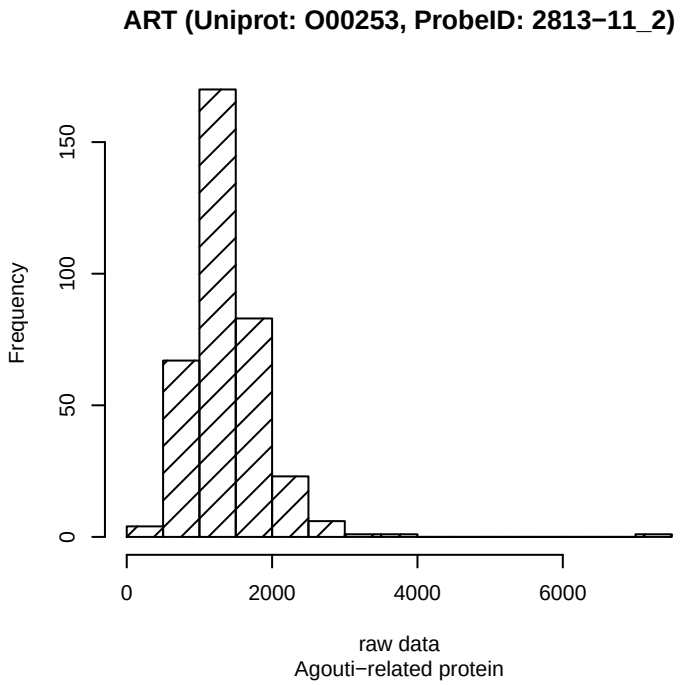

IL−17B R (Uniprot: Q9NRM6, ProbeID: 5084−154_3)
raw data
0
5000
10000
15000
A/A (228)
A/G (104)
G/G (21)
rs6800641 (Chr3:53770588)
Locus 445 top sentinel (tags KORA rs4453827), p=0.91

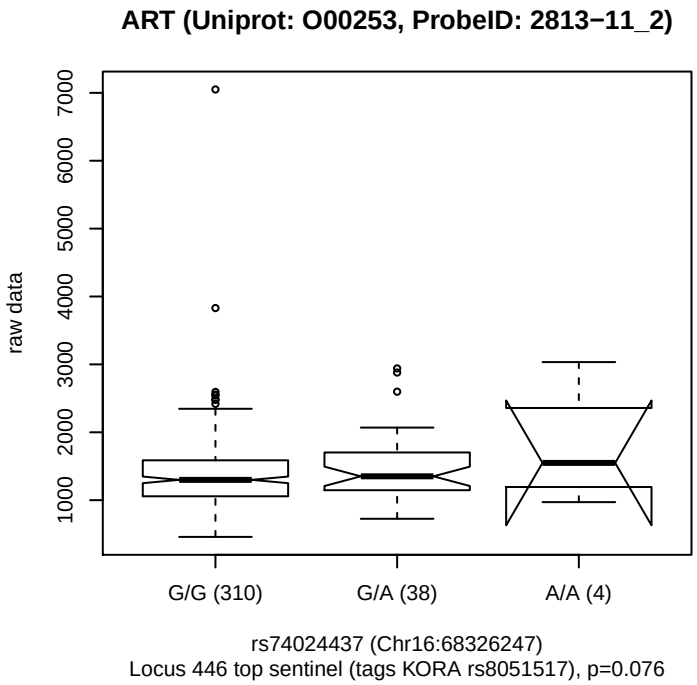

IL−17B R (Uniprot: Q9NRM6, ProbeID: 5084−154_3)
Frequency
0
50
100
150
9
10
11
12
13
14
log2−scaled data
Interleukin−17 receptor B

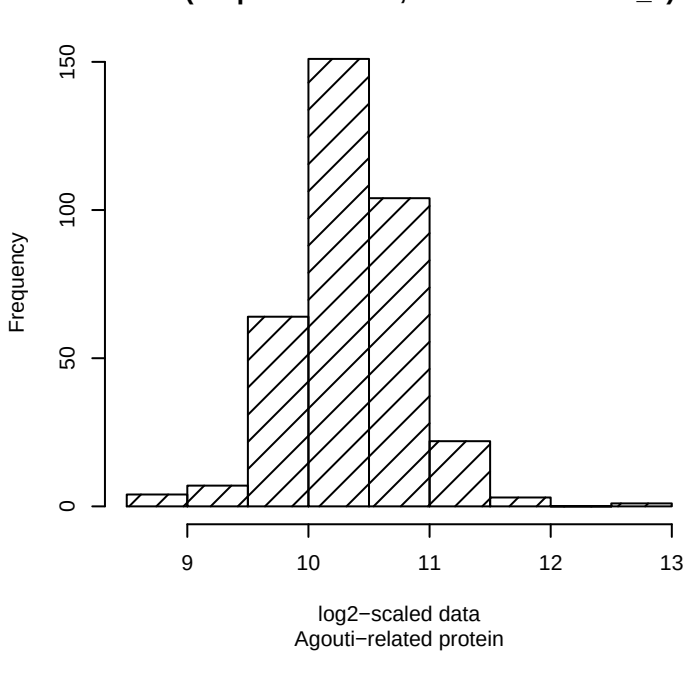

IL−17B R (Uniprot: Q9NRM6, ProbeID: 5084−154_3)
log2−scaled data
9
10
11
12
13
14
A/A (228)
A/G (104)
G/G (21)
rs6800641 (Chr3:53770588)
Locus 445 top sentinel (tags KORA rs4453827), p=0.96, FC=1.002

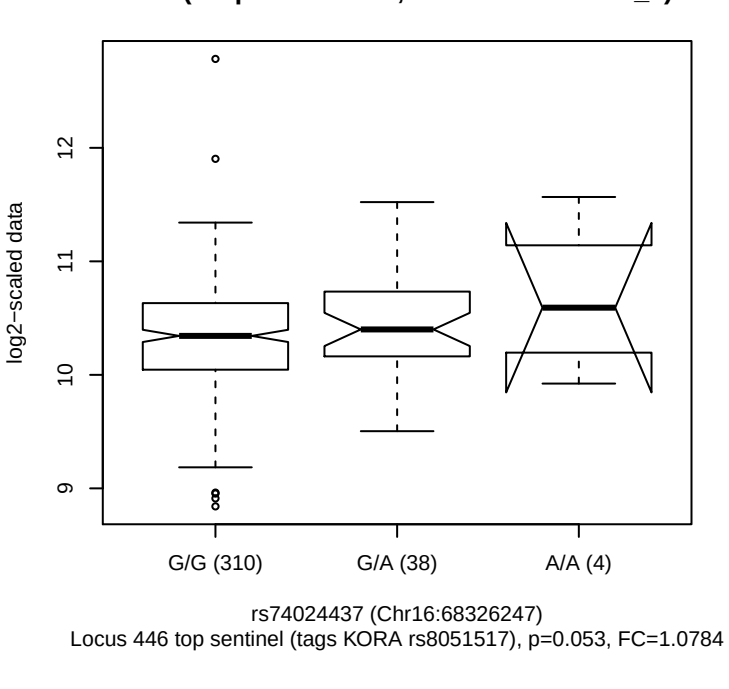

IL−17B R (Uniprot: Q9NRM6, ProbeID: 5084−154_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Interleukin−17 receptor B

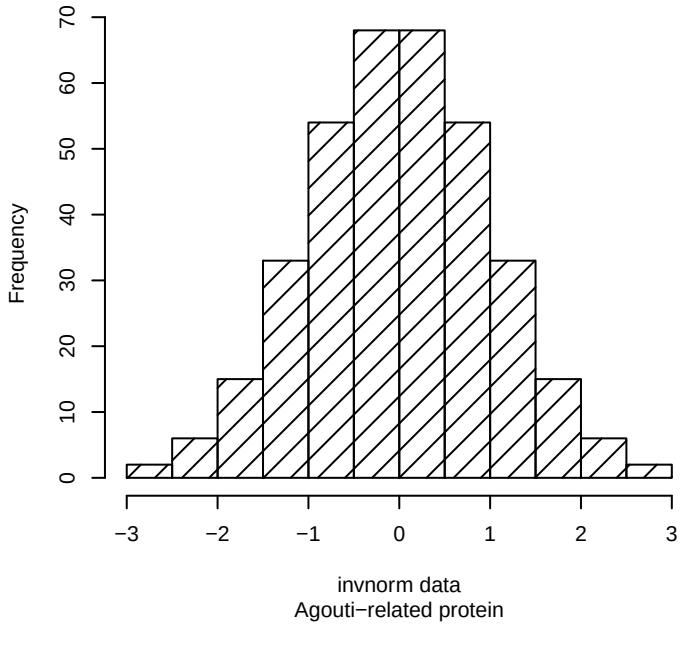

IL−17B R (Uniprot: Q9NRM6, ProbeID: 5084−154_3)
invnorm data
−2
−1
0
1
2
A/A (228)
A/G (104)
G/G (21)
rs6800641 (Chr3:53770588)
Locus 445 top sentinel (tags KORA rs4453827), p=0.78

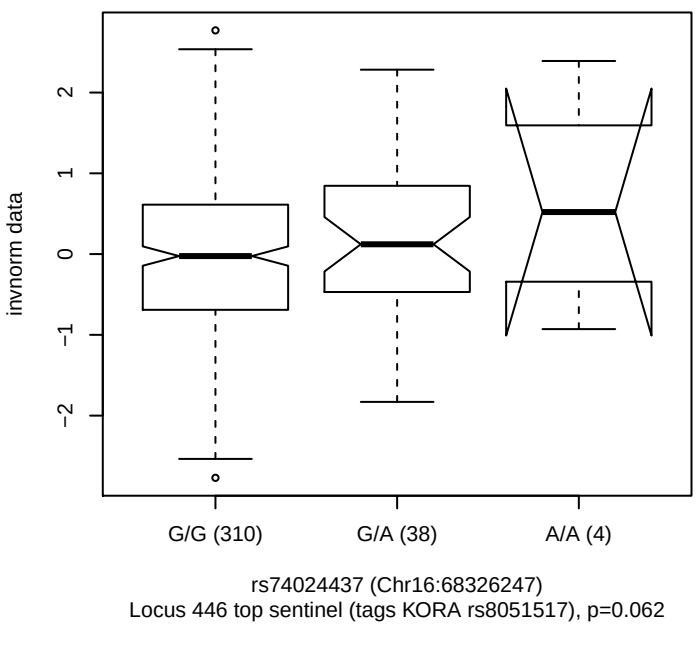

ART (Uniprot: O00253, ProbeID: 2813−11_2)
Frequency
0
50
100
150
0
2000
4000
6000
raw data
Agouti−related protein

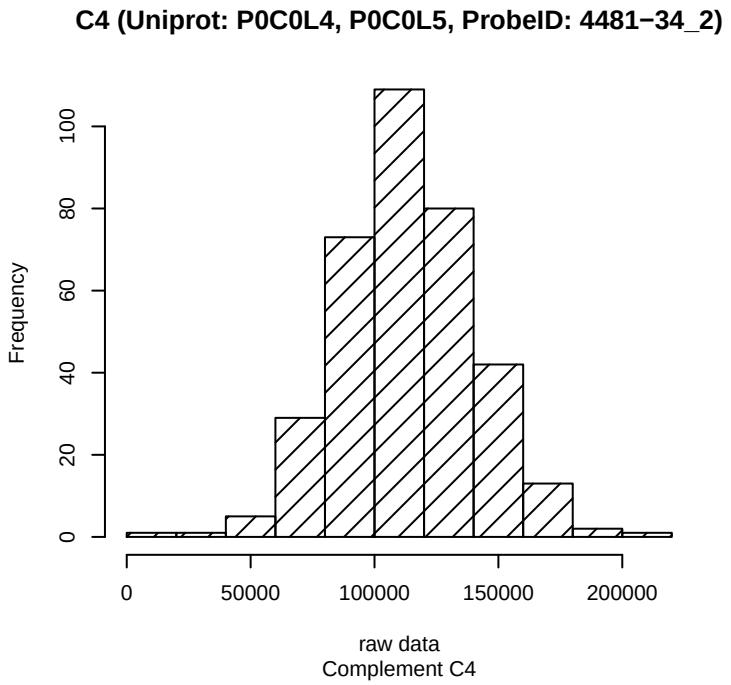

ART (Uniprot: O00253, ProbeID: 2813−11_2)
raw data
1000
2000
3000
4000
5000
6000
7000
G/G (310)
G/A (38)
A/A (4)
rs74024437 (Chr16:68326247)
Locus 446 top sentinel (tags KORA rs8051517), p=0.076

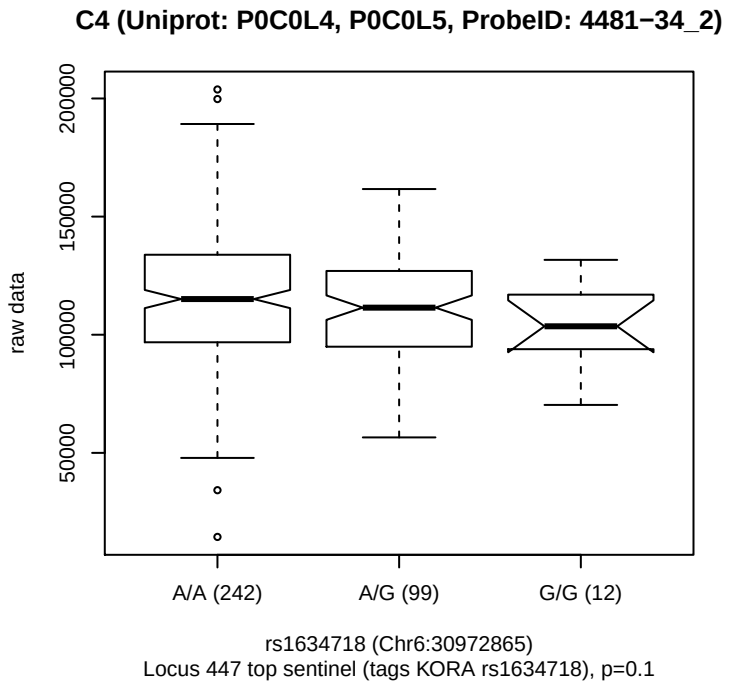

ART (Uniprot: O00253, ProbeID: 2813−11_2)
Frequency
0
50
100
150
9
10
11
12
13
log2−scaled data
Agouti−related protein

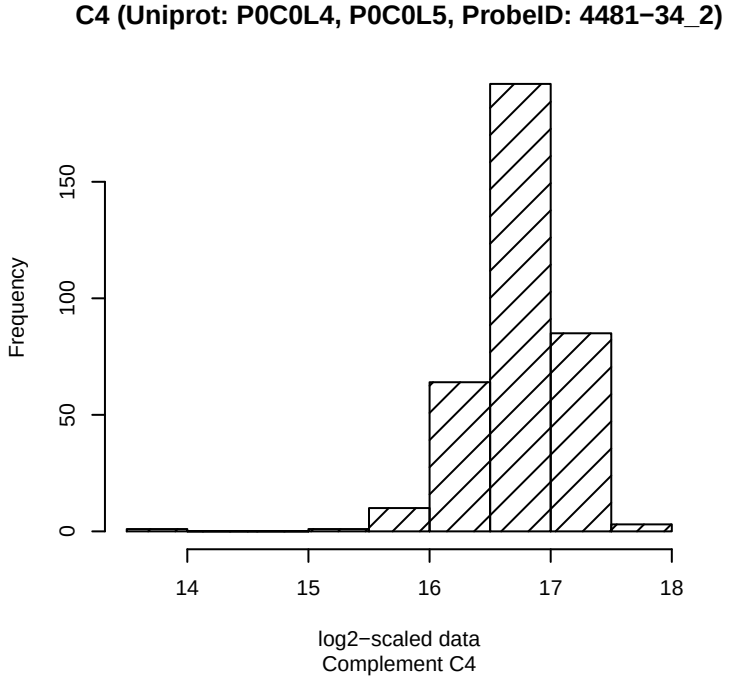

ART (Uniprot: O00253, ProbeID: 2813−11_2)
log2−scaled data
9
10
11
12
G/G (310)
G/A (38)
A/A (4)
rs74024437 (Chr16:68326247)
Locus 446 top sentinel (tags KORA rs8051517), p=0.053, FC=1.0784

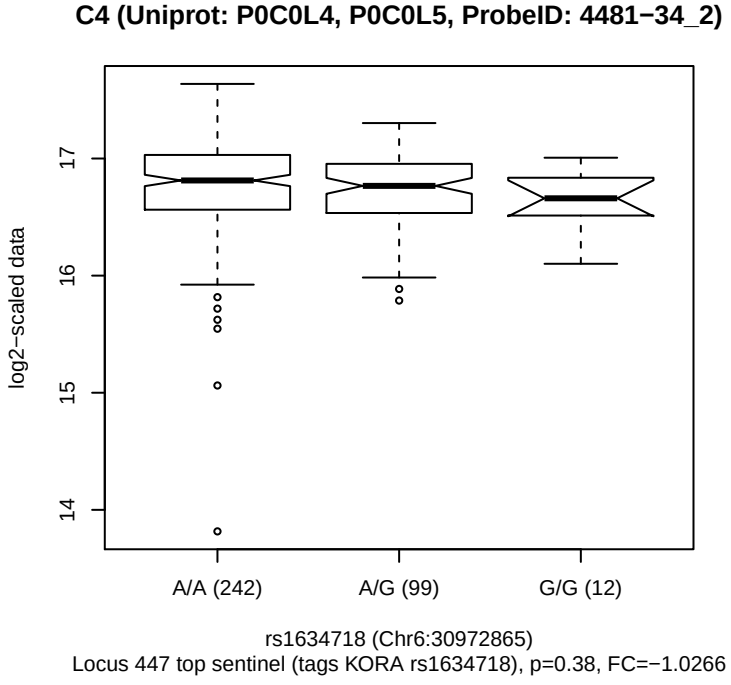

ART (Uniprot: O00253, ProbeID: 2813−11_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Agouti−related protein

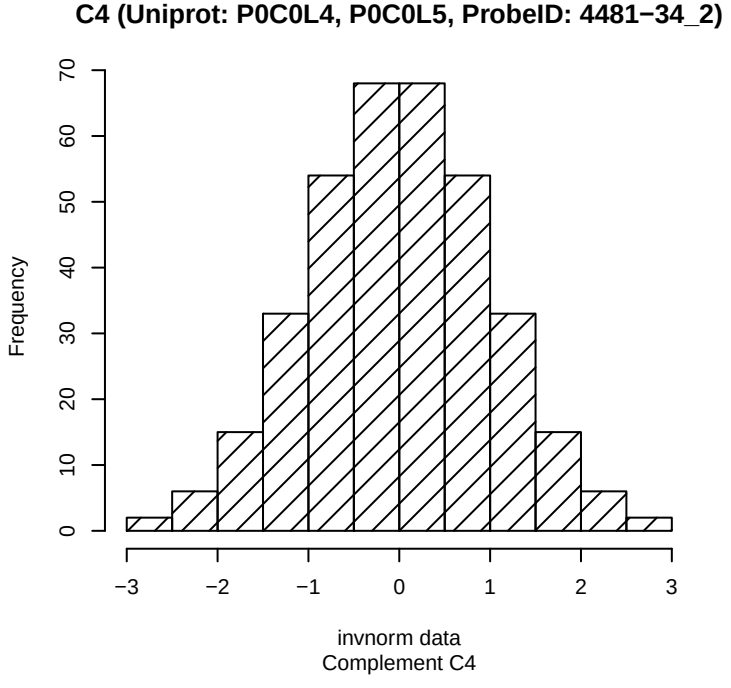

ART (Uniprot: O00253, ProbeID: 2813−11_2)
invnorm data
−2
−1
0
1
2
G/G (310)
G/A (38)
A/A (4)
rs74024437 (Chr16:68326247)
Locus 446 top sentinel (tags KORA rs8051517), p=0.062

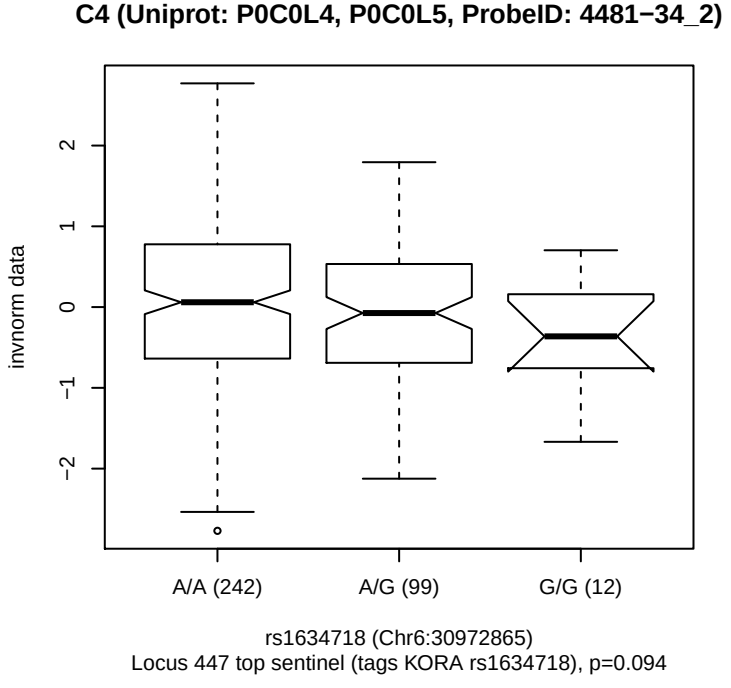

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
Frequency
0
20
40
60
80
100
0
50000
100000
150000
200000
raw data
Complement C4

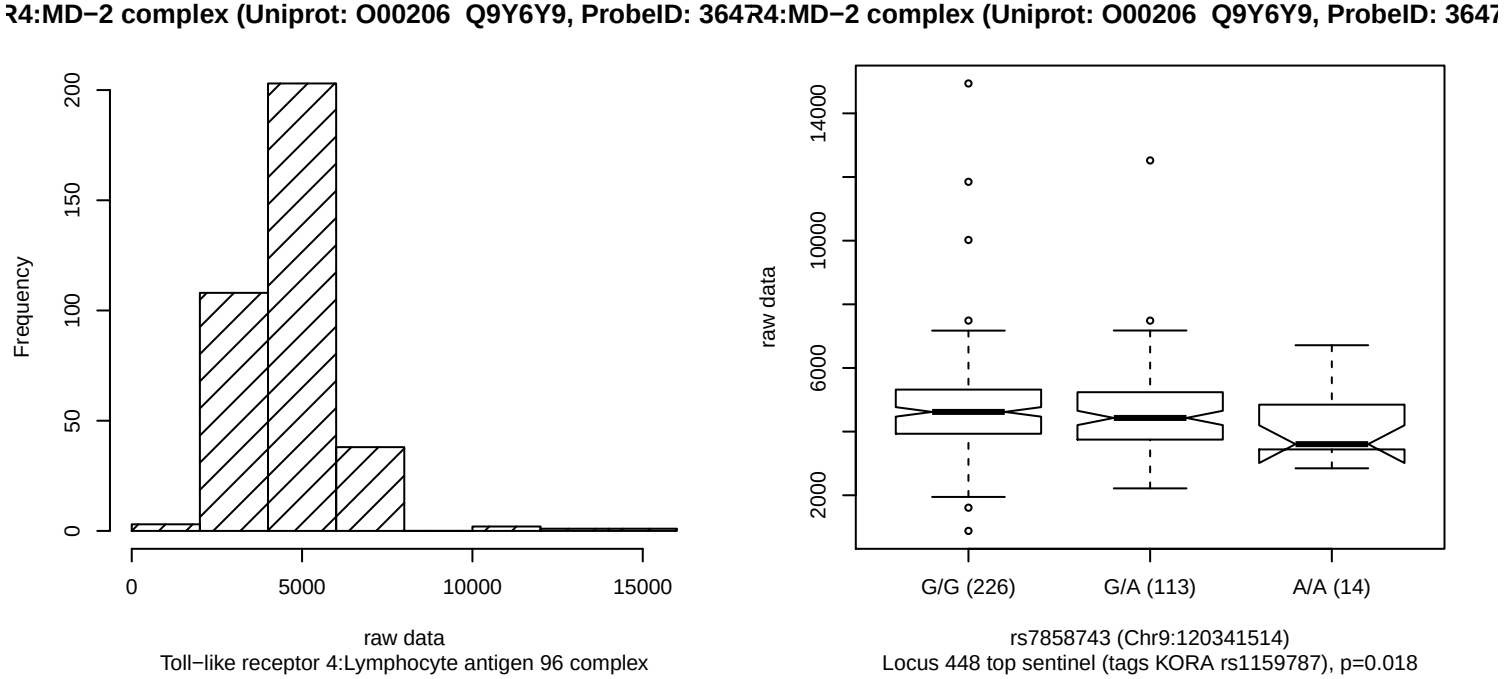

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
raw data
50000
100000
150000
200000
A/A (242)
A/G (99)
G/G (12)
rs1634718 (Chr6:30972865)
Locus 447 top sentinel (tags KORA rs1634718), p=0.1

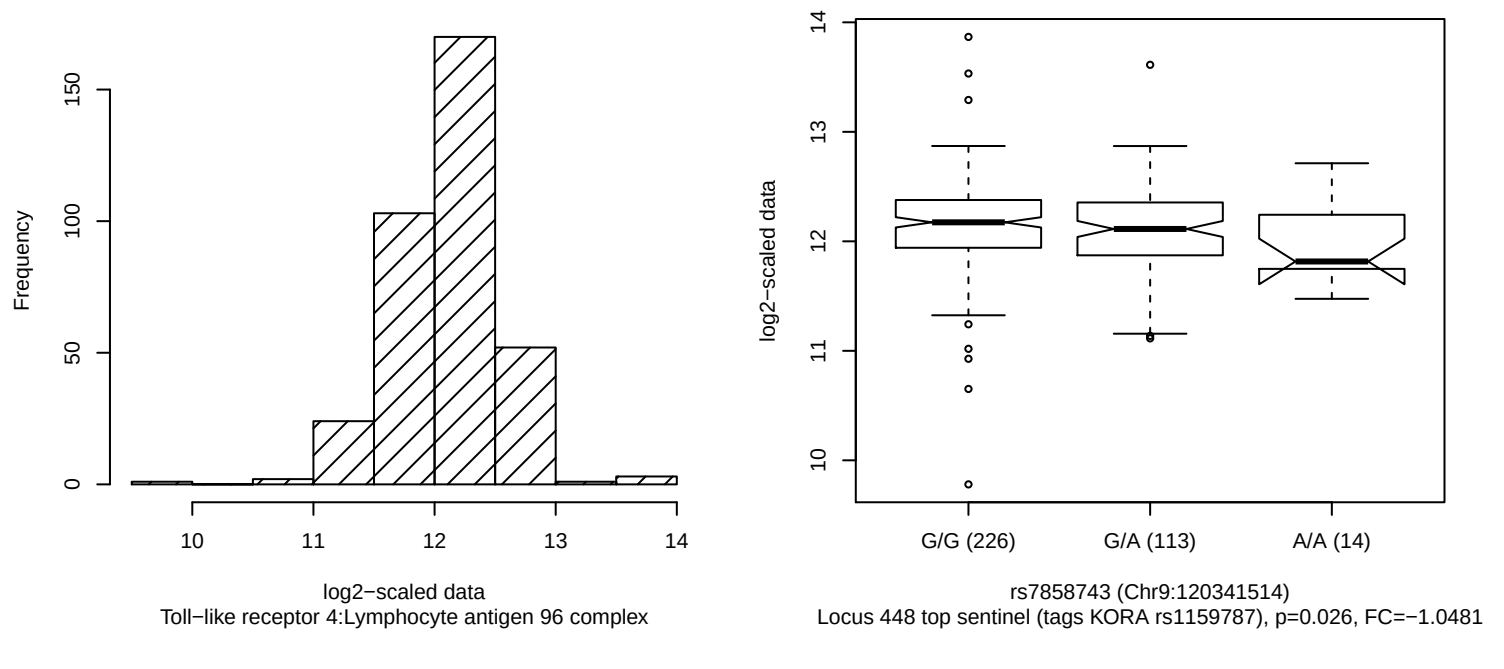

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
Frequency
0
50
100
150
14
15
16
17
18
log2−scaled data
Complement C4

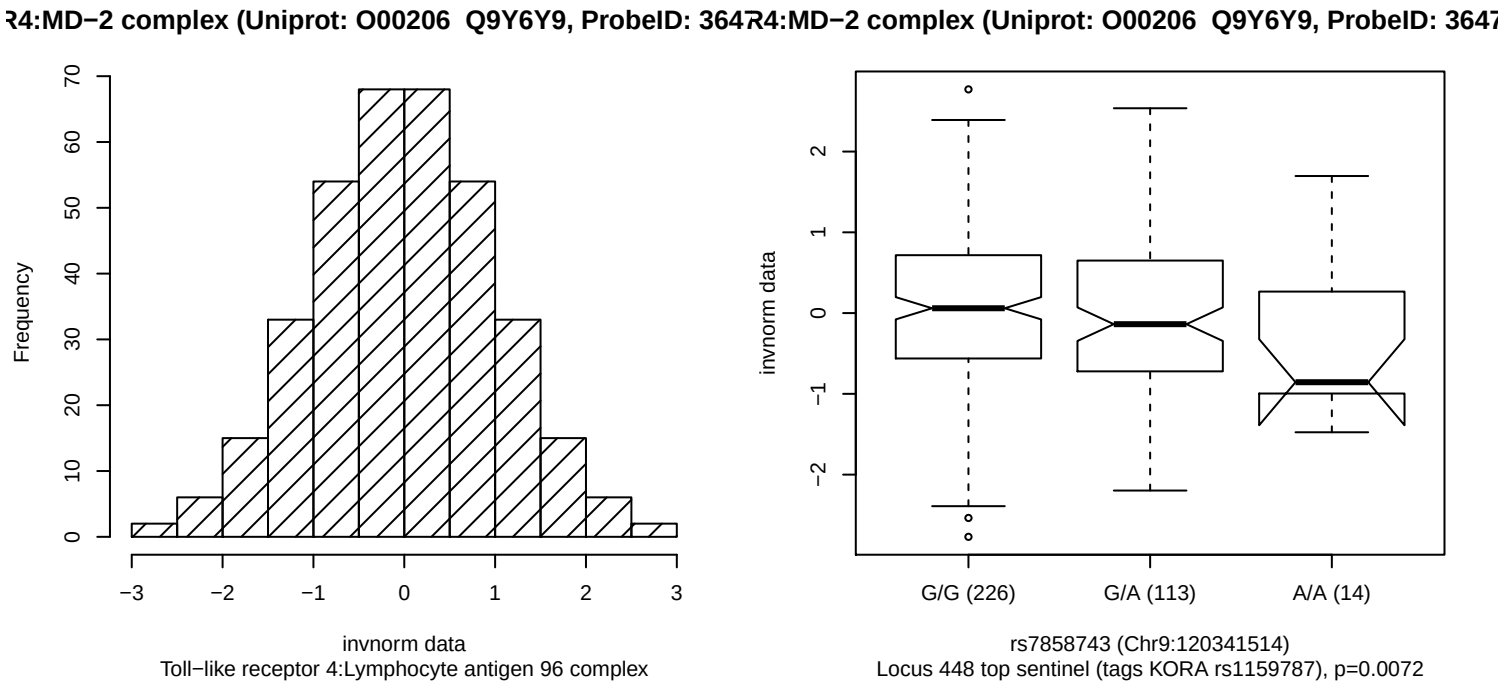

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
log2−scaled data
14
15
16
17
A/A (242)
A/G (99)
G/G (12)
rs1634718 (Chr6:30972865)
Locus 447 top sentinel (tags KORA rs1634718), p=0.38, FC=−1.0266

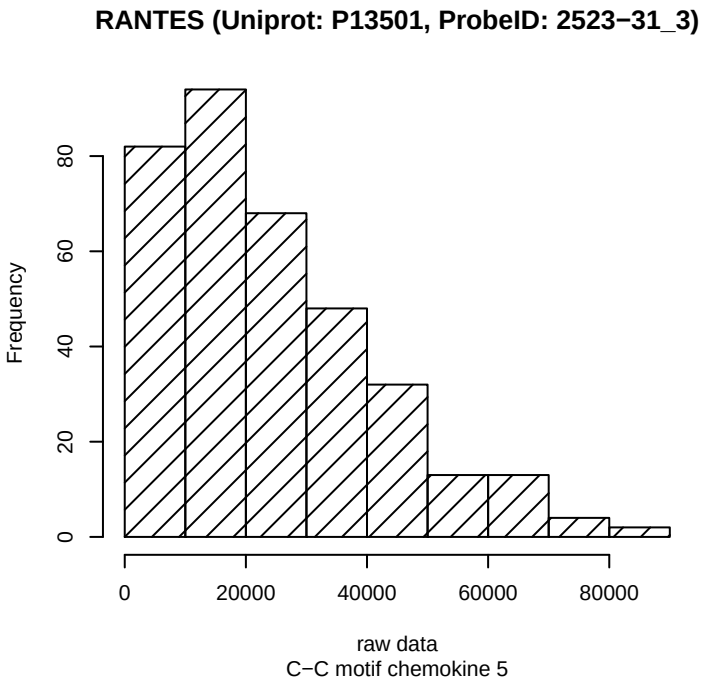

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Complement C4

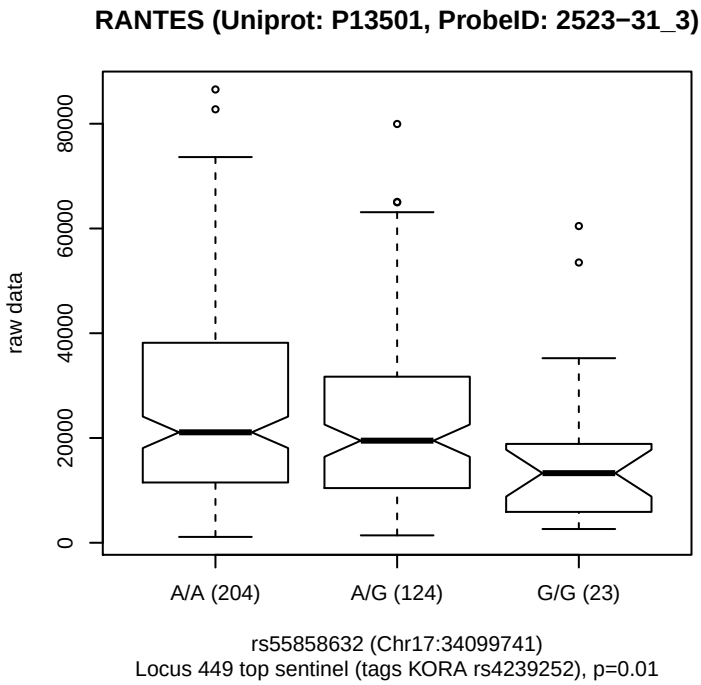

C4 (Uniprot: P0C0L4, P0C0L5, ProbeID: 4481−34_2)
invnorm data
−2
−1
0
1
2
A/A (242)
A/G (99)
G/G (12)
rs1634718 (Chr6:30972865)
Locus 447 top sentinel (tags KORA rs1634718), p=0.094

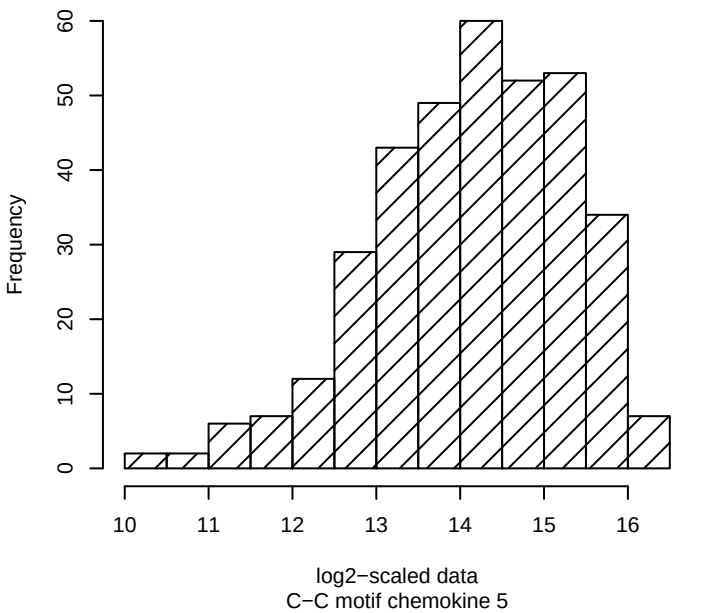

R4:MD−2 complex (Uniprot: O00206 Q9Y6Y9, ProbeID: 364
R4:MD−2 complex (Uniprot: O00206 Q9Y6Y9, ProbeID: 364
Frequency
0
50
100
150
200
0
5000
10000
15000
raw data
Toll−like receptor 4:Lymphocyte antigen 96 complex
raw data
2000
6000
10000
14000
G/G (226)
G/A (113)
A/A (14)
rs7858743 (Chr9:120341514)
Locus 448 top sentinel (tags KORA rs1159787), p=0.018

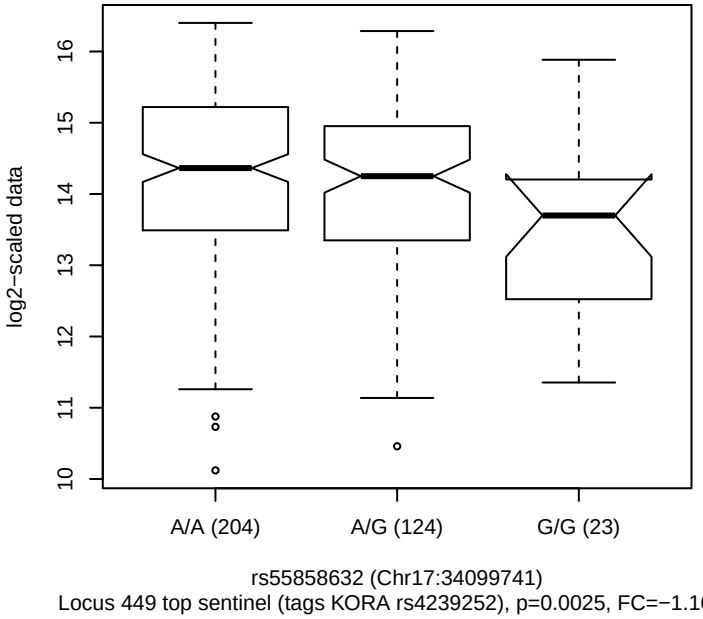

R4:MD−2 complex (Uniprot: O00206 Q9Y6Y9, ProbeID: 364
R4:MD−2 complex (Uniprot: O00206 Q9Y6Y9, ProbeID: 364
Frequency
0
50
100
150
10
11
12
13
14
log2−scaled data
Toll−like receptor 4:Lymphocyte antigen 96 complex
log2−scaled data
10
11
12
13
14
G/G (226)
G/A (113)
A/A (14)
rs7858743 (Chr9:120341514)
Locus 448 top sentinel (tags KORA rs1159787), p=0.026, FC=−1.0481

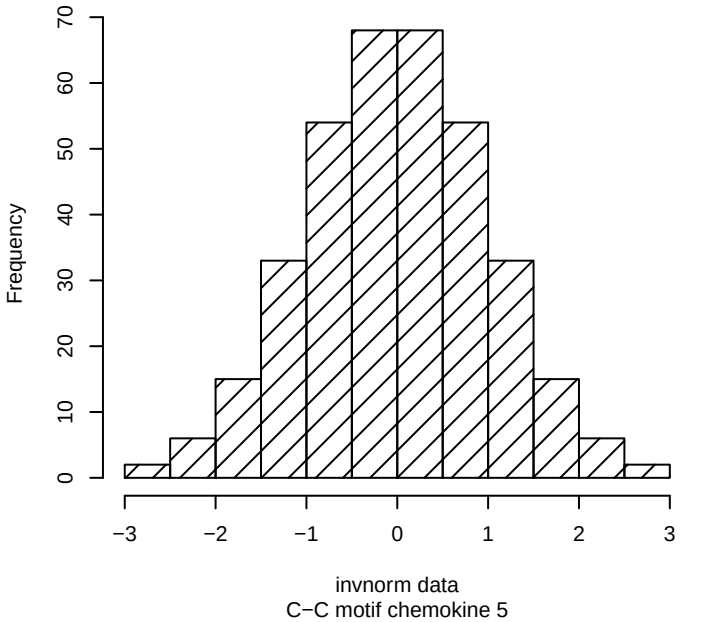

R4:MD−2 complex (Uniprot: O00206 Q9Y6Y9, ProbeID: 364
R4:MD−2 complex (Uniprot: O00206 Q9Y6Y9, ProbeID: 364
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Toll−like receptor 4:Lymphocyte antigen 96 complex
invnorm data
−2
−1
0
1
2
G/G (226)
G/A (113)
A/A (14)
rs7858743 (Chr9:120341514)
Locus 448 top sentinel (tags KORA rs1159787), p=0.0072

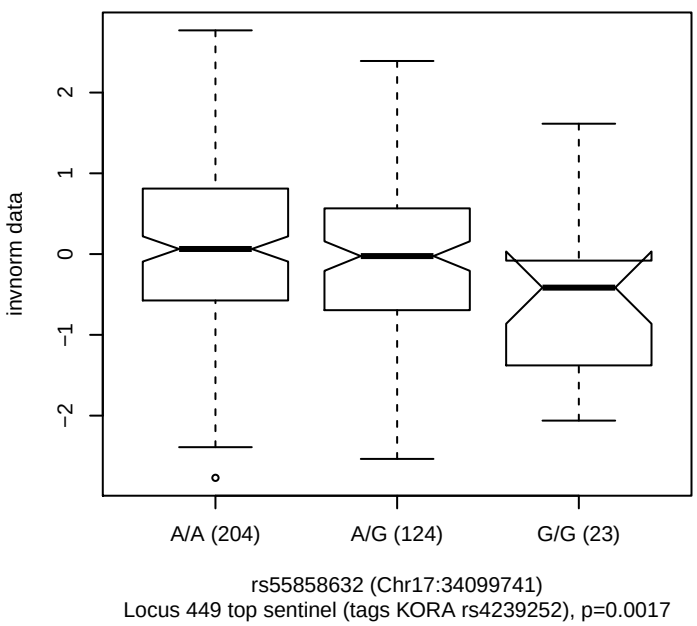

RANTES (Uniprot: P13501, ProbeID: 2523−31_3)
Frequency
0
20
40
60
80
0
20000
40000
60000
80000
raw data
C−C motif chemokine 5

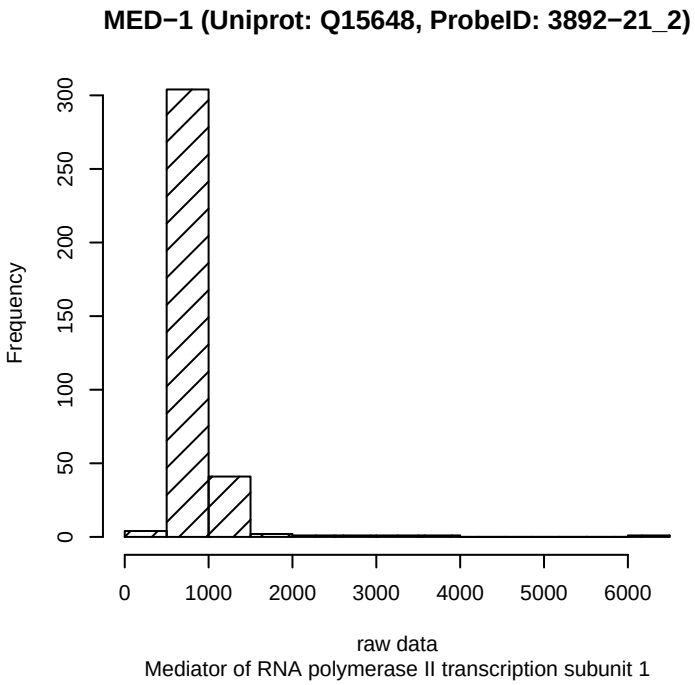

RANTES (Uniprot: P13501, ProbeID: 2523−31_3)
raw data
0
20000
40000
60000
80000
A/A (204)
A/G (124)
G/G (23)
rs55858632 (Chr17:34099741)
Locus 449 top sentinel (tags KORA rs4239252), p=0.01

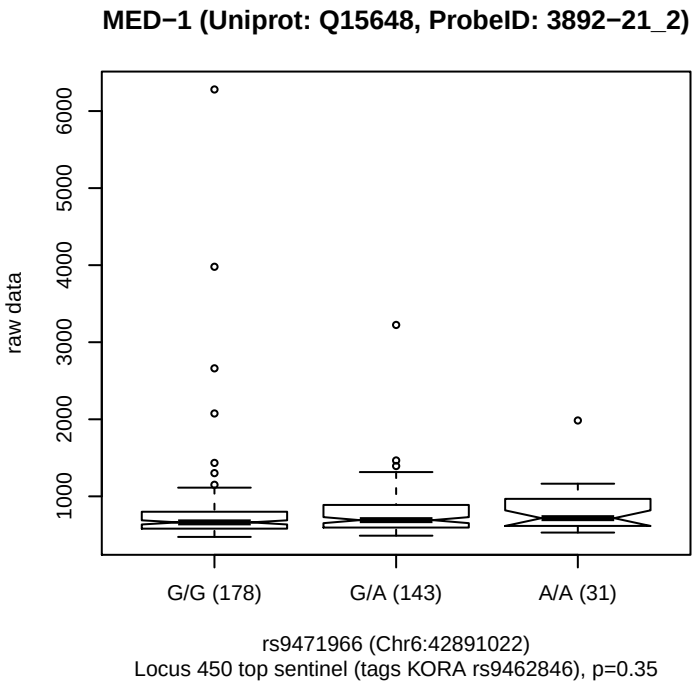

RANTES (Uniprot: P13501, ProbeID: 2523−31_3)
Frequency
0
10
20
30
40
50
60
10
11
12
13
14
15
16
log2−scaled data
C−C motif chemokine 5

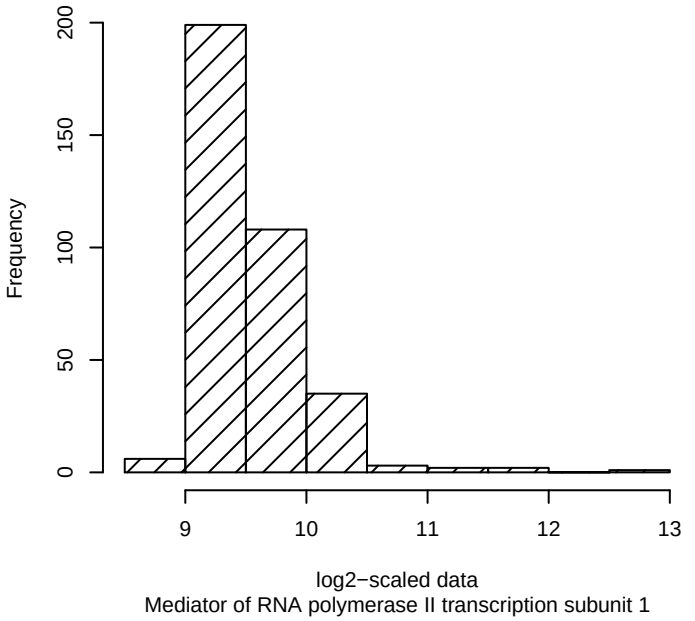

RANTES (Uniprot: P13501, ProbeID: 2523−31_3)
log2−scaled data
10
11
12
13
14
15
16
A/A (204)
A/G (124)
G/G (23)
rs55858632 (Chr17:34099741)
Locus 449 top sentinel (tags KORA rs4239252), p=0.0025, FC=−1.1638

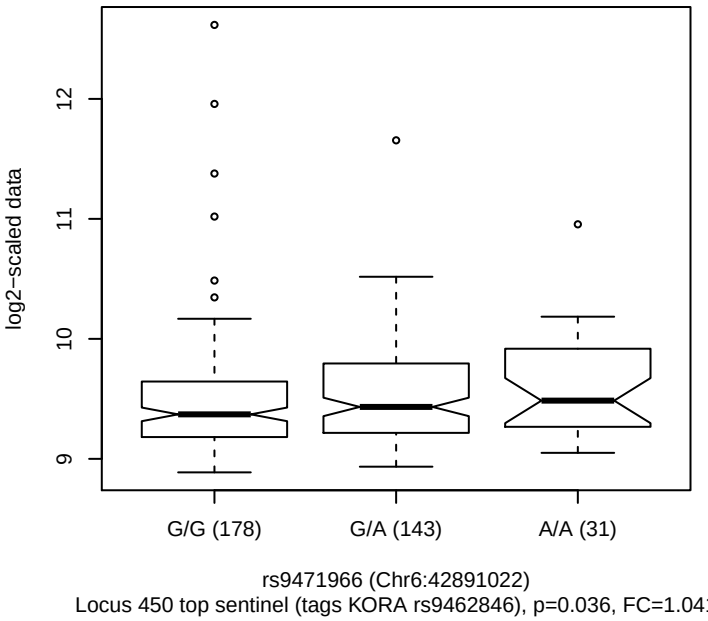

RANTES (Uniprot: P13501, ProbeID: 2523−31_3)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
C−C motif chemokine 5

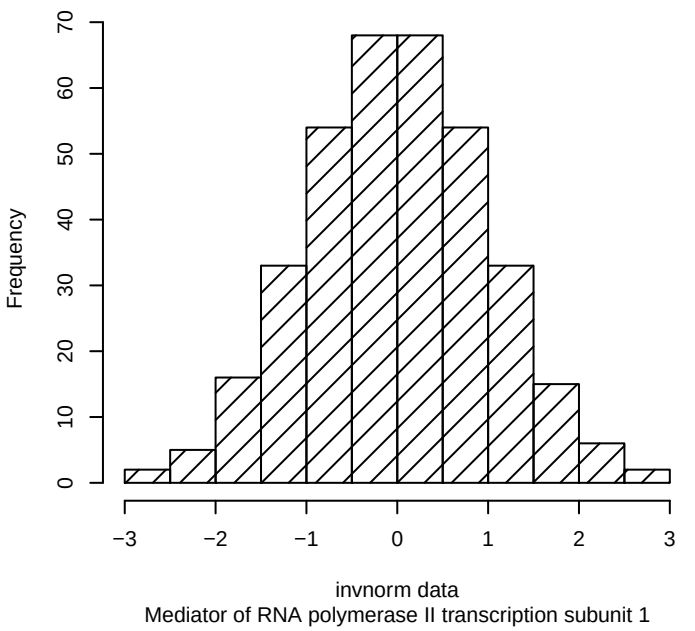

RANTES (Uniprot: P13501, ProbeID: 2523−31_3)
invnorm data
−2
−1
0
1
2
A/A (204)
A/G (124)
G/G (23)
rs55858632 (Chr17:34099741)
Locus 449 top sentinel (tags KORA rs4239252), p=0.0017

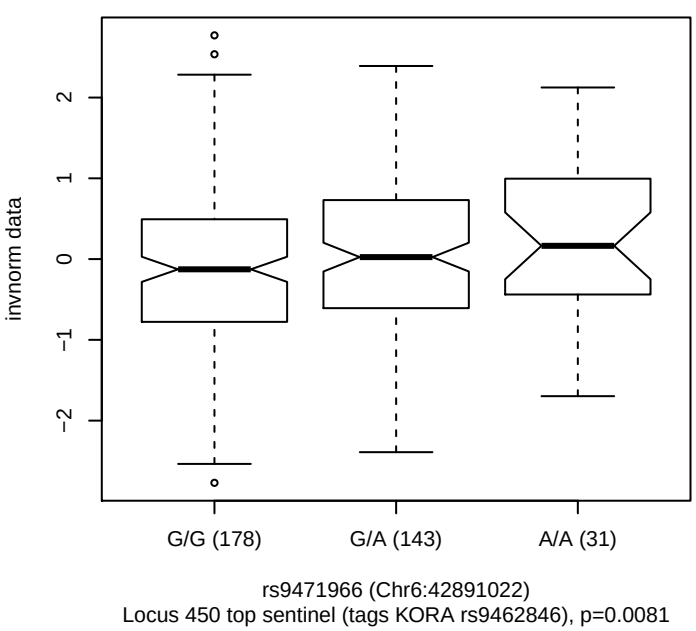

MED−1 (Uniprot: Q15648, ProbeID: 3892−21_2)
Frequency
0
50
100
150
200
250
300
0
1000
2000
3000
4000
5000
6000
raw data
Mediator of RNA polymerase II transcription subunit 1

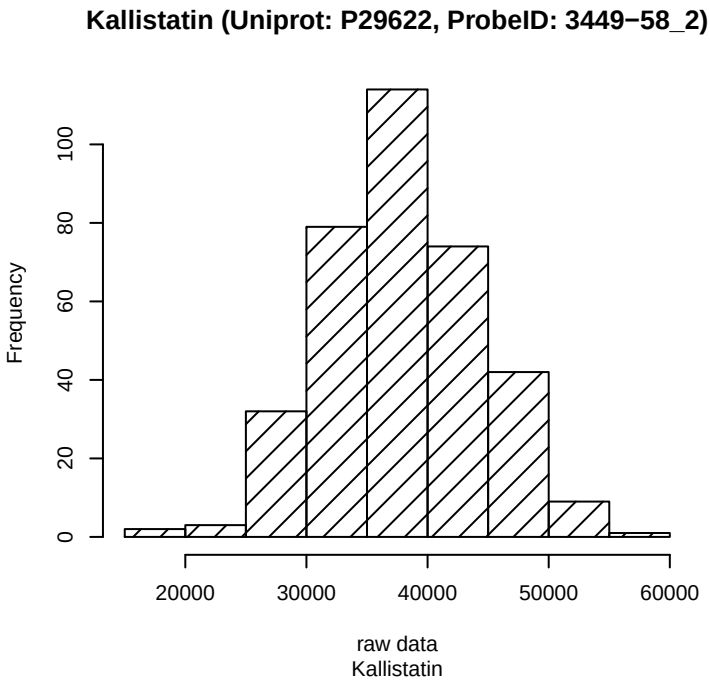

MED−1 (Uniprot: Q15648, ProbeID: 3892−21_2)
raw data
1000
2000
3000
4000
5000
6000
G/G (178)
G/A (143)
A/A (31)
rs9471966 (Chr6:42891022)
Locus 450 top sentinel (tags KORA rs9462846), p=0.35

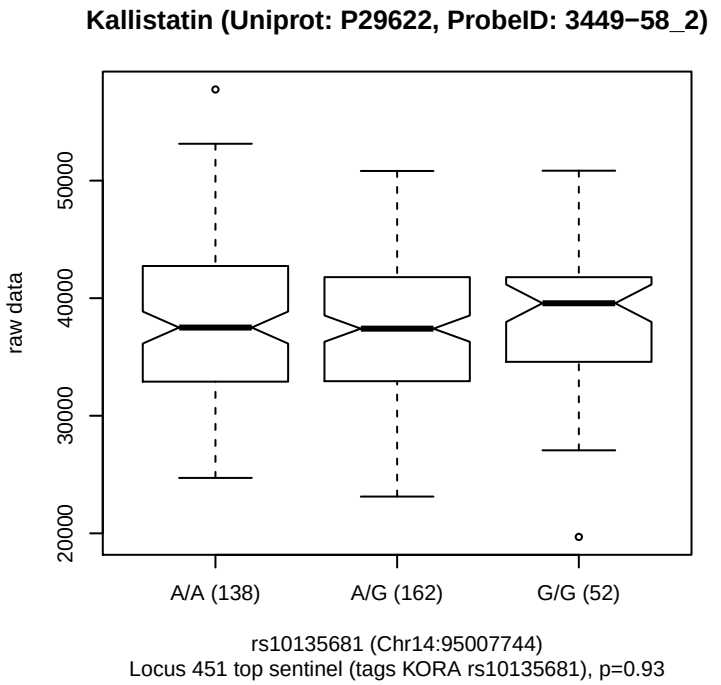

MED−1 (Uniprot: Q15648, ProbeID: 3892−21_2)
Frequency
0
50
100
150
200
9
10
11
12
13
log2−scaled data
Mediator of RNA polymerase II transcription subunit 1

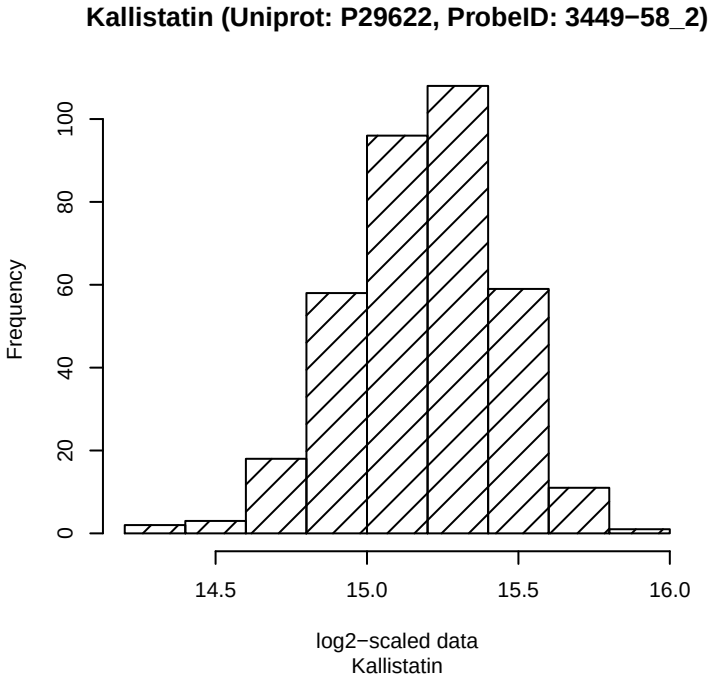

MED−1 (Uniprot: Q15648, ProbeID: 3892−21_2)
log2−scaled data
9
10
11
12
G/G (178)
G/A (143)
A/A (31)
rs9471966 (Chr6:42891022)
Locus 450 top sentinel (tags KORA rs9462846), p=0.036, FC=1.041

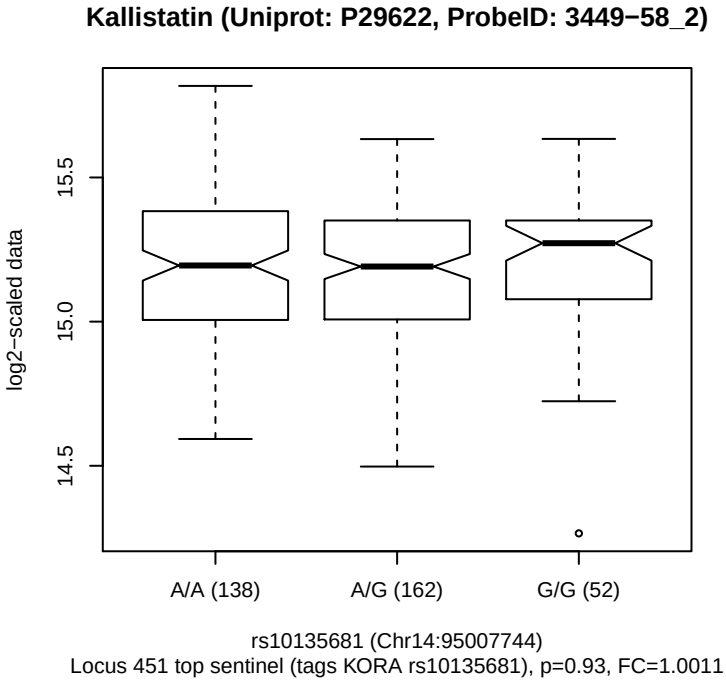

MED−1 (Uniprot: Q15648, ProbeID: 3892−21_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Mediator of RNA polymerase II transcription subunit 1

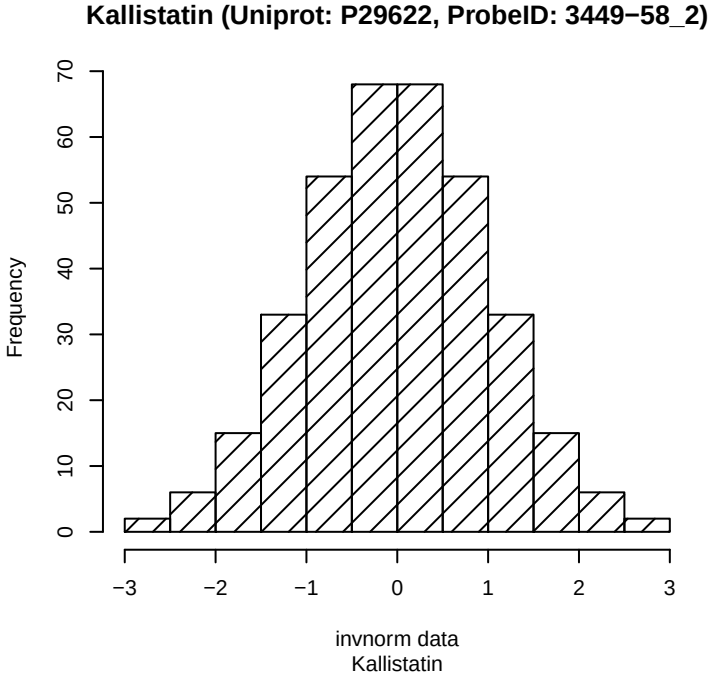

MED−1 (Uniprot: Q15648, ProbeID: 3892−21_2)
invnorm data
−2
−1
0
1
2
G/G (178)
G/A (143)
A/A (31)
rs9471966 (Chr6:42891022)
Locus 450 top sentinel (tags KORA rs9462846), p=0.0081

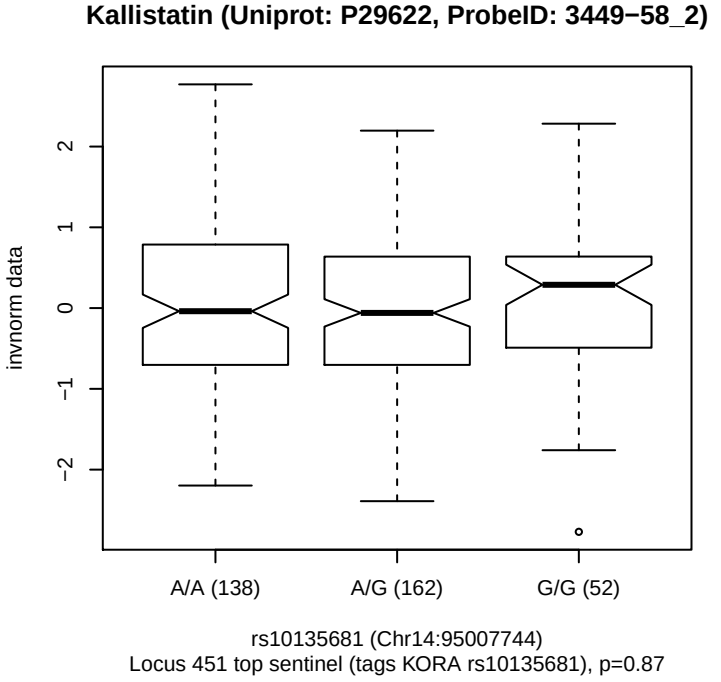

Kallistatin (Uniprot: P29622, ProbeID: 3449−58_2)
Frequency
0
20
40
60
80
100
20000
30000
40000
50000
60000
raw data
Kallistatin


Kallistatin (Uniprot: P29622, ProbeID: 3449−58_2)
raw data
20000
30000
40000
50000
A/A (138)
A/G (162)
G/G (52)
rs10135681 (Chr14:95007744)
Locus 451 top sentinel (tags KORA rs10135681), p=0.93


Kallistatin (Uniprot: P29622, ProbeID: 3449−58_2)
Frequency
0
20
40
60
80
100
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
A/A (138)
A/G (162)
G/G (52)
rs10135681 (Chr14:95007744)
Locus 451 top sentinel (tags KORA rs10135681), p=0.93, FC=1.0011


Kallistatin (Uniprot: P29622, ProbeID: 3449−58_2)
Frequency
0
10
20
30
40
50
60
70
−3
−2
−1
0
1
2
3
invnorm data
Kallistatin


Kallistatin (Uniprot: P29622, ProbeID: 3449−58_2)
invnorm data
−2
−1
0
1
2
A/A (138)
A/G (162)
G/G (52)
rs10135681 (Chr14:95007744)
Locus 451 top sentinel (tags KORA rs10135681), p=0.87