# Locus 241 (rs10858300)

SNiPAcard

## Block annotations

### Block info

| | |
|---|---|
| **genomic range** | chr9:137,840,809-137,857,978 |
| **block size** | 17,170 bp |
| **variant count** | 23 variants |

### Basic features

| Conservation/deleteriousness | | Linked genes | |
|---|---|---|---|
| **phyloP** | μ = -0.830 [-4.588 – 0.787] | **gene(s) hit or close-by** | – |
| **phastCons** | μ = 0.003 [0 – 0.046] | **eQTL gene(s)** | FCN1, NELFB, OLFM1, RP11-447M12.2 |
| **GERP++** | μ = -0.548 [-4.14 – 1.89] | **potentially regulated gene(s)** | – |
| **CADD score** | μ = 2.698 [0.166 – 6.591] | **disease gene(s)** | – |

## Direct effect on regulation

### *cis*-eQTL

| gene | transcript | probe | tissue | min(statistic) (type) | source | variant(s) |
|---|---|---|---|---|---|---|
| RP11-447M12.2 | ? | ENSG00000236403 | blood | $3.61\times10^{-10}$ (p-value) | GTEx Portal V6 | 23 |
| FCN1 | ? | ENSG00000085265 | blood | $5.18\times10^{-18}$ (p-value) | GTEx Portal V6 | 23 |
| OLFM1 | ENST00000371796 | ILMN_1742025 | monocyte | $2.73\times10^{-23}$ (p-value) | Fairfax et al. | 4 |
| OLFM1 | ENST00000371793 | | | | | |
| OLFM1 | ENST00000483042 | | | | | |
| OLFM1 | ENST00000252854 | | | | | |
| OLFM1 | ENST00000392991 | ILMN_1714709 | monocyte | $1.15\times10^{-19}$ (p-value) | Fairfax et al. | 2 |
| OLFM1 | ENST00000277415 | | | | | |
| NELFB | ENST00000343053 | ILMN_2290007 | monocyte | $3.73\times10^{-4}$ (p-value) | Fairfax et al. | 2 |
| OLFM1 | ENST00000392991 | ILMN_1714709 | monocyte | $1.43\times10^{-65}$ (p-value) | Zeller et al. | 3 |
| OLFM1 | ENST00000277415 | | | | | |
| OLFM1 | ENST00000371796 | ILMN_1742025 | monocyte | $8.82\times10^{-76}$ (p-value) | Zeller et al. | 3 |
| OLFM1 | ENST00000371793 | | | | | |
| OLFM1 | ENST00000252854 | | | | | |
| OLFM1 | ENST00000483042 | | | | | |