Differential Gene Expression and Functional Analysis in genes close to insertions

Gene ZNF257 (ENSG00000197134 - zinc finger protein 257), which is close to the insertion in chromosome 19:22414379, was observed to have different gene expression (logFC: -0.83686, FDR: 4.10795e-07) in general and also in TSI (logFC: 0.97934, FDR: 0.00995), FIN (logFC: 1.01751, FDR: 0.00014) and CEU (logFC: 1.72905, FDR: 0.0108) populations. In addition gene ZNF208 (ENSG00000160321 - zinc finger protein 208) was observed to have different gene expression in populations CEU (logFC: 1.51264, FDR: 0.0323) and YRI (logFC: 1.64438, FDR: 0.06674).

Gene PDE5A (ENSG00000138735 - phosphodiesterase 5A), which is close to the insertion in chromosome 4:120263688, was observed to have different gene expression (logFC: -0.45287, FDR: 6.64172e-05) in general.

One gene, that are close to the insertion in chromosome 1:111802592, OVGP1 (ENSG00000085465 - oviductal glycoprotein 1) was observed to have different gene expression (logFC: -0.38184, FDR: 0.07960) in FIN.

Gene MAP3K4 (ENSG00000085511 - mitogen-activated protein kinase 4), which is close to the insertion in chromosome 6:161270899, was observed to have different gene expression (logFC: 0.32614, FDR: 0.00479) in population CEU and (logFC: -0.12062, FDR: 0.00358) in general.

Gene TCTN2 (ENSG00000168778 - tectonic family member 2), which is close to the insertion in chromosome 12:124066477, was observed to have different gene expression in population GBR (logFC: 0.35192, FDR: 0.05903).

Also one gene, that is close to the insertion in chromosome 19.21841536, ZNF429 (ENSG00000197013 - zinc finger protein 429), was observed to have different gene expression in population GBR (logFC: 0.41543, FDR: 0.02695).

Differential Gene Expression and Functional Analysis in genes in whole genome

