

ARL6

Sergi Ocaña Alamo

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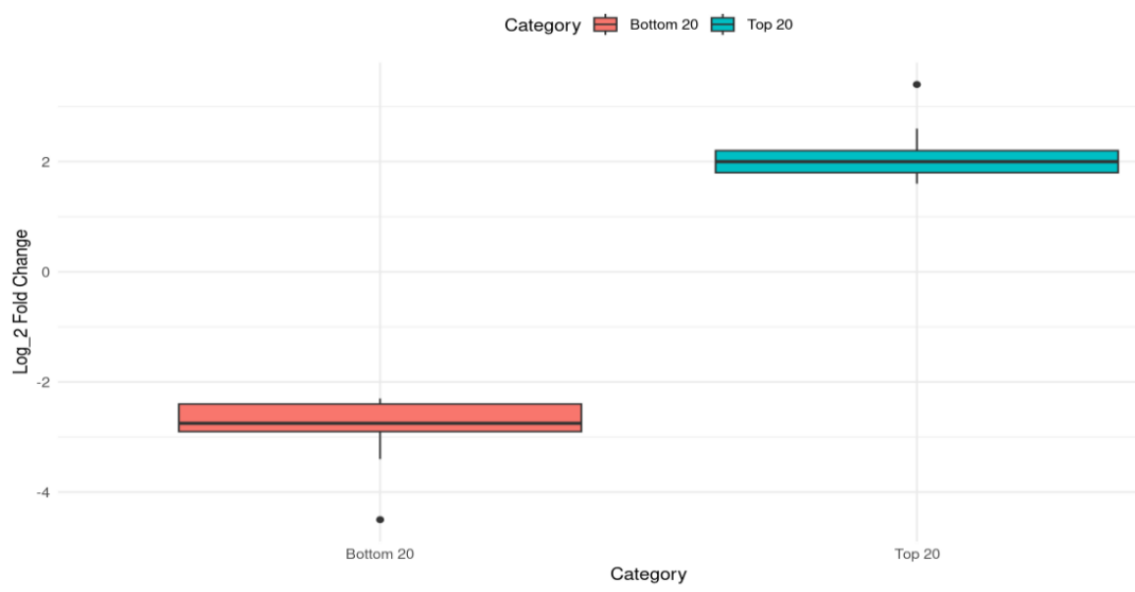
TOP 10 UP REGULATED

Gene	log ₂ .fold.change Comparison
3 ENSG00000113966	3.4 'estrogen receptor alpha shRNA' vs 'scrambled shRNA'
13 ENSG00000113966	2.6 'suberoylanilide hydroxamic acid' vs 'control'
14 ENSG00000113966	2.6 'T-helper 1 polarising' at '1 day' vs 'no stimulus'
15 ENSG00000113966	2.4 'valproic acid; 15 millimolar' vs 'control' at '1 day'
25 ENSG00000113966	2.2 'trichostatin A; 500 nanomolar' vs 'control'
28 ENSG00000113966	2.2 'Aicardi-Goutieres syndrome' vs 'normal' in 'none' at '0 month'
33 ENSG00000113966	2.1 'T-helper 2 polarising' at '1 day' vs 'no stimulus'
36 ENSG00000113966	2.1 'p53KO; BREFELDIN A' vs 'p53KO; control'
37 ENSG00000113966	2.0 'valproic acid; 15 millimolar' vs 'control' at '2 day'
38 ENSG00000113966	2.0 'metastatic recurrence; tumor' vs 'metastatic recurrence; normal adjacent tissue'

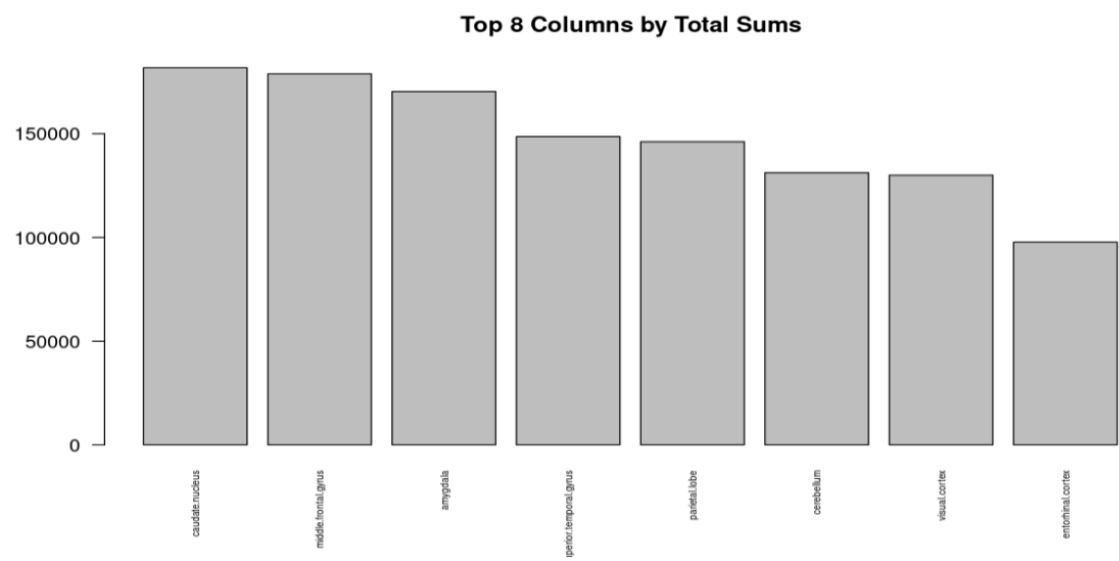
TOP 10 DOWN REGULATED

Gene	log ₂ .fold.change Comparison
1 ENSG00000113966	-4.5 'lipopolysaccharide' vs 'none' in 'normal'
2 ENSG00000113966	-3.4 'breast carcinoma' vs 'normal'
4 ENSG00000113966	-3.1 'pancreatic adenocarcinoma' vs 'normal'
5 ENSG00000113966	-3.0 'blood alcohol content 0.04%declining' vs 'control' in 'time point 4'
6 ENSG00000113966	-2.9 'blood alcohol content 0.04%rising' vs 'control' in 'time point 2'
7 ENSG00000113966	-2.9 'blood alcohol content 0.02%declining' vs 'control' in 'time point 5'
8 ENSG00000113966	-2.9 'ejaculatory azoospermia; Johnsen score count 3.2' vs 'normal; Johnsen score count 10'
9 ENSG00000113966	-2.9 'ejaculatory azoospermia; Johnsen score count 2' vs 'normal; Johnsen score count 10'
10 ENSG00000113966	-2.9 'lipopolysaccharide' vs 'none' in 'systemic-onset juvenile idiopathic arthritis'
11 ENSG00000113966	-2.8 'blood alcohol content 0.08%' vs 'control' in 'time point 3'

COMPARISON OF VALUES



BASAL STATE



DISCUSSION

We can see in the image from the eight top of the basal state most of them belong to the brain, so that if TPM are higher that region would be up regulated.
As 4 of the top 10 from the down regulated are related to alcohol it could mean that the inherit of alcohol makes this gene to be less expressed.