

Supplement table 2: Proteins being more abundant (named by gene names) in stable colony morphology group.

S=stable colony morphology group,U-1= Unstable class 1 morphology group, U-2=unstable class 2 morphology group .

FC=fold change. The list is sorted by FC. All proteins have a p-value <0.05 and a FC p-value <0.05. The list includes 276 proteins.

Expression values are log2 transformed LFQ intensity values.

Gene names	1-C	3-A	4-B	5-A	5-B	6-B	7-A	7-B	3-D	1-A	1-B	2-A	2-B	2-C	3-B	6-A	6-C	4-C	3-C	4-A	Median	Median	p-value	FC	FC
	S	S	S	S	S	S	S	S	S	S	S	S	S	S	U-1	U-1	U-1	U-1	U-2	U-2	S	U		S/U	p-value
RBPMS2	28.2	28.5	27.8	28.5	27.4	27.4	28.3	27.9	28.0	28.4	28.1	28.4	27.6	28.0	27.1	21.3	22.3	24.6	22.4	NaN	28.0	22.4	0.0	5.6	0
EPCAM	28.4	27.9	28.0	29.4	29.3	29.6	28.3	27.9	28.1	28.5	28.0	28.5	28.0	28.2	27.1	22.1	20.7	24.6	25.9	21.5	28.2	23.4	0.0	4.9	0
SMPDL3B	28.3	27.8	27.7	27.6	28.1	27.9	28.5	28.3	28.2	28.0	27.6	28.1	27.5	27.9	25.4	24.5	24.7	22.3	22.4	22.6	27.9	23.6	0.0	4.4	0
FBXO2	26.7	26.3	25.5	26.9	27.0	27.3	27.6	26.6	27.3	26.5	26.1	26.0	26.6	26.1	24.8	22.1	NaN	22.7	22.3	21.9	26.6	22.3	0.0	4.3	0
KRT19	30.4	30.0	29.9	30.2	29.7	29.7	30.1	30.1	30.1	30.0	29.4	29.8	30.0	30.0	28.6	24.5	23.3	26.9	27.0	24.4	30.0	25.7	0.0	4.3	0
TRIM71	30.4	30.3	29.8	29.7	30.0	30.0	30.0	30.1	30.1	30.1	30.3	29.5	30.1	30.4	29.8	22.8	24.6	28.1	27.1	23.3	30.1	25.8	0.0	4.2	0
ADD2	28.2	28.2	27.7	27.5	28.4	28.1	27.9	27.8	28.0	28.2	28.1	27.8	28.0	28.3	27.9	26.1	23.7	24.0	24.2	22.5	28.1	24.1	0.0	3.9	0.00
L1TD1	32.9	32.5	32.7	32.7	32.4	32.2	32.3	32.6	32.4	32.7	32.6	32.5	32.0	32.6	31.9	25.3	24.9	30.4	30.2	27.1	32.5	28.6	0.0	3.9	0.00
CYP2S1	29.5	29.3	29.6	30.4	29.3	29.3	29.3	29.1	29.6	29.2	29.1	29.9	29.2	29.5	27.8	24.0	21.6	26.9	27.4	22.6	29.3	25.4	0.0	3.9	0.00
ALPL	29.1	29.1	29.0	29.0	29.0	29.0	28.7	29.1	29.2	29.0	29.0	29.1	29.0	29.4	27.7	24.7	23.4	25.2	26.6	NaN	29.0	25.2	0.0	3.9	0.00
DNMT3B	32.6	32.2	32.2	32.2	32.5	32.6	33.2	32.2	32.4	32.4	31.7	32.7	31.2	32.3	31.0	27.3	27.7	29.3	29.4	25.0	32.3	28.5	0.0	3.8	0.00
SALL4	29.3	29.5	29.2	29.5	29.2	29.2	29.6	29.3	29.3	29.7	29.7	28.9	29.1	29.7	28.9	24.0	23.4	27.2	27.3	21.5	29.3	25.6	0.0	3.7	0.00
JARID2	27.3	26.1	25.3	26.4	27.0	25.7	26.6	27.0	26.7	27.1	26.7	26.9	24.9	26.8	25.5	21.2	NaN	23.1	23.0	NaN	26.7	23.0	0.0	3.7	0.00
CGN	28.8	29.0	26.5	28.2	28.9	29.0	28.4	28.6	28.5	28.3	27.7	28.0	27.5	28.5	25.4	26.6	23.9	24.4	26.5	22.6	28.5	24.9	0.0	3.6	0.00
APOE	30.2	30.1	29.8	30.1	29.9	30.3	29.8	29.6	30.0	29.7	29.5	29.9	28.9	30.0	28.6	25.6	22.6	27.2	27.1	25.7	29.9	26.4	0.0	3.5	0.00
DSG2	27.9	27.8	27.0	27.7	27.9	28.0	27.1	27.4	28.1	28.3	27.7	28.1	26.6	28.1	26.5	24.4	24.7	23.6	22.8	NaN	27.8	24.4	0.0	3.4	0.00
DSP	28.0	28.1	27.6	27.8	28.6	28.4	28.7	28.7	28.5	28.6	28.3	26.9	28.3	27.8	27.3	24.7	25.7	24.8	25.1	23.8	28.3	25.0	0.0	3.4	0.00
AASS	33.2	32.8	30.8	33.0	32.7	32.8	33.3	33.0	33.0	32.0	32.0	33.0	32.1	32.7	31.2	29.1	29.3	29.7	29.6	27.9	32.8	29.5	0.0	3.3	0.00
VRTN	28.9	28.7	28.9	29.3	28.9	29.2	28.4	28.5	28.8	28.6	28.4	28.7	28.2	28.4	28.0	NaN	24.6	25.8	25.0	NaN	28.7	25.4	0.0	3.3	0.00
BUB1B	27.0	26.5	25.3	25.7	26.5	27.5	26.7	27.5	26.7	27.2	26.9	25.4	26.2	27.5	26.4	22.7	23.0	24.1	23.4	NaN	26.7	23.4	0.0	3.3	0.00
DPPA4	30.1	30.0	29.8	29.9	30.8	30.9	29.8	29.1	30.3	30.0	30.0	29.8	29.5	30.4	29.6	25.6	21.5	28.0	28.0	22.5	30.0	26.8	0.0	3.2	0.00
AK4	29.6	30.3	30.4	29.5	30.0	29.4	29.0	29.1	29.9	30.1	30.0	30.1	29.7	30.1	29.5	26.5	25.3	27.5	27.3	22.2	30.0	26.9	0.0	3.1	0.00
CKMT1A	30.4	30.1	30.1	30.2	30.1	29.8	29.9	30.0	30.0	30.0	29.7	30.4	29.7	30.0	28.9	26.7	26.8	27.8	27.1	26.6	30.0	27.0	0.0	3.0	0.00
ERBB2	28.1	28.7	28.9	29.1	29.1	29.1	28.2	28.5	28.6	29.0	29.0	29.0	28.0	28.0	27.8	25.1	24.7	27.2	26.5	25.0	28.8	25.8	0.0	3.0	0.00
CGNL1	27.3	27.8	26.6	27.4	26.7	27.5	27.7	28.0	27.5	26.6	25.8	26.4	26.9	27.2	24.8	NaN	24.0	24.5	22.5	NaN	27.2	24.2	0.0	3.0	0.00
PCK2	30.7	30.6	30.2	30.7	30.9	31.0	29.7	31.1	30.7	30.4	30.3	30.7	30.7	30.8	29.9	27.1	28.8	27.8	27.7	24.6	30.7	27.7	0.0	2.9	0.00
CTH	27.2	27.1	27.3	27.9	27.2	27.5	27.8	28.3	27.9	27.1	27.3	27.4	28.0	27.8	26.7	23.9	24.5	24.5	25.5	23.6	27.4	24.5	0.0	2.9	0.00
CD9	27.8	27.4	28.2	27.7	28.0	26.6	28.0	27.5	27.6	28.4	28.0	27.7	28.1	28.0	27.4	NaN	24.1	25.3	25.1	21.5	27.9	25.1	0.0	2.8	0.00
PYCARD	27.5	26.7	26.8	25.4	26.4	26.4	27.2	27.6	27.1	27.5	26.6	26.7	25.9	26.8	25.8	NaN	23.0	23.1	23.9	24.6	26.8	23.9	0.0	2.8	0.00
KRT18	32.1	31.9	32.0	32.1	32.3	31.9	32.1	32.0	31.7	32.1	31.4	31.8	31.9	32.1	31.5	27.4	28.3	30.3	31.1	26.8	32.0	29.3	0.0	2.7	0.00
CETN3	26.2	25.5	23.1	25.9	25.0	24.2	26.4	23.0	24.0	25.3	25.3	26.1	25.5	25.5	24.2	21.6	22.8	22.6	24.1	22.1	25.4	22.7	0.0	2.7	0.00
IMPA2	27.6	27.9	26.3	25.8	28.0	25.2	25.9	27.7	27.2	26.0	26.2	26.6	26.8	27.6	25.8	23.8	23.8	24.2	22.9	25.1	26.7	24.0	0.0	2.7	0.00
MFGE8	29.2	29.8	29.3	29.0	29.3	29.0	29.0	29.3	29.7	29.5	29.0	29.6	29.9	28.4	28.2	26.3	24.6	27.6	26.8	23.8	29.3	26.6	0.0	2.7	0.00

SLC7A3	27.8	27.5	26.0	28.1	27.3	27.1	26.1	27.2	27.0	25.8	26.2	26.8	26.5	27.3	24.4	NaN	NaN	24.4	23.8	NaN	27.1	24.4	0.0	2.7	0.00
PDLIM1	30.6	29.4	26.2	29.7	30.4	30.6	30.5	30.2	30.1	30.1	29.4	29.1	28.1	29.9	27.8	27.6	27.0	28.3	27.2	23.5	30.0	27.4	0.0	2.6	0.00
PODXL	31.0	30.6	30.4	31.1	31.2	30.9	31.0	30.8	31.0	30.7	30.7	30.7	30.7	30.7	30.0	28.2	24.7	29.8	28.3	23.4	30.8	28.2	0.0	2.5	0.00
F11R	28.7	28.2	28.0	28.3	28.6	28.3	28.1	27.7	27.8	27.8	27.4	28.7	27.9	28.6	26.5	26.1	25.2	25.1	26.2	22.6	28.1	25.6	0.0	2.5	0.00
TXLNG	27.8	26.6	27.5	27.6	26.9	26.6	27.2	28.5	26.8	27.9	27.3	27.7	25.8	26.5	26.3	22.7	24.9	24.6	26.5	24.1	27.2	24.8	0.0	2.5	0.00
TUBA4A	27.8	27.5	27.5	27.5	27.2	28.0	27.8	27.5	27.7	27.2	26.9	26.8	27.5	26.7	26.0	NaN	25.8	24.2	22.6	NaN	27.5	25.0	0.0	2.5	0.00
REEP6	25.9	24.8	24.9	22.8	24.6	24.4	24.3	25.6	25.0	24.8	24.3	25.6	23.7	25.2	24.2	23.9	21.3	21.3	22.6	22.2	24.8	22.4	0.0	2.4	0.00
PAWR	28.6	28.5	26.9	27.9	28.8	28.4	28.6	28.4	28.7	28.7	28.3	27.5	28.0	28.8	27.2	25.3	25.6	26.6	26.6	21.7	28.5	26.1	0.0	2.4	0.00
CYB5R2	28.1	27.5	28.1	27.1	26.6	26.6	28.3	26.9	27.7	27.6	27.7	27.7	27.7	27.9	26.8	23.9	25.3	26.0	24.3	NaN	27.7	25.3	0.0	2.4	0.00
VSNL1	28.2	28.2	26.8	28.1	26.6	26.6	27.7	27.7	27.3	28.1	27.7	27.6	27.8	27.7	26.8	NaN	NaN	24.2	25.1	25.6	27.7	25.4	0.0	2.4	0.00
SALL2	31.2	31.3	31.3	31.7	31.9	32.4	31.2	31.1	31.4	31.5	31.4	31.0	30.9	31.7	30.9	28.8	28.7	30.1	29.2	27.5	31.3	29.0	0.0	2.3	0.00
CDCA7L	26.1	26.2	26.0	27.1	27.2	27.7	26.5	25.9	26.4	26.5	26.2	26.7	25.5	25.4	26.7	24.1	23.4	23.9	24.4	22.3	26.3	24.0	0.0	2.3	0.00
HPDL	27.6	26.7	23.3	28.7	27.6	27.6	27.8	27.1	27.6	27.2	26.7	26.9	25.4	26.9	24.9	NaN	22.4	22.2	26.9	25.3	27.2	24.9	0.0	2.3	0.00
SLC2A3	31.0	30.4	30.6	30.9	31.6	32.2	31.6	31.9	30.2	31.0	30.9	29.9	29.8	30.3	29.7	29.2	27.6	30.2	28.2	24.4	30.9	28.7	0.0	2.3	0.00
LCK	25.8	26.7	25.4	24.9	26.4	26.1	26.0	25.6	25.7	25.3	25.7	25.2	26.0	25.4	24.2	24.5	22.8	21.9	NaN	NaN	25.7	23.5	0.0	2.2	0.00
MDN1	32.0	31.5	30.7	31.7	31.4	31.5	31.0	31.1	31.1	31.6	31.0	31.5	31.4	31.3	30.4	27.9	29.1	29.2	30.3	29.2	31.4	29.2	0.0	2.2	0.00
EPPK1	28.6	27.7	27.1	28.2	27.8	28.4	28.5	28.7	27.3	29.0	28.2	27.6	26.6	27.2	25.8	25.8	26.6	24.4	27.8	24.5	28.0	25.8	0.0	2.2	0.00
KLHL7	26.4	27.1	26.4	27.0	26.7	27.0	26.4	26.9	26.8	26.9	26.2	26.9	26.0	26.8	25.6	24.0	24.0	25.9	25.3	22.9	26.8	24.6	0.0	2.2	0.00
CD2AP	28.1	27.9	27.2	27.8	28.2	28.6	28.1	28.1	28.1	28.0	27.7	27.5	27.6	28.2	27.2	25.2	25.9	25.9	26.6	24.7	28.0	25.9	0.0	2.2	0.00
BEND3	26.5	27.2	27.5	27.0	26.4	26.6	26.5	27.0	26.7	26.9	26.8	27.0	26.6	26.8	26.6	24.1	23.8	25.8	25.3	23.8	26.8	24.7	0.0	2.1	0.00
GFPT2	27.6	27.9	27.6	28.2	28.4	28.1	28.1	28.1	27.8	28.0	27.7	28.0	28.1	27.8	27.4	24.1	25.9	26.8	25.9	NaN	28.0	25.9	0.0	2.1	0.00
TTK	27.0	27.1	26.5	27.1	27.2	26.9	26.7	27.3	26.9	27.6	26.7	27.4	26.5	26.8	26.5	24.3	24.5	25.2	25.9	24.2	27.0	24.8	0.0	2.1	0.00
ITPK1	26.4	26.8	27.5	26.5	27.4	27.2	26.6	27.5	26.2	27.3	27.1	27.5	26.2	26.6	26.0	24.9	24.6	24.9	24.8	24.6	26.9	24.9	0.0	2.1	0.00
PLS1	27.2	27.6	27.1	27.2	27.9	27.7	27.7	27.6	27.8	27.5	27.0	27.1	26.8	27.3	26.0	22.8	25.3	24.6	25.4	26.0	27.4	25.3	0.0	2.1	0.00
HOOK1	24.1	24.0	24.3	25.0	25.2	24.6	24.6	24.9	24.9	24.5	24.4	23.4	24.3	23.8	23.0	NaN	22.5	NaN	21.9	NaN	24.4	22.5	0.0	1.9	0.00
ARG2	27.7	28.2	27.6	28.4	28.1	28.1	27.7	28.1	28.2	27.8	27.7	28.5	26.3	27.4	26.6	NaN	26.0	26.0	25.5	NaN	27.9	26.0	0.0	1.9	0.00
UGP2	33.0	32.9	32.9	33.3	33.0	33.4	33.3	33.1	33.3	33.0	32.7	32.6	33.0	32.9	31.7	30.9	30.8	31.3	31.3	30.6	33.0	31.1	0.0	1.9	0.00
TIPIN	24.0	24.7	21.5	19.6	22.2	21.0	22.2	24.0	NaN	21.0	23.1	23.1	23.9	23.8	22.4	21.5	21.2	NaN	20.9	20.7	23.1	21.2	0.0	1.9	0.00
SORL1	27.1	26.0	26.1	26.4	25.9	25.9	26.6	26.1	25.8	26.6	26.0	26.0	25.9	26.4	24.7	NaN	24.0	NaN	23.4	24.3	26.0	24.1	0.0	1.9	0.00
CTSC	31.1	30.7	30.9	30.6	30.8	30.8	31.2	31.1	31.1	31.1	30.7	31.1	30.9	30.8	30.6	28.7	28.2	29.9	29.4	28.7	30.9	29.1	0.0	1.9	0.00
FRAS1	26.0	25.7	25.1	26.0	25.9	25.7	26.0	25.6	25.7	25.4	25.5	25.7	24.9	25.8	25.0	23.3	23.8	23.9	24.3	22.8	25.7	23.8	0.0	1.8	0.00
SLC16A1	29.9	29.7	30.0	30.1	29.6	29.0	29.9	29.2	29.8	29.8	29.8	29.6	29.9	29.8	29.1	27.6	28.1	28.2	27.7	27.5	29.8	27.9	0.0	1.8	0.00
MID1IP1	26.9	27.5	26.8	27.1	27.0	27.3	26.7	27.7	27.0	27.2	26.6	27.2	26.4	27.2	26.3	22.5	24.4	25.3	25.2	NaN	27.0	25.2	0.0	1.8	0.00
SAMHD1	27.3	27.3	27.0	26.7	26.0	26.4	27.4	27.1	26.9	26.6	26.2	26.3	27.2	26.5	26.0	25.2	25.8	24.8	23.8	23.5	26.8	25.0	0.0	1.8	0.00
GULP1	26.5	27.4	26.2	27.6	26.8	27.0	26.4	26.9	26.7	26.3	25.6	26.8	25.2	26.9	25.3	23.7	23.3	25.6	24.9	25.0	26.7	24.9	0.0	1.8	0.00
PLK1	28.6	28.3	28.2	28.4	28.4	29.1	28.4	28.4	28.7	28.5	28.3	28.1	28.0	28.6	27.7	24.6	26.2	27.2	26.9	24.1	28.4	26.5	0.0	1.8	0.00
NQO2	27.1	27.1	26.1	25.4	27.4	29.5	29.0	28.8	26.8	26.4	26.8	25.5	27.1	27.1	26.0	25.6	26.4	24.6	24.1	25.0	27.1	25.3	0.0	1.8	0.00
CTSV	26.0	25.8	25.8	26.4	25.2	24.9	26.0	25.2	26.6	25.7	25.0	26.2	25.2	25.1	24.4	24.0	21.8	24.7	22.7	NaN	25.8	24.0	0.0	1.8	0.00
HIST1H1A	29.5	22.2	22.2	28.7	27.4	27.4	29.8	28.9	24.9	25.2	24.8	23.1	23.6	24.1	NaN	23.0	NaN	NaN	NaN	23.6	25.1	23.3	0.0	1.8	0.00
HELLS	30.1	29.9	29.3	30.0	29.9	30.5	29.9	29.8	29.8	29.8	29.7	30.0	29.1	29.8	29.3	27.4	27.8	28.4	28.5	26.7	29.9	28.1	0.0	1.8	0.00
ARAP1	27.1	27.2	26.2	26.6	26.6	27.4	26.6	26.9	26.4	27.1	26.4	26.5	26.5	26.6	26.2	24.5	25.7	25.1	23.9	24.4	26.6	24.8	0.0	1.8	0.00
RRAS2	29.1	28.9	28.5	29.4	28.5	28.7	28.8	29.0	28.7	28.9	28.6	29.0	29.1	29.1	27.7	25.9	26.4	27.8	27.5	26.8	28.9	27.1	0.0	1.8	0.00

MTHFS	23.4	25.2	21.3	23.8	24.0	23.6	24.5	24.6	23.4	22.3	21.9	24.6	22.4	26.0	22.1	20.7	21.7	22.5	22.4	21.3	23.7	21.9	0.0	1.8	0.00
HSD11B2	26.6	26.9	24.8	23.8	25.7	24.7	25.4	26.1	25.4	24.8	25.0	26.4	25.4	26.1	24.2	NaN	23.7	NaN	22.8	NaN	25.4	23.7	0.0	1.8	0.00
HIGD1A	26.2	26.1	26.3	26.3	27.9	28.3	26.2	25.8	26.8	25.0	25.5	26.4	24.9	26.1	25.9	24.8	26.2	24.1	23.9	22.5	26.2	24.4	0.0	1.8	0.00
BCAM	27.2	27.3	26.7	27.7	27.8	27.6	27.0	26.9	27.3	27.1	26.4	27.4	27.0	27.0	26.2	NaN	NaN	24.6	25.1	25.7	27.1	25.4	0.0	1.7	0.00
TJP2	29.4	29.3	28.6	29.1	30.0	29.3	29.4	29.3	28.9	29.0	28.6	28.6	28.3	29.3	28.1	26.2	27.1	27.4	28.1	27.6	29.2	27.5	0.0	1.7	0.00
HACL1	28.0	27.2	27.7	28.2	28.0	28.2	27.8	27.8	27.6	27.7	27.4	28.1	27.7	27.7	27.0	24.2	24.8	26.1	26.5	26.0	27.8	26.1	0.0	1.7	0.00
AURKB	27.3	28.0	26.8	26.6	27.4	27.2	26.5	27.7	27.2	27.5	27.3	27.1	26.9	27.5	26.7	24.3	25.7	25.4	26.0	24.6	27.2	25.5	0.0	1.7	0.00
GOLM1	26.7	26.6	26.8	27.6	27.1	27.3	27.1	26.7	26.6	27.1	26.4	27.0	26.1	26.6	25.6	25.2	24.8	26.0	25.0	24.7	26.7	25.1	0.0	1.7	0.00
INCENP	26.3	26.0	25.5	26.1	25.4	24.3	25.8	25.8	25.7	26.5	26.6	25.3	25.5	26.3	25.7	23.1	23.9	24.4	25.2	22.9	25.8	24.2	0.0	1.6	0.00
ABRACL	29.6	28.5	29.2	27.9	28.7	28.4	29.7	29.9	29.5	29.4	28.7	29.4	29.1	29.6	28.7	27.3	27.5	27.8	28.6	26.7	29.3	27.6	0.0	1.6	0.00
SLC9A3R1	29.9	29.7	29.3	30.1	29.8	29.7	29.9	30.1	29.9	29.7	29.7	29.3	29.3	29.8	29.1	28.1	27.9	28.9	28.2	26.5	29.8	28.1	0.0	1.6	0.00
TOP2A	32.1	31.9	31.8	32.1	32.0	32.0	31.9	31.8	32.0	32.3	32.1	32.0	31.9	31.9	31.5	30.0	30.0	31.0	30.7	29.4	32.0	30.3	0.0	1.6	0.00
Mar-01	25.2	25.1	25.5	26.3	24.3	25.7	25.5	25.2	25.6	25.4	24.8	26.5	24.8	25.5	24.4	23.8	24.5	23.3	23.8	NaN	25.4	23.8	0.0	1.6	0.00
LLGL2	25.4	25.3	23.0	25.4	25.1	25.3	25.0	25.1	25.3	24.8	24.7	25.7	24.6	24.9	23.7	NaN	NaN	NaN	23.3	NaN	25.1	23.5	0.0	1.6	0.00
SEPHS1	30.6	31.2	31.3	30.8	31.0	31.0	31.0	31.5	31.1	31.0	30.9	30.8	31.2	30.6	30.6	28.9	29.3	29.5	30.0	29.3	31.0	29.4	0.0	1.6	0.00
L2HGDH	27.3	27.0	26.6	27.1	26.5	26.7	26.9	26.9	27.4	26.9	27.2	27.2	27.5	27.0	26.8	25.3	25.4	25.2	25.5	26.2	27.0	25.4	0.0	1.6	0.00
SLC27A3	25.8	25.4	24.6	24.8	25.3	25.9	24.3	25.2	25.4	25.4	24.3	25.3	24.1	25.4	24.6	24.0	22.6	23.8	23.1	23.6	25.3	23.7	0.0	1.6	0.00
GJA1	29.5	29.2	29.0	29.5	29.5	29.4	29.4	29.1	29.5	29.6	29.3	29.3	28.8	29.5	29.0	27.5	27.6	28.9	28.1	26.4	29.4	27.8	0.0	1.6	0.00
FLVCR1	24.3	25.2	25.6	24.8	25.2	25.8	25.2	25.2	25.3	25.4	25.7	25.0	24.9	24.6	24.5	23.8	24.3	23.1	23.5	23.6	25.2	23.7	0.0	1.6	0.00
SLC38A2	27.9	28.0	27.2	28.2	28.2	28.2	27.4	27.8	28.0	27.8	27.6	28.0	26.3	27.9	26.9	25.5	25.8	27.5	27.0	23.2	27.9	26.3	0.0	1.6	0.00
DLGAP5	28.2	28.3	27.7	27.8	28.6	29.0	28.2	28.5	28.1	28.5	28.2	27.3	28.0	28.4	27.6	24.9	26.6	26.7	26.7	22.3	28.2	26.6	0.0	1.6	0.00
ZNF462	28.0	27.9	26.9	27.2	27.9	28.2	27.6	27.6	27.6	27.8	27.9	27.1	27.3	27.9	27.4	25.9	26.3	26.2	26.1	22.1	27.7	26.2	0.0	1.5	0.00
PARD6B	25.9	24.9	25.6	25.7	26.2	25.8	26.3	25.8	25.6	26.1	25.6	25.7	26.1	25.6	25.2	NaN	22.8	24.3	24.1	NaN	25.7	24.2	0.0	1.5	0.00
SKA3	25.9	25.6	24.6	25.0	25.8	25.3	25.2	26.0	25.3	26.1	25.9	25.4	23.9	25.7	25.7	23.4	22.7	24.0	24.0	NaN	25.5	24.0	0.0	1.5	0.00
AMT	25.5	24.6	24.7	25.7	25.1	24.9	25.5	24.5	25.2	24.5	24.9	25.7	24.2	24.8	24.3	23.1	23.4	23.9	22.8	NaN	24.9	23.4	0.0	1.5	0.00
KCTD14	24.6	24.8	25.0	25.5	24.5	24.8	25.6	25.0	24.9	24.7	24.8	24.9	24.8	24.7	23.4	NaN	NaN	23.3	23.3	NaN	24.8	23.3	0.0	1.5	0.00
VASP	29.2	28.6	28.8	28.4	28.9	29.0	29.3	28.5	28.9	29.3	28.7	28.3	28.5	29.2	28.3	27.5	27.2	28.3	27.3	26.3	28.9	27.4	0.0	1.5	0.00
HMGA1	31.4	31.5	31.4	32.3	32.0	32.2	31.6	30.9	31.8	31.6	32.1	31.4	31.8	31.9	31.6	28.1	30.3	31.0	30.1	27.7	31.7	30.2	0.0	1.5	0.00
CDC20	26.2	26.0	26.2	26.0	26.3	26.0	25.7	25.4	26.0	26.7	26.2	26.5	25.1	25.5	26.0	NaN	24.1	24.6	24.6	23.7	26.0	24.6	0.0	1.5	0.00
OAT	31.9	31.5	31.5	31.4	31.6	31.4	32.2	32.1	31.6	31.7	31.7	31.6	31.4	32.1	31.0	29.9	30.8	30.3	30.0	30.0	31.6	30.2	0.0	1.5	0.00
RIF1	29.2	29.5	29.3	28.9	28.8	29.2	29.5	29.5	29.2	29.3	28.8	28.9	28.6	29.2	28.9	26.4	27.4	27.9	28.8	27.6	29.2	27.7	0.0	1.5	0.00
CBR1	31.2	31.1	30.1	30.7	30.2	30.5	30.9	30.9	30.3	31.0	30.7	29.5	30.8	31.0	29.1	29.1	29.5	28.8	29.9	29.9	30.8	29.3	0.0	1.4	0.00
DNMT3A	30.1	29.6	29.8	29.5	29.9	29.3	29.3	29.5	29.6	29.9	29.7	30.3	29.7	30.0	29.6	28.3	28.2	28.2	28.3	28.0	29.7	28.3	0.0	1.4	0.00
MGME1	27.4	27.5	26.8	27.3	26.9	27.1	27.0	27.6	27.3	27.4	26.7	27.5	26.6	27.3	26.8	25.2	26.1	25.6	26.1	25.3	27.3	25.8	0.0	1.4	0.00
FKBP11	26.4	27.2	25.7	27.3	26.9	26.5	26.5	27.1	27.0	26.5	26.3	27.3	NaN	26.5	23.8	25.1	26.2	NaN	25.0	26.3	26.5	25.1	0.0	1.4	0.00
AKAP1	27.4	27.0	25.6	27.1	27.8	27.6	27.0	27.2	27.7	27.2	27.1	25.8	26.4	27.5	26.1	25.7	25.4	26.0	24.4	NaN	27.1	25.7	0.0	1.4	0.00
UNG	25.6	25.8	26.4	26.7	26.1	26.7	26.2	26.2	26.6	26.3	26.2	26.9	25.7	25.9	26.3	23.8	24.1	25.6	25.4	23.9	26.2	24.8	0.0	1.4	0.00
NACC1	27.8	27.9	27.6	28.3	28.0	28.7	27.9	27.7	27.8	27.9	27.5	27.6	27.8	27.3	26.0	25.4	27.1	26.6	26.3	27.9	26.4	0.0	1.4	0.00	
RRM2B	26.8	26.1	26.8	26.4	25.2	25.4	26.8	26.9	26.2	26.6	26.5	26.4	26.8	26.0	25.2	24.5	24.5	25.6	25.7	24.9	26.5	25.0	0.0	1.4	0.00
NSUN5	27.0	27.2	26.9	27.5	27.5	27.5	26.9	27.0	27.2	26.9	26.9	27.6	26.8	26.9	26.6	24.1	25.4	25.7	26.4	25.5	27.0	25.6	0.0	1.4	0.00
ITGA6	28.4	28.5	29.3	28.9	28.5	28.3	28.3	28.4	28.7	28.9	28.7	28.9	28.4	28.2	28.1	27.3	26.0	27.8	26.9	26.7	28.5	27.1	0.0	1.4	0.00
ESRP1	29.4	29.3	29.1	29.2	29.4	29.3	29.3	29.3	29.4	28.9	28.8	29.4	29.0	29.1	27.9	28.1	28.0	27.7	27.7	27.8	29.3	27.9	0.0	1.4	0.00

RAB3B	27.4	26.8	27.4	27.7	26.9	27.3	27.7	26.9	27.4	27.2	27.0	27.2	27.2	27.1	26.0	25.9	25.6	26.3	25.7	24.0	27.2	25.8	0.0	1.4	0.00
SLC2A1	29.7	29.8	29.3	29.6	30.0	29.7	29.2	29.6	29.2	29.7	29.9	30.0	29.5	30.3	29.3	27.5	26.8	29.1	29.1	27.1	29.7	28.3	0.0	1.4	0.00
NPM3	29.6	29.4	28.9	29.5	30.2	30.5	29.5	29.0	29.8	29.7	29.4	29.2	29.1	29.5	29.2	27.2	29.2	27.8	27.7	28.4	29.5	28.1	0.0	1.4	0.00
GNL3L	26.6	26.0	26.2	27.1	26.8	26.6	26.4	26.2	26.7	26.5	26.4	26.0	25.9	26.7	25.9	25.1	25.1	25.1	24.9	25.1	26.5	25.1	0.0	1.4	0.00
BSG	31.1	31.0	31.4	31.5	30.7	30.4	31.0	30.9	31.0	31.2	30.9	31.2	30.8	31.1	30.5	29.0	29.6	29.6	29.6	29.0	31.0	29.6	0.0	1.4	0.00
ANK3	27.8	27.9	26.9	27.2	27.8	27.8	27.9	28.4	27.6	26.9	26.8	26.9	27.3	27.6	26.8	26.3	26.6	26.1	25.5	25.3	27.6	26.2	0.0	1.4	0.00
KIAA0391	26.8	27.4	26.4	25.7	26.9	26.5	26.7	27.2	26.4	26.5	26.7	26.8	26.6	26.6	25.7	24.7	26.0	24.9	24.7	25.8	26.7	25.3	0.0	1.4	0.00
ZNF281	25.5	25.9	25.8	26.4	26.8	26.1	25.5	25.1	26.2	26.2	26.0	25.8	25.4	25.6	25.4	24.0	24.1	24.5	24.8	NaN	25.9	24.5	0.0	1.4	0.00
SLC39A14	27.9	28.0	28.1	28.8	27.8	28.0	27.5	27.8	27.6	28.1	27.6	28.6	26.9	27.7	26.9	NaN	25.3	26.6	26.5	24.4	27.9	26.5	0.0	1.4	0.00
KIF2C	28.9	28.9	28.4	28.6	28.9	28.8	29.0	29.1	29.0	29.1	28.9	28.3	28.8	28.9	28.4	26.6	27.4	27.8	27.6	26.0	28.9	27.5	0.0	1.3	0.01
CPVL	27.1	26.6	26.4	27.1	27.2	27.4	27.5	27.2	26.7	26.7	26.5	27.1	26.8	26.6	26.4	25.6	26.2	25.6	25.0	24.2	26.9	25.6	0.0	1.3	0.01
BAZ2A	28.8	29.3	28.9	27.7	30.0	30.0	29.0	28.6	29.7	28.7	28.9	29.0	28.3	29.0	28.6	27.9	28.9	27.0	27.4	27.1	29.0	27.6	0.0	1.3	0.01
PWWP2A	24.8	24.0	24.4	25.1	25.0	25.1	24.6	24.7	24.2	23.9	24.7	24.4	23.7	23.8	23.7	23.0	NaN	23.3	22.6	NaN	24.5	23.2	0.0	1.3	0.01
TGIF1	24.3	24.5	23.7	24.3	23.4	23.5	23.6	24.4	24.4	24.3	23.6	24.1	24.0	23.8	23.3	23.2	22.1	22.7	22.6	NaN	24.0	22.7	0.0	1.3	0.01
TRMT1	27.1	27.9	27.0	27.9	28.3	27.9	27.3	27.6	27.8	27.1	27.3	27.6	27.6	27.6	27.3	25.9	26.8	26.4	26.2	26.1	27.6	26.3	0.0	1.3	0.01
ALDH1B1	29.6	29.6	29.3	30.4	30.1	30.1	29.9	29.8	29.7	29.4	29.1	29.8	29.4	29.7	29.1	28.3	29.3	28.5	28.3	27.5	29.7	28.4	0.0	1.3	0.01
CRABP2	28.7	28.5	27.5	28.6	28.6	28.9	28.9	28.7	28.7	28.9	28.7	28.0	28.8	28.6	29.2	27.1	27.9	27.7	26.9	26.1	28.7	27.4	0.0	1.3	0.01
CEBPZ	29.3	29.3	29.4	29.3	29.1	28.7	29.2	28.9	29.4	29.4	29.1	29.2	28.9	29.0	29.1	26.8	27.8	28.1	28.0	27.8	29.2	27.9	0.0	1.3	0.01
CBS	32.1	32.1	32.1	32.0	32.6	32.4	32.1	32.2	32.4	31.9	32.0	31.9	32.1	32.0	31.5	29.6	30.8	30.8	30.8	29.4	32.1	30.8	0.0	1.3	0.01
PDK3	26.1	26.4	25.3	25.6	25.0	25.2	26.0	26.5	25.5	25.7	25.7	26.0	25.8	24.8	25.4	23.6	24.8	23.9	24.4	NaN	25.7	24.4	0.0	1.3	0.01
LPCAT1	29.6	29.3	29.3	29.2	29.1	29.1	29.3	29.5	29.4	29.3	29.1	29.4	28.8	29.5	28.6	28.3	27.7	28.5	27.7	27.1	29.3	28.0	0.0	1.3	0.01
SLC3A2	31.8	31.9	31.3	33.2	32.3	31.8	31.8	32.5	32.2	31.7	31.5	32.6	31.3	32.3	31.5	29.8	30.8	31.0	30.4	28.9	31.9	30.6	0.0	1.3	0.01
KPNA2	32.6	32.5	32.7	32.6	32.9	33.0	32.6	32.6	32.8	32.6	32.5	32.6	32.3	32.4	32.1	30.6	30.8	31.8	31.8	30.2	32.6	31.3	0.0	1.3	0.01
SLC25A29	26.7	26.9	26.8	25.5	26.3	25.8	26.2	26.5	26.7	26.2	26.2	27.7	24.9	26.3	25.9	25.0	25.0	24.4	26.0	24.9	26.3	25.0	0.0	1.3	0.01
ALDH4A1	28.1	28.4	28.4	28.2	28.5	28.7	28.0	28.2	28.5	28.1	27.8	28.4	28.2	28.4	28.0	27.3	26.4	27.0	26.6	27.0	28.3	27.0	0.0	1.3	0.01
HMOX1	25.9	26.3	28.0	27.2	26.8	26.6	26.0	26.3	26.4	26.8	26.5	27.5	25.2	26.3	26.9	22.9	24.8	26.0	25.2	25.2	26.5	25.2	0.0	1.3	0.01
CCNB1	28.6	28.8	28.6	28.9	29.0	29.2	28.6	28.4	28.7	28.5	28.5	28.8	28.4	28.6	28.5	26.6	26.9	28.3	27.9	26.0	28.6	27.4	0.0	1.3	0.01
TGS1	24.4	25.1	23.9	24.8	24.2	25.5	24.2	25.6	24.8	25.1	25.0	24.6	25.0	24.9	24.8	22.9	23.6	23.5	NaN	24.1	24.8	23.6	0.0	1.2	0.01
ACSL4	29.3	29.4	29.4	29.5	28.9	28.4	28.8	29.6	28.8	29.5	29.3	29.5	28.9	29.0	28.3	27.3	27.8	28.9	28.8	27.0	29.3	28.1	0.0	1.2	0.01
SLC38A1	27.4	27.3	27.7	28.2	26.8	28.1	27.1	27.0	27.3	27.6	27.4	27.7	26.7	26.9	26.4	24.7	25.8	26.8	27.3	25.0	27.3	26.1	0.0	1.2	0.01
ANLN	26.5	26.7	25.7	26.6	26.4	26.5	25.7	26.8	25.7	26.9	26.8	26.1	25.2	27.0	26.2	24.8	24.6	25.5	25.6	25.1	26.5	25.3	0.0	1.2	0.01
QSER1	24.8	24.5	25.9	24.0	26.3	25.7	24.3	24.6	25.0	25.2	25.0	25.2	24.8	24.5	25.1	23.5	23.2	NaN	23.7	24.1	24.9	23.7	0.0	1.2	0.01
HERC2	25.2	25.4	26.2	25.8	26.1	25.8	25.9	25.2	25.4	25.9	25.5	26.6	26.1	25.9	25.0	24.3	24.2	25.0	24.1	24.9	25.8	24.6	0.0	1.2	0.01
TRIM24	28.2	28.2	27.8	28.5	28.0	28.1	28.4	28.0	28.4	28.3	28.2	27.9	27.9	28.0	27.6	26.7	26.8	27.8	27.0	25.9	28.1	26.9	0.0	1.2	0.01
TACC3	27.6	27.6	27.6	28.0	28.1	27.8	27.5	27.6	27.7	28.0	28.0	27.6	27.5	27.8	27.7	25.5	25.9	27.4	27.0	25.0	27.6	26.4	0.0	1.2	0.01
TRIP10	26.0	25.9	26.1	25.9	26.0	26.8	26.1	26.3	26.5	26.3	26.1	26.1	26.4	26.3	25.7	25.2	24.6	25.1	24.8	24.5	26.1	24.9	0.0	1.2	0.01
USP28	26.0	25.4	26.3	26.2	25.8	25.8	26.3	26.7	25.0	25.2	25.7	25.0	25.9	25.6	24.8	NaN	NaN	25.0	24.4	24.1	25.8	24.6	0.0	1.2	0.01
EPHX1	29.2	29.1	28.4	29.2	28.9	29.2	29.1	28.9	28.7	28.8	28.4	29.2	28.7	28.9	27.8	27.6	28.6	27.9	27.4	27.1	28.9	27.7	0.0	1.2	0.01
FGFR1OP	25.7	25.7	25.4	22.9	26.3	26.7	24.6	26.2	26.2	25.4	25.7	25.6	25.0	26.0	25.6	25.0	24.0	25.1	23.7	23.8	25.7	24.5	0.0	1.2	0.01
KIF22	27.2	28.0	27.0	27.7	27.9	27.0	27.0	27.5	27.5	28.1	27.7	27.5	27.3	27.6	27.8	26.2	26.0	26.5	27.1	25.2	27.5	26.3	0.0	1.2	0.01
LRBA	28.5	28.4	28.3	28.3	28.5	28.4	28.6	28.5	28.5	28.6	28.1	28.2	29.1	28.3	27.4	25.6	27.2	26.7	27.5	27.3	28.4	27.2	0.0	1.2	0.01
PSIP1	31.3	31.2	31.3	31.0	30.9	30.9	31.4	31.3	31.1	31.4	31.2	31.2	31.2	31.2	31.1	30.1	30.1	30.0	29.9	29.4	31.2	30.0	0.0	1.2	0.01

ZIC2	25.5	26.4	25.8	26.1	26.8	26.8	25.6	25.2	26.3	26.6	26.3	26.5	25.7	25.7	26.1	25.0	25.1	25.0	23.9	NaN	26.2	25.0	0.0	1.2	0.01
PCCA	27.8	27.7	27.2	27.3	27.8	28.1	27.6	27.7	27.6	27.6	27.6	27.2	27.8	27.7	27.4	26.5	26.9	26.3	25.9	26.5	27.7	26.5	0.0	1.2	0.01
C11orf98	26.6	26.9	24.9	25.8	27.5	27.8	26.0	26.8	27.3	25.9	25.9	26.4	25.8	27.3	25.9	25.5	25.7	24.4	25.1	24.7	26.5	25.3	0.0	1.2	0.01
ENPP1	26.5	26.2	25.2	25.8	26.1	25.6	26.1	26.6	25.7	26.1	25.6	26.3	25.5	26.4	24.9	24.6	NaN	24.2	25.0	25.6	26.1	24.9	0.0	1.2	0.01
MTFP1	25.5	25.5	24.6	25.1	24.1	24.1	23.4	24.3	25.1	25.1	25.2	25.0	24.8	25.6	23.9	NaN	24.4	23.4	24.1	23.7	25.0	23.9	0.0	1.2	0.01
ACAD8	27.2	26.8	26.5	27.0	26.2	26.0	26.9	26.3	26.8	26.9	26.7	27.8	26.8	26.7	26.4	25.8	24.4	24.8	25.4	26.2	26.8	25.6	0.0	1.2	0.01
GLA	27.1	27.2	26.6	26.9	27.0	27.4	27.5	27.4	27.2	27.2	26.6	27.4	26.9	26.7	26.3	25.9	25.9	25.9	26.1	26.2	27.2	26.0	0.0	1.2	0.01
POLRMT	26.2	27.2	26.6	28.0	27.1	27.3	26.5	27.0	26.8	27.0	26.9	28.2	25.7	26.9	26.6	22.9	25.7	25.9	26.4	24.7	27.0	25.8	0.0	1.2	0.01
FDXR	27.7	27.5	26.4	27.5	28.1	27.8	27.5	27.8	27.2	27.3	27.2	27.6	27.0	26.8	26.5	26.9	25.3	25.3	26.2	27.3	27.5	26.3	0.0	1.2	0.01
ZFAND6	24.6	25.0	24.9	24.9	25.8	24.9	26.1	24.2	25.5	25.0	24.9	24.8	24.6	25.1	24.5	24.1	23.7	23.2	23.8	23.7	24.9	23.8	0.0	1.2	0.01
NASP	33.1	33.0	33.1	33.1	33.2	33.2	33.3	33.2	33.4	33.2	33.2	32.9	33.1	33.0	33.2	31.4	31.7	32.3	32.4	31.7	33.2	32.0	0.0	1.2	0.01
ABHD17B	25.5	26.2	25.5	25.9	26.6	25.8	25.4	26.5	25.7	25.8	25.8	26.0	25.4	25.3	25.1	24.6	24.0	24.7	24.6	24.4	25.8	24.6	0.0	1.1	0.01
ERCC6L	26.6	25.9	26.2	26.3	26.2	25.9	26.6	25.6	26.3	26.5	26.5	25.3	26.5	25.8	25.2	24.1	25.1	25.5	25.0	24.1	26.2	25.1	0.0	1.1	0.01
PRKCI	27.7	27.4	27.7	27.2	27.6	28.2	27.7	27.6	27.8	28.0	27.8	27.9	27.8	27.4	27.4	26.5	26.8	26.6	26.2	25.9	27.7	26.6	0.0	1.1	0.01
ARFGEF1	28.1	28.3	27.9	28.2	28.1	28.2	28.1	28.4	28.0	28.1	28.1	27.9	27.7	27.8	27.2	27.0	27.1	26.8	26.8	26.3	28.1	26.9	0.0	1.1	0.01
KIF11	28.9	29.7	28.6	29.1	29.2	29.2	29.0	29.5	29.1	29.2	29.2	29.0	29.0	29.5	29.0	27.2	27.8	28.2	28.5	26.7	29.1	28.0	0.0	1.1	0.01
CHML	25.3	25.3	25.5	23.6	26.4	26.2	25.1	24.9	25.6	23.8	24.9	23.9	25.4	24.8	24.7	24.5	23.5	23.9	24.1	24.0	25.2	24.1	0.0	1.1	0.02
COA7	26.5	26.2	27.0	27.9	25.4	26.8	27.0	26.8	25.6	27.0	26.6	26.8	26.1	26.5	26.4	23.6	25.2	25.7	26.5	25.4	26.7	25.6	0.0	1.1	0.02
HTATIP2	23.7	25.8	23.8	22.3	23.7	23.2	24.7	26.0	23.8	22.6	25.2	26.1	24.0	25.1	22.8	NaN	22.6	NaN	22.9	NaN	23.9	22.8	0.0	1.1	0.02
ANKZF1	26.7	25.7	25.8	26.2	26.1	25.1	26.1	26.7	26.2	26.4	26.5	26.2	26.1	26.2	26.1	25.0	24.9	25.5	25.1	24.7	26.2	25.0	0.0	1.1	0.02
PAK1	27.8	28.5	27.3	27.4	27.6	28.0	27.9	28.6	27.5	27.8	28.1	27.2	28.1	28.2	28.1	26.1	26.6	27.6	26.8	26.6	27.8	26.7	0.0	1.1	0.02
MTA3	27.8	27.9	27.6	27.1	28.2	28.3	27.7	27.3	27.8	27.1	27.9	27.5	27.8	27.7	27.0	26.1	26.8	25.7	26.8	26.5	27.7	26.6	0.0	1.1	0.02
EIF1B	28.3	27.9	28.4	27.1	28.3	27.8	28.0	28.1	28.2	28.7	28.3	28.5	28.0	27.8	28.3	27.3	26.8	27.7	26.8	26.9	28.2	27.1	0.0	1.1	0.02
FAM207A	25.2	25.5	24.1	24.7	24.7	25.8	24.5	26.5	24.8	25.3	25.3	24.9	24.1	26.0	24.1	23.8	24.0	NaN	24.5	23.7	25.1	24.0	0.0	1.1	0.02
SLC4A7	27.3	27.5	25.3	25.7	27.0	26.5	26.6	27.8	27.0	26.5	27.0	26.7	27.4	27.1	26.8	25.5	26.3	24.5	26.2	25.4	27.0	25.9	0.0	1.1	0.02
JMJD1C	23.6	25.1	NaN	23.9	22.9	24.1	23.8	24.0	23.2	23.0	24.5	23.6	24.2	23.6	22.6	NaN	23.0	NaN	NaN	22.7	23.8	22.7	0.0	1.1	0.02
PNPLA6	25.6	25.9	24.7	25.2	25.0	26.7	25.1	25.6	25.3	25.4	25.2	24.8	24.1	24.4	24.7	24.1	24.0	24.0	24.2	24.0	25.2	24.1	0.0	1.1	0.02
GLTSCR2	26.6	26.9	27.4	26.9	28.0	28.8	26.9	26.7	27.5	27.1	26.9	26.1	26.4	26.2	27.7	25.2	26.0	24.9	26.1	25.6	26.9	25.8	0.0	1.1	0.02
PYCR2	28.9	29.3	28.4	29.4	29.4	29.4	28.7	29.0	29.0	28.9	28.9	28.9	29.1	29.0	28.8	27.5	28.5	28.0	27.8	27.6	29.0	27.9	0.0	1.1	0.02
SMARCD2	27.4	27.5	26.6	27.0	26.9	27.3	27.4	28.3	27.5	27.5	27.0	26.4	27.3	27.4	26.3	25.7	26.9	25.2	26.2	27.7	27.3	26.2	0.0	1.1	0.02
FZD7	26.4	25.8	26.1	27.4	26.5	26.3	26.7	25.9	26.4	25.8	25.8	26.5	25.4	26.0	25.7	25.7	24.4	25.6	24.6	24.5	26.2	25.1	0.0	1.1	0.02
GOLPH3L	25.2	25.3	24.7	25.8	24.6	24.6	25.6	25.9	25.5	24.8	25.5	24.5	24.7	25.6	25.2	23.9	24.1	24.1	24.8	24.1	25.2	24.1	0.0	1.1	0.02
KNOP1	27.4	27.5	27.1	27.6	27.5	27.5	27.4	27.2	27.5	27.7	27.5	27.4	27.1	27.5	27.4	25.7	26.6	26.3	26.7	25.9	27.5	26.4	0.0	1.1	0.02
EIF4EBP1	25.7	25.8	24.2	26.1	26.9	27.3	25.6	26.4	26.1	25.7	25.5	25.6	25.7	26.4	25.6	24.0	25.6	24.0	24.4	25.0	25.8	24.7	0.0	1.1	0.02
DDI2	26.7	26.8	26.8	26.6	27.1	27.0	26.4	27.5	26.7	26.8	26.8	26.2	26.6	26.8	26.7	24.6	26.2	25.6	25.6	25.7	26.8	25.7	0.0	1.1	0.02
TIMMDC1	25.8	25.4	25.9	25.7	25.9	26.4	24.3	24.8	24.5	25.3	24.8	25.9	24.4	25.5	24.6	23.8	24.1	24.8	24.9	24.2	25.5	24.4	0.0	1.1	0.02
PSAT1	32.8	32.8	33.3	33.1	33.0	32.9	32.6	33.4	33.0	32.7	32.9	32.8	33.2	33.0	32.6	31.1	31.8	31.8	32.1	31.9	32.9	31.9	0.0	1.1	0.02
UBE2S	28.0	27.8	28.1	28.1	28.0	28.2	28.1	27.9	28.1	28.3	27.9	27.7	27.4	27.7	27.4	25.5	26.4	27.6	27.5	25.7	28.0	26.9	0.0	1.1	0.02
PTCD1	24.5	25.1	24.6	25.8	23.5	24.2	24.5	25.1	25.0	25.1	24.0	24.9	23.2	23.8	24.8	22.8	23.2	23.5	24.0	23.5	24.6	23.5	0.0	1.1	0.02
HLA-C	25.9	24.9	24.7	25.4	25.1	23.6	25.0	23.7	25.8	25.6	25.2	25.5	23.5	24.1	24.1	23.1	NaN	24.2	24.0	23.4	25.0	24.0	0.0	1.1	0.02
SLC7A5	28.1	27.7	27.5	29.6	29.0	28.5	27.7	27.9	28.4	27.8	28.1	28.3	27.7	28.6	27.4	25.8	27.0	27.4	27.1	25.0	28.1	27.0	0.0	1.1	0.02
ACOT8	25.6	25.2	25.2	26.5	25.7	26.3	25.7	25.9	25.9	24.7	24.7	25.8	24.6	25.5	24.8	25.2	24.5	24.4	24.4	24.7	25.6	24.6	0.0	1.1	0.02

TSR1	28.6	29.4	29.4	28.7	28.7	28.9	28.7	29.5	29.3	29.3	28.8	29.4	28.9	28.8	28.7	27.2	27.9	27.8	28.4	27.5	28.9	27.8	0.0	1.0	0.02
ARHGAP19	23.0	24.6	21.5	NaN	25.2	24.5	21.4	23.2	22.8	22.3	22.6	NaN	21.7	23.4	21.7	22.0	NaN	NaN	NaN	NaN	22.9	21.8	0.0	1.0	0.02
AUH	24.9	25.5	24.4	24.4	25.1	26.0	25.3	26.1	25.4	24.9	24.6	25.4	24.2	24.6	24.5	23.9	23.8	25.1	24.1	23.9	25.0	24.0	0.0	1.0	0.02
MIS18A	24.7	24.5	25.1	24.9	25.5	26.2	25.2	25.8	24.7	25.3	24.9	25.0	24.7	24.5	24.2	NaN	NaN	23.9	23.9	NaN	25.0	23.9	0.0	1.0	0.02
BLVRB	27.0	26.6	26.5	26.9	26.4	27.0	27.8	27.3	26.6	26.7	26.5	26.5	26.6	27.0	25.7	26.5	25.4	25.5	25.5	26.0	26.6	25.6	0.0	1.0	0.02
PLCB3	29.7	29.7	29.7	29.5	30.2	30.3	29.5	29.6	29.6	29.5	29.6	29.4	29.3	29.5	28.7	28.5	28.7	28.3	28.1	28.6	29.6	28.6	0.0	1.0	0.02
ASNS	30.4	30.7	31.8	31.4	31.0	30.7	30.2	31.6	31.0	31.0	30.8	31.4	31.1	30.6	31.0	28.8	29.6	30.3	30.6	29.5	31.0	30.0	0.0	1.0	0.03
PYCR1	29.4	29.4	28.9	29.5	29.6	29.9	29.1	29.4	29.6	29.5	29.4	29.4	29.7	29.3	29.0	28.3	29.6	28.5	28.3	28.3	29.4	28.4	0.0	1.0	0.03
MSH2	31.4	31.2	31.4	31.2	31.4	31.4	31.2	31.4	31.3	31.3	31.2	31.2	31.3	31.4	31.0	29.6	30.2	30.4	30.5	29.7	31.3	30.3	0.0	1.0	0.03
MAN2A1	28.2	27.8	27.8	28.6	28.0	27.5	28.1	28.3	27.9	28.2	27.8	28.1	28.0	28.1	26.8	26.0	27.1	27.2	27.0	27.2	28.1	27.1	0.0	1.0	0.03
CUTC	25.4	26.0	25.7	25.8	26.1	26.5	25.4	26.2	25.8	25.3	25.7	25.1	25.8	25.7	25.1	25.5	24.6	24.9	24.6	24.2	25.7	24.7	0.0	1.0	0.03
FADD	28.6	28.4	28.5	27.6	28.0	28.0	28.7	29.0	28.4	28.6	28.1	27.9	28.2	28.4	28.3	27.5	26.5	27.2	27.4	27.3	28.4	27.4	0.0	1.0	0.03
JUP	29.9	30.1	29.9	30.0	29.8	30.2	29.7	29.9	29.9	29.8	29.9	30.1	29.4	29.7	29.2	28.2	28.8	29.1	29.0	27.5	29.9	28.9	0.0	1.0	0.03
PHGDH	33.7	33.7	33.6	33.7	34.0	34.3	33.6	34.0	33.9	33.6	33.6	33.4	33.9	33.8	33.5	31.9	33.0	32.6	32.8	32.5	33.7	32.7	0.0	1.0	0.03
POLR2L	27.0	25.9	26.8	26.6	26.9	27.2	26.5	27.2	26.2	25.8	25.9	26.5	25.9	26.3	26.4	26.3	25.3	23.9	25.7	25.1	26.5	25.5	0.0	1.0	0.03
TRABD	26.0	26.0	25.5	25.8	26.3	26.2	25.6	25.0	25.7	25.8	25.6	25.7	24.6	25.7	25.2	23.4	25.1	24.5	24.4	25.0	25.7	24.7	0.0	1.0	0.03
HK2	29.6	30.0	30.4	29.8	29.7	29.4	29.6	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.5	27.2	28.6	29.4	28.9	26.6	29.8	28.8	0.0	1.0	0.03
RCOR2	27.3	27.2	27.3	27.8	27.5	27.2	27.2	26.7	27.5	27.3	27.3	27.3	27.1	27.1	27.2	26.3	26.3	26.6	26.1	25.0	27.3	26.3	0.0	1.0	0.03
PDCD2L	26.4	26.7	26.6	27.3	26.9	26.7	26.9	27.1	26.8	26.8	26.5	26.8	26.1	26.8	26.1	24.9	25.6	26.0	26.3	24.9	26.8	25.8	0.0	1.0	0.03
CDC123	27.8	28.0	28.4	27.9	28.1	28.2	27.9	28.5	27.8	28.0	27.8	28.2	27.2	27.7	27.7	26.3	26.5	27.4	27.5	26.4	27.9	27.0	0.0	1.0	0.03
NFXL1	25.1	25.6	25.9	26.7	26.4	26.1	25.5	25.7	25.8	25.3	25.1	26.2	25.0	24.3	25.2	23.9	25.2	24.7	24.6	23.4	25.6	24.6	0.0	1.0	0.03
GCLC	25.6	26.1	26.2	26.6	25.9	26.2	26.3	26.3	26.0	25.7	26.3	25.7	26.2	26.2	25.4	24.9	25.0	25.9	25.9	24.9	26.2	25.2	0.0	1.0	0.03
STRBP	28.9	29.0	29.0	29.2	28.4	28.5	28.7	29.0	28.8	29.2	28.9	28.8	28.6	28.6	28.4	27.4	28.1	27.9	27.8	26.7	28.8	27.8	0.0	1.0	0.03
NDC1	27.3	27.1	27.2	27.5	27.6	27.8	27.2	27.1	27.3	27.2	27.4	27.5	27.0	27.1	27.2	26.0	26.3	26.0	26.6	26.2	27.3	26.3	0.0	1.0	0.03
ZNF687	25.7	25.3	24.8	25.3	25.3	25.7	25.4	25.0	24.8	25.6	25.6	24.5	25.9	25.5	24.8	24.3	24.0	24.7	24.5	24.1	25.4	24.4	0.0	1.0	0.03
GPT2	28.2	28.2	28.5	29.4	28.5	28.4	27.7	28.5	28.5	28.4	28.0	28.9	27.9	28.5	28.0	27.0	26.9	27.5	27.7	27.4	28.4	27.5	0.0	1.0	0.03
HLA-A	24.7	23.9	NaN	24.2	25.9	24.0	24.1	22.8	24.7	24.3	24.2	24.5	24.1	24.0	23.2	22.8	NaN	NaN	23.4	NaN	24.2	23.2	0.0	1.0	0.03
WNK3	24.0	24.4	22.9	23.7	23.7	24.1	23.3	25.1	23.4	23.6	23.8	NaN	23.0	23.7	22.8	NaN	23.2	23.7	22.8	22.1	23.7	22.8	0.0	1.0	0.03
ZNF483	27.0	26.7	25.6	25.7	26.0	26.0	26.6	26.6	26.3	26.0	26.7	25.5	25.1	26.5	25.0	25.3	25.4	23.9	22.8	25.9	26.2	25.2	0.0	1.0	0.03
MRPL17	27.8	27.8	27.4	27.8	27.6	28.1	27.8	27.8	27.7	27.8	27.0	27.8	27.4	27.3	27.7	26.3	27.6	26.7	26.9	26.8	27.8	26.8	0.0	1.0	0.03
RPUSD2	26.3	26.3	26.5	26.4	26.1	26.0	26.6	27.0	26.4	26.4	26.5	26.6	26.2	26.7	26.3	24.8	25.4	25.2	26.0	25.5	26.4	25.5	0.0	1.0	0.03
LYN	27.3	28.0	27.0	27.3	28.2	28.1	26.6	27.7	26.6	27.0	27.1	27.1	27.2	27.8	26.3	27.0	27.2	25.8	26.2	25.9	27.2	26.3	0.0	1.0	0.03
CHEK2	25.4	26.3	25.5	26.9	26.3	26.0	25.8	24.5	25.8	26.4	26.0	24.6	26.0	25.6	25.7	23.7	24.5	25.5	24.6	25.2	25.9	24.9	0.0	1.0	0.03
RRS1	29.5	29.8	28.6	29.6	29.9	30.2	29.3	29.6	29.6	29.5	29.2	29.6	28.7	29.5	29.3	27.2	28.7	27.8	28.6	28.7	29.6	28.6	0.0	1.0	0.03
DNAJB5	24.3	24.9	25.4	24.9	25.1	26.1	24.7	23.9	24.8	25.8	25.0	23.3	24.3	24.6	24.6	23.7	24.1	24.6	23.3	23.6	24.9	23.9	0.0	0.9	0.03
TIMELESS	26.3	26.7	25.7	26.5	26.1	26.4	26.3	26.5	26.3	26.3	26.5	26.3	26.1	26.2	26.3	24.8	25.0	25.7	25.8	24.5	26.3	25.4	0.0	0.9	0.04
TFB1M	26.3	26.8	26.2	26.7	26.8	26.9	26.2	26.1	25.9	26.5	26.1	25.6	26.2	25.8	25.5	24.6	25.7	25.9	24.4	25.0	26.2	25.3	0.0	0.9	0.04
PASK	24.6	24.4	24.4	24.2	24.0	24.3	24.5	24.6	24.2	24.4	24.9	23.6	25.2	24.9	23.5	24.1	23.2	23.7	NaN	22.9	24.4	23.5	0.0	0.9	0.04
HSD17B4	32.4	32.4	32.2	32.2	32.2	32.6	32.5	32.4	32.3	32.2	32.2	32.3	32.3	32.4	31.8	31.7	31.3	31.4	31.3	30.9	32.3	31.4	0.0	0.9	0.04
DDX18	30.6	30.5	30.0	30.2	30.6	30.6	29.7	30.4	30.1	30.3	29.9	30.9	29.6	30.1	29.9	28.6	29.4	29.2	29.8	29.1	30.2	29.3	0.0	0.9	0.04
PPM1B	28.6	28.3	28.2	28.7	29.3	29.5	29.0	29.1	28.7	28.2	28.2	28.0	28.4	28.7	28.2	27.8	27.7	28.1	27.6	27.3	28.7	27.7	0.0	0.9	0.04
RNF114	27.5	27.0	26.4	26.7	26.4	26.9	27.6	27.0	26.9	27.8	27.6	26.6	27.3	27.3	27.1	26.6	26.0	24.9	24.8	26.2	27.0	26.1	0.0	0.9	0.04

AAMP	27.4	27.7	27.7	27.4	27.3	27.2	27.3	27.4	27.4	27.4	27.0	27.6	26.9	26.7	26.7	26.5	26.4	26.1	26.8	26.0	27.4	26.4	0.0	0.9	0.04
CHMP2B	25.7	24.8	24.6	25.1	25.6	24.4	26.0	25.7	25.8	25.7	25.4	24.5	25.3	25.9	25.1	24.9	24.7	22.8	24.4	24.5	25.5	24.6	0.0	0.9	0.04
COL4A3BP	27.2	27.4	27.2	26.8	27.2	27.6	27.4	27.4	27.2	27.0	27.3	26.6	27.1	27.3	26.7	26.3	26.5	26.2	26.3	25.9	27.2	26.3	0.0	0.9	0.04
UTP20	28.4	28.8	28.6	28.9	28.7	28.8	28.3	28.8	28.5	28.6	28.5	29.3	28.1	28.3	28.3	26.2	27.7	27.7	28.0	27.5	28.6	27.7	0.0	0.9	0.04
HSPA14	28.2	28.2	28.3	27.7	28.2	28.2	28.1	28.3	28.0	28.3	27.9	27.8	28.0	27.9	28.0	26.0	27.2	27.2	27.9	27.1	28.1	27.2	0.0	0.9	0.04
SET	33.0	32.8	33.0	32.8	32.9	32.9	33.0	32.7	33.1	32.7	32.9	32.4	33.0	33.0	32.8	31.7	32.1	32.2	31.9	31.8	32.9	32.0	0.0	0.9	0.04
PDPR	27.5	27.1	26.8	27.1	26.9	26.7	26.9	27.2	26.9	26.9	26.6	27.4	26.8	27.3	26.7	25.2	25.8	25.8	26.2	26.7	26.9	26.0	0.0	0.9	0.04
SLC7A1	26.0	26.2	26.4	27.2	26.9	26.6	25.8	26.4	26.5	26.3	26.2	26.7	26.1	26.3	25.7	24.7	25.2	25.7	25.9	23.9	26.3	25.4	0.0	0.9	0.04
RCC2	32.4	32.4	32.5	32.6	32.6	32.9	32.7	32.5	32.5	32.4	32.4	32.3	32.5	32.4	32.2	30.7	31.7	31.6	32.0	31.4	32.5	31.6	0.0	0.9	0.04
NLN	30.4	30.3	30.1	30.4	30.1	30.3	30.4	30.4	30.1	30.1	30.1	30.1	30.2	30.3	29.4	28.9	29.3	29.3	29.4	29.0	30.2	29.3	0.0	0.9	0.04
LRRC1	24.3	25.4	23.8	23.7	24.2	NaN	24.2	23.5	24.3	24.0	24.1	24.0	23.3	23.3	22.9	22.4	23.2	23.0	23.7	23.2	24.0	23.1	0.0	0.9	0.04
PHC1	25.3	24.8	25.7	26.0	25.7	25.6	24.9	25.3	25.5	26.2	25.3	24.4	24.1	25.1	25.3	24.5	24.0	24.4	24.2	NaN	25.3	24.4	0.0	0.9	0.04
CYB5A	28.6	28.4	27.2	28.2	28.7	28.0	28.6	28.5	28.5	28.3	28.1	28.6	28.2	28.6	27.6	27.9	27.5	27.2	27.0	27.6	28.4	27.5	0.0	0.9	0.04
TIMM8A	26.5	25.9	25.4	26.7	27.2	27.6	26.5	27.0	26.6	26.6	26.1	27.1	25.3	26.6	26.3	25.5	25.9	25.5	26.0	25.5	26.6	25.7	0.0	0.9	0.04
MAD2L2	23.2	24.6	24.1	23.8	25.5	26.7	23.7	24.4	24.4	23.6	24.9	23.8	21.8	24.6	22.3	23.3	23.9	23.3	23.4	NaN	24.2	23.3	0.0	0.9	0.04
DPYSL3	33.0	33.3	33.5	33.0	33.2	33.6	33.1	33.3	33.3	33.1	33.4	33.1	33.1	33.2	32.8	33.1	32.4	32.2	32.2	31.7	33.2	32.3	0.0	0.9	0.04
MAP3K4	25.2	25.6	25.2	24.9	24.4	24.8	25.0	26.3	24.5	24.2	25.2	25.3	24.9	24.7	24.4	24.2	25.1	23.9	23.9	23.5	25.0	24.1	0.0	0.9	0.04
NCBP2-AS2	23.2	24.2	23.0	22.8	22.6	23.1	23.3	24.4	23.5	23.3	23.9	22.5	22.8	23.5	22.8	22.2	21.9	22.4	21.9	23.0	23.2	22.3	0.0	0.9	0.04
ZNF532	27.0	27.2	26.9	27.0	26.9	26.9	26.6	26.7	27.0	27.3	27.2	26.9	27.0	27.0	26.7	25.4	26.3	26.3	25.8	25.9	27.0	26.1	0.0	0.9	0.04
MARS	31.3	31.5	31.2	31.0	31.0	31.7	31.2	31.6	31.3	31.2	31.3	30.8	31.4	31.3	30.8	30.1	30.9	30.3	30.4	30.4	31.3	30.4	0.0	0.9	0.04
GAN	24.5	24.0	23.8	24.1	24.6	24.8	24.4	23.8	24.5	24.1	24.0	23.7	24.1	23.9	24.2	23.3	22.7	23.6	23.0	22.6	24.1	23.2	0.0	0.9	0.04
HLTF	26.2	26.5	25.3	25.9	26.2	25.8	25.6	26.4	25.6	25.4	26.1	25.1	26.5	26.5	25.2	24.7	24.9	25.0	25.7	25.8	26.0	25.1	0.0	0.9	0.05
USP9X	30.4	30.2	30.3	30.4	29.7	29.7	31.1	30.8	29.9	30.6	30.0	30.1	30.4	29.7	29.2	29.5	28.9	30.4	29.5	29.1	30.2	29.4	0.0	0.9	0.05
MCU	27.0	28.0	25.8	27.1	26.6	26.9	26.7	27.6	26.4	26.5	26.7	27.5	26.4	27.2	26.0	26.2	25.8	25.2	26.0	25.7	26.8	25.9	0.0	0.9	0.05
TBRG4	29.1	29.4	29.1	29.1	28.5	28.7	29.3	29.4	28.9	29.1	29.2	30.0	29.1	28.9	29.1	27.1	28.5	27.9	29.1	28.0	29.1	28.3	0.0	0.9	0.05
WDHD1	29.3	29.1	29.1	29.1	29.1	29.4	29.8	29.3	29.3	29.2	29.3	28.7	29.1	29.4	28.9	27.3	28.3	28.5	28.6	27.5	29.3	28.4	0.0	0.9	0.05
NOP16	27.9	27.5	27.6	28.0	27.8	27.6	27.5	27.7	27.7	28.0	27.6	27.8	26.9	27.7	27.5	26.0	26.6	26.6	27.3	27.0	27.7	26.8	0.0	0.9	0.05
CCBL1	26.0	25.6	25.0	24.9	25.9	26.0	25.4	26.4	25.8	25.3	25.7	24.5	26.7	26.2	25.5	25.1	24.3	25.1	24.7	24.4	25.8	24.9	0.0	0.9	0.05
TRMT1L	27.0	26.6	27.0	26.8	27.0	26.9	27.1	27.0	27.0	27.1	27.0	26.7	27.0	26.7	26.9	24.9	26.3	26.2	25.6	26.0	27.0	26.1	0.0	0.9	0.05
DAZAP1	30.3	29.8	29.5	29.6	30.1	30.4	30.1	30.3	30.4	30.0	29.9	29.9	30.0	30.3	29.7	29.0	29.3	28.4	29.1	29.3	30.0	29.2	0.0	0.9	0.05
ORC2	25.8	27.1	26.2	26.3	25.9	26.4	25.6	27.0	25.9	26.3	26.2	25.8	26.2	26.3	25.7	24.7	25.5	NaN	24.8	25.3	26.2	25.3	0.0	0.9	0.05
GEMIN7	26.1	25.7	25.9	26.0	25.5	26.4	25.5	24.8	25.6	25.3	25.8	25.1	25.4	25.0	25.6	NaN	24.7	25.2	24.7	24.4	25.5	24.7	0.0	0.9	0.05
RANGRF	23.4	24.7	23.1	23.7	23.2	23.7	24.4	24.2	24.1	23.4	23.6	22.5	23.7	23.4	23.2	22.3	23.2	23.0	21.8	22.5	23.6	22.8	0.0	0.9	0.05