

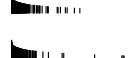



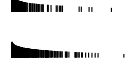










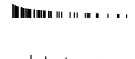
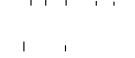










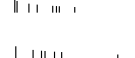





Pathway	Gene ranks	NES	pval	padj
COL1A1		3.04	1.0e-50	2.6e-48
DCN		3.18	1.0e-50	2.6e-48
INHBA		3.04	1.0e-50	2.6e-48
LUM		3.24	1.0e-50	2.6e-48
PTGIS		3.15	1.0e-50	2.6e-48
SULF1		2.97	1.0e-50	2.6e-48
PKNOX2		2.96	2.5e-50	6.0e-48
VGLL3		2.98	2.4e-49	5.1e-47
MICAL2		2.82	2.7e-45	4.5e-43
FGF7		2.88	3.0e-45	4.7e-43
FBN1		2.83	8.8e-44	1.2e-41
PRRX1		2.84	2.6e-42	3.2e-40
DDR2		2.82	1.1e-41	1.2e-39
NOTCH3		2.83	2.7e-41	3.0e-39
GREM1		2.86	5.1e-40	5.2e-38
DACT1		2.78	1.9e-39	1.7e-37
GPC3		2.77	2.4e-37	2.0e-35
CREB3L1		2.66	1.3e-36	1.0e-34
TGFB3		2.71	1.8e-35	1.4e-33
ECM1		2.61	2.7e-35	2.0e-33
MZF1		-2.62	1.5e-28	7.1e-27
TAL2		-2.57	8.5e-29	4.2e-27
DDX17		-2.64	7.5e-29	3.8e-27
ZNF169		-2.67	3.1e-29	1.7e-27
GLIS1		-2.57	1.5e-29	8.6e-28
TSSK4		-2.73	8.5e-30	5.1e-28
ZNF789		-2.68	2.1e-30	1.3e-28
GPS2		-2.80	8.0e-35	5.7e-33
HNF4A		-2.91	2.2e-36	1.7e-34
L3MBTL1		-2.76	9.8e-39	8.5e-37
DAB2		-2.68	3.5e-39	3.1e-37
MLXIPL		-2.97	6.8e-40	6.7e-38
FBP1		-2.91	1.2e-40	1.2e-38
DMRTA1		-2.85	1.5e-43	2.0e-41
CRYM		-3.01	4.8e-45	7.1e-43
TRIM15		-2.94	1.5e-47	2.6e-45
PCK1		-3.12	1.2e-47	2.2e-45
SLC39A5		-3.27	1.0e-50	2.6e-48
LRP2		-3.16	1.0e-50	2.6e-48
HNF1A		-3.14	1.0e-50	2.6e-48

0 5000 10000 15000 20000