

Gene Symbol	FoldChange	FoldChange Description	Gene Symbol	FoldChange	FoldChange Description
ABCA10	2.34	SCC25 10b down vs Scramble	AAA1	5.19	SCC25 10b up vs Scramble
ABHD16B	2.10	SCC25 10b down vs Scramble	AADACL4	2.36	SCC25 10b up vs Scramble
ADAM9	1.91	SCC25 10b down vs Scramble	ABCG2	2.10	SCC25 10b up vs Scramble
ADAMTS12	4.49	SCC25 10b down vs Scramble	ADRB3	2.11	SCC25 10b up vs Scramble
ADH1C	2.62	SCC25 10b down vs Scramble	AFM	4.14	SCC25 10b up vs Scramble
AHSP	2.22	SCC25 10b down vs Scramble	AMHR2	2.13	SCC25 10b up vs Scramble
AOX2P	2.25	SCC25 10b down vs Scramble	ANKK1	7.45	SCC25 10b up vs Scramble
APOBEC2	2.09	SCC25 10b down vs Scramble	AQP9	2.43	SCC25 10b up vs Scramble
APOBEC3D	2.36	SCC25 10b down vs Scramble	ASCL1	2.25	SCC25 10b up vs Scramble
ARID3C	2.18	SCC25 10b down vs Scramble	ATPBD4	2.79	SCC25 10b up vs Scramble
ATOH7	2.53	SCC25 10b down vs Scramble	AVPR2	1.96	SCC25 10b up vs Scramble
ATP8B2	2.03	SCC25 10b down vs Scramble	B3GALT2	2.93	SCC25 10b up vs Scramble
BPIL2	2.19	SCC25 10b down vs Scramble	B3GAT2	3.03	SCC25 10b up vs Scramble

		Scramble			
BTNL9	1.96	SCC25 10b down vs Scramble	BBOX1	3.36	SCC25 10b up vs Scramble
CA7	2.40	SCC25 10b down vs Scramble	BEND2	2.52	SCC25 10b up vs Scramble
CACNG8	4.30	SCC25 10b down vs Scramble	BRSK1	1.94	SCC25 10b up vs Scramble
CADPS2	2.00	SCC25 10b down vs Scramble	BTBD17	2.52	SCC25 10b up vs Scramble
CALCA	3.87	SCC25 10b down vs Scramble	CCDC36	2.89	SCC25 10b up vs Scramble
CCDC151	2.25	SCC25 10b down vs Scramble	CCDC48	2.71	SCC25 10b up vs Scramble
CCDC155	1.90	SCC25 10b down vs Scramble	CD300LD	1.99	SCC25 10b up vs Scramble
CCNB3	6.76	SCC25 10b down vs Scramble	CD300LG	6.54	SCC25 10b up vs Scramble
CDH15	1.96	SCC25 10b down vs Scramble	CDRT7	5.30	SCC25 10b up vs Scramble
CDHR1	2.08	SCC25 10b down vs Scramble	CLDN25	2.03	SCC25 10b up vs Scramble
CHKB	2.92	SCC25 10b down vs Scramble	CLEC14A	2.64	SCC25 10b up vs Scramble
CHST9-AS1	3.34	SCC25 10b down vs Scramble	CPA3	3.13	SCC25 10b up vs Scramble
CLCNKB	2.10	SCC25 10b down vs Scramble	CRHR2	2.17	SCC25 10b up vs Scramble

CLEC1B	2.44	SCC25 10b down vs Scramble	CTRB1	3.34	SCC25 10b up vs Scramble
CNGA4	5.80	SCC25 10b down vs Scramble	CYP4F11	2.85	SCC25 10b up vs Scramble
CNR1	16.89	SCC25 10b down vs Scramble	DEFA8P	1.95	SCC25 10b up vs Scramble
CNTF	1.90	SCC25 10b down vs Scramble	DEPDC4	2.21	SCC25 10b up vs Scramble
COL6A5	2.45	SCC25 10b down vs Scramble	DLX3	2.51	SCC25 10b up vs Scramble
CPNE9	2.19	SCC25 10b down vs Scramble	DMRT3	3.94	SCC25 10b up vs Scramble
CR737729	2.36	SCC25 10b down vs Scramble	DNM1P35	2.27	SCC25 10b up vs Scramble
CSMD3	2.37	SCC25 10b down vs Scramble	FAM49A	1.98	SCC25 10b up vs Scramble
CST2	28.44	SCC25 10b down vs Scramble	FAM65B	2.15	SCC25 10b up vs Scramble
CTXN3	3.42	SCC25 10b down vs Scramble	FAM90A7	3.15	SCC25 10b up vs Scramble
CXCL9	2.01	SCC25 10b down vs Scramble	FBXW10	2.27	SCC25 10b up vs Scramble
CYLC2	2.19	SCC25 10b down vs Scramble	FGF17	4.51	SCC25 10b up vs Scramble
CYP46A1	1.97	SCC25 10b down vs Scramble	FHDC1	1.91	SCC25 10b up vs Scramble
DCDC2B	2.66	SCC25 10b down vs Scramble	FLJ42022	2.22	SCC25 10b up vs Scramble

		Scramble			
DEFA7P	1.92	SCC25 10b down vs Scramble	FLJ45684	2.73	SCC25 10b up vs Scramble
DEFB104B	2.02	SCC25 10b down vs Scramble	FOXJ1	2.25	SCC25 10b up vs Scramble
DEFB133	3.52	SCC25 10b down vs Scramble	FP588	2.11	SCC25 10b up vs Scramble
DKKL1	2.78	SCC25 10b down vs Scramble	GALR2	3.44	SCC25 10b up vs Scramble
DNAH1	2.68	SCC25 10b down vs Scramble	GATA5	2.09	SCC25 10b up vs Scramble
DNAL1	2.04	SCC25 10b down vs Scramble	GCET2	2.06	SCC25 10b up vs Scramble
DRD3	3.90	SCC25 10b down vs Scramble	GDF10	1.97	SCC25 10b up vs Scramble
DYDC2	2.05	SCC25 10b down vs Scramble	GHRLOS2	2.01	SCC25 10b up vs Scramble
EFNA5	3.96	SCC25 10b down vs Scramble	GNAT2	2.53	SCC25 10b up vs Scramble
EGFL6	3.03	SCC25 10b down vs Scramble	GPR144	2.30	SCC25 10b up vs Scramble
ESRRG	2.14	SCC25 10b down vs Scramble	GPR156	2.27	SCC25 10b up vs Scramble
FAM101A	2.43	SCC25 10b down vs Scramble	GPR179	5.85	SCC25 10b up vs Scramble
FAM123A	2.37	SCC25 10b down vs Scramble	GPR18	4.77	SCC25 10b up vs Scramble

FAM47E	2.68	SCC25 10b down vs Scramble	GPR63	1.97	SCC25 10b up vs Scramble
FCGR2B	3.08	SCC25 10b down vs Scramble	GRM2	2.01	SCC25 10b up vs Scramble
FGF14	1.92	SCC25 10b down vs Scramble	HAL	1.99	SCC25 10b up vs Scramble
FLJ13744	2.68	SCC25 10b down vs Scramble	HHIPL2	2.60	SCC25 10b up vs Scramble
FLJ16124	4.74	SCC25 10b down vs Scramble	HIST1H2AA	2.45	SCC25 10b up vs Scramble
FLJ34690	2.38	SCC25 10b down vs Scramble	HTN1	10.07	SCC25 10b up vs Scramble
FLJ42969	3.09	SCC25 10b down vs Scramble	IL12RB1	1.98	SCC25 10b up vs Scramble
FLJ44511	2.76	SCC25 10b down vs Scramble	IQCF6	2.18	SCC25 10b up vs Scramble
FLJ45079	4.89	SCC25 10b down vs Scramble	JOSD2	2.25	SCC25 10b up vs Scramble
FLJ45950	2.55	SCC25 10b down vs Scramble	KCND1	10.06	SCC25 10b up vs Scramble
FMO1	2.97	SCC25 10b down vs Scramble	KCNH6	9.19	SCC25 10b up vs Scramble
FMR1-AS1	3.79	SCC25 10b down vs Scramble	KIAA0889	1.96	SCC25 10b up vs Scramble
FN3K	2.53	SCC25 10b down vs Scramble	KIAA1468	2.07	SCC25 10b up vs Scramble
FRG2	6.82	SCC25 10b down vs Scramble	KLHL15	2.23	SCC25 10b up vs Scramble

		Scramble			
FUT10	3.19	SCC25 10b down vs Scramble	KLHL38	1.95	SCC25 10b up vs Scramble
FUT5	1.99	SCC25 10b down vs Scramble	KPNA7	2.01	SCC25 10b up vs Scramble
GABRA2	1.94	SCC25 10b down vs Scramble	KRT4	2.09	SCC25 10b up vs Scramble
GGNBP1	2.81	SCC25 10b down vs Scramble	KRT78	2.25	SCC25 10b up vs Scramble
GJB6	2.90	SCC25 10b down vs Scramble	KY	5.97	SCC25 10b up vs Scramble
GJC3	2.19	SCC25 10b down vs Scramble	LDLRAD2	3.48	SCC25 10b up vs Scramble
GNGT1	2.11	SCC25 10b down vs Scramble	LILRB2	2.56	SCC25 10b up vs Scramble
GP1BA	2.69	SCC25 10b down vs Scramble	LIPG	2.12	SCC25 10b up vs Scramble
GPR101	3.34	SCC25 10b down vs Scramble	LRP2	2.29	SCC25 10b up vs Scramble
GPR62	58.77	SCC25 10b down vs Scramble	LRRK2	2.12	SCC25 10b up vs Scramble
HCAR2	2.50	SCC25 10b down vs Scramble	LYZL1	3.33	SCC25 10b up vs Scramble
HES5	3.61	SCC25 10b down vs Scramble	MAGEB17	2.09	SCC25 10b up vs Scramble
HHATL	2.17	SCC25 10b down vs Scramble	MRS2P2	9.38	SCC25 10b up vs Scramble

HIST1H4G	3.48	SCC25 10b down vs Scramble	MS4A13	2.13	SCC25 10b up vs Scramble
HNF1B	2.04	SCC25 10b down vs Scramble	MST152	2.67	SCC25 10b up vs Scramble
HOTAIR	1.95	SCC25 10b down vs Scramble	MYH16	3.22	SCC25 10b up vs Scramble
HOXA2	2.30	SCC25 10b down vs Scramble	NCAN	2.05	SCC25 10b up vs Scramble
HPGD	2.71	SCC25 10b down vs Scramble	NCOA2	2.23	SCC25 10b up vs Scramble
HTRA4	2.02	SCC25 10b down vs Scramble	NMNAT2	2.04	SCC25 10b up vs Scramble
HUNK	2.29	SCC25 10b down vs Scramble	NPS	8.15	SCC25 10b up vs Scramble
ICOS	2.04	SCC25 10b down vs Scramble	NTNG2	4.49	SCC25 10b up vs Scramble
INE1	2.07	SCC25 10b down vs Scramble	NXF2	1.93	SCC25 10b up vs Scramble
IPMK	2.24	SCC25 10b down vs Scramble	OR14A16	1.99	SCC25 10b up vs Scramble
IRF2BP2	2.44	SCC25 10b down vs Scramble	OR1F1	2.78	SCC25 10b up vs Scramble
KLHDC1	2.10	SCC25 10b down vs Scramble	OR2A20P	2.19	SCC25 10b up vs Scramble
KLRD1	1.99	SCC25 10b down vs Scramble	OR2T33	2.58	SCC25 10b up vs Scramble
KRT75	1.96	SCC25 10b down vs Scramble	OR51E2	2.27	SCC25 10b up vs Scramble

		Scramble			
KRTAP23-1	2.63	SCC25 10b down vs Scramble	OR52E8	2.14	SCC25 10b up vs Scramble
LCE2B	2.97	SCC25 10b down vs Scramble	OR56A4	5.04	SCC25 10b up vs Scramble
LCE6A	2.07	SCC25 10b down vs Scramble	OR5F1	1.96	SCC25 10b up vs Scramble
LHX5	7.82	SCC25 10b down vs Scramble	OR8G1	3.05	SCC25 10b up vs Scramble
LIMD2	2.56	SCC25 10b down vs Scramble	PALM2	1.99	SCC25 10b up vs Scramble
LIPM	2.39	SCC25 10b down vs Scramble	PARP15	2.90	SCC25 10b up vs Scramble
LIPN	2.21	SCC25 10b down vs Scramble	PDE3A	2.45	SCC25 10b up vs Scramble
LRIT3	1.96	SCC25 10b down vs Scramble	PEBP4	2.44	SCC25 10b up vs Scramble
LRRC7	2.19	SCC25 10b down vs Scramble	PLA2G7	1.98	SCC25 10b up vs Scramble
MAB21L3	2.53	SCC25 10b down vs Scramble	PLVAP	2.35	SCC25 10b up vs Scramble
MARK1	3.31	SCC25 10b down vs Scramble	PNMA6A	1.94	SCC25 10b up vs Scramble
MCCD1	1.94	SCC25 10b down vs Scramble	PP2D1	5.41	SCC25 10b up vs Scramble
MEGF10	2.03	SCC25 10b down vs Scramble	PRHOXNB	3.81	SCC25 10b up vs Scramble

MGAM	2.68	SCC25 10b down vs Scramble	PRO0611	2.53	SCC25 10b up vs Scramble
MGC12916	1.96	SCC25 10b down vs Scramble	PRR5L	1.90	SCC25 10b up vs Scramble
MS4A6E	8.72	SCC25 10b down vs Scramble	PYDC2	1.92	SCC25 10b up vs Scramble
MTCP1	2.39	SCC25 10b down vs Scramble	RAB14	2.05	SCC25 10b up vs Scramble
MYL2	2.12	SCC25 10b down vs Scramble	RABIF	3.56	SCC25 10b up vs Scramble
MYLK3	2.21	SCC25 10b down vs Scramble	REG1B	2.13	SCC25 10b up vs Scramble
MYO7B	2.31	SCC25 10b down vs Scramble	RESP18	1.92	SCC25 10b up vs Scramble
NBPF7	3.91	SCC25 10b down vs Scramble	RIMS1	3.04	SCC25 10b up vs Scramble
NEU3	3.56	SCC25 10b down vs Scramble	RNU105B	1.93	SCC25 10b up vs Scramble
NEUROD2	2.07	SCC25 10b down vs Scramble	SAMD8	1.95	SCC25 10b up vs Scramble
NOTO	2.01	SCC25 10b down vs Scramble	SCN7A	2.89	SCC25 10b up vs Scramble
NPHS1	1.96	SCC25 10b down vs Scramble	SEMG2	2.35	SCC25 10b up vs Scramble
ODF4	2.08	SCC25 10b down vs Scramble	SGIP1	2.51	SCC25 10b up vs Scramble
OPRK1	14.25	SCC25 10b down vs Scramble	SGPP2	3.12	SCC25 10b up vs Scramble

		Scramble			
OR13F1	4.18	SCC25 10b down vs Scramble	SIPA1L3	2.27	SCC25 10b up vs Scramble
OR1S1	2.51	SCC25 10b down vs Scramble	SLC24A2	2.18	SCC25 10b up vs Scramble
OR2A2	2.38	SCC25 10b down vs Scramble	SLC29A2	2.43	SCC25 10b up vs Scramble
OR2J2	2.19	SCC25 10b down vs Scramble	SLC39A12	3.84	SCC25 10b up vs Scramble
OR2Z1	1.92	SCC25 10b down vs Scramble	SLC44A4	2.03	SCC25 10b up vs Scramble
OR3A1	9.94	SCC25 10b down vs Scramble	SLC4A8	2.40	SCC25 10b up vs Scramble
OR4A5	1.90	SCC25 10b down vs Scramble	SLC5A1	1.93	SCC25 10b up vs Scramble
OR51D1	3.31	SCC25 10b down vs Scramble	SLC7A7	2.56	SCC25 10b up vs Scramble
OR6M1	2.21	SCC25 10b down vs Scramble	SLC8A1	1.99	SCC25 10b up vs Scramble
OR6V1	1.97	SCC25 10b down vs Scramble	SMTNL1	2.46	SCC25 10b up vs Scramble
OR7A17	7.83	SCC25 10b down vs Scramble	SPAG8	4.31	SCC25 10b up vs Scramble
OR8H3	2.00	SCC25 10b down vs Scramble	SPAM1	5.83	SCC25 10b up vs Scramble
OR8K5	7.99	SCC25 10b down vs Scramble	SPINK2	2.82	SCC25 10b up vs Scramble

OR9Q1	3.13	SCC25 10b down vs Scramble	SPRR1B	1.95	SCC25 10b up vs Scramble
P2RX3	3.19	SCC25 10b down vs Scramble	SPTB	2.46	SCC25 10b up vs Scramble
P2RY10	2.16	SCC25 10b down vs Scramble	ST8SIA1	2.34	SCC25 10b up vs Scramble
PADI1	239.41	SCC25 10b down vs Scramble	STAB2	2.44	SCC25 10b up vs Scramble
PAK3	6.18	SCC25 10b down vs Scramble	SUCNR1	1.93	SCC25 10b up vs Scramble
PATE4	5.03	SCC25 10b down vs Scramble	SV2C	2.25	SCC25 10b up vs Scramble
PBX1	2.30	SCC25 10b down vs Scramble	TEX13B	4.64	SCC25 10b up vs Scramble
PCDH9	2.06	SCC25 10b down vs Scramble	TFCP2L1	2.05	SCC25 10b up vs Scramble
PCDHGB2	2.73	SCC25 10b down vs Scramble	THEM5	2.11	SCC25 10b up vs Scramble
PDILT	2.36	SCC25 10b down vs Scramble	TMED11P	4.21	SCC25 10b up vs Scramble
PECAM1	2.08	SCC25 10b down vs Scramble	TMEM174	2.62	SCC25 10b up vs Scramble
PIK3C2G	2.29	SCC25 10b down vs Scramble	TMEM211	2.42	SCC25 10b up vs Scramble
PLA2G2C	2.13	SCC25 10b down vs Scramble	TMEM35	2.38	SCC25 10b up vs Scramble
PLA2G2D	4.26	SCC25 10b down vs Scramble	TMOD2	2.04	SCC25 10b up vs Scramble

		Scramble			
PLA2G2F	2.47	SCC25 10b down vs Scramble	TMSB4Y	2.36	SCC25 10b up vs Scramble
PLCXD3	2.12	SCC25 10b down vs Scramble	TNFRSF9	24.07	SCC25 10b up vs Scramble
PLD5	2.16	SCC25 10b down vs Scramble	TPD52L3	6.25	SCC25 10b up vs Scramble
PLUNC	2.19	SCC25 10b down vs Scramble	TRPC2	1.95	SCC25 10b up vs Scramble
POU5F2	4.74	SCC25 10b down vs Scramble	TTY6	2.13	SCC25 10b up vs Scramble
PROX2	2.40	SCC25 10b down vs Scramble	TUBA3D	2.24	SCC25 10b up vs Scramble
PRSS57	2.05	SCC25 10b down vs Scramble	TULP1	2.46	SCC25 10b up vs Scramble
PSORS1C2	2.09	SCC25 10b down vs Scramble	UBE2DNL	1.95	SCC25 10b up vs Scramble
RAB33B	7.61	SCC25 10b down vs Scramble	UGT8	21.52	SCC25 10b up vs Scramble
RGR	2.42	SCC25 10b down vs Scramble	UPP2	2.21	SCC25 10b up vs Scramble
RHOF	7.02	SCC25 10b down vs Scramble	WDR72	10.90	SCC25 10b up vs Scramble
RNASE8	2.80	SCC25 10b down vs Scramble	WFDC5	2.15	SCC25 10b up vs Scramble
RPE65	6.12	SCC25 10b down vs Scramble	X57723	2.33	SCC25 10b up vs Scramble

RPS6KL1	1.97	SCC25 10b down vs Scramble	ZBTB38	2.64	SCC25 10b up vs Scramble
RRN3P2	2.63	SCC25 10b down vs Scramble	ZDHHC22	2.01	SCC25 10b up vs Scramble
RTL1	3.03	SCC25 10b down vs Scramble	ZNF227	2.23	SCC25 10b up vs Scramble
SCARNA16	2.01	SCC25 10b down vs Scramble	ZNF804B	8.76	SCC25 10b up vs Scramble
SDK2	2.50	SCC25 10b down vs Scramble	ZP4	2.21	SCC25 10b up vs Scramble
SEZ6L	4.09	SCC25 10b down vs Scramble			
SIGLECP3	1.93	SCC25 10b down vs Scramble			
SLC17A2	2.01	SCC25 10b down vs Scramble			
SLC17A3	2.17	SCC25 10b down vs Scramble			
SLC22A9	3.04	SCC25 10b down vs Scramble			
SLC5A7	2.03	SCC25 10b down vs Scramble			
SLC5A9	2.61	SCC25 10b down vs Scramble			
SLC6A12	2.63	SCC25 10b down vs Scramble			
SLC9A3	11.77	SCC25 10b down vs			

		Scramble
SLFN12	7.40	SCC25 10b down vs Scramble
SNORA26	2.86	SCC25 10b down vs Scramble
SNX20	38.82	SCC25 10b down vs Scramble
SPATA19	2.77	SCC25 10b down vs Scramble
SPINK4	4.28	SCC25 10b down vs Scramble
SSPO	7.86	SCC25 10b down vs Scramble
SSTR2	2.72	SCC25 10b down vs Scramble
STK32A	1.97	SCC25 10b down vs Scramble
STON2	2.17	SCC25 10b down vs Scramble
SUN3	2.10	SCC25 10b down vs Scramble
SUSD5	2.48	SCC25 10b down vs Scramble
SYCP3	1.90	SCC25 10b down vs Scramble
TACR1	3.06	SCC25 10b down vs Scramble

TAGLN3	2.12	SCC25 10b down vs Scramble
TCF24	1.97	SCC25 10b down vs Scramble
TEX28	2.01	SCC25 10b down vs Scramble
TGIF2LY	4.69	SCC25 10b down vs Scramble
TM4SF4	6.43	SCC25 10b down vs Scramble
TMEM235	2.37	SCC25 10b down vs Scramble
TP63	2.57	SCC25 10b down vs Scramble
TRIM40	10.71	SCC25 10b down vs Scramble
TRPV6	4.40	SCC25 10b down vs Scramble
TRUB1	3.14	SCC25 10b down vs Scramble
TSSK2	3.45	SCC25 10b down vs Scramble
TTLL10	2.78	SCC25 10b down vs Scramble
TTLL13	2.11	SCC25 10b down vs Scramble
TTY4C	5.93	SCC25 10b down vs Scramble

		Scramble
VGLL2	2.53	SCC25 10b down vs Scramble
WISP1	3.09	SCC25 10b down vs Scramble
WNT2B	1.97	SCC25 10b down vs Scramble
XKRX	2.02	SCC25 10b down vs Scramble
XPNPEP3	2.05	SCC25 10b down vs Scramble
ZAR1L	2.40	SCC25 10b down vs Scramble
ZNF215	7.58	SCC25 10b down vs Scramble
ZNF833P	1.99	SCC25 10b down vs Scramble