

Supp Table 3

ACTIVATORS	
Gene	HCT 116 Fold of TOPflash
PRUNE2	2.84
HRAS	1.28
xCG8359-PA	0.96
CSNK1E	3.53
SLC12A8	1.71
SOX21	1.89
EMX2	3.31
RBM5	1.16
P42POP	1.60
GSC	2.90
SNAI2	0.95
IRX3	4.87
HMGB1	1.16
MNBH	0.81
xNRAS	0.84
HDGF	2.10
ZFAND6	0.86
HMGB3	1.12
FOXP1	4.23
CTSO	1.07
UBE2E3	0.92
WHSC1	1.16
DVL2	1.47
HMX2	2.41
NKX6-2	2.42
xZNF317	1.11
xZNF300	1.37
xZNF616	1.13
xSON	0.98
CSNK1D	3.18
TPX2	0.92
EMX1	4.22
MAP3K7IP2	1.00
FBL	0.60
xZNF33A	1.10
MIDN	1.06
TGIF1	1.59
RABEPK	1.24
MESPA	0.61
P2RY2	0.74
WDR5	0.93
Novel Zinc Finger	1.37
CCDC18	1.01
xKRAS2	0.87
NUCKS1	0.65

INHIBITORS		
Gene	HCT 116 Fold of TOPflash	SW480 Fold of TOPflash
HES-1	1.12	0.76
GPR107	0.49	0.65
FOXA2	0.52	0.37
HIST1H2AM	0.41	0.65
RHOA	0.74	0.67
HTPAP	0.64	0.72
SERINC3	0.54	0.77
CHCHD4	0.71	0.48
EBAG9	0.80	0.76
CASP10	1.02	0.46
ARL8A	0.95	0.64
CDC25A	1.15	0.91
AXIN2	0.52	0.47
xCHMP1	0.74	0.96
CDC42BPB	1.08	0.60
MRCKB	0.45	0.61
TSPAN3	0.76	0.66
PHB	0.80	0.50
RPN1	1.15	0.49
WDR82	0.77	0.59
MGA3	0.72	0.52
xTMEM150	1.31	0.45
TMEM165	1.20	0.72
STX5	1.20	0.85
xSLC27A6	0.92	0.72
PEX11B	0.40	1.03
SCAP	1.03	0.62
TMEM59	0.99	0.63
FUBP1	1.38	1.20
HGS	1.43	0.69
No hits	1.17	0.62
FAM57A	0.95	0.77
T - Brachyury protein	1.24	0.51
THOC4	1.49	1.38
TBPL1	0.24	0.45
Novel Protein	0.87	0.92
SCOTIN	0.91	0.66
CLCN5	0.99	0.77
Novel protein similar to X-epilectin	0.65	0.42
xCG6282-PA	0.82	0.70
HSPA13	1.22	0.49
POFUT1	1.17	0.53
Novel 7 transmembrane receptor	0.79	0.73
TMEM101	0.93	0.75
xUGT3A1	1.14	0.61
SOX7	1.11	0.87
DLX2	1.02	0.80
SRRP35	1.56	1.16
xFUCOLECTIN	1.25	0.75
HIST2H2AB	0.81	0.60
CHSY1	1.56	0.70
ATX	0.84	0.91
RUNX2	0.93	0.60
CFHR1	1.38	0.54
WIPF2	1.50	0.73
CANT1	1.61	0.38
SOX17	1.10	0.58
xPRS1	0.94	1.00
EFEMP2	0.72	0.56
TSKU	1.32	0.97
UPK1	0.67	0.58
ALCAM	1.43	0.50
PRPF3	1.16	0.67
RPS3	0.86	0.56
TFAP2B	0.87	0.70
RBM24	3.64	0.95
BAT3	1.49	0.72
NOL12	0.91	1.02
Arachidonate 5-lipoxygenase variant	1.14	0.72
CCDC18	0.69	0.65
xMGC84823	0.89	0.63
LH3	0.70	0.42
TSC1	0.87	0.57
IDH2	0.44	0.31
STX10	1.05	0.42
xTMEM46	0.39	0.75
xWS1	0.51	0.55
SERINC5	0.78	0.30
SFRS3	0.45	0.50
RXR-beta	0.27	0.34
CACNA2D2	0.57	0.56
DLX3	1.22	0.29
SLC35A3	0.15	0.68
POU5F1	0.76	0.37
DERL1	1.12	0.49
ZNT6	0.67	0.48
FOXI1	1.45	0.41
xMGC154907	1.03	0.33
YTHDF2	0.70	0.40
LAC1	0.77	0.44
ST3GAL2	0.79	0.37
CDC42EP2	1.43	0.62
MEX3C	1.22	0.44
OTX2	1.15	0.46
LYSMD2	1.54	0.72
ZNF395	0.72	0.34