

HDAC5 promotes HCC by inhibiting Tap63-maspin

Table S1. Expression profiles of proliferation and apoptosis-related genes in Hep3B-shHDAC5 cells versus Hep3B-shCtrl cells.

Gene	shHDAC5/shCtrl		shHDAC5/shCtrl	
	Result 1	Result 2	Result 1	Result 2
	Fold Change	Fold Change	Log2 (FC)	Log2 (FC)
	$2^{-\Delta\Delta Ct}$	$2^{-\Delta\Delta Ct}$		
APAF1	0.780967	0.997692	-0.356666507	-0.003333589
APEX1	0.718636	1.170129	-0.476666886	0.226667587
ATM	1.191958	1.41095	0.253333402	0.496666864
ADGRB1	1.936341	0.512871	0.953333041	-0.963332098
BAX	3.899619	0.269184	1.963333177	-1.893335435
BBC3	1.378723	4.189177	0.463332633	2.066666842
BCL2	4.573609	1.33484	2.193333034	0.416666824
BID	0.825496	1.122462	-0.27666687	0.166666605
BNIP3	1.044877	1.025741	0.063333122	0.036666496
BRCA1	0.837019	0.777367	-0.256667723	-0.36333223
BRCA2	0.797377	1.170129	-0.326666103	0.226667587
BTG2	1.39797	1.632029	0.483333401	0.706666693
CASP2	0.915945	1.122462	-0.126667124	0.166666605
CASP3	1.044877	0.868542	0.063333122	-0.20333248
CASP8	0.866537	1.194715	-0.206666743	0.256666503
CASP9	0.884745	1.162046	-0.176666391	0.216667179
CCNB1	0.775572	0.983957	-0.366667375	-0.023332825
CCND1	0.62256	0.503025	-0.683715209	-0.991297992
CCND3	1.242575	0.573024	0.313332933	-0.80333253
CCNG1	0.860551	1.162046	-0.2166674	0.216667179
CCNG2	5.709376	0.695763	2.513333076	-0.523332135
CD82	3.490256	1.470867	1.803332858	0.5566668
CDK1	0.548412	0.680549	-0.866667955	-0.555229054
CDC25A	0.928731	1.084227	-0.106667304	0.116666839
CDC25C	0.62996	0.614152	-0.666667869	-0.703332334
CDK2	0.694157	0.77041	-0.526666096	-0.376301665
CDK4	0.491862	0.650887	-1.023674494	-0.619520995
CDK6	1.044877	1.401204	0.063333122	0.486667012
CDKN1A	0.915945	0.605697	-0.126667124	-0.723331829
CDKN2A	1.233992	0.80478	0.303333041	-0.313333642
CHEK1	0.890899	0.850667	-0.16666621	-0.233333606
CHEK2	1.159364	1.138131	0.213333594	0.186666623
CRADD	1.016305	0.97041	0.02333343	-0.043333677
DAPK1	1.757266	0.80478	0.813332591	-0.313333642
DDB2	0.903335	0.874583	-0.146666987	-0.193332789
DDR1	2.537368	0.937355	1.343332772	-0.093332558
DNMT1	1.104454	1.874709	0.143333332	0.906666672
E2F1	0.948246	1.401204	-0.076666714	0.486667012
E2F3	1.167428	0.95044	0.223333576	-0.073332541
EGR1	1.551144	1.940821	0.633332625	0.956667066
EI24	0.749153	1.032876	-0.416667704	0.046667065
EP300	1.074252	1.316463	0.103332463	0.396666974
ESR1	0.749153	0.997692	-0.416667704	-0.003333589
FADD	0.837019	0.957051	-0.256667723	-0.063332289

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FAS	4.208578	0.345478	2.073332856	-1.533334252
FOXO3	1.225468	1.33484	0.293332812	0.416666824
GADD45A	1.295342	1.401204	0.373333053	0.486667012
HIF1A	0.659611	0.518064	-0.600312637	-0.94879776
HSPB1	1.030492	1.32562	0.043333305	0.406667274
IGFBP3	1.403935	0.294567	0.489476143	-1.763332279
JUN	1.54043	1.598443	0.623333125	0.676667299
PIDD1	1.639588	1.643381	0.713333336	0.716666992
MCL1	0.890899	1.30737	-0.16666621	0.386667497
MDM2	1.096825	1.271619	0.13333336	0.346666478
MDM4	1.159364	1.32562	0.213333594	0.406667274
MLH1	0.808507	0.676737	-0.30666783	-0.563332826
MSH2	0.935191	0.777367	-0.096667049	-0.363332223
MYC	1.259921	3.196885	0.333333276	1.676666848
NF1	1.052145	1.170129	0.073333541	0.226667587
CUL9	4.448543	0.502316	2.153332898	-0.993332866
PCNA	0.703847	0.844791	-0.50666624	-0.24333363
PERP	1.143402	1.4914	0.193332719	0.576667247
PMAIP1	3.792983	8.037055	1.923332906	3.006666955
PPM1D	0.848704	1.047294	-0.236666618	0.066666497
PRC1	0.713672	0.983957	-0.486666924	-0.023332825
PTEN	1.037659	1.178267	0.053332417	0.236666497
RB1	0.854607	0.97716	-0.226666961	-0.033333287
RCHY1	0.974905	1.054579	-0.036666453	0.076667173
RELA	1.35035	1.543994	0.433333391	0.626667146
RPRM	1.104454	2.037312	0.143333332	1.026666936
RRM2B	0.754364	0.97716	-0.406667266	-0.033333287
SHISA5	1.685683	2.340257	0.753333257	1.226666971
SERPINB5	4.868013	5.802469	2.283333021	2.53666691
SERPINE1	0.786399	1.203025	-0.346666608	0.266666623
SESN1	0.733736	0.886792	-0.446667024	-0.17333234
SESN3	0.634342	0.66281	-0.656667228	-0.593332726
SFN	1.059463	1.211393	0.083333205	0.27666698
SIRT1	2.255321	0.816015	1.173332787	-0.293332423
STAT1	0.848704	0.911723	-0.236666618	-0.133332524
STEAP3	1.277509	1.940821	0.353333455	0.956667066
THBS1	1.200248	1.271619	0.263332532	0.346666478
TNF	1.54043	3.672257	0.623333125	1.876667028
TNFRSF10A	0.780967	1.084227	-0.356666507	0.116666839
TP53	ND	ND	ND	ND
TP53BP2	0.689362	1.061914	-0.53666632	0.086666933
TP73	1.504454	1.684191	0.589239996	0.75205576
TP63	2.996613	2.473694	1.583332778	1.306667048
TSC2	0.831238	1.785919	-0.266666486	0.836666649
VCAN	0.928731	0.827406	-0.106667304	-0.273332675
WT1	4.208578	2.292095	2.073332856	1.196666684
XRCC4	1.183724	1.076738	0.243332738	0.106667245
XRCC5	0.909618	0.880666	-0.136667292	-0.183333126
GAPDH	1.341022	1.725084	0.423332905	0.786666613