

in_vitro_gene_name	in_vitro_fold_change	in_vivo_gene_name	in_vivo_fold_change
SPNS3	2.828473817	SPNS3	1.595785966
SFRP1	2.641968201	SFRP1	1.566564118
EMP2	-1.719489629	EMP2	-1.509073154
SPDEF	1.741276572	SPDEF	1.71382329
PHEX	-2.690290575	PHEX	-1.675266022
UBE2T	-2.084235144	UBE2T	-3.081899563
VASH2	5.282281445	VASH2	2.277472278
INHBA	1.937467495	INHBA	1.605178962
ASGR2	1.778307599	ASGR2	1.540298834
SNAI1	4.577711823	SNAI1	1.625704163
DSG2	-2.189292144	DSG2	-2.498692691
RBM45	1.504953934	RBM45	1.647140266
CDC7	-1.766185106	CDC7	-1.549683152
INHBB	3.542253243	INHBB	1.505260228
MINK1	-2.327261132	MINK1	-1.706095954
IP6K3	-1.743431565	IP6K3	-1.650972276
ITM2A	1.576200968	ITM2A	1.902775624
FBXL2	1.577277993	FBXL2	1.542615632
BMP6	7.750881885	BMP6	1.5535971
MMP19	1.654329085	MMP19	2.768344674
FANCA	-1.759048252	FANCA	-1.777464749
EGR1	2.172349339	EGR1	1.835836927
CNR1	-3.208050796	CNR1	-2.832246115
CFTR	2.741294052	CFTR	1.943807459
RORA	-2.651047586	RORA	-1.91978024
PDXK	-1.88175936	PDXK	-1.586464669
EMP2	-1.76795296	EMP2	-1.509073154
IL33	1.533443252	IL33	2.056951296
CHST7	-1.652593906	CHST7	-1.621532666
INADL	1.633094996	INADL	1.697532844
DISP2	1.735344281	DISP2	1.539361934
CD33	2.31085778	CD33	2.510273127
RBBP6	-1.567199759	RBBP6	-1.618363544
EPOR	-2.042097633	EPOR	-1.814146006
CIDEB	2.364927205	CIDEB	1.993597846
MMP9	1.601606997	MMP9	1.776021951
LUZP1	-1.708857491	LUZP1	-1.625792698
HEYL	1.750775653	HEYL	1.542430117
BUB3	-2.096881678	BUB3	-1.930611788
EGR2	2.8664589	EGR2	2.155968061
PTPRR	-1.526141026	PTPRR	-1.548217088
RFX2	1.532363407	RFX2	1.611711995
RAMP1	4.803958334	RAMP1	1.696335332
GPSM2	-2.107583664	GPSM2	-1.620099024
HYAL1	-2.645300693	HYAL1	-1.852124093
CD47	-1.86903585	CD47	-1.709914327

NMU	-1.556154463	NMU	-3.741180775
LY86	2.410623747	LY86	1.578903381
TAAR2	2.250468647	TAAR2	3.029908125
WVOX	1.515902616	WVOX	1.651610311
SDPR	-2.236146983	SDPR	-1.976560496
IL23A	1.645805718	IL23A	3.056889643
CD9	2.471142302	CD9	1.563238724
SFRP2	1.991526324	SFRP2	1.547903491
UBD	1.569667035	UBD	1.981105291
IFFO1	-1.584301113	IFFO1	-1.824962502
PRPS2	-2.242685322	PRPS2	-1.62655213
APOC1	1.937239209	APOC1	1.577311803
ST7	-1.511573739	ST7	-1.558205807
INHBE	-1.746618085	INHBE	-2.05524889
ECE1	-3.654707818	ECE1	-1.753024728
ACOT1	1.740328192	ACOT1	1.947000743
PLAC8	1.516405076	PLAC8	1.688799173
LEF1	-1.55937225	LEF1	-1.518287411
LEF1	-1.55937225	LEF1	-1.643032521
PRR16	1.817787429	PRR16	1.540563374
EDNRA	3.054745455	EDNRA	1.614583185
LEPR	1.553051462	LEPR	1.703007748
ABCA1	-1.705897334	ABCA1	-1.527939667
CHST3	-2.054916693	CHST3	-1.89510161
IDS	-1.608548451	IDS	-1.58220915
UHMK1	-1.622166697	UHMK1	-1.570331025
RUSC1	-1.506260727	RUSC1	-2.125341152
HEY2	3.579737937	HEY2	1.766096088
INO80	-1.684008879	INO80	-1.588478009
ECE1	-3.217157594	ECE1	-1.753024728
CENPA	-2.83357735	CENPA	-1.540452726
FABP5	-1.503572592	FABP5	-1.65823714
ENC1	1.562745417	ENC1	1.672684283
FOXO3	-1.662555229	FOXO3	-1.525764132
ISM1	-2.531903568	ISM1	-1.850479264
ISM1	-2.531903568	ISM1	-1.823904095
NOP14	-2.001340044	NOP14	-1.549064328
PAG1	-5.285178712	PAG1	-1.678885089
GLP2R	2.258956791	GLP2R	1.579959458
ATF3	1.6272012	ATF3	1.664573331
EMR1	1.766253909	EMR1	1.918319357
PAG1	-3.593197102	PAG1	-1.678885089
SPHK1	1.577467101	SPHK1	1.694885886
FXYD3	1.838458654	FXYD3	1.55952165
RAMP1	4.590008294	RAMP1	1.696335332
SMC4	-2.018768381	SMC4	-1.623316968
FAIM2	1.590058336	FAIM2	1.849599631

PRRX1	2.515653923	PRRX1	2.494737897
FOXS1	2.665330321	FOXS1	1.82282232
FANCA	-1.684688112	FANCA	-1.777464749
ASPM	-3.071403274	ASPM	-1.594738224
PAQR3	-1.502980769	PAQR3	-1.954959832
GFRA1	1.843256357	GFRA1	1.597827432
PDE7A	-1.768602581	PDE7A	-1.62746013
RAP2B	1.842823307	RAP2B	1.656595403
RARB	-1.526939219	RARB	-1.526466345
NPL	2.5099063	NPL	1.876375546
LCORL	-1.733432042	LCORL	-1.922746923
PPTC7	-2.142553902	PPTC7	-1.793604629
LYPD6	-1.909168002	LYPD6	-1.586227165
JPH1	-1.693094542	JPH1	-1.523205396
BBX	-1.548993652	BBX	-1.516103167
UNC5A	1.632993501	UNC5A	1.615541703
PDE4D	-6.935953502	PDE4D	-1.594853213
PDE4D	-3.198081713	PDE4D	-1.594853213
PRR11	-2.28666905	PRR11	-1.885977691
AQP4	4.730864952	AQP4	1.829027843
DGKG	-1.723573786	DGKG	-1.705068843
DGKG	-1.723573786	DGKG	-1.68476118
ABCA1	-1.636357723	ABCA1	-1.527939667
GFRA1	1.626958737	GFRA1	1.597827432
SMC4	-2.130157155	SMC4	-1.623316968

in_vitro_gene_name	in_vitro_fold_change	in_vivo_gene_name	in_vivo_fold_change
SFRP1	2.961272834	SFRP1	2.781915666
LCK	-1.627291305	LCK	-1.959418273
FAM5C	-1.585815001	FAM5C	-2.338984964
FOS	1.720205399	FOS	1.898177112
EMP2	-2.261914377	EMP2	-1.509073154
TRAM1	1.872955719	TRAM1	1.698058025
PHEX	-3.578543118	PHEX	-1.675266022
UBE2T	-2.766992025	UBE2T	-3.081899563
VASH2	2.096804478	VASH2	2.277472278
INHBA	3.231971983	INHBA	1.605178962
SNAI1	2.835330132	SNAI1	1.625704163
RDM1	-1.774728327	RDM1	-1.654044334
RBM45	1.571915415	RBM45	1.647140266
ESM1	-1.963365663	ESM1	-1.703473635
DDC	-1.533002075	DDC	-1.515535719
CDC7	-2.040502349	CDC7	-1.549683152
INHBB	3.735456243	INHBB	1.505260228
RNF6	1.542060243	RNF6	1.500393123
ABCG1	1.775732502	ABCG1	1.629416051
RTP4	1.917366146	RTP4	1.642442364
ITM2A	2.33287475	ITM2A	1.902775624
FBXL2	1.796765213	FBXL2	1.542615632
ARSI	1.642849596	ARSI	1.782612752
BMP6	4.4856817	BMP6	1.5535971
ACER3	2.460297736	ACER3	1.5025331
FANCA	-1.841494938	FANCA	-1.777464749
XYLB	1.750962657	XYLB	1.515514798
EGR1	3.762378924	EGR1	1.835836927
CNR1	-2.801238592	CNR1	-2.832246115
CFTR	2.476797972	CFTR	1.943807459
ACSL4	1.52043768	ACSL4	1.754765001
IFI44	2.262194016	IFI44	1.706939398
CDK4	1.510177528	CDK4	1.542091926
DAPP1	-1.522991213	DAPP1	-1.577937443
RORA	-1.939242288	RORA	-1.608809355
SOX9	1.564094326	SOX9	1.6520774
SOX9	1.564094326	SOX9	1.744629688
PDXK	-1.861496468	PDXK	-1.586464669
EMP2	-2.213603853	EMP2	-1.509073154
CD6	-1.50480996	CD6	-1.609571826
RAB8B	1.754733223	RAB8B	1.518082187
INADL	1.567548826	INADL	1.697532844
MYRIP	1.687730442	MYRIP	2.431446117
CD33	2.927705965	CD33	2.510273127
SYN1	-1.541078518	SYN1	-1.82721916
DNER	-1.625407182	DNER	-1.751533807

EPOR	-2.244643882	EPOR	-1.814146006
LSM11	1.539779478	LSM11	1.518576481
CIDEB	1.632715244	CIDEB	1.993597846
DHX58	1.900566904	DHX58	1.578577082
HAS3	3.18211982	HAS3	1.95499572
VAT1L	-1.64077515	VAT1L	-2.237854688
HEYL	2.457666076	HEYL	1.64052527
HEMGN	-1.66805993	HEMGN	-2.409888041
VLDLR	-1.617183987	VLDLR	-1.598041215
PLLP	-1.670168837	PLLP	-1.627058959
CYR61	1.991825628	CYR61	1.530513453
BUB3	-2.345410273	BUB3	-1.930611788
EGR2	5.425752209	EGR2	2.155968061
TUB	1.793555482	TUB	2.703974464
RFX2	1.548365061	RFX2	1.611711995
RAMP1	5.0631407	RAMP1	1.696335332
ASPM	-3.064675688	ASPM	-1.594738224
IFIT1	1.998294749	MOUSE16989	1.61697818
IFIT1	1.998294749	IFIT1	1.61697818
IL16	-1.558847628	IL16	-1.642342533
GPSM2	-2.408526059	GPSM2	-1.620099024
HYAL1	-4.467324306	HYAL1	-1.867785661
CD47	-1.695574775	CD47	-1.709914327
NMU	-2.027873567	NMU	-3.741180775
CD9	2.278634093	CD9	1.563238724
RYR1	-1.592635881	RYR1	-1.791105347
SFRP2	3.470528337	SFRP2	1.547903491
UBD	1.626335649	UBD	1.981105291
ISG15	2.229099287	ISG15	2.013779916
STAR	-1.608053414	STAR	-1.908258719
CYTIP	-1.514296778	CYTIP	-1.579403037
KCNK3	1.538416629	KCNK3	1.533234061
DBC1	1.812965463	DBC1	1.773325089
PRPS2	-1.811203689	PRPS2	-1.62655213
AP1S3	2.312395262	AP1S3	1.716599689
RSPO3	-1.528357004	RSPO3	-1.85780164
APOC1	2.461524822	APOC1	1.577311803
PGM5	-1.523767717	PGM5	-2.805685456
HBEGF	3.198667422	HBEGF	2.094351995
INHBE	-1.669129156	INHBE	-2.05524889
ECE1	-2.861600216	ECE1	-1.753024728
IL1R1	2.830519722	IL1R1	1.607955721
IL2RB	-1.523314339	IL2RB	-1.659131804
PRR16	1.624851577	PRR16	1.540563374
IL5	1.62077315	IL5	2.626369659
EDNRA	5.727431993	EDNRA	1.614583185
CEBPA	1.668578593	CEBPA	1.640333318

LEPR	2.949012041	LEPR	1.703007748
PDK4	2.509529292	PDK4	2.991829217
SPRY4	3.213575375	SPRY4	1.527564384
RSAD2	2.441798443	RSAD2	2.0325857
RSAD2	2.441798443	RSAD2	1.57299544
UCP3	-1.651732889	UCP3	-2.327470151
CBLN1	-1.595327867	CBLN1	-1.861209609
KCNB1	2.030776759	KCNB1	1.797075042
SNX16	2.204402461	SNX16	1.554061159
LYPD5	5.484029741	LYPD5	1.690279017
THAP2	3.043615343	THAP2	1.501630542
HEY2	2.537028413	HEY2	1.766096088
EVX1	-1.606649883	EVX1	-1.666871662
ECE1	-2.313670683	ECE1	-1.753024728
CENPA	-3.972416676	CENPA	-1.540452726
COTL1	1.70719778	COTL1	1.680756199
LYPD3	-1.817472493	LYPD3	-2.426041231
ENC1	4.603963002	ENC1	2.388064882
FBXL7	-1.658538639	FBXL7	-1.762334748
RHOJ	-1.523365524	RHOJ	-1.634872201
MYCN	-1.624524519	MYCN	-1.657662241
FOXO3	-1.533932431	FOXO3	-1.525764132
FANCM	-1.623967987	FANCM	-1.760297921
KIF5C	1.645588078	KIF5C	1.505388365
ZMAT4	-1.829269735	ZMAT4	-2.573265363
FABP5	-1.67214823	FABP5	-1.65823714
TDRD9	-1.686155178	TDRD9	-2.205510044
ACACA	-1.650715026	ACACA	-1.697305817
RRP15	1.667133719	RRP15	1.513895062
NOP14	-1.651020334	NOP14	-1.549064328
KANK4	-1.637605899	KANK4	-1.517512929
LYZL2	1.676274633	LYZL1	1.817070873
ING5	1.5980965	ING5	1.607819595
GLP2R	2.104613206	GLP2R	1.579959458
FANCI	-2.383228078	FANCI	-1.606601032
ATF3	1.563881693	ATF3	1.664573331
EMR1	1.732853246	EMR1	1.918319357
NEK6	1.785562163	NEK6	1.563902056
PAG1	-1.577805662	PAG1	-1.678885089
MED13	1.545505392	MED13	2.002612373
CD7	1.501010757	CD7	1.805431779
TCEA2	-1.734214039	TCEA2	-1.733031672
RAMP1	4.211675866	RAMP1	1.696335332
UNG	1.733706312	UNG	1.856699756
SMC4	-1.657393202	SMC4	-1.623316968
RSPO4	-1.675363174	RSPO4	-1.557864121
NTRK3	1.690917244	NTRK3	1.633727528

LUZP1	-1.560869347	LUZP1	-1.625792698
LRRC4	1.715137957	LRRC4	1.512808136
PRRX1	2.977679825	PRRX1	2.494737897
AP1S3	1.598814005	AP1S3	1.716599689
VLDLR	-1.907744917	VLDLR	-1.598041215
FANCA	-2.475410726	FANCA	-1.777464749
ASPM	-3.540446562	ASPM	-1.594738224
AAK1	-1.773786503	AAK1	-1.578763643
PAQR3	-1.538479896	PAQR3	-1.954959832
MYLK3	-1.890200816	MYLK3	-1.696496283
RAP2B	2.227980685	RAP2B	1.656595403
RARB	-1.752150534	RARB	-1.526466345
OPHN1	2.723433589	OPHN1	1.846160513
UQCC	-1.533670995	UQCC	-1.731414554
NPL	1.949662987	NPL	1.876375546
LCORL	-1.999592287	LCORL	-1.922746923
ANKK1	1.550209563	ANKK1	1.528488501
P2RY1	-1.828226589	P2RY1	-1.532606505
PPTC7	-2.523773956	PPTC7	-1.793604629
PADI1	-2.278521604	PADI1	-1.533696841
LYPD6	-1.899324714	LYPD6	-1.586227165
IL16	-1.87291722	IL16	-1.642342533
BLNK	-1.630204045	BLNK	-1.725509119
CD3D	-2.418311867	CD3D	-1.604814092
THSD4	2.938607045	THSD4	1.607377364
FANCA	-2.095930562	FANCA	-1.777464749
PDE4D	-5.349800455	PDE4D	-1.594853213
PDE4D	-5.426610019	PDE4D	-1.594853213
PKP1	-1.844816862	PKP1	-3.302924443
SYNPO	-1.795148392	SYNPO	-1.756779687
NXNL2	1.693864415	NXNL2	1.868100357
PRR11	-3.839826381	PRR11	-1.885977691
NPL	2.327471596	NPL	1.876375546
CPLX2	-1.600335396	CPLX2	-1.793442471
EIF3C	-1.502253567	EIF3C	-2.042301827
ABCA1	-2.304853085	ABCA1	-1.527939667
SMC4	-1.965844208	SMC4	-1.623316968
CAP2	2.688806425	CAP2	2.368923044

in_vitro_gene_name	in_vitro_fold_change	in_vivo_gene_name	in_vivo_fold_change
MARCO	2.280466783	MARCO	1.868722943
MSH2	-2.249796401	MSH2	-1.507881606
SMOX	1.696174694	SMOX	1.628057863
IL18	-1.670402551	IL18	-1.640539494
CHPT1	-2.80685249	CHPT1	-1.658123635
FUS	-1.798369728	FUS	-1.866560037
CD79A	1.669342993	CD79A	1.777089029
RBM39	-1.656485112	RBM39	-1.629745828
FOXF2	-1.536544184	FOXF2	-1.636724309
PHEX	-2.166024464	PHEX	-1.675266022
UBE2T	-2.14107494	UBE2T	-3.081899563
VASH2	1.584596281	VASH2	2.277472278
CCAR1	-1.581028538	CCAR1	-1.642706235
PTX3	-2.532173104	PTX3	-1.653699802
INHBA	1.623042071	INHBA	1.605178962
PALB2	-1.969038676	PALB2	-1.682915373
TCEA1	-1.548136241	TCEA1	-1.603393991
TRAK1	-1.555656609	TRAK1	-1.599353711
TRH	1.593260301	TRH	1.542862299
CAV1	-2.386803905	CAV1	-1.864272915
CLIC4	-3.224565312	CLIC4	-1.507639144
CKAP5	-1.772628699	CKAP5	-2.628157139
CKAP5	-1.772628699	CKAP5	-1.861280873
ADCY5	-1.520919657	ADCY5	-1.777325962
TBX3	-1.782217473	TBX3	-1.51652441
ZMIZ1	-1.517791534	ZMIZ1	-1.672022993
SMC3	-2.465290929	SMC3	-1.904091694
NRIP2	-2.025723753	NRIP2	-1.685940617
ADAT1	-6.006443895	ADAT1	-1.520807919
RDM1	-1.73547344	RDM1	-1.654044334
DSG2	-2.009370815	DSG2	-2.498692691
FOXA3	1.534344559	FOXA3	4.859924643
ZEB2	-2.206008015	ZEB2	-1.851688276
RND3	-1.756898492	RND3	-1.560760051
RBM45	1.565624218	RBM45	1.647140266
WWP1	-1.663871732	WWP1	-1.878250655
PLAC1	-1.893585663	PLAC1	-2.417445918
CDC7	-1.889891825	CDC7	-1.549683152
LIMA1	-1.961824408	LIMA1	-1.688978239
UBR1	-2.726516735	UBR1	-1.697106095
INHBB	2.053189745	INHBB	1.505260228
GRB14	-2.066097334	GRB14	-3.936827786
WDR60	-2.966319053	WDR60	-1.921056445
BCOR	-1.75251816	BCOR	-1.570821577
BEX1	-1.772313639	BEX1	-1.830838376
BEX1	-1.772313639	BEX2	-1.830838376

KLK1	2.312395673 K1KB3	1.877494312
KLK1	2.312395673 KLK1	1.877494312
NID2	-1.790604755 NID2	-1.518311584
MINK1	-3.628315274 MINK1	-1.706095954
PAQR3	-2.50794942 PAQR3	-1.954959832
CD38	1.771672037 CD38	1.550358103
CD38	1.771672037 CD38	1.524166072
PITX2	-2.890262161 PITX2	-1.794014119
WASF1	-1.619243534 WASF1	-1.540765332
SNAI2	-2.831356906 SNAI2	-1.746003173
DPP6	1.715735476 DPP6	1.507279754
BCAS1	1.934740031 BCAS1	1.568026813
FAT4	-6.124341504 FAT4	-1.752659341
KIF1B	-1.891098435 KIF1B	-1.525108761
OVOL1	1.50985019 OVOL1	3.397696867
FANCA	-2.110859931 FANCA	-1.777464749
GLI2	-2.487428918 GLI2	-1.670139633
BRWD1	-1.886500044 BRWD1	-1.770617978
DSCAM	1.852557522 DSCAM	2.216113982
IL4	1.51000297 IL4	2.589760231
CEP70	-2.371529388 CEP70	-1.550201792
BAZ1B	-1.68683951 BAZ1B	-1.549576074
CCL24	2.537817857 CCL24	25.10020385
CCL24	2.537817857 CCL24	15.54063523
NCALD	1.566384896 NCALD	1.793626086
NEK6	2.290370679 NEK6	1.539551223
RGS16	1.599675386 RGS16	2.289020948
PRG2	1.733567453 PRG2	1.762927202
TAOK3	-2.162861972 TAOK3	-1.639470412
IFI44	1.766425788 IFI44	1.706939398
RXRG	1.659944593 RXRG	1.847043094
SIAE	-1.562608914 SIAE	-1.770088493
SIAE	-1.562608914 SIAE	-1.686510198
ISOC1	-1.673345606 ISOC1	-1.91711263
NPY5R	-1.556285147 NPY5R	-4.189817211
CPEB4	-2.277492602 CPEB4	-1.60080142
EP400	-3.046620196 EP400	-1.677150219
PNOC	1.68613461 PNOC	1.517274286
CUX2	1.709073446 CUX2	1.64219283
DEK	-3.766237525 DEK	-1.62069005
HHATL	1.815964247 HHATL	2.045784226
NCK1	-2.711336631 NCK1	-1.625223629
AMBP	1.741582126 AMBP	4.137514969
SPSB4	1.970104636 SPSB4	1.778013913
SLTM	-2.493519432 SLTM	-1.970280554
SLTM	-2.493519432 SLTM	-1.53118796
RORA	-2.289872465 RORA	-1.769917261

SMAD4	-1.820080917 SMAD4	-1.756892859
PDXK	-2.324620987 PDXK	-1.586464669
CEP72	-1.797995499 CEP72	-1.821977726
ECM2	-7.328596123 ECM2	-1.860073521
GATA6	-1.524505135 GATA6	-1.715035329
EMP2	-2.142379626 EMP2	-1.509073154
ABHD3	-3.641400563 ABHD3	-1.522413495
PPTC7	-2.385069129 PPTC7	-1.793604629
AGK	-1.927986607 AGK	-1.628522005
AMPH	-5.171801682 AMPH	-1.832445041
CD109	-1.642595385 CD109	-1.989996807
SYN1	2.049015118 SYN1	1.912592307
RBBP6	-3.17996773 RBBP6	-1.618363544
UHMK1	-1.500558994 UHMK1	-1.570331025
FOSL2	1.851173292 FOSL2	1.707019348
MYOF	-2.211112647 MYOF	-2.199955349
LRCH3	-1.618699851 LRCH3	-1.778476234
STAG1	-3.79261082 STAG1	-1.510385574
RAG1	-1.920744879 RAG1	-5.046400882
SESN3	-1.815993451 SESN3	-1.5119784
EPOR	-1.740364402 EPOR	-1.814146006
MCM4	-2.399927299 MCM4	-1.623684267
HDX	-3.404324872 HDX	-1.74628121
STK38	-2.830657127 STK38	-1.884144937
SRBD1	-2.664592115 SRBD1	-1.803060188
XPO1	-1.956764163 XPO1	-1.681182676
TEX2	-1.694646948 TEX2	-1.669852673
BCOR	-2.153200414 BCOR	-1.570821577
LUZP1	-3.571693943 LUZP1	-1.625792698
TAL2	1.936612797 TAL2	1.976619062
SYT12	4.773950419 SYT12	2.029773096
AOC3	-2.01771678 AOC3	-2.29825996
PRR15	1.505964108 PRR15	2.271267227
TXLNB	-1.948033502 TXLNB	-1.997330605
NETO1	1.787464913 NETO1	1.972573965
HIAT1	-1.69829943 HIAT1	-1.649681739
BUB3	-2.293113622 BUB3	-1.930611788
WDR37	-1.909986236 WDR37	-1.598842169
PTPRR	-2.390383623 PTPRR	-1.548217088
EFS	1.747725003 EFS	1.71133874
TMOD2	-1.746110438 TMOD2	-1.536201147
IRF5	1.547605572 IRF5	1.636394336
ASB4	2.031047458 ASB4	2.078480745
RAMP1	6.815613526 RAMP1	1.696335332
ASPM	-3.164522801 ASPM	-1.594738224
IFIT1	1.557463555 IFIT1	1.61697818
IFIT1	1.557463555 MOUSE16989	1.61697818

STIM1	-1.764764345 STIM1	-1.87742021
STIM1	-1.764764345 STIM1	-1.704691505
PTPRB	-1.767424858 PTPRB	-2.17008028
RIF1	-1.769797577 RIF1	-1.75290082
KRCC1	-1.753170333 KRCC1	-1.616496252
TPBG	-1.710705362 TPBG	-1.8725925
PDE3A	1.88992909 PDE3A	1.846159541
MTM1	-4.089343153 MTM1	-1.525566083
GPSM2	-2.094361616 GPSM2	-1.654926408
RAB2B	-2.490425529 RAB2B	-1.513553394
KCNN4	1.897463969 KCNN4	2.56794361
HYAL1	-1.569168298 HYAL1	-1.867785661
CD47	-2.383703796 CD47	-1.709914327
NMU	-1.811608168 NMU	-3.741180775
ENPP4	-2.042989853 ENPP4	-1.619670829
HYOU1	-1.512921387 HYOU1	-1.70131998
PIGB	-2.989913268 PIGB	-1.687022192
CAB39	-2.123203068 CAB39	-1.744506069
PSME4	-2.402162724 PSME4	-1.509769452
SFRP2	-1.938956805 SFRP2	-1.758299907
MAT2B	-2.044053707 MAT2B	-1.846081079
ISG15	2.016692311 ISG15	2.013779916
SRPR	-1.65882245 SRPR	-1.728788935
SRPR	-1.65882245 SRPR	-2.21396761
GAN	-2.584270187 GAN	-2.285062119
FN3K	2.782662874 FN3K	1.836082749
KCNK3	1.726804213 KCNK3	1.688557648
APH1A	-2.515908248 APH1A	-1.600355045
ACCN3	1.642691767 ACCN3	2.08572331
PRPS2	-2.606065739 PRPS2	-1.62655213
LIN7A	-1.66977034 LIN7A	-1.728582454
LRRK1	-1.550664262 LRRK1	-1.53651322
SYNM	-1.8272977 SYNM	-1.710636745
PKD2	-3.802920169 PKD2	-1.539132535
SYT15	-1.756894596 SYT15	-1.777813327
APOC1	4.227142022 APOC1	1.577311803
FOXK1	-1.82946317 FOXK1	-1.543562811
CAV1	-1.9543435 CAV1	-1.864272915
SV2A	-2.088845905 SV2A	-1.786587312
KIF1B	-2.571423466 KIF1B	-1.777258815
SLK	-4.04820135 SLK	-1.955039696
HYDIN	2.205371457 HYDIN	1.850029147
ECE1	-1.774731596 ECE1	-1.753024728
IL5	1.550580892 IL5	2.626369659
DAG1	-2.032800854 DAG1	-1.715570305
DAG1	-2.032800854 DAG1	-1.630813153
PER3	-1.958758067 PER3	-1.535824825

ABCA1	-2.420406852 ABCA1	-1.527939667
TSN	-1.591638364 TSN	-1.699671199
SENP7	-1.953542242 SENP7	-2.139322874
CHST3	-2.429538794 CHST3	-1.89510161
NOVA1	-2.492572658 NOVA1	-1.563025844
TLK1	-2.211720638 TLK1	-2.162642761
UHMK1	-2.093821213 UHMK1	-1.570331025
PER3	-3.315519802 PER3	-1.535824825
TMCC3	-1.727776854 TMCC3	-1.809979818
TFF1	1.500316835 TFF1	2.587548306
XPO4	-2.133891735 XPO4	-1.758268818
XPR1	-2.276022306 XPR1	-1.649756726
DCTD	-2.387658717 DCTD	-1.661403504
ING5	1.5458581 ING5	1.717651367
VAMP3	-1.818432516 VAMP3	-1.562323116
PANK3	-2.211952754 PANK3	-2.323370356
FKBP5	-4.199408104 FKBP5	-1.531820562
RRN3	-2.703658875 RRN3	-1.719421272
INO80	-2.029725395 INO80	-1.577295702
CENPA	-7.134303468 CENPA	-1.540452726
KLF3	-1.796949193 KLF3	-1.635853174
PEX12	-1.766073417 PEX12	-1.687091629
SCOC	-3.061940485 SCOC	-1.538959521
ELL3	-1.898814525 ELL3	-1.573430916
LYPD3	-3.021396048 LYPD3	-2.426041231
EVC	-2.862992332 EVC	-1.510498576
CPNE3	-4.99569865 CPNE3	-1.638468841
KIF1B	-1.633080611 KIF1B	-1.525108761
MEX3B	-2.605897023 MEX3B	-1.535431504
UQCC	-1.574243918 UQCC	-1.731414554
XPR1	-2.188205826 XPR1	-1.649756726
CD59	-1.522070306 MOUSE18474	-1.508844602
CD59	-1.522070306 CD59A	-1.508844602
YPEL2	-1.958714805 YPEL2	-1.815144676
MXRA7	-3.370437252 MXRA7	-1.90359572
MMP14	1.706687671 MMP14	1.51929836
MKLN1	-1.511978607 MKLN1	-1.548464807
AP4E1	-1.794229128 AP4E1	-1.81515301
RFT1	-1.733630849 RFT1	-1.953628701
PLCB1	-1.656325365 PLCB1	-1.788635646
NR1D2	-2.673188255 NR1D2	-1.894647562
ARL5B	-2.146122136 ARL5B	-1.676296782
RRP1B	-2.565001256 RRP1B	-1.667635641
FOXO3	-1.607481556 FOXO3	-1.525764132
WDFY3	-2.409988846 WDFY3	-1.555345151
FANCM	-2.364569841 FANCM	-1.760297921
ECEL1	3.998591453 ECEL1	1.770665924

SATB2	-2.016131592 SATB2	-1.532901626
TOB2	-1.542472572 TOB2	-2.85670672
ST7	-1.56730485 ST7	-1.558205807
FMNL2	-2.436153015 FMNL2	-1.547745004
NCAM2	-2.059497514 NCAM2	-1.530954539
QSOX2	-1.77891711 QSOX2	-1.546557269
TDRD9	-1.801520632 TDRD9	-2.205510044
ACACA	-1.747195085 ACACA	-1.697305817
RABL3	-1.674240646 RABL3	-2.045760276
NOP14	-1.984112219 NOP14	-1.549064328
SHC4	1.78984533 SHC4	1.644632845
RPRML	1.74380016 RPRML	1.619216209
KDSR	-1.72169485 KDSR	-1.588935161
LCORL	-1.826192154 LCORL	-1.922746923
FHAD1	1.611743043 FHAD1	2.012175331
TIMP4	2.334367668 TIMP4	1.555609689
PNPT1	-1.653566748 PNPT1	-1.58182235
PANK3	-1.762145094 PANK3	-2.323370356
ATF3	1.506978877 ATF3	1.664573331
EMR1	2.282016817 EMR1	1.918319357
LPP	-1.663452549 LPP	-1.635975545
SPHK1	2.993054693 SPHK1	1.694885886
CD7	1.789890891 CD7	1.805431779
FXYD3	1.616295316 FXYD3	1.55952165
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FXYD3	2.479617303 FXYD3	1.55952165
KIF1B	-1.664788943 KIF1B	-1.525108761
TDRD1	1.59038203 TDRD1	1.681515585
MT1G	2.247855948 MT2	1.948084489
RAMP1	6.694119948 RAMP1	1.696335332
LXN	-2.601743388 LXN	-1.515321905
TIMD4	1.765935569 TIMD4	3.443661065
MT1X	1.699313219 MT2	1.948084489
IDS	-1.510340334 IDS	-1.58220915
PANK3	-1.917839846 PANK3	-2.323370356
VASH2	1.904853317 VASH2	2.277472278
MAT2B	-1.986476222 MAT2B	-1.846081079
SMC4	-2.019066235 SMC4	-1.623316968
FAIM2	2.856229998 FAIM2	1.849599631
CBL	-3.091551258 CBL	-2.050671262
LUZP1	-1.615958545 LUZP1	-1.625792698
MMP25	1.669960896 MMP25	1.949635433
LRRC4	2.039159292 LRRC4	1.512808136
RIN1	2.172194851 RIN1	1.809450005
LYZL1	3.423284669 LYZL1	1.817070873
SYN3	1.592226535 SYN3	1.62714774
MSH2	-1.946014671 MSH2	-1.507881606

ASPM	-5.858728138 ASPM	-1.594738224
AAK1	-1.736748239 AAK1	-1.578763643
PAQR3	-1.651835404 PAQR3	-1.954959832
GFRA1	1.78609794 GFRA1	1.597827432
AFF2	-4.499444049 AFF2	-1.741100136
AFF2	-4.499444049 AFF2	-1.680411184
RAB2B	-1.899388098 RAB2B	-1.513553394
FGF22	-1.712233081 FGF22	-1.622233332
PDE7A	-2.266720688 PDE7A	-1.62746013
LYPD3	-1.920430084 LYPD3	-2.426041231
LMNB1	1.693183155 LMNB1	1.863918008
PGAP1	-1.749392721 PGAP1	-1.65972342
CCL3	1.960692052 CCL3	2.415240623
CALY	1.986117921 CALY	1.545170007
NTRK3	-1.940087087 NTRK3	-1.947398701
CRYAA	1.531474565 CRYAA	2.773436749
SMG5	2.097688944 SMG5	1.67710321
LHX8	1.557697944 LHX8	1.963127951
SP4	-2.149328537 SP4	-2.999298625
IDS	-1.672373265 IDS	-1.58220915
KIF22	1.769868994 KIF22	2.257191412
ETV6	2.615181096 ETV6	1.56284826
LYPD6	-2.163756663 LYPD6	-1.586227165
FRMD3	-1.814244541 FRMD3	-3.660192791
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JPH1	-2.237920748 JPH1	-1.523205396
CHST6	1.836389871 CHST5	2.515841772
BBX	-1.525006936 BBX	-2.024688265
SGTB	-1.679140072 SGTB	-1.725657828
DDX52	-1.977837904 DDX52	-1.573722362
TDRD1	2.846571249 TDRD1	1.681515585
WAC	-1.55359595 WAC	-1.610801329
UNC5A	1.911258025 UNC5A	1.615541703
SENP6	-1.586538751 SENP6	-1.701610351
PDE4D	-1.819926098 PDE4D	-1.572534938
FSD2	-2.304021906 FSD2	-1.732362317
PTAFR	3.378828968 PTAFR	1.733694329
SYNPO	-1.803076842 SYNPO	-1.708090658
GLP2R	1.579723442 GLP2R	1.579959458
PRR11	-2.110958486 PRR11	-2.191220873
MPP4	-1.738313361 MPP4	-1.544849693
RBM39	-1.671295655 RBM39	-1.629745828
FRMD3	-1.969400867 FRMD3	-3.660192791
GULP1	-2.870092205 GULP1	-1.558498364
NR1D2	-1.507145838 NR1D2	-1.894647562
DDX58	-1.504964517 DDX58	-1.79609363
AQP4	2.548542898 AQP4	1.829027843

ABCA1
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DERL3

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MARCO	2.496556478	MARCO	1.868722943
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CDCP1	1.658631646	CDCP1	1.956647136
PHEX	-2.12590404	PHEX	-1.675266022
VASH2	1.617809433	VASH2	2.277472278
CCAR1	-1.607835334	CCAR1	-1.642706235
INHBA	1.558873899	INHBA	1.605178962
CAV1	-1.800660308	CAV1	-1.864272915
CLIC4	-1.85655062	CLIC4	-1.507639144
SMC3	-1.547565535	SMC3	-1.904091694
NRIP2	-1.624792151	NRIP2	-1.685940617
ADAT1	-1.569132077	ADAT1	-1.520807919
CDC7	-1.509330208	CDC7	-1.549683152
INHBB	5.455927368	INHBB	1.590493518
GRB14	-1.654451421	GRB14	-3.936827786
WDR60	-1.849694127	WDR60	-1.921056445
BEX1	-1.530344835	BEX2	-1.830838376
BEX1	-1.530344835	BEX1	-1.830838376
KLK1	2.202196184	K1KB3	1.877494312
KLK1	2.202196184	KLK1	1.877494312
NID2	-1.555335505	NID2	-1.518311584
MINK1	-1.794154602	MINK1	-1.706095954
PAQR3	-1.544567831	PAQR3	-1.954959832
PITX2	-1.594654892	PITX2	-1.793051305
IP6K3	-2.221153569	IP6K3	-1.650972276
WASF1	-1.675458945	WASF1	-1.540765332
SNAI2	-1.746826164	SNAI2	-1.746003173
ITM2A	2.187063498	ITM2A	1.902775624
FBXL2	1.514941613	FBXL2	1.542615632
FAT4	-2.591641209	FAT4	-1.628145218
BRWD1	-1.687038853	BRWD1	-1.770617978
CNR1	-3.75767127	CNR1	-2.832246115
CEP70	-1.793753637	CEP70	-1.550201792
NEK6	1.728946455	NEK6	1.657397154
RGS16	2.039279812	RGS16	2.289020948
IFI44	1.500919188	IFI44	1.706939398
RRP12	1.558793615	RRP12	1.608948426
CPEB4	-2.188879673	CPEB4	-1.60080142
DEK	-2.35267961	DEK	-1.62069005
NCK1	-1.840155597	NCK1	-1.625223629
PCSK5	1.652021392	PCSK5	1.531429452
GDF5	-1.659500005	GDF5	-1.627505102
PDXK	-2.635834278	PDXK	-1.586464669
ECM2	-1.865643017	ECM2	-1.860073521
EMP2	-1.707740066	EMP2	-1.509073154
DISP2	1.827436182	DISP2	1.539361934

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SYN1	2.039032466	SYN1	1.912592307
RBBP6	-2.011013651	RBBP6	-1.618363544
FOSL2	3.037913467	FOSL2	1.707019348
STAG1	-1.574647132	STAG1	-1.510385574
SESN3	-2.696571078	SESN3	-1.5119784
DNER	-1.743510164	DNER	-1.866805864
EPOR	-1.826617559	EPOR	-1.814146006
STK38	-1.556424737	STK38	-1.884144937
MMP9	2.709162125	MMP9	1.810689704
LUZP1	-1.77092396	LUZP1	-1.625792698
TAL2	1.644044064	TAL2	1.976619062
EREG	-1.593283622	EREG	-2.802929384
EREG	-1.593283622	EREG	-1.514094799
SYT12	1.661637028	SYT12	2.029355298
AOC3	-2.065584979	AOC3	-2.29825996
PAX9	-1.589772381	PAX9	-2.313383108
VLDLR	-1.546035315	VLDLR	-1.610341211
EGR2	1.618579173	EGR2	2.155968061
WDR37	-1.925776205	WDR37	-1.598842169
PTPRR	-1.690289334	PTPRR	-1.548217088
RAMP1	5.87492042	RAMP1	1.696335332
ASPM	-2.659389021	ASPM	-1.594738224
PTPRB	-1.635314114	PTPRB	-2.17008028
KRCC1	-1.708711857	KRCC1	-1.616496252
MTM1	-4.184308809	MTM1	-1.525566083
GPSM2	-1.712853497	GPSM2	-1.620099024
KCNN4	1.502994846	KCNN4	2.56794361
HYAL1	-1.921818415	HYAL1	-1.867785661
CD47	-1.852101418	CD47	-1.709914327
NMU	-2.364523372	NMU	-3.741180775
CD83	1.773771946	CD83	1.810775237
PIGB	-2.090217699	PIGB	-1.553816796
MAT2B	-1.787949741	MAT2B	-1.846081079
ISG15	1.842355947	ISG15	2.013779916
APH1A	-1.548315749	APH1A	-1.600355045
PRPS2	-1.622053538	PRPS2	-1.62655213
LIN7A	-2.066572451	LIN7A	-1.728582454
SYNM	-1.514651567	SYNM	-2.1757693
APOC1	2.318002643	APOC1	1.577311803
SV2A	-1.650106404	SV2A	-1.575743206
SLK	-2.15234182	SLK	-1.955039696
HYDIN	1.663071217	HYDIN	1.850029147
ABCA1	-1.870277994	ABCA1	-1.527939667
PDK4	1.839125323	PDK4	2.991829217
PPT1	-1.517444551	PPT1	-1.574709455
RSAD2	2.085462697	RSAD2	2.161059696

PER3	-1.904732512 PER3	-1.535824825
TMCC3	-1.974628627 TMCC3	-1.809979818
KCNB1	2.52904386 KCNB1	1.520144417
LYPD5	1.754532038 LYPD5	1.690279017
DCTD	-1.671520826 DCTD	-1.661403504
PDE7A	-1.554557008 PDE7A	-1.62746013
PANK3	-1.798371043 PANK3	-2.323370356
INO80	-1.797599065 INO80	-1.577295702
CENPA	-3.551826278 CENPA	-1.540452726
KLF3	-1.596884034 KLF3	-1.635853174
COTL1	1.648499597 COTL1	1.510740209
SCOC	-2.404563441 SCOC	-1.538959521
ELL3	-2.649260736 ELL3	-1.573430916
LYPD3	-2.594208253 LYPD3	-2.426041231
EVC	-2.400396255 EVC	-1.510498576
CPNE3	-2.501732421 CPNE3	-1.638468841
YPEL2	-1.762822293 YPEL2	-1.815144676
MXRA7	-1.745105251 MXRA7	-1.90359572
MMP14	1.839957841 MMP14	1.708870227
BRWD1	-1.61616897 BRWD1	-1.770617978
PLCB1	-1.803315287 PLCB1	-1.663050552
ARL5B	-2.744676389 ARL5B	-1.676296782
WDFY3	-1.8413833 WDFY3	-1.555345151
ECEL1	2.536464213 ECEL1	1.770665924
RCOR3	-1.50057656 RCOR3	-2.252534115
SATB2	-1.970896483 SATB2	-1.532901626
ST7	-1.784151577 ST7	-1.558205807
TDRD9	-2.527398292 TDRD9	-2.205510044
LCORL	-1.821864379 LCORL	-1.922746923
PAG1	-1.635844605 PAG1	-1.678885089
GLP2R	2.175806945 GLP2R	1.579959458
EMR1	1.803451396 EMR1	1.987732426
SPHK1	1.715254376 SPHK1	2.248272939
FXYD3	1.803246018 FXYD3	1.55952165
FXYD3	1.681532782 FXYD3	1.55952165
LXN	-2.105760292 LXN	-1.515321905
CAPZB	-1.703006887 CAPZB	-1.584507083
PANK3	-1.64467014 PANK3	-2.323370356
MAT2B	-1.961676632 MAT2B	-1.846081079
SMC4	-1.882790262 SMC4	-1.623316968
LUZP1	-1.60184034 LUZP1	-1.625792698
RIN1	1.51979216 RIN1	1.809450005
LYZL1	2.221571144 LYZL1	1.817070873
DDX21	-1.904153305 DDX21	-1.710160356
ASPM	-4.732335768 ASPM	-1.594738224
AAK1	-1.683703472 AAK1	-1.578763643
GFRA1	2.480759429 GFRA1	1.597827432

LYPD3	-1.67151295	LYPD3	-2.426041231
FMNL2	1.539537759	FMNL2	1.915254272
CCL3	1.900570567	CCL3	2.415240623
SMG5	1.904512765	SMG5	1.67710321
LCORL	-1.603259577	LCORL	-1.922746923
IDS	-1.802860112	IDS	-1.58220915
ETV6	1.752901838	ETV6	1.56284826
FRMD3	-1.550720128	FRMD3	-3.660192791
TDRD1	1.804819741	TDRD1	1.681515585
UNC5A	1.554837037	UNC5A	1.615541703
MORN3	1.775491616	MORN3	1.663381425
SENP6	-1.713181044	SENP6	-1.797536015
PDE4D	-2.181257516	PDE4D	-1.594853213
PTAFR	1.879667069	PTAFR	1.733694329
GLP2R	1.928529459	GLP2R	1.579959458
PRR11	-1.910826462	PRR11	-1.885977691
MPP4	-1.654096519	MPP4	-1.544849693
EIF3D	-1.563085098	EIF3D	-2.295751394
ABCA1	-1.597157996	ABCA1	-1.527939667
GFRA1	1.778199259	GFRA1	1.597827432
SMC4	-2.597284317	SMC4	-1.623316968

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XBP1	1.519823655	XBP1	1.544682523
LXN	-2.421658086	LXN	-1.515321905
GCH1	2.076940054	GCH1	1.628844437

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GRP	2.023325565	GRP
LOXL2	-1.557508356	LOXL2
CDCP1	1.67534724	CDCP1
CEP55	2.587023412	CEP55
ASF1B	1.91127845	ASF1B
XBP1	1.562169913	XBP1
CXXC4	1.518931415	CXXC4
DBP	-1.791420575	DBP
CRYAA	2.026582881	CRYAA
PROZ	2.189369676	PROZ
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PROZ	2.189369676	PROZ
S100B	1.835452466	S100B
IRX3	2.395973345	IRX3
FOSL1	2.349840068	FOSL1
BUB1B	2.3594243	BUB1B
ERMP1	-2.011657242	ERMP1
MAFB	2.145296306	MAFB
LRP8	1.790262427	LRP8
LRP8	1.790262427	LRP8
PEX1	-1.598194619	PEX1
OVOL1	1.620691181	OVOL1
IPO5	1.565457301	IPO5
PRC1	1.902182098	PRC1
SYCP2	1.690311707	SYCP2
PERP	-1.508232821	PERP
PRG2	1.656138852	PRG2
RRP15	1.880421097	RRP15
CD180	-5.338628713	CD180
LMNB1	1.972632521	LMNB1
WDHD1	1.798101166	WDHD1
AREG	2.20168269	AREG
RFTN1	-1.652108209	RFTN1
NUAK1	-1.945661839	NUAK1
BEND7	-1.809569878	BEND7
TFPI2	1.710394733	TFPI2
EDIL3	-8.188644885	EDIL3
GGCT	1.517609544	GGCT
VLDLR	-2.089976713	VLDLR
CDKN3	2.341327725	CDKN3
SPC25	7.03759787	SPC25
KIF22	1.596598934	KIF22
CCNA2	2.5686765	CCNA2
IL6	2.637704796	IL6
EIF3A	-2.131690415	EIF3A
SAA4	1.663802548	SAA4

RAD51	2.410871541	RAD51
SPAG5	1.631166137	SPAG5
OCLN	1.549729942	OCLN
MELK	1.555918969	MELK
DBC1	1.618068693	DBC1
TEF	-2.370465238	TEF
GCH1	1.543338013	GCH1
SGOL1	1.754804108	SGOL1
NR1D1	-2.340203017	NR1D1
PGM5	-1.984518681	PGM5
SPRY4	1.911098622	SPRY4
UBE2C	4.708127601	UBE2C
SSR3	1.52746909	SSR3
ESCO2	1.595182119	ESCO2
FGF12	1.702880704	FGF12
GRHL2	1.615586	GRHL2
EFNB1	-2.333226467	EFNB1
FOXO4	-2.78678379	FOXO4
LOXL4	-4.826800212	LOXL4
GBP4	-2.858309967	MOUSE22790
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EVC	-3.01010188	EVC
KIF5C	1.636532006	KIF5C
DOCK8	1.655516683	DOCK8
SYCE2	1.934266699	SYCE2
E2F7	2.080712657	E2F7
RRP15	2.39176679	RRP15
GLP2R	1.818756229	GLP2R
SLFN5	-1.922560864	SLFN5
MAFB	1.94390129	MAFB
OTOP2	-2.479289403	OTOP2
FXYD3	1.708228709	FXYD3
LXN	-2.221684852	LXN
THOC2	-2.910053518	THOC2
CD69	1.996984135	CD69
CCNE2	2.9269438	CCNE2
ULK2	-2.654087346	ULK2
AP1S3	2.983167171	AP1S3
ZMIZ1	-2.129853831	ZMIZ1
CAB39	-3.188423953	CAB39
BAZ1B	-1.509098506	BAZ1B
ESCO2	1.976763683	ESCO2
BCAS1	1.713014965	BCAS1

P2RY1	1.628331577 P2RY1
SYT15	-2.363279112 SYT15
ETV6	1.540150081 ETV6
BLNK	1.516594467 BLNK
MDH1B	1.822105099 MDH1B
MDH1B	1.822105099 MDH1B
SSR1	1.744056273 SSR1
CXCR3	-2.37378737 CXCR3
FRMD3	-2.716679829 FRMD3
FLNA	-1.712236516 FLNA
P2RY1	1.544690453 P2RY1
CAP2	1.713594221 CAP2
MCM10	1.872819674 MCM10

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MSH2	-1.932349696	MSH2	-1.507881606
CHPT1	-1.906503034	CHPT1	-1.658123635
RBM39	-1.719614765	RBM39	-1.629745828
PHEX	-1.897434472	PHEX	-1.675266022
CCAR1	-1.856182305	CCAR1	-1.642706235
DBP	-2.098855018	DBP	-3.982987052
CLIC4	-2.640304192	CLIC4	-1.507639144
SMC3	-2.203056014	SMC3	-1.904091694
RND3	-2.355010109	RND3	-1.560760051
FBXL7	-1.823967388	FBXL7	-1.762334748
ESM1	-2.991075549	ESM1	-1.703473635
LIMA1	-1.822524874	LIMA1	-1.688978239
UBR1	-2.343310497	UBR1	-1.582374304
WDR60	-2.601653802	WDR60	-1.921056445
MYOG	-1.847977401	MYOG	-1.54442107
FOSL1	7.582378024	FOSL1	1.816801178
NID2	-2.40667439	NID2	-1.518311584
MINK1	-2.967204714	MINK1	-1.706095954
PAQR3	-1.813988418	PAQR3	-1.954959832
WASF1	-1.781708797	WASF1	-1.540765332
ERMP1	-2.305550815	ERMP1	-1.554694315
BRWD1	-2.332397707	BRWD1	-1.770617978
CLIP2	3.06027902	CLIP2	1.541612416
RRP12	4.177151765	RRP12	1.608948426
CPEB4	-2.263460132	CPEB4	-1.60080142
EP400	-2.393246569	EP400	-1.677150219
DEK	-2.675377661	DEK	-1.62069005
NCK1	-3.428474836	NCK1	-1.625223629
SATB1	-2.552791079	SATB1	-1.910928665
SETD3	-2.088772216	SETD3	-1.583111911
GDPD3	-2.214746843	GDPD3	-1.513010007
SMAD4	-2.025993949	SMAD4	-1.756892859
PIGH	-2.048953211	PIGH	-1.662914208
ABHD3	-1.931291884	ABHD3	-1.522413495
CD33	3.215572505	CD33	2.510273127
CD109	-1.660167009	CD109	-1.989996807
MYOF	-2.663716576	MYOF	-2.199955349
STAG1	-1.897441438	STAG1	-1.510385574
RAG1	-2.761261007	RAG1	-5.046400882
EPOR	-1.68985398	EPOR	-1.814146006
NHSL1	-1.97049565	NHSL1	-1.611978037
STK38	-3.284042263	STK38	-1.884144937
XPO1	-1.89826583	XPO1	-1.730541283
FNDC5	-1.97758824	FNDC5	-1.732949834
TXLNB	-2.314024055	TXLNB	-1.997330605
PLLP	-3.120355047	PLLP	-1.627058959

XK	2.514523592 XK	1.562055647
PTPRR	-2.699915698 PTPRR	-1.548217088
PTPRB	-3.224418722 PTPRB	-2.17008028
KRCC1	-2.052887035 KRCC1	-1.616496252
TPBG	-2.570720534 TPBG	-1.8725925
ACN9	2.52466977 ACN9	1.730192482
MTM1	-3.626975371 MTM1	-1.525566083
CD47	-1.961418264 CD47	-1.709914327
PIGB	-3.128077797 PIGB	-1.553816796
CREB1	-2.058790171 CREB1	-1.541535569
PSME4	-2.397299713 PSME4	-1.509769452
MAT2B	-2.045095261 MAT2B	-1.846081079
APH1A	-2.435757145 APH1A	-1.600355045
LRRK1	-1.737909545 LRRK1	-1.53651322
PKD2	-2.619151141 PKD2	-1.539132535
TTC22	-1.866679535 TTC22	-1.899359466
FOXK1	-2.429113433 FOXK1	-1.543562811
KIF1B	-1.938496811 KIF1B	-1.525108761
SLK	-3.159451707 SLK	-1.955039696
TEF	-2.218445002 TEF	-1.620582407
EFHA2	-2.239411668 EFHA2	-1.650017578
ABCA1	-2.398698472 ABCA1	-1.527939667
SENP7	-2.022570184 SENP7	-2.139322874
TLK1	-1.983812952 TLK1	-2.162642761
TMCC3	-2.032913528 TMCC3	-1.809979818
LYPD5	2.870714212 LYPD5	1.690279017
XPO4	-2.274025404 XPO4	-1.758268818
XPR1	-2.614516118 XPR1	-1.649756726
DCTD	-2.303634362 DCTD	-1.661403504
VAMP3	-1.784270632 VAMP3	-1.562323116
FOXO4	-2.01706669 FOXO4	-1.518134275
RRN3	-2.382849647 RRN3	-1.719421272
INO80	-1.82296358 INO80	-1.577295702
KLF3	-1.747587271 KLF3	-1.635853174
GBP4	-1.967540214 MOUSE22787	-1.635817004
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SCOC	-2.010961889 SCOC	-1.538959521
EVC	-2.350997739 EVC	-1.510498576
MEX3B	-2.816113209 MEX3B	-1.535431504
UQCC	-1.846030455 UQCC	-1.731414554
XPR1	-2.289312226 XPR1	-1.649756726
BMPR2	-2.019068255 BMPR2	-1.999895709
YPEL2	-3.728144164 YPEL2	-1.815144676

MXRA7	-3.342441705 MXRA7	-1.90359572
NR1D2	-2.310212529 NR1D2	-1.894647562
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NEDD4	-2.184131426 NEDD4	-2.458446303
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E2F7	3.627628096 E2F7	1.568358023
RABL3	-2.681420393 RABL3	-2.045760276
LCORL	-1.853154816 LCORL	-1.922746923
RC3H1	-1.700195051 RC3H1	-1.558654418
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KIF1B	-2.263329963 KIF1B	-1.525108761
TCEA2	-2.505748493 TCEA2	-1.733031672
ITPR2	-2.159303034 ITPR2	-1.561385332
LXN	-3.221065993 LXN	-1.515321905
PANK3	-2.13071416 PANK3	-2.323370356
KCNE4	2.935549502 KCNE4	1.977883965
MAT2B	-2.621754096 MAT2B	-1.846081079
SMC4	-1.886217752 SMC4	-1.623316968
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LUZP1	-2.202503572 LUZP1	-1.625792698
THEM5	-2.087811069 THEM5	-1.954517815
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FRMD3	-1.755860746 FRMD3	-3.660192791
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IPO8	-1.992034882 IPO8	-1.54337971
FAT4	-2.473242121 FAT4	-1.628145218
PRR11	-2.190246524 PRR11	-1.885977691
MPP4	-3.521935606 MPP4	-1.544849693
RBM39	-1.718569797 RBM39	-1.629745828
GULP1	-2.582613431 GULP1	-1.558498364
POSTN	-2.895159966 POSTN	-1.506393198
SMC4	-2.763530635 SMC4	-1.623316968

in_vitro_gene_name	in_vitro_fold_change	in_vivo_gene_name	in_vivo_fold_change
MSH2	-1.932349696	MSH2	-1.507881606
CHPT1	-1.906503034	CHPT1	-1.658123635
RBM39	-1.719614765	RBM39	-1.629745828
PHEX	-1.897434472	PHEX	-1.675266022
CCAR1	-1.856182305	CCAR1	-1.642706235
DBP	-2.098855018	DBP	-3.982987052
GFOD1	-3.808013996	GFOD1	-1.597141357
CLIC4	-2.640304192	CLIC4	-1.507639144
SMC3	-2.203056014	SMC3	-1.904091694
ADAT1	-4.284526321	ADAT1	-1.520807919
RND3	-2.355010109	RND3	-1.560760051
FBXL7	-1.823967388	FBXL7	-1.762334748
ESM1	-2.991075549	ESM1	-1.703473635
LIMA1	-1.822524874	LIMA1	-1.688978239
UBR1	-2.343310497	UBR1	-1.582374304
WDR60	-2.601653802	WDR60	-1.921056445
MYOG	-1.847977401	MYOG	-1.54442107
FOSL1	7.582378024	FOSL1	1.816801178
RNF6	-2.051688244	RNF6	-1.535399284
NID2	-2.40667439	NID2	-1.518311584
MINK1	-2.967204714	MINK1	-1.706095954
PAQR3	-1.813988418	PAQR3	-1.954959832
WASF1	-1.781708797	WASF1	-1.540765332
ERMP1	-2.305550815	ERMP1	-1.507120653
FAT4	-10.81936842	FAT4	-1.628145218
BRWD1	-2.332397707	BRWD1	-1.770617978
CNR1	-5.02332054	CNR1	-2.832246115
CEP70	-3.837904192	CEP70	-1.550201792
CLIP2	3.06027902	CLIP2	1.541612416
RRP12	4.177151765	RRP12	1.608948426
CPEB4	-2.263460132	CPEB4	-1.60080142
EP400	-2.393246569	EP400	-1.677150219
DEK	-2.675377661	DEK	-1.62069005
NCK1	-3.428474836	NCK1	-1.625223629
SATB1	-2.552791079	SATB1	-1.910928665
SETD3	-2.088772216	SETD3	-1.583111911
GDPD3	-2.214746843	GDPD3	-1.513010007
SMAD4	-2.025993949	SMAD4	-1.756892859
PIGH	-2.048953211	PIGH	-1.662914208
ABHD3	-1.931291884	ABHD3	-1.522413495
CD33	3.215572505	CD33	2.510273127
CD109	-1.660167009	CD109	-1.989996807
MYOF	-2.663716576	MYOF	-2.199955349
STAG1	-1.897441438	STAG1	-1.510385574
RAG1	-2.761261007	RAG1	-5.046400882
EPOR	-1.68985398	EPOR	-1.814146006

HDX	-4.679024091 HDX	-1.74628121
NHSL1	-1.97049565 NHSL1	-1.611978037
STK38	-3.284042263 STK38	-1.884144937
XPO1	-1.89826583 XPO1	-1.730541283
LUZP1	-4.020583721 LUZP1	-1.625792698
FNDC5	-1.97758824 FNDC5	-1.628807872
TXLNB	-2.314024055 TXLNB	-1.997330605
PLLP	-3.120355047 PLLP	-1.627058959
XK	2.514523592 XK	1.562055647
PTPRR	-2.699915698 PTPRR	-1.548217088
PYGL	-2.357740271 PYGL	-1.616275041
ASPM	-5.831633687 ASPM	-1.594738224
PTPRB	-3.224418722 PTPRB	-2.17008028
KRCC1	-2.052887035 KRCC1	-1.616496252
TPBG	-2.570720534 TPBG	-1.8725925
ACN9	2.52466977 ACN9	1.730192482
MTM1	-3.626975371 MTM1	-1.525566083
CD47	-1.961418264 CD47	-1.709914327
PIGB	-3.128077797 PIGB	-1.553816796
CREB1	-2.058790171 CREB1	-1.541535569
PSME4	-2.397299713 PSME4	-1.509769452
MAT2B	-2.045095261 MAT2B	-1.846081079
APH1A	-2.435757145 APH1A	-1.600355045
LRRK1	-1.737909545 LRRK1	-1.53651322
PKD2	-2.619151141 PKD2	-1.539132535
TTC22	-1.866679535 TTC22	-1.899359466
FOXK1	-2.429113433 FOXK1	-1.543562811
KIF1B	-1.938496811 KIF1B	-1.525108761
SLK	-3.159451707 SLK	-1.955039696
TEF	-2.218445002 TEF	-1.620582407
EFHA2	-2.239411668 EFHA2	-1.650017578
ABCA1	-2.398698472 ABCA1	-1.527939667
SENP7	-2.022570184 SENP7	-2.139322874
TLK1	-1.983812952 TLK1	-2.162642761
TMCC3	-2.032913528 TMCC3	-1.927239525
LYPD5	2.870714212 LYPD5	1.690279017
XPO4	-2.274025404 XPO4	-1.758268818
XPR1	-2.614516118 XPR1	-1.649756726
DCTD	-2.303634362 DCTD	-1.748376711
VAMP3	-1.784270632 VAMP3	-1.562323116
FOXO4	-2.01706669 FOXO4	-1.518134275
RRN3	-2.382849647 RRN3	-1.719421272
INO80	-1.82296358 INO80	-1.577295702
KLF3	-1.747587271 KLF3	-1.635853174
GBP4	-1.967540214 MOUSE22786	-1.635817004
GBP4	-1.967540214 MOUSE20554	-1.635817004
GBP4	-1.967540214 MOUSE22790	-1.635817004

GBP4	-1.967540214 MOUSE22789	-1.635817004
GBP4	-1.967540214 MOUSE22787	-1.635817004
GBP4	-1.967540214 GBP4	-1.635817004
SCOC	-2.010961889 SCOC	-1.538959521
EVC	-2.350997739 EVC	-1.510498576
CPNE3	-4.602039034 CPNE3	-1.638468841
MEX3B	-2.816113209 MEX3B	-1.535431504
UQCC	-1.846030455 UQCC	-1.731414554
XPR1	-2.289312226 XPR1	-1.649756726
BMPR2	-2.019068255 BMPR2	-1.732929888
YPEL2	-3.728144164 YPEL2	-1.815144676
MXRA7	-3.342441705 MXRA7	-1.90359572
TANC2	-2.7807218 TANC2	-2.124339738
NR1D2	-2.310212529 NR1D2	-1.894647562
WDFY3	-2.173627767 WDFY3	-1.555345151
FANCM	-1.75577925 FANCM	-1.760297921
NEDD4	-2.184131426 NEDD4	-2.458446303
SATB2	-2.546817092 SATB2	-1.532901626
E2F7	3.627628096 E2F7	1.568358023
RABL3	-2.681420393 RABL3	-2.045760276
LCORL	-1.853154816 LCORL	-1.922746923
RC3H1	-1.700195051 RC3H1	-1.558654418
SPHK1	2.644730884 SPHK1	1.694885886
KIF1B	-2.263329963 KIF1B	-1.525108761
TCEA2	-2.505748493 TCEA2	-1.733031672
ITPR2	-2.159303034 ITPR2	-1.561385332
LXN	-3.221065993 LXN	-1.515321905
PANK3	-2.13071416 PANK3	-2.323370356
KCNE4	2.935549502 KCNE4	1.977883965
MAT2B	-2.621754096 MAT2B	-1.846081079
SMC4	-1.886217752 SMC4	-1.623316968
PTPRR	-1.759642558 PTPRR	-1.548217088
CBL	-2.140231143 CBL	-2.050671262
YPEL1	-2.650267038 YPEL1	-1.759772866
LUZP1	-2.202503572 LUZP1	-1.625792698
MSH2	-1.964335941 MSH2	-1.507881606
ITPR2	-3.559557423 ITPR2	-1.58860971
MAGI2	-1.806751102 MAGI2	-1.507682906
PGAP1	-1.964299492 PGAP1	-2.21974253
SP4	-1.790340163 SP4	-2.999298625
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FRMD3	-1.755860746 FRMD3	-3.660192791
FRMD3	-2.096929468 FRMD3	-3.660192791
IPO8	-1.992034882 IPO8	-1.54337971
FAT4	-2.473242121 FAT4	-1.628145218
PRR11	-2.190246524 PRR11	-1.885977691
MPP4	-3.521935606 MPP4	-1.544849693

RBM39	-1.718569797 RBM39	-1.629745828
FRMD3	-5.076197098 FRMD3	-3.660192791
GULP1	-2.582613431 GULP1	-1.558498364
POSTN	-2.895159966 POSTN	-1.506393198
SMC4	-2.763530635 SMC4	-1.623316968