

Table S5. Commonly upregulated genes and transcripts in cells overexpressing either a wild type (WT $\beta$ 3) or a constitutively active (CA $\beta$ 3)  $\alpha$ v $\beta$ 3 integrin.

Log<sub>2</sub> fold change (FC) values were reported in DGE analysis using EdgeR, and genes and transcripts that demonstrated a Log<sub>2</sub>  $\geq$  1.5 FC were identified using R statistical computing and graphics software. Genes and transcripts are listed alphabetically.

Ensembl ID	Gene Symbol	Log <sub>2</sub> FC WT $\beta$ 3	Log <sub>2</sub> FC CA $\beta$ 3	Description
ENSG00000175899	A2M	2.546851196	2.190721295	alpha-2-macroglobulin
ENSG00000270823	AC007938.2	1.721227681	2.333318666	novel transcript, antisense to MEST
ENSG00000249839	AC011330.1	3.371762947	2.558261417	histidine acid phosphatase domain containing 2A pseudogene
ENSG00000259753	AC068234.1	9.595384645	6.518827194	novel transcript
ENSG00000254673	AC110275.1	1.569670313	1.553657788	novel transcript
ENSG00000164742	ADCY1	2.155402951	1.98806475	adenylate cyclase 1
ENSG00000169083	AR	1.743956491	2.023372026	androgen receptor
ENSG00000158321	AUTS2	2.072386152	3.522554032	AUTS2, activator of transcription and developmental regulator
ENSG00000188848	BEND4	3.026227118	4.745703048	BEN domain containing 4
ENSG00000152785	BMP3	1.523561956	3.820178962	bone morphogenetic protein 3
ENSG00000224389	C4B	1.511639907	2.296971491	complement C4B (Chido blood group)
ENSG00000117477	CCDC181	2.265861017	3.025809089	coiled-coil domain containing 181
ENSG00000128510	CPA4	1.511030785	3.022971372	carboxypeptidase A4
ENSG00000135144	DTX1	2.22806022	3.024584843	deltex E3 ubiquitin ligase 1
ENSG00000130054	FAM155B	2.633270588	2.493155194	family with sequence similarity 155 member B
ENSG00000054983	GALC	2.075155065	3.096050797	galactosylceramidase
ENSG00000110328	GALNT18	2.358499405	2.514794853	polypeptide N-acetylgalactosaminyltransferase 18
ENSG00000007237	GAS7	1.512978922	3.210195626	growth arrest specific 7
ENSG00000124194	GDAP1L1	1.549983559	2.648958028	ganglioside induced differentiation associated protein 1 like 1
ENSG00000112964	GHR	3.441519165	2.810438978	growth hormone receptor

ENSG00000179855	GIPC3	1.821006768	2.428827304	GIPC PDZ domain containing family member 3
ENSG00000065325	GLP2R	1.941295934	2.365404281	glucagon like peptide 2 receptor
ENSG00000170412	GPRC5C	1.837777211	2.558563065	G protein-coupled receptor class C group 5 member C
ENSG00000183454	GRIN2A	2.183723762	2.107439598	glutamate ionotropic receptor NMDA type subunit 2A
ENSG00000164116	GUCY1A1	1.521115577	3.361417459	guanylate cyclase 1 soluble subunit alpha 1
ENSG00000130600	H19	1.523468872	2.269401426	H19, imprinted maternally expressed transcript
ENSG00000274618	HIST1H4F	1.632699824	2.340301588	histone cluster 1 H4 family member f
ENSG00000125430	HS3ST3B1	1.776234593	2.107503126	heparan sulfate-glucosamine 3-sulfotransferase 3B1
ENSG00000142149	HUNK	1.720255649	2.998820911	hormonally up-regulated Neu-associated kinase
ENSG00000259207	ITGB3	6.688975307	3.887676455	integrin subunit beta 3
ENSG00000055118	KCNH2	1.753339719	2.014887719	potassium voltage-gated channel subfamily H member 2
ENSG00000003096	KLHL13	3.485927333	2.470729486	kelch like family member 13
ENSG00000169783	LINGO1	1.509940943	2.335313903	leucine rich repeat and Ig domain containing 1
ENSG00000136944	LMX1B	1.524723261	1.658412873	LIM homeobox transcription factor 1 beta
ENSG00000129295	LRRC6	1.990976674	2.066274564	leucine rich repeat containing 6
ENSG00000126217	MCF2L	1.749244740	2.43608757	MCF.2 cell line derived transforming sequence like
ENSG00000130675	MNX1	2.423211431	4.367116869	motor neuron and pancreas homeobox 1
ENSG00000151322	NPAS3	1.795904567	1.737236428	neuronal PAS domain protein 3
ENSG00000124374	PAIP2B	1.99877162	2.289621046	poly(A) binding protein interacting protein 2B
ENSG00000120324	PCDHB10	1.925999419	3.392317423	protocadherin beta 10
ENSG00000120328	PCDHB12	1.614402947	2.547812606	protocadherin beta 12
ENSG00000187372	PCDHB13	1.590649225	2.369901446	protocadherin beta 13
ENSG00000272674	PCDHB16	1.995728907	2.085085236	protocadherin beta 16
ENSG00000113209	PCDHB5	1.560931899	2.252456238	protocadherin beta 5
ENSG00000102109	PCSK1N	2.625166846	2.641351326	proprotein convertase subtilisin/kexin type 1 inhibitor
ENSG00000114631	PODXL2	2.096004428	3.69766938	podocalyxin like 2

ENSG00000074211	PPP2R2C	2.255839625	2.103603309	protein phosphatase 2 regulatory subunit Bgamma
ENSG00000103485	QPRT	3.087796637	3.408612035	quinolinate phosphoribosyltransferase
ENSG00000091428	RAPGEF4	1.721583517	2.255201136	Rap guanine nucleotide exchange factor 4
ENSG00000165731	RET	1.831877241	2.411426246	ret proto-oncogene
ENSG00000177181	RIMKLA	2.421494183	2.883132189	ribosomal modification protein rimK like family member A
ENSG00000092096	SLC22A17	1.601709055	1.95807434	solute carrier family 22 member 17
ENSG00000080503	SMARCA2	2.152768611	2.318285941	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2
ENSG00000101955	SRPX	2.630509847	2.525241645	sushi repeat containing protein X-linked
ENSG00000196562	SULF2	1.887350742	2.277392509	sulfatase 2
ENSG00000170379	TCAF2	1.755030163	1.827709726	TRPM8 channel associated factor 2
ENSG00000006042	TMEM98	1.718692092	2.292466039	transmembrane protein 98
ENSG00000255690	TRIL	4.268021204	3.746862554	TLR4 interactor with leucine rich repeats
ENSG00000162738	VANGL2	3.262101997	3.758007605	VANGL planar cell polarity protein 2
ENSG00000132821	VSTM2L	2.740009491	2.597112733	V-set and transmembrane domain containing 2 like
ENSG00000126970	ZC4H2	1.560779227	1.886731068	zinc finger C4H2-type containing
ENSG00000152926	ZNF117	1.905433721	2.342995159	zinc finger protein 117
ENSG00000197928	ZNF677	1.783347861	1.662160198	zinc finger protein 677
ENSG00000198429	ZNF69	2.417505808	2.893734882	zinc finger protein 69
ENSG00000188227	ZNF793	2.017296376	2.443964647	zinc finger protein 793