

Table S2. Genes and transcripts uniquely downregulated in cells overexpressing a constitutively active  $\alpha v\beta 3$  integrin (CA $\beta 3$ ).

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>  $\leq$  -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	Description
ENSG00000268812	AC004264.1	-1.991396937	novel transcript, antisense to LIF
ENSG00000254887	AC010247.1	-1.820701391	novel transcript, antisense to POU2F2
ENSG00000256861	AC048338.1	-8.836046928	novel transcript
ENSG00000258232	AC125611.3	-10.75481719	novel transcript, antisense to TUBA1C
ENSG00000215861	AC245297.1	-1.828444904	phosphodiesterase 4D interacting protein (myomegalin) (PDE4DIP) pseudogene
ENSG00000224945	AL353150.1	-2.211061382	novel transcript
ENSG00000154065	ANKRD29	-1.806241919	ankyrin repeat domain 29
ENSG00000138772	ANXA3	-3.09451016	annexin A3
ENSG00000138639	ARHGAP24	-2.039246148	Rho GTPase activating protein 24
ENSG00000184867	ARMCX2	-2.010051376	armadillo repeat containing X-linked 2
ENSG00000023445	BIRC3	-1.751782753	baculoviral IAP repeat containing 3
ENSG00000164619	BMPER	-2.067122128	BMP binding endothelial regulator
ENSG00000169594	BNC1	-1.8888467	basonuclin 1
ENSG00000120217	CD274	-1.829161111	CD274 molecule
ENSG00000163814	CDCP1	-3.72977362	CUB domain containing protein 1
ENSG00000183196	CHST6	-1.692985225	carbohydrate sulfotransferase 6
ENSG00000147119	CHST7	-1.814708957	carbohydrate sulfotransferase 7
ENSG00000113805	CNTN3	-3.173118934	contactin 3
ENSG00000197467	COL13A1	-1.64042802	collagen type XIII alpha 1 chain
ENSG00000108342	CSF3	-3.690256759	colony stimulating factor 3
ENSG00000163739	CXCL1	-1.991292869	C-X-C motif chemokine ligand 1
ENSG00000081041	CXCL2	-2.213041858	C-X-C motif chemokine ligand 2
ENSG00000163734	CXCL3	-3.003403221	C-X-C motif chemokine ligand 3
ENSG00000163735	CXCL5	-1.860018019	C-X-C motif chemokine ligand 5
ENSG00000169429	CXCL8	-2.853844759	C-X-C motif chemokine ligand 8
ENSG00000107984	DKK1	-1.914148292	dickkopf WNT signaling pathway inhibitor 1
ENSG00000128590	DNAJB9	-1.558079736	DnaJ heat shock protein family (Hsp40) member B9
ENSG00000187957	DNER	-1.781751986	delta/notch like EGF repeat containing
ENSG00000134769	DTNA	-2.34651843	dystrobrevin alpha
ENSG00000138166	DUSP5	-1.573654655	dual specificity phosphatase 5
ENSG00000134531	EMP1	-1.875691721	epithelial membrane protein 1
ENSG00000185862	EVI2B	-1.98384939	ecotropic viral integration site 2B

ENSG00000064655	EYA2	-2.063825752	EYA transcriptional coactivator and phosphatase 2
ENSG00000103089	FA2H	-1.516395866	fatty acid 2-hydroxylase
ENSG00000154319	FAM167A	-2.22351973	family with sequence similarity 167 member A
ENSG00000162746	FCRLB	-1.582633139	Fc receptor like B
ENSG00000175592	FOSL1	-1.983301242	FOS like 1, AP-1 transcription factor subunit
ENSG00000174500	GCSAM	-1.564754727	germinal center associated signaling and motility
ENSG00000166923	GREM1	-1.965465728	gremlin 1, DAN family BMP antagonist
ENSG00000189369	GSPT2	-2.811460806	G1 to S phase transition 2
ENSG00000274290	HIST1H2BE	-2.511407222	histone cluster 1 H2B family member e
ENSG00000115756	HPCAL1	-1.543022612	hippocalcin like 1
ENSG00000148680	HTR7	-1.585619731	5-hydroxytryptamine receptor 7
ENSG00000095752	IL11	-2.047710214	interleukin 11
ENSG00000125538	IL1B	-3.954943908	interleukin 1 beta
ENSG00000164509	IL31RA	-3.457925362	interleukin 31 receptor A
ENSG00000163083	INHBB	-1.648769502	inhibin subunit beta B
ENSG00000151364	KCTD14	-2.789059168	potassium channel tetramerization domain containing 14
ENSG00000178202	KDELC2	-1.718428643	KDEL motif containing 2
ENSG00000127528	KLF2	-1.538195537	Kruppel like factor 2
ENSG00000205809	KLRC2	-1.678061452	killer cell lectin like receptor C2
ENSG00000128342	LIF	-2.572899451	LIF, interleukin 6 family cytokine
ENSG00000246430	LINC00968	-1.790599633	long intergenic non-protein coding RNA 968
ENSG00000242147	LINC02657	-1.675213447	long intergenic non-protein coding RNA 2657
ENSG00000110031	LPXN	-1.507356275	leupaxin
ENSG00000153714	LURAP1L	-2.424505767	leucine rich adaptor protein 1 like
ENSG00000185022	MAFF	-1.841816751	MAF bZIP transcription factor F
ENSG00000197971	MBP	-2.622446775	myelin basic protein
ENSG00000168389	MFSD2A	-1.599721227	major facilitator superfamily domain containing 2A
ENSG00000253522	MIR3142HG	-1.594581074	MIR3142 host gene
ENSG00000196549	MME	-1.503242387	membrane metalloendopeptidase
ENSG00000102854	MSLN	-1.602678703	mesothelin
ENSG00000133055	MYBPH	-1.519648684	myosin binding protein H
ENSG00000229644	NAMPTP1	-1.545856696	nicotinamide phosphoribosyltransferase pseudogene 1
ENSG00000122585	NPY	-2.570075417	neuropeptide Y
ENSG00000118257	NRP2	-2.271274726	neuropilin 2
ENSG00000177144	NUDT4B	-1.529161539	nudix hydrolase 4B
ENSG00000226328	NUP50-DT	-2.144345686	NUP50 divergent transcript

ENSG00000137819	PAQR5	-1.861771537	progesterone and adipoQ receptor family member 5
ENSG00000188677	PARVB	-2.553371268	parvin beta
ENSG00000253731	PCDHGA6	-1.602625701	protocadherin gamma subfamily A, 6
ENSG00000175426	PCSK1	-1.725823785	proprotein convertase subtilisin/kexin type 1
ENSG00000258429	PDF	-1.594087122	peptide deformylase, mitochondrial
ENSG00000177614	PGBD5	-2.035902229	piggyBac transposable element derived 5
ENSG00000181649	PHLDA2	-1.897784122	pleckstrin homology like domain family A member 2
ENSG00000100558	PLEK2	-2.061318736	pleckstrin 2
ENSG00000119698	PPP4R4	-1.786939032	protein phosphatase 4 regulatory subunit 4
ENSG00000106772	PRUNE2	-2.019538158	prune homolog 2 with BCH domain
ENSG00000148344	PTGES	-2.23429819	prostaglandin E synthase
ENSG00000151490	PTPRO	-1.79152749	protein tyrosine phosphatase, receptor type O
ENSG00000041353	RAB27B	-1.567298236	RAB27B, member RAS oncogene family
ENSG00000104856	RELB	-1.508096473	RELB proto-oncogene, NF-kB subunit
ENSG00000277739	RF00002	-1.660318574	NA
ENSG00000196460	RFX8	-3.976835018	RFX family member 8, lacking RFX DNA binding domain
ENSG00000173156	RHOD	-1.734142397	ras homolog family member D
ENSG00000278771	RN7SL3	-2.010134682	RNA, 7SL, cytoplasmic 3
ENSG00000278189	RNA5-8SN1	-1.660318578	RNA, 5.8S ribosomal N1
ENSG00000278233	RNA5-8SN2	-1.660318581	RNA, 5.8S ribosomal N2
ENSG00000275215	RNA5-8SN3	-1.660318568	RNA, 5.8S ribosomal N3
ENSG00000206585	RNVU1-7	-1.823893721	RNA, variant U1 small nuclear 7
ENSG00000197956	S100A6	-1.618913379	S100 calcium binding protein A6
ENSG00000189001	SBSN	-1.870212129	suprabasin
ENSG00000171951	SCG2	-2.102123269	secretogranin II
ENSG00000106366	SERPINE1	-1.705199473	serpin family E member 1
ENSG00000118473	SGIP1	-1.991229357	SH3 domain GRB2 like endophilin interacting protein 1
ENSG00000189410	SH2D5	-1.557658489	SH2 domain containing 5
ENSG00000259863	SH3RF3-AS1	-1.614951605	SH3RF3 antisense RNA 1
ENSG00000142178	SIK1	-1.501009133	salt inducible kinase 1
ENSG00000265185	SNORD3B-1	-1.538402261	small nucleolar RNA, C/D box 3B-1
ENSG00000262074	SNORD3B-2	-1.6161787	small nucleolar RNA, C/D box 3B-2
ENSG00000079263	SP140	-1.877421242	SP140 nuclear body protein
ENSG00000134668	SPOCD1	-2.582502785	SPOC domain containing 1
ENSG00000117069	ST6GALNAC5	-1.736569499	ST6 N-acetylgalactosaminide alpha-2,6-sialyltransferase 5
ENSG00000164674	SYTL3	-1.604198478	synaptotagmin like 3
ENSG00000158246	TENT5B	-2.138860226	terminal nucleotidyltransferase 5B

ENSG00000133863	TEX15	-2.577584943	testis expressed 15, meiosis and synapsis associated
ENSG00000145107	TM4SF19	-2.005702078	transmembrane 4 L six family member 19
ENSG00000249992	TMEM158	-2.126264863	transmembrane protein 158 (gene/pseudogene)
ENSG00000118503	TNFAIP3	-1.917747885	TNF alpha induced protein 3
ENSG00000123610	TNFAIP6	-2.804564769	TNF alpha induced protein 6
ENSG00000179046	TRIML2	-1.952947411	tripartite motif family like 2
ENSG00000162692	VCAM1	-2.070676141	vascular cell adhesion molecule 1
ENSG00000112715	VEGFA	-2.110359862	vascular endothelial growth factor A
ENSG00000136059	VILL	-3.303321858	villin like
ENSG00000188064	WNT7B	-1.820245207	Wnt family member 7B