

Table S2 | Downregulated genes in mesothelioma spheroids

Gene Symbol	Description	Unigene ID
<i>AADACL1</i>	arylacetylamine deacetylase-like 1	Hs.444099
<i>ADRB2</i>	adrenergic, beta-2-, receptor, surface	Hs.2551
<i>AMOTL2</i>	angiomin like 2	Hs.426312
<i>ANKRD1</i>	ankyrin repeat domain 1 (cardiac muscle)	Hs.448589
<i>ANKRD13A</i>	ankyrin repeat domain 13A	Hs.528703
<i>ANKRD2</i>	ankyrin repeat domain 2 (stretch responsive muscle)	Hs.73708
<i>ANXA3</i>	annexin A3	Hs.480042
<i>AXL</i>	AXL receptor tyrosine kinase	Hs.466791
<i>C12orf24</i>	chromosome 12 open reading frame 24	Hs.436618
<i>C1orf33</i>	chromosome 1 open reading frame 33	Hs.463797
<i>C1orf79</i>	chromosome 1 open reading frame 79	Hs.40092
<i>CAD</i>	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Hs.377010
<i>CCBE1</i>	collagen and calcium binding EGF domains 1	Hs.34333
<i>CCDC85A</i>	coiled-coil domain containing 85A	Hs.117136
<i>CGI-115</i>	CGI-115 protein	Hs.408101
<i>CTGF</i>	connective tissue growth factor	Hs.410037
<i>CYR61</i>	cysteine-rich, angiogenic inducer, 61	Hs.8867
<i>DIO2</i>	deiodinase, iodothyronine, type II	Hs.202354
<i>DLX2</i>	distal-less homeobox 2	Hs.419
<i>EDN1</i>	endothelin 1	Hs.511899
<i>EPHB2</i>	EPH receptor B2	Hs.523329
<i>F3</i>	coagulation factor III (thromboplastin, tissue factor)	Hs.62192
<i>FGF2</i>	fibroblast growth factor 2 (basic)	Hs.284244
<i>FGFR2</i>	fibroblast growth factor receptor 2	Hs.533683
<i>FJX1</i>	four jointed box 1 (Drosophila)	Hs.39384
<i>FST</i>	follicle-stimulating hormone receptor	Hs.9914
<i>GADD45A</i>	growth arrest and DNA-damage-inducible, alpha	Hs.80409
<i>GTPBP4</i>	GTP binding protein 4	Hs.215766
<i>IL11</i>	interleukin 11	Hs.467304
<i>KIAA0690</i>	KIAA0690	Hs.434251
<i>KISS1</i>	KISS-1 metastasis-suppressor	Hs.95008
<i>KRT33B</i>	keratin 33B	Hs.32950
<i>LHB</i>	lutetizing hormone beta polypeptide	Hs.154704
<i>LOC56902</i>	putative 28 kDa protein	Hs.262858
<i>MKI67IP</i>	MKI67 (FHA domain) interacting nucleolar phosphoprotein	Hs.367842
<i>MYBL1</i>	v-myb myeloblastosis viral oncogene homolog (avian)-like 1	Hs.445898
<i>MYC</i>	v-myc myelocytomatosis viral oncogene homolog (avian)	Hs.202453
<i>NEXN</i>	nexilin (F actin binding protein)	Hs.22370
<i>NIP7</i>	nuclear import 7 homolog (S. cerevisiae)	Hs.501513
<i>NPPB</i>	natriuretic peptide precursor B	Hs.219140
<i>NT5DC3</i>	5'-nucleotidase domain containing 3	Hs.48428
<i>NT5E</i>	5'-nucleotidase, ecto (CD73)	Hs.153952
<i>NULL</i>	NULL	Hs.82254
<i>ODC1</i>	ornithine decarboxylase 1	Hs.467701
<i>OXTR</i>	oxytocin receptor	Hs.2820
<i>POLR3G</i>	polymerase (RNA) III (DNA directed) polypeptide G (32kD)	Hs.282387
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<i>PPAT</i>	phosphoribosyl pyrophosphate amidotransferase	Hs.331420
<i>PPRC1</i>	peroxisome proliferative activated receptor, gamma, coactivator-related 1	Hs.533551
<i>PWP2H</i>	PWP2 periodic tryptophan protein homolog (yeast)	Hs.449076
<i>RAD18</i>	RAD18 homolog (S. cerevisiae)	Hs.375684
<i>RBM24</i>	RNA binding motif protein 24	Hs.519904
<i>RGS7</i>	regulator of G-protein signalling 7	Hs.130171
<i>RRS1</i>	RRS1 ribosome biogenesis regulator homolog (S. cerevisiae)	Hs.71827
<i>SCHIP1</i>	schwannomin interacting protein 1	Hs.134665
<i>SEC23B</i>	Sec23 homolog B (S. cerevisiae)	Hs.369373
<i>SERPINE1</i>	serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1	Hs.414795
<i>SNORD22</i>	small nucleolar RNA, C/D box 22	Hs.433345
<i>STYK1</i>	serine/threonine/tyrosine kinase 1	Hs.24979
<i>TMEM166</i>	transmembrane protein 166	Hs.549210
<i>TMEM16B</i>	transmembrane protein 16B	Hs.148970
<i>UAP1</i>	UDP-N-acetylglucosamine pyrophosphorylase 1	Hs.492859
<i>WNT5B</i>	wingless-type MMTV integration site family, member 5B	Hs.306051
<i>WWC1</i>	WW, C2 and coiled-coil domain containing 1	Hs.484047
<i>YRDC</i>	yrdC domain containing (E. coli)	Hs.301564
<i>ZC3H8</i>	zinc finger CCCH-type containing 8	Hs.418416
<i>ZFP30</i>	zinc finger protein 30 homolog (mouse)	Hs.116622
<i>ZFP36L2</i>	zinc finger protein 36, C3H type-like 2	Hs.78909
<i>ZNF569</i>	zinc finger protein 569	Hs.511848
<i>ZNF695</i>	zinc finger protein 695	Hs.161840
<i>ZNF714</i>	zinc finger protein 714	Hs.466291

Genes downregulated in all three mesothelioma cell lines (M28, REN, VAMT) in spheroids compared to monolayers with Bonferroni adjusted $P < 0.05$.