

Table S4 Proteins involved in the promotion of type 3 EMT

Gene	Protein description	Stage 1	Stage 2	Stage 3	Stage 2/1 ratio	Stage 3/1 ratio	References
ACAT1	Acetyl-CoA acetyltransferase, mitochondrial		7.57E+04		S2 only		[S1]
ACOT9	Acyl-coenzyme A thioesterase 9, mitochondrial	1.82E+04	3.33E+04		1.82		[S2]
ACTL6A	Actin-like protein 6A	8.36E+03	1.06E+04		1.27		[S3]
AEBP1	Adipocyte enhancer-binding protein 1		1.52E+04		S2 only		[S4]
AGO1	Protein argonaute-1	2.55E+04	1.81E+04		0.71		[S5]
AGO2	Protein argonaute-2	1.25E+04	8.26E+03	1.41E+04	0.66	1.13	[S6]
ALDH1B1	Aldehyde dehydrogenase X, mitochondrial (aldehyde dehydrogenase 1 family member B1)		8.03E+03		S2 only		[S7]
ALDH5A1	Succinate-semialdehyde dehydrogenase, mitochondrial (aldehyde dehydrogenase 5 family member A1)		1.09E+04		S2 only		[S8]
ANKHD1	Ankyrin repeat and KH domain-containing protein 1	1.60E+04	7.20E+03		0.45		[S9]
ANKRD6	Ankyrin repeat domain-containing protein 6	3.55E+04		4.86E+05		13.69	[S10]
ANP32A	Acidic leucine-rich nuclear phosphoprotein 32 family member A	1.10E+05	1.47E+04		0.13		[S11]
ANP32B	Acidic leucine-rich nuclear phosphoprotein 32 family member B	4.32E+04					[S12]
ANXA2	Annexin A2	7.53E+04	3.00E+05	5.09E+05	3.99	6.77	[S13]
ANXA4	Annexin A4	3.43E+04	6.69E+04	5.11E+04	1.95	1.49	[S14]
ANXA7	Annexin A7	2.43E+04	2.92E+04	9.44E+03	1.20	0.39	[S15]
APBB1	Amyloid β precursor PB family B member 1		1.51E+04		S2 only		[S16]

APEX1 (APE1)	DNA-(apurinic or apyrimidinic site) endonuclease	3.66E+04	1.55E+05		4.22		[S17]
APMAP	Adipocyte plasma membrane-associated protein		2.30E+04	8.48E+04	S2 only	S3 only	[S18]
ARHGAP4	Rho GTPase-activating protein 4	5.64E+04	2.25E+04	9.21E+03	0.40	0.16	[S19]
ARHGDIB	Rho GDP-dissociation inhibitor 2	6.50E+04	2.55E+04		0.39		[S20]
ASPH	Aspartyl/asparaginyl β -hydroxylase		1.18E+04		S2 only		[S21]
ATP1A1	Na/K-transporting ATPase subunit α -1	4.01E+04	1.18E+05		2.94		[S22]
B2M	β -2-microglobulin		4.96E+03		S2 only		[S23]
B3GAT3	Galactosylgalactosylxylosylprotein 3- β -glucuronosyltransferase 3 (β -1,3-glucuronosyltransferase 3)		4.51E+03		S2 only		[S24]
BASP1	Brain acid soluble protein 1		3.46E+04		S2 only		[S25]
BLVRA	Biliverdin reductase A		2.05E+04		S2 only		[S26]
CALD1	Caldesmon	5.37E+04	9.21E+04	1.41E+05	1.71	2.62	[S27]
CALU	Calumenin		3.59E+04		S2 only		[S28]
CAND1	Cullin-associated NEDD8 (neural precursor cell expressed developmentally downregulated protein 8)-dissociated protein 1	3.05E+04	2.43E+04		0.80		[S29]
CAPRIN1	Caprin-1	1.78E+05	5.21E+04	1.25E+04	0.29	0.07	[S30]
CBX3	Chromobox protein homolog 3	3.27E+04	3.12E+04		0.95		[S31]
CCDC43	Coiled-coil domain-containing protein 43	2.96E+04	1.07E+04		0.36		[S32]
CCT2	T-complex protein 1 subunit β	6.05E+04	6.81E+04		1.13		[S33,S34]

CCT5	T-complex protein 1 subunit ϵ	1.05E+04	2.77E+04		2.63		[S33,S35]
CCT6A	T-complex protein 1 subunit ζ	7.16E+04	6.05E+04	2.93E+04	0.84	0.41	[S33,S36]
CCT8	T-complex protein 1 subunit θ	7.35E+04	8.79E+04		1.20		[S33,S37]
CDC5L	Cell division cycle 5-like protein		6.34E+03		S2 only		[S38]
CDH11	Cadherin-11		8.00E+03		S2 only		[S39]
CHD4	Chromodomain-helicase-DNA-binding protein 4	7.67E+04	2.62E+04	4.46E+04	0.34	0.58	[S40]
CIRBP	Cold-inducible RNA-binding protein	4.82E+04	2.87E+04	2.10E+04	0.60	0.44	[S41]
CKAP4	Cytoskeleton-associated protein 4	4.02E+04	9.78E+04	2.56E+04	2.43	0.64	[S42]
CLU	Clusterin	2.27E+04	7.99E+04	6.49E+04	3.52	2.86	[S43]
CMTM6	CKLF-like MARVEL transmembrane domain-containing protein 6		1.43E+04	4.59E+04	S2 only	S3 only	[S44]
COPZ1	Coatamer subunit ξ -1		1.19E+04		S2 only		[S45]
CPNE1	Copine-1	3.45E+04	4.78E+04	2.00E+04	1.39	0.58	[S46]
CRKL	Crk-like protein	1.61E+04	1.27E+04		0.79		[S47]
CSRP2	Cysteine and glycine-rich protein 2		1.04E+04		S2 only		[S48]
CST6	Cystatin-M		1.23E+04		S2 only		[S49]
CSTB	Cystatin-B	2.51E+05	1.18E+05	1.39E+04	0.47	0.06	[S50]
CTBP1	C-terminal-binding protein 1	5.87E+04	2.27E+04		0.39		[S51]
CTNNB1	Catenin β -1		1.86E+04		S2 only		[S39,S52,S53]
CYB5R1	NADH-cytochrome b5 reductase 1		3.06E+04		S2 only		[S54]
CYBRD1	Plasma membrane ascorbate-dependent reductase CYBRD1		5.05E+04		S2 only		[S55]

DDB1	DNA damage-binding protein 1	8.71E+04	1.63E+04		0.19		[S56]
DDX3X	ATP-dependent RNA helicase DDX3X	1.09E+05	8.22E+04	2.27E+04	0.76	0.21	[S53]
DDX5	Probable ATP-dependent RNA helicase DDX5	2.64E+04	3.40E+04		1.29		[S57,S58]
DDX6	Probable ATP-dependent RNA helicase DDX6	2.06E+04	1.76E+04		0.86		[S59]
DDX17	Probable ATP-dependent RNA helicase DDX17	1.26E+05	1.26E+05	4.71E+04	1.00	0.38	[S55,S57]
DDX21	Nucleolar RNA helicase 2	2.78E+04	3.15E+04		1.13		[S57,S60]
DDX27	Probable ATP-dependent RNA helicase DDX27		1.43E+04		S2 only		[S57,S61]
DDX39B	Spliceosome RNA helicase DDX39B	2.06E+05	2.50E+05	9.15E+04	1.21	0.44	[S62]
DDX60	Probable ATP-dependent RNA helicase DDX60		5.07E+03		S2 only		[S63]
DEK	Protein DEK	1.03E+05	7.87E+04		0.76		[S64]
DEPTOR	DEP domain-containing mTOR-interacting protein		9.73E+03		S2 only		[S65]
DHX9	ATP-dependent RNA helicase A	2.90E+05	1.39E+05	4.74E+04	0.48	0.16	[S66]
DOCK10	Dedicator of cytokinesis protein 10		6.13E+03		S2 only		[S67]
DPYD	Dihydropyrimidine dehydrogenase	2.96E+04	5.72E+04	1.99E+04	1.93	0.67	[S68]
DSTN	Destrin		9.10E+03		S2 only		[S69]
DYNC1H1	Cytoplasmic dynein 1 heavy chain 1	3.40E+04	7.63E+04		2.24		[S70]
ECM1	Extracellular matrix protein 1			7.03E+04		S3 only	[S71]
EEF1D	Elongation factor 1-δ	2.33E+04	1.20E+05	4.90E+04	5.12	2.10	[S72]
EFHD2	EF-hand domain-containing protein D2	6.58E+04	9.46E+04		1.44		[S73]
EHD1	EH domain-containing protein 1	3.50E+04	1.97E+04		0.56		[S74]
EIF3B	Eukaryotic translation initiation factor 3B	7.93E+04	6.18E+04	2.32E+04	0.78	0.29	[S75]
EIF3D	Eukaryotic translation initiation factor 3D	4.72E+04	3.64E+04	3.08E+04	0.77	0.65	[S76]

EIF3H	Eukaryotic translation initiation factor 3H		6.13E+04		S2 only		[S77]
EIF4A1	Eukaryotic translation initiation factor 4A-I	4.14E+05	5.09E+05	1.35E+05	1.23	0.33	[S78]
EIF4A2	Eukaryotic translation initiation factor 4A-II	6.40E+04	2.95E+04		0.46		[S78]
EIF4A3	Eukaryotic translation initiation factor 4A-III	6.17E+04	7.28E+04	4.43E+03	1.18	0.07	[S78]
EIF4E	Eukaryotic translation initiation factor 4E	6.80E+04	5.50E+04		0.81		[S79]
EIF4G1	Eukaryotic translation initiation factor 4γ1	1.72E+05	1.25E+05		0.72		[S80]
EIF5B	Eukaryotic translation initiation factor 5B	2.62E+04	1.84E+04		0.70		[S81]
EIF6	Eukaryotic translation initiation factor 6	1.22E+05	4.85E+04	7.99E+04	0.40	0.65	[S82]
ELF1	ETS-related transcription factor Elf-1	3.10E+04	1.93E+04		0.62		[S83]
ERP44	Endoplasmic reticulum resident protein 44	2.32E+04	7.05E+04		3.05		[S84]
FABP5	Fatty acid-binding protein 5	3.33E+04		8.58E+04		2.58	[S85]
FAM114A1	Protein NOXP20 (family with sequence similarity 114 member A1)		8.31E+03		S2 only		[S86]
FLOT1	Flotillin-1		3.94E+04		S2 only		[S87]
FLOT2	Flotillin-2		2.21E+04		S2 only		[S88]
FMNL1	Formin-like protein 1	3.55E+04	1.91E+04		0.54		[S89]
FOXK1	Forkhead box protein K1		1.22E+04		S2 only		[S32]
FUBP1	Far upstream element-binding protein 1	1.67E+05	1.25E+05	5.25E+04	0.75	0.31	[S90]
G3BP1	Ras GTPase-activating protein-binding protein 1	1.68E+05	2.91E+04	2.96E+04	0.17	0.18	[S91]
GALM	Galactose mutarotase		3.39E+04		S2 only		[S92]
GGCT	γ-glutamylcyclotransferase		3.25E+03	1.12E+05	S2 only	S3 only	[S93]
GGH	γ-glutamyl hydrolase		5.86E+03	8.09E+04	S2 only	S3 only	[S94]

GGT5	Glutathione hydrolase 5 proenzyme		4.55E+04		S2 only		[S95]
GLRX3	Glutaredoxin-3		5.70E+03		S2 only		[S96]
GMFG	Glia maturation factor γ	1.98E+05	1.54E+05		0.78		[S97]
GNAS	Guanine nucleotide-binding protein G(s) subunit α isoforms short	1.15E+04	3.58E+04		3.11		[S98]
GNL3	Guanine nucleotide-binding protein-like 3 (G protein nucleolar 3)		1.45E+04		S2 only		[S99]
GOLT1B	Vesicle transport protein GOT1B (Golgi transporter 1 homolog B)		7.72E+03		S2 only		[S100]
GPNCB	Transmembrane glycoprotein NMB		1.20E+04		S2 only		[S101]
GRB2	Growth factor receptor-bound protein 2	1.77E+05	1.26E+05		0.71		[S102]
GSTO1	Glutathione S-transferase ω -1	1.19E+05	1.18E+05		0.99		[S103]
GTPBP4	GTP-binding protein 4		2.12E+04		S2 only		[S104]
HDGF	Hepatoma-derived growth factor	4.95E+04	1.89E+04	9.09E+04	0.38	1.83	[S58]
HMGA1	High mobility group protein HMG-I/HMG-Y	3.27E+05	1.21E+05	1.55E+05	0.37	0.47	[S105]
HNRNPA1	Heterogeneous nuclear ribonucleoprotein A1	3.28E+05	3.04E+05	7.28E+04	0.93	0.22	[S106]
HNRNPA2B1	Heterogeneous nuclear ribonucleoproteins A2/B1	1.07E+06	1.06E+06	4.12E+05	0.99	0.38	[S107]
HNRNPAB	Isoform 2 of heterogeneous nuclear ribonucleoprotein A/B		2.56E+04	1.72E+04	S2 only	S3 only	[S108]
HNRNPC	Heterogeneous nuclear ribonucleoproteins C1/C2	1.87E+05	2.42E+05	9.71E+04	1.30	0.52	[S102]
HNRNPF	Heterogeneous nuclear ribonucleoprotein F		1.29E+04	5.05E+04	S2 only	S3 only	[S109]
HNRNPK	Heterogeneous nuclear ribonucleoprotein K	5.86E+05	3.72E+05	2.33E+05	0.63	0.40	[S110]

HNRNPL	Heterogeneous nuclear ribonucleoprotein L	3.06E+04	2.94E+04	1.72E+04	0.96	0.56	[S111]
HNRNPM	Heterogeneous nuclear ribonucleoprotein M	2.00E+05	1.86E+05	1.20E+05	0.93	0.60	[S112]
HNRNPUL1	Heterogeneous nuclear ribonucleoprotein U-like protein 1	2.15E+04	1.49E+04		0.69		[S113]
HPRT1	Hypoxanthine-guanine phosphoribosyltransferase	2.02E+05	1.28E+05		0.63		[S114]
HSP90AA1	Heat shock protein HSP 90- α	8.11E+04	9.18E+04	2.84E+04	1.13	0.35	[S43]
IDH3A	Isocitrate dehydrogenase subunit α , mitochondrial	3.45E+04	4.70E+04		1.36		[S115]
IFI16	γ -interferon-inducible protein 16	4.36E+04	1.62E+04		0.37		[S116]
IGF2BP3	ILGF 2 mRNA-binding protein 3		9.94E+03		S2 only		[S81]
ILK	Integrin-linked protein kinase		6.61E+03		S2 only		[S117]
IMPA2	Inositol monophosphatase 2			5.73E+04		S3 only	[S118]
IMPDH2	Inosine-5'-monophosphate dehydrogenase 2	6.03E+04	6.35E+04	5.00E+04	1.05	0.83	[S119]
IPO5	Importin-5		7.65E+03		S2 only		[S120]
IQGAP1	Ras GTPase-activating-like protein IQGAP1	2.71E+05	3.72E+05	5.58E+04	1.37	0.21	[S121]
KIAA1217	Sickle tail protein homolog		1.00E+04		S2 only		[S122]
KIF2A	Kinesin-like protein KIF2A		1.29E+04	6.51E+04	S2 only	S3 only	[S123]
KIF5B	Kinesin-1 heavy chain		1.37E+04		S2 only		[S124]
KMT5A	N-lysine methyltransferase KMT5A (SET domain containing protein 8)			7.10E+04		S3 only	[S125]
KRT8	Keratin, type II cytoskeletal 8		1.94E+04	2.87E+05	S2 only	S3 only	[S126, S127]
KRT17	Keratin, type I cytoskeletal 17	1.71E+05	6.04E+03	1.97E+06	0.04	11.52	[S126]
KRT80	Keratin, type II cytoskeletal 80	3.65E+06	5.92E+06	3.60E+07	1.62	9.86	[S126, S128]

LASP1	LIM and SH3 domain protein 1	1.34E+05	1.10E+05	4.14E+04	0.82	0.31	[S37,S129]
LPP	Lipoma-preferred partner	3.18E+04	4.15E+04		1.31		[S61]
LRP1	Prolow-density lipoprotein receptor-related protein 1		5.66E+04		S2 only		[S43]
LRPPRC	Leucine-rich PPR motif-containing protein, mitochondrial	3.62E+04	4.58E+04		1.27		[S130]
LYPLA1	Acyl-protein thioesterase 1	3.33E+04	4.18E+04	4.29E+04	1.25	1.29	[S131]
MAP4	Microtubule-associated protein 4	5.19E+04	4.83E+04	7.93E+03	0.93	0.15	[S132]
MBD2	Methyl-CpG-binding domain protein 2	1.94E+04	1.30E+04		0.67		[S133]
MCM2	DNA replication licensing factor MCM2		8.49E+03		S2 only		[S134]
MCM5	DNA replication licensing factor MCM5	5.08E+04	6.43E+03		0.13		[S60]
MCM6	DNA replication licensing factor MCM6		1.06E+04		S2 only		[S135]
MDC1	Mediator of DNA damage checkpoint protein 1	1.32E+04	3.66E+03		0.28		[S136]
MEF2D	Myocyte-specific enhancer factor 2D	1.37E+04	1.28E+04		0.93		[S137]
MFGE8	Lactadherin		7.87E+03		S2 only		[S138]
MIA3	Transport and Golgi organization protein 1 (melanoma inhibitory activity member 3)		4.33E+03		S2 only		[S139]
MRE11	Double-strand break repair protein MRE11	3.91E+04	8.70E+03		0.22		[S140]
MRPL13	Large ribosomal subunit protein uL13m	8.47E+03	7.45E+03		0.88		[S141]
MRPS23	Small ribosomal subunit protein mS23		6.92E+03		S2 only		[S142]
MTA2	Metastasis-associated protein MTA2	4.04E+04	2.26E+04		0.56		[S79]
MTAP	S-methyl-5'-thioadenosine phosphorylase		2.23E+04		S2 only		[S143]
MTDH	Protein LYRIC	2.07E+05	1.31E+05		0.63		[S144]

MTHFD2	Bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydrolase, mitochondrial		1.06E+04		S2 only		[S117]
MYADM	Myeloid-associated differentiation marker	1.46E+04	4.35E+04	2.35E+04	2.98	1.61	[S145]
MYL9	Myosin regulatory light polypeptide 9	2.17E+04	1.51E+04	3.11E+04	0.70	1.43	[S121]
MYLK	Myosin light chain kinase, smooth muscle		1.87E+04	1.47E+04	S2 only	S3 only	[S146]
NAT10	RNA cytidine acetyltransferase	3.01E+04	1.94E+04		0.64		[S127]
NCOA5	Nuclear receptor coactivator 5		2.28E+04		S2 only		[S147]
NCSTN	Nicastrin		1.49E+04		S2 only		[S148]
NDRG1	Protein NDRG1		2.09E+04		S2 only		[S149]
NELFB	Isoform 2 of Negative elongation factor B		9.75E+03		S2 only		[S150]
NENF	Neudesin		2.15E+04		S2 only		[S151]
NES	Nestin		9.49E+03		S2 only		[S152]
NPM1	Nucleophosmin		1.35E+04		S2 only		[S108]
NRBP1	Nuclear receptor-binding protein		9.24E+03		S2 only		[S153]
NRP1	Neuropilin-1		1.15E+04		S2 only		[S154]
NSUN2	RNA cytosine C(5)-methyltransferase NSUN2	1.90E+04	1.31E+04		0.69		[S155]
NUDT5	ADP-sugar pyrophosphatase (nucleotide diphosphate hydrolase type 5)	4.33E+04	2.66E+04	4.63E+04	0.62	1.07	[S156]
OGN	Mimecan (osteoglycin)		1.29E+05	5.79E+04	S2 only	S3 only	[S157]
OLA1	Obg-like ATPase 1	5.24E+04	4.31E+04		0.82		[S158]
OTUB1	Ubiquitin thioesterase OTUB1	2.46E+04	1.76E+04		0.72		[S159]

P4HB	Protein disulfide-isomerase (prolyl 4-hydroxylase subunit β)	1.18E+05	1.49E+05		1.26		[S160]
PA2G4	Proliferation-associated protein 2G4	6.32E+04	3.30E+04		0.52		[S161]
PADI2	Protein-arginine deiminase type-2		8.11E+03		S2 only		[S162]
PAFAH1B3	Platelet-activating factor acetylhydrolase IB subunit α 1	2.55E+04	2.06E+04		0.81		[S163]
PAICS	Bifunctional phosphoribosylaminoimidazole carboxylase/phosphoribosylaminoimidazole succinocarboxamide synthetase	5.27E+04	2.69E+04	3.80E+04	0.51	0.72	[S164]
PAPSS2	Bifunctional 3'-phosphoadenosine 5'-phosphosulfate synthase 2		6.14E+03		S2 only		[S165]
PARP1	Poly [ADP-ribose] polymerase 1	1.13E+05	7.53E+04	1.81E+04	0.67	0.16	[S166]
PBXIP1	Pre-B-cell leukemia transcription factor-interacting protein 1	1.70E+04	1.26E+04		0.74		[S167]
PCCA	Propionyl-CoA carboxylase α chain, mitochondrial		1.56E+04		S2 only		[S168]
PCMT1	Protein-L-isoaspartate(D-aspartate) O-methyltransferase		4.54E+03		S2 only		[S169]
PCNP	PEST proteolytic signal-containing nuclear protein	7.48E+04	3.23E+04		0.43		[S52]
PDCD10	Programmed cell death protein 10	7.37E+04	4.42E+04		0.60		[S170]
PFDN1	Prefoldin subunit 1	5.88E+04	2.05E+04		0.35		[S171]
PITPNM1	Membrane-associated phosphatidylinositol transfer protein 1 (lipid-transfer protein Nir2)		1.38E+04		S2 only		[S172]
PLEC	Plectin	1.40E+05	3.59E+05	1.88E+05	2.56	1.34	[S173]

PLOD3	Multifunctional procollagen lysine hydroxylase and glycosyltransferase LH3 (procollagen-lysine, 2-oxoglutarate 5-dioxygenase 3)		2.08E+04		S2 only		[S174]
PML	Protein PML	4.16E+04	4.73E+04	6.07E+04	1.14	1.46	[S175]
PNN	Pinin	1.40E+05	5.32E+04	1.20E+05	0.38	0.86	[S176]
PPA1	Inorganic pyrophosphatase	1.22E+05	1.36E+05		1.11		[S177]
PRDX1	Peroxiredoxin-1	5.27E+05	6.14E+05	6.63E+05	1.16	1.26	[S178]
PRDX2	Peroxiredoxin-2	1.40E+05	3.34E+05	2.27E+05	2.38	1.62	[S179]
PRDX4	Peroxiredoxin-4	1.49E+05	5.30E+05	8.06E+04	3.55	0.54	[S180]
PRDX5	Peroxiredoxin-5, mitochondrial	8.11E+04	5.72E+04	2.10E+04	0.71	0.26	[S181]
PRDX6	Peroxiredoxin-6	6.95E+04	4.87E+04		0.70		[S182]
PRKDC	DNA-dependent PK catalytic subunit	6.15E+04	5.69E+04	1.35E+05	0.93	2.20	[S128]
PSMA2	Proteasome subunit α type-2	2.49E+04	4.65E+04	4.03E+04	1.86	1.62	[S183]
PSMD13	26S proteasome non-ATPase regulatory subunit 13		6.41E+03		S2 only		[S184]
PSMD14	26S proteasome non-ATPase regulatory subunit 14	8.88E+04	3.25E+04		0.37		[S130]
PSPC1	Paraspeckle component 1	1.04E+04	1.97E+04		1.90		[S185]
PTBP1	Polypyrimidine tract-binding protein 1	2.15E+04	2.19E+05	4.63E+04	10.17	2.15	[S174]
PTPN11	Tyrosine-protein phosphatase non-receptor type 11 (Src homology region 2-containing protein tyrosine phosphatase 2)		3.88E+04		S2 only		[S186]
PTPRE	Receptor-type tyrosine-protein phosphatase ϵ		1.59E+04		S2 only		[S187]
PURA	Transcriptional activator protein Pur- α	6.86E+04	5.85E+04	7.19E+04	0.85	1.05	[S188]

PYCR1	Pyrroline-5-carboxylate reductase 1, mitochondrial		8.51E+03		S2 only		[S189]
PYGB	Glycogen phosphorylase, brain form	4.57E+04	3.40E+04		0.74		[S190]
QSOX1	Sulfhydryl oxidase 1		5.46E+03		S2 only		[S191]
RAB1A	Ras-related protein Rab-1A	3.01E+04	3.10E+04		1.03		[S192]
RAB3D	Ras-related protein Rab-3D		2.55E+03		S2 only		[S193]
RAB14	Ras-related protein Rab-14	1.64E+04	3.18E+04		1.94		[S194]
RAB18	Ras-related protein Rab-18	2.57E+04	3.00E+04		1.17		[S195]
RABL6	Rab-like protein 6		1.11E+04		S2 only		[S196]
RAC1	Ras-related C3 botulinum toxin substrate 1		1.97E+04		S2 only		[S67]
RAD50	DNA repair protein RAD50		9.65E+03		S2 only		[S140]
RAN	GTP-binding nuclear protein Ran	3.53E+05	1.27E+05	6.56E+03	0.36	0.02	[S197]
RANBP1	Ran-specific GTPase-activating protein (Ran binding protein 1)		5.84E+04		S2 only		[S198]
RBM3	RNA-binding protein 3	4.12E+04	4.60E+04		1.12		[S199]
RBM8A	RNA-binding protein 8A	2.93E+04	3.46E+03		0.12		[S200]
RBM15	RNA-binding protein 15		8.83E+03		1 S2 only		[S201]
RBM25	RNA-binding protein 25	5.26E+04	1.78E+04		0.34		[S202]
RBM39	RNA-binding protein 39	1.90E+04	2.99E+04		1.58		[S203]
RCC2	Protein RCC2	4.26E+04	1.49E+04	4.31E+04	0.35	1.01	[S204]
RECQL (RECQ1)	ATP-dependent DNA helicase Q1	3.16E+04	2.18E+04		0.69		[S205]
RPL15	Large ribosomal subunit protein eL15	3.55E+05	7.47E+05	9.47E+03	2.10	0.03	[S206]

RPL34	Large ribosomal subunit protein eL34	3.26E+04	2.29E+04		0.70		[S29]
RPS7	Small ribosomal subunit protein eS7	2.20E+05	2.26E+05	2.20E+04	1.03	0.10	[S207]
RPS19	Small ribosomal subunit protein eS19	1.86E+05	1.05E+05		0.56		[S208]
RRM2B	Ribonucleoside-diphosphate reductase subunit M2 B		7.22E+03		S2 only		[S209]
RRP15	RRP15-like protein		2.32E+03		S2 only		[S210]
RUVBL1	RuvB-like 1	5.78E+04	5.18E+04		0.90		[S211]
S100A4	Protein S100-A4	1.42E+05	4.92E+04	5.26E+04	0.35	0.37	[S212]
S100A11	Protein S100-A11		1.79E+04	4.68E+04	S2 only	S3 only	[S129]
SAE1	SUMO-activating enzyme subunit 1		7.96E+03		S2 only		[S213]
SCAMP3	Secretory carrier-associated membrane protein 3		8.19E+03		S2 only		[S214]
SEPTIN9 (SEPT9)	Septin-9	2.39E+05	1.51E+05	5.00E+04	0.63	0.21	[S215]
SERPINB3	Serpin B3	1.85E+04	2.15E+04	1.94E+05	1.16	10.50	[S216]
SERPINC1	Antithrombin-III	1.71E+04	6.92E+04		4.04		[S217]
SHTN1	Shootin-1		1.65E+04		S2 only		[S218]
SIPA1	Signal-induced proliferation-associated protein 1		4.73E+03		S2 only		[S219]
SLC1A5	Neutral amino acid transporter B(0)		2.11E+04		S2 only		[S220]
SLC7A5	Large neutral amino acid transporter small subunit 1		6.36E+03		S2 only		[S221]
SMC1A	Structural maintenance of chromosomes protein 1A	1.95E+04	4.66E+04		2.39		[S222]
SMG9	Nonsense-mediated mRNA decay factor SMG9		2.72E+03		S2 only		[S223]
SND1	Staphylococcal nuclease domain-containing protein 1	3.55E+05	2.23E+05	8.96E+04	0.63	0.25	[S144]
SNRPA1	U2 small nuclear ribonucleoprotein A'	4.60E+04	2.86E+04		0.62		[S224]

SNX6	Sorting nexin-6		2.80E+04		S2 only		[S225]
SRI	Sorcin	1.73E+05	2.36E+05		1.37		[S15]
SRSF1	Serine/arginine-rich splicing factor 1	2.26E+05	6.35E+04	8.01E+04	0.28	0.35	[S226]
SRSF3	Serine/arginine-rich splicing factor 3	6.78E+05		3.24E+05		0.48	[S227]
SRSF9	Serine/arginine-rich splicing factor 9	1.59E+04	1.22E+04		0.77		[S228]
SSB	Lupus La protein		1.63E+04		S2 only		[S229]
SSBP1	ssDNA-binding protein, mitochondrial		1.53E+04		S2 only		[S209]
STIL	SCL-interrupting locus protein	3.11E+04		3.32E+05		10.68	[S230]
STMN1	Stathmin	3.53E+05	5.17E+04	8.65E+03	0.15	0.02	[S231]
STRN	Striatin	5.28E+04	1.61E+04		0.31		[S232]
SYPL1	Synaptophysin-like protein 1		1.24E+04	4.41E+04	S2 only	S3 only	[S233]
TALDO1	Transaldolase	2.22E+05	1.93E+05	1.46E+05	0.87	0.66	[S234]
TAP1	Antigen peptide transporter 1		3.22E+04		S2 only		[S235]
TCOF1	Treacle protein	1.36E+05	4.97E+04	7.95E+04	0.37	0.58	[S108,S236]
TGM3	Protein-glutamine γ -glutamyltransferase E	2.20E+04	5.41E+03	2.80E+05	0.25	12.73	[S237]
TKT	Transketolase	8.10E+04	2.07E+05	1.02E+05	2.56	1.26	[S238]
TMEM205	Transmembrane protein 205		8.97E+04		S2 only		[S239]
TNC	Tenascin	4.53E+04	6.20E+05	2.34E+05	13.67	5.17	[S13]
TPD52	Tumor protein D52	3.26E+04	2.98E+04		0.91		[S240]
TRAPPC5	Trafficking protein particle complex subunit 5		4.56E+03		S2 only		[S241]
TRIM28	Transcription intermediary factor 1- β	4.29E+04	4.22E+04		0.98		[S242]
TRIP6	Thyroid receptor-interacting protein 6		4.33E+03		S2 only		[S243]

TXN	Thioredoxin	1.90E+04	2.62E+04	1.28E+05	1.38	6.74	[S244]
TXNRD1	Thioredoxin reductase 1, cytoplasmic		2.09E+04		S2 only		[S244]
UBAP2L	Ubiquitin-associated protein 2-like		8.88E+03		S2 only		[S245]
UCHL3	Ubiquitin carboxyl-terminal hydrolase isozyme L3	1.49E+04	4.61E+03		0.31		[S246]
USP5	Ubiquitin carboxyl-terminal hydrolase 5 (ubiquitin-specific protease 5)	4.13E+04	5.95E+04		1.44		[S247]
USP11	Ubiquitin carboxyl-terminal hydrolase 11 (ubiquitin-specific protease 11)	4.12E+04	7.71E+03	2.32E+04	0.19	0.56	[S248]
USP14	Ubiquitin carboxyl-terminal hydrolase 14 (ubiquitin-specific protease 14)	5.34E+04	2.85E+04		0.53		[S249]
VASP	Vasodilator-stimulated phosphoprotein		3.24E+04		S2 only		[S47]
VCAN	Versican core protein		8.96E+04	1.00E+05	S2 only	S3 only	[S165]
WIPF1 (WIP)	WAS/WASL-interacting protein family member 1 (WASP-interacting protein)	1.76E+05	1.17E+05		0.67		[S250]
XPO1	Exportin-1		1.36E+04		S2 only		[S251]
XPO7	Exportin-7		1.04E+04		S2 only		[S252]
XRN2	5'-3' exoribonuclease 2	3.72E+04	3.41E+04		0.92		[S253]
YBX1	Y-box-binding protein 1		3.66E+04		S2 only		[S155]
YTHDC1	YTH domain-containing protein 1	1.74E+04	1.21E+04		0.69		[S254]
YTHDF2	YTH domain-containing family protein 2		7.94E+03		S2 only		[S161]
YTHDF3	YTH domain-containing family protein 3		1.56E+04		S2 only		[S255]
YWHAE	14-3-3 protein ε	9.37E+04	1.19E+05	4.01E+04	1.27	0.43	[S256]

ZC3HAV1	Zinc finger CCCH-type antiviral protein 1	5.81E+04	4.90E+04	0.84	[S257]
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EMT: epithelial-mesenchymal transition; S2 only: only detected in Stage 2; S3 only: only detected in Stage 3