

SUPPLEMENTARY TABLE S1. PROTEINS FOUND TO HAVE SIGNIFICANTLY DIFFERENT EXPRESSION IN MOUSE EMBRYONIC STEM CELL-DERIVED ASTROCYTE EXTRACELLULAR MATRIX LISTED IN DECREASING NUMBER OF AVERAGE SPECTRA DETECTED

<i>Significantly enriched in fibrous ECM</i>	<i>Average percent of total spectra</i>	<i>Significantly enriched in protoplasmic ECM</i>	<i>Average percent of total spectra</i>
Cytoplasmic dynein 1 heavy chain 1	0.37	Fibronectin	2.25
Vimentin	0.31	Myosin-9	1.27
Spondin-1	0.30	Basement membrane-specific heparan sulfate proteoglycan core protein	0.74
Tubulin beta-2B chain	0.15	Myosin-10	0.66
Latent-transforming growth factor beta-binding protein 1	0.13	Collagen alpha-1 (XII) chain	0.59
Combined horseradish peroxidase	0.11	Protein Ahnak	0.37
Tenascin	0.11	Protein Col6a3	0.32
Neurocan core protein	0.11	Laminin subunit alpha-5	0.29
Versican core protein	0.10	Plectin	0.21
Glia-derived nexin	0.10	Filamin-A	0.21
Protein Fndc1	0.10	Laminin subunit gamma-1	0.2
Heat shock protein HSP 90-beta	0.07	Fibrillin-1	0.17
Keratin, type I cytoskeletal 14	0.07	Laminin subunit beta-2	0.17
Keratin, type II cytoskeletal 5	0.07	Agrin	0.15
Tissue-type plasminogen activator	0.06	Laminin subunit beta-1	0.13
Desmoplakin	0.05	Protein-glutamine gamma-glutamyltransferase 2	0.12
Peroxidasin homolog	0.05	EMILIN-1	0.10
A disintegrin and metalloproteinase with thrombospondin motifs 4	0.05	Fibrillin-2	0.09
Creatine kinase B-type	0.05	Collagen alpha-1 (VI) chain	0.09
Multiple epidermal growth factor-like domains protein 6	0.04	Nidogen-1	0.09
Semaphorin-3A	0.04	Nidogen-2	0.09
T-complex protein 1 subunit delta	0.04	Myosin-11	0.08
Fatty acid synthase	0.04	Laminin subunit alpha-1	0.07
Keratin, type II cytoskeletal 2 epidermal	0.04	Collagen alpha-2 (VI) chain	0.07
Unconventional myosin-Va	0.04	Unconventional myosin-1c	0.06
D-3-phosphoglycerate dehydrogenase	0.04	Periostin	0.06
SPARC-related modular calcium-binding protein 1	0.04	Inter-alpha-trypsin inhibitor heavy chain H5	0.06
Keratin, type I cytoskeletal 10	0.03	Collagen alpha-2 (IV) chain	0.05
Splicing factor, proline and glutamine rich	0.03	Collagen alpha-1 (XVIII) chain	0.05
Transcription activator BRG1	0.03	Collagen alpha-1 (IV) chain	0.05
Ubiquitin-like modifier-activating enzyme 1	0.03	Myosin phosphatase Rho-interacting protein	0.04
Alpha-enolase	0.03	Annexin A1	0.04
Phosphoglycerate kinase 1	0.03	Collagen alpha-1 (V) chain	0.04
Protein Gm20425	0.03	Tubulointerstitial nephritis antigen like	0.04

(continued)

SUPPLEMENTARY TABLE S1. (CONTINUED)

<i>Significantly enriched in fibrous ECM</i>	<i>Average percent of total spectra</i>	<i>Significantly enriched in protoplasmic ECM</i>	<i>Average percent of total spectra</i>
Lamin-B1	0.03	Cytochrome P450 1B1	0.03
Dedicator of cytokinesis protein 1	0.03	Myoferlin	0.03
Junction plakoglobin	0.03	Protein Atp2b4	0.03
Netrin-1	0.03	Sorbin and SH3 domain-containing protein 2	0.03
Mitogen-activated protein kinase kinase kinase 4	0.02	E3 ubiquitin-protein ligase RNF213	0.02
Nuclear pore membrane glycoprotein 210	0.02	Collagen alpha-2 (V) chain	0.02
Low-density lipoprotein receptor-related protein 2	0.02	Transforming growth factor-beta-induced protein ig-h3	0.02
Nascent polypeptide-associated complex subunit alpha	0.02	Dysferlin	0.02
WSC domain-containing protein 1	0.02	Thrombospondin type-1 domain-containing protein 4	0.02
Fructose-biphosphate aldolase C	0.02	Collagen alpha-1 (XIV) chain	0.01
Plakophilin-1	0.02		
14-3-3 protein theta (Fragment)	0.02		
Interleukin enhancer-binding factor 3	0.01		
Bone morphogenetic protein 1	0.01		
Extracellular sulfatase Sulf-2	0.01		
Nephronectin	0.01		
Heat shock protein HSP 90-alpha	0.01		
Transforming growth factor beta-2	0.01		
Microtubule-associated protein 2	0.01		
Phosphoserine aminotransferase	0.01		
Keratin, type I cytoskeletal 16	0.01		
Plectrophin	0.01		
Apolipoprotein E	0.01		
Dynactin subunit 1	0.01		
Multifunctional protein ADE2	0.01		
Fatty acid-binding protein, brain	0.01		
T-complex protein 1 subunit theta	0.01		

*n* = 2.

ECM, extracellular matrix.