SUPPLEMENTAL INFORMATION

Glomerular cell crosstalk influences composition and assembly of extracellular matrix

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Supplementary methods

Non-glomerular cell culture

HEK 293T and human foreskin fibroblasts were cultured until confluent in Dulbecco's Modified Eagle Medium supplemented with 10% foetal calf serum.

Lentiviral production and transduction

Podocytes stably expressing GFP were produced by lentiviral transduction. Briefly, HEK 293T cells were transfected with three plasmids obtained from Addgene (psPAX2 Addgene ID 12260, pMD2.G Addgene ID 12259 and pWPXL Addgene ID 12257) using polyethyleneimine (Sigma-Aldrich). Conditioned medium containing viruses was collected after 5 days following several media changes including an 8 hr incubation with sodium butyrate-containing media to promote virus production. Conditioned media was then used immediately to infect conditionally immortalized podocytes or stored at -80°C. Positive GFP-expressing podocytes were selected using fluorescence-activated cell sorting.

MS data acquisition

Protein samples were resolved by SDS-PAGE and visualized by Coomassie staining. Gel lanes were sliced and subjected to in-gel trypsin digestion as described previously.[1] Liquid chromatography–tandem MS analysis was performed using a nanoACQUITY UltraPerformance liquid chromatography system (Waters, Elstree, UK) coupled online to an LTQ Velos mass spectrometer (Thermo Fisher Scientific, Waltham, MA, USA). Peptides were concentrated and desalted on a Symmetry C_{18} preparative column (20 mm

length, 180 µm inner diameter, 5 µm particle size, 100 Å pore size; Waters). Peptides were separated on a bridged ethyl hybrid C_{18} analytical column (250 mm length, 75 µm inner diameter, 1.7 µm particle size, 130 Å pore size; Waters) using a 45-min linear gradient from 1% to 25% (v/v) acetonitrile in 0.1% (v/v) formic acid at a flow rate of 200 nl/min. Peptides were selected for fragmentation automatically by data-dependent analysis.

MS data analysis

Tandem mass spectra were extracted using extract_msn (Thermo Fisher Scientific) executed in Mascot Daemon (version 2.2.2; Matrix Science, London, UK). Peak list files were searched against a modified version of the IPI Human database (version 3.70; release date, 4 March 2010), containing ten additional contaminant and reagent sequences of non-human origin, using Mascot (version 2.2.03; Matrix Science).[2] Carbamidomethylation of cysteine was set as a fixed modification; oxidation of methionine and hydroxylation of proline and lysine were allowed as variable modifications. Only tryptic peptides were considered, with up to one missed cleavage permitted. Monoisotopic precursor mass values were used, and only doubly and triply charged precursor ions were considered. Mass tolerances for precursor and fragment ions were 0.4 Da and 0.5 Da, respectively. MS datasets were validated using rigorous statistical algorithms at both the peptide and protein level[3 4] implemented in Scaffold (version 3.00.06; Proteome Software, Portland, OR, USA). Protein identifications were accepted upon assignment of at least two unique validated peptides with ≥90% probability, resulting in ≥99% probability at the protein level. These acceptance criteria resulted in an

estimated protein false discovery rate of 0.1% for all datasets.

MS data deposition

The mass spectrometry proteomics data have been deposited to the ProteomeXchange Consortium (http://proteomecentral.proteomexchange.org) via the PRIDE partner repository[5] with the dataset identifier PXD000643. Details of identified ECM proteins are provided in Supplemental Tables S1, S2, and S5.

MS data quantification and statistical analysis

Relative protein abundance was calculated using the unweighted spectral count of a given protein normalized to the total number of spectra observed in the entire sample and to the molecular weight of that protein (normalized spectral count). Mean normalized spectral counts were calculated using data from triplicate GEnC monoculture ECM, podocyte monoculture ECM, and coculture ECM samples. For comparison, equivalent data were extracted from the recently published tissue-derived glomerular ECM proteome. Statistical analysis of the relative abundance of ECM proteins was performed using QSpec[6]. Proteins with Bayes factors ≥10 and natural-logarithm-transformed fold changes ≥1.5 were selected as differentially expressed. These parameters were chosen to provide a conservative false discovery rate estimate of <5% in accordance with the modeled data of Choi *et al*.[6]

Hierarchical clustering analysis

Agglomerative hierarchical clustering was performed using Cluster 3.0 (C

Clustering Library, version 1.37).[7] Quantitative data (mean normalized spectral counts) were used for hierarchical clustering. Protein hits were hierarchically clustered on the basis of uncentered Pearson correlation, and distances between hits were computed using a complete-linkage matrix. Clustering results were visualized using Java TreeView (version 1.1.1)[8] and MultiExperiment Viewer (version 4.1.01).[9]

Functional annotation and enrichment analysis

Proteins identified in at least two of the three biological replicates were included for further analysis. Gene ontology (GO) annotations were downloaded using the online resource DAVID.[10] [11] The GO cellular compartment annotation chart (GOTERM_CC_FAT) was selected, and proteins annotated in the extracellular region cluster were further cross-referenced with the human matrisome project[12], and cytoplasmic proteins annotated as extracellular region (ACTN1, ACTN2, ACTN4, CALM1, CSNK2B, FLNA, GLIPR2, HINT2, HSPD1, RNH1, TLN1, TTN, TUB4A4, and VCL) were excluded. This selection enabled the definition of the GEnC, podocyte, and coculture ECM proteomes, as presented in Supplemental Tables S1, S2, and S5, respectively.

Protein interaction network analysis

Protein interaction network analysis was performed using Cytoscape (version 2.8.1).[13] Proteins identified in at least two biological replicates were mapped onto a merged human interactome built from the Protein Interaction Network Analysis platform *Homo sapiens* network (release date, 28 June 2011) and

Mus musculus network (release date, 28 June 2011),[14] the ECM interactions database MatrixDB (release date, 26 August 2010),[15] and a literature-curated database of integrin-based adhesion–associated proteins.[16] Topological parameters were computed using the NetworkAnalyzer plug-in.[17]

Isolation of RNA

Cells were removed from a confluent 75-cm^2 tissue culture flask using 1 ml RNA Protect (Qiagen, Crawley, UK). RNA was isolated from the cell pellet using the RNAeasy plus kit (Qiagen) according to the manufacturer's instructions. RNA quality and concentration were measured using a NanoDrop 2000 spectrophotometer.

RT-PCR

Approximately 1 µg of RNA was reverse-transcribed using SuperScript III First-Strand Synthesis SuperMix (Life Technologies, Paisley, UK) according to the manufacturer's instructions. Specific oligonucleotide primers were designed based on genomic sequences obtained from the University of California, Santa Cruz, Genome Browser (http://genome.ucsc.edu/). All intronic sequence was removed, and primers were designed to recognize sequences spanning an exon–exon boundary using Primer3 software (version 0.4.0) (http://frodo.wi.mit.edu/primer3/). PCR amplification for each polymorphism was performed using 100 ng cDNA, 0.5 mmol/l each primer, 0.75 mmol/l each deoxynucleoside triphosphate (dNTP) and 0.5 units of *Taq* polymerase, with varying concentrations of Mg^{2+} and with or without 10% (v/v) DMSO, in a total reaction volume of 20 ml PCR buffer (supplied with the *Taq*

polymerase). Cycling conditions were as follows: 94°C for 3 minutes, followed by 32 or 40 cycles of 94°C for 30 seconds, variable annealing temperatures for 30 seconds, 72°C for 30 seconds, followed by a terminal extension step of 72°C for five minutes. Genomic DNA was used as a control, and water for injection was used as a no-template control. Amplification of the product was confirmed by gel electrophoresis using a 2% (w/v) agarose gel and visualized using ethidium bromide. Molecular masses were compared to a standard base-pair ladder. RT-PCR primers used were as follows:

Primer	Sequence (5' to 3')	Mg^{2+} (mM)	Cycles	Product size (base pairs)	Temp (°C)
COLL4A1 CDNA F	GTTGGTCTACCGGGACTCAA	3	32	204	60
COLL4A1 CDNA R	GGCCTATTCCTGGAACTCCT	3	32	204	60
COLL4A3 CDNA F	AGGATTTCGTGGTCCAACAG	3	35	207	62
COLL4A3 CDNA R	CCTCGTTCCCCTTTACTTCC	3	35	207	62
COLL4A4 CDNA F	GAACAAAAGGTGACCCAGGA	5	32	223	60
COLL4A4 CDNA R	ATCCCCTTTTTCTCCAGCAT	5	32	223	60
COLL4A5 CDNA F	AAAGGAGAGCCTGGTGGAAT	5	32	220	60
COLL4A5 CDNA R	CCGGCTGGGTTATAGTCTGA	5	32	220	60
BETA ACTIN CDNA F	GCCGTCTTCCCCTCCATC	3.5	32	322	65
BETA ACTIN CDNA R	CCCCAGCCATGTACGTTGCTA	3.5	32	322	65

q-PCR and relative abundance

For a single reaction 4µl 5X VILO™ Reaction Mix, 2µl 10X SuperScriptR Enzyme Mix, RNA (up to 2.5 µg) and DEPC-treated water to 20 µl were combined and incubated on ice. The tube contents were gently mixed, centrifuged and placed in a thermal cycler. The tubes were incubated at 25°C for 10 minutes followed by 60 minutes at 42°C and 5 minutes at 85°C. cDNA and primer/probe mixes for target gene and endogenous control were briefly vortexed and centrifuged. TaqMan Gene Expression assays for target genes *COL4A1* (Hs00266237_ml) and *COL4A3* (Hs01022542_ml) and endogenous

control *GAPDH* (Hs03929097_gl) were used. 3 replicates were prepared for each of the target genes and one for the endogenous control. The plate was covered with an optical lid centrifuged and placed in the TaqMan 7500. The samples were heated to 50°C for 5 minutes followed by heating to 95°C for 10 minutes. Thermal cycling conditions were as follows; 95°C for 15 seconds followed by 60°C for 1 minute for 40 cycles. Relative abundance (ΔΔCt) was calculated using the system software via the comparative C_T method

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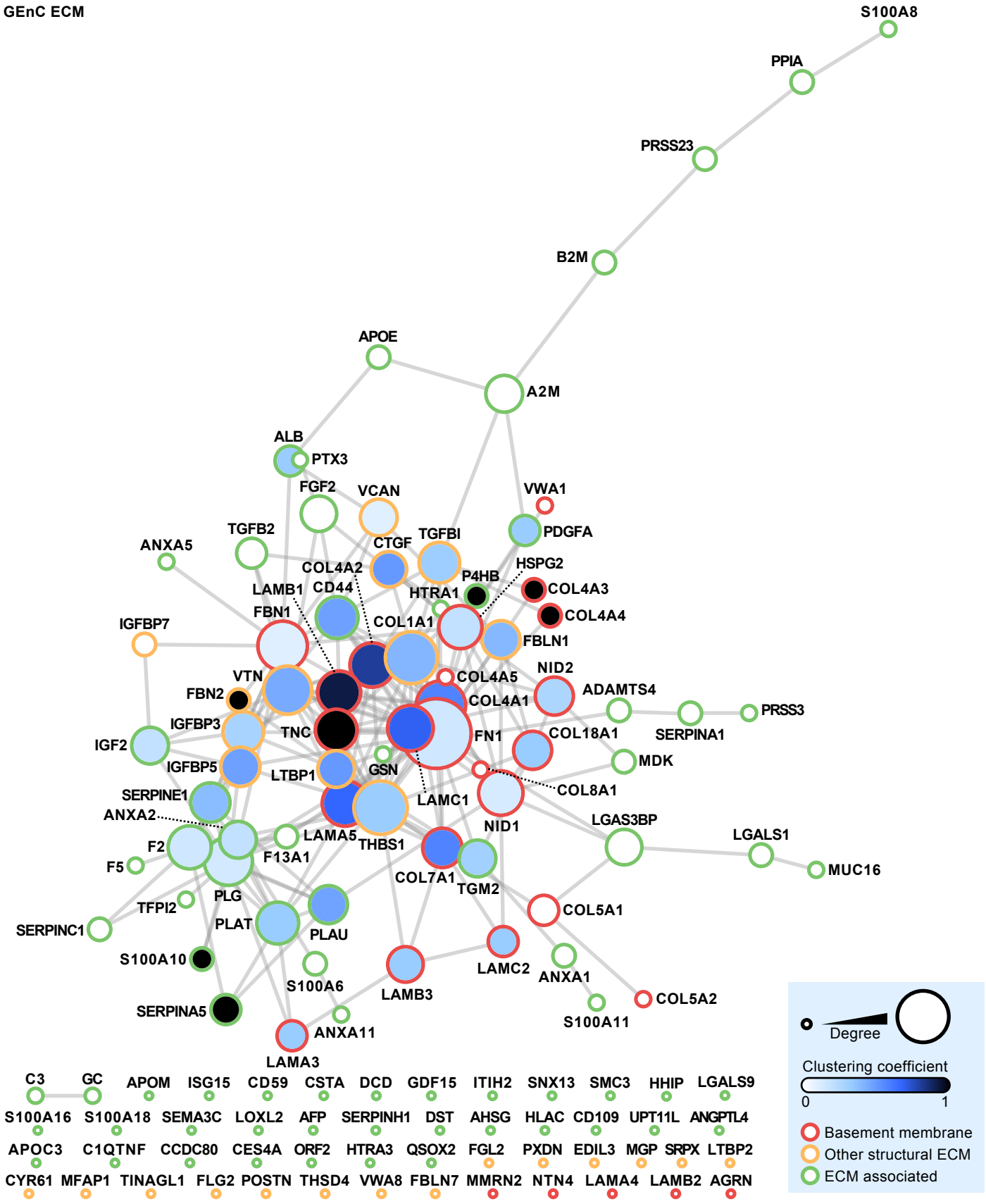
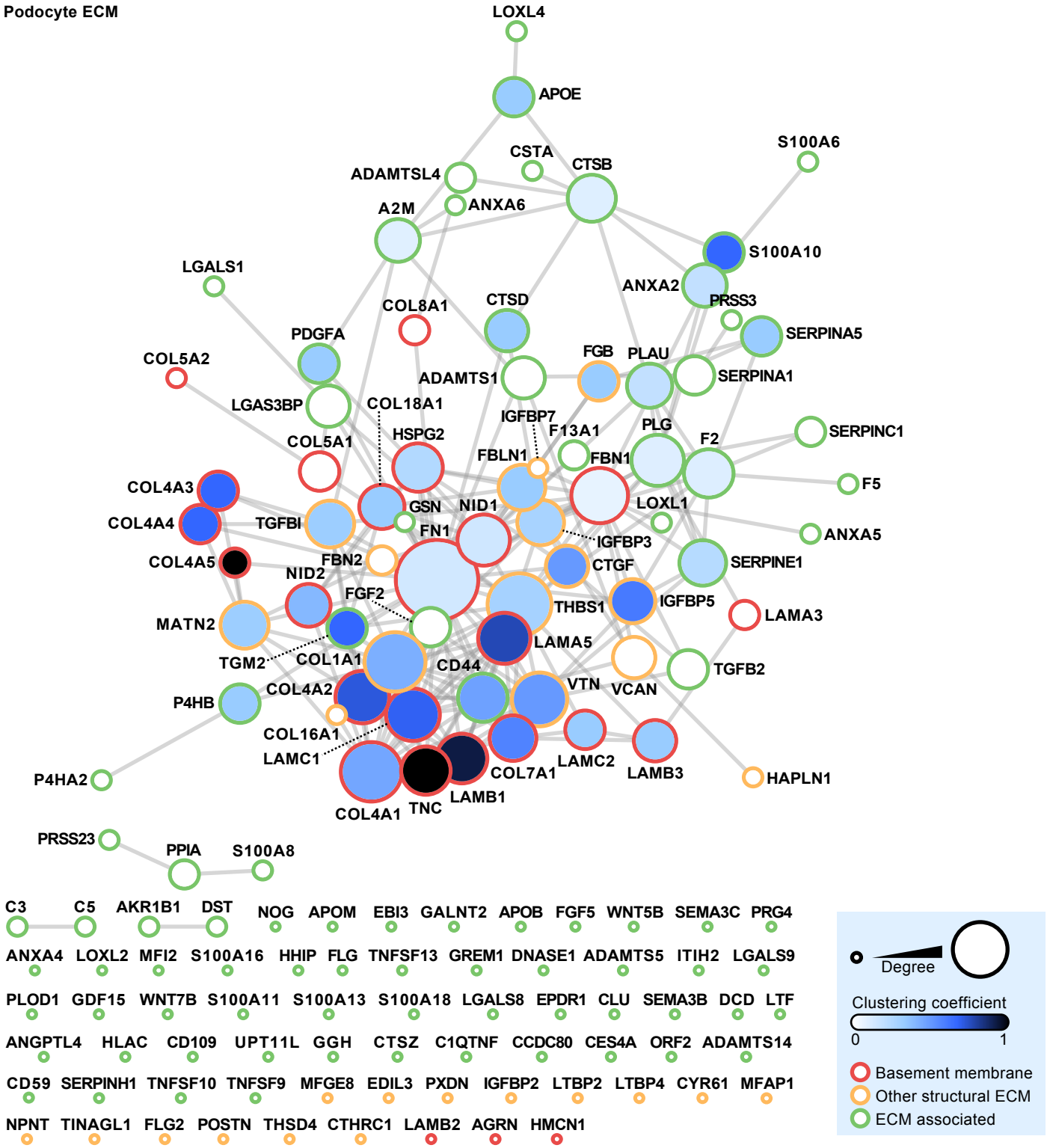
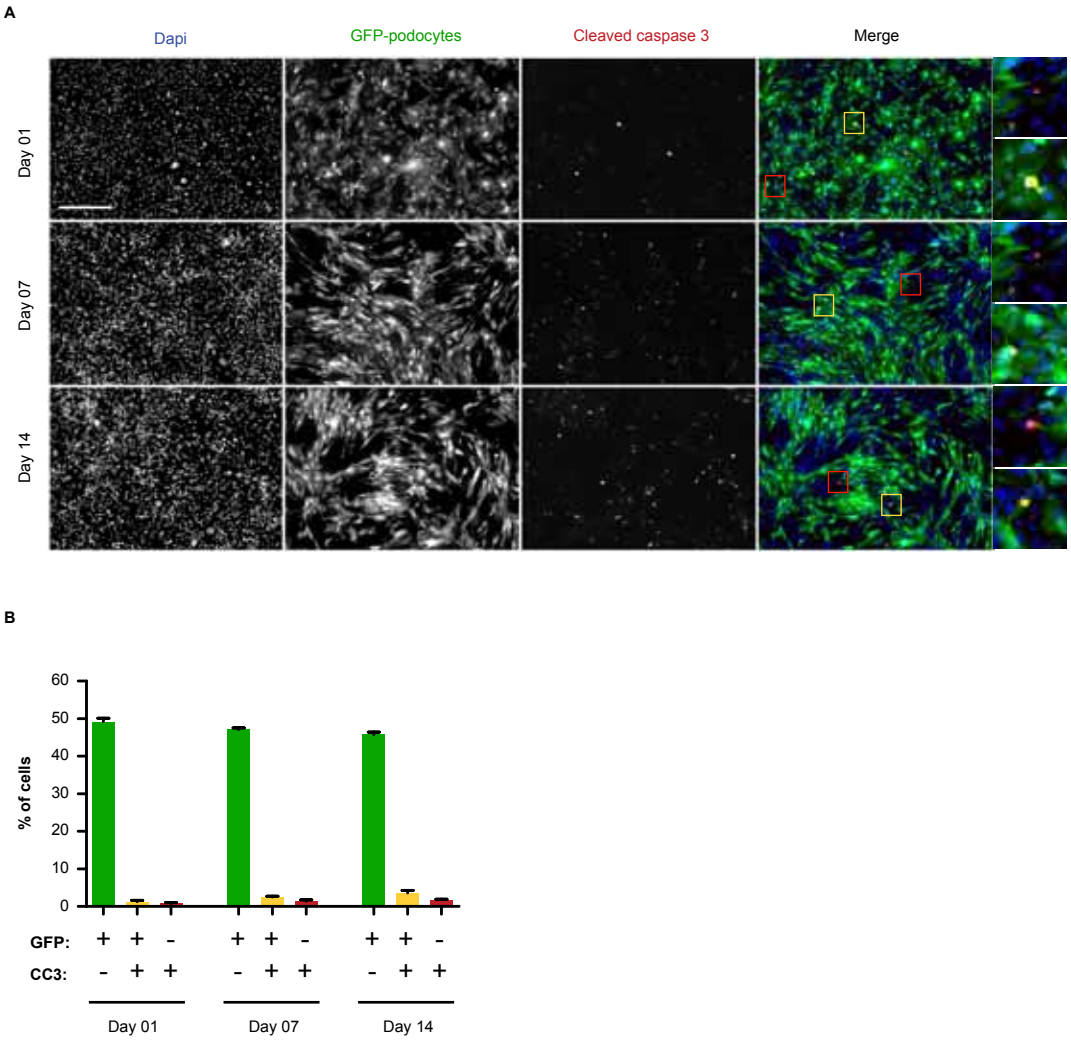


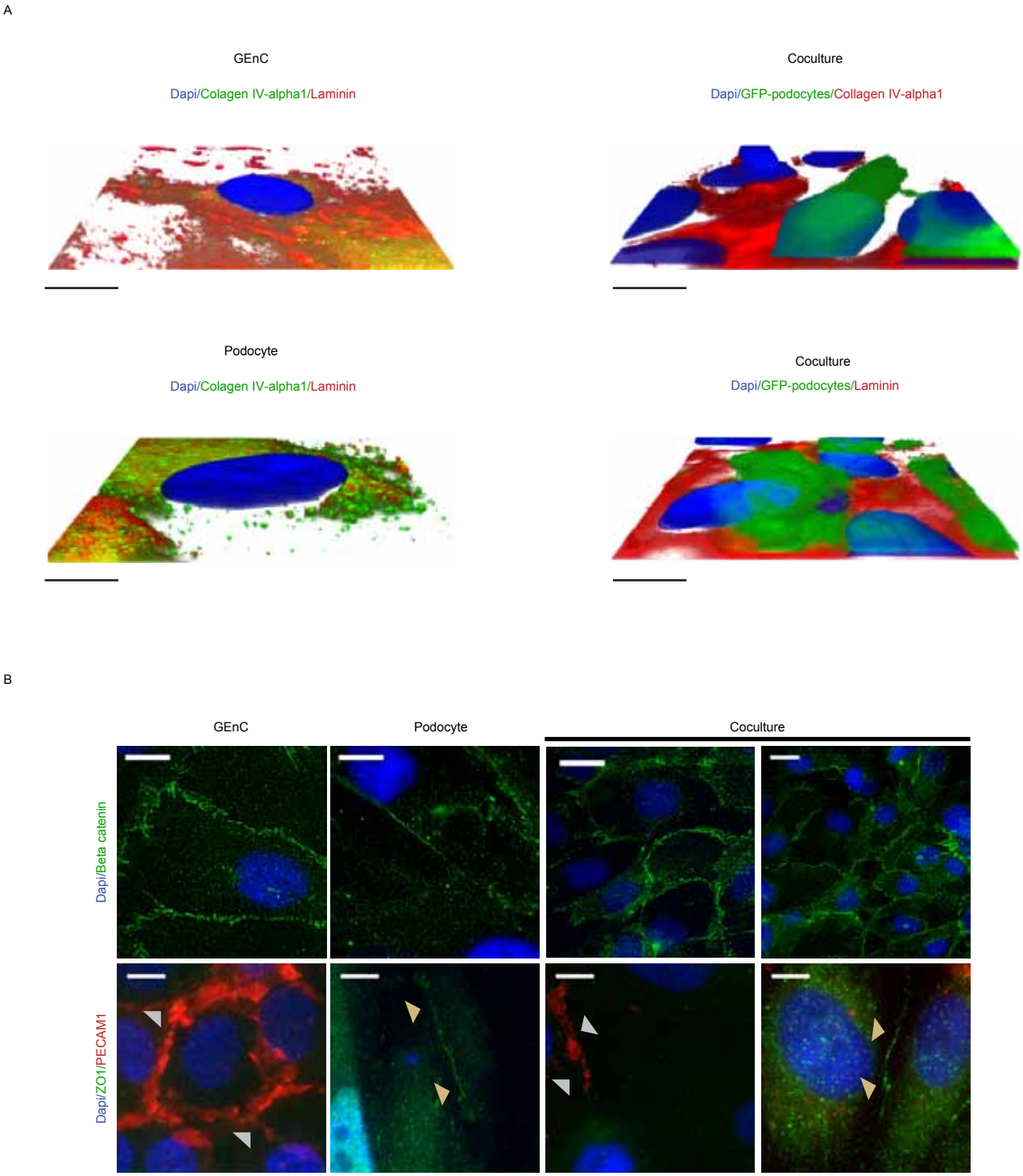
Supplemental Figure S1. GEnC ECM interaction network analysis. Proteins identified by MS and classified as extracellular region according to Gene Ontology annotation were converted to a protein–protein interaction network model. The interaction network was clustered, and topological parameters were computed. Self-interactions were excluded from the analysis. Nodes are colored according to their clustering coefficient, and node diameter is proportional to number of interaction partners (degree). Nodes are labeled with gene names. Proteins classified as basement membrane are displayed with red node borders; other structural ECM proteins are displayed with orange node borders; and ECM-associated proteins are displayed with green node borders.



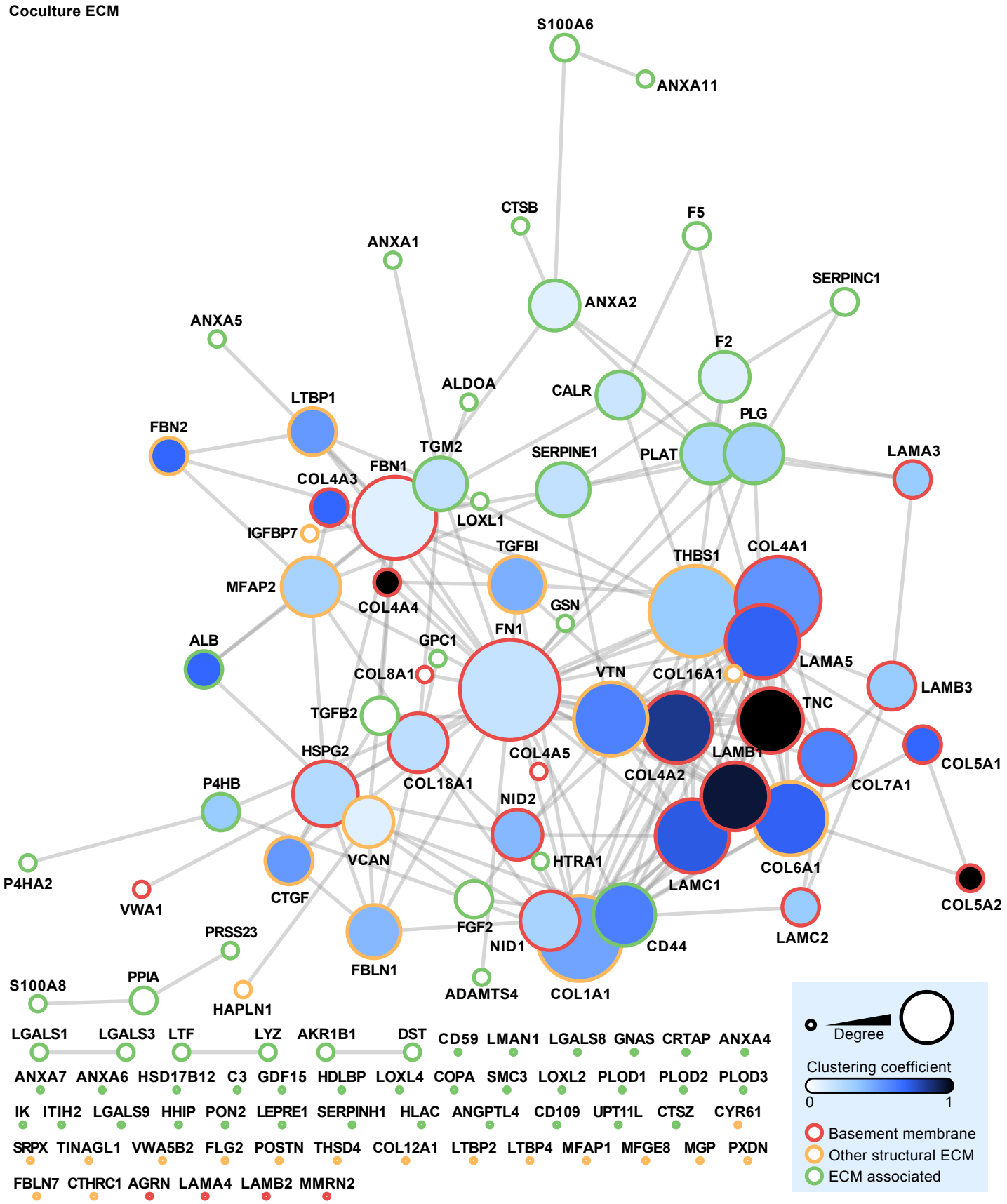
Supplemental Figure S2. Podocyte ECM interaction network analysis. Proteins identified by MS and classified as extracellular region according to Gene Ontology annotation were converted to a protein–protein interaction network model. The interaction network was clustered, and topological parameters were computed. Self-interactions were excluded from the analysis. Nodes are colored according to their clustering coefficient, and node diameter is proportional to number of interaction partners (degree). Nodes are labeled with gene names. Proteins classified as basement membrane are displayed with red node borders; other structural ECM proteins are displayed with orange node borders; and ECM-associated proteins are displayed with green node borders.



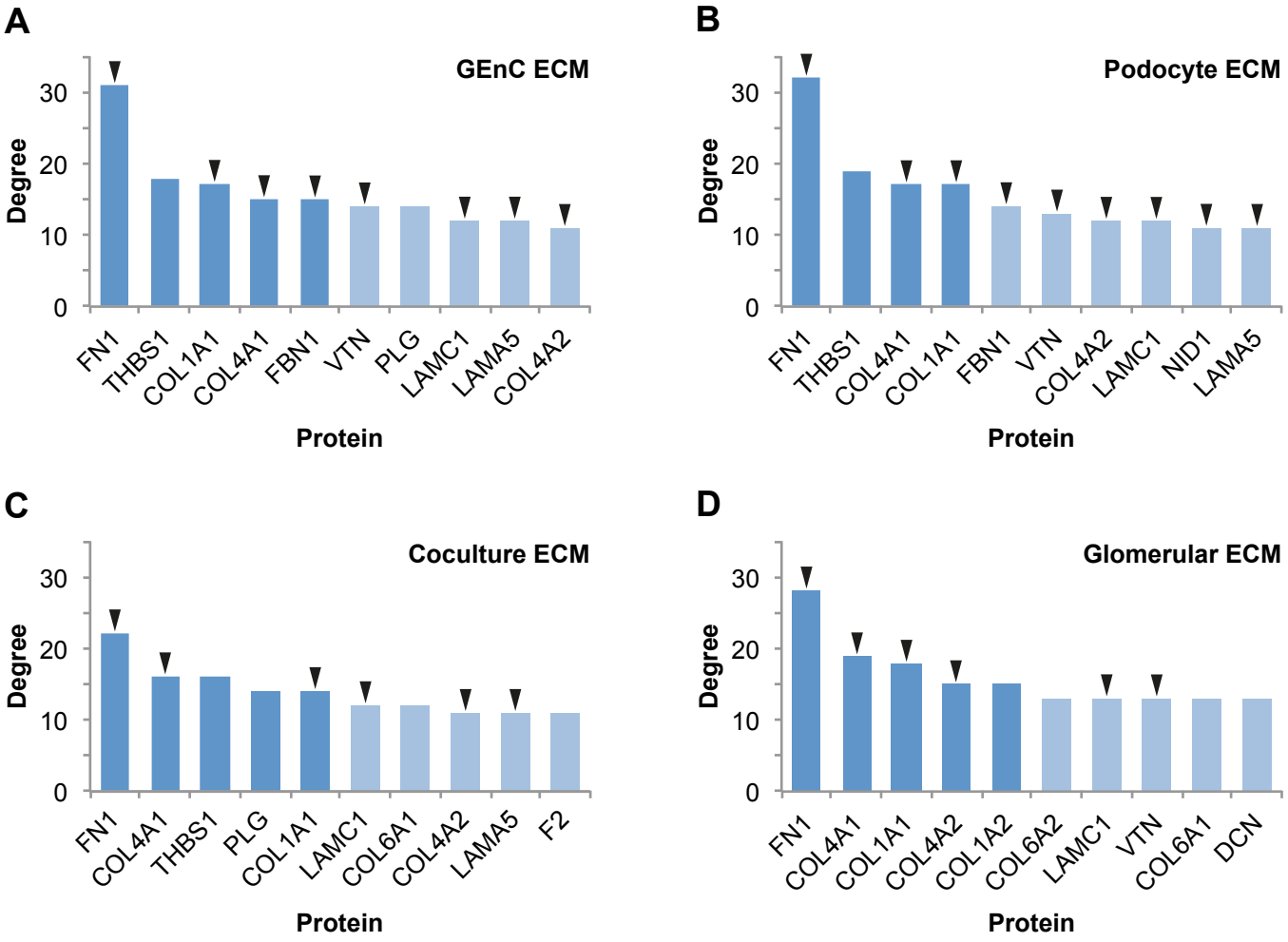
Supplemental Figure S3. Podocytes and GEnC are viable in coculture. (A) We generated podocytes with stable expression of green fluorescent protein (GFP) as described in the Supplemenatry Methods. Both GFP-podocytes and GEnCs were viable in coculture at day 1, day 7 and day 14 and there was minimal detection of the apoptotis marker, cleaved caspase 3. (B) Quantification of the proportion of GFP-positive cells: 49.2 %, 47.1 % and 45.8 % of cells are GFP-podocytes at day 1, day 7 and day 14 respectivley. There was a small increase in apoptosis in both cell types from day 1 to day 14. Numbers of apoptotic GFP-podocytes were greater than GEnCs at day 1; podocyte = 1.3 % and GEnC = 0.7 %; day 7 podocyte = 2.5 % and GEnC = 1.4 %; day 14 podocyte = 3.6 % and GEnC = 1.8 %. Boxes highlight apoptotic podocytes (yellow) and GEnCs (red). *n = 3* replicates with > 300 cells counted per replicate. Scale bar repesents 500 μm.



Supplemental Figure S4. The effects of coculture on ECM deposition and cell-cell junctions. (A) 3D models of ECM deposition were derived as described in the Concise Methods section of the main manuscript. After 14 days of monoculture (left panel) GEnC cultures had more obvious detection of laminin as compared to podocyte cultures in which collagen IV-alpha 1 detection was more evident. In cocultures of GEnC and GFP-expressing podocytes, both collagen and laminin were equally detected (right panel). We did not detect collagen IV-alpha 3 in the ECM of monoculture or cocultured cells. (B) Immunoflourescence staining of cell-cell adhesion molecules; beta catenin was detected at cell-cell junctions between podocytes andGEnC (top panel). PECAM1 (lower panel) was detected exclusively at GEnC cell-cell junctions (silver arrows) and ZO1 was localised to podocyte cell-cell junstions (gold arrows). With these junctional markers we did not observe differences in the appearance of cell-cell junctions between monoculture and coculture. In addition we did not detect changes in the localization of the podocyte cell-junction markers nephrin and podocin (data not shown). Scale bars represent 20μm.



Supplemental Figure S5. Coculture ECM interaction network analysis. Proteins identified by MS and classified as extracellular region according to Gene Ontology annotation were converted to a protein–protein interaction network model. The interaction network was clustered, and topological parameters were computed. Self-interactions were excluded from the analysis. Nodes are colored according to their clustering coefficient, and node diameter is proportional to number of interaction partners (degree). Nodes are labeled with gene names. Proteins classified as basement membrane are displayed with red node borders; other structural ECM proteins are displayed with orange node borders; and ECM-associated proteins are displayed with green node borders.



Supplemental Figure S6. The most connected proteins in the ECM interaction networks. (**A**–**D**) The ten proteins with the highest number of neighbors (degree) in the GEnC ECM (A), podocyte ECM (B), and coculture ECM (C) interaction networks and the *in vivo* glomerular ECM interaction network (D) are plotted as bar charts. The most connected proteins (known as hubs), which incorporated the top 20% of the degree distribution, are indicated by dark blue bars. Self-interactions were excluded from the analysis. Proteins are labeled with gene names. Arrowheads indicate proteins present in all four MS datasets.

Supplemental Table S1. The GEnC ECM proteome.

Cell-derived ECM was isolated from GEnCs and analyzed by MS as described in the methods sections. The proteome of 127 components was categorized as basement membrane, other structural ECM or ECM-associated proteins according to GO annotation. Further classification was applied to denote subtype or predominant cellular compartment or function. Relative protein quantification was determined by normalized spectral count (nSC).

Basement membrane protein	IPI Accession	UniProtKB	Entrez Gene ID	Gene name	MW (kDa)	Abundance (nSC)	Classification
Agrin	IPI00374563	O00468	375790	AGRN	215	0.635	Glycoprotein
Collagen alpha-1(XVIII) chain	IPI00022822	P39060	80781	COL18A1	154	1.458	Collagen
Collagen alpha-1(IV) chain	IPI00743696	P02462	1282	COL4A1	161	2.787	Collagen
Collagen alpha-2(IV) chain	IPI00306322	P08572	1284	COL4A2	168	2.535	Collagen
Collagen alpha-3(IV) chain	IPI00010360	Q01955	1285	COL4A3	162	0.100	Collagen
Collagen alpha-4(IV) chain	IPI00478572	P53420	1286	COL4A4	164	0.001	Collagen
Collagen alpha-5(IV) chain	IPI00021715	P29400	1287	COL4A5	161	0.357	Collagen
Collagen alpha-1(V) chain	IPI00844090	P20908	1289	COL5A1	184	0.202	Collagen
Collagen alpha-2(V) chain	IPI00739099	P05997	1290	COL5A2	145	0.362	Collagen
Collagen alpha-1(VII) chain	IPI00025418	Q02388	1294	COL7A1	295	0.010	Collagen
Collagen alpha-1(VIII) chain	IPI00942464	P27658	1295	COL8A1	73	1.921	Collagen
Fibulin-1	IPI00218803	P23142	2192	FBLN1	77	0.110	Glycoprotein
Fibrillin-1	IPI00328113	P35555	2200	FBN1	312	1.705	Glycoprotein
Fibronectin	IPI00022418	P02751	2335	FN1	263	10.912	Glycoprotein
Perlecan	IPI00943326	P98160	3339	HSPG2	467	6.387	Proteoglycan
Laminin alpha-3 chain variant 1	IPI00377045	Q16787	3909	LAMA3	373	0.026	Glycoprotein
Laminin subunit alpha-4	IPI00329482	Q16363	3910	LAMA4	203	0.445	Glycoprotein
Laminin subunit alpha-5	IPI00783665	O15230	3911	LAMA5	400	0.406	Glycoprotein
Laminin subunit beta-1	IPI00013976	P07942	3912	LAMB1	198	0.908	Glycoprotein
Laminin subunit beta-2	IPI00296922	P55268	3913	LAMB2	196	0.075	Glycoprotein
Laminin subunit beta-3	IPI00299404	Q13751	3914	LAMB3	130	0.048	Glycoprotein
Laminin subunit gamma-1	IPI00298281	P11047	3915	LAMC1	178	0.772	Glycoprotein
Laminin subunit gamma-2	IPI00015117	Q13753	3918	LAMC2	131	0.080	Glycoprotein
Multimerin-2	IPI00015525	Q9H8L6	79812	MMRN2	104	1.580	Glycoprotein
Nidogen-1	IPI00026944	P14543	4811	NID1	136	0.614	Glycoprotein
Nidogen-2	IPI00028908	Q14112	22795	NID2	151	0.131	Glycoprotein
Netrin-4	IPI00328091	Q9HB63	59277	NTN4	70	0.249	Glycoprotein
Tenascin	IPI00031008	P24821	3371	TNC	241	0.215	Glycoprotein
von Willebrand factor A domain-containing protein 1	IPI00396383	Q6PCB0	64856	VWA1	47	0.419	Glycoprotein
Other structural ECM protein	**IPI Accession**	**UniProtKB**	**Entrez Gene ID**	**Gene name**	**MW (kDa)**	**Abundance (nSC)**	**Classification**
Collagen alpha-1(I) chain	IPI00297646	P02452	1277	COL1A1	139	0.077	Collagen
Connective tissue growth factor	IPI00020977	P29279	1490	CTGF	38	5.519	Glycoprotein
Protein CYR61	IPI00299219	O00622	3491	CYR61	42	26.440	Glycoprotein
EGF-like repeat and discoidin I-like domain-containing protein 3	IPI00306046	O43854	10085	EDIL3	54	0.187	Glycoprotein
Fibulin-7	IPI00167710	Q53RD9	129804	FBLN7	47	0.215	Glycoprotein
Fibrillin-2	IPI00019439	P35556	2201	FBN2	315	1.505	Glycoprotein
Fibroleukin	IPI00030075	Q14314	10875	FGL2	50	0.941	Glycoprotein
Filaggrin-2	IPI00397801	Q5D862	388698	FLG2	248	0.130	Cytoskeleton
Insulin-like growth factor-binding protein 3	IPI00018305	P17936	3486	IGFBP3	32	0.066	Glycoprotein
Insulin-like growth factor-binding protein 5	IPI00029236	P25493	3488	IGFBP5	31	0.159	Glycoprotein
Insulin-like growth factor-binding protein 7	IPI00016915	Q16270	3490	IGFBP7	29	1.315	Glycoprotein
Latent-transforming growth factor beta-binding protein 1	IPI00784258	Q14766	4052	LTBP1	187	0.067	Glycoprotein
Latent-transforming growth factor beta-binding protein 2	IPI00292150	Q14767	4053	LTBP2	195	0.025	Glycoprotein
Microfibrillar-associated protein 1	IPI00022790	P55081	4236	MFAP1	52	0.225	Glycoprotein
Matrix Gla protein	IPI00028714	P08493	4256	MGP	12	9.374	Glycoprotein
Periostin, osteoblast specific factor	IPI00410241	B1ALD8	10631	POSTN	90	2.566	Glycoprotein
Peroxidasin homolog	IPI00016112	Q92926	7837	PXDN	165	0.277	Glycoprotein
Sushi repeat-containing protein SRPX	IPI00215899	P78539	8406	SRPX	50	0.053	Glycoprotein
Transforming growth factor-beta-induced protein ig-h3	IPI00018219	Q15582	7045	TGFBI	75	2.818	Glycoprotein
Thrombospondin-1	IPI00296099	P07996	7057	THBS1	129	10.386	Glycoprotein
Thrombospondin type-1 domain-containing protein 4	IPI00794391	Q6ZMP0	79875	THSD4	112	1.317	Glycoprotein
Tubulointerstitial nephritis antigen-like	IPI00005563	Q9GZM7	64129	TINAGL1	52	0.960	Glycoprotein
Versican core protein	IPI00009802	P13611	1462	VCAN	373	0.182	Proteoglycan
Vitronectin	IPI00298971	P04004	7448	VTN	54	1.827	Glycoprotein
von Willebrand factor A domain-containing protein 8	IPI00946725	E2QRD0	23078	VWA8	211	0.013	Glycoprotein
ECM-associated protein	**IPI Accession**	**UniProtKB**	**Entrez Gene ID**	**Gene name**	**MW (kDa)**	**Abundance (nSC)**	**Classification**
Alpha-2-macroglobulin	IPI00478003	P01023	2	A2M	163	0.290	Protease inhibitor
A disintegrin and metalloproteinase with thrombospondin motifs 4	IPI00307276	O75173	9507	ADAMTS4	90	0.189	Protease
Alpha-fetoprotein	IPI00022443	P02771	174	AFP	69	0.147	Secreted
Alpha-2-HS-glycoprotein	IPI00022431	B7Z8Q2	197	AHSG	47	3.799	Secreted
Serum albumin	IPI00745872	P02768	213	ALB	69	9.425	Secreted
Angiopoietin-related protein 4	IPI00153060	Q9BY76	51129	ANGPTL4	45	1.683	Secreted
Annexin A1	IPI00218918	P04083	301	ANXA1	39	0.364	Annexin
Annexin A11	IPI00909703	E9PDK5	311	ANXA11	46	0.068	Annexin
Annexin A2	IPI00418169	P07355	302	ANXA2	40	2.821	Annexin
Annexin A5	IPI00329801	P08758	308	ANXA5	36	0.047	Annexin
Apolipoprotein C-III variant 1	IPI00657670	B0YIW2	345	APOC3	13	0.163	Secreted
Apolipoprotein E	IPI00021842	P02649	348	APOE	36	1.066	Apolipoprotein
Apolipoprotein M	IPI00514397	Q5SRP5	55937	APOM	14	0.302	Apolipoprotein
Beta-2-microglobulin	IPI00004656	P61769	567	B2M	14	0.445	Secreted
Complement C1q tumor necrosis factor-related protein 3	IPI00742875	E9PGA6	114899	C1QTNF	31	0.652	Secreted
Complement C3 (Fragment)	IPI00783987	P01024	718	C3	187	0.123	Complement
Coiled-coil domain-containing protein 80	IPI00260630	Q76M96	151887	CCDC80	108	0.054	Secreted
CD109 antigen	IPI00152540	Q6YHK3	135228	CD109	162	0.171	Cell surface
CD44 antigen	IPI00305064	P16070	960	CD44	82	0.636	Cell surface
CD59 glycoprotein	IPI00011302	P13987	966	CD59	14	4.482	Cell surface
Isoform 4 Carboxylesterase 8	IPI00167706	Q5XG92	283848	CES4A	42	0.124	Enzyme
Cystatin-A	IPI00032325	P01040	1475	CSTA	11	2.022	Protease inhibitor
Dermcidin isoform 2	IPI00847793	A5JHP3	117159	DCD	12	6.513	Secreted
Dystonin	IPI00642259	Q03001	667	DST	857	0.005	Plakin
Coagulation factor XIII A chain	IPI00297550	P00488	2162	F13A1	83	0.032	Coagulation
Prothrombin (Fragment)	IPI00019568	P00734	2147	F2	70	0.309	Coagulation
Coagulation factor V	IPI00478809	P12259	2153	F5	252	0.167	Coagulation
Heparin-binding growth factor 2	IPI00946154	P09038	2247	FGF2	31	1.818	Secreted
Vitamin D-binding protein	IPI00555812	P02774	2638	GC	53	0.080	Secreted

ECM-associated protein, cont.	IPI Accession	UniProtKB	Entrez Gene ID	Gene name	MW (kDa)	Abundance (nSC)	Classification
Growth/differentiation factor 15	IPI00306543	Q99988	9518	GDF15	34	4.169	Secreted
Gelsolin	IPI00646773	P06396	2934	GSN	81	0.982	Cytoskeleton
Hedgehog-interacting protein precursor	IPI00045106	Q96QV1	64399	HHIP	98	1.873	Cell surface
HLA class I histocompatibility antigen, Cw-7 alpha chain	IPI00940896	F5GXA6	3105	HLAC	44	0.324	Cell surface
Serine protease HTRA1	IPI00003176	Q92743	5654	HTRA1	51	2.716	Protease
Serine protease HTRA3	IPI00027862	P83110	94031	HTRA3	49	0.134	Protease
Insulin-like growth factor 2 isoform 2	IPI00215977	C9JAF2	3481	IGF2	26	0.421	Secreted
Interferon-induced 17 kDa protein	IPI00375631	P05161	9636	ISG15	18	0.690	Secreted
Inter-alpha-trypsin inhibitor heavy chain H2	IPI00305461	P19823	3698	ITIH2	106	0.279	Protease inhibitor
Galectin-1	IPI00219219	P09382	3956	LGALS1	15	4.089	Secreted
Galectin-9	IPI00010477	O00182	3965	LGALS9	40	0.798	Secreted
Galectin-3-binding protein	IPI00023673	Q08380	3959	LGAS3BP	65	0.251	Secreted
Lysyl oxidase homolog 2	IPI00294839	Q9Y4K0	4017	LOXL2	87	0.754	Secreted
Midkine	IPI00010333	P21741	4192	MDK	16	1.574	Secreted
Mucin-16	IPI00103552	Q8WX17	94025	MUC16	2353	0.004	Cell surface
Platelet-derived growth factor beta preproprotein	IPI00334195	Q15354	5155	orf2	26	0.736	Secreted
Protein disulfide-isomerase	IPI00010796	P07237	5034	P4HB	57	0.401	Enzyme
Platelet derived growth factor A	IPI00787244	P04085	5154	PDGFA	23	0.532	Secreted
Tissue-type plasminogen activator	IPI00019590	P00750	5327	PLAT	63	0.142	Secreted
Urokinase-type plasminogen activator	IPI00296180	P00749	5328	PLAU	49	0.086	Secreted
Plasminogen	IPI00019580	P00747	5340	PLG	91	0.111	Secreted
Peptidyl-prolyl cis-trans isomerase A	IPI00419585	P62937	5478	PPIA	18	0.437	Enzyme
Serine protease 23	IPI00026941	O95084	11098	PRSS23	43	1.620	Protease
Trypsin-3	IPI00015614	P35030	5646	PRSS3	33	0.079	Protease
Pentraxin-related protein PTX3	IPI00029568	P26022	5806	PTX3	42	0.574	Secreted
Sulfhydryl oxidase 2	IPI00376394	Q6ZRP7	169714	QSOX2	78	0.043	Enzyme
Protein S100-A10	IPI00183695	P60903	6281	S100A10	11	0.879	Secreted
Protein S100-A11	IPI00013895	P31949	6282	S100A11	12	2.078	Cytoplasm
Protein S100-A16	IPI00062120	Q96FQ6	140576	S100A16	12	1.122	Cytoplasm
Hornerin	IPI00398625	Q86YZ3	388697	S100A18	282	0.223	Cytoplasm
Protein S100-A6	IPI00027463	P06703	6277	S100A6	10	4.869	Cell surface
Protein S100-A8	IPI00007047	P05109	6279	S100A8	11	1.124	Secreted
Semaphorin-3C	IPI00019209	B4E219	10512	SEMA3C	87	0.035	Secreted
Alpha-1-antitrypsin	IPI00553177	P01009	5265	SERPINA1	47	0.216	Protease inhibitor
Plasma serine protease inhibitor	IPI00007221	P05154	5104	SERPINA5	46	0.270	Protease inhibitor
Antithrombin-III	IPI00032179	P01008	462	SERPINC1	53	0.991	Protease inhibitor
Plasminogen activator inhibitor 1	IPI00007118	P05121	5054	SERPINE1	45	38.709	Protease inhibitor
Serpin H1	IPI00032140	P50454	871	SERPINH1	46	0.778	Protease inhibitor
Structural maintenance chromosomes protein 3	IPI00219420	Q9UQE7	9126	SMC3	142	0.079	Nucleus
Small inducible cytokine B14 precursor	IPI00396257	Q9Y5W8	23161	SNX13	13	0.518	Cytoplasm
Tissue factor pathway inhibitor 2	IPI00009198	P48307	7980	TFPI2	27	0.567	Secreted
Transforming growth factor beta-2	IPI00220156	P61812	7042	TGFB2	51	0.221	Secreted
Protein-glutamine gamma-glutamyltransferase 2	IPI00294578	P21980	7052	TGM2	77	7.415	Enzyme
Probable U3 small nucleolar RNA-associated protein 11	IPI00180454	Q9Y3A2	51118	UPT11L	30	0.768	Secreted

Supplemental Table S2. The podocyte ECM proteome.

Cell-derived ECM was isolated from podocytes and analyzed by MS as described in the methods sections. The proteome of 142 components was categorized as basement membrane, other structural ECM or ECM-associated proteins according to GO annotation. Further classification was applied to denote subtype or predominant cellular compartment or function. Relative protein quantification was determined by normalized spectral count (nSC).

Basement membrane protein	IPI Accession	UniProtKB	Entrez Gene ID	Gene name	MW (kDa)	Abundance (nSC)	Classification
Agrin	IPI00374563	O00468	375790	AGRN	215	0.294	Glycoprotein
Collagen alpha-1(XVIII) chain	IPI00022822	P39060	80781	COL18A1	154	2.203	Collagen
Collagen alpha-1(IV) chain	IPI00743696	P02462	1282	COL4A1	161	2.020	Collagen
Collagen alpha-2(IV) chain	IPI00306322	P08572	1284	COL4A2	168	3.327	Collagen
Collagen alpha-3(IV) chain	IPI00010360	Q01955	1285	COL4A3	162	0.001	Collagen
Collagen alpha-4(IV) chain	IPI00478572	P53420	1286	COL4A4	164	0.039	Collagen
Collagen alpha-5(IV) chain	IPI00021715	P29400	1287	COL4A5	161	0.017	Collagen
Collagen alpha-1(V) chain	IPI00844090	P20908	1289	COL5A1	184	0.036	Collagen
Collagen alpha-2(V) chain	IPI00739099	P05997	1290	COL5A2	145	0.025	Collagen
Collagen alpha-1(VII) chain	IPI00025418	Q02388	1294	COL7A1	295	0.064	Collagen
Collagen alpha-1(VIII) chain	IPI00942464	P27658	1295	COL8A1	73	0.743	Collagen
Fibulin-1	IPI00218803	P23142	2192	FBLN1	77	0.800	Glycoprotein
Fibrillin-1	IPI00328113	P35555	2200	FBN1	312	1.147	Glycoprotein
Fibronectin	IPI00022418	P02751	2335	FN1	263	20.621	Glycoprotein
Hemicentin-1	IPI00871227	Q96RW7	83872	HMCN1	613	0.321	Glycoprotein
Perlecan	IPI00943326	P98160	3339	HSPG2	467	5.194	Proteoglycan
Laminin subunit alpha-3	IPI00377045	Q16787	3909	LAMA3	373	0.518	Glycoprotein
Laminin subunit alpha-5	IPI00783665	O15230	3911	LAMA5	400	0.559	Glycoprotein
Laminin subunit beta-1	IPI00013976	P07942	3912	LAMB1	198	0.543	Glycoprotein
Laminin subunit beta-2	IPI00296922	P55268	3913	LAMB2	196	0.023	Glycoprotein
Laminin subunit beta-3	IPI00299404	Q13751	3914	LAMB3	130	1.655	Glycoprotein
Laminin subunit gamma-1	IPI00298281	P11047	3915	LAMC1	178	0.615	Glycoprotein
Laminin subunit gamma-2	IPI00015117	Q13753	3918	LAMC2	131	0.995	Glycoprotein
Nidogen-1	IPI00026944	P14543	4811	NID1	136	0.371	Glycoprotein
Nidogen-2	IPI00028908	Q14112	22795	NID2	151	0.030	Glycoprotein
Tenascin	IPI00031008	P24821	3371	TNC	241	13.744	Glycoprotein
Other structural ECM protein	**IPI Accession**	**UniProtKB**	**Entrez Gene ID**	**Gene name**	**MW (kDa)**	**Abundance (nSC)**	**Classification**
Collagen alpha-1(XVI) chain	IPI00400935	Q07092	1307	COL16A1	158	0.100	Collagen
Collagen alpha-1(I) chain	IPI00297646	P02452	1277	COL1A1	139	0.333	Collagen
Connective tissue growth factor	IPI00020977	P29279	1490	CTGF	38	0.503	Glycoprotein
Collagen triple helix repeat-containing protein 1	IPI00060423	Q96CG8	115908	CTHRC1	26	1.065	Glycoprotein
Protein CYR61	IPI00299219	O00622	3491	CYR61	42	6.014	Glycoprotein
EGF-like repeat and discoidin I-like domain-containing protein 3	IPI00306046	O43854	10085	EDIL3	54	0.050	Glycoprotein
Fibrillin-2	IPI00019439	P35556	2201	FBN2	315	0.257	Glycoprotein
Fibrinogen beta chain	IPI00298497	P02675	2244	FGB	56	0.136	Glycoprotein
Hyaluronan and proteoglycan link protein 1	IPI00023601	P10915	1404	HAPLN1	40	3.070	Proteoglycan
Insulin-like growth factor binding protein 2	IPI00297284	P18065	3485	IGFBP2	35	0.108	Glycoprotein
Insulin-like growth factor-binding protein 3	IPI00018305	P17936	3486	IGFBP3	32	0.586	Glycoprotein
Insulin-like growth factor-binding protein 5	IPI00029236	P25493	3488	IGFBP5	31	0.458	Glycoprotein
Insulin-like growth factor-binding protein 7	IPI00016915	Q16270	3490	IGFBP7	29	0.341	Glycoprotein
Latent-transforming growth factor beta-binding protein 2	IPI00292150	Q14767	4053	LTBP2	195	0.103	Glycoprotein
Latent-transforming growth factor beta-binding protein 4	IPI00873371	Q8N2S1	8425	LTBP4	173	0.360	Glycoprotein
Matrilin-2	IPI00168520	O00339	4147	MATN2	105	3.792	Glycoprotein
Microfibrillar-associated protein 1	IPI00022790	P55081	4236	MFAP1	52	0.069	Glycoprotein
Lactadherin	IPI00002236	Q08431	4240	MFGE8	43	0.091	Glycoprotein
Nephronectin	IPI00910888	Q6UX19	255743	NPNT	65	0.653	Glycoprotein
Periostin, osteoblast specific factor	IPI00410241	B1ALD8	10631	POSTN	90	0.062	Glycoprotein
Peroxidasin	IPI00016112	Q92926	7837	PXDN	165	1.017	Glycoprotein
Transforming growth factor-beta-induced protein	IPI00018219	Q15582	7045	TGFBI	75	18.156	Glycoprotein
Thrombospondin-1	IPI00296099	P07996	7057	THBS1	129	6.558	Glycoprotein
Thrombospondin type-1 domain-containing protein 4	IPI00794391	Q6ZMP0	79875	THSD4	112	0.651	Glycoprotein
Tubulointerstitial nephritis antigen-like	IPI00005563	Q9GZM7	64129	TINAGL1	52	1.307	Glycoprotein
Versican core protein	IPI00009802	P13611	1462	VCAN	373	1.614	Proteoglycan
Vitronectin	IPI00298971	P04004	7448	VTN	54	2.164	Glycoprotein
ECM-associated protein	**IPI Accession**	**UniProtKB**	**Entrez Gene ID**	**Gene name**	**MW (kDa)**	**Abundance (nSC)**	**Classification**
Alpha-2-macroglobulin	IPI00478003	P01023	2	A2M	163	0.929	Protease inhibitor
A disintegrin and metalloproteinase with thrombospondin motifs 1	IPI00005908	Q9UHI8	9510	ADAMTS1	105	0.331	Protease
Matrix metalloproteinase 14 preproprotein	IPI00896498	Q8WXS8	140766	ADAMTS14	66	0.185	Protease
A disintegrin and metalloproteinase with thrombospondin motifs 5	IPI00009143	Q9UNA0	11096	ADAMTS5	102	0.197	Protease
ADAMTS-like protein 4	IPI00374068	Q6UY14	54507	ADAMTSL4	117	0.505	Protease
Aldose reductase	IPI00413641	P15121	231	AKR1B1	36	0.933	Enzyme
Angiopoietin-related protein 4	IPI00153060	Q9BY76	51129	ANGPTL4	45	0.168	Secreted
Annexin A2	IPI00418169	P07355	302	ANXA2	40	1.651	Annexin
Annexin IV	IPI00793199	P09525	307	ANXA4	36	0.177	Annexin
Annexin A5	IPI00329801	P08758	308	ANXA5	36	0.155	Annexin
Annexin VI	IPI00002459	E5RJR0	309	ANXA6	75	0.085	Annexin
Apolipoprotein B-100	IPI00022229	P04114	338	APOB	516	0.047	Apolipoprotein
Apolipoprotein E	IPI00021842	P02649	348	APOE	36	1.039	Apolipoprotein
Apolipoprotein M	IPI00514397	Q5SRP5	55937	APOM	14	0.199	Apolipoprotein
Complement C1q and tumor necrosis factor protein	IPI00742875	E9PGA6	114899	C1QTNF	31	2.161	Secreted
Complement C3	IPI00783987	P01024	718	C3	187	0.220	Complement
Complement C5	IPI00032291	P01031	727	C5	188	0.025	Complement
Coiled-coil domain-containing protein 80	IPI00260630	Q76M96	151887	CCDC80	108	0.745	Secreted
CD109 antigen	IPI00152540	Q6YHK3	135228	CD109	162	0.064	Cell surface
CD44 antigen	IPI00305064	P16070	960	CD44	82	0.506	Cell surface
CD59 glycoprotein	IPI00011302	P13987	966	CD59	14	2.322	Cell surface
Carboxylesterase 8	IPI00167706	Q5XG92	283848	CES4A	42	0.114	Enzyme
Clusterin	IPI00400826	P10909	1191	CLU	58	0.081	Secreted
Cystatin-A	IPI00032325	P01040	1475	CSTA	11	2.122	Protease inhibitor
Cathepsin B	IPI00295741	P07858	1508	CTSB	38	0.387	Protease
Cathepsin D	IPI00011229	P07339	1509	CTSD	45	0.042	Protease
Cathepsin Z	IPI00002745	Q9UBR2	1522	CTSZ	34	0.082	Protease
Dermcidin 2	IPI00847793	A5JHP3	117159	DCD	12	3.988	Secreted
Deoxyribonuclease-1	IPI00031065	P24655	1403834	DNASE1	31	0.707	Enzyme
Dystonin	IPI00642259	Q03001	667	DST	857	0.018	Plakin

ECM-associated protein, cont.	IPI Accession	UniProtKB	Entrez Gene ID	Gene name	MW (kDa)	Abundance (nSC)	Classification
Interleukin-27 subunit beta	IPI00034088	Q14213	10148	EBI3	25	0.339	Secreted
Mammalian ependymin-related protein 1	IPI00924609	Q9UM22	54749	EPDR1	20	1.027	Secreted
Coagulation factor XIII A chain	IPI00297550	P00488	2162	F13A1	83	0.110	Coagulation
Prothrombin	IPI00019568	P00734	2147	F2	70	0.275	Coagulation
Coagulation factor V	IPI00478809	P12259	2153	F5	252	0.489	Coagulation
Heparin-binding growth factor 2	IPI00946154	P09038	2247	FGF2	31	1.484	Secreted
Fibroblast growth factor 5	IPI00295390	P12034	2250	FGF5	30	0.451	Secreted
Filaggrin	IPI00026256	P20930	2312	FLG	435	0.022	Cytoskeleton
Filaggrin-2	IPI00397801	Q5D862	388698	FLG2	248	0.106	Cytoskeleton
Polypeptide N-acetylgalactosaminyltransferase 2	IPI00004669	Q10471	2590	GALNT2	65	0.055	Secreted
Growth/differentiation factor 15	IPI00306543	Q99988	9518	GDF15	34	3.986	Secreted
Gamma-glutamyl hydrolase	IPI00023728	Q92820	8836	GGH	36	0.053	Enzyme
Gremlin-1	IPI00298476	O60565	26585	GREM1	21	2.584	Secreted
Gelsolin	IPI00646773	P06396	2934	GSN	81	2.986	Secreted
Hedgehog-interacting protein precursor	IPI00045106	Q96QV1	64399	HHIP	98	0.075	Secreted
Inter-alpha-trypsin inhibitor heavy chain H2	IPI00305461	P19823	3698	ITIH2	106	0.425	Protease inhibitor
Galectin-1	IPI00219219	P09382	3956	LGALS1	15	4.331	Secreted
Galectin-8	IPI00010844	O00214	3964	LGALS8	36	0.099	Secreted
Galectin-9	IPI00010477	O00182	3965	LGALS9	40	0.254	Secreted
Galectin-3-binding protein	IPI00023673	Q08380	3959	LGAS3BP	65	0.125	Secreted
Lysyl oxidase homolog 1	IPI00001597	Q08397	4016	LOXL1	63	0.268	Secreted
Lysyl oxidase homolog 2	IPI00294839	Q9Y4K0	4017	LOXL2	87	1.989	Secreted
Lysyl oxidase homolog 4	IPI00306402	Q96JB6	84171	LOXL4	84	0.402	Secreted
Lactoferrin	IPI00298860	P02780	361725	LTF	78	0.049	Secreted
Melanotransferrin	IPI00029275	P08582	4241	MFI2	80	0.057	Cell surface
Noggin	IPI00012361	Q13251	9241	NOG	26	0.293	Secreted
Platelet-derived growth factor beta 2 preproprotein	IPI00334195	Q15354	5155	orf2	26	0.584	Secreted
Prolyl 4-hydroxylase subunit alpha-2	IPI00003128	O15460	8974	P4HA2	61	0.029	Enzyme
Protein disulfide-isomerase	IPI00010796	P07237	5034	P4HB	57	0.546	Enzyme
Platelet-derived growth factor subunit A	IPI00787244	P04085	5154	PDGFA	23	0.248	Secreted
Urokinase-type plasminogen activator	IPI00296180	P00749	5328	PLAU	49	0.285	Secreted
Plasminogen	IPI00019580	P00747	5340	PLG	91	0.039	Secreted
Procollagen-lysine, 2-oxoglutarate 5-dioxygenase 1	IPI00027192	Q5JXB8	5351	PLOD1	88	0.082	Enzyme
Peptidyl-prolyl cis-trans isomerase A	IPI00419585	P62937	5478	PPIA	18	1.730	Enzyme
Proteoglycan 4	IPI00656092	Q92954	10216	PRG4	146	0.038	Secreted
Serine protease 23	IPI00026941	O95084	11098	PRSS23	43	3.327	Protease
Trypsin-3	IPI00015614	P35030	5646	PRSS3	33	0.422	Protease
Protein S100-A10	IPI00183695	P60903	6281	S100A10	11	1.097	Secreted
Protein S100-A11	IPI00013895	P31949	6282	S100A11	12	2.541	Cytoplasm
Protein S100-A13	IPI00016179	Q99584	6284	S100A13	11	2.742	Secreted
Protein S100-A16	IPI00062120	Q96FQ6	140576	S100A16	12	0.996	Cytoplasm
Hornerin	IPI00398625	Q86YZ3	388697	S100A18	282	0.094	Cytoplasm
Protein S100-A6	IPI00027463	P06703	6277	S100A6	10	4.386	Cell surface
Protein S100-A8	IPI00007047	P05109	6279	S100A8	11	0.243	Secreted
Semaphorin-3B	IPI00012283	Q13214	7869	SEMA3B	83	0.310	Secreted
Semaphorin-3C	IPI00019209	B4E219	10512	SEMA3C	87	0.044	Secreted
Alpha-1-antitrypsin	IPI00553177	P01009	5265	SERPINA1	47	0.133	Protease inhibitor
Plasma serine protease inhibitor	IPI00007221	P05154	5104	SERPINA5	46	0.951	Protease inhibitor
Antithrombin-III	IPI00032179	P01008	462	SERPINC1	53	0.563	Protease inhibitor
Plasminogen activator inhibitor 1	IPI00007118	P05121	5054	SERPINE1	45	17.200	Protease inhibitor
Serpin H1	IPI00032140	P50454	871	SERPINH1	46	1.819	Protease inhibitor
Transforming growth factor beta-2	IPI00220156	P61812	7042	TGFB2	51	0.144	Secreted
Protein-glutamine gamma-glutamyltransferase 2	IPI00294578	P21980	7052	TGM2	77	2.108	Enzyme
Tumor necrosis factor ligand superfamily member 10	IPI00000049	P50591	8743	TNFSF10	35	1.285	Secreted
Tumor necrosis factor ligand superfamily member 13	IPI00218937	O75888	8741	TNFSF13	27	0.240	Secreted
Tumor necrosis factor ligand superfamily member 9	IPI00013301	P41273	8744	TNFSF9	27	0.687	Secreted
Probable U3 small nucleolar RNA-associated protein 11	IPI00180454	Q9Y3A2	51118	UPT11L	30	1.076	Secreted
Protein Wnt-5b	IPI00022223	Q9H1J7	81029	WNT5B	40	0.760	Secreted
Protein Wnt	IPI00876998	A8K0G1	7477	WNT7B	39	0.249	Secreted

Supplemental Table S3. Statistical analysis of abundance changes of proteins identified in GEnC and podocyte ECMs. Statistical analysis of differential spectral count data between samples was performed using QSpec. Differential relative abundances with Bayes factors ≥10 and natural-logarithm-transformed fold changes ≥1.0 or ≤-1.0 provided a false discovery rate estimate of <5%. Positive fold changes were enriched to podocyte ECM and negative fold changes were enriched to GEnC ECM. Extracellular region proteins are highlighted in gray.

			GEnC spectral count			Podocyte spectral count			QSpec analysis			
Protein name	IPI accession	Molecular weight	Repeat 1	Repeat 2	Repeat 3	Repeat 1	Repeat 2	Repeat 3	Bayes factor	ln(fold change)	Significant: GEnC enriched	Significant: Podocyte enriched
Isoform 1 of Myosin-9	IPI00019502	227 kDa	2968	3351	3131	2267	1195	1213	3.50E+19	-0.649		
Vimentin	IPI00418471	54 kDa	2038	3370	2934	1659	2626	2118	7.97E+02	-0.262		
Actin, cytoplasmic 2	IPI00021440	42 kDa	1426	1922	1879	1806	1666	1471	2.78E-01	-0.026		
Isoform 1 of Fibronectin	IPI00022418	263 kDa	775	1531	888	2318	1858	1686	1.94E+11	0.697		
Basement membrane-specific heparan sulfate proteoglycan core protein variant	IPI00943326	467 kDa	687	1789	916	1032	846	745	5.91E+00	-0.165		
Isoform 1 of Plectin-1	IPI00014898	532 kDa	870	1772	1377	662	1420	1311	5.95E+00	-0.186		
Histone H2B type 1-H	IPI00303133	14 kDa	116	284	192	173	159	127	4.34E+00	-0.192		
Keratin, type II cytoskeletal 1	IPI00220327	66 kDa	1449	740	1001	944	874	897	2.99E+00	-0.073		
Serum albumin precursor	IPI00708398	69 kDa	1206	775	1721	745	921	1003	1.55E+02	-0.261		
Histone H4	IPI00453473	11 kDa	161	314	202	376	320	256	1.49E+02	0.38		
Collagen alpha-2(IV) chain	IPI00306322	168 kDa	85	184	203	212	219	173	1.87E+01	0.307		
Laminin subunit alpha-5	IPI00783665	400 kDa	26	108	56	118	55	69	3.97E+00	0.332		
Trypsin - Sus scrofa (Pig).	MAN00000761	24 kDa	833	582	763	738	668	672	2.55E-01	0.009		
Keratin, type I cytoskeletal 19	IPI00479145	44 kDa	197	339	251	1374	1837	1345	2.81E+24	1.756		Yes
Isoform 1 of Collagen alpha-1(IV) chain	IPI00743696	161 kDa	108	195	190	111	108	129	1.33E+01	-0.326		
Keratin, type II cytoskeletal 8	IPI00554648	54 kDa	296	491	404	1401	1479	1135	3.46E+20	1.193		Yes
Isoform A of Lamin-A/C	IPI00021405	74 kDa	192	795	645	529	616	526	7.46E+00	0.159		
Tubulin beta chain	IPI00909140	50 kDa	13	97	43	183	167	93	3.70E+05	1.32		Yes
Laminin subunit beta-2	IPI00296922	196 kDa	5	7	4	2	2	1	9.14E+00	-0.997		
Histone H2A type 2-A	IPI00216457	14 kDa	111	182	101	122	101	87	3.11E+00	-0.209		
Keratin, type I cytoskeletal 10	IPI00009865	59 kDa	824	473	609	652	611	694	2.55E+00	0.101		
Keratin, type I cytoskeletal 9	IPI00019359	62 kDa	822	367	563	529	459	473	2.37E+00	-0.096		
Isoform 1 of Tenascin	IPI00031008	241 kDa	10	48	5	804	1317	1409	2.49E+25	3.988		Yes
Keratin, type II cytoskeletal 7	IPI00306959	51 kDa	530	951	797	965	1096	903	9.65E+02	0.326		
Histone H3.3	IPI00219038	15 kDa	68	115	94	95	95	88	5.01E-01	0.014		
Keratin, type II cytoskeletal 2 epidermal	IPI00021304	66 kDa	981	486	707	715	590	731	5.24E-01	0.013		
Plasminogen activator inhibitor 1	IPI00007118	45 kDa	729	535	525	234	288	306	1.20E+10	-0.758		
Thrombospondin-1	IPI00296099	129 kDa	380	583	495	280	327	302	4.92E+05	-0.45		
cDNA FLJ60097, highly similar to Tubulin alpha-ubiquitous chain	IPI00792677	46 kDa	43	128	65	118	103	83	9.45E+00	0.329		
Isoform 2 of Myosin-10	IPI00479307	231 kDa	584	693	562	505	256	267	2.57E+07	-0.616		
ATP synthase subunit alpha, mitochondrial	IPI00440493	60 kDa	15	38	6	57	14	10	7.48E-01	0.217		
Isoform Smooth muscle of Myosin light polypeptide	IPI00789605	17 kDa	267	345	299	206	143	108	2.55E+06	-0.697		
Laminin subunit gamma-1	IPI00298281	178 kDa	28	100	33	39	42	37	8.63E-01	-0.189		
Isoform 1 of Nidogen-1	IPI00026944	136 kDa	13	71	17	28	15	12	1.32E+00	-0.376		
Collagen alpha-4(IV) chain	IPI00478572	164 kDa	0	0	0	4	2	1	2.04E+00	1.923		
Isoform 2 of Collagen alpha-1(XVIII) chain	IPI00022822	154 kDa	27	160	80	142	103	120	7.79E+01	0.536		
Keratin, type I cytoskeletal 18	IPI00554788	48 kDa	198	600	400	451	416	298	6.16E-01	0.072		
Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018	36 kDa	46	36	26	78	84	86	6.19E+05	0.794		
Isoform 1 of Collagen alpha-3(IV) chain	IPI00010360	162 kDa	4	8	6	0	0	0	1.10E+01	-2.372	Yes	
Fibrillin-1	IPI00328113	312 kDa	192	200	170	137	133	116	1.35E+04	-0.367		
Transforming growth factor-beta-induced protein ig-	IPI00018219	75 kDa	64	55	102	329	541	581	6.43E+12	1.813		Yes
Alpha-actinin-4	IPI00013808	105 kDa	152	249	216	73	95	104	9.28E+05	-0.792		
Isoform 2 of Filamin-A	IPI00302592	280 kDa	310	565	435	46	79	76	9.29E+12	-1.806	Yes	
Isoform 1 of Tubulointerstitial nephritis antigen-like	IPI00005563	52 kDa	5	42	14	38	19	17	1.36E+00	0.418		
Isoform 1 of Heterogeneous nuclear	IPI00171903	78 kDa	28	306	199	152	156	123	3.42E+00	0.335		
Isoform 1 of Protein-glutamine gamma-	IPI00294578	77 kDa	80	402	193	113	33	32	6.27E+03	-1.234	Yes	
Isoform 1 of Clathrin heavy chain 1	IPI00024067	192 kDa	2	104	66	62	118	124	1.92E+04	1.245		Yes
Protein CYR61	IPI00299219	42 kDa	467	194	447	68	101	101	4.93E+07	-1.334	Yes	
Complement C3 (Fragment)	IPI00783987	187 kDa	10	0	12	11	17	16	4.18E-01	0.764		
Lamin-B1	IPI00217975	66 kDa	85	306	185	326	231	195	1.94E+01	0.358		
Vitronectin	IPI00298971	54 kDa	35	17	48	28	42	54	1.02E+00	0.255		
Elongation factor 1-alpha 1	IPI00396485	50 kDa	40	48	41	135	141	125	8.71E+08	1.072		Yes
ADP/ATP translocase 2	IPI00007188	33 kDa	77	119	70	67	54	56	5.36E+01	-0.398		
Tu translation elongation factor, mitochondrial	IPI00027107	50 kDa	1	6	0	1	0	0	2.27E+00	-1.218		
Hemoglobin subunit alpha	IPI00410714	15 kDa	131	61	100	106	144	121	1.63E+01	0.282		
Isoform 1 of Serum albumin	IPI00745872	69 kDa	254	0	375	0	0	0	9.06E+01	-2.689	Yes	
ubiquitin and ribosomal protein S27a precursor	IPI00179330	18 kDa	74	191	138	142	124	124	6.80E-01	0.04		
Isoform 3 of Myosin-Ic	IPI00829992	120 kDa	43	41	89	45	57	48	5.32E-01	-0.108		
Apolipoprotein E	IPI00021842	36 kDa	15	4	19	13	12	15	7.09E-01	0.073		
Isoform Long of Heterogeneous nuclear	IPI00883857	91 kDa	75	169	145	141	101	105	1.06E+00	-0.076		
Alpha-actinin-1	IPI00013508	103 kDa	191	332	309	102	121	121	7.44E+05	-0.855		
Major vault protein	IPI00000105	99 kDa	100	115	171	91	112	179	8.71E-01	-0.03		
Agrin	IPI00374563	215 kDa	9	133	30	33	22	14	1.18E+00	-0.269		
Isoform 2 of Mitochondrial inner membrane protein	IPI00554469	83 kDa	53	178	115	201	169	124	4.76E+01	0.455		
Actin, alpha cardiac muscle 1	IPI00023006	42 kDa	954	1188	1213	1160	1074	974	2.12E-01	-0.024		
Lamin-B2	IPI00009771	70 kDa	54	222	155	193	137	132	1.52E+00	0.184		
Isoform 3 of Tropomyosin alpha-1 chain	IPI00216135	33 kDa	153	149	114	130	81	121	2.81E+00	-0.212		
Histone H1.4	IPI00217467	22 kDa	34	108	50	37	41	30	4.31E+00	-0.506		
Isoform Long of Spectrin beta chain, brain 1	IPI00005614	275 kDa	2	20	14	3	8	9	1.20E+00	-0.505		
Myosin regulatory light chain MRCL3 variant	IPI00604523	20 kDa	97	76	127	91	66	63	1.64E+01	-0.312		
40S ribosomal protein S18	IPI00013296	18 kDa	85	41	75	111	88	78	2.66E+01	0.352		
Nucleoprotein TPR	IPI00742682	267 kDa	41	252	126	69	161	81	2.17E-01	-0.162		
60 kDa heat shock protein, mitochondrial	IPI00784154	61 kDa	18	50	12	15	10	4	1.32E+01	-0.891		
ATP synthase subunit beta, mitochondrial	IPI00303476	57 kDa	16	15	2	45	1	1	1.43E+00	-0.624		
ATP-dependent RNA helicase A	IPI00844578	141 kDa	35	156	138	89	116	107	9.81E-01	0.086		
Isoform 3 of Spectrin alpha chain, brain	IPI00843765	282 kDa	18	16	28	4	46	38	8.49E-01	0.15		
40S ribosomal protein S3	IPI00011253	27 kDa	174	67	86	112	59	50	5.70E+00	-0.366		
Isoform V0 of Versican core protein	IPI00009802	373 kDa	23	21	27	183	233	229	4.05E+13	2.218		Yes
40S ribosomal protein S4, X isoform	IPI00217030	30 kDa	42	60	49	78	56	44	6.36E-01	0.149		
Nestin	IPI00010800	177 kDa	64	291	221	0	11	11	1.44E+07	-3.049	Yes	
Isoform Long of Splicing factor, proline- and	IPI00010740	76 kDa	30	126	151	101	89	114	1.40E+00	0.124		
Isoform M2 of Pyruvate kinase isozymes M1/M2	IPI00479186	58 kDa	16	24	13	101	91	78	1.52E+09	1.57		Yes
Laminin subunit beta-1	IPI00013976	198 kDa	25	147	45	42	40	34	1.24E+00	-0.35		
Isoform 3 of Core histone macro-H2A.1	IPI00059366	39 kDa	9	15	10	37	26	20	4.58E+02	0.776		
Tubulin beta-2C chain	IPI00007752	50 kDa	9	72	0	146	0	68	1.08E+00	0.569		
Keratin, type II cytoskeletal 5	IPI00009867	62 kDa	331	197	263	243	193	261	8.45E-01	-0.106		
Trifunctional enzyme subunit alpha, mitochondrial	IPI00031522	83 kDa	0	45	33	71	85	60	4.46E+00	1.343		
Trifunctional enzyme subunit beta, mitochondrial	IPI00022793	51 kDa	8	10	4	32	24	20	1.22E+04	1.236		Yes
Isoform 1 of Fibrillin-2	IPI00019439	315 kDa	175	134	181	44	22	22	2.61E+10	-1.72	Yes	
Peroxisomal bifunctional enzyme	IPI00216164	79 kDa	0	0	1	9	9	5	6.98E+01	2.14		Yes
Myosin	IPI00844172	145 kDa	30	59	57	129	116	73	6.38E+03	0.764		
Isoform Liver of ATP synthase subunit gamma,	IPI00478410	33 kDa	4	11	1	12	6	3	8.90E-01	0.311		
filamin B isoform 3	IPI00477536	277 kDa	164	224	253	8	18	20	5.80E+12	-2.629	Yes	
interleukin enhancer binding factor 3 isoform d	IPI00418313	96 kDa	27	148	108	49	76	64	9.14E-01	-0.259		
Isoform C1 of Heterogeneous nuclear ribonucleoproteins C1/C2	IPI00216592	32 kDa	86	94	38	32	58	31	4.38E+01	-0.565		
Isoform 1 of Cytoskeleton-associated protein 4	IPI00141318	66 kDa	60	135	111	128	68	59	1.06E+00	-0.192		
L-lactate dehydrogenase B chain	IPI00219217	37 kDa	20	7	19	5	10	7	1.26E+01	-0.695		
40S ribosomal protein S16	IPI00221092	16 kDa	49	42	29	58	37	33	6.61E-01	0.044		
5'-nucleotidase	IPI00009456	63 kDa	85	171	90	36	35	28	1.46E+05	-1.197	Yes	
Isoform 2 of Gelsolin	IPI00646773	81 kDa	25	21	37	43	106	108	3.78E+03	1.078		Yes
Histone H2B type 1-O	IPI00152785	14 kDa	100	274	178	153	157	120	2.96E+00	-0.179		
ATP synthase subunit O, mitochondrial	IPI00007611	23 kDa	13	10	4	33	13	9	3.65E+00	0.656		
Isoform 1 of RNA-binding protein Raly	IPI00216044	30 kDa	74	76	58	71	79	52	4.61E-01	-0.031		
Isoform 2 of Voltage-dependent anion-selective channel protein 2	IPI00024145	30 kDa	33	57	23	100	37	31	1.49E+00	0.316		

Protein name	IPI accession	Molecular weight	GEnC spectral count			Podocyte spectral count			QSpec analysis			
			Repeat 1	Repeat 2	Repeat 3	Repeat 1	Repeat 2	Repeat 3	Bayes factor	ln(fold change)	Significant: GEnC enriched	Significant: Podocyte enriched
Heterogeneous nuclear ribonucleoprotein G	IPI00304692	42 kDa	50	100	59	61	53	31	9.15E+00	-0.359		
Isoform 1 of Alpha-1-antitrypsin	IPI00553177	47 kDa	5	2	3	3	4	0	4.30E-01	-0.357		
60S ribosomal protein L18	IPI00215719	22 kDa	18	46	30	31	36	32	3.41E-01	0.065		
40S ribosomal protein S15a	IPI00221091	15 kDa	80	63	69	36	38	38	2.63E+04	-0.635		
LIM domain and actin binding 1 isoform a	IPI00883896	85 kDa	41	108	83	92	45	34	1.89E+00	-0.321		
Periostin, osteoblast specific factor	IPI00410241	90 kDa	55	133	73	2	2	2	2.24E+09	-3.466	Yes	
60S ribosomal protein L13	IPI00465361	24 kDa	3	64	40	58	53	50	1.02E+02	0.679		
Isoform 2 of Clusterin	IPI00400826	58 kDa	0	0	0	1	2	2	1.85E+00	1.66		
Serine protease 23	IPI00026941	43 kDa	29	28	16	50	55	49	7.13E+03	0.711		
60S ribosomal protein L7a	IPI00299573	30 kDa	12	58	47	37	51	42	1.25E+00	0.31		
60S ribosomal protein L7	IPI00030179	29 kDa	30	54	32	41	37	24	8.18E-01	-0.116		
Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	71 kDa	1	20	9	32	35	30	1.50E+04	1.337		Yes
Isocitrate dehydrogenase [NADP], mitochondrial	IPI00011107	51 kDa	0	1	0	0	1	1	8.23E-01	0.386		
Beta-actin-like protein 2	IPI00003269	42 kDa	332	530	503	423	393	340	1.87E+00	-0.124		
40S ribosomal protein S14	IPI00026271	16 kDa	79	40	65	76	66	63	3.68E-01	0.168		
Isoform 1 of Collagen alpha-5(IV) chain	IPI00021715	161 kDa	12	27	25	0	2	1	1.02E+05	-2.583	Yes	
Succinyl-CoA ligase [GDP-forming] subunit beta, mitochondrial	IPI00096066	47 kDa	0	0	0	0	2	0	1.34E+00	0.915		
Non-POU domain-containing octamer-binding	IPI00304596	54 kDa	32	97	74	65	70	63	6.81E-01	0.052		
Erythrocyte band 7 integral membrane protein	IPI00219682	32 kDa	64	138	58	74	48	37	1.05E+01	-0.445		
Isoform B1 of Heterogeneous nuclear ribonucleoproteins A2/B1	IPI00396378	37 kDa	29	73	38	22	49	40	1.11E+00	-0.213		
40S ribosomal protein S3a	IPI00419880	30 kDa	26	47	56	52	38	37	6.33E-01	-0.004		
Isoform 2 of Matrilin-2	IPI00168520	105 kDa	0	0	0	98	154	172	1.10E+14	4.364		Yes
Isoform Alpha of Caveolin-1	IPI00009236	20 kDa	59	71	74	51	63	56	1.73E+00	-0.174		
40S ribosomal protein S19	IPI00215780	16 kDa	93	34	61	52	59	54	7.07E-01	-0.094		
Lysyl oxidase homolog 2	IPI00294839	87 kDa	8	47	23	107	52	31	7.85E+01	0.854		
Isoform 2 of Annexin A2	IPI00418169	40 kDa	43	58	21	17	31	23	8.79E+00	-0.49		
60S ribosomal protein L23	IPI00010153	15 kDa	41	56	34	46	68	39	1.02E+00	0.153		
Isoform 1 of Heterogeneous nuclear	IPI00012074	71 kDa	21	116	65	41	40	36	1.28E+00	-0.359		
Alpha-crystallin B chain	IPI00021369	20 kDa	7	3	0	12	32	22	8.22E+02	1.832		Yes
Matrin-3	IPI00017297	95 kDa	31	90	37	35	44	52	7.42E-01	-0.112		
60S ribosomal protein L4	IPI00003918	48 kDa	15	49	36	31	37	25	6.79E-01	-0.045		
Nucleolar protein 56	IPI00411937	66 kDa	21	84	42	76	37	33	9.97E-01	0.091		
40S ribosomal protein S7	IPI00013415	22 kDa	78	28	56	32	46	35	4.52E+00	-0.323		
Galectin-1	IPI00219219	15 kDa	11	39	21	34	23	14	7.34E-01	0.029		
60S ribosomal protein L6	IPI00329389	33 kDa	16	39	22	38	49	31	1.28E+01	0.405		
Moesin	IPI00219365	68 kDa	1	19	6	0	3	2	2.20E+00	-1.208		
Isoform 2 of F-actin-capping protein subunit beta	IPI00642256	31 kDa	32	80	68	56	52	50	8.32E-01	-0.097		
Keratin, type I cytoskeletal 16	IPI00217963	51 kDa	337	216	264	320	335	367	2.54E+02	0.266		
Nuclear pore complex protein Nup93	IPI00397904	93 kDa	13	99	79	48	76	49	1.07E+00	0.138		
Growth/differentiation factor 15	IPI00306543	34 kDa	75	22	40	36	56	53	6.80E-01	0.177		
Putative uncharacterized protein CHCHD3	IPI00926903	27 kDa	32	68	53	68	54	47	9.05E-01	0.111		
Isoform 1 of Nidogen-2	IPI00028908	151 kDa	1	19	5	4	1	0	1.78E+00	-1.214		
Plasminogen	IPI00019580	91 kDa	3	0	7	3	1	0	1.58E+00	-0.741		
Isoform 1 of 60S ribosomal protein L11	IPI00376798	20 kDa	57	26	57	64	29	25	1.15E+00	-0.19		
Isoform 1 of Kinectin	IPI00328753	156 kDa	13	84	51	79	66	54	1.17E+01	0.386		
60S ribosomal protein L8	IPI00012772	28 kDa	16	36	24	32	37	34	3.00E+00	0.294		
Isoform 1 of Peroxidasin homolog	IPI00016112	165 kDa	0	48	11	58	68	55	9.43E+01	1.464		Yes
Serpin H1	IPI00032140	46 kDa	0	41	6	63	14	15	5.35E-01	1.119		
rRNA 2'-O-methyltransferase fibrillarin	IPI00025039	34 kDa	35	44	29	65	49	44	2.79E+01	0.381		
Isoform 2 of Nucleophosmin	IPI00220740	29 kDa	56	89	41	17	23	7	4.94E+04	-1.341	Yes	
Heat shock protein beta-1	IPI00025512	23 kDa	4	54	19	14	14	10	6.49E-01	-0.45		
Isoform 1 of Thrombospondin type-1 domain-containing protein 4	IPI00794391	112 kDa	66	34	48	33	25	21	2.46E+02	-0.591		
Calponin-1	IPI00021264	33 kDa	0	1	1	79	157	132	1.21E+12	3.921		Yes
Isoform 1 of Nucleolar RNA helicase 2	IPI00015953	87 kDa	24	94	63	55	42	26	1.84E+00	-0.333		
Peroxiredoxin-1	IPI00000874	22 kDa	21	41	33	23	21	18	8.13E+00	-0.399		
Isoform 1 of Polymerase I and transcript release	IPI00176903	43 kDa	48	95	44	35	42	30	5.70E+01	-0.519		
Leucine-rich repeat-containing protein 53	IPI00252944	141 kDa	4	3	10	14	3	9	1.62E+00	0.398		
Heat shock protein HSP 90-beta	IPI00414676	83 kDa	4	10	2	7	2	6	6.69E-01	-0.021		
p180/ribosome receptor	IPI00856098	166 kDa	9	68	40	85	81	38	3.54E+01	0.68		
40S ribosomal protein S9	IPI00221088	23 kDa	12	24	16	15	28	23	2.01E+00	0.228		
similar to fibronectin 1 isoform 4 preproprotein	IPI00714673	253 kDa	408	715	421	1178	938	844	1.08E+09	0.663		
Heterogeneous nuclear ribonucleoprotein U-like	IPI00456887	85 kDa	24	63	42	32	31	28	2.44E+00	-0.321		
Keratin, type II cytoskeletal 6A	IPI00300725	60 kDa	321	216	243	293	264	326	4.30E+00	0.159		
complement component 4B preproprotein	IPI00418163	193 kDa	5	0	3	18	28	42	4.64E+04	2.166		Yes
40S ribosomal protein S13	IPI00221089	17 kDa	17	16	14	30	30	27	7.93E+01	0.566		
40S ribosomal protein S2	IPI00013485	31 kDa	7	19	20	17	13	14	6.05E-01	-0.025		
Talin-1	IPI00298994	270 kDa	3	13	12	0	0	1	1.39E+02	-2.379	Yes	
Cytochrome b-c1 complex subunit 2, mitochondrial	IPI00305383	48 kDa	0	2	0	10	0	0	1.22E+00	0.517		
Isoform 2 of Myosin-Ib	IPI00414980	125 kDa	3	7	10	52	67	45	1.02E+08	1.967		Yes
Isoform 8 of Titin	IPI00759542	3830 kDa	5	7	7	9	7	7	8.71E-01	0.188		
Peptidyl-prolyl cis-trans isomerase A	IPI00419585	18 kDa	1	4	4	9	9	15	1.85E+02	1.229		Yes
epiplakin 1	IPI00010951	556 kDa	21	58	51	40	190	150	8.44E+01	0.902		
Keratin, type I cytoskeletal 14	IPI00384444	52 kDa	379	231	281	363	358	382	7.10E+01	0.264		
Voltage-dependent anion-selective channel protein	IPI00216308	31 kDa	21	53	14	81	30	16	8.90E-01	0.275		
60S ribosomal protein L23a	IPI00021266	18 kDa	14	11	22	40	77	65	2.95E+05	1.366		Yes
Heterogeneous nuclear ribonucleoprotein L	IPI00027834	64 kDa	22	78	44	26	42	25	1.83E+00	-0.373		
60S ribosomal protein L31	IPI00026302	14 kDa	36	26	25	46	56	49	4.57E+02	0.547		
cDNA FLJ58816, highly similar to Homo sapiens nephronectin (NPNT), mRNA	IPI00910888	65 kDa	0	0	0	10	15	20	5.23E+04	3.024		Yes
N-acetyltransferase 10	IPI00300127	116 kDa	32	74	62	41	31	34	1.46E+01	-0.439		
60S ribosomal protein L30	IPI00219156	13 kDa	22	43	49	37	41	41	6.37E-01	0.062		
Nucleolar protein 58	IPI00006379	60 kDa	38	87	31	33	30	27	8.69E+00	-0.477		
Isoform 1 of Guanine nucleotide-binding protein G(i) subunit alpha-2	IPI00748145	40 kDa	31	40	8	8	12	12	5.16E+00	-0.791		
Unc-84 homolog A	IPI00844303	108 kDa	19	78	53	39	38	19	1.84E+00	-0.339		
Flotillin-1	IPI00027438	47 kDa	31	52	24	50	16	17	2.49E+00	-0.345		
Alpha-2-macroglobulin	IPI00478003	163 kDa	26	1	17	33	70	59	2.90E+04	1.35		Yes
60S ribosomal protein L38	IPI00215790	8 kDa	39	44	39	45	39	43	5.80E-01	0.04		
27 kDa protein	IPI00796462	27 kDa	15	29	22	40	32	28	1.51E+01	0.421		
60S ribosomal protein L26	IPI00027270	17 kDa	9	26	28	39	36	32	3.26E+01	0.513		
60S ribosomal protein L22	IPI00219153	15 kDa	41	29	24	32	30	31	5.65E-01	0.004		
Isoform 1 of Connective tissue growth factor	IPI00020977	38 kDa	51	76	100	3	6	11	2.84E+07	-2.181	Yes	
Isoform 1 of Myosin phosphatase Rho-interacting	IPI00305344	117 kDa	19	38	52	37	25	23	1.12E+00	-0.232		
73 kDa protein	IPI00942464	73 kDa	32	31	85	19	17	22	1.93E+02	-0.841		
Aquaporin-1	IPI00024689	29 kDa	0	0	0	51	63	54	3.91E+11	3.688		Yes
V-type proton ATPase catalytic subunit A	IPI00007682	68 kDa	10	33	8	50	35	18	3.17E+01	0.766		
Isoform 1 of ATP-binding cassette sub-family D	IPI00002372	75 kDa	13	57	33	45	37	23	9.13E-01	0.099		
40S ribosomal protein S25	IPI00012750	14 kDa	18	11	15	30	24	21	1.85E+01	0.502		
Hemoglobin subunit beta	IPI00654755	16 kDa	5	5	6	8	8	7	7.83E-01	0.364		
Histone H1.5	IPI00217468	23 kDa	39	76	41	19	10	7	2.68E+04	-1.317	Yes	
Adenylate kinase isoenzyme 4, mitochondrial	IPI00016568	25 kDa	0	0	0	1	1	0	1.36E+00	1.063		
Isoform 2 of ATPase family AAA domain-containing protein 3A	IPI00295992	66 kDa	8	56	31	45	39	31	4.82E+00	0.368		
Isoform 5 of Nuclear pore complex protein Nup98-Prohibitin-2	IPI00337397	196 kDa	4	68	39	31	50	21	9.84E-01	0.183		
Isoform A of Ras-related C3 botulinum toxin	IPI00027252	33 kDa	8	35	8	22	16	11	5.95E-01	0.046		
Isoform 2 of Tropomyosin alpha-3 chain	IPI00010271	21 kDa	32	6	26	10	18	14	2.11E+00	-0.385		
ADP-ribosylation factor 1	IPI00218319	29 kDa	117	159	72	99	51	67	2.20E+01	-0.443		
60S ribosomal protein L35	IPI00215914	21 kDa	4	4	14	9	13	13	1.64E+00	0.441		
	IPI00412607	15 kDa	5	16	17	29	34	23	3.85E+02	0.752		

			GEnC spectral count			Podocyte spectral count			QSpec analysis			
Protein name	IPI accession	Molecular weight	Repeat 1	Repeat 2	Repeat 3	Repeat 1	Repeat 2	Repeat 3	Bayes factor	ln(fold change)	Significant: GEnC enriched	Significant: Podocyte enriched
Laminin alpha-3 chain variant 1	IPI00377045	373 kDa	1	4	6	49	84	74	9.97E+08	2.677		Yes
Complement component C9	IPI00022395	63 kDa	0	0	0	0	2	0	1.34E+00	0.915		
Tricarboxylate transport protein, mitochondrial	IPI00294159	34 kDa	14	19	12	26	14	16	8.79E-01	0.189		
Isoform 2 of Myb-binding protein 1A	IPI00607584	149 kDa	11	101	42	9	24	12	9.73E+00	-0.936		
Eukaryotic initiation factor 4A-III	IPI00009328	47 kDa	15	46	27	39	34	27	8.04E-01	0.129		
Mitochondrial 2-oxoglutarate/malate carrier protein	IPI00219729	34 kDa	0	8	0	7	5	4	5.12E-01	0.942		
Nuclease-sensitive element-binding protein 1	IPI00031812	36 kDa	15	8	15	42	103	73	2.84E+05	1.684		Yes
Isoform 1 of L-lactate dehydrogenase A chain	IPI00217966	37 kDa	17	2	9	2	10	10	9.39E-01	-0.187		
Isoform A of Phosphate carrier protein,	IPI00022202	40 kDa	10	39	12	50	11	9	5.68E-01	0.036		
60S ribosomal protein L35a	IPI00029731	13 kDa	4	14	20	15	17	13	6.61E-01	0.175		
retinoic acid induced 14 isoform b	IPI00910842	107 kDa	18	55	38	41	12	32	1.47E+00	-0.269		
Electron transfer flavoprotein subunit alpha,	IPI00010810	35 kDa	6	1	0	0	0	0	3.21E+00	-1.745		
Isoform PML-5 of Probable transcription factor PML	IPI00922504	96 kDa	2	88	40	5	11	7	1.73E+00	-1.017		
Isoform 1 of Supervillin	IPI00412650	248 kDa	4	24	15	63	32	29	7.34E+02	1.062		Yes
Carbonyl reductase [NADPH] 1	IPI00295386	30 kDa	0	2	0	3	3	2	1.08E+00	1.116		
ATPase, aminophospholipid transporter-like, Class I, type 8A, member 2	IPI00465166	134 kDa	42	46	35	18	14	17	1.75E+04	-0.9		
Isoform 1 of Leucine-rich repeat-containing protein	IPI00171160	52 kDa	0	0	0	55	69	90	1.70E+11	4.001		Yes
Aminopeptidase N	IPI00221224	110 kDa	38	83	33	0	0	0	9.50E+07	-4.209	Yes	
Stress-70 protein, mitochondrial	IPI00007765	74 kDa	5	11	6	5	1	5	2.23E+00	-0.664		
60S ribosomal protein L10a	IPI00412579	25 kDa	10	32	29	17	25	21	5.62E-01	-0.081		
Laminin subunit beta-3	IPI00299404	130 kDa	2	4	1	53	92	85	1.11E+10	3.092		Yes
Isoform 1 of Nuclear pore complex protein Nup160	IPI00748807	162 kDa	11	70	41	41	38	28	5.50E-01	0.024		
Nuclear pore complex protein Nup205	IPI00783781	228 kDa	17	67	25	27	40	34	9.04E-01	0.091		
Nuclear pore complex protein Nup107	IPI00028005	106 kDa	11	51	38	29	30	37	8.85E-01	0.071		
Isoform 1 of Apoptosis-inducing factor 1,	IPI00000690	67 kDa	0	0	0	3	0	0	1.75E+00	1.025		
Flotillin-2	IPI00789008	47 kDa	19	42	15	35	11	12	1.66E+00	-0.274		
Histone H1.0	IPI00550239	21 kDa	6	14	8	5	4	4	5.27E+00	-0.738		
40S ribosomal protein S29	IPI00182289	7 kDa	31	20	17	21	9	8	1.96E+01	-0.547		
Isoform 1 of Hemicentin-1	IPI00871227	613 kDa	0	0	0	40	98	73	1.39E+09	4.318		Yes
40S ribosomal protein S6	IPI00021840	29 kDa	4	27	16	14	18	15	5.52E-01	0.068		
60S ribosomal protein L24	IPI00306332	18 kDa	3	19	9	16	22	15	7.38E+00	0.509		
Isoform 1 of Heterochromatin protein 1-binding	IPI00642238	61 kDa	1	50	7	12	12	5	5.43E-01	-0.038		
Isoform Long of V-type proton ATPase 116 kDa subunit a isoform 3	IPI00299719	93 kDa	7	13	3	20	28	12	1.46E+02	0.886		
Isoform 1 of 60S ribosomal protein L12	IPI00024933	18 kDa	13	4	26	12	20	23	1.28E+00	0.286		
40S ribosomal protein S8	IPI00216587	24 kDa	3	29	21	20	19	14	1.00E+00	0.127		
cDNA FLJ56372, highly similar to Glycine amidinotransferase, mitochondrial	IPI00792191	54 kDa	0	0	0	1	0	0	1.09E+00	0.678		
60S ribosomal protein L13a	IPI00304612	24 kDa	5	19	19	10	22	21	9.92E-01	0.222		
40S ribosomal protein S11	IPI00025091	18 kDa	8	8	14	20	13	13	2.08E+00	0.449		
40S ribosomal protein S5	IPI00008433	23 kDa	41	22	21	15	13	16	2.33E+01	-0.636		
Testis-expressed sequence 10 protein	IPI00549664	106 kDa	1	75	34	17	37	27	1.46E+00	0.249		
Ribosomal protein L14 variant	IPI00555744	24 kDa	2	17	10	11	16	9	1.28E+00	0.242		
60S ribosomal protein L15	IPI00470528	24 kDa	5	13	27	21	30	17	3.42E+00	0.435		
Prohibitin	IPI00017334	30 kDa	8	33	7	20	12	9	6.11E-01	0.011		
60S ribosomal protein L9	IPI00031691	22 kDa	38	23	24	14	19	10	8.77E+01	-0.635		
cDNA FLJ77128, highly similar to Homo sapiens zinc finger protein 434 (ZNF434) mRNA	IPI00328360	79 kDa	11	8	8	7	4	5	1.96E+00	-0.492		
Hedgehog-interacting protein precursor	IPI00045106	98 kDa	80	16	83	4	2	2	1.39E+05	-2.631	Yes	
Multimerin-2	IPI00015525	104 kDa	53	75	50	0	0	0	1.00E+11	-4.265	Yes	
Plasma serine protease inhibitor	IPI00007221	46 kDa	5	0	7	0	23	23	5.30E+01	0.973		Yes
Interleukin enhancer-binding factor 2	IPI00005198	43 kDa	13	34	27	13	24	23	1.19E+00	-0.193		
Actin-related protein 2/3 complex subunit 2	IPI00005161	34 kDa	2	27	20	52	27	18	1.38E+01	0.653		
Complement C5	IPI00032291	188 kDa	1	0	0	2	0	3	1.68E+00	1.098		
40S ribosomal protein S17	IPI00221093	16 kDa	46	19	21	15	12	13	6.44E+01	-0.708		
Antithrombin-III	IPI00032179	53 kDa	19	13	22	5	16	11	4.76E+00	-0.564		
F-actin-capping protein subunit alpha-1	IPI00005969	33 kDa	46	27	21	28	16	14	1.06E+01	-0.442		
40S ribosomal protein S27-like	IPI00746004	9 kDa	29	34	26	23	23	27	1.12E+00	-0.19		
Isoform 1 of Nuclear pore complex protein Nup155	IPI00026625	155 kDa	5	43	25	33	38	41	1.13E+01	0.517		
Tetratricopeptide repeat protein 24	IPI00657961	63 kDa	2	8	10	9	7	6	5.68E-01	0.141		
Importin subunit beta-1	IPI00001639	97 kDa	14	59	21	27	25	12	6.12E-01	-0.257		
Isoform 2 of Nesprin-2	IPI00239406	799 kDa	3	75	26	8	8	5	3.66E+00	-1.039		
60S acidic ribosomal protein P0	IPI00008530	34 kDa	22	33	24	18	30	20	1.13E+00	-0.159		
NOP2 protein	IPI00654555	93 kDa	19	58	25	35	26	11	1.85E+00	-0.309		
Guanine nucleotide-binding protein subunit beta-2-	IPI00848226	35 kDa	1	8	3	32	29	20	4.80E+05	1.842		Yes
Isoform 3 of DNA topoisomerase 2-alpha	IPI00218753	179 kDa	13	74	35	14	0	0	5.94E+01	-2.419	Yes	
Ribosomal L1 domain-containing protein 1	IPI00008708	55 kDa	6	60	35	23	20	15	8.40E-01	-0.273		
cDNA FLJ78440, highly similar to Human lactoferrin	IPI00298860	78 kDa	0	0	3	2	0	2	4.30E-01	0.289		
L-xylulose reductase	IPI00448095	26 kDa	0	1	0	0	0	1	5.97E-01	-0.008		
60S ribosomal protein L3	IPI00550021	46 kDa	8	24	14	19	21	18	1.46E+00	0.26		
60S ribosomal protein L10	IPI00554723	25 kDa	4	26	13	11	14	9	7.69E-01	-0.171		
Pre-mRNA-processing-splicing factor 8	IPI00007928	274 kDa	6	79	18	9	11	12	2.57E+00	-0.683		
NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 9, mitochondrial	IPI00003968	43 kDa	0	8	0	11	0	0	1.10E+00	0.065		
Putative uncharacterized protein ENSP00000404254	IPI00940766	19 kDa	4	30	19	10	15	16	7.09E-01	-0.129		
Isoform 1 of DNA-dependent protein kinase	IPI00296337	469 kDa	1	54	16	3	26	22	6.25E-01	0.092		
Nuclear pore complex protein Nup133	IPI00291200	129 kDa	12	59	28	33	26	23	5.96E-01	-0.097		
Coagulation factor V	IPI00478809	252 kDa	24	5	11	28	58	46	8.13E+03	1.186		Yes
cDNA FLJ55606, highly similar to Alpha-2-HS-glycoprotein	IPI00022431	47 kDa	76	27	74	0	0	0	1.28E+08	-4.239	Yes	
CD59 glycoprotein	IPI00011302	14 kDa	18	40	13	10	14	11	1.48E+01	-0.63		
60S ribosomal protein L18a	IPI00026202	21 kDa	5	20	9	9	2	9	2.37E+00	-0.463		
60S ribosomal protein L27	IPI00219155	16 kDa	0	9	10	14	15	12	1.16E-01	0.976		
Isoform 1 of Nexilin	IPI00180404	81 kDa	16	30	26	43	12	16	6.52E-01	-0.043		
Elongation factor 2	IPI00186290	95 kDa	2	7	11	18	12	8	4.73E+00	0.569		
SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A member 5	IPI00297211	122 kDa	7	36	18	19	8	8	1.74E+00	-0.489		
Collagen alpha-1(I) chain	IPI00297646	139 kDa	0	3	9	21	14	15	5.42E+01	1.411		Yes
Heterogeneous nuclear ribonucleoprotein K	IPI00514561	48 kDa	10	9	1	8	1	0	1.14E+00	-0.787		
Protein NipSnap homolog 1	IPI00304435	33 kDa	1	1	0	1	0	1	9.08E-01	0.033		
Peroxiredoxin-6	IPI00220301	25 kDa	0	0	0	0	0	1	1.01E+00	0.653		
60S ribosomal protein L17	IPI00413324	21 kDa	3	24	12	16	18	9	8.57E-01	0.184		
Betaine--homocysteine S-methyltransferase 1	IPI00004101	45 kDa	0	2	1	0	0	0	1.74E+00	-1.332		
Isoform 1 of Polypyrimidine tract-binding protein 1	IPI00179964	57 kDa	10	38	14	23	25	22	1.09E+00	0.192		
ATP-dependent RNA helicase DDX24	IPI00006987	96 kDa	11	53	35	16	23	25	1.13E+00	-0.37		
NHP2-like protein 1	IPI00026167	14 kDa	15	41	27	25	17	21	1.53E+00	-0.262		
Isoform 1 of Caldesmon	IPI00014516	93 kDa	1	30	26	32	20	26	2.86E+00	0.455		
40S ribosomal protein S20	IPI00012493	13 kDa	22	9	14	20	12	16	4.50E-01	0.061		
Alpha-internexin	IPI00001453	55 kDa	0	0	0	110	178	165	5.32E+14	4.343		Yes
60S ribosomal protein L28	IPI00182533	16 kDa	5	10	11	13	12	14	1.24E+00	0.371		
Glutamate dehydrogenase 1, mitochondrial	IPI00016801	61 kDa	0	0	0	0	1	1	1.20E+00	1.101		
High mobility group protein HMGI-C	IPI00005996	12 kDa	11	2	6	39	29	29	6.25E+05	1.707		Yes
Isoform 2 of Nuclear mitotic apparatus protein 1	IPI00006196	237 kDa	11	15	1	15	6	5	7.33E-01	0.016		
60S ribosomal protein L19	IPI00025329	23 kDa	5	19	15	18	25	20	5.85E+00	0.436		
Isoform 1 of Nuclear pore membrane glycoprotein	IPI00291755	205 kDa	0	0	0	62	62	48	2.19E+11	4.25		Yes
Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1	IPI00026268	37 kDa	10	13	4	2	4	2	3.09E+01	-1.086	Yes	
Splicing factor 3B subunit 1	IPI00026089	146 kDa	8	49	18	15	21	17	6.18E-01	-0.158		
Isoform 4 of Treacle protein	IPI00815713	156 kDa	6	44	12	25	6	3	1.47E+00	-0.537		
V-type proton ATPase 16 kDa proteolipid subunit	IPI00018855	16 kDa	8	13	7	25	30	12	1.38E+02	0.802		
Hyaluronan and proteoglycan link protein 1	IPI00023601	40 kDa	0	0	0	49	39	44	4.36E+10	3.69		Yes
cDNA FLJ60076, highly similar to ELAV-like protein 1	IPI00301936	39 kDa	15	22	21	21	24	29	1.35E+00	0.221		

			GEnC spectral count			Podocyte spectral count			QSpec analysis			
Protein name	IPI accession	Molecular weight	Repeat 1	Repeat 2	Repeat 3	Repeat 1	Repeat 2	Repeat 3	Bayes factor	ln(fold change)	Significant: GEnC enriched	Significant: Podocyte enriched
60S ribosomal protein L34	IPI00219160	13 kDa	4	13	12	14	14	11	1.48E+00	0.311		
E3 SUMO-protein ligase RanBP2	IPI00221325	358 kDa	4	34	19	25	32	21	3.15E+00	0.405		
Isoform Long of Laminin subunit gamma-2	IPI00015117	131 kDa	2	6	4	32	62	46	1.68E+07	2.293		Yes
Isoform 1 of Splicing factor 3B subunit 3	IPI00300371	136 kDa	6	36	16	20	26	23	1.59E+00	0.273		
Isoform 1 of Heterogeneous nuclear	IPI00018140	70 kDa	0	77	43	43	40	32	6.00E-03	0.537		
Isoform 1 of Serine beta-lactamase-like protein LACTB, mitochondrial	IPI00294186	61 kDa	8	45	21	38	40	28	5.56E+00	0.444		
Actin-related protein 3	IPI00028091	47 kDa	5	28	19	33	8	8	8.31E-01	-0.106		
Isoform A1-B of Heterogeneous nuclear	IPI00215965	39 kDa	9	18	11	12	21	12	8.99E-01	0.152		
Isoform 1 of Heterogeneous nuclear	IPI00419373	40 kDa	14	17	6	16	12	12	8.77E-01	0.075		
Putative pre-mRNA-splicing factor ATP-dependent RNA helicase DHX15	IPI00396435	91 kDa	12	51	18	10	10	15	6.63E+00	-0.689		
Isoform 1 of Electron transfer flavoprotein subunit	IPI00004902	28 kDa	0	16	3	2	0	0	2.57E+00	-1.412		
Protein S100-A6	IPI00027463	10 kDa	15	18	19	17	13	17	6.22E-01	-0.119		
Phosphoglycerate kinase 1	IPI00169383	45 kDa	3	0	3	4	5	0	7.65E-01	0.297		
Myosin-Id	IPI00329719	116 kDa	3	14	21	0	0	0	5.82E+02	-2.917	Yes	
Isoform 1 of Nucleolar protein 6	IPI00152890	128 kDa	15	42	31	18	20	16	4.80E+00	-0.456		
Cytoplasmic dynein 1 heavy chain 1	IPI00456969	532 kDa	0	8	2	0	2	0	4.37E+00	-1.088		
V-type proton ATPase subunit B, brain isoform	IPI00007812	57 kDa	8	30	0	24	13	8	1.08E-01	0.62		
Isoform alpha-enolase of Alpha-enolase	IPI00465248	47 kDa	0	2	0	2	1	0	7.72E-01	0.303		
H/ACA ribonucleoprotein complex subunit 4	IPI00221394	58 kDa	13	66	12	9	14	8	8.86E+00	-0.806		
Serine protease HTRA1	IPI00003176	51 kDa	95	10	21	3	0	0	2.67E+03	-2.821	Yes	
Signal recognition particle 14 kDa protein	IPI00293434	15 kDa	15	17	23	21	24	22	1.04E+00	0.2		
Angiopoietin-related protein 4	IPI00153060	45 kDa	48	6	16	3	1	4	1.64E+02	-1.764	Yes	
Neprilysin	IPI00247063	86 kDa	2	9	1	1	0	0	2.60E+00	-1.512		
Isoform 2 of Vinculin	IPI00307162	124 kDa	0	0	0	0	2	3	3.22E+00	1.523		
Serum deprivation-response protein	IPI00005809	47 kDa	19	41	37	4	3	2	4.74E+05	-2.071	Yes	
Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1 precursor	IPI00025874	73 kDa	8	31	18	44	22	12	1.19E+00	0.309		
Emerin	IPI00032003	29 kDa	7	33	15	16	15	13	6.04E-01	-0.15		
Bifunctional aminoacyl-tRNA synthetase	IPI00013452	171 kDa	2	49	46	6	18	19	7.95E-01	-0.436		
2-oxoglutarate dehydrogenase, mitochondrial	IPI00098902	116 kDa	0	1	1	0	0	0	1.48E+00	-1.007		
Tubulin beta-3 chain	IPI00013683	50 kDa	0	60	0	107	90	0	6.21E+00	1.717		
Isoform 1 of CD44 antigen	IPI00305064	82 kDa	13	31	15	14	20	11	1.17E+00	-0.276		
NADH-ubiquinone oxidoreductase 75 kDa subunit	IPI00604664	81 kDa	0	1	0	14	0	0	1.77E+00	0.854		
Profilin-1	IPI00216691	15 kDa	0	10	7	14	14	15	1.06E+00	0.944		
ATP-dependent RNA helicase DDX18	IPI00301323	75 kDa	0	39	18	19	24	24	4.10E-02	0.546		
MAD1 mitotic arrest deficient-like 1	IPI00873518	92 kDa	6	39	33	15	30	14	8.80E-01	-0.156		
Isoform 1 of Erlin-2	IPI00026942	38 kDa	11	23	7	27	12	11	6.40E-01	0.205		
Myosin regulatory light polypeptide 9	IPI00220278	20 kDa	70	25	89	79	50	47	8.15E-01	0.003		
60S ribosomal protein L27a	IPI00456758	17 kDa	5	7	9	8	8	9	6.49E-01	0.179		
V-type proton ATPase subunit d 1	IPI00034159	40 kDa	4	20	4	32	23	18	3.10E+02	0.986		Yes
HSPA5 protein	IPI00003362	72 kDa	0	13	4	6	17	10	6.55E-01	0.749		
NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 4	IPI00011770	9 kDa	6	15	6	14	7	4	5.95E-01	-0.084		
60S ribosomal protein L5	IPI00000494	34 kDa	0	9	9	15	33	22	4.40E+01	1.364		Yes
Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-12	IPI00221232	8 kDa	13	37	10	13	8	6	7.73E+00	-0.702		
Aspartate aminotransferase, cytoplasmic	IPI00219029	46 kDa	0	1	0	0	0	0	1.12E+00	-0.66		
Actin-related protein 2/3 complex subunit 4	IPI00554811	20 kDa	10	8	15	25	19	17	2.56E+01	0.601		
Ribosome production factor 2 homolog	IPI00396329	36 kDa	11	20	11	29	23	10	2.74E+00	0.368		
Small nuclear ribonucleoprotein F	IPI00220528	10 kDa	16	42	9	34	30	19	1.28E+00	0.259		
Transgelin	IPI00216138	23 kDa	0	6	4	1	9	9	7.76E-01	0.532		
40S ribosomal protein S26	IPI00655650	13 kDa	4	7	4	13	18	11	1.03E+02	0.996		Yes
Glyoxylate reductase/hydroxypyruvate reductase	IPI00037448	36 kDa	1	0	0	0	0	0	1.12E+00	-0.673		
Isoform 1 of Laminin subunit alpha-4	IPI00329482	203 kDa	13	74	22	0	0	0	2.49E+05	-3.598	Yes	
Isoform 1 of Pinin	IPI00789041	82 kDa	5	53	20	3	10	6	7.70E+00	-1.116		
Mitochondrial carrier homolog 2	IPI00003833	33 kDa	0	16	2	34	4	4	3.79E-01	0.749		
2,4-dienoyl-CoA reductase, mitochondrial	IPI00003482	36 kDa	0	7	3	3	6	5	3.50E-01	0.359		
Isoform 1 of Uncharacterized protein C1orf77	IPI00300990	26 kDa	9	25	21	18	19	16	6.08E-01	-0.029		
cDNA FLJ54957, highly similar to Transketolase	IPI00643920	69 kDa	0	0	0	0	0	1	1.01E+00	0.653		
Heat shock 70 kDa protein 1A/1B	IPI00304925	70 kDa	0	14	0	11	12	11	1.96E-01	1.286		
Bone marrow stromal antigen 2	IPI00026241	20 kDa	21	37	27	0	0	0	5.52E+07	-3.418	Yes	
Hornerin	IPI00398625	282 kDa	40	5	13	10	4	14	1.42E+00	-0.511		
Histone H2A.V	IPI00018278	14 kDa	62	103	66	99	66	62	4.96E-01	-0.011		
Collagen alpha-2(V) chain	IPI00739099	145 kDa	1	25	35	2	2	0	2.07E+01	-2.064	Yes	
Charged multivesicular body protein 2a	IPI00004416	25 kDa	1	13	5	6	3	2	1.02E+00	-0.439		
Sin3A-associated protein, 18kDa	IPI00011698	20 kDa	1	10	13	7	16	13	1.08E+00	0.488		
Cytochrome c oxidase subunit 6C	IPI00015972	9 kDa	3	14	4	19	3	4	7.24E-01	0.144		
Protein kinase C delta-binding protein	IPI00056334	28 kDa	3	12	8	29	49	33	3.29E+05	1.498		Yes
Transducin beta-like protein 3	IPI00477971	89 kDa	8	32	22	29	15	10	9.61E-01	-0.137		
Core histone macro-H2A.2	IPI00220994	40 kDa	0	0	0	31	20	11	9.25E+04	3.308		Yes
cDNA FLJ55508, highly similar to Sad1/unc-84-like	IPI00295940	84 kDa	2	42	15	0	1	0	1.18E+02	-2.69	Yes	
Isoform 6 of Titin	IPI00783950	632 kDa	1	3	0	6	9	5	1.04E+01	1.396		Yes
T-complex protein 1 subunit zeta	IPI00027626	58 kDa	2	11	8	20	14	12	3.37E+01	0.775		
Isoform Beta-2 of DNA topoisomerase 2-beta	IPI00027280	183 kDa	11	75	9	21	5	2	6.22E+00	-0.906		
Transmembrane emp24 domain-containing protein	IPI00023542	27 kDa	12	27	12	31	18	14	5.24E-01	0.223		
Cytochrome c oxidase subunit 2	IPI00017510	26 kDa	2	6	0	21	2	1	4.65E-01	0.591		
60S ribosomal protein L36	IPI00216237	12 kDa	3	15	12	6	13	10	4.30E-01	0.013		
Poly(rC)-binding protein 1	IPI00016610	37 kDa	1	6	0	0	2	2	7.44E-01	-0.286		
Isoform 1 of Heparin-binding growth factor 2	IPI00946154	31 kDa	16	23	22	21	17	12	9.41E-01	-0.186		
Isoform Mitochondrial of Fumarate hydratase,	IPI00296053	55 kDa	0	0	0	0	0	1	1.01E+00	0.653		
Beta-2-microglobulin	IPI00004656	14 kDa	2	4	1	2	0	0	8.38E-01	-0.887		
HEAT repeat-containing protein 1	IPI00024279	242 kDa	14	33	16	11	15	14	2.65E+00	-0.414		
Isoform Gamma-A of Fibrinogen gamma chain	IPI00219713	49 kDa	0	0	0	0	1	0	1.12E+00	0.642		
Actin-related protein 2	IPI00005159	45 kDa	10	5	4	33	15	14	3.00E+02	1.164		Yes
Golgi-associated plant pathogenesis-related protein	IPI00007067	17 kDa	15	14	18	12	12	15	5.87E-01	-0.17		
Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase	IPI00420108	49 kDa	0	7	0	0	0	0	3.04E+00	-1.297		
WD repeat-containing protein 36	IPI00169325	105 kDa	5	29	23	26	19	11	8.20E-01	0.068		
Matrix Gla protein	IPI00028714	12 kDa	48	47	23	2	0	0	8.17E+06	-3.021	Yes	
60S ribosomal protein L29	IPI00419919	18 kDa	7	17	18	23	26	21	1.31E+01	0.485		
Prothrombin (Fragment)	IPI00019568	70 kDa	4	0	18	4	13	4	3.88E-01	0.247		
Ras-related protein Rab-8A	IPI00028481	24 kDa	6	12	7	16	23	20	1.57E+02	0.814		
cDNA FLJ51825, highly similar to Single-stranded DNA-binding protein, mitochondrial	IPI00922415	19 kDa	2	3	4	5	5	5	1.11E+00	0.432		
40S ribosomal protein S23	IPI00218606	16 kDa	3	17	9	10	15	4	6.13E-01	0.014		
Isoform 2 of Tropomyosin beta chain	IPI00220709	33 kDa	132	132	86	80	47	76	1.58E+03	-0.54		
Isoform 1 of Serine/threonine-protein phosphatase PGAM5, mitochondrial	IPI00788907	32 kDa	7	13	14	19	20	18	7.25E+00	0.487		
Pumilio domain-containing protein KIAA0020	IPI00791325	77 kDa	2	45	10	7	11	4	9.26E-01	-0.466		
V-type proton ATPase subunit E 1	IPI00003856	26 kDa	3	31	8	30	18	18	8.84E+00	0.631		
Isoform 2 of Heat shock protein HSP 90-alpha	IPI00382470	98 kDa	3	8	0	6	2	6	3.51E-01	0.329		
Dermcidin isoform 2	IPI00847793	12 kDa	48	8	17	20	10	21	9.15E-01	-0.236		
Fibrinogen beta chain	IPI00298497	56 kDa	0	0	0	2	2	4	3.45E+00	1.849		
Isoform 1 of Voltage-dependent anion-selective channel protein 3	IPI00031804	31 kDa	2	23	7	35	9	8	2.14E+00	0.497		
Isoform 1 of Protein KIAA1967	IPI00182757	103 kDa	12	36	18	8	8	10	4.22E+01	-0.848		
Metaxin-2	IPI00025717	30 kDa	1	32	5	35	24	17	1.56E+02	1.18		Yes
Endoplasmin	IPI00027230	92 kDa	5	29	4	1	0	0	4.73E+01	-2.447	Yes	
Isoform SERCA2B of Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	IPI00219078	115 kDa	1	54	6	29	3	0	3.36E-01	-0.477		

			GEnC spectral count			Podocyte spectral count			QSpec analysis			
Protein name	IPI accession	Molecular weight	Repeat 1	Repeat 2	Repeat 3	Repeat 1	Repeat 2	Repeat 3	Bayes factor	ln(fold change)	Significant: GEnC enriched	Significant: Podocyte enriched
Isoform Beta of Nucleolar and coiled-body	IPI00216654	75 kDa	6	32	10	12	12	4	1.13E+00	-0.396		
Isoform 1 of X-ray radiation resistance-associated	IPI00853095	90 kDa	0	2	1	0	0	1	1.05E+00	-0.604		
Propionyl-CoA carboxylase beta chain,	IPI00007247	58 kDa	0	1	2	0	1	1	9.96E-01	-0.264		
ATP synthase subunit g, mitochondrial	IPI00027448	11 kDa	4	16	6	19	5	5	4.00E-01	0.073		
Protein transport protein Sec61 subunit beta	IPI00220835	10 kDa	6	33	6	17	25	11	1.47E+00	0.261		
Probable ATP-dependent RNA helicase DDX5	IPI00017617	69 kDa	5	18	13	5	2	1	2.01E+02	-1.383	Yes	
Isoform 1 of von Willebrand factor A domain-containing protein 1	IPI00396383	47 kDa	3	22	0	0	0	0	2.14E+01	-2.085	Yes	
Cytochrome b-c1 complex subunit 8	IPI00024742	10 kDa	1	8	1	3	1	1	8.65E-01	-0.465		
116 kDa U5 small nuclear ribonucleoprotein	IPI00003519	109 kDa	7	44	8	4	4	13	2.47E+00	-0.735		
Tubulin beta-2A chain	IPI00013475	50 kDa	0	0	0	142	132	0	1.53E+03	2.815		Yes
Small nuclear ribonucleoprotein Sm D2	IPI00017963	14 kDa	9	12	18	13	15	7	4.17E-01	-0.076		
Isoform 1 of RNA-binding protein 14	IPI00013174	69 kDa	1	13	23	9	19	32	3.82E+00	0.583		
60S ribosomal protein L32	IPI00395998	16 kDa	3	7	8	11	15	10	6.79E+00	0.707		
Collagen alpha-1(V) chain	IPI00844090	184 kDa	0	16	27	0	4	3	2.05E+02	-1.335	Yes	
Macrophage migration inhibitory factor	IPI00293276	12 kDa	0	0	0	3	4	2	2.91E+00	1.997		
Isoform 1 of Mitochondrial dicarboxylate carrier	IPI00015920	31 kDa	0	0	0	13	7	8	1.13E+02	2.676		Yes
Isoform DPI of Desmoplakin	IPI00013933	332 kDa	11	0	7	3	0	3	3.43E+00	-0.903		
Calcium-binding mitochondrial carrier protein	IPI00007084	74 kDa	0	16	2	32	4	4	3.80E-01	0.815		
THO complex 4	IPI00328840	28 kDa	6	21	13	14	14	20	9.44E-01	0.179		
Transitional endoplasmic reticulum ATPase	IPI00022774	89 kDa	3	23	7	6	4	2	2.83E+00	-0.82		
51 kDa protein	IPI00479191	51 kDa	3	9	3	7	2	4	5.85E-01	-0.121		
Sorting and assembly machinery component 50	IPI00412713	52 kDa	5	15	7	27	17	14	4.44E+01	0.718		
Isoform 1 of Nucleoporin NUP188 homolog	IPI00477040	196 kDa	0	22	8	5	30	23	1.36E-01	0.897		
Isoform 1 of Putative L-aspartate dehydrogenase	IPI00419903	30 kDa	1	0	1	2	3	3	1.58E+00	1.018		
Isoform 1 of Pyruvate dehydrogenase E1 component subunit beta, mitochondrial	IPI00003925	39 kDa	0	0	0	1	0	0	1.09E+00	0.678		
T-complex protein 1 subunit alpha	IPI00290566	60 kDa	1	3	0	15	17	16	1.64E+04	2.203		Yes
Actin-related protein 2/3 complex subunit 3	IPI00005162	21 kDa	7	10	11	19	12	10	2.64E+00	0.365		
Protein mago nashi homolog 2	IPI00059292	17 kDa	8	16	23	9	15	14	6.44E-01	-0.188		
B-cell receptor-associated protein 31	IPI00218200	28 kDa	11	26	8	21	9	7	7.82E-01	-0.215		
Isoform 1 of Latent-transforming growth factor beta-binding protein 4	IPI00873371	173 kDa	2	0	0	11	25	30	3.61E+04	2.72		Yes
Protein disulfide-isomerase	IPI00010796	57 kDa	3	25	1	19	8	7	1.66E+00	0.564		
Isoform A of Nucleoporin SEH1	IPI00185533	40 kDa	4	24	20	15	16	14	6.19E-01	-0.019		
Isoform 2 of V-type proton ATPase 116 kDa subunit a isoform 1	IPI00743576	96 kDa	0	1	2	46	30	18	1.09E+06	2.772		Yes
Dystonin	IPI00642259	857 kDa	3	1	0	6	7	4	3.39E+00	1.427		
Small nuclear ribonucleoprotein Sm D1	IPI00302850	13 kDa	2	21	7	14	25	17	1.57E+01	0.737		
Isoform B of Fibulin-1	IPI00218803	77 kDa	0	9	2	36	15	16	2.19E+02	1.85		Yes
Isoform Beta-1A of Integrin beta-1	IPI00217563	88 kDa	2	5	0	0	2	0	1.47E+00	-0.93		
Transmembrane protein C9orf46	IPI00307547	17 kDa	0	22	0	47	2	1	4.29E-01	0.82		
Nuclear pore complex protein Nup85	IPI00790530	75 kDa	8	24	15	16	21	13	7.08E-01	0.07		
Tubulin alpha-1A chain	IPI00180675	50 kDa	0	0	0	0	102	0	1.84E+00	1.247		
NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 4	IPI00220059	15 kDa	2	4	2	12	2	0	9.78E-01	0.21		
Inter-alpha-trypsin inhibitor heavy chain H2	IPI00305461	106 kDa	11	6	13	14	15	19	4.63E+00	0.464		
Ras-related protein Rab-5C	IPI00016339	23 kDa	5	13	10	11	12	10	1.13E+00	0.175		
Ubiquitin-like modifier-activating enzyme 1	IPI00645078	118 kDa	6	1	5	7	1	1	7.76E-01	-0.311		
Glutathione S-transferase kappa 1	IPI00219673	25 kDa	0	6	0	0	0	0	4.10E+00	-1.266		
Isoform 1 of Coiled-coil domain-containing protein	IPI00260630	108 kDa	1	0	5	5	41	39	2.13E+02	2.246		Yes
Isoform 1 of Double-stranded RNA-specific adenosine deaminase	IPI00394665	136 kDa	0	27	14	0	16	11	4.33E-01	-0.261		
H/ACA ribonucleoprotein complex subunit 3	IPI00032853	8 kDa	5	30	15	15	11	8	9.19E-01	-0.318		
Isoform 1 of Tropomyosin alpha-4 chain	IPI00010779	29 kDa	111	123	62	85	39	57	4.40E+01	-0.487		
Carbonic anhydrase 2	IPI00218414	29 kDa	0	0	0	0	1	0	1.12E+00	0.642		
Isoform 1 of Drebrin	IPI00003406	71 kDa	15	8	4	30	5	5	7.63E-01	0.193		
Aspartyl-tRNA synthetase, cytoplasmic	IPI00216951	57 kDa	4	42	11	8	6	6	2.04E+00	-0.701		
Transgelin-2	IPI00550363	22 kDa	1	3	3	5	13	12	1.68E+02	1.428		Yes
Isoform 1 of Sacsin	IPI00795015	521 kDa	12	8	9	13	15	10	1.09E+00	0.271		
Transmembrane emp24 domain-containing protein	IPI00028055	25 kDa	8	8	8	26	12	10	7.23E+00	0.565		
Isoleucyl-tRNA synthetase, cytoplasmic	IPI00644127	145 kDa	2	46	15	0	7	3	2.31E+00	-1.376		
Sarcoma antigen NY-SAR-22 (Fragment)	IPI00384447	30 kDa	1	4	5	7	9	15	4.75E+01	1.046		Yes
EMILIN-2	IPI00012510	116 kDa	0	0	0	0	0	5	5.61E+00	1.227		
Isoform 1 of Filamin-C	IPI00178352	291 kDa	60	97	92	5	15	15	8.19E+07	-1.891	Yes	
Splicing factor, arginine/serine-rich 3	IPI00010204	19 kDa	0	5	1	2	8	6	6.69E-01	0.997		
Isoform 4 of Voltage-dependent calcium channel subunit alpha-2/delta-1	IPI00953262	122 kDa	11	22	10	0	25	13	7.20E-02	-0.475		
Nucleolar complex protein 2 homolog	IPI00411886	85 kDa	10	41	13	8	2	0	3.19E+01	-1.708	Yes	
EH domain-containing protein 4	IPI00005578	61 kDa	1	2	1	0	0	1	8.38E-01	-0.929		
Isoform 1 of RRP12-like protein	IPI00101186	144 kDa	6	36	5	10	5	8	1.50E+00	-0.396		
Ras-related protein Rap-1b	IPI00015148	21 kDa	5	5	8	7	15	11	3.72E+00	0.606		
Major histocompatibility complex, class I, A	IPI00894325	41 kDa	8	24	3	4	3	0	4.14E+00	-1.304		
Probable ATP-dependent RNA helicase DDX27	IPI00293078	90 kDa	6	42	8	5	9	1	7.98E+00	-1.016		
chaperonin containing TCP1, subunit 3 isoform b	IPI00290770	60 kDa	0	13	3	7	8	5	3.04E-01	0.449		
Golgin subfamily B member 1	IPI00004671	376 kDa	3	2	4	4	1	1	7.65E-01	-0.319		
31 kDa protein	IPI00742875	31 kDa	7	1	12	13	36	23	9.21E+02	1.316		Yes
PDZ and LIM domain protein 1	IPI00010414	36 kDa	6	0	1	2	3	2	4.71E-01	0.228		
T-complex protein 1 subunit eta	IPI00018465	59 kDa	1	16	3	17	14	8	1.36E+01	0.846		
Eukaryotic initiation factor 4A-I	IPI00025491	46 kDa	1	8	5	7	11	5	1.66E+00	0.461		
Tropomodulin-3	IPI00005087	40 kDa	19	17	7	6	8	7	1.13E+01	-0.684		
Splicing factor 3A subunit 1	IPI00017451	89 kDa	2	10	8	2	12	9	6.78E-01	0.129		
Isoform Complexed of Arginyl-tRNA synthetase,	IPI00004860	75 kDa	0	25	19	0	9	10	3.65E+00	-0.63		
Actin-related protein 2/3 complex subunit 1B	IPI00005160	41 kDa	8	17	12	17	11	11	6.74E-01	0.061		
glutathione peroxidase 1 isoform 1	IPI00927606	22 kDa	10	17	9	12	15	16	7.62E-01	0.195		
Isoform 1 of ADAMTS-like protein 4	IPI00374068	117 kDa	0	0	0	17	21	25	1.66E+06	3.334		Yes
6-phosphofructokinase type C	IPI00009790	86 kDa	2	2	7	9	23	11	2.64E+02	1.253		Yes
cDNA FLJ52398, highly similar to Cadherin-13	IPI00024046	83 kDa	6	13	4	11	14	14	2.56E+00	0.494		
Citrate synthase, mitochondrial	IPI00025366	52 kDa	0	0	1	0	0	0	1.22E+00	-0.651		
Actin/actin-like family protein	IPI00556231	25 kDa	3	1	2	0	4	2	5.62E-01	-0.064		
Myeloid-associated differentiation marker	IPI00102685	35 kDa	20	36	9	9	6	8	2.53E+01	-0.971	Yes	
Heterogeneous nuclear ribonucleoprotein A0	IPI00011913	31 kDa	14	10	10	12	23	15	2.05E+00	0.378		
14-3-3 protein gamma	IPI00220642	28 kDa	3	2	1	18	7	3	3.52E+01	1.284		Yes
Nucleolar protein 16	IPI00032849	21 kDa	2	17	10	5	10	11	7.35E-01	-0.075		
Isoform 1 of 40S ribosomal protein S24	IPI00029750	15 kDa	1	5	7	9	13	11	1.97E+01	0.922		
Isoform 1 of Keratin, type I cytoskeletal 13	IPI00009866	50 kDa	83	80	65	221	261	218	4.44E+11	1.134		Yes
DNA-directed RNA polymerases I, II, and III subunit	IPI00291093	25 kDa	9	25	13	12	10	10	1.57E+00	-0.334		
Alpha-aminoadipic semialdehyde dehydrogenase	IPI00936002	55 kDa	1	3	0	0	0	0	2.18E+00	-1.402		
cDNA FLJ56425, highly similar to Very-long-chain specific acyl-CoAdehydrogenase, mitochondrial	IPI00028031	75 kDa	0	1	0	0	0	0	1.12E+00	-0.66		
Galectin-3-binding protein	IPI00023673	65 kDa	3	11	5	7	1	1	2.22E+00	-0.769		
Thioredoxin-dependent peroxide reductase,	IPI00024919	28 kDa	0	3	1	3	2	2	6.73E-01	0.458		
ASPN protein	IPI00418431	44 kDa	0	0	0	1	0	0	1.09E+00	0.678		
Eukaryotic translation initiation factor 6	IPI00010105	27 kDa	7	17	18	12	11	12	7.09E-01	-0.157		
Isoform 1 of RNA-binding protein 8A	IPI00001757	20 kDa	11	19	15	10	17	11	4.09E-01	-0.149		
Isoform 3 of Protein AHNAK2	IPI00884904	606 kDa	1	0	0	0	0	2	5.78E-01	0.286		
Isoform 1 of Actin-related protein 2/3 complex	IPI00550234	16 kDa	3	6	5	24	16	12	1.97E+03	1.269		Yes
U3 small nucleolar ribonucleoprotein protein	IPI00012149	79 kDa	16	17	19	11	11	4	1.90E+01	-0.696		
NADH dehydrogenase [ubiquinone] iron-sulfur protein 3, mitochondrial	IPI00025796	30 kDa	0	4	0	0	1	0	1.03E+00	-0.621		
Ras GTPase-activating-like protein IQGAP1	IPI00009342	189 kDa	2	3	7	3	2	1	1.26E+00	-0.569		
Phosphoglycerate mutase 1	IPI00549725	29 kDa	0	0	2	0	6	4	4.06E+00	1.208		

			GEnC spectral count			Podocyte spectral count			QSpec analysis			
Protein name	IPI accession	Molecular weight	Repeat 1	Repeat 2	Repeat 3	Repeat 1	Repeat 2	Repeat 3	Bayes factor	ln(fold change)	Significant: GEnC enriched	Significant: Podocyte enriched
Protein S100-A8	IPI00007047	11 kDa	5	5	3	2	1	0	3.33E+00	-1.169		
Signal recognition particle 9 kDa protein	IPI00642816	10 kDa	4	21	7	9	9	8	6.88E-01	-0.126		
F-actin-capping protein subunit alpha-2	IPI00026182	33 kDa	38	17	12	20	14	11	1.49E+00	-0.344		
Microsomal glutathione S-transferase 3	IPI00024266	17 kDa	5	11	6	20	7	6	1.05E+00	0.327		
Isoform 1 of Leucine zipper protein 1	IPI00296830	120 kDa	2	15	3	4	0	2	9.05E-01	-0.956		
Nucleolar protein 11	IPI00303813	81 kDa	0	18	10	15	15	9	1.72E-01	0.531		
Carnitine O-palmitoyltransferase 2, mitochondrial	IPI00012912	74 kDa	0	2	0	0	0	0	1.48E+00	-0.931		
Apolipoprotein C-III variant 1	IPI00657670	13 kDa	1	0	1	0	0	0	1.25E+00	-1.04		
Isoform 1 of Charged multivesicular body protein 1a	IPI00382452	22 kDa	0	12	14	1	1	1	3.83E+02	-1.669	Yes	
60S ribosomal protein L37a	IPI00414860	10 kDa	5	11	6	6	4	2	3.17E+00	-0.525		
Collagen alpha-2(I) chain	IPI00304962	129 kDa	0	0	3	0	0	0	8.98E-01	-1.104		
Calponin-3	IPI00216682	36 kDa	0	0	0	33	28	30	6.99E+08	3.911		Yes
Putative uncharacterized protein ABI3BP (Fragment)	IPI00939199	115 kDa	23	16	23	0	0	0	3.33E+06	-3.222	Yes	
Isoform 1 of Myelin expression factor 2	IPI00555833	64 kDa	1	12	5	10	19	8	6.90E+00	0.766		
Charged multivesicular body protein 1b	IPI00156984	22 kDa	0	15	8	0	1	1	1.29E+02	-1.772	Yes	
Isoform 1 of NADH dehydrogenase [ubiquinone] flavoprotein 1, mitochondrial	IPI00028520	51 kDa	0	0	0	4	0	0	2.38E+00	1.178		
Chloride intracellular channel protein 1	IPI00010896	27 kDa	7	7	9	11	6	6	6.32E-01	-0.016		
hypothetical protein XP_002343862	IPI00937212	7 kDa	3	7	0	12	4	3	5.47E-01	0.605		
Barrier-to-autointegration factor	IPI00026087	10 kDa	0	8	1	10	7	5	1.81E+00	0.807		
U2 small nuclear ribonucleoprotein A'	IPI00297477	28 kDa	0	20	8	10	7	5	8.36E-01	-0.049		
Probable U3 small nucleolar RNA-associated protein	IPI00180454	30 kDa	0	16	12	13	13	9	7.70E-02	0.368		
Mucin-16	IPI00103552	2353 kDa	4	2	3	0	0	1	1.60E+00	-1.478		
Isoform 1 of CD109 antigen	IPI00152540	162 kDa	4	30	1	0	7	4	3.42E-01	-0.597		
Isoform 1 of Ribosomal RNA processing protein 1	IPI00290952	84 kDa	2	34	12	2	5	1	1.19E+01	-1.364	Yes	
40S ribosomal protein S15	IPI00479058	17 kDa	4	1	6	7	18	8	3.51E+01	0.937		
Isoform 1 of Heterogeneous nuclear	IPI00028888	38 kDa	0	10	3	2	0	0	5.43E+00	-1.32		
Transmembrane protein 43	IPI00301280	45 kDa	10	35	12	2	0	0	1.04E+03	-2.677	Yes	
14-3-3 protein zeta/delta	IPI00021263	28 kDa	0	7	4	11	14	7	3.39E+00	1.104		
Isoform 1 of Collagen alpha-1(VII) chain	IPI00025418	295 kDa	1	0	2	2	10	8	1.43E+01	1.602		Yes
59 kDa protein	IPI00302925	59 kDa	0	9	0	9	2	6	2.01E-01	0.963		
Unhealthy ribosome biogenesis protein 2 homolog	IPI00028980	171 kDa	5	19	15	4	11	4	6.11E+00	-0.694		
Isoform 1 of Gremlin-1	IPI00298476	21 kDa	0	0	1	10	17	30	1.55E+04	2.814		Yes
Neuroblast differentiation-associated protein	IPI00021812	629 kDa	0	8	2	0	0	1	7.60E+00	-1.478		
T-complex protein 1 subunit delta	IPI00302927	58 kDa	0	4	1	15	8	8	6.48E+01	1.621		Yes
Dynein light chain 1, cytoplasmic	IPI00019329	10 kDa	3	17	7	8	9	8	5.85E-01	-0.018		
Keratin, type II cuticular Hb5	IPI00032541	56 kDa	46	60	62	50	51	64	5.30E-01	-0.01		
Isoform 1 of KH domain-containing, RNA-binding, signal transduction-associated protein 1	IPI00008575	48 kDa	4	14	9	10	8	7	5.79E-01	-0.052		
Novel protein	IPI00550547	70 kDa	1	7	0	7	9	5	1.25E+00	1.016		
Isoform 1 of 3-hydroxyacyl-CoA dehydrogenase type-	IPI00017726	27 kDa	0	10	0	0	0	0	4.42E+00	-1.265		
Putative uncharacterized protein DKFZp686H17246	IPI00792115	18 kDa	5	1	6	11	28	26	4.11E+03	1.38		Yes
Ras-related protein Rab-11B	IPI00020436	24 kDa	0	15	8	10	7	5	1.82E-01	0.126		
Insulin-like growth factor-binding protein 7	IPI00016915	29 kDa	2	18	24	10	0	1	2.17E+00	-1.416		
Enhancer of rudimentary homolog	IPI00029631	12 kDa	5	20	7	5	4	4	7.23E+00	-0.824		
Probable ATP-dependent RNA helicase DDX56	IPI00302281	62 kDa	5	23	11	3	8	5	7.67E+00	-0.779		
splicing factor 3B subunit 2	IPI00221106	100 kDa	4	14	2	2	1	0	6.12E+00	-1.49		
Carboxymethylenebutenolidase homolog	IPI00383046	28 kDa	0	0	0	1	1	0	1.36E+00	1.063		
Isoform 1 of Triosephosphate isomerase	IPI00797270	27 kDa	0	2	3	2	5	4	7.62E-01	0.703		
Isoform 1 of Serine/arginine repetitive matrix	IPI00782992	300 kDa	8	3	0	4	2	3	7.75E-01	-0.095		
33 kDa protein	IPI00413108	33 kDa	0	6	0	13	15	14	9.43E+00	1.821		
Nucleolar GTP-binding protein 1	IPI00385042	74 kDa	0	31	6	8	0	3	2.30E+00	-0.557		
Isoform 1 of Trans-2,3-enoyl-CoA reductase	IPI00100656	36 kDa	1	15	6	19	7	4	9.93E-01	0.319		
Magnesium transporter protein 1	IPI00515117	38 kDa	5	16	11	21	8	4	8.21E-01	-0.014		
WD repeat-containing protein 18	IPI00032533	47 kDa	3	18	15	16	11	15	6.70E-01	0.211		
Isoform 1 of Heterogeneous nuclear	IPI00013877	37 kDa	1	14	0	0	3	5	5.75E-01	-0.119		
Peptidyl-prolyl cis-trans isomerase B	IPI00646304	24 kDa	0	5	0	0	0	1	1.16E+00	-0.728		
ATP-dependent RNA helicase DDX3X	IPI00215637	73 kDa	1	15	2	3	2	1	1.53E+00	-0.676		
Nucleoporin NUP53	IPI00329650	35 kDa	3	15	6	16	12	17	7.06E+00	0.669		
Isoform Long of Latent-transforming growth factor beta-binding protein 1	IPI00784258	187 kDa	0	8	7	0	0	1	2.65E+01	-1.748	Yes	
Nucleolar complex protein 3 homolog	IPI00102815	93 kDa	1	23	0	5	0	3	7.02E-01	-0.136		
Protocadherin Fat 1	IPI00940698	506 kDa	0	0	0	17	17	11	8.52E+04	2.889		Yes
V-type proton ATPase subunit D	IPI00001568	28 kDa	0	10	1	18	15	8	8.98E+00	1.545		
ADP-ribosylation factor 4	IPI00215918	21 kDa	10	8	8	14	15	13	3.29E+00	0.463		
U2 small nuclear ribonucleoprotein B''	IPI00029267	25 kDa	4	10	10	6	8	7	6.63E-01	-0.112		
Isoform 1 of THO complex subunit 1	IPI00305374	76 kDa	0	26	12	8	10	4	2.75E+00	-0.258		
Putative uncharacterized protein IFITM1 (Fragment)	IPI00871741	11 kDa	9	20	12	0	0	0	4.68E+03	-2.978	Yes	
Isoform 3 of LIM domain only protein 7	IPI00291802	154 kDa	6	0	0	4	3	3	2.08E-01	0.746		
Isoform 2 of Pleckstrin homology domain-containing family G member 6	IPI00793050	85 kDa	2	0	2	0	0	0	2.63E+00	-1.407		
Mannosyl-oligosaccharide glucosidase	IPI00328170	92 kDa	20	11	10	3	2	0	5.91E+02	-1.788	Yes	
Isoform 1 of Sister chromatid cohesion protein PDS5 homolog B	IPI00937545	165 kDa	0	12	4	2	3	0	3.34E+00	-0.888		
Isoform Long of Inositol 1,4,5-trisphosphate	IPI00031545	308 kDa	3	34	4	1	0	0	2.42E+01	-2.276	Yes	
Isoform 1 of Zinc finger protein 326	IPI00373877	66 kDa	0	20	15	16	8	7	9.49E-01	0.02		
Rho-related GTP-binding protein RhoC	IPI00027434	22 kDa	4	1	6	2	4	3	6.16E-01	-0.156		
Isoform 1 of Peroxisomal 2,4-dienoyl-CoA reductase	IPI00010190	31 kDa	6	6	6	8	6	6	5.64E-01	0.076		
Isoform 2 of Nipped-B-like protein	IPI00026466	304 kDa	6	10	5	1	2	2	3.78E+01	-1.222	Yes	
Chromobox protein homolog 3	IPI00297579	21 kDa	6	16	4	2	3	1	3.72E+01	-1.178	Yes	
SAFB-like transcription modulator	IPI00792743	117 kDa	5	15	10	2	3	5	2.89E+01	-0.973	Yes	
ATP-dependent RNA helicase DDX50	IPI00031554	83 kDa	6	32	20	12	8	5	4.83E+00	-0.745		
Isoform 1 of Hexokinase-1	IPI00018246	102 kDa	1	11	0	21	1	0	9.50E-01	0.034		
T-complex protein 1 subunit epsilon	IPI00010720	60 kDa	0	15	2	10	12	11	6.72E-01	0.897		
THO complex subunit 2	IPI00158615	170 kDa	1	28	5	3	10	7	5.78E-01	-0.095		
cDNA FLJ53862, highly similar to Homo sapiens NIMA (never in mitosis gene a)-related kinase 4	IPI00946811	84 kDa	0	1	1	2	0	1	7.64E-01	0.211		
NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial	IPI00307749	33 kDa	0	0	0	3	0	0	1.75E+00	1.025		
Protein S100-A13	IPI00016179	11 kDa	0	16	0	13	14	6	9.10E-02	1.496		
Myosin-11	IPI00020501	227 kDa	346	344	343	230	114	125	2.90E+09	-0.862		
cDNA FLJ56389, highly similar to Elongation factor 1-	IPI00000875	56 kDa	0	0	0	13	9	7	1.26E+02	2.839		Yes
Isoform 1 of Centriolin	IPI00657962	269 kDa	4	2	4	8	10	11	3.24E+01	1.016		Yes
Isoform 2 of Tropomyosin alpha-4 chain	IPI00216975	33 kDa	95	113	56	69	37	56	5.52E+01	-0.471		
Interferon-induced GTP-binding protein Mx2	IPI00024684	82 kDa	2	15	24	0	0	0	1.79E+02	-2.903	Yes	
Transcription factor A, mitochondrial	IPI00020928	29 kDa	6	6	2	5	2	2	1.00E+00	-0.382		
Filaggrin-2	IPI00397801	248 kDa	11	6	16	11	5	12	8.50E-01	-0.145		
Nuclear RNA export factor 1	IPI00033153	70 kDa	0	15	11	2	12	11	5.01E-01	0.071		
Apolipoprotein B-100	IPI00022229	516 kDa	0	0	0	0	16	10	2.68E+03	2.26		Yes
Charged multivesicular body protein 4b	IPI00025974	25 kDa	3	31	10	0	0	0	2.95E+02	-2.869	Yes	
Translocating chain-associated membrane protein 1	IPI00219111	43 kDa	2	2	1	28	16	13	1.03E+05	2.055		Yes
ATP synthase subunit b, mitochondrial	IPI00029133	29 kDa	4	7	1	8	7	3	9.21E-01	0.381		
Microsomal glutathione S-transferase 1	IPI00021805	18 kDa	3	28	8	15	3	2	1.31E+00	-0.578		
Histone H2A type 2-B	IPI00216730	14 kDa	53	72	45	63	51	54	5.55E-01	-0.018		
Isoform 1 of OCIA domain-containing protein 2	IPI00555902	17 kDa	1	6	3	27	10	6	6.37E+01	1.344		Yes
Isoform 1 of POTE ankyrin domain family member E	IPI00479743	121 kDa	0	642	592	593	518	502	0.00E+00	1.074		
T-complex protein 1 subunit beta	IPI00297779	57 kDa	1	3	1	12	5	7	1.02E+02	1.359		Yes
V-type proton ATPase subunit S1	IPI00784119	52 kDa	4	6	1	16	11	9	1.14E+02	1.161		Yes
Cytochrome c oxidase subunit 5A, mitochondrial	IPI00025086	17 kDa	2	14	0	21	5	9	6.45E-01	0.931		
SNW domain-containing protein 1	IPI00013830	61 kDa	7	16	13	0	2	3	2.45E+02	-1.733	Yes	
H/ACA ribonucleoprotein complex subunit 2	IPI00041325	17 kDa	6	7	19	9	9	9	5.82E-01	-0.102		
Isoform 1 of Pescadillo homolog	IPI00003768	68 kDa	3	25	3	6	0	2	1.07E+00	-0.957		

			GEnC spectral count			Podocyte spectral count			QSpec analysis			
Protein name	IPI accession	Molecular weight	Repeat 1	Repeat 2	Repeat 3	Repeat 1	Repeat 2	Repeat 3	Bayes factor	ln(fold change)	Significant: GEnC enriched	Significant: Podocyte enriched
Isoform 1 of Splicing factor, arginine/serine-rich 7	IPI00003377	27 kDa	0	9	0	1	1	2	9.90E-01	-0.091		
Glutathione S-transferase P	IPI00219757	23 kDa	0	0	0	5	5	3	1.00E+01	2.31		Yes
Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit DAD1	IPI00009407	12 kDa	2	12	4	15	12	9	1.46E+01	0.704		
Methionyl-tRNA synthetase, cytoplasmic	IPI00008240	101 kDa	1	17	13	4	7	9	9.82E-01	-0.316		
zinc finger protein 185	IPI00939842	74 kDa	12	3	2	0	0	0	1.21E+01	-2.431	Yes	
WD repeat-containing protein 43	IPI00937477	75 kDa	0	22	10	5	3	0	1.61E+01	-1.01	Yes	
Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 2	IPI00028635	69 kDa	0	30	2	23	5	5	4.51E-01	0.756		
Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, cDNA FLJ75085, highly similar to Homo sapiens	IPI00021338	69 kDa	0	1	0	0	0	0	1.12E+00	-0.66		
glutaminyl-tRNA synthetase (QARS), mRNA	IPI00026665	90 kDa	0	22	14	6	5	1	2.45E+01	-0.826		
DNA-directed RNA polymerase II subunit RPB2	IPI00027808	134 kDa	1	19	5	10	4	5	8.23E-01	-0.086		
Charged multivesicular body protein 2b	IPI00550181	24 kDa	3	15	2	1	1	0	7.21E+00	-1.697		
Nucleoporin 54kDa variant (Fragment)	IPI00172580	56 kDa	3	22	8	2	13	11	7.71E-01	-0.164		
Isoform 1 of Vesicle-associated membrane protein-associated protein A	IPI00170692	28 kDa	0	21	2	15	3	1	5.48E-01	0.263		
Complement component 6 precursor	IPI00879709	106 kDa	0	0	0	0	1	0	1.12E+00	0.642		
Isoform B of AP-2 complex subunit alpha-1	IPI00256684	105 kDa	0	0	0	0	2	2	2.26E+00	1.531		
Isoform 4 of Nesprin-1	IPI00247295	1005 kDa	0	2	1	0	0	1	1.05E+00	-0.604		
Adenine phosphoribosyltransferase	IPI00218693	20 kDa	2	0	2	7	6	6	4.59E+00	1.325		
60S ribosomal protein L7-like 1	IPI00456940	29 kDa	2	14	6	8	5	5	6.53E-01	-0.109		
Scaffold attachment factor B1	IPI00300631	103 kDa	1	9	0	0	1	0	2.42E+00	-1.324		
Isoform 6 of cAMP-specific 3',5'-cyclic	IPI00375236	84 kDa	5	13	5	3	4	1	9.47E+00	-0.948		
Isoform 1 of Nesprin-3	IPI00394994	112 kDa	4	23	17	0	1	0	6.21E+02	-2.602	Yes	
Isoform 1 of Integrin alpha-V	IPI00027505	116 kDa	3	4	2	6	5	6	1.58E+00	0.568		
Vesicle-trafficking protein SEC22b	IPI00006865	25 kDa	0	9	2	18	11	10	7.61E+00	1.359		
myosin, heavy chain 14 isoform 1	IPI00607818	229 kDa	320	296	311	233	100	106	3.53E+08	-0.818		
Splicing factor, arginine/serine-rich 9	IPI00012340	26 kDa	0	9	0	1	2	3	8.69E-01	0.066		
RNA-binding protein 28	IPI00304187	86 kDa	3	26	1	2	4	0	8.31E-01	-0.915		
Cytochrome c oxidase subunit 4 isoform 1,	IPI00006579	20 kDa	0	8	0	23	5	2	6.23E-01	1.201		
Isoform 1 of U5 small nuclear ribonucleoprotein 200 kDa helicase	IPI00420014	245 kDa	1	40	1	0	0	1	4.07E+00	-1.649		
Isoform 1 of Coatomer subunit alpha	IPI00295857	138 kDa	0	4	0	0	4	0	1.43E+00	0.094		
cDNA FLJ56414, highly similar to Homo sapiens proline-, glutamic acid-, leucine-rich protein 1	IPI00006702	125 kDa	0	27	3	0	6	2	1.39E+00	-0.578		
Cytoplasmic aconitate hydratase	IPI00008485	98 kDa	0	0	0	1	0	0	1.09E+00	0.678		
Isoform 1 of Vitamin D-binding protein	IPI00555812	53 kDa	2	0	2	0	0	0	2.63E+00	-1.407		
ATP synthase, H+ transporting, mitochondrial F0 complex, subunit E	IPI00218848	8 kDa	2	3	0	3	0	1	6.29E-01	-0.171		
Ribosome biogenesis protein BRX1 homolog	IPI00181728	41 kDa	1	8	6	10	7	2	7.39E-01	0.231		
DNA topoisomerase 1	IPI00413611	91 kDa	0	11	1	9	8	0	6.41E-01	0.475		
GTP-binding protein SAR1b	IPI00002149	22 kDa	0	0	1	0	0	0	1.22E+00	-0.651		
SRA stem-loop-interacting RNA-binding protein, mitochondrial	IPI00009922	12 kDa	0	1	0	0	0	2	1.00E+00	0.293		
BAG family molecular chaperone regulator 2	IPI00000643	24 kDa	3	6	6	5	12	6	1.09E+00	0.396		
Pre-mRNA-processing factor 19	IPI00004968	55 kDa	4	19	11	6	4	2	1.34E+01	-0.883		
Isoform 1 of Septin-2	IPI00014177	41 kDa	0	2	0	0	0	0	1.48E+00	-0.931		
ADP/ATP translocase 3	IPI00291467	33 kDa	59	89	53	58	0	44	6.90E-02	-1.26		
Calponin-2	IPI00015262	34 kDa	0	0	0	8	9	12	5.33E+01	2.848		Yes
Protein disulfide-isomerase A3	IPI00025252	57 kDa	2	18	0	0	0	0	9.98E+00	-1.958	Yes	
Fibroleukin	IPI00030075	50 kDa	22	11	14	0	0	0	4.93E+04	-3.327	Yes	
Isoform 1 of Structural maintenance of chromosomes flexible hinge domain-containing	IPI00890837	226 kDa	4	6	1	3	1	0	1.16E+00	-0.848		
Isoform Long of Galectin-9	IPI00010477	40 kDa	9	15	11	5	3	3	1.14E+02	-1.044	Yes	
Nucleolin	IPI00604620	77 kDa	0	8	2	5	8	5	5.18E-01	0.669		
WD repeat-containing protein 46	IPI00023126	68 kDa	0	13	4	5	3	1	1.56E+00	-0.39		
Brain-enriched guanylate kinase-associated protein	IPI00010853	65 kDa	1	2	3	2	3	2	6.64E-01	0.142		
Stomatin-like protein 2	IPI00334190	39 kDa	5	17	3	12	7	4	6.45E-01	-0.017		
Ras-related protein Ral-A	IPI00217519	24 kDa	13	9	7	2	6	4	1.49E+01	-0.782		
Isoform 1 of Inhibitor of nuclear factor kappa-B kinase-interacting protein	IPI00797136	39 kDa	5	1	1	32	2	2	2.02E+00	0.91		
Peptidyl-prolyl cis-trans isomerase-like 1	IPI00007019	18 kDa	7	3	13	4	6	4	1.23E+00	-0.425		
Isoform 1 of Splicing factor, arginine/serine-rich 13A	IPI00074587	31 kDa	1	7	4	2	3	2	1.02E+00	-0.454		
Latent-transforming growth factor beta-binding	IPI00292150	195 kDa	1	5	0	14	4	4	3.24E+00	1.169		
Aflatoxin B1 aldehyde reductase member 2	IPI00305978	40 kDa	0	0	1	3	0	0	6.74E-01	0.441		
40S ribosomal protein S10	IPI00008438	19 kDa	19	3	6	5	4	2	2.77E+00	-0.76		
Enhancer of yellow 2 transcription factor homolog	IPI00024620	12 kDa	3	13	9	4	4	4	4.24E+00	-0.671		
CCAAT/enhancer-binding protein zeta	IPI00306723	121 kDa	0	26	5	3	0	1	8.32E+00	-1.205		
Nicotinamide N-methyltransferase	IPI00027681	30 kDa	0	2	0	20	13	10	5.74E+03	2.42		Yes
Isoform 1 of H/ACA ribonucleoprotein complex	IPI00302176	22 kDa	2	14	3	9	7	8	8.37E-01	0.273		
Aldose reductase	IPI00413641	36 kDa	0	2	0	12	11	13	2.59E+02	2.592		Yes
FHL2 isoform 5	IPI00396967	44 kDa	0	2	6	1	0	2	1.62E+00	-0.651		
Coronin-1C_i3 protein	IPI00867509	59 kDa	2	0	3	5	3	2	7.64E-01	0.599		
Isoform 1 of Vesicle-associated membrane protein-associated protein B/C	IPI00006211	27 kDa	0	15	3	17	7	4	3.48E-01	0.667		
Leucine-rich PPR motif-containing protein,	IPI00783271	158 kDa	0	1	0	9	0	1	2.29E+00	1.299		
Protein S100-A11	IPI00013895	12 kDa	3	24	4	12	12	9	1.03E+00	0.283		
Isoform 4 of Probable ATP-dependent RNA helicase	IPI00889541	80 kDa	0	0	0	4	0	1	3.18E+00	1.491		
U3 small nucleolar RNA-associated protein 6	IPI00020128	70 kDa	3	19	0	10	0	3	9.33E-01	-0.183		
Lysozyme C	IPI00019038	17 kDa	0	3	0	0	0	0	1.76E+00	-1.079		
NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 5	IPI00554681	13 kDa	1	4	1	6	0	0	5.78E-01	-0.212		
Chromobox protein homolog 5	IPI00024662	22 kDa	0	10	0	0	0	0	4.42E+00	-1.265		
Isoform 1 of Nurim	IPI00217557	29 kDa	3	5	7	4	7	2	6.83E-01	-0.142		
Isoform 2 of Isopentenyl-diphosphate Delta-	IPI00220014	32 kDa	2	0	1	2	0	0	7.40E-01	-0.413		
Calpain-2 catalytic subunit	IPI00289758	80 kDa	0	2	1	1	0	0	1.01E+00	-0.679		
Isoform 1 of PDZ and LIM domain protein 4	IPI00032206	35 kDa	2	10	4	0	0	0	1.95E+01	-2.307	Yes	
NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 2	IPI00219381	11 kDa	0	3	1	7	1	0	1.04E+00	0.373		
37 kDa protein	IPI00032799	37 kDa	1	5	3	3	3	2	6.03E-01	-0.072		
Isoform Long of Sodium/potassium-transporting ATPase subunit alpha-1	IPI00006482	113 kDa	0	1	0	0	2	0	5.92E-01	0.321		
cDNA FLJ60424, highly similar to Junction	IPI00789324	63 kDa	110	0	159	887	1272	880	2.37E+23	2.659		Yes
Serine/threonine-protein phosphatase PP1-alpha catalytic subunit	IPI00550451	38 kDa	1	6	2	5	3	3	6.19E-01	0.215		
Ribosome biogenesis protein BOP1	IPI00028955	84 kDa	1	14	2	5	3	2	1.01E+00	-0.298		
Probable ATP-dependent RNA helicase DDX52	IPI00032423	67 kDa	2	19	4	12	3	2	7.16E-01	-0.257		
ATP-dependent DNA helicase 2 subunit 2	IPI00220834	83 kDa	0	12	0	0	3	1	1.24E+00	-0.177		
Isoform 3 of Uncharacterized protein KIAA0564	IPI00946725	211 kDa	1	2	0	0	0	0	1.53E+00	-1.304		
ATP synthase subunit epsilon, mitochondrial	IPI00215878	6 kDa	2	2	1	3	2	0	8.06E-01	-0.039		
Protein	IPI00917966	32 kDa	11	10	8	5	7	8	1.23E+00	-0.33		
Isoform 2 of Bcl10-interacting CARD protein	IPI00177808	21 kDa	2	2	6	12	10	12	1.30E+02	1.224		Yes
Ribosome biogenesis regulatory protein homolog	IPI00014253	41 kDa	0	14	5	3	4	5	1.49E+00	-0.255		
Isoform 4 of Death-inducer obliterator 1	IPI00619921	244 kDa	5	4	4	1	0	1	5.82E+00	-1.395		
Ras-related protein R-Ras	IPI00020418	23 kDa	1	5	1	0	0	0	2.36E+00	-1.652		
Estradiol 17-beta-dehydrogenase 8	IPI00021890	27 kDa	0	0	1	0	0	0	1.22E+00	-0.651		
Isoform 4 of Matrilin-2	IPI00607598	75 kDa	0	0	0	76	100	121	1.46E+13	4.208		Yes
Junction plakoglobin	IPI00554711	82 kDa	2	1	4	4	8	9	1.07E+01	1.017		Yes
Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform	IPI00554737	65 kDa	2	5	1	2	3	0	4.74E-01	-0.437		

			GEnC spectral count			Podocyte spectral count			QSpec analysis			
Protein name	IPI accession	Molecular weight	Repeat 1	Repeat 2	Repeat 3	Repeat 1	Repeat 2	Repeat 3	Bayes factor	ln(fold change)	Significant: GEnC enriched	Significant: Podocyte enriched
Nuclear pore complex protein Nup88	IPI00001738	84 kDa	5	23	6	4	4	4	4.34E+00	-0.897		
MKI67 FHA domain-interacting nucleolar	IPI00154590	34 kDa	5	12	3	8	8	4	6.83E-01	0.036		
Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-5	IPI00027240	7 kDa	2	3	1	3	4	2	8.02E-01	0.362		
Putative uncharacterized protein SNRPD3	IPI00879750	19 kDa	1	10	0	3	8	1	4.63E-01	0.284		
U6 snRNA-associated Sm-like protein LSm6	IPI00001146	9 kDa	0	15	2	7	7	10	5.81E-01	0.54		
Histone H1x	IPI00021924	22 kDa	0	12	7	2	0	0	3.44E+01	-1.629	Yes	
cDNA FLJ61290, highly similar to Neutral alpha-	IPI00383581	113 kDa	0	10	0	0	0	0	4.42E+00	-1.265		
Putative uncharacterized protein TNFSF10	IPI00000049	35 kDa	0	0	0	15	14	19	1.59E+04	3.369		Yes
Protein Wnt-5b	IPI00022223	40 kDa	0	0	0	1	15	16	5.82E+01	2.646		Yes
Calcium-binding mitochondrial carrier protein	IPI00386271	75 kDa	0	0	0	13	0	0	1.43E+00	1.203		
Putative uncharacterized protein ZFR	IPI00748303	115 kDa	2	10	8	1	2	2	1.81E+01	-1.123	Yes	
475 kDa protein	IPI00939165	475 kDa	8	6	6	4	1	3	6.68E+00	-0.832		
Putative uncharacterized protein THOC7	IPI00792789	24 kDa	0	20	5	5	11	6	5.56E-01	0.249		
DEAD (Asp-Glu-Ala-Asp) box polypeptide 54 isoform	IPI00152510	99 kDa	0	33	0	2	0	2	6.16E-01	-0.03		
Zinc finger, PHD-type domain containing protein	IPI00921184	121 kDa	0	0	0	0	1	0	1.12E+00	0.642		
Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kDa subunit	IPI00297084	51 kDa	0	12	3	8	2	2	5.67E-01	-0.025		
Isoform 2 of Probable E3 ubiquitin-protein ligase	IPI00607852	510 kDa	0	0	1	4	3	3	2.42E+00	1.427		
Structural maintenance of chromosomes protein 3	IPI00219420	142 kDa	4	5	3	3	0	0	9.43E-01	-1.124		
Isoform Beta of Lamina-associated polypeptide 2, isoforms beta/gamma	IPI00030131	51 kDa	0	20	1	0	2	0	1.79E+00	-1.062		
Thyroid hormone receptor-associated protein 3	IPI00104050	109 kDa	0	18	3	0	0	0	5.92E+01	-2.069	Yes	
Isoform 1 of Mitochondrial carrier homolog 1	IPI00386258	42 kDa	2	13	8	11	0	0	1.52E-01	-1.158		
Cofilin-1	IPI00012011	19 kDa	2	1	2	5	4	6	5.97E+00	0.859		
FERM and PDZ domain-containing protein 3	IPI00064201	199 kDa	5	4	5	1	1	2	8.27E+00	-1.062		
Isoform 1 of Nucleolar protein 7	IPI00007729	29 kDa	0	13	7	4	6	5	1.10E+00	-0.163		
Isoform A of Methyl-CpG-binding protein 2	IPI00418234	52 kDa	0	0	0	1	0	0	1.09E+00	0.678		
WD repeat-containing protein 3	IPI00009471	106 kDa	5	8	3	8	4	0	6.03E-01	-0.325		
cDNA FLJ56840, highly similar to Galactokinase	IPI00019383	45 kDa	0	0	0	0	0	1	1.01E+00	0.653		
Cell division cycle 5-like protein	IPI00465294	92 kDa	2	10	6	0	4	5	5.86E-01	-0.634		
transcription factor ELYS	IPI00170594	253 kDa	1	19	6	3	3	1	2.20E+00	-0.993		
Thioredoxin	IPI00216298	12 kDa	7	4	6	4	6	4	5.39E-01	-0.155		
Isoform Long of Antigen KI-67	IPI00004233	359 kDa	0	2	6	0	1	0	2.79E+00	-1.276		
Isoform 1 of ATP synthase subunit d, mitochondrial	IPI00220487	18 kDa	1	1	0	10	0	0	2.70E+00	0.579		
Cystatin-A	IPI00032325	11 kDa	12	6	4	7	9	9	1.06E+00	0.141		
Isoform 1 of Isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial	IPI00030702	40 kDa	0	2	0	0	0	0	1.48E+00	-0.931		
Isoform 1 of Semaphorin-3B	IPI00012283	83 kDa	0	0	0	3	10	14	1.71E+02	2.596		Yes
Lysyl oxidase homolog 4	IPI00306402	84 kDa	0	0	0	22	8	7	4.43E+02	2.893		Yes
Isoform ASF-1 of Splicing factor, arginine/serine-rich	IPI00215884	28 kDa	2	5	0	0	0	0	5.08E+00	-1.799		
9 kDa protein	IPI00879531	9 kDa	12	20	14	6	3	4	4.96E+02	-1.035	Yes	
Interleukin-13 receptor subunit alpha-1	IPI00020354	49 kDa	9	8	14	3	5	3	2.85E+01	-0.865		
Isoform 1 of Adseverin	IPI00002606	80 kDa	0	0	0	16	13	12	9.88E+03	3.249		Yes
Isoform 1 of Transmembrane emp24 domain-containing protein 4	IPI00296259	26 kDa	0	11	2	25	4	2	6.83E-01	0.595		
Chloride intracellular channel protein 4	IPI00001960	29 kDa	2	5	4	3	4	2	6.52E-01	-0.215		
Isoform 1 of Insulin-like growth factor 2 mRNA-binding protein 3	IPI00658000	64 kDa	0	11	6	0	6	9	5.08E-01	-0.12		
Pre-mRNA-processing factor 6	IPI00305068	107 kDa	0	8	2	0	1	3	1.23E+00	-0.652		
Probable glutathione peroxidase 8	IPI00291695	24 kDa	0	9	2	9	2	4	3.77E-01	0.455		
Isoform 1 of Fer-1-like protein 4	IPI00795736	201 kDa	0	2	5	2	2	4	5.99E-01	0.204		
Structural maintenance of chromosomes protein 1A	IPI00291939	143 kDa	0	0	0	1	0	0	1.09E+00	0.678		
sphingomyelin phosphodiesterase 4 isoform 2	IPI00793691	98 kDa	0	11	2	12	6	2	3.69E-01	0.545		
mRNA turnover protein 4 homolog	IPI00106491	28 kDa	0	25	3	3	5	2	1.30E+00	-0.294		
V-type proton ATPase subunit G 1	IPI00025285	14 kDa	2	16	1	12	8	10	3.49E+00	0.644		
High mobility group nucleosome-binding domain-containing protein 4	IPI00220484	10 kDa	6	4	3	12	8	5	2.63E+00	0.528		
apoptotic chromatin condensation inducer 1	IPI00911038	147 kDa	0	10	4	0	2	0	5.67E+00	-1.458		
331 kDa protein	IPI00020356	331 kDa	0	1	2	0	1	0	1.01E+00	-0.653		
cytochrome b5 reductase 3 isoform 3	IPI00954806	38 kDa	2	13	3	3	3	1	2.38E+00	-0.774		
ATP-dependent DNA helicase 2 subunit 1	IPI00644712	70 kDa	0	11	1	0	1	0	3.50E+00	-1.281		
U3 small nucleolar RNA-interacting protein 2	IPI00217862	52 kDa	12	15	2	5	2	1	1.71E+01	-1.134	Yes	
Myosin light chain 6B	IPI00027255	23 kDa	88	102	87	53	31	21	8.96E+05	-0.893		
51 kDa protein	IPI00033025	51 kDa	0	1	1	0	0	0	1.48E+00	-1.007		
Succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial	IPI00294911	32 kDa	0	1	0	0	0	0	1.12E+00	-0.66		
Microfibrillar-associated protein 2	IPI00022621	21 kDa	0	2	0	0	0	0	1.48E+00	-0.931		
Isoform 1 of Stabilin-1	IPI00419565	275 kDa	0	31	7	0	0	0	1.65E+02	-2.391	Yes	
Peroxiredoxin-2	IPI00027350	22 kDa	1	17	10	14	7	7	5.27E-01	0.124		
10 kDa heat shock protein, mitochondrial	IPI00220362	11 kDa	0	10	1	1	2	4	8.12E-01	-0.052		
Isoform A of AP-1 complex subunit beta-1	IPI00328257	105 kDa	0	1	0	0	0	0	1.12E+00	-0.66		
Isoform 1 of 60S ribosome subunit biogenesis protein NIP7 homolog	IPI00007175	20 kDa	3	0	12	9	6	7	5.92E-01	0.503		
cDNA FLJ16541 fis, clone OCBBF2034823, highly similar to Mus musculus widely-interspaced zinc finger motifs (Wiz), transcript variant 1, mRNA	IPI00741630	89 kDa	1	3	5	7	1	1	7.04E-01	-0.051		
Isoform 1 of Collagen triple helix repeat-containing	IPI00060423	26 kDa	0	3	0	12	10	8	1.92E+01	2.107		Yes
Lysine-specific demethylase 4A	IPI00005666	121 kDa	0	1	0	0	0	2	1.00E+00	0.293		
Translocon-associated protein subunit delta	IPI00019385	20 kDa	3	13	3	16	6	3	9.35E-01	0.287		
40S ribosomal protein S21	IPI00017448	9 kDa	0	17	1	0	9	8	2.65E+00	0.46		
RNA polymerase I-specific transcription initiation	IPI00152960	74 kDa	1	2	2	1	1	1	8.81E-01	-0.324		
Isoform F of Proteoglycan 4	IPI00656092	146 kDa	0	0	0	3	1	2	2.04E+00	1.538		
39S ribosomal protein L16, mitochondrial	IPI00000821	28 kDa	7	8	5	3	0	1	1.36E+01	-1.407	Yes	
Protein S100-A10	IPI00183695	11 kDa	1	9	2	4	5	4	6.95E-01	0.155		
Isoform 1 of Lysophospholipid acyltransferase 7	IPI00657706	53 kDa	3	9	3	16	4	2	1.03E+00	0.27		
Translation initiation factor IF-2, mitochondrial	IPI00005039	81 kDa	2	1	1	2	0	2	7.49E-01	-0.028		
Pre-mRNA-splicing factor SPF27	IPI00025178	26 kDa	0	16	6	2	3	3	5.35E+00	-0.664		
Cytochrome b-c1 complex subunit Rieske,	IPI00026964	30 kDa	0	2	0	7	0	0	6.56E-01	0.434		
Isoform 1 of AP-2 complex subunit mu	IPI00022256	50 kDa	0	0	0	0	1	0	1.12E+00	0.642		
cingulin	IPI00844508	137 kDa	4	1	4	2	2	2	6.78E-01	-0.315		
PHD finger-like domain-containing protein 5A	IPI00005511	12 kDa	5	10	5	2	5	5	1.43E+00	-0.442		
Eukaryotic translation elongation factor 1 epsilon-1	IPI00003588	20 kDa	3	0	7	4	5	4	4.44E-01	0.341		
U3 small nucleolar RNA-associated protein 18	IPI00000733	64 kDa	8	18	4	2	1	1	2.68E+02	-1.696	Yes	
Ran GTPase-activating protein 1	IPI00294879	64 kDa	0	14	1	6	0	0	7.05E-01	-0.539		
Cytochrome c oxidase subunit 5B, mitochondrial	IPI00021785	14 kDa	0	6	0	16	1	0	4.99E-01	0.463		
40S ribosomal protein S12	IPI00013917	15 kDa	0	5	0	2	3	1	5.15E-01	0.366		
Isoform 2 of Spliceosome RNA helicase BAT1	IPI00641829	51 kDa	0	2	0	0	0	0	1.48E+00	-0.931		
EH domain-containing protein 3	IPI00021458	62 kDa	0	0	1	0	0	0	1.22E+00	-0.651		
63 kDa protein	IPI00871679	63 kDa	0	0	0	1	4	5	4.75E+00	2.025		
RuvB-like 2	IPI00009104	51 kDa	1	6	4	3	3	0	6.40E-01	-0.546		
Isoform Non-brain of Clathrin light chain A	IPI00216393	24 kDa	0	2	0	1	9	7	4.90E+00	1.65		
Signal peptidase complex subunit 3	IPI00300299	20 kDa	3	7	5	5	4	7	6.32E-01	0.072		
Isoform 1 of THO complex subunit 6 homolog	IPI00328985	38 kDa	3	15	5	3	11	8	5.59E-01	-0.017		
Isoform 1 of NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 1	IPI00943798	7 kDa	0	6	0	4	1	0	8.58E-01	0.106		
Isoform 1 of Cytosol aminopeptidase	IPI00419237	56 kDa	2	2	4	0	1	0	1.46E+00	-1.45		
Putative rRNA methyltransferase 3	IPI00217686	97 kDa	0	14	0	2	0	0	7.72E-01	-0.539		
Isoform Alpha-3A of Integrin alpha-3	IPI00215995	117 kDa	2	2	0	0	1	0	1.04E+00	-0.904		
Ras-related protein Rab-13	IPI00016373	23 kDa	2	9	1	12	12	15	2.12E+02	1.213		Yes
Isoform B of Transforming growth factor beta-2	IPI00220156	51 kDa	2	7	4	4	2	2	9.39E-01	-0.378		
Bloom syndrome protein	IPI00004859	159 kDa	0	0	0	0	0	4	3.31E+00	1.133		

Protein name	IPI accession	Molecular weight	GEnC spectral count			Podocyte spectral count			QSpec analysis			
			Repeat 1	Repeat 2	Repeat 3	Repeat 1	Repeat 2	Repeat 3	Bayes factor	ln(fold change)	Significant: GEnC enriched	Significant: Podocyte enriched
RNA-binding protein PNO1	IPI00024524	28 kDa	0	11	2	7	9	5	3.46E-01	0.736		
Isoform 1 of ATP synthase subunit f, mitochondrial	IPI00220300	11 kDa	1	1	0	0	0	0	8.83E-01	-1.128		
NADH dehydrogenase (ubiquinone) 1 alpha	IPI00419266	18 kDa	0	0	0	1	0	0	1.09E+00	0.678		
cDNA FLJ56334, highly similar to SEC13-related	IPI00853598	41 kDa	2	12	6	5	2	1	3.43E+00	-0.827		
Leucine-rich repeat-containing protein 59	IPI00396321	35 kDa	8	4	4	3	2	2	3.31E+00	-0.71		
Ras-related protein Rab-10	IPI00016513	23 kDa	6	15	5	16	13	12	2.30E+00	0.439		
Adenosylhomocysteinase	IPI00012007	48 kDa	4	4	8	2	3	2	2.08E+00	-0.816		
Isoform 4 of TRIO and F-actin-binding protein	IPI00741684	243 kDa	1	6	5	3	1	0	1.60E+00	-0.895		
Isoform 1 of Obscurin	IPI00288940	868 kDa	0	3	4	2	0	1	1.24E+00	-0.632		
Ribosomal RNA processing protein 1 homolog A	IPI00550766	53 kDa	5	18	2	3	0	2	3.15E+00	-1.226		
Isoform 2 of Protein LAS1 homolog	IPI00645869	81 kDa	0	17	5	2	0	4	3.97E+00	-0.914		
LEM domain-containing protein 2	IPI00168336	57 kDa	0	14	0	0	0	0	4.52E+00	-1.2		
Transmembrane protein 109	IPI00031697	26 kDa	2	3	0	0	0	1	1.32E+00	-1.011		
NADH dehydrogenase [ubiquinone] iron-sulfur protein 2, mitochondrial	IPI00025239	53 kDa	0	0	0	2	0	0	1.55E+00	0.923		
Isoform 1 of 3-hydroxybutyrate dehydrogenase type	IPI00607799	27 kDa	0	0	0	0	1	0	1.12E+00	0.642		
small inducible cytokine B14 precursor	IPI00396257	13 kDa	1	5	2	2	0	0	8.07E-01	-1.02		
Prostaglandin reductase 1	IPI00292657	36 kDa	0	0	0	0	0	1	1.01E+00	0.653		
Isoform 1 of Phosphoglucomutase-1	IPI00219526	61 kDa	0	2	0	5	7	3	3.23E+00	1.486		
Cathepsin B	IPI00295741	38 kDa	0	3	0	9	3	4	2.38E+00	1.457		
Keratin, type I cytoskeletal 17	IPI00450768	48 kDa	142	0	123	277	295	297	2.14E+07	1.672		Yes
Histone deacetylase 1	IPI00013774	55 kDa	3	11	3	3	5	3	1.05E+00	-0.359		
ADP-ribosylation factor 6	IPI00215920	20 kDa	0	0	0	1	4	2	2.87E+00	1.835		
THO complex subunit 5 homolog	IPI00299417	79 kDa	0	9	5	1	8	4	8.37E-01	-0.045		
Intron-binding protein aquarius	IPI00297572	171 kDa	0	12	6	0	4	1	7.64E+00	-1.016		
Isoform 4 of A-kinase anchor protein 2	IPI00816415	121 kDa	0	0	1	7	4	4	1.96E+01	1.82		Yes
poly(rC) binding protein 2 isoform b	IPI00012066	38 kDa	0	3	0	0	0	1	9.96E-01	-0.392		
Pentraxin-related protein PTX3	IPI00029568	42 kDa	11	5	8	0	0	0	1.44E+02	-2.851	Yes	
Isoform 1 of Serine/arginine repetitive matrix	IPI00647720	102 kDa	2	5	3	3	2	2	8.24E-01	-0.283		
Isoform 1 of RuvB-like 1	IPI00021187	50 kDa	2	4	3	1	2	0	9.48E-01	-0.909		
Peroxisomal multifunctional enzyme type 2	IPI00019912	80 kDa	0	5	0	0	1	1	1.53E+00	-0.34		
hypothetical protein LOC441172	IPI00889003	34 kDa	2	5	4	2	2	2	1.04E+00	-0.562		
Isoform 1 of Putative splicing factor, arginine/serine-	IPI00158020	120 kDa	0	6	5	0	1	2	6.30E+00	-0.975		
Mitochondrial import receptor subunit TOM20	IPI00016676	16 kDa	8	6	6	10	2	3	9.17E-01	-0.28		
Isoform 1 of Myoferlin	IPI00021048	235 kDa	3	9	0	0	4	0	2.31E+00	-0.87		
Isoform 1 of Collagen alpha-1(XVI) chain	IPI00400935	158 kDa	0	2	0	4	7	6	5.25E+00	1.634		
Splicing factor 3A subunit 3	IPI00029764	59 kDa	0	13	0	2	5	2	4.56E-01	0.391		
Isoform 2 of Cell division control protein 42	IPI00016786	21 kDa	7	2	5	0	0	0	7.55E+00	-2.427		
Isoform 1 of Keratin, type II cytoskeletal 73	IPI00174775	59 kDa	175	127	123	0	117	128	1.00E-03	-1.327		
40S ribosomal protein S28	IPI00719622	8 kDa	5	14	1	6	6	4	1.01E+00	-0.116		
Isoform 4 of Plectin-1	IPI00398779	516 kDa	875	1780	1384	662	1420	1313	8.39E+00	-0.185		
Cysteine and glycine-rich protein 2	IPI00002824	21 kDa	0	0	0	5	15	20	2.48E+03	3.111		Yes
Ezrin	IPI00843975	69 kDa	0	11	0	0	3	3	4.55E-01	0.226		
Splicing factor 3B subunit 5	IPI00010404	10 kDa	4	11	5	3	3	1	8.00E+00	-0.899		
rRNA-processing protein FCF1 homolog	IPI00427242	23 kDa	0	14	6	3	4	3	3.28E+00	-0.44		
Isoform 2 of Transmembrane and coiled-coil domain-containing protein 1	IPI00761107	19 kDa	2	4	3	11	2	2	8.95E-01	0.4		
Protein S100-A16	IPI00062120	12 kDa	2	10	4	5	5	3	7.08E-01	-0.14		
60S ribosomal protein L22-like 1	IPI00856049	15 kDa	12	3	11	1	0	0	1.50E+02	-2.372	Yes	
Isoform 2 of Golgi apparatus protein 1	IPI00414717	137 kDa	0	0	1	3	11	9	5.99E+01	2.151		Yes
Dihydropyrimidinase-related protein 2	IPI00257508	62 kDa	0	4	0	0	0	0	2.48E+00	-1.164		
13kDa differentiation-associated protein variant	IPI00005966	17 kDa	0	0	0	1	0	0	1.09E+00	0.678		
ADP-ribosylation factor-like protein 2	IPI00003326	21 kDa	0	0	0	0	1	1	1.20E+00	1.101		
Isoform 1 of 6-phosphofructokinase, liver type	IPI00332371	85 kDa	0	0	0	1	7	0	5.43E+00	1.687		
Calpain small subunit 1	IPI00025084	28 kDa	2	1	3	3	7	6	4.90E+00	0.873		
Probable ATP-dependent RNA helicase DDX47	IPI00023972	51 kDa	1	5	6	2	11	1	6.77E-01	0.049		
Msx2-interacting protein	IPI00045914	402 kDa	1	2	1	0	1	0	1.98E+00	-0.822		
Isoform Mitochondrial of Peroxiredoxin-5,	IPI00024915	22 kDa	0	0	0	4	1	0	2.90E+00	1.431		
Isoform Mitochondrial of Phospholipid hydroperoxide glutathione peroxidase,	IPI00304814	22 kDa	0	2	0	3	2	0	7.58E-01	0.7		
Putative small nuclear ribonucleoprotein polypeptide E-like protein 1	IPI00068430	11 kDa	0	12	0	8	5	5	1.38E-01	0.835		
Pre-mRNA branch site protein p14	IPI00032827	15 kDa	2	4	5	4	6	5	6.76E-01	0.298		
Lysyl oxidase homolog 1	IPI00001597	63 kDa	0	1	0	6	5	7	1.84E+01	1.886		Yes
Isoform 1 of PC4 and SFRS1-interacting protein	IPI00028122	60 kDa	0	5	0	1	0	0	1.11E+00	-0.683		
Putative uncharacterized protein ATP6V1F	IPI00946714	16 kDa	0	7	0	11	10	5	3.61E-01	1.51		
Isoform 1 of Catenin alpha-1	IPI00215948	100 kDa	0	1	0	0	0	1	5.97E-01	-0.008		
Ribosome biogenesis protein NSA2 homolog	IPI00007089	30 kDa	0	10	6	4	3	3	1.35E+00	-0.335		
Transmembrane protein 214	IPI00477118	77 kDa	0	8	4	6	4	2	7.43E-01	0.064		
Poly [ADP-ribose] polymerase 1	IPI00449049	113 kDa	0	1	0	5	1	0	1.83E+00	1.013		
Keratin, type II cuticular Hb4	IPI00300052	65 kDa	161	217	199	207	213	218	2.92E+00	0.096		
Isoform 1 of Sodium channel protein type 1 subunit	IPI00018934	229 kDa	2	2	2	1	4	2	6.33E-01	0.147		
Isoform 1 of V-type proton ATPase subunit H	IPI00296191	56 kDa	0	2	0	9	6	3	4.69E+00	1.74		
DNA damage-binding protein 1	IPI00293464	127 kDa	4	7	5	10	1	3	6.88E-01	-0.226		
Ubiquitin-like protein 5	IPI00013241	9 kDa	5	11	3	5	4	4	8.98E-01	-0.335		
Mitotic spindle assembly checkpoint protein	IPI00012369	24 kDa	0	6	3	3	2	5	5.57E-01	0.158		
Plastin-3	IPI00216694	71 kDa	0	2	0	0	0	0	1.48E+00	-0.931		
Vacuolar protein sorting-associated protein 35	IPI00018931	92 kDa	0	0	0	0	1	0	1.12E+00	0.642		
Insulin-like growth factor-binding protein 5	IPI00029236	31 kDa	1	0	4	3	5	7	1.82E+00	0.9		
Glutaredoxin-1	IPI00219025	12 kDa	0	0	0	1	0	0	1.09E+00	0.678		
A disintegrin and metalloproteinase with thrombospondin motifs 1	IPI00005908	105 kDa	0	0	0	8	14	15	1.02E+04	2.938		Yes
Charged multivesicular body protein 3	IPI00100673	25 kDa	0	8	0	0	0	0	2.50E+00	-1.205		
Active regulator of SIRT1	IPI00219006	15 kDa	1	7	5	6	4	6	7.47E-01	0.213		
ATP-dependent RNA helicase DDX51	IPI00217541	72 kDa	0	9	8	5	5	2	2.24E+00	-0.278		
Isoform 3 of DnaJ homolog subfamily C member 11	IPI00333016	57 kDa	0	7	1	13	3	0	1.04E+00	0.489		
platelet-derived growth factor beta isoform 2	IPI00334195	26 kDa	9	4	6	4	4	8	6.33E-01	-0.163		
cDNA FLJ54183, highly similar to HLA class I histocompatibility antigen, Cw-7 alpha chain	IPI00940896	44 kDa	4	13	0	1	0	0	1.79E+01	-1.777	Yes	
Isoform 1 of 5'-3' exoribonuclease 2	IPI00100151	109 kDa	2	12	3	0	0	3	1.36E+00	-1.427		
Isoform 1 of Tyrosine-protein kinase BAZ1B	IPI00069817	171 kDa	0	7	0	3	2	1	6.56E-01	0.227		
Isoform 2 of Heterogeneous nuclear	IPI00334587	36 kDa	1	3	1	0	2	1	7.43E-01	-0.384		
Isoform 2 of Guanine nucleotide-binding protein-	IPI00003886	61 kDa	0	17	4	1	1	1	1.80E+01	-1.213	Yes	
Isoform 1 of Torsin-1A-interacting protein 1	IPI00936738	66 kDa	2	12	3	2	6	2	1.05E+00	-0.449		
annexin VI isoform 2	IPI00002459	75 kDa	0	2	0	6	0	1	1.63E+00	0.806		
SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a,	IPI00647510	121 kDa	6	28	11	11	5	4	3.74E+00	-0.72		
52 kDa protein	IPI00795769	52 kDa	0	1	1	0	0	0	1.48E+00	-1.007		
Isoform 1 of Polyadenylate-binding protein 1	IPI00008524	71 kDa	0	5	1	1	1	0	1.22E+00	-0.728		
Coiled-coil domain-containing protein 127	IPI00060148	31 kDa	0	5	0	10	7	3	9.93E-01	1.369		
cytochrome c oxidase subunit VIIa polypeptide 2 (liver) precursor	IPI00026570	13 kDa	0	2	0	3	2	1	4.72E-01	0.94		
Annexin A1	IPI00218918	39 kDa	0	18	1	0	0	0	1.20E+01	-1.757	Yes	
Putative uncharacterized protein NIT2	IPI00945908	29 kDa	3	0	0	0	0	0	1.92E+00	-1.046		
A disintegrin and metalloproteinase with thrombospondin motifs 5	IPI00009143	102 kDa	0	0	0	11	7	4	3.73E+01	2.648		Yes
Coactosin-like protein	IPI00017704	16 kDa	0	0	0	0	2	0	1.34E+00	0.915		
Ras-related protein Rab-14	IPI00291928	24 kDa	5	12	6	13	13	7	1.43E+00	0.361		
eukaryotic translation elongation factor 1 delta	IPI00789435	71 kDa	2	3	4	4	1	3	5.71E-01	-0.156		
Calpain-1 catalytic subunit	IPI00011285	82 kDa	1	0	1	1	9	1	1.80E+00	1.122		
Keratinocyte proline-rich protein	IPI00514908	64 kDa	3	2	4	0	0	1	2.35E+00	-1.472		

Protein name	IPI accession	Molecular weight	GEnC spectral count			Podocyte spectral count			QSpec analysis			
			Repeat 1	Repeat 2	Repeat 3	Repeat 1	Repeat 2	Repeat 3	Bayes factor	ln(fold change)	Significant: GEnC enriched	Significant: Podocyte enriched
Isoform 1 of Heterogeneous nuclear ribonucleoprotein U-like protein 1	IPI00013070	96 kDa	0	2	2	3	5	1	7.60E-01	0.677		
UPF0027 protein C22orf28	IPI00550689	55 kDa	0	1	0	4	0	0	1.32E+00	0.589		
Aladin	IPI00024143	60 kDa	0	9	4	2	5	2	8.87E-01	-0.239		
Isoform SCPx of Non-specific lipid-transfer protein	IPI00026105	59 kDa	1	13	0	1	2	2	1.44E+00	-0.477		
Probable ribosome biogenesis protein NEP1	IPI00025347	27 kDa	1	8	4	6	6	4	7.37E-01	0.208		
U3 small nucleolar RNA-associated protein 15	IPI00152708	58 kDa	0	9	3	5	2	2	7.66E-01	-0.17		
Protein	IPI00790743	16 kDa	0	6	1	2	5	7	5.34E-01	0.774		
cDNA FLJ41124 fis, clone BRACE2014850, highly similar to Small nuclear ribonucleoprotein-	IPI00785142	25 kDa	0	7	0	0	1	0	1.03E+00	-0.748		
Insulin-like growth factor-binding protein 3	IPI00018305	32 kDa	1	0	1	6	6	8	7.47E+01	1.763		Yes
Nuclear pore complex protein Nup153	IPI00292059	154 kDa	1	14	7	0	0	0	2.53E+01	-2.518	Yes	
NF-kappa-B-repressing factor	IPI00005675	78 kDa	0	16	8	0	3	0	3.69E+01	-1.641	Yes	
28S ribosomal protein S36, mitochondrial	IPI00020495	11 kDa	3	2	2	0	2	3	5.30E-01	-0.298		
shroom family member 3 protein	IPI00152881	217 kDa	0	4	2	0	1	0	2.56E+00	-1.166		
Estradiol 17-beta-dehydrogenase 12	IPI00007676	34 kDa	0	0	0	1	0	0	1.09E+00	0.678		
Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2	IPI00003348	37 kDa	5	13	0	0	0	0	1.12E+02	-2.182	Yes	
Caspase-14	IPI00013885	28 kDa	7	2	1	7	7	5	2.67E+00	0.603		
Isoform 1 of Importin-5	IPI00793443	124 kDa	0	6	0	0	0	0	4.10E+00	-1.266		
Isoform 1 of Transmembrane protein 209	IPI00045764	63 kDa	0	8	4	1	3	0	1.39E+00	-0.851		
Isoform 1 of Coiled-coil domain-containing protein	IPI00024642	56 kDa	0	3	0	6	1	0	5.88E-01	0.667		
Inositol 1,4,5-trisphosphate receptor type 3	IPI00291607	304 kDa	0	15	7	0	0	0	2.30E+02	-2.27	Yes	
Microtubule-actin cross-linking factor 1, isoform 4	IPI00432363	670 kDa	11	19	14	8	12	10	2.12E+00	-0.366		
Isoform 1 of Nucleoside diphosphate kinase A	IPI00012048	17 kDa	0	0	0	4	1	0	2.90E+00	1.431		
Myosin-Ie	IPI00329672	127 kDa	0	1	3	2	4	0	1.40E+00	0.295		
Exosome complex exonuclease RRP41	IPI00745613	26 kDa	0	5	5	6	4	5	3.82E-01	0.376		
Cleavage and polyadenylation specificity factor	IPI00646917	26 kDa	0	9	0	1	4	2	5.25E-01	0.245		
Calmodulin	IPI00075248	17 kDa	2	6	7	5	3	2	7.85E-01	-0.345		
Pre-mRNA-splicing factor SYF1	IPI00163084	100 kDa	0	16	1	1	1	0	3.38E+00	-0.94		
Heterogeneous nuclear ribonucleoprotein F	IPI00003881	46 kDa	0	3	0	2	2	0	7.75E-01	0.266		
Lactadherin	IPI00002236	43 kDa	0	0	0	0	1	3	1.81E+00	1.532		
Gamma-glutamyl hydrolase	IPI00023728	36 kDa	0	0	1	1	0	1	7.14E-01	0.368		
Translational activator GCN1	IPI00001159	293 kDa	1	0	0	0	1	0	1.13E+00	-0.02		
DNA-directed RNA polymerases I, II, and III subunit	IPI00003309	17 kDa	4	7	6	4	5	2	1.19E+00	-0.407		
A disintegrin and metalloproteinase with thrombospondin motifs 4	IPI00307276	90 kDa	8	4	5	1	0	0	1.40E+01	-2.074	Yes	
KH-type splicing regulatory protein	IPI00479786	73 kDa	0	2	1	0	0	0	1.74E+00	-1.332		
PHD finger protein 14 isoform 1	IPI00472782	107 kDa	2	2	1	1	0	0	1.20E+00	-0.977		
Signal peptidase complex subunit 2	IPI00472939	25 kDa	0	5	0	12	4	2	1.28E+00	1.023		
Isoform 1 of Nucleoporin p58/p45	IPI00107122	61 kDa	0	11	5	0	6	5	8.50E-01	-0.281		
Isoform C of Fibulin-1	IPI00296537	74 kDa	0	2	0	11	9	7	4.87E+01	2.078		Yes
Complement component C8 beta chain	IPI00294395	67 kDa	0	0	0	0	1	0	1.12E+00	0.642		
Isoform 1 of Suppression of tumorigenicity 5 protein	IPI00298518	127 kDa	0	0	0	0	1	1	1.20E+00	1.101		
Isoform 3 of Cytoskeleton-associated protein 5	IPI00921422	226 kDa	4	2	1	1	1	1	1.04E+00	-0.676		
Isoform 1 of Phosphatidylinositol 4-kinase alpha	IPI00070943	231 kDa	1	4	0	0	2	0	1.00E+00	-0.539		
Membrane-associated progesterone receptor	IPI00220739	22 kDa	0	4	0	4	1	2	6.00E-01	0.543		
WD repeats and SOF1 domain containing	IPI00306642	68 kDa	0	4	2	6	1	1	4.36E-01	0.288		
Isoform Long of Probable global transcription activator SNF2L2	IPI00514648	181 kDa	2	1	2	0	0	0	1.57E+00	-1.808		
Glutathione S-transferase Mu 3	IPI00246975	27 kDa	2	6	3	0	2	2	1.08E+00	-0.81		
Isoform 2 of DNA-directed RNA polymerase I	IPI00026445	122 kDa	2	10	2	3	3	4	7.22E-01	-0.217		
Profilin	IPI00107555	21 kDa	0	3	1	2	4	4	9.74E-01	0.81		
dynamin 2 isoform 4	IPI00181352	98 kDa	0	0	0	0	0	1	1.01E+00	0.653		
Isoform 1 of Myosin-XIX	IPI00894163	109 kDa	0	0	1	0	4	2	1.36E+00	1.111		
Isoform 1 of Netrin-4	IPI00328091	70 kDa	0	16	6	0	0	0	2.19E+02	-2.204	Yes	
Periodic tryptophan protein 2 homolog	IPI00300078	102 kDa	0	22	3	3	0	0	2.52E+00	-1.27		
Dolichol-phosphate mannosyltransferase	IPI00022018	30 kDa	2	5	3	0	0	0	4.19E+00	-2.042		
Serine/threonine-protein phosphatase PP1-beta catalytic subunit	IPI00218236	37 kDa	5	6	4	7	4	6	5.93E-01	0.116		
cDNA FLJ56285, highly similar to ADP-ribosylation factor-like protein 8B	IPI00018871	27 kDa	0	0	0	1	1	0	1.36E+00	1.063		
cDNA FLJ51518, highly similar to Annexin A11	IPI00909703	46 kDa	0	3	1	0	0	0	2.61E+00	-1.245		
mRNA export factor	IPI00019733	41 kDa	0	5	0	1	4	3	3.35E-01	0.534		
ATP-dependent RNA helicase DDX1	IPI00293655	82 kDa	0	0	0	1	0	0	1.09E+00	0.678		
Nucleolar complex protein 4 homolog	IPI00031661	58 kDa	2	12	0	5	0	0	6.97E-01	-0.753		
Small subunit processome component 20 homolog	IPI00004970	318 kDa	0	11	2	0	0	0	4.13E+01	-1.873	Yes	
Isoform 1 of Uncharacterized protein FLJ36031	IPI00385464	26 kDa	0	12	2	0	0	0	7.14E+00	-1.996		
Isoform 1 of Cingulin-like protein 1	IPI00307829	149 kDa	0	0	0	0	0	2	1.76E+00	0.862		
Cytochrome b-c1 complex subunit 9	IPI00554701	7 kDa	0	3	2	0	1	0	1.30E+00	-1.02		
Protein tyrosine phosphatase-like protein PTPLAD1	IPI00008998	43 kDa	2	7	0	7	1	2	4.67E-01	0.111		
14-3-3 protein theta	IPI00018146	28 kDa	4	2	1	6	5	1	1.00E+00	0.451		
Isoform 2 of Hyaluronan mediated motility receptor	IPI00844515	82 kDa	0	0	0	0	2	3	3.22E+00	1.523		
Isoform 1 of Neuroguidin	IPI00000162	36 kDa	4	9	6	0	2	2	9.81E+00	-1.262	Yes	
Splicing factor, arginine/serine-rich 19	IPI00303343	139 kDa	0	3	0	0	0	0	1.76E+00	-1.079		
cDNA FLJ59191, highly similar to NADH dehydrogenase (ubiquinone) 1 alpha subcomplex	IPI00942935	25 kDa	0	2	0	3	2	0	7.58E-01	0.7		
CDK5 regulatory subunit associated protein 2	IPI00553062	206 kDa	0	0	0	4	5	5	1.79E+01	2.248		Yes
Isoform 2 of Inter-alpha-trypsin inhibitor heavy	IPI00218192	101 kDa	3	0	0	0	0	0	1.92E+00	-1.046		
Isoform 1 of Cirhin	IPI00239815	77 kDa	0	10	1	2	0	0	1.09E+00	-1.022		
Putative uncharacterized protein GPR141	IPI00924609	20 kDa	0	0	1	7	7	8	9.22E+01	2.072		Yes
Tumor necrosis factor ligand superfamily member 9	IPI00013301	27 kDa	0	0	0	6	8	6	2.57E+01	2.681		Yes
Deoxyribonuclease-1	IPI00031065	31 kDa	0	0	1	1	10	12	2.37E+01	2.207		Yes
NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 7	IPI00452731	13 kDa	0	0	0	6	1	0	4.67E+00	1.72		
Filaggrin	IPI00026256	435 kDa	0	0	0	0	5	5	1.31E+01	2.089		Yes
Integrin alpha-8	IPI00023410	117 kDa	0	0	0	0	1	0	1.12E+00	0.642		
sideroflexin 3	IPI00793874	36 kDa	0	6	3	11	0	1	4.76E-01	-0.041		
14-3-3 protein epsilon	IPI00000816	29 kDa	0	0	0	4	4	1	3.95E+00	1.942		
Metastasis-associated protein MTA2	IPI00171798	75 kDa	0	3	0	2	7	0	1.36E+00	0.8		
210 kDa protein	IPI00943107	210 kDa	0	0	0	5	0	7	1.61E+01	2.092		Yes
Microsomal glutathione S-transferase 2	IPI00017767	17 kDa	2	10	4	4	6	2	7.94E-01	-0.201		
Isoform 1 of DNA polymerase zeta catalytic subunit	IPI00248651	353 kDa	0	0	0	0	3	2	2.04E+00	1.563		
keratin 77	IPI00376379	62 kDa	238	276	0	241	0	232	4.18E+00	0.033		
60S acidic ribosomal protein P2	IPI00008529	12 kDa	2	15	4	1	3	0	4.62E+00	-1.256		
U3 small nucleolar ribonucleoprotein protein IMP3	IPI00019488	22 kDa	0	0	0	2	2	1	1.71E+00	1.606		
Isoform 3 of Bcl-2-associated transcription factor 1	IPI00413672	100 kDa	0	8	0	0	0	0	2.50E+00	-1.205		
Isoform 1 of Putative hexokinase HKDC1	IPI00414612	103 kDa	0	0	0	17	0	1	3.80E+00	1.751		
Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3B	IPI00152377	94 kDa	0	5	0	12	0	0	1.46E+00	0.232		
Leucyl-tRNA synthetase, cytoplasmic	IPI00103994	134 kDa	0	5	10	0	0	0	1.23E+02	-2.149	Yes	
TRAM adaptor with GOLD domain isoform 1	IPI00428967	46 kDa	0	9	0	11	2	2	1.85E-01	0.874		
Small nuclear ribonucleoprotein G	IPI00016572	8 kDa	0	5	0	0	0	1	1.16E+00	-0.728		
Isoform 1 of Protein phosphatase 1 regulatory	IPI00183002	115 kDa	0	2	0	0	0	0	1.48E+00	-0.931		
Transmembrane emp24 domain-containing protein	IPI00016608	23 kDa	3	0	4	6	4	5	7.33E-01	0.744		
Neurofilament light polypeptide	IPI00237671	62 kDa	0	0	0	42	71	55	4.42E+10	3.91		Yes
Ras-related protein Rab-7a	IPI00016342	23 kDa	0	5	0	1	4	2	5.99E-01	0.407		
Isoform XLas-1 of Guanine nucleotide-binding protein G(s) subunit alpha isoforms XLas	IPI00095891	111 kDa	0	9	0	0	0	5	1.64E+00	-0.208		
Isoform 2 of UPF0399 protein C6orf153	IPI00787473	29 kDa	0	2	0	7	2	4	2.39E+00	1.343		
Isoform 1 of Ras-related protein Rab-1A	IPI00005719	23 kDa	4	13	6	13	14	14	5.15E+00	0.548		
Cleavage and polyadenylation specificity factor	IPI00419531	88 kDa	0	2	0	3	1	1	7.57E-01	0.686		

			GEnC spectral count			Podocyte spectral count			QSpec analysis			
Protein name	IPI accession	Molecular weight	Repeat 1	Repeat 2	Repeat 3	Repeat 1	Repeat 2	Repeat 3	Bayes factor	ln(fold change)	Significant: GEnC enriched	Significant: Podocyte enriched
Villin-1	IPI00218852	93 kDa	0	0	2	1	3	3	9.43E-01	0.931		
Nucleoporin Nup37	IPI00171665	37 kDa	5	4	4	2	5	1	1.06E+00	-0.472		
Something about silencing protein 10	IPI00006900	55 kDa	0	7	0	4	3	0	3.66E-01	0.359		
ubiquitin-like protein fubi and ribosomal protein S30 precursor	IPI00019770	14 kDa	0	2	0	0	1	0	8.99E-01	-0.294		
Actin, aortic smooth muscle	IPI00008603	42 kDa	0	1120	1165	1103	1019	919	0.00E+00	1.336		
260 kDa protein	IPI00878468	260 kDa	0	6	2	1	0	0	4.30E+00	-1.305		
Putative uncharacterized protein C3orf49	IPI00069524	33 kDa	0	1	1	0	0	0	1.48E+00	-1.007		
Deoxyribonucleoside 5'-monophosphate N-	IPI00007926	19 kDa	0	0	0	0	2	3	3.22E+00	1.523		
Isoform 1 of Collagen alpha-1(III) chain	IPI00021033	139 kDa	0	1	0	0	0	0	1.12E+00	-0.66		
Midkine	IPI00010333	16 kDa	9	2	14	0	0	0	4.68E+01	-2.775	Yes	
Metalloproteinase inhibitor 3	IPI00218247	24 kDa	0	0	1	0	0	0	1.22E+00	-0.651		
Phosphomevalonate kinase	IPI00220648	22 kDa	0	0	0	2	1	1	1.67E+00	1.583		
Mitochondrial carnitine/acylcarnitine carrier protein	IPI00013957	33 kDa	0	0	0	7	0	0	3.53E+00	1.244		
cDNA FLJ59739, highly similar to Protein transport protein Sec61 subunit alpha isoform 1	IPI00218466	53 kDa	0	4	1	3	1	2	6.36E-01	0.204		
Isoform UBF1 of Nucleolar transcription factor 1	IPI00014533	89 kDa	0	5	0	0	0	0	2.44E+00	-1.236		
Probable rRNA-processing protein EBP2	IPI00745955	35 kDa	0	8	0	0	0	0	2.50E+00	-1.205		
Cyclin-dependent kinase inhibitor 2A, isoform 4	IPI00478390	18 kDa	5	10	8	1	0	0	8.93E+01	-2.26	Yes	
Human GST-HIS-MOB1A2 (pET41)	MAN00000004	56 kDa	0	0	0	8	5	5	2.44E+01	2.596		Yes
Poly [ADP-ribose] polymerase 4	IPI00296909	193 kDa	6	8	5	0	0	0	2.45E+01	-2.594	Yes	
28S ribosomal protein S21, mitochondrial	IPI00014812	11 kDa	0	6	0	4	0	0	4.08E-01	-0.08		
Isoform Long of Fibroblast growth factor 5	IPI00295390	30 kDa	1	0	0	0	5	9	2.38E+01	1.713		Yes
Ribosome biogenesis protein BMS1 homolog	IPI00006099	146 kDa	0	13	0	1	0	0	1.55E+00	-0.793		
Isoform Long of 14-3-3 protein beta/alpha	IPI00216318	28 kDa	4	4	3	0	4	1	7.36E-01	-0.725		
Isoform 2 of DNA repair protein RAD50	IPI00549205	155 kDa	2	0	0	1	0	0	9.76E-01	-0.235		
NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 10	IPI00479905	21 kDa	0	3	1	11	0	0	7.87E-01	0.206		
cathepsin A isoform a precursor	IPI00640525	56 kDa	0	2	0	0	7	7	8.15E+00	1.548		
Isoform 1 of DNA-directed RNA polymerase I	IPI00251989	54 kDa	3	4	5	8	0	0	6.04E-01	-0.602		
Pterin-4-alpha-carbinolamine dehydratase	IPI00218568	12 kDa	0	0	0	4	2	3	5.38E+00	2.016		
Coiled-coil domain-containing protein 13	IPI00065051	81 kDa	1	3	0	1	5	1	6.50E-01	0.408		
Death-associated protein kinase 3	IPI00015213	53 kDa	9	5	1	0	0	0	1.61E+01	-2.111	Yes	
Isoform 1 of Crooked neck-like protein 1	IPI00177437	100 kDa	0	12	0	0	0	2	1.41E+00	-0.548		
Isoform 2 of Poly [ADP-ribose] polymerase 9	IPI00377267	92 kDa	0	3	13	0	0	0	1.78E+01	-2.005	Yes	
Isoform 1 of Far upstream element-binding protein	IPI00377261	62 kDa	0	1	0	0	0	0	1.12E+00	-0.66		
NAD(P) transhydrogenase, mitochondrial	IPI00337541	114 kDa	0	1	0	10	0	0	1.09E+00	0.769		
Isoform 1 of PDZ and LIM domain protein 7	IPI00023122	50 kDa	0	0	1	0	0	0	1.22E+00	-0.651		
Alpha-centractin	IPI00029468	43 kDa	0	1	0	0	1	1	8.23E-01	0.386		
cDNA FLJ61162, highly similar to Ras-related protein	IPI00012512	24 kDa	3	2	3	0	5	3	6.24E-01	-0.07		
Isoform 4 of Myosin-XVIIIa	IPI00828082	231 kDa	0	0	0	1	0	2	1.38E+00	1.183		
Isoform 1 of Sister chromatid cohesion protein PDS5 homolog A	IPI00854642	151 kDa	2	0	2	3	1	5	5.11E-01	0.712		
tropomyosin 1 alpha chain isoform 7	IPI00216134	29 kDa	108	121	83	111	61	85	4.06E+00	-0.199		
C-1-tetrahydrofolate synthase, cytoplasmic	IPI00218342	102 kDa	0	0	0	0	1	1	1.20E+00	1.101		
Signal-induced proliferation-associated protein 1	IPI00305305	112 kDa	1	5	4	0	0	1	3.88E+00	-1.558		
Isoform 1 of Transportin-1	IPI00024364	102 kDa	0	0	0	5	1	1	2.23E+00	1.943		
Isoform 1 of Membrane magnesium transporter 1	IPI00922265	15 kDa	2	6	3	2	2	2	1.37E+00	-0.515		
Isoform 1 of Ras-related protein Rab-6A	IPI00023526	24 kDa	0	0	0	19	12	9	5.57E+03	2.798		Yes
Isoform 2 of Tensin-like C1 domain-containing	IPI00385317	143 kDa	1	0	2	1	2	0	9.40E-01	0.021		
cDNA, FLJ79184, highly similar to Procollagen-lysine, 2-oxoglutarate 5-dioxygenase 1	IPI00027192	88 kDa	0	2	0	5	2	1	1.06E+00	1.075		
Cytochrome c1, heme protein, mitochondrial	IPI00029264	35 kDa	0	1	0	3	0	0	8.99E-01	0.518		
Isoform 1 of Uncharacterized protein C2orf73	IPI00856014	32 kDa	2	1	3	0	2	0	7.04E-01	-0.812		
Isoform 1 of EGF-like repeat and discoidin I-like domain-containing protein 3	IPI00306046	54 kDa	3	0	7	2	1	0	3.14E+00	-0.856		
Histone H2A.x	IPI00219037	15 kDa	77	114	76	95	70	65	1.23E+00	-0.156		
Isoform 3 of Centromere protein V	IPI00376481	30 kDa	1	10	6	0	0	0	2.09E+01	-2.269	Yes	
39S ribosomal protein L34, mitochondrial	IPI00028390	10 kDa	4	2	0	4	1	0	1.60E+00	-0.134		
Isoform 1 of Tumor suppressor p53-binding protein	IPI00029778	214 kDa	0	0	0	0	1	0	1.12E+00	0.642		
CDGSH iron sulfur domain-containing protein 3, mitochondrial	IPI00783359	14 kDa	0	2	0	0	0	0	1.48E+00	-0.931		
Annexin A5	IPI00329801	36 kDa	0	1	1	2	2	2	1.11E+00	0.811		
Isoform 1 of Microtubule-associated protein 4	IPI00396171	121 kDa	6	0	1	1	0	2	1.25E+00	-0.55		
Microfibrillar-associated protein 1	IPI00022790	52 kDa	4	7	2	1	3	0	1.48E+00	-1.032		
Exosome complex exonuclease MTR3	IPI00073602	28 kDa	0	6	8	2	2	2	3.41E+00	-0.661		
KRR1 small subunit processome component	IPI00156032	44 kDa	2	9	3	0	0	0	8.41E+00	-2.268		
Golgin subfamily A member 7	IPI00480022	16 kDa	3	6	2	0	2	2	1.15E+00	-0.836		
Isoform 1 of Urokinase-type plasminogen activator	IPI00296180	49 kDa	2	0	2	5	5	5	3.91E+00	1.09		
Isoform 1 of Metaxin-3	IPI00646857	35 kDa	0	4	0	7	4	5	8.23E-01	1.214		
Probable ergosterol biosynthetic protein 28	IPI00007730	16 kDa	2	5	4	3	2	2	9.08E-01	-0.38		
Isoform 1 of Translocon-associated protein subunit	IPI00301021	32 kDa	1	6	0	8	3	4	4.39E-01	0.863		
Isoform 1 of RNA-binding protein 34	IPI00181617	49 kDa	0	7	4	11	0	0	8.67E-01	-0.48		
Putative uncharacterized protein PDGFA	IPI00787244	23 kDa	5	1	6	1	2	3	1.43E+00	-0.584		
Tetratricopeptide repeat protein 35	IPI00014149	35 kDa	0	10	2	3	0	2	1.26E+00	-0.54		
Isoform Sp100-HMG of Nuclear autoantigen Sp-100	IPI00011675	100 kDa	1	12	0	0	0	0	5.67E+00	-1.814		
Isoform 1 of RNA exonuclease 4	IPI00010653	47 kDa	0	2	1	5	0	0	7.05E-01	0.051		
actin, beta-like 3	IPI00888712	104 kDa	238	391	318	368	321	311	1.45E+00	0.096		
Cleavage stimulation factor subunit 3	IPI00015195	83 kDa	0	2	1	3	2	1	8.63E-01	0.533		
Integrin alpha-5	IPI00306604	115 kDa	0	11	3	0	0	0	4.64E+01	-1.984	Yes	
6.8 kDa mitochondrial proteolipid	IPI00749237	7 kDa	0	1	0	0	0	0	1.12E+00	-0.66		
Isoform 2 of Adipocyte plasma membrane-	IPI00929530	32 kDa	0	0	0	1	13	9	3.34E+01	2.428		Yes
Sideroflexin-1	IPI00009368	36 kDa	1	1	0	5	0	0	1.21E+00	0.33		
LYR motif containing 4 isoform 3	IPI00944550	11 kDa	1	4	0	2	2	2	5.88E-01	0.236		
Isoform 3 of Myosin-Va	IPI00220154	219 kDa	2	6	1	1	1	2	1.37E+00	-0.584		
Methylcytosine dioxygenase TET1	IPI00303112	235 kDa	3	2	4	2	0	1	9.02E-01	-0.96		
Guanine nucleotide-binding protein subunit alpha-	IPI00000695	42 kDa	5	4	0	0	0	0	1.04E+01	-1.898	Yes	
Isoform 1 of Galectin-8	IPI00010844	36 kDa	0	0	0	2	2	0	1.75E+00	1.408		
Probable ribosome biogenesis protein RLP24	IPI00008437	20 kDa	0	5	2	3	6	0	4.99E-01	0.203		
Isoform A of Trypsin-3	IPI00015614	33 kDa	0	1	2	7	3	5	5.31E+00	1.198		
Interferon-induced 17 kDa protein	IPI00375631	18 kDa	3	7	4	0	0	0	1.01E+01	-2.304	Yes	
similar to actin, gamma 1	IPI00739464	17 kDa	0	1	0	1	0	6	2.14E+00	1.11		
Probable ATP-dependent RNA helicase DDX10	IPI00297900	101 kDa	0	9	0	5	0	1	4.39E-01	0.08		
Isoform 1 of N-acylneuraminate cytidylyltransferase	IPI00303158	48 kDa	0	1	0	5	0	0	1.60E+00	0.716		
Cold-inducible RNA-binding protein	IPI00180954	19 kDa	6	2	2	0	0	0	3.75E+00	-1.946		
cDNA FLJ55574, highly similar to Calnexin	IPI00020984	72 kDa	0	4	0	0	0	0	2.48E+00	-1.164		
Complement factor H-related protein 1	IPI00011264	38 kDa	0	0	0	0	0	1	1.01E+00	0.653		
Similar to Protein furry homolog-like	IPI00746419	339 kDa	0	1	3	1	0	0	1.92E+00	-0.755		
Actin-related protein 2/3 complex subunit 5-like	IPI00414554	17 kDa	0	0	1	3	3	1	1.03E+00	1.228		
Isoform Epsilon of Apoptosis regulator BAX	IPI00071059	18 kDa	0	2	0	2	3	0	8.22E-01	0.721		
Keratin, type II cytoskeletal 75	IPI00005859	60 kDa	204	190	185	231	0	247	0.00E+00	-0.906		
18 kDa protein	IPI00644570	18 kDa	2	2	3	3	3	4	8.54E-01	0.335		
cDNA FLJ61695, highly similar to Glioma tumor suppressor candidate region gene 2 protein	IPI00910443	70 kDa	1	4	3	1	2	2	9.21E-01	-0.37		
Ribosome biogenesis protein WDR12	IPI00304232	48 kDa	1	7	2	2	1	1	1.62E+00	-0.716		
Isoform 4 of MAP7 domain-containing protein 1	IPI00867630	89 kDa	1	1	4	0	0	0	1.51E+00	-1.733		
Transmembrane protein 205	IPI00063130	21 kDa	2	3	0	6	0	1	6.17E-01	0.19		
Myosin XVIIIB	IPI00306929	285 kDa	0	0	1	2	1	3	1.80E+00	1.122		
Cytochrome b reductase 1	IPI00100199	32 kDa	2	4	2	3	5	4	7.95E-01	0.358		
Procollagen galactosyltransferase 1	IPI00168262	72 kDa	0	0	0	1	0	0	1.09E+00	0.678		
Muscle, skeletal, receptor tyrosine kinase	IPI00514895	13 kDa	2	2	2	0	1	3	4.94E-01	-0.414		
Cell growth-regulating nucleolar protein	IPI00015838	44 kDa	1	5	3	0	0	0	4.64E+00	-1.871		

Protein name	IPI accession	Molecular weight	GEnC spectral count			Podocyte spectral count			QSpec analysis			
			Repeat 1	Repeat 2	Repeat 3	Repeat 1	Repeat 2	Repeat 3	Bayes factor	ln(fold change)	Significant: GEnC enriched	Significant: Podocyte enriched
ER lipid raft associated 1	IPI00007940	39 kDa	8	24	7	18	0	0	1.04E-01	-1.354		
Protein Red	IPI00011875	66 kDa	0	7	0	1	0	0	1.48E+00	-0.762		
Isoform 1 of Zinc finger CCCH domain-containing	IPI00397376	83 kDa	0	8	1	0	0	0	5.53E+00	-1.617		
Isoform 1 of UAP56-interacting factor	IPI00289907	36 kDa	1	2	3	3	3	1	8.67E-01	0.111		
Isoform 1 of DNA-directed RNA polymerase I	IPI00645816	55 kDa	0	4	3	1	1	1	1.89E+00	-0.582		
V-type proton ATPase subunit C 1	IPI00007814	44 kDa	0	0	0	7	6	1	8.26E+00	2.198		
matrix metalloproteinase 14 preproprotein	IPI00896498	66 kDa	0	3	0	2	6	5	9.01E-01	1.316		
Golgi autoantigen, golgin subfamily a, 2	IPI00413895	113 kDa	0	8	1	3	2	0	8.64E-01	-0.284		
Isoform 1 of RING finger protein 170	IPI00742872	30 kDa	0	5	2	8	2	0	6.30E-01	0.213		
Nicotinamide mononucleotide adenylyltransferase	IPI00009726	32 kDa	0	2	2	2	8	5	3.09E+00	1.124		
Ribonucleases P/MRP protein subunit POP1	IPI00293331	115 kDa	0	3	6	0	2	0	2.69E+00	-1.14		
Histone-binding protein RBBP7	IPI00395865	48 kDa	1	7	1	0	0	0	4.00E+00	-1.864		
Oligosaccharyltransferase complex subunit OSTC	IPI00183603	17 kDa	0	7	1	3	2	0	9.79E-01	-0.229		
Rho/rac guanine nucleotide exchange factor 2	IPI00472160	121 kDa	13	0	3	0	0	0	2.22E+01	-2.029	Yes	
Protein Wnt	IPI00876998	39 kDa	0	0	0	0	3	7	1.61E+01	1.863		Yes
dehydrogenase/reductase member 2 isoform 2	IPI00218235	30 kDa	0	10	5	0	0	0	9.05E+01	-2.224	Yes	
Isoform 1 of Tyrosine-protein phosphatase non-receptor type 20	IPI00294644	48 kDa	1	4	6	4	3	2	7.08E-01	-0.17		
Isoform 3 of Protein transport protein Sec31A	IPI00305152	122 kDa	0	0	4	4	0	1	7.52E-01	0.256		
Ras-related protein Rab-5A	IPI00023510	24 kDa	0	14	5	4	5	2	1.40E+00	-0.333		
Isoform 1 of Dynein heavy chain 10, axonemal	IPI00784869	515 kDa	0	2	1	1	1	0	9.25E-01	-0.288		
keratin 4	IPI00290078	64 kDa	83	93	0	0	0	130	8.94E+01	-1.582	Yes	
Thyroid transcription factor 1-associated protein 26	IPI00329594	29 kDa	0	3	1	4	4	4	1.38E+00	0.988		
Casein kinase II subunit beta	IPI00010865	25 kDa	0	9	1	1	2	1	1.49E+00	-0.469		
Desmoglein-1	IPI00025753	114 kDa	6	0	1	0	0	3	9.52E-01	-0.581		
Isoform 1 of Uncharacterized protein KIAA1671	IPI00396634	197 kDa	0	0	0	0	4	1	2.78E+00	1.696		
Coiled-coil-helix-coiled-coil-helix domain-containing protein 6	IPI00031622	26 kDa	0	6	2	2	2	1	1.24E+00	-0.268		
TRIP12 protein	IPI00032342	226 kDa	0	1	2	0	0	0	1.83E+00	-1.251		
Coiled-coil domain-containing protein 137	IPI00401962	33 kDa	0	4	2	0	2	2	6.10E-01	-0.233		
Procollagen-lysine,2-oxoglutarate 5-dioxygenase 3	IPI00030255	85 kDa	0	2	0	0	0	0	1.48E+00	-0.931		
Isoform 1 of Nuclear envelope pore membrane protein POM 121	IPI00902533	128 kDa	0	9	0	1	1	0	1.51E+00	-0.556		
Isoform 2 of Polymerase delta-interacting protein 3	IPI00440689	43 kDa	2	2	0	0	0	0	2.52E+00	-1.369		
Isoform 1 of Aldehyde dehydrogenase family 16	IPI00217920	85 kDa	0	0	0	1	0	1	1.18E+00	1.013		
Isoform 1 of RNA-binding protein with serine-rich	IPI00033561	34 kDa	0	4	0	0	0	0	2.48E+00	-1.164		
eukaryotic translation initiation factor 4 gamma, 1	IPI00386533	155 kDa	0	0	0	0	0	1	1.01E+00	0.653		
Isoform 1 of Coiled-coil domain-containing protein	IPI00171573	40 kDa	0	1	0	7	4	1	5.90E+00	1.647		
Thymidylate kinase	IPI00013862	24 kDa	1	0	0	2	3	2	1.72E+00	1.212		
Coiled-coil domain-containing protein 12	IPI00453463	19 kDa	0	10	2	0	1	1	3.78E+00	-1.128		
Pogo transposable element with KRAB domain	IPI00001651	69 kDa	1	0	1	0	3	2	1.17E+00	0.533		
Coiled-coil domain-containing protein 68	IPI00018854	39 kDa	1	4	4	6	1	2	5.91E-01	-0.029		
Isoform 1 of Transcription intermediary factor 1-	IPI00438229	89 kDa	0	1	0	0	0	0	1.12E+00	-0.66		
NADH dehydrogenase [ubiquinone] flavoprotein 2, mitochondrial	IPI00291328	27 kDa	0	0	0	5	0	0	2.89E+00	1.218		
Isoform 1 of Transcriptional repressor p66-alpha	IPI00410330	68 kDa	0	0	0	0	1	0	1.12E+00	0.642		
Isoform 1 of Nucleolar protein 14	IPI00022613	98 kDa	0	12	0	0	0	0	2.95E+00	-1.307		
Isoform 1 of Uncharacterized protein C3orf63	IPI00790098	189 kDa	2	3	1	0	0	0	2.90E+00	-1.801		
Isoform IIb of Prolyl 4-hydroxylase subunit alpha-2	IPI00003128	61 kDa	0	0	0	1	1	0	1.36E+00	1.063		
Mitochondrial import inner membrane translocase subunit TIM14	IPI00304306	12 kDa	2	6	0	1	0	0	3.70E+00	-1.249		
Isoform 1 of Protein Wiz	IPI00295502	179 kDa	1	2	0	1	0	0	5.11E-01	-0.632		
Mitochondrial glutamate carrier 1	IPI00003004	34 kDa	0	0	0	6	3	0	7.64E+00	1.938		
High-mobility group box 1	IPI00645948	26 kDa	0	0	1	3	2	2	1.40E+00	1.331		
CDNA FLJ27172 fis, clone SYN01847	IPI00854597	15 kDa	1	0	3	0	1	5	6.08E-01	0.23		
Microtubule-associated protein 1B	IPI00008868	271 kDa	0	0	0	0	5	1	3.84E+00	1.773		
Coagulation factor XIII A chain	IPI00297550	83 kDa	1	2	0	4	4	2	1.50E+00	0.935		
Splicing factor, arginine/serine-rich 2	IPI00005978	25 kDa	0	2	0	0	3	1	6.25E-01	0.514		
80 kDa MCM3-associated protein	IPI00028954	218 kDa	1	5	4	0	2	0	1.15E+00	-1.313		
cDNA FLJ55764, highly similar to Apolipoprotein-L2	IPI00220007	50 kDa	0	1	0	7	4	5	1.53E+01	1.847		Yes
39S ribosomal protein L11, mitochondrial	IPI00007001	21 kDa	5	0	0	0	0	0	2.68E+00	-1.298		
Ribosome maturation protein SBDS	IPI00427330	29 kDa	2	0	1	2	3	4	1.58E+00	0.899		
NADH dehydrogenase [ubiquinone] 1 subunit C2	IPI00029558	14 kDa	0	3	0	9	2	0	1.27E+00	0.942		
Acetylcholine receptor subunit epsilon	IPI00029753	55 kDa	2	3	1	4	3	1	6.60E-01	0.286		
Neighbor of COX4	IPI00005740	24 kDa	1	3	3	4	2	4	6.89E-01	0.364		
p21-activated protein kinase-interacting protein 1	IPI00549540	44 kDa	0	7	4	4	0	2	1.25E+00	-0.533		
insulin-like growth factor 2 isoform 2	IPI00215977	26 kDa	3	5	4	0	0	0	1.14E+01	-2.19	Yes	
Isoform B of Collagen alpha-1(XI) chain	IPI00218539	182 kDa	0	0	0	4	0	0	2.38E+00	1.178		
Proliferating cell nuclear antigen	IPI00021700	29 kDa	0	2	0	0	0	0	1.48E+00	-0.931		
Sterol 26-hydroxylase, mitochondrial	IPI00025307	60 kDa	0	0	0	0	1	2	2.20E+00	1.415		
Isoform 1 of U3 small nucleolar RNA-associated protein 14 homolog A	IPI00107113	88 kDa	0	7	0	0	0	0	3.04E+00	-1.297		
Isoform A of Probable cation-transporting ATPase	IPI00034277	133 kDa	0	1	0	6	0	0	3.01E+00	0.751		
Isoform 1 of Pericentriolar material 1 protein	IPI00006213	228 kDa	0	7	0	1	0	0	1.48E+00	-0.762		
protein phosphatase 1, regulatory subunit 9B	IPI00045550	89 kDa	1	0	0	0	0	0	1.12E+00	-0.673		
Isoform Short of NADPH:adrenodoxin oxidoreductase, mitochondrial	IPI00026958	54 kDa	0	0	0	1	0	0	1.09E+00	0.678		
Isoform 1 of GAS2-like protein 2	IPI00169377	97 kDa	0	0	0	0	0	2	1.76E+00	0.862		
12 kDa protein	IPI00797738	12 kDa	0	0	0	10	0	0	2.45E+00	1.233		
Isoform 1 of Lysine-specific demethylase NO66	IPI00002879	71 kDa	0	4	2	1	2	1	1.03E+00	-0.258		
Staphylococcal nuclease domain-containing protein	IPI00140420	102 kDa	0	1	0	0	0	0	1.12E+00	-0.66		
Isoform 1 of Extended synaptotagmin-1	IPI00022143	123 kDa	0	2	0	3	1	0	6.17E-01	0.533		
Biorientation of chromosomes in cell division	IPI00797574	330 kDa	0	2	0	0	0	0	1.48E+00	-0.931		
tropomyosin 3 isoform 1	IPI00183968	33 kDa	84	97	55	71	40	63	7.46E+00	-0.303		
Isoform 1 of Regulator of microtubule dynamics	IPI00410079	52 kDa	0	5	0	5	1	3	6.38E-01	0.655		
Isoform 1 of Suppressor of SWI4 1 homolog	IPI00329590	53 kDa	0	9	2	1	0	0	7.21E+00	-1.412		
Protein AATF	IPI00302238	63 kDa	0	9	0	0	0	0	4.22E+00	-1.245		
Coatomer subunit gamma	IPI00783982	98 kDa	0	0	0	1	0	0	1.09E+00	0.678		
Isoform 1 of Coiled-coil and C2 domain-containing	IPI00302647	104 kDa	0	0	0	1	0	0	1.09E+00	0.678		
Charged multivesicular body protein 5	IPI00100796	25 kDa	0	9	5	0	0	0	4.59E+01	-2.313	Yes	
Small proline-rich protein 2E	IPI00386597	8 kDa	3	0	9	0	0	0	1.32E+01	-2.123	Yes	
Zyxin	IPI00926625	61 kDa	0	6	0	0	0	0	4.10E+00	-1.266		
Isoform 1 of Ubiquitin carboxyl-terminal hydrolase 6	IPI00423562	159 kDa	1	0	0	0	1	3	1.19E+00	0.747		
Isoform 4 of Carboxylesterase 8	IPI00167706	42 kDa	3	1	1	1	1	3	6.16E-01	0.049		
Putative uncharacterized protein CBX1	IPI00878669	22 kDa	0	11	0	0	0	0	2.20E+00	-1.188		
Isoform 1 of Alpha-(1,6)-fucosyltransferase	IPI00004668	67 kDa	0	6	0	5	0	0	6.33E-01	-0.113		
Isoform 1 of CDP-diacylglycerol--inositol 3-phosphatidyltransferase	IPI00645518	24 kDa	1	0	0	11	2	2	4.48E+00	1.884		
ADP/ATP translocase 1	IPI00022891	33 kDa	0	0	0	42	29	0	4.71E+03	2.962		Yes
Disks large-associated protein 3	IPI00219434	106 kDa	0	0	0	0	3	2	2.04E+00	1.563		
Mitochondrial import receptor subunit TOM22	IPI00024976	16 kDa	0	0	0	18	1	1	5.91E+00	2.076		
Uncharacterized protein DKFZp434B061	IPI00552600	59 kDa	0	0	1	0	0	0	1.22E+00	-0.651		
Cathepsin D	IPI00011229	45 kDa	0	0	0	0	1	1	1.20E+00	1.101		
Nucleoporin Nup43	IPI00742943	42 kDa	0	5	2	2	4	0	5.24E-01	-0.101		
Coiled-coil domain-containing protein 86	IPI00012199	40 kDa	1	3	1	3	2	0	7.41E-01	-0.017		
Putative uncharacterized protein	IPI00010402	24 kDa	0	1	3	0	3	4	1.01E+00	0.444		
Coatomer subunit beta	IPI00295851	107 kDa	0	2	0	0	0	0	1.48E+00	-0.931		
Membrane-associated progesterone receptor	IPI00005202	26 kDa	0	5	0	4	0	0	7.64E-01	-0.055		
cDNA FLJ56443, highly similar to Putative ATP-dependent RNA helicase DHX33	IPI00302860	85 kDa	0	2	2	1	0	0	6.93E-01	-0.903		
Pericentrin	IPI00479143	378 kDa	0	1	1	0	0	1	5.48E-01	-0.459		
Dynactin 2 (P50), isoform CRA_b	IPI00789792	34 kDa	3	2	1	0	0	0	1.65E+00	-1.751		

			GEnC spectral count			Podocyte spectral count			QSpec analysis			
Protein name	IPI accession	Molecular weight	Repeat 1	Repeat 2	Repeat 3	Repeat 1	Repeat 2	Repeat 3	Bayes factor	ln(fold change)	Significant: GEnC enriched	Significant: Podocyte enriched
Rab-like protein 3	IPI00102897	26 kDa	0	2	1	5	2	2	1.16E+00	0.904		
regulator of chromosome condensation 1 isoform a	IPI00001661	48 kDa	1	0	0	6	0	0	1.68E+00	0.839		
Isoform 1 of TRAF2 and NCK-interacting protein	IPI00145805	155 kDa	0	3	1	1	0	0	1.59E+00	-0.715		
Cleavage and polyadenylation specificity factor	IPI00026219	161 kDa	0	2	3	0	0	1	2.29E+00	-1.044		
28S ribosomal protein S7, mitochondrial	IPI00006440	28 kDa	0	5	0	3	0	0	6.82E-01	-0.238		
192 kDa protein	IPI00952618	192 kDa	4	2	4	0	0	0	4.69E+00	-2.007		
TDP43	IPI00025815	45 kDa	0	5	0	0	0	0	2.44E+00	-1.236		
Isoform 2 of Keratin, type II cytoskeletal 80	IPI00431749	47 kDa	0	0	0	17	74	31	1.05E+06	3.801		Yes
Periostin, osteoblast specific factor	IPI00641231	90 kDa	46	123	72	0	0	0	5.95E+09	-4.432	Yes	
Isoform 1 of Glucoside xylosyltransferase 1	IPI00217652	51 kDa	0	0	0	0	1	2	2.20E+00	1.415		
Putative uncharacterized protein PLRG1	IPI00871903	57 kDa	0	7	2	0	1	0	5.00E+00	-1.278		
60S ribosomal protein L36a	IPI00220344	12 kDa	0	5	0	1	3	2	7.01E-01	0.401		
Putative uncharacterized protein OSCAR	IPI00658071	16 kDa	0	0	0	6	6	5	9.65E+00	2.172		Yes
12 kDa protein	IPI00943281	12 kDa	0	1	0	2	0	0	8.24E-01	0.316		
Isoform 1 of Acyl-CoA dehydrogenase family	IPI00420065	87 kDa	0	0	0	1	0	0	1.09E+00	0.678		
Deoxynucleotidyltransferase terminal-interacting	IPI00290410	91 kDa	0	6	0	0	0	0	4.10E+00	-1.266		
cDNA FLJ52271, moderately similar to Ubiquinol-cytochrome c reductase complex 14 kDa protein	IPI00790644	19 kDa	0	3	1	5	0	0	9.65E-01	-0.01		
Tissue factor pathway inhibitor 2	IPI00009198	27 kDa	7	2	6	0	0	0	1.14E+01	-2.157	Yes	
NADH dehydrogenase [ubiquinone] iron-sulfur protein 8, mitochondrial	IPI00010845	24 kDa	0	0	0	5	0	0	2.89E+00	1.218		
Isoform 1 of Heterogeneous nuclear	IPI00011274	46 kDa	0	5	0	0	0	0	2.44E+00	-1.236		
Putative uncharacterized protein MRPL23	IPI00894530	14 kDa	0	0	0	1	0	0	1.09E+00	0.678		
PDZ and LIM domain protein 5	IPI00007935	64 kDa	0	2	1	0	0	0	1.74E+00	-1.332		
Proto-oncogene tyrosine-protein kinase Yes	IPI00013981	61 kDa	0	3	2	0	1	0	1.30E+00	-1.02		
Isoform 1 of Brain acid soluble protein 1	IPI00299024	23 kDa	0	2	0	3	1	0	6.17E-01	0.533		
Isoform 2 of Glutaminyl-peptide cyclotransferase-	IPI00014877	43 kDa	3	1	0	2	1	2	6.64E-01	0.139		
Isoform Long of Double-stranded RNA-binding protein Staufen homolog 1	IPI00000001	63 kDa	1	4	1	1	0	0	1.25E+00	-1.081		
Isoform 1 of AP-2 complex subunit sigma	IPI00219840	17 kDa	0	0	0	2	1	0	1.90E+00	1.265		
NADH-cytochrome b5 reductase 1	IPI00470674	34 kDa	0	2	0	1	1	1	5.45E-01	0.353		
suprabasin isoform 1 precursor	IPI00947285	61 kDa	6	1	1	4	1	5	7.92E-01	0.209		
Thiosulfate sulfurtransferase	IPI00216293	33 kDa	0	1	0	0	0	0	1.12E+00	-0.66		
KIAA1529 protein	IPI00470917	213 kDa	0	2	0	2	3	4	7.28E-01	1.203		
Cysteine and glycine-rich protein 1	IPI00442073	21 kDa	2	0	4	0	4	3	3.26E-01	0.124		
Mitogen-activated protein kinase 1	IPI00003479	41 kDa	0	0	0	0	1	1	1.20E+00	1.101		
ATP-citrate synthase	IPI00021290	121 kDa	1	0	0	0	0	0	1.12E+00	-0.673		
Isoform Beta of Heat shock protein 105 kDa	IPI00218993	92 kDa	0	0	2	0	3	1	7.94E-01	0.52		
C6orf25 protein	IPI00922486	24 kDa	4	0	1	0	0	0	2.79E+00	-1.511		
Plexin-B3	IPI00155729	207 kDa	0	0	0	0	0	3	5.37E-01	1.093		
Nucleolar pre-ribosomal-associated protein 1	IPI00297241	254 kDa	0	6	1	0	0	0	4.67E+00	-1.656		
RNA-binding protein 12B	IPI00871780	118 kDa	0	1	0	0	0	0	1.12E+00	-0.66		
Isoform 1 of Nuclear-interacting partner of ALK	IPI00301421	55 kDa	0	11	0	1	2	1	6.90E-01	-0.071		
cDNA FLJ56188, highly similar to FYVE, RhoGEF and PH domain-containing protein4	IPI00065435	99 kDa	0	1	2	2	0	0	5.84E-01	-0.373		
B-cell receptor-associated protein BAP29 isoform a	IPI00514611	41 kDa	0	9	1	3	0	0	7.28E-01	-0.818		
Nuclear pore glycoprotein p62	IPI00293533	53 kDa	0	6	1	0	0	0	4.67E+00	-1.656		
Splicing factor U2AF 35 kDa subunit	IPI00005613	28 kDa	0	2	0	1	0	0	6.03E-01	-0.25		
Transient receptor potential cation channel subfamily V member 2	IPI00183666	86 kDa	0	7	7	0	0	0	4.74E+01	-2.16	Yes	
EH domain-containing protein 1	IPI00017184	61 kDa	0	0	0	0	0	1	1.01E+00	0.653		
Isoform 6 of A-kinase anchor protein 9	IPI00220628	455 kDa	0	1	2	0	0	0	1.83E+00	-1.251		
Isoform p71 of 2'-5'-oligoadenylate synthetase 2	IPI00217049	82 kDa	0	2	0	0	0	1	7.99E-01	-0.294		
Sulfide:quinone oxidoreductase, mitochondrial	IPI00009634	50 kDa	0	1	0	0	0	0	1.12E+00	-0.66		
Vasodilator-stimulated phosphoprotein	IPI00301058	40 kDa	0	1	2	2	1	0	6.62E-01	0.021		
Isoform 1 of Probable methylcytosine dioxygenase	IPI00739948	184 kDa	1	1	4	2	1	0	8.46E-01	-0.539		
Isoform 2 of Zinc finger protein 346	IPI00442165	36 kDa	2	0	0	1	2	1	7.14E-01	0.617		
Replication factor C subunit 4	IPI00017381	40 kDa	0	8	2	0	0	0	1.01E+01	-1.867	Yes	
Isoform 3 of Mediator of DNA damage checkpoint	IPI00895860	196 kDa	0	0	0	0	1	0	1.12E+00	0.642		
Putative uncharacterized protein DKFZp686L20222	IPI00026689	35 kDa	2	5	6	0	0	0	1.50E+01	-2.183	Yes	
Nucleoside-triphosphatase C1orf57	IPI00031570	21 kDa	0	0	0	2	1	0	1.90E+00	1.265		
Histone H4-like protein type G	IPI00020618	11 kDa	0	1	0	0	0	0	1.12E+00	-0.66		
Isoform 1 of Metaxin-1	IPI00013678	51 kDa	0	0	0	1	1	0	1.36E+00	1.063		
MCM3 minichromosome maintenance deficient 3 (S. cerevisiae), isoform CRA_b	IPI00013214	96 kDa	0	0	0	0	2	1	2.49E+00	1.129		
Kinetochore-associated protein 1	IPI00001458	251 kDa	0	0	1	1	5	0	2.76E+00	0.994		
Isoform 1 of Fibulin-7	IPI00167710	47 kDa	8	1	0	0	0	0	1.06E+01	-1.749	Yes	
Hsp90 co-chaperone Cdc37	IPI00013122	44 kDa	0	0	0	0	2	0	1.34E+00	0.915		
Dehydrogenase/reductase SDR family member 7B	IPI00550165	35 kDa	0	0	0	5	3	2	4.14E+00	2.11		
Serotransferrin	IPI00022463	77 kDa	0	0	1	0	0	0	1.22E+00	-0.651		
liver glycogen phosphorylase isoform 2	IPI00943894	93 kDa	0	1	1	0	0	0	1.48E+00	-1.007		
Sushi repeat-containing protein SRPX2	IPI00004446	53 kDa	0	8	0	0	0	1	1.51E+00	-0.866		
Isoform 4 of Inhibitor of nuclear factor kappa-B kinase-interacting protein	IPI00043598	43 kDa	0	0	0	25	1	0	6.81E+00	1.851		
Isoform 2 of Inverted formin-2	IPI00876962	135 kDa	1	3	1	0	1	0	9.99E-01	-0.877		
Malectin	IPI00029046	32 kDa	0	2	0	6	2	2	1.21E+00	1.187		
Interleukin-27 subunit beta	IPI00034088	25 kDa	0	0	0	3	2	4	3.17E+00	1.931		
Isoform 1 of DBH-like monooxygenase protein 1	IPI00419596	70 kDa	0	1	0	0	0	0	1.12E+00	-0.66		
Isoform 1 of Tissue-type plasminogen activator	IPI00019590	63 kDa	6	0	2	0	0	0	7.77E+00	-1.735		
Putative uncharacterized protein GPC1	IPI00893155	67 kDa	0	0	0	0	5	0	3.29E+00	1.195		
nascent polypeptide-associated complex alpha subunit isoform a	IPI00797126	95 kDa	0	0	0	1	8	4	7.88E+00	2.106		
Isoform 2 of Protein-L-isoaspartate(D-aspartate) O-methyltransferase	IPI00828189	30 kDa	0	0	0	3	2	0	2.71E+00	1.603		
Ubiquitin carboxyl-terminal hydrolase isozyme L1	IPI00018352	25 kDa	0	0	0	0	3	2	2.04E+00	1.563		
Isoform 1 of Calcium-binding mitochondrial carrier protein SCaMC-1	IPI00337494	53 kDa	0	0	0	3	0	0	1.75E+00	1.025		
Exosome complex exonuclease RRP4	IPI00015905	33 kDa	0	5	1	0	0	1	2.23E+00	-1.018		
Isoform 3 of Uncharacterized protein KIAA0090	IPI00645487	112 kDa	3	5	2	4	0	0	3.73E-01	-1.021		
Isoform 1 of Acyl-CoA-binding domain-containing	IPI00186681	60 kDa	0	5	1	0	1	0	1.47E+00	-1.108		
Isoform 1 of Transformer-2 protein homolog beta	IPI00301503	34 kDa	2	2	0	0	0	0	2.52E+00	-1.369		
Ribonuclease P protein subunit p30	IPI00019196	29 kDa	0	8	0	0	2	0	1.76E+00	-0.688		
Ribonuclease P protein subunit p14	IPI00215966	14 kDa	0	7	2	4	2	2	7.20E-01	0.001		
DNA-directed RNA polymerase II subunit RPB1	IPI00031627	217 kDa	2	3	0	0	0	0	2.56E+00	-1.699		
39S ribosomal protein L17, mitochondrial	IPI00172591	20 kDa	0	1	0	0	0	0	1.12E+00	-0.66		
Coiled-coil domain-containing protein 15	IPI00411743	110 kDa	0	2	0	2	0	0	7.57E-01	0.013		
Isoform 2 of Adenosine 3'-phospho 5'-phosphosulfate transporter 1	IPI00384867	43 kDa	0	0	0	8	2	4	1.46E+01	2.184		Yes
Uncharacterized protein KIAA1462	IPI00292817	148 kDa	0	1	0	0	0	0	1.12E+00	-0.66		
Isoform 3 of Calcium-transporting ATPase type 2C	IPI00413116	101 kDa	0	3	0	6	0	0	6.41E-01	0.284		
Epidermal growth factor-like protein 7	IPI00383960	30 kDa	0	11	0	0	0	0	2.20E+00	-1.188		
OCIA domain containing 1 isoform 4	IPI00954530	28 kDa	0	0	0	7	0	0	3.53E+00	1.244		
annexin IV	IPI00793199	36 kDa	0	0	0	3	3	1	2.45E+00	1.647		
ring finger protein 213 isoform 1	IPI00828098	596 kDa	0	1	2	0	0	0	1.83E+00	-1.251		
Isoform 1 of WD repeat-containing protein 74	IPI00018192	42 kDa	0	2	1	2	0	0	5.10E-01	-0.349		
Scaffold attachment factor B2	IPI00005648	107 kDa	0	5	1	0	2	0	6.67E-01	-0.779		
Trans-2-enoyl-CoA reductase, mitochondrial	IPI00306159	40 kDa	1	2	0	4	3	4	2.03E+00	1.07		
Vesicle-associated membrane protein 2	IPI00553138	13 kDa	0	3	0	6	2	2	4.48E-01	1.116		
Isoform 1 of Uncharacterized protein KIAA0467	IPI00002221	278 kDa	0	1	0	0	0	0	1.12E+00	-0.66		
Protein transport protein Sec23A	IPI00017375	86 kDa	0	1	0	0	0	0	1.12E+00	-0.66		
Isoform B of DnaJ homolog subfamily B member 6	IPI00098523	27 kDa	0	2	0	2	2	2	4.80E-01	0.945		
Polypeptide N-acetylgalactosaminyltransferase 2	IPI00004669	65 kDa	0	1	0	2	2	0	1.20E+00	0.825		

			GEnC spectral count			Podocyte spectral count			QSpec analysis			
Protein name	IPI accession	Molecular weight	Repeat 1	Repeat 2	Repeat 3	Repeat 1	Repeat 2	Repeat 3	Bayes factor	ln(fold change)	Significant: GEnC enriched	Significant: Podocyte enriched
Major prion protein	IPI00022284	28 kDa	0	3	0	1	2	1	4.92E-01	0.297		
Isoform 2 of Trafficking protein particle complex	IPI00783996	139 kDa	0	2	2	0	2	2	8.76E-01	0.006		
Eukaryotic translation initiation factor 2 subunit 1	IPI00219678	36 kDa	1	0	0	0	0	0	1.12E+00	-0.673		
RRP15-like protein	IPI00007004	31 kDa	0	4	2	1	0	0	1.37E+00	-1.148		
Isoform 3 of Exportin-2	IPI00219994	108 kDa	0	3	2	0	0	0	2.32E+00	-1.588		
Transforming protein RhoA	IPI00478231	22 kDa	7	0	5	0	0	0	3.05E+01	-2.239	Yes	
similar to thioredoxin peroxidase	IPI00938009	27 kDa	0	13	6	1	0	1	4.19E+01	-1.698	Yes	
Isoform A1 of Tight junction protein ZO-2	IPI00003843	134 kDa	0	0	0	1	0	1	1.18E+00	1.013		
Isoform 2 of Plakophilin-2	IPI00005264	97 kDa	0	2	8	0	0	0	8.85E+00	-1.91		
Neuronal protein NP25	IPI00005981	25 kDa	0	0	0	0	4	4	1.43E+01	1.769		Yes
Isoform 2 of Sushi repeat-containing protein SRPX	IPI00215899	50 kDa	1	2	0	0	0	0	1.53E+00	-1.304		
Importin-7	IPI00007402	120 kDa	0	1	0	0	0	0	1.12E+00	-0.66		
Isoform 1 of Putative helicase MOV-10	IPI00444452	114 kDa	0	0	0	0	4	4	1.43E+01	1.769		Yes
39S ribosomal protein L18, mitochondrial	IPI00160421	21 kDa	0	0	0	1	0	1	1.18E+00	1.013		
cDNA FLJ51512, highly similar to Periodic tryptophan protein 1 homolog	IPI00789042	46 kDa	4	5	0	1	0	0	7.08E+00	-1.309		
Isoform 2 of Actin-like protein 6A	IPI00216622	43 kDa	0	0	0	1	0	0	1.09E+00	0.678		
28S ribosomal protein S17, mitochondrial precursor	IPI00925656	26 kDa	0	1	0	1	0	0	6.99E-01	0.007		
Desmoglein-2	IPI00028931	122 kDa	0	0	0	0	5	1	3.84E+00	1.773		
Isoform 1 of KH domain-containing, RNA-binding, signal transduction-associated protein 3	IPI00008570	39 kDa	0	0	0	7	0	0	3.53E+00	1.244		
Pumilio domain-containing protein C14orf21	IPI00216999	69 kDa	0	8	0	0	0	0	2.50E+00	-1.205		
Alpha-fetoprotein	IPI00022443	69 kDa	0	1	10	0	0	0	5.88E+00	-1.797		
insulin-like growth factor binding protein 2, 36kDa	IPI00297284	35 kDa	0	0	0	1	1	2	1.72E+00	1.399		
Isoform 1 of Sequestosome-1	IPI00179473	48 kDa	0	3	1	1	2	1	6.26E-01	0.056		
Isoform 1 of Nucleoporin GLE1	IPI00301647	80 kDa	0	0	1	0	3	1	9.21E-01	0.814		
Isoform 2 of Histone deacetylase 2	IPI00289601	66 kDa	4	8	5	3	5	4	7.87E-01	-0.334		
Isoform 2 of Reticulon-3	IPI00398795	111 kDa	0	1	0	3	1	2	8.24E-01	1.176		
Isoform 1 of Cullin-4B	IPI00179057	102 kDa	0	4	0	1	0	0	9.21E-01	-0.617		
Peptidyl-prolyl cis-trans isomerase FKBP1A	IPI00873810	12 kDa	2	2	2	0	1	2	7.72E-01	-0.508		
Histone deacetylase 4	IPI00010088	119 kDa	0	0	0	0	1	0	1.12E+00	0.642		
Isoform 1 of Protein EFR3 homolog A	IPI00470711	93 kDa	0	2	0	0	0	0	1.48E+00	-0.931		
Isoform 1 of RelA-associated inhibitor	IPI00439948	89 kDa	0	0	0	1	0	1	1.18E+00	1.013		
Protein	IPI00947410	89 kDa	0	1	0	1	0	2	8.48E-01	0.647		
Ribonuclease P protein subunit p29	IPI00032791	25 kDa	1	3	2	2	4	2	7.34E-01	0.243		
Transmembrane protein 33	IPI00299084	28 kDa	0	2	0	3	0	0	6.69E-01	0.183		
Major centromere autoantigen B	IPI00010388	65 kDa	0	4	3	0	0	0	5.13E+00	-1.793		
Isoform 1 of Melanotransferrin	IPI00029275	80 kDa	0	0	0	1	3	1	1.92E+00	1.527		
Isoform 2 of Protein CASC5	IPI00170766	263 kDa	0	1	0	0	0	0	1.12E+00	-0.66		
26S proteasome non-ATPase regulatory subunit 2	IPI00012268	100 kDa	0	2	0	0	0	0	1.48E+00	-0.931		
cDNA FLJ55486, highly similar to Semaphorin-3C	IPI00019209	87 kDa	1	0	2	0	2	2	4.84E-01	0.226		
Suppression of tumorigenicity 18 protein	IPI00005704	115 kDa	1	2	0	1	0	2	6.83E-01	0.034		
Myeloid leukemia factor 2	IPI00023095	28 kDa	0	6	2	2	1	1	1.43E+00	-0.496		
Isoform Gamma of Tumor necrosis factor ligand superfamily member 13	IPI00218937	27 kDa	0	0	0	2	3	2	2.60E+00	1.879		
Isoform 2 of Protein strawberry notch homolog 2	IPI00878948	152 kDa	0	0	1	1	1	4	1.41E+00	1.117		
HLA class I histocompatibility antigen, Cw-6 alpha	IPI00744964	41 kDa	0	12	4	0	0	0	5.25E+01	-2.311	Yes	
Isoform Long of Delta-1-pyrroline-5-carboxylate	IPI00008982	87 kDa	0	4	0	0	0	0	2.48E+00	-1.164		
cDNA FLJ56307, highly similar to Ubiquitin thioesterase protein OTUB1	IPI00000581	35 kDa	0	0	0	1	0	0	1.09E+00	0.678		
9 kDa protein	IPI00794229	9 kDa	0	1	0	5	1	0	1.83E+00	1.013		
Isoform 1 of Nck-associated protein 5	IPI00419253	209 kDa	0	0	0	0	0	2	1.76E+00	0.862		
ANKHD1-EIF4EBP3 protein	IPI00217442	277 kDa	0	0	0	0	0	4	3.31E+00	1.133		
Protein FAM98A	IPI00174442	55 kDa	0	0	0	0	1	0	1.12E+00	0.642		
Isoform 1 of Mitochondrial import receptor subunit TOM40 homolog	IPI00014053	38 kDa	1	0	0	11	0	0	1.88E+00	0.882		
Transcription regulator protein BACH1	IPI00024235	82 kDa	0	0	0	2	0	0	1.55E+00	0.923		
NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 7	IPI00219772	16 kDa	0	1	0	7	1	0	2.70E+00	1.167		
Isoform 1 of Splicing factor, arginine/serine-rich 17A	IPI00024024	81 kDa	0	6	0	0	0	0	4.10E+00	-1.266		
Isoform 1 of Extracellular sulfatase Sulf-2	IPI00297252	100 kDa	9	0	0	0	0	0	4.86E+00	-1.244		
Isoform 4 of Sigma 1-type opioid receptor	IPI00376226	12 kDa	0	2	0	0	0	0	1.48E+00	-0.931		
Isoform 1 of Nucleolar protein 10	IPI00029513	80 kDa	0	8	0	0	0	0	2.50E+00	-1.205		
Isoform 1 of Casein kinase I isoform alpha	IPI00183400	39 kDa	1	1	2	1	0	2	6.62E-01	-0.202		
Ribose-phosphate pyrophosphokinase (Fragment)	IPI00955441	35 kDa	0	0	0	0	4	0	1.76E+00	1.214		
14-3-3 protein eta	IPI00216319	28 kDa	0	0	0	4	4	0	7.11E+00	1.793		
Cleavage and polyadenylation specificity factor	IPI00007818	77 kDa	0	6	0	0	0	1	2.84E+00	-0.768		
Isoform 1 of Uncharacterized protein CXorf23	IPI00746281	84 kDa	0	1	1	1	0	3	5.07E-01	0.394		
N-acetylglucosamine kinase	IPI00296526	42 kDa	0	0	0	2	0	0	1.55E+00	0.923		
EH domain-containing protein 2	IPI00100980	61 kDa	0	4	0	0	0	0	2.48E+00	-1.164		
ACTA2 protein (Fragment)	IPI00954527	37 kDa	683	876	0	827	748	698	1.00E-03	1.283		
Isoform 1 of 26S proteasome non-ATPase	IPI00299608	106 kDa	0	2	0	0	0	0	1.48E+00	-0.931		
Isoform 1 of Cell surface glycoprotein MUC18	IPI00016334	72 kDa	0	4	1	0	1	0	2.27E+00	-0.94		
DNA-directed RNA polymerase I subunit RPA1	IPI00031960	195 kDa	0	3	0	0	1	0	5.36E-01	-0.483		
similar to hCG1790904	IPI00936175	37 kDa	8	21	12	6	2	0	3.22E+01	-1.526	Yes	
Fascin	IPI00163187	55 kDa	0	0	0	4	0	2	5.40E+00	1.672		
Keratin, type II cuticular Hb6	IPI00182655	53 kDa	42	50	57	0	0	0	3.77E+10	-3.497	Yes	
Isoform A of Uncharacterized protein C21orf70	IPI00027898	25 kDa	0	5	1	0	0	0	4.18E+00	-1.634		
Fibroblast growth factor 11 variant (Fragment)	IPI00555871	36 kDa	0	0	0	4	0	1	3.18E+00	1.491		
26 kDa protein	IPI00658155	26 kDa	0	2	0	0	0	0	1.48E+00	-0.931		
Noggin	IPI00012361	26 kDa	0	0	0	0	4	4	1.43E+01	1.769		Yes
NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 3	IPI00028881	9 kDa	0	0	0	4	0	0	2.38E+00	1.178		
Isoform 1 of Glycerol-3-phosphate dehydrogenase, mitochondrial	IPI00017895	81 kDa	0	3	0	0	0	0	1.76E+00	-1.079		
Isoform 1 of Tuftelin-interacting protein 11	IPI00015924	97 kDa	0	0	0	0	0	1	1.01E+00	0.653		
S-formylglutathione hydrolase	IPI00411706	31 kDa	0	0	0	2	0	1	2.24E+00	1.208		
Protein lin-7 homolog C	IPI00019997	22 kDa	0	1	0	2	2	2	1.24E+00	1.237		
Proteasome subunit alpha type-5	IPI00291922	26 kDa	0	1	0	0	0	0	1.12E+00	-0.66		
Isoform CDV-1R of Intraflagellar transport protein	IPI00165189	80 kDa	1	0	0	0	2	1	8.83E-01	0.636		
Isoform 2 of Transmembrane and TPR repeat-containing protein 3	IPI00470924	104 kDa	0	0	0	2	1	0	1.90E+00	1.265		
Isoform 1 of Centromere protein I	IPI00552142	87 kDa	1	3	2	0	0	1	1.07E+00	-1.069		
Isoform 1 of Mitochondrial Rho GTPase 2	IPI00465059	68 kDa	0	0	0	0	2	3	3.22E+00	1.523		
Aspartyl/asparaginyl beta-hydroxylase	IPI00294834	86 kDa	0	3	0	1	0	0	1.24E+00	-0.47		
Isoform 1 of Transmembrane protein 111	IPI00020472	30 kDa	0	6	0	6	1	1	3.05E-01	0.544		
Isoform 1 of DNA replication licensing factor MCM7	IPI00299904	81 kDa	0	1	0	0	0	0	1.12E+00	-0.66		
Isoform 1 of Far upstream element-binding protein	IPI00375441	68 kDa	0	4	1	0	0	0	2.84E+00	-1.471		
ER lumen protein retaining receptor 1	IPI00028116	25 kDa	2	0	1	2	3	2	9.26E-01	0.714		
Isoform 1 of GON-4-like protein	IPI00375803	249 kDa	0	0	2	1	0	0	7.57E-01	-0.263		
Kri1 family protein	IPI00186139	87 kDa	0	1	0	0	2	1	7.45E-01	0.577		
Isoform 6 of Regulating synaptic membrane exocytosis protein 2	IPI00249249	160 kDa	1	0	2	0	0	0	1.79E+00	-1.2		
Isoform 1 of Probable protein BRICK1	IPI00000296	9 kDa	0	1	0	0	0	0	1.12E+00	-0.66		
PRKC apoptosis WT1 regulator protein	IPI00001871	37 kDa	0	5	2	0	0	0	7.75E+00	-1.718		
WW domain-binding protein 11	IPI00170786	70 kDa	0	0	0	0	1	0	1.12E+00	0.642		
Interferon-induced GTP-binding protein Mx1	IPI00167949	76 kDa	0	3	2	0	0	0	2.32E+00	-1.588		
Transmembrane emp24 domain-containing protein	IPI00009976	25 kDa	0	5	0	4	1	0	1.16E+00	0.142		
Activator of basal transcription 1	IPI00002938	31 kDa	0	2	0	2	0	0	7.57E-01	0.013		
Zinc finger CCCH domain-containing protein 11A	IPI00328306	89 kDa	0	4	5	0	0	0	1.20E+01	-2.05	Yes	
Keratin, type II cytoskeletal 6B	IPI00293665	60 kDa	350	0	0	0	0	350	1.72E+00	0.073		
Isoform 3 of Protein strawberry notch homolog 1	IPI00879441	154 kDa	0	1	0	0	2	2	1.36E+00	0.736		

Protein name	IPI accession	Molecular weight	GEnC spectral count			Podocyte spectral count			QSpec analysis			
			Repeat 1	Repeat 2	Repeat 3	Repeat 1	Repeat 2	Repeat 3	Bayes factor	ln(fold change)	Significant: GEnC enriched	Significant: Podocyte enriched
Isoform 2 of EGF-containing fibulin-like extracellular matrix protein 1	IPI00220813	54 kDa	0	4	0	0	0	0	2.48E+00	-1.164		
Similar to Nestin	IPI00844287	66 kDa	0	262	208	0	0	0	3.24E+02	-2.615	Yes	
WD repeat-containing protein 75	IPI00217240	95 kDa	0	4	0	1	0	1	6.65E-01	-0.241		
Protein CWC15 homolog	IPI00009009	27 kDa	0	7	0	0	0	0	3.04E+00	-1.297		
Aldehyde oxidase	IPI00029715	148 kDa	0	0	0	2	0	0	1.55E+00	0.923		
Surfeit locus protein 6	IPI00026606	41 kDa	0	7	0	2	0	0	8.32E-01	-0.584		
Isoform 1 of 5-azacytidine-induced protein 1	IPI00298883	122 kDa	0	8	0	0	0	0	2.50E+00	-1.205		
Programmed cell death 6 variant (Fragment)	IPI00930510	22 kDa	0	0	0	1	0	0	1.09E+00	0.678		
Isoform 1 of Double-stranded RNA-binding protein Staufen homolog 2	IPI00300789	63 kDa	1	0	1	1	0	0	1.09E+00	-0.382		
cDNA FLJ60607, highly similar to Acyl-protein	IPI00007321	28 kDa	0	0	0	0	1	0	1.12E+00	0.642		
Apolipoprotein M	IPI00514397	14 kDa	2	0	2	1	1	1	7.37E-01	-0.115		
Nucleolar GTP-binding protein 2	IPI00015808	84 kDa	0	2	0	0	0	1	7.99E-01	-0.294		
26S proteasome non-ATPase regulatory subunit 14	IPI00024821	35 kDa	0	1	0	0	0	0	1.12E+00	-0.66		
Deoxyribonuclease-1-like 1	IPI00026125	34 kDa	4	2	0	0	0	0	3.86E+00	-1.67		
RNA binding motif protein, X-linked-like 1	IPI00061178	42 kDa	0	64	42	0	41	23	2.40E-01	-0.249		
Isoform Non-brain of Clathrin light chain B	IPI00216472	23 kDa	0	0	0	0	3	0	1.73E+00	1.053		
Serine/threonine-protein kinase Nek8	IPI00328397	75 kDa	1	2	2	0	0	2	5.65E-01	-0.771		
Peroxisomal membrane protein 11B	IPI00021978	28 kDa	2	2	0	0	0	0	2.52E+00	-1.369		
Isoform A of Peptidyl-prolyl cis-trans isomerase E	IPI00009316	33 kDa	0	4	0	0	0	0	2.48E+00	-1.164		
Protein LLP homolog	IPI00031615	15 kDa	0	0	0	1	3	1	1.92E+00	1.527		
Uncharacterized protein C7orf50	IPI00031651	22 kDa	0	2	0	0	3	1	6.25E-01	0.514		
Golgi-specific brefeldin A-resistance guanine nucleotide exchange factor 1	IPI00021954	206 kDa	0	0	0	1	0	0	1.09E+00	0.678		
Isoform 3 of Actin-binding LIM protein 3	IPI00478204	67 kDa	0	0	0	0	2	0	1.34E+00	0.915		
Isoform 1 of RNA-binding protein 39	IPI00163505	59 kDa	0	2	0	0	0	0	1.48E+00	-0.931		
Armadillo repeat containing 2	IPI00879797	9 kDa	0	0	1	0	2	0	5.82E-01	0.311		
CDGSH iron sulfur domain-containing protein 1	IPI00020510	12 kDa	0	1	0	0	0	0	1.12E+00	-0.66		
Isoform 1 of Probable serine protease HTRA3	IPI00027862	49 kDa	4	0	2	0	0	0	4.96E+00	-1.572		
Quinone oxidoreductase	IPI00000792	35 kDa	0	0	0	0	0	1	1.01E+00	0.653		
Isoform 1 of GDNF family receptor alpha-1	IPI00008148	51 kDa	0	0	0	0	2	0	1.34E+00	0.915		
Probable ATP-dependent RNA helicase DDX23	IPI00006725	96 kDa	0	4	1	0	0	0	2.84E+00	-1.471		
U1 small nuclear ribonucleoprotein A	IPI00012382	31 kDa	0	0	3	0	6	0	4.91E-01	0.271		
Histone H1.1	IPI00217469	22 kDa	0	36	22	0	0	0	3.19E+03	-2.832	Yes	
Keratin, type II cytoskeletal 3	IPI00290857	65 kDa	138	0	151	0	0	0	2.75E+02	-2.709	Yes	
Pre-mRNA-splicing factor CWC22 homolog	IPI00177381	106 kDa	0	5	0	0	0	0	2.44E+00	-1.236		
Protein ERGIC-53	IPI00026530	58 kDa	0	1	0	1	0	0	6.99E-01	0.007		
Importin-9	IPI00185146	116 kDa	0	1	0	0	0	0	1.12E+00	-0.66		
Sorcin	IPI00027175	22 kDa	0	0	0	2	3	1	2.18E+00	1.664		
Acyl-protein thioesterase 2	IPI00027032	25 kDa	1	0	0	0	1	0	1.13E+00	-0.02		
proteasome 26S non-ATPase subunit 8	IPI00010201	40 kDa	0	2	0	0	0	0	1.48E+00	-0.931		
Rho-related GTP-binding protein RhoG	IPI00017342	21 kDa	2	0	3	2	0	1	9.25E-01	-0.419		
Coiled-coil-helix-coiled-coil-helix domain-containing protein 1	IPI00060107	13 kDa	3	0	0	0	0	0	1.92E+00	-1.046		
proteasome 26S non-ATPase subunit 12 isoform 2	IPI00335069	51 kDa	2	3	2	0	0	0	2.78E+00	-1.846		
Isoform 1 of Pre-mRNA 3'-end-processing factor	IPI00395337	67 kDa	0	1	0	0	0	0	1.12E+00	-0.66		
18 kDa protein	IPI00797733	18 kDa	0	4	1	0	0	0	2.84E+00	-1.471		
12 kDa protein	IPI00640704	12 kDa	0	6	1	3	0	0	1.85E+00	-0.657		
Mitogen-activated protein kinase scaffold protein 1	IPI00030919	14 kDa	0	2	0	0	1	0	8.99E-01	-0.294		
Coiled-coil domain-containing protein 56	IPI00022277	12 kDa	0	0	0	4	2	0	4.69E+00	1.594		
Isoform 1 of Sex comb on midleg-like protein 2	IPI00328688	77 kDa	1	0	0	0	0	0	1.12E+00	-0.673		
Isoform 1 of Fatty aldehyde dehydrogenase	IPI00333619	55 kDa	0	0	1	0	0	0	1.22E+00	-0.651		
Isoform 1 of U4/U6 small nuclear ribonucleoprotein	IPI00150269	58 kDa	0	1	0	0	0	0	1.12E+00	-0.66		
Transmembrane and ubiquitin-like domain-containing protein 1	IPI00027773	26 kDa	0	5	0	4	0	0	7.64E-01	-0.055		
ROD1 regulator of differentiation 1 isoform 2	IPI00159072	57 kDa	0	0	0	12	0	0	3.16E+00	1.186		
Isoform 2 of ER lumen protein retaining receptor 3	IPI00376991	26 kDa	0	0	0	5	3	2	4.14E+00	2.11		
10 kDa protein	IPI00939799	10 kDa	0	6	0	4	0	0	4.08E-01	-0.08		
NADH dehydrogenase [ubiquinone] iron-sulfur	IPI00220063	13 kDa	0	0	0	1	0	0	1.09E+00	0.678		
Isoform 2 of Procollagen-lysine,2-oxoglutarate 5-dioxygenase 2	IPI00337495	87 kDa	0	0	1	0	0	0	1.22E+00	-0.651		
Nuclear receptor coactivator 5	IPI00288941	66 kDa	0	1	0	0	0	0	1.12E+00	-0.66		
Isoform 4 of SPS1/STE20-related protein kinase	IPI00604447	53 kDa	4	0	0	0	1	0	1.18E+00	-0.599		
Ataxin-10	IPI00001636	53 kDa	0	0	0	0	1	0	1.12E+00	0.642		
Ras-related protein Rab-18	IPI00014577	23 kDa	0	1	0	0	0	0	1.12E+00	-0.66		
1-acyl-sn-glycerol-3-phosphate acyltransferase	IPI00028491	42 kDa	1	3	1	2	0	0	6.13E-01	-0.699		
Isoform 1 of Catenin beta-1	IPI00017292	85 kDa	1	0	0	0	0	0	1.12E+00	-0.673		
Bystin	IPI00328987	50 kDa	0	2	0	3	0	0	6.69E-01	0.183		
cDNA FLJ56561	IPI00749454	87 kDa	0	1	0	0	0	1	5.97E-01	-0.008		
Regulator of G-protein signaling 19	IPI00028108	25 kDa	0	1	0	0	2	0	5.92E-01	0.321		
Eukaryotic translation initiation factor 3 subunit I	IPI00012795	37 kDa	0	0	0	3	0	1	2.42E+00	1.394		
Isoform 1 of Methionine adenosyltransferase 2	IPI00002324	38 kDa	1	0	0	0	0	0	1.12E+00	-0.673		
Isoform Long of Long-chain-fatty-acid--CoA ligase 4	IPI00029737	79 kDa	0	0	0	1	0	0	1.09E+00	0.678		
Isoform 1 of Dynamin-like 120 kDa protein,	IPI00006721	112 kDa	0	0	0	0	0	1	1.01E+00	0.653		
Ribosomal RNA-processing protein 8	IPI00304932	51 kDa	0	2	0	0	0	0	1.48E+00	-0.931		
cDNA FLJ51265, moderately similar to Beta-2-	IPI00910625	30 kDa	2	0	2	0	0	0	2.63E+00	-1.407		
Isoform 1 of Beta-galactosidase	IPI00441344	76 kDa	0	0	0	0	1	3	1.81E+00	1.532		
cDNA FLJ31769 fis, clone NT2RI2007956, highly similar to Chondroitin sulfate glucuronyltransferase	IPI00945406	85 kDa	0	2	1	1	0	0	1.01E+00	-0.679		
Transmembrane protein 93	IPI00010427	12 kDa	0	5	0	3	0	0	6.82E-01	-0.238		
Rac GTPase-activating protein 1	IPI00152946	71 kDa	0	4	4	0	0	0	6.33E+00	-1.999		
Isoform 1 of Polyadenylate-binding protein 2	IPI00005792	33 kDa	0	0	0	0	0	1	1.01E+00	0.653		
poly (ADP-ribose) polymerase family, member 14	IPI00291215	203 kDa	0	3	0	0	0	0	1.76E+00	-1.079		
Zinc finger protein 593	IPI00844193	15 kDa	4	0	1	0	0	0	2.79E+00	-1.511		
NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 8, mitochondrial	IPI00028883	22 kDa	0	0	0	4	0	0	2.38E+00	1.178		
Transcription initiation factor IIA subunit 2	IPI00004353	12 kDa	0	6	0	0	0	0	4.10E+00	-1.266		
24-dehydrocholesterol reductase	IPI00016703	60 kDa	0	0	0	6	0	0	3.53E+00	1.232		
Isoform 1 of Neurofilament heavy polypeptide	IPI00910602	112 kDa	107	76	82	0	0	0	2.36E+13	-4.71	Yes	
Seryl-tRNA synthetase	IPI00514587	61 kDa	0	0	0	0	1	0	1.12E+00	0.642		
Isoform 1 of Cytoplasmic FMR1-interacting protein 1	IPI00644231	145 kDa	0	0	0	1	1	2	1.72E+00	1.399		
Isoform 2 of Signal recognition particle 68 kDa	IPI00102936	67 kDa	0	0	0	0	0	1	1.01E+00	0.653		
Cytochrome c oxidase subunit 7A-related protein, mitochondrial	IPI00022421	13 kDa	0	2	0	4	0	0	8.28E-01	0.346		
Protein ETHE1, mitochondrial	IPI00003766	28 kDa	0	0	0	1	0	0	1.09E+00	0.678		
Serine/threonine-protein phosphatase 2A catalytic subunit beta isoform	IPI00429689	36 kDa	0	4	0	0	0	0	2.48E+00	-1.164		
Isoform 1 of Prolyl 3-hydroxylase 1	IPI00163381	83 kDa	0	2	0	0	0	0	1.48E+00	-0.931		
U6 snRNA-associated Sm-like protein LSm2	IPI00032460	11 kDa	0	4	0	1	0	2	9.45E-01	-0.033		
Small ubiquitin-related modifier 1	IPI00303105	12 kDa	0	5	0	0	0	0	2.44E+00	-1.236		
Isoform 1 of MMS19 nucleotide excision repair protein homolog	IPI00941928	113 kDa	0	0	0	2	0	0	1.55E+00	0.923		
cDNA FLJ52061, highly similar to Translocon-associated protein subunit gamma	IPI00946150	23 kDa	0	2	0	4	0	0	8.28E-01	0.346		
Keratin-8-like protein 1	IPI00017870	55 kDa	0	0	0	362	339	284	1.43E+22	4.104		Yes
Guanine nucleotide-binding protein subunit beta-4	IPI00012451	38 kDa	0	10	0	0	0	0	4.42E+00	-1.265		
Mitochondrial import inner membrane translocase subunit Tim9	IPI00001541	10 kDa	0	4	0	4	0	0	8.17E-01	0.054		
Borealin	IPI00303099	31 kDa	0	1	5	0	0	0	3.00E+00	-1.648		
acid phosphatase 1, soluble isoform d	IPI00759646	12 kDa	0	0	0	1	0	1	1.18E+00	1.013		

			GEnC spectral count			Podocyte spectral count			QSpec analysis			
Protein name	IPI accession	Molecular weight	Repeat 1	Repeat 2	Repeat 3	Repeat 1	Repeat 2	Repeat 3	Bayes factor	ln(fold change)	Significant: GEnC enriched	Significant: Podocyte enriched
cDNA FLJ57430, highly similar to DNA-directed RNA polymerase II 33 kDa polypeptide	IPI00922383	47 kDa	0	4	2	0	0	0	4.66E+00	-1.678		
Isoform 1 of Putative oxidoreductase GLYR1	IPI00000155	61 kDa	0	2	0	0	0	0	1.48E+00	-0.931		
Alpha-actinin-2	IPI00019884	104 kDa	0	0	0	0	33	30	4.91E+03	2.992		Yes
NTF2-related export protein 1	IPI00007605	16 kDa	0	2	5	0	0	0	6.88E+00	-1.802		
Transmembrane protein 165	IPI00307572	35 kDa	0	0	0	5	0	0	2.89E+00	1.218		
Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3A	IPI00297492	81 kDa	0	0	0	4	0	0	2.38E+00	1.178		
Isoform 1 of Transmembrane protein 41B	IPI00555703	33 kDa	0	0	0	5	0	0	2.89E+00	1.218		
Transmembrane protein 126A	IPI00031064	22 kDa	0	0	0	5	0	0	2.89E+00	1.218		
Eukaryotic translation initiation factor 3 subunit D	IPI00006181	64 kDa	0	0	0	0	1	1	1.20E+00	1.101		
Proteasome (Prosome, macropain) 26S subunit, ATPase, 5, isoform CRA_b	IPI00745502	45 kDa	0	0	0	1	0	1	1.18E+00	1.013		
Isoform 1 of Exosome component 10	IPI00009464	101 kDa	0	0	2	0	1	1	6.72E-01	0.114		
Deoxynucleotidyltransferase terminal-interacting	IPI00057097	37 kDa	0	1	2	0	0	1	9.32E-01	-0.7		
Isoform 1 of Sp110 nuclear body protein	IPI00162549	78 kDa	0	1	2	0	0	0	1.83E+00	-1.251		
Ras-related protein Rab-2A	IPI00031169	24 kDa	0	2	0	3	0	0	6.69E-01	0.183		
Probable dimethyladenosine transferase	IPI00004459	35 kDa	0	0	4	0	0	0	2.00E+00	-1.205		
cDNA FLJ56825, highly similar to WD repeat protein	IPI00006723	45 kDa	1	2	0	0	0	0	1.53E+00	-1.304		
Isoform 1 of 28S ribosomal protein S11,	IPI00010244	21 kDa	2	0	0	3	0	0	5.75E-01	0.259		
Serine/threonine-protein kinase Nek5	IPI00243995	81 kDa	0	1	3	0	0	0	2.29E+00	-1.502		
NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 9	IPI00255052	22 kDa	0	0	0	3	0	0	1.75E+00	1.025		
Isoform 1 of Uncharacterized protein C15orf52	IPI00412676	57 kDa	0	0	0	1	0	4	3.50E+00	1.446		
proteasome activator subunit 1 isoform 2	IPI00748256	29 kDa	0	1	0	0	2	0	5.92E-01	0.321		
Isoform 1 of Nicotinate phosphoribosyltransferase	IPI00465085	58 kDa	2	0	0	0	0	0	1.52E+00	-0.863		
tRNA methyltransferase 112 homolog	IPI00009010	14 kDa	2	1	1	0	0	0	1.89E+00	-1.43		
Vesicle-associated membrane protein 8	IPI00030911	11 kDa	0	0	0	4	2	1	2.04E+00	1.923		
Complement component C1q receptor	IPI00299485	69 kDa	0	5	0	0	0	0	2.44E+00	-1.236		
UPF0670 protein C8orf55	IPI00171421	24 kDa	0	0	0	2	0	0	1.55E+00	0.923		
Protein	IPI00947328	24 kDa	1	0	0	3	0	0	1.74E+00	0.546		
Sulfhydryl oxidase 2	IPI00376394	78 kDa	1	3	0	0	0	0	2.18E+00	-1.402		
Histone H1.2	IPI00217465	21 kDa	0	108	0	0	0	0	3.29E+00	-1.094		
N-acetyltransferase 14	IPI00103059	22 kDa	0	0	0	2	0	0	1.55E+00	0.923		
Uncharacterized protein C2orf16	IPI00470912	224 kDa	0	0	0	0	2	0	1.34E+00	0.915		
RhoA activator C11orf59	IPI00016670	18 kDa	0	0	0	0	1	0	1.12E+00	0.642		
Cathepsin Z	IPI00002745	34 kDa	0	1	0	0	2	1	7.45E-01	0.577		
Isoform 5 of Zinc finger protein 195	IPI00470385	70 kDa	0	1	0	0	2	2	1.36E+00	0.736		
Isoform 4 of Dedicator of cytokinesis protein 7	IPI00816106	238 kDa	0	0	0	1	0	0	1.09E+00	0.678		
Vesicular integral-membrane protein VIP36	IPI00009950	40 kDa	1	0	0	1	1	0	8.89E-01	0.449		
tryptophanyl-tRNA synthetase isoform b	IPI00412737	49 kDa	0	0	1	0	0	0	1.22E+00	-0.651		
Ras-related protein Rab-21	IPI00007755	24 kDa	0	3	0	1	0	0	1.24E+00	-0.47		
Isoform 1 of UPF0461 protein C5orf24	IPI00396126	20 kDa	1	0	0	0	0	0	1.12E+00	-0.673		
Isoform 1 of Lipopolysaccharide-responsive and beige-like anchor protein	IPI00002255	319 kDa	0	2	0	0	0	0	1.48E+00	-0.931		
Alkyldihydroxyacetonephosphate synthase,	IPI00010349	73 kDa	0	0	0	1	0	0	1.09E+00	0.678		
G protein-regulated inducer of neurite outgrowth 3	IPI00216989	82 kDa	3	0	0	0	0	0	1.92E+00	-1.046		
Lysosome-associated membrane glycoprotein 1	IPI00884105	45 kDa	0	0	0	2	3	0	3.97E+00	1.355		
Putative uncharacterized protein SENP3	IPI00939968	65 kDa	0	4	0	0	0	0	2.48E+00	-1.164		
Protein FAM162A	IPI00023001	17 kDa	0	0	0	6	0	0	3.53E+00	1.232		
NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 6	IPI00219385	15 kDa	0	2	0	5	0	0	1.26E+00	0.471		
Isoform 1 of Coronin-2B	IPI00298912	55 kDa	0	0	0	3	0	0	1.75E+00	1.025		
similar to rCG47812	IPI00930652	86 kDa	0	2	0	0	0	0	1.48E+00	-0.931		
Isoform Long of Ras-related protein Rab-27A	IPI00016381	25 kDa	0	5	0	0	0	0	2.44E+00	-1.236		
Tumor necrosis factor receptor superfamily	IPI00298362	46 kDa	0	0	0	0	3	0	1.73E+00	1.053		
Putative uncharacterized protein SLC30A3	IPI00893330	33 kDa	0	0	0	3	0	1	2.42E+00	1.394		
Isoform 3 of PCI domain-containing protein 2	IPI00072541	43 kDa	0	1	0	0	0	0	1.12E+00	-0.66		
Bone morphogenetic protein 15	IPI00001485	45 kDa	2	0	0	0	0	0	1.52E+00	-0.863		
hypothetical protein LOC124944 isoform 1	IPI00373869	20 kDa	0	1	0	0	0	0	1.12E+00	-0.66		
7-dehydrocholesterol reductase	IPI00294501	54 kDa	0	0	0	3	0	0	1.75E+00	1.025		
Ubiquitin domain-containing protein 1	IPI00017227	26 kDa	0	0	0	1	0	0	1.09E+00	0.678		
Ret finger protein isoform beta variant (Fragment)	IPI00954204	43 kDa	0	3	0	0	0	0	1.76E+00	-1.079		
Isoform 1 of Ubiquitin carboxyl-terminal hydrolase	IPI00843790	123 kDa	0	2	0	0	0	0	1.48E+00	-0.931		
Isoform 1 of Mitochondrial antiviral-signaling	IPI00020719	57 kDa	0	0	0	4	0	0	2.38E+00	1.178		
Isoform 1 of Serpin B3	IPI00022204	45 kDa	0	0	0	6	0	0	3.53E+00	1.232		
Inactive hydroxysteroid dehydrogenase-like protein	IPI00171459	37 kDa	0	0	0	3	0	0	1.75E+00	1.025		
CASP8-associated protein 2	IPI00100798	223 kDa	2	0	0	0	0	0	1.52E+00	-0.863		
Isoform 1 of Putative ATP-dependent RNA helicase	IPI00411733	134 kDa	0	1	4	0	0	0	2.18E+00	-1.553		
Coilin	IPI00006442	63 kDa	0	2	0	1	0	0	6.03E-01	-0.25		
Isoform 1 of Death domain-associated protein 6	IPI00170867	81 kDa	0	0	0	0	0	1	1.01E+00	0.653		
BTB/POZ domain-containing protein KCTD12	IPI00060715	36 kDa	0	2	0	0	0	0	1.48E+00	-0.931		
Dedicator of cytokinesis protein 6	IPI00940115	230 kDa	0	3	0	0	0	0	1.76E+00	-1.079		
Protein C16orf88	IPI00554560	52 kDa	0	2	0	0	0	0	1.48E+00	-0.931		
Selenoprotein H	IPI00218054	13 kDa	4	0	0	0	0	0	1.86E+00	-1.128		
Prefoldin subunit 1	IPI00000051	14 kDa	0	3	0	0	0	0	1.76E+00	-1.079		
TIM21-like protein, mitochondrial	IPI00306439	28 kDa	0	2	0	0	0	0	1.48E+00	-0.931		
Centromere protein H	IPI00009668	28 kDa	0	2	0	0	0	0	1.48E+00	-0.931		
Solute carrier family 30 (Zinc transporter), member	IPI00646270	10 kDa	0	0	0	2	0	0	1.55E+00	0.923		
V-type proton ATPase 116 kDa subunit a isoform 2	IPI00000425	98 kDa	0	2	0	0	0	0	1.48E+00	-0.931		
3'-5' exoribonuclease CSL4 homolog	IPI00032823	21 kDa	0	1	0	0	0	0	1.12E+00	-0.66		
Putative uncharacterized protein RGPD1	IPI00926449	12 kDa	0	0	0	2	1	0	1.90E+00	1.265		
Keratin, type I cuticular Ha1	IPI00032513	47 kDa	27	0	0	0	0	0	1.45E+00	-1.116		
Cell division cycle 40 homolog	IPI00646175	61 kDa	0	2	0	0	0	1	7.99E-01	-0.294		
Interferon-induced, double-stranded RNA-activated protein kinase	IPI00019463	62 kDa	0	2	0	0	0	0	1.48E+00	-0.931		
Transmembrane emp24 domain-containing protein	IPI00604599	25 kDa	0	3	0	0	0	0	1.76E+00	-1.079		
Isoform 1 of CDKN2AIP N-terminal-like protein	IPI00063181	13 kDa	0	2	0	0	0	0	1.48E+00	-0.931		
Uncharacterized protein C10orf58	IPI00296190	26 kDa	0	2	0	0	0	0	1.48E+00	-0.931		
Isoform Gamma of Poliovirus receptor	IPI00219426	39 kDa	0	2	0	0	0	0	1.48E+00	-0.931		

Supplemental Table S4. Gene Ontology enrichment analyses. Enrichment analyses for GEnC and podocyte ECM proteomics data were implemented in DAVID Bioinformatics Resources using Gene Ontology Cellular Component and Biological Process domains and InterPro. Benjamini-Hochberg-corrected *p*-values were calculated using the modified Fisher's exact test implemented in DAVID. Terms with corrected *p*-values ≤0.05, fold enrichment values ≥1.5, and at least two proteins per term were considered significant.

Gene Ontology Cellular Component:

ECM	Term ID	Term name	Number of proteins per term	Fold enrichment	Corrected *p*-value
GEnC	GO:0005576	Extracellular region	25	5.89	5.28E-16
GEnC	GO:0031012	Extracellular matrix	15	20.58	1.35E-14
GEnC	GO:0044421	Extracellular region part	19	9.37	7.07E-14
GEnC	GO:0005578	Proteinaceous extracellular matrix	14	20.71	1.13E-13
GEnC	GO:0005604	Basement membrane	6	36.42	4.33E-06
GEnC	GO:0044420	Extracellular matrix part	6	24.28	2.72E-05
GEnC	GO:0005615	Extracellular space	9	6.22	3.02E-04
Podocyte	GO:0005576	Extracellular region	41	6.06	3.04E-28
Podocyte	GO:0044421	Extracellular region part	33	10.22	2.10E-26
Podocyte	GO:0005578	Proteinaceous extracellular matrix	21	19.51	4.94E-20
Podocyte	GO:0031012	Extracellular matrix	21	18.09	1.67E-19
Podocyte	GO:0005615	Extracellular space	16	6.94	3.55E-08
Podocyte	GO:0044420	Extracellular matrix part	8	20.33	1.46E-06
Podocyte	GO:0005604	Basement membrane	7	26.68	2.51E-06

Gene Ontology Biological Process:

ECM	Term ID	Term name	Number of proteins per term	Fold enrichment	Corrected *p*-value
GEnC	GO:0009611	Response to wounding	8	8.88	6.79E-03
GEnC	GO:0001944	Vasculature development	6	14.06	6.99E-03
GEnC	GO:0001568	Blood vessel development	6	14.40	9.34E-03
GEnC	GO:0001501	Skeletal system development	6	11.06	1.63E-02
Podocyte	GO:0022610	Biological adhesion	10	4.71	2.79E-02
Podocyte	GO:0007155	Cell adhesion	10	4.71	4.11E-02
Podocyte	GO:0043062	Extracellular structure organization	6	12.15	5.61E-02

InterPro:

ECM	Term ID	Term name	Number of proteins per term	Fold enrichment	Corrected *p*-value
GEnC	IPR013320	Concanavalin A-like lectin/glucanase, subgroup	4	30.91	2.18E-02
GEnC	IPR000867	Insulin-like growth factor-binding protein, IGFBP	3	89.24	2.01E-02
GEnC	IPR013032	EGF-like region, conserved site	5	10.15	3.37E-02
Podocyte	IPR013032	EGF-like region, conserved site	9	12.18	6.49E-05
Podocyte	IPR001881	EGF-like calcium-binding	6	24.79	2.46E-04
Podocyte	IPR000152	EGF-type aspartate/asparagine hydroxylation conserved site	6	24.53	1.72E-04
Podocyte	IPR000742	EGF-like, type 3	7	14.31	2.50E-04
Podocyte	IPR006210	EGF-like	7	13.81	2.44E-04
Podocyte	IPR018097	EGF-like calcium-binding, conserved site	5	20.66	2.00E-03
Podocyte	IPR000884	Thrombospondin, type 1 repeat	4	24.41	1.04E-02
Podocyte	IPR013091	EGF calcium-binding	4	22.04	1.23E-02
Podocyte	IPR008160	Collagen triple helix repeat	4	18.89	1.71E-02
Podocyte	IPR010294	ADAM-TS Spacer 1	3	51.74	1.94E-02
Podocyte	IPR006209	EGF	4	12.49	4.49E-02

Supplemental Table S5. The GEnC and podocyte coculture ECM proteome.

Cell-derived ECM was isolated from GEnCs and podocytes in coculture and analyzed by MS as described in the methods sections. The proteome of 123 components was categorized as basement membrane, other structural ECM or ECM-associated proteins according to GO annotation. Further classification was applied to denote subtype or predominant cellular compartment or function. Relative protein quantification was determined by normalized spectral count (nSC).

Basement membrane protein	IPI Accession	UniProtKB	Entrez Gene ID	Gene name	MW (kDa)	Abundance (nSC)	Classification
Agrin	IPI00374563	O00468	375790	AGRN	215	0.231	Glycoprotein
Collagen alpha-1(XVIII) chain	IPI00022822	P39060	80781	COL18A1	154	1.737	Collagen
Collagen alpha-1(IV) chain	IPI00743696	P02462	1282	COL4A1	161	1.822	Collagen
Collagen alpha-2(IV) chain	IPI00306322	P08572	1284	COL4A2	168	4.994	Collagen
Collagen alpha-3(IV) chain	IPI00010360	Q01955	1285	COL4A3	162	0.088	Collagen
Collagen alpha-4(IV) chain	IPI00478572	P53420	1286	COL4A4	164	0.001	Collagen
Collagen alpha-5(IV) chain	IPI00021715	P29400	1287	COL4A5	161	0.001	Collagen
Collagen alpha-1(V) chain	IPI00844090	P20908	1289	COL5A1	184	0.087	Collagen
Collagen alpha-2(V) chain	IPI00739099	P05997	1290	COL5A2	145	0.226	Collagen
Collagen alpha-1(VII) chain	IPI00025418	Q02388	1294	COL7A1	295	0.044	Collagen
Collagen alpha-1(VIII) chain	IPI00942464	P27658	1295	COL8A1	73	0.224	Collagen
Fibulin-1	IPI00218803	P23142	2192	FBLN1	77	0.086	Glycoprotein
Fibrillin-1	IPI00328113	P35555	2200	FBN1	312	4.281	Glycoprotein
Fibronectin	IPI00022418	P02751	2335	FN1	263	18.420	Glycoprotein
Perlecan	IPI00943326	P98160	3339	HSPG2	467	4.313	Proteoglycan
Laminin subunit alpha-3	IPI00377045	Q16787	3909	LAMA3	373	0.055	Glycoprotein
Laminin subunit alpha-4	IPI00329482	Q16363	3910	LAMA4	203	0.046	Glycoprotein
Laminin subunit alpha-5	IPI00783665	O15230	3911	LAMA5	400	0.179	Glycoprotein
Laminin subunit beta-1	IPI00013976	P07942	3912	LAMB1	198	0.957	Glycoprotein
Laminin subunit beta-2	IPI00296922	P55268	3913	LAMB2	196	0.083	Glycoprotein
Laminin subunit beta-3	IPI00299404	Q13751	3914	LAMB3	130	0.273	Glycoprotein
Laminin subunit gamma-1	IPI00298281	P11047	3915	LAMC1	178	1.341	Glycoprotein
Laminin subunit gamma-2	IPI00015117	Q13753	3918	LAMC2	131	0.128	Glycoprotein
Multimerin-2	IPI00015525	Q9H8L6	79812	MMRN2	104	0.241	Glycoprotein
Nidogen-1	IPI00026944	P14543	4811	NID1	136	0.714	Glycoprotein
Nidogen-2	IPI00028908	Q14112	22795	NID2	151	1.038	Glycoprotein
Tenascin	IPI00031008	P24821	3371	TNC	241	2.661	Glycoprotein
von Willebrand factor A domain-containing protein 1	IPI00396383	Q6PCB0	64856	VWA1	47	0.444	Glycoprotein
Other structural ECM protein	**IPI Accession**	**UniProtKB**	**Entrez Gene ID**	**Gene name**	**MW (kDa)**	**Abundance (nSC)**	**Classification**
Collagen alpha-1(XII) chain	IPI00329573	Q99715	1303	COL12A1	333	0.174	Collagen
Collagen alpha-1(XVI) chain	IPI00400935	Q07092	1307	COL16A1	158	0.053	Collagen
Collagen alpha-1(I) chain	IPI00297646	P02452	1277	COL1A1	139	0.378	Collagen
Collagen alpha-1(VI) chain	IPI00291136	P12109	1291	COL6A1	109	0.070	Collagen
Connective tissue growth factor	IPI00020977	P29279	1490	CTGF	38	0.943	Glycoprotein
Collagen triple helix repeat-containing protein 1	IPI00060423	Q96CG8	115908	CTHRC1	26	0.361	Glycoprotein
Protein CYR61	IPI00299219	O00622	3491	CYR61	42	1.556	Glycoprotein
Fibulin-7	IPI00167710	Q53RD9	129804	FBLN7	47	0.089	Glycoprotein
Fibrillin-2	IPI00019439	P35556	2201	FBN2	315	0.610	Glycoprotein
Hyaluronan and proteoglycan link protein 1	IPI00023601	P10915	1404	HAPLN1	40	0.104	Proteoglycan
Insulin-like growth factor-binding protein 7	IPI00016915	Q16270	3490	IGFBP7	29	0.648	Glycoprotein
Latent-transforming growth factor beta-binding protein 1	IPI00784258	Q14766	4052	LTBP1	187	0.231	Glycoprotein
Latent-transforming growth factor beta-binding protein 2	IPI00292150	Q14767	4053	LTBP2	195	0.136	Glycoprotein
Latent-transforming growth factor beta-binding protein 4	IPI00873371	Q8N2S1	8425	LTBP4	173	0.181	Glycoprotein
Microfibrillar-associated protein 1	IPI00022790	P55081	4236	MFAP1	52	0.114	Glycoprotein
Microfibrillar-associated protein 2	IPI00022621	P55001	4237	MFAP2	21	2.949	Glycoprotein
Lactadherin	IPI00002236	Q08431	4240	MFGE8	43	1.085	Glycoprotein
Matrix Gla protein	IPI00028714	P08493	4256	MGP	12	1.218	Glycoprotein
Periostin, osteoblast specific factor	IPI00410241	B1ALD8	10631	POSTN	90	3.839	Glycoprotein
Peroxidasin	IPI00016112	Q92926	7837	PXDN	165	1.030	Glycoprotein
Sushi repeat-containing protein SRPX	IPI00215899	P78539	8406	SRPX	50	0.216	Glycoprotein
Transforming growth factor-beta-induced protein ig-h3	IPI00018219	Q15582	7045	TGFBI	75	3.304	Glycoprotein
Thrombospondin-1	IPI00296099	P07996	7057	THBS1	129	6.865	Glycoprotein
Thrombospondin type-1 domain-containing protein 4	IPI00794391	Q6ZMP0	79875	THSD4	112	1.207	Glycoprotein
Tubulointerstitial nephritis antigen-like 1	IPI00005563	Q9GZM7	64129	TINAGL1	52	2.771	Glycoprotein
Versican core protein	IPI00009802	P13611	1462	VCAN	373	0.520	Proteoglycan
Vitronectin	IPI00298971	P04004	7448	VTN	54	0.680	Glycoprotein
von Willebrand factor A domain-containing protein 5B2	IPI00038139	Q9BVH8	90113	VWA5B2	133	0.064	Glycoprotein
ECM-associated protein	**IPI Accession**	**UniProtKB**	**Entrez Gene ID**	**Gene name**	**MW (kDa)**	**Abundance (nSC)**	**Classification**
A disintegrin and metalloproteinase with thrombospondin motifs 4	IPI00307276	O75173	9507	ADAMTS4	90	0.131	Protease
Aldose reductase	IPI00413641	P15121	231	AKR1B1	36	0.968	Enzyme
Serum albumin	IPI00745872	P02768	213	ALB	69	6.296	Secreted
Fructose-bisphosphate aldolase A	IPI00796333	P04075	226	ALDOA	45	0.681	Enzyme
Angiopoietin-related protein 4	IPI00153060	Q9BY76	51129	ANGPTL4	45	1.926	Secreted
Annexin A1	IPI00218918	P04083	301	ANXA1	39	0.464	Annexin
Annexin A11	IPI00909703	E9PDK5	311	ANXA11	46	0.389	Annexin
Annexin A2	IPI00418169	P07355	302	ANXA2	40	7.769	Annexin
Annexin IV	IPI00793199	P09525	307	ANXA4	36	0.568	Annexin
Annexin A5	IPI00329801	P08758	308	ANXA5	36	0.520	Annexin
Annexin VI	IPI00002459	E5RJR0	309	ANXA6	75	0.217	Annexin
Annexin A7	IPI00002460	P20073	310	ANXA7	53	0.432	Annexin
Complement C3 (Fragment)	IPI00783987	P01024	718	C3	187	0.054	Complement
Calreticulin	IPI00020599	P27797	811	CALR	48	0.123	Secreted
CD109 antigen	IPI00152540	Q6YHK3	135228	CD109	162	0.414	Cell surface
CD44 antigen	IPI00305064	P16070	960	CD44	82	0.902	Cell surface
CD59 glycoprotein	IPI00011302	P13987	966	CD59	14	5.531	Cell surface
Coatomer subunit alpha	IPI00295857	P53621	1314	COPA	138	0.092	Secreted
Cartilage-associated protein	IPI00748502	O75718	10491	CRTAP	47	0.200	Secreted
Cathepsin B	IPI00295741	P07858	1508	CTSB	38	0.650	Protease
Cathepsin Z	IPI00002745	Q9UBR2	1522	CTSZ	34	0.174	Protease
Dystonin	IPI00642259	Q03001	667	DST	857	0.025	Plakin
Prothrombin	IPI00019568	P00734	2147	F2	70	1.198	Coagulation
Coagulation factor V	IPI00478809	P12259	2153	F5	252	0.080	Coagulation
Heparin-binding growth factor 2	IPI00946154	P09038	2247	FGF2	31	0.977	Secreted
Filaggrin-2	IPI00397801	Q5D862	388698	FLG2	248	0.048	Cytoskeleton
Growth/differentiation factor 15	IPI00306543	Q99988	9518	GDF15	34	1.140	Secreted

ECM-associated protein, cont.	IPI Accession	UniProtKB	Entrez Gene ID	Gene name	MW (kDa)	Abundance (nSC)	Classification
Guanine nucleotide-binding protein G(s) subunit alpha	IPI00095891	Q5JWF2	2778	GNAS	111	1.198	Cell surface
Glypican 1	IPI00893155	P35052	2817	GPC1	67	0.161	Secreted
Gelsolin	IPI00646773	P06396	2934	GSN	81	0.305	Cytoskeleton
Vigilin	IPI00022228	Q00341	3069	HDLBP	141	0.140	Cytoplasm
Hedgehog-interacting protein	IPI00045106	Q96QV1	64399	HHIP	98	0.043	Cell surface
HLA class I histocompatibility antigen, Cw-7 alpha chain	IPI00940896	F5GXA6	3105	HLAC	44	0.807	Cell surface
Estradiol 17-beta-dehydrogenase 12	IPI00007676	Q53GQ0	51144	HSD17B12	34	0.174	Enzyme
Serine protease HTRA1	IPI00003176	Q92743	5654	HTRA1	51	0.439	Protease
Protein Red	IPI00011875	Q13123	3550	IK	66	0.248	Nucleus
Inter-alpha-trypsin inhibitor heavy chain H2	IPI00305461	P19823	3698	ITIH2	106	0.186	Protease inhibitor
Prolyl 3-hydroxylase 1	IPI00163381	Q32P28	64175	LEPRE1	83	0.157	Secreted
Galectin-1	IPI00219219	P09382	3956	LGALS1	15	18.629	Secreted
Galectin-3	IPI00465431	P17931	3958	LGALS3	26	2.704	Secreted
Galectin-8	IPI00010844	O00214	3964	LGALS8	36	0.236	Secreted
Galectin-9	IPI00010477	O00182	3965	LGALS9	40	0.920	Secreted
Protein ERGIC-53	IPI00026530	P49257	3998	LMAN1	58	0.340	Cytoplasm
Lysyl oxidase homolog 1	IPI00001597	Q08397	4016	LOXL1	63	0.122	Secreted
Lysyl oxidase homolog 2	IPI00294839	Q9Y4K0	4017	LOXL2	87	1.332	Secreted
Lysyl oxidase homolog 4	IPI00306402	Q96JB6	84171	LOXL4	84	0.079	Secreted
Lactoferrin	IPI00298860	P02780	361725	LTF	78	0.255	Secreted
Lysozyme C	IPI00019038	P16126	4069	LYZ	17	0.560	Secreted
Prolyl 4-hydroxylase subunit alpha-2	IPI00003128	O15460	8974	P4HA2	61	0.225	Enzyme
Protein disulfide-isomerase	IPI00010796	P07237	5034	P4HB	57	1.458	Enzyme
Tissue-type plasminogen activator	IPI00019590	P00750	5327	PLAT	63	0.066	Secreted
Plasminogen	IPI00019580	P00747	5340	PLG	91	0.151	Secreted
Procollagen-lysine, 2-oxoglutarate 5-dioxygenase 1	IPI00027192	Q5JXB8	5351	PLOD1	88	0.166	Enzyme
Procollagen-lysine,2-oxoglutarate 5-dioxygenase 2	IPI00337495	O00469	5352	PLOD2	87	0.104	Enzyme
Procollagen-lysine,2-oxoglutarate 5-dioxygenase 3	IPI00030255	O60568	8985	PLOD3	85	0.474	Enzyme
Serum paraoxonase 2	IPI00014958	Q15165	5445	PON2	39	0.214	Enzyme
Peptidyl-prolyl cis-trans isomerase A	IPI00419585	P62937	5478	PPIA	18	9.244	Enzyme
Serine protease 23	IPI00026941	O95084	11098	PRSS23	43	1.166	Protease
Protein S100-A6	IPI00027463	P06703	6277	S100A6	10	2.462	Cell surface
Protein S100-A8	IPI00007047	P05109	6279	S100A8	11	3.389	Secreted
Antithrombin-III	IPI00032179	P01008	462	SERPINC1	53	0.725	Protease inhibitor
Plasminogen activator inhibitor 1	IPI00007118	P05121	5054	SERPINE1	45	23.723	Protease inhibitor
Serpin H1	IPI00032140	P50454	871	SERPINH1	46	9.450	Protease inhibitor
Structural maintenance of chromosomes protein 3	IPI00219420	Q9UQE7	9126	SMC3	142	0.289	Secreted
Transforming growth factor beta-2	IPI00220156	P61812	7042	TGFB2	51	0.792	Secreted
Protein-glutamine gamma-glutamyltransferase 2	IPI00294578	P21980	7052	TGM2	77	15.244	Enzyme
U3 small nucleolar RNA-associated protein 11	IPI00180454	Q9Y3A2	51118	UPT11L	30	0.476	Secreted