

Supplementary Table 9: Diabetic nephropathy unique proteins when compared with non diaabetic glomerular diseases (MCD, FSGS, MGN and LN)

Accession	Description	Σ coverage	Σ number of proteins	Σ number of unique peptides	Σ number of peptides	Σ number of PSMs	Maximum score	Number of AAs	MW (kDa)	Isoelectric point
IP100004500	NEDD4-binding protein 3	3.49	1	1	1	1	2.98	544	60.4	8.10
IP100005721	Neutrophil defensin 1	32.98	2	1	1	5	12.60	94	10.2	6.99
IP100008753	Metallothionein-1X	19.67	6	1	1	1	3.20	61	6.1	7.96
IP100009823	Carboxypeptidase A1	12.65	5	4	4	9	13.78	419	47.1	5.76
IP100010675	Trefoil factor 2	21.71	1	2	2	4	7.97	129	14.3	5.81
IP100012587	Phosphatidylinositol-3,4,5-trisphosphate 3-phosphatase and dual-specificity protein phosphatase PTEN	9.43	1	1	1	2	3.36	403	47.1	6.37
IP100012760	Leptin	7.78	1	1	1	1	3.80	167	18.6	6.37
IP100019399	Serum amyloid A-4 protein	8.46	1	1	1	4	9.23	130	14.7	9.07
IP100021856	Apolipoprotein C-II	20.79	1	1	1	6	19.30	101	11.3	4.72
IP100022394	Complement C1q subcomponent subunit C	7.35	1	1	1	2	7.75	245	25.8	8.41
IP100022810	Isoform 1 of dipeptidyl peptidase 1	12.53	1	3	3	36	34.72	463	51.8	6.99
IP100023019	Isoform 1 of sex hormone-binding globulin	22.14	8	5	5	18	34.90	402	43.8	6.71
IP100026256	Filaggrin	2.51	6	3	3	4	6.38	4061	434.9	9.25
IP100029039	Regenerating islet-derived protein 3-alpha	13.14	1	1	1	4	16.13	175	19.4	7.64
IP100032195	Heat shock protein beta-2	6.19	1	1	1	1	3.20	307	33.1	6.64
IP100032288	MANSC domain-containing protein 1	3.48	1	1	1	1	3.44	431	46.8	6.54
IP100032328	Isoform HMW of Kininogen-1	21.89	4	1	12	61	54.73	644	71.9	6.81

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IP00176710	Putative lipocalin 1-like protein 1	6.79	2	1	1	2	3.17	162	17.9	5.00
IP00218875	Isoform C of osteopontin	25.44	7	5	5	9	29.23	287	32.3	4.55
IP00219025	Glutaredoxin-1	31.13	1	3	3	12	24.05	106	11.8	8.09
IP00219619	Isoform 3 of anthrax toxin receptor 1	14.48	8	2	2	14	20.38	297	33.3	6.88
IP00219648	Isoform 2 of vesicle-associated membrane protein 4	15.00	2	1	1	1	3.00	140	16.2	6.60
IP00232492	Isoform beta of tripartite motif-containing protein 29	3.51	2	1	1	1	3.05	570	63.8	6.98
IP00291175	Isoform 1 of vinculin	4.41	3	3	3	6	9.74	1066	116.6	6.09
IP00293350	Translin-associated protein X	14.14	1	1	1	1	3.33	290	33.1	6.55
IP00294004	Vitamin K-dependent protein S	3.55	5	2	2	5	10.79	676	75.1	5.67
IP00294395	Complement component C8 beta chain	14.38	1	5	5	16	31.63	591	67.0	8.13
IP00298537	Isoform C of fibulin-1	6.30	8	3	3	4	12.94	683	74.4	5.24
IP00298777	SPARC-like protein 1	16.87	4	2	6	13	9.68	664	75.2	4.81
IP00297284	insulin-like growth factor-binding protein 2 precursor	8.54	3	2	2	4	10.67	328	35.1	7.50
IP00298547	Protein DJ-1	7.94	1	1	1	1	3.00	189	19.9	6.79
IP00305380	Insulin-like growth factor-binding protein 4	12.02	1	3	3	7	15.42	258	27.9	7.15
IP00305469	Adapter molecule crk isoform b	8.33	3	1	1	1	3.75	204	22.9	5.48
IP00306483	Isoform 3 of coiled-coil and C2 domain-containing protein 1B	3.38	4	1	1	1	3.03	532	59.3	9.07
IP00328550	Thrombospondin-4	5.31	5	3	3	3	6.79	961	105.8	4.68
IP00384697	Isoform 2 of serum albumin	10.55	10	4	4	40	26.02	417	47.3	6.35
IP00398625	Hornerin	17.93	1	15	15	82	32.61	2850	282.2	10.04
IP00413587	Isoform 1 of BH3-interacting domain death agonist	14.36	3	2	2	2	3.28	195	22.0	5.44
IP00418676	Transmembrane protein 62	5.75	1	1	1	2	3.25	643	73.1	9.26
IP00441094	Isoform 3 of CD276 antigen	3.65	4	1	1	1	3.03	493	52.7	5.52
IP00465431	Galectin-3	4.40	1	1	1	1	3.09	250	26.1	8.56
IP00514229	RER1 retention in endoplasmic reticulumER 1 homolog	19.66	2	1	1	1	3.27	117	13.4	10.40
IP00549413	Annexin A1	14.22	3	2	2	4	9.17	204	22.7	5.53
IP00550731	Putative uncharacterized protein	41.00	19	1	6	255	233.21	239	26.2	8.06
IP00552123	Isoform 2 of V-set and immunoglobulin domain-containing protein 4	19.31	7	4	4	6	11.33	321	35.5	8.15
IP00556324	Transforming growth factor, beta-induced, 68kDa variant (fragment)	5.79	5	1	1	2	6.60	242	25.8	5.55
IP00639831	Isoform 2 of selenocysteine insertion sequence-binding protein 2	2.56	2	1	1	4	6.67	781	87.3	8.76
IP00643888	Isoform 3 of protein THEMIS	3.49	4	1	1	4	6.27	544	62.5	6.27
IP00644184	Isoform 2 of protein unc-45 homolog B	2.12	3	1	1	1	3.21	850	94.8	7.85
IP00644697	HEBP2 protein (fragment)	13.08	3	2	2	3	7.31	214	24.0	5.38
IP00645213	Apolipoprotein M, isoform CRA_a	11.21	3	1	1	2	6.94	116	13.0	7.75
IP00657767	FLNA protein (fragment)	9.12	6	2	2	2	6.58	307	33.0	6.38
IP00783665	cclLaminin subunit alpha-5	0.51	1	1	1	1	2.35	3695	399.5	6.99
IP00783987	Complement C3 (fragment)	34.94	3	45	45	429	531.80	1663	187.0	6.40
IP00788781	Uncharacterized protein	15.84	2	1	1	1	3.79	101	11.2	6.07
IP00792115	Putative uncharacterized protein DKFZp686H17246	29.38	2	1	3	3	12.31	160	17.8	5.05
IP00792354	10 kDa protein	11.76	1	1	1	1	3.28	85	9.6	7.90
IP00795257	32 kDa protein	9.90	7	2	2	4	3.29	293	31.5	7.61
IP00796776	cDNA FLJ54081, highly similar to Keratin, type II cytoskeletal 5	26.63	8	8	14	135	55.47	567	60.1	6.19
IP00797778	91 kDa protein	4.97	3	1	1	1	3.38	825	90.7	9.09
IP00807475	Isoform 2 of GC-rich sequence DNA-binding factor	2.56	2	1	1	3	9.13	743	84.8	6.20

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IP00844090	Collagen alpha-1 (V) chain	2.94	1	3	3	3	7.38	1838	183.4	5.06
IP00847557	Isoform 3 of Phosphatidylinositol-3,4,5-trisphosphate 5-phosphatase 1	1.95	3	1	1	3	6.25	976	109.2	8.68
IP00855846	UPF0727 protein C6orf115	16.05	1	1	1	5	11.72	81	9.1	6.29
IP00871427	Uncharacterized protein	2.59	5	1	1	2	6.20	926	106.8	5.38
IP00878623	Myoglobin	54.55	6	6	6	27	55.81	143	16.0	7.69
IP00879231	Alpha-2-antiplasmin	23.63	5	7	7	48	66.87	491	54.5	6.29
IP00879984	cDNA FLJ51250, highly similar to plasma kallikrein	2.53	4	1	1	1	3.79	514	57.6	8.34
IP00890724	Isoform 7 of dermokine	2.71	8	1	1	2	4.81	369	35.3	6.43
IP00892952	Uncharacterized protein	11.49	3	1	1	3	4.35	148	15.4	9.22
IP00893264	30 kDa protein	7.64	3	1	1	1	3.39	275	29.9	6.10
IP00893884	Uncharacterized protein	14.94	10	1	1	1	3.00	87	9.8	4.61
IP00895858	72 kDa type IV collagenase isoform b	3.11	2	1	1	1	3.73	610	68.8	5.34
IP00895943	Serum amyloid A2 isoform b	16.87	3	1	1	13	28.02	83	9.2	7.18
IP00902680	cDNA FLJ39696 fis, clone SMINT2011033, highly similar to Sorting and assembly machinery component 50 homolog	10.95	3	1	1	1	3.13	274	30.2	8.62
IP00903238	cDNA FLJ11717 fis, clone HEMBA1005241	14.96	2	1	1	2	3.15	127	14.5	6.54
IP00909308	cDNA FLJ57891, highly similar to Tropomyosin beta chain	8.23	16	1	1	1	3.28	158	17.8	4.81
IP00910358	cDNA FLJ53460, highly similar to Y + L amino acid transporter 1	6.20	2	1	1	1	3.29	484	53.3	5.30
IP00910380	cDNA FLJ54278, highly similar to SPARC-like protein 1	16.38	3	1	5	12	10.28	519	58.5	4.94
IP00910755	cDNA FLJ51707, highly similar to Heat-shock protein 105 kDa	4.54	1	1	1	14	22.09	639	71.2	8.46
IP00915302	Glutathione synthetase	5.51	2	1	1	4	3.39	363	40.3	5.11
IP00916240	16 kDa protein	19.46	2	1	2	3	10.14	149	16.4	6.30
IP00917285	cDNA FLJ57920, highly similar to metalloproteinase inhibitor 2	7.91	3	1	1	1	2.57	177	20.0	7.17
IP00922577	cDNA FLJ53768, highly similar to hepatocyte growth factor-like protein	6.10	6	1	1	1	3.25	164	17.8	9.11
IP00922737	ADAM DEC1 isoform 2	3.84	2	1	1	1	3.94	391	43.5	7.01
IP00924537	Uncharacterized protein	6.01	2	1	1	2	3.49	233	25.5	7.31
IP00939926	MHC class I antigen (fragment)	15.73	100	1	1	1	3.38	89	10.4	8.50
IP00945490	Uncharacterized protein	6.92	2	1	1	1	2.86	159	17.8	10.21
IP00946055	Uncharacterized protein	22.03	6	1	1	2	3.88	59	6.6	5.22
IP00947285	Suprabasin isoform 1 precursor	26.27	3	6	6	36	26.48	590	60.5	7.01
IP00964180	Protein	8.11	6	1	1	1	3.88	185	21.9	5.77
IP00965211	50 kDa protein	4.05	2	1	1	3	3.47	444	50.0	6.79
IP00965297	Uncharacterized protein	11.79	6	1	1	1	3.13	212	24.2	9.22
IP00967340	LRBA protein	1.83	3	1	1	1	3.35	2575	286.8	5.52
IP00967366	Uncharacterized protein	11.29	4	2	2	5	11.14	310	35.1	7.66
IP00973279	Isoform 2 of pericentrin	1.05	2	1	1	1	3.10	3139	355.7	5.47

HMW: High-molecular-weight; LN: Lupus nephritis; MCD: Minimal change disease; FSGS: Focal segmental glomerulosclerosis; MGN: Membranous glomerulonephritis; ER: Endoplasmic reticulum; PSM: Peptide spectrum match; AA: Amino acids