

Supplementary Table 1. Identified liver secretory proteins in mouse plasma with definitive *in situ* biotinylation evidence on lysine residues and comparison with other studies

		Protein species retrieved by UniProt Retrieve/ID mapping	Adeno-Sec61b-TurboID+Biotin (Replicate 1)		Adeno-Sec61b-TurboID+Biotin (Replicate 2)		SignalP 5.0 (Armenteros et al, 2019)	Human Protein Atlas (www.proteinatlas.org)			Ex vivo secretome of primary hepatocyte (Meex et al. 2015)
UniProt accession	Gene name	Protein name (Both detected, non-redundant peptide >1)	Non-redundant peptide	PSM	Non-redundant peptide	PSM	Signal Peptide (Sec/SPI) Likelihood	Elevated expression in Liver?	Predicted secreted protein?	Plasma protein?	Peptide count
P07724	Alb	Albumin	43	134	45	161	0.993	Yes	Yes	Yes	145
Q61838	Pzp	Pregnancy zone protein	20	43	21	56	0.997	Yes	Yes	Yes	6
Q921I1	Tf	Serotransferrin	21	42	28	56	0.998	Yes	Yes	Yes	75
A0A0R4J0I1	Serpina3k	Serine protease inhibitor A3K	16	46	13	33	0.981	Yes (SERPINA3)	Yes (SERPINA3)	Yes (SERPINA3)	21
P28665	Mug1	Murinoglobulin-1	13	19	24	33	0.949	-	-	-	6
E9PV24	Fga	Fibrinogen alpha chain	12	18	16	26	0.995	Yes	Yes	Yes	Not detected
Q00623	Apoa1	Apolipoprotein A-I	7	13	10	21	0.997	Yes	Yes	Yes	9
Q8VCM7	Fgg	Fibrinogen gamma chain	9	15	11	19	0.999	Yes	Yes	Yes	7
Q91X72	Hpx	Hemopexin	7	15	7	14	0.988	Yes	Yes	Yes	17
P22599	Serpina1b	Alpha-1-antitrypsin 1-2	3	3	9	13	0.988	Yes (SERPINA1)	Yes (SERPINA1)	Yes (SERPINA1)	23
P01027	C3	Complement C3	5	6	6	9	0.988	Yes	Yes	Yes	36
Q61147	Cp	Ceruloplasmin	3	4	5	6	0.994	Yes	Yes	Yes	29
Q08677	Kng1	Kininogen-1	3	4	3	5	0.999	Yes	Yes	Yes	17
Q61646	Hp	Haptoglobin	2	2	3	7	0.997	Yes	Yes	Yes	22
Q8K0E8	Fgb	Fibrinogen beta chain	4	4	4	5	0.999	Yes	Yes	Yes	12
P21614	Gc	Vitamin D-binding protein	2	3	3	5	0.996	Yes	Yes	Yes	40
P19221	F2	Prothrombin	2	2	3	4	0.900	Yes	Yes	Yes	11
P20918	Plg	Plasminogen	2	2	4	4	0.993	Yes	Yes	Yes	1
P23953	Ces1c	Carboxylesterase 1C	2	3	2	3	0.979	-	-	-	10
P32261	Serpinc1	Antithrombin-III	2	3	2	3	0.988	Yes	Yes	Yes	6
Q8K182	C8a	Complement component C8 alpha chain	2	2	2	4	0.997	Yes	Yes	Yes	Not detected
P06909	Cfh	Complement factor H	1	1	3	3	0.999	Yes	Yes	Yes	1
Q9ESB3	Hrg	Histidine-rich glycoprotein	1	2	2	2	0.998	Yes	Yes	Yes	Not detected
A6X935	Itih4	Inter alpha-trypsin inhibitor, heavy chain 4	1	1	2	2	0.960	Yes	Yes	Yes	Not detected
Q03734	Serpina3m	Serine protease inhibitor A3M	2	2	1	1	0.967	Yes (SERPINA3)	Yes (SERPINA3)	Yes (SERPINA3)	Not detected
Q61247	Serpinf2	Alpha-2-antiplasmin	1	1	2	2	0.979	Yes	Yes	Yes	5
Q61703	Itih2	Inter-alpha-trypsin inhibitor heavy chain H2	1	1	2	2	0.998	Yes	Yes	Yes	16