

Since this is a very extensive table, the format and content has not been edited by ActaDV.

Table SI. Proteins identified in the material extracted using Urea buffer (8 M urea, 25mM Tris-HCl (pH 9.5), 25% ethanol, 200 mM DTT)

Accession	GS	Name	Pro_M ass	Urea Set1_Pro tein Hit	Urea Set2- hit	Urea Set1_Pr otein Score	Urea Set2_Prote in Score	Urea Set1_e mPAI	Urea Set2_em PAI	Urea Set1_Pe ptide Number	Urea Set2_Pep tide Number
sp O43790 KRT86_HUMAN	KRT86	Keratin, type II cuticular Hb6	55120	1	1	12371	12579	831,22	1111,02	534	568
tr AOA087X106 AOA087X106_HUMAN	KRT81	Keratin, type II cuticular Hb1	54850	2	2	10093	10135	429,31	609,57	462	495
sp P78385 KRT83_HUMAN	KRT83	Keratin, type II cuticular Hb3	55928	3	3	9934	9849	602,96	537,7	454	474
sp P78386 KRT85_HUMAN	KRT85	Keratin, type II cuticular Hb5	57306	4	4	9256	8943	651,23	651,23	457	468
sp Q15323 K1H1_HUMAN	KRT31	Keratin, type I cuticular Ha1	48633	5	5	8907	8803	418,06	343,16	375	382
sp O76009 KT33A_HUMAN	KRT33A	Keratin, type I cuticular Ha3-I	47166	6	6	7674	7502	207,59	181,22	312	314
sp Q14525 KT33B_HUMAN	KRT33B	Keratin, type I cuticular Ha3-II	47325	7	7	7103	7074	167,3	119,13	308	309
sp A6NCN2 KR87P_HUMAN	KRT87P	Putative keratin-87 protein	29555	8	8	6138	6468	1150	1424,1	297	307
sp P02768 ALBU_HUMAN	ALB	Serum albumin	71317	9	9	4711	4740	37,41	34,1	243	250
sp O76011 KRT34_HUMAN	KRT34	Keratin, type I cuticular Ha4	50818	10	10	3855	3940	25,22	23,62	189	190
sp Q92764 KRT35_HUMAN	KRT35	Keratin, type I cuticular Ha5	51640	11	11	3000	3184	6,71	5,81	128	134
sp P04264 K2C1_HUMAN	KRT1	Keratin, type II cytoskeletal 1	66170	12	12	1994	1607	3,72	3,08	74	69
sp P13645 K1C10_HUMAN	KRT10	Keratin, type I cytoskeletal 10	59020	14	13	1584	1463	2,88	2,3	75	74
sp Q14532 K1H2_HUMAN	KRT32	Keratin, type I cuticular Ha2	51793	13	14	1734	1405	1,68	1,52	64	67
sp P08729 K2C7_HUMAN	KRT7	Keratin, type II cytoskeletal 7	51411	15	15	1020	1035	0,86	0,98	37	43
sp Q9BYR8 KRA31_HUMAN	KRTAP3-1	Keratin-associated protein 3-1	11558	17	16	874	860	1,19	1,19	20	22
sp O95678 K2C75_HUMAN	KRT75	Keratin, type II cytoskeletal 75	59809	16	17	966	850	0,62	0,53	37	42
sp Q8IUUC1 KR111_HUMAN	KRTAP11-1	Keratin-associated protein 11-1	18385	24	18	613	690	2,24	2,24	19	25
tr K7EMD9 K7EMD9_HUMAN	KRT13	Keratin, type I cytoskeletal 13 (Fragment)	19202	21	19	718	684	2,1	1,64	49	46
sp Q9NSB2 KRT84_HUMAN	KRT84	Keratin, type II cuticular Hb4	65942	19	20	785	679	0,41	0,48	28	34
sp P35908 K22E_HUMAN	KRT2	Keratin, type II cytoskeletal 2 epidermal	65678	20	21	770	677	0,98	0,8	34	31
sp O76013-2 KRT36_HUMAN	KRT36	Isoform 2 of Keratin, type I cuticular Ha6	48424	23	22	689	671	0,69	0,59	41	41
sp Q52LG2 KR132_HUMAN	KRTAP13-2	Keratin-associated protein 13-2	19912	26	23	501	594	1,19	1,56	19	21
sp P02533 K1C14_HUMAN	KRT14	Keratin, type I cytoskeletal 14	51872	18	24	829	557	1,09	0,85	40	40
sp P04259 K2C6B_HUMAN	KRT6B	Keratin, type II cytoskeletal 6B	60315	32	25	397	543	0,53	0,79	21	25
sp Q9NSB4 KRT82_HUMAN	KRT82	Keratin, type II cuticular Hb2	57985	25	26	585	518	0,84	0,94	41	38
sp P02538 K2C6A_HUMAN	KRT6A	Keratin, type II cytoskeletal 6A	60293	28	27	426	502	0,7	0,79	23	25

sp Q9BYR6 KRA33_HUMAN	KRTAP3-3	Keratin-associated protein 3-3	11441	39	28	334	492	0,69	0,69	9	11
sp Q14CN4-2 K2C72_HUMAN	KRT72	Isoform 2 of Keratin, type II cytoskeletal 72	56342	38	29	338	462	0,33	0,41	19	19
sp P08779 K1C16_HUMAN	KRT16	Keratin, type I cytoskeletal 16	51578	22	30	708	451	1,24	0,75	41	38
sp Q3LI72 KR195_HUMAN	KRTAP19-5	Keratin-associated protein 19-5	7847	27	31	455	428	3,39	3,39	10	8
sp Q9BYR7 KRA32_HUMAN	KRTAP3-2	Keratin-associated protein 3-2	11483	30	32	414	401	0,69	0,69	10	10
sp P08727 K1C19_HUMAN	KRT19	Keratin, type I cytoskeletal 19	44079		33		372		0,44		34
sp P19012 K1C15_HUMAN	KRT15	Keratin, type I cytoskeletal 15	49409	29	34	418	352	0,38	0,29	33	33
tr G3V1C2 G3V1C2_HUMAN	KRT40	Keratin, type I cytoskeletal 40	27344	45	35	246	346	0,78	1	20	23
sp O76014 KRT37_HUMAN	KRT37	Keratin, type I cuticular Ha7	51084	33	36	381	327	0,37	0,21	27	30
sp O76015 KRT38_HUMAN	KRT38	Keratin, type I cuticular Ha8	52044	37	37	339	316	0,28	0,2	25	23
sp Q8IUC0 KR131_HUMAN	KRTAP13-1	Keratin-associated protein 13-1	19505	42	38	260	298	0,61	0,61	7	8
sp Q9BYR3 KRA44_HUMAN	KRTAP4-4	Keratin-associated protein 4-4	21487	40	39	292	277	0,78	0,78	10	8
sp P35527 K1C9_HUMAN	KRT9	Keratin, type I cytoskeletal 9	62255	34	40	378	264	0,85	0,59	25	21
sp P13647 K2C5_HUMAN	KRT5	Keratin, type II cytoskeletal 5	62568	35	41	370	264	0,59	0,51	22	17
sp P0C7H8 KRA23_HUMAN	KRTAP2-3	Keratin-associated protein 2-3	15465	52	42	200	255	0,22	0,49	5	5
tr A0A087WV47 A0A087WV47_HUMAN	IGHG1	Ig gamma-1 chain C region	51863	43	43	255	240	0,36	0,54	17	18
sp Q6A163 K1C39_HUMAN	KRT39	Keratin, type I cytoskeletal 39	57155	63	44	135	220	0,32	0,48	9	14
sp Q5XKE5 K2C79_HUMAN	KRT79	Keratin, type II cytoskeletal 79	58085	48	45	231	189	0,18	0,18	9	9
tr A0A075B6N8 A0A075B6N8_HUMAN	IGHG3	Ig gamma-3 chain C region (Fragment)	42327	59	46	146	173	0,46	0,83	17	21
sp P01876 IGHA1_HUMAN	IGHA1	Ig alpha-1 chain C region	38486	44	47	254	171	0,78	0,51	18	14
sp Q08188 TGM3_HUMAN	TGM3	Protein-glutamine gamma-glutamyltransferase E	76926	41	48	271	165	0,09	0,09	7	6
sp P0CG05 LAC2_HUMAN	IGLC2	Ig lambda-2 chain C regions	11458	47	49	233	158	1,2	1,2	8	6
sp Q9BYQ5 KRA46_HUMAN	KRTAP4-6	Keratin-associated protein 4-6	26141	54	50	180	157	0,43	0,43	10	7
sp Q8IUC3 KRA71_HUMAN	KRTAP7-1	Keratin-associated protein 7-1	9624	65	51	119	156	0,85	0,85	5	5
sp Q5VU13 VSIG8_HUMAN	VSIG8	V-set and immunoglobulin domain-containing protein 8	44946	64	52	126	153	0,24	0,33	4	4
tr A0A075B6Z2 A0A075B6Z2_HUMAN	TRAJ56	Protein TRAJ56 (Fragment)	2220	58	53	161	149	1,81	1,81	12	11
sp Q9BYR4 KRA43_HUMAN	KRTAP4-3	Keratin-associated protein 4-3	24536	57	54	165	142	0,67	0,47	10	6
sp P01620 KV302_HUMAN	sp P01620 KV302_HUMAN	Ig kappa chain V-III region SIE	11882	66	55	118	140	0,29	0,29	3	3
sp P02787 TRFE_HUMAN	TF	Serotransferrin	79294	56	56	172	138	0,38	0,33	14	16
tr H0YH81 H0YH81_HUMAN	ATP5B	ATP synthase subunit beta (Fragment)	38226	70	57	103	136	0,09	0,09	3	3

sp P01009-2 A1AT_HUMAN	SERPINA1	Isoform 2 of Alpha-1-antitrypsin	40409	89	58	54	133	0,27	0,08	4	4
tr A0A087WTX5 A0A087WTX5_HUMAN	IGKC	Ig kappa chain C region	25950	46	59	234	130	0,62	0,27	12	9
sp Q7Z794 K2C1B_HUMAN	KRT77	Keratin, type II cytoskeletal 1b	62149	60	60	145	126	0,17	0,11	6	5
tr F8W696 F8W696_HUMAN	APOA1	Apolipoprotein A-I	28005	53	61	189	122	0,12	0,12	7	5
sp O14556 G3PT_HUMAN	GAPDHS	Glyceraldehyde-3-phosphate dehydrogenase, testis-specific	44815	72	62	92	121	0,24	0,24	7	7
sp P01023 A2MG_HUMAN	A2M	Alpha-2-macroglobulin	164613	87	63	58	119	0,04	0,04	5	4
sp Q9BYQ6 KR411_HUMAN	KRTAP4-11	Keratin-associated protein 4-11	24844	84	64	66	112	0,29	0,29	5	5
tr A0A087WU08 A0A087WU08_HUMAN	HP	Haptoglobin	31673	50	65	210	110	0,82	0,49	14	10
sp Q86SJ6-2 DSG4_HUMAN	DSG4	Isoform 2 of Desmoglein-4	117088	49	66	224	106	0,12	0,15	9	9
sp Q9BYQ3 KRA93_HUMAN	KRTAP9-3	Keratin-associated protein 9-3	19805	80	67	79	102	1,57	1,2	7	10
tr A0A087WW89 A0A087WW89_HUMAN	IGHV3-72	Protein IGHV3-72	11274	62	69	136	94	0,3	0,3	3	2
sp Q01546 K22O_HUMAN	KRT76	Keratin, type II cytoskeletal 2 oral	66370	74	68	90	94	0,1	0,16	10	10
sp P25705-2 ATPA_HUMAN	ATP5A1	Isoform 2 of ATP synthase subunit alpha, mitochondrial	54574	69	70	106	80	0,19	0,12	4	4
sp P00739-2 HPTR_HUMAN	HPR	Isoform 2 of Haptoglobin-related protein	44076	88	71	54	79	0,07	0,24	4	5
sp P31947-2 1433S_HUMAN	SFN	Isoform 2 of 14-3-3 protein sigma	24378	73	72	90	77	0,14	0,14	1	1
sp P27482 CALL3_HUMAN	CALML3	Calmodulin-like protein 3	16937	67	73	113	73	0,44	0,44	3	3
tr Q9BS19 Q9BS19_HUMAN	HPX	HPX protein	29068	78	74	83	66	0,24	0,11	4	2
tr F2Z2W8 F2Z2W8_HUMAN	SELENBP1	Selenium-binding protein 1	13968	81	75	78	63	0,24	0,24	2	3
sp Q96HU8 DIRA2_HUMAN	DIRAS2	GTP-binding protein Di-Ras2	22813	91	76	49	60	0,15	0,15	3	3
sp P02763 A1AG1_HUMAN	ORM1	Alpha-1-acid glycoprotein 1	23725	103	77	37	59	0,14	0,14	1	2
tr A0A087WU60 A0A087WU60_HUMAN	KRTAP9-2	Keratin-associated protein 9-2	20290	77	78	88	58	0,85	0,58	7	6
sp P01859 IGHG2_HUMAN	IGHG2	Ig gamma-2 chain C region	36505	68	79	112	53	0,3	0,54	13	13
sp P60413 KR10C_HUMAN	KRTAP10-12	Keratin-associated protein 10-12	28680	83	80	67	51	0,12	0,12	3	1
tr A0A087X0W2 A0A087X0W2_HUMAN	NEFL	Neurofilament light polypeptide	32621	95	81	42	48	0,11	0,11	2	2
sp A8MTY7 KRA97_HUMAN	KRTAP9-7	Keratin-associated protein 9-7	20915	117	83	31	46	0,35	0,16	2	3
tr J3QLI0 J3QLI0_HUMAN	APOH	Beta-2-glycoprotein 1 (Fragment)	22960	140	82		46	0,15	0,15	1	1
sp Q14134-2 TRI29_HUMAN	TRIM29	Isoform Beta of Tripartite motif-containing protein 29	64488	94	84	43	43	0,1	0,1	5	3
tr A0A087WUA0 A0A087WUA0_HUMAN	FGA	Fibrinogen alpha chain	33440		85		43		0,1		3

sp Q8IU81 KRA13_HUMAN	KRTAP1-3	Keratin-associated protein 1-3	20850	90	86	50	42	0,16	0,16	10	12
sp P05109 S10A8_HUMAN	S100A8	Protein S100-A8	10885	85	88	62	41	0,32	0,32	1	2
sp P04792 HSPB1_HUMAN	HSPB1	Heat shock protein beta-1	22826		87		41		0,15		2
sp B5MCY1 TDR15_HUMAN	TDRD15	Tudor domain-containing protein 15	224488	86	89	59	40	0,01	0,01	3	3
sp Q3LI83 KR241_HUMAN	KRTAP24-1	Keratin-associated protein 24-1	29012		90		39		0,11		1
sp P01024 CO3_HUMAN	C3	Complement C3	188569	96	94	42	38	0,02	0,02	1	2
sp Q9UDY8-2 MALT1_HUMAN	MALT1	Isoform 2 of Mucosa-associated lymphoid tissue lymphoma translocation protein 1	92505		93		38		0,04		3
tr A0A087WWG1 A0A087WWG1_HUMAN	SSH3	Protein phosphatase Slingshot homolog 3 (Fragment)	36130		92		38		0,09		3
tr A0A087WVV2 A0A087WVV2_HUMAN	RRBP1	Ribosome-binding protein 1	103112		91		38		0,03		3
tr G3V3R6 G3V3R6_HUMAN	LGALS3	Galectin	24128	93	96	44	36	0,3	0,14	2	1
sp Q9BYP9-2 KRA99_HUMAN	KRTAP9-9	Isoform 2 of Keratin-associated protein 9-9	21512		95		36		0,34		3
sp P20042 IF2B_HUMAN	EIF2S2	Eukaryotic translation initiation factor 2 subunit 2	38706	105	97	35	35	0,09	0,09	3	3
sp P05165-2 PCCA_HUMAN	PCCA	Isoform 2 of Propionyl-CoA carboxylase alpha chain, mitochondrial	77569		98		34		0,04		1
sp Q96PN6-2 ADCYA_HUMAN	ADCY10	Isoform 2 of Adenylate cyclase type 10	179041	113	99	32	33	0,02	0,02	3	3
sp Q5BKY1 LRC10_HUMAN	LRRC10	Leucine-rich repeat-containing protein 10	32078	116	101	32	32	0,1	0,1	1	1
tr J3KNM9 J3KNM9_HUMAN	FBXL7	F-box/LRR-repeat protein 7	52039		100		32		0,06		2
tr Q3KNR6 Q3KNR6_HUMAN	ST13	Hsc70-interacting protein	24010		102		31		0,14		4
sp P30049 ATPD_HUMAN	ATP5D	ATP synthase subunit delta, mitochondrial	17479		104		30		0,19		3
sp P0C0S5 H2AZ_HUMAN	H2AFZ	Histone H2A.Z	13545		107		30		0,25		1
sp O95072-2 REC8_HUMAN	REC8	Isoform 2 of Meiotic recombination protein REC8 homolog	61077		105		30		0,05		3
sp Q8WVE6-2 TM171_HUMAN	TMEM171	Isoform 2 of Transmembrane protein 171	35208		103		30		0,09		2
tr J3KRP8 J3KRP8_HUMAN	MICAL3	Protein-methionine sulfoxide oxidase MICAL3 (Fragment)	20026		106		30		0,17		3

sp P36957-2 ODO2_HUMAN	DLST	Isoform 2 of Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial	39585	97	111	40	0,08	0,08	1	1
tr D6RD49 D6RD49_HUMAN	DDIT4L	DNA damage-inducible transcript 4-like protein (Fragment)	14728	109	119	34	0,23	0,23	10	8
sp Q9BYR5 KRA42_HUMAN	KRTAP4-2	Keratin-associated protein 4-2	17130	92	124	46	0,43	0,2	2	1
sp P02675 FIBB_HUMAN	FGB	Fibrinogen beta chain	56577	115	125	32	0,06	0,06	3	4
tr C9JC84 C9JC84_HUMAN	FGG	Fibrinogen gamma chain	52932	79	134	82	0,27	0,06	7	2
sp P48668 K2C6C_HUMAN	KRT6C	Keratin, type II cytoskeletal 6C	60273	31		406	0,61		24	
tr C9JM50 C9JM50_HUMAN	KRT19	Keratin, type I cytoskeletal 19 (Fragment)	20831	36		351	0,82		29	
sp P01861 IGHG4_HUMAN	IGHG4	Ig gamma-4 chain C region	36431	51		204	0,42		16	
tr U3KQK0 U3KQK0_HUMAN	HIST1H2BN	Histone 1, H2bn, isoform CRA_b	18792	55		176	0,18		3	
sp Q9BQ66 KR412_HUMAN	KRTAP4-12	Keratin-associated protein 4-12	25609	61		142	0,28		9	
tr F8W6P5 F8W6P5_HUMAN	HBB	Hemoglobin subunit beta (Fragment)	9664	71		93	0,85		3	
sp Q86Y46-2 K2C73_HUMAN	KRT73	Isoform 2 of Keratin, type II cytoskeletal 73	42244	76		90	0,16		4	
sp Q7RTS7 K2C74_HUMAN	KRT74	Keratin, type II cytoskeletal 74	58229	75		90	0,12		4	
tr A0A0B4J259 A0A0B4J259_HUMAN	LYZ	Lysozyme C	15661	82		77	0,22		1	
tr B4DEB1 B4DEB1_HUMAN	H3F3A	Histone H3.3	14158	98		40	0,24		2	
sp Q17RB8-2 LONF1_HUMAN	LONRF1	Isoform 2 of LON peptidase N-terminal domain and RING finger protein 1	87186	99		40	0,04		2	
sp P01008 ANT3_HUMAN	SERPINC1	Antithrombin-III	53025	100		38	0,06		1	
sp P55265-4 DSRAD_HUMAN	ADAR	Isoform 4 of Double-stranded RNA-specific adenosine deaminase	142061	102		38	0,02		3	
sp P15924-2 DESP_HUMAN	DSP	Isoform DPII of Desmoplakin	262237	101		38	0,01		1	
sp Q5JSJ4 DX26B_HUMAN	DDX26B	Protein DDX26B	97239	104		37	0,03		1	
sp P09848 LPH_HUMAN	LCT	Lactase-phlorizin hydrolase	219533	107		34	0,02		2	
tr E9PP40 E9PP40_HUMAN	LRRC14	Leucine-rich repeat-containing protein 14 (Fragment)	34154	110		34	0,1		1	
tr K7EPH2 K7EPH2_HUMAN	FARSA	Phenylalanine--tRNA ligase alpha subunit (Fragment)	43015	108		34	0,08		2	
tr Q5JNW7 Q5JNW7_HUMAN	PSMB8	Proteasome subunit beta type-8	28117	106		34	0,12		2	

sp Q7Z5M8-2 AB12B_HUMAN	ABHD12B	Isoform 2 of Abhydrolase domain-containing protein 12B	32263	111	33	0,1	2
tr A0A087X1A2 A0A087X1A2_HUMAN	KRTAP19-7	Keratin-associated protein 19-7	7984	112	33	0,44	1
tr E7ETB0 E7ETB0_HUMAN	C21orf91	Protein EURL homolog (Fragment)	28214	114	32	0,12	1
tr A0A087X1H6 A0A087X1H6_HUMAN	ST13	Hsc70-interacting protein	28334	119	30	0,12	2
tr A0A0A0MSY6 A0A0A0MSY6_HUMAN	IQCA1	IQ and AAA domain-containing protein 1	96507	118	30	0,03	1
sp Q8IWG1-2 WDR63_HUMAN	WDR63	Isoform 2 of WD repeat-containing protein 63	99322	120	30	0,03	1
