

Appendix 1: List of total tear proteins identified in C and KC.

Accession number	Identified proteins	Theoretical mass (kDa)	No. of unique peptides	MASCOT score
P63104	14-3-3 protein zeta/delta	28	2	56.1
P63261	Actin-2	42	2	54.6
Q6UY14	ADAMTS-like protein 4	116	2	50.7
Q5JTZ9	Alanyl-tRNAsynthetase	107	2	50.8
P02763	Alpha-1-acid glycoprotein 1	23	2	55.7
P01011	Alpha-1-antichymotrypsin	48	5	57.4
P01009	Alpha-1-antitrypsin	47	6	56.5
P02765	Alpha-2-HS-glycoprotein	39	3	56.2
P08758	Annexin A5	36	2	51.6
P02647	Apolipoprotein A-I	31	4	54.5
P53367	Arfaptin-1	42	2	50.2
P61769	Beta-2-microglobulin	14	3	55.6
O43852	Calumenin	37	2	55.6
P07858	Cathepsin B	38	2	53.4
P10909	Clusterin	52	5	57.3
P28325	Cystatin D	16	2	54
P01036	Cystatin S	16	4	57.8
P09228	Cystatin SA	16	2	56.5
P01037	Cystatin SN	16	2	57.4
Q9UGM3	Deleted in malignant brain	260	2	50.2

	tumors 1 protein			
P81605	Dermcidin	11	2	54.5
O75923	Dysferlin	237	2	50.1
Q9GZZ8	Extracellular glycoprotein lacritin	14	30	56.8
P02671	Fibrinogen alpha chain	95	3	55.9
P20930	Filaggrin	435	2	57
P22352	Glutathione peroxidase 3	25	2	52.8
P49915	GMP synthase [glutamine-hydrolyzing]	77	2	52.2
P00738	Haptoglobin	45	2	55.9
P04792	Heat shock protein beta 1	23	3	55.9
P02790	Hemopexin	52	2	53.7
P01834	Ig kappa chain C region	12	2	55.3
P02533	Keratin, type I cytoskeletal 14	52	3	54.6
P13645	Keratin, type I cytoskeletal 10	59	16	57.8
P35527	Keratin, type I cytoskeletal 9	62	13	58.6
P04264	Keratin, type II cytoskeletal 1	66	15	56.4
P35908	Keratin, type II cytoskeletal 2 epidermal	65	16	55.7

P13647	Keratin, type II cytoskeletal 5	62	2	54.2
Q16773	Kynurenine-oxoglutarate transaminase	48	2	50.2
P22079	Lactoperoxidase	80	2	53.9
P02788	Lactoferrin	78	16	57.9
P31025	Lipocalin-1	19	25	58.4
Q86X29	Lipolysis-stimulated lipoprotein receptor	71	2	54.2
P61626	Lysozyme C	16	2	52.5
O75556	Mammaglobin B	11	7	57.6
Q13421	Mesothelin	69	8	54.1
P01033	Metalloproteinase inhibitor 1	23	2	52.2
P16035	Metalloproteinase inhibitor 2	24	2	55.7
P05164	Myeloperoxidase	74	2	50
P80188	Neutrophil gelatinase- associated lipocalin	22	3	56.6
Q02818	Nucleobindin-1	54	2	53.2
P55058	Phospholipid transfer protein	55	4	55.9
P01833	Polymeric immunoglobulin receptor	83	8	55.8
Q9ULR0	Pre-mRNA-splicing factor ISY1	37	2	51.5
P07737	Profilin-1	15	2	54.4

P12273	Prolactin-inducible protein	16	13	54.3
Q99935	Proline-rich protein 1	27	4	52.3
Q16378	Proline-rich protein 4	15	35	55.7
P25815	Protein S100-P	10	2	56
Q16740	Putative ATP-dependent Clp protease proteolytic subunit, mitochondrial	30	2	50.1
Q9HBR0	Putative sodium-coupled neutral amino acid transporter 10	120	2	55.5
Q15293	Reticulocalbin-1	39	2	56.3
Q9BUL9	Ribonuclease P protein subunit p25	21	2	51.3
O95968	Secretoglobin family 1D member 1	10	7	54
P02768	Serum albumin	69	13	56.4
Q9H299	SH3 domain-binding glutamic acid-rich-like protein 3	10	2	52.7
Q99954	Submaxillary gland androgen-regulated protein 3A	14	3	57.2
P10599	Thioredoxin	12	2	55.4
P20061	Transcobalamin-1	48	11	57.7
Q7Z4N2	Transient receptor potential cation channel subfamily	33	2	50.5
O75888	Tumor necrosis factor ligand superfamily member 13	26	2	53.8

Q9BQ24	Zinc finger FYVE domain-containing protein 21	26	2	54.1
Q96KM6	Zinc finger protein 512B	97	2	50.1
P25311	Zinc-alpha-2-glycoprotein	34	13	56.7
Q96DA0	Zymogen granule protein 16 homolog B	23	4	57.5