

## Tear film proteome in age-related macular degeneration.

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Supplementary table 1 - Control group patients identified proteins

Protein name	Score	Mass	Matches	Access no.
Serum albumin	210	71.3	9	P02768
Lactotransferrin	116	80	17	P02788
Lipocalin-1	85	19.4	10	P31025
SUMO-conjugating enzyme UBC9	72	18.2	8	P63279
Ras GTPase-activating protein 2	70	97.9	12	Q15283
Integrator complex subunit 6	66	101	13	Q9UL03
Zinc finger protein 391	65	41.8	9	Q9UJN7
Grainyhead-like protein 3 homolog	64	71	12	Q8TE85
Zinc finger protein 624	64	102.5	12	Q9P2J8
28S ribosomal protein S22, mitochondrial	64	41.4	7	P82650
Putative uncharacterized protein SSBP3-AS1	62	11	5	Q7Z2R9
Low-density lipoprotein receptor-related protein 4	62	217.3	21	O75096
B-cell antigen receptor complex-associated protein beta chain	61	26.3	6	P40259
Telomerase reverse transcriptase	61	128.6	20	O14746

<b>Protein name</b>	<b>Score</b>	<b>Mass</b>	<b>Matches</b>	<b>Access no.</b>
<b>Potassium voltage-gated channel subfamily B member 1</b>	61	96.7	10	Q14721
<b>Ras and Rab interactor 2</b>	60	101.1	12	Q8WYP3
<b>Iron-sulfur protein NUBPL</b>	60	34.3	7	Q8TB37
<b>Testis-expressed sequence 33 protein</b>	60	30.8	9	O43247
<b>Metallophosphoesterase 1</b>	60	45.7	7	Q53F39
<b>Melanoma inhibitory activity protein 3</b>	60	214.3	17	Q5JRA6
<b>Protein-glutamine gamma-glutamyltransferase 6</b>	60	80.1	14	O95932
<b>Vimentin</b>	59	53.7	18	P08670
<b>Protoporphyrinogen oxidase</b>	59	51.2	7	P50336
<b>T-complex protein 1 subunit gamma</b>	59	61.1	10	P49368
<b>ATP synthase subunit alpha, mitochondrial</b>	59	59.8	10	P25705
<b>G-protein coupled receptor 87</b>	58	42	6	Q9BY21
<b>Cystatin-S</b>	58	16.5	5	P01036
<b>Carbonyl reductase [NADPH] 3</b>	58	31.2	7	O75828
<b>Zinc finger protein 585A</b>	58	90.5	20	Q6P3V2
<b>Desmin</b>	58	53.6	5	P17661
<b>NAD-dependent protein deacetylase sirtuin-3, mitochondrial</b>	57	43.9	7	Q9NTG7
<b>Protein phosphatase 1 regulatory subunit 3B</b>	57	33.1	5	Q86XI6
<b>HLA class II histocompatibility antigen, DRB1-4 beta chain</b>	57	30.4	7	P13760
<b>Signal-regulatory protein beta-1</b>	57	43.6	10	O00241
<b>Aurora kinase C</b>	57	35.9	12	Q9UQB9
<b>Glucosamine-6-phosphate isomerase 2</b>	57	31.3	7	Q8TDQ7

<b>Protein name</b>	<b>Score</b>	<b>Mass</b>	<b>Matches</b>	<b>Access no.</b>
<b>Tetratricopeptide repeat protein 39B</b>	57	77.9	7	Q5VTQ0
<b>EH domain-containing protein</b>	56	61.4	8	Q9H223
<b>Bromodomain testis-specific protein</b>	56	108.5	10	Q58F21
<b>Gamma-aminobutyric acid receptor subunit epsilon</b>	56	58.9	6	P78334
<b>Dual specificity protein kinase CLK3</b>	56	74.3	8	P49761
<b>N-acetyltransferase ESCO2</b>	56	69.2	9	Q56NI9
<b>Suppressor of tumorigenicity 20 protein</b>	56	9.2	6	Q9HBF5
<b>Zinc finger protein 780A</b>	56	76.6	9	O75290
<b>Interferon-induced protein with tetratricopeptide repeats 3</b>	56	56.7	8	O14879
<b>Beta-defensin 107</b>	55	8.1	5	Q8IZN7
<b>Protein Njmu-R1</b>	55	45.3	8	Q9HAS0
<b>Tudor domain-containing protein 3</b>	55	73.4	7	Q9H7E2
<b>Tyrosine-protein kinase Fer</b>	54	95.2	14	P16591
<b>Phosphoserine phosphatase</b>	54	25.2	13	P78330
<b>FUN14 domain-containing protein 2</b>	54	20.7	15	Q9BWH2
<b>IQ and AAA domain-containing protein 1</b>	54	95.6	12	Q86XH1
<b>mRNA export factor</b>	53	41.6	7	P78406
<b>Cyclin-I</b>	53	43.2	7	Q14094
<b>RILP-like protein 1</b>	53	47.1	11	Q5EBL4
<b>Thymidine kinase, cytosolic</b>	53	26.1	7	P04183
<b>Prolyl 4-hydroxylase subunit alpha-3</b>	53	61.4	8	Q7Z4N8
<b>Chondroitin sulfate N-acetylgalactosaminyltransferase 1</b>	53	61.8	11	Q8TDX6

Protein name	Score	Mass	Matches	Access no.
Beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase 3	52	51.6	12	O95395
Uncharacterized protein C2orf54	52	49.9	10	Q08AI8
Semaphorin-4D	52	97.5	14	Q92854
Ninein	51	245.2	39	Q8N4C6
Unconventional myosin-VIIb	51	243.6	13	Q6PIF6
Endothelial zinc finger protein induced by tumor necrosis factor alpha	51	56.2	14	Q9NQZ8
Rab GDP dissociation inhibitor beta	51	51.1	11	P50395
Cytochrome P450 2B6	50	56.5	9	P20813
Zinc finger and SCAN domain-containing protein 5A	50	56.9	7	Q9BUG6
Gypsy retrotransposon integrase-like protein 1	50	60.2	9	Q9NXP7
HAUS augmin-like complex subunit 2	50	27.1	4	Q9NVX0
V-set and transmembrane domain-containing protein 2B	50	30.4	8	A6NLU5
Small nuclear ribonucleoprotein-associated protein N	50	24.8	11	P63162
Cyclin-dependent kinase 4 inhibitor C	50	18.2	4	P42773
UPF0704 protein C6orf165	50	71.7	16	Q8IYR0
Apolipoprotein L3	50	44.6	11	O95236
Putative uncharacterized protein ST20-AS1	50	13.9	7	Q8NBB2
N-chimaerin	50	53.8	12	P15882
Polyadenylate-binding protein 2	50	32.8	5	Q86U42
A-kinase anchor protein 1, mitochondrial	50	98.3	8	Q92667

<b>Protein name</b>	<b>Score</b>	<b>Mass</b>	<b>Matches</b>	<b>Access no.</b>
<b>Alkyldihydroxyacetonephosphate synthase, peroxisomal</b>	49	73.7	9	O00116
<b>Smoothelin-like protein 2</b>	49	50.5	6	Q2TAL5
<b>Beta-defensin 136</b>	49	9.1	5	Q30KP8
<b>Protein C3orf33</b>	48	33.9	10	Q6P1S2
<b>GDNF family receptor alpha-2</b>	48	53.3	6	O00451
<b>Olfactory receptor 2M4</b>	48	35.7	4	Q96R27
<b>Serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B gamma isoform</b>	48	51.9	8	Q13362
<b>Tyrosine-protein kinase Fes/Fps</b>	48	93,5	7	P07332
<b>Hormone-sensitive lipase</b>	47	117.3	17	Q05469
<b>Caspase-4</b>	47	43.8	9.	P49662
<b>Podocin</b>	47	42.5	7	Q9NP85
<b>Kinesin heavy chain isoform 5C</b>	47	110	8	O60282
<b>Protein FAM3C</b>	46	24.9	11	Q92520
<b>WD repeat-containing protein 82</b>	45	35.5	7	Q6UXN9
<b>NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 2</b>	45	11	6	O43678
<b>Fibroblast growth factor-binding protein 3</b>	45	28.1	8	Q8TAT2
<b>Poly [ADP-ribose] polymerase 12</b>	45	80.5	8	Q9H0J9
<b>Cytochrome P450 2S1</b>	45	55.8	6	Q96SQ9
<b>Interferon beta</b>	44	22.6	7	P01574
<b>Guanine nucleotide-binding protein-like 3</b>	44	62.5	12	Q9BVP2
<b>One cut domain family member 3</b>	44	50.2	7	O60422
<b>Solute carrier family 25 member 40</b>	43	38.6	5	Q8TBP6
<b>CMRF35-like molecule 6</b>	43	25	4	Q08708

<b>Protein name</b>	<b>Score</b>	<b>Mass</b>	<b>Matches</b>	<b>Access no.</b>
<b>Zinc finger protein 232</b>	43	48.5	6	Q9UNY5
<b>Ropporin-1A</b>	43	24.2	5	Q9HAT0
<b>Mitochondrial import inner membrane translocase subunit Tim8 A</b>	43	11.2	3	O60220
<b>Paraneoplastic antigen Ma3</b>	43	53	5	Q9UL41
<b>Aladin</b>	42	60.4	8	Q9NRG9
<b>Histone H2A-Bbd type 1</b>	42	12.7	3	P0C5Y9
<b>Oncostatin-M</b>	42	28.8	7	P13725
<b>Interleukin-12 receptor subunit beta-2</b>	42	97.1		Q99665
<b>B melanoma antigen 4</b>	41	4.2	3	Q86Y28
<b>Mitochondrial import receptor subunit TOM5 homolog</b>	41	6.0	6	Q8N4H5
<b>LIM domain-containing protein ajuba</b>	41	58.7	6	Q96IF1
<b>Autoimmune regulator</b>	41	58.7	8	O43918
<b>Ras-related protein Rab-36</b>	40	36.8	8	O95755
<b>Zinc finger protein 525</b>	40	24.1	5	O95755
<b>Axin interactor, dorsalization-associated protein</b>	40	35.2	8	Q96BJ3
<b>Ig lambda-7 chain C region</b>	40	11.5	4	A0M8Q6
<b>Translation initiation factor eIF-2B subunit beta</b>	40	39.2	4	P49770
<b>Transmembrane protein 263</b>	40	11.7	3	Q8WUH6
<b>C-X-C chemokine receptor type 2</b>	39	41.2	4	P25025
<b>Collagen alpha-1(XXV) chain</b>	38	65.1	6	Q9BUG6
<b>Kunitz-type protease inhibitor 2</b>	37	29	4	O43291
<b>Zinc finger protein 674</b>	37	68.9	7	Q2M3X9
<b>Cystatin-C</b>	36	16	6	P1034

<b>Protein name</b>	<b>Score</b>	<b>Mass</b>	<b>Matches</b>	<b>Access no.</b>
<b>Calpain-2 catalytic subunit</b>	36	80.8	9	P17655
<b>Histone H2A type 1-A</b>	34	14.2	4	Q96QV6
<b>MICAL-like protein 2</b>	34	98.2	8	Q8IY33
<b>Thrombopoietin</b>	29	38	3	P40225