Table 2
Potential Proteomic Gender Differences in Mouse RPE

UniProt Accession	Gene Name	Chromosome	Protein	Linear Ratio Female/Male Pool (n=2606 proteins)	SEM	adjusted p Value	Sample Frequency	Linear Ratio Male/Female Pool (n=2536 proteins)	SEM	adjusted p Value	Sample Frequency
A2AQP0	Myh7b	Chromosome 2	Myosin-7B	1.526	0.045	1.30E-03	7	0.860	0.051	4.92E-02	8
O09161	Casq2	Chromosome 3	Calsequestrin-2	1.327	0.071	2.35E-02	10	0.681	0.065	2.39E-03	10
Q62082	Myl10	Chromosome 5	Myosin regulatory light chain 10	1.312	0.074	3.22E-02	10	0.587	0.109	6.18E-03	10
Q61597	Crygc	Chromosome 1	Gamma-crystallin C	1.308	0.152	2.68E-01	10	0.567	0.199	4.63E-02	10
Q9JJW5	Myoz2	Chromosome 3	Myozenin-2	1.308	0.037	1.81E-03	10	0.866	0.049	4.88E-02	10
P24622	Cryaa	Chromosome 17	Alpha-crystallin A chain	1.262	0.211	4.94E-01	10	0.536	0.223	4.92E-02	10
Q7TQF7	Amph	Chromosome 13	Amphiphysin	1.252	0.053	2.54E-02	7	0.845	0.089	1.51E-01	7
P51667	Myl2	Chromosome 5	Myosin regulatory light chain 2, ventricul	1.238	0.040	1.67E-02	7	0.782	0.064	2.01E-02	7
P04247	Mb	Chromosome 15	Myoglobin	1.225	0.130	3.23E-01	10	0.694	0.093	1.44E-02	10
P13541	Myh3	Chromosome 11	Myosin-3	1.219	0.053	3.22E-02	10	0.733	0.065	7.41E-03	10
Q9CY73	Mrpl44	Chromosome 1	39S ribosomal protein L44, mitochondria	1.209	0.043	2.54E-02	7	0.858	0.038	2.31E-02	7
Q9CQR6	Ppp6c	Chromosome 2	Serine/threonine-protein phosphatase 6	1.203	0.059	6.04E-02	10	0.973	0.032	5.44E-01	10
Q68FL6	Mars1	Chromosome 10	Methionine--tRNA ligase, cytoplasmic	1.199	0.047	2.92E-02	10	0.939	0.025	1.02E-01	10
Q9QWL7	Krt17	Chromosome 11	Keratin, type I cytoskeletal 17	1.198	0.065	8.63E-02	10	0.814	0.031	2.20E-03	10
O35486	Crygs	Chromosome 16	Gamma-crystallin S	1.194	0.195	5.85E-01	10	0.586	0.195	5.30E-02	10
Q80XN0	Bdh1	Chromosome 16	D-beta-hydroxybutyrate dehydrogenase,	1.189	0.031	1.92E-02	7	0.902	0.016	1.59E-02	7
P04344	Crygb	Chromosome 1	Gamma-crystallin B	1.184	0.089	2.43E-01	10	0.742	0.103	4.61E-02	10
Q9JJU9	Crybb3	Chromosome 5	Beta-crystallin B3	1.178	0.157	5.18E-01	10	0.740	0.114	6.09E-02	10
P19123	Tnnc1	Chromosome 14	Troponin C, slow skeletal and cardiac mu	1.174	0.120	4.04E-01	10	0.733	0.043	1.28E-03	10
P23953	Ces1c	Chromosome 8	Carboxylesterase 1C	1.167	0.029	1.39E-02	10	0.833	0.029	2.39E-03	10
P21107	Tpm3	Chromosome 3	Tropomyosin alpha-3 chain	1.164	0.048	6.07E-02	10	0.848	0.045	2.18E-02	10
Q62009	Postn	Chromosome 3	Periostin	1.160	0.049	6.97E-02	10	0.800	0.017	1.44E-04	10
Q91Z83	Myh7	Chromosome 14	Myosin-7	1.151	0.043	5.97E-02	10	0.885	0.034	2.47E-02	10
Q922J3	Clip1	Chromosome 5	CAP-Gly domain-containing linker protei	1.142	0.042	8.39E-02	7	0.803	0.094	8.90E-02	7
Q5SX40	Myh1	Chromosome 11	Myosin-1	1.129	0.050	1.45E-01	10	0.809	0.038	3.84E-03	10
Q9WVJ5	Crybb1	Chromosome 5	Beta-crystallin B1	1.129	0.134	5.89E-01	10	0.699	0.127	4.88E-02	10
Q8CI43	Myl6b	Chromosome 10	Myosin light chain 6B	1.129	0.067	2.69E-01	10	0.751	0.034	5.24E-04	10
P23927	Cryab	Chromosome 9	Alpha-crystallin B chain	1.124	0.182	7.09E-01	10	0.695	0.152	8.08E-02	10
Q8CIX8	Lgsn	Chromosome 1	Lengsin	1.124	0.080	3.66E-01	10	0.728	0.090	2.21E-02	10
Q8R1X6	Spart	Chromosome 3	Spartin	1.121	0.033	7.70E-02	7	0.885	0.018	1.06E-02	7
Q9JJV1	Cryba2	Chromosome 1	Beta-crystallin A2	1.120	0.170	6.98E-01	10	0.730	0.138	9.51E-02	10
P00405	Mtco2	Mitochondrion	Cytochrome c oxidase subunit 2	1.117	0.024	2.54E-02	10	0.944	0.016	5.82E-02	10
Q9WUZ5	Tnni1	Chromosome 1	Troponin I, slow skeletal muscle	1.112	0.039	1.13E-01	10	0.799	0.059	1.72E-02	10
Q61584	Fxr1	Chromosome 3	RNA-binding protein FXR1	1.110	0.017	1.63E-02	10	0.925	0.030	8.67E-02	10
Q62167	Ddx3x	Chromosome X	ATP-dependent RNA helicase DDX3X.	1.108	0.017	1.74E-02	10	0.792	0.023	2.40E-04	10
P82198	Tgfbi	Chromosome 13	Transforming growth factor-beta-induced	1.103	0.025	4.48E-02	10	0.860	0.051	4.63E-02	10
P02525	Cryba1	Unplaced	Beta-crystallin A1	1.102	0.205	7.94E-01	10	0.651	0.146	4.26E-02	10
O54974	Lgals7	Unplaced	Galectin-7	1.097	0.031	9.30E-02	10	0.880	0.036	2.77E-02	10
Q8VHX6	Flnc	Chromosome 6	Filamin-C	1.079	0.024	9.27E-02	10	0.939	0.021	7.50E-02	10
P62696	Crybb2	Chromosome 5	Beta-crystallin B2	1.078	0.145	7.73E-01	10	0.659	0.130	3.06E-02	10
Q05816	Fabp5	Chromosome 3	Fatty acid-binding protein 5	1.073	0.089	6.43E-01	10	0.798	0.083	5.69E-02	10
Q9QW08	Pdc	Chromosome 1	Phosducin	1.023	0.091	9.04E-01	10	0.802	0.083	6.10E-02	10
Q03740	Crygc	Chromosome 1	Gamma-crystallin E	1.023	0.048	8.07E-01	10	0.736	0.064	7.92E-03	9
Q3UNZ8	Cryzl2	Chromosome 1	Quinone oxidoreductase-like protein 2.	0.999	0.027	9.83E-01	10	1.597	0.153	3.67E-02	10
Q9EPR5	Sorcs2	Chromosome 5	VPS10 domain-containing receptor SorC	0.994	0.031	9.37E-01	7	1.258	0.072	3.83E-02	7
P59114	Pcif1	Chromosome 2	mRNA (2~-O-methyladenosine-N(6)-)-m	0.992	0.024	9.06E-01	7	1.530	0.060	2.34E-03	7
Q91WD8	Slc24a1	Chromosome 9	Sodium/potassium/calcium exchanger 1	0.989	0.036	8.95E-01	7	1.219	0.058	3.23E-02	7
P70302	Stim1	Chromosome 7	Stromal interaction molecule 1	0.964	0.025	4.39E-01	10	1.319	0.054	5.59E-03	10
Q8CGY8	Ogt	Chromosome X	UDP-N-acetylglucosamine--peptide N-ac	0.953	0.015	2.69E-01	7	1.311	0.060	1.22E-02	7
Q4VA53	Pds5b	Chromosome 5	Sister chromatid cohesion protein PDS5	0.947	0.109	7.84E-01	10	1.266	0.071	2.77E-02	10
O08663	Metap2	Chromosome 10	Methionine aminopeptidase 2	0.932	0.011	8.95E-02	7	1.099	0.016	2.19E-02	7
E9PV24	Fga	Chromosome 3	Fibrinogen alpha chain	0.925	0.020	6.07E-02	10	1.064	0.023	9.07E-02	10
P97298	Serpinf1	Chromosome 11	Pigment epithelium-derived factor	0.919	0.015	2.54E-02	10	1.081	0.018	2.52E-02	10
Q9JHJ0	Tmod3	Chromosome 9	Tropomodulin-3	0.910	0.028	7.18E-02	10	1.082	0.014	1.26E-02	10
P61161	Actr2	Chromosome 11	Actin-related protein 2	0.908	0.033	9.31E-02	10	1.116	0.020	8.01E-03	10
P47758	Srprb	Chromosome 9	Signal recognition particle receptor subu	0.908	0.017	4.68E-02	7	1.179	0.047	3.29E-02	7
Q61398	Pcolce	Chromosome 5	Procollagen C-endopeptidase enhancer	0.905	0.022	3.22E-02	10	1.096	0.015	8.21E-03	10
Q8CFI0	Nedd4l	Chromosome 18	E3 ubiquitin-protein ligase NEDD4-like	0.903	0.025	6.88E-02	7	1.143	0.013	5.55E-03	7
Q00623	Apoa1	Chromosome 9	Apolipoprotein A-I	0.893	0.031	4.93E-02	10	1.100	0.040	9.73E-02	10
Q80WW9	Ddrgk1	Chromosome 2	DDRGK domain-containing protein 1	0.889	0.026	4.67E-02	7	1.402	0.059	5.55E-03	7
P29788	Vtn	Chromosome 11	Vitronectin	0.879	0.026	1.95E-02	10	1.120	0.026	1.48E-02	10
P97434	Mprip	Chromosome 11	Myosin phosphatase Rho-interacting pro	0.868	0.036	4.71E-02	7	1.171	0.028	9.53E-03	7
Q62448	Eif4g2	Unplaced	Eukaryotic translation initiation factor 4 g	0.864	0.017	2.91E-03	10	1.110	0.021	1.13E-02	10
P21981	Tgm2	Chromosome 2	Protein-glutamine gamma-glutamyltransf	0.863	0.044	5.48E-02	10	1.334	0.062	7.92E-03	10
Q91X72	Hpx	Chromosome 7	Hemopexin	0.853	0.026	6.06E-03	10	1.191	0.050	2.43E-02	10
Q5XKE0	Mybpc2	Chromosome 7	Myosin-binding protein C, fast-type	0.849	0.039	2.41E-02	10	1.158	0.030	8.32E-03	10
O35367	Kera	Chromosome 10	Keratocan	0.846	0.043	2.83E-02	10	1.185	0.058	4.61E-02	10
Q5FW53	Mybphl	Chromosome 3	Myosin-binding protein H-like	0.834	0.045	2.54E-02	10	1.142	0.029	1.22E-02	10
Q61495	Dsg1a	Chromosome 18	Desmoglein-1-alpha	0.817	0.029	8.95E-03	7	1.375	0.104	4.14E-02	7
P11087	Col1a1	Chromosome 11	Collagen alpha-1(I) chain	0.809	0.035	4.64E-03	10	1.140	0.036	2.41E-02	10
P47739	Aldh3a1	Chromosome 11	Aldehyde dehydrogenase, dimeric NADF	0.805	0.073	6.97E-02	10	1.162	0.113	3.12E-01	10
Q8CHC4	Synj1	Unplaced	Synaptojanin-1	0.803	0.052	2.11E-02	10	1.107	0.046	1.18E-01	10
Q5SX39	Myh4	Chromosome 11	Myosin-4	0.792	0.054	1.95E-02	10	1.316	0.044	2.34E-03	10
P09470	Ace	Chromosome 11	Angiotensin-converting enzyme	0.787	0.058	2.21E-02	10	1.237	0.034	2.39E-03	10
P07309	Ttr	Chromosome 18	Transthyretin	0.775	0.070	3.34E-02	10	1.220	0.069	4.82E-02	10
Q9CQ02	Commd4	Chromosome 9	COMM domain-containing protein 4.	0.773	0.085	6.97E-02	7	1.019	0.017	5.79E-01	7
P02468	Lamc1	Unplaced	Laminin subunit gamma-1	0.768	0.073	3.97E-02	7	1.141	0.083	2.21E-01	7
P32848	Pvalb	Chromosome 15	Parvalbumin alpha	0.757	0.096	7.19E-02	10	1.129	0.092	3.18E-01	10
P07759	Serpina3k	Unplaced	Serine protease inhibitor A3K	0.755	0.048	4.36E-03	10	1.329	0.056	5.59E-03	10
P07758	Serpina1a	Chromosome 12	Alpha-1-antitrypsin 1-1	0.682	0.066	4.09E-03	10	1.266	0.056	1.23E-02	10
P28665	Mug1	Chromosome 6	Murinoglobulin-1	0.635	0.100	1.63E-02	10	1.009	0.050	9.12E-01	10
Q00898	Serpina1e	Chromosome 12	Alpha-1-antitrypsin 1-5	0.401	0.147	2.69E-03	10	1.766	0.066	2.40E-04	10

Table 2: Differentially Expressed Proteins in Mouse RPE