

Table 1
Potential Proteomic Gender Differences in Mouse Retina

UniProt Accession	Gene Name	Chromosome	Protein	Linear Ratio Female/Male Pool (n=2987 proteins)	SEM	adjusted p Value	Sample Frequency	Linear Ratio Male/Female Pool (n=2723 proteins)	SEM	adjusted p Value	Sample Frequency
Q9CQ08	Lsm7	Chromosome 10	U6 snRNA-associated Sm-like protein L1	1.256	0.055	1.74E-02	10	0.954	0.048	4.86E-01	10
P30115	Gsta3	Chromosome 1	Glutathione S-transferase A3	1.185	0.035	1.58E-02	7	0.840	0.130	3.17E-01	7
Q8R1F6	Hid1	Chromosome 11	Protein HID1	1.146	0.047	7.06E-02	7	0.834	0.043	2.33E-02	7
P07724	Alb	Chromosome 5	Albumin	1.118	0.044	9.25E-02	10	0.886	0.017	4.07E-03	10
Q80UW2	Fbxo2	Chromosome 4	F-box only protein 2	1.117	0.035	5.22E-02	10	0.959	0.014	9.19E-02	10
Q8VDQ1	Ptgr2	Chromosome 12	Prostaglandin reductase 2	1.116	0.041	8.46E-02	7	0.935	0.010	2.65E-02	7
P17563	Selenbp1	Chromosome 3	Methanethiol oxidase	1.106	0.007	2.00E-03	10	0.931	0.013	1.43E-02	10
Q3V3R1	Mthfd1l	Chromosome 10	Monofunctional C1-tetrahydrofolate synthetase	1.099	0.019	1.53E-02	10	0.946	0.017	6.13E-02	10
P01942	Hba	Unplaced	Hemoglobin subunit alpha	1.088	0.047	2.05E-01	10	0.816	0.027	3.06E-03	10
Q6P5C5	Smug1	Chromosome 15	Single-strand selective monofunctional uracil-DNA glycosylase	1.088	0.023	3.76E-02	10	0.917	0.035	8.86E-02	10
Q6Q477	Atp2b4	Chromosome 1	Plasma membrane calcium-transporting ATPase 2B4	1.086	0.021	3.38E-02	10	0.925	0.011	6.64E-03	10
Q3UGP8	Alg10b	Chromosome 15	Putative Dol-P-Glc:Glc(2)Man(9)GlcNAc6S transferase	1.085	0.027	6.68E-02	10	0.852	0.057	6.21E-02	10
Q8BIW1	Prune1	Chromosome 3	Exopolyphosphatase PRUNE1	1.076	0.026	9.69E-02	7	0.851	0.024	6.64E-03	7
Q9Z2N8	Actl6a	Chromosome 3	Actin-like protein 6A	1.067	0.025	9.86E-02	10	0.910	0.027	3.51E-02	10
Q921H8	Acaa1a	Chromosome 9	3-ketoacyl-CoA thiolase A, peroxisomal	1.067	0.021	6.95E-02	10	0.917	0.013	6.64E-03	10
Q62383	Supt6h	Chromosome 11	Transcription elongation factor SPT6	1.067	0.015	3.27E-02	10	0.901	0.026	2.33E-02	10
Q8R1W8	Impg1	Chromosome 9	Interphotoreceptor matrix proteoglycan 1	1.064	0.021	8.12E-02	10	0.944	0.013	3.17E-02	10
Q8R2R9	Ap3m2	Chromosome 8	AP-3 complex subunit mu-2	1.058	0.017	6.25E-02	10	0.962	0.013	9.59E-02	10
Q9JJK2	Lancl2	Chromosome 6	LanC-like protein 2	1.039	0.012	9.18E-02	10	0.959	0.005	2.55E-02	10
Q80X95	Rraga	Chromosome 4	Ras-related GTP-binding protein A	1.028	0.021	4.21E-01	7	0.848	0.037	2.04E-02	7
O70591	Pfdn2	Chromosome 1	Prefoldin subunit 2	1.009	0.013	7.26E-01	10	0.862	0.039	2.60E-02	10
Q9CQ71	Rpa3	Chromosome 6	Replication protein A 14 kDa subunit	0.987	0.035	8.20E-01	10	1.168	0.046	3.45E-02	10
Q60714	Slc27a1	Chromosome 8	Long-chain fatty acid transport protein 1	0.955	0.014	7.86E-02	10	1.060	0.012	2.60E-02	10
Q8VCM8	Ncln	Chromosome 10	Nicalin	0.952	0.013	5.98E-02	10	1.066	0.017	3.45E-02	10
Q80X80	C2cd2l	Chromosome 9	Phospholipid transfer protein C2CD2L	0.946	0.015	5.33E-02	10	1.150	0.025	6.85E-03	10
Q8CF17	Polr2b	Chromosome 5	DNA-directed RNA polymerase II subunit beta	0.939	0.015	3.59E-02	10	1.204	0.050	2.63E-02	10
P29595	Nedd8	Chromosome 14	NEDD8	0.927	0.024	5.91E-02	10	1.049	0.014	6.05E-02	10
Q9EPK7	Xpo7	Chromosome 14	Exportin-7	0.917	0.033	9.09E-02	10	1.167	0.040	2.33E-02	10
Q9Z0H4	Cellf2	Chromosome 2	CUGBP Elav-like family member 2	0.914	0.032	7.53E-02	10	1.086	0.027	5.73E-02	10
Q61024	Asns	Chromosome 6	Asparagine synthetase [glutamine-hydrolyzing]	0.905	0.026	4.13E-02	7	1.127	0.043	7.11E-02	7
Q99M31	Hspa14	Chromosome 2	Heat shock 70 kDa protein 14	0.865	0.037	3.37E-02	7	1.023	0.052	7.66E-01	7
Q8QZZ7	Tprkb	Chromosome 6	EKC/KEOPS complex subunit Tprkb	0.862	0.058	9.12E-02	8	1.154	0.034	2.53E-02	7
Q8BTY1	Kyat1	Chromosome 2	Kynurenine--oxoglutarate transaminase	0.841	0.045	3.41E-02	7	1.040	0.036	4.51E-01	7
Q78JE5	Fbxo22	Chromosome 9	F-box only protein 22	0.838	0.031	6.58E-03	10	1.083	0.025	4.83E-02	10
Q9DBG7	Srpri	Chromosome 9	Signal recognition particle receptor subunit alpha	0.826	0.020	2.87E-03	7	1.042	0.021	2.34E-01	7
P13542	Myh8	Chromosome 11	Myosin-8	0.795	0.084	7.55E-02	7	1.116	0.168	6.33E-01	7
Q9QX60	Dguok	Chromosome 6	Deoxyguanosine kinase, mitochondrial	0.790	0.031	5.07E-03	7	1.048	0.026	2.37E-01	7
P02535	Krt10	Unplaced	Keratin, type I cytoskeletal 10	0.663	0.103	1.93E-02	10	1.130	0.062	1.65E-01	10
Q8R429	Atp2a1	Chromosome 7	Sarcoplasmic/endoplasmic reticulum calcium ATPase 2A1	0.578	0.114	1.05E-02	10	1.255	0.200	4.08E-01	10

Table 1: Differentially Expressed Proteins in Mouse Retina