

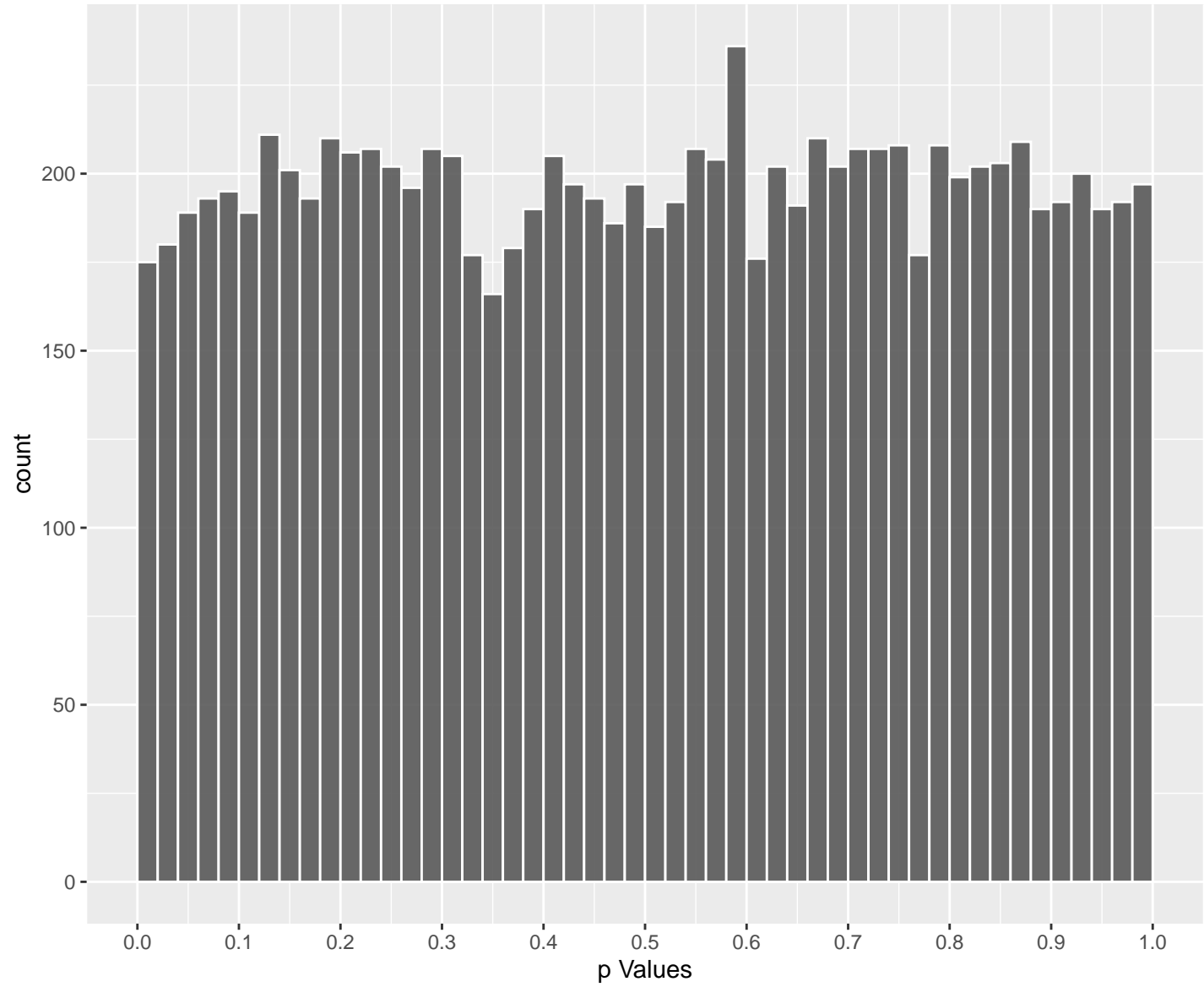
Top genes by P-value non-permulated

Gene	Rho	N	P	p.adj	qValueNoperm
A1BG	-0.111644190	123	2.189e-01	9.991e-01	9.999e-01
A1CF	-0.024569127	128	7.831e-01	9.991e-01	9.999e-01
A2M	-0.160699562	169	3.687e-02	9.991e-01	9.999e-01
A2ML1	0.052890311	134	5.439e-01	9.991e-01	9.999e-01
A3GALT2	0.013537910	132	8.776e-01	9.991e-01	9.999e-01
A4GALT	-0.065096551	154	4.225e-01	9.991e-01	9.999e-01
A4GNT	0.054749291	151	5.043e-01	9.991e-01	9.999e-01
AAAS	-0.007388264	132	9.330e-01	9.991e-01	9.999e-01
AACS	0.019104271	156	8.129e-01	9.991e-01	9.999e-01
AADAC	-0.065142431	107	5.050e-01	9.991e-01	9.999e-01
AADACL2	0.019040428	120	8.365e-01	9.991e-01	9.999e-01
AADACL3	0.024884968	158	7.563e-01	9.991e-01	9.999e-01
AADACL4	-0.023590944	141	7.813e-01	9.991e-01	9.999e-01
AADAT	-0.058886959	152	4.711e-01	9.991e-01	9.999e-01
AAGAB	-0.010550651	136	9.030e-01	9.991e-01	9.999e-01
AAK1	0.140113651	145	9.278e-02	9.991e-01	9.999e-01
AAMDC	0.138093817	88	1.995e-01	9.991e-01	9.999e-01
AAMP	0.242451740	95	1.792e-02	9.991e-01	9.999e-01
AANAT	-0.106992984	138	2.117e-01	9.991e-01	9.999e-01
AAR2	0.188222061	133	3.004e-02	9.991e-01	9.999e-01
AARD	-0.111535350	105	2.573e-01	9.991e-01	9.999e-01
AARS1	-0.068495717	145	4.130e-01	9.991e-01	9.999e-01
AARS2	-0.031408831	165	6.888e-01	9.991e-01	9.999e-01
AARSD1	0.007615327	145	9.276e-01	9.991e-01	9.999e-01
AASDH	0.090375908	165	2.483e-01	9.991e-01	9.999e-01

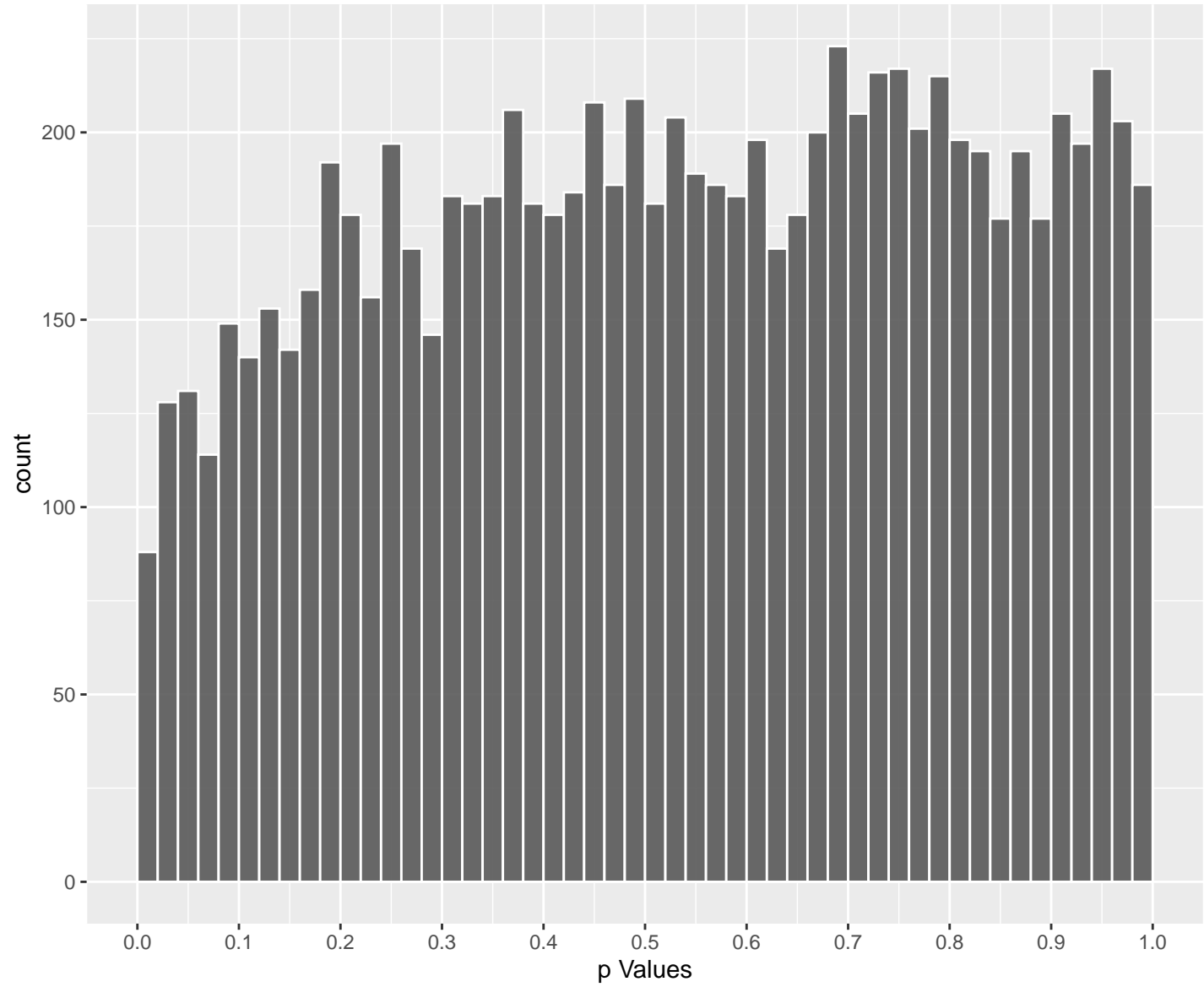
Top genes by Q-Value non-permulated

Gene	Rho	N	P	p.adj	qValueNoperm
A1BG	-0.111644190	123	2.189e-01	9.991e-01	9.999e-01
A1CF	-0.024569127	128	7.831e-01	9.991e-01	9.999e-01
A2M	-0.160699562	169	3.687e-02	9.991e-01	9.999e-01
A2ML1	0.052890311	134	5.439e-01	9.991e-01	9.999e-01
A3GALT2	0.013537910	132	8.776e-01	9.991e-01	9.999e-01
A4GALT	-0.065096551	154	4.225e-01	9.991e-01	9.999e-01
A4GNT	0.054749291	151	5.043e-01	9.991e-01	9.999e-01
AAAS	-0.007388264	132	9.330e-01	9.991e-01	9.999e-01
AACS	0.019104271	156	8.129e-01	9.991e-01	9.999e-01
AADAC	-0.065142431	107	5.050e-01	9.991e-01	9.999e-01
AADACL2	0.019040428	120	8.365e-01	9.991e-01	9.999e-01
AADACL3	0.024884968	158	7.563e-01	9.991e-01	9.999e-01
AADACL4	-0.023590944	141	7.813e-01	9.991e-01	9.999e-01
AADAT	-0.058886959	152	4.711e-01	9.991e-01	9.999e-01
AAGAB	-0.010550651	136	9.030e-01	9.991e-01	9.999e-01
AAK1	0.140113651	145	9.278e-02	9.991e-01	9.999e-01
AAMDC	0.138093817	88	1.995e-01	9.991e-01	9.999e-01
AAMP	0.242451740	95	1.792e-02	9.991e-01	9.999e-01
AANAT	-0.106992984	138	2.117e-01	9.991e-01	9.999e-01
AAR2	0.188222061	133	3.004e-02	9.991e-01	9.999e-01
AARD	-0.111535350	105	2.573e-01	9.991e-01	9.999e-01
AARS1	-0.068495717	145	4.130e-01	9.991e-01	9.999e-01
AARS2	-0.031408831	165	6.888e-01	9.991e-01	9.999e-01
AARSD1	0.007615327	145	9.276e-01	9.991e-01	9.999e-01
AASDH	0.090375908	165	2.483e-01	9.991e-01	9.999e-01

Positive Rho Non-permulated



Negative Rho Non-permulated



Top Positive genes by P-value non-permulated

Gene	Rho	N	P	p.adj	qValueNoperm
A2ML1	0.05289031	134	5.439e-01	9.991e-01	9.999e-01
A3GALT2	0.01353791	132	8.776e-01	9.991e-01	9.999e-01
A4GNT	0.05474929	151	5.043e-01	9.991e-01	9.999e-01
AACS	0.01910427	156	8.129e-01	9.991e-01	9.999e-01
AADACL2	0.01904043	120	8.365e-01	9.991e-01	9.999e-01
AADACL3	0.02488497	158	7.563e-01	9.991e-01	9.999e-01
AAK1	0.14011365	145	9.278e-02	9.991e-01	9.999e-01
AAMDC	0.13809382	88	1.995e-01	9.991e-01	9.999e-01
AAMP	0.24245174	95	1.792e-02	9.991e-01	9.999e-01
AAR2	0.18822206	133	3.004e-02	9.991e-01	9.999e-01

Top Negative genes by P-value non-permulated

Gene	Rho	N	P	p.adj	qValueNoperm
A1BG	-0.111644190	123	2.189e-01	9.991e-01	9.999e-01
A1CF	-0.024569127	128	7.831e-01	9.991e-01	9.999e-01
A2M	-0.160699562	169	3.687e-02	9.991e-01	9.999e-01
A4GALT	-0.065096551	154	4.225e-01	9.991e-01	9.999e-01
AAAS	-0.007388264	132	9.330e-01	9.991e-01	9.999e-01
AADAC	-0.065142431	107	5.050e-01	9.991e-01	9.999e-01
AADACL4	-0.023590944	141	7.813e-01	9.991e-01	9.999e-01
AADAT	-0.058886959	152	4.711e-01	9.991e-01	9.999e-01
AAGAB	-0.010550651	136	9.030e-01	9.991e-01	9.999e-01
AANAT	-0.106992984	138	2.117e-01	9.991e-01	9.999e-01