

Top genes by P-value Permulated

Gene	Rho	N	P	p.adj	permPValue	qValueNoperm	qValuePerm
PTCD1	0.2793375	164	2.920e-04	9.991e-01	2.171e-03	9.999e-01	1.000e+00
LINC00514	0.2827197	123	1.533e-03	9.991e-01	2.628e-03	9.999e-01	1.000e+00
ATP5MF-PTCD1	0.2885243	159	2.258e-04	9.991e-01	2.857e-03	9.999e-01	1.000e+00
MCC	0.3098003	140	1.955e-04	9.991e-01	2.971e-03	9.999e-01	1.000e+00
MFAP5	-0.2836989	124	1.408e-03	9.991e-01	3.657e-03	9.999e-01	1.000e+00
CADPS	0.3775398	86	3.390e-04	9.991e-01	3.885e-03	9.999e-01	1.000e+00
KRTAP10-1	0.1987248	135	2.086e-02	9.991e-01	4.228e-03	9.999e-01	1.000e+00
TCAIM	-0.2925997	144	3.725e-04	9.991e-01	5.028e-03	9.999e-01	1.000e+00
GCM1	-0.2582119	147	1.590e-03	9.991e-01	5.599e-03	9.999e-01	1.000e+00
CYP2W1	-0.2339658	140	5.399e-03	9.991e-01	6.171e-03	9.999e-01	1.000e+00
SPRR2B	0.3210103	79	3.921e-03	9.991e-01	7.428e-03	9.999e-01	1.000e+00
ABL2	0.2656947	143	1.340e-03	9.991e-01	7.656e-03	9.999e-01	1.000e+00
GAS2L3	-0.2216252	162	4.592e-03	9.991e-01	7.656e-03	9.999e-01	1.000e+00
CLIP1	0.2715619	165	4.182e-04	9.991e-01	8.685e-03	9.999e-01	1.000e+00
ZC3H13	-0.2394264	158	2.447e-03	9.991e-01	8.799e-03	9.999e-01	1.000e+00
SCFD2	0.2397081	158	2.417e-03	9.991e-01	8.913e-03	9.999e-01	1.000e+00
KCNH3	0.2397794	144	3.796e-03	9.991e-01	9.028e-03	9.999e-01	1.000e+00
DPM1	0.2662007	129	2.294e-03	9.991e-01	9.370e-03	9.999e-01	1.000e+00
KIF15	-0.1857470	159	1.907e-02	9.991e-01	1.006e-02	9.999e-01	1.000e+00
OTUD7B	0.2699077	133	1.679e-03	9.991e-01	1.017e-02	9.999e-01	1.000e+00
RINL	0.2066348	155	9.890e-03	9.991e-01	1.028e-02	9.999e-01	1.000e+00
KRTAP4-12	0.2708312	94	8.285e-03	9.991e-01	1.051e-02	9.999e-01	1.000e+00
SLC22A8	-0.1881628	148	2.201e-02	9.991e-01	1.063e-02	9.999e-01	1.000e+00
TEX10	-0.2230786	136	9.041e-03	9.991e-01	1.086e-02	9.999e-01	1.000e+00
CIT	0.2523954	154	1.589e-03	9.991e-01	1.097e-02	9.999e-01	1.000e+00

Top genes by P-value non-permulated

Gene	Rho	N	P	p.adj	permPValue	qValueNoperm	qValuePerm
A1BG	-0.111644190	123	2.189e-01	9.991e-01	1.986e-01	9.999e-01	1.000e+00
A1CF	-0.024569127	128	7.831e-01	9.991e-01	7.988e-01	9.999e-01	1.000e+00
A2M	-0.160699562	169	3.687e-02	9.991e-01	6.502e-02	9.999e-01	1.000e+00
A2ML1	0.052890311	134	5.439e-01	9.991e-01	4.221e-01	9.999e-01	1.000e+00
A3GALT2	0.013537910	132	8.776e-01	9.991e-01	8.713e-01	9.999e-01	1.000e+00
A4GALT	-0.065096551	154	4.225e-01	9.991e-01	4.917e-01	9.999e-01	1.000e+00
A4GNT	0.054749291	151	5.043e-01	9.991e-01	4.707e-01	9.999e-01	1.000e+00
AAAS	-0.007388264	132	9.330e-01	9.991e-01	9.663e-01	9.999e-01	1.000e+00
AACS	0.019104271	156	8.129e-01	9.991e-01	7.752e-01	9.999e-01	1.000e+00
AADAC	-0.065142431	107	5.050e-01	9.991e-01	5.055e-01	9.999e-01	1.000e+00
AADACL2	0.019040428	120	8.365e-01	9.991e-01	7.951e-01	9.999e-01	1.000e+00
AADACL3	0.024884968	158	7.563e-01	9.991e-01	7.273e-01	9.999e-01	1.000e+00
AADACL4	-0.023590944	141	7.813e-01	9.991e-01	8.335e-01	9.999e-01	1.000e+00
AADAT	-0.058886959	152	4.711e-01	9.991e-01	5.047e-01	9.999e-01	1.000e+00
AAGAB	-0.010550651	136	9.030e-01	9.991e-01	9.834e-01	9.999e-01	1.000e+00
AAK1	0.140113651	145	9.278e-02	9.991e-01	2.111e-01	9.999e-01	1.000e+00
AAMDC	0.138093817	88	1.995e-01	9.991e-01	3.761e-01	9.999e-01	1.000e+00
AAMP	0.242451740	95	1.792e-02	9.991e-01	9.702e-02	9.999e-01	1.000e+00
AANAT	-0.106992984	138	2.117e-01	9.991e-01	3.568e-01	9.999e-01	1.000e+00
AAR2	0.188222061	133	3.004e-02	9.991e-01	4.217e-02	9.999e-01	1.000e+00
AARD	-0.111535350	105	2.573e-01	9.991e-01	5.427e-01	9.999e-01	1.000e+00
AARS1	-0.068495717	145	4.130e-01	9.991e-01	5.875e-01	9.999e-01	1.000e+00
AARS2	-0.031408831	165	6.888e-01	9.991e-01	6.514e-01	9.999e-01	1.000e+00
AARSD1	0.007615327	145	9.276e-01	9.991e-01	9.879e-01	9.999e-01	1.000e+00
AASDH	0.090375908	165	2.483e-01	9.991e-01	3.356e-01	9.999e-01	1.000e+00

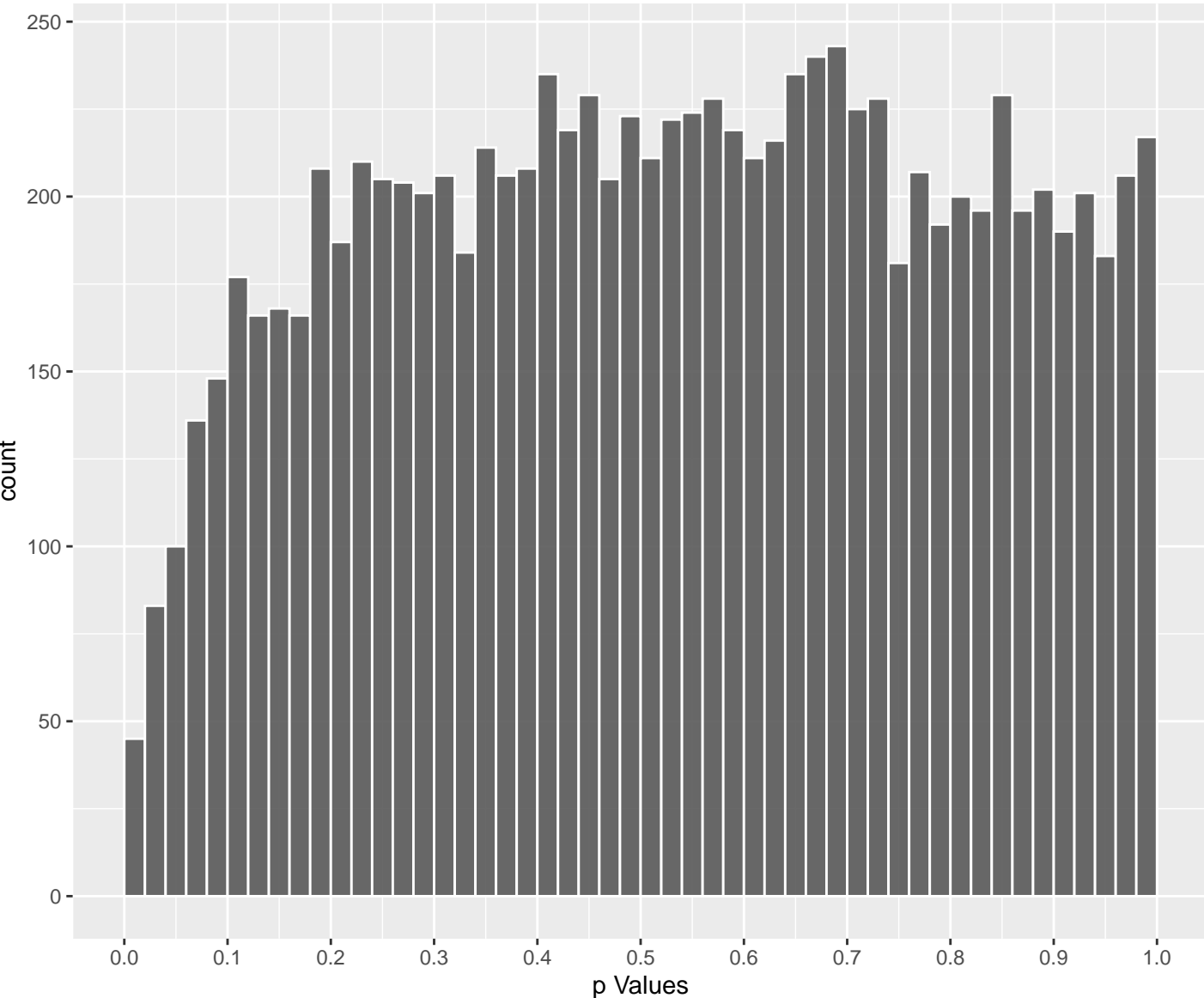
Top genes by Q-Value Permulated

Gene	Rho	N	P	p.adj	permPValue	qValueNoperm	qValuePerm
A1BG	-0.111644190	123	2.189e-01	9.991e-01	1.986e-01	9.999e-01	1.000e+00
A1CF	-0.024569127	128	7.831e-01	9.991e-01	7.988e-01	9.999e-01	1.000e+00
A2M	-0.160699562	169	3.687e-02	9.991e-01	6.502e-02	9.999e-01	1.000e+00
A2ML1	0.052890311	134	5.439e-01	9.991e-01	4.221e-01	9.999e-01	1.000e+00
A3GALT2	0.013537910	132	8.776e-01	9.991e-01	8.713e-01	9.999e-01	1.000e+00
A4GALT	-0.065096551	154	4.225e-01	9.991e-01	4.917e-01	9.999e-01	1.000e+00
A4GNT	0.054749291	151	5.043e-01	9.991e-01	4.707e-01	9.999e-01	1.000e+00
AAAS	-0.007388264	132	9.330e-01	9.991e-01	9.663e-01	9.999e-01	1.000e+00
AACS	0.019104271	156	8.129e-01	9.991e-01	7.752e-01	9.999e-01	1.000e+00
AADAC	-0.065142431	107	5.050e-01	9.991e-01	5.055e-01	9.999e-01	1.000e+00
AADACL2	0.019040428	120	8.365e-01	9.991e-01	7.951e-01	9.999e-01	1.000e+00
AADACL3	0.024884968	158	7.563e-01	9.991e-01	7.273e-01	9.999e-01	1.000e+00
AADACL4	-0.023590944	141	7.813e-01	9.991e-01	8.335e-01	9.999e-01	1.000e+00
AADAT	-0.058886959	152	4.711e-01	9.991e-01	5.047e-01	9.999e-01	1.000e+00
AAGAB	-0.010550651	136	9.030e-01	9.991e-01	9.834e-01	9.999e-01	1.000e+00
AAK1	0.140113651	145	9.278e-02	9.991e-01	2.111e-01	9.999e-01	1.000e+00
AAMDC	0.138093817	88	1.995e-01	9.991e-01	3.761e-01	9.999e-01	1.000e+00
AAMP	0.242451740	95	1.792e-02	9.991e-01	9.702e-02	9.999e-01	1.000e+00
AANAT	-0.106992984	138	2.117e-01	9.991e-01	3.568e-01	9.999e-01	1.000e+00
AAR2	0.188222061	133	3.004e-02	9.991e-01	4.217e-02	9.999e-01	1.000e+00
AARD	-0.111535350	105	2.573e-01	9.991e-01	5.427e-01	9.999e-01	1.000e+00
AARS1	-0.068495717	145	4.130e-01	9.991e-01	5.875e-01	9.999e-01	1.000e+00
AARS2	-0.031408831	165	6.888e-01	9.991e-01	6.514e-01	9.999e-01	1.000e+00
AARSD1	0.007615327	145	9.276e-01	9.991e-01	9.879e-01	9.999e-01	1.000e+00
AASDH	0.090375908	165	2.483e-01	9.991e-01	3.356e-01	9.999e-01	1.000e+00

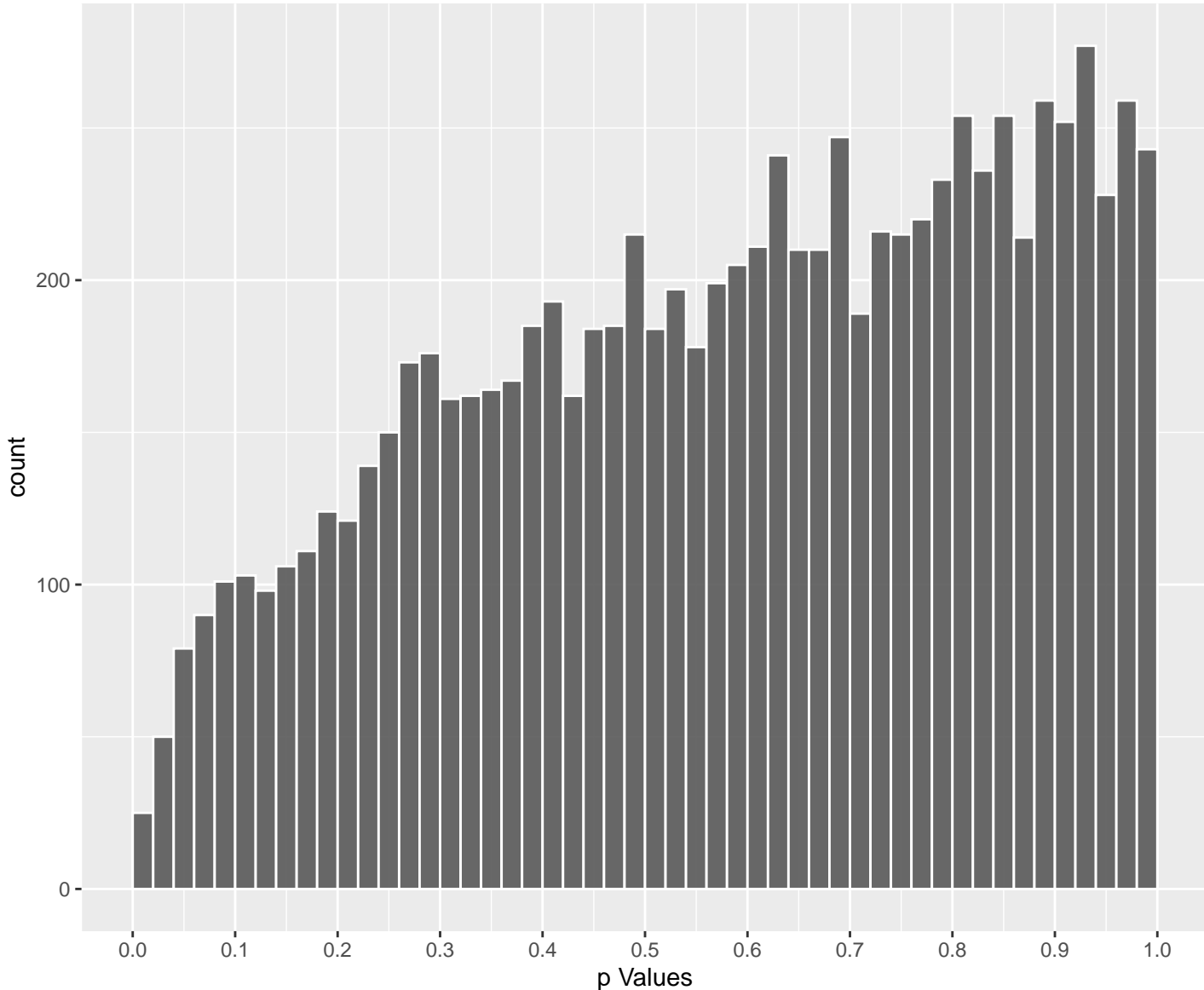
Top genes by Q-Value non-permulated

Gene	Rho	N	P	p.adj	permPValue	qValueNoperm	qValuePerm
A1BG	-0.111644190	123	2.189e-01	9.991e-01	1.986e-01	9.999e-01	1.000e+00
A1CF	-0.024569127	128	7.831e-01	9.991e-01	7.988e-01	9.999e-01	1.000e+00
A2M	-0.160699562	169	3.687e-02	9.991e-01	6.502e-02	9.999e-01	1.000e+00
A2ML1	0.052890311	134	5.439e-01	9.991e-01	4.221e-01	9.999e-01	1.000e+00
A3GALT2	0.013537910	132	8.776e-01	9.991e-01	8.713e-01	9.999e-01	1.000e+00
A4GALT	-0.065096551	154	4.225e-01	9.991e-01	4.917e-01	9.999e-01	1.000e+00
A4GNT	0.054749291	151	5.043e-01	9.991e-01	4.707e-01	9.999e-01	1.000e+00
AAAS	-0.007388264	132	9.330e-01	9.991e-01	9.663e-01	9.999e-01	1.000e+00
AACS	0.019104271	156	8.129e-01	9.991e-01	7.752e-01	9.999e-01	1.000e+00
AADAC	-0.065142431	107	5.050e-01	9.991e-01	5.055e-01	9.999e-01	1.000e+00
AADACL2	0.019040428	120	8.365e-01	9.991e-01	7.951e-01	9.999e-01	1.000e+00
AADACL3	0.024884968	158	7.563e-01	9.991e-01	7.273e-01	9.999e-01	1.000e+00
AADACL4	-0.023590944	141	7.813e-01	9.991e-01	8.335e-01	9.999e-01	1.000e+00
AADAT	-0.058886959	152	4.711e-01	9.991e-01	5.047e-01	9.999e-01	1.000e+00
AAGAB	-0.010550651	136	9.030e-01	9.991e-01	9.834e-01	9.999e-01	1.000e+00
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AANAT	-0.106992984	138	2.117e-01	9.991e-01	3.568e-01	9.999e-01	1.000e+00
AAR2	0.188222061	133	3.004e-02	9.991e-01	4.217e-02	9.999e-01	1.000e+00
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AARS1	-0.068495717	145	4.130e-01	9.991e-01	5.875e-01	9.999e-01	1.000e+00
AARS2	-0.031408831	165	6.888e-01	9.991e-01	6.514e-01	9.999e-01	1.000e+00
AARSD1	0.007615327	145	9.276e-01	9.991e-01	9.879e-01	9.999e-01	1.000e+00
AASDH	0.090375908	165	2.483e-01	9.991e-01	3.356e-01	9.999e-01	1.000e+00

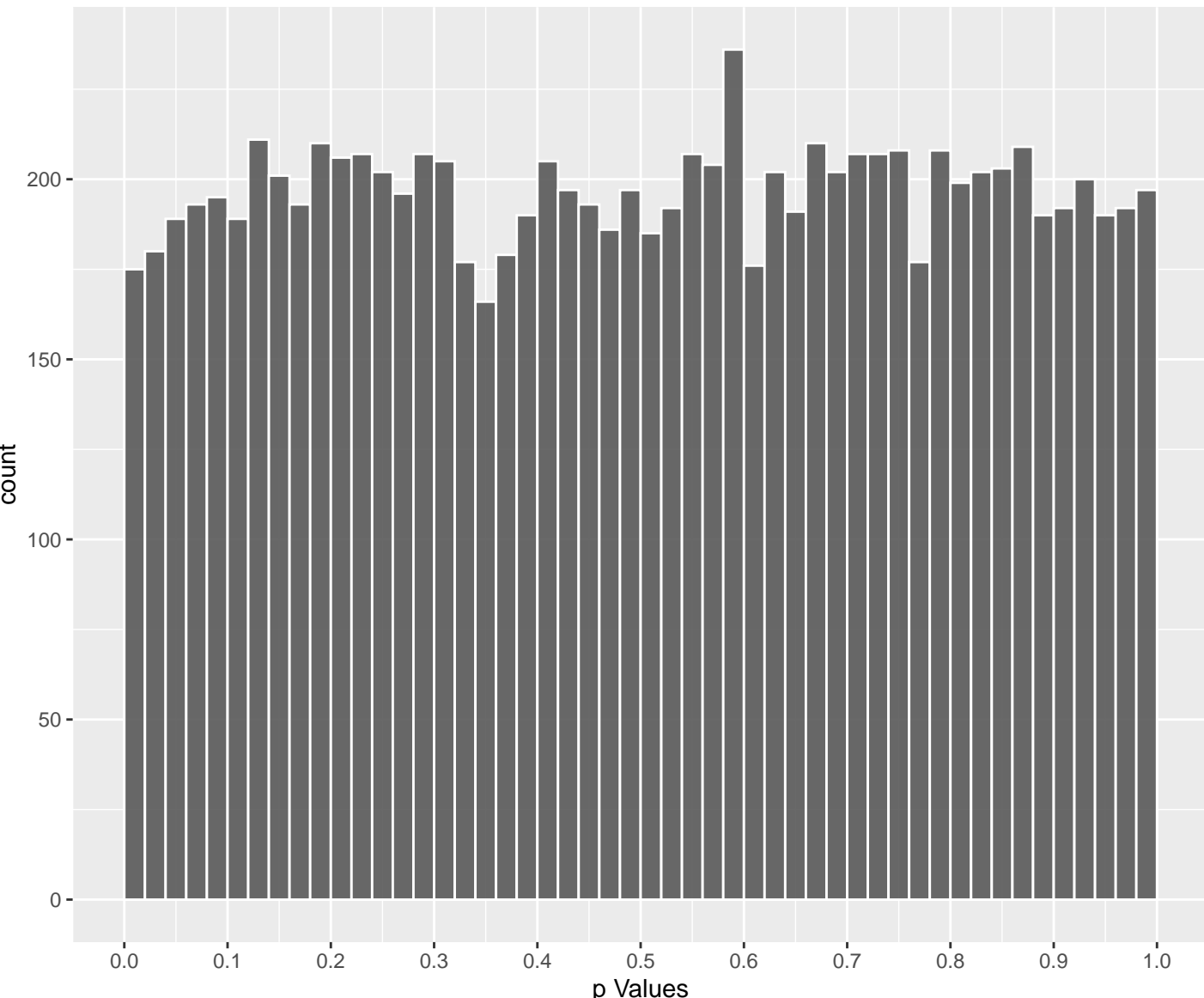
Positive Rho Permulated



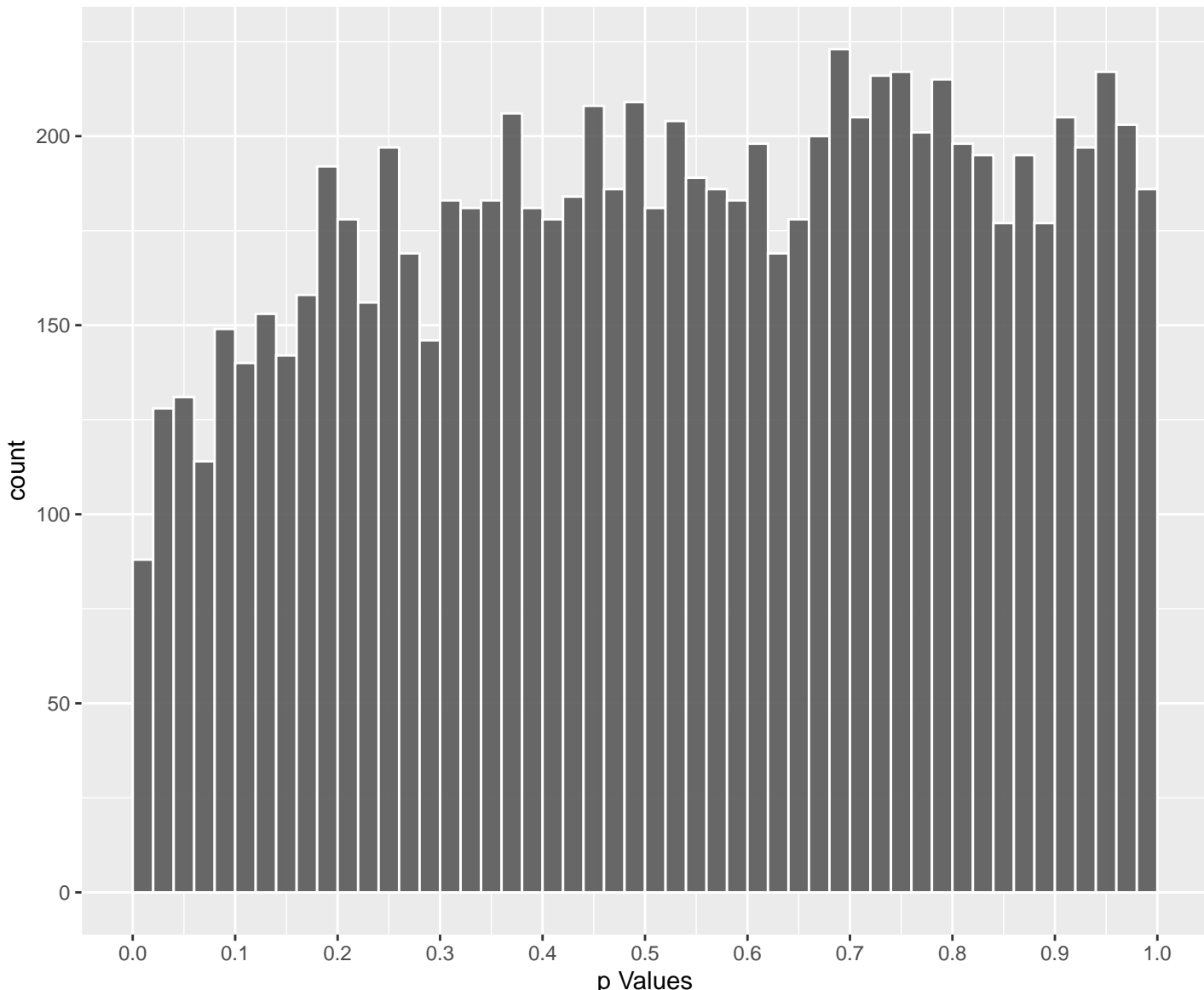
Negative Rho Permulated



Positive Rho Non-permulated



Negative Rho Non-permulated



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