

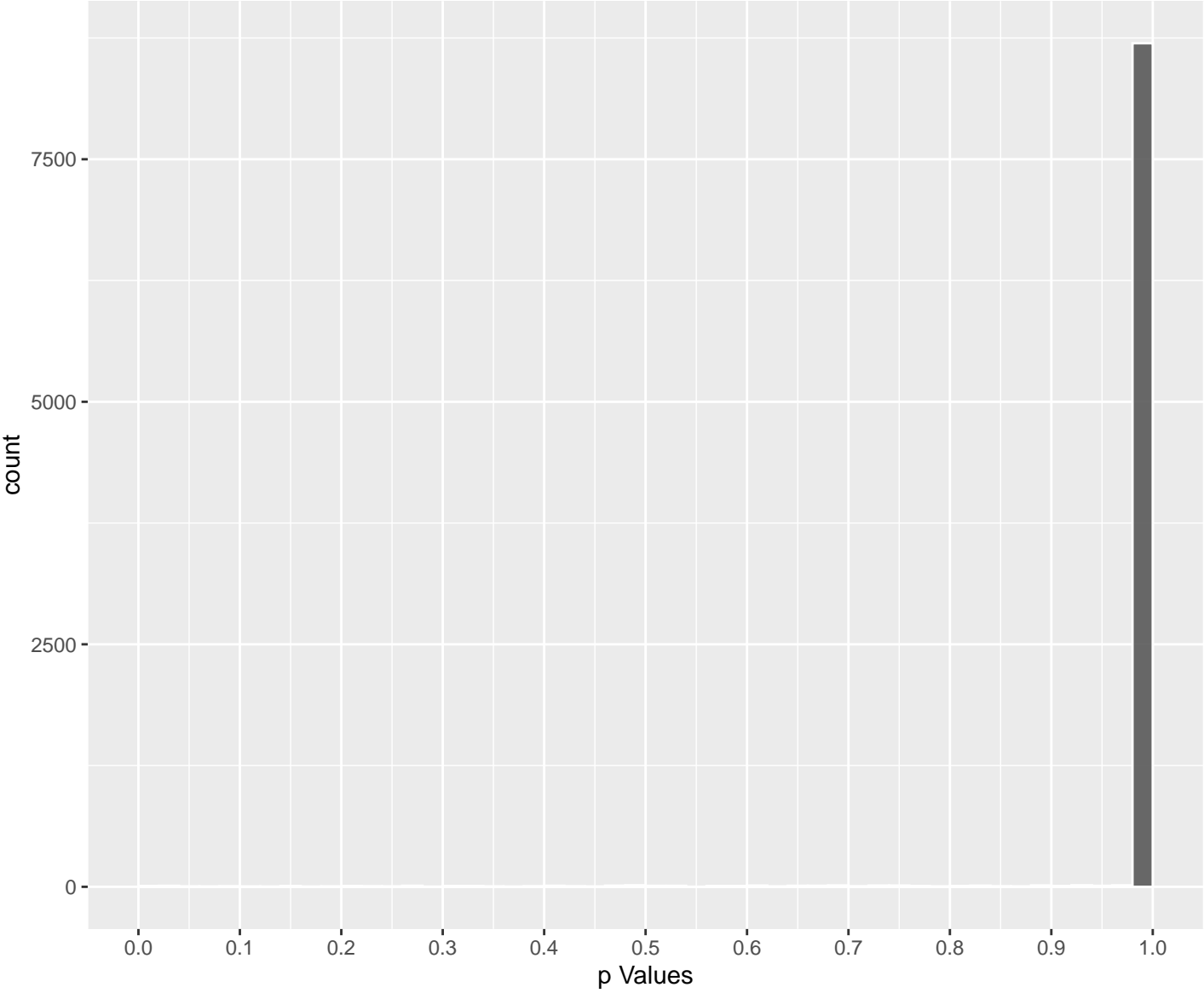
Top genes by P-value non-permulated

Gene	Rho	P	p.adj	qValueNoperm
ADGRG4	5.725569	6.185247e-08	1.145e-03	1.000e+00
HERC2	-5.570352	1.525347e-07	1.411e-03	1.000e+00
PRUNE2	5.380542	4.455709e-07	2.748e-03	1.000e+00
JCAD	5.087061	2.181930e-06	8.183e-03	1.000e+00
ZZEF1	5.084550	2.210996e-06	8.183e-03	1.000e+00
ZFP3	5.020676	3.089404e-06	9.528e-03	1.000e+00
ARHGEF6	4.947157	4.518309e-06	1.099e-02	1.000e+00
GABRA5	-4.937429	4.749554e-06	1.099e-02	1.000e+00
DCUN1D2	4.802543	9.399798e-06	1.485e-02	1.000e+00
MET	-4.797737	9.628084e-06	1.485e-02	1.000e+00
RBM6	-4.818171	8.692799e-06	1.485e-02	1.000e+00
TMEM108	-4.809224	9.091034e-06	1.485e-02	1.000e+00
SLC2A7	4.760449	1.158975e-05	1.532e-02	1.000e+00
ZNF134	-4.768790	1.112014e-05	1.532e-02	1.000e+00
NUP133	-4.729633	1.349555e-05	1.665e-02	1.000e+00
ADAMTS6	-4.688741	1.649350e-05	1.696e-02	1.000e+00
CEP250	4.690691	1.633701e-05	1.696e-02	1.000e+00
CNGB3	-4.689442	1.643710e-05	1.696e-02	1.000e+00
CRISP1	-4.636898	2.122059e-05	2.067e-02	1.000e+00
ACAD10	4.607981	2.439582e-05	2.150e-02	1.000e+00
GLMP	4.614080	2.369039e-05	2.150e-02	1.000e+00
SCN9A	-4.593226	2.618678e-05	2.203e-02	1.000e+00
ZBTB41	-4.576972	2.830523e-05	2.277e-02	1.000e+00
TMEM187	4.553255	3.169330e-05	2.444e-02	1.000e+00
APOA1	-4.534140	3.470311e-05	2.569e-02	1.000e+00

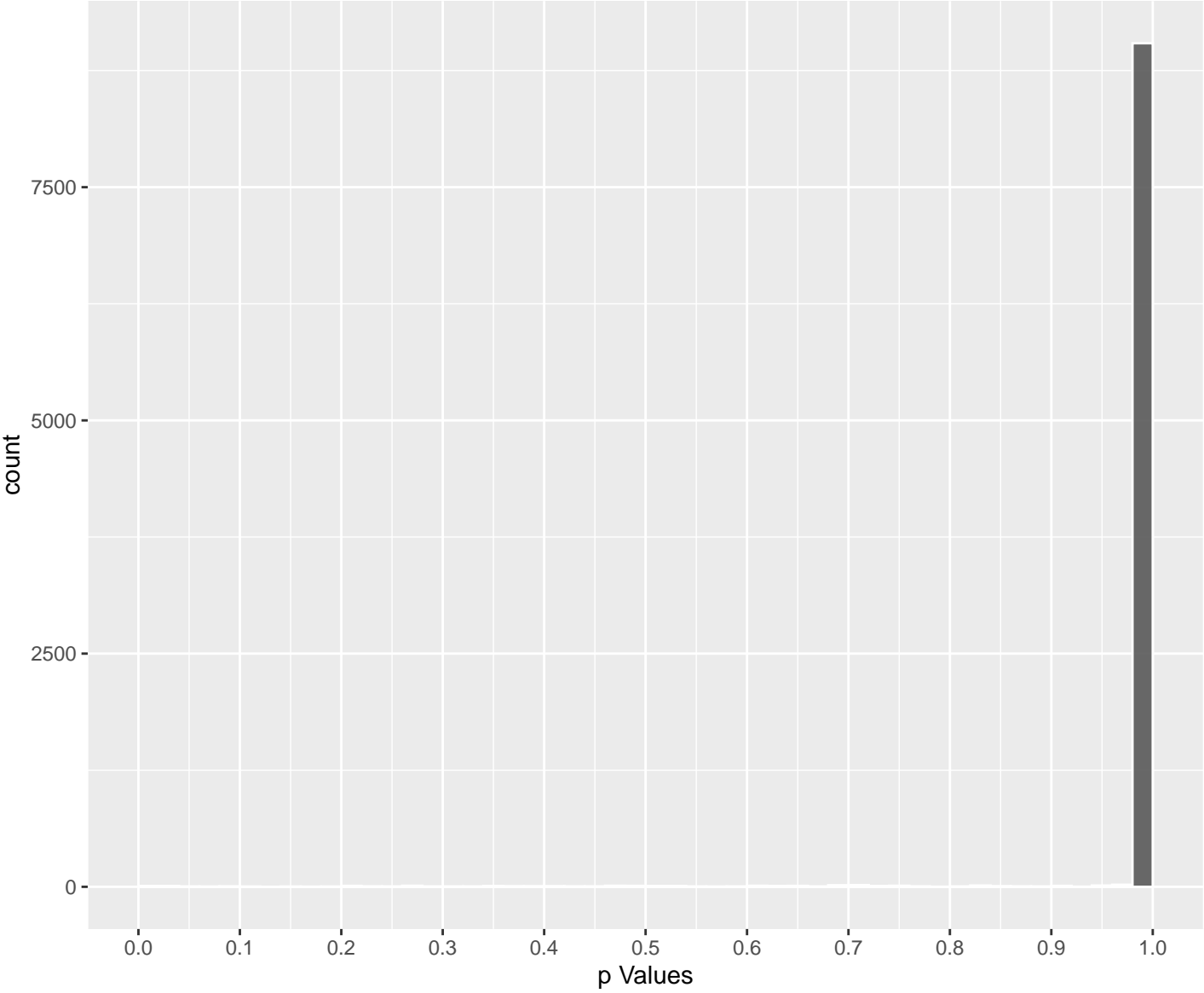
Top genes by Q-Value non-permulated

Gene	Rho	P	p.adj	qValueNoperm
A1BG	-1.25988679	1.0000000000	1.000e+00	1.000e+00
A1CF	-0.17637267	1.0000000000	1.000e+00	1.000e+00
A2M	1.84464334	0.3905366274	1.000e+00	1.000e+00
A2ML1	3.90733414	0.0005599204	1.400e-01	1.000e+00
A3GALT	1.56995511	0.6985533355	1.000e+00	1.000e+00
A4GALT	1.11423287	1.0000000000	1.000e+00	1.000e+00
A4GNT	-1.14445746	1.0000000000	1.000e+00	1.000e+00
AAAS	-1.42511585	0.9247422925	1.000e+00	1.000e+00
AACS	-1.19937757	1.0000000000	1.000e+00	1.000e+00
AADAC	1.74237296	0.4886592240	1.000e+00	1.000e+00
AADACL2	1.77930347	0.4511401324	1.000e+00	1.000e+00
AADACL3	-1.07358971	1.0000000000	1.000e+00	1.000e+00
AADACL4	0.07503859	1.0000000000	1.000e+00	1.000e+00
AADAT	-0.64342500	1.0000000000	1.000e+00	1.000e+00
AAGAB	2.62174502	0.0524885121	1.000e+00	1.000e+00
AAK1	1.55603891	0.7181930373	1.000e+00	1.000e+00
AAMDC	0.57169407	1.0000000000	1.000e+00	1.000e+00
AAMP	2.26404168	0.1414293098	1.000e+00	1.000e+00
AANAT	1.22882986	1.0000000000	1.000e+00	1.000e+00
AAR2	-1.06288872	1.0000000000	1.000e+00	1.000e+00
AARD	0.02687814	1.0000000000	1.000e+00	1.000e+00
AARS1	0.55478085	1.0000000000	1.000e+00	1.000e+00
AARS2	2.43412407	0.0895672639	1.000e+00	1.000e+00
AARSD1	-0.77528826	1.0000000000	1.000e+00	1.000e+00
AASDH	1.87539470	0.3644306663	1.000e+00	1.000e+00

Positive Rho Non-permulated



Negative Rho Non-permulated



Top Positive genes by P-value non-permulated

Gene	Rho	P	p.adj	qValueNoperm
ADGRG4	5.725569	6.185247e-08	1.145e-03	1.000e+00
PRUNE2	5.380542	4.455709e-07	2.748e-03	1.000e+00
JCAD	5.087061	2.181930e-06	8.183e-03	1.000e+00
ZZEF1	5.084550	2.210996e-06	8.183e-03	1.000e+00
ZFP3	5.020676	3.089404e-06	9.528e-03	1.000e+00
ARHGEF6	4.947157	4.518309e-06	1.099e-02	1.000e+00
DCUN1D2	4.802543	9.399798e-06	1.485e-02	1.000e+00
SLC2A7	4.760449	1.158975e-05	1.532e-02	1.000e+00
CEP250	4.690691	1.633701e-05	1.696e-02	1.000e+00
ACAD10	4.607981	2.439582e-05	2.150e-02	1.000e+00

Top Negative genes by P-value non-permulated

Gene	Rho	P	p.adj	qValueNoperm
HERC2	-5.570352	1.525347e-07	1.411e-03	1.000e+00
GABRA5	-4.937429	4.749554e-06	1.099e-02	1.000e+00
MET	-4.797737	9.628084e-06	1.485e-02	1.000e+00
RBM6	-4.818171	8.692799e-06	1.485e-02	1.000e+00
TMEM108	-4.809224	9.091034e-06	1.485e-02	1.000e+00
ZNF134	-4.768790	1.112014e-05	1.532e-02	1.000e+00
NUP133	-4.729633	1.349555e-05	1.665e-02	1.000e+00
ADAMTS6	-4.688741	1.649350e-05	1.696e-02	1.000e+00
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