

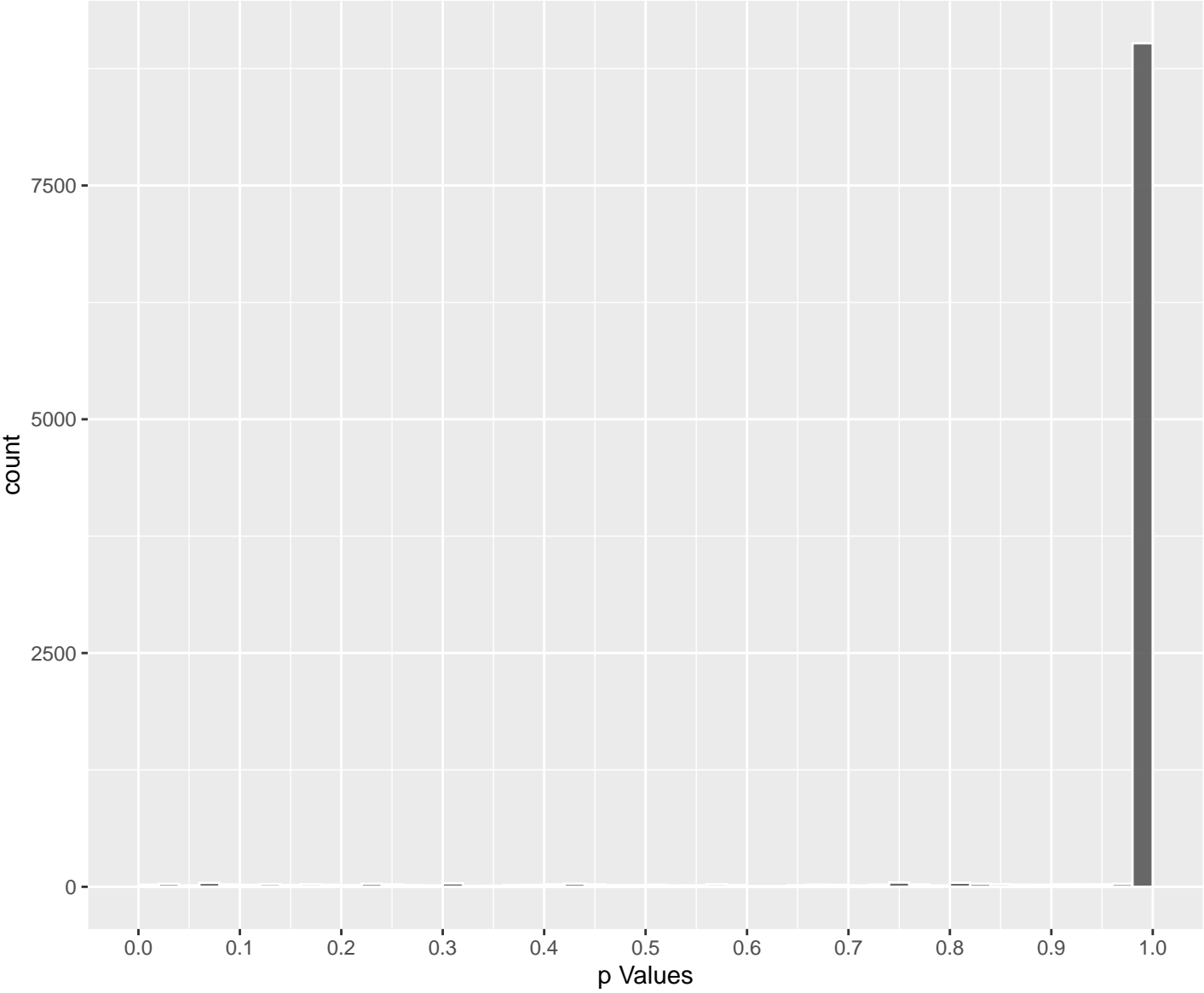
Top genes by P-value non-permulated

Gene	Rho	P	p.adj	qValueNoperm
CAPN8	-6.768738	7.794623e-11	1.442e-06	2.669e-02
PSAPL1	-5.725153	6.200425e-08	5.737e-04	1.000e+00
DAXX	5.586745	1.388187e-07	6.381e-04	1.000e+00
PER2	-5.548984	1.724010e-07	6.381e-04	1.000e+00
RXFP4	-5.602400	1.268427e-07	6.381e-04	1.000e+00
EVPL	-5.461393	2.834485e-07	8.742e-04	1.000e+00
ACAD10	-5.306935	6.689036e-07	1.768e-03	1.000e+00
KIF18A	5.261459	8.575005e-07	1.984e-03	1.000e+00
NDUFB5	5.148969	1.571534e-06	2.180e-03	1.000e+00
NRDE2	-5.139918	1.649153e-06	2.180e-03	1.000e+00
NRK	5.178792	1.339967e-06	2.180e-03	1.000e+00
NSD1	5.158426	1.494206e-06	2.180e-03	1.000e+00
PNMA8B	-5.214138	1.108041e-06	2.180e-03	1.000e+00
SYDE2	5.182213	1.315611e-06	2.180e-03	1.000e+00
PLEC	-5.058833	2.530986e-06	3.122e-03	1.000e+00
BNC1	-5.005485	3.343286e-06	3.867e-03	1.000e+00
P2RY4	-4.949166	4.471931e-06	4.868e-03	1.000e+00
USP43	-4.908166	5.515910e-06	5.671e-03	1.000e+00
ITGB4	-4.891843	5.993779e-06	5.770e-03	1.000e+00
SLC17A4	-4.884041	6.236001e-06	5.770e-03	1.000e+00
SEN7	4.869038	6.728586e-06	5.929e-03	1.000e+00
MR1	-4.842857	7.679122e-06	6.459e-03	1.000e+00
GOLGA2	-4.807278	9.179947e-06	7.155e-03	1.000e+00
TRANK1	-4.805117	9.279675e-06	7.155e-03	1.000e+00
CATSPERB	4.765008	1.133078e-05	7.488e-03	1.000e+00

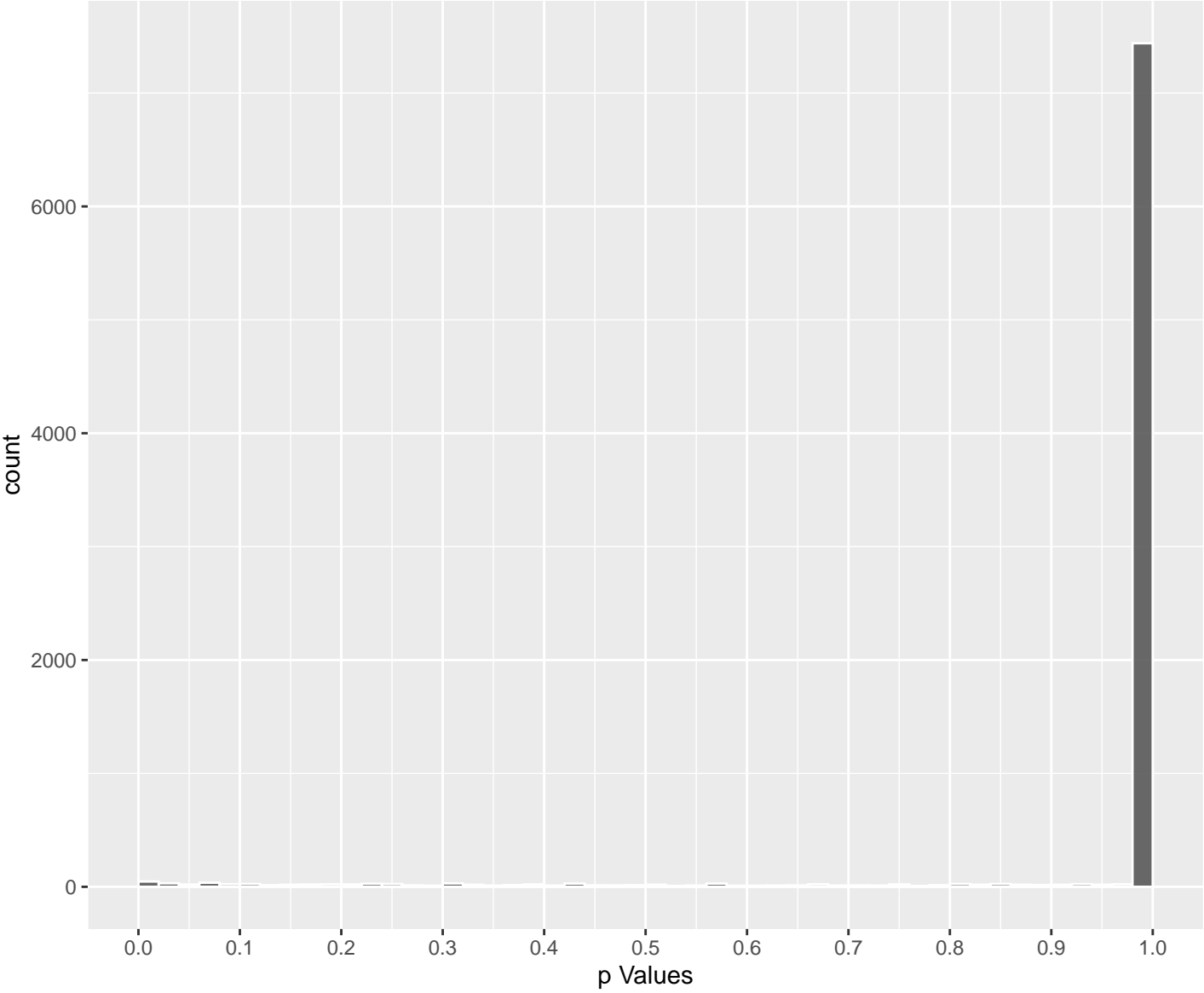
Top genes by Q-Value non-permulated

Gene	Rho	P	p.adj	qValueNoperm
CAPN8	-6.76873819	7.794623e-11	1.442e-06	2.669e-02
A1BG	1.75891892	4.715477e-01	1.000e+00	1.000e+00
A1CF	-0.07117502	1.000000e+00	1.000e+00	1.000e+00
A2M	1.73948569	4.916962e-01	1.000e+00	1.000e+00
A2ML1	-3.35894792	4.694389e-03	1.833e-01	1.000e+00
A3GALT2	-0.98844051	1.000000e+00	1.000e+00	1.000e+00
A4GALT	0.40572801	1.000000e+00	1.000e+00	1.000e+00
A4GNT	0.50982277	1.000000e+00	1.000e+00	1.000e+00
AAAS	1.06849216	1.000000e+00	1.000e+00	1.000e+00
AACS	-1.44688272	8.875786e-01	1.000e+00	1.000e+00
AADAC	-1.22460796	1.000000e+00	1.000e+00	1.000e+00
AADACL2	-4.00038945	3.794299e-04	4.829e-02	1.000e+00
AADACL3	-0.85736138	1.000000e+00	1.000e+00	1.000e+00
AADACL4	-1.54874698	7.286553e-01	1.000e+00	1.000e+00
AADAT	0.15659592	1.000000e+00	1.000e+00	1.000e+00
AAGAB	-0.87447872	1.000000e+00	1.000e+00	1.000e+00
AAK1	-1.94158524	3.131240e-01	1.000e+00	1.000e+00
AAMDC	0.51067043	1.000000e+00	1.000e+00	1.000e+00
AAMP	-1.11647474	1.000000e+00	1.000e+00	1.000e+00
AANAT	-2.83072171	2.786587e-02	4.816e-01	1.000e+00
AAR2	0.75828167	1.000000e+00	1.000e+00	1.000e+00
AARD	-2.00680413	2.686231e-01	1.000e+00	1.000e+00
AARS1	1.13559389	1.000000e+00	1.000e+00	1.000e+00
AARS2	-0.61191290	1.000000e+00	1.000e+00	1.000e+00
AARSD1	1.57534385	6.910626e-01	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
DAXX	5.586745	1.388187e-07	6.381e-04	1.000e+00
KIF18A	5.261459	8.575005e-07	1.984e-03	1.000e+00
NDUFB5	5.148969	1.571534e-06	2.180e-03	1.000e+00
NRK	5.178792	1.339967e-06	2.180e-03	1.000e+00
NSD1	5.158426	1.494206e-06	2.180e-03	1.000e+00
SYDE2	5.182213	1.315611e-06	2.180e-03	1.000e+00
SEN7	4.869038	6.728586e-06	5.929e-03	1.000e+00
CATSPERB	4.765008	1.133078e-05	7.488e-03	1.000e+00
CENPT	4.782414	1.039217e-05	7.488e-03	1.000e+00
UIMC1	4.753101	1.201922e-05	7.624e-03	1.000e+00

Top Negative genes by P-value non-permulated

Gene	Rho	P	p.adj	qValueNoperm
CAPN8	-6.768738	7.794623e-11	1.442e-06	2.669e-02
PSAPL1	-5.725153	6.200425e-08	5.737e-04	1.000e+00
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PLEC	-5.058833	2.530986e-06	3.122e-03	1.000e+00
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