

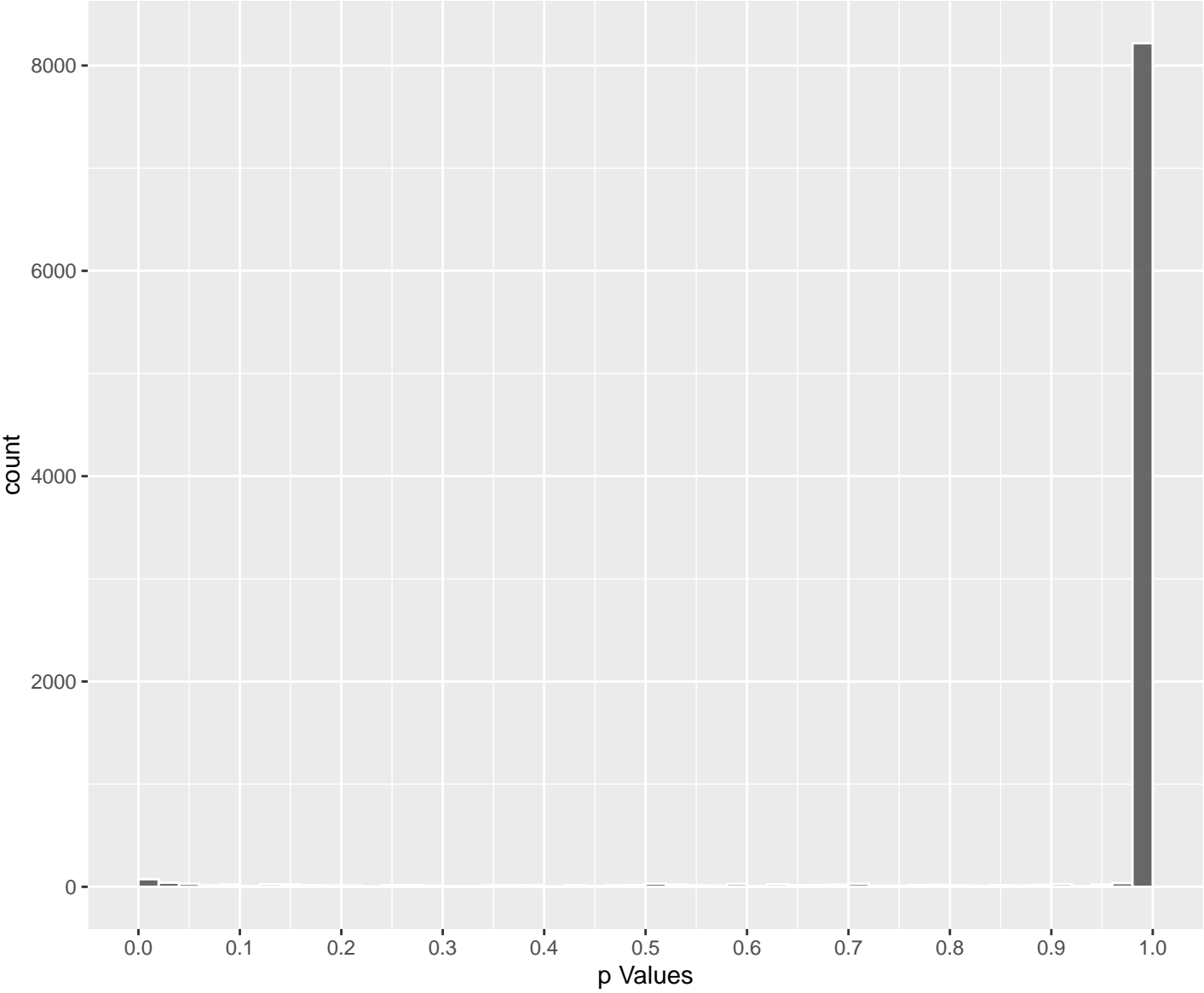
Top genes by P–value non–permulated

Gene	Rho	P	p.adj	qValueNoperm
CAPN8	6.921644	2.678586e−11	4.961e−07	9.188e−03
ANKRD35	6.507403	4.587677e−10	4.248e−06	3.934e−02
DNAH2	6.020759	1.041606e−08	5.969e−05	2.764e−01
RXFP4	5.986146	1.289232e−08	5.969e−05	2.764e−01
KIAA0753	5.813330	3.674537e−08	1.361e−04	5.042e−01
POLM	5.670419	8.546905e−08	2.638e−04	5.441e−01
ITGB4	5.624495	1.116306e−07	2.719e−04	5.441e−01
MR1	5.615740	1.174334e−07	2.719e−04	5.441e−01
STYXL2	5.548107	1.732677e−07	3.209e−04	5.441e−01
TACR2	5.552672	1.688013e−07	3.209e−04	5.441e−01
LTK	5.530206	1.919126e−07	3.231e−04	5.441e−01
KIAA0319	5.496047	2.330391e−07	3.597e−04	5.551e−01
SPEM2	5.332192	5.822046e−07	8.295e−04	1.000e+00
TRIM15	5.194936	1.228742e−06	1.626e−03	1.000e+00
HAVCR1	−5.092301	2.122464e−06	1.966e−03	1.000e+00
NLRP8	−5.096558	2.075309e−06	1.966e−03	1.000e+00
POF1B	5.113861	1.893833e−06	1.966e−03	1.000e+00
RABEP1	5.092638	2.118689e−06	1.966e−03	1.000e+00
SPTBN5	5.103607	1.999441e−06	1.966e−03	1.000e+00
ZZEF1	5.123083	1.803478e−06	1.966e−03	1.000e+00
ADGRG4	5.029546	2.949859e−06	2.404e−03	1.000e+00
ARHGAP40	5.019093	3.114961e−06	2.404e−03	1.000e+00
DNAH9	5.024346	3.030909e−06	2.404e−03	1.000e+00
USP43	5.025454	3.013458e−06	2.404e−03	1.000e+00
PLEC	4.996740	3.498459e−06	2.457e−03	1.000e+00

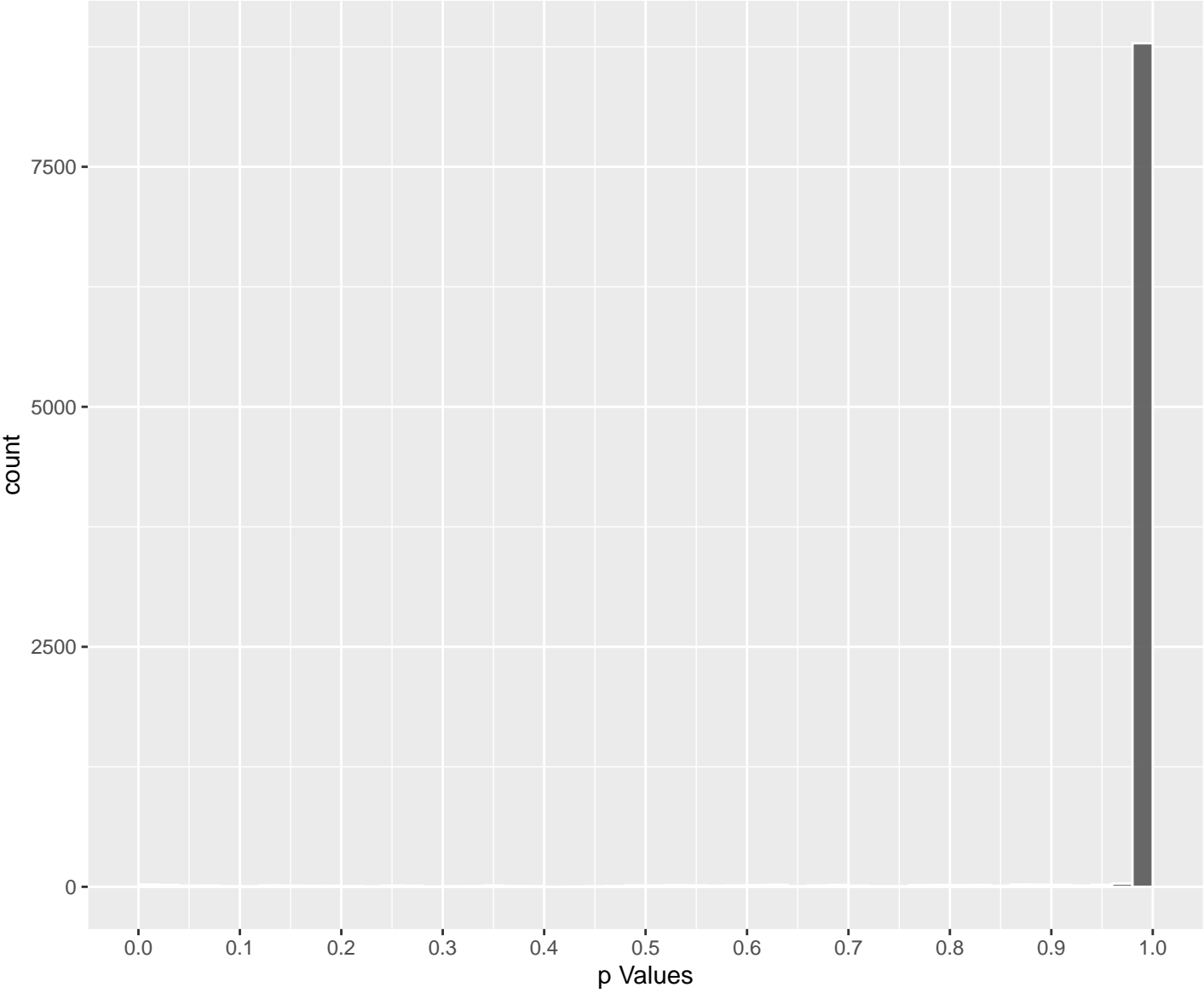
Top genes by Q–Value non–permulated

Gene	Rho	P	p.adj	qValueNoperm
CAPN8	6.92164430	2.678586e−11	4.961e−07	9.188e−03
ANKRD35	6.50740261	4.587677e−10	4.248e−06	3.934e−02
DNAH2	6.02075903	1.041606e−08	5.969e−05	2.764e−01
RXFP4	5.98614558	1.289232e−08	5.969e−05	2.764e−01
KIAA0753	5.81332966	3.674537e−08	1.361e−04	5.042e−01
ITGB4	5.62449543	1.116306e−07	2.719e−04	5.441e−01
LTK	5.53020631	1.919126e−07	3.231e−04	5.441e−01
MR1	5.61574034	1.174334e−07	2.719e−04	5.441e−01
POLM	5.67041935	8.546905e−08	2.638e−04	5.441e−01
STYXL2	5.54810680	1.732677e−07	3.209e−04	5.441e−01
TACR2	5.55267207	1.688013e−07	3.209e−04	5.441e−01
KIAA0319	5.49604722	2.330391e−07	3.597e−04	5.551e−01
A1BG	−0.49957078	1.000000e+00	1.000e+00	1.000e+00
A1CF	−0.05706727	1.000000e+00	1.000e+00	1.000e+00
A2M	−1.58076657	6.835885e−01	1.000e+00	1.000e+00
A2ML1	2.55973726	6.285079e−02	8.864e−01	1.000e+00
A3GALT2	0.93302016	1.000000e+00	1.000e+00	1.000e+00
A4GALT	0.08197759	1.000000e+00	1.000e+00	1.000e+00
A4GNT	−1.04940329	1.000000e+00	1.000e+00	1.000e+00
AAAS	−0.19074670	1.000000e+00	1.000e+00	1.000e+00
AACS	0.54717126	1.000000e+00	1.000e+00	1.000e+00
AADAC	1.76746923	4.628981e−01	1.000e+00	1.000e+00
AADACL2	2.84186382	2.691039e−02	5.930e−01	1.000e+00
AADACL3	0.84482299	1.000000e+00	1.000e+00	1.000e+00
AADACL4	0.81324866	1.000000e+00	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
CAPN8	6.921644	2.678586e−11	4.961e−07	9.188e−03
ANKRD35	6.507403	4.587677e−10	4.248e−06	3.934e−02
DNAH2	6.020759	1.041606e−08	5.969e−05	2.764e−01
RXFP4	5.986146	1.289232e−08	5.969e−05	2.764e−01
KIAA0753	5.813330	3.674537e−08	1.361e−04	5.042e−01
POLM	5.670419	8.546905e−08	2.638e−04	5.441e−01
ITGB4	5.624495	1.116306e−07	2.719e−04	5.441e−01
MR1	5.615740	1.174334e−07	2.719e−04	5.441e−01
STYXL2	5.548107	1.732677e−07	3.209e−04	5.441e−01
TACR2	5.552672	1.688013e−07	3.209e−04	5.441e−01

Top Negative genes by P–value non–permulated

Gene	Rho	P	p.adj	qValueNoperm
HAVCR1	−5.092301	2.122464e−06	1.966e−03	1.000e+00
NLRP8	−5.096558	2.075309e−06	1.966e−03	1.000e+00
PPP4R1	−4.930509	4.920936e−06	3.038e−03	1.000e+00
DCAF4	−4.848927	7.447876e−06	3.941e−03	1.000e+00
ELL	−4.852274	7.323224e−06	3.941e−03	1.000e+00
SPATA31A5	−4.835944	7.950909e−06	4.091e−03	1.000e+00
ZNF483	−4.821707	8.540089e−06	4.275e−03	1.000e+00
MAP1S	−4.739267	1.286959e−05	5.956e−03	1.000e+00
TTC3	−4.734376	1.318380e−05	5.956e−03	1.000e+00
NSD1	−4.655979	1.934665e−05	7.465e−03	1.000e+00