Top genes by P-value non-permulated

Gene	Rho	N	P	p.adj	qValueNoperm
ENSG00000092621	0.6547089	64	2.696e−10	3.976e−06	5.865e−02
ENSG00000135069	0.6298836	62	2.270e−09	1.674e−05	7.261e−02
ENSG00000070404	−0.5954184	65	7.059e−09	2.603e−05	7.261e−02
ENSG00000106404	0.6203105	61	5.311e−09	2.603e−05	7.261e−02
ENSG00000112964	0.5951899	64	9.399e−09	2.773e−05	7.261e−02
ENSG00000239282	0.5908686	64	1.201e−08	2.953e−05	7.261e−02
ENSG00000120437	0.5617532	68	2.263e−08	4.768e−05	1.005e−01
ENSG00000154930	−0.5741537	62	5.084e−08	8.418e−05	1.080e−01
ENSG00000274296	0.5601448	65	5.136e−08	8.418e−05	1.080e−01
ENSG00000101052	−0.5490141	66	7.429e−08	9.518e−05	1.080e−01
ENSG00000122971	0.5467794	66	8.388e−08	9.518e−05	1.080e−01
ENSG00000164188	−0.5568425	64	7.816e−08	9.518e−05	1.080e−01
ENSG00000197712	0.5787964	60	6.657e−08	9.518e−05	1.080e−01
ENSG00000189157	0.6896447	41	1.306e−07	1.376e−04	1.450e−01
ENSG00000118855	0.5262501	66	2.504e−07	2.173e−04	1.886e−01
ENSG00000127954	0.5186389	68	2.449e−07	2.173e−04	1.886e−01
ENSG00000167900	−0.5277373	66	2.317e−07	2.173e−04	1.886e−01
ENSG00000145725	0.5391257	62	3.122e−07	2.558e−04	2.096e−01
ENSG00000099256	−0.5984893	49	4.974e−07	3.355e−04	2.250e−01
ENSG00000109929	0.5155377	66	4.363e−07	3.355e−04	2.250e−01
ENSG00000118242	−0.5590654	56	4.823e−07	3.355e−04	2.250e−01
ENSG00000178425	0.5128596	66	5.004e−07	3.355e−04	2.250e−01
ENSG00000133135	0.5129970	64	7.483e−07	4.520e−04	2.259e−01
ENSG00000138433	−0.4983499	68	7.064e−07	4.520e−04	2.259e−01
ENSG00000275397	0.5595801	54	7.661e−07	4.520e−04	2.259e−01

Top genes by Q-Value non-permulated

Gene	Rho	N	P	p.adj	qValueNoperm
ENSG00000092621	0.6547089	64	2.696e−10	3.976e−06	5.865e−02
ENSG00000070404	−0.5954184	65	7.059e−09	2.603e−05	7.261e−02
ENSG00000106404	0.6203105	61	5.311e−09	2.603e−05	7.261e−02
ENSG00000112964	0.5951899	64	9.399e−09	2.773e−05	7.261e−02
ENSG00000135069	0.6298836	62	2.270e−09	1.674e−05	7.261e−02
ENSG00000239282	0.5908686	64	1.201e−08	2.953e−05	7.261e−02
ENSG00000120437	0.5617532	68	2.263e−08	4.768e−05	1.005e−01
ENSG00000101052	−0.5490141	66	7.429e−08	9.518e−05	1.080e−01
ENSG00000122971	0.5467794	66	8.388e−08	9.518e−05	1.080e−01
ENSG00000154930	−0.5741537	62	5.084e−08	8.418e−05	1.080e−01
ENSG00000164188	−0.5568425	64	7.816e−08	9.518e−05	1.080e−01
ENSG00000197712	0.5787964	60	6.657e−08	9.518e−05	1.080e−01
ENSG00000274296	0.5601448	65	5.136e−08	8.418e−05	1.080e−01
ENSG00000189157	0.6896447	41	1.306e−07	1.376e−04	1.450e−01
ENSG00000118855	0.5262501	66	2.504e−07	2.173e−04	1.886e−01
ENSG00000127954	0.5186389	68	2.449e−07	2.173e−04	1.886e−01
ENSG00000167900	−0.5277373	66	2.317e−07	2.173e−04	1.886e−01
ENSG00000145725	0.5391257	62	3.122e−07	2.558e−04	2.096e−01
ENSG00000099256	−0.5984893	49	4.974e−07	3.355e−04	2.250e−01
ENSG00000109929	0.5155377	66	4.363e−07	3.355e−04	2.250e−01
ENSG00000118242	−0.5590654	56	4.823e−07	3.355e−04	2.250e−01
ENSG00000178425	0.5128596	66	5.004e−07	3.355e−04	2.250e−01
ENSG00000005882	0.4932776	68	9.148e−07	4.679e−04	2.259e−01
ENSG00000026652	−0.5296313	58	1.200e−06	5.207e−04	2.259e−01
ENSG00000100612	0.5008080	66	9.199e−07	4.679e−04	2.259e−01

Positive Rho Non-permulated
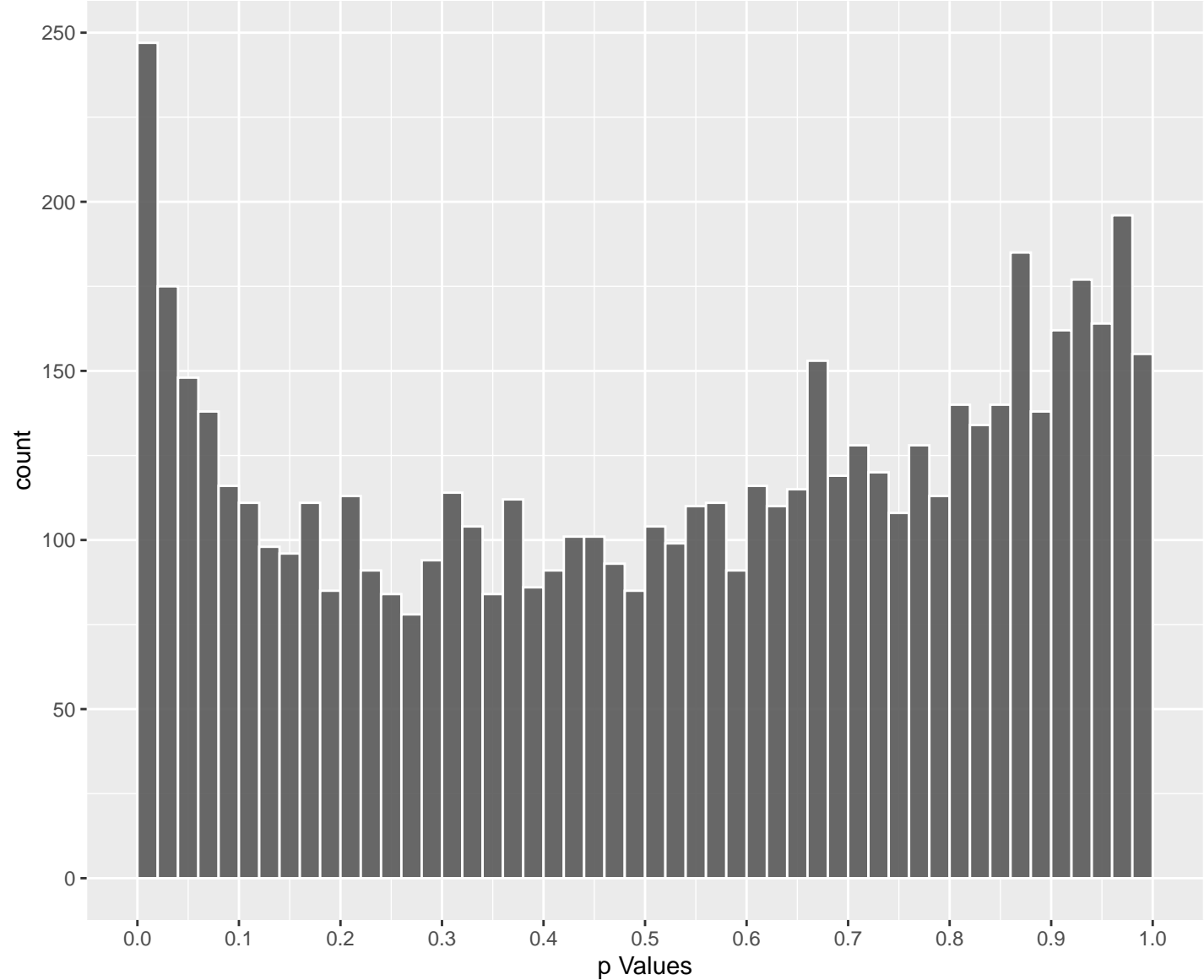
Negative Rho Non-permulated
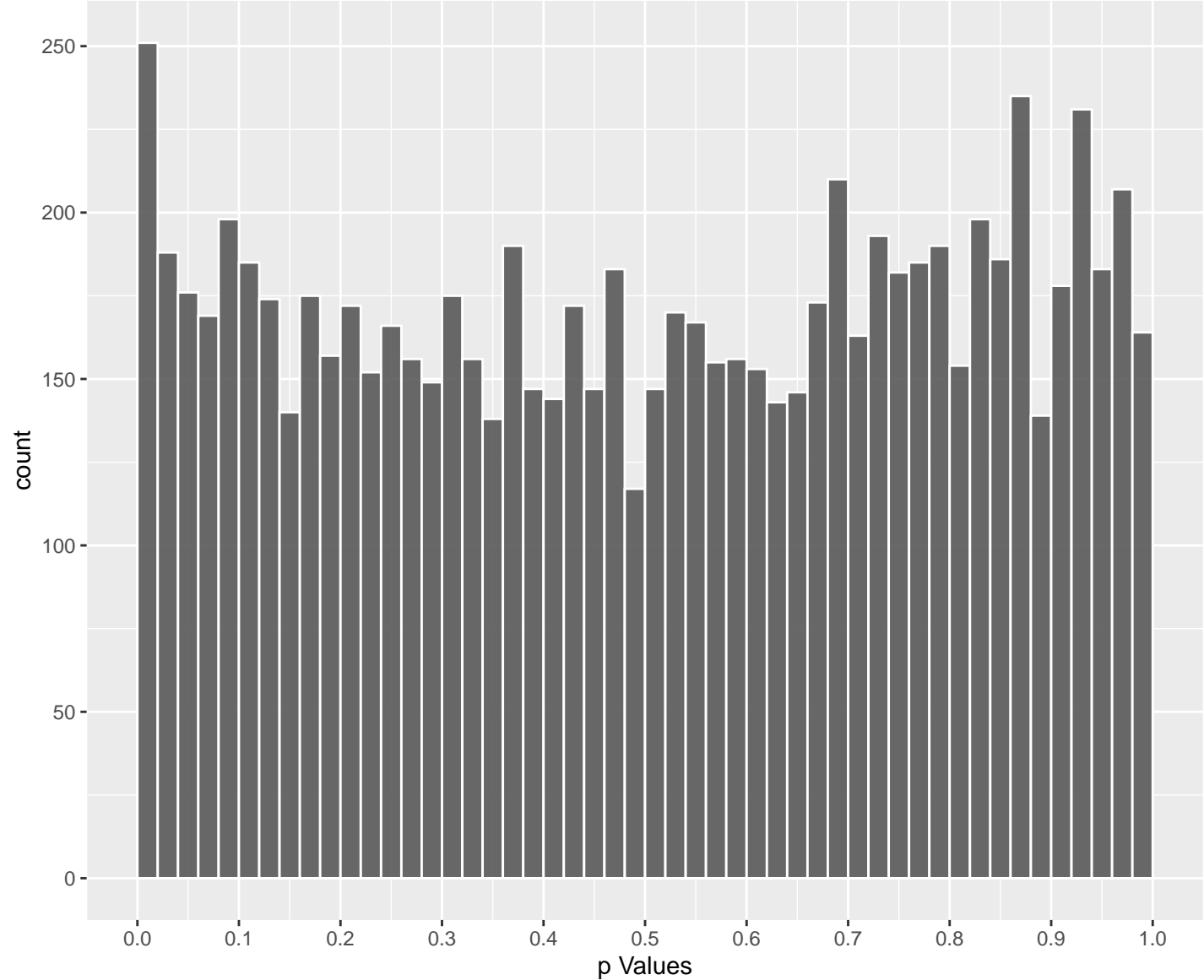
Top Positive genes by P-value non-permulated

Gene	Rho	N	P	p.adj	qValueNoperm
ENSG00000092621	0.6547089	64	2.696e−10	3.976e−06	5.865e−02
ENSG00000135069	0.6298836	62	2.270e−09	1.674e−05	7.261e−02
ENSG00000106404	0.6203105	61	5.311e−09	2.603e−05	7.261e−02
ENSG00000112964	0.5951899	64	9.399e−09	2.773e−05	7.261e−02
ENSG00000239282	0.5908686	64	1.201e−08	2.953e−05	7.261e−02
ENSG00000120437	0.5617532	68	2.263e−08	4.768e−05	1.005e−01
ENSG00000274296	0.5601448	65	5.136e−08	8.418e−05	1.080e−01
ENSG00000122971	0.5467794	66	8.388e−08	9.518e−05	1.080e−01
ENSG00000197712	0.5787964	60	6.657e−08	9.518e−05	1.080e−01
ENSG00000189157	0.6896447	41	1.306e−07	1.376e−04	1.450e−01

Top Negative genes by P-value non-permulated

Gene	Rho	N	P	p.adj	qValueNoperm
ENSG00000070404	−0.5954184	65	7.059e−09	2.603e−05	7.261e−02
ENSG00000154930	−0.5741537	62	5.084e−08	8.418e−05	1.080e−01
ENSG00000101052	−0.5490141	66	7.429e−08	9.518e−05	1.080e−01
ENSG00000164188	−0.5568425	64	7.816e−08	9.518e−05	1.080e−01
ENSG00000167900	−0.5277373	66	2.317e−07	2.173e−04	1.886e−01
ENSG00000099256	−0.5984893	49	4.974e−07	3.355e−04	2.250e−01
ENSG00000118242	−0.5590654	56	4.823e−07	3.355e−04	2.250e−01
ENSG00000138433	−0.4983499	68	7.064e−07	4.520e−04	2.259e−01
ENSG00000117152	−0.5370977	58	8.476e−07	4.631e−04	2.259e−01
ENSG00000104964	−0.5038166	65	9.641e−07	4.740e−04	2.259e−01