

Pearson Correlation of Features

GeneSize	1	0.0260.00930.444	0.72	0.26	0.610.00980.037	0.04	0.0460.0580.0810.036	0.03	0.020.00760.01	0.018	0.59	0.93	-0.14	-0.043	-0.32	0.93	0.97	0.00770.091	-0.12	0.59	0.23	0.17	-0.028	-0.12	-0.13	-0.3	-0.13	0.08	-0.13	-0.061	0.14	0.0280.074	0.11	0.0430.00010.011	0.14	0.15	-0.0180.00280.0530.087	-0.0420.0430.081	0.05	0.0390.011	-0.0060.0580.014	0.11	0.038	0.13	0.130.00790.14	0.065
ExAC_mean_rd	-0.026	1	0.72	0.31	0.33	0.17	0.3	0.11	0.82	0.13	0.16	0.0820.0850.0340.0160.0180.0098	0.00710.13	0.0770.0980.00460.035	-0.0710.0560.068	-0.0380.0070.0640.0910.056	-0.02	0.0460.00980.075	-0.0950.026	0.290.00870.0770.0580.0190.0290.0350.014	-0.0120.00420.0370.0810.0220.0390.0160.0078	0.0290.023	0.02	0.018	0.00780.00930.013	0.00880.0640.0290.0810.0810.0170.0360.014																				
ExAC_gc_content	-0.00950.72	1	0.32	0.36	0.13	0.32	0.14	0.93	0.079	0.13	0.0460.054	-0.01	-0.0130.00260.000000610.11	0.0610.078	0.0310.0140.0850.0710.087	-0.07	-0.034	-0.1	0.0910.083	-0.012	0.06	-0.0280.0090.0610.034	0.21	0.0630.0950.077	0.05	0.0270.0240.00940.0130.00570.0770.0960.028	0.02	0.0490.0690.0280.0290.0550.026	0.0150.0150.00720.0260.00180.047	0.02	0.0610.0630.00140.0720.002															
ExAC_complexity	-0.044	0.31	0.32	1	0.17	-0.029	-0.14	0.11	0.310.00480.0034	-0.02	-0.030.0390.0380.0130.0028	0.0260.0340.0510.0630.0150.00160.0230.0980.0730.092	0.12	0.0610.0540.0820.0210.0180.016	0.070.00780.0580.0820.0420.029	-0.0180.00190.018	-0.02	-0.0120.0068	0.00220.036	-0.04	-0.0190.0530.062	0.12	-0.0390.0140.0190.015	0.00220.0130.00040.00880.00170.0060.024	-0.01	-0.010.00520.00140.027																				
ExAC_cds_len	-0.72	0.33	0.36	0.17	1	0.38	0.85	0.04	0.42	0.087	0.11	0.088	0.12	0.0420.0420.00780.000000180.065	0.51	0.78	-0.16	-0.05	-0.35	0.72	0.77	-0.0550.048	-0.16	0.57	0.24	0.16	-0.012	-0.13	-0.14	-0.35	-0.15	0.14	-0.13	-0.059	0.16	0.03	0.079	0.11	0.0430.00320.00870.016	0.17	-0.0180.0047	-0.040.0240.0210.0530.0940.064				
ExAC_gene_length	-0.26	0.17	0.13	-0.0290.38	1	0.4	-0.011	0.21	0.0490.0450.0620.0770.0280.0270.00570.0056	0.00440.034	0.15	0.32	-0.14	-0.098	-0.24	0.25	0.28	-0.0790.036	-0.12	0.32	0.15	0.15	-0.022	-0.13	-0.11	-0.24	-0.14	0.08	-0.14	-0.074	0.08	0.037	0.13	0.22	0.09	0.0120.016	-0.0440.0350.00880.053	0.1	0.071	0.0530.00680.00390.0760.0110.0560.0470.0480.0480.021	0.14	0.041				
ExAC_num_targ	-0.61	0.3	0.32	-0.14	0.85	0.4	1	0.013	0.39	0.098	0.13	0.11	0.15	0.0610.0570.0130.000000230.065	0.53	0.77	-0.15	-0.032	-0.35	0.58	0.65	-0.12	-0.031	-0.21	0.57	0.3	0.14	0.01	-0.13	-0.16	-0.34	-0.17	0.14	-0.14	-0.072	0.17	0.0330.076	0.11	0.0420.00270.00420.017	0.2	0.000000040.00630.040.00160.0390.0790.047					
ExAC_segdup	-0.0090.11	0.14	0.11	0.04	-0.0110.013	1	0.12	0.13	0.14	0.04	0.0380.0360.0370.0280.011	0.01	0.62	0.012	-0.0140.0310.0410.0260.0120.00380.0250.0340.017	-0.0310.0270.0420.0150.0290.0370.0230.045	0.03	0.0450.0390.00880.0220.00460.020.00940.0170.00030.0090.0160.00480.0080.0050.000.00040.00480.00580.0071																												
ExAC_dip	-0.037	0.82	0.93	0.31	0.42	0.21	0.39	0.12	1	0.098	0.14	0.0620.0750.00028000.00000006.000000130.11	0.094	0.13	-0.0460.012	-0.120.0780.098	-0.09	-0.051	-0.12	0.14	0.1	-0.00090.063	-0.04	0.033	-0.12	0.021	0.26	0.0270.0850.0730.0250.0280.0390.023	-0.0190.76	-0.080.91	0.1	0.0280.0250.0310.0440.0320.0260.0390.022														
ExAC_del	-0.04	0.13	0.0790.00480.0870.0490.098	0.13	0.098	1	0.19	0.81	0.15	-0.28	-0.12	-0.44	-0.18	-0.35	0.18	0.13	0.0560.081	0.12	0.06	0.0670.0470.0750.0890.064	-0.0450.075	-0.07	-0.016	0.1	0.057	0.04	0.07	0.0430.0740.0630.0160.00880.0150.0120.00380.00280.0070.020.00360.00960.00690.0280.039	-0.020.00480.0190.0093																	
ExAC_dup	-0.046	0.16	0.130.00340.11	0.045	0.13	0.14	0.14	0.19	1	0.12	0.58	-0.11	-0.26	-0.22	-0.58	-0.54	0.22	0.09	0.0690.0390.0630.0120.0650.0550.0460.0580.0390.00610.0390.0440.00130.0470.0260.00280.0390.0390.0340.0380.0390.010.00280.0080.00180.00440.00800.00060030.010.00950.00780.00150.0080.00560.00470.0180.005																											
ExAC_del.sing	-0.0580.0820.046	-0.02	0.0880.062	0.11	0.04	0.062	0.81	0.12	1	0.17	-0.36	-0.15	-0.29	-0.11	-0.240.073	0.13	0.0760.0520.0850.0290.0760.0630.0480.0610.037	-0.010.0410.0440.0120.0720.0390.0180.0480.0390.0530.0460.00580.0050.0270.0290.00240.0010.00120.0210.00080.00480.0090.0210.041	-0.0180.00380.00990.0037																											
ExAC_dup.sing	-0.0810.0850.054	-0.03	0.12	0.077	0.15	0.0380.075	0.15	0.58	0.17	1	-0.19	-0.43	-0.14	-0.31	-0.29	0.086	0.1	0.110.00440.031	-0.0310.0890.0880.0120.0270.00370.059	0.010.00550.0120.0190.011	-0.0320.0120.0430.0110.011	0.030.00420.0190.0240.0130.00280.00130.00390.0260.00280.0000020.016	8e-050.00140.00630.011																							
ExAC_del.sing.score	-0.0360.034	-0.01	0.0390.0420.0280.0610.030.000280.28	-0.11	-0.36	-0.19	1	0.39	0.65	0.22	0.43	-0.06	-0.16	0.048	-0.17	-0.21	-0.18	-0.0250.036	-0.17	-0.17	-0.17	0.21	0.21	0.18	-0.019	-0.19	-0.12	-0.15	-0.160.00740.07	-0.15	0.0690.00680.00880.0022	7e-080.0070.00690.00870.047	-0.1	0.0370.00420.04	0.022											
ExAC_dup.sing.score	-0.03	0.016	-0.0130.0380.0420.0270.0570.0320.00040.12	-0.26	-0.15	-0.43	0.39	1	0.24	0.52	0.47	-0.0680.0290.042	-0.05	-0.0590.0630.00320.025	-0.0730.0740.0750.0730.0860.0390.0039	-0.06	-0.0540.0540.0790.0210.0780.0520.0780000360.00980.0140.010.00780.00190.0220.0110.00980.00380.0010.0460.00480.00530.0140.0089																													
ExAC_del.score	-0.02	0.0180.00260.010.00740.00570.0110.0280.0006	0.44	-0.22	-0.29	-0.14	0.65	0.24	1	0.37	0.69	-0.16	-0.170.024	-0.18	-0.22	-0.19	-0.0420.017	-0.18	-0.19	-0.18	0.2	0.22	0.19	-0.014	-0.2	-0.11	-0.14	-0.15	0.02	-0.15	-0.130.0740.010.00120.0180.00740.0110.00130.02	0.0920.0120.0160.066	-0.0760.0490.0150.0550.029													
ExAC_dup.score	-0.00780.00930.00190.00270.00030.00080.00010.012	0.1e-050.18	-0.58	-0.11	-0.31	0.22	0.52	0.37	1	0.9	-0.21	-0.0720.012	-0.1	-0.12	-0.1	-0.030.00370.013	-0.13	-0.12	0.099	0.15	0.0930.004	-0.1	-0.0510.0680.0830.018	-0.070.0640.0380.0270.0150.0190.00270.010.0060.0340.0410.0280.000780.017	-0.0220.0210.00990.0420.018																					
ExAC_cnv.score	-0.010.00780.000670.00240.00190.00440.00220.010.000130.35	-0.54	-0.24	-0.29	0.43	0.47	0.69	0.9	1	-0.23	-0.130.014	-0.16	-0.19	-0.16	-0.0480.0064	-0.17	-0.18	-0.17	0.16	0.2	0.16	-0.00270.017	-0.087	-0.11	-0.13	0.02	-0.13	-0.110.0620.029	0.01	0.020.00570.010.00390.0340.0720.0190.00790.041	-0.0510.0370.0150.0570.024															
ExAC_flag	-0.018	0.13	0.11	0.0340.0650.0340.065	0.62	0.11	0.18	0.22	0.0730.086	-0.06	-0.068	-0.16	-0.21	-0.23	1	0.0590.0270.0430.0640.0290.0360.0290.0350.010.027	-0.0190.0310.0530.0170.0420.0430.0160.0550.0360.0080.049	0.05	-0.0170.0220.00480.010.00180.00380.0020.00210.0140.00680.00560.0180.027	-0.0180.0030.00080.007																										
GnomAD_obs_lof	-0.59	0.0770.0610.0510.01	0.53	0.0120.094	0.13	0.09	0.13	0.1	0.16	-0.029	-0.170.072	-0.130.059	1	0.66	0.33	0.54	0.15	0.69	0.61	0.26	0.35	0.18	-0.091	0.2	0.23	-0.0280.0360.0430.0220.0150.00180.00640.0730.020.0034	-0.03	-0.1	0.16	-0.0840.015	-0.03	0.015	0.00280.0190.00880.0180.00240.0240.0030.0340.0040.00640.023													
GnomAD_obs_lof	-0.93	0.0980.0780.0630.78	0.32	0.77	-0.0140.13	0.0560.0690.076	0.11	0.0480.0420.0240.0120.0140.027	0.66	1	-0.16	-0.035	0.37	0.89	0.95	-0.0630.039	-0.17	0.66	0.3	0.18	-0.01	-0.13	-0.15	-0.36	-0.16	0.13	-0.15	-0.085	0.17	0.350.081	0.12	0.0480.00380.00970.017	0.19	0.00640.00470.0370.0280.0260.0410.0890.051												
GnomAD_oe_lof	-0.140.00480.0310.015	-0.16	-0.14	-0.15	0.031	-0.0460.0810.0390.0520.0044	0.17	-0.05	-0.18	-0.1	-0.160.0430.033	-0.16	1	0.9	0.83	-0.036	-0.15	0.57	0.54	0.58	-0.7	-0.55	-0.61	0.018	0.8	0.25	0.57	0.35	-0.0140.035	0.4	-0.2	-0.0330.0380.0820.0320.00640.01	-0.085	-0.230.00280.026	-0.12	0.18	-0.11	-0.049	-0.14	-0.062						
GnomAD_oe_lof_lower	-0.0430.0350.0140.0016	-0.05	-0.0980.0320.0410.012	0.12	0.1	0.0630.0850.031	-0.21	-0.059	-0.22	-0.12	-0.19	0.064	0.54	-0.035	0.9	1	0.78	0.082	0.046	0.56	0.57	0.54	-0.67	-0.55	-0.65	-0.0520.88	0.28	0.57	0.39	0.036	0.4	0.46	-0.2	-0.0140.0210.074	-0.030.00580.0630.055	-0.21	0.012	-0.032	-0.14	0.21	-0.12	-0.05	-0.14	-0.062		
GnomAD_oe_lof_upper	-0.32	-0.0710.0850.023	-0.35	-0.24	-0.35	0.026	-0.12	0.06	0.0120.029	-0.031	-0.18	-0.061	-0.19	-0.1	-0.160.029	0.15	-0.37	0.83	0.78	1	-0.21	-0.34	0.55	0.48	0.63	-0.8	-0.6	-0.640.082	0.75	0.29	0.68	0.39	-0.0790.037	0.41	-0.25	-0.0360.068	-0.12	-0.0510.0080.016	-0.14	-0.280.00530.03	-0.097	0.17	-0.0880.057	-0.16	-0.075	
GnomAD_obs_mis	-0.93	0.0560.0710.098	0.72	0.25	0.58	0.0110.0780.0670.0650.0760.0890.0280.00330.0420.0340.0450.036	0.69	0.89	0.0360.082	-0.21	1	0.96	0.16	0.27	0.0530.0460.00580.037	0.01	-0.0140.059	-0.23	-0.011	0.1	0.00480.053	0.1	0.032	0.07	0.0910.0390.000720.011	0.13	0.1	-0.0170.00180.0760.011	-0.0620.0290.0580.031																	
GnomAD_exp_mis	-0.97	0.0680.0870.073	0.77	0.28	0.65	0.00380.0980.0470.0550.0630.0880.0360.0250.0170.00380.00640.029	0.61	0.95	-0.15	-0.046	0.34	0.96	1	-0.0140.094	-0.13	0.61	0.24	0.18	-0.024	-0.12	-0.14	-0.32	-0.13	0.11	-0.12	-0.066	0.16	0.3630.078	0.11	0.0480.0080.00970.015	0.16	-0.0140.006	-0.0490.0620.0390.0480.0920.059													
GnomAD_oe_mis	-0.00780.038	-0.07	0.0920.0550.079	-0.12	0.025	-0.090.0750.0460.0480.012	-0.17	-0.073	-0.18	-0.13	-0.17	0.039	0.26	-0.0630.57	0.56	0.55	0.16	-0.014	1	0.98	0.97	-0.44	-0.83	-0.47	0.089	0.47	0.27	0.32	0.4	0.057	0.41	0.52	-0.16	-0.019	-0.02	-0.04	-0.0170.0080.00550.043	-0.180.00380.00710.016	0.25	-0.14	-0.044	-0.11	-0.065			
GnomAD_oe_mis_lower	-0.091	-0.0070.034	0.12	0.0480.0360.0310.034	0.0510.0890.0580.0610.027	-0.17	-0.074	-0.19	-0.13	-0.18	0.051	0.35	0.039	0.54	0.57	0.48	0.27	0.094	0.98	1	0.93	-0.36	-0.																							