Overlap	Variance of test statistics		False positive rate per SNP		False positives per study	
	mean (s.e.m.)	max	mean (s.e.m.)	max	mean (s.e.m.)	max
100%						
All null-SNPs	1.74e+00 (6.16e-04)	1.76E+00	3.94e-03 (1.60e-05)	3.94e-03 (1.60e-05)	6.65e+02 (2.71e+00)	6.65e+02 (2.71e+00)
Null-SNPs not used in PRS	9.79e-01 (3.25e-04)	9.89E-01	6.24e-08 (6.24e-08)	6.24e-08 (6.24e-08)	1.00e-02 (1.00e-02)	1.00e-02 (1.00e-02)
Null-SNPs used in PRS	1.61e+01 (1.43e-02)	1.65E+01	7.87e-02 (3.56e-04)	7.87e-02 (3.56e-04)	6.65e+02 (2.71e+00)	6.65e+02 (2.71e+00)
50%						
All null-SNPs	1.70e+00 (6.36e-04)	1.72E+00	3.21e-03 (1.59e-05)	3.21e-03 (1.59e-05)	5.42e+02 (2.68e+00)	5.42e+02 (2.68e+00)
Null-SNPs not used in PRS	9.94e-01 (3.19e-04)	1.00E+00	6.24e-08 (6.24e-08)	6.24e-08 (6.24e-08)	1.00e-02 (1.00e-02)	1.00e-02 (1.00e-02)
Null-SNPs used in PRS	1.50e+01 (1.49e-02)	1.54E+01	6.41e-02 (3.48e-04)	6.41e-02 (3.48e-04)	5.42e+02 (2.68e+00)	5.42e+02 (2.68e+00)
0%						
All null-SNPs	1.64e+00 (6.05e-04)	1.66E+00	2.42e-03 (1.22e-05)	2.42e-03 (1.22e-05)	4.08e+02 (2.06e+00)	4.08e+02 (2.06e+00)
Null-SNPs not used in PRS	1.00e+00 (3.80e-04)	1.01E+00	6.23e-08 (6.23e-08)	6.23e-08 (6.23e-08)	1.00e-02 (1.00e-02)	1.00e-02 (1.00e-02)
Null-SNPs used in PRS	1.38e+01 (1.42e-02)	1.41E+01	4.83e-02 (2.70e-04)	4.83e-02 (2.70e-04)	4.08e+02 (2.07e+00)	4.08e+02 (2.07e+00)