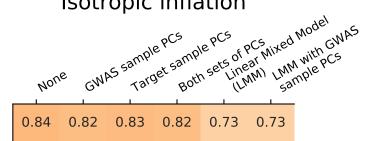
Comparison of SAD variance among methods to adjust for population structure

Number of significant PC-wise SAD components in first 20 PCs

Tirear Mixed Model Linear mine sample PCs GWAS sample PCS Target sample pcs Both sets of PCS. 3 1 1 3 2 Median across traits

Isotropic inflation



_					
6	5	3	5	6	6
0	1	0	1	1	1
5	4	4	3	6	5
5	2	3	1	3	2
1	1	1	1	1	1
7	2	5	1	3	3
1	1	2	1	2	2
6	1	4	0	3	2
2	0	2	0	2	1
0	0	0	0	0	0
1	3	1	1	3	4
6	6	5	5	4	4
3	3	3	3	4	2
3	2	2	3	3	3
0	0	0	0	1	1

0

0

1

1

0

1

1

Height
Body mass index
Skin color
Household income
Waist circumference
Hair color
Birth weight
Forced vital capacity
Hand grip strength
Pulse rate
Hip circumference
Diastolic blood pressure
Overall health rating
Years of schooling
Alcohol intake frequency
Neuroticism score
Pack years of smoking

1.71	1.31	1.62	1.30	1.08	1.07
1.12	1.04	1.12	1.05	0.91	0.90
1.04	1.00	1.03	1.00	0.93	0.93
1.04	0.99	1.04	0.98	0.92	0.89
0.94	0.92	0.93	0.92	0.80	0.81
0.99	0.89	0.96	0.89	0.75	0.75
0.85	0.87	0.83	0.85	0.70	0.72
0.90	0.84	0.87	0.84	0.75	0.75
0.84	0.82	0.83	0.82	0.80	0.80
0.80	0.80	0.77	0.77	0.73	0.71
0.76	0.76	0.76	0.77	0.71	0.72
0.75	0.74	0.75	0.74	0.72	0.73
0.73	0.73	0.72	0.72	0.67	0.66
0.69	0.68	0.69	0.67	0.61	0.61
0.64	0.65	0.64	0.65	0.57	0.57
0.62	0.63	0.61	0.61	0.56	0.56
0.53	0.46	0.51	0.45	0.42	0.40