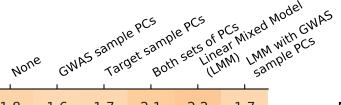
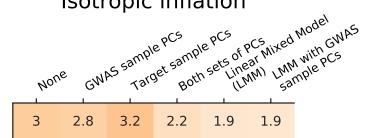
## Comparison of SAD variance among methods to adjust for population structure

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



## Isotropic inflation



Non	ie <sup>GMI</sup>	us sampli	e PCs Jet sampl Both	ne PCS In sets of F Line (LI)	yw) rww su wixeg	Mode GWAS I with PCs The PCs
1.8	1.6	1.7	2.1	2.2	1.7	Median across traits

0	1	0	0	0	0
4	1	4	2	5	2
1	2	1	2	0	0
1	0	0	2	0	1
0	0	0	0	1	0
0	0	0	0	0	0
3	3	3	3	2	2
1	2	3	4	4	2
0	1	0	0	1	0
1	1	0	2	4	5
0	1	1	3	0	1
0	1	0	2	0	0
6	7	6	8	8	8
2	2	2	2	1	1
5	0	2	0	5	0
6	5	6	6	7	7
1	1	1	0	0	0

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

1.74	8.93	1.71	1.72	1.02	1.02
1.46	4.17	1.62	1.46	1.12	1.05
4.53	3.90	4.32	4.27	3.98	3.05
3.35	3.69	2.38	2.92	2.54	2.75
2.96	3.44	5.48	3.50	2.68	2.52
2.91	3.41	3.32	3.12	3.13	7.89
4.59	3.00	2.12	2.02	1.34	1.32
1.82	2.19	2.24	2.25	1.44	1.56
6.95	2.14	3.24	2.08	1.20	1 1 5
		0.2.	2.00	1.20	1.15
2.10	2.04	2.43	2.95	5.00	1.15
2.10 3.97	2.04 1.75				
		2.43	2.95	5.00	1.46
3.97	1.75	2.43 1.73	2.95 1.66	5.00	1.46 1.15
3.97 1.68	1.75 1.71	2.43 1.73 2.61	2.95 1.66 1.61	5.00 1.08 2.17	1.46 1.15 1.41
3.97 1.68 3.49	1.75 1.71 1.63	2.43 1.73 2.61 2.65	2.95 1.66 1.61 1.63	5.00 1.08 2.17 0.98	1.46 1.15 1.41 0.98
3.97 1.68 3.49 3.68	1.75 1.71 1.63 1.59	2.43 1.73 2.61 2.65 3.32	2.95 1.66 1.61 1.63 1.61	5.00 1.08 2.17 0.98 1.23	1.46 1.15 1.41 0.98 1.24