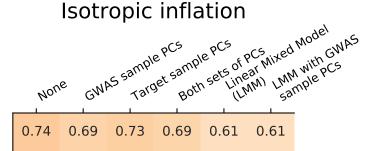
## Comparison of SAD variance among methods to adjust for population structure

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

## Isotropic inflation



None GWAS sample PCs Target sample PCs Linear Mixed Model (LMM) LMM with PCs (LMM) Lyample PCs								
2	1	2	1	2	2	Median across traits		

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

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

1.69	1.26	1.63	1.27	1.06	1.04
1.08	1.00	1.06	1.00	0.69	0.69
1.19	0.96	1.18	0.98	0.80	0.77
0.93	0.96	0.94	0.95	0.75	0.75
0.74	0.77	0.75	0.78	0.76	0.77
0.75	0.73	0.73	0.72	0.59	0.58
0.76	0.72	0.75	0.70	0.60	0.59
0.68	0.70	0.67	0.69	0.64	0.64
0.77	0.69	0.77	0.75	0.76	0.74
0.71	0.68	0.71	0.69	0.58	0.58
0.69	0.68	0.67	0.67	0.59	0.60
0.90	0.66	0.89	0.66	0.68	0.65
0.64	0.66	0.65	0.67	0.54	0.55
0.65	0.66	0.65	0.67	0.61	0.61
0.61	0.62	0.58	0.59	0.57	0.59
0.56	0.55	0.57	0.56	0.51	0.51
0.56	0.49	0.57	0.49	0.42	0.40