

Table S-4. Genomic inflation, marginal effects.

Condition	Dataset	λ (genomic inflation factor)		
		No adjustment	Adjustment for PC1, PC2	Adjustment for PC1, PC2, sex, age
Allergic rhinitis	Discovery	1.03	1.03	1.03
	Replication	1.01	1.01	1.01
Asthma	Discovery	1.03	1.03	1.03
	Replication	1.02	1.02	1.02
Cardiac disease	Discovery	1.14	1.02	1.02
	Replication	1.00	1.00	1.00
Depression	Discovery	1.04	1.01	1.02
	Replication	1.01	1.01	1.01
Dermatophytosis	Discovery	1.23	1.02	1.02
	Replication	1.04	1.00	1.00
Diabetes, type 2	Discovery	1.08	1.08	1.09
	Replication	1.02	1.01	1.02
Dyslipidaemia	Discovery	1.11	1.07	1.08
	Replication	1.04	1.00	1.02
Hemorrhoids	Discovery	1.04	1.01	1.01
	Replication	1.03	1.00	1.00
Hypertensive disease	Discovery	1.30	1.10	1.13
	Replication	1.01	1.01	1.00
Osteoarthritis	Discovery	1.03	1.02	1.03
	Replication	1.01	1.01	1.01

Red shading indicates $\lambda > 1.05$.