

Table S1. Sample size and genetic markers for WTCCC diseases and for GIANT anthropometric traits

Disease	prev	sample size		N M GW SNPs	N F GW SNPs
	M:F	N M	N F		
AS	2:1	3,808	3,147	6,716,144	6,716,144
BD	1:1	1,895	2,318	4,218,614	4,218,614
CAD	1:1	2,692	1,719	4,216,112	4,216,112
CD	1:1	1,899	2,303	4,225,560	4,225,560
HT	1:1	1,992	2,402	4,212,155	4,212,155
MS	1:3	5,307	9,092	6,716,144	6,716,144
RA	1:2	1,727	2,599	4,216,383	4,216,383
T1D	3:2	2,198	2,214	4,210,551	4,210,551
T2D	1:1	2,276	2,033	4,221,690	4,221,690
BMI	-	152,893	171,977	2,477,631	2,494,585
HIP	-	94,790	118,528	2,213,803	2,466,815
HIP-a	-	93,965	117,340	2,188,856	2,466,815
WC	-	104,406	127,998	2,302,005	2,444,355
WC-a	-	104,079	127,470	2,294,966	2,473,036
WHR	-	94,434	118,004	2,207,530	2,466,102
WHR-a	-	93,480	116,742	2,146,137	2,467,779
HEIGHT	-	60,586	73,137	2,762,772	2,748,520
WEIGHT	-	58,351	67,594	2,760,764	2,746,981

Abbreviations: prev ratio in prevalence; N M: male number; N F: female number; N M GW SNPs genome-wide SNPs available for male dataset; N F GW SNPs genome-wide SNPs available for female dataset