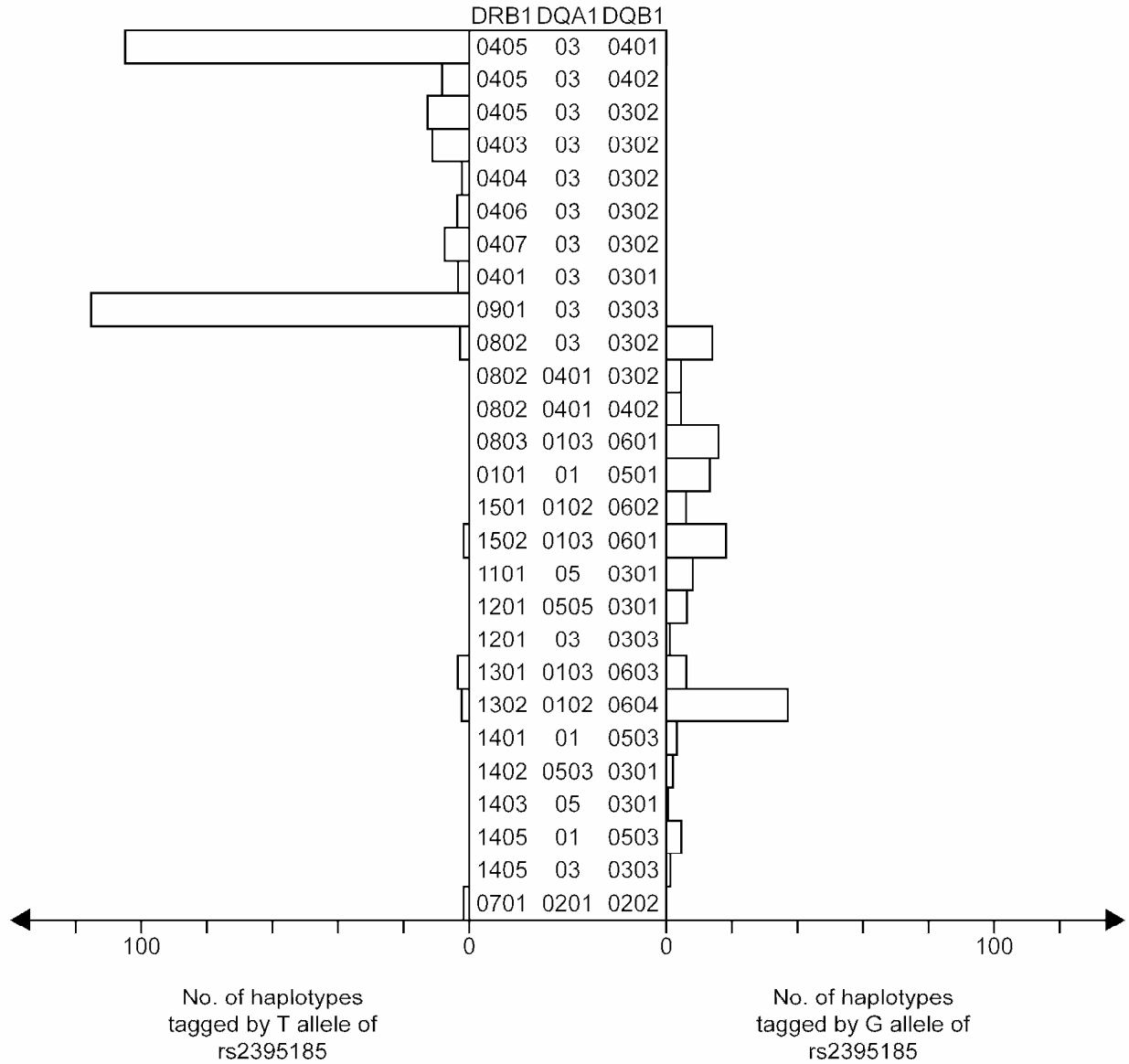


**Online Appendix Table 1.** Allele and genotype distributions of rs2395185 and rs3129888 in patients with type 1 diabetes and control subjects.

SNP	Patients with type 1 diabetes (n=201) (%)	Control subjects (n=300) (%)	OR (95% CI)	p
rs2395185				
allele				
T	64.4 (259/402)	38.7 (232/600)	2.87 (2.21–3.74)	<0.0001
G	35.6 (143/402)	61.3 (368/600)	1	
genotype				
TT	41.3 (83/201)	13.0 (39/300)	9.49 (5.37–17.3)	<0.0001
GT	46.8 (94/201)	51.3 (154/300)	2.72 (1.65–4.62)	0.0001
GG	11.9 (24/201)	35.7 (107/300)	1	
rs3129888				
allele				
G	7.0 (28/402)	6.5 (39/600)	1.08 (0.65–1.77)	0.77
A	93.0 (374/402)	93.5 (561/600)	1	
genotype				
GG	0.5 (1/201)	0.0 (0/300)		
AG	12.9 (26/201)	13.0 (39/300)	1.00 (0.58–1.69)	1.00
AA	86.6 (174/201)	87.0 (261/300)	1	

The odds ratio for the GG genotype of rs3129888 was not calculated because only one patient with type 1 diabetes had this genotype.

**Online Appendix Figure 1.** Relationship between the alleles of rs2395185 and HLA DR-DQ haplotypes. This relationship was constructed based on the finding that the T allele of rs2395185 tags DRB1\*0405, which was supported by a perfect match between both homozygotes (Fig. 1A) and the report of de Bakker et al. (5).



**Online Appendix Figure 2.** Relationships between genotypes of rs411326 and haplotype combinations of those involving HLA-DRB1\*0405 (0405) or not (X) (A), genotypes of rs6457617 and haplotype combinations of those involving HLA-DQA1\*03 (03) or not (X) (B), and genotypes of rs3998159 and haplotype combinations of those involving HLA-DQB1\*0303 (0303) or not (X) (C). In panel A, diagonally lined portions in the bar indicate that haplotype X (one of the X haplotypes in the case of X/X) involves DR4 or DR9, and the portions colored black in the bar indicate that the haplogenotype X/X consists of two copies of haplotypes involving DR4 or DR9. The sensitivity of the C allele of rs411326 for capturing DRB1\*0405 was 90.6% (116/128), but the specificity was 64.4% ( 87 /135). The sensitivity of the T allele of rs6457617 for capturing haplotypes involving DQA1\*03 was 98.9% (282/285), but the specificity was 64.4% (87/135). The sensitivity of rs3998159 for capturing haplotypes involving DQB1\*0303 was 99.1% (108/109), but the specificity was 17.4% (54/311).

