**Table S3: The correlation coefficient r between the associated SNPs in the HLA region and common HLA-DRB1 alleles**

|  |  |
| --- | --- |
|  | *Correlation to individual HLA-DRB1\*alleles ( n= 822 Norwegian samples)* |
| **HLA SNP\_allele** | **\*15** | **\*04** | **\*03** | **\*13** | **\*01** | **\*07** |
| rs2395157\_G | -0.32 | 0.72 | -0.27 | 0.02 | -0.10 | 0.29 |
| rs3817963\_G | -0.32 | 0.72 | -0.27 | 0.02 | -0.10 | 0.29 |
| rs3129871\_C | -0.70 | 0.41 | 0.38 | 0.10 | 0.28 | -0.19 |
| rs9268906\_G | -0.36 | 0.80 | -0.28 | -0.17 | -0.02 | 0.47 |
| rs34083746\_G | -0.32 | 0.99 | -0.21 | -0.14 | -0.01 | -0.06 |
| rs3828840\_A | 0.78 | -0.38 | -0.33 | -0.31 | 0.22 | -0.17 |
| rs9271640\_A | 0.88 | -0.37 | -0.26 | -0.30 | -0.31 | -0.13 |
| rs3129720\_A | 0.71 | -0.41 | -0.37 | 0.37 | -0.16 | -0.15 |
| rs9275563\_A | -0.40 | 0.65 | -0.32 | -0.16 | -0.06 | 0.40 |
| rs3957148\_G | -0.27 | 0.87 | -0.17 | -0.12 | -0.03 | -0.07 |

*Abbreviations:* HLA = Human leukocyte antigen, SNP = single nucleotide polymorphism