**Table S5.** Summary of similarity scores (*SC*) for each HLA gene (at 2-digit resolution) in HRS European Americans.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***HLA gene*** | ***Similarity Score (SC)1*** | ***Similarity Score (SC)2*** | | ***Two-sided p-value*** |
| *Mean* | *St dev.* |
| *A* | *427* | *438.21* | *14.54* | *0.441* |
| *C* | *414* | *439.67* | *14.55* | *0.078* |
| *B* | *249* | *266.34* | *13.54* | *0.200* |
| *DRB1* | *362* | *358.33* | *15.35* | *0.811* |
| *DQA1* | *693* | *708.29* | *16.18* | *0.345* |
| *DQB1* | *662* | *670.63* | *16.71* | *0.606* |
| *DPA1* | *1306* | *1307.92* | *13.17* | *0.884* |
| *DPB1* | *737* | *733.26* | *13.32* | *0.779* |

1Similarity scores between spouses; 2Similarity scores summarized from normal distribution.