**Tables S4 The most frequent ancestry specific HLA haplotypes**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Ancestry | Selection of frequent HLA ancestral haplotypes  | also frequent in  |   | Ancestry | Selection of frequent HLA ancestral haplotypes  | also frequent in  |
| European | A\*0101~B\*0801~DRB1\*0301 |   |   | Asians | A\*3303~B\*5801~DRB1\*0301 |   |
| A\*0301~B\*0702~DRB1\*1501 |   |  | A\*0207~B\*4601~DRB1\*0901 |   |
| A\*0201~B\*4402~DRB1\*0401 |   |  | A\*3303~B\*4403~DRB1\*0701 |   |
| A\*0201~B\*0702~DRB1\*1501 |   |  | A\*3001~B\*1302~DRB1\*0701 | Europeans |
| A\*2902~B\*4403~DRB1\*0701 | Hispanics |  | A\*3303~B\*5801~DRB1\*1302 |   |
| A\*0201~B\*1501~DRB1\*0401 |   |  | A\*1101~B\*1502~DRB1\*1202 |   |
| A\*0101~B\*5701~DRB1\*0701 |   |  | A\*2402~B\*5201~DRB1\*1502 |   |
| A\*0301~B\*3501~DRB1\*0101 |   |  | A\*0101~B\*5701~DRB1\*0701 | Europeans |
| A\*3001~B\*1302~DRB1\*0701 | Asians |  | A\*3303~B\*4403~DRB1\*1302 |   |
| A\*0201~B\*0801~DRB1\*0301 |   |  | A\*0101~B\*3701~DRB1\*1001 |   |
| A\*0201~B\*4001~DRB1\*1302 |   |  | Africans | A\*3001~B\*4201~DRB1\*0302 |   |
| A\*0201~B\*5701~DRB1\*0701 |   |  | A\*0101~B\*0801~DRB1\*0301 | Europeans |
| Hispanics | A\*2902~B\*4403~DRB1\*0701 |   |  | A\*6801~B\*5802~DRB1\*1201 |   |
| A\*0101~B\*0801~DRB1\*0301 | Europeans |  | A\*6802~B\*1510~DRB1\*0301 |   |
| A\*0301~B\*0702~DRB1\*1501 | Europeans |  | A\*3303~B\*5301~DRB1\*0804 |   |
| A\*3002~B\*1801~DRB1\*0301 |   |  | A\*3601~B\*5301~DRB1\*1101 |   |
| A\*3301~B\*1402~DRB1\*0102 |   |  | A\*0301~B\*0702~DRB1\*1501 | Hispanics |
| A\*6803~B\*3905~DRB1\*0407 |   |  | A\*3402~B\*4403~DRB1\*1503 |   |
| A\*2301~B\*4403~DRB1\*0701 |   |  | A\*2902~B\*4403~DRB1\*0702 | Hispanics |
| A\*2402~B\*3906~DRB1\*1406 |   |  | A\*0201~B\*4402~DRB1\*0401 | Europeans |
| A\*0201~B\*0702~DRB1\*1501 | Europeans |  |  |  |  |
| A\*0206~B\*3905~DRB1\*0407 |   |  |  |  |  |