Table S5. *DRB1-DRB3/DRB4/DRB5* haplotypes and their median read numbers

| DR haplotype | DR type | *DRB1* type | *DRB1* allele name | *DRB3/DRB4/DRB5* allele name | Haplotype number | Reads at median in *DRB1* | Reads at median in *DRB3/DRB4/DRB5* |
|--------------|---------|-------------|--------------------|-------------------------------|-------------------|--------------------------|-----------------------------------|
| DR3          | DR3     | DRB1*03:01:01 | DRB3*02:02:01     | 1                             | 140,371           | 17,026                   |
| DR11         |         | DRB1*11:01:01 | DRB3*02:02:01     | 2                             | 122,262           | 22,171                   |
| DR5          |         | DRB1*12:01:01 | DRB3*01:01:02     | 5                             | 134,929           | 39,881                   |
| DR12         |         | DRB1*12:01:01 | DRB3*01:01:05     | 2                             | 143,183           | 42,094                   |
| DR52         |         | DRB1*12:02:01 | DRB3*03:01:03     | 2                             | 106,214           | 24,142                   |
| DR13         |         | DRB1*13:01:01 | DRB3*01:01:02     | 3                             | 115,346           | 32,855                   |
| DR14         |         | DRB1*13:02:01 | DRB3*03:01:01     | 10                            | 125,640           | 39,785                   |
| DR6          |         | DRB1*14:03:01 | DRB3*01:01:02     | 5                             | 147,258           | 34,972                   |
| DR15         |         | DRB1*14:05:01 | DRB3*02:02:01     | 5                             | 111,483           | 26,177                   |
| DR16         |         | DRB1*14:06:01 | DRB3*02:02:01     | 4                             | 128,564           | 36,822                   |
| DR53         |         | DRB1*14:07:01 | DRB3*02:02:01     | 2                             | 130,309           | 33,453                   |
| DR17         |         | DRB1*14:54:01 | DRB3*02:02:01     | 6                             | 107,240           | 18,330                   |
| DR7          | DR7     | DRB1*04:01:01 | DRB4*01:01:02     | 2                             | 113,101           | 50,486                   |
| DR8          | DR8     | DRB1*04:03:01 | DRB4*01:03:01     | 7                             | 112,638           | 60,666                   |
| DR18         |         | DRB1*04:04:01 | DRB4*01:03:01     | 3                             | 109,306           | 58,403                   |
| DR19         |         | DRB1*04:05:01 | DRB4*01:03:01     | 15                            | 116,002           | 54,489                   |
| DR20         |         | DRB1*04:05:01 | DRB4*03:03:02     | 1                             | 117,672           | 43,797                   |
| DR21         |         | DRB1*04:06:01 | DRB4*03:03:01     | 2                             | 120,304           | 53,462                   |
| DR22         |         | DRB1*04:07:01 | DRB4*03:03:01     | 2                             | 114,593           | 62,977                   |
| DR23         |         | DRB1*04:10:03 | DRB4*03:03:01     | 3                             | 97,589            | 65,618                   |
| DR7          | DR7     | DRB1*07:01:01 | DRB4*01:03:01     | 3                             | 108,221           | 62,668                   |
| DR8          | DR8     | DRB1*09:01:02 | DRB4*01:03:02     | 12                            | 136,632           | 82,865                   |
| DR19         |         | DRB1*09:01:02 | DRB4*01:03:03     | 4                             | 142,761           | 59,098                   |
| DR51         | DR2     | DRB1*15:01:01 | DRB5*01:01:01     | 14                            | 104,271           | 52,615                   |
| DR16         |         | DRB1*15:02:01 | DRB5*01:02:01     | 21                            | 121,102           | 57,684                   |

Gray background indicates less than 3 haplotype numbers.