Supplementary Table S6. Number of non-referenced alleles in various blood donor panels. Observation numbers were less than five.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Allele name\*** | **WEUR (n=531)§** | **TUR (n=2,280)§** | **SYR (n=706)§** | **SSAF (n=70)§** | **SEEA (n=157)§** | **SAS (n=238)§** | **CSAM (n=78)§** | **NAF (n=227)§** | **IRAQ (n=167)§** | **IRAN (n=328)§** | **EEKCA (n=849)§** | **ARPE (n=195)§** | **OTH (n=2,207)** | **Total**  **(n=8,033)§** |
| *JK\*01.M352I* | - | 3 | - | - | - | - | - | - | - | 1 | - | - | - | 4 |
| *JK\*01W.04.303G\_A* | 1 |  | 1 | 1 |  |  |  |  |  |  |  |  | 1 | 4 |
| *JK\*02W.03.V10M\_V76I\_303G\_A* | - | 1 | 1 | 1 | - | - | - | - | - | - | - | - | 1 | 4 |
| *JK\*01.L364F* | - | 1 | 1 | - | - | - | - | - | - | - | - | - | 1 | 3 |
| *JK\*02W.03.840C\_T* | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | 3 |
| *JK\*02W.04.M167V\_588A\_G* | - | 2 | - | - | - | - | - | - | - | - | - | - | 1 | 3 |
| *JK\*01W.01.D11N\_588A\_G* | 1 | - | - | - | - | - | - | - | - | 1 | - | - | 1 | 3 |
| *JK\*01W.06.M167V* | - | - | - | - | 2 | - | 1 | - | - | - | - | - | - | 3 |
| *JK\*01.105T\_C* | - | 1 | 1 | - | - | - | - | - | - | - | - | - | - | 2 |
| *JK\*01.159C\_T* | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 |
| *JK\*01.E5+12T\_C* | - | - | - | - | - | - | 1 | - | - | - | - | 1 | - | 2 |
| *JK\*01.E4+10C\_T* | - | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 |
| *JK\*01W.01.516C\_T\_588A\_G* | - | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 |
| *JK\*01W.06.V54M* | - | - | - | - | - | - | - | 2 | - | - | - | - | - | 2 |
| *JK\*02N.08.588A\_G* | - |  | - | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *JK\*02W.03.957G\_A* | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 2 |
| *JK\*02W.03.E371K* | - | - | - | - | - | - | - | - | - | - | 2 | - | - | 2 |
| *JK\*02W.03.G325S* | - | - | 1 | - | - | - | - | - | - | 1 | - | - | - | 2 |
| *JK\*01.163delG* | - | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 |
| *JK\*01.E5-19T\_A* | - | - | 1 | - | - | - | - | - | - | - | - | - | - | 1 |
| *JK\*01.E8+31G\_A* | - | - | - | 1 | - | - | - | - | - | - | - | - | - | 1 |
| *JK\*01.E9+18T\_C* | - | - | 1 | - | - | - | - | - | - | - | - | - | - | 1 |
| *JK\*01.E9-13T\_C* | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *JK\*01.G27R* | - | - | - | - | - | 1 | - | - | - | - | - | - | - | 1 |
| *JK\*01.G96V* | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *JK\*01.L188F\_561C\_T* | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| *JK\*01.N373I* | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *JK\*01.R64Q* | - | - | - | - | - | - | - | - | - | - | 1 | - | - | 1 |
| *JK\*01.T308I* | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *JK\*01.T346M* | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *JK\*01.V367A* | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 1 |
| *JK\*01.V54M* | - | - | - | - | - | 1 | - | - | - | - | - | - | - | 1 |
| *JK\*01.V76A* | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *JK\*01.V87I* | - | - | 1 | - | - | - | - | - | - | - | - | - | - | 1 |
| *JK\*01.V8F* | - | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 |
| *JK\*01N.09.V175I* | - | - | - | 1 | - | - | - | - | - | - | - | - | - | 1 |
| *JK\*01W.01.219C\_T\_588A\_G* | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *JK\*01W.01.279T\_C\_588A\_G* | - | - | - | - | 1 | - | - | - | - | - | - | - | - | 1 |
| *JK\*01W.01.588A\_G\_E9-7T\_C* | - | - | - | - | 1 | - | - | - | - | - | - | - | - | 1 |
| *JK\*01W.01.F329V\_588A\_G* | - | - | - | - | - | 1 | - | - | - | - | - | - | - | 1 |
| *JK\*01W.01.P205S\_588A\_G* | - | - | - | - | 1 | - | - | - | - | - | - | - | - | 1 |
| *JK\*01W.01.T127I\_588A\_G* | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *JK\*01W.02.402T\_C\_588A\_G\_E5-24C\_T* | - | - | - | - | - | - | - | 1 | - | - | - | - | - | 1 |
| *JK\*02N.05.588A\_G* | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *JK\*02N.06.588A\_G* | - | - | - | - | 1 | - | - | - | - | - | - | - | - | 1 |
| *JK\*02N.09.210G\_A\_588A\_G* | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *JK\*02N.17.588A\_G\_1095T\_C* | - | - | 1 | - | - | - | - | - | - | - | - | - | - | 1 |
| *JK\*02N.17.588A\_G\_957G\_A* | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *JK\*02W.03.1047C\_T* | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *JK\*02W.03.56insA\_549G\_A* | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *JK\*02W.03.591C\_T* | - | - | - | - | 1 | - | - | - | - | - | - | - | - | 1 |
| *JK\*02W.03.667C\_T* | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *JK\*02W.03.678A\_T* | - | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 |
| *JK\*02W.03.69G\_A* | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| *JK\*02W.03.948C\_G* | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 1 |
| *JK\*02W.03.D113E* | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 |
| *JK\*02W.03.E8-38C\_G* | - | - | 1 | - | - | - | - | - | - | - | - | - | - | 1 |
| *JK\*02W.03.E9+9G\_T* | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| *JK\*02W.03.F376L* | - | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 |
| *JK\*02W.03.I375V* | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 1 |
| *JK\*02W.03.K355N\_E9+9G\_T* | - | - | - | - | - | - | - | 1 | - | - | - | - | - | 1 |
| *JK\*02W.03.L322F* | - | - | - | - | - | - | - | - | - | - | 1 | - | - | 1 |
| *JK\*02W.03.M7V* | - | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 |
| *JK\*02W.03.N211S* | - | - | - | - | - | - | - | - | - | - | 1 | - | - | 1 |
| *JK\*02W.03.P363H* | - | - | - | - | - | - | - | - | 1 | - | - | - | - | 1 |
| *JK\*02W.03.T95I\_V175I* | - | - | - | - | - | - | - | - | - | 1 | - | - | - | 1 |
| *JK\*02W.03.V76I* | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| *JK\*02W.03.V385M* | - | - | - | - | - | - | - | - | - | 1 | - | - | - | 1 |
| *JK\*02W.03.W144R* | - | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 |
| *JK\*02W.03.Y37X* | - | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 |

\*Details of alleles are given in Table 4. §Total number of sample. WEUR, Western Europe; TUR: Turkey; SYR, Syria; SSAF, Sub-Saharan Africa; SEEA, South East and East Asia; SAM, South America; NAF, Northern Africa; EEKCA, Eastern Europe, Caucasus and Central Asia; ARPE, Arabian Peninsula; OTH, Others (Country of origin not specified).