**Supplementary Table 1**

|                  | HLA-A | HLA-B          |
|------------------|-------|----------------|
| Mat. Blood #1    | 02:01 | 07:02; 45:01  |
| Mat. Blood #2    | 01:01; 02:01 | 08:01; 44:02 |
| Mat. Blood #3    | 03:01; 68:01 | 07:02; 44:02 |
| Mat. Blood #4    | 03:01; 32:01 | 07:02          |
| QG1              | 01:01; 68:01 | 08:01; 44:02  |
| QH1              | 02:01 | 07:02          |
| RC2              | 03:01 | 44:02; 56:01  |
| JEG-3            | 01:01; 11:01 | 08:13; 35:01  |
| JAR              | 03:01; 30:02 | 07:02; 47:01  |