**Additional file 1: Table S1:** Frequencies of HLA-A, HLA-B and HLA-C alleles in the study population

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **HLA class A** | **Allelic frequency [N (%)]** | **HLA class B** | **Allelic frequency [N (%)]** | **HLA class C** | **Allelic frequency [N (%)]** |
| **A\*01** | 38 (6.1) | **B\*07** | 81 (13.0) | **C\*01** | 8(1.3) |
| **A\*02** | 165(26.4) | **B\*08** | 13(2.1) | **C\*02** | 75(12.0) |
| **A\*03** | 34(5.4) | **B\*13** | 9(1.4) | **C\*03** | 34(5.4) |
| **A\*06** | (0.3) | **B\*14** | 30(4.8) | **C\*04** | 83(13.3) |
| **A\*07** | 2(0.3) | **B\*15** | 44(7.1) | **c\*05** | 8(1.3) |
| **A\*08** | 1(0.2) | **B\*18** | 20(3.2) | **C\*06** | 91(14.6) |
| **A\*11** | 10(1.6) | **B\*27** | 12(1.9) | **C\*07** | 144(23.1) |
| **A\*15** | 1(0.2) | **B\*32** | 1(0.2) | **C\*08** | 43(6.9) |
| **A\*21** | 1(0.2) | **B\*33** | 1(0.2) | **C\*12** | 27(4.3) |
| **A\*23** | 44(7.1) | **B\*35** | 68(10.9) | **C\*14** | 29(4.6) |
| **A\*24** | 7(1.1) | **B\*37** | 8(1.3) | **C\*15** | 17(2.7) |
| **A\*25** | 4(0.6) | **B\*38** | 6(1.0) | **C\*16** | 20(3.2) |
| **A\*26** | 8(1.3) | **B\*39** | 5(0.8) | **C\*17** | 34(5.4) |
| **A\*28** | 2(0.3) | **B\*40** | 19(3.0) | **C\*18** | 11(1.8) |
| **A\*29** | 38(6.1) | **B\*41** | 4(0.6) |  |  |
| **A\*30** | 88(14.1) | **B\*42** | 25(4.0) |  |  |
| **A\*31** | 27(4.3) | **B\*44** | 77(12.3) |  |  |
| **A\*32** | 25(4.0) | **B\*45** | 17(2.7) |  |  |
| **A\*33** | 27(4.3) | **B\*46** | 1(0.2) |  |  |
| **A\*34** | 9(1.4) | **B\*47** | 12(1.9) |  |  |
| **A\*36** | 15(2.4) | **B\*48** | 6(1.0) |  |  |
| **A\*66** | 21(3.4) | **B\*49** | 20(3.2) |  |  |
| **A\*68** | 34(5.4) | **B\*50** | 6(1.0) |  |  |
| **A\*74** | 15(2.4) | **B\*51** | 22(3.5) |  |  |
| **A\*80** | 6(1.0) | **B\*52** | 2(0.3) |  |  |
|  |  | **B\*53** | 37(5.9) |  |  |
|  |  | **B\*56** | 2(0.3) |  |  |
|  |  | **B\*57** | 7(1.1) |  |  |
|  |  | **B\*58** | 63 (10.1) |  |  |
|  |  | **B\*73** | 1(0.2) |  |  |
|  |  | **B\*81** | 4(0.6) |  |  |
|  |  | **B\*82** | 1(0.2) |  |  |

*N: number of allele*