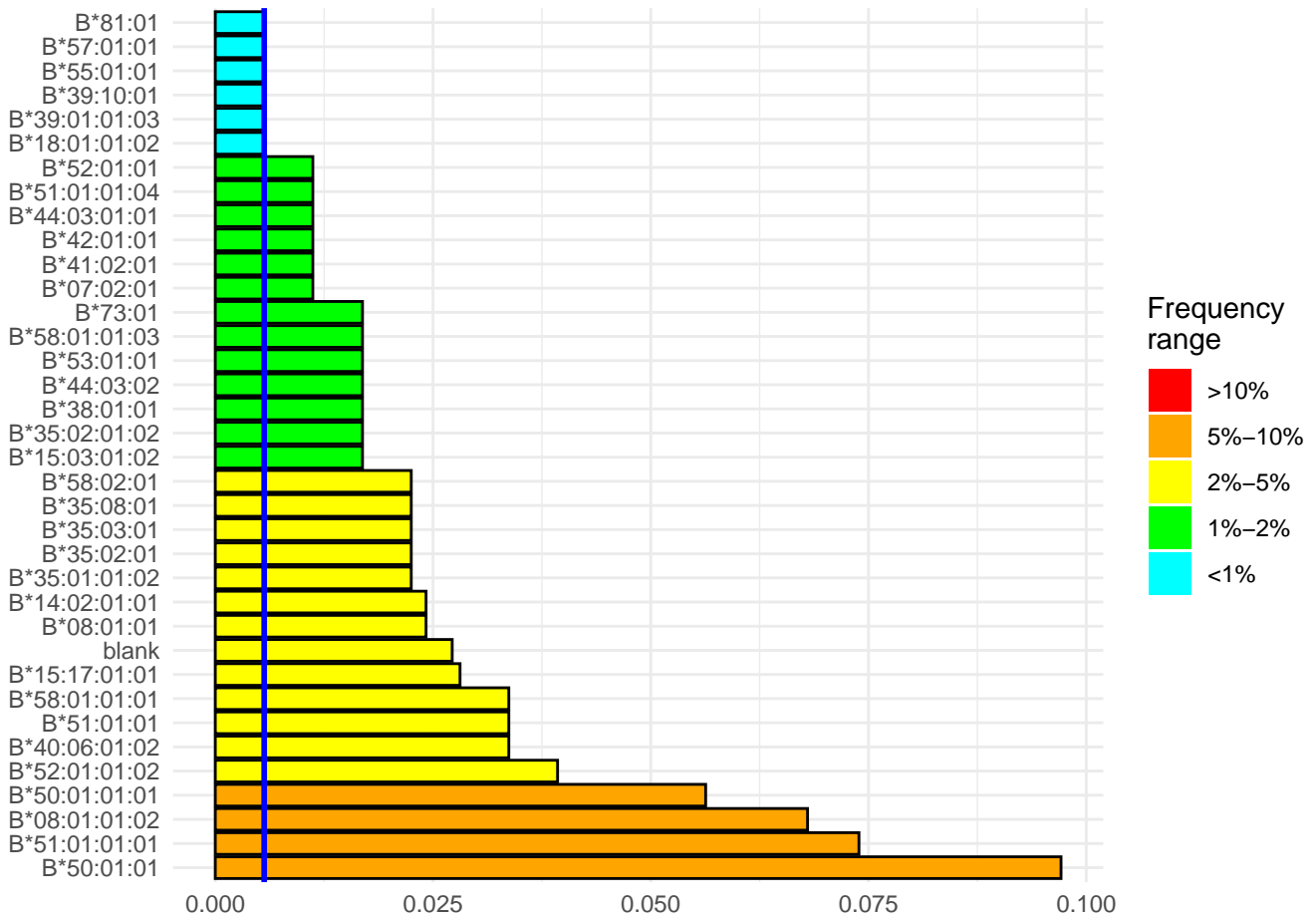


## Summary results for HLA-B in EMI



Sample size: 89

Estimated heterozygosity: 0.9635

Hardy-Weinberg equilibrium test p-value: 0.8180356

Ewens-Watterson-Slatkin neutrality test: FDR p.adj min: 0.020 max: 0.025

There are 23 low frequency alleles or haplotypes not shown above.

Follows the complete list of alleles, including those with lower and null frequencies not shown before.

|    | <b>Allele or Haplotype Name</b> | <b>Frequency Estimate</b> |
|----|---------------------------------|---------------------------|
| 1  | B*55:01:01                      | 0.0056                    |
| 2  | B*39:10:01                      | 0.0056                    |
| 3  | B*39:01:01:03                   | 0.0056                    |
| 4  | B*81:01                         | 0.0056                    |
| 5  | B*57:01:01                      | 0.0056                    |
| 6  | B*18:01:01:02                   | 0.0056                    |
| 7  | B*15:02:01                      | 0.0056                    |
| 8  | B*49:01:01                      | 0.0056                    |
| 9  | B*15:01:01:01                   | 0.0056                    |
| 10 | B*15:13:01                      | 0.0056                    |
| 11 | B*44:02:01:01                   | 0.0056                    |
| 12 | B*44:05:01                      | 0.0056                    |
| 13 | B*15:16:01:02                   | 0.0056                    |
| 14 | B*27:04:01                      | 0.0056                    |
| 15 | B*15:220                        | 0.0056                    |
| 16 | B*41:01:01                      | 0.0056                    |
| 17 | B*27:07:01                      | 0.0056                    |
| 18 | B*51:01                         | 0.0056                    |
| 19 | B*07:02:01:01                   | 0.0056                    |
| 20 | B*51:02:01                      | 0.0056                    |
| 21 | B*13:02:01                      | 0.0056                    |
| 22 | B*35:01:01:05                   | 0.0056                    |
| 23 | B*52:01:01:01                   | 0.0056                    |
| 24 | B*39:31:01                      | 0.0056                    |
| 25 | B*51:08:01                      | 0.0056                    |
| 26 | B*15:10:01                      | 0.0056                    |
| 27 | B*55*01:01                      | 0.0056                    |
| 28 | B*45:01:01                      | 0.0056                    |
| 29 | B*07:05:01                      | 0.0056                    |
| 30 | B*41:02:01                      | 0.0112                    |
| 31 | B*07:02:01                      | 0.0112                    |
| 32 | B*42:01:01                      | 0.0112                    |
| 33 | B*44:03:01:01                   | 0.0112                    |
| 34 | B*51:01:01:04                   | 0.0112                    |
| 35 | B*52:01:01                      | 0.0112                    |
| 36 | B*44:03:02                      | 0.0169                    |

|    | <b>Allele or Haplotype Name</b> | <b>Frequency Estimate</b> |
|----|---------------------------------|---------------------------|
| 37 | B*53:01:01                      | 0.0169                    |
| 38 | B*38:01:01                      | 0.0169                    |
| 39 | B*15:03:01:02                   | 0.0169                    |
| 40 | B*35:02:01:02                   | 0.0169                    |
| 41 | B*58:01:01:03                   | 0.0169                    |
| 42 | B*73:01                         | 0.0169                    |
| 43 | B*35:01:01:02                   | 0.0225                    |
| 44 | B*35:03:01                      | 0.0225                    |
| 45 | B*35:02:01                      | 0.0225                    |
| 46 | B*58:02:01                      | 0.0225                    |
| 47 | B*35:08:01                      | 0.0225                    |
| 48 | B*14:02:01:01                   | 0.0242                    |
| 49 | B*08:01:01                      | 0.0242                    |
| 50 | blank                           | 0.0272                    |
| 51 | B*15:17:01:01                   | 0.0281                    |
| 52 | B*58:01:01:01                   | 0.0337                    |
| 53 | B*40:06:01:02                   | 0.0337                    |
| 54 | B*51:01:01                      | 0.0337                    |
| 55 | B*52:01:01:02                   | 0.0393                    |
| 56 | B*50:01:01:01                   | 0.0563                    |
| 57 | B*08:01:01:02                   | 0.0680                    |
| 58 | B*51:01:01:01                   | 0.0739                    |
| 59 | B*50:01:01                      | 0.0971                    |