Appendix 1.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Welcome to PHASE\_KEY, PATIENTS Module** | | | | | | | | | | | | | |
| Haplotype Segregation Software, v. 1.0 | | | | | | | | | | | | | |
| Institute of Haematology and Transfusion Medicine, Warsaw, Poland | | | | | | | | | | | | | |
| http://www.ihit.waw.pl | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | |
| SUMMARY RESULTS OF HAPLOTYPE SEGREGATION | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | |
| Patient1: Chory 1 | | | | | | | | | | | | | |
| A\_1 | Cw\_1 | | B\_1 | DRB1\_1 | DQB1\_1 | HF | A\_1 | Cw\_1 | B\_1 | DRB1\_1 | DQB1\_1 | HF | P |
| 2501 | **0704** | | **4427** | 0701 | 0202 | 0,0011 | 2902 | 1601 | 4403 | 0401 | 0302 | 0,002229 | 0,43 |
|  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Patient2: Dawca I i II | | | | | | | | | | | | | |
| A\_1 | Cw\_1 | | B\_1 | DRB1\_1 | DQB1\_1 | HF | A\_1 | Cw\_1 | B\_1 | DRB1\_1 | DQB1\_1 | HF | P |
| 2501 | **0501** | | **4402** | 0701 | 0202 | 0,001129 | 2902 | 1601 | 4403 | 0401 | 0302 | 0,002229 | 0,49 |
|  | | | | | | | | | | | | | |
| Population details: | | | | | | | | | | | | | |
| Sample size: | | | 200 | | | Country: | Poland | | | | | | |
| Race: | | | Caucasian/White | | | Region: | Whole country | | | | | | |
| Ethnicity: | | | Polish | | | Bias: | Unbiased healthy voluntears | | | | | | |
|  | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | |
| DETAILED RESULTS OF HAPLOTYPE SEGREGATION | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | |
| Patient1: Chory 1 | | | | | | | | | | | | | |
| A\_1 | Cw\_1 | B\_1 | | DRB1\_1 | DQB1\_1 | HF | A\_1 | Cw\_1 | B\_1 | DRB1\_1 | DQB1\_1 | HF | P |
| 2501 | **0704** | **4427** | | 0701 | 0202 | 0,0011 | 2902 | 1601 | 4403 | 0401 | 0302 | 0,002229 | 0,43 |
| 2501 | **0704** | **4427** | | 0701 | 0302 | 0,000694 | 2902 | 1601 | 4403 | 0401 | 0202 | 0,001274 | 0,301 |
| 2501 | **0704** | **4427** | | 0401 | 0302 | 0,000272 | 2902 | 1601 | 4403 | 0701 | 0202 | 0,000557 | 0,105 |
| 2501 | 1601 | 4403 | | 0701 | 0202 | 0,002871 | 2902 | **0704** | **4427** | 0401 | 0302 | 0,00026 | 0,101 |
| 2501 | **0704** | **4427** | | 0401 | 0202 | 0,000037 | 2902 | 1601 | 4403 | 0701 | 0302 | 0,000099 | 0,023 |
| 2501 | 1601 | 4403 | | 0401 | 0202 | 0,000111 | 2902 | **0704** | **4427** | 0701 | 0302 | 0,000074 | 0,022 |
| 2501 | 1601 | 4403 | | 0401 | 0302 | 0,000074 | 2902 | **0704** | **4427** | 0701 | 0202 | 0,000037 | 0,013 |
| Patient2: Dawca I i II | | | | | | | | | | | | | |
| A\_1 | Cw\_1 | B\_1 | | DRB1\_1 | DQB1\_1 | HF | A\_1 | Cw\_1 | B\_1 | DRB1\_1 | DQB1\_1 | HF | P |
| 2501 | **0501** | **4402** | | 0701 | 0202 | 0,001129 | 2902 | 1601 | 4403 | 0401 | 0302 | 0,002229 | 0,49 |
| 2501 | **0501** | **4402** | | 0701 | 0302 | 0,000579 | 2902 | 1601 | 4403 | 0401 | 0202 | 0,001274 | 0,202 |
| 2501 | 1601 | 4403 | | 0701 | 0202 | 0,002871 | 2902 | **0501** | **4402** | 0401 | 0302 | 0,000334 | 0,139 |
| 2501 | **0501** | **4402** | | 0401 | 0302 | 0,000285 | 2902 | 1601 | 4403 | 0701 | 0202 | 0,000557 | 0,132 |
| 2501 | **0501** | **4402** | | 0401 | 0202 | 0,000062 | 2902 | 1601 | 4403 | 0701 | 0302 | 0,000099 | 0,015 |
| 2501 | 1601 | 4403 | | 0401 | 0302 | 0,000074 | 2902 | **0501** | **4402** | 0701 | 0202 | 0,000037 | 0,011 |
| Opinion:  The level of mismatching: 2 alleles/antigens per 10 alleles tested (compatibility 8/10).  Haplotype analysis indicated that 2 mismatched alleles/antigens are located within the same haplotype and the second haplotype is matched. It is favorable condition as compared to 2 haplotype mismatch [4.3, 4.4, 4.5]. | | | | | | | | | | | | | |