## Supplementary Table S3

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| **Locus** | **# Validated Alleles** | **PPV (Accuracy)** |  |  |
| *HLA-DPB1* | 48 | 0.90 |  |  |
| *HLA-DRB3* | 190 | 0.94 |  |  |
| *HLA-DRB4* | 190 | 0.98 |  |  |
| *HLA-DRB5* | 190 | 0.99 |  |  |
|  |  |  |  |  |
| HLARES\_EU cross validation for additional loci and structural variation (second experiment, medium heterogeneity): 2/3 of the HLARES\_EU dataset are used as reference to impute the remaining 1/3. No call threshold is employed. Accuracy (PPV) for *HLA-DPB1* measured at 4-digit resolution, at 2-digit resolution (including one pseudo-allele for absence) for *DRB* orthologs. | | | | |