

**Supplementary Figure 1:** A snapshot of a potential novel allele in the *HLA* *DRB3* locus. A mismatch was identified in gDNA position 7953. Our sequencing results indicates a T in position 7953 while the closest allele *HLA-DRB3\*03:01* has a C at this position. The T is present in 93% of the reads within the second exon of the *HLA* *DRB3* locus, which will result in a change of the amino acid.