



Fig. S3 The HLA-B molecules carrying BW6 motif are more sensitive to amino acid substitutions. HLA-B molecules are divided into two groups based on Bw4 and Bw6 motif. The p values are calculated using the Mann Whitney U test with * $p < 0.05$. The overall median of the HLA-B molecules with a Bw6 motif is lower than that of molecules with a Bw4 motif, paired Mann Whitney U test, $p = 0.0001$.