

HLA-B Reference ATGCTGGTCATGGCGCCCCGAACCGTCTCCTGCTGCTCTCGGCGGCCCTGGCCCTGACCGAGACCTGGGCGGGCTCCCACTCCATGAGGTATTTCTACA
HLA-B*1502 ATGC**GGGTCA**CGGCGCCCCGAACCGTCTCCTGCTGCTCTCGG**GAG**CCCTGGCCCTGACCGAGACCTGGGCGGGCTCCCACTCCATGAGGTATTTCTACA

HLA-B Reference CCTCCGTGTCCCGGCCCGGCCGCGGGGAGCCCCGCTTCATCTCAGTGGGCTACGTGGACGACACCCAGTTTCGTGAGGTTTCGACAGCGACGCCGCGAGTCC
HLA-B*1502 CC**GCC**ATGTCCCGGCCCGGCCGCGGGGAGCCCCGCTTCATC**G**CAGTGGGCTACGTGGACGACACCCAGTTTCGTGAGGTTTCGACAGCGACGCCGCGAGTCC

HLA-B Reference GAGAGAGGAGCCGCGGGCGCCGTGGATAGAGCAGGAGGGGCGGAGTATTGGGACCGGAACACACAGATCTACAAGGCCAGGCACAGACTGACCGAGAG
HLA-B*1502 GAG**GAT**GG**CGCC**CCGGGCGCC**A**TGGATAGAGCAGGAGGGGCGGAGTATTGGGACCGGAACACACAGATCT**CCAAGACCACA**CACAGACT**T**ACCGAGAG

HLA-B Reference AGCCTGCGGAACCTGCGCGGCTACTACAACCAGAGCGAGGCCGGGTCTCACACCCTCCAGAGCATGTACGGCTGCGACGTGGGGCCGGACGGGCGCCTCC
HLA-B*1502 AGCCTGCGGAACCTGCGCGGCTACTACAACCAGAGCGAGGCCGGGTCTCACAT**TC**ATCCAGAG**GAT**GTAT**T**GGCTGCGACGTGGGGCCGGACGGGCGCCTCC

HLA-B Reference TCCGCGGGCATGACCAGTACGCCTACGACGGCAAGGATTACATCGCCCTGAACGAGGACCTGCGCTCCTGGACCGCCGCGGACACGGCGGCTCAGATCAC
HLA-B*1502 TCCGCGGG**T**ATGACCAGT**CC**GCCTACGACGGCAAGGATTACATCGCCCTGAACGAGGACCT**G**AGCTCCTGGACCGC**GG**CGGACACGGCGGCTCAGATCAC

HLA-B Reference CCAGCGCAAGTGGGAGGCGGCCCGTGAGGCGGAGCAGCGGAGAGCCTACCTGGAGGGCGAGTGCCTGGAGTGGCTCCGCAGATACCTGGAGAACGGGAAG
HLA-B*1502 CCAGCGCAAGTGGGAGGCGGCCCGTGAGGCGGAGCAGC**T**GAGAGCCTACCTGGAGGGC**CT**TGCTGCCTGGAGTGGCTCCGCAGATACCTGGAGAACGGGAAG

HLA-B Reference GACAAGCTGGAGCGCGCTGACCCCCCAAAGACACACGTGACCCACCACCCCATCTCTGACCATGAGGCCACCCTGAGGTGCTGGGCCCTGGGTTTCTACC
HLA-B*1502 GAG**AC**CGCT**G**CAGCGCG**G**GACCCCCCAAAGACACAT**T**GTGACCCACCACCCCATCTCTGACCATGAGGCCACCCTGAGGTGCTGGGCCCTGGG**CT**TCTACC

HLA-B Reference CTGCGGAGATCACACTGACCTGGCAGCGGGATGGCGAGGACCAAACCTCAGGACACTGAGCTTGTGGAGACCAGACCAGCAGGAGATAGAACCTTCCAGAA
HLA-B*1502 CTGCGGAGATCACACTGACCTGGCAGCGGGATGGCGAGGACCAAACCTCAGGACAC**C**GAGCTTGTGGAGACCAGACCAGCAGGAGATAGAACCTTCCAGAA

HLA-B Reference GTGGGCAGCTGTGGTGGTGCCTTCTGGAGAAGAGCAGAGATACACATGCCATGTACAGCATGAGGGGCTGCCGAAGCCCCTCACCTGAGATGGGAGCCG
HLA-B*1502 GTGGGCAGCTGTGGTGGTGCCTTCTGGAGAAGAGCAGAGATACACATGCCATGTACAGCATGAGGGGCTGCCGAAGCCCCTCACCTGAGATGGGAGCC**A**

HLA-B Reference TCTTCCCAGTCCACCGTCCCCATCGTGGGCATTGTTGCTGGCCTGGCTGTCTTAGCAGTTGTGGTCATCGGAGCTGTGGTCGCTGCTGTGATGTGTAGGA
HLA-B*1502 TCTTCCCAGTCCACC**A**TCCCCATCGTGGGCATTGTTGCTGGCCTGGCTGTCTTAGCAGTTGTGGTCATCGGAGCTGTGGTCGCT**A**CTGTGATGTGTAGGA

HLA-B Reference GGAAGAGTTTCAGGTGGAAAAGGAGGGAGCTACTCTCAGGCTGCGTGACGACAGTGGCCAGGGCTCTGATGTGTCTCTCACAGCTTGA
HLA-B*1502 GGAAGAG**C**TCAGGTGGAAAAGGAGGGAGCTACTCTCAGGCTGCGT**C**CAGCGACAGTGGCCAGGGCTCTGATGTGTCTCTCACAGCTTGA

Supplemental Figure S1. Nucleotide coding sequence alignment of HLA-B*15:02 and the reference sequence. Nucleotide differences between the two sequences are highlighted in blue. This alignment was generated using the IMGT/HLA Database's alignment tool (www.ebi.ac.uk/imgt/hla/align.html) and visualized in Jalview.(78)