**S7 Fig.**

Examples of sequences repaired by NHEJ resulting in mutations that restore the open reading frame.

**Δ10**

GTCTATATCATGGCCGACAAGCAGGCGGCCGCAAGCTTATCTGTCCCCTCCACCCCACAGTGGGGCCACTAGGGA

GTCTATATCATGGCCGACAAGCAGGCGGCCGCAAGCTTATCTGTCCCCTCCACCCCACAGT----------GGGA

CAGGATTGGTGACAGAAAAGCCCCATCCTTGGATCCCTCGAGAAAGAACGGCATCAAGGTGAACTTCAAGATCCG

CAGGATTGGTGACAGAAAAGCCCCATCCTTGGATCCCTCGAGAAAGAACGGCATCAAGGTGAACTTCAAGATCCG

**Δ79 +53,** GTCTATATCATGGCCGACAAGCAGGCGGCCGCAAGCTTATCTGTCCCCTCCACCCCACAGTGGGGCCACTAGGGA

GTCTATATCATGGCCGACAAGCAGGCGGCCGCGTCACCTGCAGCTGCCCAGACCTGGCACCCAGGAGAGGAGCAG

CAGGATTGGTGACAGAAAAGCCCCATCCTTGGATCCCTCGAGAAAGAACGGCATCAAGGTGAACTTCAAGATCCG

GCAGGGTCAG--------------------------CTCGAGAAAGAACGGCATCAAGGTGAACTTCAAGATCCG

**Δ91 +110** GTCTATATCATGGCCGACAAGCAGGCGGCCGCAAGCTTATCTGTCCCCTCCACCCCACAGTGGGGCCACTAGGGA

GTCTATATCATGGCCGACAAGCAGCGCCTCATAGCCTCATGGACACCTGTGTCGCCACCTTCCATGTGAAGCAGC

CAGGATTGGTGACAGAAAAGCCCCATCCTTGGATCCCTCGAG-------------------AAAGAACGGCATCA

AAGGCCCAGGTCCCGAAAGATGCAGTGACTTTTTGTCGTGGCAGCCAGTGGTGACTGGATTAAAGAACGGCATCA

**Δ93 +83,**

GTCTATATCATGGCCGACAAGCAGGCGGCCGCAAGCTTATCTGTCCCCTCCACCCCACAGTGGGGCCACTAGGGA

GTCTATATCATGGCCGACAAGCAGGACATTTCACCCCCCTCCCCAACAAAGAGTTATTAAAGAGCCCGCATGCAT

CAGGATTGGTGACAGAAAAGCCCCATCCTTGGATCCCTCGAGAAAGAACGGCATCAAGGTGAACTTCAAGATCCG

TTGTGGCTCCACAATTACATCAGCAGAATGGT-----------AAGAACGGCATCAAGGTGAACTTCAAGATCCG