### Table S1: *SynIII* minichunk plasmids

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Minichunks with pre-existing mutations: pNA082, 2324T deletion; pNA083, 467T deletion; pNA104, 1427T deletion; and pNA119, 825A deletion. The deletion numbers represent positions of mutations within the minichunks.

Minichunks that were digested with appropriate restriction enzymes to remove the mutated regions from overlapping BBs, but leaving sufficient overlap for HR.