Table S1. Primer sequences utilized in site-directed mutagenesis.

Aldolase variant	Primer Sequences
R40A	CAAAACGCGAAAGGTCTGTTGTC
	CCTTTCGCGTTTTGAGCCTCATG
N71A	GGCGACGCTTGGATGTTTCATGTAGCCGTAGAGC
	CATCCAAGCGTCGCCAGGAGCTACGAGAAC
H75A	CGGCTACAGCAAACATCCAATTGTCGCCAGGAGCTACGAGAACAG
	GGATGTTTGCTGTAGCCGTAGAGCAGTGTCGG
R123K	GGGTGTCCTTGACTCCTGCATCAACAATCAGGGCTCGTACTC
	GGAGTCAAGGACACCCAGACGTTACGCGACATGGGGTTC
G144V	CACAAGTCACTGTCAAGGAAACACTC
	CAGTGACTTGTGCATTGATGGCTC
T145A	CAAGGCGCTGTCAAGGAAACACTCGGCTC
	CTTGACAGCGCCTTGTGCATTGATGGCTC
K147A	CTGTCGCGGAAACACTCGGCTC
	GTGTTTCCGCGACAGTGCCTTGTG
R195A	GGCCAGCGGCTTCGGCTGCAGCTACTAGAGTGC
	GCAGCCGAAGCCGCTGGCCTAGAAGAGGAAAAGCG