

Supplemental Table 1. List of primers used for generating Asn mutants

Mutants		Primer Sequence
N240A	Forward	5' - CAGCGCCATCGGCGCCGTCACGGGAGAG - 3'
	Reverse	5' - CTCTCCCGTGACGGCGCCGATGGCGCTG - 3'
N339A	Forward	5' - CTGGCTTCCTTCCTTCGCTCAAACCCAGTTCCTC - 3'
	Reverse	5' - GAGGGAAGTGGGTTTGAGCGAAGGAAGGGAAGCCAG - 3'
N540A	Forward	5' - CAGGTGGATTCTCCCGCCACAGTGGGCAGAC - 3'
	Reverse	5' - GTCTGCCCACTGTGGGCGGGAGAATCCACCTG - 3'
N554A	Forward	5' - CAGGTGGTGTTACCGCTCCCAGCTGGGATGC - 3'
	Reverse	5' - GCATCCCAGCTGGGAGCGGTGAACACCACCTG - 3'
N754A	Forward	5' - GCTGCTGCGCTCCGCCAGCTCCGGGACC - 3'
	Reverse	5' - GGTCCCGGAGCTGGCGGAGCGCAGCAGC - 3'