Table S3 Model sequences of 100 nucleotide length from primary NCBI entry LK931484.1 with indicated number of random point mutations

sequence 1	**LK931484.1; 1-100**	A T T T T T C G A C C A G T A A A A A A T G G C T T A C G G A T T C C G C C G C C G C C G C T T T G G T C G C T C C C C G T C G C T C G T A C C G A C G A A G G C C C C G T T C G C C G C T A T T C C C G A A G G
Seq1.1	10 Mut	A T T T A T C G A C C A C T A T A A A A A T G C C T T C C G G A T A C C G C C G C C G C T T T G G T C G C T C C C G T C G C T C G T A C C G A C T A A G G C C C G T T C G C C G C T A T T A C T G A C G G
	15 Mut	C T T T A T C G A C C A C T A T A A A A A T G C C T T C C G G A T A C C G C C G C C T G C T T T G C T C G C T C C C G T C G C T C G T A C T G A C T A A G G C C C G T T C G C C G C T A T T A C T G C C G G
	20 Mut	C T T T A T C G A C C A C T A T A A A A A T G C C T T C C G G T T A C C G A G C G T T G C T T T G C T C G C T C C C G T C G C T C G T A C T G A C T A A T G C C C G T T C G C C G C T A T T A A T G C C G G
	25 Mut	C T T T A T C G A C C A C T A T A A A A A T G C C T T C C G G T T A C C A A C G T T G C T C T G C T C G C T C C C A G T C G C T C G T A C T G A C T A A T G C C C A T T C G C C G C A A T T A A T G C C G G
	30 Mut	C T T T A T C G A A A A C T A T A A A A A T G C C T T C C G G T T A C C A A C G T T G C T C T G C T C G C T C C C A G A C G C A C G T A C T G A C T A A T G C C C A T T C G C C G C A A T T A A T G C C A G
	35 Mut	C T T T A T A G A A A A C T A T A A C A T G C C T T C C G G T T A C C A A A G T T G C T C T G C T C G C T C C C A G A T G C A C G T A C T G A C T A A T G C C C A T T C G C C T C A A T T A A T G C C A G
	40 Mut	C T T T A T A G T A A A C T A T A A C A T G C C T T C C G G T T A C C A A A G T T G C T C T T C T C G C T C C C A G A T G C A T G T T C T G A C T A A T G C C C A T T C G C C T A A A T T A A T G C C A G
	45 Mut	C T A T A T A G T A A A C T A T A A C A T G C C T T C C G G T T A C C A A A G T T G C T C T T C T C G C T C C C A G A T G C A T G T T T T G A A T T A T G C C C A T T C G C C T A A A T T A A T G C C A G
	50 Mut	C T A T A T A G T A A T C T A T A A C A T G C C T T C C C G G T T A C C A A A G T T T C T C T T C C C G C C C C A G A T G C A T G T T T T G A A T T A T G C C C A T T C G C C T A A A T T A A T A C C A G
Seq1.2	10 Mut	A T T T A T C G A C T T G T A A A A A A T G G C T T A C G T A T T C C G C C G C C G C T A T G G T C G C T C C C G C C G C C T C G T A C C G T C G A A G G A C C G T T C G C A G C T A T T C C C A A A G G
	15 Mut	A T T T A T C G A C T T G T A T A A A A A T G A C T T A C G T A T T C C G C C G C C G C C T A T G G T T G C T C C C G C C G C C T C G T A C A G T C G A A G G A C C G T T C G C A G C T A T T C C C A A A C G
	20 Mut	A T T T A T C G A C T T G T A T A A A A A T G A C T T A C G T A T T C C G C C G C C G C C T A T G G T T G C T C C C G C C G C C T C G T A C A G T C G A A G G A T C G T T C G C A G C T C T T C C A A A C G
	25 Mut	A T T T A T C G A C T T G T A T C A A A A T G A C T C A C G T A T T C T G C T G C C G C C T A T G G T T G C T C C T G C C G C C T C A T A C A G T C G A A G G A T C G T T C G C A G C T C T T C C A A A T C G
	30 Mut	A T T T A T C G A C T T G A A T C A A A A T G A C T C A C T T A T T C T G C T G C C G C C T A T G G T T G C A C C T G C C G C C T C A T A C A A T C G A A G G A T C G T T C G C A G C T C T T T C A A A T C G
	35 Mut	A T T T A T C G A C T T G A A T C A A A T G A T T C A C T T A T T C T G A T G A C G C T A A G G T T G C A C C T G C C G C C T C A T A C A A T C G A A G G A T C G T T C G C A G C T C T T T A A A T C G
	40 Mut	A T T T A T C G C C T T G A A T C A A A T G A T T C T T T T A T T C T G A T G A C G C T A A G G T T G C A C C T G C C G C C T C A T A T A A T C G A A G G A T C G T T C A C A G C T C T T T A A A T C G
	45 Mut	A T A T A A C G C C T T G A A T C A A A T G A T T C T T T T A T T A T G A T G A C G C T A A G G T T G C A C C T G C A G C T A A T C T A A T C G A A T G A T C A T T C A C A G A T C T T T T A A A T C G
	50 Mut	A T A T A A C G C C T T G A A T C A A A T G A T T C T T T T A T T A T T A T G A C G C T A A G G T T G C A C C T G C A G C T A A T C T A A T C G A A T G A T C A T T C A C A G A T C T T T T A A A T C G
Seq1.3	10 Mut	C T T T T T C G A C C A G C A A T A A A T G G C T T A C T G A T A C C G C A G C C G C T T T G G T C G C T C C C G T C G C T C G T A C C C A C G A A G G C C T C G T T C G C C G C T C T T C C T G A G G
	15 Mut	C T T T T T C G A C A A G C A A T A A A T G G A T T A C T G A T A C C G C A G C C G C T T T G G T C G C T C C C G T C G C T C G T A C C C A C G C A G G C T C G T T C G T C G C T C T T C C T G A C G G
	20 Mut	C T T T T T C G A A A G C C A T A A A T T G A T T A C T G A T A C C G C A G C C G C T T T G G T C G C T C C C G T C G C T C G T A C C C A C G C A G G C T C G T T C A T C G C T C T T C C T G A C G G
	25 Mut	C T T T T T C G A C A A G C C A T A A A T T G A T T A C T G A T A A C G C A G C T G C T T T G G T T G C T T C C G T C G C T C G T A A C C A C G C A G G C T C G T T C A T C G T T C T T C C T G A C C G
	30 Mut	C T T C T T C G A C A A G C C A T A A A T T G A T T A C T G A A A A C G C A G C T G C T T T G G T T G C T T T C G T C G C T C G T A A C C A C T C A G G C T C G T T C A T C G T A C T T C C T G A C C G
	35 Mut	C T T C T A C G A C A A G C C A T A A C T T G A T T A A T G A A A A C G C A G C T G A T T T G G T T G C T T T C G T C G C T C G T A A C C A C T C A G T C T C G T T C A T C G T A C T T C C T G A C C G
	40 Mut	C T T C T A A C A C A A G C C A T A A C T T G A T T A A T G A A A A C C C A G T T G A T T T G G T T G C T T T C G T C G T T C G T A A C C A C T C A G T C T C G T T C A T C G T A C T T C C T G A C C G
	45 Mut	C T T C T A A C A C A A G C C A T A A C T T G A T T A A T G A A A A C C C A G T T G A T T T G G T T G C T T T C G T C G T T C G T A A C C A C T C A G T C T C G T T C A T C G T A C T T C C T G A C C G
	50 Mut	C T T C T A A C A C A A G C C T T T A C T T G A T T A A T C A A A A C C C A G T T G A T T C G G T T G C C T T C T C C G T T C G T A A C C A C T C A G T C T T G A T C A T A G T A C T T C C T G A C C G
Seq1.4	10 Mut	A T T T A T C G A C C A G T A A C A A A T G G C T T C A C G G A T T A C G C C G C C G C T T T G G T C G C T C C C G C T G C T C T T A C T G A C G A A G G C C C T T T C G C T G C T A T T C C C G C A G G
	15 Mut	A T T T A T C C A C C A G C A A C A A A T G G T T C A C G G A T T A C G C C G C C G C T T T G G T C G C T C C C G C T G C T C T T A C T G A A G A A G G C C C T T T C G C T G C T A T T C C C G C A G G
	20 Mut	A T A T A T C C A C C T G C A A C A A A T G G T T C C C G G A T T A C A C C G C C G C T T T G G T T G C T C C C T C T G C T C T T T A T G A A G A A G G C C C T T T C G C T C T C T A T T A C C G C A G G
	25 Mut	A T A T A T C C A C C T G C A A C A A A T G G T T C C C G G A T T A C A C C G C C G C T T T G G T T G C T C C C T C T G C T C T T T A T G A A G A A G G C C C T T T C G C T C T C T A T T A C C G C A G G
	30 Mut	A T A T A T C C A C C T G C A A C A A A T G G T T C C C G G A T T A C A C C G C C G C T T T G G T T G C T C A C T C T G A T C T T T A T G A A G A A C G G C C C T T T C G A T T C T A T T A C C G C C G G
	35 Mut	A T A T A T C C A C C T G C A A C A A A T G G T T C C C G G A T T A C A C C G C A G C T T T G T T T G C T C A T T C T G A T C T T T A T G A A G A A C G G C C C T C T C G A T T C T A T T A C C A C C G G
	40 Mut	A T A T A T C C A C C T G C A A C A A A T G G T T C C C T G A T T A C A C C G C A G C C T T G T T T C C T C A T T C T G A T C T T T A T G A A G A A C G G C C C T C T C G A T T C T A T T A A C C A C C T G
	45 Mut	A T A T A T C C A C C T G C A A C A A A C A T T T C C C T G T T T A C A C C G C A G C C T T G T T T C C T C A T T C T G A T C T A T A T G A A G A A C G G C C A T C T C G A T T C C A T A A C C A C C T G
	50 Mut	T T A T A T C C A C C T G C A A C A A A C A T T T C C C T G T T T A C A C C G C A G C C C T G T T T C C T C A T T C T G A T C T A T A T G T A G A A C G G C C A T C T C G A T T C C A T A A C C A C C T G
Seq1.5	10 Mut	A A T T T T C G T C C C G T A A C A A A T T G C T T A C G G A T T T C G C C G C C G C T T T G G T C G C A C C C G T C G C T A G T A C T G C C G A A G G C C C G T T C G C C G C T A T T C C C G A A G G
	15 Mut	A A T T T T C G T C C C G T A C C A A A T T G C T T A C G G A T T T C G C C G C C C T C T T G G T C G C A C C C G T C G T T A G T A C T G C C G A A G G C C A G T T C G C C G A T A T T C C C G A A G G
	20 Mut	A A T T T T C G T T C C G T A C C A A A T T G T T T A C G G A T T T T G C T G C C T C T T G G T A G C A C C C G T C G T T A G T A C T G C C G A A G G C C A G T T C G C C G A T A T T C C C G A A G G
	25 Mut	A A T C T T C G T T C C G T A C C A A A T T G T T T A C G G A T T T T G C T G C C T C T T G G T A G C A C C C G T C G T T A G T A C T A C C G A A G G C C A G A T C A C C G A T A T T C C C G A C G G
	30 Mut	A A C C T T C G T T C C G T A C C A A A T T G T T T C C G G A T C T T G C T G C C T C T T C G G T A G C A C C C G T C G T T A G T A T T A C C G A A G G C C A G A T C A C C G A T A T T C C C G A C G G
	35 Mut	A A C C T T C G T T C C G T A C C A A T T T G T T T C C G G A T C T T G C T G C C T C T T C G G T A G C A C C T G T C G T A A G T A T T A C C G A A G G T C A G A A C A C C G A T A T T C C C G A C G G
	40 Mut	T A C C T T T G T T C C G T A C C A A T T T G T T T C C G G A T C T T G C T G C C T C T T C G G T A G C A C A T G T C G T A A G T A T T A C C G A A G G T C A G A A C A C C T A T A T T C C T G A C G G
	45 Mut	T A C C T T G T T C C T A A C C A A T T T G T A T C C G C A T C T T G A T G C C T C T T C G G T A G C A C A T G T T G T A A G T T T T A C C G A A G G T C A G A A C A C C T A T A T T C C T G A C G G
	50 Mut	T A C C A T T G T T C C T A A C C A A T T T G A T C C G C A T C T T G A T G C C T C T T C G G T A G C A C A T G T T G T A A G T T T T A C C G A A G G T C A G A A C A C C T A T A T T C C T G A C G G
sequence 2	**LK931484.1; 10921-11021**	T A G T A A T A C T C C T T C T A T T G C T A G A T T T G C T C C G A C T G G G A C T C G T T A C T G G A C G G A G G G T T A G A T A C A A T A C A A A T T G G A T C T A C A C A T T G A T T A T G T
seq2.1	10 Mut	T A G T A A T A C C C C T T C T A T T G C T A G A C T T G C T C C G A C T G G G A C T C G T T A C T G C A C G G A C G G C T A G A T A C A A C A A A A A T T A G A T C C A C A C C A T T G A T T A T G T
	15 Mut	T A G T A A T A T C C C T T C T A T T G C T A G A C T T G C T C C G A C T G T G A C T C A T T A C T G C A C G G A C G G C T A G A T A C A A C A A A A T T A G A C C C A C A C C A T T G A T T A T G T
	20 Mut	T A G T A A T A T C C C T T C T A T T G T T A G C C T T G C T C T G A C T G T G A C T C A T T A C T G C A C G G A C G G C T A G A T A C A A C A A A A T A C T A G A C C C A C A C C A T T G T T T A T G T
	25 Mut	T A G T A A T A T C A C T T C T A C T G T T T G C C T T G A T C T G A C T G T G A C T T A T T A C T G C A C G G A C G G C T A G A T A C A A C A A A A T A C T A G A C C C A C A C C A T T G T T T A T G T
	30 Mut	T A A T A A T T T C A C T T C T A C T G T T T G C C T T G A T C T G A T T G T G A C T T A T T A C T G C A C G G A C G G C T A G A T A C A A C A A A A T A C T A G A C C C A C A C C A T T G T C T A T C T
	35 Mut	T C T A A T T T C A C T T C T A C T G T T T G C C T T G A T C T G A T A G T G A C T T A T T A C T G C A C G G A C G G C T A G A T A C A A C A A A A T A C T A G A C C C A C A C C A T T G T C T A A C T
	40 Mut	T C A T A A T T T C A C T T C T A C T G T T T G C C T T G A T C T G A T A G T G A C T T A T T A C T G C A C G G T C T G C T C G A T A C A T C A A A T A C T A G A C C C T A A C C A T C G T C T A A C T
	45 Mut	T C A T A A T T T C A C T T C T A C T G T T T G C C T T A A T C T G A T A G T G A C T T A T T A C T G C A T A G T C T G C T C G A T A C A T C C A A T A C T A G A C T C T A A C C A T C G T C T A A C T
	50 Mut	T C A T C A T T T C A C T T C C A C T G T T T G C C T T A A T C T G A T A G T G A C T T A T T A T T G C A T A G T C T G C T C G A T A C A T C C A A T A C A A G A C T C T A A C T A T C G T C T A A C T
seq2.2	10 Mut	C A G T A A T A C T C C A T C T A T T G C T A G A T C T G C T C C G A C T G G G A C T C G T T A C T G C A C A G A G G G T T T G A T A T T A T A C C C A A T T G G A T C C A C C A C A T T C C A T T A T G T
	15 Mut	C A G T A A T A C T C C A T C T A T T G C T A G A T C T G C T C C G A C T G G G A C T C A T T C C T G C C C A G A G G G T T T G A T A T T A T A C C C A T T G A T C A A C C A C A T T C C A T T A T G T
	20 Mut	C A G T A A T A C T C C A T C T A T T C T C T A G A T C T G C T C C G A C T G G G A C T C A T T C C T G C C C A G A G G G T T T G A T A T T A T A C C C C T T T G A A T C A A C C A C A T T C C T T A T G T
	25 Mut	C A G T A A T A C T A C A T C T A T C T C T A G A T C T G C T T C G A C T G G G A C T C A T T C C T G C C C A G A G G G T T T G A T A T T C T A C C C T T T G A A T A A A C C A C T T A C C T T A T G T
	30 Mut	C T G T A A T A C T A C A T C T A T C T C T A G A T C T G C T T C G A C T G G G A T T C A T T C C T G C C C A G A G G G T T T G A T A T T C T A C C C T T T G A A A A A C C A C T T A C C T T A T C T
	35 Mut	C T G T A A T A C T A C A C C C A T C T C T A G A T C T G C T T C G A C T G G G T T T C A T T C C T G C C C A G A G A G G T T T G A T A T T C A A C C C T T T G A A A A A C C A C T T A C C T T A T C T
	40 Mut	C T G C A A T A C T A C A C C C A T C T C T A G A T C T G C A T T G A C T T G G T T T C A T T C C T G C C C A G A A G G T T T G C T A T T C A A C C C T T T G A A A A A C C A C T T A C C T T A T C T
	45 Mut	C T G C A C T A C T A T A C C C A T C T C T A G A T C T G C A T T G A C T T G G T T T C A T T C C T G C C C A G A A G G T T T G C T A T T C A A C C C T T T A T A A A A A C C A C T T A C C T T A T C T
	50 Mut	C T G C A C T A C T A T A C C C A T C T C T A G A T C T G C A T T G A A T T G G T T C C A T T C C T G C C C A G A A G G T T T G C T C T T C A C T C C T T T A T A T A A A A C C A C T T A C C T T A T C T
seq2.3	10 Mut	T A T T A A T A C T C C T T C T A T T G C T A G A T T T G C T C C G A C T G G G A C T C G T T T C T G G A C G A A G G T T A C A A T A C A A T A C A A A A T T G G A T C T A T C A C A T T G A T T T T G T
	15 Mut	T A T T A A T A C T C C T T C T A T C G C T A G A T T T G C T C C G A A T G G G C T C G T T T C T T G A C G A A G G T T A C A A T A C A A T C C A A A C T T G G A T C T A T C A C A T T G A T T T T G T
	20 Mut	T A T T A A T A C T C C T T C T A T C G C A A G A T T T G C T C C G A A T G G G C T T C G T T T A T T G A C G A A G G T T A C A A T A C A A T C C A A C T T G G T T C T A T C A C A T T G A T T T T G T
	25 Mut	T A T T A A T A C C C C T C C T A T C G T A A G A T C A G C T C C G A A T G G G C T T C G T T T A T T G A C G A A G G T T A C A A T A C A A T C C A A C T T G G T T C T A T C A C A T T G A T T T T G T
	30 Mut	T A T T A A T A C C C C T C C T A T C G T A C G A T C A G C A C A G A A T G G G C T T C C T T T A T T G A C G A A G G T T A C A A T A C A A T C C A A C T T G G T T C T A T C A T A T T G A T T T T G T
	35 Mut	T A T T A A T A C C C C T C C T A T C G T A C G A T C A G T A C A G A A T G G G C T A C C T T T A T T G A C G A A G G T T A C A A C A C A T T C C A A C T A G T T C T A T A T A T T G A T T T T G T
	40 Mut	T A T T T A T A C C C C T C C T A T C G T A C G A T C A G T A C A G A A T G G G C T A T C T T T A T T G A C G A A G G T T A C A A C A C A T T C C A A C T A G T T C T A T A A T A T T C A T T T T G T
	45 Mut	T A T T T T A C C C C T C C T A T C G T A C G A T C A G T A T A G A A T G G G C T A T C T T T A T T G A C G A A T G T T A C A A C A C T T T C C A A C T A C T T T C T A T A A T A T T C A T T T T G T
	50 Mut	T A T T T T C C C C C T C C C A T C G T A C G A T C A G T A T A G A A T G G G C T A T C T T T A T T G A C G A A T G T T A C A A C A C T T T C C A A C T A C T T T C T A T A T A A T A T T C A C T T C T
seq2.4	10 Mut	A A G T A A T A C T C C T T A T A T T G C T A G T T T T G C T C C G A C A G G G A C T C G C T A C T G G A C A G A G G G T C A G A A A C A A T T C A A A T T G G A T C C A C C A C A T T G A C T A T G T
	15 Mut	A A G T A A T A C T C C T T A T A T T G C T A G T A A T G C T C C G A C A G G G A A T C T C T A C T C G A C A G A G G G T C A G A A A T A A T T C A A A T T G G A T C C A C C A C A T T G A C T A T G T
	20 Mut	A A G T A A T A C T C C T T A T A T T G C T A G T A A T G C T C C G A C A G G G A A C C T C T A C T C G A C A C A G G G T C A G A A A T A A T T C A A A T T G G A A C C A C C A C A T T T A C T A T G T
	25 Mut	A A G T A A T A C T C C T T A T A T C G T T A T T A A T G T T C C G A C A G G G A A C C T C T A C T C G A C A C A G G G T C A G A A C T A A T T C A A A T T G G A A C C A C C A C A T T T A C T A T G T
	30 Mut	A A G T A A T A C T C T T T A T A T C G T T A T T A A T G T T C C G A C A G G G A A C C T C T A C T C G A C A C A G G G T C T G A A C T A A T T C A A A T T G G A A C C A C T A C T C T T A C T A T G T
	35 Mut	A A G T A A A A C T C T T T A T A T C G T T A T T A A T G T T C C G A C A G G G A A C C T C T T C A C G A C A C A G G G C T C T G A A C T A A T T C A A A T T C G G A A C C A C T A C T C T T A C T A T G T
	40 Mut	A A G T A A A A C T C T T T A T A T C G T T A T T A A T G T T T C G A T A G G G A A C C T C T T C A C G A T A C A G G G C T C T G A A C T C A T T A A A A T C G G A A C C A C T C C T C T T A C T A T G T
	45 Mut	A A G T A A A A C T A T T A A A T A T C G T T C T T A A T G T T T C G A T A G G G A A C C T C T T C A C G A T A C A G G G C T C T G A A C T C A T T A A A A T C G G A A C C A C T C C T C T T A C T A T G A
	50 Mut	A A G C A A A A C T A T T A A T A T C A T T C T T A A T G T T T C G A T A G G G C C A C C T C T T C A C G A T A C A G G G C T C T G A A C T C A T T A A A A T C G G A A C C A C T C C T C T T C T A T G A
seq2.5	10 Mut	T A G A A A T A C T C C T T A T A C T A C T A G A T T T G C T C C G A C T G G G A T T C G T T A C T G G A C G G A G G G T T A G A T A C A A T A C T A A C T G A A T C C T C C A C A T T A A T T A T G T
	15 Mut	T A G A A T T C T C C T T A T A C T A C T A G A T T T G C T C C G T C T G G G A T T C G T T A C T G G A C G G A G G G T T A G A T A C A A A A C T A A C T G A A T C C T C C A C A T C A A T T A T G C
	20 Mut	T A G A A T T C T C C T T A T A C T A A T A G A T T T G C T C C G T C T G G G A T T C G T T A C T G G A C C G A G G G T T A G A T A C A A A A C T A A C T G A A T C C T T C A C A A C A A T T C T G C
	25 Mut	A A G A A C T T C T C C T C A T A C T A A T A G C T T T G C T C C G T C T G G G A T T C G T T A C T G G A C C G A G G G T A A G A T A C A A A A C T A A C T G A A T C C T T C A C A A C A A A T T C C G C
	30 Mut	A A G A A C T T C T C C T C A T A C T A A A A A G C T T T G C T C C C T C T G G G A T T C G T T A C T G G A C C G A G G G T A A G A T T C A A A A C T A A C T G A A T C C T T C A C A A C A A A T C C G C
	35 Mut	A A G A A C T T C T C C T C A T A C T A A A A A G C T C T G C T C A C T C T G G G A T T C G T C T G G A C C G A G G A A A G A G A T T C A A A A C T A A C T G A A T C C T T C A C A A C A A A T C G C
	40 Mut	A A G A A C T T C T C C T C A T A C T A A A A A C C T C T G C T C A C T C T G G G A T T C G A C T G G A C C G A G C G A A A G A G A T T C A A A A C T A A C T G A A T C T T T T A C A A C A A A T C G C
	45 Mut	A A G A A C T T C T C C T C A T A C T A A A A A A C T C T G C T C A C T C T G G C A T T A T A T C C T G G A C C G A G C T A A C G A T T C A A A A C T A A C T G A A T C T T T T A C A A C A A A T C C C C
	50 Mut	A T G A A C A T C T C C T C A T A C T A A A A A A C T C T G C T C A C T C T G G C A T T A T A T C C T C A A C C G A G C T A A C G A T T C A A A A C T A A C T G A A T C T T T T A C C A C A A A T C C C C