

Clone	loop	E36G	E67A	V182	S207G	N382D	N408S	T567A	Q598L	I648V	V708I	M235L	F284Y	S492	N496	other
4R-H-3	LAISDQTKHA										x					
4R-H-4	LAISDQTKHA						x				x				D	L59P
4R-H-5	LAKDQTKSTA						x				x					
4R-H-9	LANQDYTKTA														P	
4R-H-10	LAISDQTKHA										x				Y	
4R-H-12	LANQDYTKTA	x									x					
4R-H-15	LAISDQTKHA										x					
4R-H-16	LAHDITKNIA						x				x					
4R-H-17	LAHDITKNIA						x				x					
4R-SD-2	LAHDITKNIA		x		x		x				x					
4R-SD-3	LAHDITKNIA						x				x					
4R-SD-10	LAISDQTKHA						x				x					
4R-SD-11	LANQDYTKTA			E							x				P	
4R-SD-12	LAISDQTKHA					x					x					Q186R,D594N
4R-SD-15	LADQDYTKTA										x	x	x			
4R-SD-16	LAISDQTKHA			E			x				x					D69E
4R-SD-17	LAISDQTKHA			E							x				Y	
4R-SD-18	LAHDITKNIA						x				x					
5R-Hind1	LAQPDATKNA		x	I							x					
5R-Hind2	LAHDITKNIA		x		x						x					E12V,K137E
5R-Hind3	LANQDYTKTA		x								x					R585G,S662C
5R-Hind6	LADQDYTKTA					x					x					
5R-Hind8	LANQDYTKTA		x								x					
5R-Hind10	LADQDYTKTA	x					x				x					
5R-Hind11	LANQDYTKTA	x					x				x					N335K
5R-Hind12	LAHDITKNIA						x				x					
5R-Hind14	LAISDQTKHA										x					S423N
5R-Hind15	LAISDQTKHA										x					N214D
5R-Hind16	LAHDITKNIA						x				x					
5R-Hind17	LADQDYTKTA		x				x				x					
5R-Hind18	LAISDQTKHA										x					
5R-Hind19	LAHDITKNIA		x		x		x				x					H38L,E147A
5R-Hind22	LANQDYTKTA	x									x				P	N227D,N587S
5R-Hind23	LAHDITKNIA	x	x				x				x					
5R-Ce1	LANQDYTKTA		x								x				P	D41G,K105E,G163D
5R-Ce5	LADQDYTKTA						x				x					
5R-Ce6	LAQPDATKNA		x		x						x					P29A
5R-Ce8	LAKDQTKSTA										x					
5R-Ce9	LANQDYTKTA		x		x		x				x				P	

Tervo et al., Table S1