

		10		20		30		40		50		60
SCR96	G	A	G	G	A	G	C	A	G	G	C	T
	E	E	Q	A	S	V	H	L	R	V	H	T
SCR96-optimized	G	A	G	A	G	C	A	G	G	C	T	T
	E	E	Q	A	S	V	H	L	R	V	H	T

		70		80		90		100		110		120
SCR96	A	T	C	T	G	C	T	A	C	C	A	G
	I	C	Y	Q	A	C	Q	S	G	Q	Y	C
SCR96-optimized	A	T	T	G	T	T	A	C	C	A	G	T
	I	C	Y	Q	A	C	Q	S	G	Q	Y	C

		130		140		150		160		170		180
SCR96	G	C	C	C	G	A	C	T	G	G	C	A
	A	P	T	G	N	Q	C	F	N	P	A	T
SCR96-optimized	G	C	T	C	C	A	C	T	G	G	C	A
	A	P	T	G	N	Q	C	F	N	P	A	T

		190		200		210	
SCR96	C	C	G	G	C	T	T
	P	G	F	K	C	D	K
SCR96-optimized	C	C	T	G	G	T	T
	P	G	F	K	C	D	K