

Position II									
					U	C	A	G	
U	Asn	Ser	Tyr	Lys	U	U	U	U	U
	Asn	Ser	Tyr	Lys	C				
	Gln	Ser	Stop	Stop	A				
	Gln	Ser	Stop	Asp	G				
C	Gln	Thr	Phe	Gly	U	C	C	C	C
	Gln	Thr	Phe	Gly	C				
	Gln	Thr	Leu	Gly	A				
	Gln	Thr	Leu	Gly	G				
A	Arg	Pro	Trp	Ser	U	A	A	A	A
	Arg	Pro	Trp	Ser	C				
	Arg	Pro	Met	Gly	A				
	Glu	Pro	Met	Gly	G				
G	His	Val	Ile	Ala	U	G	G	G	G
	His	Val	Ile	Ala	C				
	His	Val	Cys	Ala	A				
	His	Val	Cys	Ala	G				

Best evolved code with MS, model 1

Position II									
					U	C	A	G	
U	Arg	Ser	Cys	Pro	U	U	U	U	U
	Arg	Ser	Cys	Pro	C				
	Asn	Ser	Stop	Stop	A				
	Asn	Ser	Stop	Val	G				
C	Asn	Gly	Leu	Ala	U	C	C	C	C
	Asn	Gly	Leu	Ala	C				
	Asn	Gly	Ile	Ala	A				
	Asn	Gly	Ile	Ala	G				
A	Glu	Gln	Met	Ser	U	A	A	A	A
	Glu	Gln	Met	Ser	C				
	Glu	Gln	Tyr	Ala	A				
	Asp	Gln	Tyr	Ala	G				
G	Lys	His	Phe	Thr	U	G	G	G	G
	Lys	His	Phe	Thr	C				
	Lys	His	Trp	Thr	A				
	Lys	His	Trp	Thr	G				

Best evolved code with tMS, model 1

Position II									
					U	C	A	G	
U	Ser	Gly	Ala	Gln	U	U	U	U	U
	Ala	Ser	Pro	Stop	C				
	Gly	Arg	Stop	Asp	A				
	Gly	His	Gly	Glu	G				
C	Pro	Ala	Val	Ser	U	C	C	C	C
	Trp	Thr	Leu	Ala	C				
	Ala	Ser	Thr	His	A				
	Ala	Ser	Ala	His	G				
A	Ala	Ser	Ala	Gly	U	A	A	A	A
	Pro	Ser	Thr	Gly	C				
	Ser	Gly	Ala	Lys	A				
	Ser	Gly	Ser	Asn	G				
G	Pro	Ala	Tyr	Ala	U	G	G	G	G
	Phe	Pro	Ile	Thr	C				
	Met	Ala	Cys	Stop	A				
	Ala	Ser	Pro	His	G				

Best evolved code with MS, model 2

Position II									
					U	C	A	G	
U	Asn	Ser	Ile	Val	U	U	U	U	U
	Asn	Ala	Met	Thr	C				
	Glu	Stop	Tyr	Thr	A				
	Asn	Ala	Trp	Thr	G				
C	Asn	Ala	Cys	Trp	U	C	C	C	C
	Lys	Ala	Phe	Val	C				
	Asp	Stop	Trp	Trp	A				
	Stop	Pro	Leu	Trp	G				
A	Arg	Ser	Tyr	Thr	U	A	A	A	A
	Arg	Ser	Val	Ala	C				
	Lys	Gly	Val	Pro	A				
	Gln	Ser	Val	Pro	G				
G	His	Ser	Ile	Met	U	G	G	G	G
	Gln	Ala	Tyr	Pro	C				
	Asn	Gly	Met	Val	A				
	Arg	Ser	Met	Val	G				

Best evolved code with tMS, model 2