Supplemental Data 2

Α

Length (Bases)	Sequence		
L=5	TTCGTF		
L=6	TTCGTTF		
L=7	TTTCGTTF		
T=8	TTTCGTTTF		
L=9	TTTTCGTTTF		
L=10	TTTTCGTTTTF		
L=12	TTTTTCGTTTTTF		
L=14	TTTTTTCGTTTTTF		
L=16	TTTTTTCGTTTTTTF		
L=18	TTTTTTTCGTTTTTTTF		
L=21	TTTTTTTTTCGTTTTTTTTF		
L=24	TTTTTTTTTCGTTTTTTTTTTF		
L=28	TTTTTTTTTTTCGTTTTTTTTTTTTTF		
L=30	TTTTTTTTTTTTCGTTTTTTTTTTTTTTT		
L=32	TTTTTTTTTTTTTCGTTTTTTTTTTTTTTTT		
L=35	TTTTTTTTTTTTTTTCGTTTTTTTTTTTTTTTTF		
L=40	TTTTTTTTTTTTTTTTTCGTTTTTTTTTTTTTTTTTTTT		

В

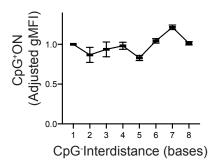
Length (Bases)	CpG motifs	Sequence
L=10	2 x CpG	TTCGTTTCGTF
L=12	2 x CpG	TTCGTTTCGTTF
L=14	2 x CpG	TTCGTTTTCGTTTF
L=15	2 x CpG	TTTCGTTTTTCGTTTF
L=18	2 x CpG	TTTCGTTTTTTCGTTTTF
L=21	3 x CpG	TTCGTTTTTCGTTTTTCGTTTF
L=24	4 x CpG	TTCGTTTTCGTTTTCGTTTTCGTTF
L=30	3 x CpG	TTTTCGTTTTTTTCGTTTTTTTCGTTTTF
L=36	4 x CpG	TTTCGTTTTTCGTTTTTTCGTTTTTTCGTTTF
L=40	4 x CpG	TTTTCGTTTTTTTCGTTTTTTTTCGTTTTTTCGTTTTF

С

CpG Interdistance	Sequence
CpG-ID = 1	TTTTCGTCGTTTTTF
CpG-ID = 2	TTTTCGTTCGTTTTF
CpG-ID = 3	TTTCGTTTCGTTTTF
CpG-ID = 4	TTTCGTTTTCGTTTF
CpG-ID = 5	TTCGTTTTTCGTTTF
CpG-ID = 6	TTCGTTTTTTCGTTF
CpG-ID = 7	TCGTTTTTTTCGTTF
CpG-ID = 8	TCGTTTTTTTTCGTF

Length	Sequence	Repeats	Full Sequenc
	TT CG T	1x	TTCGTF
Pentamer		2x	TTCGTTTCGTF
		3x	TTCGTTTCGTT
		4x	TTCGTTTCGTTTCGTF
Hexamer	TTCGTT	1x	TTCGTTF
		2x	TTCGTTTTCGTTF
		3x	TTCGTTTTCGTTTTCGTTF
		4x	TTCGTTTTCGTTTTCGTTF
Heptamer	TTT CG TT	1x	TTTCGTTF
		2x	TTTCGTTTTCGTTF
		3x	TTTCGTTTTTCGTTTTCGTTF
		4x	TTTCGTTTTTCGTTTTTCGTTTTTCGT
	ттт сс ттт	1x	TTTCGTTTF
Octoamer		2x	TTTCGTTTTTTCGTTTF

Ε



	Nonamer	TTTT CG TTT	2x	TTTTCGTTTTTCGTTTF
	Nonamer		3x	TTTTCGTTTTTTCGTTTTTTCGTTTF
			4x	TTTTCGTTTTTCGTTTTTTCGTTTTT
		TTTTCGTTTT	1x	TTTTCGTTTTF
Decamer	Dogamor		2x	TTTTCGTTTTTTCGTTTTF
	Decamer		3x	ŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢŢ

TTT<mark>CG</mark>TTTTTT<mark>CG</mark>TTTTTT<mark>CG</mark>TTTF