

# Supplemental Data 2

A

Length (Bases)	Sequence
L=5	TT <b>CG</b> TF
L=6	TT <b>CG</b> TT <b>F</b>
L=7	TT <b>CG</b> TT <b>F</b>
L=8	TT <b>CG</b> TT <b>F</b>
L=9	TT <b>CG</b> TT <b>F</b>
L=10	TT <b>CG</b> TT <b>F</b>
L=12	TT <b>CG</b> TT <b>F</b>
L=14	TT <b>CG</b> TT <b>F</b>
L=16	TT <b>CG</b> TT <b>F</b>
L=18	TT <b>CG</b> TT <b>F</b>
L=21	TT <b>CG</b> TT <b>F</b>
L=24	TT <b>CG</b> TT <b>F</b>
L=28	TT <b>CG</b> TT <b>F</b>
L=30	TT <b>CG</b> TT <b>F</b>
L=32	TT <b>CG</b> TT <b>F</b>
L=35	TT <b>CG</b> TT <b>F</b>
L=40	TT <b>CG</b> TT <b>F</b>

B

Length (Bases)	CpG motifs	Sequence
L=10	2 x CpG	TT <b>CG</b> TT <b>CG</b> TF
L=12	2 x CpG	TT <b>CG</b> TT <b>CG</b> TT <b>F</b>
L=14	2 x CpG	TT <b>CG</b> TT <b>CG</b> TT <b>F</b>
L=15	2 x CpG	TT <b>CG</b> TT <b>CG</b> TT <b>F</b>
L=18	2 x CpG	TT <b>CG</b> TT <b>CG</b> TT <b>F</b>
L=21	3 x CpG	TT <b>CG</b> TT <b>CG</b> TT <b>CG</b> TT <b>F</b>
L=24	4 x CpG	TT <b>CG</b> TT <b>CG</b> TT <b>CG</b> TT <b>CG</b> TT <b>F</b>
L=30	3 x CpG	TT <b>CG</b> TT <b>CG</b> TT <b>CG</b> TT <b>CG</b> TT <b>F</b>
L=36	4 x CpG	TT <b>CG</b> TT <b>CG</b> TT <b>CG</b> TT <b>CG</b> TT <b>CG</b> TT <b>F</b>
L=40	4 x CpG	TT <b>CG</b> TT <b>CG</b> TT <b>CG</b> TT <b>CG</b> TT <b>CG</b> TT <b>F</b>

C

CpG Interdistance	Sequence
CpG-ID = 1	TT <b>CG</b> TT <b>CG</b> TT <b>F</b>
CpG-ID = 2	TT <b>CG</b> TT <b>CG</b> TT <b>F</b>
CpG-ID = 3	TT <b>CG</b> TT <b>CG</b> TT <b>F</b>
CpG-ID = 4	TT <b>CG</b> TT <b>CG</b> TT <b>F</b>
CpG-ID = 5	TT <b>CG</b> TT <b>CG</b> TT <b>F</b>
CpG-ID = 6	TT <b>CG</b> TT <b>CG</b> TT <b>F</b>
CpG-ID = 7	TT <b>CG</b> TT <b>CG</b> TT <b>F</b>
CpG-ID = 8	TT <b>CG</b> TT <b>CG</b> TT <b>F</b>

D

Core Length	Core Sequence	Repeats	Full Sequence
Pentamer	TT <b>CG</b> T	1x	TT <b>CG</b> TF
		2x	TT <b>CG</b> TT <b>CG</b> TF
		3x	TT <b>CG</b> TT <b>CG</b> TT <b>CG</b> TF
		4x	TT <b>CG</b> TT <b>CG</b> TT <b>CG</b> TT <b>CG</b> TF
Hexamer	TT <b>CG</b> TT	1x	TT <b>CG</b> TT <b>F</b>
		2x	TT <b>CG</b> TT <b>CG</b> TT <b>F</b>
		3x	TT <b>CG</b> TT <b>CG</b> TT <b>CG</b> TT <b>F</b>
		4x	TT <b>CG</b> TT <b>CG</b> TT <b>CG</b> TT <b>CG</b> TT <b>F</b>
Heptamer	TT <b>CG</b> TT	1x	TT <b>CG</b> TT <b>F</b>
		2x	TT <b>CG</b> TT <b>CG</b> TT <b>F</b>
		3x	TT <b>CG</b> TT <b>CG</b> TT <b>CG</b> TT <b>F</b>
		4x	TT <b>CG</b> TT <b>CG</b> TT <b>CG</b> TT <b>CG</b> TT <b>F</b>
Octoamer	TT <b>CG</b> TT	1x	TT <b>CG</b> TT <b>F</b>
		2x	TT <b>CG</b> TT <b>CG</b> TT <b>F</b>
		3x	TT <b>CG</b> TT <b>CG</b> TT <b>CG</b> TT <b>F</b>
		4x	TT <b>CG</b> TT <b>CG</b> TT <b>CG</b> TT <b>CG</b> TT <b>F</b>
Nonamer	TT <b>CG</b> TT	1x	TT <b>CG</b> TT <b>F</b>
		2x	TT <b>CG</b> TT <b>CG</b> TT <b>F</b>
		3x	TT <b>CG</b> TT <b>CG</b> TT <b>CG</b> TT <b>F</b>
		4x	TT <b>CG</b> TT <b>CG</b> TT <b>CG</b> TT <b>CG</b> TT <b>F</b>
Decamer	TT <b>CG</b> TT	1x	TT <b>CG</b> TT <b>F</b>
		2x	TT <b>CG</b> TT <b>CG</b> TT <b>F</b>
		3x	TT <b>CG</b> TT <b>CG</b> TT <b>CG</b> TT <b>F</b>
		4x	TT <b>CG</b> TT <b>CG</b> TT <b>CG</b> TT <b>CG</b> TT <b>F</b>

E

