

**TABLE S5****Synonymous codon pairs with mononucleotide repeats**

		2	3	4	5	6
synonymous pairs	A/T	<i><b>AAGAAG</b></i> (1)	AAG <b><i>AAA</i></b> (1)	-	<i><b>AAAAAG</b></i> (1)	<i><b>AAAAAA</b></i> (1)
		<i><b>TTCTTC</b></i> (1)	TT <b><i>CTT</i></b> (1)	-	<i><b>TTTTTC</b></i> (1)	<i><b>TTTTTT</b></i> (1)
	C/G	<i><b>CCTCCA</b></i> (9)	CCT <b><i>CCC</i></b> (3)	-	<i><b>CCCCCA</b></i> (3)	<i><b>CCCCCC</b></i> (1)
		<i><b>GGAGGT</b></i> (9)	GGT <b><i>GGG</i></b> (3)	-	<i><b>GGGGGA</b></i> (3)	<i><b>GGGGGG</b></i> (1)

The numbers in bracket represent the number of codon pairs belong to each category. The italic letters indicate mononucleotide repeats considered. TTT and TTC encoding phenylalanine, AAA and AAG encoding lysine, CCC, CCG, CCA and CCT encoding proline, GGG, GGC, GGA and GGT encoding glycine.