Table S1. Statistical summary of rare and frequent 8-mers in the yeast genome.

INFREQUENTLY			
CGCGTGAC(4)	GACCCGCG(4)	CCCCGGGG(5)	ACGCCCCG(6)
GCGCCCCG(6)	TCCCCGGG(6)	TCGGGGGG(6)	CCCCCCGA(7)
CCGGGGGG(7)	CGCGGTCC(7)	CGGGGGGC(7)	GCCCGGGG(7)
CCCGGGGG(8)	CGCCCGGG(8)	CGCGCCGA(8)	CGGCCCAC(8)
CGGGGCCG(8)	GACTCGCG(8)	ACGGGGCG(9)	AGCCCGGG(9)
CCCGCGTC(9)	CCCGGGGC(9)	CCCGGGTC(9)	CCGGGCGT(9)
CGCGCCCC(9)	CGCTCGCG(9)	CGCTCGGG(9)	CGGGACGC(9)
GCCCCGTC(9)	GCGCGCCG(9)	GGGCCGCG(9)	GGGTCGCG(9)
TCCCGCGC(9)	ACCCCGGG(10)	ACGGTCCG(10)	CCGACCGC(10)
CCGACCGG(10)	CCGCGTGC(10)	CCGGGCCG(10)	CCGGGGGT(10)
CGCCCCGA(10)	CGCCCCGG(10)	CGCGCTCG(10)	CGGACCGT(10)
CGGCCGCG(10)	CGGCGCGT(10)	CGGGGGAC(10)	GCCCCGGG(10)
GCCGGGGG(10)	GCGCTCCG(10)	GGGCCGGG(10)	GGGGCGCG(10)
FREQUENTLY			
TTTTATTT(1787)	AAATAAAA(1802)	TTTTTATT(1804)	TTTATTTT(1807)
TTATTTTT(1808)	AAAATTTT(1826)	AATAAAAA(1832)	TATTTTTT(1841)
TTCTTCTT(1864)	AAAAATTT(1868)	AAAATAAA(1868)	AAAAAAGA(1874)
AAAAATAA(1886)	TAAAAAAA(1908)	TTTTTTCT(1935)	TTTTTTTA(1936)
AAAAAATA(1941)	AAGAAGAA(1942)	AATTTTTT(1945)	AATAATAA(1946)
AGAAAAAA(1953)	AAAAAATT(1978)	CTTTTTTT(2166)	AAAAAAAG(2203)
AAAAAGAA(2243)	TTCTTTTT(2256)	TTTTTCTT(2404)	AAGAAAAA(2462)
TTTTTTTC(2512)	AAAAGAAA(2515)	AAAGAAAA(2533)	TTTTCTTT(2548)
TTTCTTTT(2566)	GAAAAAAA(2571)	AAAAAAAT(2781)	ATTTTTTT(2826)
TATATATA(3892)	ATATATAT(4002)	TTTTTTTT(8529)	AAAAAAAA(8566)

Note: The number in parentheses indicates the number of occurrences of this 8-mer in the distribution.