

Fourier Spectral Analysis of Coding Sequences

Automated Report

November 20, 2025

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1 Group 1: Single Peak at 0.33

2 Group 2: Single Peak Elsewhere

3 Group 3: Multiple Peaks

3.1 SCFR_NC_060946.1_20758991_20765624

3.1.1 Protein: frame3

Gene ID: SCFR

Nucleotide Accession: NC_060946.1

Sequence Length: 6633 bp

Protein Description:

Stop-codon-free region (20758991-20765624)

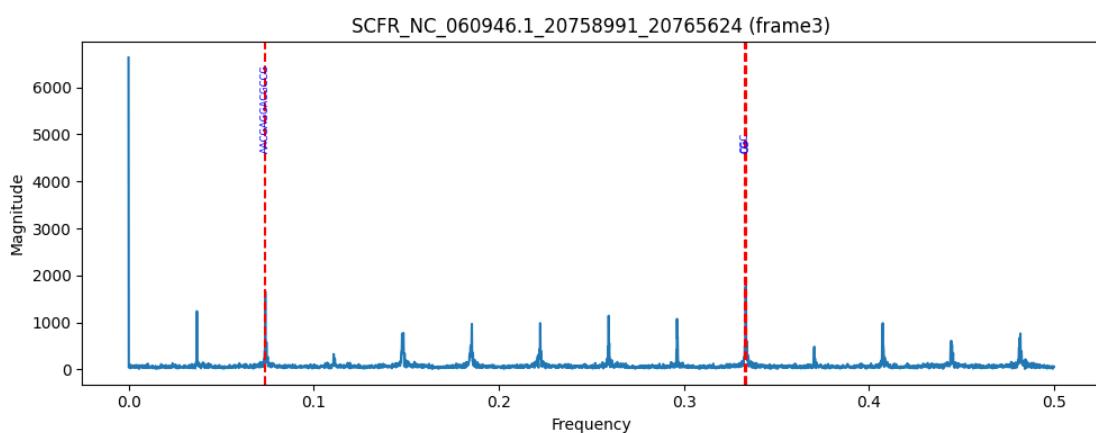


Figure 1: FFT Spectrum for frame3

Frequency	Motifs
0.333	CG (1045), GC (835), CC (657), GG (620), GA (478)
0.333	CGC (543), ACG (390), AGG (387), GCC (359), TCG (284)
0.074	AACGAGGACGCCG (76), TCGCTAACGAGGA (58), AGGACGCCGCCA (56), GTCGCTAACGAGG (56)

3.2 SCFR_NC_060946.1_20759017_20765623

3.2.1 Protein: frame-2

Gene ID: SCFR

Nucleotide Accession: NC_060946.1

Sequence Length: 6606 bp

Protein Description:

Stop-codon-free region (20759017-20765623)

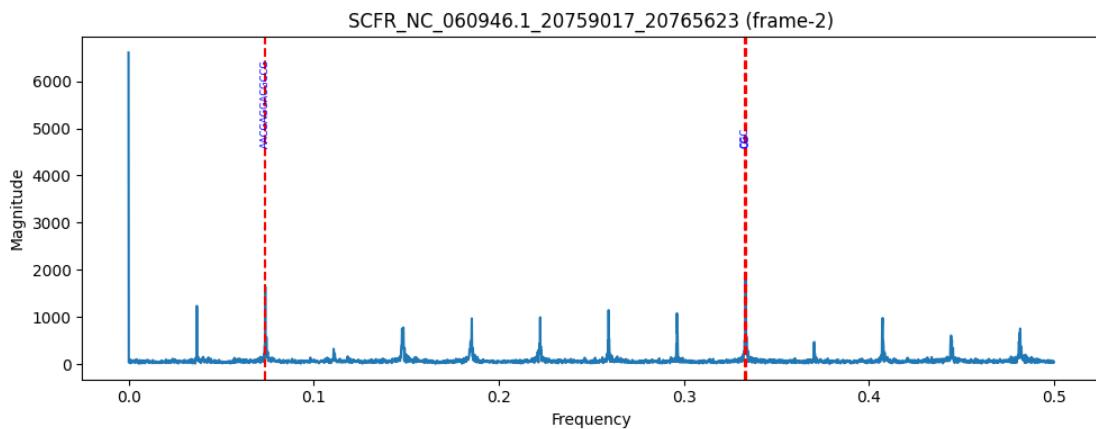


Figure 2: FFT Spectrum for frame-2

Frequency	Motifs
0.333	CG (1042), GC (831), CC (655), GG (619), GA (477)
0.333	CGC (541), ACG (390), AGG (386), GCC (358), TCG (282)
0.074	AACGAGGACGCCG (76), TCGCTAACGAGGA (58), AGGACGCCGCCA (56), GTCGCTAACGAGG (56)