

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_060938.1_99472982_99484097

3.1.1 Protein: frame3

Gene ID: SCFR

Nucleotide Accession: NC_060938.1

Sequence Length: 11115 bp

Protein Description:

Stop-codon-free region (99472982-99484097)

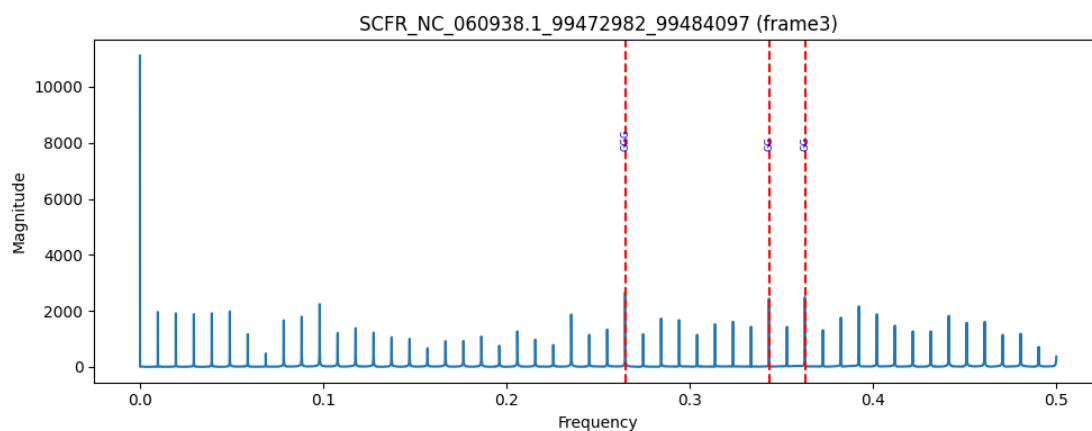


Figure 1: FFT Spectrum for frame3

Frequency	Motifs
0.265	GGG (655), CAG (545), GAG (545), AGC (544), GCC (436)
0.363	GG (1415), CA (1308), AG (1307), CC (1306), GC (1196)
0.343	GG (1415), CA (1308), AG (1307), CC (1306), GC (1196)

3.2 SCFR_NC_060938.1_9191928_9197229

3.2.1 Protein: frame-2

Gene ID: SCFR

Nucleotide Accession: NC_060938.1

Sequence Length: 5301 bp

Protein Description:

Stop-codon-free region (9191928-9197229)

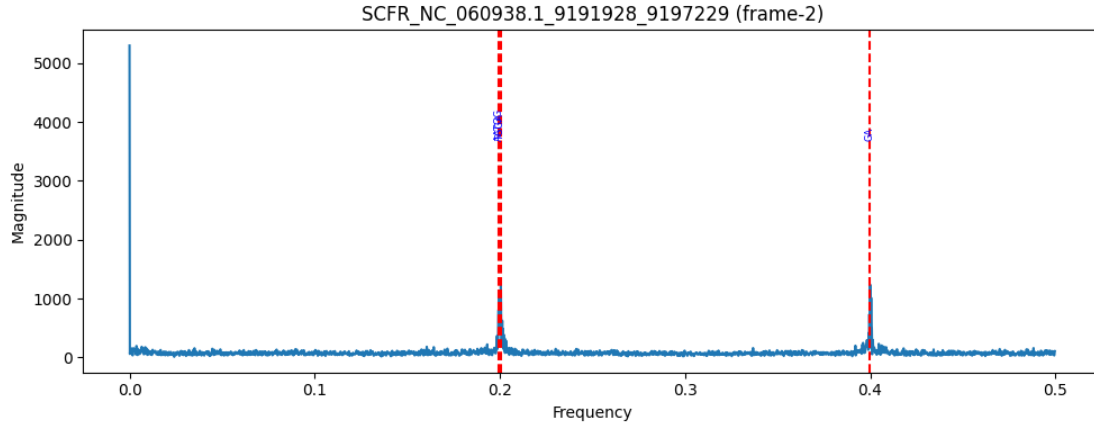


Figure 2: FFT Spectrum for frame-2

Frequency	Motifs
0.4	GA (899), TG (870), GG (816), AA (632), AG (545)
0.201	TGGA (615), AATG (381), GGAA (361), GAAT (347), ATGG (333)
0.2	AATGG (321), ATGGA (318), TGGAA (317), GAATG (313), GGAAT (305)

3.3 SCFR_NC_060938.1_1281710_1287200

3.3.1 Protein: frame3

Gene ID: SCFR

Nucleotide Accession: NC_060938.1

Sequence Length: 5490 bp

Protein Description:

Stop-codon-free region (1281710-1287200)

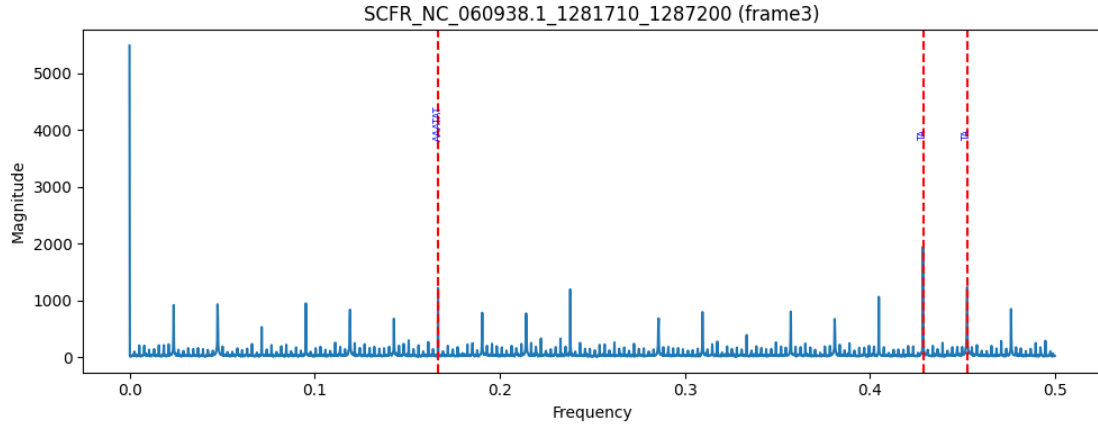


Figure 3: FFT Spectrum for frame3

Frequency	Motifs
0.429	TA (1094), AT (1040), AA (898), CA (459), AC (423)
0.452	TA (1094), AT (1040), AA (898), CA (459), AC (423)
0.167	AAATAT (181), ATATAT (137), GTACAT (130), TATATA (127), ATCAAA (112)

3.4 SCFR_NC_060938.1_9180175_9185392

3.4.1 Protein: frame-1

Gene ID: SCFR

Nucleotide Accession: NC_060938.1

Sequence Length: 5217 bp

Protein Description:

Stop-codon-free region (9180175-9185392)

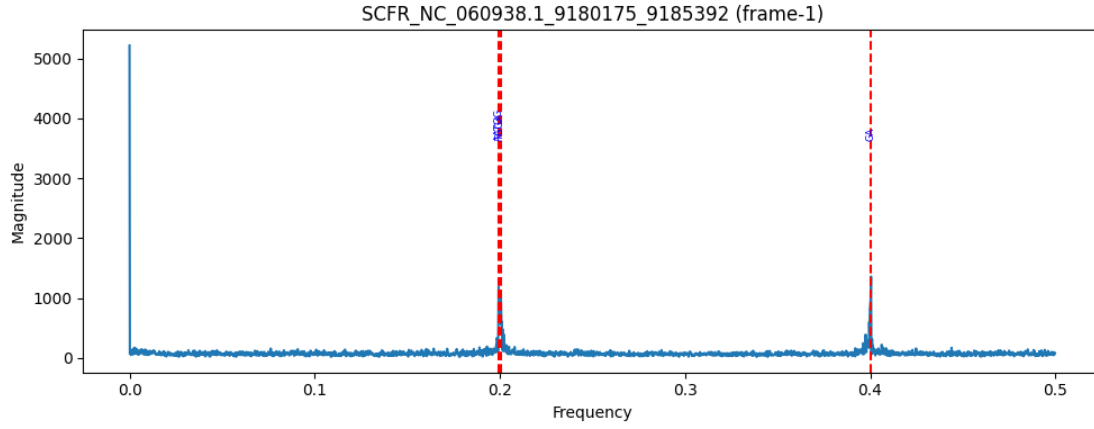


Figure 4: FFT Spectrum for frame-1

Frequency	Motifs
0.4	GA (886), TG (849), GG (794), AA (631), AG (540)
0.199	AATGG (314), ATGGA (311), TGGAA (309), GAATG (304), GGAAT (293)
0.2	TGGA (600), AATG (368), GGAA (359), GAAT (333), ATGG (326)