

Fourier Spectral Analysis of Coding Sequences

Automated Report

November 20, 2025

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1 Group 1: Single Peak at 0.33

1.1 SCFR_NC_060944.1_65507465_65514230

1.1.1 Protein: frame3

Gene ID: SCFR

Nucleotide Accession: NC_060944.1

Sequence Length: 6765 bp

Protein Description:

Stop-codon-free region (65507465-65514230)

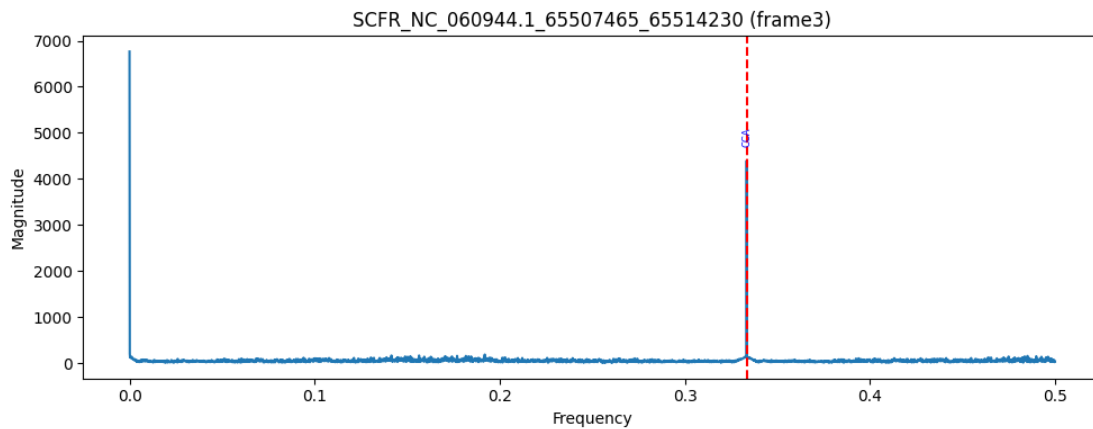


Figure 1: FFT Spectrum for frame3

Frequency	Motifs
0.333	CCA (1604), CAC (1603), ACC (1597), TCC (603), CCT (602)

1.2 SCFR_NC_060944.1_65507338_65514148

1.2.1 Protein: frame2

Gene ID: SCFR

Nucleotide Accession: NC_060944.1

Sequence Length: 6810 bp

Protein Description:

Stop-codon-free region (65507338-65514148)

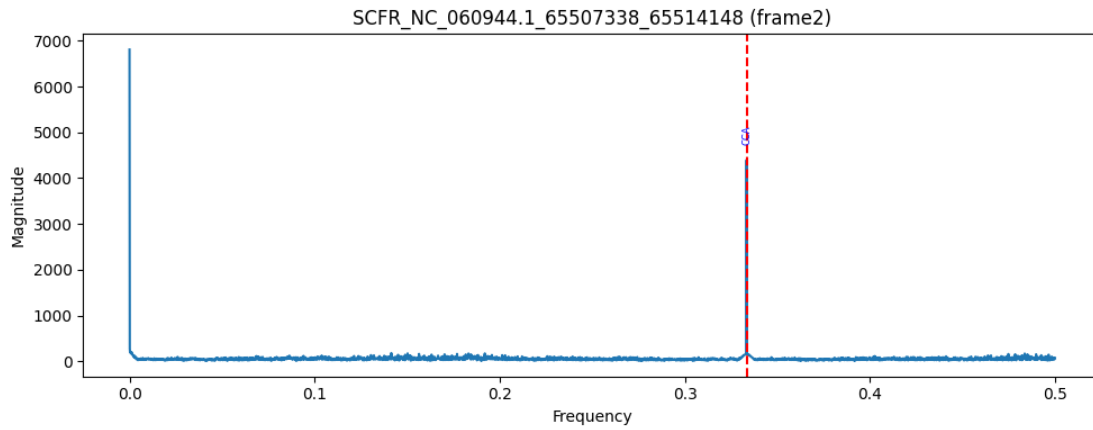


Figure 2: FFT Spectrum for frame2

Frequency	Motifs
0.333	CCA (1602), ACC (1598), CAC (1598), CCT (604), TCC (602)

1.3 SCFR_NC_060944.1_65507362_65514208

1.3.1 Protein: frame-3

Gene ID: SCFR

Nucleotide Accession: NC_060944.1

Sequence Length: 6846 bp

Protein Description:

Stop-codon-free region (65507362-65514208)

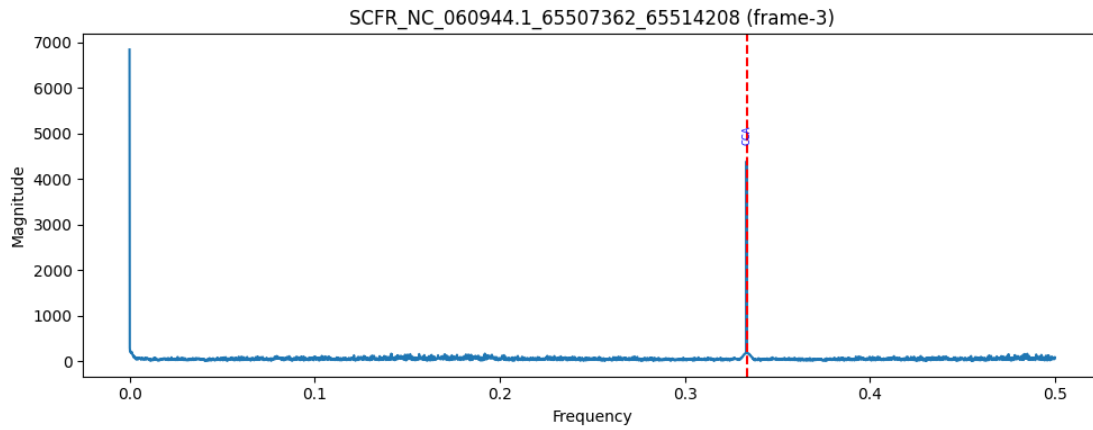


Figure 3: FFT Spectrum for frame-3

Frequency	Motifs
0.333	CCA (1604), CAC (1601), ACC (1597), CCT (608), TCC (606)

2 Group 2: Single Peak Elsewhere

3 Group 3: Multiple Peaks

3.1 SCFR_NC_060944.1_1893330_1907433

3.1.1 Protein: frame-1

Gene ID: SCFR

Nucleotide Accession: NC_060944.1

Sequence Length: 14103 bp

Protein Description:

Stop-codon-free region (1893330-1907433)

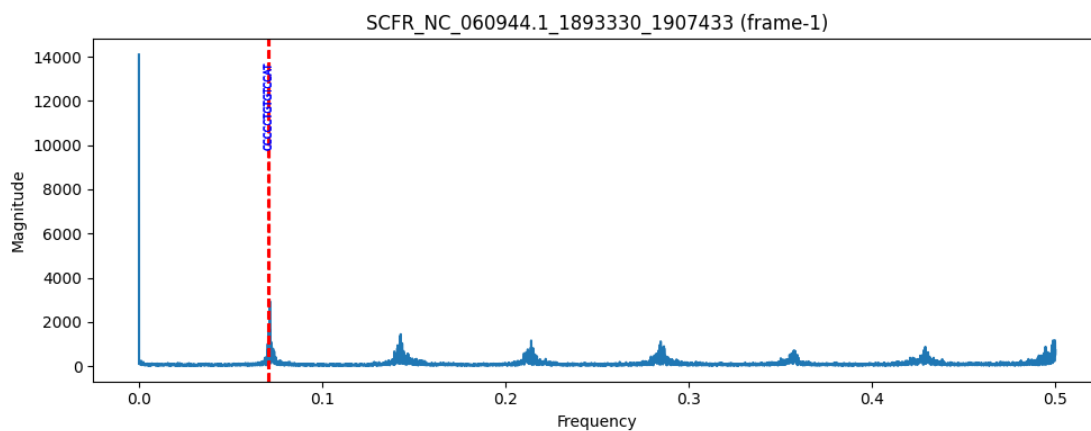


Figure 4: FFT Spectrum for frame-1

Frequency	Motifs
0.071	CCCCCTGTGTCCAT (291), CCCCTGTGTCCATC (291), CCCTGTGTCCATCC (291), CCTGTGTCCAT
0.071	CCCCCTGTGTCCAT (291), CCCCTGTGTCCATC (291), CCCTGTGTCCATCC (291), CCTGTGTCCAT
0.071	CCCCCTGTGTCCAT (291), CCCCTGTGTCCATC (291), CCCTGTGTCCATCC (291), CCTGTGTCCAT

3.2 SCFR_NC_060944.1_1893108_1907463

3.2.1 Protein: frame1

Gene ID: SCFR

Nucleotide Accession: NC_060944.1

Sequence Length: 14355 bp

Protein Description:

Stop-codon-free region (1893108-1907463)

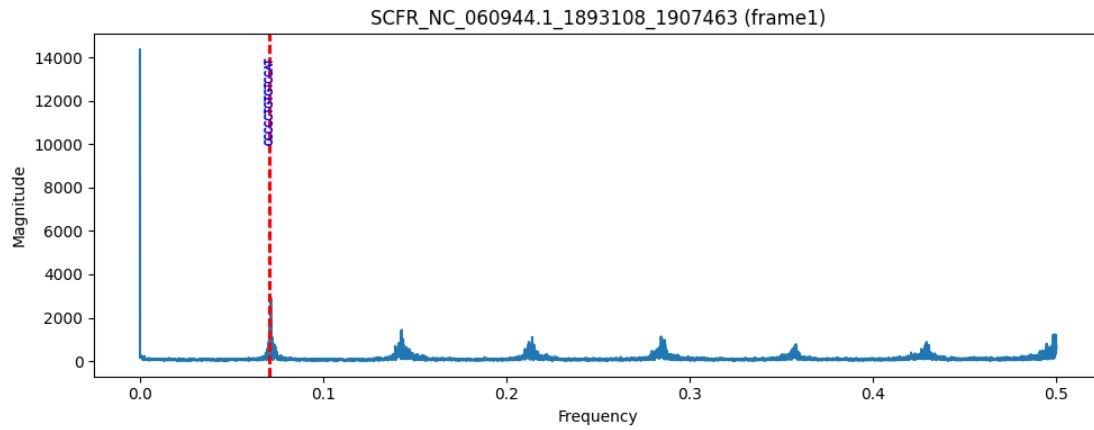


Figure 5: FFT Spectrum for frame1

Frequency	Motifs
0.071	CCCCCTGTGTCCAT (291), CCCCTGTGTCCATC (291), CCCTGTGTCCATCC (291), CCTGTGTCCAT
0.071	CCCCCTGTGTCCAT (291), CCCCTGTGTCCATC (291), CCCTGTGTCCATCC (291), CCTGTGTCCAT
0.071	CCCCCTGTGTCCAT (291), CCCCTGTGTCCATC (291), CCCTGTGTCCATCC (291), CCTGTGTCCAT

3.3 SCFR_NC_060944.1_1893422_1907585

3.3.1 Protein: frame-2

Gene ID: SCFR
Nucleotide Accession: NC_060944.1
Sequence Length: 14163 bp
Protein Description:
Stop-codon-free region (1893422-1907585)

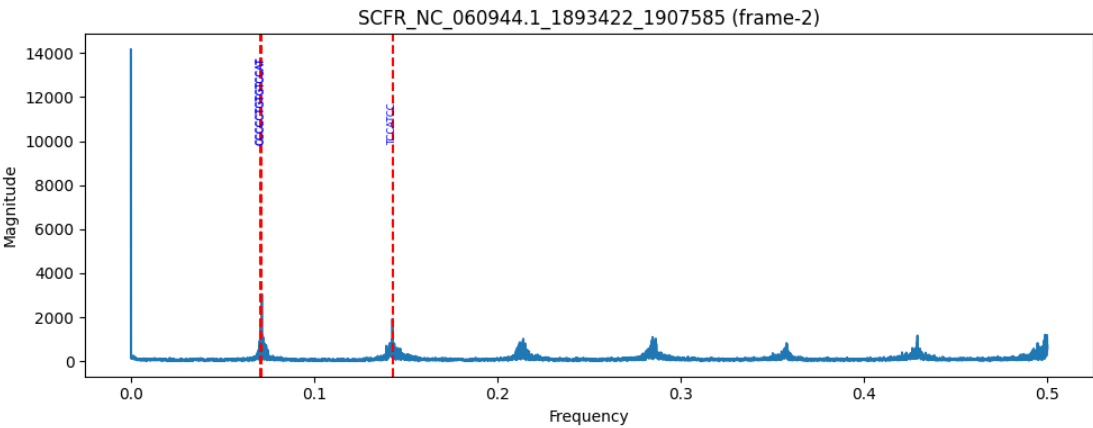


Figure 6: FFT Spectrum for frame-2

Frequency	Motifs
0.071	CCCCCTGTGTCCAT (291), CCCCTGTGTCCATC (291), CCCTGTGTCCATCC (291), CCTGTGTCCAT
0.143	TCCATCC (835), CCATCCC (835), CATCCCC (835), ATCCCCC (779), CCC
0.071	CCCCCTGTGTCCAT (291), CCCCTGTGTCCATC (291), CCCTGTGTCCATCC (291), CCTGTGTCCAT

3.4 SCFR_NC_060944.1_1893379_1907482

3.4.1 Protein: frame2

Gene ID: SCFR

Nucleotide Accession: NC_060944.1

Sequence Length: 14103 bp

Protein Description:

Stop-codon-free region (1893379-1907482)

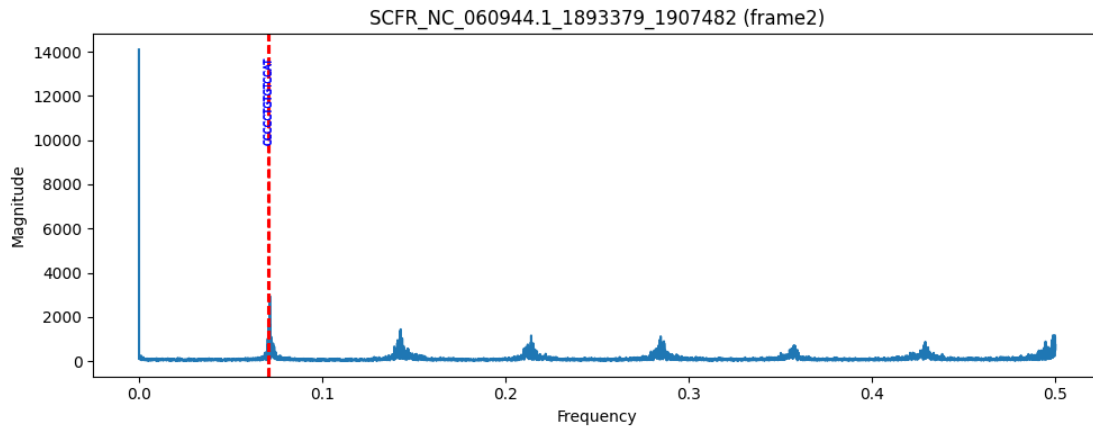


Figure 7: FFT Spectrum for frame2

Frequency	Motifs
0.071	CCCCCTGTGTCCAT (291), CCCCTGTGTCCATC (291), CCCTGTGTCCATCC (291), CCTGTGTCCAT
0.071	CCCCCTGTGTCCAT (291), CCCCTGTGTCCATC (291), CCCTGTGTCCATCC (291), CCTGTGTCCAT
0.071	CCCCCTGTGTCCAT (291), CCCCTGTGTCCATC (291), CCCTGTGTCCATCC (291), CCTGTGTCCAT

3.5 SCFR_NC_060944.1_1893398_1907567

3.5.1 Protein: frame3

Gene ID: SCFR

Nucleotide Accession: NC_060944.1

Sequence Length: 14169 bp

Protein Description:

Stop-codon-free region (1893398-1907567)

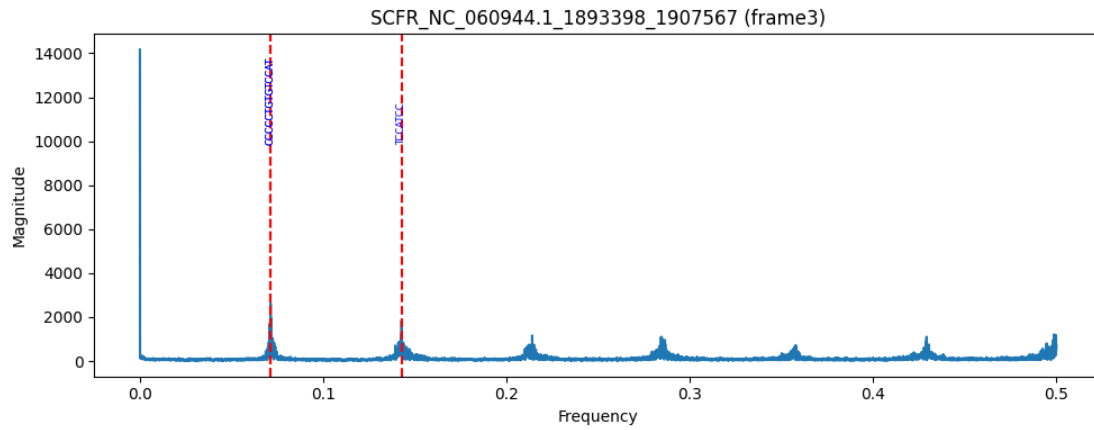


Figure 8: FFT Spectrum for frame3

Frequency	Motifs
0.071	CCCCCTGTGTCCAT (291), CCCCTGTGTCCATC (291), CCCTGTGTCCATCC (291), CCTGTGTCCAT
0.071	CCCCCTGTGTCCAT (291), CCCCTGTGTCCATC (291), CCCTGTGTCCATCC (291), CCTGTGTCCAT
0.143	TCCATCC (835), CCATCCC (835), CATCCCC (835), ATCCCCC (779), CCC

3.6 SCFR_NC_060944.1_1893463_1907521

3.6.1 Protein: frame-3

Gene ID: SCFR
Nucleotide Accession: NC_060944.1
Sequence Length: 14058 bp
Protein Description:
Stop-codon-free region (1893463-1907521)

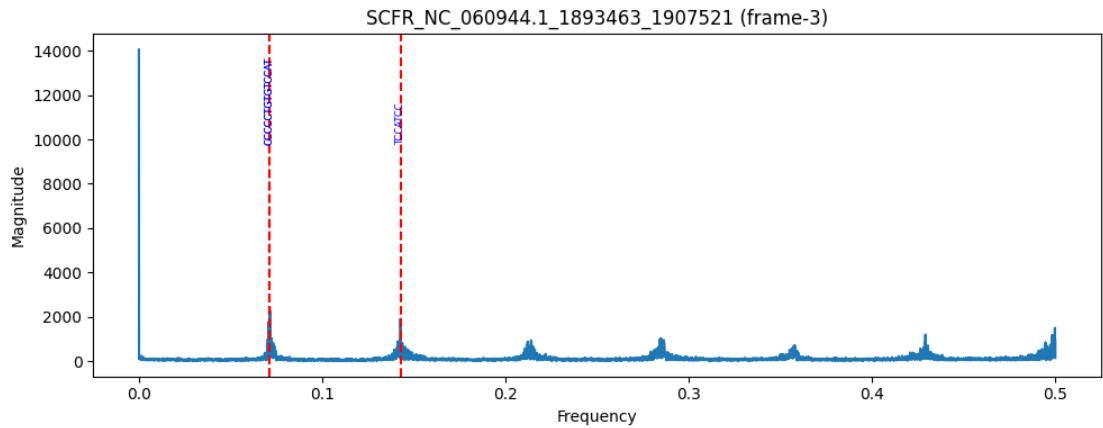


Figure 9: FFT Spectrum for frame-3

Frequency	Motifs
0.071	CCCCCTGTGTCCAT (291), CCCCTGTGTCCATC (291), CCCTGTGTCCATCC (291), CCTGTGTCCAT
0.071	CCCCCTGTGTCCAT (291), CCCCTGTGTCCATC (291), CCCTGTGTCCATCC (291), CCTGTGTCCAT
0.143	TCCATCC (835), CCATCCC (835), CATCCCC (835), ATCCCCC (779), CCC