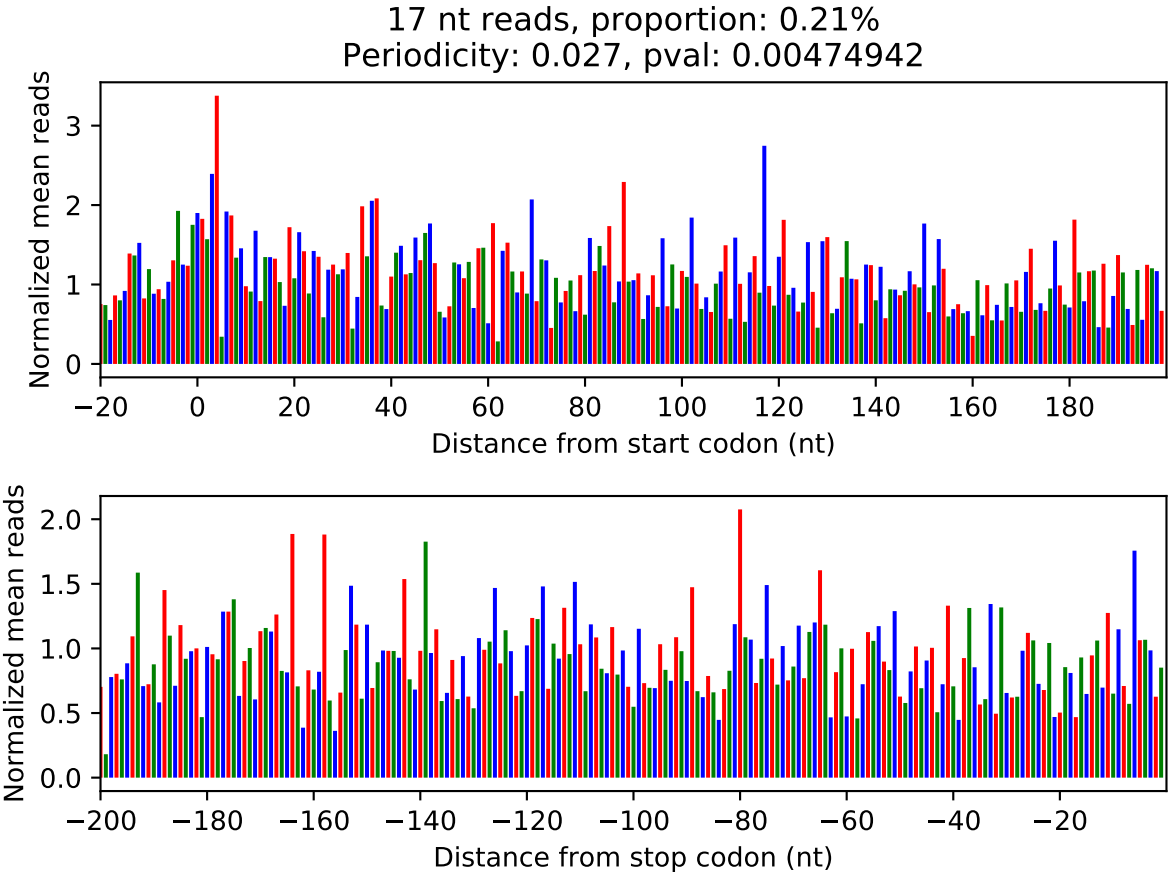
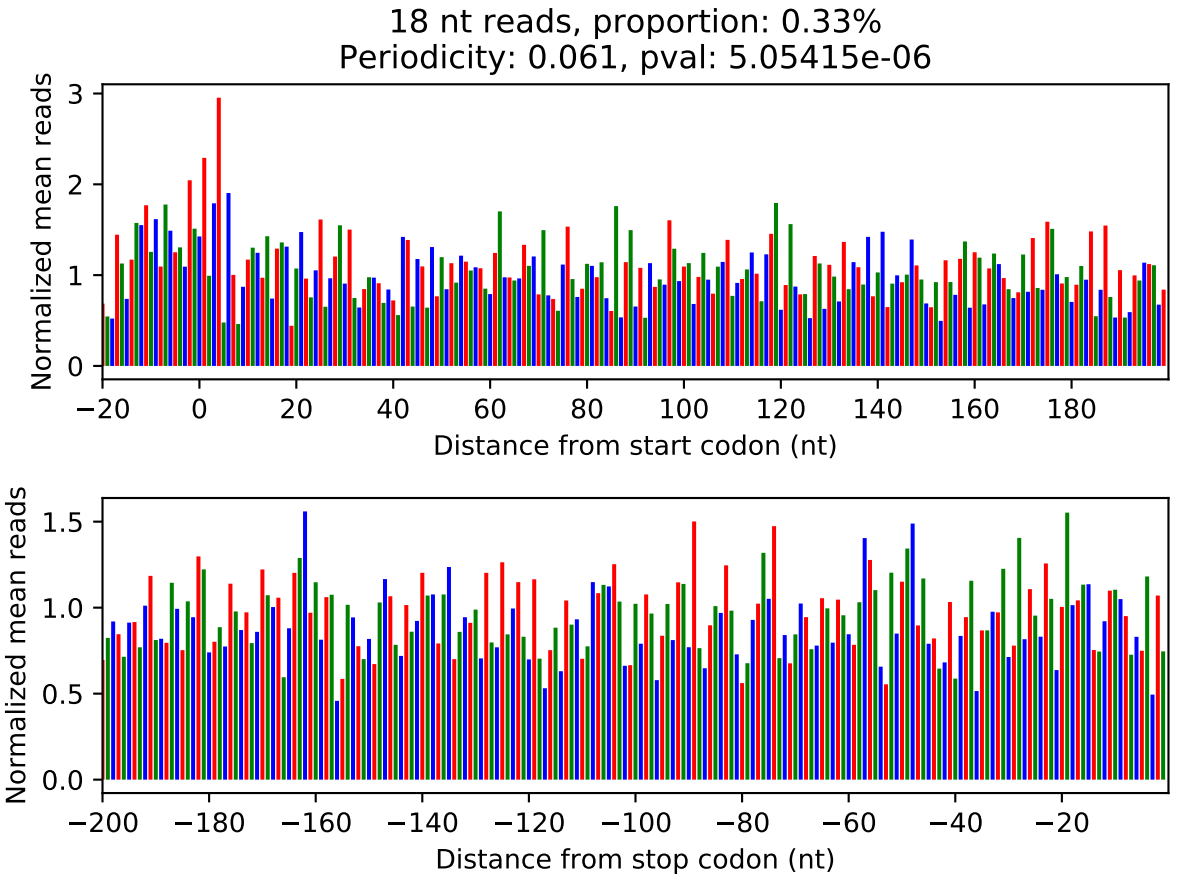
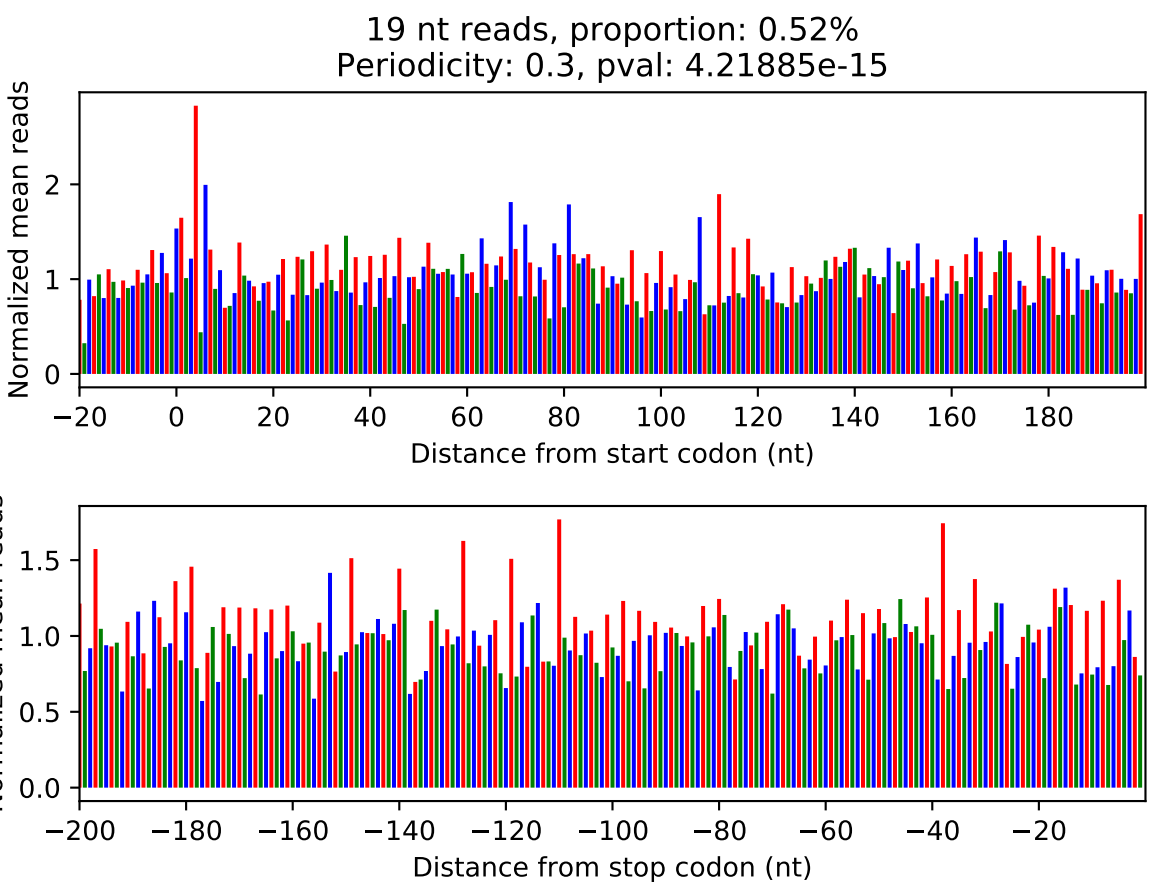
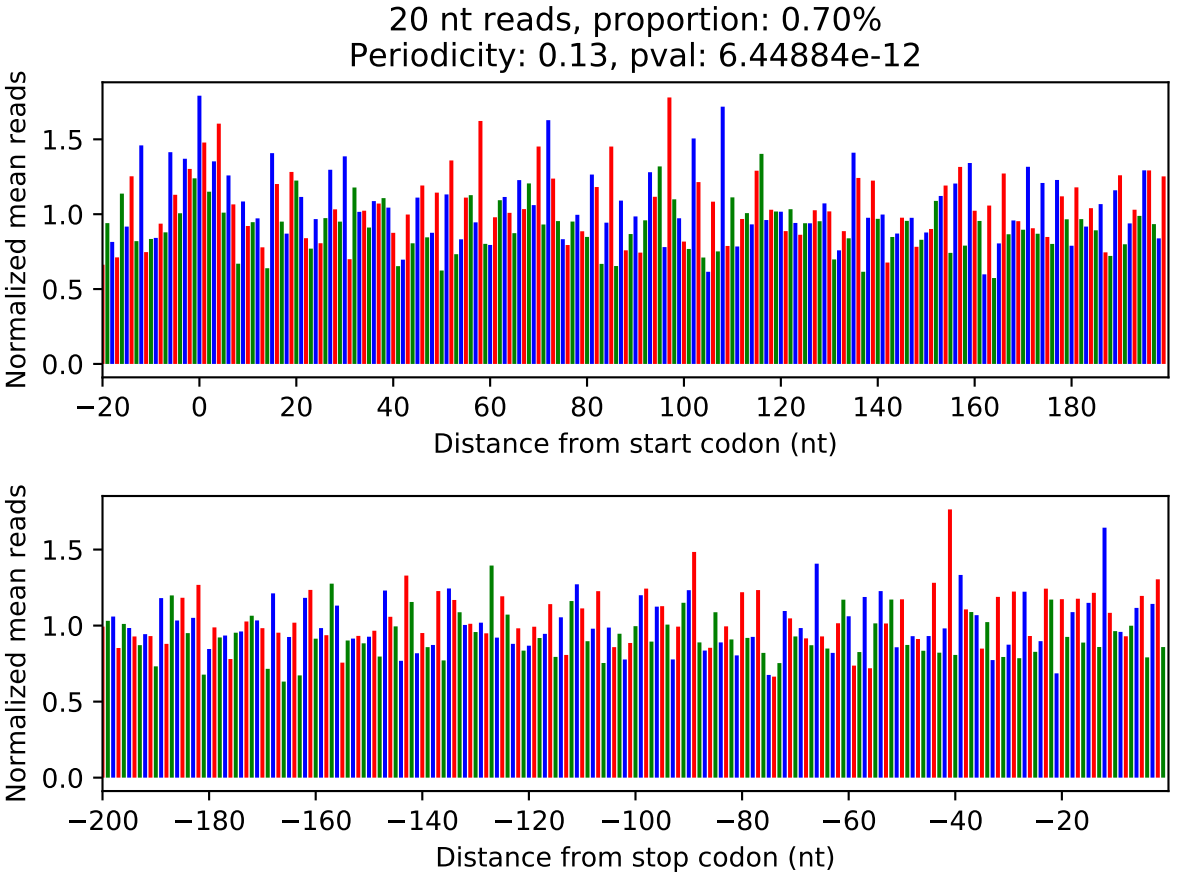
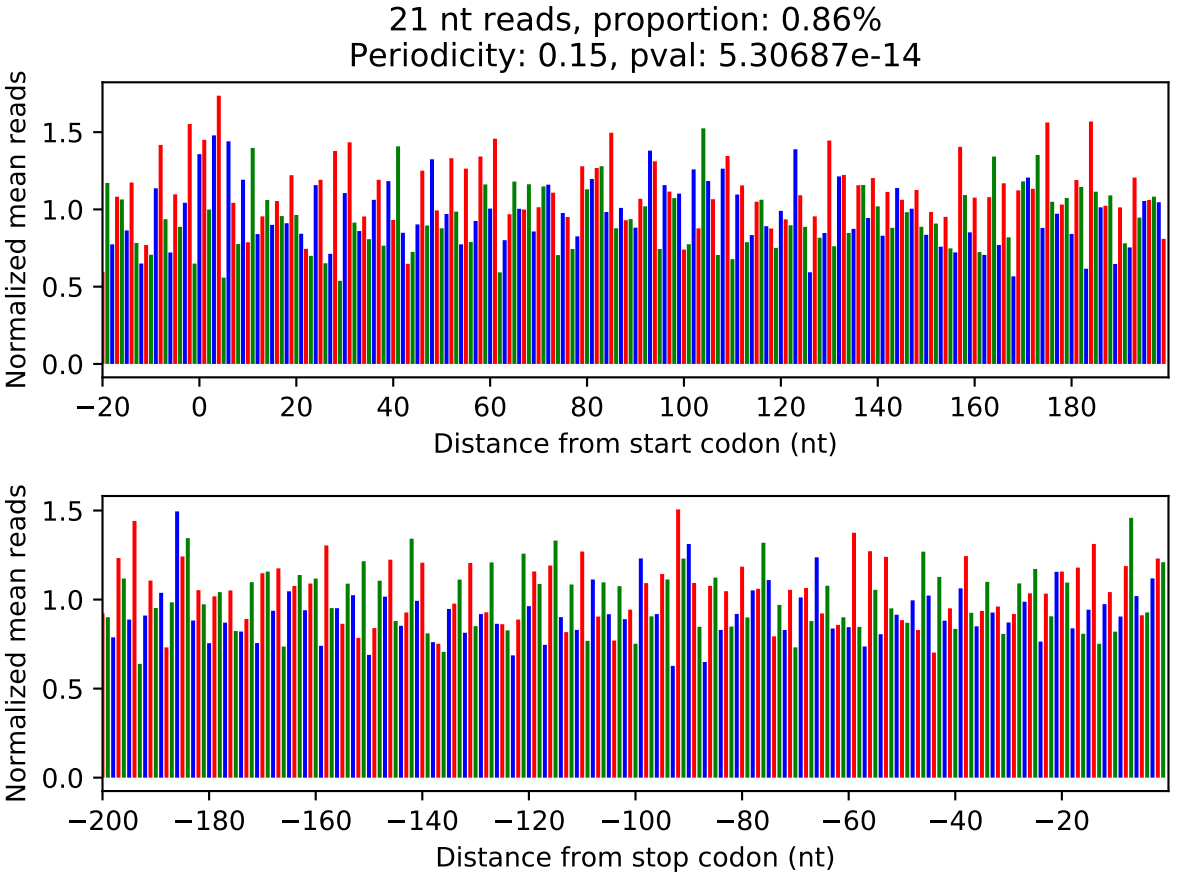
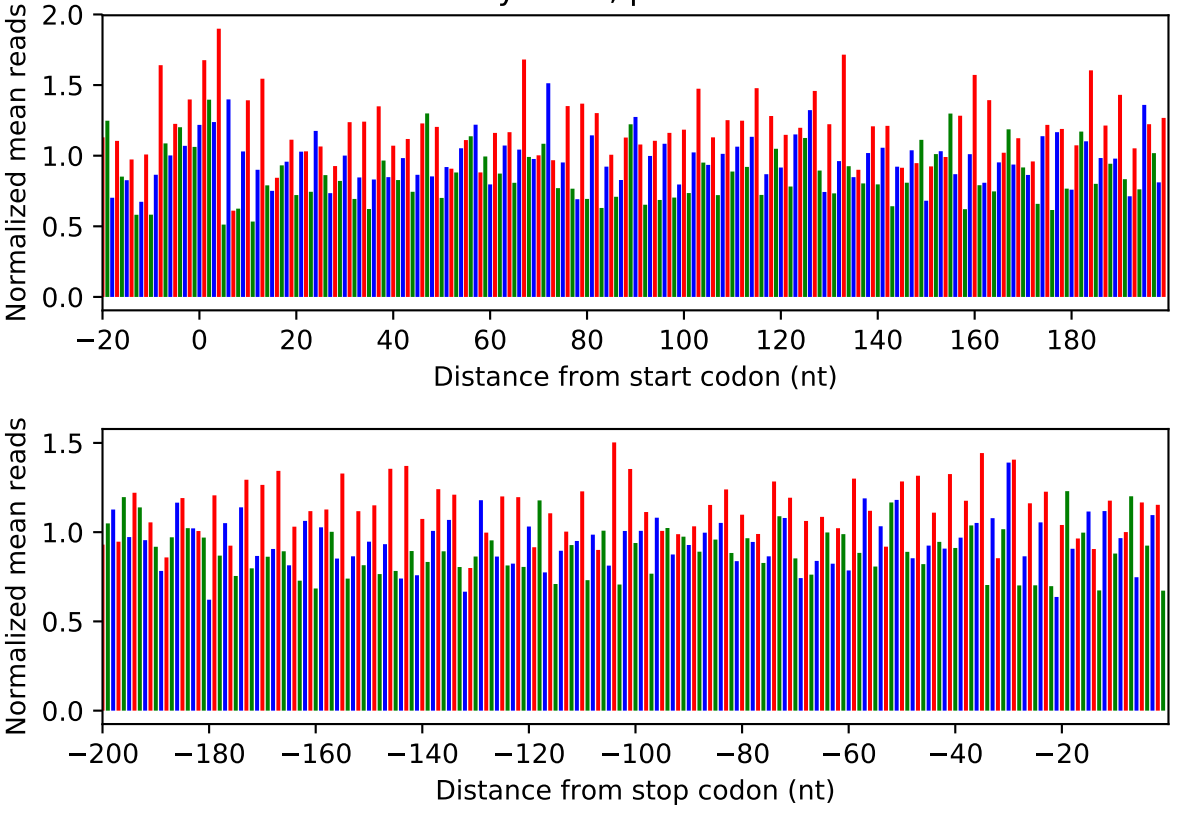

17 nt reads, proportion: 0.21%
Periodicity: 0.027, pval: 0.00474942
Normalized mean reads
0
1
2
3
−20
0
20
40
60
80
100
120
140
160
180
Distance from start codon (nt)
Normalized mean reads
0.0
0.5
1.0
1.5
2.0
−200
−180
−160
−140
−120
−100
−80
−60
−40
−20
Distance from stop codon (nt)

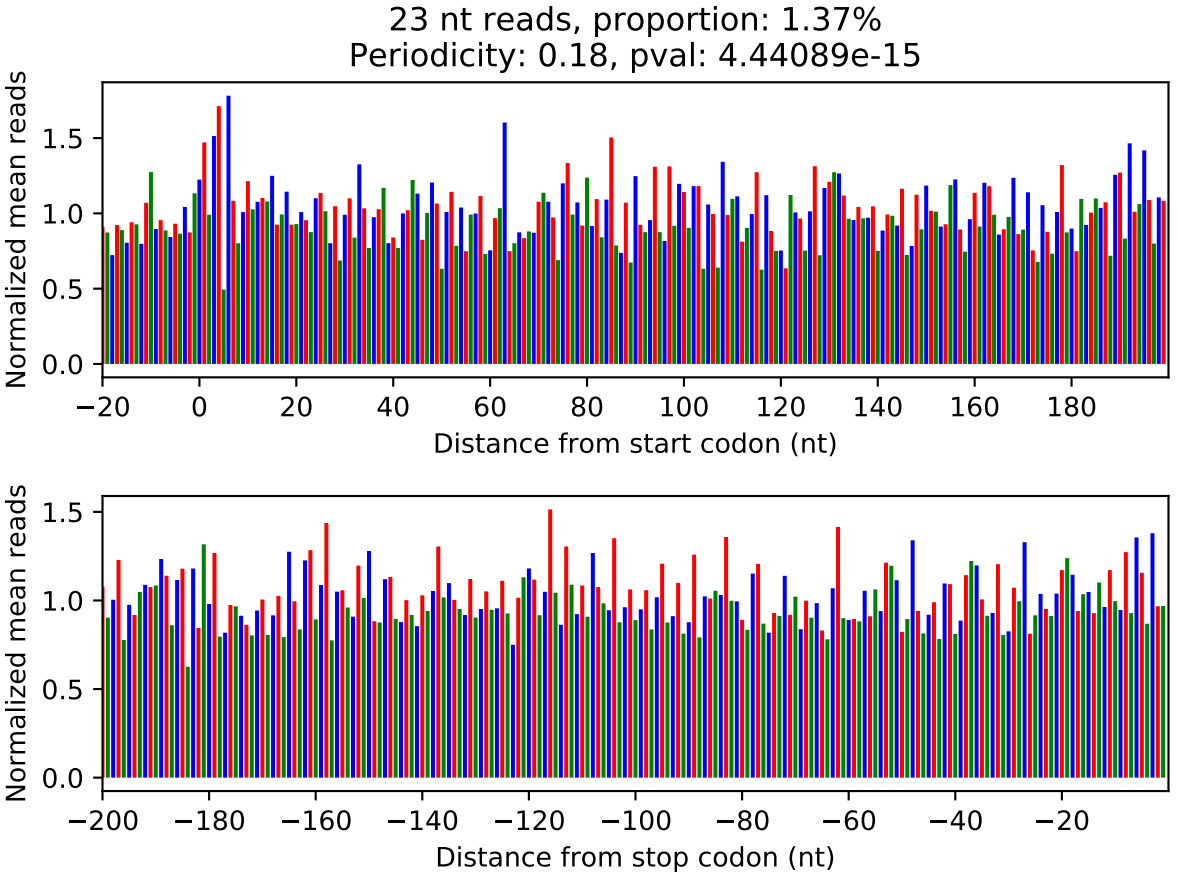

18 nt reads, proportion: 0.33%
Periodicity: 0.061, pval: 5.05415e-06
Normalized mean reads
0
1
2
3
−20
0
20
40
60
80
100
120
140
160
180
Distance from start codon (nt)
Normalized mean reads
0.0
0.5
1.0
1.5
−200
−180
−160
−140
−120
−100
−80
−60
−40
−20
Distance from stop codon (nt)

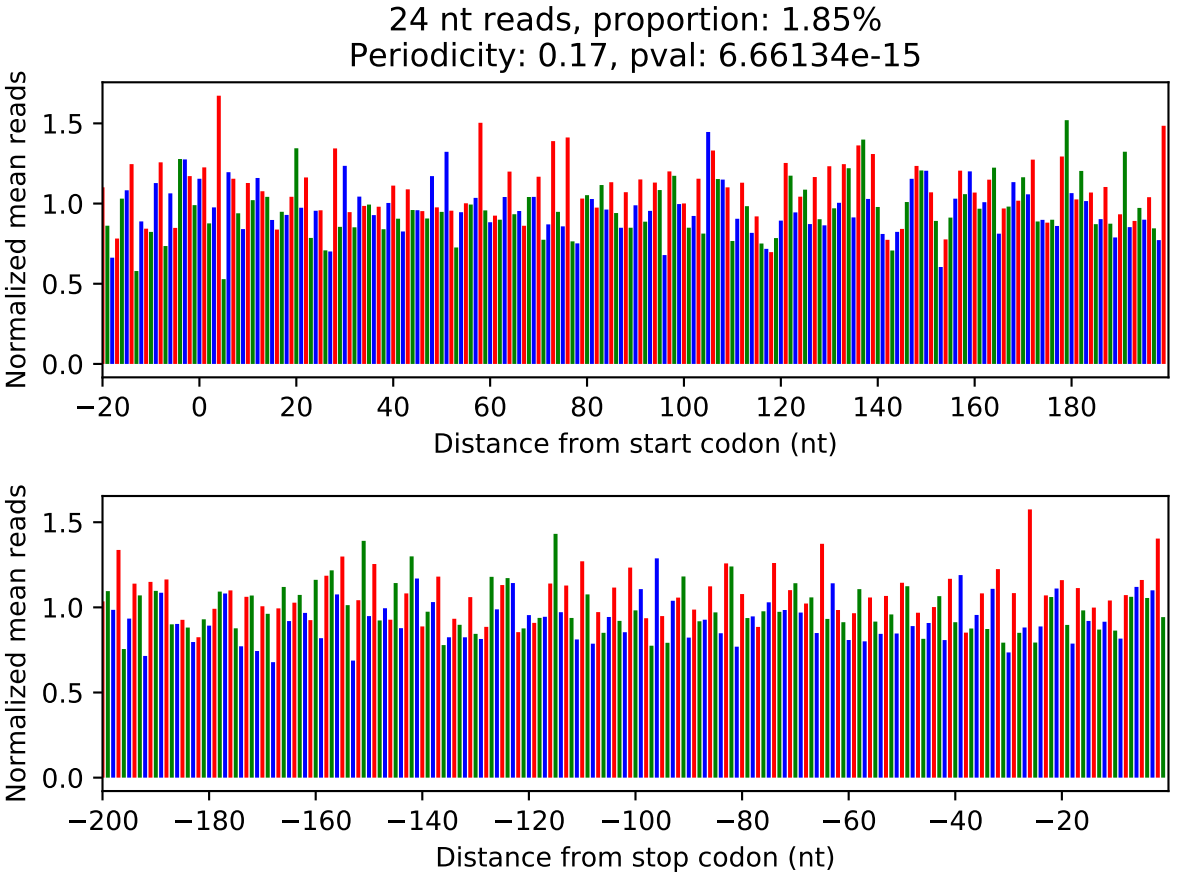

19 nt reads, proportion: 0.52%
Periodicity: 0.3, pval: 4.21885e-15
Normalized mean reads
0
1
2
−20
0
20
40
60
80
100
120
140
160
180
Distance from start codon (nt)
Normalized mean reads
0.0
0.5
1.0
1.5
−200
−180
−160
−140
−120
−100
−80
−60
−40
−20
Distance from stop codon (nt)

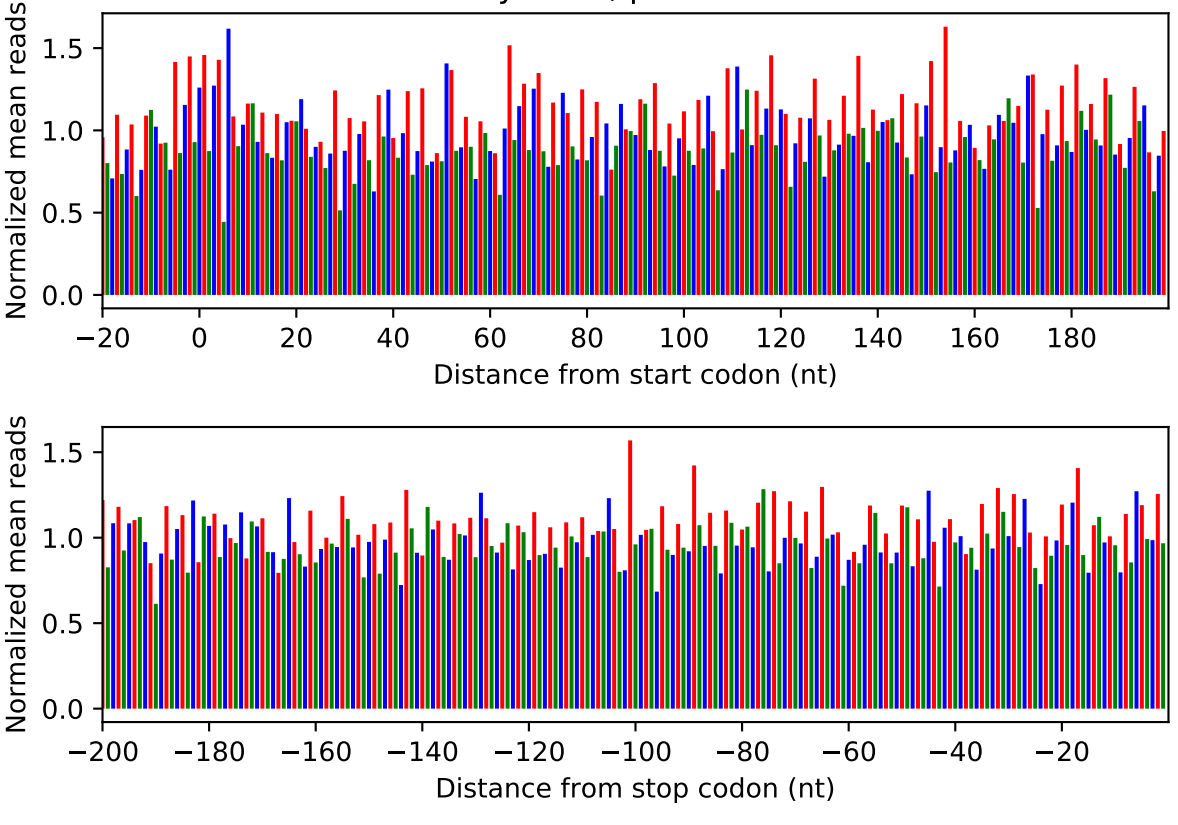

20 nt reads, proportion: 0.70%
Periodicity: 0.13, pval: 6.44884e-12
Normalized mean reads
0.0
0.5
1.0
1.5
−20
0
20
40
60
80
100
120
140
160
180
Distance from start codon (nt)
Normalized mean reads
0.0
0.5
1.0
1.5
−200
−180
−160
−140
−120
−100
−80
−60
−40
−20
Distance from stop codon (nt)

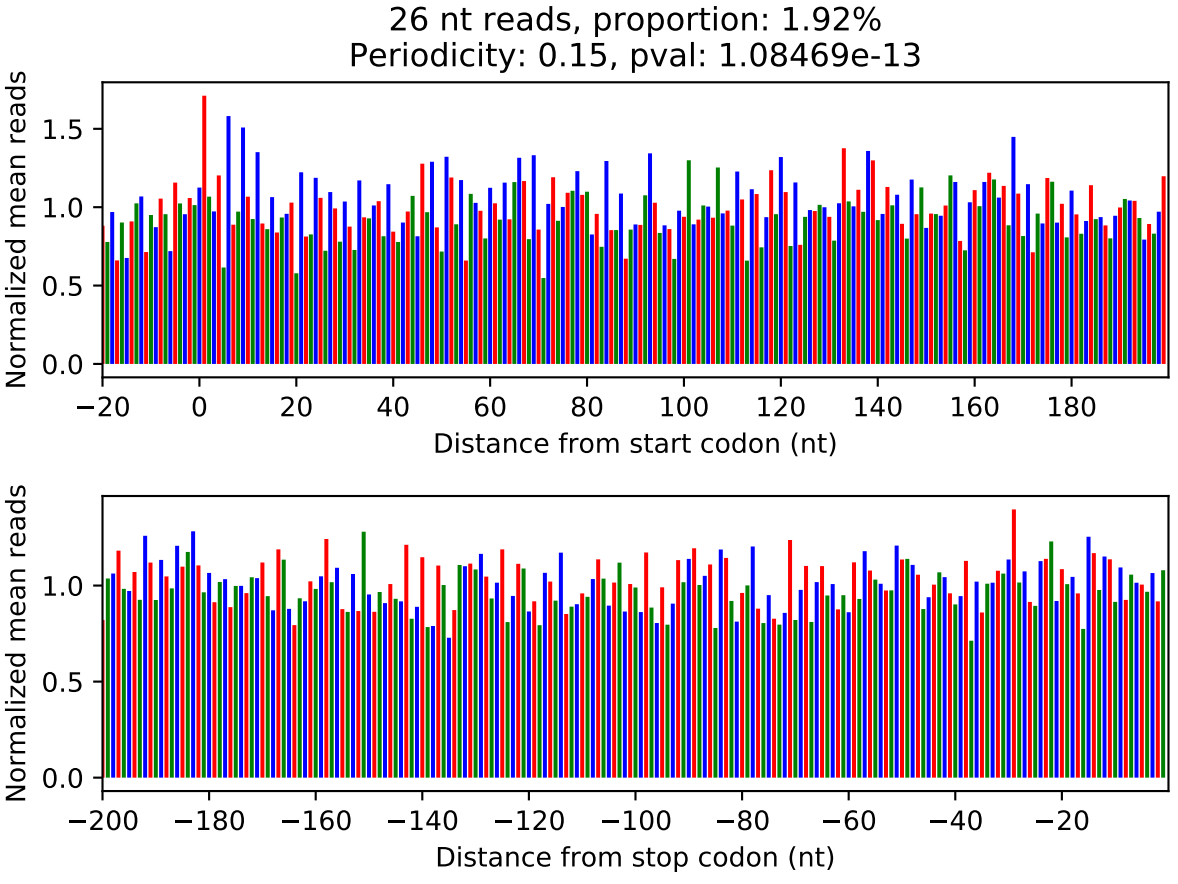

21 nt reads, proportion: 0.86%
Periodicity: 0.15, pval: 5.30687e-14
Normalized mean reads
0.0
0.5
1.0
1.5
−20
0
20
40
60
80
100
120
140
160
180
Distance from start codon (nt)
Normalized mean reads
0.0
0.5
1.0
1.5
−200
−180
−160
−140
−120
−100
−80
−60
−40
−20
Distance from stop codon (nt)

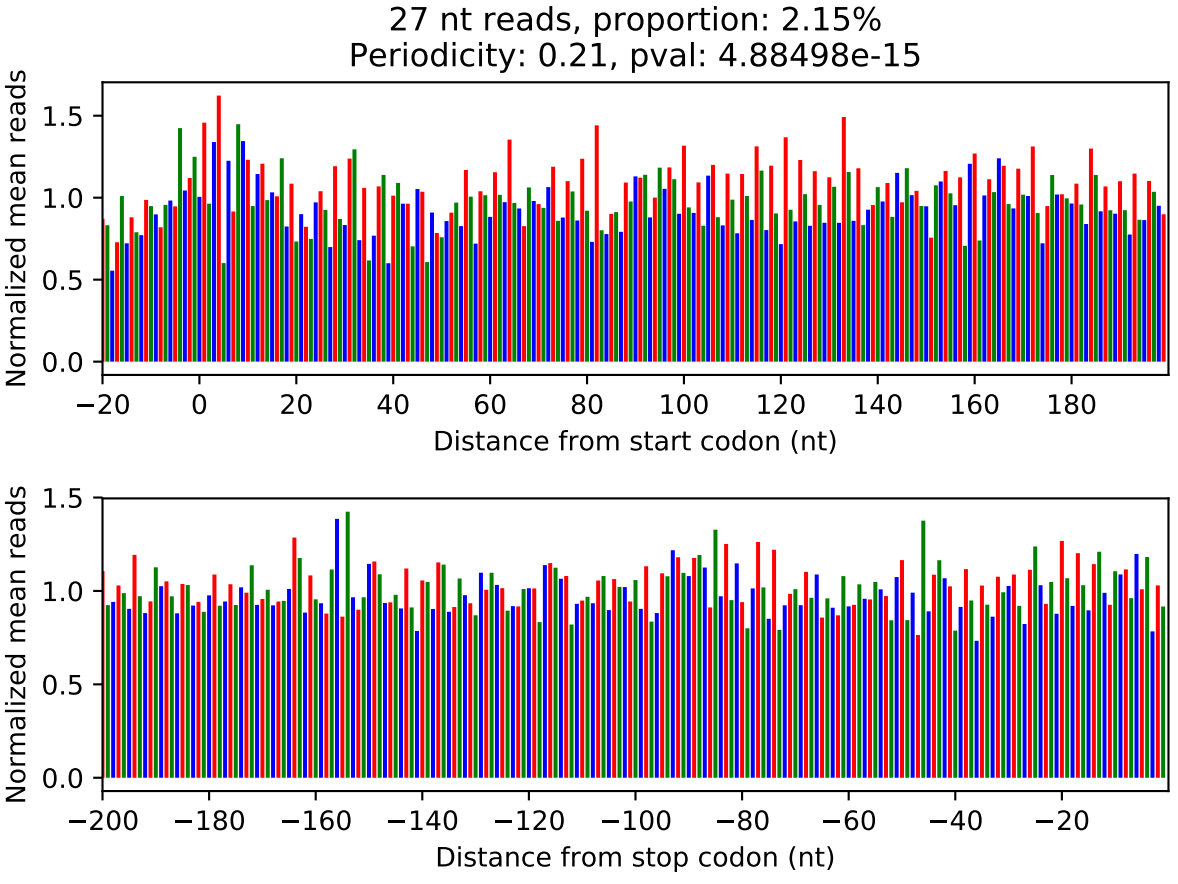

22 nt reads, proportion: 1.03%
Periodicity: 0.42, pval: 4.88498e-15
Normalized mean reads
2.0
1.5
1.0
0.5
0.0
−20
0
20
40
60
80
100
120
140
160
180
Distance from start codon (nt)
Normalized mean reads
1.5
1.0
0.5
0.0
−200
−180
−160
−140
−120
−100
−80
−60
−40
−20
Distance from stop codon (nt)

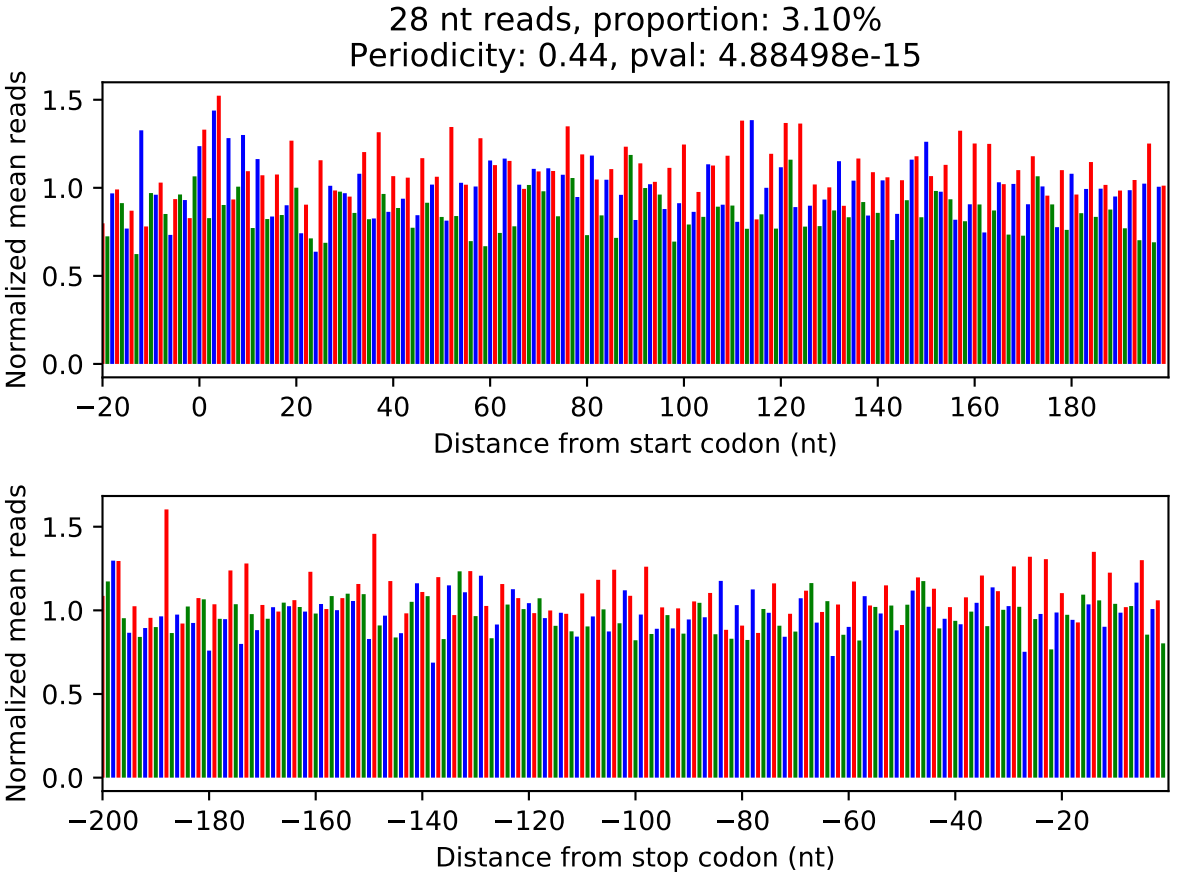

23 nt reads, proportion: 1.37%
Periodicity: 0.18, pval: 4.44089e-15
Normalized mean reads
0.0
0.5
1.0
1.5
−20
0
20
40
60
80
100
120
140
160
180
Distance from start codon (nt)
Normalized mean reads
0.0
0.5
1.0
1.5
−200
−180
−160
−140
−120
−100
−80
−60
−40
−20
Distance from stop codon (nt)

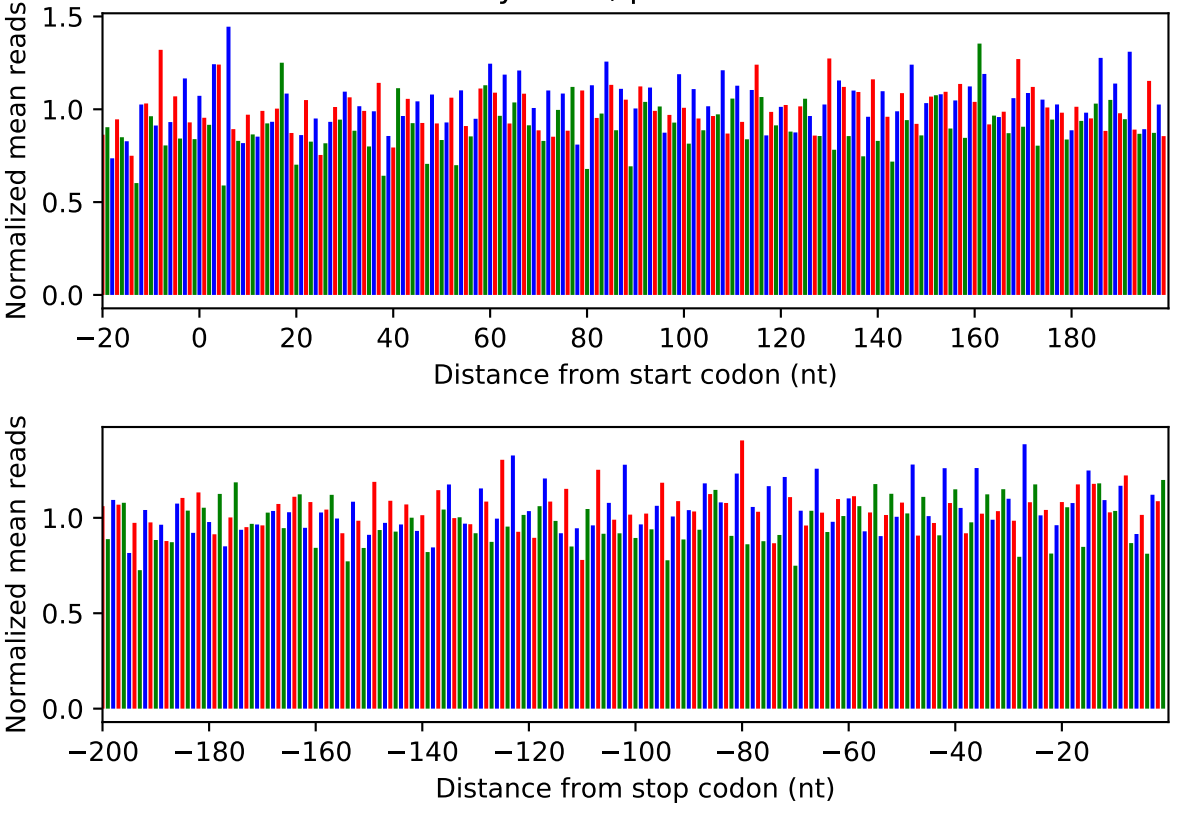

24 nt reads, proportion: 1.85%
Periodicity: 0.17, pval: 6.66134e-15
Normalized mean reads
0.0
0.5
1.0
1.5
−20
0
20
40
60
80
100
120
140
160
180
Distance from start codon (nt)
Normalized mean reads
0.0
0.5
1.0
1.5
−200
−180
−160
−140
−120
−100
−80
−60
−40
−20
Distance from stop codon (nt)

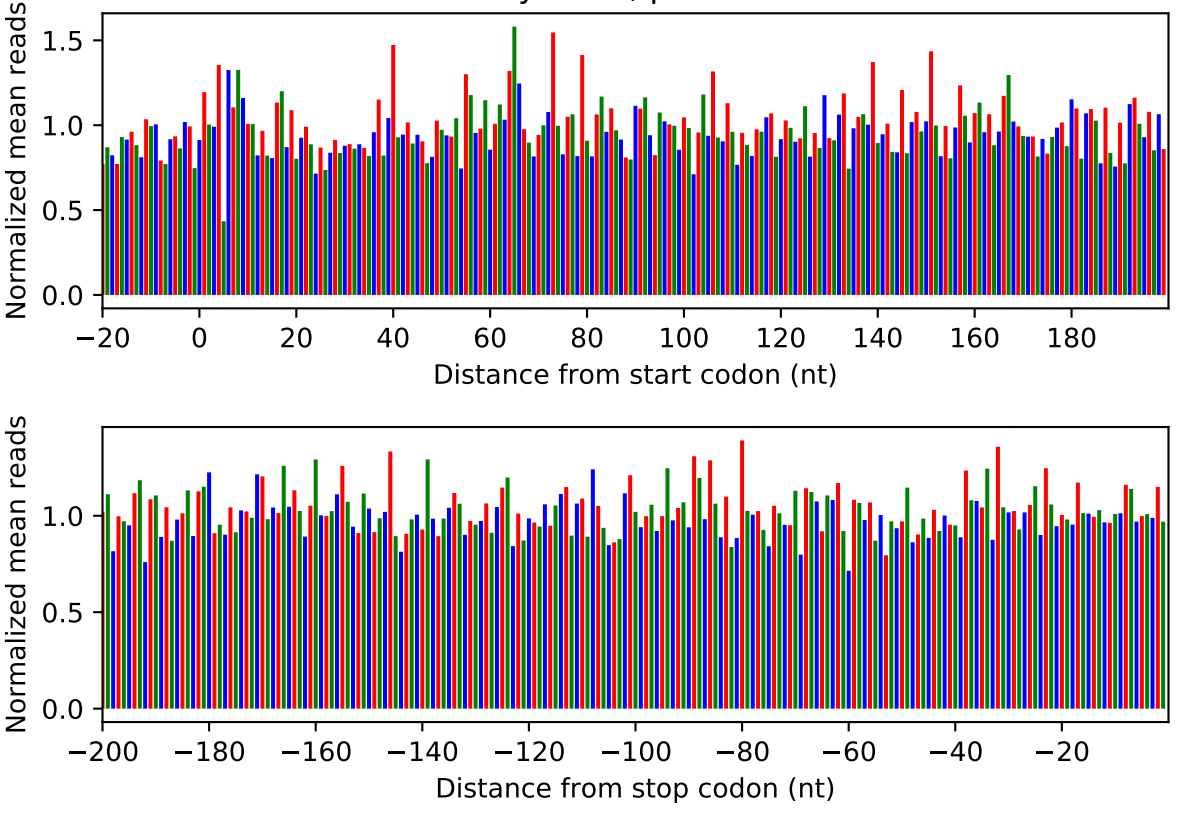

25 nt reads, proportion: 1.68%
Periodicity: 0.43, pval: 4.21885e-15
Normalized mean reads
0.0
0.5
1.0
1.5
−20
0
20
40
60
80
100
120
140
160
180
Distance from start codon (nt)
Normalized mean reads
0.0
0.5
1.0
1.5
−200
−180
−160
−140
−120
−100
−80
−60
−40
−20
Distance from stop codon (nt)

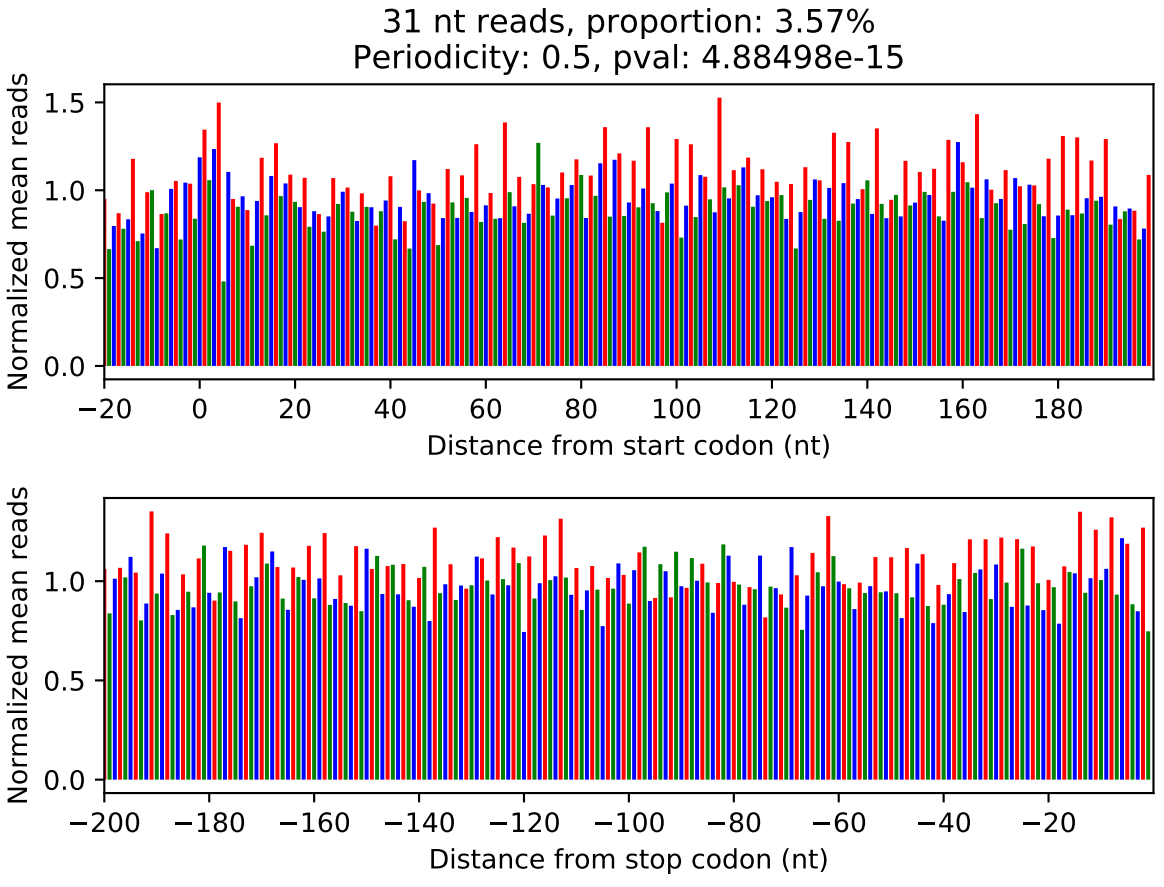

26 nt reads, proportion: 1.92%
Periodicity: 0.15, pval: 1.08469e-13
Normalized mean reads
0.0
0.5
1.0
1.5
−20
0
20
40
60
80
100
120
140
160
180
Distance from start codon (nt)
Normalized mean reads
0.0
0.5
1.0
−200
−180
−160
−140
−120
−100
−80
−60
−40
−20
Distance from stop codon (nt)

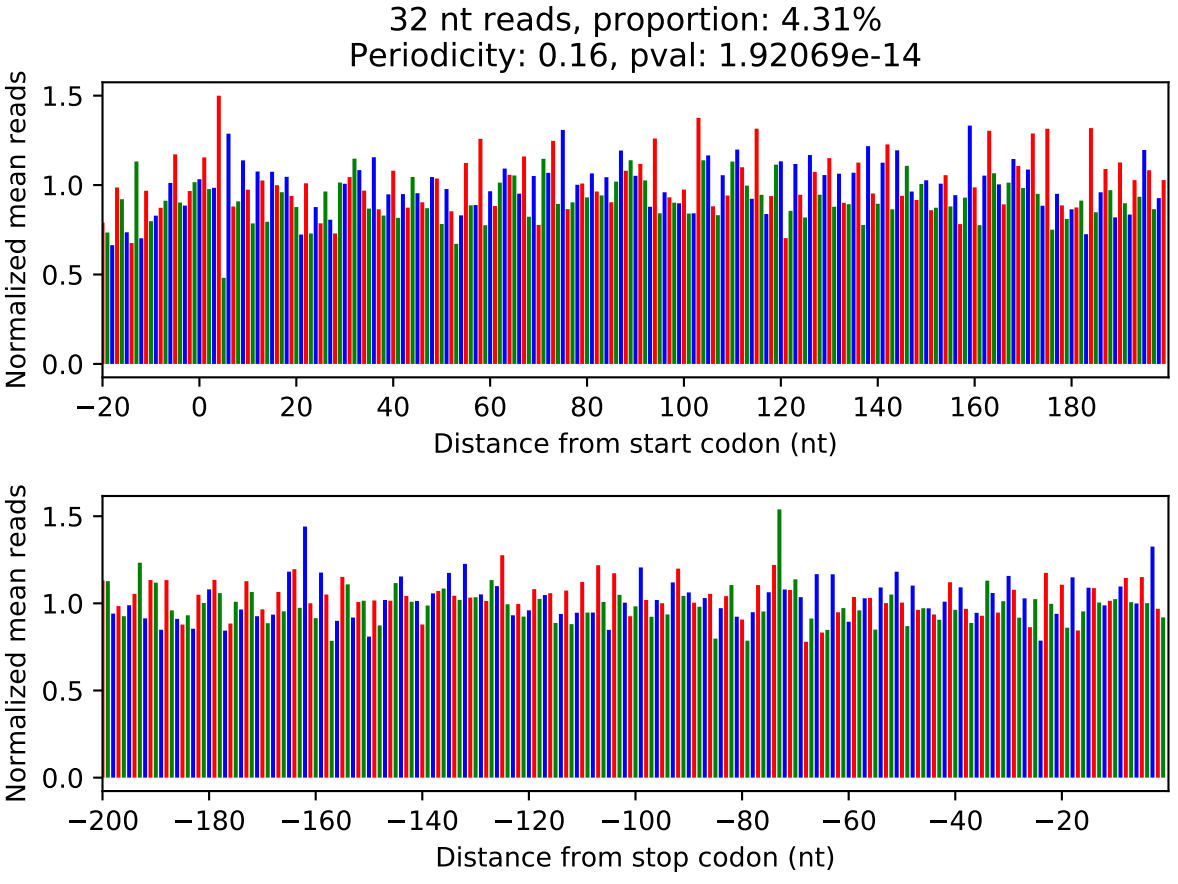

27 nt reads, proportion: 2.15%
Periodicity: 0.21, pval: 4.88498e-15
Normalized mean reads
0.0
0.5
1.0
1.5
−20
0
20
40
60
80
100
120
140
160
180
Distance from start codon (nt)
Normalized mean reads
0.0
0.5
1.0
1.5
−200
−180
−160
−140
−120
−100
−80
−60
−40
−20
Distance from stop codon (nt)

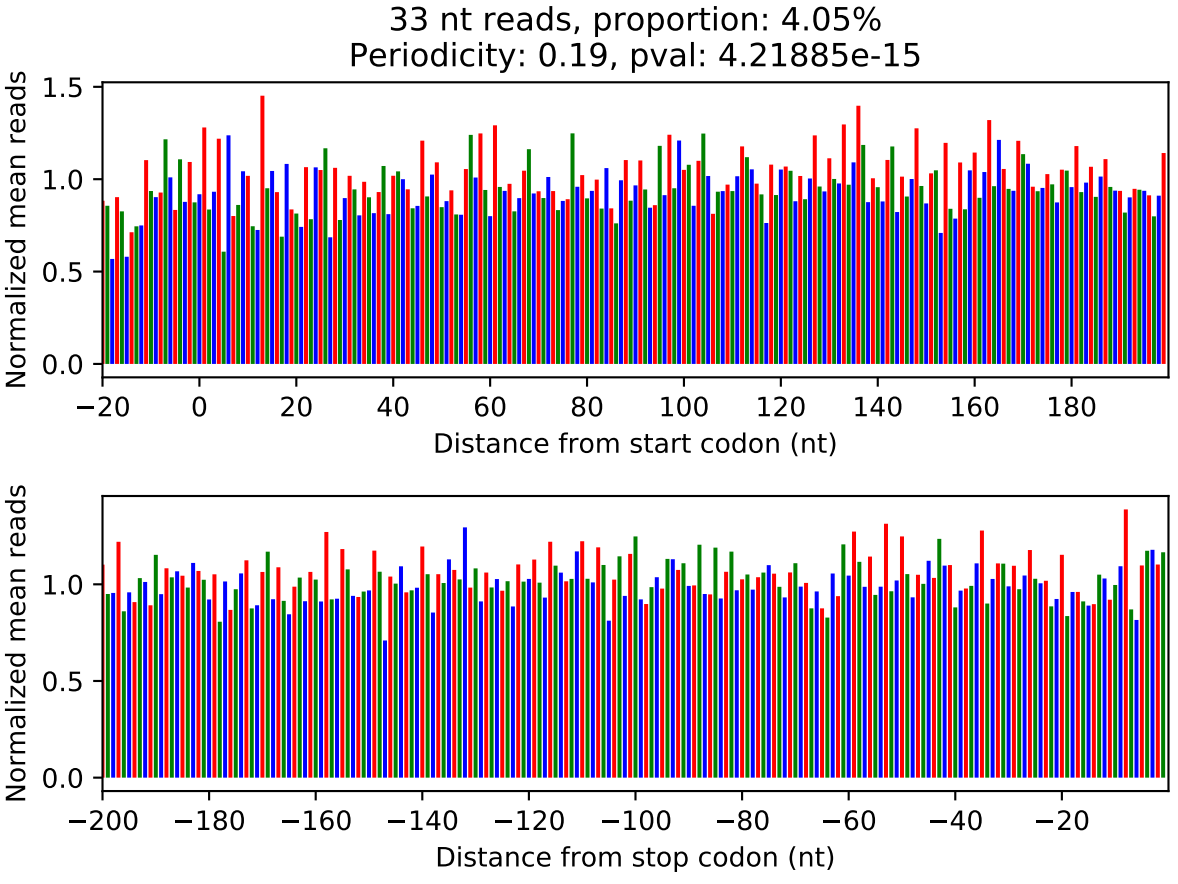

28 nt reads, proportion: 3.10%
Periodicity: 0.44, pval: 4.88498e-15
Normalized mean reads
0.0
0.5
1.0
1.5
−20
0
20
40
60
80
100
120
140
160
180
Distance from start codon (nt)
Normalized mean reads
0.0
0.5
1.0
1.5
−200
−180
−160
−140
−120
−100
−80
−60
−40
−20
Distance from stop codon (nt)

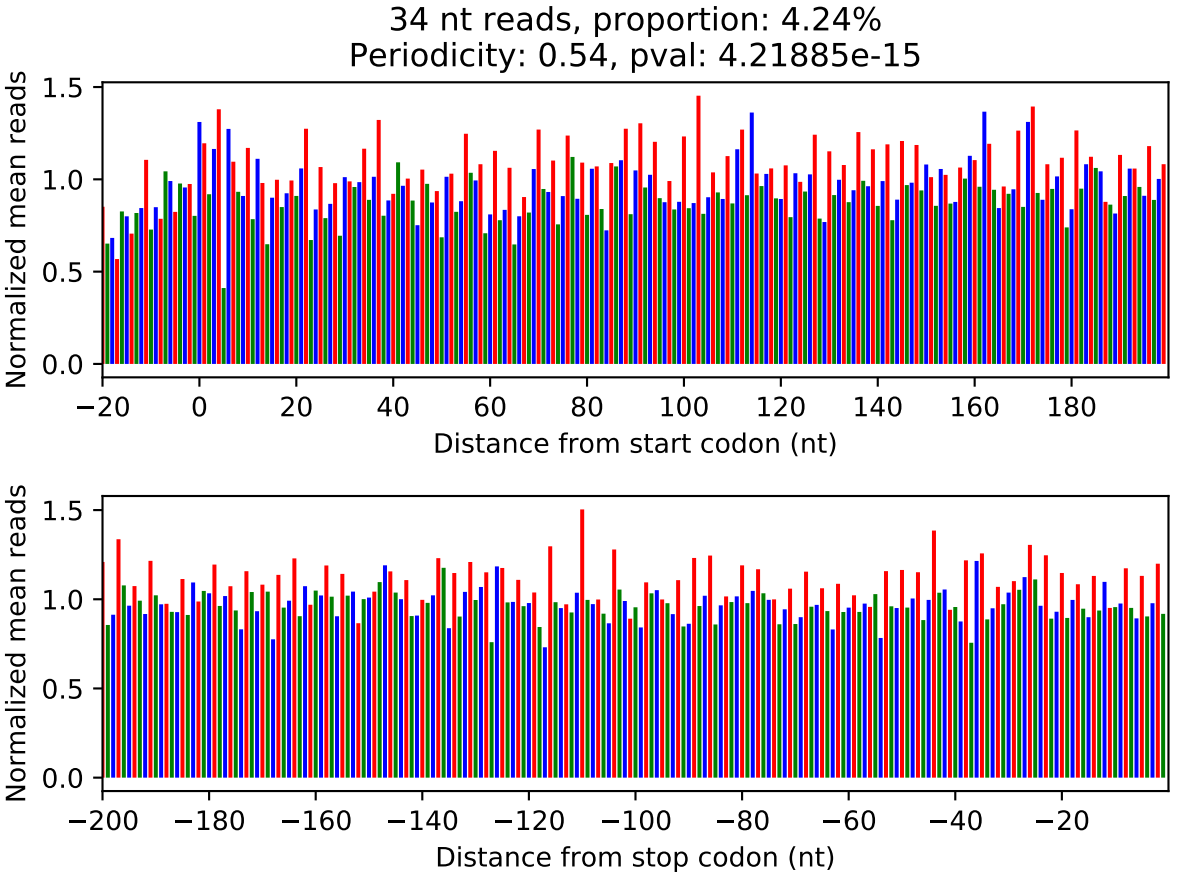

29 nt reads, proportion: 3.00%
Periodicity: 0.22, pval: 4.88498e-15
Normalized mean reads
1.5
1.0
0.5
0.0
−20
0
20
40
60
80
100
120
140
160
180
Distance from start codon (nt)
Normalized mean reads
1.0
0.5
0.0
−200
−180
−160
−140
−120
−100
−80
−60
−40
−20
Distance from stop codon (nt)

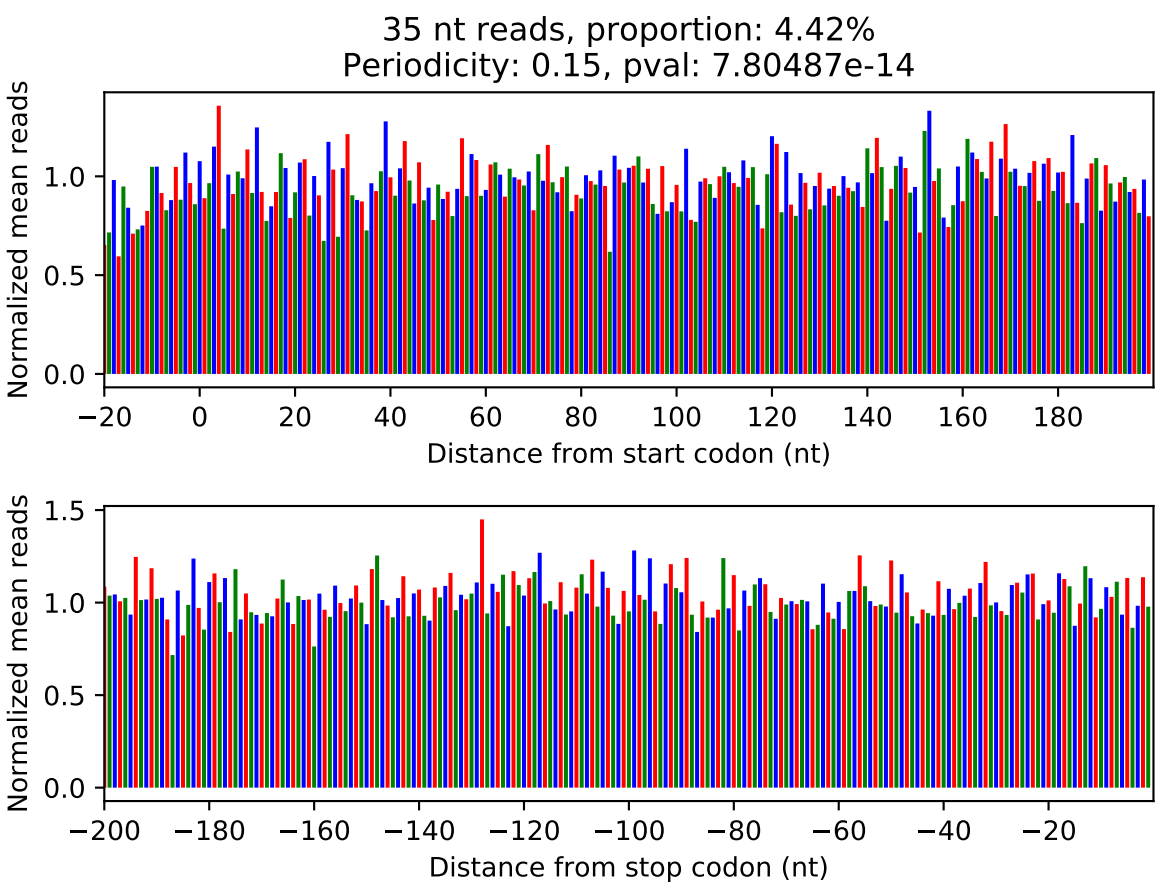

30 nt reads, proportion: 3.14%
Periodicity: 0.18, pval: 4.996e-15
Normalized mean reads
0.0
0.5
1.0
1.5
−20
0
20
40
60
80
100
120
140
160
180
Distance from start codon (nt)
Normalized mean reads
0.0
0.5
1.0
−200
−180
−160
−140
−120
−100
−80
−60
−40
−20
Distance from stop codon (nt)

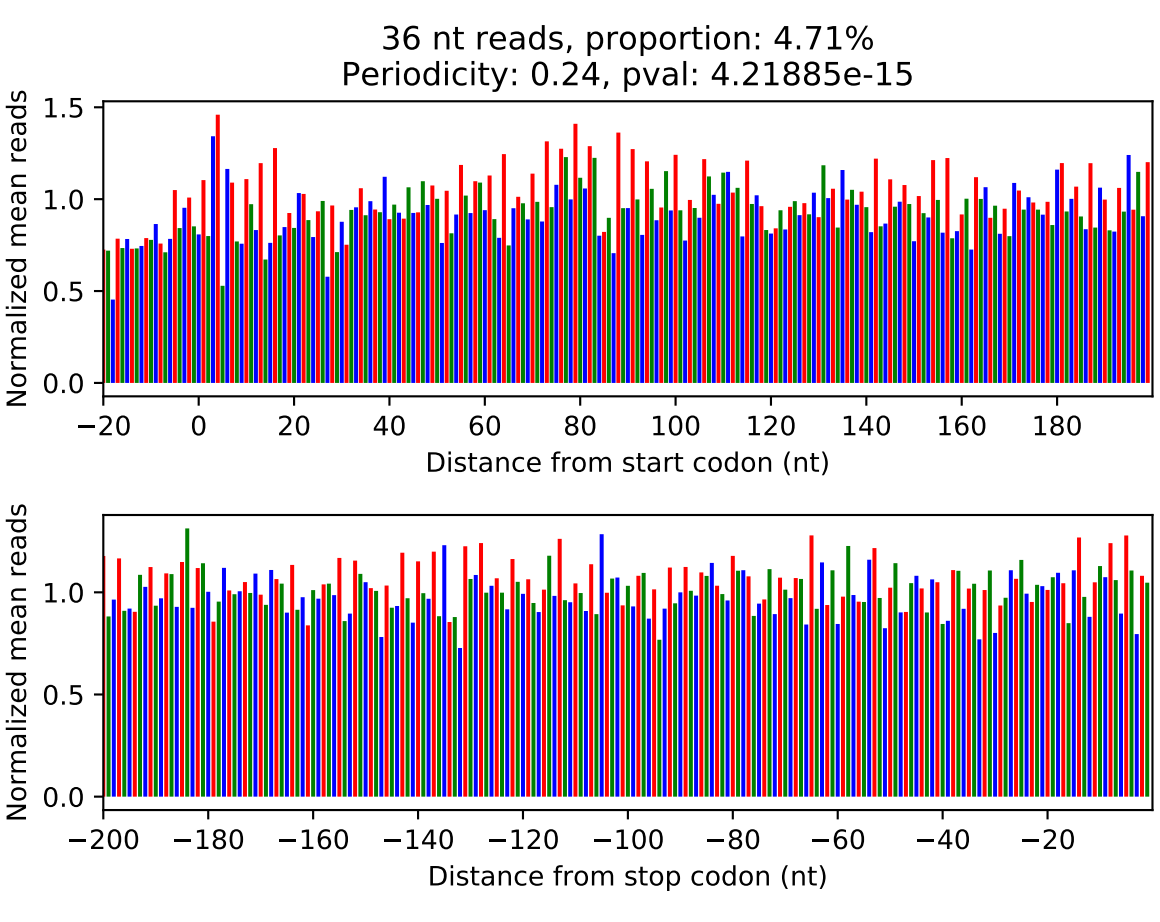

31 nt reads, proportion: 3.57%
Periodicity: 0.5, pval: 4.88498e-15
Normalized mean reads
0.0
0.5
1.0
1.5
−20
0
20
40
60
80
100
120
140
160
180
Distance from start codon (nt)
Normalized mean reads
0.0
0.5
1.0
−200
−180
−160
−140
−120
−100
−80
−60
−40
−20
Distance from stop codon (nt)

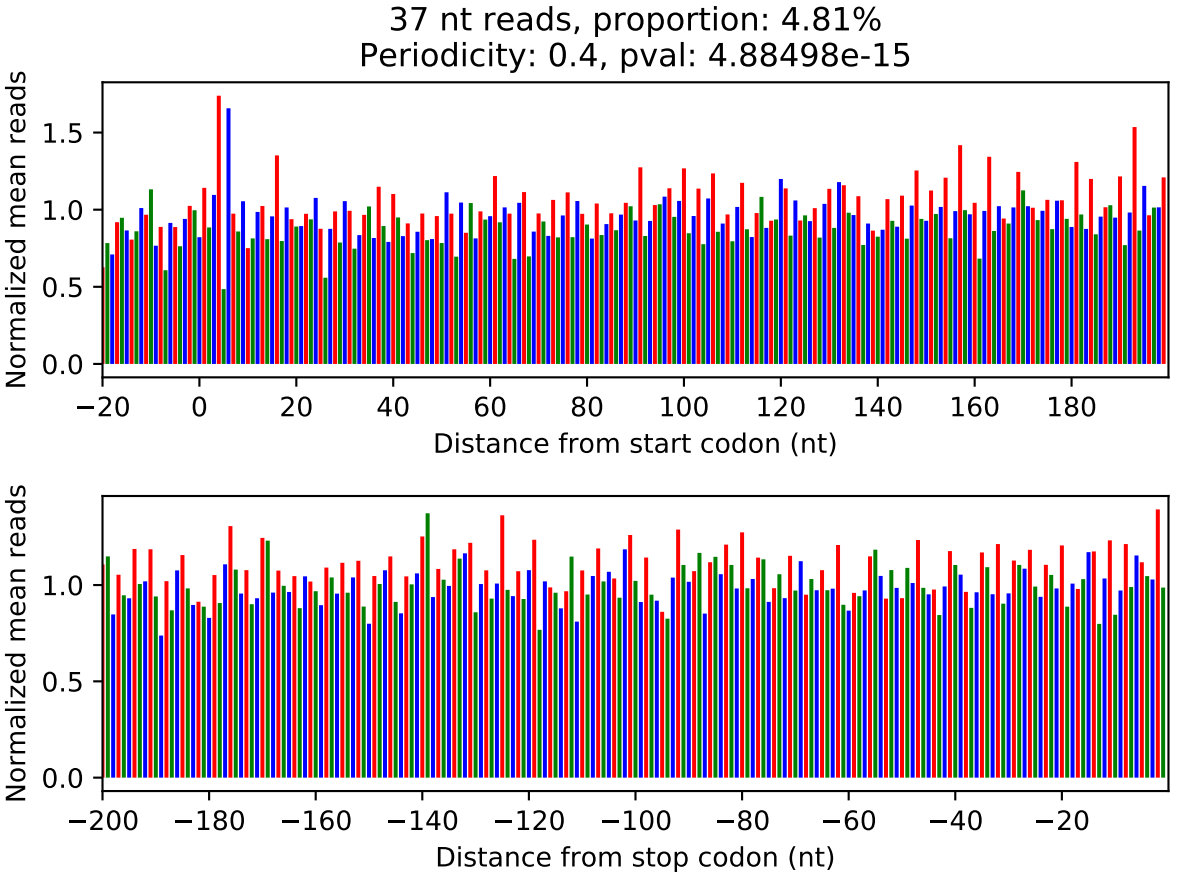

32 nt reads, proportion: 4.31%
Periodicity: 0.16, pval: 1.92069e-14
Normalized mean reads
0.0
0.5
1.0
1.5
−20
0
20
40
60
80
100
120
140
160
180
Distance from start codon (nt)
Normalized mean reads
0.0
0.5
1.0
1.5
−200
−180
−160
−140
−120
−100
−80
−60
−40
−20
Distance from stop codon (nt)

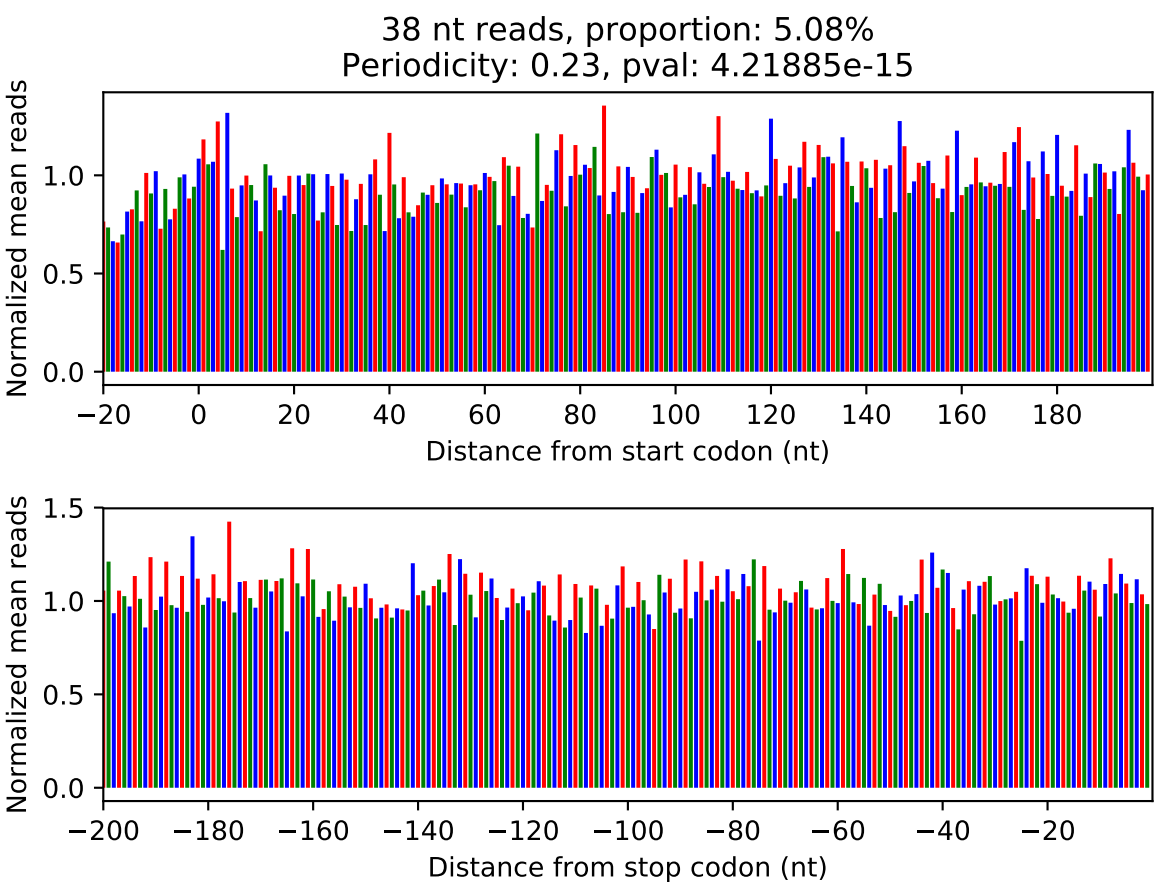

33 nt reads, proportion: 4.05%
Periodicity: 0.19, pval: 4.21885e-15
Normalized mean reads
1.5
1.0
0.5
0.0
−20
0
20
40
60
80
100
120
140
160
180
Distance from start codon (nt)
Normalized mean reads
1.0
0.5
0.0
−200
−180
−160
−140
−120
−100
−80
−60
−40
−20
Distance from stop codon (nt)

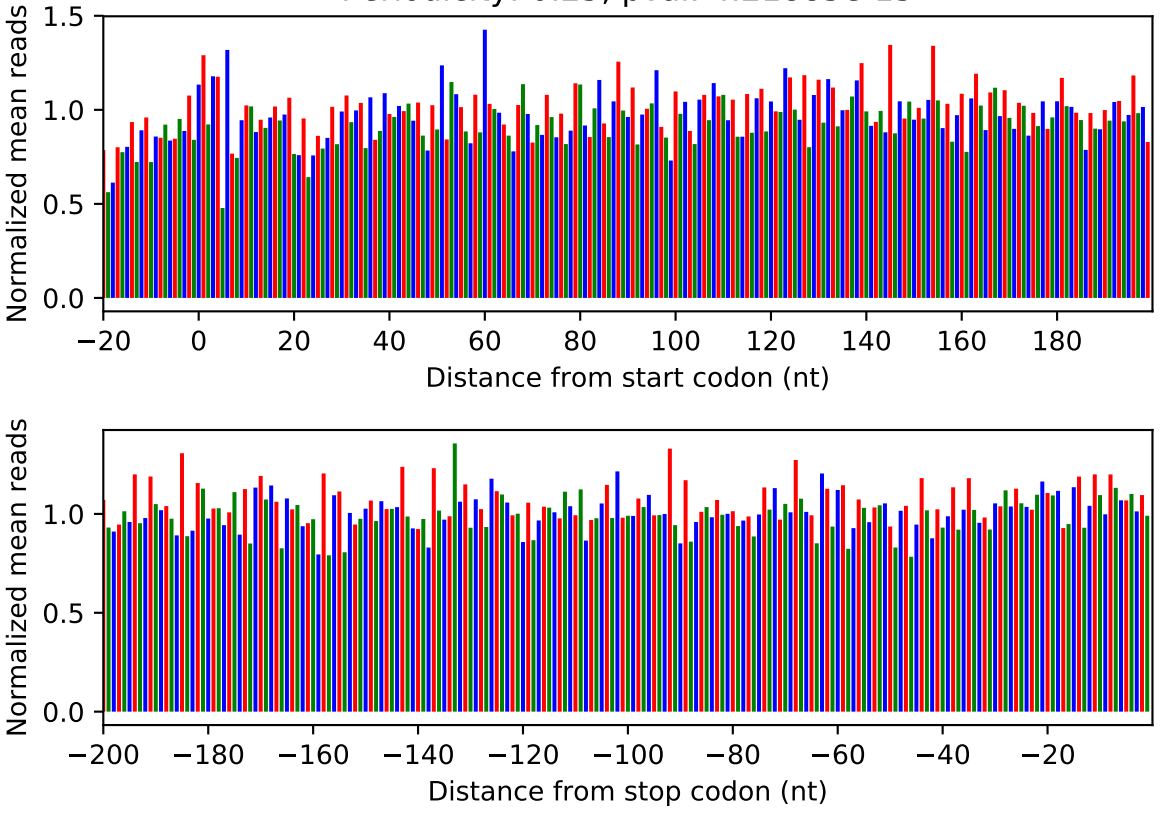

34 nt reads, proportion: 4.24%
Periodicity: 0.54, pval: 4.21885e-15
Normalized mean reads
1.5
1.0
0.5
0.0
−20
0
20
40
60
80
100
120
140
160
180
Distance from start codon (nt)
Normalized mean reads
1.5
1.0
0.5
0.0
−200
−180
−160
−140
−120
−100
−80
−60
−40
−20
Distance from stop codon (nt)

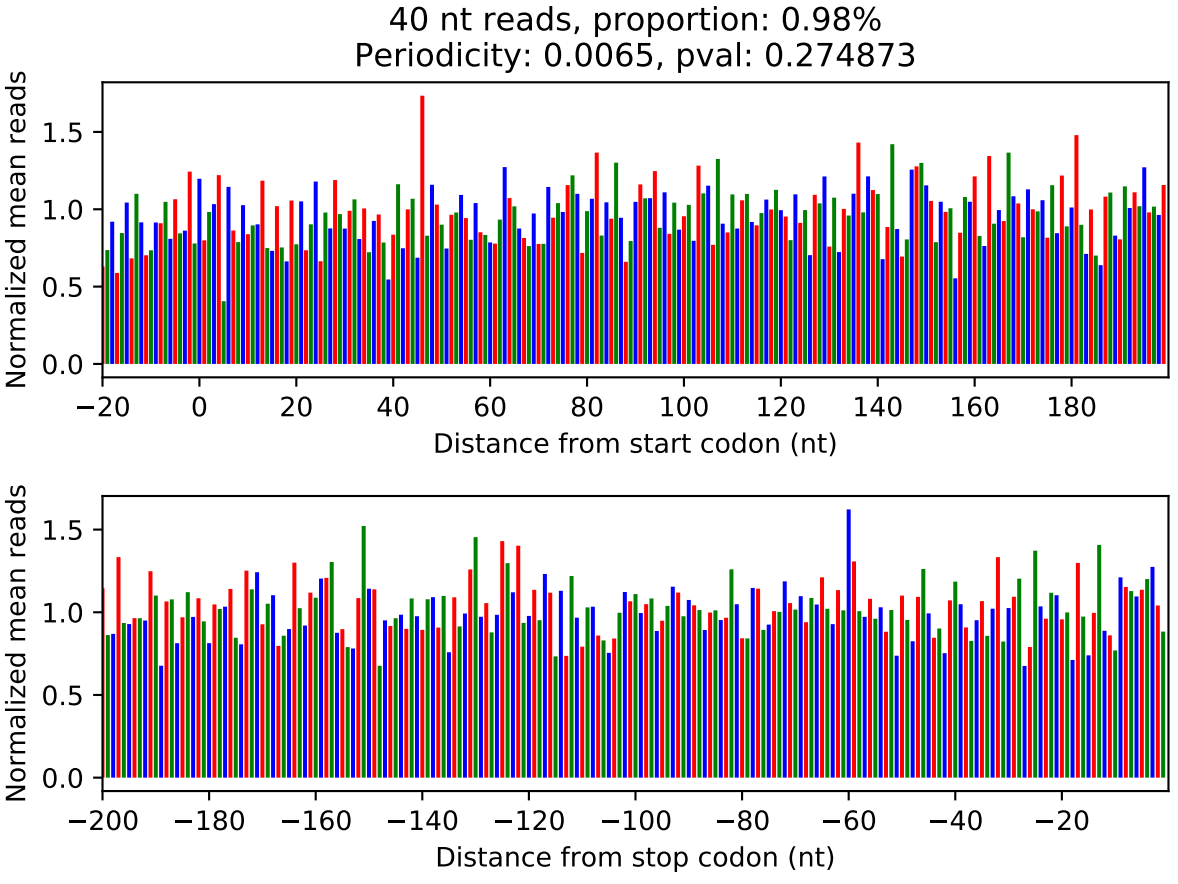

35 nt reads, proportion: 4.42%
Periodicity: 0.15, pval: 7.80487e-14
Normalized mean reads
0.0
0.5
1.0
−20
0
20
40
60
80
100
120
140
160
180
Distance from start codon (nt)
Normalized mean reads
0.0
0.5
1.0
1.5
−200
−180
−160
−140
−120
−100
−80
−60
−40
−20
Distance from stop codon (nt)

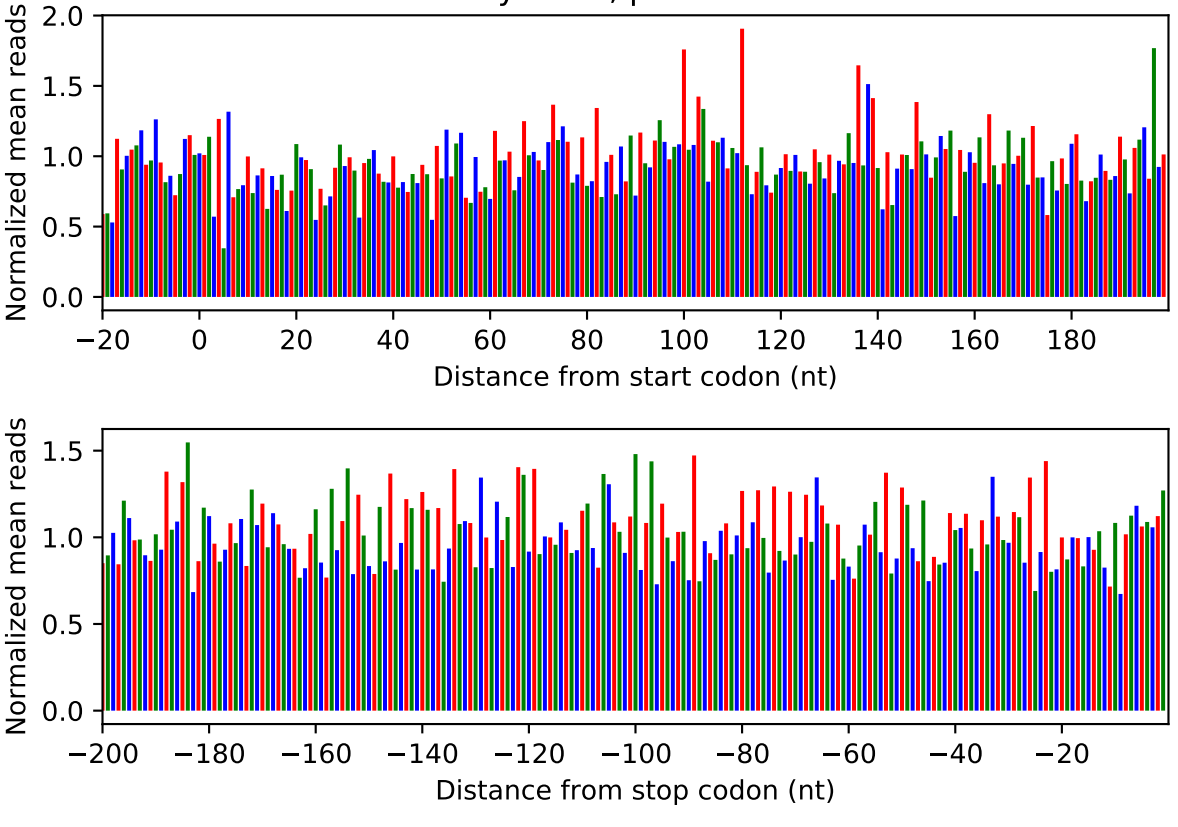

36 nt reads, proportion: 4.71%
Periodicity: 0.24, pval: 4.21885e-15
Normalized mean reads
1.5
1.0
0.5
0.0
−20
0
20
40
60
80
100
120
140
160
180
Distance from start codon (nt)
Normalized mean reads
1.0
0.5
0.0
−200
−180
−160
−140
−120
−100
−80
−60
−40
−20
Distance from stop codon (nt)

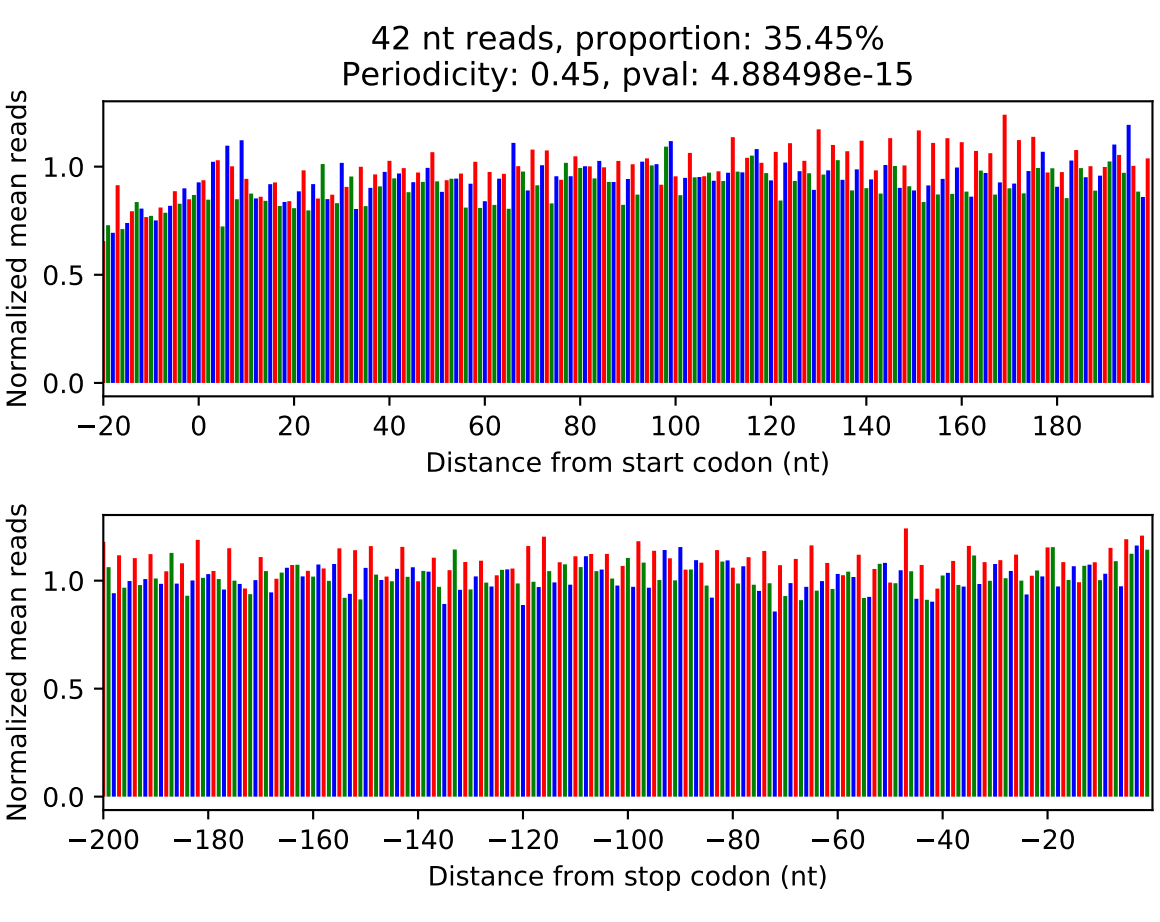

37 nt reads, proportion: 4.81%
Periodicity: 0.4, pval: 4.88498e-15
Normalized mean reads
0.0
0.5
1.0
1.5
−20
0
20
40
60
80
100
120
140
160
180
Distance from start codon (nt)
Normalized mean reads
0.0
0.5
1.0
−200
−180
−160
−140
−120
−100
−80
−60
−40
−20
Distance from stop codon (nt)


38 nt reads, proportion: 5.08%
Periodicity: 0.23, pval: 4.21885e-15
Normalized mean reads
0.0
0.5
1.0
−20
0
20
40
60
80
100
120
140
160
180
Distance from start codon (nt)
Normalized mean reads
0.0
0.5
1.0
1.5
−200
−180
−160
−140
−120
−100
−80
−60
−40
−20
Distance from stop codon (nt)


39 nt reads, proportion: 5.44%
Periodicity: 0.25, pval: 4.21885e-15
Normalized mean reads
1.5
1.0
0.5
0.0
−20
0
20
40
60
80
100
120
140
160
180
Distance from start codon (nt)
Normalized mean reads
1.0
0.5
0.0
−200
−180
−160
−140
−120
−100
−80
−60
−40
−20
Distance from stop codon (nt)


40 nt reads, proportion: 0.98%
Periodicity: 0.0065, pval: 0.274873
Normalized mean reads
0.0
0.5
1.0
1.5
−20
0
20
40
60
80
100
120
140
160
180
Distance from start codon (nt)
Normalized mean reads
0.0
0.5
1.0
1.5
−200
−180
−160
−140
−120
−100
−80
−60
−40
−20
Distance from stop codon (nt)


41 nt reads, proportion: 1.06%
Periodicity: 0.12, pval: 9.87359e-11
Normalized mean reads
2.0
1.5
1.0
0.5
0.0
−20
0
20
40
60
80
100
120
140
160
180
Distance from start codon (nt)
Normalized mean reads
1.5
1.0
0.5
0.0
−200
−180
−160
−140
−120
−100
−80
−60
−40
−20
Distance from stop codon (nt)


42 nt reads, proportion: 35.45%
Periodicity: 0.45, pval: 4.88498e-15
Normalized mean reads
1.0
0.5
0.0
−20
0
20
40
60
80
100
120
140
160
180
Distance from start codon (nt)
Normalized mean reads
1.0
0.5
0.0
−200
−180
−160
−140
−120
−100
−80
−60
−40
−20
Distance from stop codon (nt)