33 nt reads, proportion: 1.55%
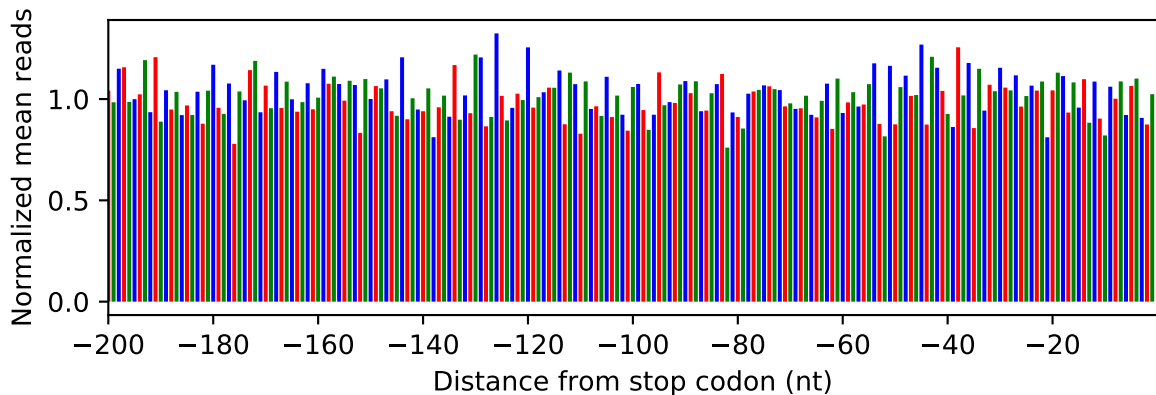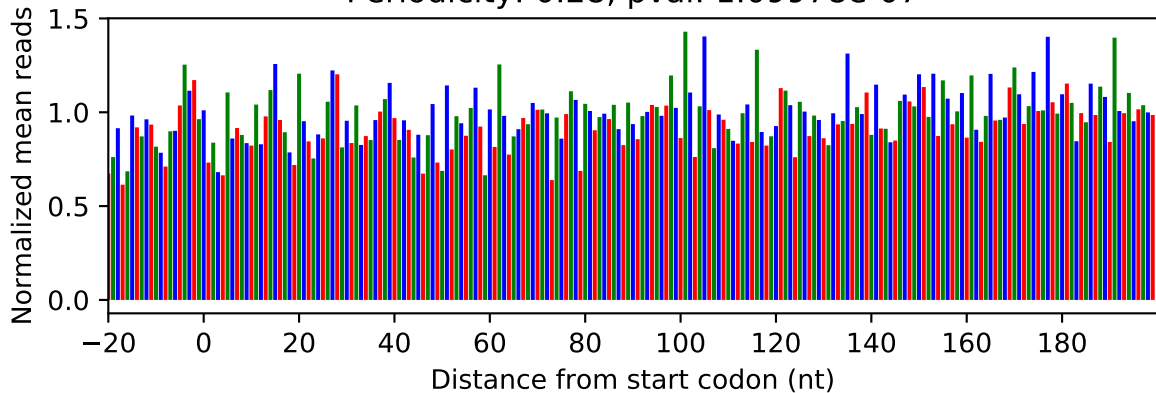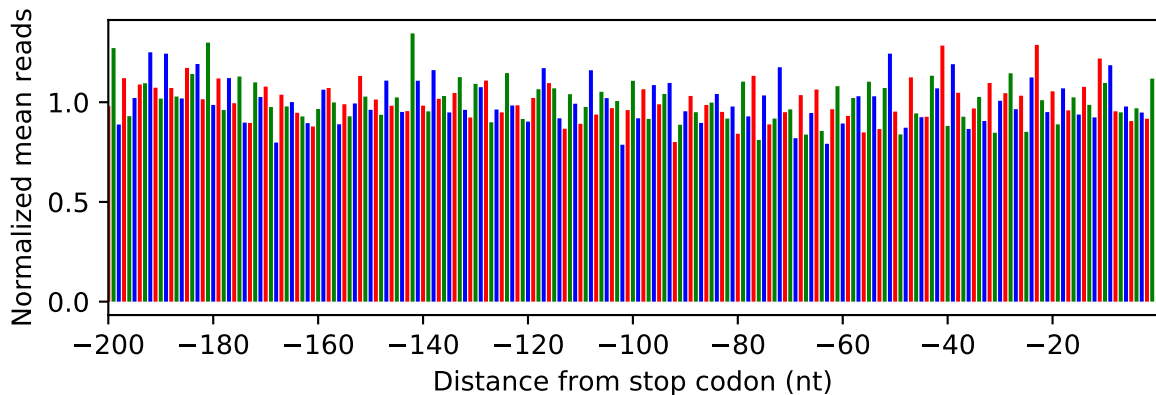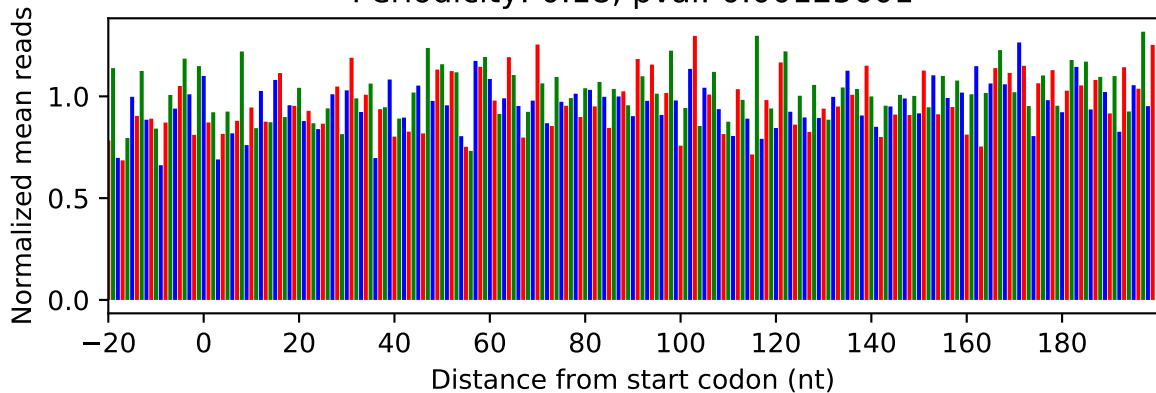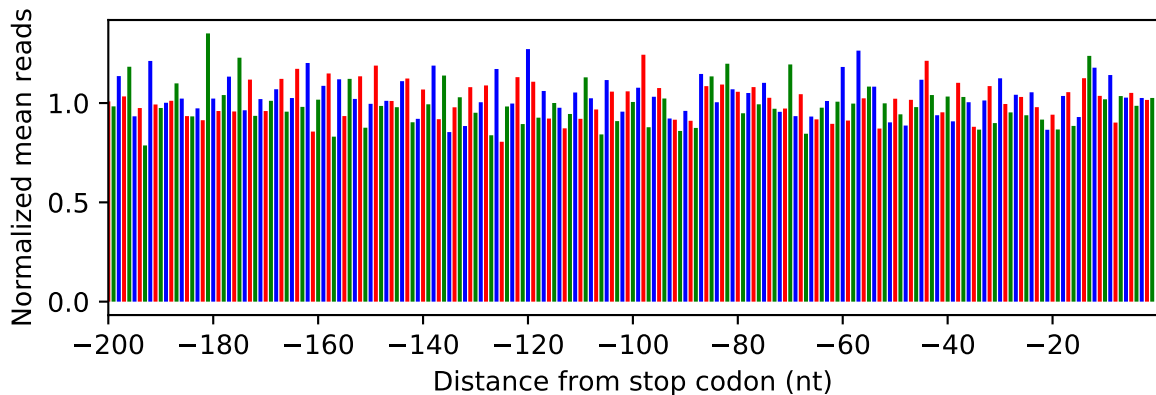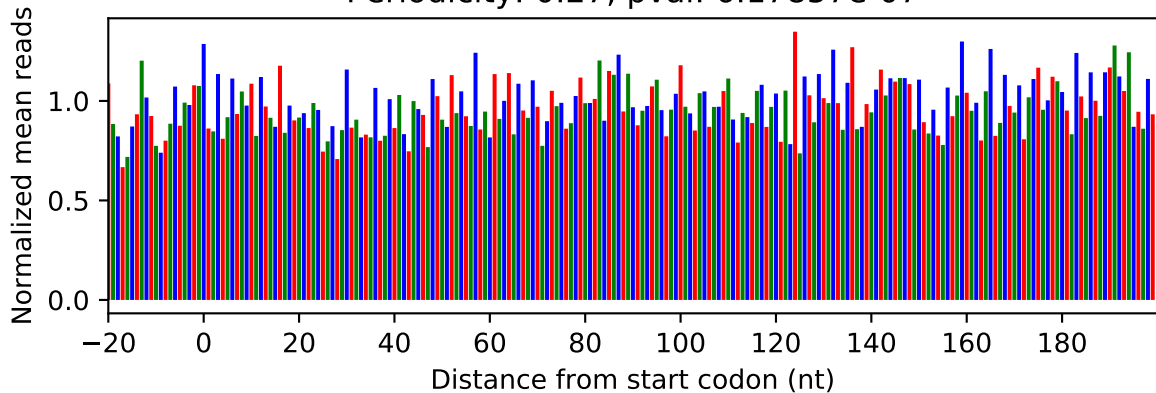**Periodicity: 0.26, pval: 1.79477e-06**
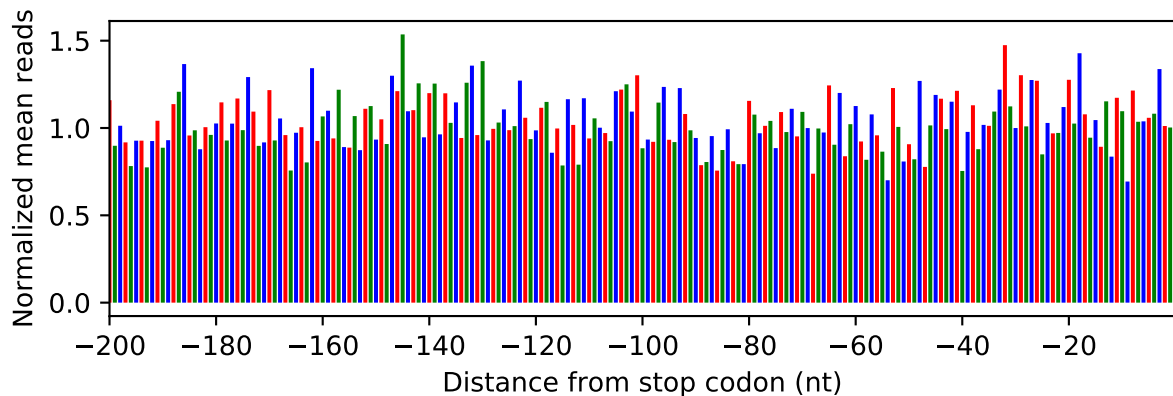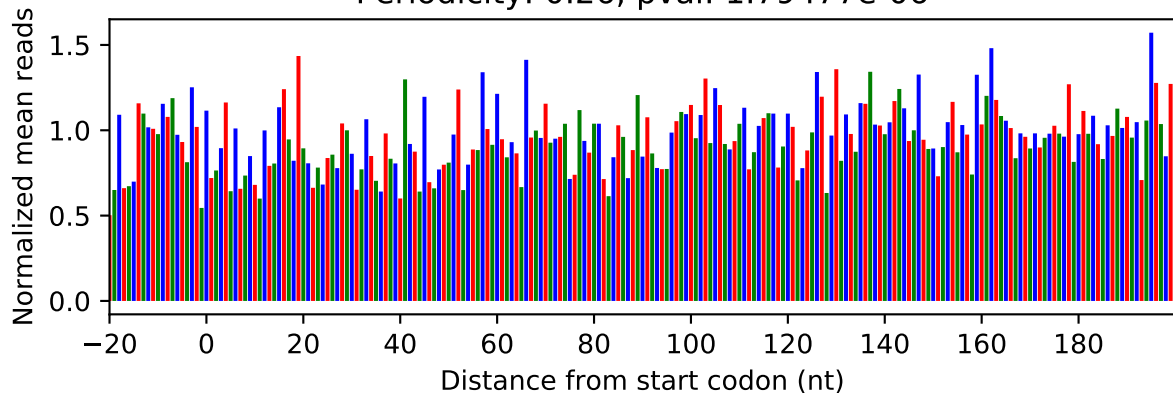
34 nt reads, proportion: 3.67%
Periodicity: 0.28, pval: 1.09978e-07

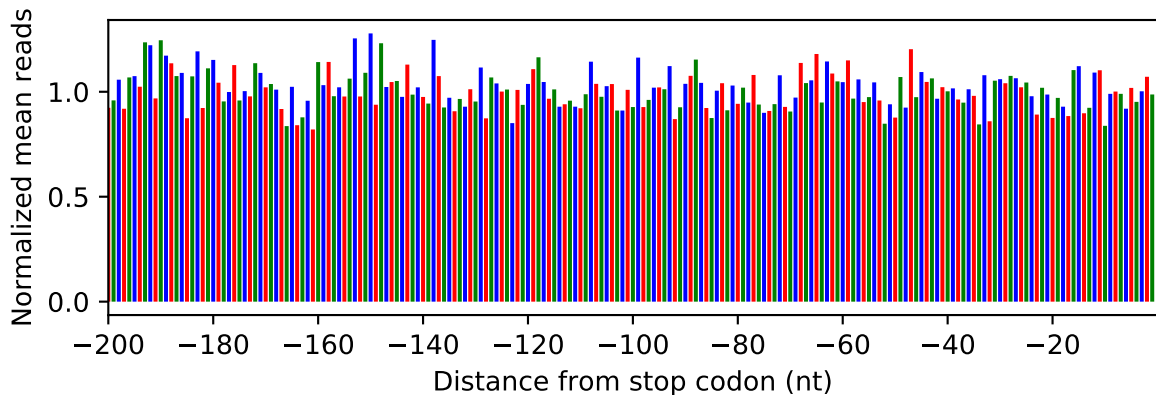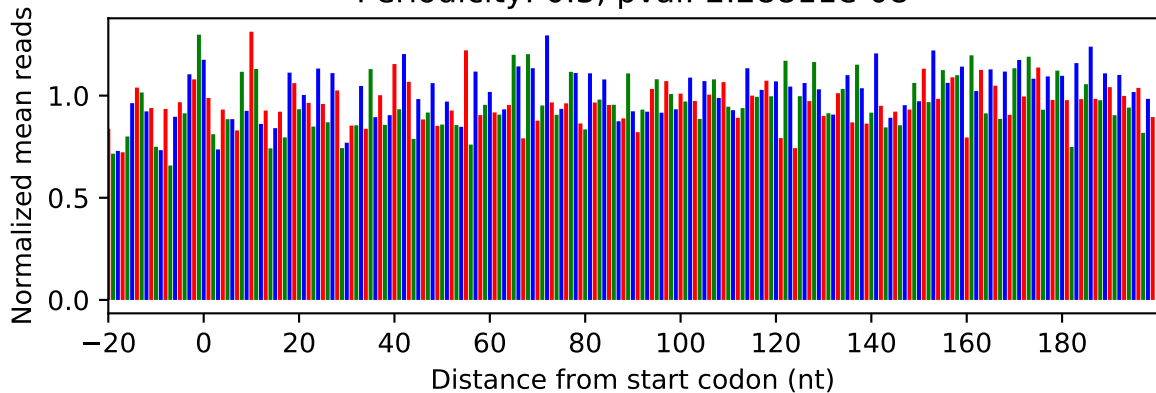**35 nt reads, proportion: 5.47%**
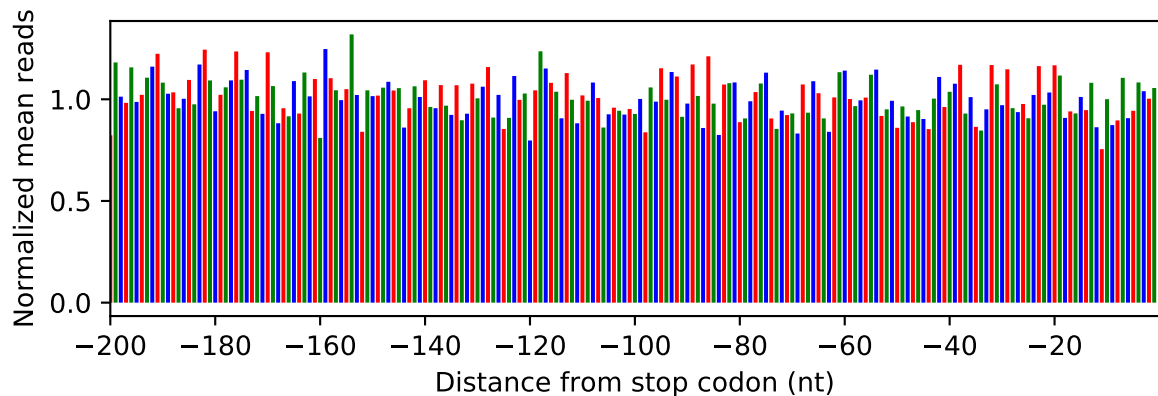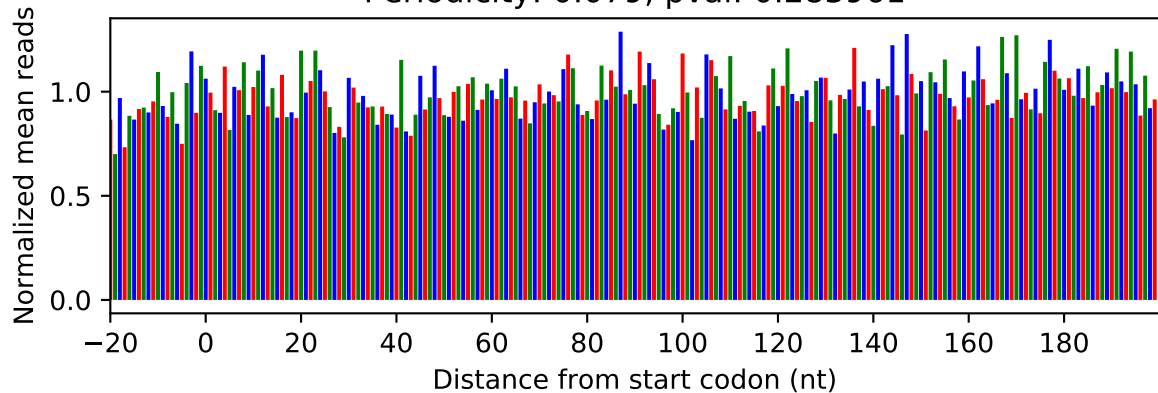**Periodicity: 0.18, pval: 0.00125601**

36 nt reads, proportion: 6.23%
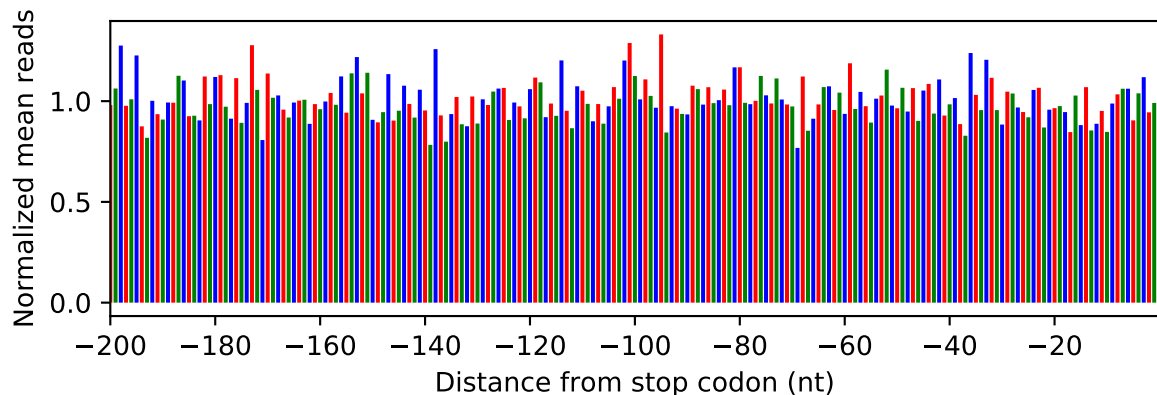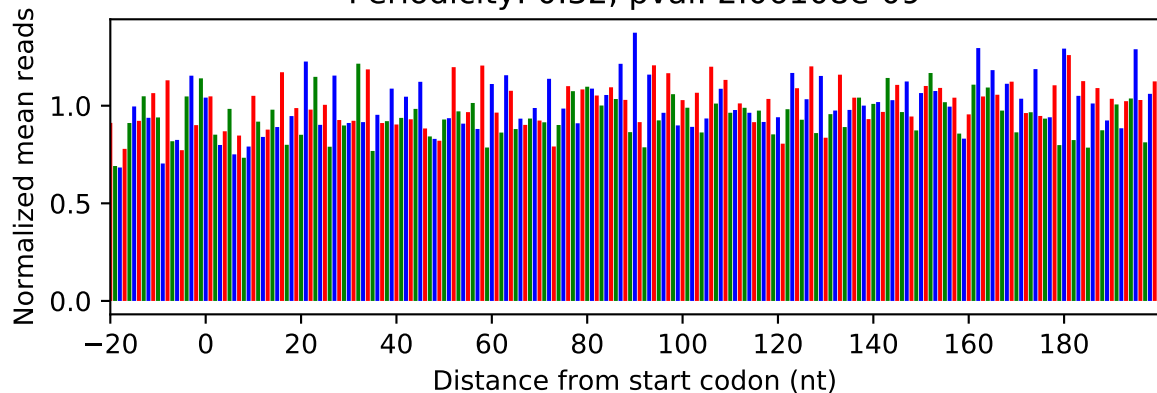Periodicity: 0.27, pval: 6.17857e-07

37 nt reads, proportion: 6.27%
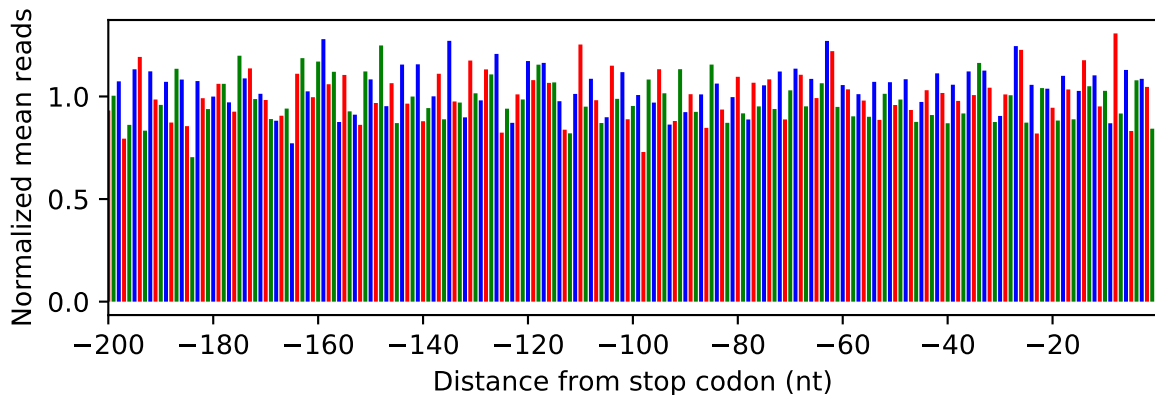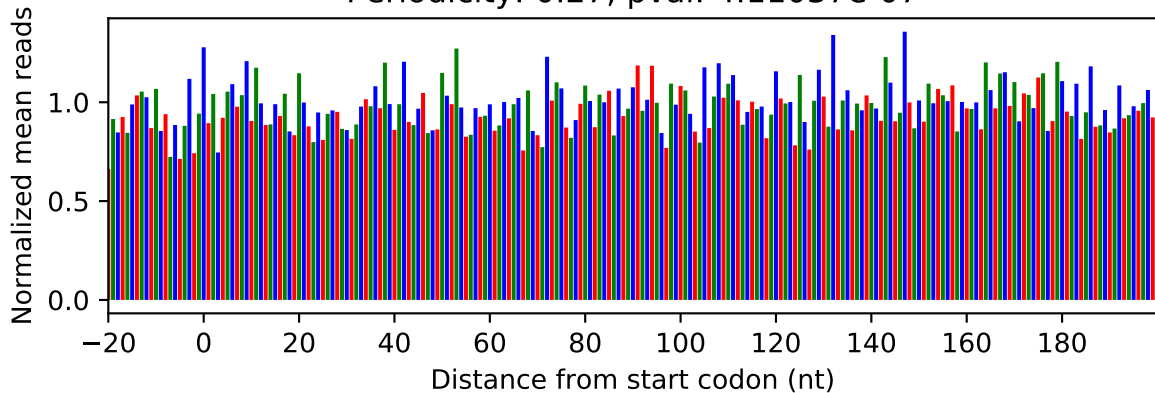Periodicity: 0.3, pval: 2.28811e-08

38 nt reads, proportion: 6.04%
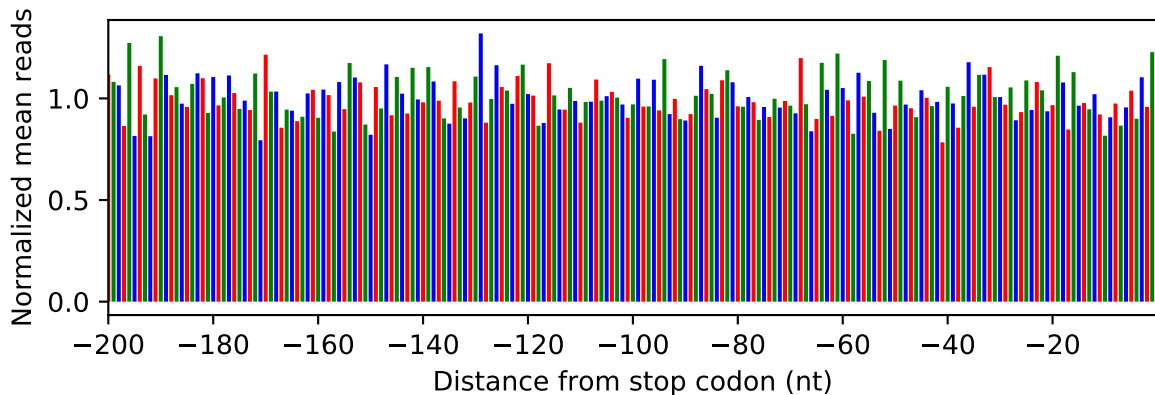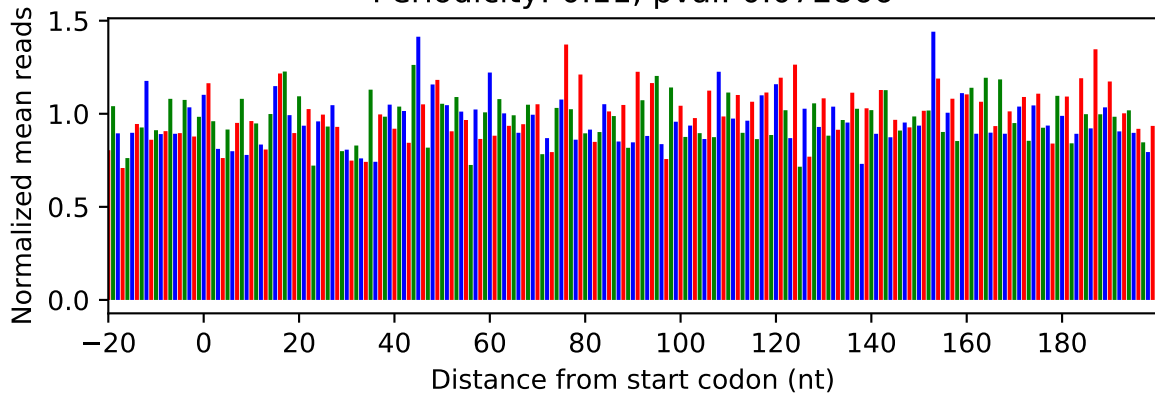Periodicity: 0.079, pval: 0.283961

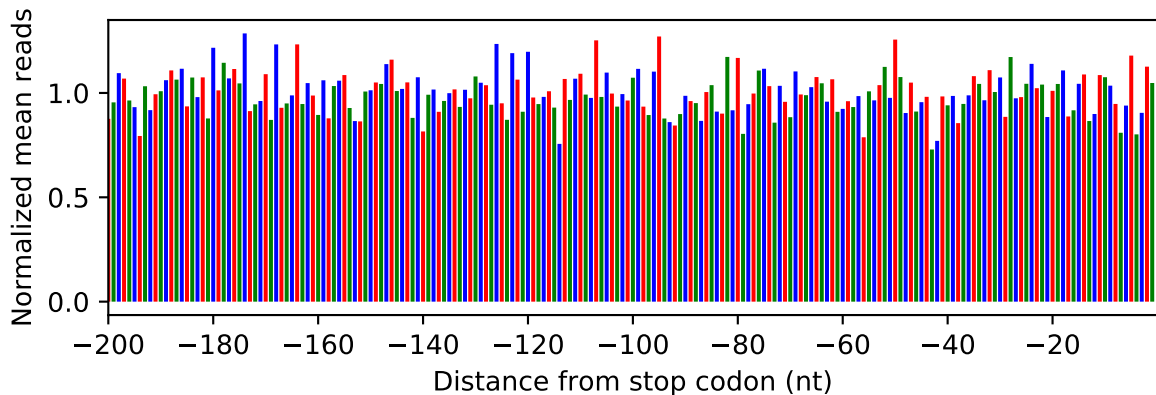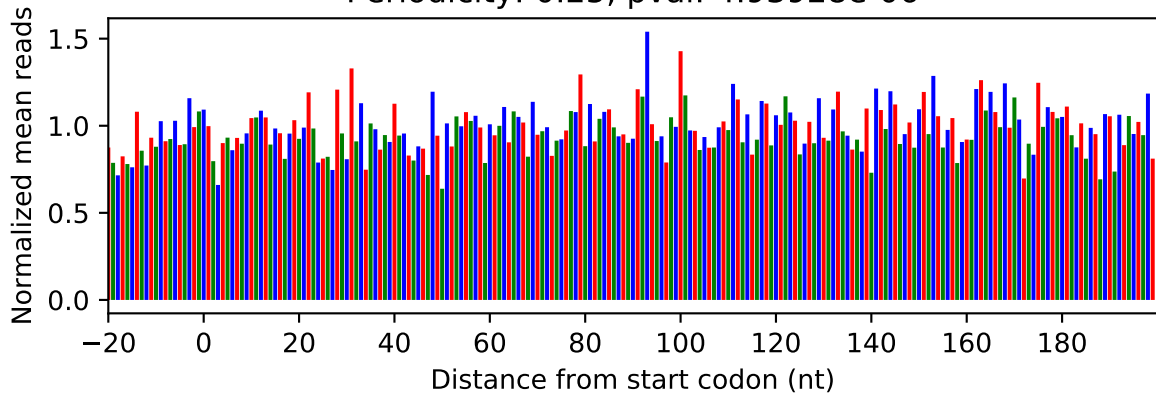39 nt reads, proportion: 5.76%
Periodicity: 0.32, pval: 2.06108e-09

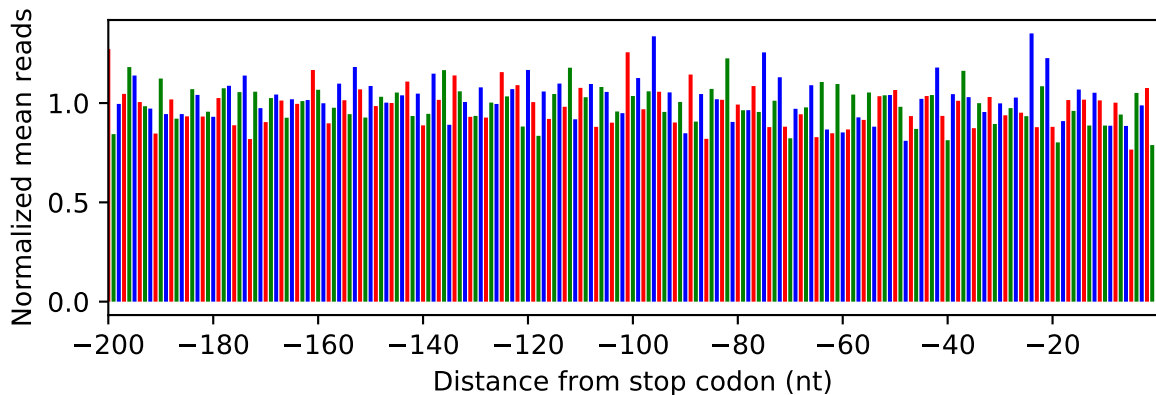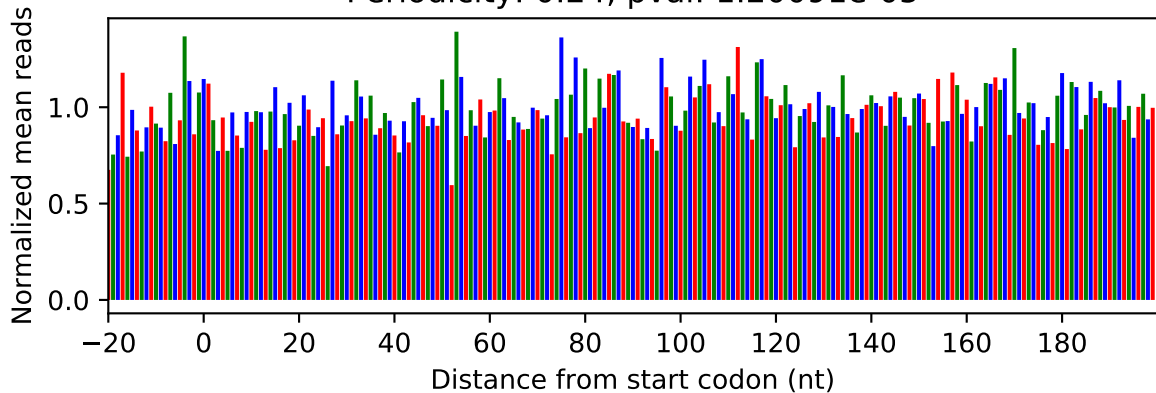40 nt reads, proportion: 5.48%
Periodicity: 0.27, pval: 4.11037e-07

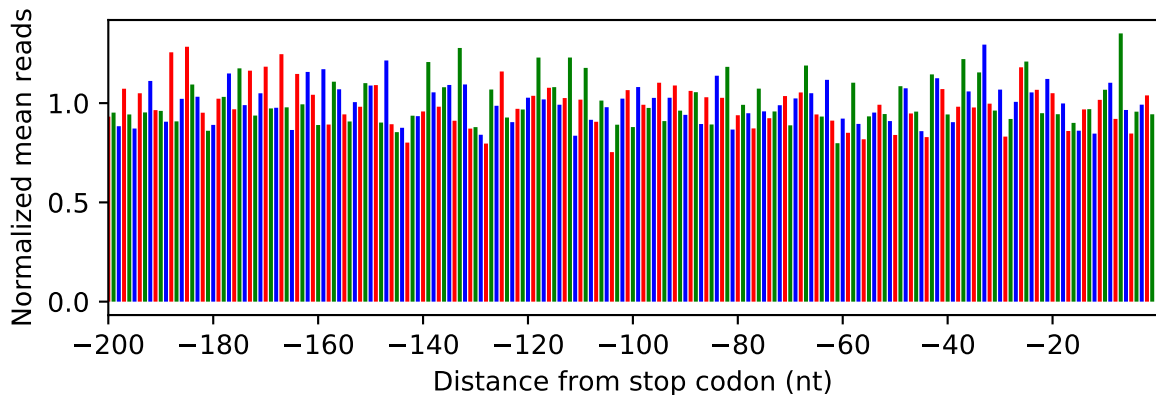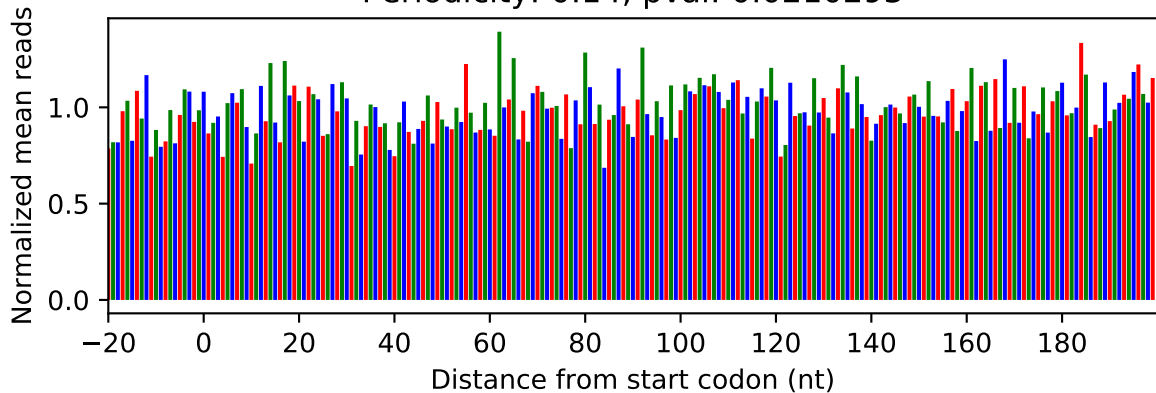41 nt reads, proportion: 5.19%
Periodicity: 0.11, pval: 0.072866

42 nt reads, proportion: 4.93%
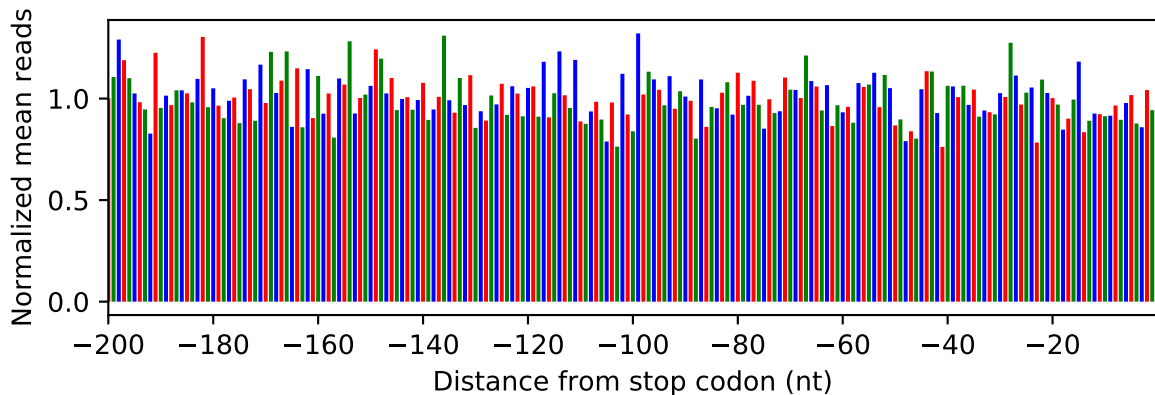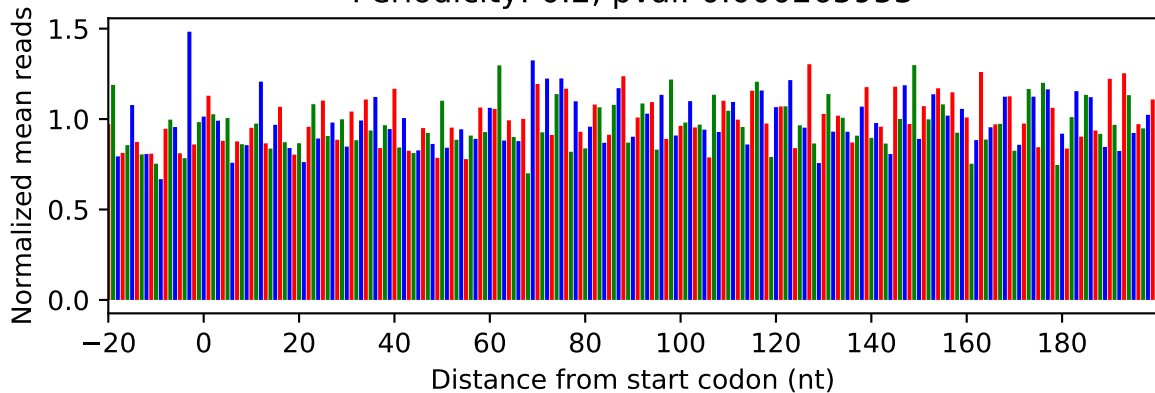Periodicity: 0.25, pval: 4.93928e-06

43 nt reads, proportion: 4.68%
Periodicity: 0.24, pval: 1.20091e-05

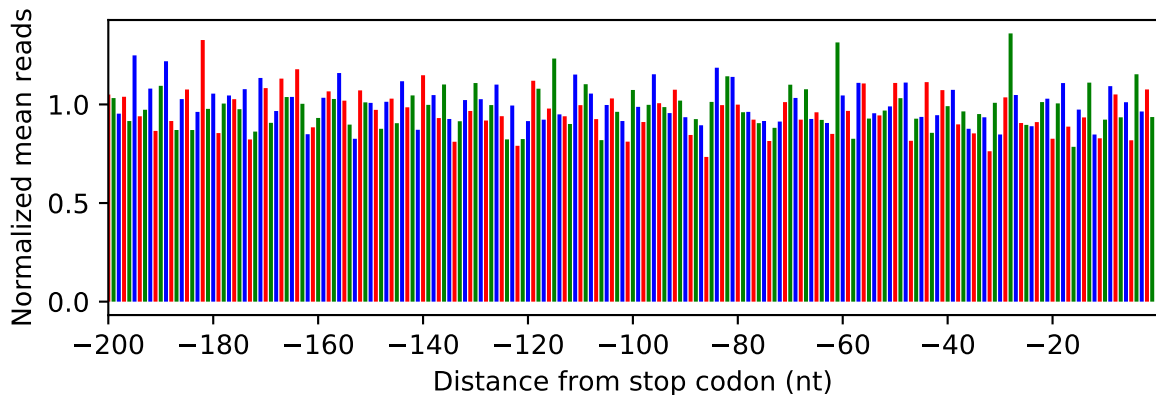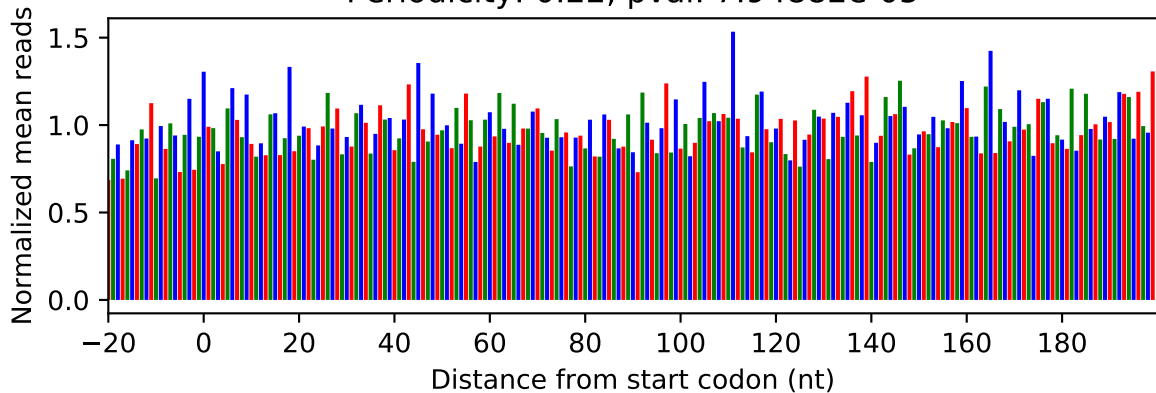**44 nt reads, proportion: 4.45%**
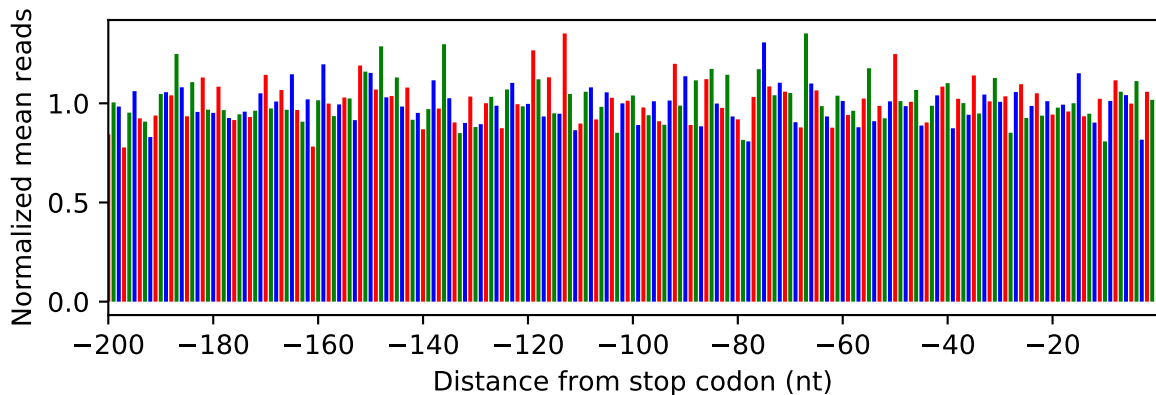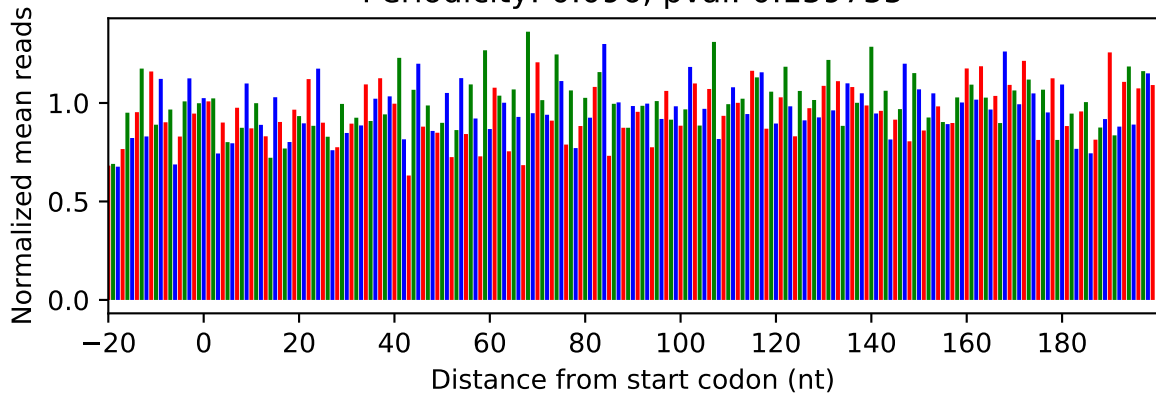**Periodicity: 0.14, pval: 0.0210293**

45 nt reads, proportion: 4.22%
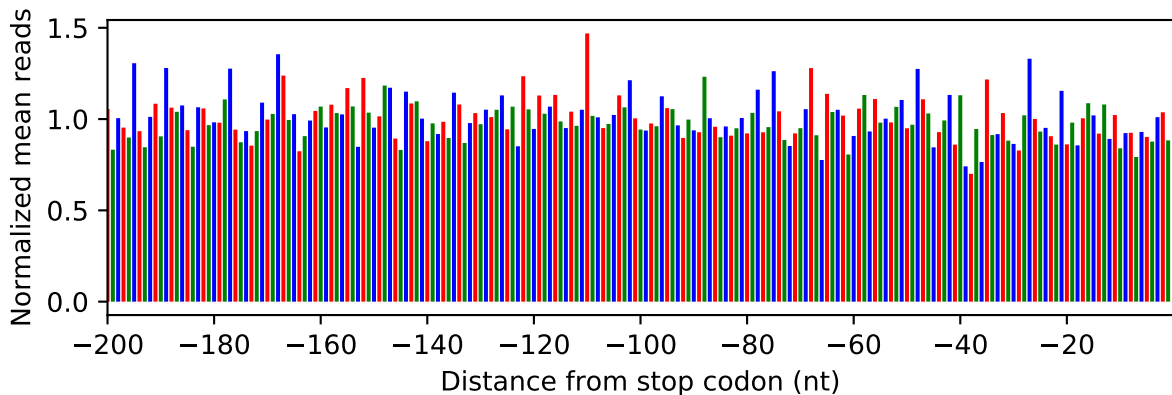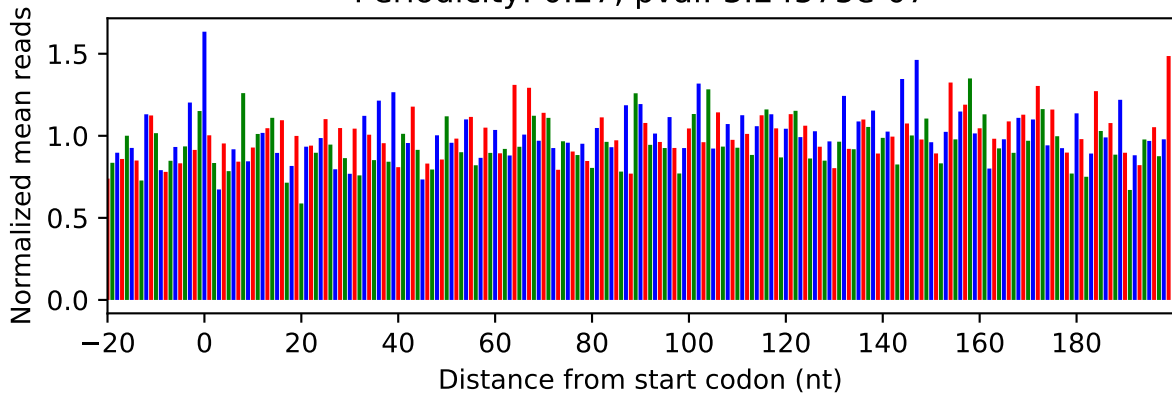Periodicity: 0.2, pval: 0.000265953

46 nt reads, proportion: 3.99%
Periodicity: 0.22, pval: 7.94882e-05

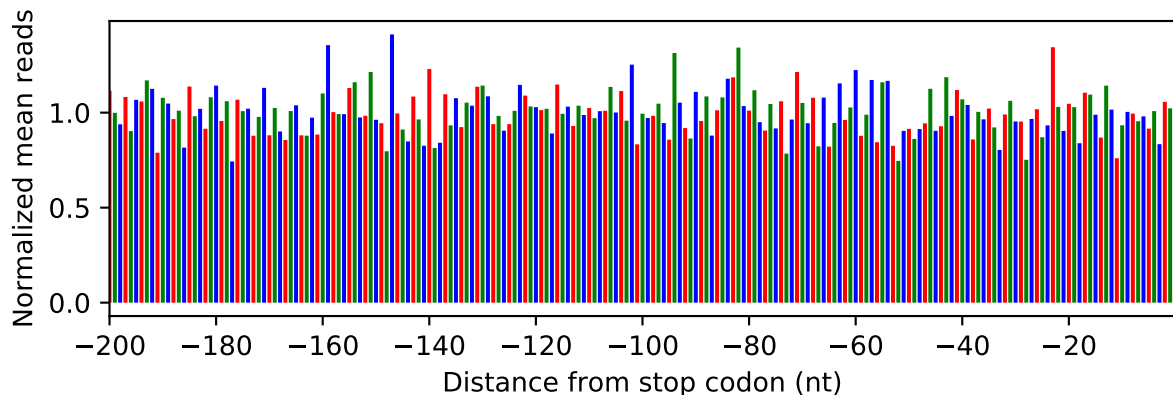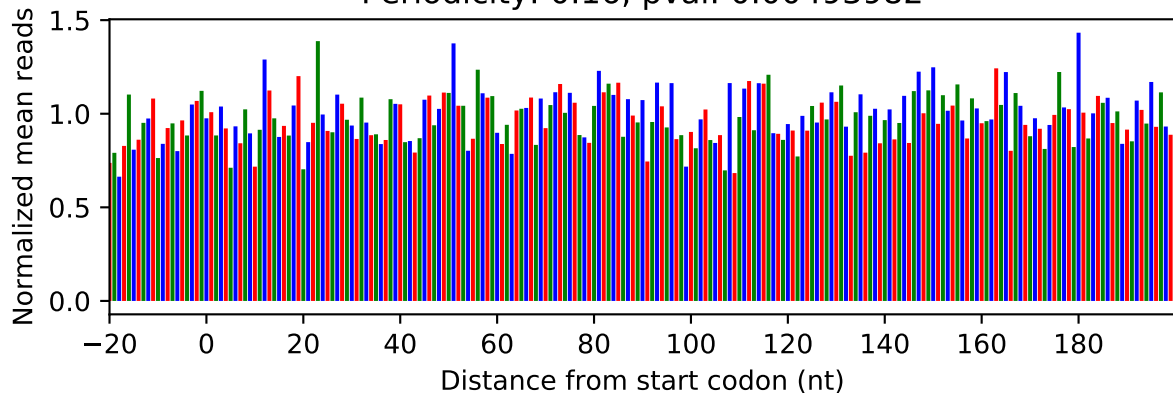**47 nt reads, proportion: 3.79%**
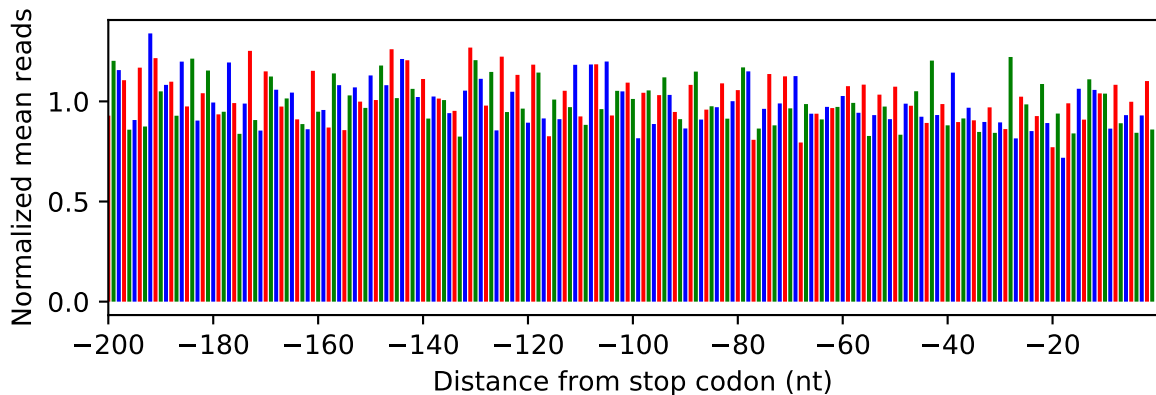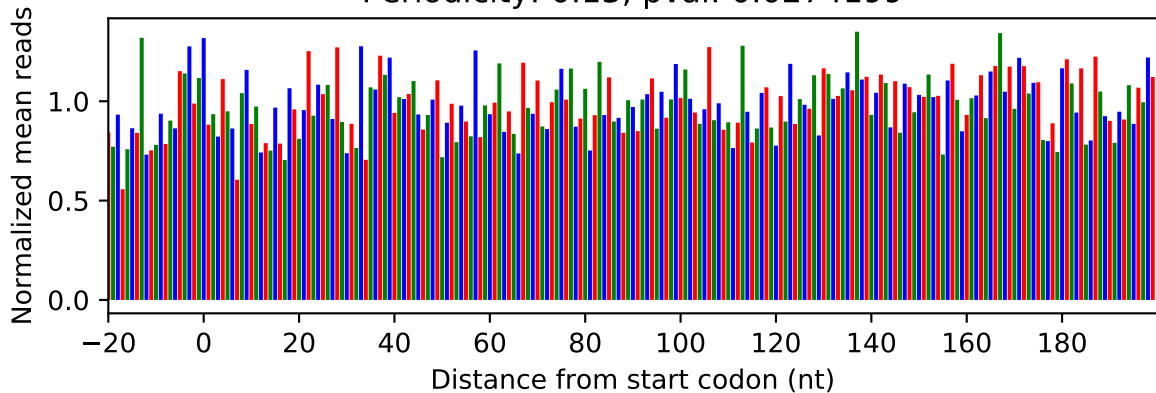**Periodicity: 0.096, pval: 0.159755**

48 nt reads, proportion: 3.60%
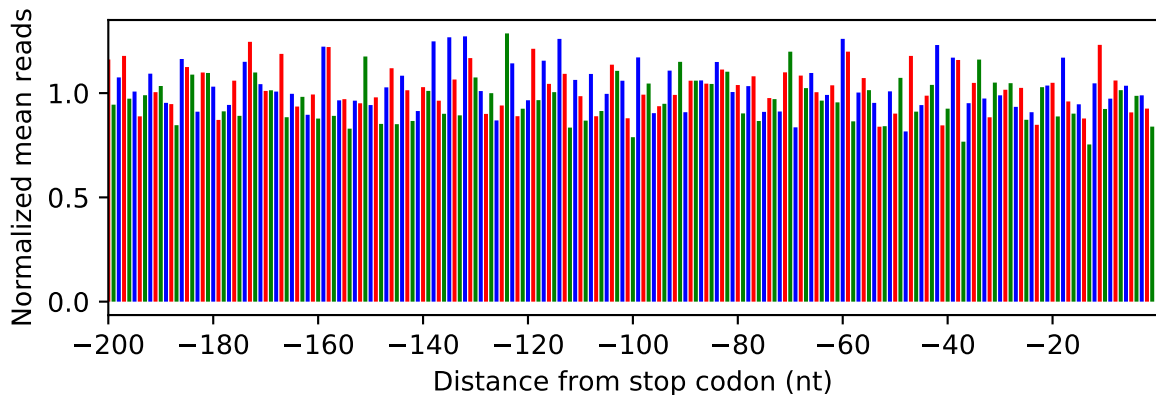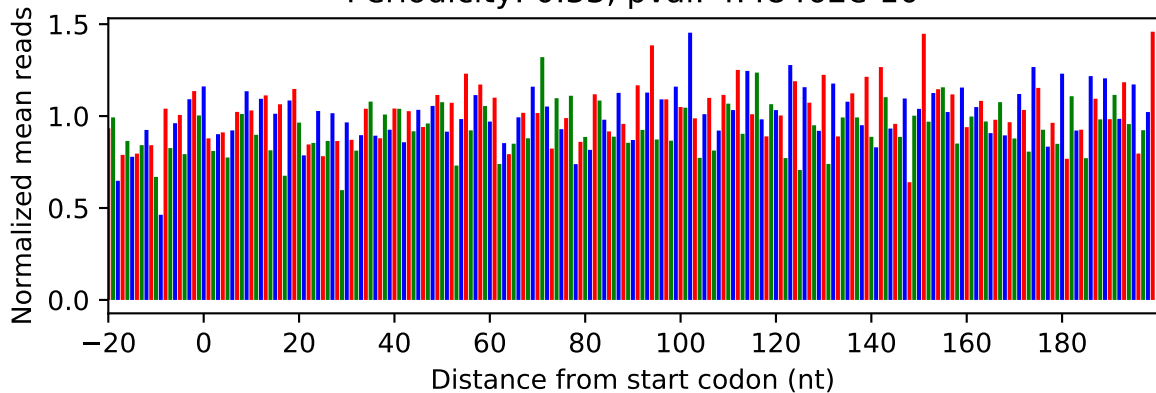Periodicity: 0.27, pval: 3.24575e-07

49 nt reads, proportion: 3.41%
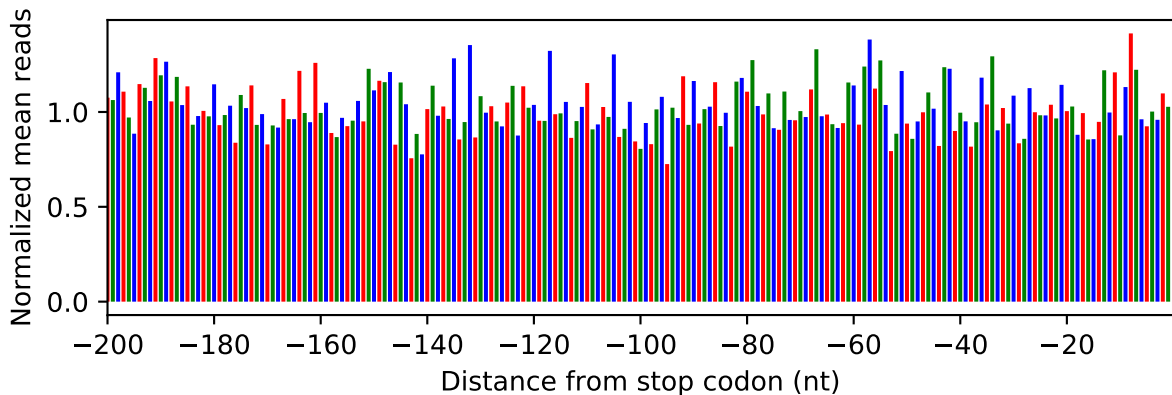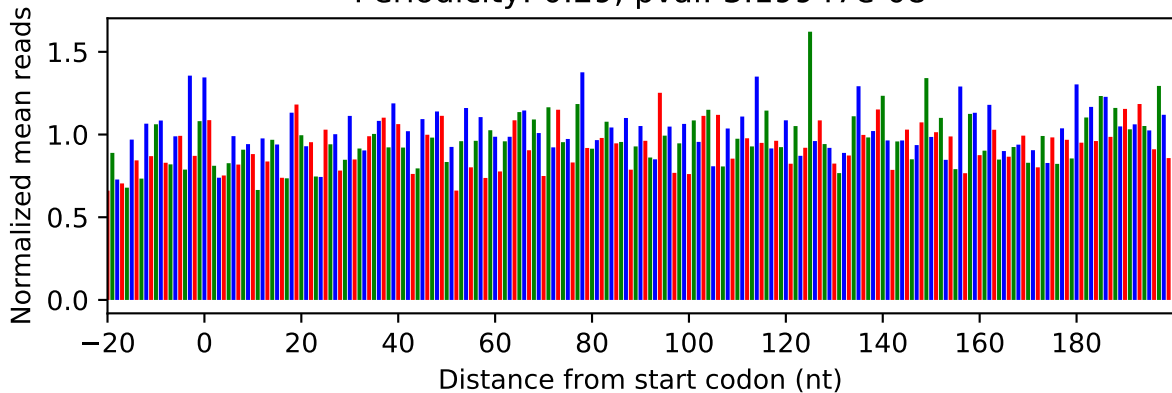**Periodicity: 0.16, pval: 0.00493982**

50 nt reads, proportion: 3.22%
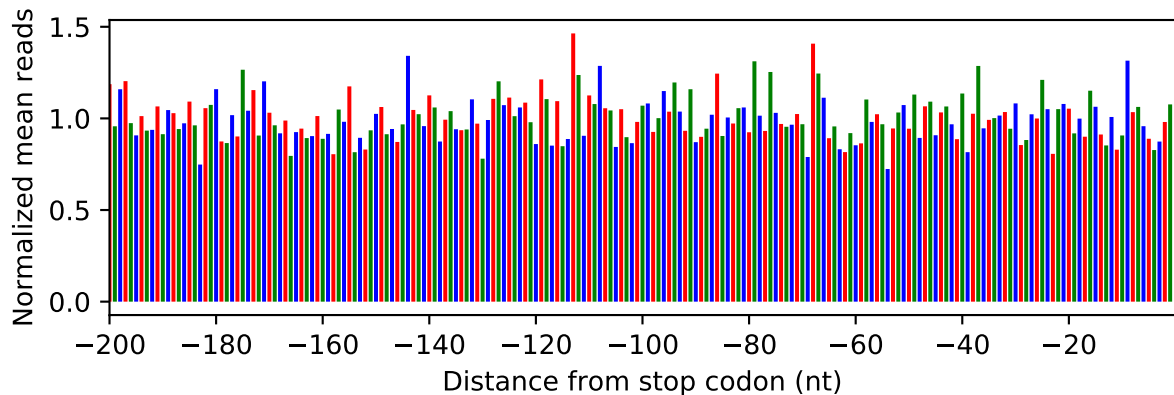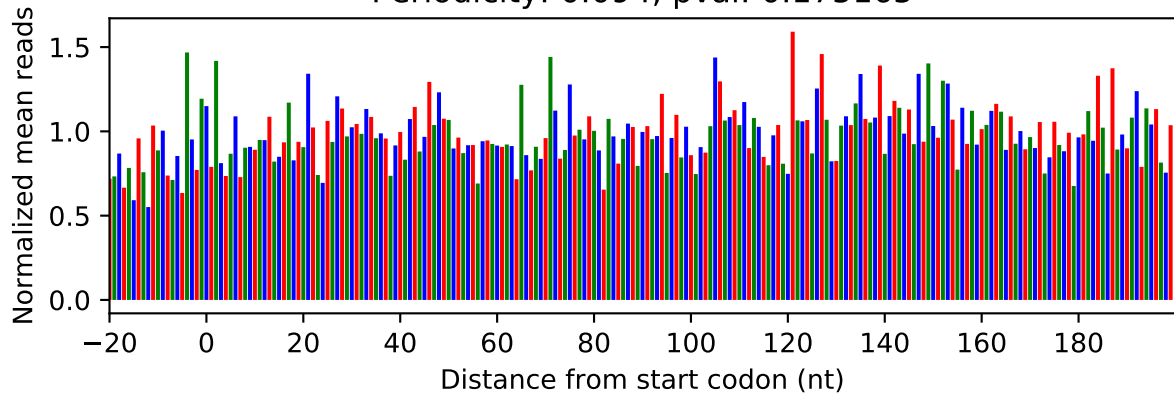Periodicity: 0.13, pval: 0.0274199

51 nt reads, proportion: 3.03%
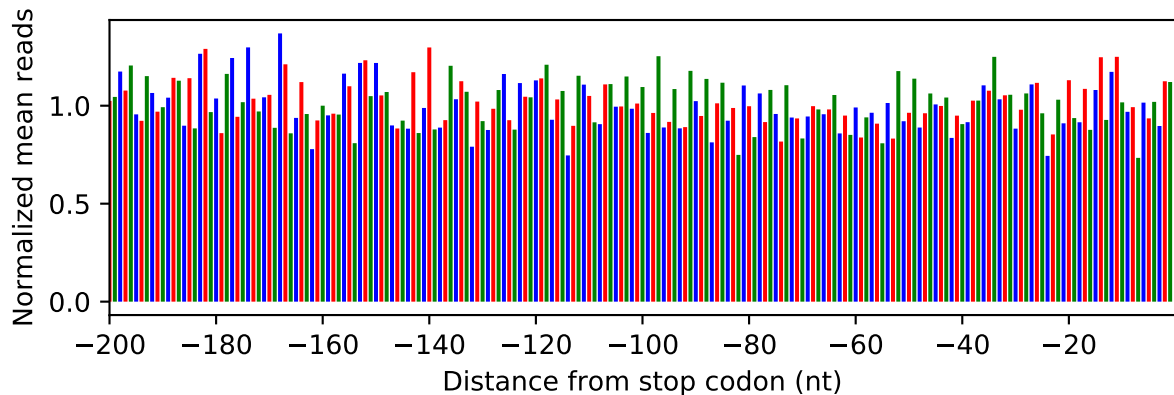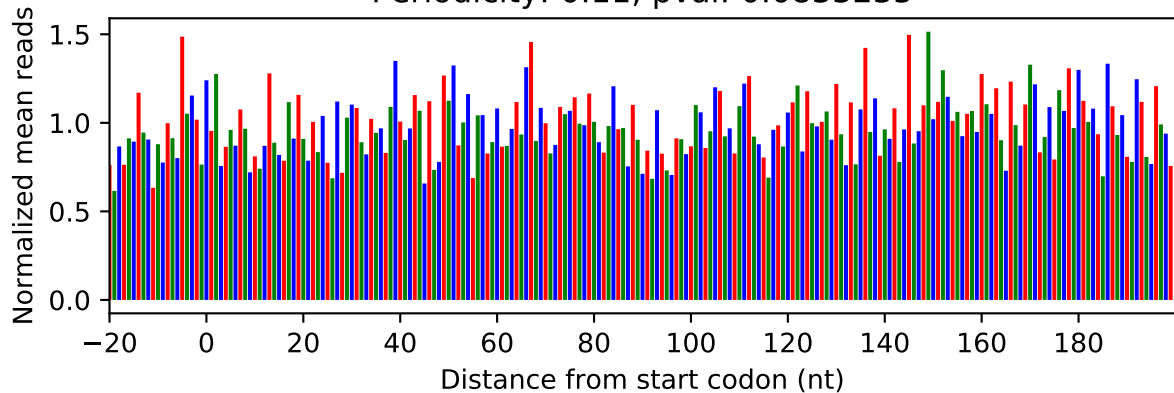Periodicity: 0.33, pval: 4.48462e-10

52 nt reads, proportion: 2.84%
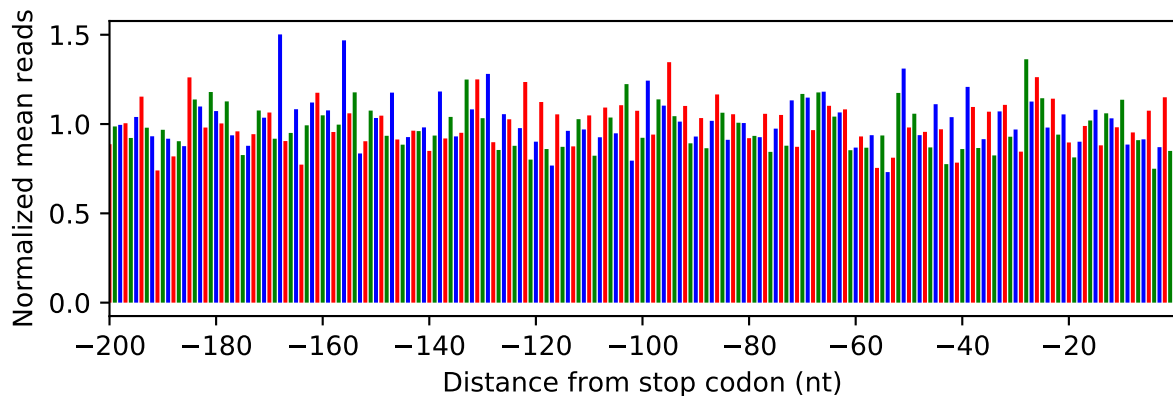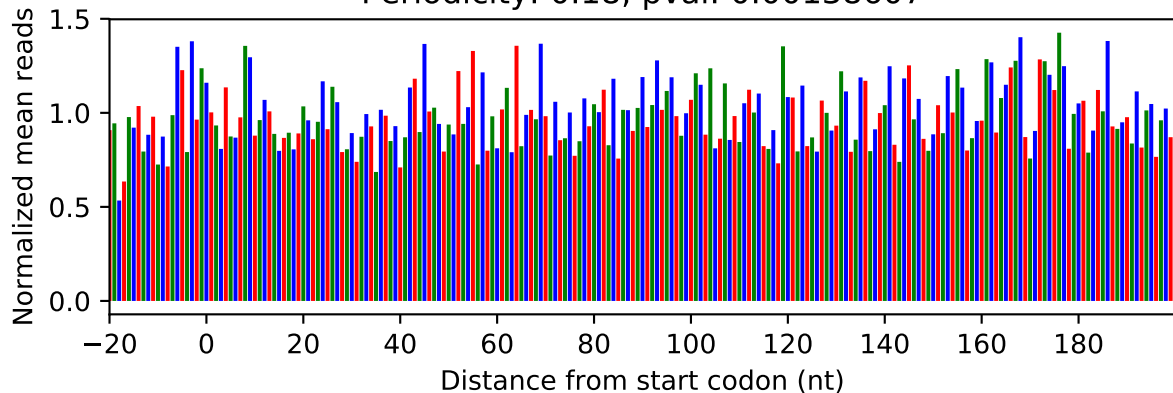Periodicity: 0.29, pval: 3.19947e-08

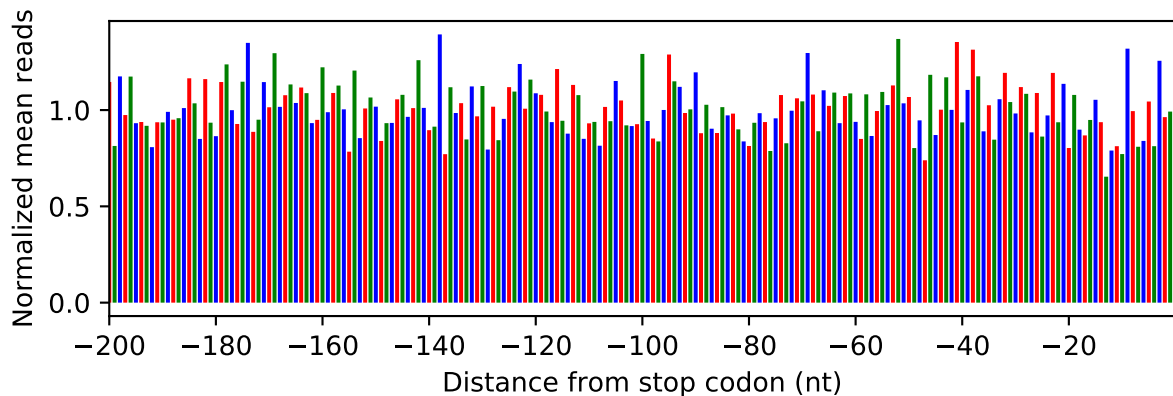53 nt reads, proportion: 2.63%
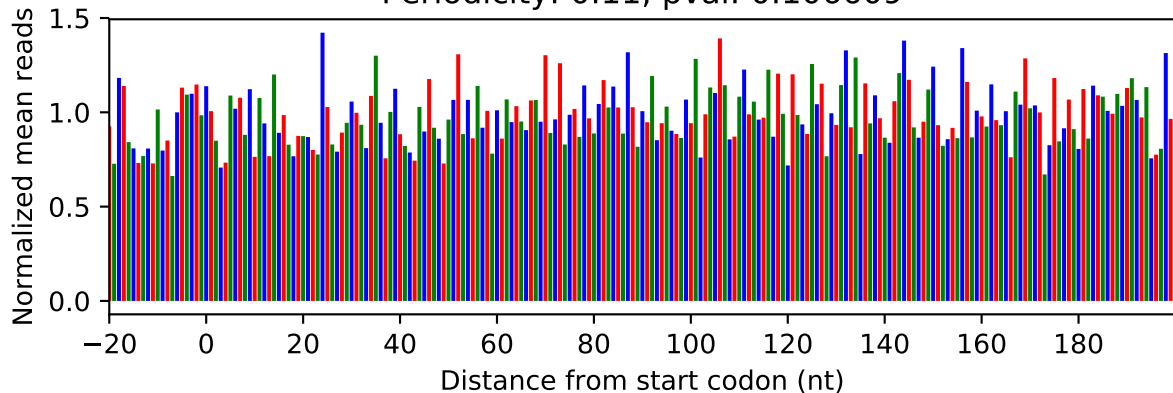Periodicity: 0.094, pval: 0.175165

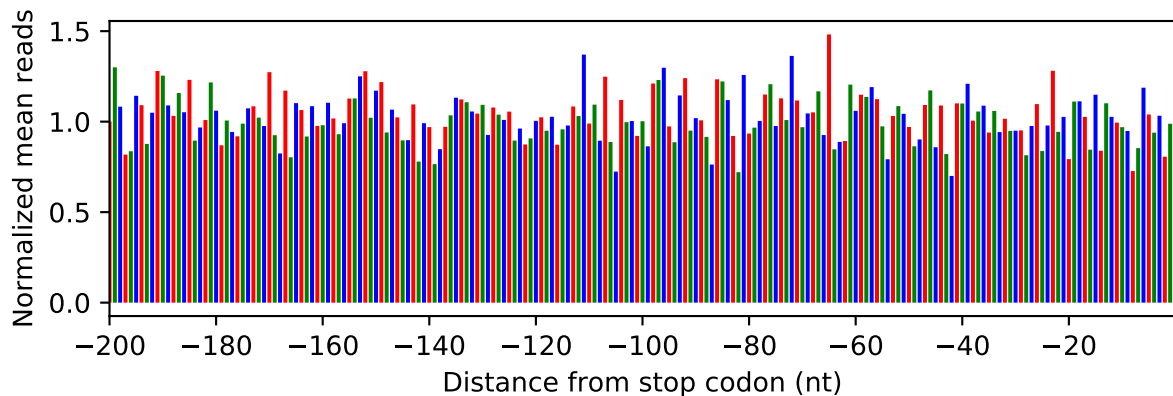**54 nt reads, proportion: 2.44%**
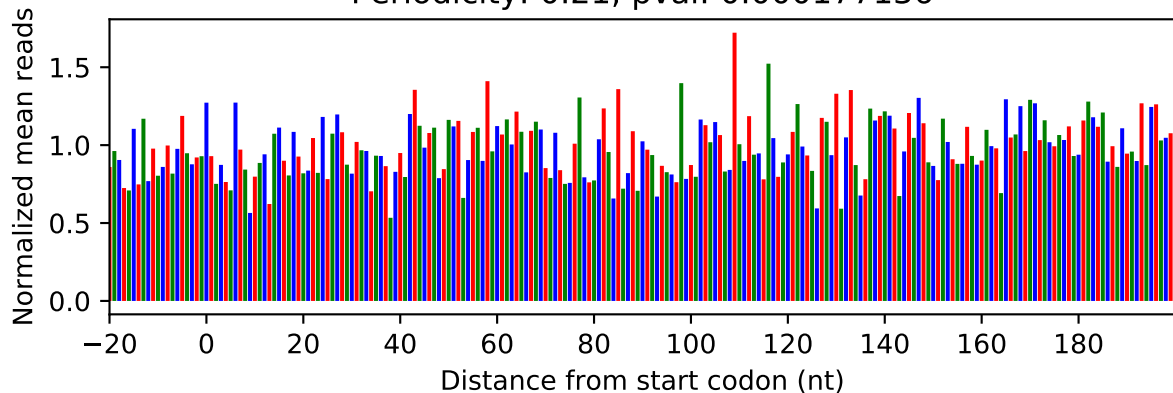**Periodicity: 0.11, pval: 0.0833235**

55 nt reads, proportion: 2.28%
Periodicity: 0.18, pval: 0.00138607

56 nt reads, proportion: 2.07%
Periodicity: 0.11, pval: 0.106609

57 nt reads, proportion: 1.69%
Periodicity: 0.21, pval: 0.000177136

58 nt reads, proportion: 1.05%
Periodicity: 0.22, pval: 5.13901e-05