31 nt reads, proportion: 0.34%
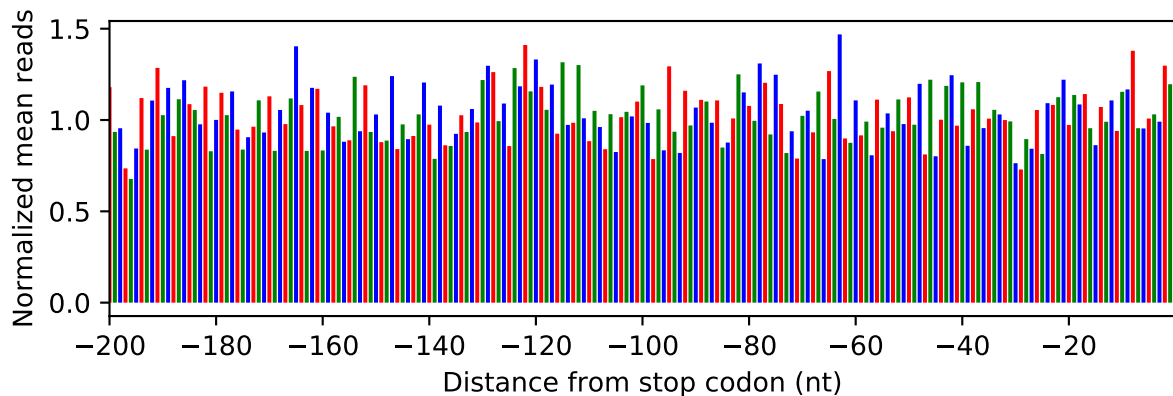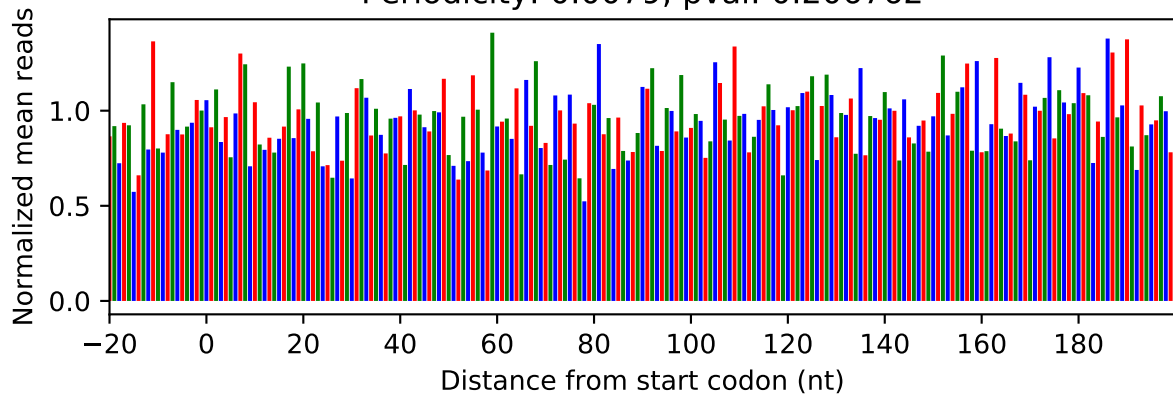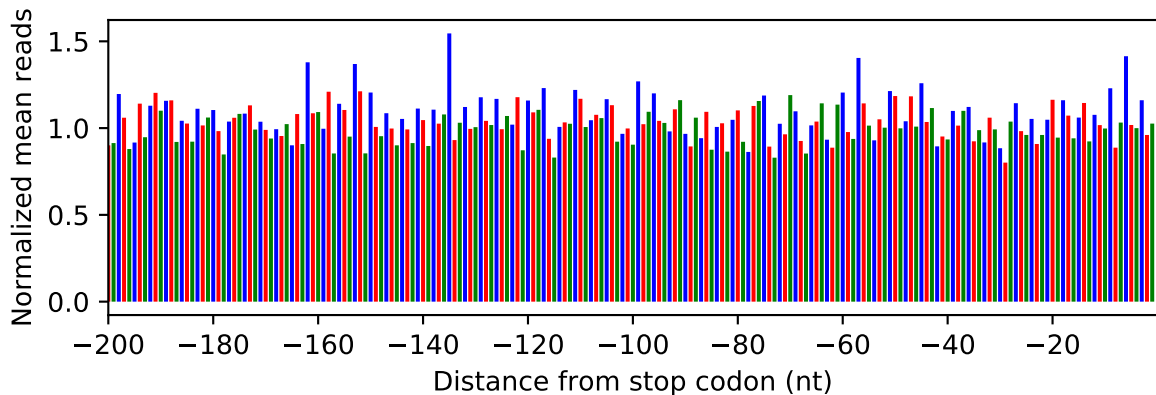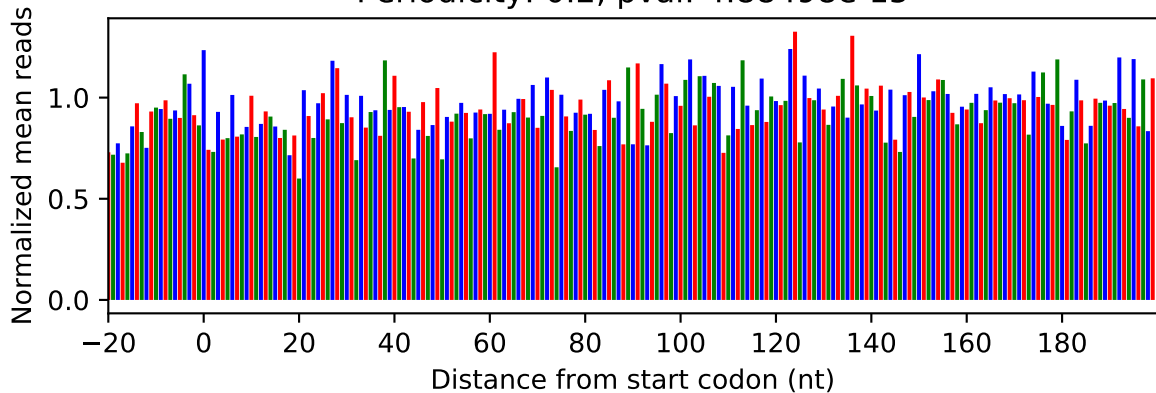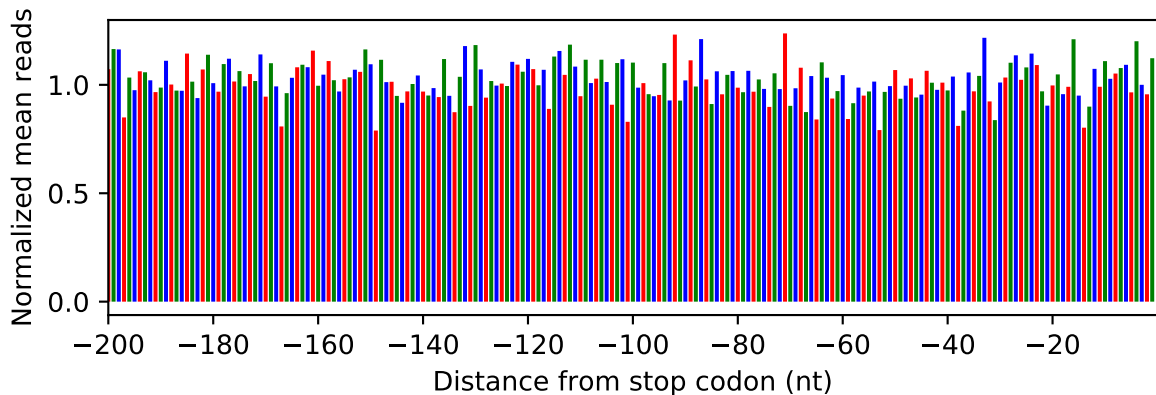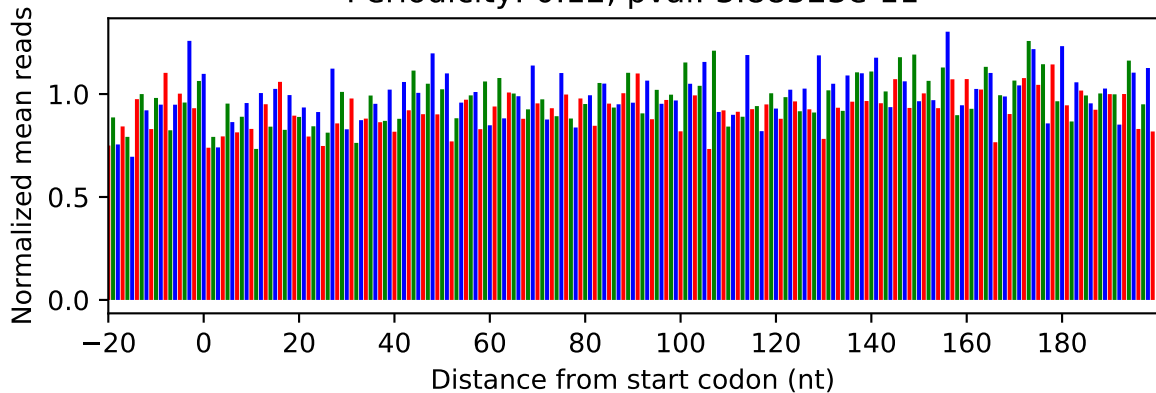**Periodicity: 0.02, pval: 0.0182653**
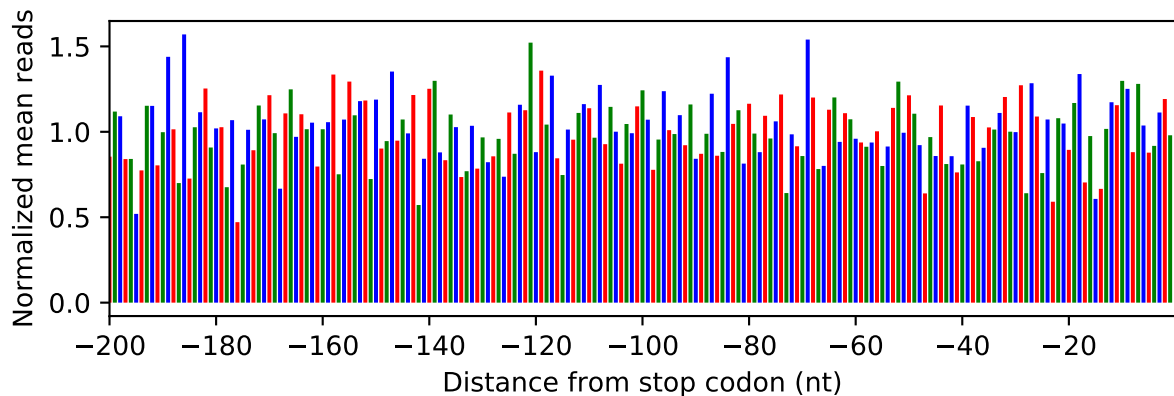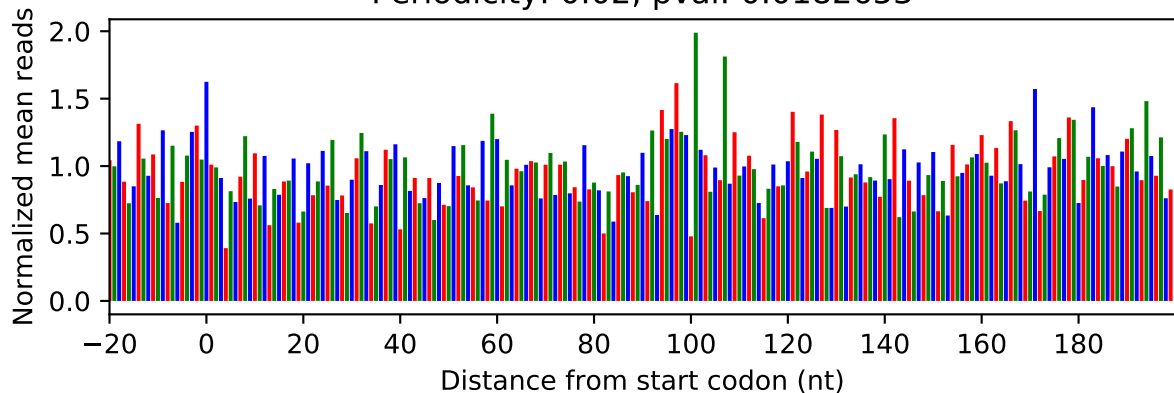
32 nt reads, proportion: 0.75%
Periodicity: 0.0079, pval: 0.206762

33 nt reads, proportion: 2.43%
Periodicity: 0.2, pval: 4.88498e-15

34 nt reads, proportion: 4.77%
Periodicity: 0.12, pval: 3.88523e-11

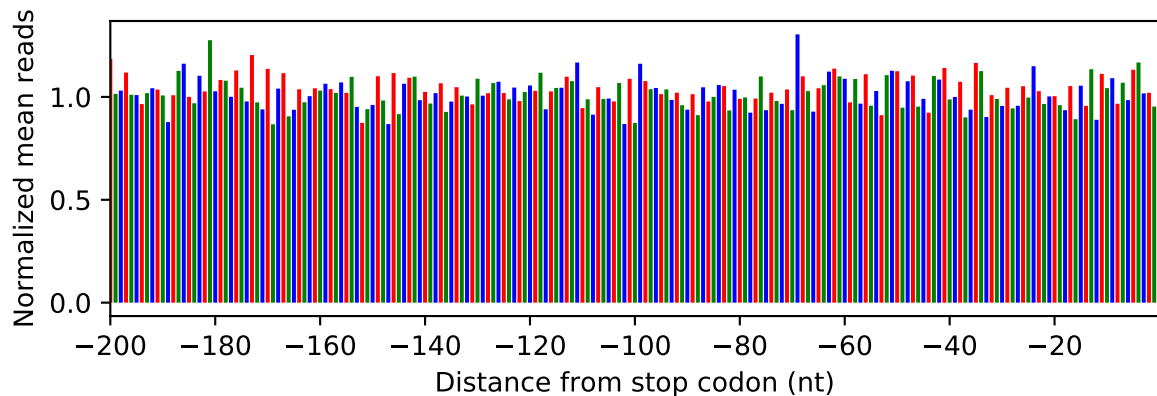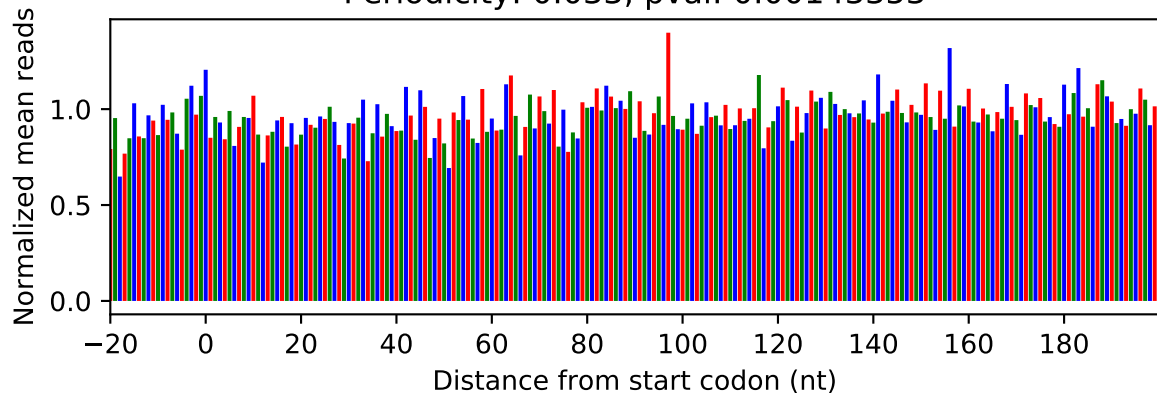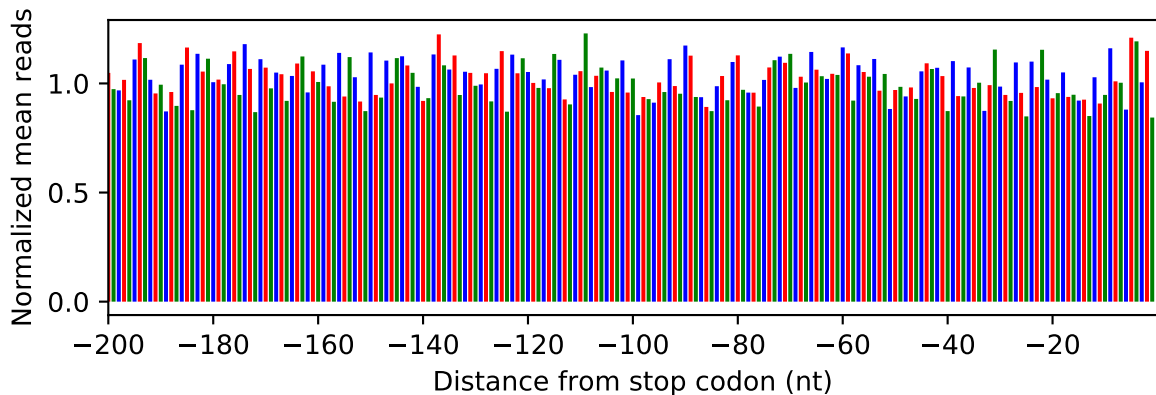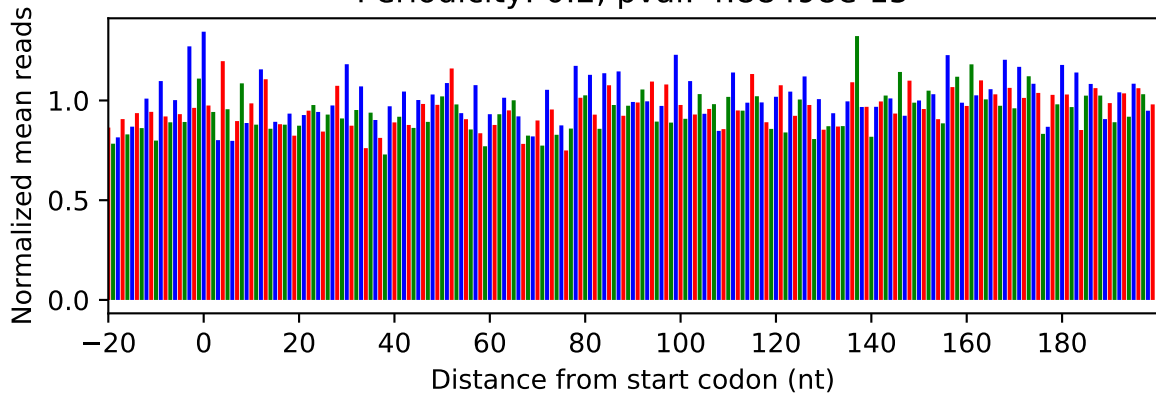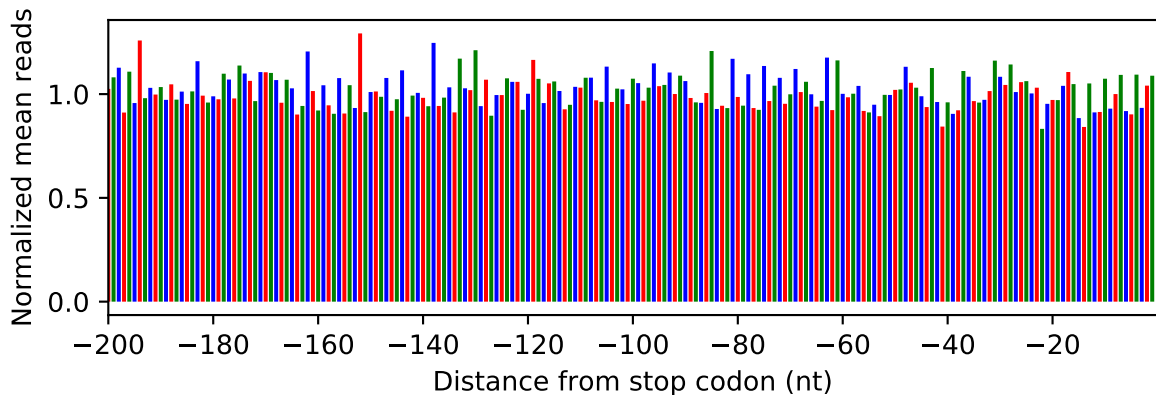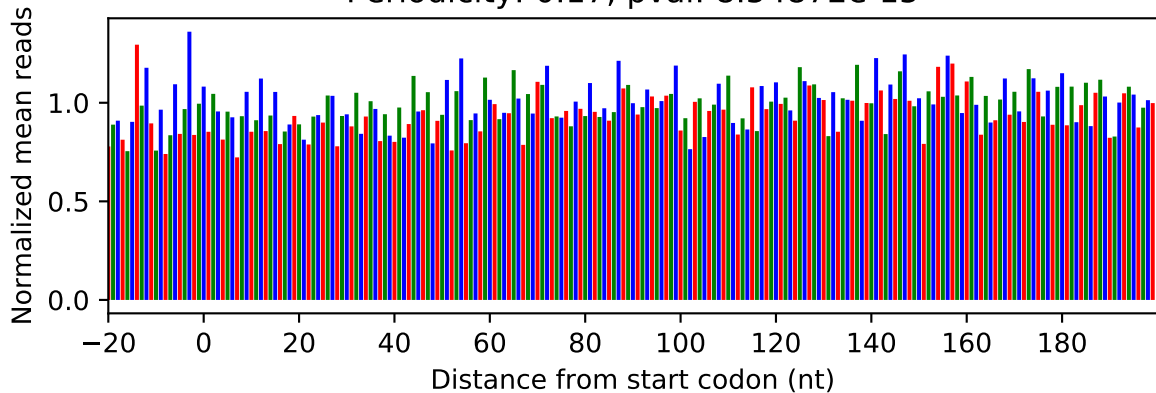35 nt reads, proportion: 5.90%
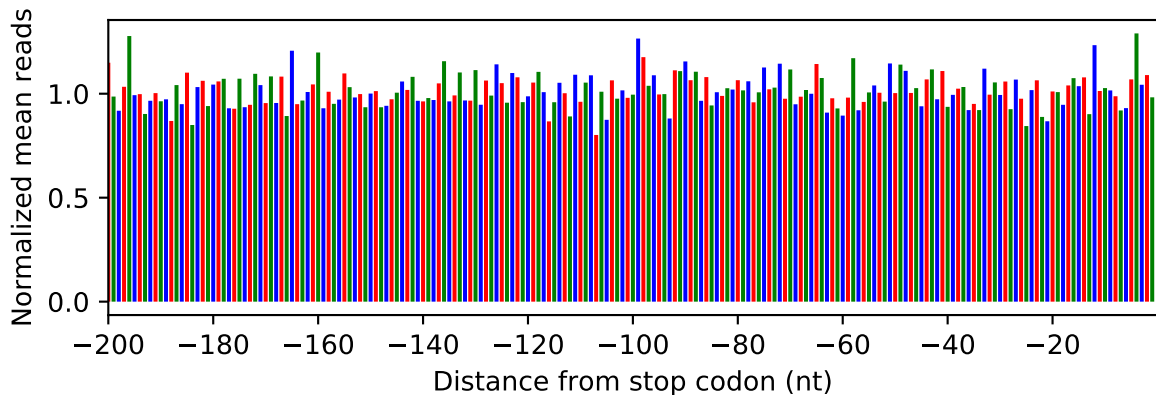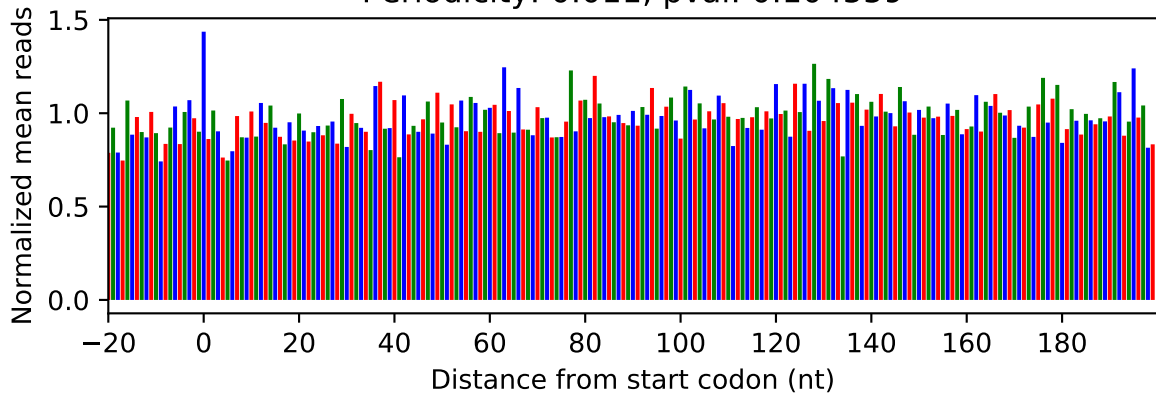Periodicity: 0.033, pval: 0.00143353

36 nt reads, proportion: 6.08%
Periodicity: 0.2, pval: 4.88498e-15

37 nt reads, proportion: 6.03%
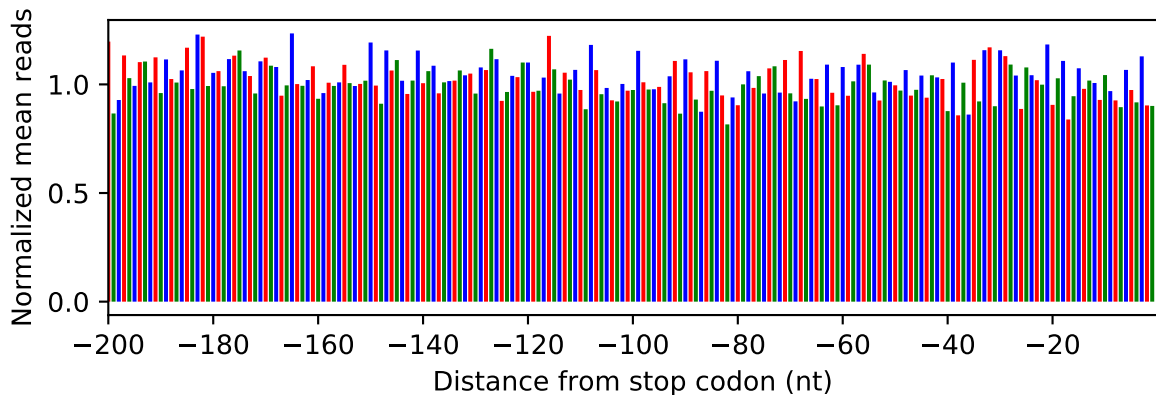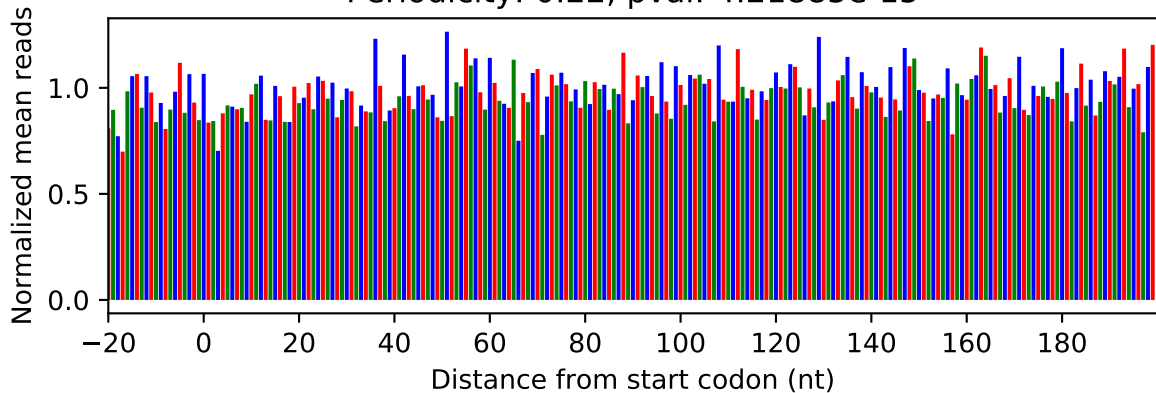Periodicity: 0.17, pval: 8.54872e-15

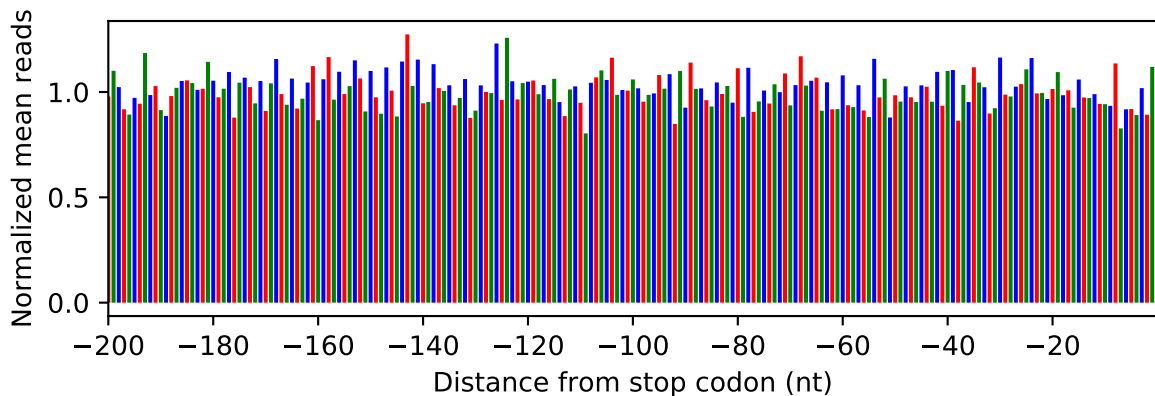38 nt reads, proportion: 5.88%
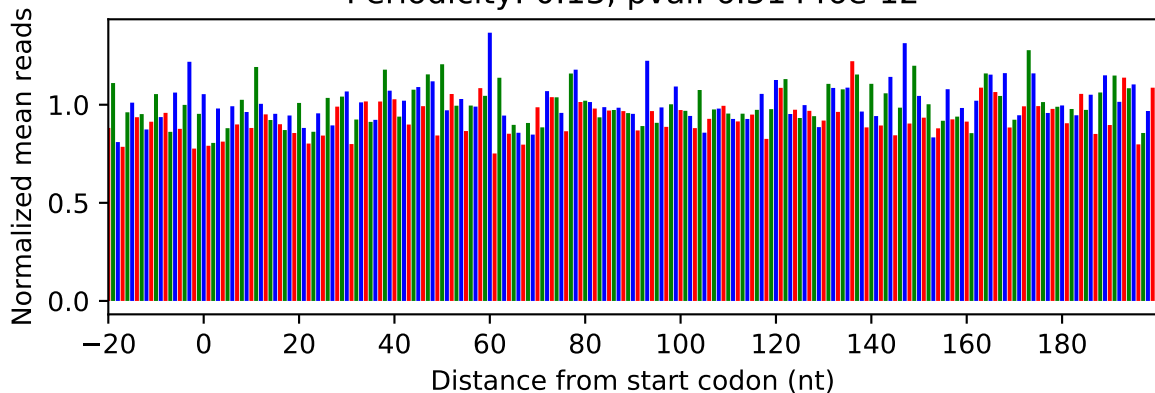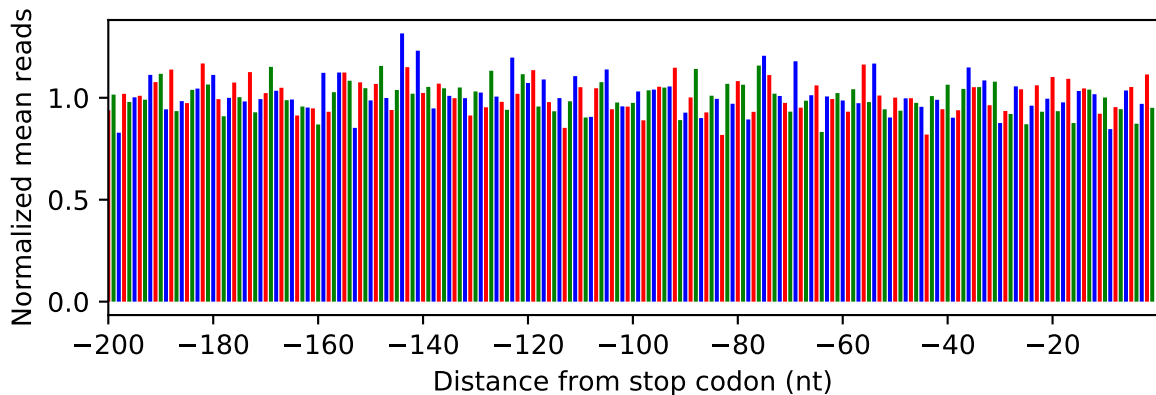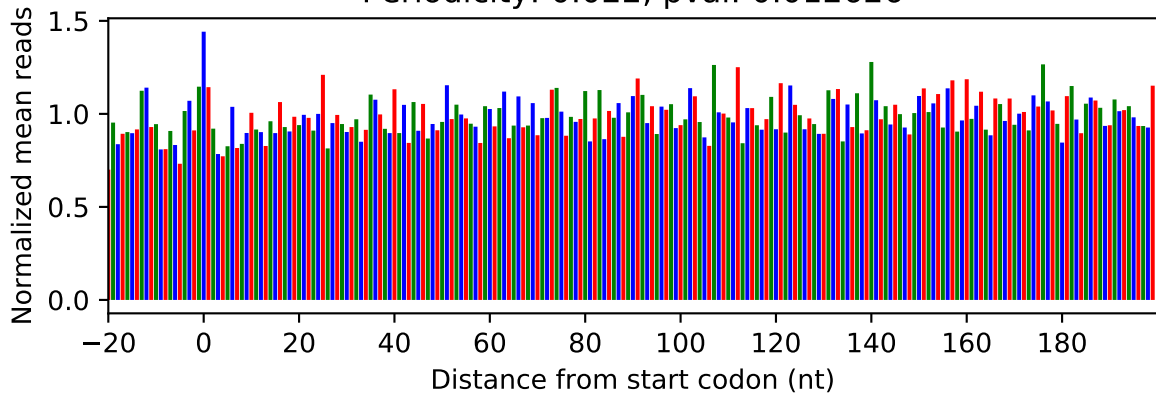Periodicity: 0.011, pval: 0.104559

39 nt reads, proportion: 5.71%
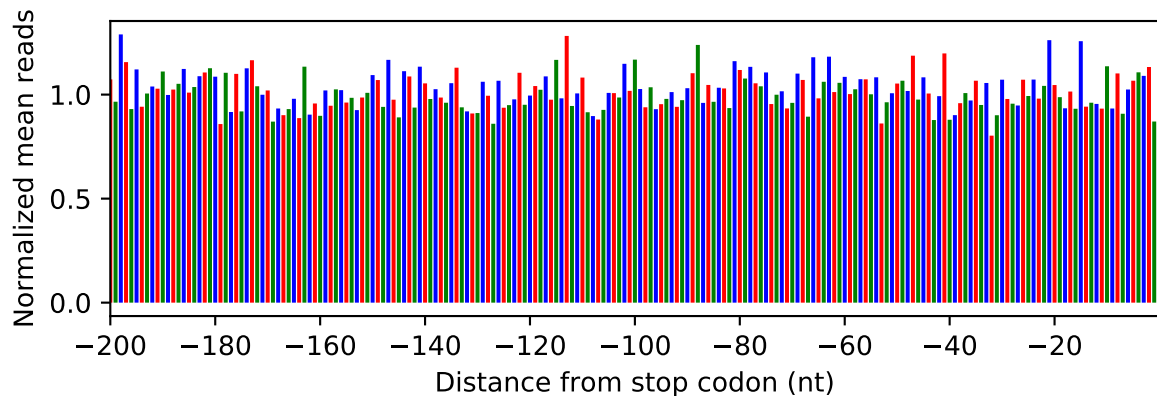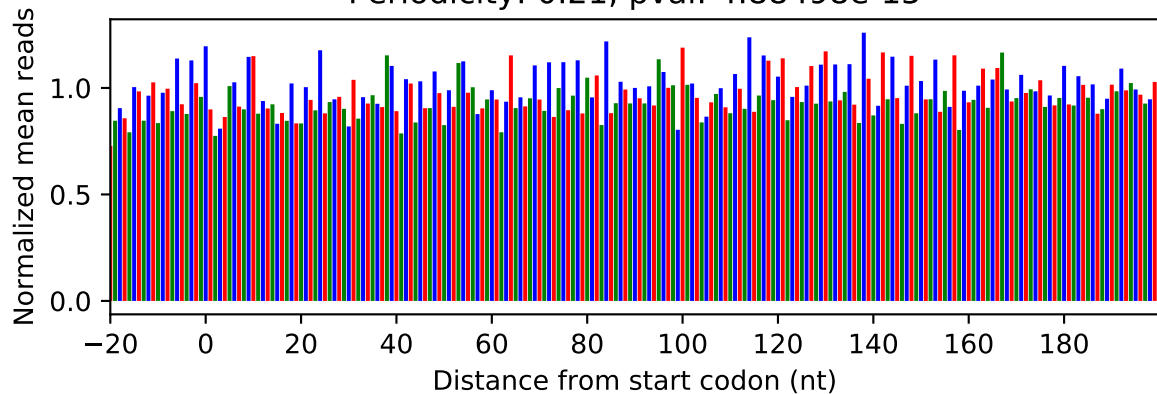Periodicity: 0.22, pval: 4.21885e-15

40 nt reads, proportion: 5.53%
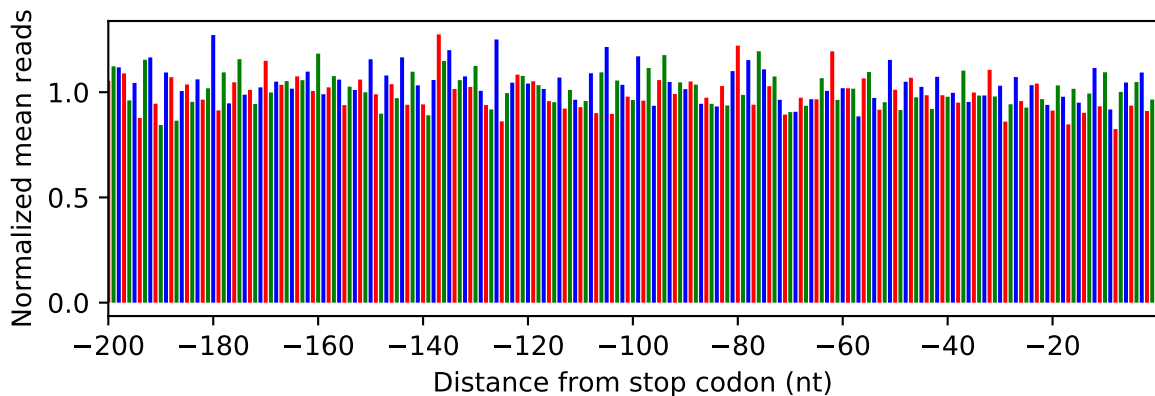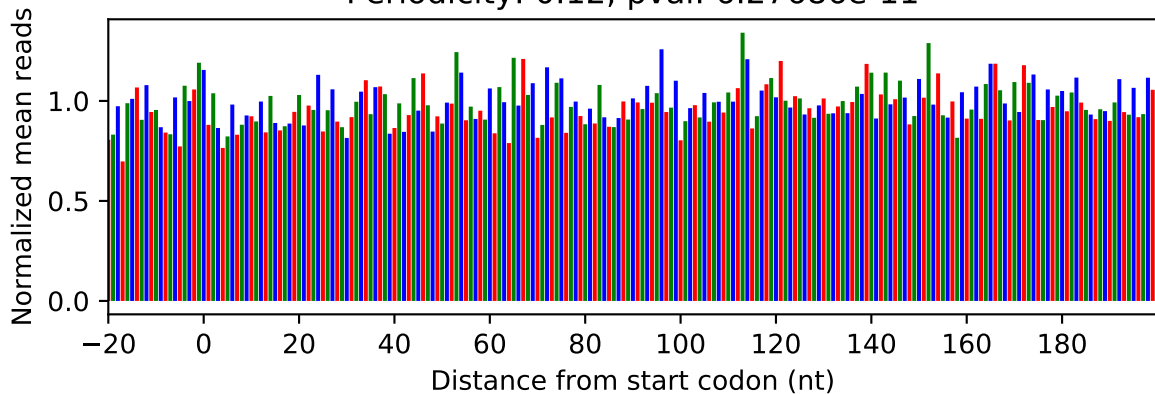Periodicity: 0.13, pval: 6.51446e-12

41 nt reads, proportion: 5.33%
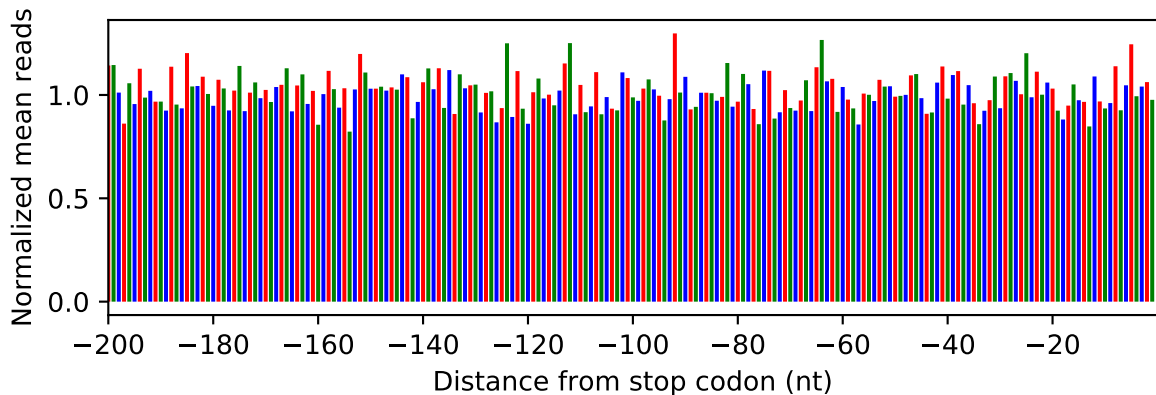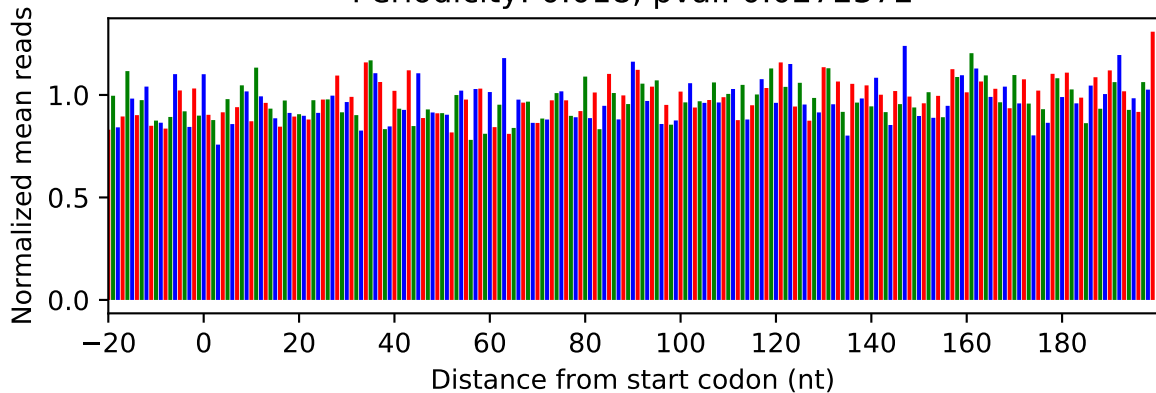Periodicity: 0.022, pval: 0.012626

42 nt reads, proportion: 5.12%
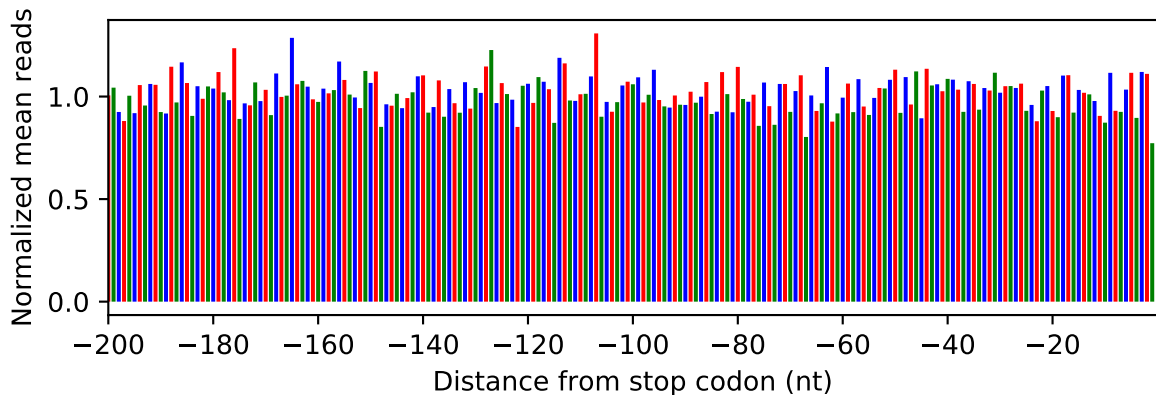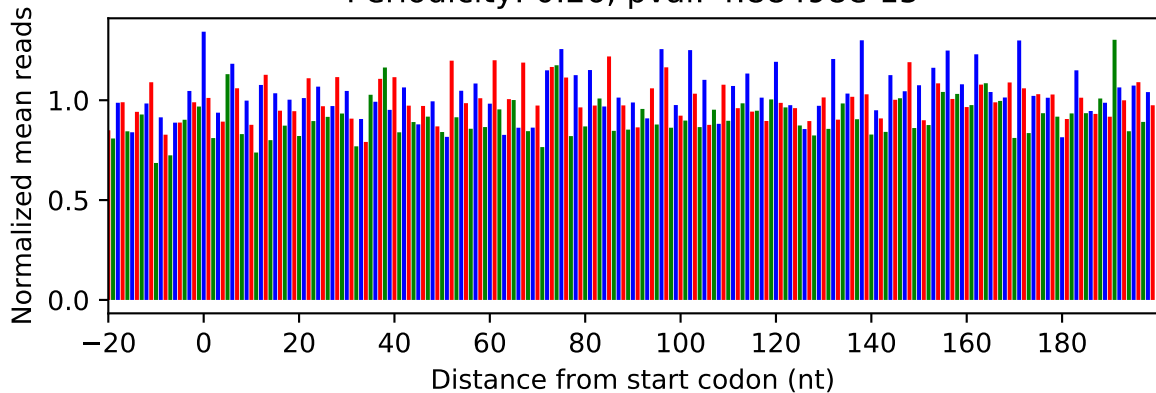Periodicity: 0.21, pval: 4.88498e-15

43 nt reads, proportion: 4.92%
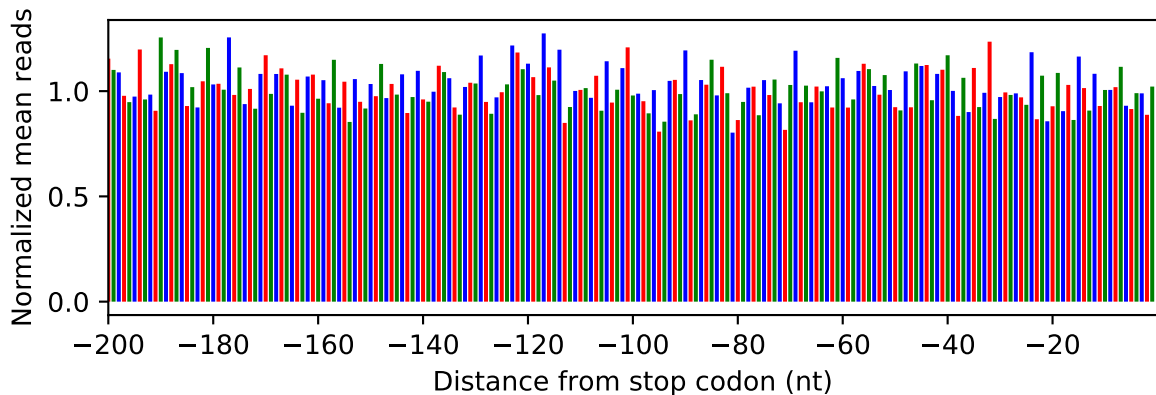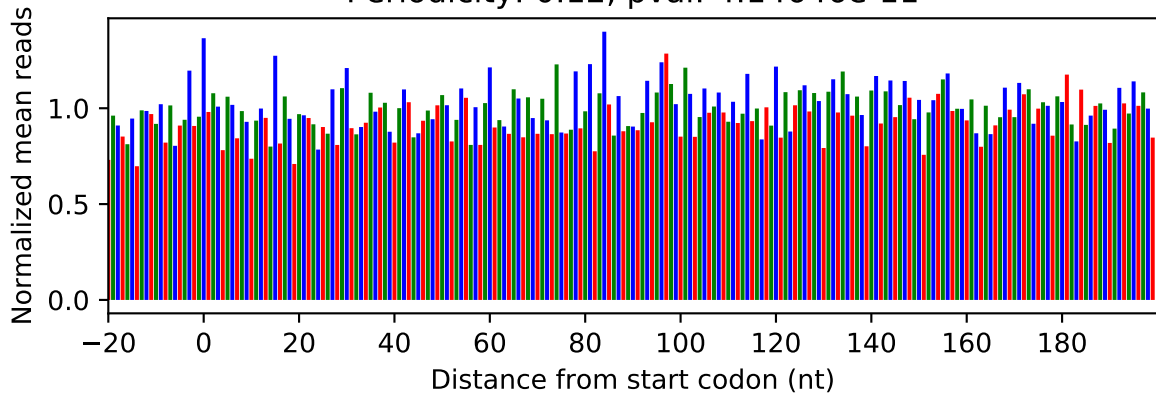Periodicity: 0.12, pval: 6.27686e-11

44 nt reads, proportion: 4.72%
Periodicity: 0.018, pval: 0.0272372

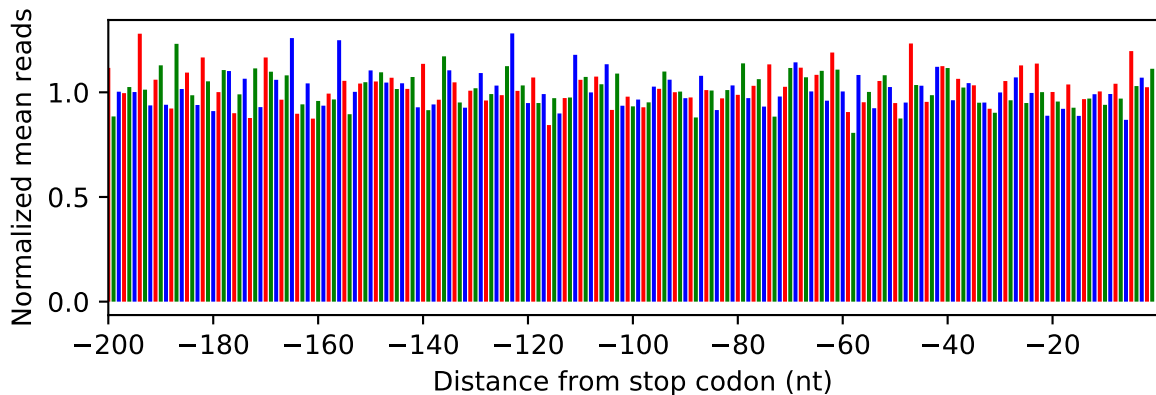**45 nt reads, proportion: 4.53%**
Periodicity: 0.26, pval: 4.88498e-15

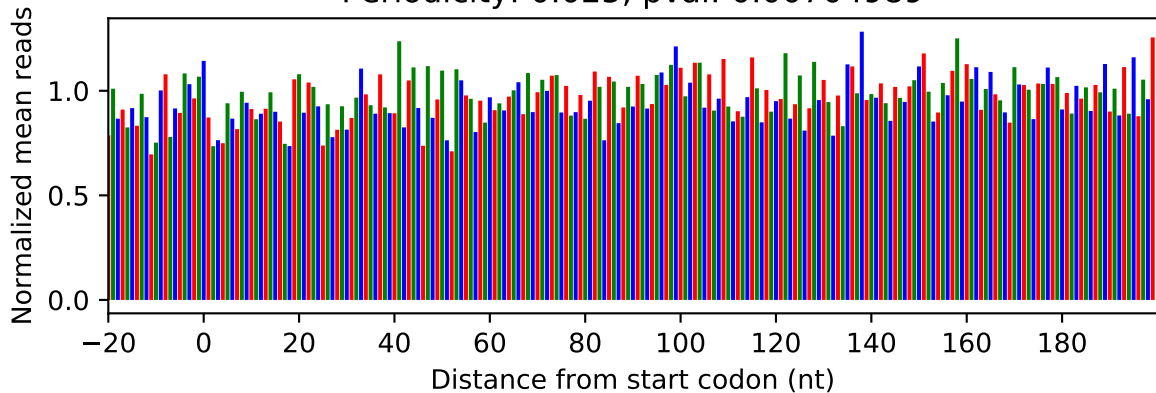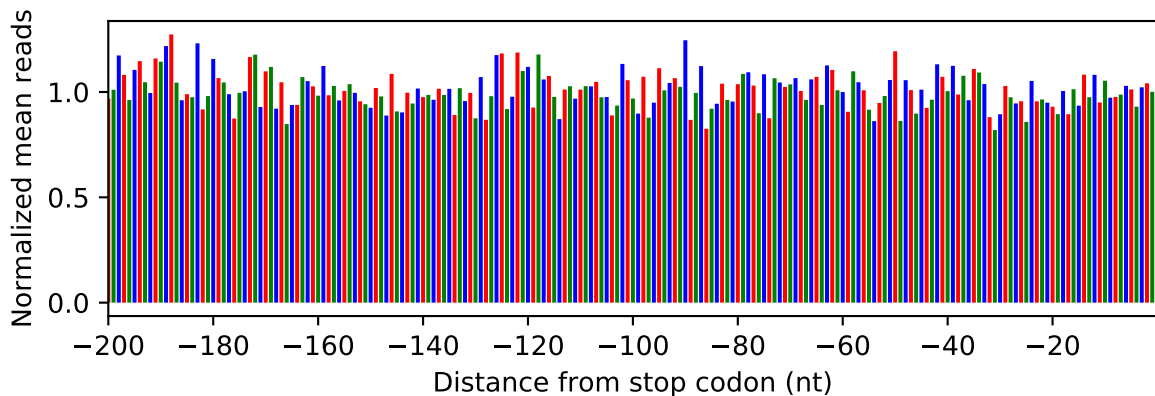46 nt reads, proportion: 4.33%
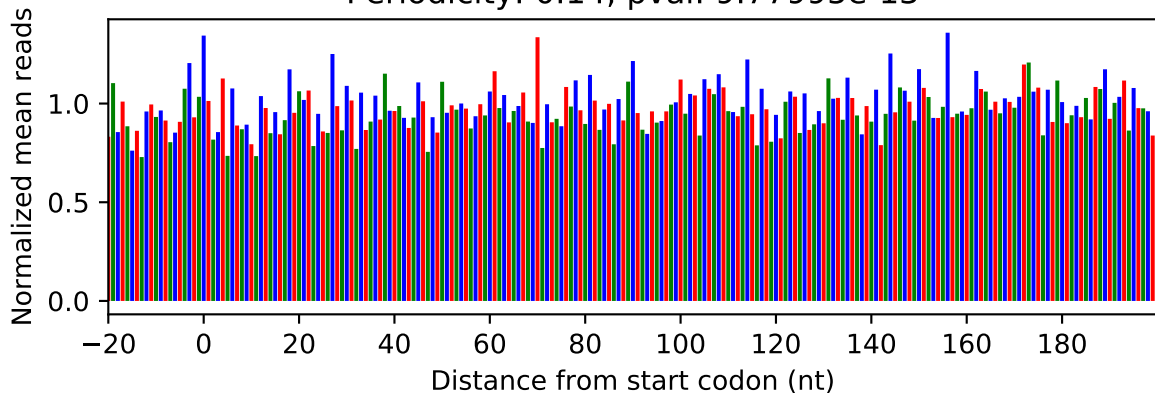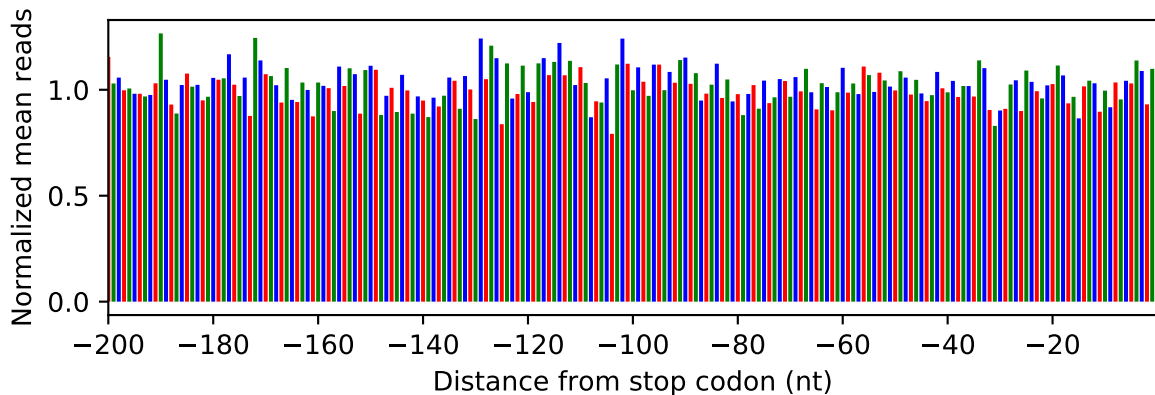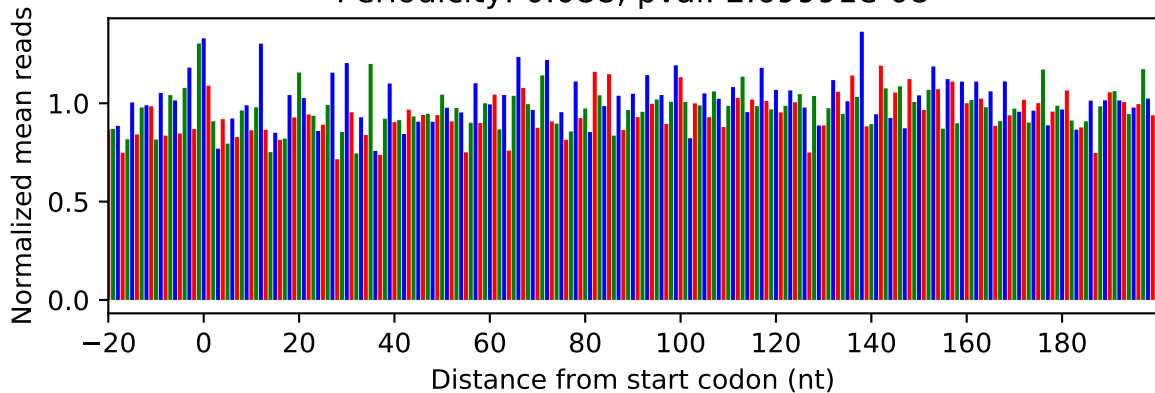Periodicity: 0.12, pval: 4.14646e-11

47 nt reads, proportion: 4.13%
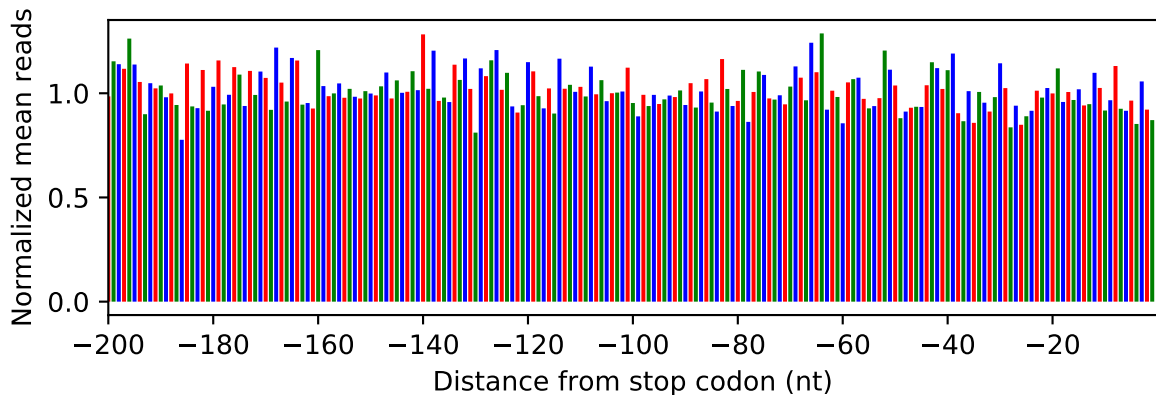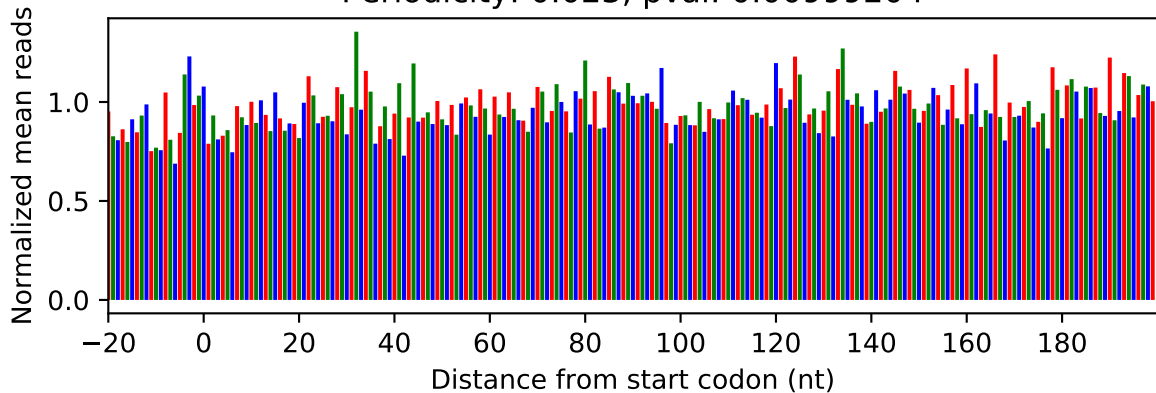Periodicity: 0.025, pval: 0.00704989

48 nt reads, proportion: 3.95%
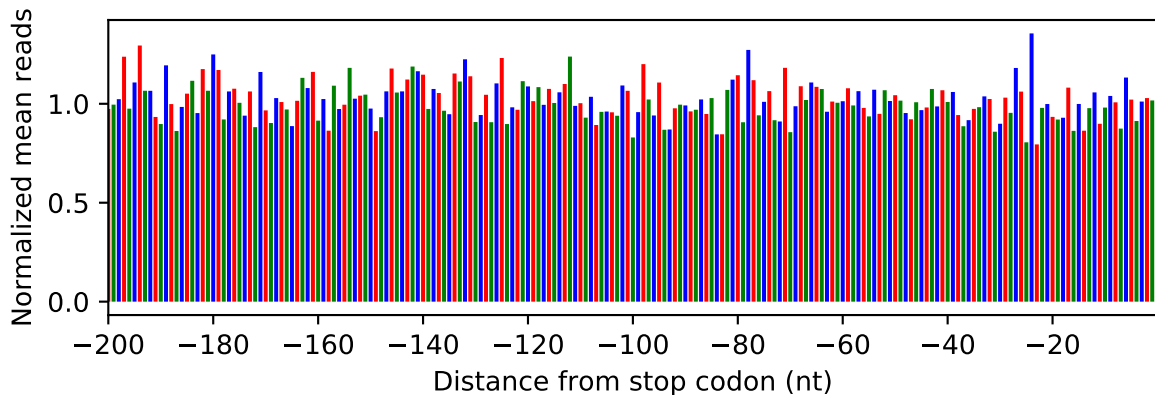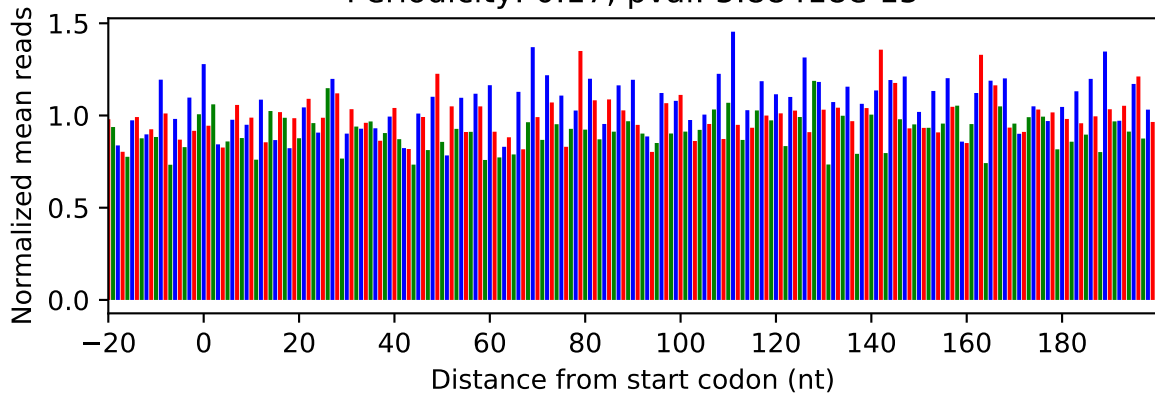Periodicity: 0.14, pval: 9.77995e-13

49 nt reads, proportion: 3.82%
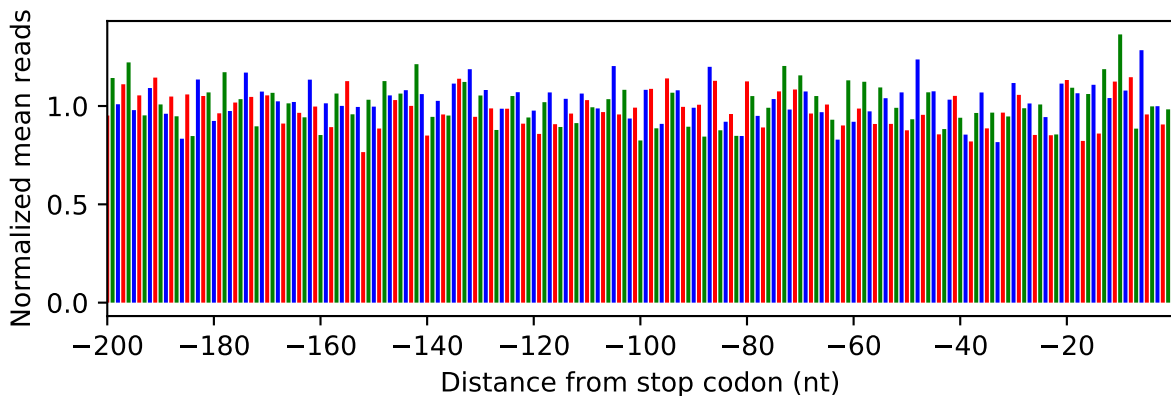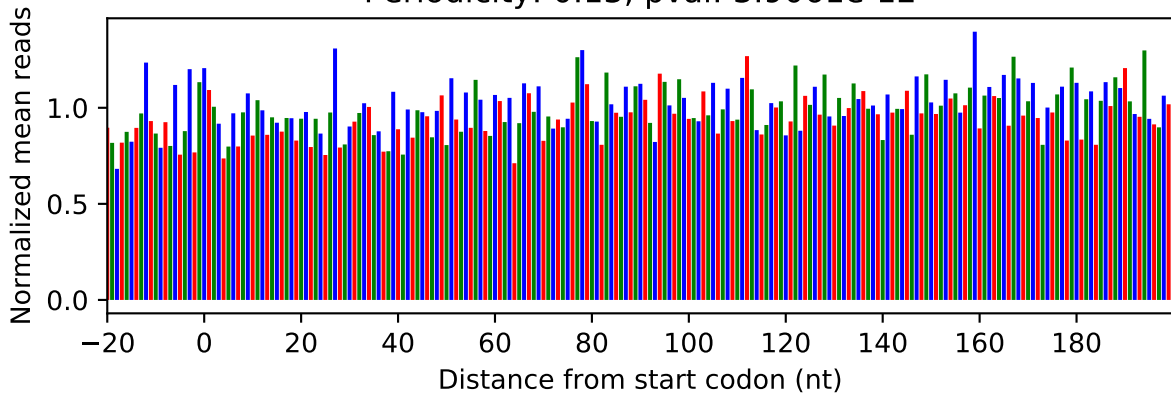Periodicity: 0.088, pval: 2.69991e-08

50 nt reads, proportion: 3.62%
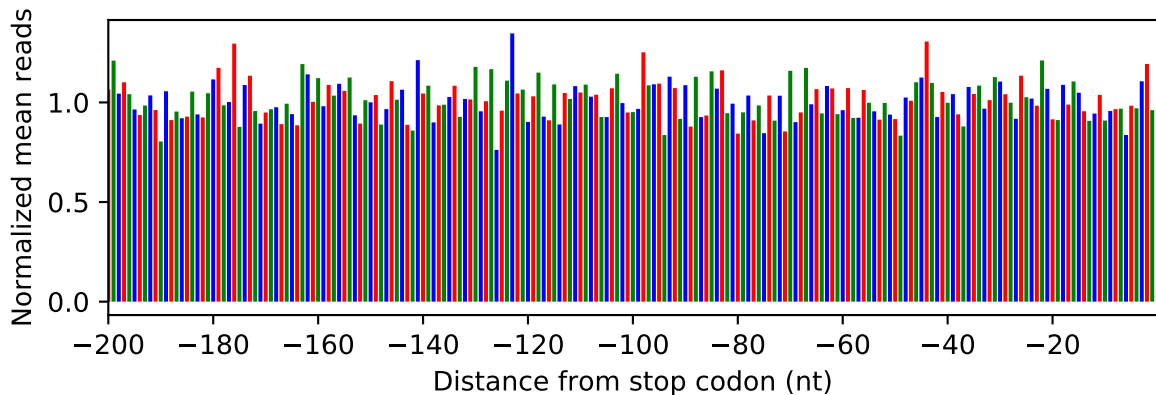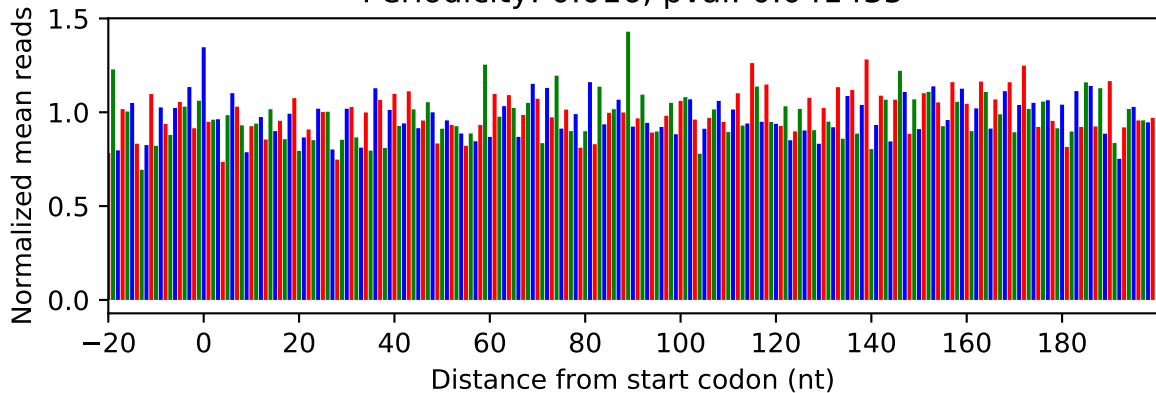Periodicity: 0.023, pval: 0.00999204

51 nt reads, proportion: 3.42%
Periodicity: 0.17, pval: 5.88418e-15

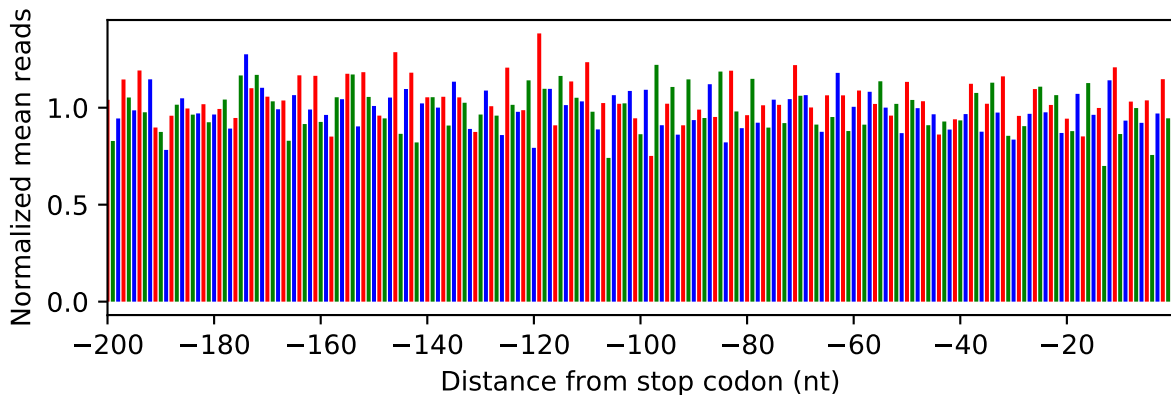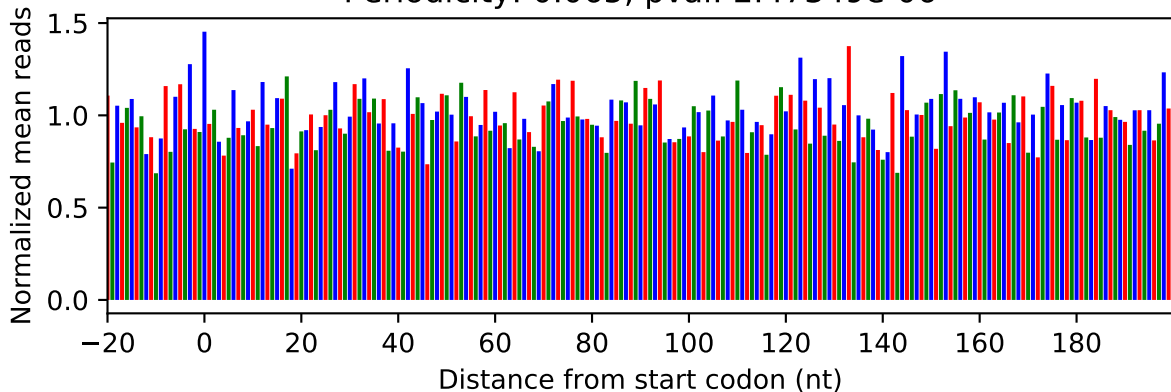**52 nt reads, proportion: 3.16%**
Periodicity: 0.13, pval: 3.9061e-12

53 nt reads, proportion: 2.68%
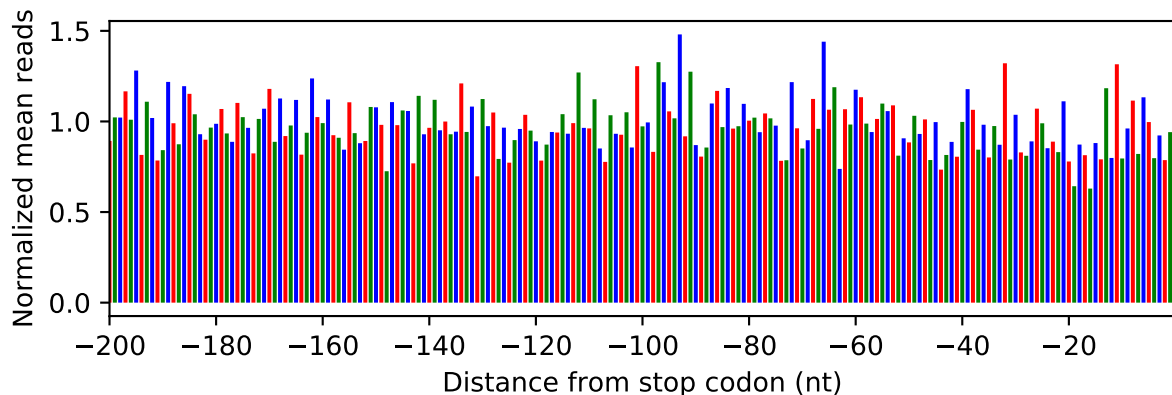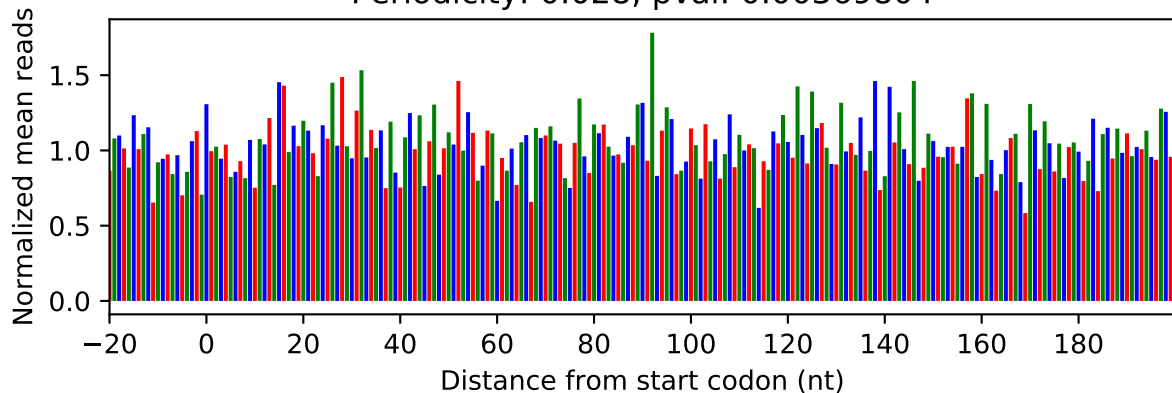Periodicity: 0.016, pval: 0.041435

54 nt reads, proportion: 1.76%
Periodicity: 0.065, pval: 2.47349e-06

55 nt reads, proportion: 0.81%
Periodicity: 0.028, pval: 0.00369804

56 nt reads, proportion: 0.29%
Periodicity: 0.04, pval: 0.000329462