

Additional file 16. Half-life calculations. (A and B) Data for two individual integrated 8mers in our GFP reporter system were assayed, ACAGGGUA (A) and GUUGCAUU (B). Transcription was arrested, and cells were collected at 0, 2, 4, 8, and 12 hours, then the relative amount of reporter mRNA remaining was found. Each replicate's rate constant was found by fitting a best-fit exponential line to the data. (C) Half-life values for five 8mers, each integrated in our GFP reporter system. Rate constants and Pearson correlation values were found by combining all replicate data collected for each 8mer. Half-life was calculated as ln(2)/-rate constant.