

Phenotype Name	Description
Duration High	Average duration of the intervals where $R4$ concentration is above 50% of the dynamic range.
Duration Low	Average duration of the intervals where $R4$ concentration is below 50% of the dynamic range.
Period	Average time interval between two switches from high to low concentrations of $R4$.
Fraction High	Fraction of the time when $R4$ concentration is high ($Duration\ High/Period$).
$\sigma_{Duration\ High}$	Standard deviation of the duration of the intervals where $R4$ concentration is high.
$\sigma_{Duration\ Low}$	Standard deviation of the duration of the intervals where $R4$ concentration is high.
σ_{Period}	Standard deviation of the time interval between two switches from high to low concentrations of $R4$.
High Value	Average concentration of $R4$ when $R4$ has a high concentration.
Low Value	Average concentration of $R4$ when $R4$ has a low concentration.
Dynamic Range	Difference between the high and low values divided by the high value.
CV_{Period}	Coefficient of variation of the Period: standard deviation of the Period divided by its mean ($\sigma_{Period}/Period$).
CV_{High}^P	Standard deviation of the Duration High divided by the mean Period ($\sigma_{Duration\ High}/Period$).
CV_{Low}^P	Standard deviation of the Duration Low divided by the mean Period ($\sigma_{Duration\ Low}/Period$).
CV_{High}	Standard deviation of the duration of the intervals where $R4$ concentration is high divided by its mean ($\sigma_{Duration\ High}/Duration\ High$).
CV_{Low}	Standard deviation of the duration of the intervals where $R4$ concentration is low divided by its mean ($\sigma_{Duration\ Low}/Duration\ Low$).
Peak Integral	$Duration\ High$ multiplied by $High\ Value$.

Table S4: Phenotypes for the oscillator module (see Figure 8A).