

**Title:** Supplementary Data 1

**Description:** This table contains a detailed list of constructs used in this study and the respective sequence information.

**Title:** Supplementary Data 2

**Description:** This table contains the exact p values reported in this study.

**Title:** Supplementary Data 3

**Description:** This table contains the DNA sequences of oligonucleotides used in this study. Sequences are presented from the 5' end to the 3' end.

**Title:** Supplementary Data 4

**Description:** This folder contains the bngl file defining the mathematical model shown in Supplementary Fig. 3 along with the m-file used to solve it.