

## **Description of Additional Supplementary Files**

File Name: Supplementary Data 1

Description: Table of treatment conditions.

File Name: Supplementary Data 2

Description: Table of transcription factor binding motifs (TFBMs) used to generate candidate promoters.

File Name: Supplementary Data 3

Description: Table of TRE units.

File Name: Supplementary Data 4

Description: Table of primers.

File Name: Supplementary Data 5

Description: Table of plasmids.

File Name: Supplementary Data 6

Description: Table of promoters displayed in Figure 5B from top to bottom.

File Name: Supplementary Data 7

Description: Table of promoters displayed in Figure S8B from top to bottom.