

Supplementary Table 2. Promoter combinations of library control strains.

Design	Position 1	Position 2	Position 3	Position 4	Position 5
1	1	7	13	19	25
2	8	12	18	23	28
3	4	11	17	24	29
4	2	6	14	20	26
5	3	9	15	21	27

Note: The numbers in each row refer to promoter numbers as shown in Supplementary Table 3. Design no. 1 contains the promoters that are native to the genes at the five positions. Related to Figure 1 and 3.