

S3 Table. Boolean gene expression dataset of the *E. coli* gene regulatory network converted by k-means algorithm

Time	G ₁	G ₂	G ₃	G ₄	G ₅	G ₆	G ₇	G ₈	G ₉	G ₁₀
1	1	0	1	1	0	0	1	0	0	0
2	1	0	1	1	0	0	1	0	0	0
3	1	0	1	1	0	0	1	0	0	0
4	1	0	1	1	0	0	0	0	0	1
5	1	1	1	1	0	1	0	1	0	1
6	0	1	0	1	1	1	0	1	1	1
7	0	1	0	1	1	1	0	1	1	1
8	0	1	0	1	1	1	0	1	1	1
9	0	1	0	1	1	1	0	1	1	1
10	0	1	0	1	1	1	0	1	1	1
11	0	1	0	1	1	1	0	1	1	1
12	0	1	0	0	1	1	0	1	1	1
13	0	1	0	0	1	1	0	1	1	1
14	0	1	0	0	1	1	0	1	1	1
15	0	1	0	0	1	1	0	1	1	1
16	0	1	0	0	1	1	0	1	1	1
17	0	1	0	0	1	0	0	1	1	1
18	0	1	0	0	1	0	0	1	1	1
19	0	1	0	0	1	0	0	1	1	1
20	0	1	0	0	1	0	0	1	1	1
21	0	1	0	0	1	0	0	1	1	1