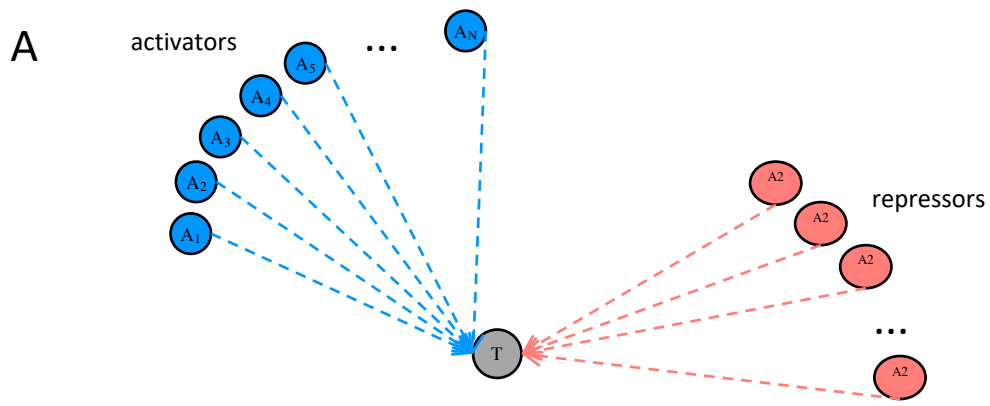


Fig. S8



Possible rules for activation  $nRules_A = \binom{N}{1} + \binom{N}{2} + \binom{N}{3} + \binom{N}{4}$

Possible rules for repression  $nRules_R = \binom{M}{0} + \binom{M}{1} + \binom{M}{2}$

Total possible rules  $nRules_T = nRules_A \times nRules_R$

**B**

