Identify the experimental conditions in which Gene1 is regulated by its known regulator TF.

Conjecture: Gene1 is likely to be regulated by TF in states that belong to at least one of the two subsets of experimental conditions:

- Subset of experimental conditions in which the expression profiles of Gene1 and TF are positively or negatively correlated
- Subset of experimental conditions in which the expression profiles of Gene1 is positively or negatively correlated with some of the genes regulated by TF

TF regulates Gene1 in experiments:

- Subset I: \( \{1, 3, 5, 7, 9, 11, 13\} \) or Subset II: \( \{3, 5, 7, 9, 11, 13, 14, 15\} \)