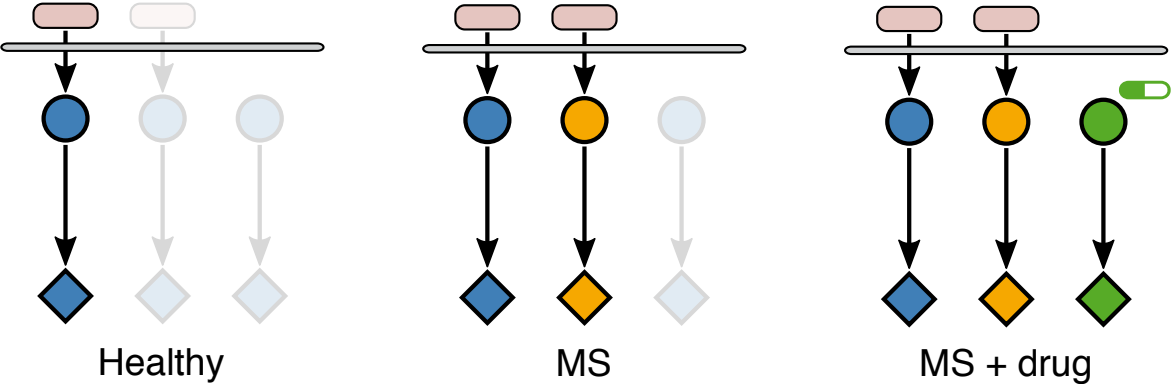


**A** Identify subgroup networks



**B** Score subgroup reactions to find co-druggable

$$S_I = \left| \begin{array}{c} \text{Healthy} \\ \text{MS} \end{array} - \begin{array}{c} \text{Healthy} \\ \text{MS} \end{array} \right| - \left| \begin{array}{c} \text{Healthy} \\ \text{MS} \end{array} - \begin{array}{c} \text{MS + drug} \\ \text{MS + drug} \end{array} \right|$$

$S_I < 1$

**C** Topological prediction of drug combination

