

①

INPUT

Samples			
Gene	S1	S2	...
A	5	8	
B	9	9	
C	5	8	
D	1	2	
E	8	6	

GENES EXPRESSION

②

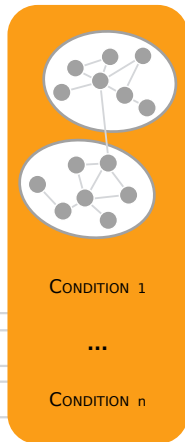
FILTERING

Samples			
Gene	S1	S2	...
A	5	8	
C	5	8	
E	8	6	

③

CO-EXPRESSION
NETWORK
CONSTRUCTION

④

MODULES
DETECTION

⑦

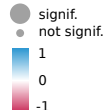
MODULES DIFFERENTIAL
CO-EXPRESSION

⑤

BIOLOGICAL
INTEGRATIONGene set
enrichmentPhenotypic
association

MODULES

PHENOTYPES



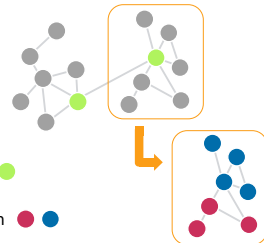
⑥

TOPOLOGICAL
ANALYSIS

Graph visualization

Hub genes detection

Sub modules detection



MODULE STATUS

- Preserved
- Moderately preserved
- Unpreserved