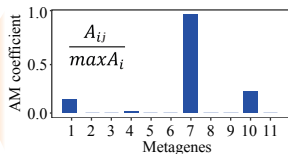


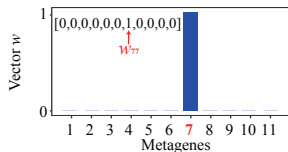
A

Data preparation

- Normalized AM coefficients
- 0-1 pattern of metagenes



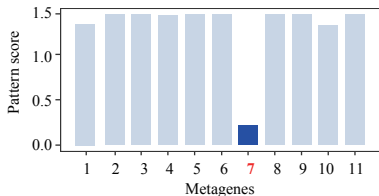
Vector \bar{w}_k



ED calculation

$$\sqrt{\sum_{j=1}^M \left(\frac{A_{ij}}{\max A_i} - w_{kj} \right)^2}$$

Determine metagene by the minimum ED



B

Signature gene identification

$PCC \geq 0.6$ &
 $P\text{-value} \leq 1.0E-3$

