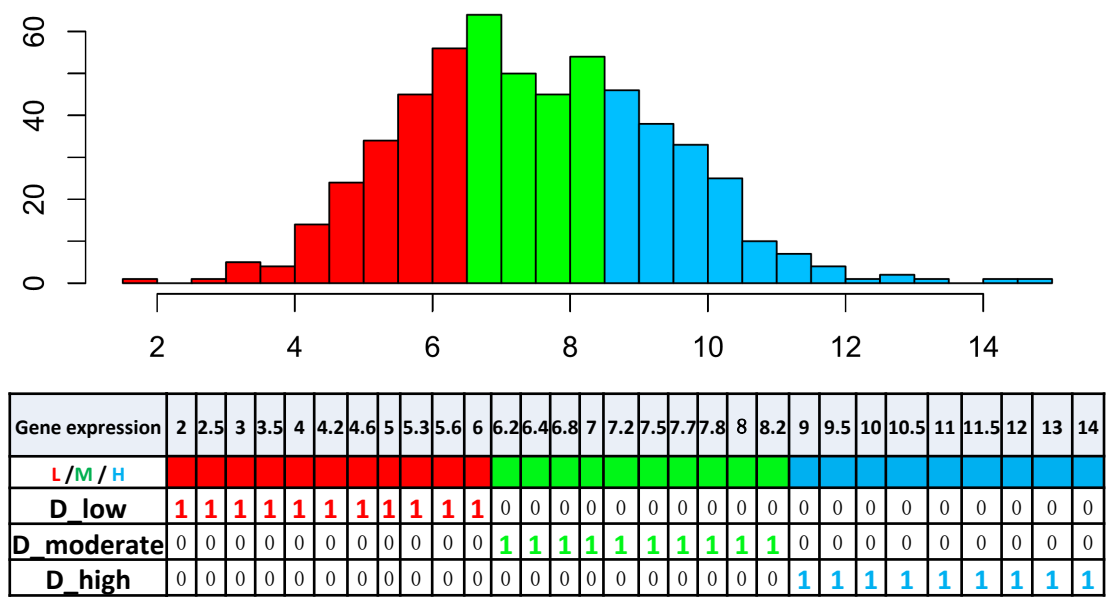


B

Discretization of one gene's expression profile



Bi-clustering identification

Gene expression matrix: $G_{m \times n}$
→ Binary matrix: $D_{3m \times n}$

	S1	S2	S3	S4	S5	S6	S7	S8	S9
G1_H	1	1	0	1	0	0	0	0	0
G1_M	0	0	1	0	1	0	0	0	1
G1_L	0	0	0	0	0	1	1	1	0
G2_H	1	1	0	1	0	0	0	0	0
G2_M	0	0	0	0	0	1	1	1	0
G2_L	0	0	1	0	1	0	0	0	1
G3_H	0	0	0	0	1	0	0	0	1
G3_M	0	0	0	0	0	1	1	1	0
G3_L	1	1	0	1	0	0	0	0	0
G4_H	0	0	0	0	0	1	1	1	0
G4_M	0	0	1	0	1	0	0	0	1
G4_L	1	1	0	1	0	0	0	0	0