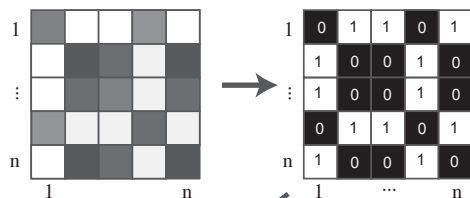


A *Signal Ratio Matrix*
 $SR_{ij} = |S_i - S_j|$ ($S = \log_2(FPKM+1)$) *Differentiation Matrix*
 $DM_{ij} = (SR_{ij} > th) \& (q_j < 0.05)$

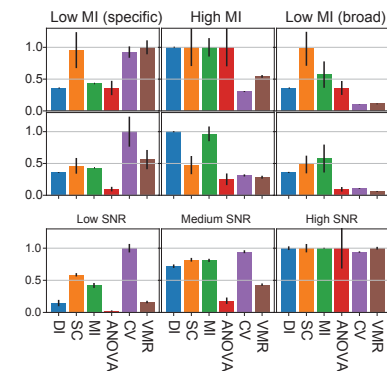
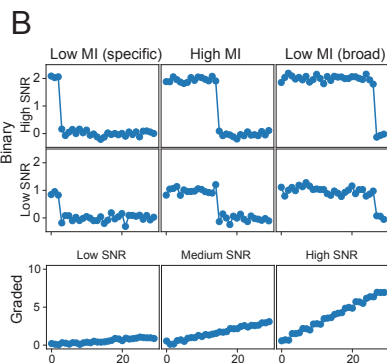


Signal Contrast (SC)

$$SC = \frac{SR_{DM=1}}{SR_{DM=0}}$$

Differentiation Index (DI)

$$DI = \frac{\sum_{i < j} DM_{ij}}{n(n-1)/2}$$



	Mutual Information	SNR
DI	O	X
SC	X	O
MI	O	X
ANOVA	△	△
CV	X	X
VMR (Fano)	X	△

