



**Integration analysis**

Ratio mRNA expression  $\left[ \frac{\text{Gain}}{\text{Normal}} \right] > 1.5$       Ratio mRNA expression  $\left[ \frac{\text{Loss}}{\text{Normal}} \right] < 0.75$

No of genes



$p < 0.05$ , genome changes in early vs late



$p < 0.05$ , mRNA expression in early vs late

