

表 1 ChIP-chip, ChIP-SAGE and ChIP-Seq 的比较

Table 1 Comparison of ChIP-chip, ChIP-SAGE and ChIP-Seq

	ChIP-chip	ChIP-SAGE	Chip-seq
定量	定量有限, 依赖于杂交效率	定量的	定量的
Quantification	Limited quantitative and depends on the hybridization efficiency	Quantitative	Quantitative
分辨率	取决于 ChIP 染色质片段的大小	取决于限制性内切酶位点	取决于染色质片段的大小和测序深度
Resolution	Depends on size of the chromatin fragments for ChIP	Depends on restriction enzyme sites	Depends on the size of the chromatin fragments and sequencing depth
费用	全基因组 tiling 阵列费用高	比 ChIP-Seq 贵	便宜
Cost	High for whole-genome tiling arrays	More expensive than ChIP-Seq	Low
限制	仅在微阵列上的预先选择的基因组区域	限制性内切酶的识别位点	只有非重复区域
Limitation	Only pre-selected genomic regions on a microarray	Recognition sites for the restriction enzyme	Only non-repetitive regions