

**A**

## Enriched TF motifs in less accessible ERVKs in adult spermatogonia

TF	Enriched motif	% of target sequences
PBX3		24.15%
THAP11		22.25%
ZNF143		27.21%
FOXJ1		24.53%
NF-YA		25.88%

## Enriched TF motifs in less accessible LINE L1s in adult spermatogonia

TF	Enriched motif	% of target sequences
FOXO1		15.02%
ZEB1		14.7%
E2F3		13.79%
KLF5		12.67%
ZBTB17		12.74%

**B**