

# Chromatin interactions and regulatory elements in cancer : from bench to bedside

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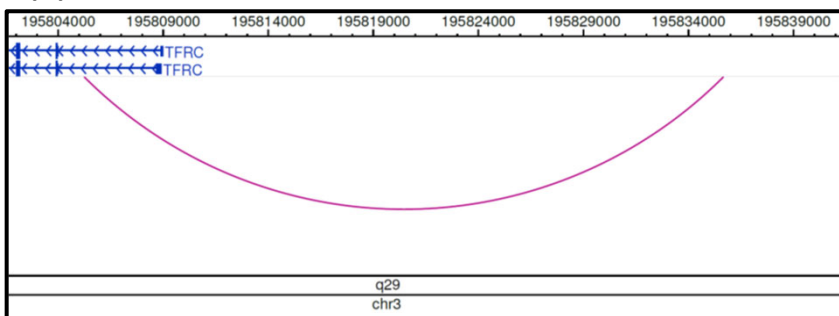
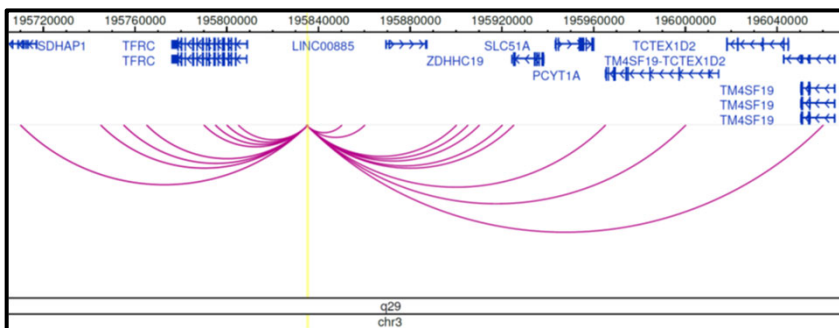
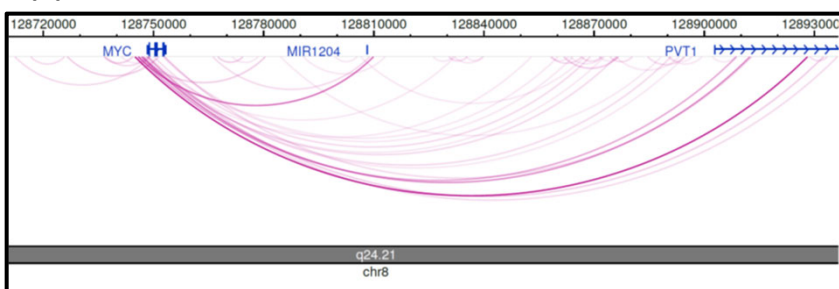
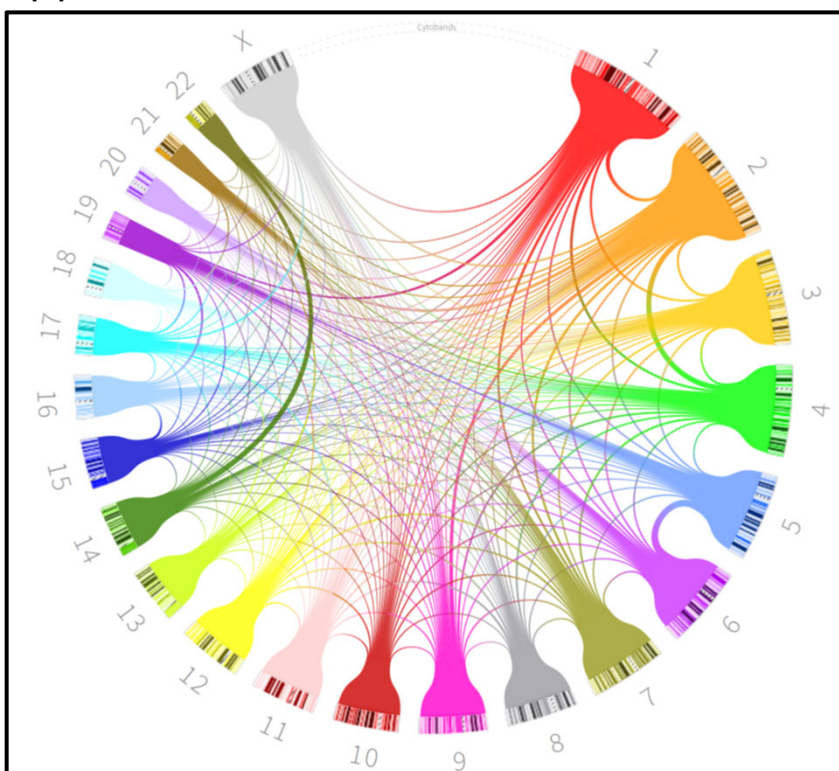
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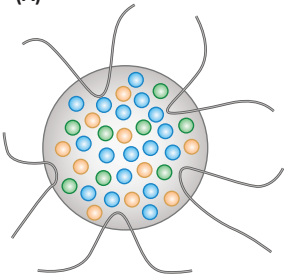
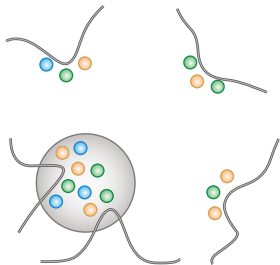
<https://doi.org/10.1016/j.tig.2018.11.007>

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**(A)****(B)****(C)****(D)**

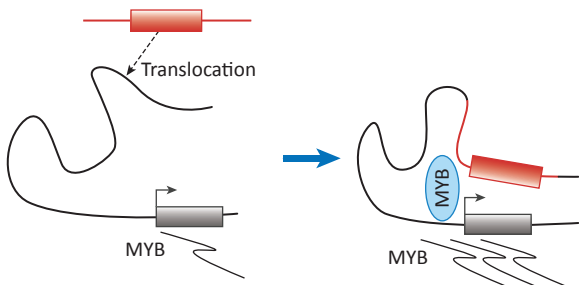
**(A)****(B)****Key:**

: Transcription factors

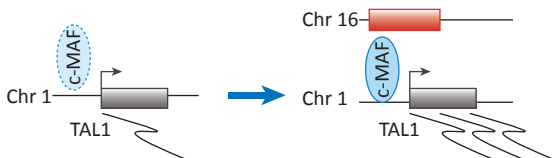


: Phase-separated condensate

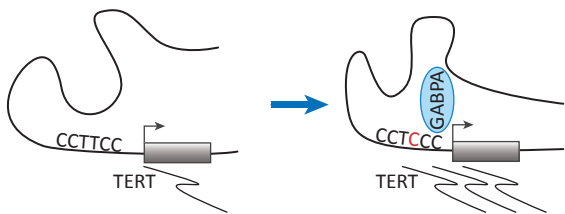
**(A) Enhancer acquisition/Loss**



**(B) Overexpression of TF**



**(C) Gain/Loss of TF binding site**



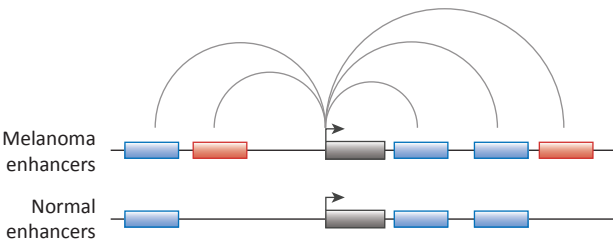
**(D) Gain/Loss of TAD boundaries**



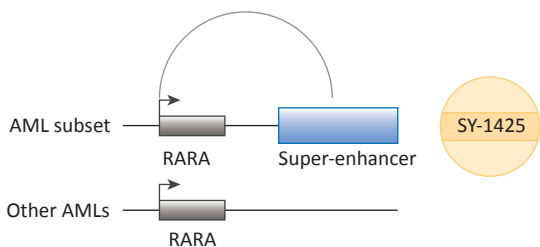
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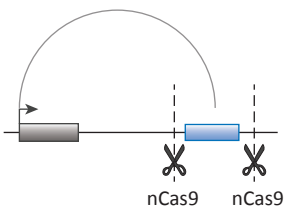
### (A) Chromatin interactions as diagnostic biomarkers



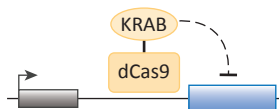
### (B) Chromatin interactions as drug selection biomarkers



### (C) Enhancer excision



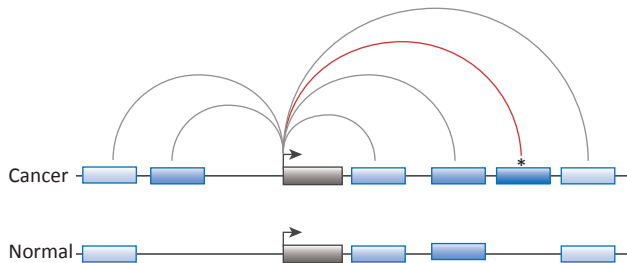
### (D) Enhancer silencing



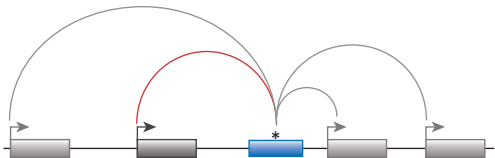
Key:

 : Gene       : Enhancer

## (A) Identifying candidate enhancers



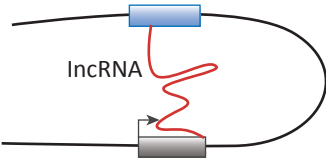
## (B) Identifying potential off-target effects



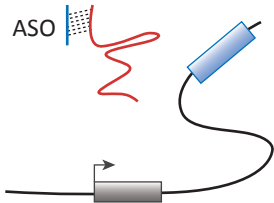
**Key:**

 : Gene  : Enhancer  : Enhancer strength

(A)



(B)



Key:



: Gene

: Enhancer