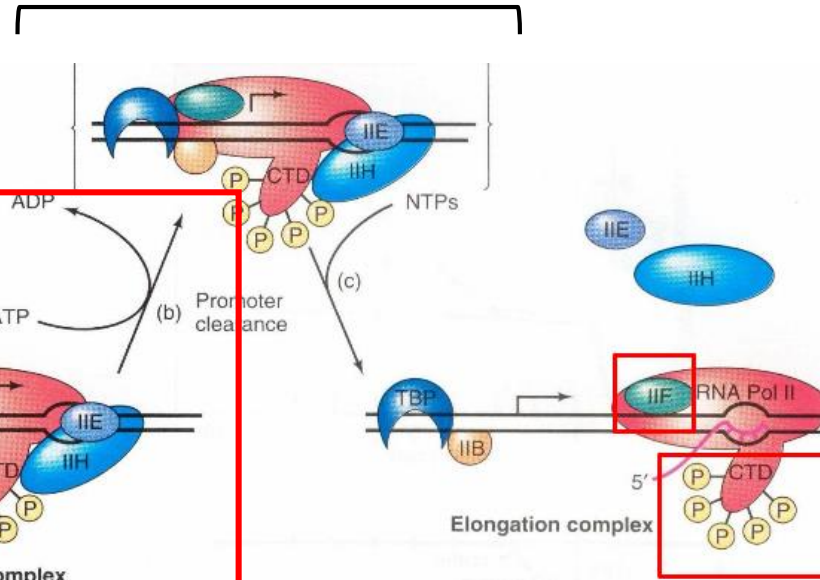
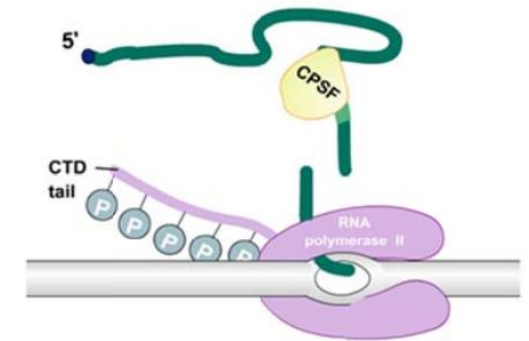


真核生物蛋白质编码基因的 转录过程

Promoter clearance/escape (启动子清除/逃离)

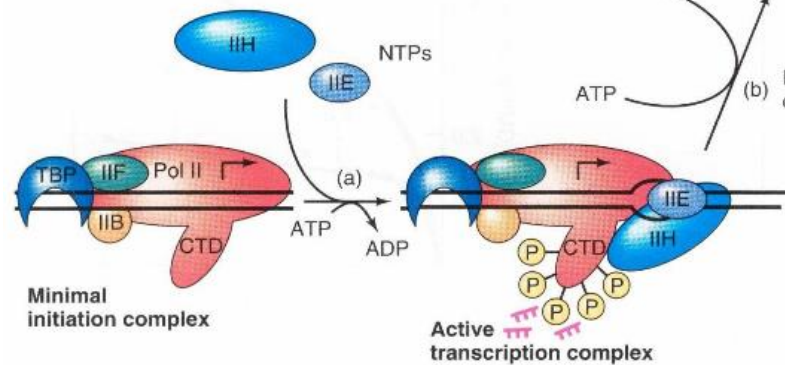


Transcription elongation (转录延伸)

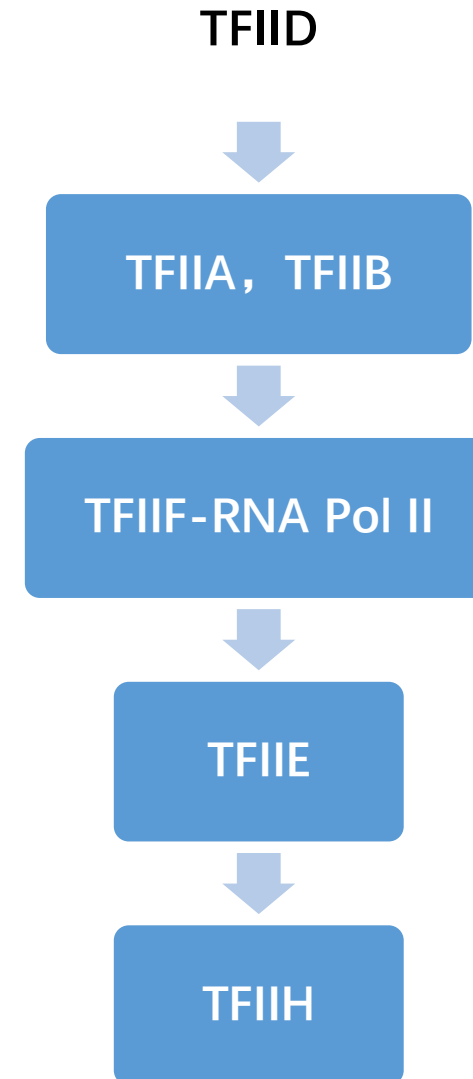
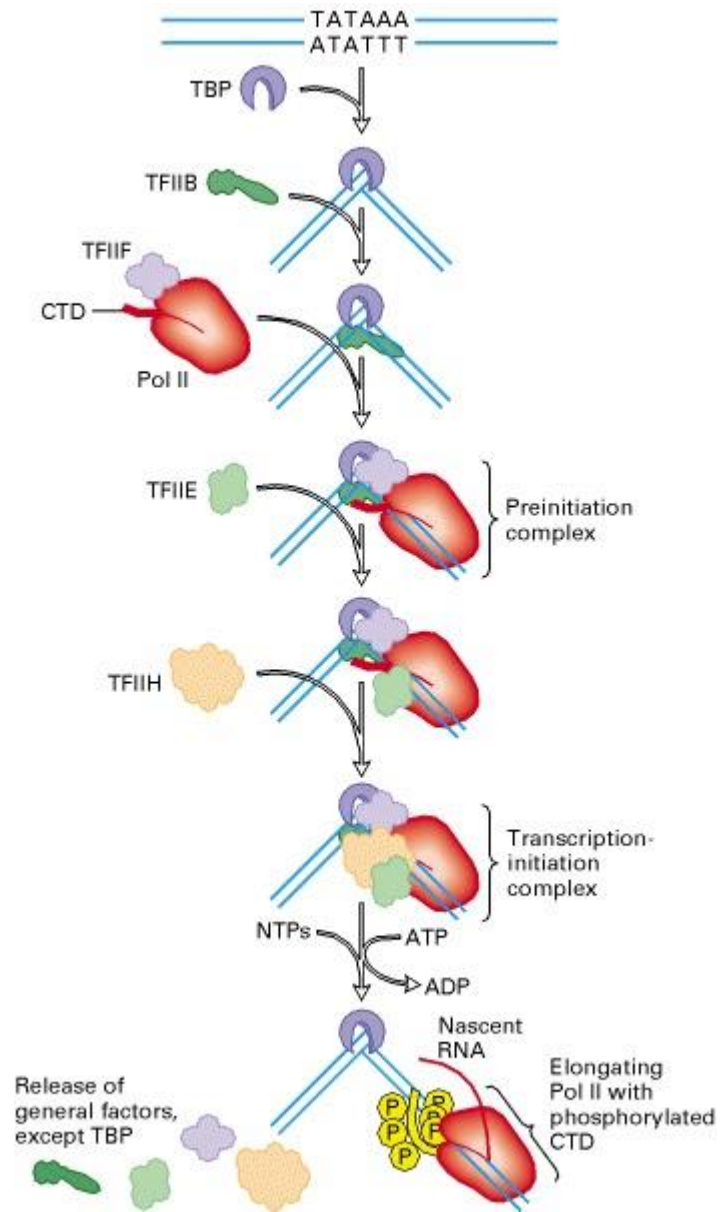


Transcription termination (转录终止)

Assembly of Basal PIC (基础PIC的组装)



基础转录起始复合体PIC的组装和转录起始

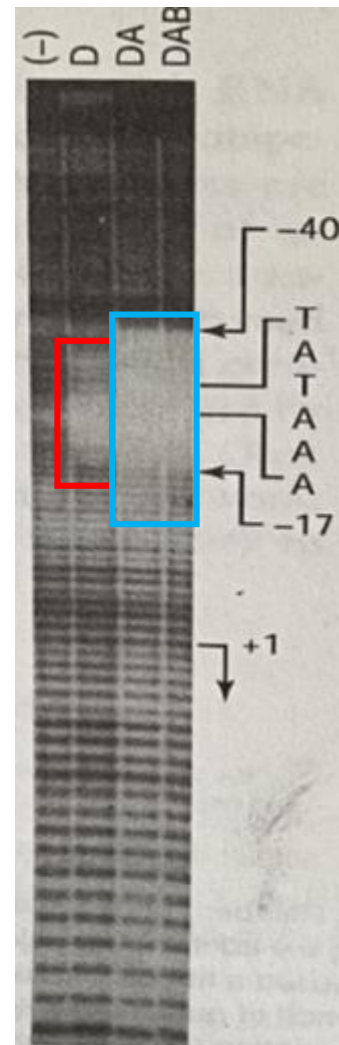


TFIID, TFIIA
TFIID — - || — TFIID, TFIIA, TFIIB



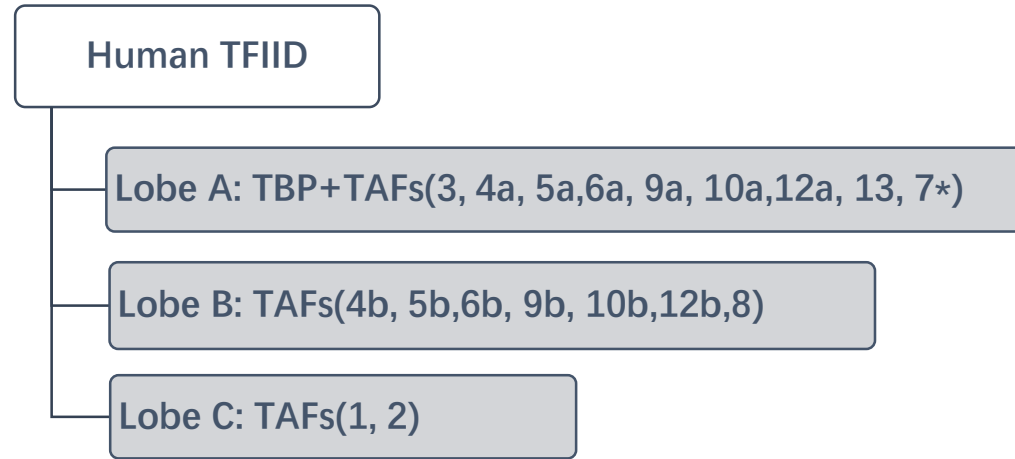
Template strand

TFIID, TFIIA
TFIID — - || — TFIID, TFIIA, TFIIB

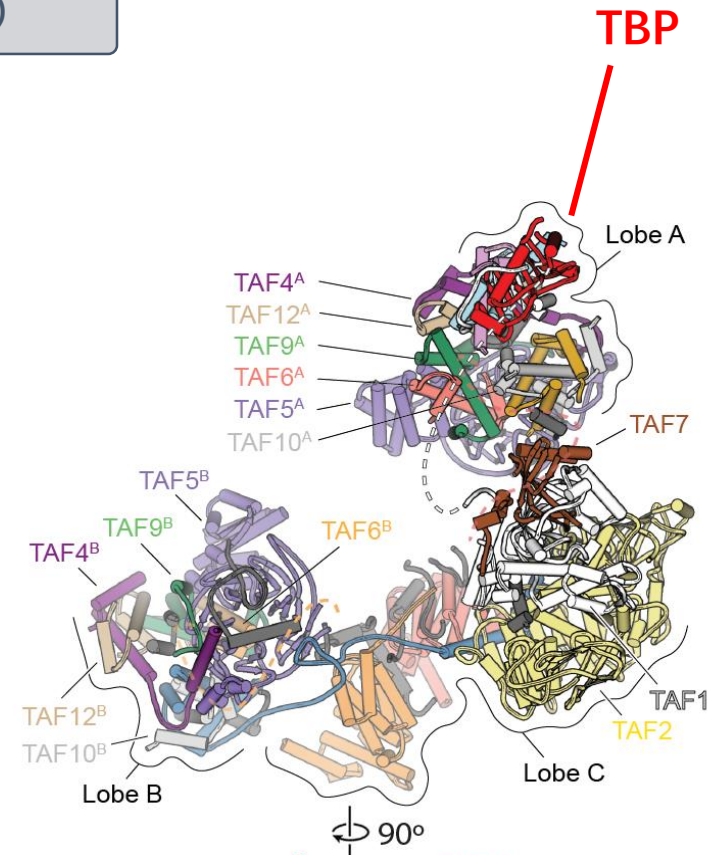
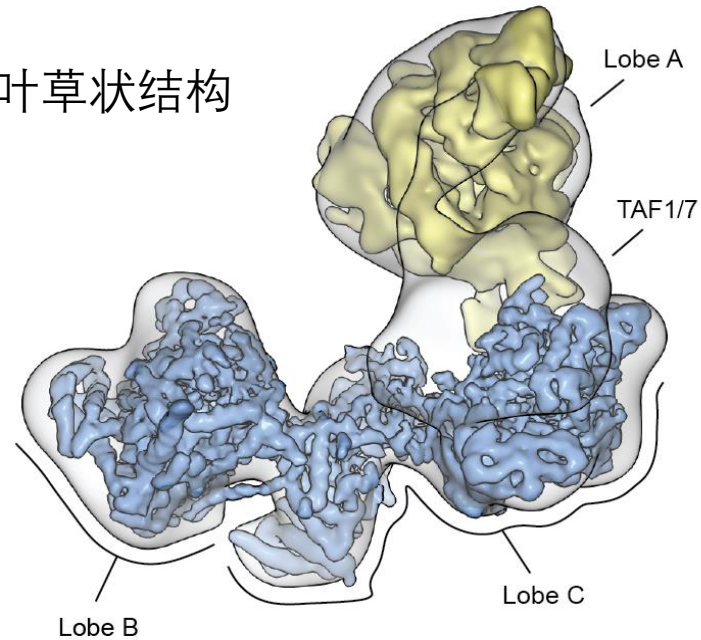


Nontemplate strand

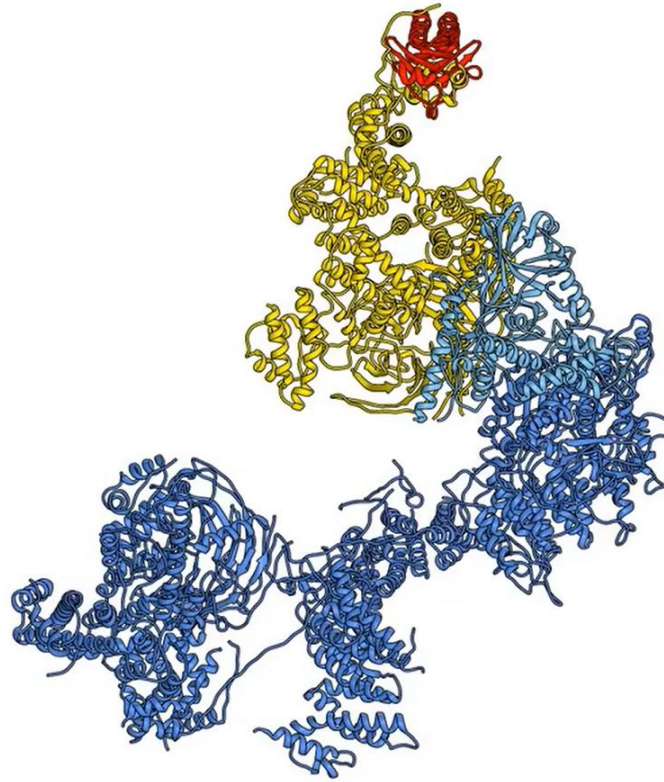
转录起点

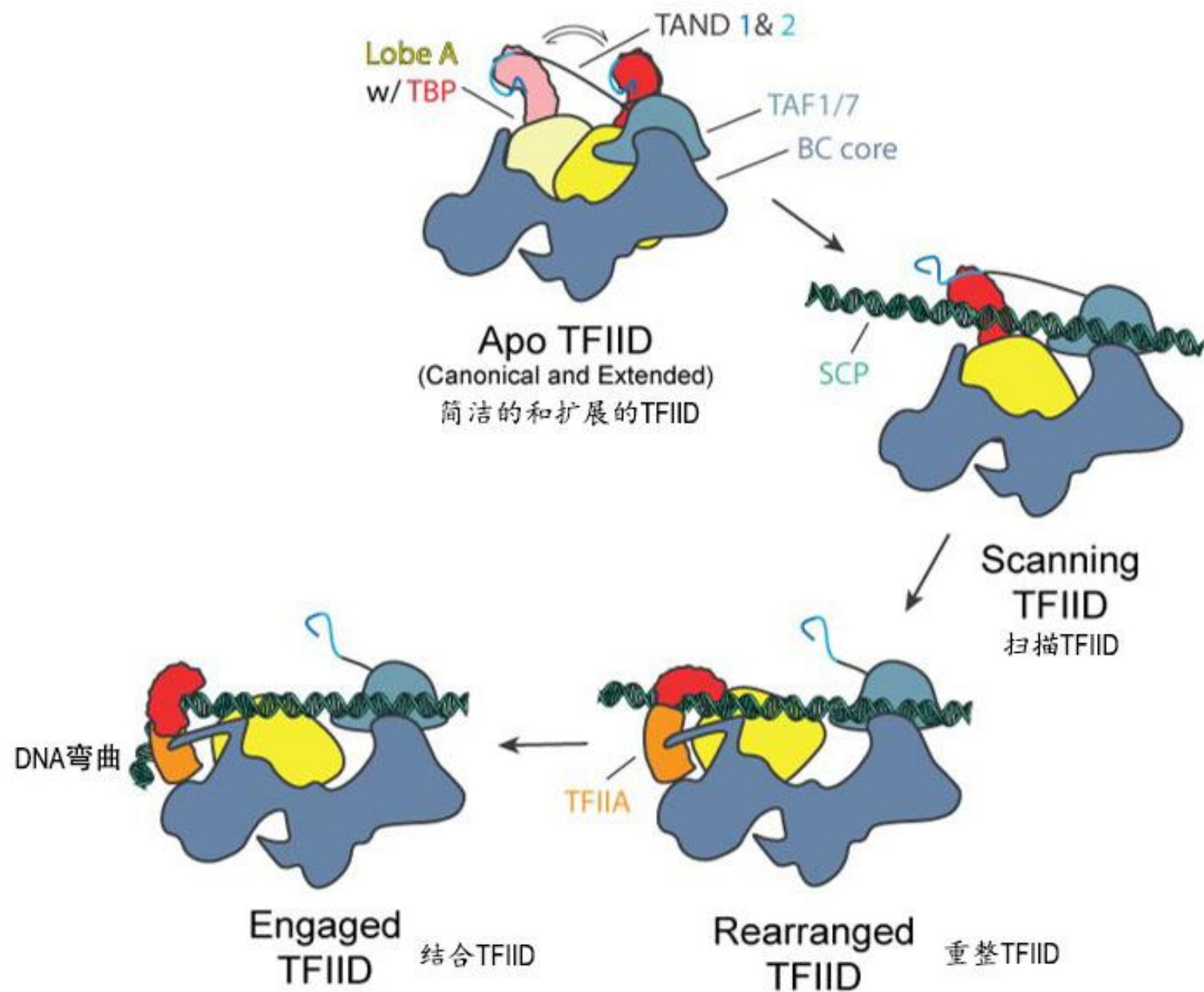


三叶草状结构

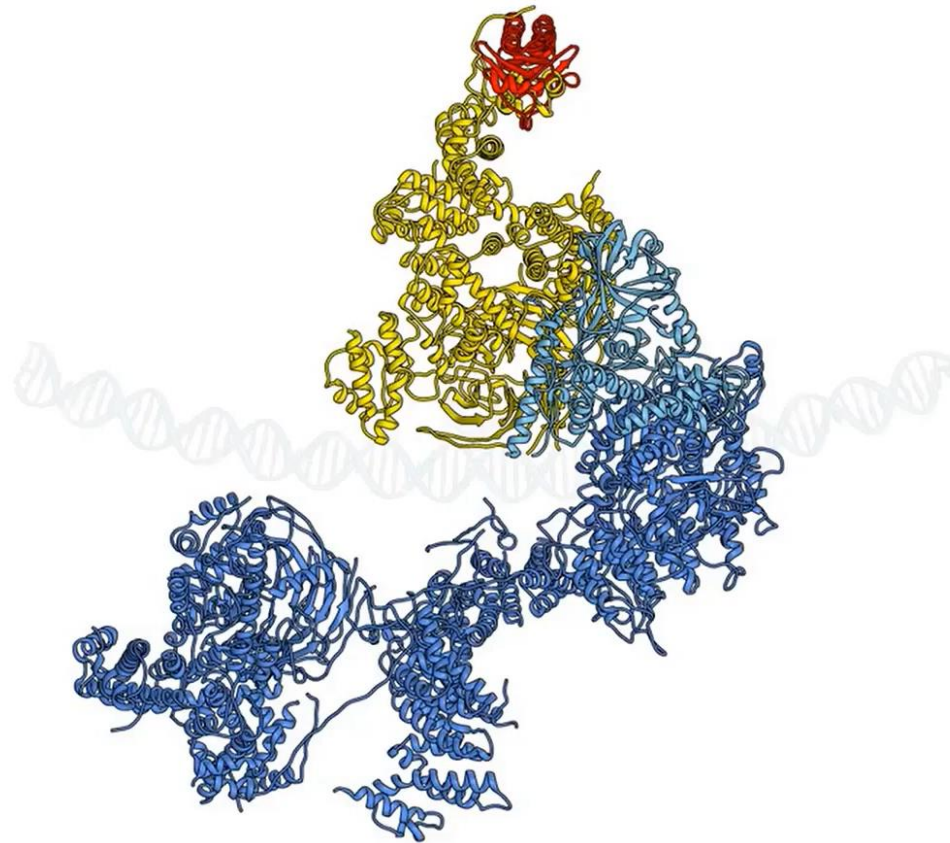


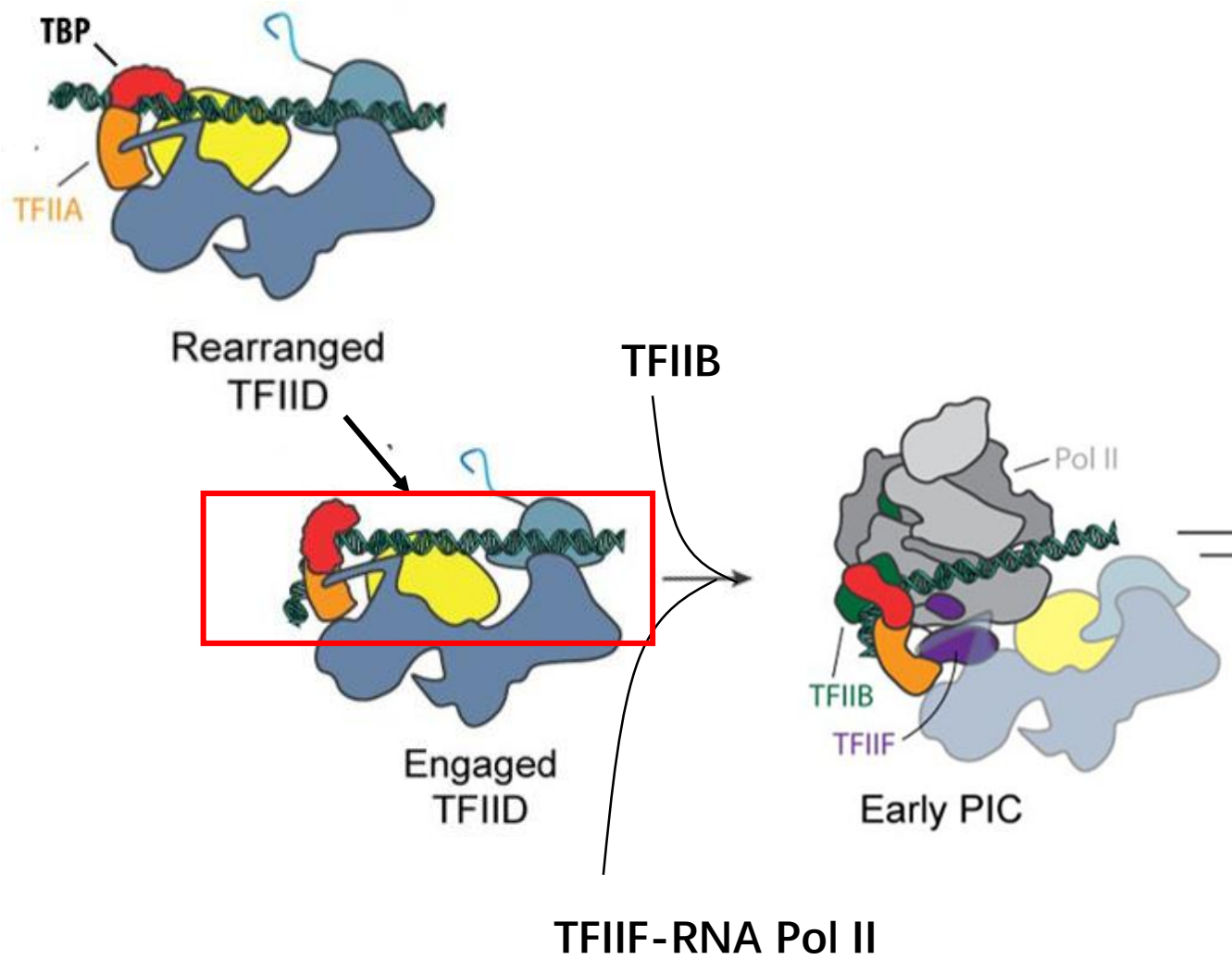
TBP的移动

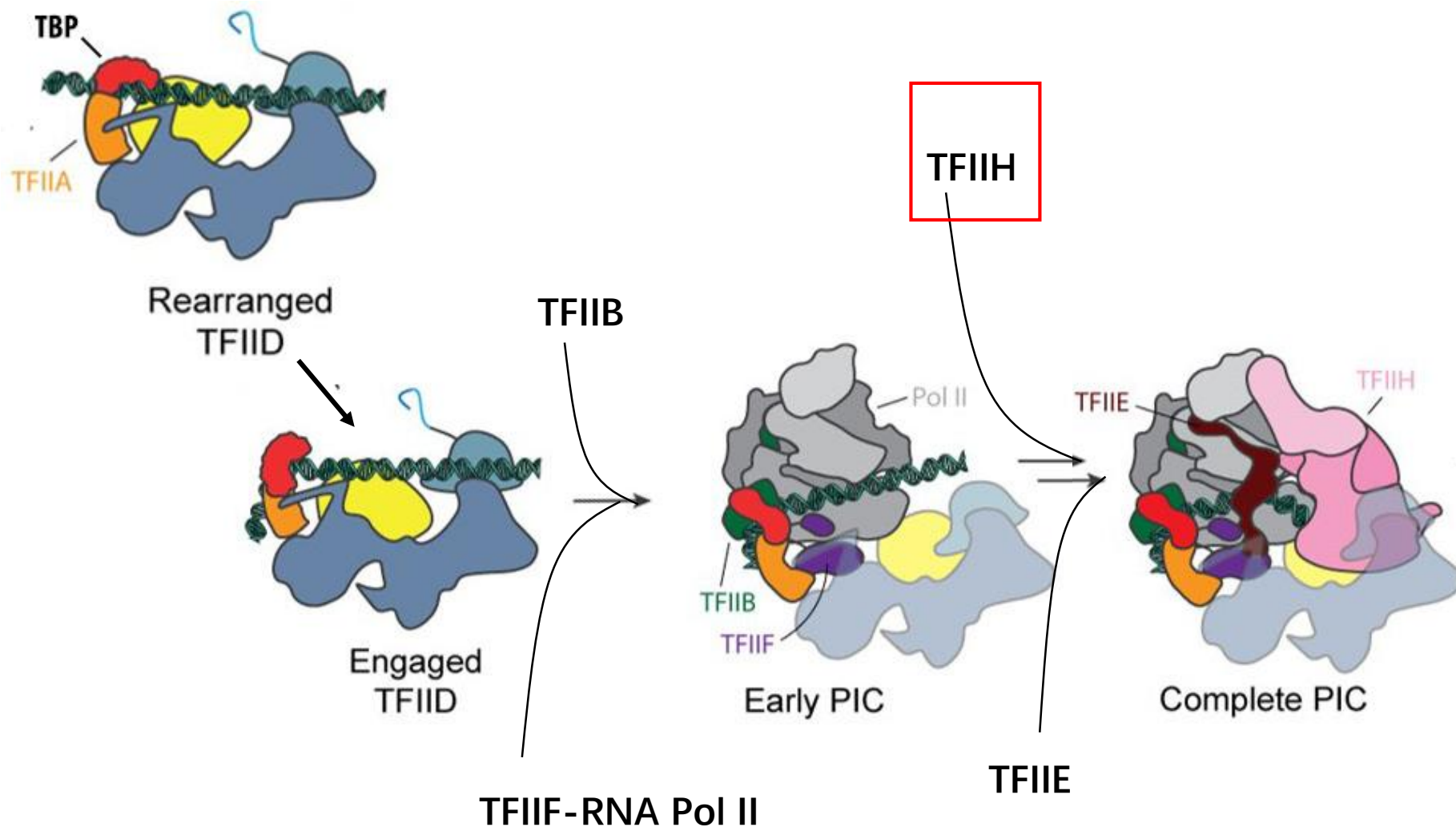




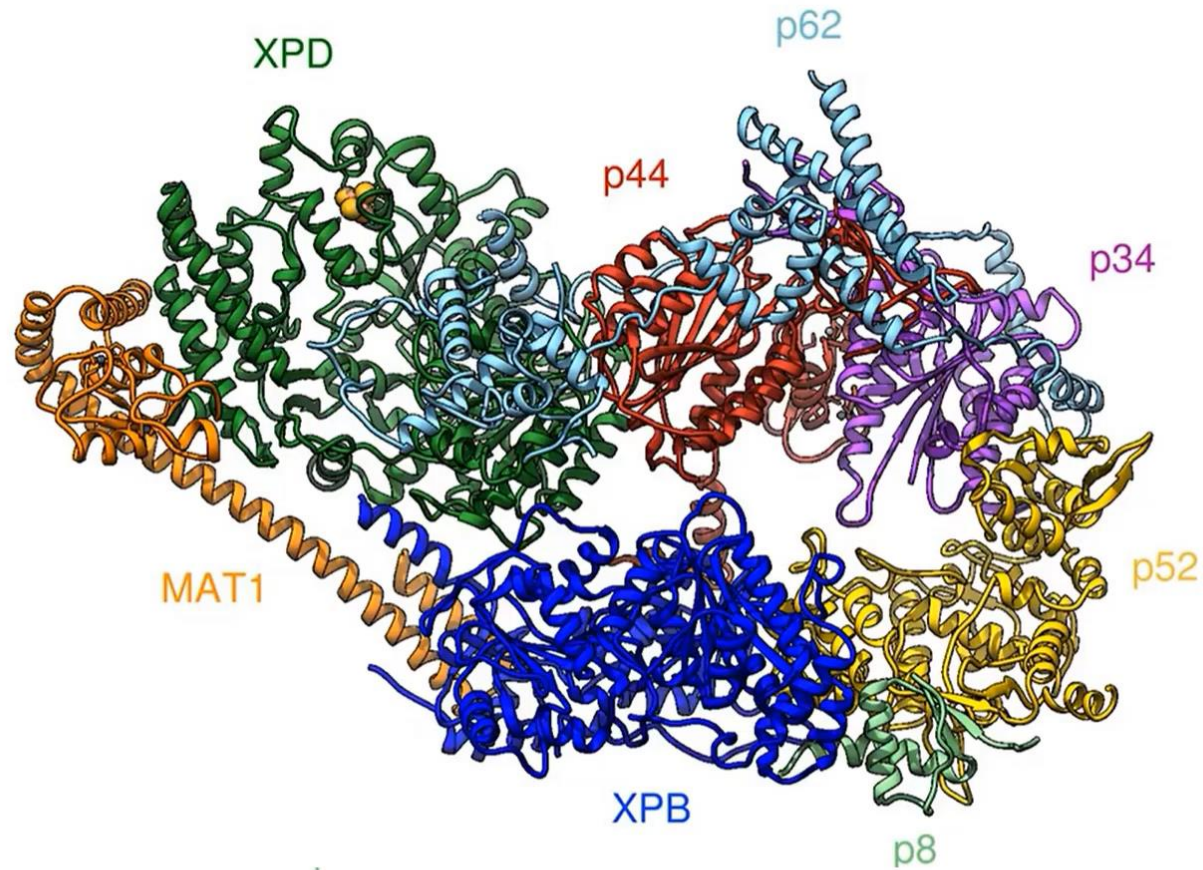
TFIID扫描DNA → 识别TATA box → 招募TFIIA



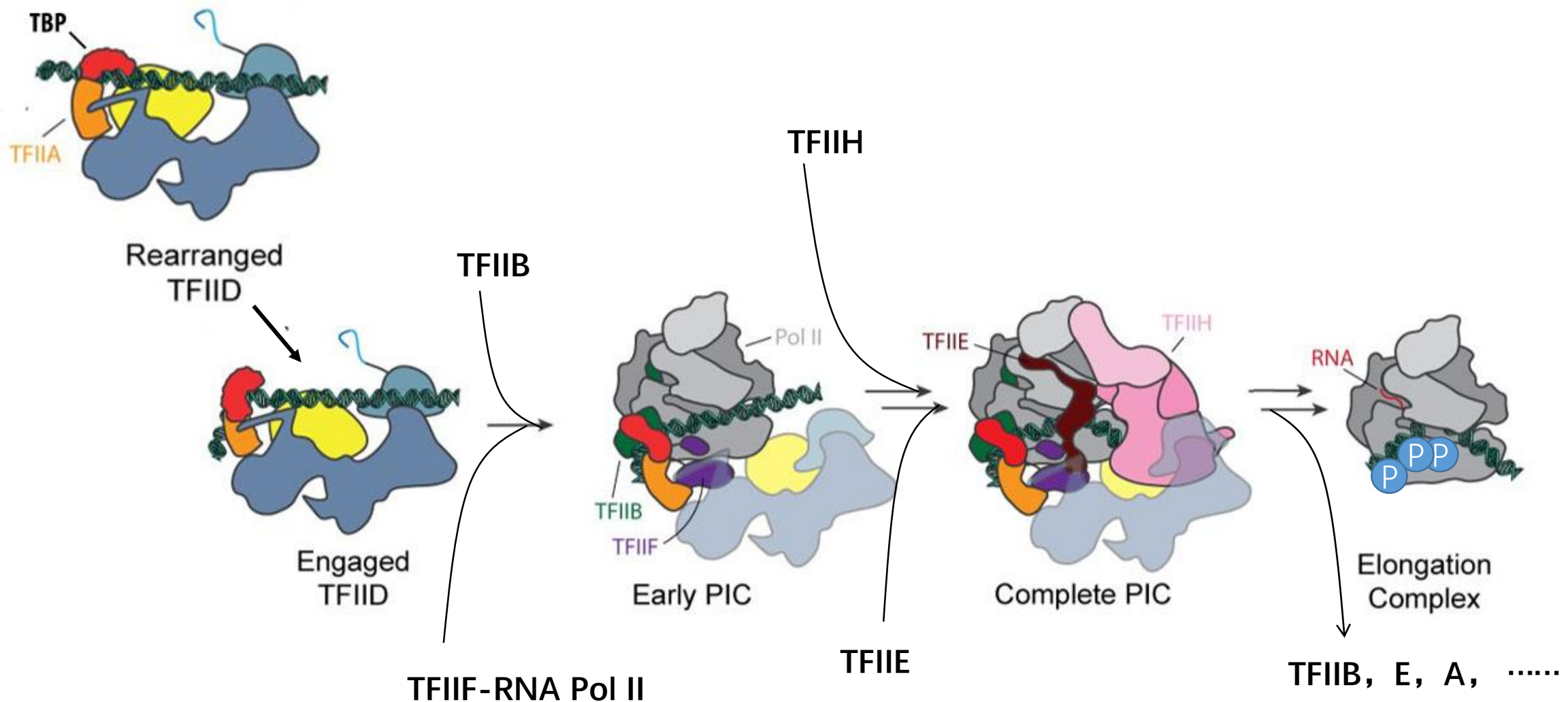




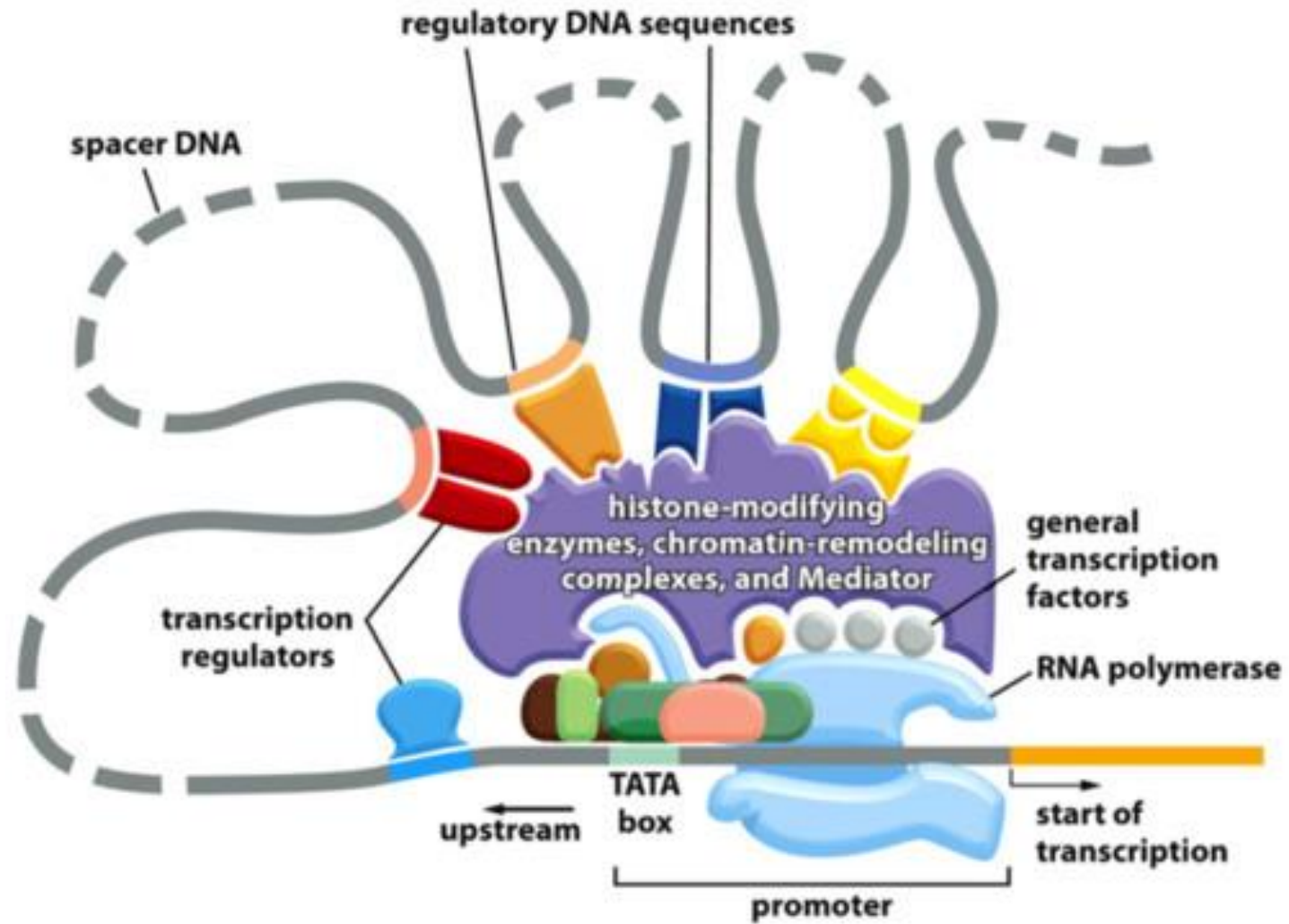
人TFIIH的结构



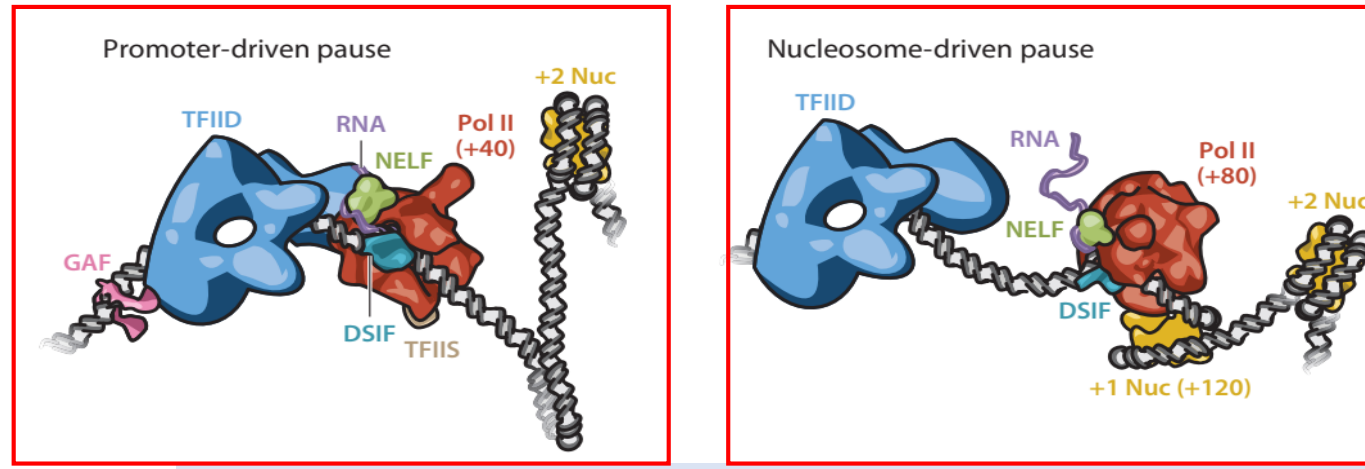
Overall architecture of TFIIH



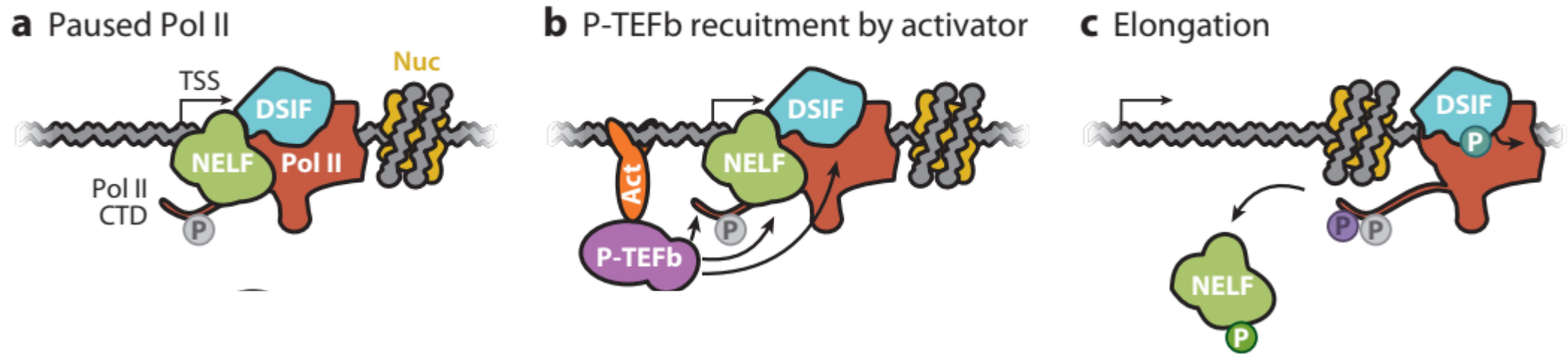
启动子逃离，进入延伸
Promoter escape into transcription elongation



Activated PIC

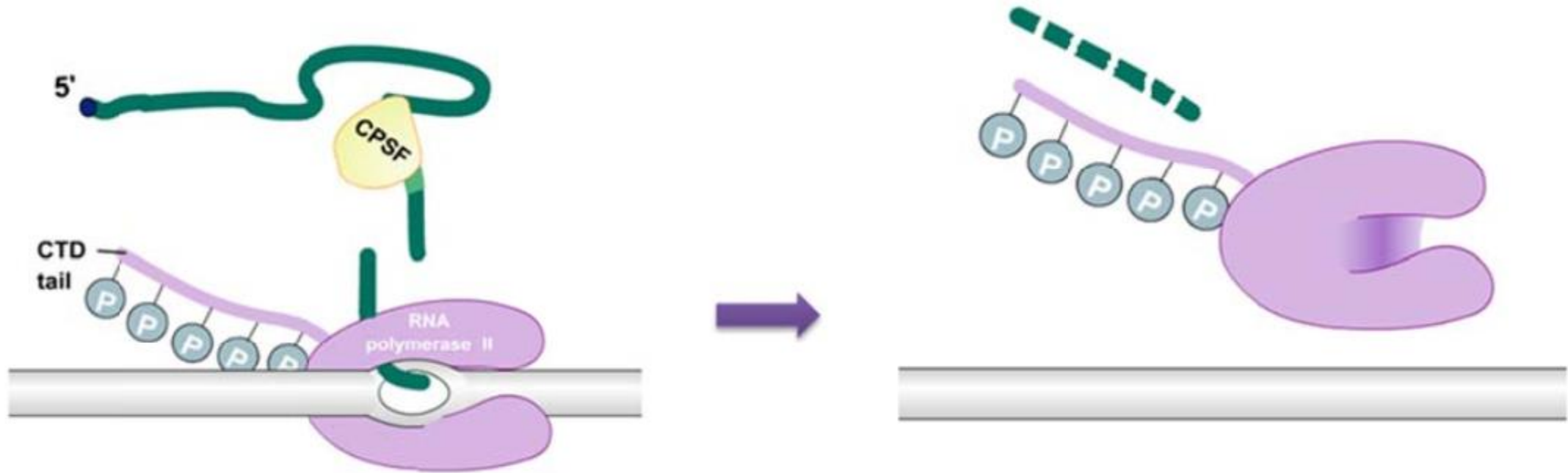


Promoter-proximal pausing (启动子近侧的转录暂停)

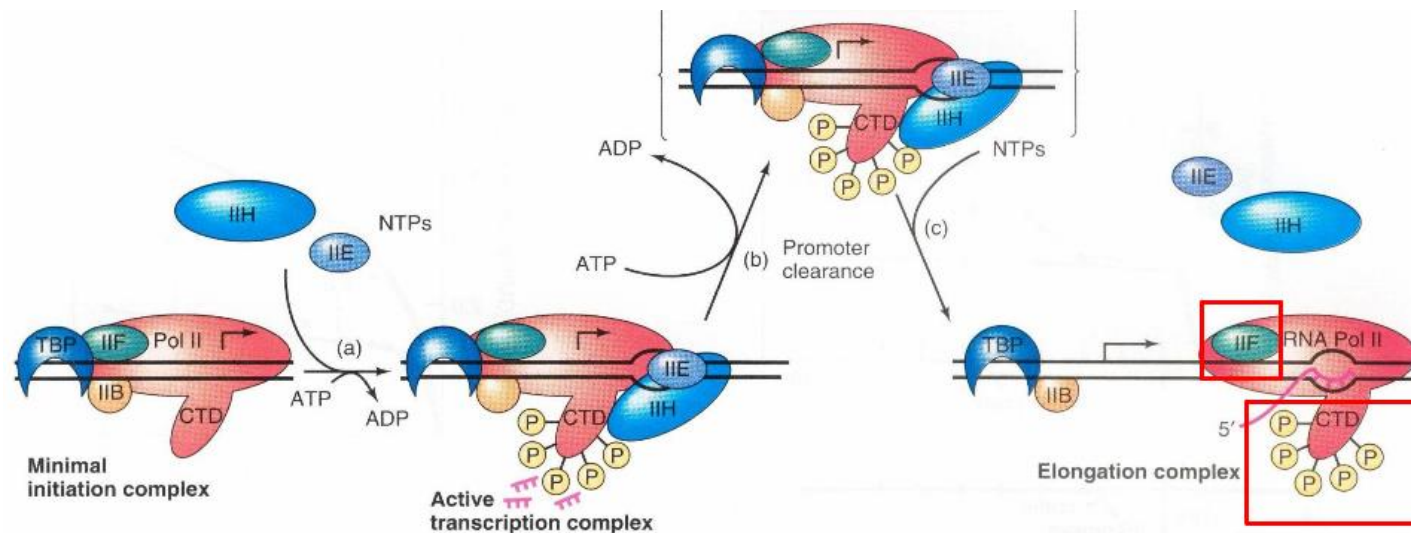


Release from the Promoter-proximal pausing and Escape into productive elongation by P-TEFb factor (越过转录暂停进入延伸的模型之一)

转录终止 Termination of transcription

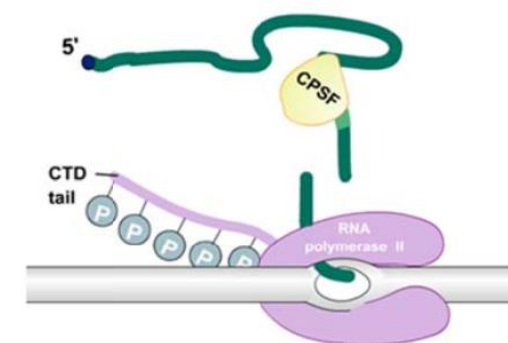


Promoter clearance/escape (启动子清除/逃离)



Assembly of Basal PIC
(基础PIC的组装)

Transcription elongation
(转录延伸)



Transcription termination
(转录终止)