

BRIAD DONAHUE

SII Cleavage

- allows RNA pol II to read thru pauses
- nascent cleavage required
- cleavage inhibited by α -amanitin

GCCAA^TTGGG
 CCGTAAAGC

① MAKE TEMPLATE



② TRANSCRIPTION

- ⓐ label 5' end
- ⓑ add heparin (inhibits initiation)
- ⓒ continue tx
- ⓓ

RESULTS

- ① \hat{IT} blocks tx. only when on txs
- ② **SII** addition leads to cleavage
 - readding NTPs allows elongation to dimer
- ③ pol II blocks CPD from photoreactivation
- ④ TFIIH ...

Why TFIIH MUTANTS

