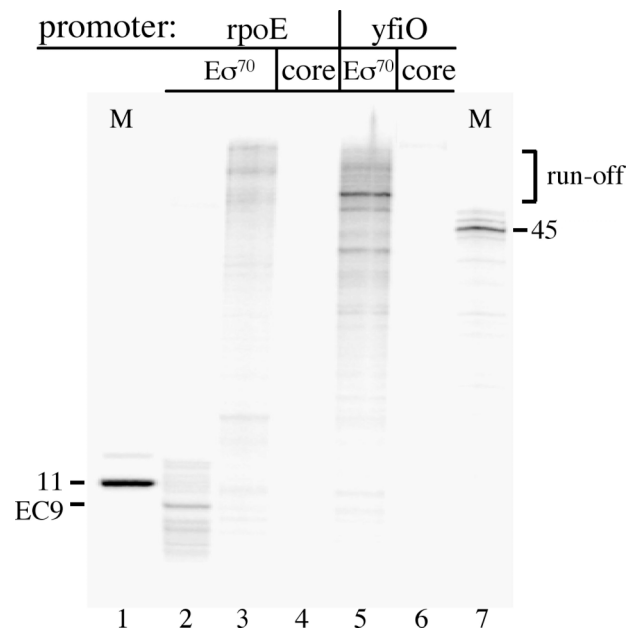


## Supplementary Figure 4



**Supplementary Figure 4** Transcription from  $\sigma^E$  promoters by  $E\sigma^{70}$  *in vitro*. Autoradiogram demonstrates full size [ $^{32}P$ ]RNA run-off products (lanes 3 and 6) from reconstituted transcription reactions (see Material and Methods). RNAP core was mixed with a 3 fold molar excess of  $\sigma^{70}$  and all four NTP substrates. The reaction was initiated by adding excess of the DNA template (a PCR fragment with the indicated promoter) and carried out for 5 min at 37 °C. ATP was missing from the initiation reaction (lane 2) to obtain the promoter proximal elongation complex (EC). Markers are prepared by RNAP walking on *T7A1* template with  $E\sigma^{70}$ .