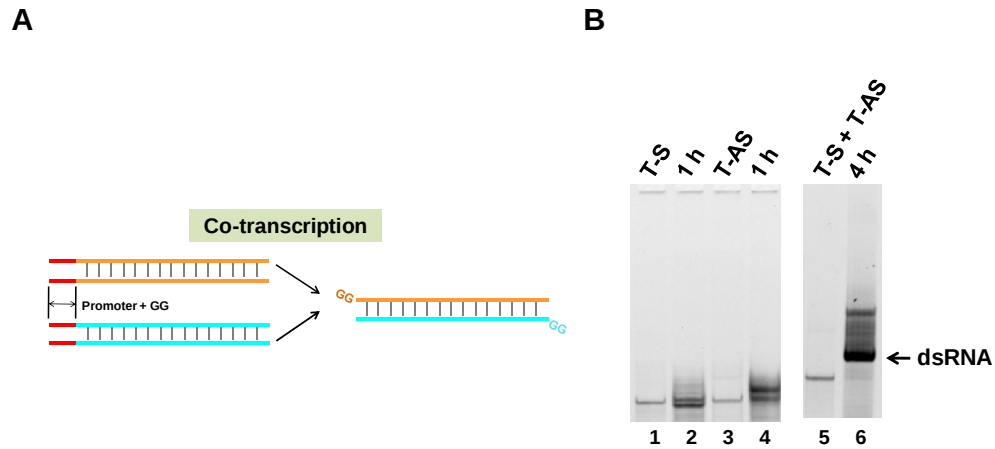


Supplemental_figure_S13



Co-transcription using two linear dsDNA templates with a promoter. A) Scheme of the co-transcription. At the initiation site, two G was set to promote the transcription. B) DsRNA preparation using co-transcription (10% PAGE). Lanes 1 and 3: “T-S” and “T-AS”, respectively; Lanes 2 and 4: transcripts of “T-S” and “T-AS”, respectively, 37°C for 1 h; Lane 5: the mixture of “T-S” and “T-AS”; Lane 6: the co-transcriptional products. Transcription conditions: [Template] = 25 nM (the concentration of both “T-S” and “T-AS” are 25 nM), [NTP]_{each} = 2 mM, [T7 RNAP] = 2 U/μL, [RNase Inhibitor] = 2 U/μL, [RNase H] = 0.25 U/μL, 37°C for 4 h.