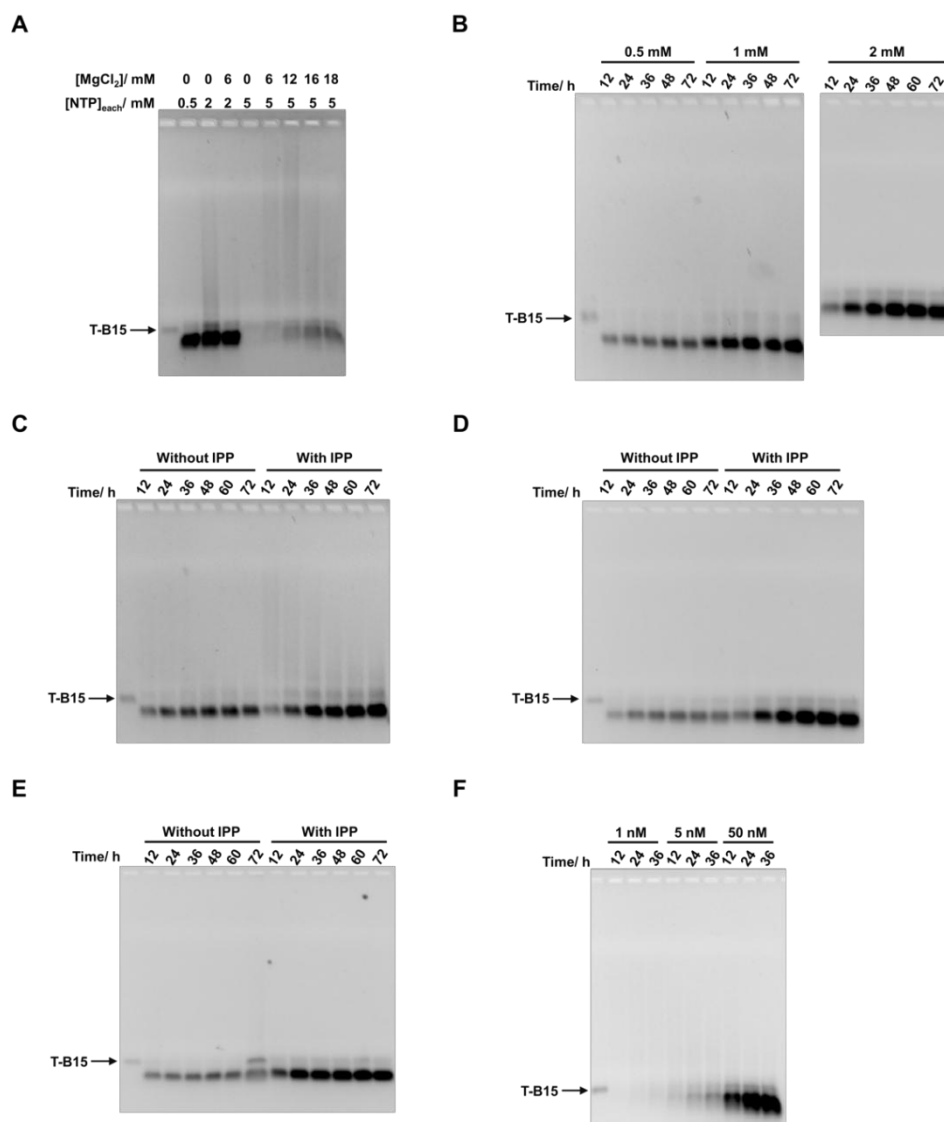


Supplemental_figure_S5



Electrophoresis results for Fig. 3B, C analyzed by 1% agarose. A) The effects of Mg^{2+} ions on pfRCT. [T-B15] = 50 nM, [NTP]_{each} = 0.5/2/5 mM, 1× T7 RNAP buffer (containing 6 mM Mg^{2+}), extra $MgCl_2$ was added into the reaction system, 37°C for 4 h. B) Time-courses of pfRCT under various NTP concentrations. [T-B15] = 50 nM, with IPP (1 U/mL), [NTP]_{each} = 0.5/1/2 mM. C), D) and E), time-courses of pfRCT under various template concentrations, with/without IPP. [NTP]_{each} = 2 mM, [IPP] = 0/1 U/mL. In C), D) and E), [T-B15] = 10, 50 and 100 nM, respectively. F) Time-courses of pfRCT without IPP under various template concentrations (1/5/50 nM), [NTP]_{each} = 2 mM.