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(54) **Title**: T7 RNA POLYMERASE VARIANTS WITH EXPANDED SUBSTRATE RANGE AND ENHANCED TRANSCRIPTIONAL YIELD

(57) **Abstract**: Disclosed are T7 RNA polymerase variants with enhanced transcriptional activity. T7 RNA polymerase variants are known which have the ability to incorporate modified ribonucleotides into growing RNA molecules. However, these variants have relatively low levels of transcriptional activity. Presented herein are mutations that increase the transcriptional activity of the variants with broad substrate range.