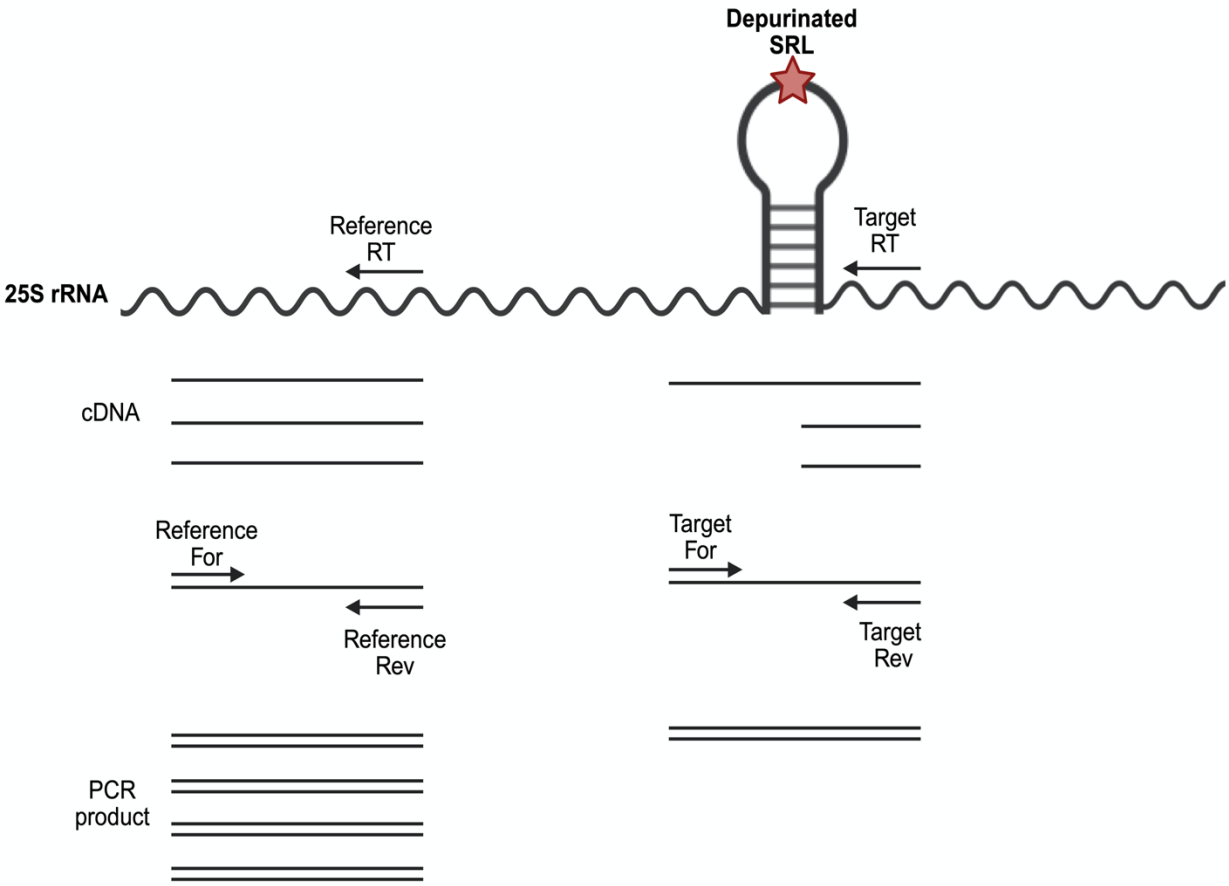

Supplemental Figure S1. Overview of the RT-qPCR based method to measure rRNA depurination levels. The primer locations for the quantification of reference and target 25S rRNA are indicated. 25S rRNA depurination halts reverse transcription (RT) with the Target RT primer at the abasic site, resulting in fewer full-length cDNAs and corresponding lower levels of PCR product during amplification by the primers Target For and Target Rev. RT of reference rRNA using the Reference RT primer results in full-length cDNAs as this portion of rRNA is not depurinated. Therefore, amount of reference PCR product is used as a baseline for relative comparison to the SRL depurination site (Target).