Cell Free reaction for sensor screen

Goal: screen the working TSM sensors (156 & 62) against unspecific Taenia RNA and specific target.

Preparing Dilutions and Tubes :

Dilute sensor DNA to a concentration of 12 nM (3nM per well)
TSM 156: 10µl DNA + 5,75µl H2O
TSM 62: 10µl DNA + 7,6µl H2O

Prepare **RNA samples:**
R1: Taenia control RNA
1µl RNA (300ng/uL) + 49µl H2O
after taking out 2µl dilute with 48µl H2O

RT1: Taenia control RNA + TSM RNA (if 1µl is added to 6µl CFE it amounts to 3000nM in the final solution)
2µl of 4100ng/µl TSM RNA aliquot + 2µl of **R1**

C: H2O
Assemble Cell free reactions System (PurExpress, NEB) in **Tube C** (according to the manufacturer's protocol but with $1/10^{th}$ of the volume):

SolA	20.4
SolB	15.6
RNAsin	2
Dye	2

Transfer 6µl of C to R1
add 1µl of R1-RNA
Transfer 6µl of C to RT1
add 1µl of RT1-RNA