

Parental Probe/s
From 2nd Screening Round



3rd Screening Round: Sequence preference optimization

Goal



Assess variations in the sequence

Design



Based on the parental probe from the previous screening round:

Design oligonucleotide probes with different number of chemically modified purines and pyrimidines to evaluate the influence that the number of nucleoside analogs has in probe degradation

Protocol/Procedure



Test the degradation efficiency of the probe derivatives



Culture bacteria



Collect supernatants



Perform nuclease activity assay



Analyze the data

Select the best candidate probe/s for the next screening round

