Basecall with Guppy

AGTCCCTGAATCGA

minimap2

chr	position	kmer	signals
chrI	73384	AGTCCC	91.2335, 83.9857
chrI	73385	GTCCCT	91.0628, 88.6728
chrI	73386	TCCCTG	94.0310, 92.0822

Align signal with nanopolish

91.2335
83.9857
91.0628
91.0628
88.6728
94.0310

Positive Control

Naked DNA + Angelicin

Negative Control

Naked DNA

Train model

Neural Network

Predict modification

0.78   0.41