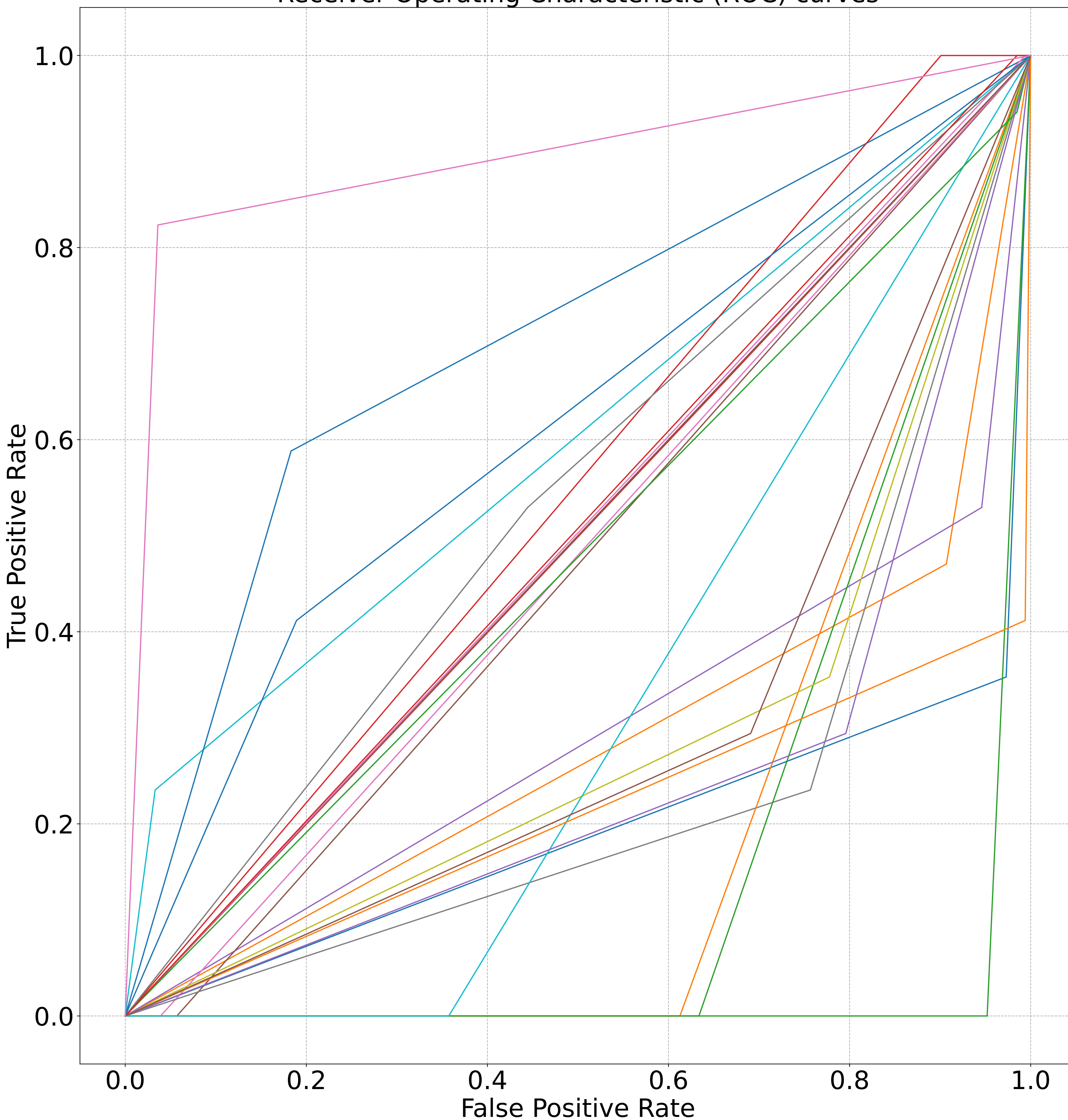


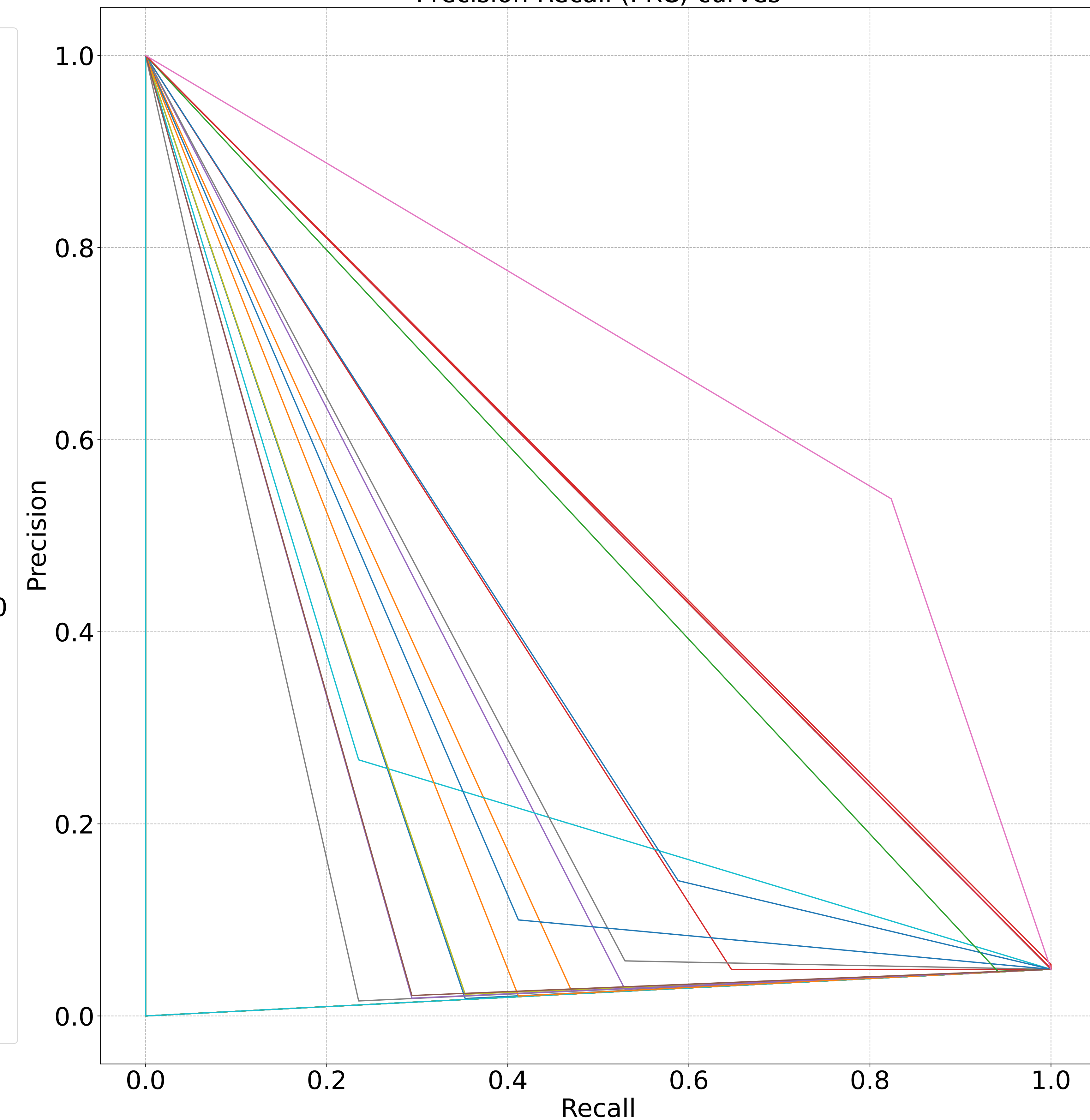
# DITTO Benchmarking for start\_lost

## Receiver Operating Characteristic (ROC) curves



- CADD = 0.19
- CSCAPE = 0.28
- ClinPred = 0.02
- DANN = 0.50
- DANN\_Coding = 0.29
- DGI\_score = 0.47
- FATHMM\_coding = 0.48
- Funseq2 = 0.24
- Linsight = 0.50
- LRT = 0.60
- Loftool = 0.70
- MetaSVM = 0.19
- MetaLR = 0.18
- MutPred = 0.55
- MutPred\_indel = 0.50
- Mutation\_Assessor = 0.50
- Mutation\_Taster = 0.50
- Provean = 0.54
- PHDSNPG = 0.29
- Revel = 0.32
- SIFT = 0.61
- VEST = 0.21
- dbSCSNV\_ADA = 0.48
- dbSCSNV\_RF = 0.51
- varity\_r = 0.25
- varity\_er = 0.30
- DITTO = 0.89

## Precision Recall (PRC) curves



- CADD = 0.04
- CSCAPE = 0.04
- ClinPred = 0.05
- DANN = 0.05
- DANN\_Coding = 0.04
- DGI\_score = 0.05
- FATHMM\_coding = 0.05
- Funseq2 = 0.04
- Linsight = 0.05
- LRT = 0.10
- Loftool = 0.10
- MetaSVM = 0.05
- MetaLR = 0.05
- MutPred = 0.05
- MutPred\_indel = 0.05
- Mutation\_Assessor = 0.05
- Mutation\_Taster = 0.05
- Provean = 0.05
- PHDSNPG = 0.04
- Revel = 0.05
- SIFT = 0.07
- VEST = 0.04
- dbSCSNV\_ADA = 0.05
- dbSCSNV\_RF = 0.05
- varity\_r = 0.04
- varity\_er = 0.04
- DITTO = 0.45