DITTO Benchmarking for complex_substitution Receiver Operating Characteristic (ROC) curves Precision Recall (PRC) curves CADD = 0.04CADD = 0.461.0 CSCAPE = 0.45CSCAPE = 0.04ClinPred = 0.50ClinPred = 0.04DANN = 0.52DANN = 0.04--- DANN Coding = 0.04 $DANN_Coding = 0.50$ $DGI_score = 0.49$ \longrightarrow DGI score = 0.04 0.8 0.8 FATHMM coding = 0.50 $FATHMM_coding = 0.04$ Funseq2 = 0.04Funseq2 = 0.43Linsight = 0.48Linsight = 0.04LRT = 0.50LRT = 0.04Loftool = 0.59Loftool = 0.05Rate 9.0 0.6 MetaSVM = 0.50MetaSVM = 0.04--- MetaLR = 0.04 MetaLR = 0.50MutPred = 0.04MutPred = 0.53 $MutPred_indel = 0.50$ --- MutPred_indel = 0.04 $Mutation_Assessor = 0.36$ — Mutation_Assessor = 0.03 0.4 $Mutation_{Taster} = 0.50$ $Mutation_Taster = 0.04$ --- Provean = 0.04Provean = 0.51PHDSNPG = 0.53PHDSNPG = 0.04—— Revel = 0.50—— Revel = 0.04--- SIFT = 0.50 --- SIFT = 0.04 0.2 0.2 VEST = 0.50---- VEST = 0.04 --- dbSCSNV_ADA = 0.50 --- dbSCSNV_ADA = 0.04 --- dbSCSNV_RF = 0.04 --- dbSCSNV_RF = 0.50 --- varity_r = 0.04 - varity_r = 0.50 --- varity_er = 0.04 --- varity_er = 0.50 0.0 DITTO = 0.83DITTO = 0.220.0 0.2 0.0 8.0 8.0 0.2 0.4 0.6 1.0 0.6 1.0 False Positive Rate Recall