

Noise-Resistant Training for Sequence-to-Expression Models

Systematic Evaluation of 74 Models on CAGI5 Clinical Variant Benchmark

Including Both Spearman and Pearson Correlations

74

Models
Trained

11

Method
Categories

+1.2%

Best CAGI5
Improvement

-0.088

Best Noise
Correlation



Rank Stability (RS)



Distributional (DH)



Noise Gated (NG)



Contrastive (CA)



Quantile Sampling (QS)



Curriculum (QC)



Hard Negative (HN)