

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)

 Quantile Sampling (QS)

 Distributional (DH)

 Curriculum (QC)

 Noise Gated (NG)

 Hard Negative (HN)

 Contrastive (CA)