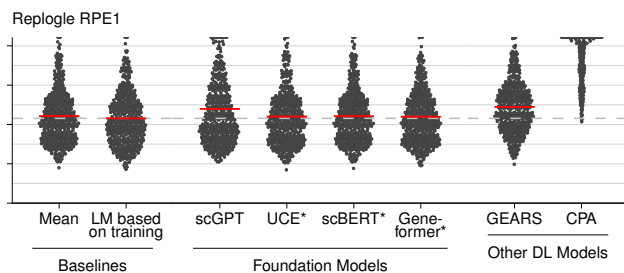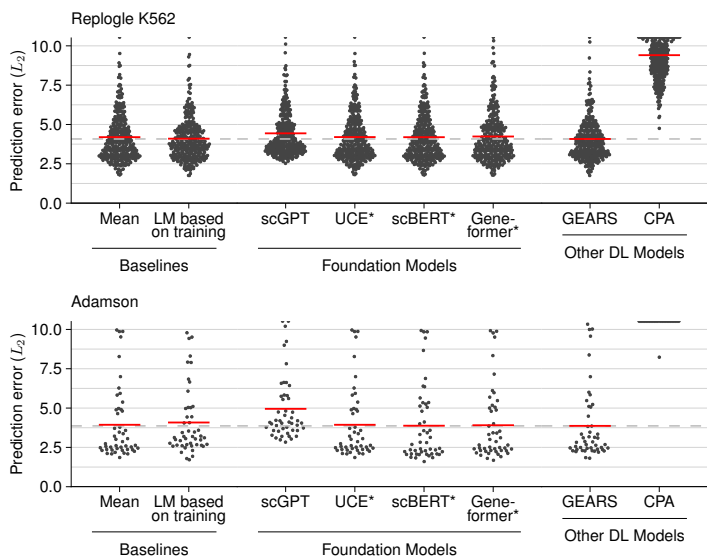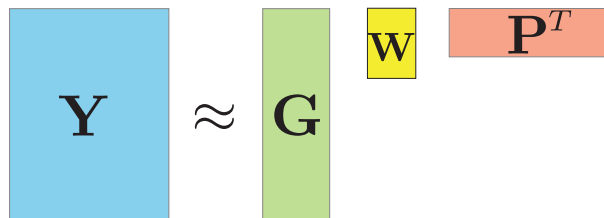**(A) Single perturbation prediction error**

(B) LM with fixed gene (G) or perturbation (P) embedding

(C) Using pre-trained embeddings in the linear model