

Ablation	Pearson's R	RMSE (pK)	MAE (pK)
Standard	0.553 (\pm 0.0233)	1.11 (\pm 0.0309)	0.82 (\pm 0.0187)
No $L_{\Delta\Delta G}$	0.551 (\pm 0.0202)	1.12 (\pm 0.0248)	0.829 (\pm 0.0179)
No $L_{\Delta G}$	0.459(\pm 0.0238)	1.27(\pm 0.0289)	0.945(\pm 0.0182)
No L_{rotation}	0.556 (\pm 0.0188)	1.11 (\pm 0.0233)	0.819 (\pm 0.0162)
No $L_{\text{consistency}}$	0.536 (\pm 0.021)	1.14(\pm 0.0356)	0.842(\pm 0.0186)
No $L_{\Delta\Delta G}, L_{\text{consistency}}$	-0.0576 (\pm 0.136)	1.24(\pm 0.0143)	0.908(\pm 0.0144)
No $L_{\Delta G}, L_{\text{consistency}}$	0.456(\pm 0.0231)	1.28(\pm 0.0319)	0.95(\pm 0.0233)
Concatenation	0.554 (\pm 0.0134)	1.11 (\pm 0.0223)	0.821 (\pm 0.0174)
No Siamese Network	0.5(\pm 0.0347)	1.15(\pm 0.0362)	0.854(\pm 0.021)