



Figure 1: Additional hyperparameter sensitivity experimental results on different datasets.  $\alpha, \beta, \eta$  are the hyperparameters in  $\mathcal{L}_{all} = \beta(-\mathbf{ELBO} + \mathcal{L}_{sm}) + \alpha\mathcal{L}_y + \eta\mathcal{L}_{IPM}$ . The shaded area corresponds to  $\pm 1$  standard deviation computed over 5 different random seeds.