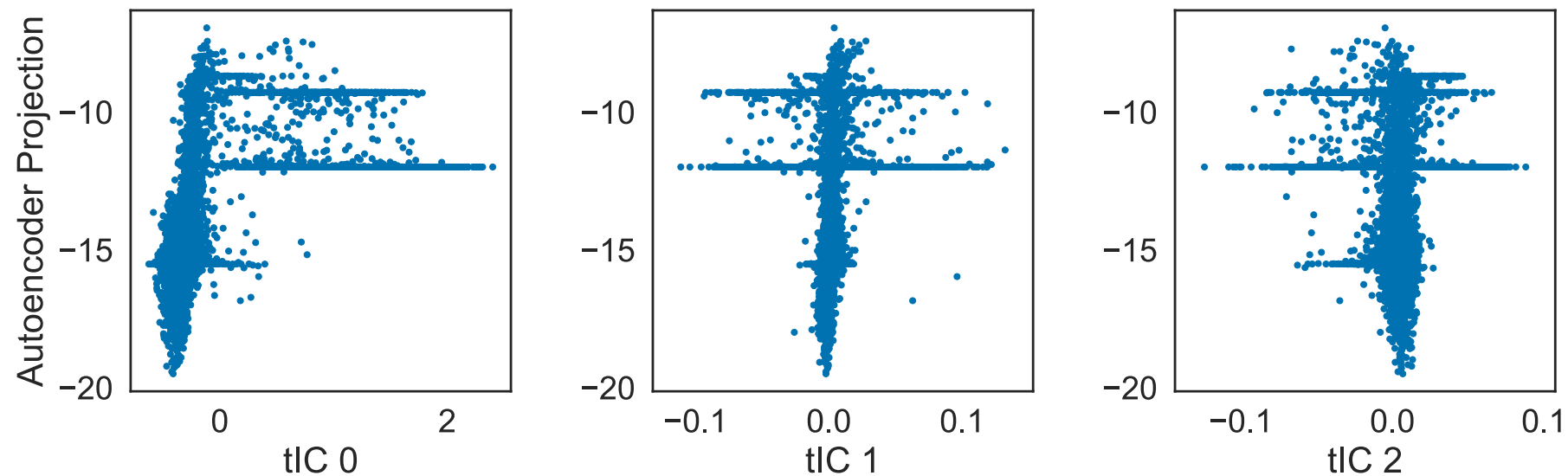Autoencoder latent space captures nonlinearity of first 2 tICs