



Figure 1: Visualization of the per-timestep leakiness predictions of ALL (ours) for varying hyperparameter  $\bar{\gamma}$ . Rows correspond to datasets and columns correspond to  $\bar{\gamma}$  settings, as indicated by the labels. Within each plot, the vertical axis denotes the per-timestep leakiness estimates from ALL, and the horizontal axis denotes the per-timestep leakiness estimates from the ‘omniscient’ signal to noise ratio measurement (roughly ‘ground truth’). *The ideal curve would be strictly increasing*, because this would correspond to perfect agreement between ALL and the ‘ground truth’ (we do not care about the shape of the curve). The oSNR metric is a scalar summary of these curves, defined as the Spearman rank correlation coefficient between the ALL leakiness estimates and the ‘ground truth’ leakiness estimates. Dots denote median and shading denotes min-max for each leakiness estimate, computed over 5 random seeds.