































































# **Reconstruction error** 1.0 0.9 8.0 φ 0 0.7 O.... 0.6 0..... Cosine similarity Pearson corr. 0.5 sample\_290 sample\_388 sample\_533 sample\_363 sample\_549 sample\_787 sample\_82 sample\_20 sample\_201 sample\_503 sample\_253 5 0.15 4 0.10 3 2 - 0.05 Euclidean dist / number of mutations KL divergence 1 0 -0.00 sample\_533 sample\_290 sample\_549 sample\_82 sample\_503 sample\_253 sample\_363 sample\_388 sample\_787 sample\_20 sample\_201 φ... 220 Ф..... 200 180 0.... 160 0.... 4 0... ....0 120 0..... .....0 9 sample\_533 🕂 sample\_388 sample\_549 sample\_82 sample\_787 sample\_20