## Performance of various ansatzes linear full pairwise 2 layers reverse linear circular 3 layers sca × 1.0 0.9 0.2 0.1 0.0 AQGD NFT SPSA SPSA BYLA MEAD WELL UMDA CENT NELDER MEAD Gradient Descent CG ADAM RAD GS BLOOP THE Gradient-free optimizers Gradient-based optimizers