ADAPT QAOA 2L **QAOA** 0.6 1.2 Mean(Grad) Mean(Grad) 10 10 1.0 0.5 8.0 0.4 0.6 0.3 0.4 0.2 0.2 0.0 100 25 50 75 0 25 50 75 100 0 Layers Layers ADAPT VQE 2L VQE 0.65 0.5 Mean(Grad) Mean(Grad) 10 10 0.64 0.4 0.63 0.3 0.62 0.61 0.2 0.60 0.1 0.59 2 3 5 200 300 400 1 0 100 4 Layers Layers