

A Combinatorial Search of Parameterized Quantum Circuit Learning for Chemical Applications

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Electronic Supplementary Information

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S1. Classical Function Fitting

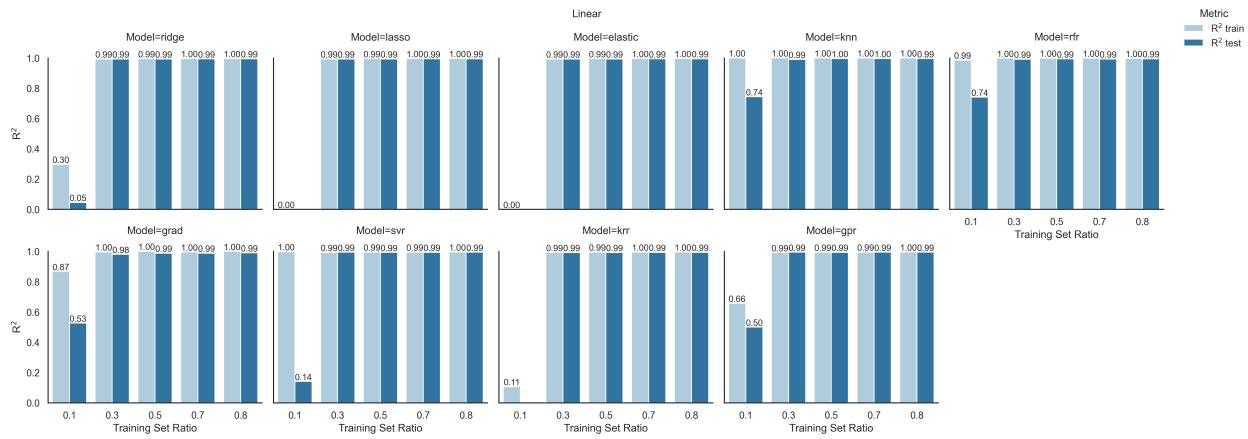


Figure S1: linear

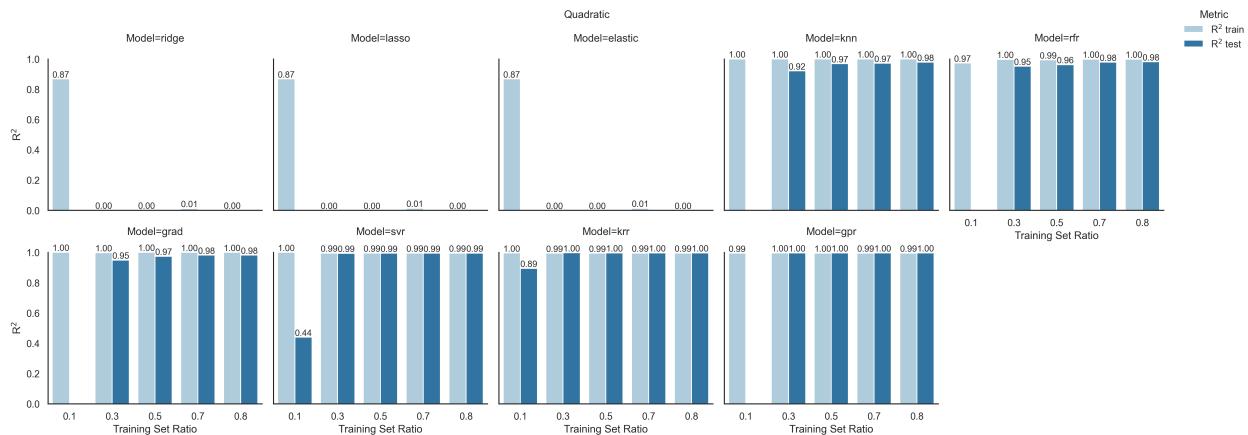


Figure S2: quadratic

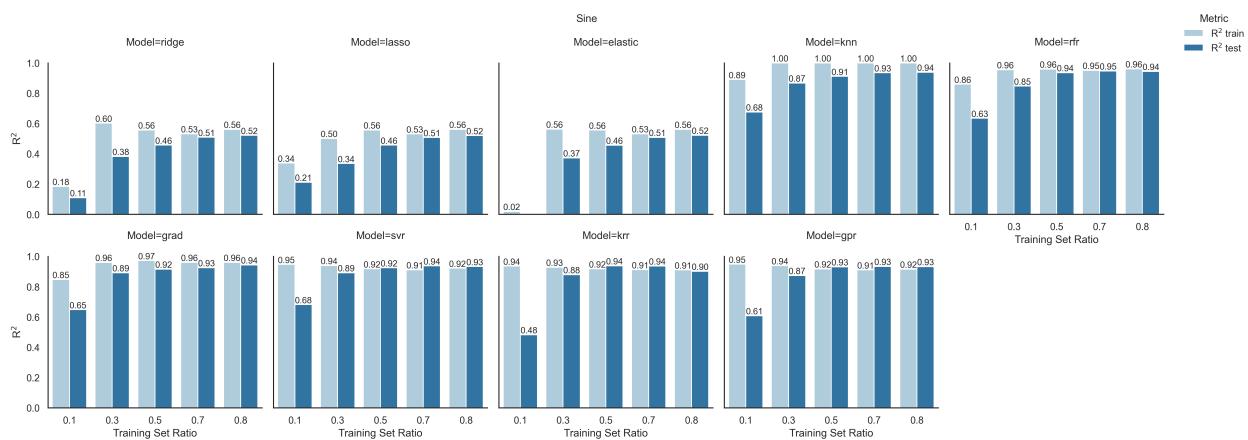


Figure S3: sine

S2. Simulator Function Fitting

5 Qubit Function Fitting

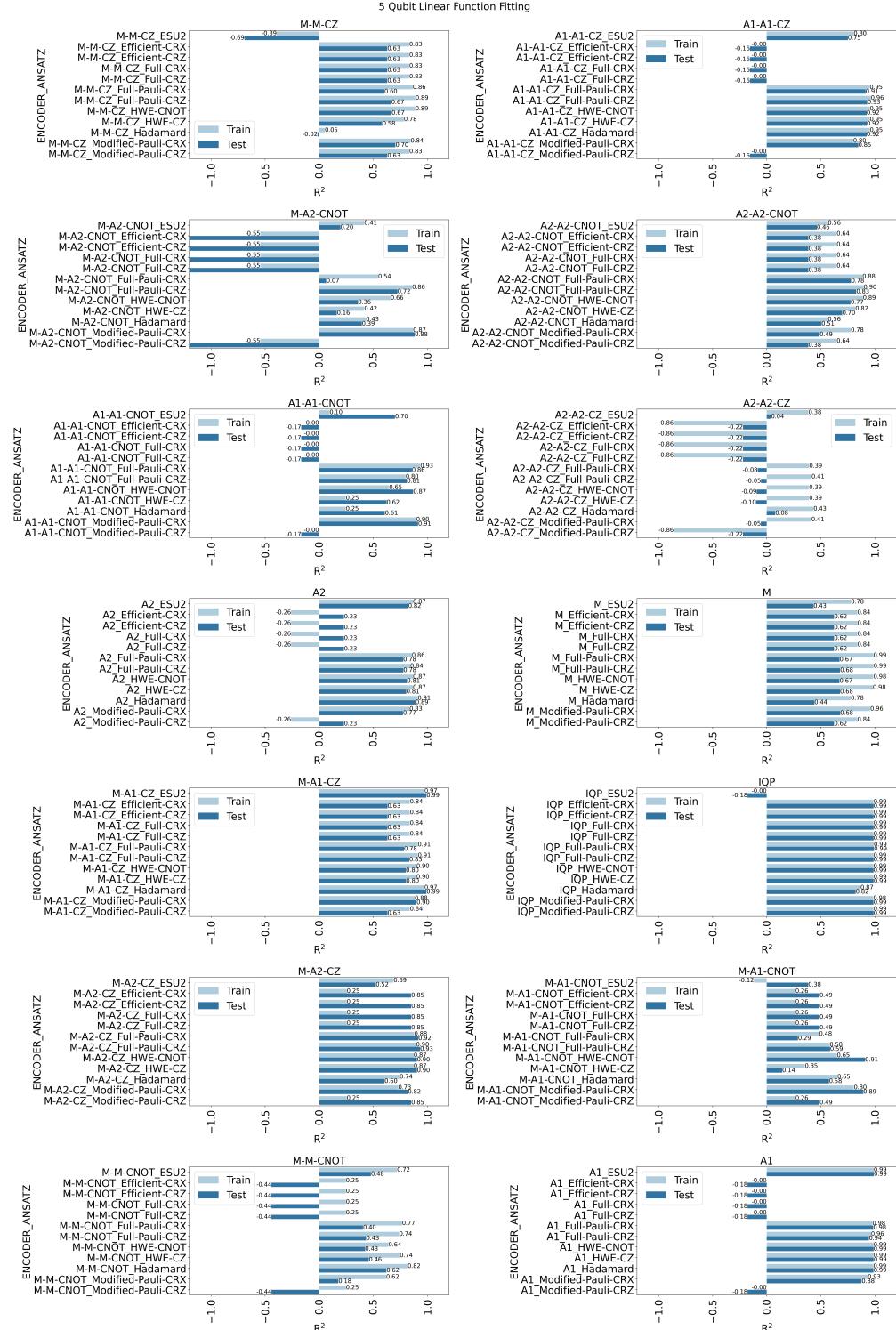


Figure S4: lin5qubits metric 0.8

5 Qubit Quadratic Function Fitting

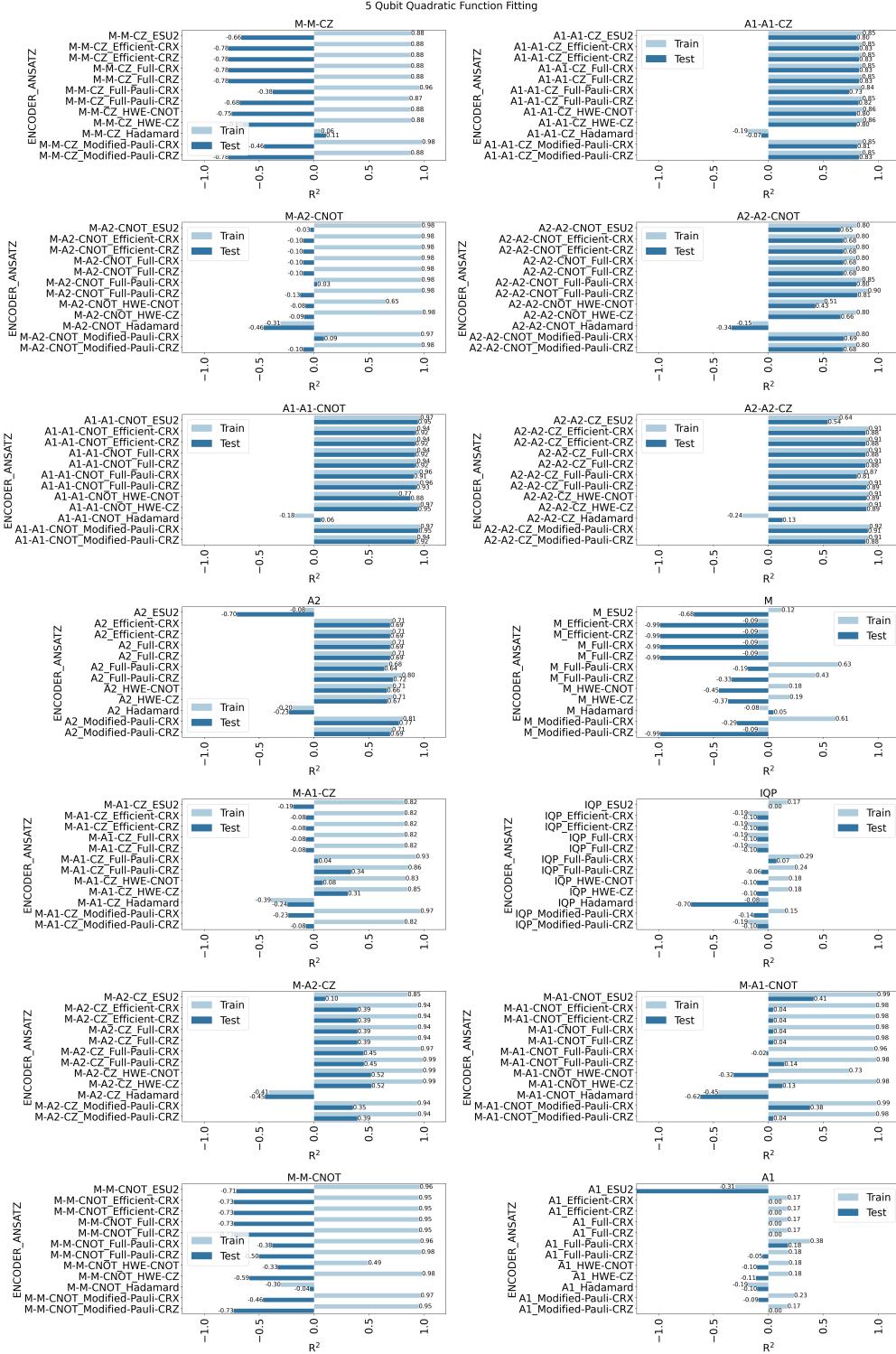


Figure S5: quad5qubits metric

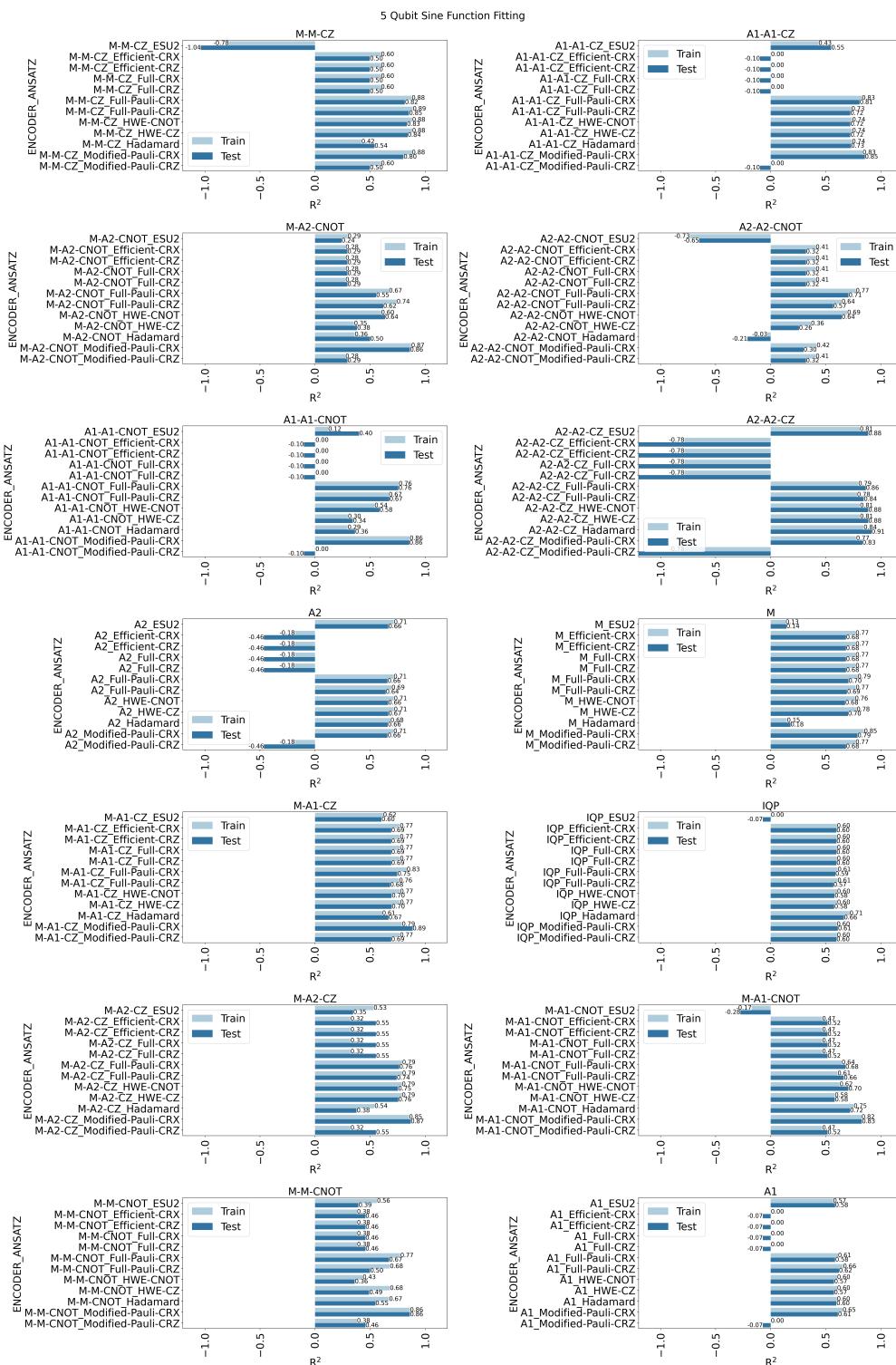


Figure S6: sine5qubits metric

16 Qubit Function Fitting

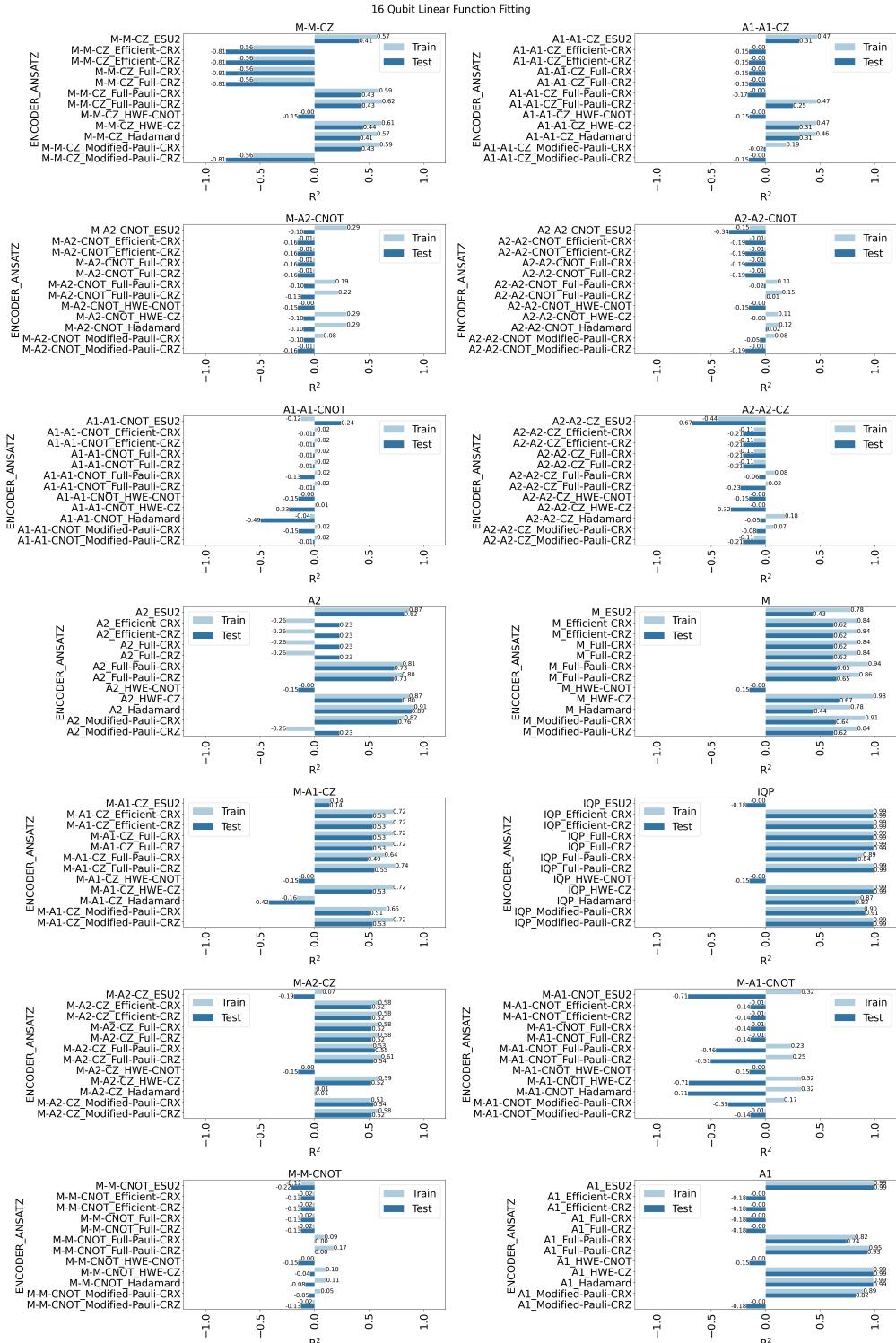


Figure S7: lin16qubits metric 0.8

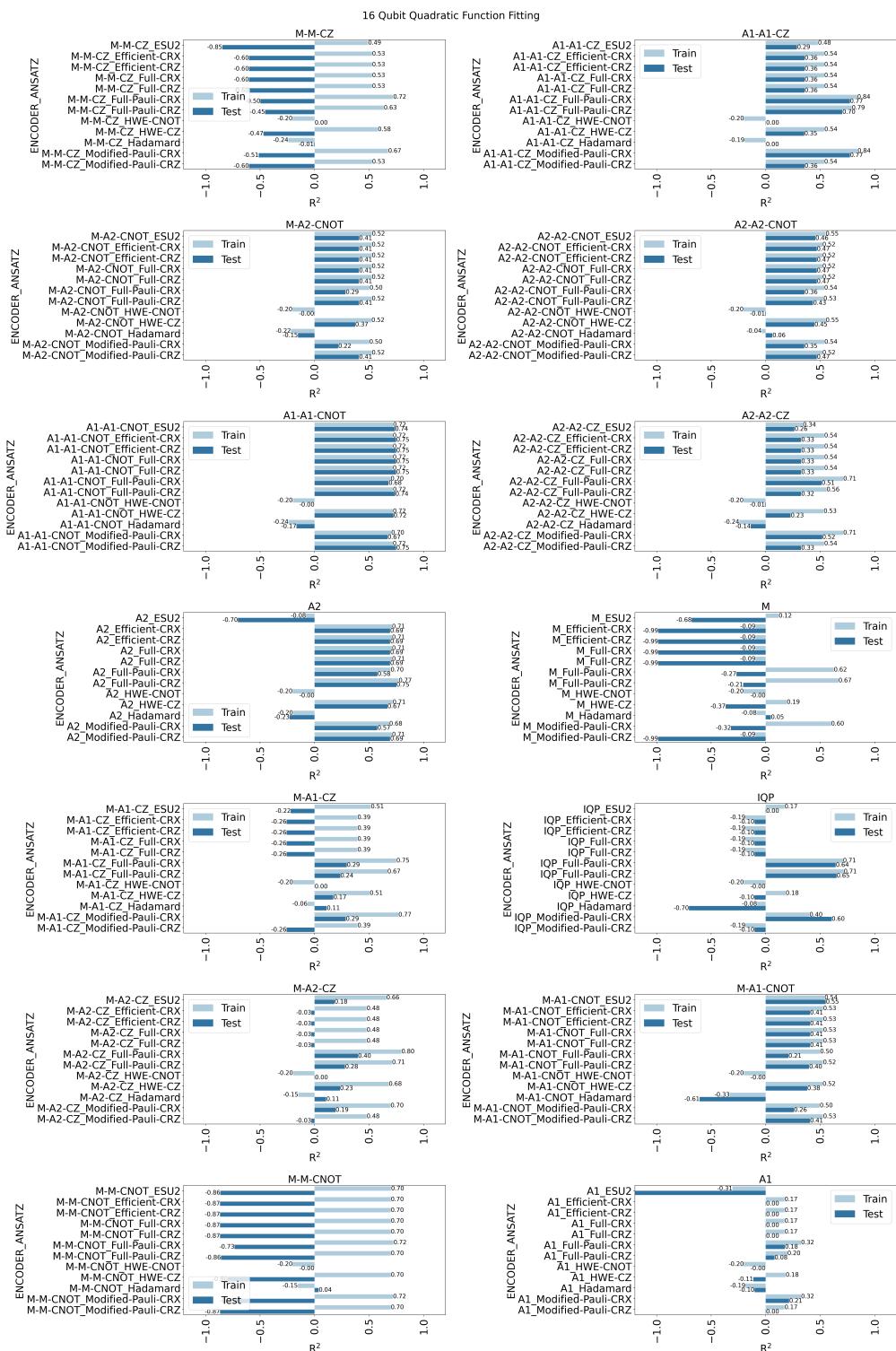


Figure S8: quad16qubits metric

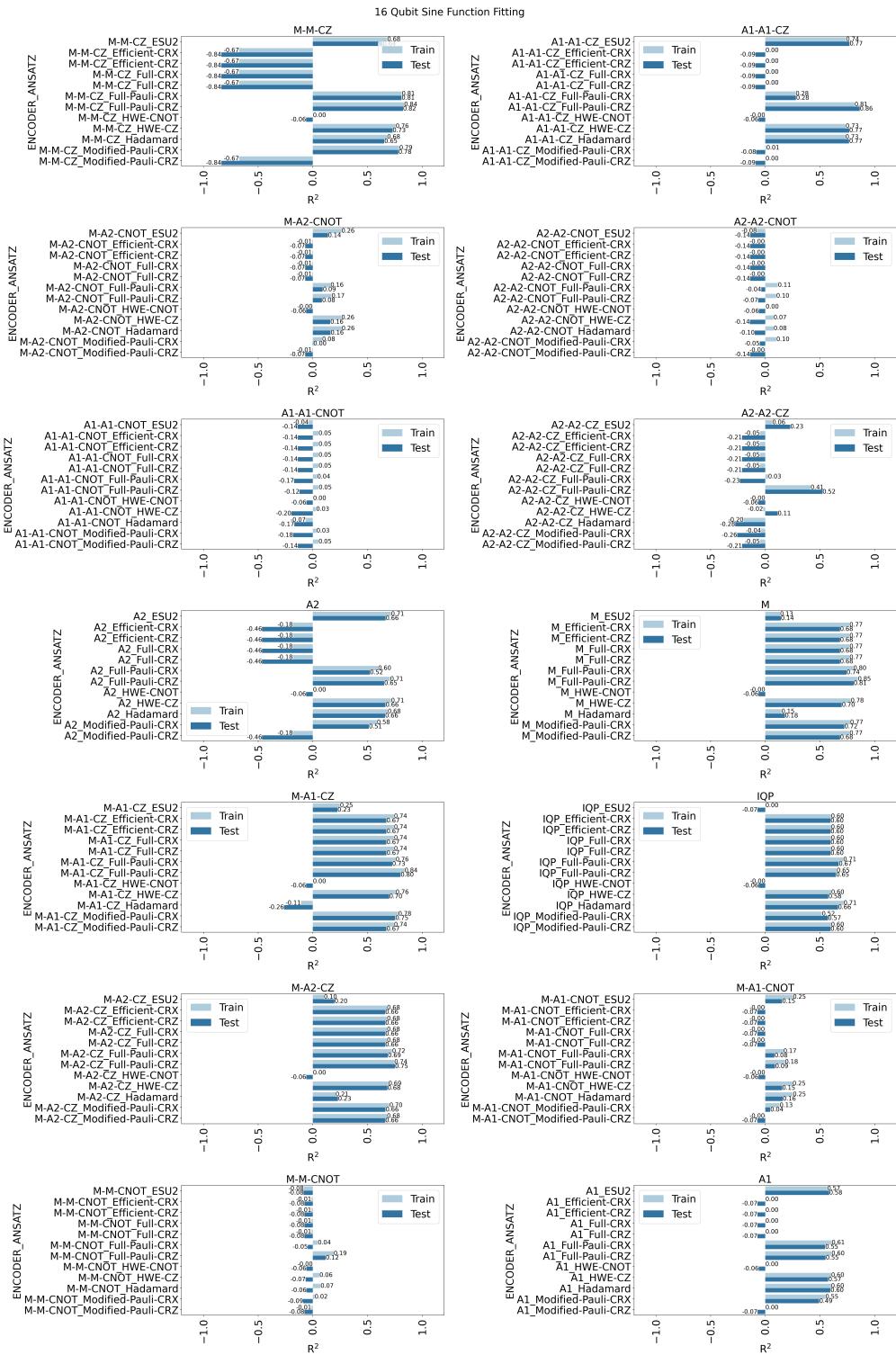


Figure S9: sine16qubits metric

S3. Classical BSE Fitting

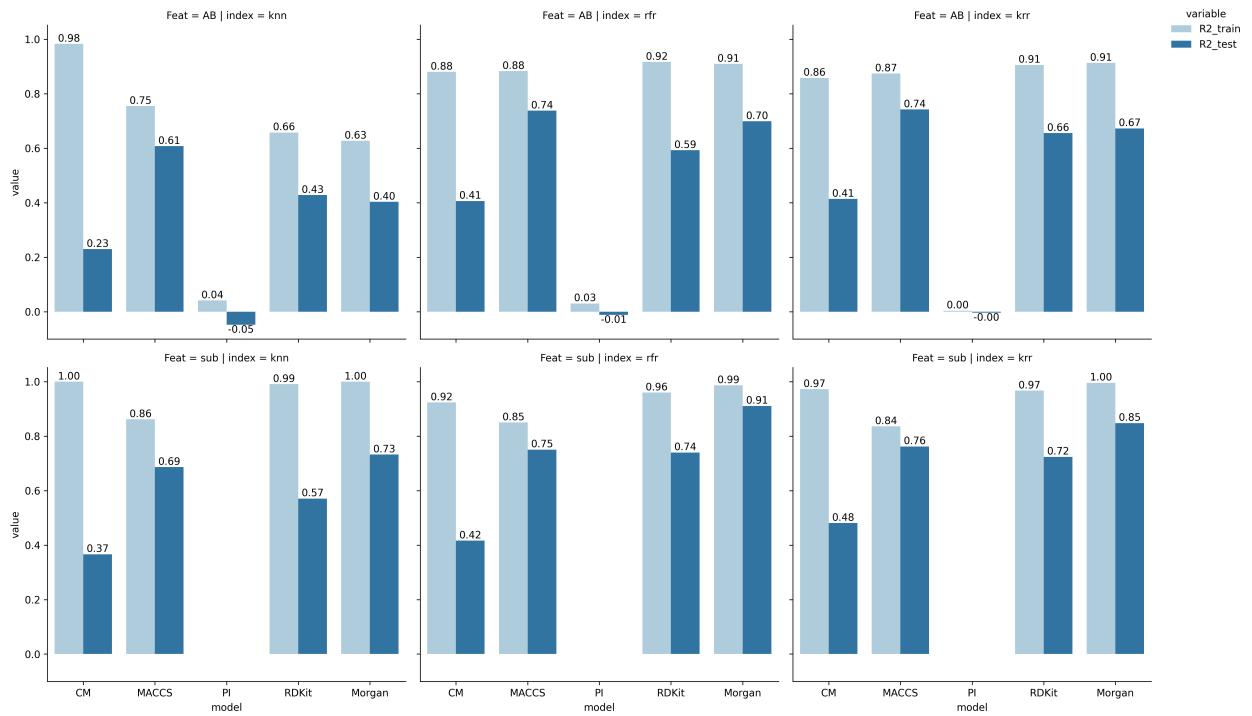


Figure S10: classical funcfit

S4. Simulator BSE Fitting

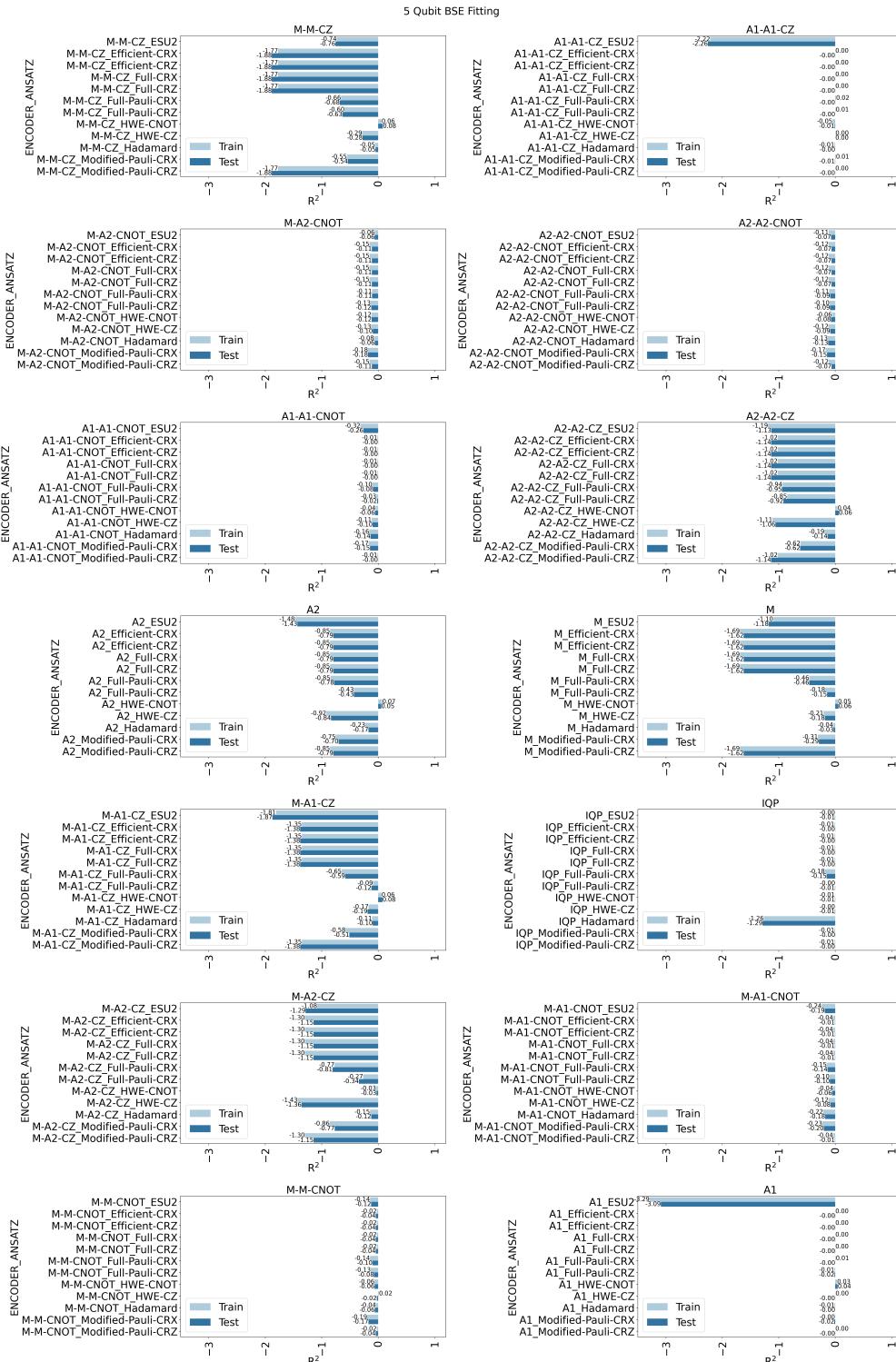


Figure S11: 5qubit BSE R2

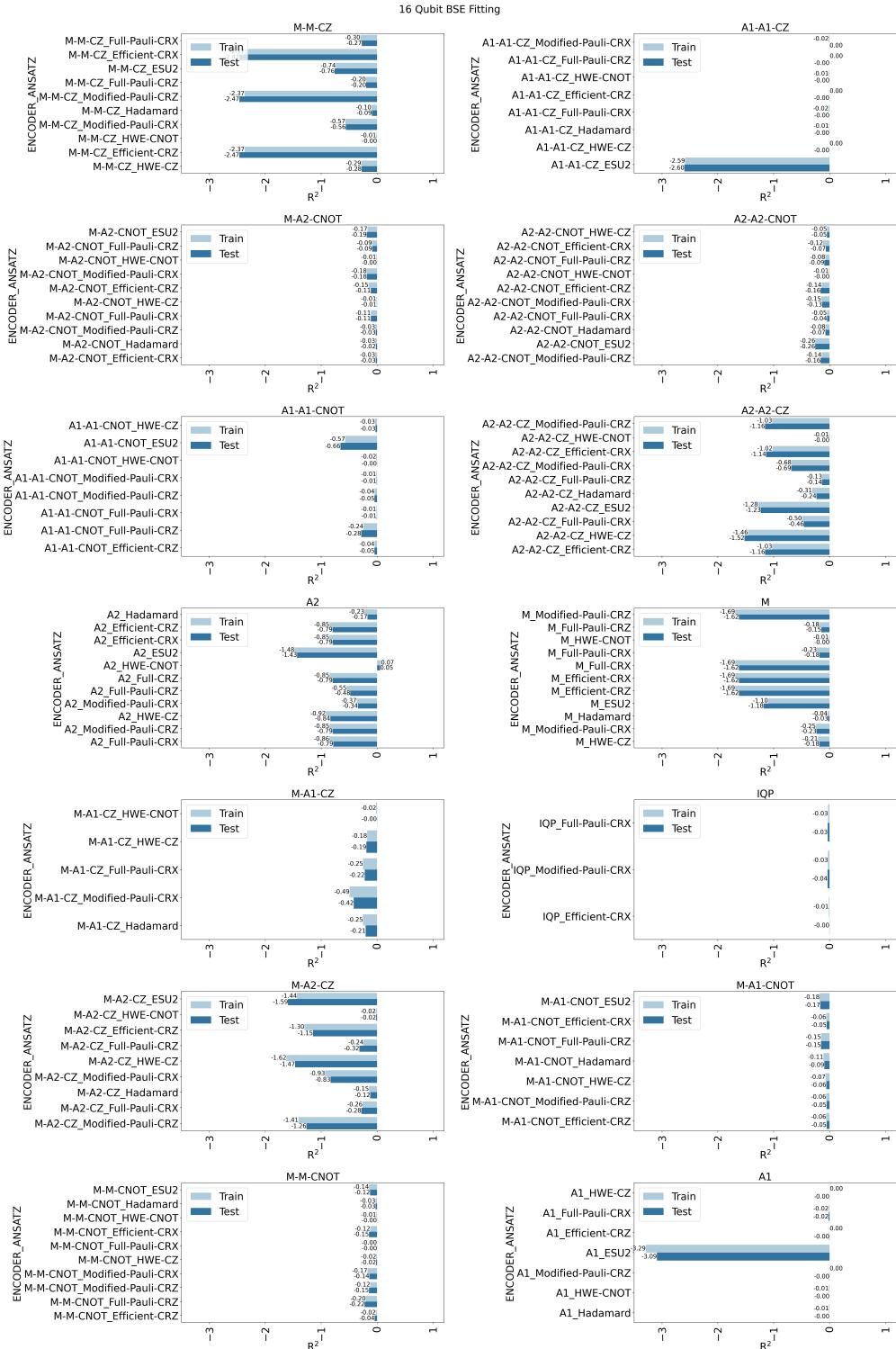


Figure S12: 16qubit BSE R2