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ADAPT Confidence Campaign
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Scope:
  Methods: exact, HF, hardcoded VQE, Qiskit VQE, ADAPT-UCCSD(adapt/fixed), ADAPT-CSE
  Sites: [2]

Gates:
  VQE: L2<=1.0e-08, L3<=1.0e-06
  ADAPT-UCCSD fixed: L2<=1.0e-08, L3<=1.0e-06
  ADAPT-UCCSD adapt: L2<=1.0e-07, L3<=1.0e-05
  ADAPT-CSE: gap_closure>=0.90

Run caps:
  per_method_max_time_s=600.0
  adapt_trial_max_time_s=120.0
  adapt_fixed_trial_max_time_s=180.0

L=2 (n_up=1, n_down=1)
  Exact=-0.836057118155   HF= 4.500000000000
  Hardcoded VQE (UCCSD)        E=-0.836057118127 |dE|=2.794e-11 t=0.28s gate_pass=True
  Qiskit VQE (UCCSD)           E=-0.836057117595 |dE|=5.600e-10 t=2.67s gate_pass=True
  ADAPT-UCCSD (Fixed Sequence) E=-0.507936507937 |dE|=3.281e-01 t=107.29s gate_pass=False
  ADAPT-UCCSD (Adaptive)       E=-0.507936507937 |dE|=3.281e-01 t=68.93s gate_pass=False
  ADAPT-CSE (Adaptive)         E=-0.506312970694 |dE|=3.297e-01 t=9.13s gate_pass=True
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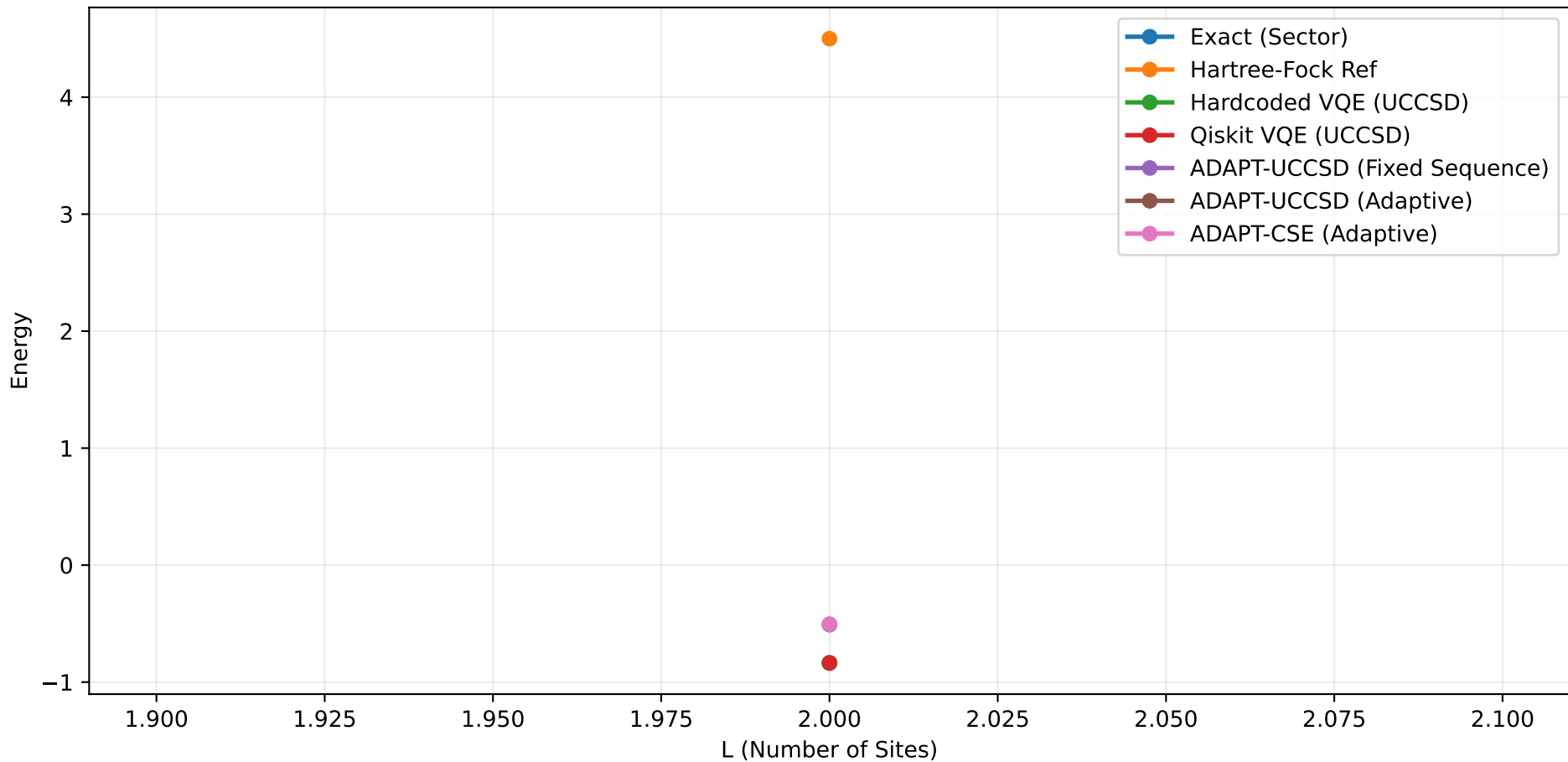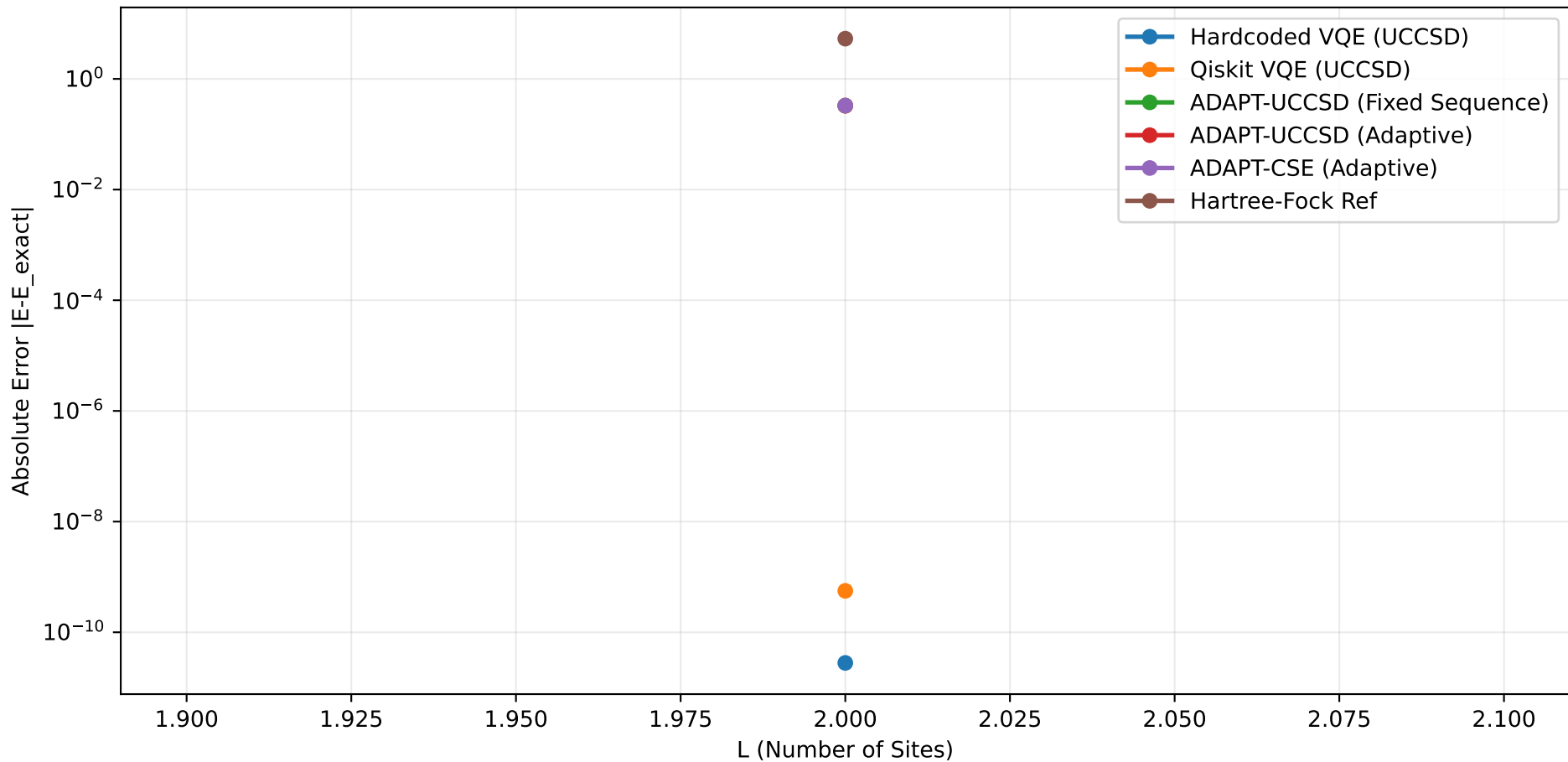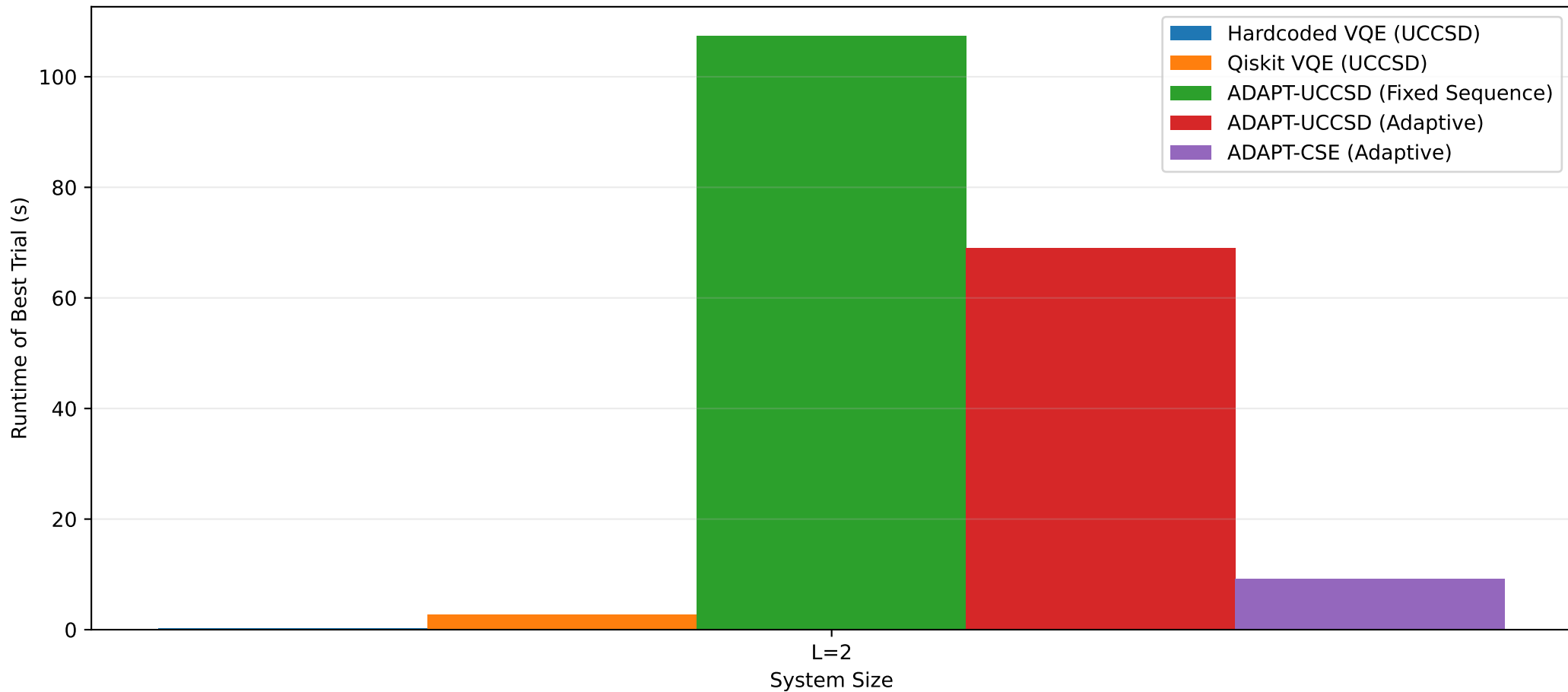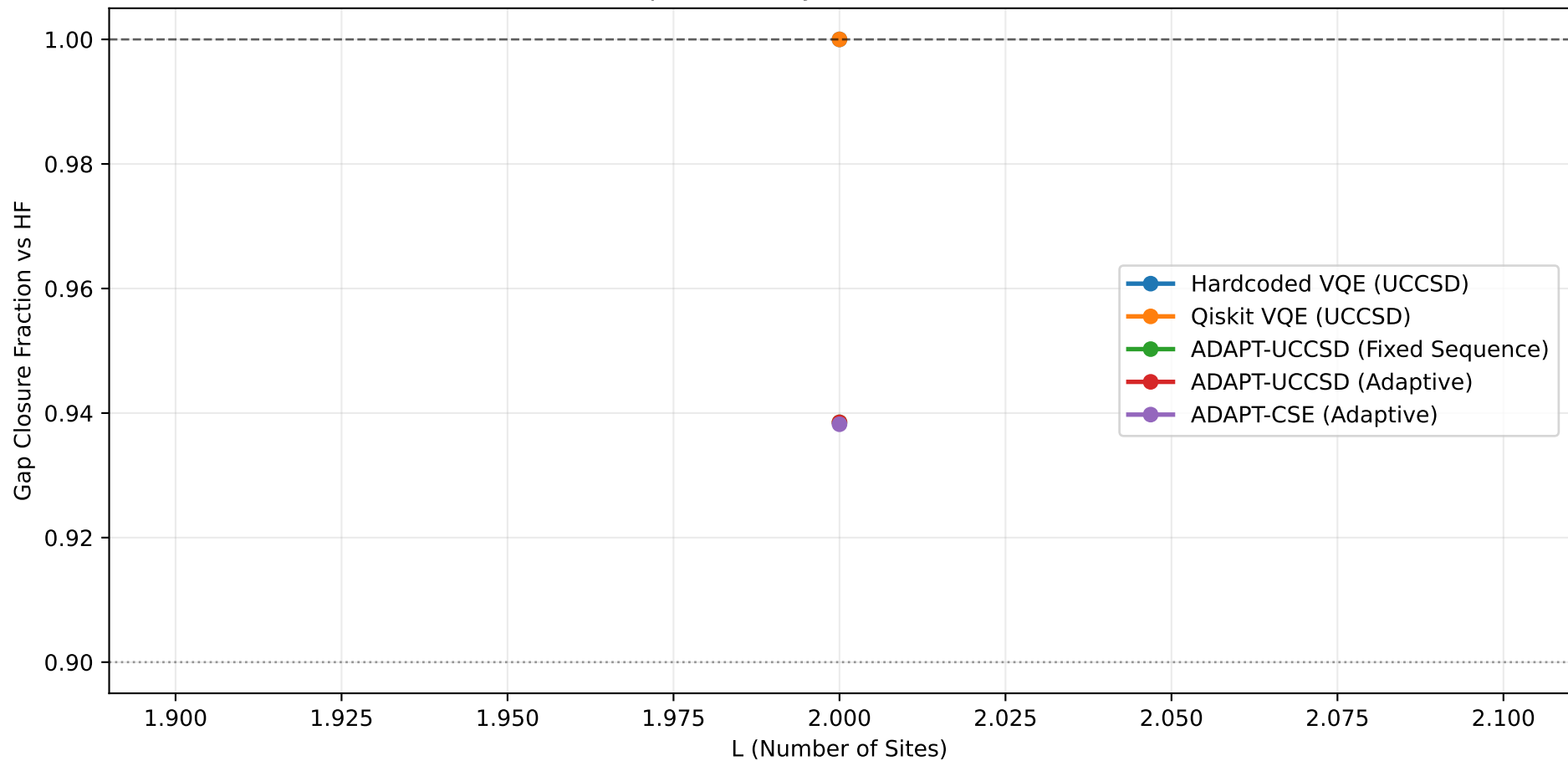
Best Energy by Method
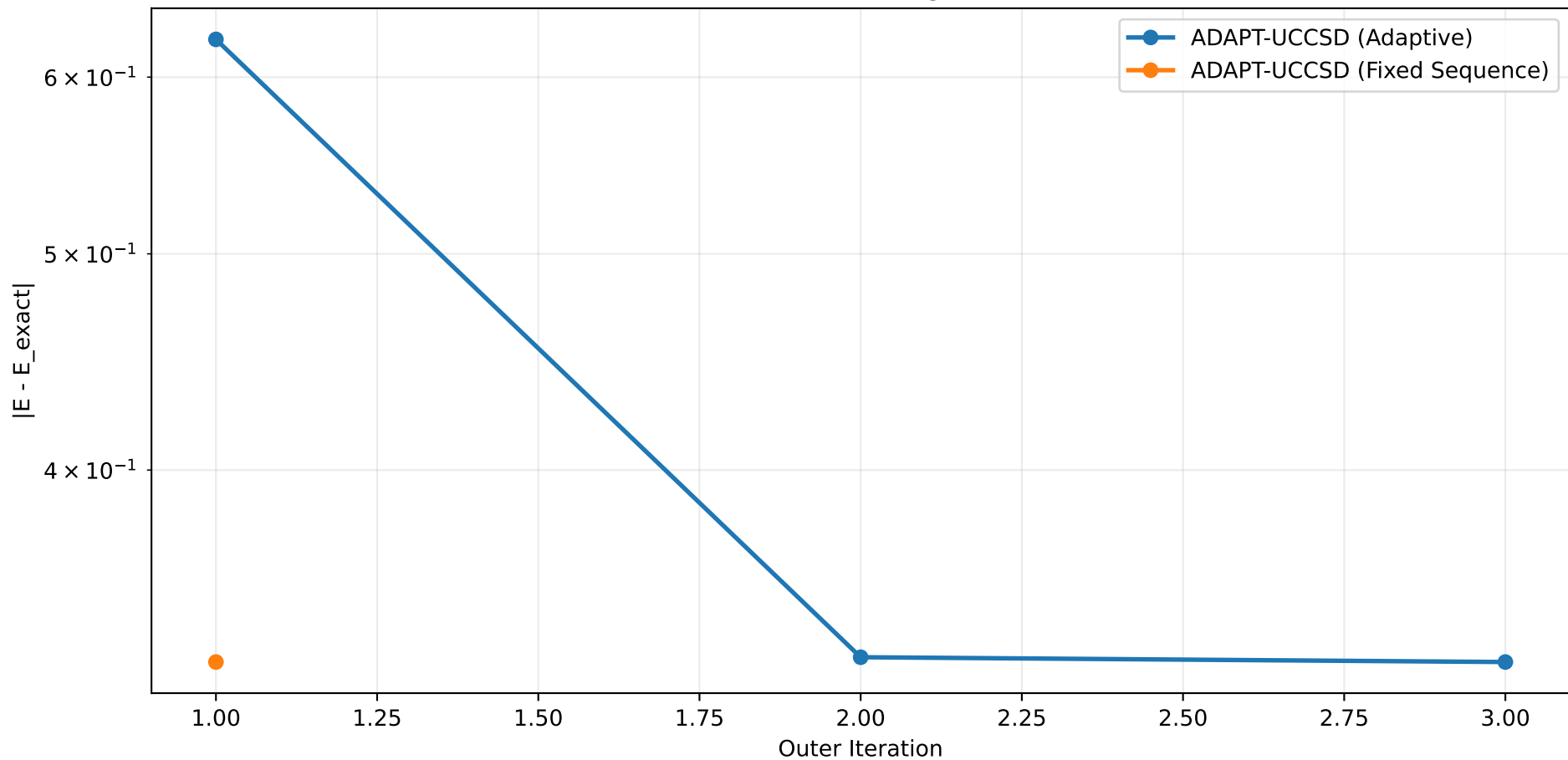
Best Absolute Error vs Exact

Best-Trial Runtime by Method

HF Gap-Closure by Method (1.0 = exact)

ADAPT-UCCSD Convergence (L=2)

ADAPT-CSE Convergence (L=2)