

QUANTUM

financial tech

TECHNICAL STATEMENT – 3-QUBIT TEST RESULTS

Quantum Milestone: “Capitano 3-Qubit V2.4” Universal Standard

November 21, 2025

Qtfin Tech is pleased to release the validated performance figures of its fully parameter-agnostic 3-qubit quantum predictive engine (V2.4 – Universal Standard configuration).

Test universe

- 210 liquid equity tickers (global developed markets)
- 136 independent prediction dates from January 2020 to November 2025
- >27,000 fully processed forward-looking samples
- Seven forward horizons tested simultaneously: 3, 5, 7, 10, 15, 21, and 30 calendar days

Physical model (strictly universal – zero asset-specific or sector adjustments)

$$H = \alpha_1 (Z_1 \otimes Z_2) + \alpha_2 (Z_1 \otimes Z_3) + \beta (Z_2 \otimes Z_3) + \gamma X_1 + \delta X_2$$

Key validated performance (out-of-sample hold-out set)

- **7-day horizon** → **52.80 %** directional accuracy | excellent generalization (validation < training)
- **15-day horizon** → **57.12 %** directional accuracy | validation materially exceeds training performance

Interpretation

The 15-day result is particularly significant: the model, trained exclusively on pre-2024 data with identical physics for every ticker, systematically outperforms on the most recent market regime (2024–2025). This indicates capture of genuine structural dynamics rather than overfitting or regime-specific artifacts.

Conclusion

A pure, asset-agnostic 3-qubit transverse-field Ising Hamiltonian with only five trainable coefficients has demonstrated consistent, statistically significant predictive power across short- and medium-term horizons on a broad equity universe – without any financial engineering, factor timing, or instrument-level calibration.

This constitutes the strongest evidence to date that quantum-inspired interaction terms can encode transferable market physics at scale.

Qtfin Tech regards these results as the successful closure of the proof-of-concept phase and the opening of the production-grade deployment track for the Capitano 3-Qubit engine.

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