

Bear flag win rate in crypto

A study of 17,581 canonical Bear Flag families across 59 Binance markets and 15 timeframes. Updated 5 August 2026.

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17,581 Pattern families	16.59% Declined at least 5%	27.18% 5m+ declined 5%+	25.25% Full-pole target	44.49% 15m+ declined 5%+
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Direct answer

Across all measured timeframes, a favorable post-breakdown decline of at least 5% occurred in 16.59% (2,916/17,572; 95% CI 16.05 to 17.15). The rate was 27.18% at 5m+ (1,473/5,420) and 44.49% at 15m+ (630/1,416). These are chart outcomes, not net trading returns.

Pooled outcomes, all measured timeframes

Endpoint	Numerator / denominator	Estimate	95% Wilson interval
Structural hold	13,830 / 17,572	78.70%	78.09 to 79.30
Favorable decline 5%+	2,916 / 17,572	16.59%	16.05 to 17.15
Full-pole target	4,431 / 17,550	25.25%	24.61 to 25.90
46%-pole target	10,015 / 14,022	71.42%	70.67 to 72.17
Boundary pullback	17,333 / 17,580	98.59%	98.41 to 98.76

Results by timeframe

Timeframe	Families	Structural hold	Declined 5%+	Full-pole target
1m	6,959	80.82%	8.85%	24.31%
3m	5,193	79.30%	15.93%	24.36%
5m	4,004	77.27%	21.05%	25.53%
15m	464	72.84%	34.70%	32.76%
30m	241	70.95%	37.34%	32.22%
1h	324	70.37%	46.30%	32.10%
2h	174	60.34%	43.10%	31.61%
4h+	222	sparse	sparse	sparse

Comparison with Bulkowski's stock baseline

Metric	Bulkowski (stocks)	All crypto timeframes	Crypto 15m+
Average favorable decline	8%	2.77%	8.12%
Failure below 5%	45%	83.41%	55.51%
Success at or above 5%	55%	16.59%	44.49%
Full measure-rule target	46%	25.25%	32.28%

Method in brief

The frozen Rust run evaluated 309,715,131 rolling windows across 59 Binance pairs and all 15 configured timeframes, producing 19,899 reconciled detector events and zero detector failures. CSM v1.5.1 causal measurement plus outcome-blind family selection produced 17,581 canonical families. Favorable movement is the decline from the fixed breakdown boundary to the causally resolved low. Full and 46%-pole targets project downward. Endpoint-specific censored rows are excluded, never converted into misses. Binary endpoints use 95% Wilson intervals. Execution costs are outside this study.