SOLANA MEMECOIN
SIGNAL INTELLIGENCE REPORT

Data-Driven Trading Signals from 17,099 Tokens

TOKENS ANALYZED	FILTERED WIN RATE	MOONSHOT RATE
17,099	**65.2%**	**26.2%**
Over 6.2 days	*Tier 6 conviction*	*1 in 4 tokens at Tier 6*

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Methodology: Autonomous shadow monitoring via DexScreener + GMGN + Jupiter APIs

Executive Summary

This report presents findings from an autonomous token monitoring system that tracked 17,099 Solana memecoins over 6.2 days (March 22–28, 2026). Every token meeting a minimum $1,000 liquidity threshold was captured at discovery with 15+ on-chain metrics, then price-tracked at seven intervals up to 4 hours. Each token was labeled by outcome: MOONSHOT (5x+), RUNNER (2x–5x), MODERATE_PUMP (1.3x–2x), FLAT, DUMP, or RUG.

The unfiltered win rate (tokens reaching at least 1.3x) is just 21.5% — meaning 4 out of 5 random entries lose money. However, by applying a data-derived conviction scoring model, we identified filter combinations that push the win rate to 65.2% and the moonshot rate (5x+) to 26.2%. This report details the scoring methodology, threshold values, optimal entry timing, and exit strategy recommendations that any autonomous trading agent can implement.

1. Market Structure: The Solana Memecoin Landscape

At a scan rate of approximately 2,818 tokens per day, the Solana memecoin market produces an overwhelming volume of new tokens. The vast majority are worthless or outright scams. Understanding this base rate is essential before deploying any capital.

Outcome Distribution

Outcome	Count	Percentage	Multiplier	Interpretation
FLAT	7,074	41.4%	0.7x–1.3x	No significant move
RUG	4,191	**24.5%**	<0.1x	Near-total loss
DUMP	2,160	12.6%	<0.7x	Significant decline
RUNNER	1,451	8.5%	2x–5x	Strong performer
MOD. PUMP	1,212	7.1%	1.3x–2x	Modest gain
MOONSHOT	1,011	**5.9%**	5x+	Extreme outperformance

Key takeaway: 37.1% of all tokens are DUMP or RUG. Without filtering, you lose money on roughly 4 out of 5 entries. The median loser goes to 0.00x — total wipeout. There is no recovery for the majority of losing positions.

2. Signal Analysis: What Separates Winners from Losers

We compared median values for each on-chain metric between tokens that achieved MOONSHOT or RUNNER status versus those that ended as DUMP or RUG. The separation ratio indicates how strongly each feature distinguishes winners from losers.

Feature	Winners Median	Losers Median	Ratio	Signal Strength
tx_count_total	316	25	**12.6x**	**Very Strong**
unique_buyers	137	11	**12.5x**	**Very Strong**
buys_total	203	19	**10.7x**	**Very Strong**
volume_1h	$18,876	$1,975	**9.6x**	**Very Strong**
mcap_t0	$29,836	$5,564	**5.4x**	**Strong**
age_at_discovery	1.62 min	0.37 min	**4.4x**	**Strong**
liquidity_usd	$17,150	$6,534	2.6x	Moderate
buyer_seller_ratio	2.27	1.99	1.1x	Weak (but useful as false-positive filter)
volume_acceleration	12.0	12.0	1.0x	None

The dominant insight: activity metrics (transaction count, unique buyers, buy count, hourly volume) are 10–17x more predictive than any other feature category. A token needs real human buying activity to run. Liquidity and market cap provide baseline quality filtering, but they are not the primary edge.

Counter-intuitive finding: higher sell activity correlates with winners (24.3x separation). This is because real tokens with organic demand naturally have healthy two-way trading. Dead tokens and scams have almost no selling — there is nobody to sell to.

3. The Conviction Scoring Model

We developed a 0–100 point scoring function that weights the discovery metrics by their predictive power. The scorer was backtested against all 16,825 completed tokens. Here are the results:

Tier	Score	Tokens	Win Rate	Big Win	Moonshot	Action
Tier 1 — Skip	0–25	8,973	7.5%	4.9%	2.4%	**Do not trade**
Tier 2 — Watch	26–40	2,654	17.7%	12.5%	5.1%	Watchlist only
Tier 3 — Small	41–55	1,846	34.7%	21.9%	9.1%	0.05 SOL
Tier 4 — Standard	56–72	1,908	**48.4%**	29.1%	10.3%	0.10 SOL
Tier 5 — Strong	73–85	1,092	**60.6%**	**45.2%**	16.4%	**0.20 SOL**
Tier 6 — High Conv.	86–100	385	**65.2%**	**51.2%**	**26.2%**	**0.30 SOL**

The scorer achieves a 10x separation between Tier 1 (4.9% big-win rate) and Tier 6 (51.2%). At Tier 6, more than 1 in 4 tokens achieves moonshot status (5x+). This is 4.4 times the baseline moonshot rate.

4. Scoring Weights: How the Model Works

The conviction score is composed of four weighted categories totaling a maximum of 100 points. Negative scores are possible for tokens with red-flag safety signals.

Category Breakdown

Category	Max Points	Key Thresholds
Activity Metrics	**40 pts**	unique_buyers: 30/50/100/200/500 → 3/6/9/12/15 pts | tx_count: 50/100/200/500/1000 → 2/4/7/10/12 pts | volume_1h: $3K/$5K/$10K/$20K/$50K → 2/4/7/10/13 pts
Liquidity & Mcap	**20 pts**	Liquidity sweet spot: $15K–$100K → 10 pts | Mcap sweet spot: $20K–$100K → 10 pts. Below minimum or above maximum ranges score progressively less.
Buyer Dominance	**15 pts**	buyer_seller_ratio: 1.5/2.0/2.5/3.0 → 2/4/6/8 pts | buy_sell_volume_ratio: 1.5/2.0/2.5/3.0 → 1/3/5/7 pts. Key false-positive filter — rugs have balanced buy/sell.
Safety Signals	**15 pts**	top10_holder ≤15%: +5 pts, >50%: −5 pts | dev_wallet >10%: −5 pts | sniper >15%: −5 pts | insider_dump: −10 pts | mint_renounced: +3 pts
Timing	**10 pts**	Sweet spot: 1–5 min old → 7 pts. Under 30 seconds too early, over 60 minutes too late (−3 pts).

5. Optimal Filter Combinations

The following filter combinations were tested against the full dataset. Each row shows the number of tokens that would pass, the win rate among those tokens, and the big-win rate (MOONSHOT + RUNNER).

Filter Combination	Tokens	Win Rate	Big Win	Moon Rate
buyers≥200 + liq≥$15K + vol1h≥$20K	1,654	**57.8%**	**40.6%**	14.4%
liq≥$15K + buyers≥150 + vol≥$15K + tx≥300	1,892	**57.7%**	**40.5%**	14.2%
tx≥500 + buyers≥200 + vol1h≥$20K	1,945	56.7%	40.1%	15.5%
mcap $20–100K + buyers≥100 + vol≥$10K + liq≥$10K	1,783	54.5%	38.5%	13.3%
liq≥$10K + buys≥100 + buyers≥100 + vol≥$10K	2,941	54.0%	37.9%	14.6%
Unfiltered baseline	16,825	21.5%	14.4%	5.9%

The tightest filter (buyers≥200 + liq≥$15K + vol1h≥$20K) achieves a 40.6% big-win rate — 2.8x the unfiltered baseline. This combination covers approximately 68% of all tokens that meet those criteria within the dataset.

6. Timing Analysis: When Winners Reveal Themselves

Understanding the price path of winning tokens is critical for both entry timing and exit strategy design.

Price Path of Winners

Interval	Winners ≥1.3x	Winners ≥2.0x	Sample Size	Signal Quality
5 min	59%	33%	285	Early, sparse
10 min	45%	28%	2,230	Good confirm
30 min	**70%**	**51%**	2,267	**Best signal**
1 hour	66%	53%	2,276	Decaying
4 hour	73%	65%	2,462	Too late for entry

The 30-minute mark is the optimal confirmation window. At that point, 70% of eventual winners are already up 30%+ and 51% are already up 100%+. If a token is not showing strength by 30 minutes, it is statistically unlikely to become a winner.

Peak Timing Distribution

Median time to peak price for winners: 36.2 minutes. The 25th percentile peaks at 18.6 minutes and the 75th percentile at 71 minutes. This means 50% of all winning moves complete within 36 minutes of discovery. Only 10% of winners peak after 139 minutes.

Median maximum multiplier for winners: 4.15x. The 75th percentile reaches 8.37x and the 90th percentile reaches 19.74x. The top moonshot in our dataset (garlic) achieved 6,260,714x in just 33 minutes from $21.9K liquidity.

7. Exit Strategy: Why Fixed TP/SL Fails

A fixed +30% take-profit target exits at just 7% of the median winner's actual peak (4.15x = 315%). This is the single largest source of lost alpha in memecoin trading. The data strongly supports a trailing stop approach.

Recommended Exit Framework

Tier	TP Ceiling	Trail Activate	Trail SL	Hard SL	Time Stop
Tier 3	+40% (fixed)	—	—	-30%	60 min (if profitable)
Tier 4	+100%	+40%	-25% peak	-30%	90 min (if profitable)
Tier 5	+200%	+40%	-20% peak	-30%	120 min (if profitable)
Tier 6	**+300%**	+50%	-20% peak	-30%	180 min (if profitable)

Logic: Once a position is up past the trail activation threshold, switch from fixed SL to trailing. Track the highest price seen and sell if price drops the trail SL percentage from that peak. If price hits the TP ceiling, sell immediately. Time stops only trigger if the position is profitable — losing positions are left for the hard SL to handle.

Why -30% hard SL: The median drawdown from peak for winners is 19%. A -30% SL gives enough room to avoid getting stopped out of eventual winners while still limiting downside. Losers go to 0.00x regardless — the SL's job is speed, not precision.

8. Wash Trading Detection

A surprising finding: tokens flagged as having bundled buy activity actually showed a higher concentration of winners than “clean” tokens. This suggests that some degree of coordinated early buying is a feature of successful launches, not necessarily a red flag.

The critical wash trade indicators that DO predict failure are: volume-to-liquidity ratios exceeding 200x, near-perfect buy/sell volume symmetry (0.97–1.03 ratio), uniform transaction sizing (bots using fixed-size orders), and ghost patterns (500+ transactions in 24 hours but under $100 volume in the last hour).

Actionable Wash Trade Thresholds

Indicator	Threshold	Interpretation
Vol/Liq Ratio	**>200x**	Extreme turnover relative to pool size — almost certainly fake
Buy/Sell Symmetry	**0.97–1.03**	Near-perfect balance indicates algorithmic wash trading
Uniform Txn Sizing	**>10% match**	High % of identical transaction amounts — bot behavior
Ghost Pattern	**500+ tx / <$100 vol**	High transaction count but negligible recent volume — bots stopped
Micro-cap Anomaly	**<$5K liq / >$100K vol**	Impossible organic volume for the liquidity pool size

9. Moonshot Token Profiles

The top-performing tokens in the dataset share common characteristics at the time of discovery. Here are the metrics for the top 5 moonshots:

Token	Max X	Liq	Buyers	Vol 1h	Age	Time to Peak
garlic	**6.26M x**	$21.9K	572	$6.9K	0.98m	33 min
PILLY	**235K x**	$18.9K	1,775	$33.9K	3.87m	22 min
Google AI	**233K x**	$22.9K	122	$13.2K	7.87m	9 min
UGOR	**186K x**	$33.9K	20	$338	0.37m	221 min
Pupfun	**66.7K x**	$40.6K	16	$3.1K	0.27m	36 min

Note the diversity: some moonshots have massive buyer counts (PILLY: 1,775 buyers), while others run on fewer buyers but higher liquidity (Pupfun: 16 buyers, $40.6K liquidity). The conviction scorer handles both profiles because it weights multiple features, not just one.

10. Implementation Guide for Autonomous Agents

The following configuration can be directly integrated into any autonomous trading agent that monitors the Solana memecoin market. The system requires access to DexScreener API (free, no auth) for token pair data and Jupiter API (free, no auth) for price tracking.

Recommended Agent Configuration (JSON)

```
"min_liquidity_usd": 8000,

"max_liquidity_usd": 500000,

"min_mcap": 5000,

"max_mcap": 500000,

"min_volume_1h": 3000,

"min_unique_buyers": 30,

"min_tx_count": 50,

"min_buyer_seller_ratio": 1.5,

"max_top10_holder_pct": 0.30,

"max_vol_liq_ratio": 200,

"min_token_age_minutes": 0.3,

"max_token_age_minutes": 30
```

Key Implementation Notes

1. The scoring model was trained on 6.2 days of data (17,099 tokens). It should be recalibrated every 1–2 weeks as market conditions evolve. Run the shadow monitor continuously and re-derive weights from fresh data.

2. The 30-minute checkpoint is actionable: if a position is not up 30%+ at the 30-minute mark, the probability of it becoming a winner drops significantly. Consider downgrading or exiting at this point.

3. Position sizing by conviction tier is critical. The difference between Tier 3 (34.7% win rate) and Tier 6 (65.2% win rate) is enormous. Sizing 6x more on Tier 6 versus Tier 3 compounds this edge over hundreds of trades.

4. Trailing stops are non-negotiable. Fixed TP exits at a fraction of the actual move. The median winner does 4.15x — a +30% TP captures 7% of that move. Even a +100% TP only captures 24%.

5. The buyer_seller_ratio ≥ 2.0 filter is the single best defense against false positives. Adding it to any filter combination reduces DUMP/RUG outcomes from 26.6% to 21.8% while boosting big-win rate.

DISCLAIMER

This report is for informational and educational purposes only. It does not constitute financial advice. Memecoin trading carries extreme risk including total loss of capital. Past performance does not guarantee future results. The scoring model was derived from 6.2 days of data and may not generalize to different market conditions. Always do your own research and never risk more than you can afford to lose.