

harsh6_fin556_algo_trading_symbols_homework

Automated NASDAQ ETP Scanner — Output and Source Code | GitHub: <https://github.com/xecuterisaquant/fin556-etp-finder>

Summary

Total matches: **609**

Category	Count
leveraged_single_stock_long	239
leveraged_index_long	135
leveraged_index_inverse	101
leveraged_single_stock_inverse	72
commodity_physical_trust	23
crypto_futures	17
commodity_futures	14
crypto_trust	8

Run metadata

```
source_url: https://www.nasdaqtrader.com/dynamic/SymDir/nasdaqtraded.txt
timestamp_chicago: 2025-12-17T10:53:52-06:00
records_count: 609
output_csv: outputs/2025-12-17/etp_candidates.csv
output_jsonl: outputs/2025-12-17/etp_candidates.jsonl
date_dir: 2025-12-17
```

Detected Symbols (Full List)

#	symbol	name	etp_type	category	reasons	timestamp
1	AAAU	Goldman Sachs Physical Gold ETF Shares	ETF	commodity_physical_trust	etf_flag_Y, type_etf, physical_keyword	2025-12-17T10:53:52-06:00
2	AALG	Leverage Shares 2X Long AAL Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T10:53:52-06:00
3	AAPB	GraniteShares 2x Long AAPL Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T10:53:52-06:00

#	symbol	name	etp_type	category	reasons	timestamp
4	AAPD	Direxion Daily AAPL Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
5	AAPU	Direxion Daily AAPL Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
6	AAPX	T-Rex 2X Long Apple Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
7	ABNG	Leverage Shares 2x Long ABNB Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
8	ADBG	Leverage Shares 2X Long ADBE Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
9	AETH	Bitwise Trendwise Ether and Treasuries Rotation Strategy ETF	ETF	crypto_futures	etf_flag_Y, type_etf, futures_keyword	2025-12-17T1 0:53:52-06:00
10	AFRU	T-REX 2X Long AFRM Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
11	AGQ	ProShares Ultra Silver	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
12	AIBD	Direxion Daily AI and Big Data Bear 2X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
13	AIBU	Direxion Daily AI and Big Data Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
14	AMDD	Direxion Daily AMD Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
15	AMDG	Leverage Shares 2X Long AMD Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
16	AMDL	GraniteShares 2x Long AMD Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
17	AMUU	Direxion Daily AMD Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
18	AMZD	Direxion Daily AMZN Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
19	AMZU	Direxion Daily AMZN Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
20	AMZZ	GraniteShares 2x Long AMZN Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
21	ANEL	Defiance Daily Target 2x Long ANET ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
22	APLX	Tradr 2X Long APLD Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
23	APPX	Tradr 2X Long APP Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
24	ARCX	Tradr 2X Long ACHR Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
25	ARMG	Leverage Shares 2X Long ARM Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
26	ARMU	T-REX 2X Long ARM Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
27	ASMG	Leverage Shares 2X Long ASML Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00

#	symbol	name	etp_type	category	reasons	timestamp
28	ASTX	Tradr 2X Long ASTS Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
29	AURU	Tradr 2X Long AUR Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
30	AVGG	Leverage Shares 2X Long AVGO Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
31	AVGU	GraniteShares 2x Long AVGO Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
32	AVGX	Defiance Daily Target 2X Long AVGO ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
33	AVL	Direxion Daily AVGO Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
34	AVS	Direxion Daily AVGO Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
35	AVXX	Defiance Daily Target 2x Long AVAV ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
36	AXUP	T-REX 2X Long AXON Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
37	BABX	GraniteShares 2x Long BABA Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
38	BAIG	Leverage Shares 2X Long BBAI Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
39	BAR	GraniteShares Gold Trust Shares of Beneficial Interest	Trust	commodity_physical_trust	type_trust_with_commodity	2025-12-17T1 0:53:52-06:00
40	BBB	CYBER HORNET S&P; 500 and Bitcoin 75/25 Strategy ETF	ETF	crypto_futures	etf_flag_Y, type_etf, futures_keyword	2025-12-17T1 0:53:52-06:00
41	BDCX	ETRACS Quarterly Pay 1.5x Leveraged MarketVector BDC Liquid Index ETN due June 10, 2050	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-12-17T1 0:53:52-06:00
42	BEG	Leverage Shares 2x Long BE Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
43	BEGS	Rareview 2x Bull Cryptocurrency & Precious Metals ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
44	BERZ	MicroSectors FANG & Innovation -3x Inverse Leveraged ETN	ETN	leveraged_index_inverse	etf_flag_Y, type_etn_by_name, leverage_context, inverse_context	2025-12-17T1 0:53:52-06:00
45	BEX	Tradr 2X Long BE Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
46	BFAP	FT Vest Bitcoin Strategy Floor15 ETF April	ETF	crypto_futures	etf_flag_Y, type_etf, futures_keyword	2025-12-17T1 0:53:52-06:00
47	BFJL	FT Vest Bitcoin Strategy Floor15 ETF July	ETF	crypto_futures	etf_flag_Y, type_etf, futures_keyword	2025-12-17T1 0:53:52-06:00
48	BFOC	FT Vest Bitcoin Strategy Floor15 ETF - October	ETF	crypto_futures	etf_flag_Y, type_etf, futures_keyword	2025-12-17T1 0:53:52-06:00
49	BGLD	FT Vest Gold Strategy Quarterly Buffer ETF	ETF	commodity_futures	etf_flag_Y, type_etf, futures_keyword	2025-12-17T1 0:53:52-06:00
50	BIB	ProShares Ultra Nasdaq Biotechnology	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
51	BIS	ProShares UltraShort Nasdaq Biotechnology	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00

#	symbol	name	etp_type	category	reasons	timestamp
52	BITC	Bitwise Trendwise Bitcoin and Treasuries Rotation Strategy ETF	ETF	crypto_futures	etf_flag_Y, type_etf, futures_keyword	2025-12-17T1 0:53:52-06:00
53	BITI	ProShares Short Bitcoin ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-12-17T1 0:53:52-06:00
54	BITS	Global X Blockchain & Bitcoin Strategy ETF	ETF	crypto_futures	etf_flag_Y, type_etf, futures_keyword	2025-12-17T1 0:53:52-06:00
55	BITU	ProShares Ultra Bitcoin ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
56	BITX	2x Bitcoin Strategy ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
57	BKNU	T-REX 2X Long BKNG Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
58	BLSG	Leverage Shares 2X Long BLSH Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
59	BLSX	Tradr 2X Long BLSH Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
60	BMNG	Leverage Shares 2X Long BMNR Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
61	BMNU	T-REX 2X Long BMNR Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
62	BMNZ	Defiance Daily Target 2X Short BMNR ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
63	BNKD	MicroSectors U.S. Big Banks -3 Inverse Leveraged ETNs due February 17, 2045	ETN	leveraged_index_inverse	etf_flag_Y, type_etn_by_name, inverse_context	2025-12-17T1 0:53:52-06:00
64	BOED	Direxion Daily BA Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
65	BOEG	Leverage Shares 2X Long BA Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
66	BOEU	Direxion Daily BA Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
67	BOIL	ProShares Ultra Bloomberg Natural Gas	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
68	BRKD	Direxion Daily BRKB Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
69	BRKU	Direxion Daily BRKB Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
70	BRZU	Direxion Daily Brazil Bull 2X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
71	BTC	Grayscale Bitcoin Mini Trust (BTC)	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-12-17T1 0:53:52-06:00
72	BTCL	T-Rex 2X Long Bitcoin Daily Target ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
73	BTCZ	T-Rex 2X Inverse Bitcoin Daily Target ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-12-17T1 0:53:52-06:00
74	BTOP	Bitwise Trendwise BTC/ETH and Treasuries Rotation Strategy ETF	ETF	crypto_futures	etf_flag_Y, type_etf, futures_keyword	2025-12-17T1 0:53:52-06:00
75	BTRN	Global X Bitcoin Trend Strategy ETF	ETF	crypto_futures	etf_flag_Y, type_etf, futures_keyword	2025-12-17T1 0:53:52-06:00

#	symbol	name	etp_type	category	reasons	timestamp
76	BU	Defiance Daily Target 2X Long BU ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
77	BULG	Leverage Shares 2X Long BULL Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
78	BULU	T-REX 2X Long BULL Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
79	BULX	GraniteShares 2x Long BULL Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
80	BULZ	MicroSectors FANG & Innovation 3x Leveraged ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-12-17T1 0:53:52-06:00
81	BZQ	ProShares UltraShort MSCI Brazil Capped	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
82	CARD	MAX Auto Industry -3x Inverse Leveraged ETN	ETN	leveraged_index_inverse	etf_flag_Y, type_etn_by_name, leverage_context, inverse_context	2025-12-17T1 0:53:52-06:00
83	CARU	MAX Auto Industry 3x Leveraged ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-12-17T1 0:53:52-06:00
84	CCUP	T-REX 2X Long CRCL Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
85	CEF	Sprott Physical Gold and Silver Trust Units	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity, physical_keyword	2025-12-17T1 0:53:52-06:00
86	CEFD	ETRACS Monthly Pay 1.5X Leveraged Closed-End Fund Index ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-12-17T1 0:53:52-06:00
87	CEGX	Trad'r 2X Long CEG Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
88	CELT	Trad'r 2X Long CELH Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
89	CHAU	Direxion Daily CSI 300 China A Share Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
90	CIFG	Leverage Shares 2X Long CIFR Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
91	CIFU	T-REX 2X Long CIFR Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
92	CLIX	ProShares Long Online/Short Stores ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-12-17T1 0:53:52-06:00
93	CLSE	Convergence Long/Short Equity ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-12-17T1 0:53:52-06:00
94	CLSX	Trad'r 2X Long CLSK Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
95	CMGG	Leverage Shares 2X Long CMG Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
96	COIA	ProShares Ultra COIN	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
97	COIG	Leverage Shares 2X Long COIN Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
98	COIO	Leverage Shares 2x Capped Accelerated COIN Monthly ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
99	CONI	GraniteShares 2x Short COIN Daily ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00

#	symbol	name	etp_type	category	reasons	timestamp
100	CONL	GraniteShares 2x Long COIN Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
101	CONX	Direxion Daily COIN Bull 2X ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
102	CORD	T-REX 2X Inverse CRWV Daily Target ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-12-17T1 0:53:52-06:00
103	CORX	2x Corn ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
104	COTG	Leverage Shares 2X Long COST Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
105	COZX	Tradr 2X Long CORZ Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
106	CPXR	USCF Daily Target 2X Copper Index ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
107	CPZ	Calamos Long/Short Equity & Dynamic Income Trust - Closed End Fund	ETF	leveraged_index_inverse	inverse_context	2025-12-17T1 0:53:52-06:00
108	CRCA	ProShares Ultra CRCL	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
109	CRCD	T-REX 2X Inverse CRCL Daily Target ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-12-17T1 0:53:52-06:00
110	CRCG	Leverage Shares 2X Long CRCL Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
111	CRDU	Tradr 2X Long CRDO Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
112	CRMG	Leverage Shares 2X Long CRM Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
113	CRSH	YieldMax Short TSLA Option Income Strategy ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
114	CRWG	Leverage Shares 2X Long CRWV Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
115	CRWL	GraniteShares 2x Long CRWD Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
116	CRWU	T-REX 2X Long CRWV Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
117	CSCL	Direxion Daily CSCO Bull 2X ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
118	CSCS	Direxion Daily CSCO Bear 1X ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
119	CSEX	Tradr 2X Long CLS Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
120	CURE	Direxion Daily Healthcare Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
121	CVNX	Defiance Daily Target 2X Long CVNA ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
122	CVSB	Calvert Ultra-Short Investment Grade ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-12-17T1 0:53:52-06:00
123	CWEB	Direxion Daily CSI China Internet Index Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00

#	symbol	name	etp_type	category	reasons	timestamp
124	CWVX	Tradr 2X Long CRWV Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
125	CXRN	Teucrium 2x Daily Corn ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
126	DAMD	Defiance Daily Target 2X Short AMD ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
127	DASX	Tradr 2X Long DASH Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
128	DDM	ProShares Ultra Dow30	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
129	DFEN	Direxion Daily Aerospace & Defense Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
130	DFII	FT Vest Bitcoin Strategy & Target Income ETF	ETF	crypto_futures	etf_flag_Y, type_etf, futures_keyword	2025-12-17T1 0:53:52-06:00
131	DGZ	DB Gold Short ETN due February 15, 2038	ETN	leveraged_single_stock_inverse	type_etn_by_name, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
132	DIG	ProShares Ultra Energy	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
133	DIPS	YieldMax Short NVDA Option Income Strategy ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
134	DJTU	T-REX 2X Long DJT Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
135	DKNX	Defiance Daily Target 2X Long DKNG ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
136	DKUP	T-REX 2X Long DKNG Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
137	DLLL	GraniteShares 2x Long DELL Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
138	DOG	ProShares Short Dow30	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-12-17T1 0:53:52-06:00
139	DOGD	Tradr 2X Long DDOG Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
140	DPST	Direxion Daily Regional Banks Bull 3X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
141	DRIP	Direxion Daily S&P; Oil & Gas Exp. & Prod. Bear 2X Shares	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-12-17T1 0:53:52-06:00
142	DRN	Direxion Daily Real Estate Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
143	DRV	Direxion Daily Real Estate Bear 3X Shares	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-12-17T1 0:53:52-06:00
144	DUG	ProShares UltraShort Energy	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
145	DULL	MicroSectors Gold -3X Inverse Leveraged ETNs due January 29, 2043	ETN	leveraged_index_inverse	etf_flag_Y, type_etn_by_name, leverage_context, inverse_context	2025-12-17T1 0:53:52-06:00
146	DUOG	Leverage Shares 2X Long DUOL Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
147	DUSL	Direxion Daily Industrials Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00

#	symbol	name	etp_type	category	reasons	timestamp
148	DUST	Direxion Daily Gold Miners Index Bear 2X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
149	DWSH	AdvisorShares Dorsey Wright Short ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
150	DXD	ProShares UltraShort Dow30	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
151	DZZ	DB Gold Double Short ETN due February 15, 2038	ETN	leveraged_single_stock_inverse	type_etn_by_name, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
152	EDC	Direxion Emerging Markets Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
153	EDZ	Direxion Emerging Markets Bear 3X Shares	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-12-17T1 0:53:52-06:00
154	EET	ProShares Ultra MSCI Emerging Markets	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
155	EEV	ProShares UltraShort MSCI Emerging Markets	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
156	EFO	ProShares Ultra MSCI EAFE	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
157	EFU	ProShares UltraShort MSCI EAFE	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
158	EFZ	ProShares Short MSCI EAFE	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
159	EHLS	Even Herd Long Short ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
160	ELIL	Direxion Daily LLY Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
161	ELIS	Direxion Daily LLY Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
162	ENPX	Tradr 2X Long ENPH Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
163	EPV	ProShares UltraShort FTSE Europe ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
164	ERX	Direxion Energy Bull 2X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
165	ERY	Direxion Daily Energy Bear 2X Shares	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-12-17T1 0:53:52-06:00
166	ESBG	First Trust Enhanced Stocks, Bonds & Gold ETF	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity	2025-12-17T1 0:53:52-06:00
167	ETH	Grayscale Ethereum Mini Trust (ETH)	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-12-17T1 0:53:52-06:00
168	ETHA	iShares Ethereum Trust ETF	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-12-17T1 0:53:52-06:00
169	ETHD	ProShares UltraShort Ether ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
170	ETHE	Grayscale Ethereum Trust (ETH)	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-12-17T1 0:53:52-06:00
171	ETHT	ProShares Ultra Ether ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00

#	symbol	name	etp_type	category	reasons	timestamp
172	ETHU	2x Ether ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
173	ETQ	T-Rex 2X Inverse Ether Daily Target ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-12-17T1 0:53:52-06:00
174	ETRL	GraniteShares 2x Long ETOR Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
175	ETU	T-Rex 2X Long Ether Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
176	EUM	ProShares Short MSCI Emerging Markets	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
177	EUO	ProShares UltraShort Euro	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
178	EURL	Direxion Daily FTSE Europe Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
179	EWV	ProShares UltraShort MSCI Japan	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
180	EZBC	Franklin Templeton Digital Holdings Trust Shares of Franklin Bitcoin ETF	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-12-17T1 0:53:52-06:00
181	EZJ	ProShares Ultra MSCI Japan	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
182	FAS	Direxion Financial Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
183	FAZ	Direxion Financial Bear 3X Shares	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-12-17T1 0:53:52-06:00
184	FBL	GraniteShares 2x Long META Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
185	FCG	First Trust Natural Gas ETF	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity	2025-12-17T1 0:53:52-06:00
186	FFLS	The Future Fund Long/Short ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
187	FIAT	YieldMax Short COIN Option Income Strategy ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
188	FIGG	Leverage Shares 2x Long FIG Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
189	FLYD	MicroSectors Travel -3x Inverse Leveraged ETN	ETN	leveraged_index_inverse	etf_flag_Y, type_etn_by_name, leverage_context, inverse_context	2025-12-17T1 0:53:52-06:00
190	FLYT	Trad'r 2X Long FLY Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
191	FLYU	MicroSectors Travel 3x Leveraged ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-12-17T1 0:53:52-06:00
192	FNGD	MicroSectors FANG Index -3X Inverse Leveraged ETNs due January 8, 2038	ETN	leveraged_index_inverse	type_etn_by_name, leverage_context, inverse_context	2025-12-17T1 0:53:52-06:00
193	FNGG	Direxion Daily NYSE FANG+ Bull 2X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
194	FNGO	MicroSectors FANG Index 2X Leveraged ETNs due January 8, 2038	ETN	leveraged_index_long	type_etn_by_name, leverage_context	2025-12-17T1 0:53:52-06:00
195	FNGU	MicroSectors FANG+ 3X Leveraged ETNs	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-12-17T1 0:53:52-06:00

#	symbol	name	etp_type	category	reasons	timestamp
196	FRDD	Direxion Daily F Bear 1X ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
197	FRDU	Direxion Daily F Bull 2X ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
198	FTLS	First Trust Long/Short Equity	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-12-17T1 0:53:52-06:00
199	FTXN	First Trust Nasdaq Oil & Gas ETF	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity	2025-12-17T1 0:53:52-06:00
200	FUTG	Leverage Shares 2x Long FUTU Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
201	FXP	ProShares UltraShort FTSE China 50	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
202	GBTC	Grayscale Bitcoin Trust (BTC)	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-12-17T1 0:53:52-06:00
203	GDE	WisdomTree Efficient Gold Plus Equity Strategy Fund	ETF	commodity_futures	etf_flag_Y, type_etf, futures_keyword	2025-12-17T1 0:53:52-06:00
204	GDMN	WisdomTree Efficient Gold Plus Gold Miners Strategy Fund	ETF	commodity_futures	etf_flag_Y, type_etf, futures_keyword	2025-12-17T1 0:53:52-06:00
205	GDXD	MicroSectors Gold Miners -3X Inverse Leveraged ETNs	ETN	leveraged_index_inverse	etf_flag_Y, type_etn_by_name, leverage_context, inverse_context	2025-12-17T1 0:53:52-06:00
206	GDXU	MicroSectors Gold Miners 3X Leveraged ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-12-17T1 0:53:52-06:00
207	GDXY	YieldMax Gold Miners Option Income Strategy ETF	ETF	commodity_futures	etf_flag_Y, type_etf, futures_keyword	2025-12-17T1 0:53:52-06:00
208	GEMG	Leverage Shares 2X Long GEMI Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
209	GEVG	Leverage Shares 2X Long GEV Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
210	GEVX	Tradr 2X Long GEV Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
211	GGLL	Direxion Daily GOOGL Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
212	GGLS	Direxion Daily GOOGL Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
213	GGN	GAMCO Global Gold, Natural Resources & Income Trust	Trust	commodity_physical_trust	type_trust_with_commodity	2025-12-17T1 0:53:52-06:00
214	GGN\$B	GAMCO Global Gold, Natural Resources & Income Trust 5.00% Series B Cumulative 25.00 Liquidation Preference	Trust	commodity_physical_trust	type_trust_with_commodity	2025-12-17T1 0:53:52-06:00
215	GLDM	SPDR Gold MiniShares Trust	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity	2025-12-17T1 0:53:52-06:00
216	GLGG	Leverage Shares 2X Long GLXY Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
217	GLL	ProShares UltraShort Gold	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
218	GLXU	T-REX 2X Long GLXY Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
219	GMEU	T-REX 2X Long GME Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00

#	symbol	name	etp_type	category	reasons	timestamp
220	GNL	GAMCO Natural Resources, Gold & Income Trust	Trust	commodity_physical_trust	type_trust_with_commodity	2025-12-17T1 0:53:52-06:00
221	GOLY	Strategy Shares Gold Enhanced Yield ETF	ETF	commodity_futures	etf_flag_Y, type_etf, futures_keyword	2025-12-17T1 0:53:52-06:00
222	GOOX	T-Rex 2X Long Alphabet Daily Target ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
223	GOU	GraniteShares 2x Long GOOGL Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
224	GRAG	Leverage Shares 2X Long GRAB Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
225	GSX	Tradr 2X Long GS Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
226	GUSH	Direxion Daily S&P; Oil & Gas Exp. & Prod. Bull 2X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
227	HDGE	Ranger Equity Bear Bear ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-12-17T1 0:53:52-06:00
228	HFEQ	Unlimited HFEQ Equity Long/Short ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
229	HIBL	Direxion Daily S&P; 500 High Beta Bull 3X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
230	HIBS	Direxion Daily S&P; 500 High Beta Bear 3X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
231	HIMZ	Defiance Daily Target 2X Long HIMS ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
232	HODL	VanEck Bitcoin Trust	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-12-17T1 0:53:52-06:00
233	HODU	Direxion Daily HOOD Bull 2X ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
234	HOOG	Leverage Shares 2X Long HOOD Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
235	HOOX	Defiance Daily Target 2X Long HOOD ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
236	HOOZ	Defiance Daily Target 2X Short HOOD ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
237	IAU	iShares Gold Trust Shares	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity	2025-12-17T1 0:53:52-06:00
238	IAUM	iShares Gold Trust Micro Shares	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity	2025-12-17T1 0:53:52-06:00
239	IBIT	iShares Bitcoin Trust ETF	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-12-17T1 0:53:52-06:00
240	IETH	Bitwise Ethereum Option Income Strategy ETF	ETF	crypto_futures	etf_flag_Y, type_etf, futures_keyword	2025-12-17T1 0:53:52-06:00
241	IGLD	FT Vest Gold Strategy Target Income ETF	ETF	commodity_futures	etf_flag_Y, type_etf, futures_keyword	2025-12-17T1 0:53:52-06:00
242	INDL	Direxion Daily MSCI India Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
243	INTW	GraniteShares 2x Long INTC Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00

#	symbol	name	etp_type	category	reasons	timestamp
244	IONL	GraniteShares 2x Long IONQ Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
245	IONX	Defiance Daily Target 2X Long IONQ ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
246	IONZ	Defiance Daily Target 2x Short IONQ ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
247	IRE	Defiance Daily Target 2X Long IREN ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
248	IREG	Leverage Shares 2X Long IREN Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
249	IREX	Tradr 2X Long IREN Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
250	ISUL	GraniteShares 2x Long ISRG Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
251	IWDL	ETRACS 2x Leveraged US Value Factor TR ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-12-17T1 0:53:52-06:00
252	IWFL	ETRACS 2x Leveraged US Growth Factor TR ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-12-17T1 0:53:52-06:00
253	IWML	ETRACS 2x Leveraged US Size Factor TR ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-12-17T1 0:53:52-06:00
254	JDST	Direxion Daily Junior Gold Miners Index Bear 2X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
255	JETD	MAX Airlines -3X Inverse Leveraged ETNs	ETN	leveraged_index_inverse	etf_flag_Y, type_etn_by_name, leverage_context, inverse_context	2025-12-17T1 0:53:52-06:00
256	JETU	MAX Airlines 3X Leveraged ETNs	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-12-17T1 0:53:52-06:00
257	JNUG	Direxion Daily Junior Gold Miners Index Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
258	JOBX	Tradr 2X Long JOBY Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
259	JPX	Defiance Daily Target 2X Long JPM ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
260	KBAB	KraneShares 2x Long BABA Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
261	KBDU	KraneShares 2x Long BIDU Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
262	KJD	KraneShares 2x Long JD Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
263	KMLI	KraneShares 2x Long MELI Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
264	KOLD	ProShares UltraShort Bloomberg Natural Gas	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
265	KORU	Direxion Daily South Korea Bull 3X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
266	KPDD	KraneShares 2x Long PDD Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
267	KTUP	T-REX 2X Long KTOS Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00

#	symbol	name	etp_type	category	reasons	timestamp
268	LABD	Direxion Daily S&P; Biotech Bear 3X Shares	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-12-17T1 0:53:52-06:00
269	LABU	Direxion Daily S&P; Biotech Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
270	LABX	Tradr 2X Long ALAB Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
271	LACG	Leverage Shares 2X Long LAC Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
272	LBAY	Leatherback Long/Short Alternative Yield ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-12-17T1 0:53:52-06:00
273	LCDL	GraniteShares 2x Long LCID Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
274	LINT	Direxion Daily INTC Bull 2X ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
275	LLYX	Defiance Daily Target 2X Long LLY ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
276	LLYZ	Defiance Daily Target 2X Short LLY ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
277	LMBO	Direxion Daily Crypto Industry Bull 2X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
278	LMNX	Defiance Daily Target 2x Long LMND ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
279	LMTL	Direxion Daily LMT Bull 2X ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
280	LMTS	Direxion Daily LMT Bear 1X ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
281	LRCU	Tradr 2X Long LRCX Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
282	LSEQ	Harbor Long-Short Equity ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-12-17T1 0:53:52-06:00
283	LTL	ProShares Ultra Communication Services	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
284	LULG	Leverage Shares 2X Long LULU Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
285	LYFX	Tradr 2X Long LYFT Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
286	MAGX	Roundhill Daily 2X Long Magnificent Seven ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
287	MAXI	Simplify Bitcoin Strategy PLUS Income ETF	ETF	crypto_futures	etf_flag_Y, type_etf, futures_keyword	2025-12-17T1 0:53:52-06:00
288	MDBX	Tradr 2X Long MDB Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
289	METD	Direxion Daily META Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
290	METU	Direxion Daily META Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
291	MEXX	Direxion Daily MSCI Mexico Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00

#	symbol	name	etp_type	category	reasons	timestamp
292	MIDU	Direxion Mid Cap Bull 3X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
293	MLPR	ETRACS Quarterly Pay 1.5X Leveraged Alerian MLP Index ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-12-17T1 0:53:52-06:00
294	MPG	Leverage Shares 2X Long MP Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
295	MPL	Defiance Daily Target 2X Long MP ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
296	MQQQ	Tradr 2X Long Innovation 100 Monthly ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
297	MRAL	GraniteShares 2x Long MARA Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
298	MSDD	GraniteShares 2x Short MSTR Daily ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
299	MSFD	Direxion Daily MSFT Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
300	MSFL	GraniteShares 2x Long MSFT Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
301	MSFU	Direxion Daily MSFT Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
302	MSFX	T-Rex 2X Long Microsoft Daily Target ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
303	MSOO	Leverage Shares 2x Capped Accelerated MSTR Monthly ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
304	MSTP	GraniteShares 2x Long MSTR Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
305	MSTU	T-Rex 2X Long MSTR Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
306	MSTX	Defiance Daily Target 2x Long MSTR ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
307	MSTZ	T-Rex 2X Inverse MSTR Daily Target ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-12-17T1 0:53:52-06:00
308	MTUL	ETRACS 2x Leveraged MSCI US Momentum Factor TR ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-12-17T1 0:53:52-06:00
309	MUD	Direxion Daily MU Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
310	MULL	GraniteShares 2x Long MU Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
311	MUU	Direxion Daily MU Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
312	MVLL	GraniteShares 2x Long MRVL Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
313	MVO	MV Oil Trust Units of Beneficial Interests	Trust	commodity_physical_trust	type_trust_with_commodity	2025-12-17T1 0:53:52-06:00
314	MVRL	ETRACS Monthly Pay 1.5X Leveraged Mortgage REIT ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-12-17T1 0:53:52-06:00
315	MVV	ProShares Ultra MidCap400	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00

#	symbol	name	etp_type	category	reasons	timestamp
316	MYY	ProShares Short MidCap400	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-12-17T1 0:53:52-06:00
317	MZZ	ProShares UltraShort MidCap400	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
318	NAIL	Direxion Daily Homebuilders & Supplies Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
319	NBIG	Leverage Shares 2X Long NBIS Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
320	NBIL	GraniteShares 2x Long NBIS Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
321	NEBX	Tradr 2X Long NBIS Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
322	NEMG	Leverage Shares 2x Long NEM Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
323	NETG	Leverage Shares 2X Long NET Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
324	NETX	Tradr 2X Long NET Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
325	NFLU	T-Rex 2X Long NFLX Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
326	NFXL	Direxion Daily NFLX Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
327	NFXS	Direxion Daily NFLX Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
328	NLSI	NEOS Long/Short Equity Income ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-12-17T1 0:53:52-06:00
329	NNEX	Tradr 2X Long NNE Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
330	NOWL	GraniteShares 2x Long NOW Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
331	NRGD	MicroSectors U.S. Big Oil -3 Inverse Leveraged ETNs due February 17, 2045	ETN	leveraged_index_inverse	etf_flag_Y, type_etn_by_name, inverse_context	2025-12-17T1 0:53:52-06:00
332	NRT	North European Oil Royalty Trust Common Stock	Trust	commodity_physical_trust	type_trust_with_commodity	2025-12-17T1 0:53:52-06:00
333	NUG	Leverage Shares 2X Long NU Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
334	NUGT	Direxion Daily Gold Miners Index Bull 2XShares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
335	NVD	GraniteShares 2x Short NVDA Daily ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
336	NVDB	ProShares Ultra NVDA	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
337	NVDD	Direxion Daily NVDA Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
338	NVDG	Leverage Shares 2X Long NVDA Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
339	NVDL	GraniteShares 2x Long NVDA Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00

#	symbol	name	etp_type	category	reasons	timestamp
340	NVDO	Leverage Shares 2x Capped Accelerated NVDA Monthly ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
341	NVDQ	T-Rex 2X Inverse NVIDIA Daily Target ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-12-17T1 0:53:52-06:00
342	NVDS	Tradr 1.5X Short NVDA Daily ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
343	NVDU	Direxion Daily NVDA Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
344	NVDX	T-Rex 2X Long NVIDIA Daily Target ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
345	NVOX	Defiance Daily Target 2X Long NVO ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
346	NVTX	Tradr 2X Long NVTS Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
347	NWMX	Tradr 2X Long NEM Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
348	OILD	MicroSectors Oil & Gas Exp. & Prod. -3x Inverse Leveraged ETN	ETN	leveraged_index_inverse	etf_flag_Y, type_etn_by_name, leverage_context, inverse_context	2025-12-17T1 0:53:52-06:00
349	OILU	MicroSectors Oil & Gas Exp. & Prod. 3x Leveraged ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-12-17T1 0:53:52-06:00
350	OKLL	Defiance Daily Target 2x Long OKLO ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
351	OKLS	Defiance Daily Target 2X Short OKLO ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
352	OKTG	Leverage Shares 2X Long OKTA Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
353	OKTX	Tradr 2X Long OKTA Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
354	OPEG	Leverage Shares 2X Long OPEN Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
355	OPEX	Tradr 2X Long OPEN Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
356	ORCS	Direxion Daily ORCL Bear 1X ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
357	ORCU	Direxion Daily ORCL Bull 2X ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
358	ORCX	Defiance Daily Target 2X Long ORCL ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
359	ORR	Militia Long/Short Equity ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-12-17T1 0:53:52-06:00
360	OSCG	Leverage Shares 2X Long OSCR Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
361	OSCX	Defiance Daily Target 2x Long OSCR ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
362	PALD	Direxion Daily PANW Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
363	PALL	abrdn Physical Palladium Shares ETF	ETF	commodity_physical_trust	etf_flag_Y, type_etf, physical_keyword	2025-12-17T1 0:53:52-06:00

#	symbol	name	etp_type	category	reasons	timestamp
364	PALU	Direxion Daily PANW Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
365	PANG	Leverage Shares 2X Long PANW Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
366	PDDL	GraniteShares 2x Long PDD Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
367	PHYS	Sprott Physical Gold Trust ETV	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity, physical_keyword	2025-12-17T1 0:53:52-06:00
368	PILL	Direxion Daily Pharmaceutical & Medical Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
369	PLOO	Leverage Shares 2x Capped Accelerated PLTR Monthly ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
370	PLTA	ProShares Ultra PLTR	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
371	PLTD	Direxion Daily PLTR Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
372	PLTG	Leverage Shares 2X Long PLTR Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
373	PLTU	Direxion Daily PLTR Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
374	PLTZ	Defiance Daily Target 2x Short PLTR ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
375	PONX	Trad'r 2X Long PONY Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
376	PPLT	abrdn Physical Platinum Shares ETF	ETF	commodity_physical_trust	etf_flag_Y, type_etf, physical_keyword	2025-12-17T1 0:53:52-06:00
377	PSLV	Sprott Physical Silver Trust ETV	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity, physical_keyword	2025-12-17T1 0:53:52-06:00
378	PSQ	ProShares Short QQQ	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
379	PST	ProShares UltraShort Lehman 7-10 Year Treasury	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
380	PTIR	GraniteShares 2x Long PLTR Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
381	PULT	Putnam ESG Ultra Short ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
382	PXIU	T-REX 2X Long UPXI Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
383	PYPG	Leverage Shares 2X Long PYPL Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
384	QBER	TrueShares Quarterly Bear Hedge ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-12-17T1 0:53:52-06:00
385	QBTX	Trad'r 2X Long QBTS Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
386	QBTZ	Defiance Daily Target 2x Short QBTS ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
387	QCMD	Direxion Daily QCOM Bear 1X ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00

#	symbol	name	etp_type	category	reasons	timestamp
388	QCML	GraniteShares 2x Long QCOM Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
389	QCMU	Direxion Daily QCOM Bull 2X ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
390	QID	ProShares UltraShort QQQ	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
391	QLD	ProShares Ultra QQQ	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
392	QPUX	Defiance 2X Daily Long Pure Quantum ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
393	QQDN	ProShares UltraShort QQQ Mega	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
394	QQDQ	Direxion Daily Magnificent 7 Bear 1X Shares	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-12-17T1 0:53:52-06:00
395	QQQP	Tradr 2X Long Innovation 100 Quarterly ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
396	QQQU	Direxion Daily Magnificent 7 Bull 2X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
397	QQUP	ProShares Ultra QQQ Mega	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
398	QQXL	ProShares Ultra QQQ Top 30	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
399	QSU	Defiance Daily Target 2X Long QS ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
400	QSX	Tradr 2X Long QS Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
401	QUBX	Tradr 2X Long QUBT Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
402	QULL	ETRACS 2x Leveraged MSCI US Quality Factor TR ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-12-17T1 0:53:52-06:00
403	RBLU	T-REX 2X Long RBLX Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
404	RDTL	GraniteShares 2x Long RDDT Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
405	REK	ProShares Short Real Estate	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
406	REKT	Direxion Daily Crypto Industry Bear 1X Shares	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-12-17T1 0:53:52-06:00
407	RETL	Direxion Daily Retail Bull 3X Shares ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
408	REW	ProShares UltraShort Technology	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
409	RGTU	Tradr 2X Long RGTI Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
410	RGTX	Defiance Daily Target 2X Long RGTI ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
411	RGTZ	Defiance Daily Target 2x Short RGTI ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00

#	symbol	name	etp_type	category	reasons	timestamp
412	RIOX	Defiance Daily Target 2X Long RIOT ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
413	RKLX	Defiance Daily Target 2X Long RKLX ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
414	RKLZ	Defiance Daily Target 2x Short RKLZ ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
415	ROBN	T-Rex 2X Long HOOD Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
416	ROM	ProShares Ultra Technology	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
417	RTXG	Leverage Shares 2X Long RTX Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
418	RVNL	GraniteShares 2x Long RIVN Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
419	RWM	ProShares Short Russell2000	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-12-17T1 0:53:52-06:00
420	RXD	ProShares UltraShort Health Care	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
421	RXL	ProShares Ultra Health Care	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
422	SAA	ProShares Ultra SmallCap600	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
423	SARK	Tradr 1X Short Innovation Daily ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-12-17T1 0:53:52-06:00
424	SATG	Leverage Shares 2X Long SATS Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
425	SBB	ProShares Short SmallCap600	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-12-17T1 0:53:52-06:00
426	SBIT	ProShares UltraShort Bitcoin ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
427	SBTU	T-REX 2X Long SBET Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
428	SBU	Leverage Shares 2X Long SBUX Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
429	SCC	ProShares UltraShort Consumer Discretionary	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
430	SCDL	ETRACS 2x Leveraged US Dividend Factor TR ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-12-17T1 0:53:52-06:00
431	SCLS	Stoneport Advisors Commodity Long Short ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
432	SCO	ProShares UltraShort Bloomberg Crude Oil	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
433	SDD	ProShares UltraShort SmallCap600	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
434	SDOW	UltraPro Short Dow30	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_ultrapro_implies_3x, inverse_keyword_under_brand, implied_multiplier_3x	2025-12-17T1 0:53:52-06:00
435	SDP	ProShares UltraShort Utilities	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00

#	symbol	name	etp_type	category	reasons	timestamp
436	SDS	ProShares UltraShort S&P500;	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
437	SEF	ProShares Short Financials	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-12-17T1 0:53:52-06:00
438	SETH	ProShares Short Ether ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
439	SGOL	abrdn Physical Gold Shares ETF	ETF	commodity_physical_trust	etf_flag_Y, type_etf, physical_keyword	2025-12-17T1 0:53:52-06:00
440	SH	ProShares Short S&P500;	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
441	SHNY	MicroSectors Gold 3X Leveraged ETNs due January 29, 2043	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-12-17T1 0:53:52-06:00
442	SHPD	Direxion Daily SHOP Bear 1X ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
443	SHPU	Direxion Daily SHOP Bull 2X ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
444	SHRT	Gotham Short Strategies ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-12-17T1 0:53:52-06:00
445	SHYD	VanEck Short High Yield Muni ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
446	SIJ	ProShares UltraShort Industrials	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
447	SIVR	abrdn Physical Silver Shares ETF	ETF	commodity_physical_trust	etf_flag_Y, type_etf, physical_keyword	2025-12-17T1 0:53:52-06:00
448	SJB	ProShares Short High Yield	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
449	SKF	ProShares UltraShort Financials	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
450	SKRE	Tuttle Capital Daily 2X Inverse Regional Banks ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-12-17T1 0:53:52-06:00
451	SKYU	ProShares Ultra Cloud Computing	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
452	SLON	ProShares Ultra Solana ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
453	SLTY	YieldMax Ultra Short Option Income Strategy ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-12-17T1 0:53:52-06:00
454	SLV	iShares Silver Trust	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity	2025-12-17T1 0:53:52-06:00
455	SLVR	Sprott Silver Miners & Physical Silver ETF	ETF	commodity_physical_trust	etf_flag_Y, type_etf, physical_keyword	2025-12-17T1 0:53:52-06:00
456	SMCL	GraniteShares 2x Long SMCI Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
457	SMCX	Defiance Daily Target 2X Long SMCI ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
458	SMCZ	Defiance Daily Target 2X Short SMCI ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
459	SMDD	UltraPro Short MidCap400	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_ultrapro_implies_3x, inverse_keyword_under_brand, implied_multiplier_3x	2025-12-17T1 0:53:52-06:00

#	symbol	name	etp_type	category	reasons	timestamp
460	SMHB	ETRACS Monthly Pay 2x Leveraged Small Cap High Dividend ETN Series B	ETN	leveraged_index_long	type_etn_by_name, leverage_context	2025-12-17T1 0:53:52-06:00
461	SMN	ProShares UltraShort Materials	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
462	SMQ	Tradr 1X Short Innovation 100 Monthly ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-12-17T1 0:53:52-06:00
463	SMST	Defiance Daily Target 2x Short MSTR ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
464	SMU	Tradr 2X Long SMR Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
465	SMUP	T-REX 2X Long SMR Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
466	SNOU	T-REX 2X Long SNOW Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
467	SNPX	Tradr 2X Long SNPS Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
468	SOFX	Defiance Daily Target 2X Long SOFI ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
469	SOLT	2x Solana ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
470	SOLX	T-REX 2X Long SOL Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
471	SOUX	Defiance Daily Target 2X Long SOUN ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
472	SOXL	Direxion Daily Semiconductor Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
473	SOXS	Direxion Daily Semiconductor Bear 3X Shares	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-12-17T1 0:53:52-06:00
474	SPBC	Simplify US Equity PLUS Bitcoin Strategy ETF	ETF	crypto_futures	etf_flag_Y, type_etf, futures_keyword	2025-12-17T1 0:53:52-06:00
475	SPDN	Direxion Daily S&P; 500 Bear 1X Shares	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-12-17T1 0:53:52-06:00
476	SPOG	Leverage Shares 2X Long SPOT Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
477	SPPP	Sprott Physical Platinum and Palladium Trust	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity, physical_keyword	2025-12-17T1 0:53:52-06:00
478	SPUU	Direxion Daily S&P; 500 Bull 2X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
479	SPXL	Direxion Daily S&P; 500 Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
480	SPXS	Direxion Daily S&P; 500 Bear 3X	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-12-17T1 0:53:52-06:00
481	SPXU	ProShares UltraPro Short S&P500;	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, brand_ultrapro_implies_3x, inverse_keyword_under_brand, implied_multiplier_3x	2025-12-17T1 0:53:52-06:00
482	SPYQ	Tradr 2X Long SPY Quarterly ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
483	SPYU	MAX S&P; 500 4X Leveraged ETNs due October 30, 2043	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-12-17T1 0:53:52-06:00

#	symbol	name	etp_type	category	reasons	timestamp
484	SQQQ	ProShares UltraPro Short QQQ	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, brand_ultrapro_implies_3x, inverse_keyword_under_brand, implied_multiplier_3x	2025-12-17T1 0:53:52-06:00
485	SRPU	Tradr 2X Long SRPT Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
486	SRS	ProShares UltraShort Real Estate	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
487	SRTY	ProShares UltraPro Short Russell2000	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_ultrapro_implies_3x, inverse_keyword_under_brand, implied_multiplier_3x	2025-12-17T1 0:53:52-06:00
488	SSG	ProShares UltraShort Semiconductors	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
489	SSO	ProShares Ultra S&P500;	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
490	STSM	Defiance Daily Target 2X Short TSM ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
491	SVIX	-1x Short VIX Futures ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
492	SVXY	ProShares Short VIX Short Term Futures ETF	ETF	commodity_futures	etf_flag_Y, type_etf, futures_keyword	2025-12-17T1 0:53:52-06:00
493	SZK	ProShares UltraShort Consumer Staples	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
494	TARK	Tradr 2X Long Innovation ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
495	TBF	ProShares Short 20+ Year Treasury	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-12-17T1 0:53:52-06:00
496	TBT	ProShares UltraShort Lehman 20 Year Treasury	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
497	TBX	ProShares Short 7 10 Year Treasury	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-12-17T1 0:53:52-06:00
498	TBXU	Direxion Daily Biotech Top 5 Bull 2X ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
499	TECL	Direxion Technology Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
500	TECS	Direxion Technology Bear 3X Shares	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-12-17T1 0:53:52-06:00
501	TEMT	Tradr 2X Long TEM Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
502	TERG	Leverage Shares 2X Long TER Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
503	TEXU	Direxion Daily Energy Top 5 Bull 2X ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
504	TMF	Direxion Daily 20-Yr Treasury Bull 3x Shrs	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
505	TMV	Direxion Daily 20-Year Treasury Bear 3X	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-12-17T1 0:53:52-06:00
506	TNA	Direxion Small Cap Bull 3X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
507	TOAK	Manager Directed Portfolios Twin Oak Short Horizon Absolute Return ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-12-17T1 0:53:52-06:00

#	symbol	name	etp_type	category	reasons	timestamp
508	TPOR	Direxion Daily Transportation Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
509	TQQQ	ProShares UltraPro QQQ	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_ultrapro_implies_3x, implied_multiplier_3x	2025-12-17T1 0:53:52-06:00
510	TSDD	GraniteShares 2x Short TSLA Daily ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
511	TSLG	Leverage Shares 2X Long TSLA Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
512	TSLI	ProShares Ultra TSLA	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
513	TSLL	Direxion Daily TSLA Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
514	TSLO	Leverage Shares 2x Capped Accelerated TSLA Monthly ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
515	TSLQ	Tradr 2X Short TSLA Daily ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
516	TSLR	GraniteShares 2x Long TSLA Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
517	TSLS	Direxion Daily TSLA Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
518	TSLT	T-REX 2X Long Tesla Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
519	TSLZ	T-Rex 2X Inverse Tesla Daily Target ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-12-17T1 0:53:52-06:00
520	TSMG	Leverage Shares 2X Long TSM Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
521	TSMU	GraniteShares 2x Long TSM Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
522	TSMX	Direxion Daily TSM Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
523	TSMZ	Direxion Daily TSM Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
524	TSXD	Direxion Daily Semiconductors Top 5 Bear 2X ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-12-17T1 0:53:52-06:00
525	TSXU	Direxion Daily Semiconductors Top 5 Bull 2X ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
526	TTDU	T-REX 2X Long TTD Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
527	TTT	ProShares UltraPro Short 20 Year Treasury	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_ultrapro_implies_3x, inverse_keyword_under_brand, implied_multiplier_3x	2025-12-17T1 0:53:52-06:00
528	TTXD	Direxion Daily Technology Top 5 Bear 2X ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-12-17T1 0:53:52-06:00
529	TTXU	Direxion Daily Technology Top 5 Bull 2X ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
530	TWM	ProShares UltraShort Russell2000	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
531	TXXD	21Shares 2x Long Dogecoin ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00

#	symbol	name	etp_type	category	reasons	timestamp
532	TXXS	21Shares 2x Long Sui ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
533	TYD	Direxion Daily 10-Yr Treasury Bull 3x Shrs	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
534	TYO	Direxion Daily 10-Yr Treasury Bear 3x Shrs	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-12-17T1 0:53:52-06:00
535	TZA	Direxion Small Cap Bear 3X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
536	UBOT	Direxion Daily Robotics, Artificial Intelligence & Automation Index Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
537	UBR	ProShares Ultra MSCI Brazil Capped	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
538	UBRL	GraniteShares 2x Long UBER Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
539	UBT	ProShares Ultra 20+ Year Treasury	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
540	UCC	ProShares Ultra Consumer Discretionary	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
541	UCO	ProShares Ultra Bloomberg Crude Oil	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
542	UCYB	ProShares Ultra Nasdaq Cybersecurity	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
543	UDOW	ProShares UltraPro Dow30	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_ultrapro_implies_3x, implied_multiplier_3x	2025-12-17T1 0:53:52-06:00
544	UGE	ProShares Ultra Consumer Staples	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
545	UGL	ProShares Ultra Gold	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
546	UJB	ProShares Ultra High Yield ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
547	ULE	ProShares Ultra Euro	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
548	UMDD	UltraPro MidCap400	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_ultrapro_implies_3x, implied_multiplier_3x	2025-12-17T1 0:53:52-06:00
549	UNHG	Leverage Shares 2X Long UNH Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
550	UNX	Tradr 2X Long U Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
551	UPRO	ProShares UltraPro S&P; 500	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_ultrapro_implies_3x, implied_multiplier_3x	2025-12-17T1 0:53:52-06:00
552	UPSG	Leverage Shares 2X Long UPS Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
553	UPSX	Tradr 2X Long UPST Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
554	UPV	ProShares Ultra FTSE Europe	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
555	UPW	ProShares Ultra Utilities	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00

#	symbol	name	etp_type	category	reasons	timestamp
556	URAA	Direxion Daily Uranium Industry Bull 2X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
557	URE	ProShares Ultra Real Estate	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
558	URSP	ProShares Ultra S&P; 500 Equal Weight	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
559	URTY	ProShares UltraPro Russell2000	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_ultrapro_implies_3x, implied_multiplier_3x	2025-12-17T1 0:53:52-06:00
560	USD	ProShares Ultra Semiconductors	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
561	USG	USCF Gold Strategy Plus Income Fund	ETF	commodity_futures	etf_flag_Y, type_etf, futures_keyword	2025-12-17T1 0:53:52-06:00
562	USML	ETRACS 2x Leveraged MSCI US Minimum Volatility Factor TR ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-12-17T1 0:53:52-06:00
563	UST	ProShares Ultra 7-10 Year Treasury	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
564	UTSL	Direxion Daily Utilities Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
565	UVIX	2x Long VIX Futures ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
566	UVXY	ProShares Ultra VIX Short Term Futures ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
567	UWM	ProShares Ultra Russell2000	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
568	UXI	ProShares Ultra Industrials	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
569	UXRP	ProShares Ultra XRP ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
570	UYG	ProShares Ultra Financials	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
571	UYM	ProShares Ultra Materials	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
572	VIXM	VIX Mid-Term Futures ETF	ETF	commodity_futures	etf_flag_Y, type_etf, futures_keyword	2025-12-17T1 0:53:52-06:00
573	VIXY	VIX Short-Term Futures ETF	ETF	commodity_futures	etf_flag_Y, type_etf, futures_keyword	2025-12-17T1 0:53:52-06:00
574	VOYX	Tradr 2X Long VOYG Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
575	VRTL	GraniteShares 2x Long VRT Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
576	VSTL	Defiance Daily Target 2X Long VST ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
577	VXX	iPath Series B S&P; 500 VIX Short-Term Futures ETN	ETN	commodity_futures	type_etn_by_name, futures_keyword	2025-12-17T1 0:53:52-06:00
578	VXZ	iPath Series B S&P; 500 VIX Mid-Term Futures ETN	ETN	commodity_futures	type_etn_by_name, futures_keyword	2025-12-17T1 0:53:52-06:00
579	VYLD	Inverse VIX Short-Term Futures ETNs due March 22, 2045	ETN	commodity_futures	etf_flag_Y, type_etn_by_name, futures_keyword	2025-12-17T1 0:53:52-06:00

#	symbol	name	etp_type	category	reasons	timestamp
580	WANT	Direxion Daily Consumer Discretionary Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
581	WEBL	Direxion Daily Dow Jones Internet Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
582	WEBS	Direxion Daily Dow Jones Internet Bear 3X Shares	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-12-17T1 0:53:52-06:00
583	WHTX	2x Wheat ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
584	WILD	VistaShares Animal Spirits Daily 2X Strategy ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
585	WNTR	YieldMax MSTR Short Option Income Strategy ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-12-17T1 0:53:52-06:00
586	WTIB	USCF Oil Plus Bitcoin Strategy Fund	ETF	crypto_futures	etf_flag_Y, type_etf, futures_keyword	2025-12-17T1 0:53:52-06:00
587	WTID	MicroSectors Energy 3X Inverse Leveraged ETNs	ETN	leveraged_index_inverse	etf_flag_Y, type_etn_by_name, leverage_context, inverse_context	2025-12-17T1 0:53:52-06:00
588	WTIU	MicroSectors Energy 3X Leveraged ETNs	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-12-17T1 0:53:52-06:00
589	WULX	Trad'r 2X Long WULF Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
590	WXET	Teucrium 2x Daily Wheat ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
591	XOMX	Direxion Daily XOM Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
592	XOMZ	Direxion Daily XOM Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
593	XPM	Defiance Daily Target 2x Long PM ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
594	XPP	ProShares Ultra FTSE China 50	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
595	XRPK	T-REX 2X Long XRP Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
596	XRPT	Volatility Shares Trust XRP 2X ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-12-17T1 0:53:52-06:00
597	XXRP	Teucrium 2x Long Daily XRP ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
598	XYZG	Leverage Shares 2X Long XYZ Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
599	YANG	Direxion Daily FTSE China Bear 3X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
600	YBIT	YieldMax Bitcoin Option Income Strategy ETF	ETF	crypto_futures	etf_flag_Y, type_etf, futures_keyword	2025-12-17T1 0:53:52-06:00
601	YBTC	Roundhill Bitcoin Covered Call Strategy ETF	ETF	crypto_futures	etf_flag_Y, type_etf, futures_keyword	2025-12-17T1 0:53:52-06:00
602	YCL	ProShares Ultra Yen	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00
603	YCS	ProShares UltraShort Yen New	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00

#	symbol	name	etp_type	category	reasons	timestamp
604	YETH	Roundhill Ether Covered Call Strategy ETF	ETF	crypto_futures	etf_flag_Y, type_etf, futures_keyword	2025-12-17T1 0:53:52-06:00
605	YGLD	Simplify Gold Strategy PLUS Income ETF	ETF	commodity_futures	etf_flag_Y, type_etf, futures_keyword	2025-12-17T1 0:53:52-06:00
606	YINN	Direxion Daily FTSE China Bull 3X Shares	ETF	leveraged_single_stock_lon g	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
607	YQQQ	YieldMax Short N100 Option Income Strategy ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-12-17T1 0:53:52-06:00
608	YXI	ProShares Short FTSE China 50	ETF	leveraged_single_stock_inv erse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-12-17T1 0:53:52-06:00
609	ZSL	ProShares UltraShort Silver	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-12-17T1 0:53:52-06:00

Source Code (Full Listing)

Note: lines are wrapped for readability.

src/constants.py

```
import re

# Source URL for nasdaqtraded.txt
NASDAQ_TRADED_URL = "https://www.nasdaqtrader.com/dynamic/SymDir/nasdaqtraded.txt"

# Core regex snippets (compiled once)
LEVERAGE_NUM = re.compile(r"\b(?:1\.\d|2|3|4)\x\b", re.IGNORECASE)
INVERSE = re.compile(r"\b(?:-1x|-2x|inverse|short|bear)\b", re.IGNORECASE)
BRAND_CTX = re.compile(r"(?:ultrapro\b|bproshares\s+ultra\b|bdirexion\s+daily\b)", re.IGNORECASE)
BULL_BEAR = re.compile(r"\b(?:bull|bear)\b", re.IGNORECASE)

# Expanded duration/credit/cash exclusions to prevent false inverse triggers
EXCL_SHORT_DURATION = re.compile(
    r"\b(?:ultra\s+short|short[-\s]?)"
    r"(?:term|duration|maturit(?:y|ies)|treasury|t-?bill|muni|municipal|"
    r"government|gov(?:t)?|corp(?:orate)?|bond|fixed\s+income|income|cash|money\s+market)\b",
    re.IGNORECASE
)
COMMODITY =
re.compile(r"\b(gold|silver|platinum|palladium|oil|crude|brent|wti|natural\s+gas|nat\s+gas|vix|bitcoin|btc|ether|ethereum|copper)\b",
re.IGNORECASE)
FUTURES = re.compile(r"\bfutures?\b|\bfront-?month\b|\bfutures?\s+strategy\b|\bstrategy\b", re.IGNORECASE)
TRUST = re.compile(r"\btrust\b", re.IGNORECASE)
EXCL_GOLDMAN = re.compile(r"\bgold(?!\man)\b", re.IGNORECASE)
ETN = re.compile(r"\betns?\b|\bexchange-?traded\s+notes?\b|\bnotes?\s+due\b", re.IGNORECASE)
ETF_WORD = re.compile(r"\betf(s)?\b", re.IGNORECASE)

# Brand-only leverage inference
ULTRAPRO = re.compile(r"\bultrapro\b", re.IGNORECASE) # implies 3x family
PRO_ULTRA = re.compile(r"\bproshares\s+ultra\b", re.IGNORECASE) # implies 2x long unless inverse tokens present
PRO_ULTRASHORT = re.compile(r"\bproshares\s+ultrashort\b", re.IGNORECASE) # implies -2x inverse

# Single-stock cues
SINGLE_STOCK_PATTERNS = [
    re.compile(r"\bdaily\s+([A-Z]{1,5})\s+(bull|bear)\b", re.IGNORECASE),
    re.compile(r"\b(?:long|short)\s+([A-Z]{1,5})\b", re.IGNORECASE),
    re.compile(r"\b([A-Z]{1,5})\b\s+(:bull|bear)\s+(:1x|2x|3x|-1x|-2x)\b", re.IGNORECASE),
    re.compile(r"\b([A-Z]{1,5})\b\s*(?:bull|bear)", re.IGNORECASE),
]
EXPECTED_COLUMNS = [
    "Nasdaq Traded", "Symbol", "Security Name", "Listing Exchange", "Market Category",
    "ETF", "Round Lot Size", "Test Issue", "Financial Status", "CQS Symbol",
    "NASDAQ Symbol", "NextShares"
]
```

src/detectors.py

```

from __future__ import annotations
from typing import Dict, List, Tuple, Optional
import re
from . import constants as C

def _norm(s: str) -> str:
    return re.sub(r"\s+", " ", s or "").strip()

def _lower(s: str) -> str:
    return _norm(s).lower()

def _has(pattern: re.Pattern, text: str) -> bool:
    return bool(pattern.search(text))

def _single_stock_hint(name: str) -> bool:
    for pat in C.SINGLE_STOCK_PATTERNS:
        if pat.search(name):
            return True
    return False

def _is_inverse_context(name: str) -> bool:
    # Treat inverse only when not a duration/cash context
    if C.INVERSE.search(name):
        if C.EXCL_SHORT_DURATION.search(name):
            # Allow if explicit -1x/-2x or 'bear' appears outside duration context
            if re.search(r"\b(?:-1x|-2x|bear)\b", name, re.IGNORECASE):
                return True
            return False
        return True
    return False

def _is_leverage_context(name: str) -> bool:
    if C.LEVERAGE_NUM.search(name):
        return True
    # 'Ultra' alone is not sufficient; require brand + bull/bear or numeric x
    if C.BRAND_CTX.search(name) and (C.BULL_BEAR.search(name) or C.LEVERAGE_NUM.search(name)):
        return True
    return False

def _brand_implies_leverage(name: str) -> Tuple[bool, Optional[int], bool, List[str]]:
    """Return (hit, implied_mult, inverse_flag, reasons)."""
    reasons: List[str] = []
    implied_mult = None
    inverse = False
    hit = False

    if C.ULTRAPRO.search(name):
        hit = True
        implied_mult = 3
        reasons.append("brand_ultrapro_implies_3x")
    if C.PRO_ULTRA.search(name):
        hit = True
        implied_mult = 2
        reasons.append("brand_proshares_ultra_implies_2x")
    if C.PRO_ULTRASHORT.search(name):
        hit = True
        implied_mult = 2
        inverse = True
        reasons.append("brand_proshares_ultrashort_implies_minus2x")

    # If any brand hit, check for inverse tokens unless already set
    if hit and not inverse:

```

```

if re.search(r"\b(inverse|ultra)s*short|short|bear)\b", name, re.IGNORECASE) and not
C.EXCL_SHORT_DURATION.search(name):
    inverse = True
    reasons.append("inverse_keyword_under_brand")

return hit, implied_mult, inverse, reasons

def _commodity_hit(name: str) -> bool:
    if "goldman" in name:
        return bool(re.search(r"\bgold(?!man)\b", name, re.IGNORECASE)) or bool(C.COMMODITY.search(name))
    return bool(C.COMMODITY.search(name))

def detect(name: str, row: Dict[str, str]) -> Tuple[bool, Optional[str], List[str], Optional[str]]:
    """
    Returns: (matched, category, reasons, etp_type)
    """
    reasons: List[str] = []
    raw_name = name
    name = _lower(name)

    # Global pre-filters
    etp_flag = (row.get("ETF", "") .upper() == "Y")
    if etp_flag:
        reasons.append("etf_flag_Y")
    has_trust = _has(C.TRUST, name)
    has_etn = _has(C.ETN, name)
    has_etf_word = _has(C.ETF_WORD, name)

    plausible_etp = etp_flag or has_trust or has_etn or has_etf_word
    if not plausible_etp:
        return (False, None, [], None)

    # Determine etp_type
    etp_type = None
    if has_etn:
        etp_type = "ETN"
        reasons.append("type_etn_by_name")
    elif has_trust and _commodity_hit(name):
        etp_type = "Trust"
        reasons.append("type_trust_with_commodity")
    elif etp_flag or has_etf_word:
        etp_type = "ETF"
        reasons.append("type_etf")

    # Brand-only leverage inference first (to catch UltraPro/Ultra/UltraShort families)
    brand_hit, implied_mult, brand_inverse, brand_reasons = _brand_implies_leverage(name)
    if brand_hit:
        reasons.extend(brand_reasons)
        is_inverse = brand_inverse or _is_inverse_context(name)
        # Decide single-stock vs index by heuristic
        if _single_stock_hint(raw_name):
            cat = "leveraged_single_stock_inverse" if is_inverse else "leveraged_single_stock_long"
        else:
            cat = "leveraged_index_inverse" if is_inverse else "leveraged_index_long"
        reasons.append(f"implied_multiplier_{implied_mult}x" if implied_mult else
                    "implied_multiplier_unknown")
        return (True, cat, reasons, etp_type or "ETF")

    # Category 1: Leverage/Inverse via explicit tokens
    is_leverage = _is_leverage_context(name)
    is_inverse = _is_inverse_context(name)
    if is_leverage or is_inverse:

```

```

if _single_stock_hint(raw_name):
    cat = "leveraged_single_stock_inverse" if is_inverse else "leveraged_single_stock_long"
    if is_leverage: reasons.append("leverage_context")
    if is_inverse: reasons.append("inverse_context")
    reasons.append("single_stock_detected")
    return (True, cat, reasons, etp_type or "ETF")
else:
    cat = "leveraged_index_inverse" if is_inverse else "leveraged_index_long"
    if is_leverage: reasons.append("leverage_context")
    if is_inverse: reasons.append("inverse_context")
    return (True, cat, reasons, etp_type or "ETF")

# Category 2: Futures-based commodity/crypto
if _commodity_hit(name) and _has(C.FUTURES, name):
    if re.search(r"\b(bitcoin|btc|ether|ethereum)\b", name, re.IGNORECASE):
        cat = "crypto_futures"
    else:
        cat = "commodity_futures"
    reasons.append("futures_keyword")
    return (True, cat, reasons, etp_type or ("ETN" if has_etn else "ETF"))

# Category 3: Physically-backed commodity/crypto trusts/ETFs
if has_trust and _commodity_hit(name):
    if re.search(r"\b(physical(ly)?|bullion|bars?)\b", name, re.IGNORECASE):
        reasons.append("physical_keyword")
    if re.search(r"\b(bitcoin|btc|ether|ethereum)\b", name, re.IGNORECASE):
        cat = "crypto_trust"
    else:
        cat = "commodity_physical_trust"
    return (True, cat, reasons, etp_type or "Trust")

# Also allow physically-backed ETFs (non-trust) with explicit physical/bullion wording
if _commodity_hit(name) and re.search(r"\b(physical(ly)?|bullion|bars?)\b", name, re.IGNORECASE):
    reasons.append("physical_keyword")
    if re.search(r"\b(bitcoin|btc|ether|ethereum)\b", name, re.IGNORECASE):
        cat = "crypto_trust"
    else:
        cat = "commodity_physical_trust"
    return (True, cat, reasons, etp_type or "ETF")

return (False, None, [], etp_type)

```

src/io_utils.py

```

from __future__ import annotations
import csv, io, requests, datetime, os, json
from typing import List, Dict, Iterable
from dateutil import tz

from .constants import NASDAQ_TRADED_URL, EXPECTED_COLUMNS

def fetch_nasdaq_traded(
    url: str = NASDAQ_TRADED_URL,
    timeout: int = 30,
    outdir: str = "outputs",
    date_dir: str | None = None,    # <- NEW: folder name like "YYYY-MM-DD"
) -> List[Dict[str, str]]:
    """Download nasdaqtraded.txt, save a raw snapshot in outdir/date_dir, and return parsed rows."""
    r = requests.get(url, timeout=timeout)
    r.raise_for_status()

```

```

# Decide which date folder to use for the raw snapshot
if date_dir is None:
    # Default to Chicago date to match the rest of the outputs
    chi = tz.gettz("America/Chicago")
    date_dir = datetime.datetime.now(chi).date().isoformat()

raw_dir = os.path.join(outdir or "outputs", date_dir)
os.makedirs(raw_dir, exist_ok=True)
raw_path = os.path.join(raw_dir, "nasdaqtraded_raw.txt")
with open(raw_path, "w", encoding="utf-8") as rf:
    rf.write(r.text)

# Parse the file
content = r.text.splitlines()
header = content[0].split(' | ')
if header[0].strip() not in ("Nasdaq Traded", "Nasdaq Traded\xef\xbb\xbf"):
    for i, line in enumerate(content):
        parts = line.split(' | ')
        if len(parts) >= 5 and parts[0].strip() in ("Nasdaq Traded", "Nasdaq Traded\xef\xbb\xbf"):
            header = parts
            content = content[i:]
            break

rows: List[Dict[str, str]] = []
for line in content[1:]:
    if line.startswith("File Creation Time"):
        break
    parts = line.split(' | ')
    if len(parts) < len(header):
        parts += [""] * (len(header) - len(parts))
    row = {header[i].strip(): parts[i].strip() if i < len(parts) else "" for i in range(len(header))}
    rows.append(row)
return rows

def chicago_timestamp() -> str:
    tz_chi = tz.gettz("America/Chicago")
    return datetime.datetime.now(tz_chi).replace(microsecond=0).isoformat()

def ensure_dir(path: str) -> None:
    os.makedirs(path, exist_ok=True)

def write_csv(path: str, records: List[Dict[str, str]], fieldnames: List[str]) -> None:
    ensure_dir(os.path.dirname(path))
    with open(path, "w", newline="", encoding="utf-8") as f:
        w = csv.DictWriter(f, fieldnames=fieldnames)
        w.writeheader()
        for rec in records:
            w.writerow(rec)

def write_jsonl(path: str, records: List[Dict[str, str]]) -> None:
    ensure_dir(os.path.dirname(path))
    with open(path, "w", encoding="utf-8") as f:
        for rec in records:
            f.write(json.dumps(rec, ensure_ascii=False) + "\n")

```

src/pdf_report.py

```

from __future__ import annotations
from typing import List, Dict

```

```

import os, textwrap
from reportlab.lib.pagesizes import LETTER, landscape
from reportlab.lib import colors
from reportlab.lib.styles import getSampleStyleSheet, ParagraphStyle
from reportlab.platypus import SimpleDocTemplate, Paragraph, Spacer, LongTable, Table, TableStyle, PageBreak,
XPreformatted
from reportlab.lib.units import inch

MONO = "Courier"

def _header_footer(canvas, doc):
    canvas.saveState()
    w, h = landscape(LETTER)
    canvas.setFont("Helvetica", 8)
    canvas.drawString(0.6 * inch, 0.4 * inch, "FIN556 ETP Scanner - Generated Report")
    canvas.drawRightString(w - 0.6 * inch, 0.4 * inch, f"Page {doc.page}")
    canvas.restoreState()

def _section_title(text: str):
    return Paragraph(f"{text}", getSampleStyleSheet()["Heading2"])

def _h3(text: str):
    return Paragraph(f"{text}", getSampleStyleSheet()["Heading3"])

def build_assignment_pdf(
    out_pdf_path: str,
    netid: str,
    records: List[Dict[str, str]],
    code_paths: List[str],
    run_meta: Dict[str, str],
):
    # Single, consistent page size across the whole document
    PAGE_SIZE = landscape(LETTER)
    doc = SimpleDocTemplate(
        out_pdf_path,
        pagesize=PAGE_SIZE,
        leftMargin=36, rightMargin=36, topMargin=48, bottomMargin=42
    )

    styles = getSampleStyleSheet()
    styles.add(ParagraphStyle(name="Mono", fontName=MONO, fontSize=7.2, leading=8.2, wordWrap="CJK"))
    styles.add(ParagraphStyle(name="Small", fontSize=9, leading=11))
    styles.add(ParagraphStyle(name="Wrap", fontSize=7.6, leading=8.8, wordWrap="CJK"))
    styles.add(ParagraphStyle(name="WrapMono", fontName=MONO, fontSize=7.2, leading=8.2, wordWrap="CJK"))

    story = []
    story.append(Paragraph(f"{netid}_fin556_algo_trading_symbols_homework", styles["Title"]))
    story.append(Spacer(1, 4))
    story.append(Paragraph("Automated NASDAQ ETP Scanner - Output and Source Code | GitHub:  
https://github.com/xecuterisaquant/fin556-etp-finder", styles["Italic"]))
    story.append(Spacer(1, 10))

    # Summary
    story.append(_section_title("Summary"))
    story.append(Paragraph(f"Total matches: {len(records)}", styles["BodyText"]))
    story.append(Spacer(1, 6))

    # Category counts
    cats = {}
    for r in records:
        cats[r.get("category", "unknown")] = cats.get(r.get("category", "unknown"), 0) + 1
    if cats:

```

```

summary_rows = [["Category", "Count"]] + [[k, v] for k, v in sorted(cats.items(), key=lambda x: (-x[1], x[0]))]
t = Table(summary_rows, colWidths=[4.0*inch, 1.0*inch])
t.setStyle(TableStyle([
    ("BACKGROUND", (0,0), (-1,0), colors.HexColor("#f1f3f5")),
    ("GRID", (0,0), (-1,-1), 0.25, colors.HexColor("#ced4da")),
    ("FONTNAME", (0,0), (-1,0), "Helvetica-Bold"),
    ("ALIGN", (1,1), (-1,-1), "RIGHT"),
    ("FONTSIZE", (0,0), (-1,-1), 9),
    ("VALIGN", (0,0), (-1,-1), "MIDDLE"),
]))
story.append(t)

# Run metadata
story.append(Spacer(1, 10))
story.append(_section_title("Run metadata"))
meta_lines = [f"{k}: {v}" for k, v in run_meta.items()]
story.append(XPreformatted("\n".join(meta_lines), styles["Mono"]))
story.append(Spacer(1, 8))

# Detected symbols table (ALL columns wrapped; includes serial #)
story.append(_section_title("Detected Symbols (Full List)"))
header = ["#", "symbol", "name", "etp_type", "category", "reasons", "timestamp"]
table_data = [header]

for i, r in enumerate(records, start=1):
    idx = Paragraph(str(i), styles["Wrap"])
    symbol = Paragraph(str(r.get("symbol", "")), styles["Wrap"])
    name = Paragraph(str(r.get("name", "")), styles["Wrap"])
    etp_type = Paragraph(str(r.get("etp_type", "")), styles["Wrap"])
    category = Paragraph(str(r.get("category", "")), styles["Wrap"])
    reasons = r.get("reasons", [])
    if isinstance(reasons, list):
        reasons_txt = ", ".join(reasons)
    else:
        reasons_txt = str(reasons)
    reasons_para = Paragraph(reasons_txt, styles["Wrap"])
    timestamp = Paragraph(str(r.get("timestamp", "")), styles["Wrap"])
    table_data.append([idx, symbol, name, etp_type, category, reasons_para, timestamp])

# === FIT TABLE TO PAGE WIDTH (no overflow) ===
# Use exact fractions of doc.width so the table ALWAYS fits within margins.
# Fractions sum to 1.0 → widths sum to doc.width (~ 10 inches on landscape Letter with 0.5" margins).
fractions = [
    0.03,  # #
    0.09,  # symbol
    0.30,  # name
    0.08,  # etp_type
    0.14,  # category
    0.28,  # reasons
    0.08,  # timestamp
]
avail = doc.width  # width between margins
col_widths = [avail * f for f in fractions]

lt = LongTable(table_data, colWidths=col_widths, repeatRows=1, splitByRow=1)
lt.setStyle(TableStyle([
    ("BACKGROUND", (0,0), (-1,0), colors.HexColor("#f1f3f5")),
    ("GRID", (0,0), (-1,-1), 0.25, colors.HexColor("#ced4da")),
    ("FONTNAME", (0,0), (-1,0), "Helvetica-Bold"),
    ("FONTSIZE", (0,0), (-1,-1), 7.6),
    ("VALIGN", (0,0), (-1,-1), "TOP"),
]))

```

```

        ("LEFTPADDING", (0,0), (-1,-1), 3),
        ("RIGHTPADDING", (0,0), (-1,-1), 3),
        ("TOPPADDING", (0,0), (-1,-1), 1.5),
        ("BOTTOMPADDING", (0,0), (-1,-1), 1.5),
    ))
story.append(lt)

# Code listing
story.append(PageBreak())
story.append(_section_title("Source Code (Full Listing)"))
story.append(Paragraph("Note: lines are wrapped for readability.", styles["Small"]))
story.append(Spacer(1, 6))

wrap_width = 110 # soft wrap for code blocks on landscape pages
for p in code_paths:
    story.append(_h3(os.path.relpath(p)))
    with open(p, "r", encoding="utf-8") as f:
        code = f.read()
        wrapped_lines = []
        for line in code.splitlines():
            if len(line) <= wrap_width:
                wrapped_lines.append(line)
            else:
                indent = len(line) - len(line.lstrip(" "))
                prefix = " " * indent
                chunks = textwrap.wrap(
                    line.rstrip("\n"),
                    width=wrap_width,
                    subsequent_indent=prefix,
                    break_long_words=False,
                    break_on_hyphens=False
                )
                wrapped_lines.extend(chunks)
        wrapped_code = "\n".join(wrapped_lines)
    story.append(XPreformatted(wrapped_code, styles["Mono"]))
    story.append(Spacer(1, 8))

doc.build(story, onFirstPage=_header_footer, onLaterPages=_header_footer)

```

src/main.py

```

from __future__ import annotations
import argparse, os, sys, json
from typing import List, Dict

from .io_utils import fetch_nasdaq_traded, chicago_timestamp, write_csv, write_jsonl
from .detectors import detect
from . import constants as C
from .pdf_report import build_assignment_pdf

ASSIGNMENT_DEFAULT_URL = C.NASDAQ_TRADED_URL

def parse_args():
    ap = argparse.ArgumentParser(description="ETP scanner for NASDAQ nasdaqtraded.txt")
    ap.add_argument("--source-url", default=ASSIGNMENT_DEFAULT_URL, help="URL to nasdaqtraded.txt")
    ap.add_argument("--outdir", default="outputs", help="Base output directory")
    ap.add_argument("--netid", default="", help="Your NETID (used to name the assignment PDF)")
    ap.add_argument("--make-assignment-pdf", action="store_true", help="Build the single PDF containing code + output")
    return ap.parse_args()

```

```

def run(source_url: str, outdir: str, netid: str, make_pdf: bool):
    # Chicago-local timestamp and date folder (shared across ALL artifacts)
    ts = chicago_timestamp()
    date_dir = ts[:10]  # "YYYY-MM-DD"

    # Fetch data; also saves the raw snapshot under outdir/date_dir/
    rows = fetch_nasdaq_traded(source_url, outdir=outdir, date_dir=date_dir)

    # Columns to emit
    fields = ["symbol", "name", "etp_type", "category", "reasons", "timestamp"]
    records: List[Dict[str, str]] = []

    for row in rows:
        # Skip test issues
        if row.get("Test Issue", "").upper() != "N":
            continue
        name = row.get("Security Name", "")
        matched, category, reasons, etp_type = detect(name, row)
        if not matched:
            continue
        rec = {
            "symbol": row.get("Symbol", ""),
            "name": name,
            "etp_type": etp_type or "",
            "category": category or "",
            "reasons": reasons,
            "timestamp": ts,
        }
        records.append(rec)

    # Write CSV/JSONL into the SAME date folder used for the raw file
    base_dir = os.path.join(outdir, date_dir)
    csv_path = os.path.join(base_dir, "etp_candidates.csv")
    jsonl_path = os.path.join(base_dir, "etp_candidates.jsonl")
    write_csv(csv_path, records, fields)
    write_jsonl(jsonl_path, records)

    # Build the single assignment PDF if requested
    pdf_path = None
    if make_pdf:
        if not netid:
            print("ERROR: --netid is required when --make-assignment-pdf is used", file=sys.stderr)
            sys.exit(2)
        pdf_name = f"{netid.lower()}_fin556_algo_trading_symbols_homework.pdf"
        pdf_path = os.path.join(outdir, pdf_name)
        # Collect code paths to embed
        code_paths = []
        here = os.path.dirname(__file__)
        for rel in ["constants.py", "detectors.py", "io_utils.py", "pdf_report.py", "main.py"]:
            code_paths.append(os.path.join(here, rel))
        # add workflow for completeness if present
        wf = os.path.join(os.path.dirname(here), ".github", "workflows", "daily.yml")
        if os.path.exists(wf):
            code_paths.append(wf)
        run_meta = {
            "source_url": source_url,
            "timestamp_chicago": ts,
            "records_count": str(len(records)),
            "output_csv": os.path.relpath(csv_path),
            "output_jsonl": os.path.relpath(jsonl_path),
            "date_dir": date_dir,
        }

```

```

    }
    build_assignment_pdf(pdf_path, netid=netid, records=records, code_paths=code_paths, run_meta=run_meta)

# Summary to stdout (useful in Actions logs)
print(json.dumps({
    "count": len(records),
    "csv": csv_path,
    "jsonl": jsonl_path,
    "pdf": pdf_path,
    "date_dir": date_dir
}, indent=2))

if __name__ == "__main__":
    args = parse_args()
    run(args.source_url, args.outdir, args.netid, args.make_assignment_pdf)

```

.github/workflows/daily.yml

```

name: Daily ETP Scan

on:
  schedule:
    - cron: "30 15 * * *" # 10:30 AM CDT
    - cron: "30 16 * * *" # 10:30 AM CST
  workflow_dispatch:

permissions:
  contents: write

jobs:
  run:
    runs-on: ubuntu-latest
    steps:
      - name: Check out
        uses: actions/checkout@v4

      - name: Ensure it's 10:30 in Chicago
        id: gate
        run: |
          sudo apt-get update && sudo apt-get install -y tzdata
          export TZ=America/Chicago
          NOW=$(date +"%H:%M")
          if [ "$NOW" != "10:30" ]; then
            echo "Not 10:30 Chicago time ($NOW). Exiting."
            exit 0
          fi

      - name: Set up Python
        uses: actions/setup-python@v5
        with:
          python-version: "3.11"

      - name: Install deps
        run: |
          python -m pip install --upgrade pip
          pip install -r requirements.txt

      - name: Run scanner
        run: |
          python -m src.main --outdir outputs --netid harsh6 --make-assignment-pdf

```

```
- name: Commit results if changed
  run: |
    git config user.name "github-actions"
    git config user.email "actions@users.noreply.github.com"
    git add outputs
    git diff --staged --quiet || git commit -m "Daily scan: $(date -u +'%Y-%m-%d')"
    git push
```