

# 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	208
leveraged_index_long	134
leveraged_index_inverse	99
leveraged_single_stock_inverse	68
crypto_trust	38
commodity_physical_trust	31
crypto_futures	16
commodity_futures	15

## Run metadata

```
source_url: https://www.nasdaqtrader.com/dynamic/SymDir/nasdaqtraded.txt
timestamp_chicago: 2025-11-15T09:36:02-06:00
records_count: 609
output_csv: outputs/2025-11-15/etp_candidates.csv
output_jsonl: outputs/2025-11-15/etp_candidates.jsonl
date_dir: 2025-11-15
```

## 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	2025-11-15T09:36:02-06:00
2	AALG	Leverage Shares 2X Long AAL Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
3	AAPB	GraniteShares 2x Long AAPL Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00

#	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	2025-11-15T09:36:02-06:00
5	AAPU	Direxion Daily AAPL Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
6	AAPX	ETF Opportunities Trust T-Rex 2X Long Apple Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
7	ADBQ	Leverage Shares 2X Long ADBE Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
8	AETH	Bitwise Trendwise Ether and Treasuries Rotation Strategy ETF	ETF	crypto_futures	etf_flag_Y, type_etf, futures_keyword	2025-11-15T09:36:02-06:00
9	AFRU	ETF Opportunities Trust T-REX 2X Long AFRM Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
10	AGQ	ProShares Ultra Silver	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
11	AIBD	Direxion Shares ETF Trust 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	2025-11-15T09:36:02-06:00
12	AIBU	Direxion Shares ETF Trust Direxion Daily AI and Big Data Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
13	AMDD	Direxion Daily AMD Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
14	AMDG	Leverage Shares 2X Long AMD Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
15	AMDL	GraniteShares 2x Long AMD Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
16	AMUU	Direxion Daily AMD Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
17	AMZD	Direxion Daily AMZN Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
18	AMZU	Direxion Daily AMZN Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
19	AMZZ	GraniteShares 2x Long AMZN Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
20	ANEL	Defiance Daily Target 2x Long ANET ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
21	APLX	Tradr 2X Long APLD Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
22	APPX	Tradr 2X Long APP Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
23	ARCX	Tradr 2X Long ACHR Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
24	ARMG	Leverage Shares 2X Long ARM Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
25	ARMU	ETF Opportunities Trust T-REX 2X Long ARM Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
26	ASMG	Leverage Shares 2X Long ASML Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
27	ASTX	Tradr 2X Long ASTS Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00

#	symbol	name	etp_type	category	reasons	timestamp
28	AURU	Investment Managers Series Trust II Tradr 2X Long AUR Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
29	AVGG	Leverage Shares 2X Long AVGO Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
30	AVGU	GraniteShares 2x Long AVGO Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
31	AVGX	Defiance Daily Target 2X Long AVGO ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
32	AVL	Direxion Daily AVGO Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
33	AVS	Direxion Daily AVGO Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
34	AVXX	Defiance Daily Target 2x Long AVAV ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
35	AXUP	ETF Opportunities Trust T-REX 2X Long AXON Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
36	BABX	GraniteShares 2x Long BABA Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
37	BAGY	Amplify ETF Trust Amplify Bitcoin Max Income Covered Call ETF	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
38	BAIG	Leverage Shares 2X Long BBAI Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
39	BAR	GraniteShares Gold Trust Shares of Beneficial Interest	Trust	commodity_physical_trust	type_trust_with_commodity	2025-11-15T09:36:02-06:00
40	BBB	CYBER HORNET S&P; 500 and Bitcoin 75/25 Strategy ETF	ETF	crypto_futures	etf_flag_Y, type_etf, futures_keyword	2025-11-15T09:36:02-06:00
41	BCOR	Grayscale Funds Trust Grayscale Bitcoin Adopters ETF	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
42	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	2025-11-15T09:36:02-06:00
43	BEGS	Collaborative Investment Series Trust Rareview 2x Bull Cryptocurrency & Precious Metals ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
44	BERZ	MicroSectors FANG & Innovation -3x Inverse Leveraged ETN	ETN	leveraged_index_inverse	etf_flag_Y, type_etn_by_name, leverage_context, inverse_context	2025-11-15T09:36:02-06:00
45	BEX	Investment Managers Series Trust II Tradr 2X Long BE Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
46	BFAP	First Trust Exchange-Traded Fund FT Vest Bitcoin Strategy Floor15 ETF April	Trust	crypto_futures	etf_flag_Y, type_trust_with_commodity, futures_keyword	2025-11-15T09:36:02-06:00
47	BFJL	First Trust Exchange-Traded Fund FT Vest Bitcoin Strategy Floor15 ETF July	Trust	crypto_futures	etf_flag_Y, type_trust_with_commodity, futures_keyword	2025-11-15T09:36:02-06:00
48	BFOC	First Trust Exchange-Traded Fund FT Vest Bitcoin Strategy Floor15 ETF - October	Trust	crypto_futures	etf_flag_Y, type_trust_with_commodity, futures_keyword	2025-11-15T09:36:02-06:00
49	BGLD	FT Vest Gold Strategy Quarterly Buffer ETF	ETF	commodity_futures	etf_flag_Y, type_etf, futures_keyword	2025-11-15T09:36:02-06:00
50	BIB	ProShares Ultra Nasdaq Biotechnology	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
51	BIS	ProShares UltraShort Nasdaq Biotechnology	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00

#	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	2025-11-15T09:36:02-06:00
53	BITI	ProShares Short Bitcoin ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-11-15T09:36:02-06:00
54	BITS	Global X Blockchain & Bitcoin Strategy ETF	ETF	crypto_futures	etf_flag_Y, type_etf, futures_keyword	2025-11-15T09:36:02-06:00
55	BITU	ProShares Trust ProShares Ultra Bitcoin ETF	Trust	leveraged_index_long	etf_flag_Y, type_trust_with_commodity, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
56	BITX	Volatility Shares Trust 2x Bitcoin Strategy ETF	Trust	leveraged_index_long	etf_flag_Y, type_trust_with_commodity, leverage_context	2025-11-15T09:36:02-06:00
57	BKNU	ETF Opportunities Trust T-REX 2X Long BKNG Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
58	BLSG	Leverage Shares 2X Long BLSH Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
59	BLSX	Investment Managers Series Trust II Tradr 2X Long BLSH Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
60	BMNG	Leverage Shares 2X Long BMNR Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
61	BMNU	ETF Opportunities Trust T-REX 2X Long BMNR Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
62	BMNZ	Tidal Trust II Defiance Daily Target 2X Short BMNR ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
63	BNKD	Bank Of Montreal 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	2025-11-15T09:36:02-06:00
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	2025-11-15T09:36:02-06:00
65	BOEG	Leverage Shares 2X Long BA Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
66	BOEU	Direxion Daily BA Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
67	BOIL	ProShares Ultra Bloomberg Natural Gas	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
68	BPI	Grayscale Funds Trust Grayscale Bitcoin Premium Income ETF	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
69	BRKD	Direxion Daily BRKB Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
70	BRKU	Direxion Daily BRKB Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
71	BRZU	Direxion Daily Brazil Bull 2X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
72	BTC	Grayscale Bitcoin Mini Trust (BTC) Common units of fractional undivided beneficial interest	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
73	BTCC	Grayscale Funds Trust Grayscale Bitcoin Covered Call ETF	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
74	BTCI	NEOS ETF Trust NEOS Bitcoin High Income ETF	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
75	BTCL	T-Rex 2X Long Bitcoin Daily Target ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00

#	symbol	name	etp_type	category	reasons	timestamp
76	BTCZ	T-Rex 2X Inverse Bitcoin Daily Target ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-11-15T09:36:02-06:00
77	BTOP	Bitwise Trendwise BTC/ETH and Treasuries Rotation Strategy ETF	ETF	crypto_futures	etf_flag_Y, type_etf, futures_keyword	2025-11-15T09:36:02-06:00
78	BTRN	Global X Funds Global X Bitcoin Trend Strategy ETF	ETF	crypto_futures	etf_flag_Y, type_etf, futures_keyword	2025-11-15T09:36:02-06:00
79	BULG	Leverage Shares 2X Long BULL Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
80	BULU	ETF Opportunities Trust T-REX 2X Long BULL Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
81	BULX	GraniteShares 2x Long BULL Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
82	BULZ	MicroSectors FANG & Innovation 3x Leveraged ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-11-15T09:36:02-06:00
83	BZQ	ProShares UltraShort MSCI Brazil Capped	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
84	CARD	Bank Of Montreal MAX Auto Industry -3x Inverse Leveraged ETN	ETN	leveraged_index_inverse	etf_flag_Y, type_etn_by_name, leverage_context, inverse_context	2025-11-15T09:36:02-06:00
85	CARU	Bank Of Montreal MAX Auto Industry 3x Leveraged ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-11-15T09:36:02-06:00
86	CBOA	Calamos ETF Trust Calamos Bitcoin Structured Alt Protection ETF - April	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
87	CBOJ	Calamos ETF Trust Calamos Bitcoin Structured Alt Protection ETF - January	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
88	CBOL	Calamos ETF Trust Calamos Laddered Bitcoin Structured Alt Protection ETF	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
89	CBOO	Calamos ETF Trust Calamos Bitcoin Structured Alt Protection ETF - October	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
90	CBOY	Calamos ETF Trust Calamos Bitcoin Structured Alt Protection ETF - July	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
91	CBTA	Calamos ETF Trust Calamos Bitcoin 80 Series Structured Alt Protection ETF - April	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
92	CBTJ	Calamos ETF Trust Calamos Bitcoin 80 Series Structured Alt Protection ETF - January	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
93	CBTL	Calamos ETF Trust Calamos Laddered Bitcoin 80 Series Structured Alt Protection ETF	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
94	CBTO	Calamos ETF Trust Calamos Bitcoin 80 Series Structured Alt Protection ETF - October	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
95	CBTY	Calamos ETF Trust Calamos Bitcoin 80 Series Structured Alt Protection ETF - July	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
96	CBXA	Calamos ETF Trust Calamos Bitcoin 90 Series Structured Alt Protection ETF - April	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
97	CBXJ	Calamos ETF Trust Calamos Bitcoin 90 Series Structured Alt Protection ETF - January	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
98	CBXL	Calamos ETF Trust Calamos Laddered Bitcoin 90 Series Structured Alt Protection ETF	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
99	CBXO	Calamos ETF Trust Calamos Bitcoin 90 Series Structured Alt Protection ETF - October	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00

#	symbol	name	etp_type	category	reasons	timestamp
100	CBXY	Calamos ETF Trust Calamos Bitcoin 90 Series Structured Alt Protection ETF - July	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
101	CCUP	ETF Opportunities Trust T-REX 2X Long CRCL Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
102	CEF	Sprott Physical Gold and Silver Trust Units	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity, physical_keyword	2025-11-15T09:36:02-06:00
103	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	2025-11-15T09:36:02-06:00
104	CEGX	Tradr 2X Long CEG Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
105	CELT	Investment Managers Series Trust II Tradr 2X Long CELH Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
106	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	2025-11-15T09:36:02-06:00
107	CLIX	ProShares Long Online/Short Stores ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-11-15T09:36:02-06:00
108	CLSE	Trust for Professional Managers Convergence Long/Short Equity ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-11-15T09:36:02-06:00
109	CLSX	Investment Managers Series Trust II Tradr 2X Long CLSK Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
110	COIA	ProShares Trust ProShares Ultra COIN	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
111	COIG	Leverage Shares 2X Long COIN Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
112	COIO	Themes ETF Trust Leverage Shares 2x Capped Accelerated COIN Monthly ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
113	CONI	GraniteShares 2x Short COIN Daily ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
114	CONL	GraniteShares 2x Long COIN Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
115	COPA	Themes ETF Trust Themes Copper Miners ETF	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
116	CORD	ETF Opportunities Trust T-REX 2X Inverse CRWV Daily Target ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-11-15T09:36:02-06:00
117	CORX	Volatility Shares Trust 2x Corn ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
118	COTG	Leverage Shares 2X Long COST Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
119	COZX	Investment Managers Series Trust II Tradr 2X Long CORZ Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
120	CPXR	Tidal Trust III USCF Daily Target 2X Copper Index ETF	Trust	leveraged_index_long	etf_flag_Y, type_trust_with_commodity, leverage_context	2025-11-15T09:36:02-06:00
121	CPZ	Calamos Long/Short Equity & Dynamic Income Trust - Closed End Fund	ETF	leveraged_index_inverse	inverse_context	2025-11-15T09:36:02-06:00
122	CRCA	ProShares Trust ProShares Ultra CRCL	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
123	CRCD	ETF Opportunities Trust T-REX 2X Inverse CRCL Daily Target ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-11-15T09:36:02-06:00

#	symbol	name	etp_type	category	reasons	timestamp
124	CRCG	Leverage Shares 2X Long CRCL Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
125	CRDU	Investment Managers Series Trust II Tradr 2X Long CRDO Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
126	CRMG	Leverage Shares 2X Long CRM Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
127	CRSH	Tidal Trust II YieldMax Short TSLA Option Income Strategy ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
128	CRWG	Leverage Shares 2X Long CRWV Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
129	CRWL	GraniteShares 2x Long CRWD Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
130	CRWU	ETF Opportunities Trust T-REX 2X Long CRWV Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
131	CSCL	Direxion Daily CSCO Bull 2X ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
132	CSCS	Direxion Daily CSCO Bear 1X ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
133	CSEX	Investment Managers Series Trust II Tradr 2X Long CLS Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
134	CURE	Direxion Daily Healthcare Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
135	CVNX	Defiance Daily Target 2X Long CVNA ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
136	CVSB	Morgan Stanley ETF Trust Calvert Ultra-Short Investment Grade ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-11-15T09:36:02-06:00
137	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	2025-11-15T09:36:02-06:00
138	CWVX	Tradr 2X Long CRWV Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
139	CXRN	Listed Funds Trust Teucrium 2x Daily Corn ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
140	DAMD	Tidal Trust II Defiance Daily Target 2X Short AMD ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
141	DASX	Investment Managers Series Trust II Tradr 2X Long DASH Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
142	DDM	ProShares Ultra Dow30	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
143	DEFI	Tidal Commodities Trust I Hashdex Bitcoin ETF	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
144	DFEN	Direxion Daily Aerospace & Defense Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
145	DFII	First Trust Exchange-Traded Fund FT Vest Bitcoin Strategy & Target Income ETF	Trust	crypto_futures	etf_flag_Y, type_trust_with_commodity, futures_keyword	2025-11-15T09:36:02-06:00
146	DGZ	DB Gold Short ETN due February 15, 2038	ETN	leveraged_single_stock_inverse	type_etn_by_name, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
147	DIG	ProShares Ultra Energy	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00

#	symbol	name	etp_type	category	reasons	timestamp
148	DIPS	Tidal Trust II YieldMax Short NVDA Option Income Strategy ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
149	DJTU	ETF Opportunities Trust T-REX 2X Long DJT Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
150	DKNX	Defiance Daily Target 2X Long DKNG ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
151	DKUP	ETF Opportunities Trust T-REX 2X Long DKNG Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
152	DLLL	GraniteShares 2x Long DELL Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
153	DOG	ProShares Short Dow30	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-11-15T09:36:02-06:00
154	DOGD	Tradr 2X Long DDOG Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
155	DPST	Direxion Daily Regional Banks Bull 3X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
156	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	2025-11-15T09:36:02-06:00
157	DRN	Direxion Daily Real Estate Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
158	DRV	Direxion Daily Real Estate Bear 3X Shares	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-11-15T09:36:02-06:00
159	DUG	ProShares UltraShort Energy	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
160	DULL	Bank Of Montreal 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	2025-11-15T09:36:02-06:00
161	DUSL	Direxion Daily Industrials Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
162	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	2025-11-15T09:36:02-06:00
163	DWSH	AdvisorShares Dorsey Wright Short ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
164	DXD	ProShares UltraShort Dow30	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
165	DZZ	DB Gold Double Short ETN due February 15, 2038	ETN	leveraged_single_stock_inverse	type_etn_by_name, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
166	EDC	Direxion Emerging Markets Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
167	EDZ	Direxion Emerging Markets Bear 3X Shares	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-11-15T09:36:02-06:00
168	EET	ProShares Ultra MSCI Emerging Markets	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
169	EEV	ProShares UltraShort MSCI Emerging Markets	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
170	EFO	ProShares Ultra MSCI EAFE	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
171	EFU	ProShares UltraShort MSCI EAFE	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00

#	symbol	name	etp_type	category	reasons	timestamp
172	EFZ	ProShares Short MSCI EAFE	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
173	EHLS	Even Herd Long Short ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
174	EHY	Amplify ETF Trust Amplify Ethereum Max Income Covered Call ETF	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
175	ELIL	Direxion Daily LLY Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
176	ELIS	Direxion Daily LLY Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
177	ENPX	Investment Managers Series Trust II Tradr 2X Long ENPH Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
178	EPV	ProShares UltraShort FTSE Europe ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
179	ERX	Direxion Energy Bull 2X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
180	ERY	Direxion Daily Energy Bear 2X Shares	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-11-15T09:36:02-06:00
181	ETCO	Grayscale Funds Trust Grayscale Ethereum Covered Call ETF	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
182	ETH	Grayscale Ethereum Mini Trust (ETH) Common units of fractional undivided beneficial interest	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
183	ETHA	iShares Ethereum Trust ETF	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
184	ETHD	ProShares Trust ProShares UltraShort Ether ETF	Trust	leveraged_index_inverse	etf_flag_Y, type_trust_with_commodity, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
185	ETHE	Grayscale Ethereum Trust (ETH) Common units of fractional undivided beneficial interest	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
186	ETHT	ProShares Trust ProShares Ultra Ether ETF	Trust	leveraged_index_long	etf_flag_Y, type_trust_with_commodity, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
187	ETHU	Volatility Shares Trust 2x Ether ETF	Trust	leveraged_index_long	etf_flag_Y, type_trust_with_commodity, leverage_context	2025-11-15T09:36:02-06:00
188	ETQ	T-Rex 2X Inverse Ether Daily Target ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-11-15T09:36:02-06:00
189	ETRL	GraniteShares 2x Long ETOR Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
190	ETTY	Amplify ETF Trust Amplify Ethereum 3% Monthly Option Income ETF	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
191	ETU	T-Rex 2X Long Ether Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
192	EUM	ProShares Short MSCI Emerging Markets	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
193	EUO	ProShares UltraShort Euro	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
194	EURL	Direxion Daily FTSE Europe Bull 3x Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00

#	symbol	name	etp_type	category	reasons	timestamp
195	EWV	ProShares UltraShort MSCI Japan	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
196	EZBC	Franklin Templeton Digital Holdings Trust Shares of Franklin Bitcoin ETF	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
197	EZJ	ProShares Ultra MSCI Japan	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
198	FAS	Direxion Financial Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
199	FAZ	Direxion Financial Bear 3X Shares	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-11-15T09:36:02-06:00
200	FBL	GraniteShares 2x Long META Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
201	FCG	First Trust Natural Gas ETF	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
202	FFLS	Northern Lights Fund Trust II The Future Fund Long/Short ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
203	FGDL	Franklin Templeton Holdings Trust Franklin Responsibly Sourced Gold ETF	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
204	FIAT	Tidal Trust II YieldMax Short COIN Option Income Strategy ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
205	FIGG	Leverage Shares 2x Long FIG Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
206	FLYD	Bank of Montreal MicroSectors Travel -3x Inverse Leveraged ETN	ETN	leveraged_index_inverse	etf_flag_Y, type_etn_by_name, leverage_context, inverse_context	2025-11-15T09:36:02-06:00
207	FLYT	Investment Managers Series Trust II Tradr 2X Long FLY Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
208	FLYU	Bank of Montreal MicroSectors Travel 3x Leveraged ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-11-15T09:36:02-06:00
209	FNGD	MicroSectors FANG Index -3X Inverse Leveraged ETNs due January 8, 2038	ETN	leveraged_index_inverse	type_etn_by_name, leverage_context, inverse_context	2025-11-15T09:36:02-06:00
210	FNGG	Direxion Daily NYSE FANG+ Bull 2X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
211	FNGO	MicroSectors FANG Index 2X Leveraged ETNs due January 8, 2038	ETN	leveraged_index_long	type_etn_by_name, leverage_context	2025-11-15T09:36:02-06:00
212	FNGU	Bank Of Montreal MicroSectors FANG+ 3X Leveraged ETNs	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-11-15T09:36:02-06:00
213	FRDD	Direxion Daily F Bear 1X ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
214	FRDU	Direxion Daily F Bull 2X ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
215	FTLS	First Trust Long/Short Equity	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-11-15T09:36:02-06:00
216	FTXN	First Trust Nasdaq Oil & Gas ETF	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
217	FUTG	Leverage Shares 2x Long FUTU Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
218	FXP	ProShares Ultrashort FTSE China 50	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00

#	symbol	name	etp_type	category	reasons	timestamp
219	GBTC	Grayscale Bitcoin Trust (BTC) Common Units of fractional undivided beneficial interest	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
220	GDE	WisdomTree Trust WisdomTree Efficient Gold Plus Equity Strategy Fund	Trust	commodity_futures	etf_flag_Y, type_trust_with_commodity, futures_keyword	2025-11-15T09:36:02-06:00
221	GDMN	WisdomTree Trust WisdomTree Efficient Gold Plus Gold Miners Strategy Fund	Trust	commodity_futures	etf_flag_Y, type_trust_with_commodity, futures_keyword	2025-11-15T09:36:02-06:00
222	GDXD	MicroSectors Gold Miners -3X Inverse Leveraged ETNs	ETN	leveraged_index_inverse	etf_flag_Y, type_etn_by_name, leverage_context, inverse_context	2025-11-15T09:36:02-06:00
223	GDXU	MicroSectors Gold Miners 3X Leveraged ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-11-15T09:36:02-06:00
224	GDXY	Tidal Trust II YieldMax Gold Miners Option Income Strategy ETF	Trust	commodity_futures	etf_flag_Y, type_trust_with_commodity, futures_keyword	2025-11-15T09:36:02-06:00
225	GEMG	Leverage Shares 2X Long GEMI Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
226	GEVX	Tradr 2X Long GEV Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
227	GGLL	Direxion Daily GOOGL Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
228	GGLS	Direxion Daily GOOGL Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
229	GGN	GAMCO Global Gold, Natural Resources & Income Trust	Trust	commodity_physical_trust	type_trust_with_commodity	2025-11-15T09:36:02-06:00
230	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	2025-11-15T09:36:02-06:00
231	GLD	SPDR Gold Trust	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
232	GLDM	SPDR Gold MiniShares Trust	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
233	GLGG	Leverage Shares 2X Long GLXY Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
234	GLL	ProShares UltraShort Gold	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
235	GLXU	ETF Opportunities Trust T-REX 2X Long GLXY Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
236	GMEU	ETF Opp Tr T-REX 2X Long GME Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
237	GNT	GAMCO Natural Resources, Gold & Income Trust	Trust	commodity_physical_trust	type_trust_with_commodity	2025-11-15T09:36:02-06:00
238	GOLY	Strategy Shares Gold Enhanced Yield ETF	ETF	commodity_futures	etf_flag_Y, type_etf, futures_keyword	2025-11-15T09:36:02-06:00
239	GOOX	ETF Opportunities Trust T-Rex 2X Long Alphabet Daily Target ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
240	GSX	Investment Managers Series Trust II Tradr 2X Long GS Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
241	GUSH	Direxion Daily S&P; Oil & Gas Exp. & Prod. Bull 2X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
242	HBTC	Listed Funds Trust Fortuna Hedged Bitcoin Fund	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00

#	symbol	name	etp_type	category	reasons	timestamp
243	HDGE	Ranger Equity Bear Bear ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-11-15T09:36:02-06:00
244	HFEQ	Tidal Trust I Unlimited HFEQ Equity Long/Short ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
245	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	2025-11-15T09:36:02-06:00
246	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	2025-11-15T09:36:02-06:00
247	HIMZ	Defiance Daily Target 2X Long HIMS ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
248	HODL	VanEck Bitcoin Trust Common Shares of Beneficial Interest	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
249	HOOG	Leverage Shares 2X Long HOOD Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
250	HOOX	Defiance Daily Target 2X Long HOOD ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
251	HOOZ	Tidal Trust II Defiance Daily Target 2X Short HOOD ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
252	IAU	iShares Gold Trust Shares of the iShares Gold Trust	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
253	IAUI	NEOS ETF Trust NEOS Gold High Income ETF	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
254	IAUM	iShares Gold Trust Micro Shares	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
255	IBIT	iShares Bitcoin Trust ETF	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
256	IETH	Bitwise Funds Trust Bitwise Ethereum Option Income Strategy ETF	Trust	crypto_futures	etf_flag_Y, type_trust_with_commodity, futures_keyword	2025-11-15T09:36:02-06:00
257	IGLD	FT Vest Gold Strategy Target Income ETF	ETF	commodity_futures	etf_flag_Y, type_etf, futures_keyword	2025-11-15T09:36:02-06:00
258	INDL	Direxion Daily MSCI India Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
259	INTW	GraniteShares 2x Long INTC Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
260	IONL	GraniteShares 2x Long IONQ Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
261	IONX	Defiance Daily Target 2X Long IONQ ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
262	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	2025-11-15T09:36:02-06:00
263	IRE	Tidal Trust II Defiance Daily Target 2X Long IREN ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
264	IREX	Investment Managers Series Trust II Tradr 2X Long IREN Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
265	ISUL	GraniteShares 2x Long ISRG Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
266	IWDL	ETRACS 2x Leveraged US Value Factor TR ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-11-15T09:36:02-06:00

#	symbol	name	etp_type	category	reasons	timestamp
267	IWFL	ETRACS 2x Leveraged US Growth Factor TR ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-11-15T09:36:02-06:00
268	IWML	ETRACS 2x Leveraged US Size Factor TR ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-11-15T09:36:02-06:00
269	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	2025-11-15T09:36:02-06:00
270	JETD	Bank Of Montreal MAX Airlines -3X Inverse Leveraged ETNs	ETN	leveraged_index_inverse	etf_flag_Y, type_etn_by_name, leverage_context, inverse_context	2025-11-15T09:36:02-06:00
271	JETU	Bank Of Montreal MAX Airlines 3X Leveraged ETNs	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-11-15T09:36:02-06:00
272	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	2025-11-15T09:36:02-06:00
273	JOBX	Tradr 2X Long JOBY Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
274	JPX	Defiance Daily Target 2X Long JPM ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
275	KBAB	KraneShares 2x Long BABA Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
276	KGLD	Kurv ETF Trust Kurv Gold Enhanced Income ETF	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
277	KJD	KraneShares 2x Long JD Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
278	KMLI	KraneShares 2x Long MELI Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
279	KOLD	ProShares UltraShort Bloomberg Natural Gas	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
280	KORU	Direxion Daily South Korea Bull 3X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
281	KPDD	KraneShares 2x Long PDD Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
282	KSLV	Kurv ETF Trust Kurv Silver Enhanced Income ETF	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
283	KTUP	ETF Opportunities Trust T-REX 2X Long KTOS Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
284	LABD	Direxion Daily S&P; Biotech Bear 3X Shares	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-11-15T09:36:02-06:00
285	LABU	Direxion Daily S&P; Biotech Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
286	LABX	Tradr 2X Long ALAB Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
287	LBAY	Leatherback Long/Short Alternative Yield ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-11-15T09:36:02-06:00
288	LCDL	GraniteShares 2x Long LCID Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
289	LLYX	Tidal Trust II Defiance Daily Target 2X Long LLY ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
290	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	2025-11-15T09:36:02-06:00

#	symbol	name	etp_type	category	reasons	timestamp
291	LMBO	Direxion Shares ETF Trust Direxion Daily Crypto Industry Bull 2X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
292	LMNX	Defiance Daily Target 2x Long LMND ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
293	LMTL	Direxion Daily LMT Bull 2X ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
294	LMTS	Direxion Daily LMT Bear 1X ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
295	LRCU	Tradr 2X Long LRCX Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
296	LSEQ	Harbor ETF Trust Harbor Long-Short Equity ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-11-15T09:36:02-06:00
297	LTL	ProShares Ultra Communication Services	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
298	LULG	Leverage Shares 2X Long LULU Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
299	LYFX	Investment Managers Series Trust II Tradr 2X Long LYFT Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
300	MAGX	Roundhill Daily 2X Long Magnificent Seven ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
301	MAXI	Simplify Bitcoin Strategy PLUS Income ETF	ETF	crypto_futures	etf_flag_Y, type_etf, futures_keyword	2025-11-15T09:36:02-06:00
302	MDBX	Tradr 2X Long MDB Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
303	METD	Direxion Daily META Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
304	METU	Direxion Daily META Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
305	MEXX	Direxion Daily MSCI Mexico Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
306	MIDU	Direxion Mid Cap Bull 3X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
307	MLPR	ETRACS Quarterly Pay 1.5X Leveraged Alerian MLP Index ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-11-15T09:36:02-06:00
308	MNRS	Grayscale Funds Trust Grayscale Bitcoin Miners ETF	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
309	MPG	Leverage Shares 2X Long MP Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
310	MPL	Tidal Trust II Defiance Daily Target 2X Long MP ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
311	MQQQ	Tradr 2X Long Innovation 100 Monthly ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
312	MRAL	GraniteShares 2x Long MARA Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
313	MSDD	GraniteShares 2x Short MSTR Daily ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
314	MSFD	Direxion Daily MSFT Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00

#	symbol	name	etp_type	category	reasons	timestamp
315	MSFL	GraniteShares 2x Long MSFT Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
316	MSFU	Direxion Daily MSFT Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
317	MSFX	ETF Opportunities Trust T-Rex 2X Long Microsoft Daily Target ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
318	MSOO	Themes ETF Trust Leverage Shares 2x Capped Accelerated MSTR Monthly ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
319	MSTP	GraniteShares 2x Long MSTR Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
320	MSTU	ETF Opportunities Trust T-Rex 2X Long MSTR Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
321	MSTX	Defiance Daily Target 2x Long MSTR ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
322	MSTZ	ETF Opportunities Trust T-Rex 2X Inverse MSTR Daily Target ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-11-15T09:36:02-06:00
323	MTUL	ETRACS 2x Leveraged MSCI US Momentum Factor TR ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-11-15T09:36:02-06:00
324	MUD	Direxion Daily MU Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
325	MULL	GraniteShares 2x Long MU Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
326	MUU	Direxion Daily MU Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
327	MVLL	GraniteShares 2x Long MRVL Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
328	MVO	MV Oil Trust Units of Beneficial Interests	Trust	commodity_physical_trust	type_trust_with_commodity	2025-11-15T09:36:02-06:00
329	MVRL	ETRACS Monthly Pay 1.5X Leveraged Mortgage REIT ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-11-15T09:36:02-06:00
330	MVV	ProShares Ultra MidCap400	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
331	MYY	ProShares Short MidCap400	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-11-15T09:36:02-06:00
332	MZZ	ProShares UltraShort MidCap400	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
333	NAIL	Direxion Daily Homebuilders & Supplies Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
334	NBIG	Leverage Shares 2X Long NBIS Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
335	NBIL	GraniteShares 2x Long NBIS Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
336	NEBX	Tradr 2X Long NBIS Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
337	NETX	Investment Managers Series Trust II Tradr 2X Long NET Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
338	NFLU	ETF Opportunities Trust T-Rex 2X Long NFLX Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00

#	symbol	name	etp_type	category	reasons	timestamp
339	NFXL	Direxion Daily NFLX Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
340	NFXS	Direxion Daily NFLX Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
341	NNEX	Investment Managers Series Trust II Tradr 2X Long NNE Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
342	NOWL	GraniteShares 2x Long NOW Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
343	NRGD	Bank Of Montreal 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	2025-11-15T09:36:02-06:00
344	NRT	North European Oil Royalty Trust Common Stock	Trust	commodity_physical_trust	type_trust_with_commodity	2025-11-15T09:36:02-06:00
345	NUGT	Direxion Daily Gold Miners Index Bull 2XShares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
346	NVD	GraniteShares 2x Short NVDA Daily ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
347	NVDB	ProShares Trust ProShares Ultra NVDA	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
348	NVDD	Direxion Daily NVDA Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
349	NVDG	Leverage Shares 2X Long NVDA Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
350	NVDL	GraniteShares 2x Long NVDA Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
351	NVDO	Themes ETF Trust Leverage Shares 2x Capped Accelerated NVDA Monthly ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
352	NVDQ	ETF Opportunities Trust T-Rex 2X Inverse NVIDIA Daily Target ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-11-15T09:36:02-06:00
353	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	2025-11-15T09:36:02-06:00
354	NVDU	Direxion Daily NVDA Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
355	NVDX	ETF Opportunities Trust T-Rex 2X Long NVIDIA Daily Target ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
356	NVOX	Tidal Trust II Defiance Daily Target 2X Long NVO ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
357	NVTX	Tradr 2X Long NVTS Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
358	NWMX	Investment Managers Series Trust II Tradr 2X Long NEM Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
359	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	2025-11-15T09:36:02-06:00
360	OILT	Texas Capital Funds Trust Texas Capital Texas Oil Index ETF	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
361	OILU	MicroSectors Oil & Gas Exp. & Prod. 3x Leveraged ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-11-15T09:36:02-06:00
362	OKLL	Defiance Daily Target 2x Long OKLO ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00

#	symbol	name	etp_type	category	reasons	timestamp
363	OKTX	Investment Managers Series Trust II Tradr 2X Long OKTA Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
364	OPEX	Investment Managers Series Trust II Tradr 2X Long OPEN Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
365	ORCX	Defiance Daily Target 2X Long ORCL ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
366	ORR	Militia Long/Short Equity ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-11-15T09:36:02-06:00
367	OSCG	Leverage Shares 2X Long OSCR Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
368	OSCX	Defiance Daily Target 2x Long OSCR ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
369	OWNB	Bitwise Funds Trust Bitwise Bitcoin Standard Corporations ETF	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
370	PALD	Direxion Daily PANW Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
371	PALL	abrdn Physical Palladium Shares ETF	ETF	commodity_physical_trust	etf_flag_Y, type_etf, physical_keyword	2025-11-15T09:36:02-06:00
372	PALU	Direxion Daily PANW Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
373	PANG	Leverage Shares 2X Long PANW Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
374	PDDL	GraniteShares 2x Long PDD Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
375	PHYS	Sprott Physical Gold Trust ETV	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity, physical_keyword	2025-11-15T09:36:02-06:00
376	PILL	Direxion Daily Pharmaceutical & Medical Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
377	PLOO	Themes ETF Trust Leverage Shares 2x Capped Accelerated PLTR Monthly ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
378	PLTA	ProShares Trust ProShares Ultra PLTR	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
379	PLTD	Direxion Daily PLTR Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
380	PLTG	Leverage Shares 2X Long PLTR Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
381	PLTU	Direxion Daily PLTR Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
382	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	2025-11-15T09:36:02-06:00
383	PONX	Investment Managers Series Trust II Tradr 2X Long PONY Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
384	PPLT	abrdn Physical Platinum Shares ETF	ETF	commodity_physical_trust	etf_flag_Y, type_etf, physical_keyword	2025-11-15T09:36:02-06:00
385	PSLV	Sprott Physical Silver Trust ETV	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity, physical_keyword	2025-11-15T09:36:02-06:00
386	PSQ	ProShares Short QQQ	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00

#	symbol	name	etp_type	category	reasons	timestamp
387	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	2025-11-15T09:36:02-06:00
388	PTIR	GraniteShares 2x Long PLTR Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
389	PULT	Putnam ETF Trust Putnam ESG Ultra Short ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
390	PXIU	ETF Opportunities Trust T-REX 2X Long UPXI Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
391	PYPG	Leverage Shares 2X Long PYPL Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
392	QBER	Elevation Series Trust TrueShares Quarterly Bear Hedge ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-11-15T09:36:02-06:00
393	QBF	Innovator ETFs Trust Innovator Uncapped Bitcoin 20 Floor ETF - Quarterly	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
394	QBTX	Tradr 2X Long QBTS Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
395	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	2025-11-15T09:36:02-06:00
396	QCMD	Direxion Daily QCOM Bear 1X ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
397	QCML	GraniteShares 2x Long QCOM Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
398	QCMU	Direxion Daily QCOM Bull 2X ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
399	QID	ProShares UltraShort QQQ	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
400	QLD	ProShares Ultra QQQ	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
401	QPUX	Defiance 2X Daily Long Pure Quantum ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
402	QQDN	ProShares UltraShort QQQ Mega	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
403	QQDQ	Direxion Daily Magnificent 7 Bear 1X Shares	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-11-15T09:36:02-06:00
404	QQQP	Tradr 2X Long Innovation 100 Quarterly ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
405	QQQU	Direxion Daily Magnificent 7 Bull 2X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
406	QQUP	ProShares Ultra QQQ Mega	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
407	QQXL	ProShares Ultra QQQ Top 30	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
408	QSU	Tidal Trust II Defiance Daily Target 2X Long QS ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
409	QSX	Investment Managers Series Trust II Tradr 2X Long QS Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
410	QUBX	Tradr 2X Long QUBT Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00

#	symbol	name	etp_type	category	reasons	timestamp
411	QULL	ETRACS 2x Leveraged MSCI US Quality Factor TR ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-11-15T09:36:02-06:00
412	RBLU	ETF Opportunities Trust T-REX 2X Long RBLX Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
413	RDTL	GraniteShares 2x Long RDDT Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
414	REK	ProShares Short Real Estate	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
415	REKT	Direxion Shares ETF Trust Direxion Daily Crypto Industry Bear 1X Shares	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-11-15T09:36:02-06:00
416	RETL	Direxion Daily Retail Bull 3X Shares ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
417	REW	ProShares UltraShort Technology	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
418	RGTU	Tradr 2X Long RGTI Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
419	RGTX	Defiance Daily Target 2X Long RGTI ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
420	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	2025-11-15T09:36:02-06:00
421	RIOX	Tidal Trust II Defiance Daily Target 2X Long RIOT ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
422	RKLX	Defiance Daily Target 2X Long RKLB ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
423	ROBN	ETF Opportunities Trust T-Rex 2X Long HOOD Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
424	ROM	ProShares Ultra Technology	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
425	RSSX	Tidal Trust II Return Stacked U.S. Stocks & Gold/Bitcoin ETF	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
426	RTXG	Leverage Shares 2X Long RTX Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
427	RVNL	GraniteShares 2x Long RIVN Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
428	RWM	ProShares Short Russell2000	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-11-15T09:36:02-06:00
429	RXD	ProShares UltraShort Health Care	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
430	RXL	ProShares Ultra Health Care	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
431	SAA	ProShares Ultra SmallCap600	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
432	SARK	Tradr 1X Short Innovation Daily ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-11-15T09:36:02-06:00
433	SBB	ProShares Short SmallCap600	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-11-15T09:36:02-06:00

#	symbol	name	etp_type	category	reasons	timestamp
434	SBIT	ProShares Trust ProShares UltraShort Bitcoin ETF	Trust	leveraged_index_inverse	etf_flag_Y, type_trust_with_commodity, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
435	SBTU	ETF Opportunities Trust T-REX 2X Long SBET Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
436	SCC	ProShares UltraShort Consumer Discretionary	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
437	SCDL	ETRACS 2x Leveraged US Dividend Factor TR ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-11-15T09:36:02-06:00
438	SCLS	Stoneport Advisors Commodity Long Short ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
439	SCO	ProShares UltraShort Bloomberg Crude Oil	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
440	SDD	ProShares UltraShort SmallCap600	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
441	SDOW	UltraPro Short Dow30	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_ultrapro_implies_3x, inverse_keyword_under_brand, implied_multiplier_3x	2025-11-15T09:36:02-06:00
442	SDP	ProShares UltraShort Utilities	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
443	SDS	ProShares UltraShort S&P500;	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
444	SEF	ProShares Short Financials	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-11-15T09:36:02-06:00
445	SETH	ProShares Short Ether ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
446	SGOL	abrdn Physical Gold Shares ETF	ETF	commodity_physical_trust	etf_flag_Y, type_etf, physical_keyword	2025-11-15T09:36:02-06:00
447	SH	ProShares Short S&P500;	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
448	SHNY	Bank Of Montreal MicroSectors Gold 3X Leveraged ETNs due January 29, 2043	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-11-15T09:36:02-06:00
449	SHPD	Direxion Daily SHOP Bear 1X ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
450	SHPU	Direxion Daily SHOP Bull 2X ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
451	SHRT	Gotham Short Strategies ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-11-15T09:36:02-06:00
452	SHYD	VanEck ETF Trust VanEck Short High Yield Muni ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
453	SIJ	ProShares UltraShort Industrials	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
454	SILJ	Amplify ETF Trust Amplify Junior Silver Miners ETF	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
455	SIVR	abrdn Physical Silver Shares ETF	ETF	commodity_physical_trust	etf_flag_Y, type_etf, physical_keyword	2025-11-15T09:36:02-06:00
456	SJB	ProShares Short High Yield	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00

#	symbol	name	etp_type	category	reasons	timestamp
457	SKF	ProShares UltraShort Financials	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
458	SKRE	Tuttle Capital Daily 2X Inverse Regional Banks ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-11-15T09:36:02-06:00
459	SKYU	ProShares Ultra Cloud Computing	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
460	SLON	ProShares Trust ProShares Ultra Solana ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
461	SLTY	Tidal Trust II YieldMax Ultra Short Option Income Strategy ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-11-15T09:36:02-06:00
462	SLV	iShares Silver Trust	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
463	SLVR	Sprott Silver Miners & Physical Silver ETF	ETF	commodity_physical_trust	etf_flag_Y, type_etf, physical_keyword	2025-11-15T09:36:02-06:00
464	SMCL	GraniteShares 2x Long SMCI Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
465	SMCX	Defiance Daily Target 2X Long SMCI ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
466	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	2025-11-15T09:36:02-06:00
467	SMDD	UltraPro Short MidCap400	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_ultrapro_implies_3x, inverse_keyword_under_brand, implied_multiplier_3x	2025-11-15T09:36:02-06:00
468	SMHB	ETRACS Monthly Pay 2x Leveraged Small Cap High Dividend ETN Series B	ETN	leveraged_index_long	type_etn_by_name, leverage_context	2025-11-15T09:36:02-06:00
469	SMN	ProShares UltraShort Materials	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
470	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	2025-11-15T09:36:02-06:00
471	SMU	Tradr 2X Long SMR Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
472	SMUP	ETF Opportunities Trust T-REX 2X Long SMR Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
473	SNOU	ETF Opp Tr T-REX 2X Long SNOW Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
474	SNPX	Investment Managers Series Trust II Tradr 2X Long SNPS Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
475	SOFX	Defiance Daily Target 2X Long SOFI ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
476	SOLT	2x Solana ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
477	SOUX	Defiance Daily Target 2X Long SOUN ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
478	SOXL	Direxion Daily Semiconductor Bull 3x Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
479	SOXS	Direxion Daily Semiconductor Bear 3x Shares	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-11-15T09:36:02-06:00
480	SPBC	Simplify US Equity PLUS Bitcoin Strategy ETF	ETF	crypto_futures	etf_flag_Y, type_etf, futures_keyword	2025-11-15T09:36:02-06:00

#	symbol	name	etp_type	category	reasons	timestamp
481	SPDN	Direxion Daily S&P; 500 Bear 1X Shares	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-11-15T09:36:02-06:00
482	SPPP	Sprott Physical Platinum and Palladium Trust	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity, physical_keyword	2025-11-15T09:36:02-06:00
483	SPUU	Direxion Daily S&P; 500 Bull 2X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
484	SPXL	Direxion Daily S&P; 500 Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
485	SPXS	Direxion Daily S&P; 500 Bear 3X	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-11-15T09:36:02-06:00
486	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	2025-11-15T09:36:02-06:00
487	SPYQ	Tradr 2X Long SPY Quarterly ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
488	SPYU	Bank Of Montreal MAX S&P; 500 4X Leveraged ETNs due October 30, 2043	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-11-15T09:36:02-06:00
489	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	2025-11-15T09:36:02-06:00
490	SRPU	Investment Managers Series Trust II Tradr 2X Long SRPT Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
491	SRS	ProShares UltraShort Real Estate	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
492	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	2025-11-15T09:36:02-06:00
493	SSG	ProShares UltraShort Semiconductors	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
494	SSO	ProShares Ultra S&P500;	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
495	SVIX	VS TR -1x Short VIX Futures ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
496	SVXY	ProShares Short VIX Short Term Futures ETF	ETF	commodity_futures	etf_flag_Y, type_etf, futures_keyword	2025-11-15T09:36:02-06:00
497	SZK	ProShares UltraShort Consumer Staples	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
498	TARK	Tradr 2X Long Innovation ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
499	TBF	ProShares Short 20+ Year Treasury	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-11-15T09:36:02-06:00
500	TBT	ProShares UltraShort Lehman 20 Year Treasury	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
501	TBX	ProShares Short 7 10 Year Treasury	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-11-15T09:36:02-06:00
502	TBXU	Direxion Shares ETF Trust Direxion Daily Biotech Top 5 Bull 2X ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
503	TECL	Direxion Technology Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
504	TECS	Direxion Technology Bear 3X Shares	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-11-15T09:36:02-06:00

#	symbol	name	etp_type	category	reasons	timestamp
505	TEMT	Tradr 2X Long TEM Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
506	TEXU	Direxion Shares ETF Trust Direxion Daily Energy Top 5 Bull 2X ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
507	TMF	Direxion Daily 20-Yr Treasury Bull 3x Shrs	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
508	TMV	Direxion Daily 20-Year Treasury Bear 3X	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-11-15T09:36:02-06:00
509	TNA	Direxion Small Cap Bull 3X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
510	TOAK	Manager Directed Portfolios Twin Oak Short Horizon Absolute Return ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-11-15T09:36:02-06:00
511	TPOR	Direxion Daily Transportation Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
512	TQQQ	ProShares UltraPro QQQ	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_ultrapro_implies_3x, implied_multiplier_3x	2025-11-15T09:36:02-06:00
513	TSDD	GraniteShares 2x Short TSLA Daily ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
514	TSLG	Leverage Shares 2X Long TSLA Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
515	TSLI	ProShares Trust ProShares Ultra TSLA	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
516	TSLL	Direxion Daily TSLA Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
517	TSLO	Themes ETF Trust Leverage Shares 2x Capped Accelerated TSLA Monthly ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
518	TSLQ	Tradr 2X Short TSLA Daily ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
519	TSLR	GraniteShares 2x Long TSLA Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
520	TSLS	Direxion Daily TSLA Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
521	TSLT	ETF Opportunities Trust T-REX 2X Long Tesla Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
522	TSLZ	ETF Opportunities Trust T-Rex 2X Inverse Tesla Daily Target ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-11-15T09:36:02-06:00
523	TSMG	Leverage Shares 2X Long TSM Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
524	TSMU	GraniteShares 2x Long TSM Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
525	TSMX	Direxion Daily TSM Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
526	TSMZ	Direxion Daily TSM Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
527	TSXD	Direxion Shares ETF Trust Direxion Daily Semiconductors Top 5 Bear 2X ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-11-15T09:36:02-06:00
528	TSXU	Direxion Shares ETF Trust Direxion Daily Semiconductors Top 5 Bull 2X ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00

#	symbol	name	etp_type	category	reasons	timestamp
529	TTDU	ETF Opportunities Trust T-REX 2X Long TTD Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
530	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	2025-11-15T09:36:02-06:00
531	TTXD	Direxion Shares ETF Trust Direxion Daily Technology Top 5 Bear 2X ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-11-15T09:36:02-06:00
532	TTXU	Direxion Shares ETF Trust Direxion Daily Technology Top 5 Bull 2X ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
533	TWM	ProShares UltraShort Russell2000	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
534	TXBC	Listed Funds Trust 21Shares FTSE Crypto 10 ex-BTC Index ETF	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
535	TYD	Direxion Daily 10-Yr Treasury Bull 3x Shrs	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
536	TYO	Direxion Daily 10-Yr Treasury Bear 3x Shrs	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-11-15T09:36:02-06:00
537	TZA	Direxion Small Cap Bear 3X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
538	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	2025-11-15T09:36:02-06:00
539	UBR	ProShares Ultra MSCI Brazil Capped	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
540	UBRL	GraniteShares 2x Long UBER Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
541	UBT	ProShares Ultra 20+ Year Treasury	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
542	UCC	ProShares Ultra Consumer Discretionary	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
543	UCO	ProShares Ultra Bloomberg Crude Oil	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
544	UCYB	ProShares Ultra Nasdaq Cybersecurity	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
545	UDOW	ProShares UltraPro Dow30	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_ultrapro_implies_3x, implied_multiplier_3x	2025-11-15T09:36:02-06:00
546	UGE	ProShares Ultra Consumer Staples	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
547	UGL	ProShares Ultra Gold	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
548	UJB	ProShares Ultra High Yield ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
549	ULE	ProShares Ultra Euro	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
550	UMDD	UltraPro MidCap400	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_ultrapro_implies_3x, implied_multiplier_3x	2025-11-15T09:36:02-06:00
551	UNHG	Leverage Shares 2X Long UNH Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
552	UNX	Investment Managers Series Trust II Tradr 2X Long U Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00

#	symbol	name	etp_type	category	reasons	timestamp
553	UPRO	ProShares UltraPro S&P; 500	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_ultrapro_implies_3x, implied_multiplier_3x	2025-11-15T09:36:02-06:00
554	UPSX	Tradr 2X Long UPST Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
555	UPV	ProShares Ultra FTSE Europe	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
556	UPW	ProShares Ultra Utilities	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
557	URAA	Direxion Shares ETF Trust Direxion Daily Uranium Industry Bull 2X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
558	URE	ProShares Ultra Real Estate	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
559	URSP	ProShares Trust ProShares Ultra S&P; 500 Equal Weight	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
560	URTY	ProShares UltraPro Russell2000	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_ultrapro_implies_3x, implied_multiplier_3x	2025-11-15T09:36:02-06:00
561	USD	ProShares Ultra Semiconductors	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
562	USG	USCF Gold Strategy Plus Income Fund	ETF	commodity_futures	etf_flag_Y, type_etf, futures_keyword	2025-11-15T09:36:02-06:00
563	USML	ETRACS 2x Leveraged MSCI US Minimum Volatility Factor TR ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-11-15T09:36:02-06:00
564	USNG	Amplify ETF Trust Amplify Samsung U.S. Natural Gas Infrastructure ETF	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity	2025-11-15T09:36:02-06:00
565	UST	ProShares Ultra 7-10 Year Treasury	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
566	UTSL	Direxion Daily Utilities Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
567	UVIX	VS TR 2x Long VIX Futures ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
568	UVXY	ProShares Trust Ultra VIX Short Term Futures ETF	Trust	commodity_futures	etf_flag_Y, type_trust_with_commodity, futures_keyword	2025-11-15T09:36:02-06:00
569	UWM	ProShares Ultra Russell2000	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
570	UXI	ProShares Ultra Industrials	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
571	UXRP	ProShares Trust ProShares Ultra XRP ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
572	UYG	ProShares Ultra Financials	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
573	UYM	ProShares Ultra Materials	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
574	VIXM	ProShares Trust VIX Mid-Term Futures ETF	Trust	commodity_futures	etf_flag_Y, type_trust_with_commodity, futures_keyword	2025-11-15T09:36:02-06:00
575	VIXY	ProShares Trust VIX Short-Term Futures ETF	Trust	commodity_futures	etf_flag_Y, type_trust_with_commodity, futures_keyword	2025-11-15T09:36:02-06:00
576	VOYX	Tradr 2X Long VOYG Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00

#	symbol	name	etp_type	category	reasons	timestamp
577	VRTL	GraniteShares 2x Long VRT Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
578	VSTL	Defiance Daily Target 2X Long VST ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
579	VXX	iPath Series B S&P; 500 VIX Short-Term Futures ETN	ETN	commodity_futures	type_etn_by_name, futures_keyword	2025-11-15T09:36:02-06:00
580	VXZ	iPath Series B S&P; 500 VIX Mid-Term Futures ETN	ETN	commodity_futures	type_etn_by_name, futures_keyword	2025-11-15T09:36:02-06:00
581	VYLD	J P Morgan Chase & Co Inverse VIX Short-Term Futures ETNs due March 22, 2045	ETN	commodity_futures	etf_flag_Y, type_etn_by_name, futures_keyword	2025-11-15T09:36:02-06:00
582	WANT	Direxion Daily Consumer Discretionary Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
583	WEBL	Direxion Daily Dow Jones Internet Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
584	WEBS	Direxion Daily Dow Jones Internet Bear 3X Shares	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-11-15T09:36:02-06:00
585	WHTX	Volatility Shares Trust 2x Wheat ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
586	WILD	Tidal Trust III VistaShares Animal Spirits Daily 2X Strategy ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
587	WNTR	Tidal Trust II YieldMax MSTR Short Option Income Strategy ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-11-15T09:36:02-06:00
588	WTID	Bank Of Montreal MicroSectors Energy 3X Inverse Leveraged ETNs	ETN	leveraged_index_inverse	etf_flag_Y, type_etn_by_name, leverage_context, inverse_context	2025-11-15T09:36:02-06:00
589	WTIU	Bank Of Montreal MicroSectors Energy 3X Leveraged ETNs	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-11-15T09:36:02-06:00
590	WULX	Investment Managers Series Trust II Tradr 2X Long WULF Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
591	WXET	Listed Funds Trust Teucrium 2x Daily Wheat ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
592	XOMX	Direxion Daily XOM Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
593	XOMZ	Direxion Daily XOM Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
594	XPM	Defiance Daily Target 2x Long PM ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
595	XPP	ProShares Ultra FTSE China 50	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
596	XRPT	Volatility Shares Trust XRP 2X ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-11-15T09:36:02-06:00
597	XXRP	Listed Funds Trust Teucrium 2x Long Daily XRP ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
598	XYZG	Leverage Shares 2X Long XYZ Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
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	2025-11-15T09:36:02-06:00
600	YBIT	Tidal Trust II YieldMax Bitcoin Option Income Strategy ETF	Trust	crypto_futures	etf_flag_Y, type_trust_with_commodity, futures_keyword	2025-11-15T09:36:02-06:00

#	symbol	name	etp_type	category	reasons	timestamp
601	YBTC	Roundhill ETF Trust Roundhill Bitcoin Covered Call Strategy ETF	Trust	crypto_futures	etf_flag_Y, type_trust_with_commodity, futures_keyword	2025-11-15T09:36:02-06:00
602	YCL	ProShares Ultra Yen	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
603	YCS	ProShares UltraShort Yen New	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00
604	YETH	Roundhill ETF Trust Roundhill Ether Covered Call Strategy ETF	Trust	crypto_futures	etf_flag_Y, type_trust_with_commodity, futures_keyword	2025-11-15T09:36:02-06:00
605	YGLD	Simplify Exchange Traded Funds Simplify Gold Strategy PLUS Income ETF	ETF	commodity_futures	etf_flag_Y, type_etf, futures_keyword	2025-11-15T09:36:02-06:00
606	YINN	Direxion Daily FTSE China Bull 3x Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-11-15T09:36:02-06:00
607	YQQQ	YieldMax Short N100 Option Income Strategy ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-11-15T09:36:02-06:00
608	YXI	ProShares Short FTSE China 50	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-11-15T09:36:02-06:00
609	ZSL	ProShares UltraShort Silver	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-11-15T09:36:02-06:00

## 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
```