harsh6_fin556_algo_trading_symbols_homework

Automated NASDAQ ETP Scanner — Output and Source Code

Summary

Total matches: **538**

Category	Count
leveraged_single_stock_long	158
leveraged_index_long	132
leveraged_index_inverse	95
leveraged_single_stock_inverse	62
commodity_physical_trust	31
crypto_trust	29
crypto_futures	16
commodity_futures	15

Run metadata

```
source_url: https://www.nasdaqtrader.com/dynamic/SymDir/nasdaqtraded.txt
timestamp_chicago: 2025-09-10T22:33:07-05:00
records_count: 538
output_csv: outputs/2025-09-10/etp_candidates.csv
output_jsonl: outputs/2025-09-10/etp_candidates.jsonl
```

Detected Symbols (Full List)

mbol	name	etp_type	category	reasons	timestamp
AU	Goldman Sachs Physical Gold ETF Shares	ETF	commodity_physical_trust	etf_flag_Y, type_etf, physical_keyword	2025-09-10T22:33
LG	Leverage Shares 2X Long AAL Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
PB	GraniteShares 2x Long AAPL Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
PD	Direxion Daily AAPL Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-09-10T22:33

mbol	name	etp_type	category	reasons	timestamp
PU	Direxion Daily AAPL Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
PX	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	2025-09-10T22:33
BG	Leverage Shares 2X Long ADBE Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
TH	Bitwise Trendwise Ether and Treasuries Rotation Strategy ETF	ETF	crypto_futures	etf_flag_Y, type_etf, futures_keyword	2025-09-10T22:33
Q	ProShares Ultra Silver	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
D	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	2025-09-10T22:33
U	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	2025-09-10T22:33
OD	Direxion Daily AMD Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-09-10T22:33
DG	Leverage Shares 2X Long AMD Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
DL	GraniteShares 2x Long AMD Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
UU	Direxion Daily AMD Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
ZD	Direxion Daily AMZN Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-09-10T22:33
ZU	Direxion Daily AMZN Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
ZZ	GraniteShares 2x Long AMZN Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
EL	Defiance Daily Target 2x Long ANET ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
LX	Tradr 2X Long APLD Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
PX	Tradr 2X Long APP Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
CX	Tradr 2X Long ACHR Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
KA	EA Series Trust ARK 21Shares Active Bitcoin Futures Strategy ETF	Trust	crypto_futures	etf_flag_Y, type_trust_with_commodity, futures_keyword	2025-09-10T22:33
KZ	EA Series Trust ARK 21Shares Active Ethereum Futures Strategy ETF	Trust	crypto_futures	etf_flag_Y, type_trust_with_commodity, futures_keyword	2025-09-10T22:33
MG	Leverage Shares 2X Long ARM Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33

bol	name	etp_type	category	reasons	timestamp
MU	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	2025-09-10T22:33
MG	Leverage Shares 2X Long ASML Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
TX	Tradr 2X Long ASTS Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
GG	Leverage Shares 2X Long AVGO Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
GU	GraniteShares 2x Long AVGO Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
GX	Defiance Daily Target 2X Long AVGO ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
L	Direxion Daily AVGO Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
S	Direxion Daily AVGO Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-09-10T22:33
BX	GraniteShares 2x Long BABA Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
GY	Amplify ETF Trust Amplify Bitcoin Max Income Covered Call ETF	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
G	Leverage Shares 2X Long BBAI Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
R	GraniteShares Gold Trust Shares of Beneficial Interest	Trust	commodity_physical_trust	type_trust_with_commodity	2025-09-10T22:33
B	CYBER HORNET S&P; 500 and Bitcoin 75/25 Strategy ETF	ETF	crypto_futures	etf_flag_Y, type_etf, futures_keyword	2025-09-10T22:33
OR	Grayscale Funds Trust Grayscale Bitcoin Adopters ETF	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
CX	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	2025-09-10T22:33
GS	Collaborative Investment Series Trust Rareview 2x Bull Cryptocurrency & Precious Metals ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
RZ	MicroSectors FANG & Innovation -3x Inverse Leveraged ETN	ETN	leveraged_index_inverse	etf_flag_Y, type_etn_by_name, leverage_context, inverse_context	2025-09-10T22:33
AP	First Trust Exchange-Traded Fund FT Vest Bitcoin Strategy Floor15 ETF April	Trust	crypto_futures	etf_flag_Y, type_trust_with_commodity, futures_keyword	2025-09-10T22:33
L	First Trust Exchange-Traded Fund FT Vest Bitcoin Strategy Floor15 ETF July	Trust	crypto_futures	etf_flag_Y, type_trust_with_commodity, futures_keyword	2025-09-10T22:33
LD	FT Vest Gold Strategy Quarterly Buffer ETF	ETF	commodity_futures	etf_flag_Y, type_etf, futures_keyword	2025-09-10T22:33
	ProShares Ultra Nasdaq Biotechnology	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
	ProShares UltraShort Nasdaq Biotechnology	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-09-10T22:33
C	Bitwise Trendwise Bitcoin and Treasuries Rotation Strategy ETF	ETF	crypto_futures	etf_flag_Y, type_etf, futures_keyword	2025-09-10T22:33

mbol	name	etp_type	category	reasons	timestamp
	ProShares Short Bitcoin ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-09-10T22:33
S	Global X Blockchain & Bitcoin Strategy ETF	ETF	crypto_futures	etf_flag_Y, type_etf, futures_keyword	2025-09-10T22:33
U	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	2025-09-10T22:33
X	Volatility Shares Trust 2x Bitcoin Strategy ETF	Trust	leveraged_index_long	etf_flag_Y, type_trust_with_commodity, leverage_context	2025-09-10T22:33
KD	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	2025-09-10T22:33
ED	Direxion Daily BA Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-09-10T22:33
EG	Leverage Shares 2X Long BA Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
EU	Direxion Daily BA Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
L	ProShares Ultra Bloomberg Natural Gas	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
	Grayscale Funds Trust Grayscale Bitcoin Premium Income ETF	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
KD	Direxion Daily BRKB Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-09-10T22:33
KU	Direxion Daily BRKB Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
ZU	Direxion Daily Brazil Bull 2X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
C	Grayscale Bitcoin Mini Trust (BTC) Common units of fractional undivided beneficial interest	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
CC	Grayscale Funds Trust Grayscale Bitcoin Covered Call ETF	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
CI	NEOS ETF Trust NEOS Bitcoin High Income ETF	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
CL	T-Rex 2X Long Bitcoin Daily Target ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
CZ	T-Rex 2X Inverse Bitcoin Daily Target ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-09-10T22:33
DP	Bitwise Trendwise BTC/ETH and Treasuries Rotation Strategy ETF	ETF	crypto_futures	etf_flag_Y, type_etf, futures_keyword	2025-09-10T22:33
RN	Global X Funds Global X Bitcoin Trend Strategy ETF	ETF	crypto_futures	etf_flag_Y, type_etf, futures_keyword	2025-09-10T22:33
LG	Leverage Shares 2X Long BULL Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
LU	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	2025-09-10T22:33
LX	GraniteShares 2x Long BULL Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
LZ	MicroSectors FANG & Innovation 3x Leveraged ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-09-10T22:33
Q	ProShares UltraShort MSCI Brazil Capped	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-09-10T22:33

mbol	name	etp_type	category	reasons	timestamp
RD	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	2025-09-10T22:33
RU	Bank Of Montreal MAX Auto Industry 3x Leveraged ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-09-10T22:33
DA	Calamos ETF Trust Calamos Bitcoin Structured Alt Protection ETF - April	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
DJ	Calamos ETF Trust Calamos Bitcoin Structured Alt Protection ETF - January	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
DY	Calamos ETF Trust Calamos Bitcoin Structured Alt Protection ETF - July	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
TA	Calamos ETF Trust Calamos Bitcoin 80 Series Structured Alt Protection ETF - April	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
TJ	Calamos ETF Trust Calamos Bitcoin 80 Series Structured Alt Protection ETF - January	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
TY	Calamos ETF Trust Calamos Bitcoin 80 Series Structured Alt Protection ETF - July	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
XA	Calamos ETF Trust Calamos Bitcoin 90 Series Structured Alt Protection ETF - April	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
XJ	Calamos ETF Trust Calamos Bitcoin 90 Series Structured Alt Protection ETF - January	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
XY	Calamos ETF Trust Calamos Bitcoin 90 Series Structured Alt Protection ETF - July	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
UP	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	2025-09-10T22:33
F	Sprott Physical Gold and Silver Trust Units	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity, physical_keyword	2025-09-10T22:33
FD	ETRACS Monthly Pay 1.5X Leveraged Closed-End Fund Index ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-09-10T22:33
GX	Tradr 2X Long CEG Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
AU	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	2025-09-10T22:33
X	ProShares Long Online/Short Stores ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-09-10T22:33
SE	Trust for Professional Managers Convergence Long/Short Equity ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-09-10T22:33
A	ProShares Trust ProShares Ultra COIN	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
G	Leverage Shares 2X Long COIN Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
O	Themes ETF Trust Leverage Shares 2x Capped Accelerated COIN Monthly ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
NI	GraniteShares 2x Short COIN Daily ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-09-10T22:33

mbol	name	etp_type	category	reasons	timestamp
NL	GraniteShares 2x Long COIN Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
PA	Themes ETF Trust Themes Copper Miners ETF	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
RX	Volatility Shares Trust 2x Corn ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
KR	Tidal Trust III USCF Daily Target 2X Copper Index ETF	Trust	leveraged_index_long	etf_flag_Y, type_trust_with_commodity, leverage_context	2025-09-10T22:33
Z	Calamos Long/Short Equity & Dynamic Income Trust - Closed End Fund	ETF	leveraged_index_inverse	inverse_context	2025-09-10T22:33
CA	ProShares Trust ProShares Ultra CRCL	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
CG	Leverage Shares 2X Long CRCL Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
MG	Leverage Shares 2X Long CRM Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
SH	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	2025-09-10T22:33
WG	Leverage Shares 2X Long CRWV Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
WL	GraniteShares 2x Long CRWD Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
WU	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	2025-09-10T22:33
CL	Direxion Daily CSCO Bull 2X ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
CS	Direxion Daily CSCO Bear 1X ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-09-10T22:33
RE	Direxion Daily Healthcare Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
NX	Defiance Daily Target 2X Long CVNA ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
SB	Morgan Stanley ETF Trust Calvert Ultra-Short Investment Grade ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-09-10T22:33
EB	Direxion Daily CSI China Internet Index Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
VX	Tradr 2X Long CRWV Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
RN	Listed Funds Trust Teucrium 2x Daily Corn ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
M	ProShares Ultra Dow30	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
FI	Tidal Commodities Trust I Hashdex Bitcoin ETF	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
EN	Direxion Daily Aerospace & Defense Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
I	First Trust Exchange-Traded Fund FT Vest Bitcoin Strategy & Target Income ETF	Trust	crypto_futures	etf_flag_Y, type_trust_with_commodity, futures_keyword	2025-09-10T22:33

mbol	name	etp_type	category	reasons	timestamp
Z	DB Gold Short ETN due February 15, 2038	ETN	leveraged_single_stock_inverse	type_etn_by_name, inverse_context, single_stock_detected	2025-09-10T22:33
	ProShares Ultra Energy	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
S	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	2025-09-10T22:33
U	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	2025-09-10T22:33
NX	Defiance Daily Target 2X Long DKNG ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
UP	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	2025-09-10T22:33
L	GraniteShares 2x Long DELL Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
G	ProShares Short Dow30	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-09-10T22:33
GD	Tradr 2X Long DDOG Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
ST	Direxion Daily Regional Banks Bull 3X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
P	Direxion Daily S&P; Oil & Gas Exp. & Prod. Bear 2X Shares	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-09-10T22:33
N	Direxion Daily Real Estate Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
V	Direxion Daily Real Estate Bear 3X Shares	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-09-10T22:33
G	ProShares UltraShort Energy	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-09-10T22:33
LL	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	2025-09-10T22:33
SL	Direxion Daily Industrials Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
ST	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	2025-09-10T22:33
SH	AdvisorShares Dorsey Wright Short ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-09-10T22:33
O	ProShares UltraShort Dow30	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-09-10T22:33
Z	DB Gold Double Short ETN due February 15, 2038	ETN	leveraged_single_stock_inverse	type_etn_by_name, inverse_context, single_stock_detected	2025-09-10T22:33
C	Direxion Emerging Markets Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
Z	Direxion Emerging Markets Bear 3X Shares	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-09-10T22:33
T	ProShares Ultra MSCI Emerging Markets	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
V	ProShares UltraShort MSCI Emerging Markets	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-09-10T22:33

mbol	name	etp_type	category	reasons	timestamp
D	ProShares Ultra MSCI EAFE	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
U	ProShares UltraShort MSCI EAFE	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-09-10T22:33
Z	ProShares Short MSCI EAFE	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-09-10T22:33
LS	Even Herd Long Short ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-09-10T22:33
L	Direxion Daily LLY Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
S	Direxion Daily LLY Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-09-10T22:33
V	ProShares UltraShort FTSE Europe ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-09-10T22:33
X	Direxion Energy Bull 2X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
Y	Direxion Daily Energy Bear 2X Shares	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-09-10T22:33
CO	Grayscale Funds Trust Grayscale Ethereum Covered Call ETF	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
H	Grayscale Ethereum Mini Trust (ETH) Common units of fractional undivided beneficial interest	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
HA	iShares Ethereum Trust - iShares Ethereum Trust ETF	Trust	crypto_trust	type_trust_with_commodity	2025-09-10T22:33
HD	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	2025-09-10T22:33
HE	Grayscale Ethereum Trust (ETH) Common units of fractional undivided beneficial interest	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
HT	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	2025-09-10T22:33
HU	Volatility Shares Trust 2x Ether ETF	Trust	leveraged_index_long	etf_flag_Y, type_trust_with_commodity, leverage_context	2025-09-10T22:33
Q	T-Rex 2X Inverse Ether Daily Target ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-09-10T22:33
RL	GraniteShares 2x Long ETOR Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
U	T-Rex 2X Long Ether Daily Target ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
M	ProShares Short MSCI Emerging Markets	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-09-10T22:33
O	ProShares UltraShort Euro	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-09-10T22:33
RL	Direxion Daily FTSE Europe Bull 3x Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
AV	Direxion Shares ETF Trust Direxion Daily Electric and Autonomous Vehicles Bull 2X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
V	ProShares UltraShort MSCI Japan	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-09-10T22:33

mbol	name	etp_type	category	reasons	timestamp
3C	Franklin Templeton Digital Holdings Trust Shares of Franklin Bitcoin ETF	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
	ProShares Ultra MSCI Japan	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
S	Direxion Financial Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
Z	Direxion Financial Bear 3X Shares	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-09-10T22:33
L	GraniteShares 2x Long META Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
G	First Trust Natural Gas ETF	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
S	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	2025-09-10T22:33
OL	Franklin Templeton Holdings Trust Franklin Responsibly Sourced Gold ETF	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
T	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	2025-09-10T22:33
D	Bank of Montreal MicroSectors Travel -3x Inverse Leveraged ETN	ETN	leveraged_index_inverse	etf_flag_Y, type_etn_by_name, leverage_context, inverse_context	2025-09-10T22:33
U	Bank of Montreal MicroSectors Travel 3x Leveraged ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-09-10T22:33
GD	MicroSectors FANG Index -3X Inverse Leveraged ETNs due January 8, 2038	ETN	leveraged_index_inverse	type_etn_by_name, leverage_context, inverse_context	2025-09-10T22:33
GG	Direxion Daily NYSE FANG+ Bull 2X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
GO	MicroSectors FANG Index 2X Leveraged ETNs due January 8, 2038	ETN	leveraged_index_long	type_etn_by_name, leverage_context	2025-09-10T22:33
GU	Bank Of Montreal MicroSectors FANG+ 3X Leveraged ETNs	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-09-10T22:33
OD	Direxion Daily F Bear 1X ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-09-10T22:33
OU	Direxion Daily F Bull 2X ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
S	First Trust Long/Short Equity	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-09-10T22:33
N	First Trust Nasdaq Oil & Gas ETF	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
P	ProShares Ultrashort FTSE China 50	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-09-10T22:33
TC	Grayscale Bitcoin Trust (BTC) Common Units of fractional undivided beneficial interest	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
E	WisdomTree Trust WisdomTree Efficient Gold Plus Equity Strategy Fund	Trust	commodity_futures	etf_flag_Y, type_trust_with_commodity, futures_keyword	2025-09-10T22:33
MN	WisdomTree Trust WisdomTree Efficient Gold Plus Gold Miners Strategy Fund	Trust	commodity_futures	etf_flag_Y, type_trust_with_commodity, futures_keyword	2025-09-10T22:33
XD	MicroSectors Gold Miners -3X Inverse Leveraged ETNs	ETN	leveraged_index_inverse	etf_flag_Y, type_etn_by_name, leverage_context, inverse_context	2025-09-10T22:33
XU	MicroSectors Gold Miners 3X Leveraged ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-09-10T22:33

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XY	Tidal Trust II YieldMax Gold Miners Option Income Strategy ETF	Trust	commodity_futures	etf_flag_Y, type_trust_with_commodity, futures_keyword	2025-09-10T22:33
VX	Tradr 2X Long GEV Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
LL	Direxion Daily GOOGL Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
LS	Direxion Daily GOOGL Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-09-10T22:33
N	GAMCO Global Gold, Natural Resources & Income Trust	Trust	commodity_physical_trust	type_trust_with_commodity	2025-09-10T22:33
N$B	GAMCO Global Gold, Natural Reources & Income Trust 5.00% Series B Cumulative 25.00 Liquidation Preference	Trust	commodity_physical_trust	type_trust_with_commodity	2025-09-10T22:33
D	SPDR Gold Trust	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
DM	SPDR Gold MiniShares Trust	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
GG	Leverage Shares 2X Long GLXY Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
L	ProShares UltraShort Gold	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-09-10T22:33
XU	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	2025-09-10T22:33
EU	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	2025-09-10T22:33
T	GAMCO Natural Resources, Gold & Income Trust	Trust	commodity_physical_trust	type_trust_with_commodity	2025-09-10T22:33
LY	Strategy Shares Gold Enhanced Yield ETF	ETF	commodity_futures	etf_flag_Y, type_etf, futures_keyword	2025-09-10T22:33
OX	ETF Opportunities Trust T-Rex 2X Long Alphabet Daily Target ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
SH	Direxion Daily S&P; Oil & Gas Exp. & Prod. Bull 2X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
TC	Listed Funds Trust Fortuna Hedged Bitcoin Fund	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
GE	Ranger Equity Bear Bear ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-09-10T22:33
EQ	Tidal Trust I Unlimited HFEQ Equity Long/Short ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-09-10T22:33
L	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	2025-09-10T22:33
S	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	2025-09-10T22:33
Z	Defiance Daily Target 2X Long HIMS ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
DL	VanEck Bitcoin Trust Common Shares of Beneficial Interest	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
OG	Leverage Shares 2X Long HOOD Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
OX	Defiance Daily Target 2X Long HOOD ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33

mbol	name	etp_type	category	reasons	timestamp
	iShares Gold Trust Shares of the iShares Gold Trust	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
I	NEOS ETF Trust NEOS Gold High Income ETF	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
M	iShares Gold Trust Micro Shares	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
	iShares Bitcoin Trust ETF - iShares Bitcoin Trust ETF	Trust	crypto_trust	type_trust_with_commodity	2025-09-10T22:33
D	FT Vest Gold Strategy Target Income ETF	ETF	commodity_futures	etf_flag_Y, type_etf, futures_keyword	2025-09-10T22:33
L	Direxion Daily MSCI India Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
W	GraniteShares 2x Long INTC Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
L	GraniteShares 2x Long IONQ Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
X	Defiance Daily Target 2X Long IONQ ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
Z	Defiance Daily Target 2x Short IONQ ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-09-10T22:33
OL	ETRACS 2x Leveraged US Value Factor TR ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-09-10T22:33
L	ETRACS 2x Leveraged US Growth Factor TR ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-09-10T22:33
ML	ETRACS 2x Leveraged US Size Factor TR ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-09-10T22:33
T	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	2025-09-10T22:33
D	Bank Of Montreal MAX Airlines -3X Inverse Leveraged ETNs	ETN	leveraged_index_inverse	etf_flag_Y, type_etn_by_name, leverage_context, inverse_context	2025-09-10T22:33
U	Bank Of Montreal MAX Airlines 3X Leveraged ETNs	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-09-10T22:33
UG	Direxion Daily Junior Gold Miners Index Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
X	Tradr 2X Long JOBY Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
	Defiance Daily Target 2X Long JPM ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
AB	KraneShares 2x Long BABA Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
LD	Kurv ETF Trust Kurv Gold Enhanced Income ETF	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
LI	KraneShares 2x Long MELI Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
LD	ProShares UltraShort Bloomberg Natural Gas	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-09-10T22:33
RU	Direxion Daily South Korea Bull 3X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
DD	KraneShares 2x Long PDD Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
D	Direxion Daily S&P; Biotech Bear 3X Shares	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-09-10T22:33

mbol	name	etp_type	category	reasons	timestamp
GU	Direxion Daily S&P; Biotech Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
X	Tradr 2X Long ALAB Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
LY	Leatherback Long/Short Alternative Yield ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-09-10T22:33
DL	GraniteShares 2x Long LCID Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
X	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	2025-09-10T22:33
Z	Defiance Daily Target 2X Short LLY ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-09-10T22:33
BO	Direxion Shares ETF Trust Direxion Daily Crypto Industry Bull 2X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
TL	Direxion Daily LMT Bull 2X ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
TS	Direxion Daily LMT Bear 1X ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-09-10T22:33
CU	Tradr 2X Long LRCX Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
Q	Harbor ETF Trust Harbor Long-Short Equity ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-09-10T22:33
	ProShares Ultra Communication Services	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
GX	Roundhill Daily 2X Long Magnificent Seven ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
XI	Simplify Bitcoin Strategy PLUS Income ETF	ETF	crypto_futures	etf_flag_Y, type_etf, futures_keyword	2025-09-10T22:33
BX	Tradr 2X Long MDB Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
TD	Direxion Daily META Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-09-10T22:33
TU	Direxion Daily META Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
XX	Direxion Daily MSCI Mexico Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
DU	Direxion Mid Cap Bull 3X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
PR	ETRACS Quarterly Pay 1.5X Leveraged Alerian MLP Index ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-09-10T22:33
RS	Grayscale Funds Trust Grayscale Bitcoin Miners ETF	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
QQ	Tradr 2X Long Innovation 100 Monthly ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
AL	GraniteShares 2x Long MARA Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
DD	GraniteShares 2x Short MSTR Daily ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-09-10T22:33

mbol	name	etp_type	category	reasons	timestamp
FD	Direxion Daily MSFT Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-09-10T22:33
FL	GraniteShares 2x Long MSFT Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
FU	Direxion Daily MSFT Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
FX	ETF Opportunities Trust T-Rex 2X Long Microsoft Daily Target ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
OO	Themes ETF Trust Leverage Shares 2x Capped Accelerated MSTR Monthly ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
TP	GraniteShares 2x Long MSTR Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
TU	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	2025-09-10T22:33
TX	Defiance Daily Target 2x Long MSTR ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
TZ	ETF Opportunities Trust T-Rex 2X Inverse MSTR Daily Target ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-09-10T22:33
UL	ETRACS 2x Leveraged MSCI US Momentum Factor TR ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-09-10T22:33
O	Direxion Daily MU Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-09-10T22:33
LL	GraniteShares 2x Long MU Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
U	Direxion Daily MU Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
LL	GraniteShares 2x Long MRVL Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
O	MV Oil Trust Units of Beneficial Interests	Trust	commodity_physical_trust	type_trust_with_commodity	2025-09-10T22:33
RL	ETRACS Monthly Pay 1.5X Leveraged Mortgage REIT ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-09-10T22:33
V	ProShares Ultra MidCap400	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
Y	ProShares Short MidCap400	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-09-10T22:33
Z	ProShares UltraShort MidCap400	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-09-10T22:33
L	Direxion Daily Homebuilders & Supplies Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
BX	Tradr 2X Long NBIS Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
LU	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	2025-09-10T22:33
XL	Direxion Daily NFLX Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33

mbol	name	etp_type	category	reasons	timestamp
XS	Direxion Daily NFLX Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-09-10T22:33
WL	GraniteShares 2x Long NOW Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
GD	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	2025-09-10T22:33
T	North European Oil Royality Trust Common Stock	Trust	commodity_physical_trust	type_trust_with_commodity	2025-09-10T22:33
GT	Direxion Daily Gold Miners Index Bull 2XShares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
D	GraniteShares 2x Short NVDA Daily ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-09-10T22:33
OB	ProShares Trust ProShares Ultra NVDA	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
OD	Direxion Daily NVDA Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-09-10T22:33
OG	Leverage Shares 2X Long NVDA Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
OL	GraniteShares 2x Long NVDA Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
OO	Themes ETF Trust Leverage Shares 2x Capped Accelerated NVDA Monthly ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
OQ	ETF Opportunities Trust T-Rex 2X Inverse NVIDIA Daily Target ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-09-10T22:33
OS	Tradr 1.5X Short NVDA Daily ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-09-10T22:33
OU	Direxion Daily NVDA Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
OX	ETF Opportunities Trust T-Rex 2X Long NVIDIA Daily Target ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
OX	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	2025-09-10T22:33
TX	Tradr 2X Long NVTS Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
D	MicroSectors Oil & Gas Exp. & Prod. -3x Inverse Leveraged ETN	ETN	leveraged_index_inverse	etf_flag_Y, type_etn_by_name, leverage_context, inverse_context	2025-09-10T22:33
T	Texas Capital Funds Trust Texas Capital Texas Oil Index ETF	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
U	MicroSectors Oil & Gas Exp. & Prod. 3x Leveraged ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-09-10T22:33
LL	Defiance Daily Target 2x Long OKLO ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
CX	Defiance Daily Target 2X Long ORCL ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
R	Militia Long/Short Equity ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-09-10T22:33

mbol	name	etp_type	category	reasons	timestamp
NB	Bitwise Funds Trust Bitwise Bitcoin Standard Corporations ETF	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
LD	Direxion Daily PANW Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-09-10T22:33
LL	abrdn Physical Palladium Shares ETF	ETF	commodity_physical_trust	etf_flag_Y, type_etf, physical_keyword	2025-09-10T22:33
LU	Direxion Daily PANW Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
NG	Leverage Shares 2X Long PANW Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
DL	GraniteShares 2x Long PDD Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
YS	Sprott Physical Gold Trust ETV	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity, physical_keyword	2025-09-10T22:33
L	Direxion Daily Pharmaceutical & Medical Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
DO	Themes ETF Trust Leverage Shares 2x Capped Accelerated PLTR Monthly ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
A	ProShares Trust ProShares Ultra PLTR	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
D	Direxion Daily PLTR Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-09-10T22:33
G	Leverage Shares 2X Long PLTR Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
U	Direxion Daily PLTR Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
Z	Defiance Daily Target 2x Short PLTR ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-09-10T22:33
NX	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	2025-09-10T22:33
LT	abrdn Physical Platinum Shares ETF	ETF	commodity_physical_trust	etf_flag_Y, type_etf, physical_keyword	2025-09-10T22:33
LV	Sprott Physical Silver Trust ETV	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity, physical_keyword	2025-09-10T22:33
Q	ProShares Short QQQ	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-09-10T22:33
T	ProShares UltraShort Lehman 7-10 Year Treasury	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-09-10T22:33
R	GraniteShares 2x Long PLTR Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
LT	Putnam ETF Trust Putnam ESG Ultra Short ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-09-10T22:33
PG	Leverage Shares 2X Long PYPL Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
ER	Elevation Series Trust TrueShares Quarterly Bear Hedge ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-09-10T22:33

mbol	name	etp_type	category	reasons	timestamp
F	Innovator ETFs Trust Innovator Uncapped Bitcoin 20 Floor ETF - Quarterly	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
TX	Tradr 2X Long QBTS Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
MD	Direxion Daily QCOM Bear 1X ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-09-10T22:33
ML	GraniteShares 2x Long QCOM Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
MU	Direxion Daily QCOM Bull 2X ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
	ProShares UltraShort QQQ	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-09-10T22:33
O	ProShares Ultra QQQ	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
UX	Defiance 2X Daily Long Pure Quantum ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
ON	ProShares UltraShort Top QQQ	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-09-10T22:33
QD	Direxion Daily Magnificent 7 Bear 1X Shares	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-09-10T22:33
QP	Tradr 2X Long Innovation 100 Quarterly ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
QU	Direxion Daily Magnificent 7 Bull 2X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
UP	ProShares Ultra Top QQQ	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
XL	ProShares Ultra QQQ Top 30	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
BX	Tradr 2X Long QUBT Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
LL	ETRACS 2x Leveraged MSCI US Quality Factor TR ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-09-10T22:33
LU	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	2025-09-10T22:33
TL	GraniteShares 2x Long RDDT Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
K	ProShares Short Real Estate	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-09-10T22:33
XT	Direxion Shares ETF Trust Direxion Daily Crypto Industry Bear 1X Shares	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-09-10T22:33
TL	Direxion Daily Retail Bull 3X Shares ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
W	ProShares UltraShort Technology	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-09-10T22:33
TU	Tradr 2X Long RGTI Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33

symbol	name	etp_type	category	reasons	timestamp
TX	Defiance Daily Target 2X Long RGTI ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
X	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	2025-09-10T22:33
LX	Defiance Daily Target 2X Long RKLB ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
BN	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	2025-09-10T22:33
M	ProShares Ultra Technology	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
SX	Tidal Trust II Return Stacked U.S. Stocks & Gold/Bitcoin ETF	Trust	crypto_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
XG	Leverage Shares 2X Long RTX Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
NL	GraniteShares 2x Long RIVN Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
M	ProShares Short Russell2000	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-09-10T22:33
O	ProShares UltraShort Health Care	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-09-10T22:33
L	ProShares Ultra Health Care	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
A	ProShares Ultra SmallCap600	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
RK	Tradr 1X Short Innovation Daily ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-09-10T22:33
B	ProShares Short SmallCap600	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-09-10T22:33
T	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	2025-09-10T22:33
C	ProShares UltraShort Consumer Discretionary	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-09-10T22:33
OL	ETRACS 2x Leveraged US Dividend Factor TR ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-09-10T22:33
O	ProShares UltraShort Bloomberg Crude Oil	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-09-10T22:33
O	ProShares UltraShort SmallCap600	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-09-10T22:33
OW	UltraPro Short Dow30	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_ultrapro_implies_3x, inverse_keyword_under_brand, implied_multiplier_3x	2025-09-10T22:33
P	ProShares UltraShort Utilities	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-09-10T22:33
S	ProShares UltraShort S&P500;	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-09-10T22:33
F	ProShares Short Financials	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-09-10T22:33

mbol	name	etp_type	category	reasons	timestamp
TH	ProShares Short Ether ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-09-10T22:33
OL	abrdn Physical Gold Shares ETF	ETF	commodity_physical_trust	etf_flag_Y, type_etf, physical_keyword	2025-09-10T22:33
	ProShares Short S&P500;	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-09-10T22:33
NY	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	2025-09-10T22:33
PD	Direxion Daily SHOP Bear 1X ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-09-10T22:33
PU	Direxion Daily SHOP Bull 2X ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
RT	Gotham Short Strategies ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-09-10T22:33
YD	VanEck ETF Trust VanEck Short High Yield Muni ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-09-10T22:33
	ProShares UltraShort Industrials	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-09-10T22:33
U	Amplify ETF Trust Amplify Junior Silver Miners ETF	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
R	abrdn Physical Silver Shares ETF	ETF	commodity_physical_trust	etf_flag_Y, type_etf, physical_keyword	2025-09-10T22:33
	ProShares Short High Yield	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-09-10T22:33
F	ProShares UltraShort Financials	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-09-10T22:33
RE	Tuttle Capital Daily 2X Inverse Regional Banks ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-09-10T22:33
YU	ProShares Ultra Cloud Computing	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
ON	ProShares Trust ProShares Ultra Solana ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
Y	Tidal Trust II YieldMax Ultra Short Option Income Strategy ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-09-10T22:33
	iShares Silver Trust	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
YR	Sprott Silver Miners & Physical Silver ETF	ETF	commodity_physical_trust	etf_flag_Y, type_etf, physical_keyword	2025-09-10T22:33
CL	GraniteShares 2x Long SMCI Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
CX	Defiance Daily Target 2X Long SMCI ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
CZ	Defiance Daily Target 2X Short SMCI ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-09-10T22:33
OD	UltraPro Short MidCap400	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_ultrapro_implies_3x, inverse_keyword_under_brand, implied_multiplier_3x	2025-09-10T22:33
HB	ETRACS Monthly Pay 2x Leveraged Small Cap High Dividend ETN Series B	ETN	leveraged_index_long	type_etn_by_name, leverage_context	2025-09-10T22:33

mbol	name	etp_type	category	reasons	timestamp
N	ProShares UltraShort Materials	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-09-10T22:33
ST	Defiance Daily Target 2x Short MSTR ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-09-10T22:33
U	Tradr 2X Long SMR Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
UP	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	2025-09-10T22:33
OU	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	2025-09-10T22:33
FL	Tidal Trust III 2x Daily Software Platform ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
FX	Defiance Daily Target 2X Long SOFI ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
LT	2x Solana ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
UX	Defiance Daily Target 2X Long SOUN ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
XL	Direxion Daily Semiconductor Bull 3x Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
XS	Direxion Daily Semiconductor Bear 3x Shares	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-09-10T22:33
BC	Simplify US Equity PLUS Bitcoin Strategy ETF	ETF	crypto_futures	etf_flag_Y, type_etf, futures_keyword	2025-09-10T22:33
ON	Direxion Daily S&P; 500 Bear 1X Shares	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-09-10T22:33
PP	Sprott Physical Platinum and Palladium Trust	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity, physical_keyword	2025-09-10T22:33
UU	Direxion Daily S&P; 500 Bull 2X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
XL	Direxion Daily S&P; 500 Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
XS	Direxion Daily S&P; 500 Bear 3X	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-09-10T22:33
XU	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	2025-09-10T22:33
YQ	Tradr 2X Long SPY Quarterly ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
YU	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	2025-09-10T22:33
QQ	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	2025-09-10T22:33
S	ProShares UltraShort Real Estate	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-09-10T22:33
TY	ProShares UltraPro Short Russell2000	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_ultrapro_implies_3x, inverse_keyword_under_brand, implied_multiplier_3x	2025-09-10T22:33
G	ProShares UltraShort Semiconductors	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-09-10T22:33
O	ProShares Ultra S&P500;	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33

mbol	name	etp_type	category	reasons	timestamp
X	VS TR -1x Short VIX Futures ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-09-10T22:33
XY	ProShares Short VIX Short Term Futures ETF	ETF	commodity_futures	etf_flag_Y, type_etf, futures_keyword	2025-09-10T22:33
X	ProShares UltraShort Consumer Staples	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-09-10T22:33
RK	Tradr 2X Long Innovation ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
T	ProShares Short 20+ Year Treasury	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-09-10T22:33
T	ProShares UltraShort Lehman 20 Year Treasury	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-09-10T22:33
X	ProShares Short 7 10 Year Treasury	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-09-10T22:33
CL	Direxion Technology Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
CS	Direxion Technology Bear 3X Shares	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-09-10T22:33
MT	Tradr 2X Long TEM Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
F	Direxion Daily 20-Yr Treasury Bull 3x Shrs	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
V	Direxion Daily 20-Year Treasury Bear 3X	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-09-10T22:33
A	Direxion Small Cap Bull 3X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
AK	Manager Directed Portfolios Twin Oak Short Horizon Absolute Return ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-09-10T22:33
OR	Direxion Daily Transportation Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
QQ	ProShares UltraPro QQQ	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_ultrapro_implies_3x, implied_multiplier_3x	2025-09-10T22:33
DD	GraniteShares 2x Short TSLA Daily ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-09-10T22:33
G	Leverage Shares 2X Long TSLA Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
I	ProShares Trust ProShares Ultra TSLA	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
L	Direxion Daily TSLA Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
O	Themes ETF Trust Leverage Shares 2x Capped Accelerated TSLA Monthly ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
Q	Tradr 2X Short TSLA Daily ETF	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-09-10T22:33
R	GraniteShares 2x Long TSLA Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
S	Direxion Daily TSLA Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-09-10T22:33
T	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	2025-09-10T22:33

mbol	name	etp_type	category	reasons	timestamp
Z	ETF Opportunities Trust T-Rex 2X Inverse Tesla Daily Target ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-09-10T22:33
MG	Leverage Shares 2X Long TSM Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
MU	GraniteShares 2x Long TSM Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
MX	Direxion Daily TSM Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
MZ	Direxion Daily TSM Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-09-10T22:33
T	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	2025-09-10T22:33
M	ProShares UltraShort Russell2000	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-09-10T22:33
D	Direxion Daily 10-Yr Treasury Bull 3x Shrs	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
D	Direxion Daily 10-Yr Treasury Bear 3x Shrs	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-09-10T22:33
A	Direxion Small Cap Bear 3X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-09-10T22:33
OT	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	2025-09-10T22:33
R	ProShares Ultra MSCI Brazil Capped	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
RL	GraniteShares 2x Long UBER Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
T	ProShares Ultra 20+ Year Treasury	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
C	ProShares Ultra Consumer Discretionary	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
O	ProShares Ultra Bloomberg Crude Oil	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
YB	ProShares Ultra Nasdaq Cybersecurity	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
OW	ProShares UltraPro Dow30	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_ultrapro_implies_3x, implied_multiplier_3x	2025-09-10T22:33
E	ProShares Ultra Consumer Staples	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
L	ProShares Ultra Gold	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
S	ProShares Ultra High Yield ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
E	ProShares Ultra Euro	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
OD	UltraPro MidCap400	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_ultrapro_implies_3x, implied_multiplier_3x	2025-09-10T22:33

mbol	name	etp_type	category	reasons	timestamp
HG	Leverage Shares 2X Long UNH Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
RO	ProShares UltraPro S&P; 500	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_ultrapro_implies_3x, implied_multiplier_3x	2025-09-10T22:33
SX	Tradr 2X Long UPST Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
V	ProShares Ultra FTSE Europe	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
W	ProShares Ultra Utilities	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
AA	Direxion Shares ETF Trust Direxion Daily Uranium Industry Bull 2X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
E	ProShares Ultra Real Estate	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
SP	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	2025-09-10T22:33
TY	ProShares UltraPro Russell2000	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_ultrapro_implies_3x, implied_multiplier_3x	2025-09-10T22:33
D	ProShares Ultra Semiconductors	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
G	USCF Gold Strategy Plus Income Fund	ETF	commodity_futures	etf_flag_Y, type_etf, futures_keyword	2025-09-10T22:33
ML	ETRACS 2x Leveraged MSCI US Minimum Volatility Factor TR ETN	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-09-10T22:33
NG	Amplify ETF Trust Amplify Samsung U.S. Natural Gas Infrastructure ETF	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
T	ProShares Ultra 7-10 Year Treasury	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
SL	Direxion Daily Utilities Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
X	VS TR 2x Long VIX Futures ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
XY	ProShares Trust Ultra VIX Short Term Futures ETF	Trust	commodity_futures	etf_flag_Y, type_trust_with_commodity, futures_keyword	2025-09-10T22:33
M	ProShares Ultra Russell2000	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
	ProShares Ultra Industrials	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
RP	ProShares Trust ProShares Ultra XRP ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
G	ProShares Ultra Financials	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
M	ProShares Ultra Materials	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
M	ProShares Trust VIX Mid-Term Futures ETF	Trust	commodity_futures	etf_flag_Y, type_trust_with_commodity, futures_keyword	2025-09-10T22:33
Y	ProShares Trust VIX Short-Term Futures ETF	Trust	commodity_futures	etf_flag_Y, type_trust_with_commodity, futures_keyword	2025-09-10T22:33

mbol	name	etp_type	category	reasons	timestamp
YX	Tradr 2X Long VOYG Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
TL	GraniteShares 2x Long VRT Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
TL	Defiance Daily Target 2X Long VST ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
X	iPath Series B S&P; 500 VIX Short-Term Futures ETN	ETN	commodity_futures	type_etn_by_name, futures_keyword	2025-09-10T22:33
Z	iPath Series B S&P; 500 VIX Mid-Term Futures ETN	ETN	commodity_futures	type_etn_by_name, futures_keyword	2025-09-10T22:33
LD	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	2025-09-10T22:33
NT	Direxion Daily Consumer Discretionary Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
BL	Direxion Daily Dow Jones Internet Bull 3X Shares	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
BS	Direxion Daily Dow Jones Internet Bear 3X Shares	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context	2025-09-10T22:33
TX	Volatility Shares Trust 2x Wheat ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
D	Tidal Trust III VistaShares Animal Spirits Daily 2X Strategy ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
TR	Tidal Trust II YieldMax MSTR Short Option Income Strategy ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-09-10T22:33
D	Bank Of Montreal MicroSectors Energy 3X Inverse Leveraged ETNs	ETN	leveraged_index_inverse	etf_flag_Y, type_etn_by_name, leverage_context, inverse_context	2025-09-10T22:33
U	Bank Of Montreal MicroSectors Energy 3X Leveraged ETNs	ETN	leveraged_index_long	etf_flag_Y, type_etn_by_name, leverage_context	2025-09-10T22:33
ET	Listed Funds Trust Teucrium 2x Daily Wheat ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
S	SPDR Series Trust SPDR S&P; Oil & Gas Equipment & Services ETF	Trust	commodity_physical_trust	etf_flag_Y, type_trust_with_commodity	2025-09-10T22:33
MX	Direxion Daily XOM Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
MZ	Direxion Daily XOM Bear 1X Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-09-10T22:33
P	ProShares Ultra FTSE China 50	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
PT	Volatility Shares Trust XRP 2X ETF	ETF	leveraged_index_long	etf_flag_Y, type_etf, leverage_context	2025-09-10T22:33
CH	Direxion Shares ETF Trust Direxion Daily MSCI Emerging Markets ex China Bull 2X Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
RP	Listed Funds Trust Teucrium 2x Long Daily XRP ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
ZG	Leverage Shares 2X Long XYZ Daily ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
NG	Direxion Daily FTSE China Bear 3x Shares	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, leverage_context, inverse_context, single_stock_detected	2025-09-10T22:33
T	Tidal Trust II YieldMax Bitcoin Option Income Strategy ETF	Trust	crypto_futures	etf_flag_Y, type_trust_with_commodity, futures_keyword	2025-09-10T22:33

mbol	name	etp_type	category	reasons	timestamp
TC	Roundhill ETF Trust Roundhill Bitcoin Covered Call Strategy ETF	Trust	crypto_futures	etf_flag_Y, type_trust_with_commodity, futures_keyword	2025-09-10T22:33
L	ProShares Ultra Yen	ETF	leveraged_index_long	etf_flag_Y, type_etf, brand_proshares_ultra_implies_2x, implied_multiplier_2x	2025-09-10T22:33
S	ProShares UltraShort Yen New	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-09-10T22:33
H	Roundhill ETF Trust Roundhill Ether Covered Call Strategy ETF	Trust	crypto_futures	etf_flag_Y, type_trust_with_commodity, futures_keyword	2025-09-10T22:33
LD	Simplify Exchange Traded Funds Simplify Gold Strategy PLUS Income ETF	ETF	commodity_futures	etf_flag_Y, type_etf, futures_keyword	2025-09-10T22:33
N	Direxion Daily FTSE China Bull 3x Shares	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33
QQ	YieldMax Short N100 Option Income Strategy ETF	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, inverse_context	2025-09-10T22:33
	ProShares Short FTSE China 50	ETF	leveraged_single_stock_inverse	etf_flag_Y, type_etf, inverse_context, single_stock_detected	2025-09-10T22:33
	ProShares UltraShort Silver	ETF	leveraged_index_inverse	etf_flag_Y, type_etf, brand_proshares_ultrashort_implies_minus2x, implied_multiplier_2x	2025-09-10T22:33
N	Defiance Daily Target 2x Long PM ETF	ETF	leveraged_single_stock_long	etf_flag_Y, type_etf, leverage_context, single_stock_detected	2025-09-10T22:33

Source Code (Full Listing)

Note: lines are wrapped for readability.

src/constants.py

```python
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\.5|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"(?:\bultrapro\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})\)\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

```python
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")
```

```python
        # 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")
```

```python
        # 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

```python
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,
```

```python
    outdir: str = "outputs"
) -> List[Dict[str, str]]:
    """Download nasdaqtraded.txt, save a raw snapshot for today, and return parsed rows."""
    r = requests.get(url, timeout=timeout)
    r.raise_for_status()

    # --- Save raw file snapshot for auditing ---
    today_dir = datetime.date.today().isoformat()
    raw_dir = os.path.join(outdir or "outputs", today_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 pipe-delimited content ---
    content = r.text.splitlines()

    # The first line is headers separated by '|'
    # The last line is usually "File Creation Time: ..."
    header = content[0].split('|')
    if header[0].strip() not in ("Nasdaq Traded", "Nasdaq Traded\xef\xbb\xbf"):
        # try to find header if there's a BOM or comment lines
        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

```python
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, f"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],
):
    # Use a single, consistent page size across all pages
    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=7.4, leading=8.5, wordWrap="CJK"))
    styles.add(ParagraphStyle(name="Small", fontSize=9, leading=11))
    styles.add(ParagraphStyle(name="Wrap", fontSize=8, leading=9.5, wordWrap="CJK"))
    styles.add(ParagraphStyle(name="WrapMono", fontName=MONO, fontSize=7.4, leading=8.5, 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", styles["Italic"]))
    story.append(Spacer(1, 10))

    # Summary
```

```python
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=[4.2*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
story.append(_section_title("Detected Symbols (Full List)"))

# Header now includes a serial number column
header = ["#", "symbol", "name", "etp_type", "category", "reasons", "timestamp"]
table_data = [header]

# Wrap EVERY column to prevent overflow/overlap
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])

# Column widths tuned for landscape Letter; ensure all fit comfortably
col_widths = [
    0.4*inch,   # #
    0.8*inch,   # symbol
    3.2*inch,   # name
    0.9*inch,   # etp_type
    1.5*inch,   # category
    3.9*inch,   # reasons
```

```
        1.6*inch,    # timestamp
    ]

    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), 8),
        ("VALIGN", (0,0), (-1,-1), "TOP"),
        ("LEFTPADDING", (0,0), (-1,-1), 4),
        ("RIGHTPADDING", (0,0), (-1,-1), 4),
        ("TOPPADDING", (0,0), (-1,-1), 2),
        ("BOTTOMPADDING", (0,0), (-1,-1), 2),
    ]))
    story.append(lt)

    # New page for code listing, same fixed page size
    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 in code
    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):
    # Fetch data with outdir (saves raw file snapshot under outputs/YYYY-MM-DD/)
    rows = fetch_nasdaq_traded(source_url, outdir=outdir)

    ts = chicago_timestamp()

    # 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 dated folder
    date_dir = ts[:10]  # YYYY-MM-DD
    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))
        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),
        }
        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
    }, indent=2))


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

.github/workflows/daily.yml

```yaml
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
```