HV ETF Cutline Report: As of 12/16/2022

Ticker	ETF Name	Orientation	%M/A		4 wk	8 wk	12 wk	YTD N	/I-Index	DD%
TUR	iShares Turkey Investment Index	Emerging Markets Equi	48.56%	+88	15.99%	28.79%	50.28%	88.54	46	-25.66%
AGQ	ProShares Ultra Silver	Leveraged Commoditie	13.41%	+87	21.78%	43.18%	47.46%	-13.24	25	-56.76%
SLV	iShares Silver Trust	Precious Metals	9.91%	+86	11.01%	20.33%	23.10%	-0.65	13	-20.85%
FBT	1st Trust Biotechnolgy Index	Health & Biotech Equiti	9.86%	+85	2.63%	13.82%	19.03%	-3.68	8	-15.60%
ITB	iShares DJ US Home Construction	Building and Constructi	7.75%	+84	5.85%	18.39%	16.48%	-25.31	4	-25.42%
BBH	VanEck Vectors Biotech	Health & Biotech	7.29%	+83	-0.92%	12.02%	18.38%	-13.29	4	-25.63%
IBB	Nasdaq Biotechnology	Health & Biotech Equiti	7.16%	+82	-0.55%	10.01%	15.33%	-12.86	3	-60.98%
ITA	iShares DJ US Aerospace&Defense	Industrials Equities	6.29%	+81	0.14%	7.88%	16.34%	7.01	8	-54.14%
FEZ	SPDR Euro Stoxx 50	Europe Stock	6.18%	+80	-0.41%	16.85%	24.31%	-16.93	6	-21.46%
PSQ	ProShares Short QQQ	Inverse Equities	6.01%	+79	3.83%	-0.28%	-0.76%	32.59	9	-74.18%
PPLT	ETFS Physical Platinum Shares	Precious Metals	5.88%	+78	1.30%	6.47%	15.84%	2.48	7	-22.86%
XLE	Energy Select Sector *	Energy Equities	4.66%	+77	-7.93%	-2.96%	19.69%	52.00	15	-10.33%
XLI	Industrial Select Sector *	Industrial Equities	4.41%	+76	-1.35%	10.61%	15.75%	-7.29	4	-8.42%
DXJ	Wisdom Tree Japan Hedged Equity	Japan Stock	4.26%	+75	-0.06%	5.76%	6.38%	7.69	5	-3.01%
EWQ	iShares France Index	Europe Stock	4.19%	+74	-0.09%	13.88%	21.56%	-15.59	5	-18.86%
EWI	iShares Italy Index	Europe Stock	4.17%	+73	-2.46%	15.60%	21.40%	-18.90	4	-22.80%
IYE	Dow Jones US Energy	Specialty-Natural Res.	3.70%	+72	-8.94%	-3.74%	14.95%	48.94	13	-11.23%
XLV	Health Care Select SPDR *	Health & Biotech Equiti	3.55%	+71	0.71%	7.10%	10.43%	-3.80	4	-5.11%
EWN	iShares Netherlands Index	Europe Stock	3.54%	+70	-0.37%	17.29%	21.91%	-24.89	3	-29.86%
EZU	European Monetary Union Index	Europe Stock	3.53%	+69	-0.58%	14.99%	21.23%	-19.85	4	-23.77%
PJP	Dynamic Pharmaceuticals	Health & Biotech Equiti	3.23%	+68	0.03%	5.97%	10.62%	-3.46	3	-6.25%
VDE	Vanguard Energy VIPERS	Energy Equities	3.06%	+67	-9.33%	-4.44%	15.94%	49.84	13	-11.82%
IYH	Dow Jones US Healthcare	Specialty-Health	2.97%	+66	0.68%	7.17%	9.82%	-6.15	3	-6.62%
VIS	Vanguard Industrials	industrials Equities	2.93%	+65	-2.45%	8.69%	12.86%	-10.27	2	-12.24%
THD	iShares Thailand Capped Invest Mrkt Idx	Emerging Markets Equi	2.87%	+64	2.72%	10.73%	8.62%	-4.32	4	-28.39%
KIE	SPDR S&P Insurance	Specialty-Financial	2.79%	+63	-1.94%	4.47%	11.38%	0.12	4	-56.92%
IXJ	S&P Global Healthcare	Health & Biotech Equiti	2.63%	+62	0.93%	8.14%	11.38%	-6.32	4	-31.23%
DBJP	Deutsche X-Trackers MSCI Japan Hedge	Japan Equities	2.56%	+61	-1.66%	3.37%	5.71%	-0.44	2	-4.13%
FXN	1st Trust Energy AlphaDEX	Energy Equities	2.45%	+60	-8.37%	-3.91%	13.40%	44.13	11	-11.44%
FXE	CurrencyShares Euro Currency Trust	Currency	2.38%	+59	2.55%	7.42%	9.22%	-7.59	3	-18.88%
SH	Short S&P 500 ProShares ETF	Inverse Equities	2.36%	+58	3.16%	-2.62%	-4.65%	17.55	3	-61.56%
XHB	SPDR Series Trust SPDR Home Builders	Building & Construction	2.34%	+57	1.07%	11.88%	11.27%	-28.19	-1	-28.60%
EWG	iShares Germany Index	Europe Stock	2.34%	+56	-1.32%	16.09%	22.63%	-24.95	3	-32.57%
VHT	Vanguard Health Care	Health & Biotech Equiti	2.31%	+55	0.32%	6.39%	8.78%	-7.43	2	-7.81%
IEV	S&P Europe 350 Index	Europe Stock	2.10%	+54	0.62%	13.90%	18.82%	-16.99	4	-19.03%
RWM	ProShares Short Russell2000	Inverse Equities	1.99%	+53	5.07%	-1.59%	-5.73%	18.26	4	-60.89%
IYK	Dow Jones US Cons. Goods	Consumer Staples Equi	1.95%	+52	0.67%	8.26%	6.86%	1.05	4	-5.22%
EWP	iShares Spain Index	Europe Stock	1.82%	+51	1.45%	13.80%	15.40%	-9.59	5	-34.46%
RHS	Guggenheim S&P 500 = Wt. Consum Sta	Consumer Staples	1.81%	+50	0.37%	7.75%	7.40%	0.97	4	-5.14%
TBF	ProShares Short 20+Year Treasury	Inverse Bonds	1.79%	+49	-7.33%	-13.80%	-2.36%	32.08	2	-14.39%
VGK	Vanguard European	Europe Equities	1.68%	+48	0.74%	14.63%	19.42%	-18.61	4	-21.33%

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DIA	SPDR Dow Jones Industrial Average	Large Cap Value	1.62%	+47	-2.49%	5.82%	11.19%	-9.45	1	-10.57%
EWK	iShares Belgium Index	Europe Stock	1.57%	+46	2.99%	16.19%	19.27%	-17.70	5	-24.26%
XLP	Consumer Staples Select *	Consumer Staples	1.57%	+45	0.24%	8.63%	7.90%	-2.92	3	-7.09%
EWH	iShares Hong Kong Index	China Equities	1.54%	+44	7.56%	18.39%	8.34%	-9.79	6	-25.55%
FXH	1st Trust Health Care AlphaDEX	Health & Biotech Equiti	1.48%	+43	1.75%	9.02%	10.01%	-13.18	2	-15.85%
VYM	Vanguard High Div. Yield Index	Large Cap Value	1.47%	+42	-2.17%	6.51%	10.46%	-3.67	3	-6.10%
EWW	iShares Mexico Index	Latin America Stock	1.36%	+41	-6.92%	4.70%	10.55%	-1.86	2	-13.81%
HEWG	iShares Currency Hedged MSCI Germany	Europe Equities	1.36%	+40	-3.52%	9.20%	13.54%	-17.22	1	-20.14%
HEDJ	WisdomTree Europe Hedged Equity	Europe Equities	1.35%	+39	-2.07%	6.83%	11.15%	-11.95	1	-14.13%
DBEU	Deutsche X-Trackers MSCI Europe Hedg	Europe Equities	1.32%	+38	-1.88%	6.48%	9.31%	-8.30	1	-9.79%
EFG	iShares MSCI EAFE Growth Index	Foreign Large Cap Equ	1.14%	+37	0.38%	13.34%	15.81%	-23.29	2	-25.75%
VIG	Vanguard Div. Appreciation	Large Cap Value Equiti	1.12%	+36	-1.21%	7.43%	9.35%	-11.47	1	-11.71%
EFA	MSCI EAFE iShares Index Fd	Foreign Large Cap Equ	1.10%	+35	0.41%	12.81%	15.26%	-16.85	3	-20.35%
TBT	ProShares UltraShort Lehman 20 Yr Trea	Leveraged Bonds	1.07%	+34	-14.59%	-26.27%	-6.19%	67.02	5	-33.87%
VTV	Vanguard Value	Large Cap Value	1.02%	+33	-1.91%	6.36%	10.19%	-5.06	2	-7.39%
IYJ	Dow Jones US Industrial	Industrial Equities	0.95%	+32	-2.22%	8.07%	11.65%	-14.96	1	-50.32%
PKW	PowerShares Buyback Achievers	All Cap Equities	0.93%	+31	-3.67%	5.33%	11.72%	-12.49	0	-13.92%
HDGE	Ranger Equity Bear	Inverse Equities	0.93%	+30	1.74%	-3.25%	-6.35%	15.94	2	-74.54%
FXG	1st Trust Consumer Staples	Consumer Staples Equi	0.90%	+29	-0.61%	6.20%	8.49%	2.60	4	-6.48%
NOBL	ProShares S&P 500 Dividend Aristocrats	Large Cap Value Equiti	0.86%	+28	-2.19%	7.82%	9.50%	-7.99	2	-8.47%
FXB	CurrencyShares British Pound	Currency	0.86%	+27	2.42%	7.48%	11.92%	-10.12	3	-19.61%
IEFA	iShares Core MSCI EAFE	Foreign Large Cap Equ	0.74%	+26	0.36%	12.74%	14.78%	-17.71	3	-21.46%
EFV	MSCI EAFE iShares Value Index	Foreign Large Cap Equ	0.69%	+25	0.11%	11.57%	13.99%	-10.60	4	-24.37%
VDC	Vanguard Consumer Staples	Consumer Staples Equi	0.66%	+24	-1.01%	7.42%	6.59%	-4.32	2	-8.19%
XBI	SPDR Series Trust SPDR S&P Biotech	Health & Biotech Equiti	0.48%	+23	-0.06%	2.69%	5.62%	-27.69	-5	-53.47%
IXC	S&P Global Energy	Energy Equities	0.47%	+22	-9.16%	-4.11%	13.78%	35.62	9	-12.42%
IEO	iShares DJ Oil & Gas Expl.&Prod.	Energy Equities	0.45%	+21	-11.63%	-8.45%	11.36%	47.45	10	-14.76%
PZA	Pshares Insured National Munis	National Munis	0.42%	+20	2.62%	6.25%	4.73%	-13.43	0	-14.72%
PXF	PowerShares FTSE RAFI Developed Mar	Foreign Large Cap Equ	0.40%	+19	0.29%	11.79%	14.63%	-13.17	3	-18.34%
SCHD	Schwab US Dividend Equity	All Cap Equities	0.40%	+18	-2.74%	6.75%	9.93%	-7.42	2	-8.68%
IAU	iShares Gold Trust	Precious Metals	0.36%	+17	2.44%	8.18%	9.04%	-2.33	4	-13.75%
SPLV	PowerShares S&P 500 Low Volat.	Large Cap Blend	0.34%	+16	0.76%	8.14%	4.86%	-7.31	2	-8.37%
GLD	SPDR Gold Shares	Precious Metals	0.33%	+15	2.46%	8.20%	9.01%	-2.44	4	-13.98%
SDY	SPDR Dividend ETF	Large Value	0.31%	+14	-3.29%	6.45%	7.55%	-3.79	2	-6.14%
DHS	Wisdom Tree High-Yield Equity	Large Cap Value	0.31%	+13	-2.26%	5.22%	8.57%	3.33	4	-6.47%
MUB	iShares S&P National Muni Bond	National Munis	0.29%	+12	1.33%	4.05%	2.81%	-8.62	0	-9.90%
PIN	PowerShares India Portfolio	Emerging Markets Equi	0.27%	+11	-0.85%	1.45%	2.68%	-8.26	-1	-53.51%
FXU	1st Trust Utilities AlphaDEX	Utilities Equities	0.26%	+10	1.03%	9.22%	0.85%	2.20	3	-7.45%
РНВ	PowerShares High Yield Corp Bond	High Yield Bonds	0.24%	+9	1.34%	4.45%	4.89%	-10.50	0	-11.64%
FV	First Trust VL Dividend	Large Cap Value Equiti	0.22%	+8	-5.02%	0.61%	12.69%	-6.79	0	-11.04%
EWS	iShares Singapore Index	Pacific Asia/excl. Japan	0.22%	+7	-2.46%	12.92%	6.89%	-12.95	1	-33.95%
XLB	Materials Select Sector *	Materials	0.14%	+6	-1.14%	9.35%	15.56%	-12.72	3	-12.72%
VEA	Vanguard FTSE Developed Markets	Foreign Large Cap	0.13%	+5	0.21%	12.10%	14.16%	-17.27	2	-20.94%
FTSM	First Trust Enhanced Short Maturity	Total Bond Market	0.11%	+4	0.12%	0.17%	0.12%	-0.48	0	-1.18%

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EWU	iShares United Kingdom Index	Europe Stock	0.06%	+3	0.46%	11.84%	15.85%	-8.24	5	-19.72%
IVOV	Vanguard S&P Mid-Cap 400 Value	Mid Cap Value Equities	0.02%	+2	-3.36%	5.55%	8.68%	-8.15	1	-11.44%
PCY	PowerShares Emerging Markets Sovereig	Emerging Markets Bon	0.01%	+1	4.36%	15.14%	8.13%	-27.29	0	-38.09%
RSX	Market Vectors Russia	Emerging Markets Equi	0.00%	-1	0.00%	0.00%	0.00%	-78.81	-20	-83.05%
EWJ	iShares Japan Index	Japan Stock	-0.13%	-2	0.57%	10.67%	9.01%	-18.53	0	-26.40%
VWOB	Vanguard Emerging Markets Gov Bonds	Emerging Markets Bon	-0.15%	-3	3.37%	10.16%	5.24%	-19.84	0	-25.24%
INDA	iShares MSCI India	Emerging Markets Equi	-0.16%	-4	-1.70%	1.13%	1.49%	-7.94	-2	-16.90%
VPL	Vanguard Pacific ETF	Asia Pacific Equities	-0.17%	-5	1.13%	11.82%	10.34%	-16.32	2	-23.79%
DGRO	iShares Core Dividend Growth	Large Cap Value Equiti	-0.17%	-6	-2.46%	6.28%	7.31%	-10.72	0	-11.49%
GUNR	FlexShares Global Upstream Natural Res	Commodity Producers	-0.26%	-7	-2.27%	4.23%	14.30%	7.90	6	-12.92%
FLOT	iShares Floating Rate Bond	Corporate Bonds	-0.27%	-8	-0.30%	-0.34%	-0.61%	-1.16	-1	-1.86%
XMLV	PowerShares S&P MidCap Low Volatility	Mid Cap Blend Equities	-0.27%	-9	-2.56%	6.35%	6.78%	-9.43	0	-9.55%
IVE	S&P 500/BARRA Value	Large Value	-0.29%	-10	-2.51%	5.69%	8.22%	-8.06	1	-9.47%
VCSH	Vanguard Short-Term Corporate Bond	Corporate Bonds	-0.31%	-11	1.05%	2.85%	1.49%	-6.72	0	-8.95%
IGE	iShares North American Natural Resource	Commodity Producers	-0.34%	-12	-7.56%	-2.04%	14.09%	25.00	7	-13.38%
MTUM	iShares Edge MSCI USA Momentum Fact	All Cap Equities	-0.35%	-13	-3.46%	1.95%	7.21%	-20.65	-4	-25.53%
BKLN	PowerShares Exchange-Traded Fund Tru	High Yield Bonds	-0.39%	-14	-0.10%	1.31%	2.45%	-5.48	0	-10.80%
FLTB	Fidelity Limited Term Bond	Corporate Bonds	-0.41%	-15	1.09%	2.39%	1.17%	-6.62	0	-8.55%
USMV	iShares Edge MSCI Min Vol USA	All Cap Equities	-0.42%	-16	-1.22%	5.90%	5.52%	-10.96	0	-11.12%
UUP	PowerShares DB US Dollar Bullish	Currency	-0.44%	-17	-1.74%	-5.98%	-6.63%	10.46	-1	-7.69%
SIL	Global X Silver Miners	Commodity Producers	-0.46%	-18	2.70%	12.89%	26.51%	-23.36	5	-47.55%
VCIT	Vanguard Intermediate-Term Corporate B	Corporate Bonds	-0.49%	-19	2.59%	7.40%	3.56%	-14.29	0	-18.18%
BSV	Vanguard Short Term Bond	Total Bond Market	-0.51%	-20	1.05%	2.07%	1.19%	-6.14	0	-8.92%
FDL	1st Trust Morningstar Div. Lead's	Large Cap Value	-0.56%	-21	-2.79%	4.65%	9.56%	1.86	3	-7.55%
SCHV	Schwab U.S. Large-Cap Value	Large Cap Value Equiti	-0.59%	-22	-2.79%	5.82%	8.69%	-10.63	0	-11.79%
VCLT	Vanguard Long-Term Corporate Bond	Corporate Bonds	-0.60%	-23	5.72%	15.59%	5.68%	-24.06	1	-28.85%
VGSH	Vanguard Short-Term Government	Government Bonds	-0.61%	-24	0.73%	0.92%	0.59%	-4.44	-1	-6.75%
HDV	iShares Core High Dividend	Large Cap Value Equiti	-0.66%	-25	-3.30%	4.33%	7.63%	1.41	3	-6.83%
VEU	Vanguard FTSE All-Word ex-US	Global Equities	-0.69%	-26	0.54%	10.91%	11.77%	-17.56	1	-22.61%
EWM	iShares Malaysia Index	Emerging Markets Equi	-0.72%	-27	3.74%	7.88%	8.14%	-10.27	2	-38.42%
LQD	iShares iBoxx \$ Liquid Invest. Gr.	Corporate Bonds	-0.73%	-28	3.07%	9.63%	4.05%	-17.70	0	-21.62%
FXD	First Trust Cons. Discret. AlphaDEX	Consumer Discretionar	-0.77%	-29	-2.51%	7.19%	10.03%	-21.66	-2	-25.88%
EWD	iShares Sweden Index	Europe Stock	-0.79%	-30	-0.31%	14.90%		-29.76	1	-34.12%
XLF	Financial Select Sector *	Financial Equities	-0.86%	-31	-4.72%	4.69%	8.53%	-13.70	-1	-18.64%
EMB	iShares Emerging Markets Bond	Emerging Market Bond	-0.89%	-32	2.73%	10.17%	4.82%	-21.26	-1	-27.21%
VAW	Vanguard Materials VIPERS	Materials	-0.89%	-33	-1.97%	7.70%		-12.95	2	-14.09%
BIV	Vanguard Intermed. Term Bond	Intermediate-Term Bon	-0.90%	-34	2.45%	5.91%	2.61%	-13.02	-1	-19.24%
IHF	iShares DJ US Healthcare Provid's	Health & Biotech Equiti	-0.90%	-35	-0.40%	1.83%	2.73%	-8.09	-1	-9.82%
HYS	PIMCO 0-5 Year High Yield Corp Bond	High Yield Bonds	-0.90%	-36	0.31%	1.96%	2.53%	-8.90	-1	-11.42%
GVI	iShares Lehman Interm. Govt/Credit	Total Bond Market	-0.92%	-37	1.32%	3.08%	1.41%	-8.84	-1	-12.38%
SCHF	Schwab International Equity	Foreign Large Cap Equ	-0.92%	-38	-1.56%	10.30%		-17.37	1	-21.35%
SCHO	Schwab International Equity Schwab Short-Term U.S. Treasury	Government Bonds	-0.93%	-30	0.46%	0.69%	0.31%	-4.82	-1	-21.35%
SHY	iShares Lehman 1-3 Year Treasury	Government Bonds	-0.94%	-39 -40	0.40%	0.61%	0.26%	-4.80	-1 -1	-6.19%

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HYG	iShares Lehman Hi-Yield Corp.	High Yield Bond	-1.88%	-85	0.50%	2.91%	3.42%	-14.26	-2	-16.15%
ACWV	iShares Edge MSCI Min Vol Global	Global Equities	-1.89%	-86	-1.28%	5.42%	4.36%	-12.55	-1	-12.55%
IYF	Dow Jones US Financial Sector	Specialty-Financial	-1.89%	-87	-5.46%	3.56%	6.34%	-14.73	-3	-48.46%
IHI	iShares DJ US Medical Devices	Health & Biotech Equiti	-1.90%	-88	0.76%	7.66%	7.55%	-21.49	-1	-86.08%
IYM	Dow Jones US Basic Mat's	Materials	-1.90%	-89	-1.71%	7.32%	14.97%	-10.44	3	-18.47%
BWX	SPDR Lehman Intl Treasury Bond	World Gov Bond	-1.93%	-90	2.13%	9.43%	6.68%	-20.37	-1	-28.43%
EWL	iShares Switzerland Index	Europe Stock	-1.94%	-91	-0.71%	9.48%	10.99%	-20.73	0	-21.16%
VPU	Vanguard Utilities VIPERS	Utilities Equities	-1.96%	-92	1.20%	10.19%	-2.95%	-2.71	1	-10.18%
FXO	1st Trust Financials AlphaDEX	Financial Equities	-2.00%	-93	-4.35%	5.03%	7.25%	-12.08	-1	-16.29%
PEY	PowerShares Hi Yields Div. Achiev's	Mid-Cap Value	-2.04%	-94	-2.80%	4.28%	5.03%	-2.85	1	-8.99%
INDY	iShares S&P India Nifty 50 Index Fund	Emerging Markets Equi	-2.05%	-95	-4.59%	-1.18%	0.14%	-9.41	-4	-20.16%
MCHI	iShares MSCI China	China Equities	-2.12%	-96	7.44%	18.65%	8.63%	-24.58	3	-51.29%
JNK	Barclays Cap. High Yield Bond	High Yield Bond	-2.13%	-97	0.89%	3.45%	3.40%	-15.42	-2	-71.73%
IJK	S&P MidCap 400/BARRA Growth	Mid-Cap Growth	-2.13%	-98	-4.07%	3.73%	7.27%	-20.07	-3	-73.48%
EWA	iShares Australia Index	Asia Pacific Equities	-2.27%	-99	-2.42%	8.87%	11.33%	-10.55	2	-18.88%
SPHD	PowerShares S&P 500 HiDivLowVol	Large Cap Value	-2.28%	-100	-1.47%	7.11%	6.95%	-3.53	2	-11.29%
XPH	SPDR Pharmaceuticals	Health & Biotech Equiti	-2.44%	-101	-1.69%	1.10%	3.82%	-10.44	-2	-26.21%
IWP	Russell MidCap Growth	Mid-Cap Growth	-2.46%	-102	-2.52%	4.57%	6.40%	-26.85	-5	-31.64%
VFH	Vanguard Financials	Financials Equities	-2.59%	-103	-5.92%	2.89%	5.61%	-16.04	-3	-20.31%
TLH	iShares Lehman 10-20 Yr Treasury	Government Bonds	-2.65%	-104	5.71%	12.09%	2.61%	-23.02	-1	-33.71%
AAXJ	iShares MSCI All Country Asia ex Japan	Asia Pacific	-2.68%	-105	1.87%	12.55%	6.99%	-21.48	0	-36.38%
VT	Vanguard Total World Stock Index	Global Equities	-2.68%	-106	-1.55%	5.91%	7.39%	-19.20	-2	-20.53%
DOG	ProShares Short Dow 30	Bear Market	-2.68%	-107	2.69%	-5.53%	-10.27%	6.19	-2	-62.40%
VSS	Vanguard FTSE All-Wld ex-US SmCP ldx	Foreign Small & Mid Ca	-2.72%	-108	0.15%	10.00%	9.50%	-22.30	-1	-26.71%
VO	Vanguard Mid-Cap	Mid-Cap Blend	-2.74%	-109	-2.29%	5.91%	6.67%	-19.49	-2	-21.47%
FPE	First Trust Preferred Securities and Incom	Preferred Stock	-2.80%	-110	0.77%	4.91%	0.12%	-15.90	-3	-17.64%
PGF	PowerShares Fin. Preferred Portf.	Specialty-Financial	-2.83%	-111	-0.20%	5.89%	0.94%	-19.82	-3	-22.73%
IDV	iShares International Select Dividend	Foreign Large Cap Equ	-2.89%	-112	2.07%	14.22%	11.59%	-14.46	3	-25.67%
PDP	PowerShares DWA Momentum Portfolio	All Cap Equities	-2.90%	-113	-4.77%	1.56%	5.88%	-24.12	-5	-28.95%
EPHE	iShares MSCI Philippines	Emerging Markets Equi	-2.95%	-114	1.22%	10.24%	8.07%	-18.71	0	-36.32%
JXI	iShares S&P Global Utilities	Utilities Equities	-2.95%	-115	0.02%	10.75%	-0.13%	-8.11	1	-11.91%
IWR	Russell MidCap Index Fs	Mid-Cap Blend	-2.98%	-116	-2.99%	5.00%	6.02%	-18.74	-3	-69.90%
SCHM	Schwab U.S. Mid Cap	Mid Cap Blend Equities	-2.99%	-117	-3.17%	4.60%	6.61%	-18.36	-3	-21.26%
DES	Wisdom Tree SmallCap Div.	Small Cap Value	-3.03%	-118	-5.04%	3.08%	6.51%	-13.39	-2	-66.69%
VB	Vanguard SmallCap	Small Cap Blend	-3.04%	-119	-3.48%	3.50%	6.40%	-18.43	-3	-22.98%
QUAL	iShares Edge MSCI USA Quality Factor	All Cap Equities	-3.07%	-120	-2.41%	5.36%	6.79%	-21.29	-3	-21.69%
PEZ	PowerShares Consumer Cyclicals	All Cap Equities	-3.13%	-121	-3.01%	3.31%	6.41%	-29.68	-6	-37.19%
EFZ	ProSharesShort MSCI EAFE	Inverse Equities	-3.16%	-122	-0.64%	-11.70%	-13.82%	13.33	-3	-43.54%
VTIP	Vanguard Short-Term Inflation-Protected	Inflation-Protected Bon	-3.23%	-123	0.82%	0.36%	-1.38%	-6.89	-2	-9.36%
ACWI	iShares MSCI ACWI	Global Equities	-3.24%	-124	-2.32%	5.06%	6.40%	-19.72	-3	-20.81%
IWS	Russell MidCap Value	Mid-Cap Value	-3.26%	-125	-3.26%	5.21%	5.87%	-14.33	-2	-15.17%
IYG	Dow Jones US Financial Serv's	Specialty-Financial	-3.26%	-126	-6.04%	3.65%	5.78%	-19.77	-4	-23.90%
GSLC	Goldman Sachs ActiveBeta U.S. Large C	Large Cap Blend Equiti	-3.26%	-127	-2.78%	3.26%	4.75%	-19.37	-4	-19.78%
SMH	VanEch Vectors Semiconductor	Technology Equities	-3.27%	-128	-2.71%	14 61%	11.03%	-30.83	-2	-32.53%

Ticker	ETF Name	Orientation	%M/A		4 wk	8 wk	12 wk	YTD N	I-Index	DD%
IJS	S&P SmallCap 600/BARRA Value	Small Value	-3.28%	-129	-5.50%	2.60%	7.36%	-13.07	-2	-47.57%
IYT	Dow Jones Transportation	Transportation Equities	-3.34%	-130	-2.81%	7.64%	8.52%	-20.78	-2	-21.76%
VWO	Vanguard Emerging Markets	Emerging Markets Equi	-3.57%	-131	1.39%	7.51%	5.30%	-20.12	-1	-30.06%
CWB	SPDR Barclays Convertible Securities	Convertible Bonds	-3.58%	-132	-1.05%	1.90%	2.35%	-21.30	-5	-29.19%
VLUE	iShares Edge MSCI USA Value Factor	Large Cap Value Equiti	-3.61%	-133	-4.06%	3.85%	7.66%	-16.41	-2	-20.37%
VOO	Vanguard S&P 500	Large Cap Blend Equiti	-3.68%	-134	-2.78%	2.90%	4.19%	-18.95	-4	-19.44%
IJR	S&P Sm.Cap 600	Small Blend	-3.74%	-135	-5.49%	2.27%	6.17%	-17.62	-4	-21.60%
SCHA	Schwab U.S. Small-Cap	Small Cap Blend Equiti	-3.82%	-136	-4.28%	2.38%	5.85%	-60.45	-14	-63.23%
TLT	iShares 20+ Treas. Bd	Government Bonds	-3.85%	-137	7.50%	14.96%	1.33%	-27.72	-1	-37.57%
VTI	Total Stock Market VIPERs	All Cap Equities	-3.88%	-138	-2.89%	2.77%	4.58%	-20.19	-4	-20.69%
IWO	Russell 2000 Growth	Small Growth	-3.88%	-139	-4.45%	0.69%	4.54%	-26.57	-6	-36.08%
VV	Vanguard LargeCap	Large Cap Blend	-4.00%	-140	-2.83%	2.70%	4.35%	-20.58	-4	-20.84%
SPY	SPDR S&P 500	Large Cap Blend	-4.06%	-141	-3.22%	2.40%	4.16%	-19.30	-4	-19.77%
ECH	iShares Chile Index	Latin America	-4.06%	-142	0.99%	4.48%	3.55%	10.00	5	-54.78%
RING	iShares MCSI Global Gold Miners Fund	Commodity Producers	-4.06%	-143	5.19%	16.80%	25.36%	-18.80	7	-40.65%
IVV	S&P 500	Large Blend	-4.09%	-144	-3.23%	2.43%	3.64%	-19.30	-4	-19.78%
IJT	S&P SmallCap 600/BARRA Growth	Small Growth	-4.14%	-145	-5.28%	1.84%	5.19%	-22.31	-5	-48.42%
SCHC	Schwab International SmallCap Equ.	Foreign Small/Mid Blen	-4.16%	-146	-1.77%	9.11%	9.99%	-23.89	-2	-29.33%
DFE	Wisdom Tree Europe SmCap Div.	Europe Stock	-4.22%	-147	0.35%	14.14%	15.73%	-27.43	1	-31.65%
VOT	Vanguard Mid-Cap Growth	Mid-Cap Growth	-4.23%	-148	-2.42%	4.87%	5.38%	-28.67	-5	-31.66%
EDV	Vanguard Extended Duration Treasury	Government Bonds	-4.23%	-149	11.51%	22.90%	1.92%	-34.03	1	-48.22%
RPG	Guggenheim S&P 500 Pure Growth	Large Growth	-4.24%	-150	-4.29%	4.21%	4.66%	-27.46	-6	-30.79%
SCHB	Schwab U.S. Broad Market	All Cap Equities	-4.30%	-151	-3.33%	2.35%	4.22%	-60.24	-14	-60.49%
IWV	Russell 3000 Index	All Cap Equities	-4.32%	-152	-3.38%	2.26%	3.62%	-20.29	-4	-20.75%
IWB	Russell 1000 Index	Large Blend	-4.33%	-153	-3.23%	2.31%	3.57%	-20.25	-4	-20.75%
ΙΤΟΤ	iShares Core S&P Total U.S. Stock Marke	All Cap Equities	-4.37%	-154	-3.33%	2.31%	3.65%	-20.55	-4	-21.03%
SCHX	Schwab U.S. Large-Cap	Large Cap Blend Equiti	-4.40%	-155	-3.25%	2.35%	4.00%	-60.24	-14	-60.50%
IEMG	iShares Core MSCI Emerging Markets	Emerging Markets Equi	-4.41%	-156	-0.30%	7.23%	5.03%	-22.15	-3	-32.91%
EEM	iShares Emerging Mkts Index	Emerging Mkts Equities	-4.50%	-157	-0.53%	7.26%	5.14%	-22.56	-3	-34.73%
IWM	Russell 2000	Small Blend	-4.54%	-158	-5.09%	0.97%	4.22%	-21.61	-5	-28.11%
PGX	PowerShares Preferred Portfolio	Preferred Stock/Conver	-4.59%	-159	-0.25%	5.76%	-0.34%	-21.60	-4	-23.98%
FXI	iShares China 25 Index	China Equities	-4.59%	-160	7.09%	16.81%	5.00%	-23.62	1	-48.71%
DBA	PowerShares DB Agriculture Fd	Agriculture Commoditie	-4.94%	-161	-0.65%	-1.45%	-2.47%	0.05	-1	-13.94%
МОО	VanEck Vectors Agribusiness	Commodity Producers	-4.94%	-162	-2.46%	1.97%	5.75%	-8.31	-1	-19.24%
SCHE	Schwab Emerging Markets Equity	Emerging Markets Equi	-4.96%	-163	-1.17%	4.97%	2.78%	-20.12	-3	-31.68%
DEM	WisdomTree Emerg. Mkts Hi-Yld E.	Emerging Mkts Equities	-4.97%	-164	1.77%	6.03%	1.77%	-17.59	-2	-29.00%
DWX	SPDR S&P International Dividend	Foreign Large Cap Equ	-5.01%	-165	0.62%	11.82%	8.15%	-17.03	1	-24.82%
IWN	Russell 2000 Value	Small Value	-5.08%	-166	-5.52%	1.28%	4.00%	-16.71	-4	-21.81%
VBK	Vanguard SmallCap Growth	Small Cap Growth	-5.10%	-167	-2.88%	2.40%	3.83%	-28.00	-6	-33.65%
SOXX	iShares PHLX SOX Semiconductor Secto	Technology Equities	-5.20%	-168	-2.89%	12.59%	8.44%	-33.26	-4	-34.86%
ZROZ	PIMCO 25 Yr Zero Coupon US Treas Idx	Government Bonds	-5.20%	-169	12.24%	24.11%	1.18%	-35.41	1	-48.23%
ASHR	Deutsche X-Trackers China A-Shares	China Equities	-5.27%	-170	4.45%	6.88%	4.18%	-27.27	-3	-38.73%
TIP	iShares TIPS Bond Fd	Inflation-Protected Bon	-5.35%	-171	1.50%	2.14%	0.04%	-16.73	-3	-17.79%
PFF	iShares S&P Preferred Stock	Preferred Stock/Conver	-5.49%	-172	-1.11%	4.07%	-1.26%	-20.80	-5	-22.47%

Ticker	ETF Name	Orientation	%M/A		4 wk	8 wk	12 wk	YTD N	I-Index	DD%
VXF	Vanguard Extended Markets VIPERs	Mid Cap Blend	-5.54%	-173	-3.70%	1.90%	4.30%	-26.70	-6	-32.98%
XRT	SPDR S&P Retail *	Consumer Discretionar	-5.64%	-174	-5.23%	4.61%	5.43%	-31.83	-7	-40.91%
EWY	iShares S. Korea Index	Pacific Asia/excl. Japan	-5.68%	-175	-3.00%	11.86%	11.35%	-27.69	-2	-41.48%
XLK	Technology Select *	Technology Equities	-5.91%	-176	-3.49%	2.53%	3.02%	-26.68	-6	-27.83%
VNQI	Vanguard Global ex-U.S. Real Estate	Global Real Estate	-6.01%	-177	0.87%	10.86%	5.54%	-23.02	-1	-36.25%
SCHP	Schwab U.S. TIPs	Inflation-Protected Bon	-6.11%	-178	0.60%	0.98%	-1.53%	-16.84	-4	-18.14%
EZA	iShares South Africa Index	Emerging Markets Equi	-6.17%	-179	-5.82%	7.68%	11.83%	-11.81	0	-46.14%
FM	iShares MSCI Frontier 100 Fund	Emerging Markets Equi	-6.27%	-180	3.95%	8.53%	1.10%	-25.18	-3	-28.99%
RWX	SPDR DJ Wil Intern. RE	Real Estate	-6.35%	-181	0.87%	13.81%	8.29%	-24.75	0	-37.86%
VGT	Vanguard Info Technology	Technolgy Equities	-6.75%	-182	-3.71%	1.77%	2.11%	-28.83	-7	-30.04%
DJP	Bloomberg Commodity Index	Commodities	-6.76%	-183	-1.78%	1.91%	1.27%	17.14	5	-18.40%
IWF	Russell 1000 Growth	Large Growth	-6.89%	-184	-3.44%	-0.12%	0.31%	-28.70	-8	-29.60%
EWC	iShares Canada Index	Foreign Large Cap Equ	-7.35%	-185	-6.14%	1.44%	3.58%	-15.64	-4	-20.27%
KBE	SPDR S&P Bank	Specialty-Financial	-7.44%	-186	-8.53%	-3.78%	-3.14%	-19.24	-9	-27.07%
IFGL	iShares FTSE EPRA/NAREIT Global Real	Global Real Estate	-7.59%	-187	0.67%	13.14%	5.98%	-26.60	-2	-34.03%
IUSG	iShares Core U.S. Growth	Large Cap Growth Equi	-7.70%	-188	-3.92%	-0.70%	-0.51%	-28.73	-8	-29.65%
SPYG	S&P 500 Growth	Large Cap Growth	-7.85%	-189	-3.75%	-0.81%	-0.54%	-29.09	-9	-30.06%
VOOG	Vanguard S&P 500 Growth	Large Cap Growth Equi	-7.88%	-190	-3.75%	-0.77%	-0.82%	-29.11	-9	-30.08%
IHDG	WisdomTree International Hedged Divide	Foreign Large Cap Equ	-8.00%	-191	-9.22%	-2.87%	-0.11%	-20.83	-8	-22.01%
IVW	S&P 500/BARRA Growth	Large Growth	-8.04%	-192	-3.91%	-0.99%	-1.00%	-29.25	-9	-30.20%
IYC	iShares US Consumer Services	Consumer Discretionar	-8.04%	-193	-4.63%	-3.05%	-2.18%	-30.65	-10	-78.97%
DBC	PowerShares DB Commodity Index	Commodities	-8.13%	-194	-3.97%	-2.89%	0.62%	16.27	3	-20.86%
QQQ	PowerShares QQQ Trust, Series 1	Large Growth	-8.44%	-195	-3.71%	-0.42%	-0.46%	-31.07	-9	-32.11%
RWO	SPDR DJ Wilshire Global Real Estate	Global Real Estate	-8.54%	-196	-1.05%	9.02%	3.73%	-26.66	-4	-26.68%
IGV	iShares North American Tech-Software	Technology Equities	-8.66%	-197	-1.51%	-0.37%	2.24%	-35.14	-9	-42.24%
VUG	Vanguard Growth	Large Cap Growth	-8.77%	-198	-3.78%	-0.93%	-1.16%	-32.11	-9	-33.11%
SCHG	Schwab U.S. Large-Cap Growth	Large Cap Growth Equi	-8.83%	-199	-3.79%	-1.70%	-1.38%	-65.45	-18	-66.09%
KRE	SPDR S&P Region.Banking	Specialty-Financial	-8.97%	-200	-9.55%	-5.79%	-5.57%	-19.63	-10	-27.72%
KBWB	PowerShares KBW Bank Portfolio	Financials Equities	-9.03%	-201	-7.57%	-0.71%	-0.59%	-25.81	-9	-33.56%
MGK	Vanguard Mega Cap Growth	Large Cap Growth Equi	-9.42%	-202	-3.99%	-1.96%	-2.31%	-32.41	-10	-33.32%
IYW	Dow Jones US Technology	Technology Equities	-9.54%	-203	-3.43%	0.09%	0.08%	-33.57	-9	-34.86%
VNQ	Vanguard REIT Index	Real Estate	-9.66%	-204	-1.65%	7.60%	0.78%	-27.51	-5	-27.51%
RWR	Wilshire REIT Fund	Real Estate	-9.71%	-205	-2.17%	6.69%	1.44%	-27.41	-5	-27.41%
DBEF	Deutsche X-Trackers MSCI EAFE Hedge	Foreigh Large Cap Equ	-9.81%	-206	-13.28%	-6.60%	-4.32%	-17.16	-10	-18.55%
IYR	Dow Jones US Real Estate	Real Estate	-9.88%	-207	-2.39%	7.16%	-1.49%	-27.23	-6	-27.23%
GSG	iShares GSCI Commodity Index	Commodities.	-9.95%	-208	-4.71%	-5.33%	-0.49%	19.40	2	-22.44%
SCHH	Schwab U.S. REIT	Real Estate	-10.13%	-209	-2.62%	6.67%	-0.36%	-63.28	-15	-63.28%
ICF	Cohen & Steers Realty	Real Estate	-10.61%	-210	-2.40%	6.92%	-2.12%	-27.69	-6	-56.33%
VCR	Vanguard Consumer Discretionary	Consumer Discretionar	-11.28%	-211	-5.16%	-4.90%	-6.36%	-33.74	-13	-36.53%
IYZ	Down Jones US Telecom	Commun. Equities	-12.35%	-212	-4.69%	2.47%	0.78%	-33.27	-9	-39.90%
HEZU	iShares Currency Hedged MSCI Eurozon	Europe Equities	-12.48%	-213	-17.74%	-8.60%	-5.11%	-25.50	-14	-27.97%
XLY	Consumer Discretionary Sec.*	Consumer Discretionar	-12.57%	-214	-5.02%	-5.96%	-8.54%	-34.50	-14	-36.66%
FTGC	First Trust Global Tactical Commodity Str	Commodities	-12.93%	-215	-10.62%	-9.22%	-6.77%	3.34	-6	-24.25%

Ticker	ETF Name	Orientation	%M/A		4 wk	8 wk	12 wk	YTD	M-Index	DD%
VOX	Vanguard Telecom Serv's	Communication Equitie	-14.49%	-217	-3.97%	-4.63%	-3.36%	-39.48	-13	-45.55%
REZ	iShares Residential Real Estate Capped	Specialty-Real Estate	-14.62%	-218	-3.13%	0.75%	-7.69%	-29.81	-10	-30.48%
HEFA	iShares Currency Hedged MSCI EAFE	Foreign Large Cap Equ	-14.83%	-219	-18.31%	-11.95%	-10.04%	-22.62	-16	-24.75%
EWZ	iShares Brazil Index	Latin America Stock	-16.63%	-220	-11.06%	-23.12%	-14.74%	-6.63	-14	-45.86%
UNG	U.S. Natural Gas Fund	Oil & Gas	-17.38%	-221	-2.24%	12.79%	-16.49%	60.93	14	-77.24%
EWT	iShares Taiwan Index	Pacific Asia/excl. Japan	-19.54%	-222	-15.84%	-3.08%	-9.23%	-38.58	-17	-39.63%
URE	ProShares Ultra Real Estate	Leveraged Real Estate	-20.57%	-223	-3.47%	14.56%	-2.32%	-49.22	-10	-49.22%
HEWJ	iShares Currency Hedged MSCI Japan	Japan Equities	-27.09%	-224	-31.44%	-28.08%	-26.81%	-30.85	-29	-34.33%