

HV ETF Master List as of 12/15/2022

Ticker	ETF Name	Orientation	M-Index	4 wk	8 wk	12 wk	YTD	%M/A	DD%
TUR	iShares Turkey Investment Index	Emerging Markets Equi	46	17.25%	29.56%	49.27%	88.00%	50.68%	-25.87%
AGQ	ProShares Ultra Silver	Leveraged Commoditie	23	19.81%	52.45%	33.93%	-13.99%	11.49%	-57.13%
UNG	U.S. Natural Gas Fund	Oil & Gas	16	1.55%	11.10%	-16.82%	67.49%	-13.75%	-76.31%
XLE	Energy Select Sector *	Energy Equities	15	-7.52%	1.09%	12.83%	53.89%	6.32%	-9.22%
VDE	Vanguard Energy VIPERS	Energy Equities	13	-8.88%	-0.57%	9.31%	51.81%	4.73%	-10.66%
IYE	Dow Jones US Energy	Specialty-Natural Res.	13	-8.35%	0.26%	8.83%	51.06%	5.52%	-9.96%
SLV	iShares Silver Trust	Precious Metals	12	10.11%	23.70%	17.41%	-1.26%	9.01%	-21.33%
FXN	1st Trust Energy AlphaDEX	Energy Equities	11	-7.31%	-0.23%	6.19%	46.90%	4.74%	-9.74%
IEO	iShares DJ Oil & Gas Expl.&Prod.	Energy Equities	10	-11.28%	-4.92%	4.25%	49.95%	2.46%	-13.32%
FBT	1st Trust Biotechnolgy Index	Health & Biotech Equiti	9	3.40%	16.76%	17.47%	-3.56%	10.13%	-15.49%
IXC	S&P Global Energy	Energy Equities	9	-8.59%	-0.13%	7.34%	37.62%	2.15%	-11.13%
GDX	Mkt Vector Gold Miners	Specialty-Precious Met	9	4.42%	22.17%	19.29%	-11.58%	-3.27%	-36.40%
PSQ	ProShares Short QQQ	Inverse Equities	8	2.82%	-3.59%	-0.14%	31.30%	5.45%	-74.43%
IGE	iShares North American Natural Resources	Commodity Producers	8	-6.74%	2.31%	8.28%	26.68%	1.01%	-12.22%
XME	SPDR S&P Metals & Mining	Commodity Producers	8	-1.42%	9.30%	13.46%	11.28%	-2.05%	-24.33%
GNR	SPDR S&P Global Natural Resources	Commodity Producers	7	-1.10%	9.73%	11.70%	7.01%	1.88%	-11.55%
GDXJ	VanEck Vectors Junior Gold Miners	Commodity Producers	7	3.63%	22.38%	19.49%	-17.70%	-4.01%	-46.12%
GUNR	FlexShares Global Upstream Natural Resources	Commodity Producers	7	-1.03%	8.92%	10.03%	9.77%	1.31%	-11.40%
ITA	iShares DJ US Aerospace&Defense	Industrials Equities	7	0.46%	9.91%	12.85%	6.55%	5.86%	-54.33%
PPLT	ETFS Physical Platinum Shares	Precious Metals	7	2.69%	9.74%	11.83%	4.02%	7.36%	-21.70%
ITB	iShares DJ US Home Construction	Building and Constructi	6	7.66%	23.82%	18.37%	-24.22%	9.03%	-24.33%
DXJ	Wisdom Tree Japan Hedged Equity	Japan Stock	6	0.97%	6.62%	6.06%	8.36%	5.08%	-2.40%
EWK	iShares Belgium Index	Europe Stock	6	5.37%	20.84%	16.05%	-16.39%	2.77%	-23.05%
XLV	Health Care Select SPDR *	Health & Biotech Equiti	6	3.44%	11.13%	11.49%	-2.38%	5.04%	-3.71%
EWU	iShares United Kingdom Index	Europe Stock	6	2.62%	15.42%	11.43%	-6.73%	1.46%	-18.40%
IXJ	S&P Global Healthcare	Health & Biotech Equiti	6	3.47%	11.85%	11.92%	-5.04%	3.96%	-30.29%
BBH	VanEck Vectors Biotech	Health & Biotech	6	0.24%	16.32%	18.22%	-12.46%	8.36%	-24.92%
EWP	iShares Spain Index	Europe Stock	6	3.22%	16.59%	12.28%	-8.49%	2.86%	-33.66%
FEZ	SPDR Euro Stoxx 50	Europe Stock	6	1.01%	20.33%	20.63%	-16.16%	6.95%	-20.73%
EWQ	iShares France Index	Europe Stock	5	1.25%	16.98%	18.07%	-14.61%	5.19%	-17.92%
EWN	iShares Netherlands Index	Europe Stock	5	0.95%	22.01%	19.27%	-23.95%	4.45%	-28.99%
DJP	Bloomberg Commodity Index	Commodities	5	-1.28%	3.19%	-1.42%	18.33%	-6.00%	-17.57%
RING	iShares MCSI Global Gold Miners Fund	Commodity Producers	5	4.35%	20.60%	16.82%	-19.91%	-6.22%	-41.46%
RHS	Guggenheim S&P 500 = Wt. Consum Staples	Consumer Staples	5	2.02%	9.67%	6.33%	1.48%	2.43%	-4.66%
EZU	European Monetary Union Index	Europe Stock	5	0.91%	18.69%	17.95%	-18.89%	4.47%	-22.86%
FXU	1st Trust Utilities AlphaDEX	Utilities Equities	5	4.82%	12.95%	0.21%	3.79%	1.90%	-6.01%
IEV	S&P Europe 350 Index	Europe Stock	5	1.88%	17.04%	15.50%	-16.14%	2.83%	-18.20%
ECH	iShares Chile Index	Latin America	5	0.31%	8.20%	-0.23%	10.35%	-4.02%	-54.64%
IYH	Dow Jones US Healthcare	Specialty-Health	5	3.25%	10.91%	10.70%	-4.85%	4.33%	-5.32%
IYK	Dow Jones US Cons. Goods	Consumer Staples Equi	5	2.16%	10.41%	5.76%	1.49%	2.48%	-4.80%
VGK	Vanguard European	Europe Equities	5	2.46%	18.17%	16.12%	-17.57%	2.64%	-20.33%

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EWH	iShares Hong Kong Index	China Equities	5	6.12%	17.87%	7.53%	-9.53%	1.55%	-25.34%
XLI	Industrial Select Sector *	Industrial Equities	5	-0.19%	14.13%	14.07%	-6.89%	4.72%	-8.03%
XLU	Utilities Select Sector *	Utilities Equities	5	6.35%	15.35%	-1.24%	0.17%	0.49%	-8.22%
DHS	Wisdom Tree High-Yield Equity	Large Cap Value	5	-0.14%	8.85%	7.19%	4.74%	1.64%	-5.20%
FXG	1st Trust Consumer Staples	Consumer Staples Equi	4	0.35%	8.30%	6.10%	2.84%	1.19%	-6.26%
EWI	iShares Italy Index	Europe Stock	4	-1.29%	18.39%	16.49%	-18.38%	4.61%	-22.31%
EWG	iShares Germany Index	Europe Stock	4	0.04%	19.92%	18.95%	-24.16%	2.94%	-31.85%
EFV	MSCI EAFE iShares Value Index	Foreign Large Cap Equ	4	1.25%	14.45%	10.55%	-9.94%	1.15%	-23.82%
XLB	Materials Select Sector *	Materials	4	-0.05%	13.62%	13.68%	-12.35%	0.34%	-12.35%
FDL	1st Trust Morningstar Div. Lead's	Large Cap Value	4	-0.95%	8.02%	6.54%	3.07%	0.57%	-6.46%
SPHD	PowerShares S&P 500 HiDivLowVol	Large Cap Value	4	1.03%	11.08%	6.36%	-2.12%	-0.96%	-9.99%
IDV	iShares International Select Dividend	Foreign Large Cap Equ	4	2.75%	17.18%	8.30%	-13.79%	-2.60%	-25.08%
HDV	iShares Core High Dividend	Large Cap Value Equiti	4	-1.60%	7.67%	5.90%	2.53%	0.36%	-5.80%
SDY	SPDR Dividend ETF	Large Value	4	-0.51%	10.66%	7.91%	-2.01%	2.14%	-4.39%
EWD	iShares Sweden Index	Europe Stock	4	2.46%	19.96%	19.88%	-28.15%	0.91%	-32.60%
VTV	Vanguard Value	Large Cap Value	4	-0.04%	10.11%	8.61%	-4.09%	1.91%	-6.43%
TBT	ProShares UltraShort Lehman 20 Yr Treas	Leveraged Bonds	4	-15.25%	-25.13%	-8.87%	63.53%	-0.31%	-35.26%
XLP	Consumer Staples Select *	Consumer Staples	4	1.81%	10.84%	6.59%	-2.44%	2.09%	-6.63%
PXF	PowerShares FTSE RAFI Developed Markets	Foreign Large Cap Equ	4	1.20%	14.80%	11.10%	-12.56%	0.78%	-17.76%
KIE	SPDR S&P Insurance	Specialty-Financial	4	-0.51%	7.52%	10.08%	0.62%	3.27%	-56.71%
VPU	Vanguard Utilities VIPERS	Utilities Equities	4	5.09%	14.08%	-2.62%	-1.05%	-0.32%	-8.65%
IBB	Nasdaq Biotechnology	Health & Biotech Equiti	4	0.72%	14.17%	15.00%	-12.04%	8.21%	-60.62%
IDU	Dow Jones US Utilities	Utilities Equities	4	5.11%	13.43%	-2.53%	-0.95%	0.03%	-50.53%
VYM	Vanguard High Div. Yield Index	Large Cap Value	4	-0.55%	10.22%	9.39%	-2.77%	2.33%	-5.22%
VHT	Vanguard Health Care	Health & Biotech Equiti	4	2.84%	10.12%	9.64%	-6.21%	3.57%	-6.59%
SDOG	ALPS Sector Dividend Dogs	Large Cap Value Equiti	4	0.52%	10.52%	8.25%	-3.34%	-0.42%	-9.83%
PJP	Dynamic Pharmaceuticals	Health & Biotech Equiti	4	0.95%	8.70%	10.13%	-3.28%	3.37%	-6.07%
IEFA	iShares Core MSCI EAFE	Foreign Large Cap Equ	3	1.34%	15.65%	11.91%	-17.06%	1.19%	-20.83%
RPV	Guggenheim S&P 500 Pure Value	Large Value	3	-0.98%	8.14%	8.18%	-1.99%	-0.28%	-10.22%
GLD	SPDR Gold Shares	Precious Metals	3	0.87%	9.18%	6.20%	-3.28%	-0.73%	-14.72%
IHE	iShares DJ US Pharmaceuticals	Health & Biotech Equiti	3	2.89%	8.89%	6.69%	-7.13%	-0.41%	-8.14%
IYM	Dow Jones US Basic Mat's	Materials	3	-1.13%	11.73%	12.17%	-10.28%	-2.07%	-18.32%
DBEU	Deutsche X-Trackers MSCI Europe Hedged	Europe Equities	3	-0.09%	8.96%	8.75%	-7.06%	2.59%	-8.57%
SCHD	Schwab US Dividend Equity	All Cap Equities	3	-1.26%	10.14%	9.11%	-6.62%	1.13%	-7.88%
FXH	1st Trust Health Care AlphaDEX	Health & Biotech Equiti	3	3.93%	10.93%	10.04%	-12.31%	2.31%	-15.02%
JXI	iShares S&P Global Utilities	Utilities Equities	3	3.67%	14.45%	-0.44%	-6.49%	-1.39%	-10.36%
DBC	PowerShares DB Commodity Index	Commodities	3	-3.43%	-1.53%	-1.53%	17.76%	-7.09%	-19.85%
VAW	Vanguard Materials VIPERS	Materials	3	-0.92%	12.04%	12.01%	-12.60%	-0.76%	-13.74%
DIA	SPDR Dow Jones Industrial Average	Large Cap Value	3	-0.98%	9.72%	10.74%	-8.40%	2.66%	-9.53%
VIG	Vanguard Div. Appreciation	Large Cap Value Equiti	3	0.66%	11.17%	9.04%	-10.56%	1.99%	-10.80%
VIS	Vanguard Industrials	industrials Equities	3	-1.23%	12.13%	11.31%	-9.79%	3.28%	-11.76%
DVY	iShares Select Dividend Index	Large Cap Value	3	-0.45%	9.72%	4.04%	-1.80%	-0.96%	-8.90%
VEA	Vanguard FTSE Developed Markets	Foreign Large Cap	3	1.16%	15.09%	11.29%	-16.63%	0.55%	-20.33%
VDC	Vanguard Consumer Staples	Consumer Staples Equi	3	0.49%	9.76%	5.24%	-3.81%	1.18%	-7.70%

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NOBL	ProShares S&P 500 Dividend Aristocrats	Large Cap Value Equiti	3	-0.25%	11.59%	9.50%	-6.95%	1.90%	-7.44%
IAU	iShares Gold Trust	Precious Metals	3	0.93%	9.20%	6.27%	-3.13%	-0.65%	-14.46%
RWM	ProShares Short Russell2000	Inverse Equities	3	3.55%	-4.53%	-4.19%	17.25%	1.40%	-61.23%
EFA	MSCI EAFE iShares Index Fd	Foreign Large Cap Equ	3	1.51%	15.87%	12.57%	-16.12%	1.66%	-19.64%
FXE	CurrencyShares Euro Currency Trust	Currency	3	2.49%	8.61%	7.94%	-7.28%	2.59%	-18.60%
THD	iShares Thailand Capped Invest Mrkt Idx	Emerging Markets Equi	3	1.80%	10.70%	5.25%	-5.46%	1.44%	-29.24%
GSG	iShares GSCI Commodity Index	Commodities.	3	-4.11%	-3.36%	-2.77%	21.22%	-8.82%	-21.26%
SPLV	PowerShares S&P 500 Low Volat.	Large Cap Blend	3	3.23%	11.11%	4.95%	-6.32%	1.35%	-7.39%
EPP	iShares Pacific ex. Japan Index Fund	Pacific Asia/excl. Japan	3	0.07%	13.87%	7.63%	-10.47%	-0.89%	-20.77%
PEY	PowerShares Hi Yields Div. Achiev's	Mid-Cap Value	2	-0.53%	7.75%	4.28%	-1.66%	-0.96%	-7.87%
EWM	iShares Malaysia Index	Emerging Markets Equi	2	3.43%	8.25%	5.44%	-10.91%	-1.78%	-38.85%
XMLV	PowerShares S&P MidCap Low Volatility Portfolio	Mid Cap Blend Equities	2	-0.45%	9.10%	6.09%	-8.57%	0.58%	-8.69%
FXB	CurrencyShares British Pound	Currency	2	2.68%	8.53%	8.24%	-10.02%	0.75%	-19.52%
SIL	Global X Silver Miners	Commodity Producers	2	1.73%	16.16%	16.80%	-24.75%	-2.99%	-48.50%
HEDJ	WisdomTree Europe Hedged Equity	Europe Equities	2	-0.45%	8.65%	9.77%	-11.44%	1.77%	-13.63%
VOE	Vanguard Mid Cap Value	Mid-Cap Value	2	0.11%	10.76%	6.67%	-8.66%	-0.37%	-10.35%
DBJP	Deutsche X-Trackers MSCI Japan Hedged	Japan Equities	2	-0.86%	4.03%	4.78%	0.10%	3.20%	-3.62%
IVOV	Vanguard S&P Mid-Cap 400 Value	Mid Cap Value Equities	2	-1.76%	8.79%	7.21%	-7.29%	0.76%	-10.61%
DGRO	iShares Core Dividend Growth	Large Cap Value Equiti	2	-0.65%	10.18%	6.93%	-9.81%	0.65%	-10.58%
EWA	iShares Australia Index	Asia Pacific Equities	2	-1.68%	11.95%	7.57%	-10.19%	-2.25%	-18.55%
EFG	iShares MSCI EAFE Growth Index	Foreign Large Cap Equ	2	1.28%	16.33%	13.80%	-22.60%	1.65%	-25.08%
SH	Short S&P 500 ProShares ETF	Inverse Equities	2	1.48%	-6.11%	-4.12%	16.15%	1.42%	-62.02%
IVE	S&P 500/BARRA Value	Large Value	2	-0.73%	9.17%	7.34%	-7.15%	0.51%	-8.57%
IYJ	Dow Jones US Industrial	Industrial Equities	2	-0.80%	11.70%	10.79%	-14.23%	1.55%	-49.89%
XHB	SPDR Series Trust SPDR Home Builders	Building & Construction	2	3.27%	17.17%	12.84%	-27.06%	3.50%	-27.47%
SCHV	Schwab U.S. Large-Cap Value	Large Cap Value Equiti	2	-0.93%	9.46%	7.91%	-9.64%	0.28%	-10.82%
VEU	Vanguard FTSE All-Word ex-US	Global Equities	2	1.09%	13.42%	9.03%	-17.09%	-0.49%	-22.17%
FNDX	Schwab Fundamental U.S. Large Company Index	Large Cap Value Equiti	1	-2.13%	7.53%	6.98%	-8.43%	-0.72%	-10.40%
IWD	Russell 1000 Value	Large Value	1	-1.23%	8.33%	6.13%	-9.58%	-0.81%	-10.94%
HEWG	iShares Currency Hedged MSCI Germany	Europe Equities	1	-2.36%	11.28%	11.60%	-16.76%	1.67%	-19.69%
IXUS	iShares Core MSCI Total International Stock	Global Equities	1	0.22%	12.72%	8.25%	-18.28%	-1.13%	-23.25%
VXUS	Vanguard Total International Stock	Global Equities	1	0.96%	13.21%	8.72%	-17.65%	-0.87%	-22.44%
ZROZ	PIMCO 25 Yr Zero Coupon US Treas Idx Exchg-Tr	Government Bonds	1	13.15%	22.16%	3.52%	-34.30%	-4.40%	-47.34%
PKW	PowerShares Buyback Achievers	All Cap Equities	1	-2.44%	8.71%	10.46%	-11.83%	1.44%	-13.28%
MCHI	iShares MSCI China	China Equities	1	4.37%	19.60%	6.51%	-24.66%	-2.63%	-51.34%
PCY	PowerShares Emerging Markets Sovereign Debt P	Emerging Markets Bon	1	5.05%	17.72%	7.27%	-26.64%	0.44%	-37.54%
EPHE	iShares MSCI Philippines	Emerging Markets Equi	1	3.06%	11.72%	7.59%	-18.05%	-2.57%	-35.80%
IJJ	S&P MidCap 400/BARRA Value	Mid-Cap Blend	1	-2.23%	8.22%	5.98%	-9.07%	-0.41%	-41.84%
EWS	iShares Singapore Index	Pacific Asia/excl. Japan	1	-2.03%	13.93%	5.61%	-12.06%	0.95%	-33.27%
SCHF	Schwab International Equity	Foreign Large Cap Equ	1	-0.68%	13.15%	9.44%	-16.75%	-0.56%	-20.76%
ACWX	iShares MSCI ACWI ex US	Global Equities	1	0.24%	12.95%	8.72%	-17.95%	-0.97%	-22.86%
VPL	Vanguard Pacific ETF	Asia Pacific Equities	1	0.91%	13.50%	7.44%	-16.47%	-0.71%	-23.93%
FEX	First Trust Large Cap Core AlphaDEX	Large Cap Blend Equity	1	-1.11%	9.03%	6.95%	-12.10%	-0.06%	-12.76%
EWW	iShares Mexico Index	Latin America Stock	1	-6.98%	7.17%	7.13%	-1.98%	1.08%	-13.92%

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SCZ	iShares MSCI EAFE Small-Cap	Foreign Small & Mid Ca	1	1.60%	15.16%	9.46%	-22.88%	-1.28%	-28.72%
IHI	iShares DJ US Medical Devices	Health & Biotech Equiti	1	3.77%	11.23%	8.93%	-20.12%	-0.62%	-85.84%
TBF	ProShares Short 20+Year Treasury	Inverse Bonds	1	-7.81%	-13.07%	-3.91%	30.64%	1.13%	-15.32%
DFE	Wisdom Tree Europe SmCap Div.	Europe Stock	1	1.98%	17.50%	12.04%	-26.55%	-3.63%	-30.82%
USMV	iShares Edge MSCI Min Vol USA	All Cap Equities	1	0.73%	8.87%	5.54%	-10.07%	0.41%	-10.23%
EDV	Vanguard Extended Duration Treasury	Government Bonds	1	12.29%	21.32%	4.19%	-32.97%	-3.47%	-47.39%
VCLT	Vanguard Long-Term Corporate Bond	Corporate Bonds	1	6.48%	16.13%	6.31%	-23.48%	-0.27%	-28.30%
DWX	SPDR S&P International Dividend	Foreign Large Cap Equ	1	1.57%	13.51%	5.56%	-16.56%	-4.93%	-24.40%
DON	Wisdom Tree MidCap Div.	Mid-Cap Value	1	-1.89%	6.40%	4.82%	-6.33%	-0.48%	-59.05%
EWL	iShares Switzerland Index	Europe Stock	1	0.93%	12.23%	10.07%	-19.80%	-1.22%	-20.24%
RSP	Guggenheim S&P Equal Weight	Large Blend	1	-0.26%	10.15%	7.82%	-12.08%	-0.24%	-12.86%
PRF	PowerShares FTSE RAFI US 1000	Large Cap Value	1	-1.23%	8.11%	7.30%	-8.96%	-0.45%	-10.92%
BLV	Vanguard Long Term Bond	Long-Term Bond	1	6.91%	14.93%	4.88%	-24.39%	-1.48%	-33.79%
HDGE	Ranger Equity Bear	Inverse Equities	0	0.47%	-7.06%	-5.94%	13.67%	-0.70%	-75.04%
FV	First Trust VL Dividend	Large Cap Value Equiti	0	-3.99%	3.93%	7.93%	-5.92%	1.08%	-10.21%
LQD	iShares iBoxx \$ Liquid Invest. Gr.	Corporate Bonds	0	3.51%	10.41%	4.21%	-17.35%	-0.60%	-21.29%
IHF	iShares DJ US Healthcare Provid's	Health & Biotech Equiti	0	2.60%	3.35%	2.42%	-7.20%	-0.12%	-8.96%
VNQI	Vanguard Global ex-U.S. Real Estate	Global Real Estate	0	3.40%	14.31%	5.24%	-21.08%	-4.22%	-34.63%
VBR	Vanguard SmallCap Value	Small Cap Value	0	-2.18%	7.48%	6.31%	-10.39%	-0.92%	-13.71%
VCIT	Vanguard Intermediate-Term Corporate Bond	Corporate Bonds	0	2.78%	8.27%	3.64%	-14.03%	-0.41%	-17.93%
XLF	Financial Select Sector *	Financial Equities	0	-3.19%	8.64%	7.64%	-13.03%	-0.50%	-18.01%
PHB	PowerShares High Yield Corp Bond	High Yield Bonds	0	1.81%	5.32%	4.12%	-10.25%	0.37%	-11.39%
RWX	SPDR DJ Wil Intern. RE	Real Estate	0	2.57%	16.10%	6.25%	-23.65%	-5.62%	-36.95%
FXI	iShares China 25 Index	China Equities	0	3.45%	17.21%	3.30%	-23.84%	-5.30%	-48.85%
VWOB	Vanguard Emerging Markets Gov Bonds	Emerging Markets Bon	0	4.00%	12.06%	4.79%	-19.37%	0.13%	-24.80%
FXO	1st Trust Financials AlphaDEX	Financial Equities	0	-2.79%	8.69%	5.27%	-11.13%	-1.25%	-15.39%
EZA	iShares South Africa Index	Emerging Markets Equi	0	-5.77%	11.41%	7.19%	-11.59%	-6.69%	-46.01%
EWJ	iShares Japan Index	Japan Stock	0	0.46%	12.53%	6.74%	-18.59%	-0.56%	-26.46%
AGG	iShares Lehman Aggregate Bond	Intermediate-Term Bon	0	2.54%	6.39%	2.16%	-12.68%	-1.16%	-16.73%
VCSH	Vanguard Short-Term Corporate Bond	Corporate Bonds	0	0.97%	3.31%	1.16%	-6.74%	-0.43%	-8.97%
FTSM	First Trust Enhanced Short Maturity	Total Bond Market	0	0.13%	0.22%	0.10%	-0.50%	0.10%	-1.20%
IWS	Russell MidCap Value	Mid-Cap Value	0	-1.33%	8.77%	5.13%	-13.25%	-2.36%	-14.10%
TLT	iShares 20+ Treas. Bd	Government Bonds	0	7.96%	14.17%	2.90%	-26.90%	-3.35%	-36.87%
TLH	iShares Lehman 10-20 Yr Treasury	Government Bonds	0	6.04%	11.63%	3.80%	-22.39%	-2.32%	-33.17%
EMB	iShares Emerging Markets Bond	Emerging Market Bond	0	3.27%	11.97%	4.10%	-20.85%	-0.71%	-26.83%
BND	Vanguard Total Bond Market	Intermediate-Term Bon	0	2.80%	6.49%	2.33%	-12.83%	-0.99%	-17.43%
ACWV	iShares Edge MSCI Min Vol Global	Global Equities	0	0.01%	7.32%	3.72%	-12.02%	-1.54%	-12.02%
SCHZ	Schwab US Aggregate Bond	Total Bond Market	0	2.84%	6.74%	2.55%	-12.75%	-0.90%	-17.38%
PZA	Pshares Insured National Munis	National Munis	0	2.54%	5.22%	4.14%	-13.76%	-0.17%	-15.04%
MUB	iShares S&P National Muni Bond	National Munis	0	1.52%	3.86%	2.64%	-8.51%	0.29%	-9.80%
BSV	Vanguard Short Term Bond	Total Bond Market	0	0.88%	2.39%	0.99%	-6.17%	-0.64%	-8.96%
MDY	MidCap Trust Series I	Mid-Cap Blend	0	-2.00%	8.02%	7.10%	-13.81%	-0.42%	-15.98%
BIV	Vanguard Intermed. Term Bond	Intermediate-Term Bon	0	2.33%	6.53%	2.75%	-12.90%	-0.97%	-19.13%
FXD	First Trust Cons. Discret. AlphaDEX	Consumer Discretionar	0	-0.52%	11.45%	9.42%	-20.45%	0.34%	-24.74%

Ticker	ETF Name	Orientation	M-Index	4 wk	8 wk	12 wk	YTD	%M/A	DD%
IEI	iShares Lehman 3-7 Yr. Treasury	Government Bonds	-1	1.32%	3.79%	1.52%	-9.39%	-1.15%	-13.06%
IFGL	iShares FTSE EPRA/NAREIT Global Real Estate	Global Real Estate	-1	2.41%	15.12%	4.32%	-25.47%	-6.87%	-33.02%
IEF	iShares Lehman 7-10 Yr Treasury	Government Bonds	-1	2.48%	6.38%	2.23%	-14.03%	-1.83%	-19.67%
HYS	PIMCO 0-5 Year High Yield Corp Bond	High Yield Bonds	-1	0.83%	3.07%	1.99%	-8.58%	-0.71%	-11.11%
HYG	iShares Lehman Hi-Yield Corp.	High Yield Bond	-1	1.26%	4.46%	2.66%	-13.80%	-1.61%	-15.70%
GVI	iShares Lehman Intern. Govt/Credit	Total Bond Market	-1	1.08%	3.47%	1.33%	-8.83%	-1.06%	-12.37%
GOVT	iShares Core U.S. Treasury Bond	Government Bonds	-1	2.20%	4.77%	1.39%	-12.82%	-1.50%	-17.81%
BAB	PowerShares Build America Bond Portfolio	National Munis	-1	4.63%	7.88%	2.38%	-19.02%	-1.88%	-22.95%
FXV	CurrencyShares Japanese Yen Trust	Currency	-1	1.80%	8.97%	3.18%	-16.85%	-2.16%	-29.92%
BKLN	PowerShares Exchange-Traded Fund Trust	High Yield Bonds	-1	-0.24%	0.68%	1.16%	-5.66%	-0.68%	-10.97%
FLOT	iShares Floating Rate Bond	Corporate Bonds	-1	-0.46%	-0.34%	-0.75%	-1.30%	-0.43%	-2.00%
BOND	PIMCO Total Return Active Exchange-Traded	Total Bond Market	-1	2.94%	6.62%	1.64%	-15.07%	-1.75%	-17.90%
BWX	SPDR Lehman Intl Treasury Bond	World Gov Bond	-1	2.22%	10.59%	5.08%	-20.23%	-2.18%	-28.30%
DBA	PowerShares DB Agriculture Fd	Agriculture Commoditie	-1	-0.30%	-0.90%	-4.07%	0.35%	-4.87%	-13.68%
DES	Wisdom Tree SmallCap Div.	Small Cap Value	-1	-3.17%	6.33%	4.93%	-12.63%	-2.50%	-66.39%
FLTB	Fidelity Limited Term Bond	Corporate Bonds	-1	0.96%	2.70%	0.92%	-6.66%	-0.54%	-8.59%
TOTL	SPDR DoubleLine Total Return Tactical	Total Bond Market	-1	3.15%	5.07%	1.18%	-12.86%	-1.81%	-18.07%
AAXJ	iShares MSCI All Country Asia ex Japan	Asia Pacific	-1	0.79%	13.53%	4.58%	-21.55%	-3.20%	-36.44%
IYF	Dow Jones US Financial Sector	Specialty-Financial	-1	-3.97%	7.45%	5.47%	-13.99%	-1.45%	-48.01%
IYT	Dow Jones Transportation	Transportation Equities	-1	-0.88%	10.93%	7.12%	-19.94%	-2.86%	-20.93%
SCHC	Schwab International SmallCap Equ.	Foreign Small/Mid Blen	-1	-1.01%	12.00%	6.81%	-23.38%	-4.04%	-28.86%
VO	Vanguard Mid-Cap	Mid-Cap Blend	-1	-0.35%	9.46%	5.77%	-18.47%	-1.87%	-20.47%
VLUE	iShares Edge MSCI USA Value Factor	Large Cap Value Equiti	-1	-2.04%	8.42%	6.78%	-15.28%	-2.68%	-19.30%
VGSH	Vanguard Short-Term Government	Government Bonds	-1	0.48%	1.08%	0.33%	-4.54%	-0.78%	-6.85%
MOO	VanEck Vectors Agribusiness	Commodity Producers	-1	-1.74%	4.96%	2.22%	-7.69%	-4.70%	-18.69%
VGIT	Vanguard Intermediate-Term Gov Bonds	Government Bonds	-1	1.70%	4.43%	1.81%	-10.23%	-1.14%	-15.78%
IWR	Russell MidCap Index Fs	Mid-Cap Blend	-1	-1.20%	8.45%	5.42%	-17.77%	-2.18%	-69.54%
PIN	PowerShares India Portfolio	Emerging Markets Equi	-1	-0.28%	3.56%	1.27%	-7.51%	0.94%	-53.14%
JNK	Barclays Cap. High Yield Bond	High Yield Bond	-1	1.67%	4.76%	2.61%	-14.99%	-1.92%	-71.58%
QUAL	iShares Edge MSCI USA Quality Factor	All Cap Equities	-1	-0.89%	9.31%	6.47%	-20.36%	-2.31%	-20.77%
SPHQ	PowerShares S&P 500 Quality Portfolio	Large Cap Blend Equiti	-1	-1.55%	8.28%	7.16%	-16.48%	-0.98%	-17.27%
IJH	S&P MidCap 400	Mid-Cap Blend	-1	-2.39%	7.63%	6.10%	-14.20%	-0.89%	-16.40%
SMH	VanEck Vectors Semiconductor	Technology Equities	-1	-1.77%	19.49%	10.29%	-30.29%	-3.14%	-32.00%
SJNK	SPDR Barclays Short Term High Yield Bond	High Yield Bonds	-1	0.98%	3.27%	1.86%	-9.21%	-0.82%	-12.40%
SHYG	iShares 0-5 Year High Yield Corporate Bond	High Yield Bonds	-1	0.46%	2.89%	1.92%	-8.76%	-0.93%	-13.95%
SHY	iShares Lehman 1-3 Year Treasury	Government Bonds	-1	0.23%	0.77%	0.04%	-4.90%	-1.13%	-6.28%
SCHR	Schwab Intermediate-Term U.S. Treasury	Government Bonds	-1	1.66%	4.41%	1.68%	-10.51%	-1.32%	-14.79%
SCHM	Schwab U.S. Mid Cap	Mid Cap Blend Equities	-1	-1.38%	7.76%	5.56%	-17.43%	-2.26%	-20.36%
SCHO	Schwab Short-Term U.S. Treasury	Government Bonds	-1	0.48%	1.06%	0.31%	-4.68%	-0.87%	-6.30%
UUP	PowerShares DB US Dollar Bullish	Currency	-1	-1.64%	-6.95%	-5.33%	10.26%	-0.43%	-7.86%
VSS	Vanguard FTSE All-Wld ex-US SmCP Idx	Foreign Small & Mid Ca	-1	0.66%	12.48%	6.43%	-21.90%	-2.69%	-26.33%
VT	Vanguard Total World Stock Index	Global Equities	-1	-0.39%	9.13%	5.92%	-18.44%	-2.15%	-19.78%
IJS	S&P SmallCap 600/BARRA Value	Small Value	-1	-3.81%	6.07%	5.77%	-12.17%	-2.61%	-47.03%
XPH	SPDR Pharmaceuticals	Health & Biotech Equiti	-1	0.00%	3.69%	1.66%	-9.88%	-2.08%	-25.75%

Ticker	ETF Name	Orientation	M-Index	4 wk	8 wk	12 wk	YTD	%M/A	DD%
VB	Vanguard SmallCap	Small Cap Blend	-2	-1.91%	6.65%	4.75%	-17.60%	-2.43%	-22.20%
VFH	Vanguard Financials	Financials Equities	-2	-4.38%	6.62%	4.76%	-15.26%	-2.11%	-19.58%
RWO	SPDR DJ Wilshire Global Real Estate	Global Real Estate	-2	2.32%	12.11%	4.10%	-25.01%	-7.12%	-25.04%
RWR	Wilshire REIT Fund	Real Estate	-2	2.19%	10.59%	3.09%	-25.38%	-7.81%	-25.38%
INDA	iShares MSCI India	Emerging Markets Equi	-2	-1.54%	2.77%	-0.49%	-7.77%	-0.12%	-16.74%
BNDX	Vanguard Total International Bond	Total Bond Market	-2	0.16%	3.79%	0.95%	-11.60%	-1.91%	-17.66%
SOXX	iShares PHLX SOX Semiconductor Sector Index	Technology Equities	-2	-1.93%	17.67%	7.80%	-32.76%	-5.19%	-34.37%
VOO	Vanguard S&P 500	Large Cap Blend Equiti	-2	-1.18%	6.64%	3.69%	-17.97%	-2.90%	-18.47%
SPY	SPDR S&P 500	Large Cap Blend	-2	-1.17%	6.63%	4.12%	-17.97%	-2.85%	-18.44%
GSLC	Goldman Sachs ActiveBeta U.S. Large CaP	Large Cap Blend Equiti	-2	-1.13%	6.80%	4.32%	-18.47%	-2.54%	-18.88%
IJK	S&P MidCap 400/BARRA Growth	Mid-Cap Growth	-2	-2.42%	7.00%	6.26%	-19.13%	-1.36%	-73.17%
VWO	Vanguard Emerging Markets	Emerging Markets Equi	-2	0.79%	9.22%	3.02%	-20.02%	-3.87%	-29.97%
DEM	WisdomTree Emerg. Mkts Hi-Yld E.	Emerging Mkts Equities	-2	1.33%	8.11%	-1.00%	-17.52%	-5.38%	-28.94%
ASHR	Deutsche X-Trackers China A-Shares	China Equities	-2	5.27%	8.66%	3.34%	-26.48%	-4.69%	-38.06%
ACWI	iShares MSCI ACWI	Global Equities	-2	-1.18%	8.34%	5.19%	-18.94%	-2.69%	-20.03%
VTIP	Vanguard Short-Term Inflation-Protected Securities	Inflation-Protected Bon	-2	0.71%	1.03%	-1.60%	-6.73%	-3.27%	-9.20%
VRP	PowerShares Variable Rate Preferred Portfolio	Preferred Stock	-2	1.35%	3.77%	0.31%	-12.92%	-1.51%	-14.73%
TIP	iShares TIPS Bond Fd	Inflation-Protected Bon	-3	1.53%	2.95%	0.15%	-16.28%	-5.25%	-17.35%
VV	Vanguard LargeCap	Large Cap Blend	-3	-1.27%	6.31%	3.20%	-19.65%	-3.28%	-19.91%
EWC	iShares Canada Index	Foreign Large Cap Equ	-3	-5.12%	5.17%	1.24%	-14.70%	-6.82%	-19.38%
IVV	S&P 500	Large Blend	-3	-1.57%	6.20%	3.18%	-18.30%	-3.29%	-18.79%
IJR	S&P Sm.Cap 600	Small Blend	-3	-3.96%	5.67%	4.83%	-16.86%	-3.24%	-20.88%
IEMG	iShares Core MSCI Emerging Markets	Emerging Markets Equi	-3	-1.04%	8.51%	2.26%	-22.27%	-5.02%	-33.01%
IWB	Russell 1000 Index	Large Blend	-3	-1.69%	5.88%	2.98%	-19.30%	-3.60%	-19.81%
IWV	Russell 3000 Index	All Cap Equities	-3	-1.86%	5.76%	2.94%	-19.40%	-3.66%	-19.86%
IWN	Russell 2000 Value	Small Value	-3	-4.15%	4.41%	2.38%	-16.02%	-4.69%	-21.16%
IYG	Dow Jones US Financial Serv's	Specialty-Financial	-3	-4.82%	7.14%	4.48%	-19.26%	-3.11%	-23.41%
IYR	Dow Jones US Real Estate	Real Estate	-3	1.38%	10.70%	-0.26%	-25.34%	-8.08%	-25.34%
SCHP	Schwab U.S. TIPs	Inflation-Protected Bon	-3	1.47%	2.57%	-0.62%	-15.73%	-5.27%	-17.04%
FPE	First Trust Preferred Securities and Income	Preferred Stock	-3	1.30%	4.39%	-0.98%	-15.70%	-2.85%	-17.45%
VTI	Total Stock Market VIPERs	All Cap Equities	-3	-1.30%	6.36%	3.52%	-19.27%	-3.17%	-19.78%
ITOT	iShares Core S&P Total U.S. Stock Market	All Cap Equities	-3	-1.76%	5.90%	2.97%	-19.63%	-3.68%	-20.12%
MTUM	iShares Edge MSCI USA Momentum Factores	All Cap Equities	-3	-2.15%	5.26%	5.50%	-20.09%	-0.03%	-25.01%
DOG	ProShares Short Dow 30	Bear Market	-3	1.09%	-8.74%	-9.73%	5.18%	-3.54%	-62.76%
ICF	Cohen & Steers Realty	Real Estate	-3	1.76%	10.54%	-0.55%	-25.67%	-8.65%	-55.11%
IWP	Russell MidCap Growth	Mid-Cap Growth	-3	-1.00%	7.84%	5.83%	-26.08%	-1.88%	-30.91%
EEM	iShares Emerging Mkts Index	Emerging Mkts Equities	-3	-1.39%	8.58%	2.25%	-22.78%	-5.24%	-34.92%
FM	iShares MSCI Frontier 100 Fund	Emerging Markets Equi	-3	4.27%	9.06%	-0.46%	-25.01%	-6.66%	-28.82%
VNQ	Vanguard REIT Index	Real Estate	-3	2.24%	11.32%	0.98%	-25.59%	-7.83%	-25.59%
CWB	SPDR Barclays Convertible Securities	Convertible Bonds	-4	-0.53%	2.81%	0.94%	-21.11%	-3.73%	-29.01%
EFZ	ProSharesShort MSCI EAFE	Inverse Equities	-4	-1.67%	-14.06%	-11.79%	12.37%	-3.81%	-44.02%
VOT	Vanguard Mid-Cap Growth	Mid-Cap Growth	-4	-0.84%	8.09%	4.74%	-27.76%	-3.53%	-30.79%
SCHE	Schwab Emerging Markets Equity	Emerging Markets Equi	-4	-1.82%	6.95%	0.64%	-19.95%	-5.17%	-31.53%
EWY	iShares S. Korea Index	Pacific Asia/excl. Japan	-4	-3.78%	12.03%	5.92%	-28.73%	-7.64%	-42.32%

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IJT	S&P SmallCap 600/BARRA Growth	Small Growth	-4	-3.91%	5.29%	4.04%	-21.65%	-3.78%	-47.98%
PGF	PowerShares Fin. Preferred Portf.	Specialty-Financial	-4	-0.27%	4.81%	-0.33%	-20.14%	-3.51%	-23.04%
RPG	Guggenheim S&P 500 Pure Growth	Large Growth	-4	-2.75%	8.33%	4.67%	-26.31%	-3.18%	-29.69%
INDY	iShares S&P India Nifty 50 Index Fund	Emerging Markets Equi	-4	-4.74%	0.33%	-2.35%	-9.47%	-2.33%	-20.21%
URE	ProShares Ultra Real Estate	Leveraged Real Estate	-5	3.96%	22.08%	0.10%	-46.48%	-17.32%	-46.48%
IWM	Russell 2000	Small Blend	-5	-3.76%	3.93%	2.50%	-21.02%	-4.27%	-27.57%
PDP	PowerShares DWA Momentum Portfolio	All Cap Equities	-5	-3.23%	4.75%	3.70%	-23.30%	-2.18%	-28.18%
PEZ	PowerShares Consumer Cyclical	All Cap Equities	-5	-0.75%	6.02%	5.80%	-29.08%	-2.88%	-36.65%
PFF	iShares S&P Preferred Stock	Preferred Stock/Conver	-5	-1.08%	3.68%	-2.50%	-20.77%	-5.82%	-22.44%
VBK	Vanguard SmallCap Growth	Small Cap Growth	-5	-1.56%	5.39%	2.38%	-27.31%	-4.70%	-33.01%
PGX	PowerShares Preferred Portfolio	Preferred Stock/Conver	-5	-0.85%	4.74%	-1.84%	-21.87%	-5.27%	-24.24%
XLK	Technology Select *	Technology Equities	-5	-2.08%	6.68%	3.04%	-25.70%	-5.14%	-26.87%
XRT	SPDR S&P Retail *	Consumer Discretionar	-5	-3.12%	8.51%	5.50%	-30.98%	-5.13%	-40.17%
XBI	SPDR Series Trust SPDR S&P Biotech	Health & Biotech Equiti	-5	0.19%	5.17%	3.33%	-27.93%	-0.21%	-53.62%
VXF	Vanguard Extended Markets VIPERs	Mid Cap Blend	-5	-2.27%	4.96%	2.75%	-25.94%	-5.10%	-32.29%
FTGC	First Trust Global Tactical Commodity Strategy	Commodities	-6	-10.11%	-7.90%	-8.81%	4.12%	-12.62%	-23.68%
VGT	Vanguard Info Technology	Technolgy Equities	-6	-2.32%	5.84%	2.00%	-27.89%	-6.06%	-29.12%
IWO	Russell 2000 Growth	Small Growth	-6	-3.32%	3.43%	2.59%	-26.13%	-3.79%	-35.69%
VOOG	Vanguard S&P 500 Growth	Large Cap Growth Equi	-7	-2.26%	3.11%	-0.99%	-28.09%	-7.14%	-29.08%
SPYG	S&P 500 Growth	Large Cap Growth	-7	-2.27%	3.15%	-0.72%	-28.08%	-7.12%	-29.07%
REZ	iShares Residential Real Estate Capped	Specialty-Real Estate	-7	1.34%	3.82%	-5.87%	-27.80%	-12.86%	-28.49%
IUSG	iShares Core U.S. Growth	Large Cap Growth Equi	-7	-2.53%	3.15%	-0.80%	-27.77%	-7.02%	-28.70%
IVW	S&P 500/BARRA Growth	Large Growth	-7	-2.52%	2.85%	-1.23%	-28.30%	-7.39%	-29.27%
IWF	Russell 1000 Growth	Large Growth	-7	-2.06%	3.55%	-0.02%	-27.82%	-6.30%	-28.74%
VUG	Vanguard Growth	Large Cap Growth	-8	-2.39%	2.67%	-1.60%	-31.18%	-8.14%	-32.19%
KBWB	PowerShares KBW Bank Portfolio	Financials Equities	-8	-6.12%	2.73%	-1.65%	-25.19%	-8.97%	-33.00%
IHDG	WisdomTree International Hedged Dividend Growt	Foreign Large Cap Equ	-8	-8.19%	-0.79%	-1.33%	-20.35%	-7.87%	-21.53%
IGV	iShares North American Tech-Software	Technology Equities	-8	-1.21%	2.14%	1.45%	-34.65%	-8.65%	-41.80%
QQQ	PowerShares QQQ Trust, Series 1	Large Growth	-8	-2.78%	2.89%	-1.14%	-30.40%	-8.17%	-31.46%
IYZ	Down Jones US Telecom	Commun. Equities	-8	-2.63%	4.08%	0.05%	-32.60%	-12.19%	-39.30%
IYW	Dow Jones US Technology	Technology Equities	-8	-2.58%	3.46%	-0.22%	-32.88%	-9.26%	-34.18%
KBE	SPDR S&P Bank	Specialty-Financial	-8	-7.05%	-1.53%	-4.10%	-18.59%	-7.21%	-26.47%
IYC	iShares US Consumer Services	Consumer Discretionar	-9	-2.99%	1.08%	-2.81%	-29.60%	-7.25%	-78.65%
KRE	SPDR S&P Region.Banking	Specialty-Financial	-9	-8.19%	-3.74%	-6.25%	-18.94%	-8.74%	-27.10%
MGK	Vanguard Mega Cap Growth	Large Cap Growth Equi	-9	-2.71%	1.70%	-2.54%	-31.47%	-8.81%	-32.40%
DBEF	Deutsche X-Trackers MSCI EAFE Hedged	Foreign Large Cap Equ	-9	-11.90%	-4.58%	-4.77%	-16.12%	-9.01%	-17.53%
ILF	iShares S&P 40 Latin America	Latin America Stock	-11	-10.76%	-14.55%	-13.81%	-6.35%	-14.05%	-44.38%
VCR	Vanguard Consumer Discretionary	Consumer Discretionar	-11	-3.28%	-0.49%	-6.77%	-32.54%	-10.38%	-35.38%
SCHH	Schwab U.S. REIT	Real Estate	-12	1.38%	10.38%	1.07%	-62.25%	-8.17%	-62.25%
XLY	Consumer Discretionary Sec.*	Consumer Discretionar	-12	-3.08%	-1.38%	-8.95%	-33.25%	-11.62%	-35.46%
SCHA	Schwab U.S. Small-Cap	Small Cap Blend Equiti	-13	-3.02%	5.34%	4.29%	-60.11%	-3.43%	-62.91%
SCHX	Schwab U.S. Large-Cap	Large Cap Blend Equiti	-13	-1.63%	5.94%	3.46%	-59.75%	-3.65%	-60.02%
VOX	Vanguard Telecom Serv's	Communication Equitie	-13	-4.09%	-3.74%	-4.92%	-39.27%	-15.03%	-45.35%
SCHB	Schwab U.S. Broad Market	All Cap Equities	-13	-1.86%	5.85%	3.44%	-59.82%	-3.69%	-60.07%

Ticker	ETF Name	Orientation	M-Index	4 wk	8 wk	12 wk	YTD	%M/A	DD%
EWZ	iShares Brazil Index	Latin America Stock	-14	-10.58%	-19.78%	-18.14%	-6.09%	-16.73%	-45.55%
HEZU	iShares Currency Hedged MSCI Eurozone	Europe Equities	-14	-16.32%	-6.69%	-6.38%	-24.81%	-12.12%	-27.30%
HEFA	iShares Currency Hedged MSCI EAFE	Foreign Large Cap Equ	-15	-17.20%	-10.45%	-10.74%	-21.94%	-14.53%	-24.08%
EWT	iShares Taiwan Index	Pacific Asia/excl. Japan	-17	-15.39%	-1.70%	-11.22%	-38.34%	-20.10%	-39.40%
SCHG	Schwab U.S. Large-Cap Growth	Large Cap Growth Equi	-17	-2.55%	1.79%	-1.72%	-65.01%	-8.26%	-65.65%
RSX	Market Vectors Russia	Emerging Markets Equi	-20	0.00%	0.00%	0.00%	-78.81%	0.00%	-83.05%
HEWJ	iShares Currency Hedged MSCI Japan	Japan Equities	-29	-30.85%	-27.41%	-27.14%	-30.32%	-27.06%	-33.83%