

HV ETF Master List as of 07/20/2023

Ticker	ETF Name	Orientation	M-Index	4 wk	8 wk	12 wk	YTD	%M/A	DD%
SMH	VanEch Vectors Semiconductor	Technology Equities	22	1.93%	8.91%	25.81%	50.75%	24.48%	-4.55%
SOXX	iShares PHLX SOX Semiconductor Sector Index	Technology Equities	21	2.57%	10.11%	25.01%	45.44%	22.03%	-8.91%
IYW	Dow Jones US Technology	Technology Equities	20	2.96%	9.91%	19.63%	48.25%	24.72%	-5.69%
ITB	iShares DJ US Home Construction	Building and Constructi	20	5.69%	16.96%	16.15%	42.74%	25.25%	-2.72%
XHB	SPDR Series Trust SPDR Home Builders	Building & Construction	20	7.66%	18.37%	18.19%	36.94%	22.46%	-4.25%
IGV	iShares North American Tech-Software	Technology Equities	20	5.45%	13.30%	21.21%	39.94%	23.20%	-19.82%
VGT	Vanguard Info Technology	Technolgy Equities	18	3.42%	10.05%	17.96%	40.47%	21.45%	-3.74%
QQQ	PowerShares QQQ Trust, Series 1	Large Growth	18	2.89%	10.90%	17.61%	41.49%	21.64%	-6.74%
XLK	Technology Select *	Technology Equities	18	3.35%	9.98%	18.10%	41.61%	22.05%	-2.24%
SCHG	Schwab U.S. Large-Cap Growth	Large Cap Growth Equi	17	3.37%	10.81%	16.55%	37.63%	20.34%	-54.15%
IYT	Dow Jones Transportation	Transportation Equities	17	9.23%	16.33%	20.15%	22.57%	14.79%	-6.51%
MGK	Vanguard Mega Cap Growth	Large Cap Growth Equi	17	2.54%	9.94%	15.49%	38.65%	19.99%	-9.75%
VCR	Vanguard Consumer Discretionary	Consumer Discretionar	16	2.99%	15.21%	14.94%	31.27%	15.58%	-19.16%
XLY	Consumer Discretionary Sec.*	Consumer Discretionar	16	2.12%	15.13%	15.91%	32.35%	15.93%	-19.15%
VUG	Vanguard Growth	Large Cap Growth	16	2.99%	10.28%	14.98%	34.94%	18.46%	-11.70%
IWF	Russell 1000 Growth	Large Growth	15	3.11%	10.11%	14.36%	30.79%	17.11%	-9.47%
IYC	iShares US Consumer Services	Consumer Discretionar	14	3.49%	13.59%	12.60%	26.65%	13.45%	-73.96%
VOX	Vanguard Telecom Serv's	Communication Equitie	14	3.67%	8.93%	10.57%	32.10%	15.73%	-27.88%
FXD	First Trust Cons. Discret. AlphaDEX	Consumer Discretionar	13	7.70%	14.92%	11.13%	19.00%	11.31%	-12.58%
VXF	Vanguard Extended Markets VIPERS	Mid Cap Blend	13	6.53%	13.49%	13.96%	16.74%	10.34%	-22.45%
DXJ	Wisdom Tree Japan Hedged Equity	Japan Stock	12	-1.79%	7.05%	13.32%	28.20%	15.56%	-1.88%
ECH	iShares Chile Index	Latin America	12	9.27%	8.90%	11.27%	17.02%	13.05%	-43.56%
VIS	Vanguard Industrials	industrials Equities	12	5.65%	13.68%	13.01%	15.58%	11.40%	0.00%
IWO	Russell 2000 Growth	Small Growth	11	5.24%	11.32%	12.58%	16.60%	9.78%	-25.70%
IWB	Russell 1000 Index	Large Blend	11	3.94%	9.60%	10.18%	18.35%	11.36%	-6.38%
SCHX	Schwab U.S. Large-Cap	Large Cap Blend Equiti	11	3.82%	9.51%	10.23%	18.60%	11.46%	-53.26%
SPYG	S&P 500 Growth	Large Cap Growth	11	2.64%	8.26%	11.08%	22.10%	12.82%	-15.80%
VBK	Vanguard SmallCap Growth	Small Cap Growth	11	5.38%	11.02%	11.33%	17.61%	9.80%	-22.87%
SCHB	Schwab U.S. Broad Market	All Cap Equities	11	4.13%	9.75%	10.32%	18.10%	11.18%	-53.46%
IWP	Russell MidCap Growth	Mid-Cap Growth	11	5.15%	10.78%	11.27%	18.37%	10.85%	-19.73%
IWV	Russell 3000 Index	All Cap Equities	11	4.09%	9.79%	10.31%	17.98%	11.14%	-6.72%
SCHA	Schwab U.S. Small-Cap	Small Cap Blend Equiti	11	6.53%	12.21%	11.55%	12.32%	7.69%	-58.69%
QUAL	iShares Edge MSCI USA Quality Factor	All Cap Equities	11	3.69%	8.91%	10.36%	20.92%	12.73%	-5.81%
IVW	S&P 500/BARRA Growth	Large Growth	11	2.63%	8.32%	11.15%	22.14%	12.88%	-15.75%
IWM	Russell 2000	Small Blend	11	6.41%	12.01%	12.32%	11.88%	7.51%	-19.57%
VOOG	Vanguard S&P 500 Growth	Large Cap Growth Equi	11	2.39%	8.36%	11.16%	22.16%	12.86%	-15.77%
VOT	Vanguard Mid-Cap Growth	Mid-Cap Growth	11	5.39%	11.44%	11.58%	17.32%	10.41%	-20.65%
ITOT	iShares Core S&P Total U.S. Stock Market	All Cap Equities	11	4.03%	9.79%	10.38%	18.04%	11.15%	-7.00%
IUSG	iShares Core U.S. Growth	Large Cap Growth Equi	11	2.84%	8.50%	11.08%	21.65%	12.70%	-15.36%
EWV	iShares Mexico Index	Latin America Stock	10	1.81%	5.22%	5.55%	27.66%	10.29%	-1.88%
VBR	Vanguard SmallCap Value	Small Cap Value	10	7.04%	12.96%	10.98%	8.68%	6.52%	-7.07%

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IVV	S&P 500	Large Blend	10	3.60%	9.16%	9.75%	18.32%	11.31%	-5.26%
VB	Vanguard SmallCap	Small Cap Blend	10	6.25%	12.07%	11.12%	12.30%	7.87%	-13.89%
MDY	MidCap Trust Series I	Mid-Cap Blend	10	6.64%	11.90%	9.86%	11.76%	7.81%	-6.81%
URE	ProShares Ultra Real Estate	Leveraged Real Estate	10	11.52%	18.58%	5.41%	3.73%	1.60%	-48.38%
PEZ	PowerShares Consumer Cyclical	All Cap Equities	10	7.63%	11.52%	6.18%	13.19%	7.84%	-29.11%
FXO	1st Trust Financials AlphaDEX	Financial Equities	10	11.11%	15.73%	10.63%	0.61%	2.76%	-15.22%
XLI	Industrial Select Sector *	Industrial Equities	10	5.77%	12.77%	11.14%	12.08%	9.72%	0.00%
IJH	S&P MidCap 400	Mid-Cap Blend	10	6.73%	12.05%	10.07%	11.87%	7.93%	-6.86%
SCHM	Schwab U.S. Mid Cap	Mid Cap Blend Equities	10	6.19%	11.29%	9.81%	11.63%	7.53%	-12.17%
SPY	SPDR S&P 500	Large Cap Blend	10	3.59%	9.05%	9.64%	18.24%	11.21%	-5.34%
EWI	iShares Italy Index	Europe Stock	10	6.13%	8.94%	3.26%	22.16%	11.89%	-4.53%
XRT	SPDR S&P Retail *	Consumer Discretionar	10	7.05%	14.84%	8.65%	10.32%	5.04%	-35.97%
EWZ	iShares Brazil Index	Latin America Stock	10	-1.40%	9.78%	15.43%	15.55%	9.45%	-33.24%
IWR	Russell MidCap Index Fs	Mid-Cap Blend	10	6.22%	11.42%	9.39%	11.71%	7.82%	-66.38%
VV	Vanguard LargeCap	Large Cap Blend	10	3.34%	9.44%	10.07%	18.81%	11.50%	-6.67%
IYJ	Dow Jones US Industrial	Industrial Equities	10	5.86%	12.27%	10.33%	12.78%	9.39%	-43.62%
IYG	Dow Jones US Financial Serv's	Specialty-Financial	10	10.11%	13.24%	10.98%	7.07%	6.16%	-17.14%
VOO	Vanguard S&P 500	Large Cap Blend Equiti	10	3.20%	9.08%	9.69%	18.27%	11.18%	-5.40%
IJK	S&P MidCap 400/BARRA Growth	Mid-Cap Growth	10	6.43%	11.26%	9.59%	13.41%	8.78%	-69.86%
ILF	iShares S&P 40 Latin America	Latin America Stock	10	-0.18%	8.96%	12.63%	19.57%	9.78%	-30.71%
IJJ	S&P MidCap 400/BARRA Value	Mid-Cap Blend	10	7.00%	12.88%	10.43%	10.10%	6.91%	-35.86%
HEWJ	iShares Currency Hedged MSCI Japan	Japan Equities	10	-2.52%	4.65%	11.02%	25.57%	6.28%	-21.30%
VTI	Total Stock Market VIPERs	All Cap Equities	10	3.67%	9.67%	10.28%	17.97%	11.02%	-7.17%
IWN	Russell 2000 Value	Small Value	10	7.71%	12.45%	11.96%	6.92%	4.99%	-16.18%
IVE	S&P 500/BARRA Value	Large Value	9	4.71%	10.13%	8.15%	14.10%	9.39%	-0.33%
EWSP	iShares Spain Index	Europe Stock	9	4.51%	7.80%	1.69%	21.71%	11.36%	-18.79%
IJT	S&P SmallCap 600/BARRA Growth	Small Growth	9	5.58%	10.44%	12.00%	9.90%	6.52%	-43.19%
IJS	S&P SmallCap 600/BARRA Value	Small Value	9	7.32%	11.91%	9.95%	8.59%	4.93%	-42.77%
EWY	iShares S. Korea Index	Pacific Asia/excl. Japan	9	2.10%	6.37%	9.04%	16.86%	9.03%	-31.41%
PKW	PowerShares Buyback Achievers	All Cap Equities	9	6.81%	11.48%	8.86%	8.39%	7.12%	-5.47%
PDP	PowerShares DWA Momentum Portfolio	All Cap Equities	9	4.13%	9.37%	9.02%	14.30%	8.08%	-19.55%
IWS	Russell MidCap Value	Mid-Cap Value	9	6.66%	11.70%	8.25%	8.05%	6.03%	-7.91%
GSLC	Goldman Sachs ActiveBeta U.S. Large CaP	Large Cap Blend Equiti	9	3.25%	8.78%	8.89%	16.84%	10.30%	-6.98%
KBE	SPDR S&P Bank	Specialty-Financial	9	15.54%	17.67%	12.76%	-9.75%	-3.10%	-32.54%
IYF	Dow Jones US Financial Sector	Specialty-Financial	9	8.76%	12.35%	9.57%	5.00%	5.47%	-44.75%
IJR	S&P Sm.Cap 600	Small Blend	9	6.51%	11.13%	11.04%	9.28%	5.75%	-14.05%
SPHQ	PowerShares S&P 500 Quality Portfolio	Large Cap Blend Equiti	9	3.67%	8.32%	7.98%	16.86%	10.49%	-4.28%
VO	Vanguard Mid-Cap	Mid-Cap Blend	9	5.65%	11.57%	9.37%	11.36%	7.68%	-13.10%
FNDX	Schwab Fundamental U.S. Large Company Index	Large Cap Value Equiti	8	4.45%	9.03%	6.79%	10.29%	6.93%	-1.60%
VFH	Vanguard Financials	Financials Equities	8	8.03%	12.36%	9.46%	4.07%	4.53%	-15.38%
VOE	Vanguard Mid Cap Value	Mid-Cap Value	8	5.95%	11.74%	7.34%	6.14%	5.15%	-6.28%
INDY	iShares S&P India Nifty 50 Index Fund	Emerging Markets Equi	8	4.53%	8.23%	8.71%	9.12%	7.29%	-13.99%
VT	Vanguard Total World Stock Index	Global Equities	8	3.43%	7.54%	6.75%	15.00%	8.78%	-9.26%
PIN	PowerShares India Portfolio	Emerging Markets Equi	8	3.48%	8.71%	10.50%	10.19%	5.34%	-55.56%

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REZ	iShares Residential Real Estate Capped	Specialty-Real Estate	8	6.05%	9.95%	5.59%	10.26%	5.26%	-24.03%
FM	iShares MSCI Frontier 100 Fund	Emerging Markets Equi	8	5.60%	9.67%	8.58%	7.30%	7.38%	-24.83%
RSP	Guggenheim S&P Equal Weight	Large Blend	8	5.38%	9.98%	7.20%	8.95%	6.21%	-6.28%
FEX	First Trust Large Cap Core AlphaDEX	Large Cap Blend Equity	8	5.51%	10.91%	8.57%	8.03%	6.23%	-6.97%
RWR	Wilshire REIT Fund	Real Estate	8	7.49%	10.39%	6.31%	7.49%	4.37%	-23.31%
XLF	Financial Select Sector *	Financial Equities	8	7.60%	11.08%	7.93%	3.45%	4.12%	-14.58%
EWT	iShares Taiwan Index	Pacific Asia/excl. Japan	8	-0.48%	4.07%	8.98%	18.45%	5.36%	-29.81%
DES	Wisdom Tree SmallCap Div.	Small Cap Value	8	6.65%	12.21%	9.12%	6.01%	3.86%	-64.71%
AGQ	ProShares Ultra Silver	Leveraged Commoditie	8	21.31%	16.31%	-4.65%	-1.28%	9.42%	-54.68%
ACWI	iShares MSCI ACWI	Global Equities	8	3.21%	7.09%	6.40%	15.39%	8.92%	-8.66%
DON	Wisdom Tree MidCap Div.	Mid-Cap Value	8	6.71%	11.46%	7.89%	6.34%	4.85%	-56.88%
CWB	SPDR Barclays Convertible Securities	Convertible Bonds	7	2.63%	7.18%	8.02%	10.49%	6.37%	-22.90%
INDA	iShares MSCI India	Emerging Markets Equi	7	3.70%	7.58%	9.33%	6.73%	7.17%	-12.27%
IWD	Russell 1000 Value	Large Value	7	4.89%	9.07%	5.79%	6.84%	5.43%	-4.97%
FV	First Trust Dorsey Wright Focus 5	Large Cap Value Equiti	7	4.46%	10.08%	9.05%	2.73%	3.47%	-7.18%
KRE	SPDR S&P Region.Banking	Specialty-Financial	7	16.96%	18.02%	12.02%	-20.04%	-9.85%	-40.38%
KIE	SPDR S&P Insurance	Specialty-Financial	7	6.33%	9.82%	6.15%	3.76%	4.03%	-54.72%
XLB	Materials Select Sector *	Materials	7	4.26%	10.39%	5.17%	7.80%	4.64%	-7.58%
IYR	Dow Jones US Real Estate	Real Estate	7	6.52%	10.20%	4.80%	5.39%	3.45%	-23.60%
RPV	Guggenheim S&P 500 Pure Value	Large Value	7	6.32%	11.81%	7.14%	2.71%	2.12%	-10.44%
VAW	Vanguard Materials VIPERS	Materials	7	4.48%	10.69%	5.93%	8.57%	5.03%	-7.37%
FEZ	SPDR Euro Stoxx 50	Europe Stock	7	3.06%	3.89%	-0.17%	19.95%	8.87%	-5.94%
EWN	iShares Netherlands Index	Europe Stock	7	3.34%	4.13%	3.96%	17.83%	8.34%	-18.41%
XME	SPDR S&P Metals & Mining	Commodity Producers	7	5.34%	14.27%	5.15%	4.48%	1.19%	-20.97%
IYM	Dow Jones US Basic Mat's	Materials	7	4.57%	10.05%	4.07%	8.13%	3.98%	-12.41%
SCHC	Schwab International SmallCap Equ.	Foreign Small/Mid Blen	7	4.94%	7.08%	3.50%	11.95%	6.79%	-20.08%
NOBL	ProShares S&P 500 Dividend Aristocrats	Large Cap Value Equiti	6	4.31%	8.68%	4.21%	6.97%	5.38%	-2.47%
VLUE	iShares Edge MSCI USA Value Factor	Large Cap Value Equiti	6	4.53%	9.37%	6.34%	5.42%	3.32%	-16.39%
EWJ	iShares Japan Index	Japan Stock	6	0.05%	4.05%	5.34%	14.77%	8.66%	-15.70%
SCHH	Schwab U.S. REIT	Real Estate	6	6.38%	9.05%	3.52%	3.68%	2.00%	-62.04%
VSS	Vanguard FTSE All-Wld ex-US SmCP Idx	Foreign Small & Mid Ca	6	4.00%	6.54%	3.62%	11.38%	6.24%	-19.37%
DBA	PowerShares DB Agriculture Fd	Agriculture Commoditie	6	0.46%	8.09%	5.10%	9.43%	8.15%	-3.96%
VIG	Vanguard Div. Appreciation	Large Cap Value Equiti	6	3.18%	8.07%	5.83%	8.85%	6.87%	-4.02%
IEO	iShares DJ Oil & Gas Expl.&Prod.	Energy Equities	6	10.22%	9.59%	7.01%	-3.12%	0.07%	-15.08%
EWC	iShares Canada Index	Foreign Large Cap Equ	6	4.36%	6.54%	2.38%	9.01%	4.04%	-12.25%
RWO	SPDR DJ Wilshire Global Real Estate	Global Real Estate	6	7.03%	8.66%	3.68%	4.65%	2.92%	-24.31%
KBWB	PowerShares KBW Bank Portfolio	Financials Equities	6	13.16%	14.12%	10.37%	-12.19%	-5.74%	-40.16%
PXF	PowerShares FTSE RAFI Developed Markets	Foreign Large Cap Equ	6	3.74%	5.66%	2.14%	11.39%	6.48%	-8.16%
FXN	1st Trust Energy AlphaDEX	Energy Equities	6	9.30%	9.73%	8.36%	-3.69%	-0.13%	-15.15%
VNQ	Vanguard REIT Index	Real Estate	6	5.58%	9.41%	4.24%	4.00%	2.03%	-26.06%
VEA	Vanguard FTSE Developed Markets	Foreign Large Cap	6	2.85%	4.86%	1.90%	12.53%	6.54%	-11.60%
DGRO	iShares Core Dividend Growth	Large Cap Value Equiti	6	4.06%	7.64%	4.74%	5.66%	4.97%	-5.76%
EZU	European Monetary Union Index	Europe Stock	6	3.56%	4.23%	-0.02%	18.04%	8.29%	-9.59%
EWQ	iShares France Index	Europe Stock	6	4.34%	4.28%	-1.38%	18.33%	8.60%	-3.11%

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VGK	Vanguard European	Europe Equities	5	3.71%	3.88%	-0.28%	14.00%	6.75%	-10.48%
IXUS	iShares Core MSCI Total International Stock	Global Equities	5	2.58%	4.28%	1.59%	10.61%	5.54%	-15.24%
IEMG	iShares Core MSCI Emerging Markets	Emerging Markets Equi	5	1.74%	5.41%	4.05%	7.71%	4.22%	-27.58%
VEU	Vanguard FTSE All-World ex-US	Global Equities	5	2.43%	4.71%	2.11%	10.75%	5.60%	-14.94%
ACWX	iShares MSCI ACWI ex US	Global Equities	5	2.59%	4.29%	1.45%	10.62%	5.50%	-14.90%
VPL	Vanguard Pacific ETF	Asia Pacific Equities	5	1.04%	4.51%	4.08%	10.52%	6.06%	-16.97%
VTV	Vanguard Value	Large Cap Value	5	3.77%	8.34%	4.77%	4.00%	4.19%	-3.20%
IHI	iShares DJ US Medical Devices	Health & Biotech Equiti	5	2.20%	7.52%	1.57%	8.56%	6.52%	-84.64%
DBJP	Deutsche X-Trackers MSCI Japan Hedged	Japan Equities	5	-6.94%	-0.09%	6.22%	20.19%	8.67%	-6.94%
IEV	S&P Europe 350 Index	Europe Stock	5	3.32%	3.16%	-0.94%	13.91%	6.61%	-7.48%
EWG	iShares Germany Index	Europe Stock	5	2.40%	2.62%	-0.89%	17.39%	7.25%	-20.42%
IEFA	iShares Core MSCI EAFE	Foreign Large Cap Equ	5	2.62%	3.43%	0.32%	11.97%	6.12%	-11.74%
ICF	Cohen & Steers Realty	Real Estate	5	5.75%	9.15%	2.89%	3.37%	1.83%	-55.00%
DIA	SPDR Dow Jones Industrial Average	Large Cap Value	5	3.86%	7.53%	4.21%	6.37%	5.32%	-4.20%
EFA	MSCI EAFE iShares Index Fd	Foreign Large Cap Equ	5	2.43%	3.35%	0.24%	12.48%	6.29%	-10.11%
EZA	iShares South Africa Index	Emerging Markets Equi	5	6.66%	14.86%	-0.37%	0.78%	1.95%	-43.75%
EFV	MSCI EAFE iShares Value Index	Foreign Large Cap Equ	5	4.30%	4.99%	0.96%	10.53%	6.38%	-14.87%
EWK	iShares Belgium Index	Europe Stock	5	7.58%	6.51%	-0.26%	6.86%	5.94%	-17.49%
VXUS	Vanguard Total International Stock	Global Equities	5	2.47%	4.79%	2.08%	10.79%	5.64%	-15.11%
SLV	iShares Silver Trust	Precious Metals	5	10.47%	8.72%	-0.92%	3.00%	7.26%	-16.00%
SCHV	Schwab U.S. Large-Cap Value	Large Cap Value Equiti	5	4.45%	8.39%	4.56%	4.09%	3.75%	-7.37%
SCHF	Schwab International Equity	Foreign Large Cap Equ	5	2.71%	4.57%	1.73%	12.98%	6.58%	-10.90%
GSG	iShares GSCI Commodity Index	Commodities.	4	4.97%	7.99%	5.35%	-2.59%	1.27%	-21.49%
SCHD	Schwab US Dividend Equity	All Cap Equities	4	4.73%	7.41%	4.15%	-0.98%	1.08%	-8.71%
MOO	VanEck Vectors Agribusiness	Commodity Producers	4	5.08%	8.37%	1.30%	0.16%	-0.40%	-20.63%
IGE	iShares North American Natural Resources	Commodity Producers	4	6.96%	7.48%	2.24%	-1.38%	0.20%	-11.73%
FXB	CurrencyShares British Pound	Currency	4	1.02%	4.42%	2.95%	6.58%	5.05%	-14.90%
PCY	PowerShares Emerging Markets Sovereign Debt P	Emerging Markets Bon	4	2.24%	5.87%	3.36%	5.30%	3.56%	-36.48%
ITA	iShares DJ US Aerospace&Defense	Industrials Equities	4	2.18%	7.35%	3.05%	4.60%	3.90%	-51.21%
USMV	iShares Edge MSCI Min Vol USA	All Cap Equities	4	2.73%	5.49%	2.73%	4.55%	3.86%	-6.98%
HEDJ	WisdomTree Europe Hedged Equity	Europe Equities	4	-0.15%	0.41%	-1.40%	16.72%	4.99%	-2.57%
VYM	Vanguard High Div. Yield Index	Large Cap Value	4	4.52%	7.43%	3.13%	0.94%	2.09%	-5.03%
HEZU	iShares Currency Hedged MSCI Eurozone	Europe Equities	4	0.34%	0.94%	-0.25%	15.44%	2.44%	-17.64%
VWO	Vanguard Emerging Markets	Emerging Markets Equi	4	1.57%	5.51%	3.40%	6.11%	3.24%	-26.78%
IHF	iShares DJ US Healthcare Provid's	Health & Biotech Equiti	4	4.69%	8.61%	3.28%	-1.27%	2.00%	-10.68%
GDXJ	VanEck Vectors Junior Gold Miners	Commodity Producers	4	7.90%	5.38%	-5.21%	6.56%	3.41%	-40.69%
SCZ	iShares MSCI EAFE Small-Cap	Foreign Small & Mid Ca	4	3.66%	4.30%	0.84%	8.25%	4.74%	-22.69%
DWX	SPDR S&P International Dividend	Foreign Large Cap Equ	4	3.26%	3.50%	0.00%	9.68%	5.21%	-17.39%
FTGC	First Trust Global Tactical Commodity Strategy	Commodities	4	3.00%	8.38%	4.97%	-1.76%	-0.19%	-23.52%
SCHE	Schwab Emerging Markets Equity	Emerging Markets Equi	4	1.70%	5.56%	3.51%	5.91%	2.98%	-27.61%
EEM	iShares Emerging Mkts Index	Emerging Mkts Equities	4	1.58%	5.38%	3.72%	6.54%	3.47%	-30.33%
EFG	iShares MSCI EAFE Growth Index	Foreign Large Cap Equ	4	0.60%	1.90%	-0.30%	14.08%	6.06%	-16.14%
XMLV	PowerShares S&P MidCap Low Volatility Portfolio	Mid Cap Blend Equities	4	5.25%	7.36%	2.88%	0.09%	1.07%	-8.54%
EWD	iShares Sweden Index	Europe Stock	4	3.35%	4.35%	-3.56%	10.67%	3.77%	-27.56%

Ticker	ETF Name	Orientation	M-Index	4 wk	8 wk	12 wk	YTD	%M/A	DD%
DEM	WisdomTree Emerg. Mkts Hi-Yld E.	Emerging Mkts Equities	4	-0.76%	4.65%	2.97%	9.88%	4.90%	-22.12%
EWL	iShares Switzerland Index	Europe Stock	4	3.72%	1.07%	-0.88%	13.00%	6.34%	-10.64%
SDY	SPDR Dividend ETF	Large Value	3	4.65%	6.67%	1.57%	0.81%	1.31%	-4.70%
IAU	iShares Gold Trust	Precious Metals	3	2.84%	1.44%	-1.06%	7.81%	4.41%	-5.40%
HEFA	iShares Currency Hedged MSCI EAFE	Foreign Large Cap Equ	3	-1.08%	0.50%	0.40%	12.26%	1.55%	-16.57%
SPHD	PowerShares S&P 500 HiDivLowVol	Large Cap Value	3	4.49%	8.14%	1.02%	-3.29%	-0.85%	-13.91%
HEWG	iShares Currency Hedged MSCI Germany	Europe Equities	3	-1.78%	-0.93%	-1.43%	14.67%	3.83%	-8.99%
SDOG	ALPS Sector Dividend Dogs	Large Cap Value Equiti	3	4.06%	7.42%	0.12%	-0.89%	-0.58%	-11.26%
DJP	Bloomberg Commodity Index	Commodities	3	3.63%	9.05%	4.26%	-4.18%	0.42%	-21.60%
GLD	SPDR Gold Shares	Precious Metals	3	2.83%	1.41%	-1.09%	7.72%	4.37%	-5.75%
GDX	Mkt Vector Gold Miners	Specialty-Precious Met	3	5.16%	3.73%	-7.27%	9.53%	3.63%	-29.51%
FXE	CurrencyShares Euro Currency Trust	Currency	3	1.50%	3.83%	0.92%	4.03%	4.14%	-14.68%
EPHE	iShares MSCI Philippines	Emerging Markets Equi	3	5.13%	2.80%	0.15%	2.48%	1.39%	-33.55%
EWA	iShares Australia Index	Asia Pacific Equities	3	2.20%	5.26%	0.43%	4.45%	1.49%	-15.19%
FXG	1st Trust Consumer Staples	Consumer Staples Equi	3	3.56%	3.93%	1.20%	2.39%	2.51%	-5.37%
EWU	iShares United Kingdom Index	Europe Stock	3	2.82%	3.23%	-1.57%	8.32%	4.30%	-12.33%
GNR	SPDR S&P Global Natural Resources	Commodity Producers	3	5.50%	7.04%	0.07%	-1.02%	-0.67%	-13.54%
AAXJ	iShares MSCI All Country Asia ex Japan	Asia Pacific	3	1.11%	4.18%	1.88%	4.37%	2.07%	-33.76%
VDE	Vanguard Energy VIPERS	Energy Equities	3	6.65%	6.68%	1.36%	-3.83%	-1.00%	-11.56%
MTUM	iShares Edge MSCI USA Momentum Factores	All Cap Equities	3	2.62%	6.42%	3.03%	-0.18%	1.93%	-24.82%
VNQI	Vanguard Global ex-U.S. Real Estate	Global Real Estate	3	4.54%	6.53%	0.24%	1.48%	1.56%	-35.60%
PEY	PowerShares Hi Yields Div. Achiev's	Mid-Cap Value	3	5.99%	8.35%	1.01%	-3.38%	-0.82%	-11.08%
IYH	Dow Jones US Healthcare	Specialty-Health	2	1.34%	5.37%	1.72%	-0.07%	2.16%	-6.09%
FXU	1st Trust Utilities AlphaDEX	Utilities Equities	2	3.57%	6.37%	-0.78%	-0.51%	1.26%	-8.48%
PZA	Pshares Insured National Munis	National Munis	2	1.02%	3.03%	0.72%	3.71%	1.94%	-13.55%
IFGL	iShares FTSE EPRA/NAREIT Global Real Estate	Global Real Estate	2	5.06%	4.23%	-1.50%	-0.47%	0.23%	-33.90%
VHT	Vanguard Health Care	Health & Biotech Equiti	2	1.08%	5.30%	1.97%	0.11%	2.08%	-7.17%
XLE	Energy Select Sector *	Energy Equities	2	7.24%	5.67%	-0.32%	-4.47%	-1.56%	-11.18%
IYZ	Down Jones US Telecom	Commun. Equities	2	4.17%	5.91%	0.54%	-0.94%	-1.58%	-39.19%
RING	iShares MCSI Global Gold Miners Fund	Commodity Producers	2	4.86%	3.51%	-7.82%	8.28%	3.05%	-34.47%
DBC	PowerShares DB Commodity Index	Commodities	2	3.45%	6.63%	2.66%	-2.80%	-0.04%	-21.52%
IHDG	WisdomTree International Hedged Dividend Growt	Foreign Large Cap Equ	2	-0.68%	0.03%	-1.86%	11.37%	2.05%	-14.56%
DFE	Wisdom Tree Europe SmCap Div.	Europe Stock	2	1.38%	2.54%	-3.56%	6.09%	1.81%	-26.62%
DHS	Wisdom Tree High-Yield Equity	Large Cap Value	2	4.20%	6.85%	0.64%	-4.67%	-1.84%	-10.03%
VDC	Vanguard Consumer Staples	Consumer Staples Equi	2	0.85%	3.50%	-0.98%	3.07%	2.61%	-5.21%
DVY	iShares Select Dividend Index	Large Cap Value	2	4.67%	7.23%	0.27%	-2.92%	-0.95%	-11.40%
XPH	SPDR Pharmaceuticals	Health & Biotech Equiti	2	-0.21%	5.37%	0.38%	2.15%	0.38%	-25.32%
JNK	Barclays Cap. High Yield Bond	High Yield Bond	2	1.18%	2.27%	0.14%	2.51%	0.77%	-71.60%
EMB	iShares Emerging Markets Bond	Emerging Market Bond	2	0.91%	3.37%	1.60%	2.53%	1.74%	-26.48%
IXC	S&P Global Energy	Energy Equities	2	5.43%	4.20%	-1.04%	-1.92%	-0.88%	-10.23%
IXJ	S&P Global Healthcare	Health & Biotech Equiti	2	1.67%	3.75%	0.45%	1.71%	2.69%	-29.85%
SPLV	PowerShares S&P 500 Low Volat.	Large Cap Blend	2	2.10%	5.27%	0.00%	-0.20%	1.63%	-8.14%
XLV	Health Care Select SPDR *	Health & Biotech Equiti	2	1.84%	5.55%	1.87%	-0.71%	1.97%	-5.57%
ACWW	iShares Edge MSCI Min Vol Global	Global Equities	2	1.68%	2.61%	0.14%	4.60%	3.08%	-8.21%

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BBH	VanEck Vectors Biotech	Health & Biotech	2	1.81%	4.05%	2.26%	1.28%	0.56%	-26.71%
IDV	iShares International Select Dividend	Foreign Large Cap Equ	2	4.50%	3.32%	-2.46%	0.85%	0.72%	-23.66%
VWOB	Vanguard Emerging Markets Gov Bonds	Emerging Markets Bon	2	0.60%	3.03%	1.02%	2.10%	1.31%	-25.23%
BKLN	PowerShares Exchange-Traded Fund Trust	High Yield Bonds	2	1.20%	2.38%	0.81%	2.58%	0.86%	-10.08%
HDV	iShares Core High Dividend	Large Cap Value Equiti	2	3.60%	5.25%	1.02%	-1.20%	0.61%	-6.30%
BWX	SPDR Lehman Intl Treasury Bond	World Gov Bond	2	1.60%	3.15%	-0.13%	2.18%	1.52%	-27.12%
IYE	Dow Jones US Energy	Specialty-Natural Res.	2	7.43%	6.37%	0.80%	-4.78%	-1.60%	-12.34%
PHB	PowerShares High Yield Corp Bond	High Yield Bonds	2	1.50%	2.21%	0.86%	2.63%	1.40%	-10.68%
XBI	SPDR Series Trust SPDR S&P Biotech	Health & Biotech Equiti	2	-2.61%	0.93%	7.02%	1.60%	1.77%	-51.53%
XLP	Consumer Staples Select *	Consumer Staples	1	1.48%	2.99%	-2.16%	1.10%	1.59%	-6.45%
IYK	Dow Jones US Cons. Goods	Consumer Staples Equi	1	1.56%	3.43%	-1.04%	0.48%	2.02%	-4.52%
RWX	SPDR DJ Wil Intern. RE	Real Estate	1	5.70%	3.86%	-2.95%	-1.57%	-0.63%	-38.88%
FXH	1st Trust Health Care AlphaDEX	Health & Biotech Equiti	1	0.03%	5.53%	-0.18%	-0.74%	0.35%	-15.76%
EWS	iShares Singapore Index	Pacific Asia/excl. Japan	1	3.05%	1.32%	-2.48%	2.39%	0.78%	-31.68%
HYS	PIMCO 0-5 Year High Yield Corp Bond	High Yield Bonds	1	0.77%	1.80%	0.40%	2.07%	0.76%	-10.62%
FDL	1st Trust Morningstar Div. Lead's	Large Cap Value	1	3.29%	4.99%	-0.99%	-3.91%	-2.02%	-10.34%
IDU	Dow Jones US Utilities	Utilities Equities	1	2.52%	5.09%	-1.19%	-2.82%	0.33%	-52.50%
FBT	1st Trust Biotechnology Index	Health & Biotech Equiti	1	-1.45%	1.91%	3.61%	1.89%	1.36%	-15.03%
SJNK	SPDR Barclays Short Term High Yield Bond	High Yield Bonds	1	0.82%	1.64%	0.28%	1.98%	0.62%	-12.15%
LQD	iShares iBoxx \$ Liquid Invest. Gr.	Corporate Bonds	1	0.35%	1.66%	-1.19%	2.23%	0.30%	-22.54%
JXI	iShares S&P Global Utilities	Utilities Equities	1	1.85%	3.53%	-2.45%	1.30%	1.86%	-9.69%
EPP	iShares Pacific ex. Japan Index Fund	Pacific Asia/excl. Japan	1	1.50%	3.37%	-1.93%	0.96%	-0.11%	-19.96%
IHE	iShares DJ US Pharmaceuticals	Health & Biotech Equiti	1	0.46%	4.76%	0.39%	-2.94%	0.19%	-10.49%
PJP	Dynamic Pharmaceuticals	Health & Biotech Equiti	1	1.02%	3.73%	0.76%	-1.56%	0.39%	-7.39%
IBB	Nasdaq Biotechnology	Health & Biotech Equiti	1	0.32%	2.70%	0.82%	-0.78%	-0.30%	-61.78%
BAB	PowerShares Build America Bond Portfolio	National Munis	1	0.23%	1.14%	-0.97%	3.23%	0.57%	-23.38%
HYG	iShares Lehman Hi-Yield Corp.	High Yield Bond	1	1.16%	2.19%	0.19%	2.11%	0.68%	-15.50%
VRP	PowerShares Variable Rate Preferred Portfolio	Preferred Stock	1	1.67%	2.51%	1.08%	0.40%	0.33%	-15.07%
MUB	iShares S&P National Muni Bond	National Munis	1	0.40%	1.53%	0.24%	1.47%	0.82%	-9.22%
PFF	iShares S&P Preferred Stock	Preferred Stock/Conver	1	1.18%	2.87%	-1.15%	0.95%	-1.46%	-23.49%
BNDX	Vanguard Total International Bond	Total Bond Market	1	0.25%	0.87%	0.29%	2.68%	0.40%	-17.76%
VCLT	Vanguard Long-Term Corporate Bond	Corporate Bonds	1	0.49%	2.98%	-1.30%	3.12%	0.33%	-30.89%
PGX	PowerShares Preferred Portfolio	Preferred Stock/Conver	1	1.34%	2.17%	-2.16%	1.25%	-2.65%	-26.83%
SHYG	iShares 0-5 Year High Yield Corporate Bond	High Yield Bonds	1	0.90%	1.72%	0.22%	1.49%	0.51%	-13.60%
GUNR	FlexShares Global Upstream Natural Resources	Commodity Producers	1	4.18%	5.88%	-1.56%	-4.26%	-2.13%	-14.94%
BLV	Vanguard Long Term Bond	Long-Term Bond	1	-0.07%	2.03%	-2.22%	2.54%	-0.44%	-36.80%
TUR	iShares Turkey Investment Index	Emerging Markets Equi	1	12.98%	9.51%	-2.15%	-15.05%	-2.89%	-33.30%
TOTL	SPDR DoubleLine Total Return Tactical	Total Bond Market	0	-0.02%	0.52%	-1.10%	0.97%	-0.36%	-19.70%
DBEF	Deutsche X-Trackers MSCI EAFE Hedged	Foreign Large Cap Equ	0	-3.69%	-2.17%	-2.28%	9.25%	-0.08%	-11.84%
BOND	PIMCO Total Return Active Exchange-Traded	Total Bond Market	0	0.03%	0.77%	-1.23%	1.15%	-0.18%	-19.14%
TLT	iShares 20+ Treas. Bd	Government Bonds	0	-0.60%	1.42%	-2.93%	2.15%	-1.38%	-40.72%
VCIT	Vanguard Intermediate-Term Corporate Bond	Corporate Bonds	0	0.32%	0.86%	-1.21%	1.92%	0.27%	-18.70%
FXI	iShares China 25 Index	China Equities	0	0.58%	4.59%	-2.09%	-2.47%	-1.96%	-49.33%
SIL	Global X Silver Miners	Commodity Producers	0	7.42%	4.01%	-8.66%	-2.31%	-2.85%	-48.65%

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VCSH	Vanguard Short-Term Corporate Bond	Corporate Bonds	0	0.17%	0.21%	-0.68%	0.72%	0.18%	-9.03%
FTSM	First Trust Enhanced Short Maturity	Total Bond Market	0	0.03%	-0.05%	-0.17%	0.30%	0.16%	-1.00%
FPE	First Trust Preferred Securities and Income	Preferred Stock	0	1.64%	2.87%	1.32%	-3.87%	-2.82%	-22.17%
DBEU	Deutsche X-Trackers MSCI Europe Hedged	Europe Equities	0	-1.92%	-2.16%	-3.64%	8.50%	1.54%	-4.43%
FLT	Fidelity Limited Term Bond	Corporate Bonds	0	0.10%	0.06%	-0.66%	0.52%	0.02%	-8.81%
FLOT	iShares Floating Rate Bond	Corporate Bonds	0	0.04%	0.16%	0.22%	0.79%	0.55%	-0.70%
ZROZ	PIMCO 25 Yr Zero Coupon US Treas Idx Exchg-Tr	Government Bonds	0	-1.29%	2.68%	-3.32%	2.75%	-2.24%	-52.77%
SCHZ	Schwab US Aggregate Bond	Total Bond Market	0	-0.13%	0.41%	-1.60%	0.88%	-0.46%	-19.10%
AGG	iShares Lehman Aggregate Bond	Intermediate-Term Bon	0	-0.05%	0.44%	-1.54%	0.96%	-0.36%	-18.15%
BIV	Vanguard Intermed. Term Bond	Intermediate-Term Bon	0	-0.04%	0.08%	-1.83%	1.17%	-0.37%	-20.32%
BSV	Vanguard Short Term Bond	Total Bond Market	0	0.04%	-0.18%	-1.10%	0.49%	-0.11%	-9.18%
BND	Vanguard Total Bond Market	Intermediate-Term Bon	0	-0.04%	0.47%	-1.49%	1.02%	-0.31%	-18.90%
SHY	iShares Lehman 1-3 Year Treasury	Government Bonds	0	-0.02%	-0.41%	-1.17%	-0.05%	-0.42%	-6.53%
TIP	iShares TIPS Bond Fd	Inflation-Protected Bon	0	-0.02%	0.01%	-2.22%	1.10%	-0.40%	-17.77%
VTIP	Vanguard Short-Term Inflation-Protected Securities	Inflation-Protected Bon	0	-0.55%	-0.40%	-1.23%	1.07%	-0.45%	-10.59%
PGF	PowerShares Fin. Preferred Portf.	Specialty-Financial	0	0.91%	1.34%	-2.90%	0.00%	-2.87%	-26.27%
GVI	iShares Lehman Inter. Govt/Credit	Total Bond Market	0	-0.05%	-0.14%	-1.40%	0.57%	-0.30%	-12.94%
GOVT	iShares Core U.S. Treasury Bond	Government Bonds	0	-0.22%	-0.09%	-1.84%	0.70%	-0.59%	-19.15%
VPU	Vanguard Utilities VIPERS	Utilities Equities	0	1.38%	4.28%	-2.27%	-4.45%	-0.97%	-13.50%
TLH	iShares Lehman 10-20 Yr Treasury	Government Bonds	0	-0.81%	0.76%	-3.11%	1.35%	-1.32%	-36.38%
EDV	Vanguard Extended Duration Treasury	Government Bonds	0	-1.57%	1.82%	-3.78%	2.46%	-2.31%	-52.42%
RSX	Market Vectors Russia	Emerging Markets Equi	0	0.00%	0.00%	0.00%	-0.53%	-0.16%	-83.14%
XLU	Utilities Select Sector *	Utilities Equities	0	2.20%	4.43%	-2.36%	-4.33%	-0.70%	-13.66%
VGSH	Vanguard Short-Term Government	Government Bonds	0	-0.09%	-0.45%	-1.21%	-0.12%	-0.47%	-7.36%
TBF	ProShares Short 20+Year Treasury	Inverse Bonds	0	0.92%	-2.09%	2.38%	-3.09%	0.29%	-10.90%
SCHP	Schwab U.S. TIPS	Inflation-Protected Bon	0	-0.02%	-0.06%	-1.98%	1.24%	-0.43%	-17.94%
VGIT	Vanguard Intermediate-Term Gov Bonds	Government Bonds	-1	-0.19%	-0.51%	-2.09%	0.36%	-0.75%	-17.16%
TBT	ProShares UltraShort Lehman 20 Yr Treas	Leveraged Bonds	-1	1.31%	-3.68%	4.77%	-7.35%	-0.23%	-29.42%
IEF	iShares Lehman 7-10 Yr Treasury	Government Bonds	-1	-0.35%	-0.40%	-2.66%	0.61%	-1.08%	-21.70%
SCHR	Schwab Intermediate-Term U.S. Treasury	Government Bonds	-1	-0.24%	-0.56%	-2.18%	0.12%	-0.90%	-16.40%
UUP	PowerShares DB US Dollar Bullish	Currency	-1	-1.13%	-2.52%	0.61%	0.25%	-1.26%	-9.10%
MCHI	iShares MSCI China	China Equities	-1	0.58%	3.42%	-4.38%	-4.44%	-4.03%	-53.30%
IEI	iShares Lehman 3-7 Yr. Treasury	Government Bonds	-1	-0.13%	-0.53%	-1.90%	0.48%	-0.55%	-13.91%
SCHO	Schwab Short-Term U.S. Treasury	Government Bonds	-1	-0.10%	-0.52%	-1.27%	-0.35%	-0.63%	-7.08%
FXI	CurrencyShares Japanese Yen Trust	Currency	-2	2.06%	-0.11%	-4.60%	-6.68%	-2.91%	-31.38%
EWM	iShares Malaysia Index	Emerging Markets Equi	-2	3.21%	0.92%	-4.26%	-8.41%	-4.35%	-42.64%
ASHR	Deutsche X-Trackers China A-Shares	China Equities	-3	0.07%	-0.07%	-6.58%	-3.68%	-5.24%	-41.83%
THD	iShares Thailand Capped Invest Mrkt Idx	Emerging Markets Equi	-3	3.33%	-0.70%	-3.86%	-9.20%	-5.12%	-32.89%
IVOV	Vanguard S&P Mid-Cap 400 Value	Mid Cap Value Equities	-3	7.15%	13.36%	10.92%	-44.41%	-30.65%	-51.79%
EWK	iShares Hong Kong Index	China Equities	-4	-1.89%	0.05%	-7.43%	-8.71%	-5.12%	-31.74%
EFZ	ProSharesShort MSCI EAFE	Inverse Equities	-5	-1.94%	-5.10%	-1.72%	-11.55%	-7.18%	-50.43%
DOG	ProShares Short Dow 30	Bear Market	-5	-3.12%	-7.07%	-3.77%	-4.95%	-4.58%	-64.58%
PPLT	ETFS Physical Platinum Shares	Precious Metals	-6	3.59%	-6.65%	-11.61%	-10.97%	-4.45%	-25.99%
UNG	U.S. Natural Gas Fund	Oil & Gas	-8	1.53%	7.69%	5.81%	-48.37%	-33.42%	-91.76%

Ticker	ETF Name	Orientation	M-Index	4 wk	8 wk	12 wk	YTD	%M/A	DD%
SH	Short S&P 500 ProShares ETF	Inverse Equities	-9	-2.84%	-8.63%	-8.69%	-14.78%	-10.05%	-67.20%
RWM	ProShares Short Russell2000	Inverse Equities	-10	-5.71%	-11.24%	-11.24%	-10.73%	-7.52%	-65.20%
PSQ	ProShares Short QQQ	Inverse Equities	-14	-2.26%	-10.34%	-15.10%	-29.35%	-18.90%	-81.30%
HDGE	Ranger Equity Bear	Inverse Equities	-21	-11.78%	-20.92%	-21.59%	-28.63%	-20.57%	-81.73%
PRF	PowerShares FTSE RAFI US 1000	Large Cap Value	-79	-79.07%	-78.16%	-78.66%	-78.36%	-78.79%	-80.87%
RPG	Guggenheim S&P 500 Pure Growth	Large Growth	-79	-79.07%	-78.53%	-79.28%	-79.42%	-79.56%	-85.88%