

HV ETF Master List as of 01/16/2020

Ticker	ETF Name	Orientation	M-Index	4 wk	8 wk	12 wk	YTD	%M/A	DD%
XPH	SPDR Pharmaceuticals	Health & Biotech Equiti	15	6.78%	21.14%	28.07%	4.97%	22.92%	-4.10%
TUR	iShares Turkey Investment Index	Emerging Markets Equi	11	10.92%	7.88%	16.74%	7.92%	17.15%	-38.14%
IGV	iShares North American Tech-Software	Technology Equities	11	7.30%	9.55%	18.19%	7.13%	13.27%	0.00%
IYW	Dow Jones US Technology	Technology Equities	11	6.96%	11.48%	18.31%	5.93%	18.31%	0.00%
VGT	Vanguard Info Technology	Technolgy Equities	10	6.80%	11.15%	17.83%	5.51%	17.53%	0.00%
MCHI	iShares MSCI China	China Equities	10	6.17%	13.16%	15.88%	4.77%	13.38%	-12.47%
XLK	Technology Select *	Technology Equities	10	6.34%	11.27%	17.75%	5.36%	18.10%	0.00%
IHE	iShares DJ US Pharmaceuticals	Health & Biotech Equiti	9	4.15%	12.03%	17.16%	3.33%	12.32%	-2.54%
XBI	SPDR Series Trust SPDR S&P Biotech	Health & Biotech Equiti	9	0.67%	10.78%	21.12%	2.14%	14.01%	-4.02%
SOXX	iShares PHLX SOX Semiconductor Sector Index	Technology Equities	9	3.71%	12.29%	17.83%	2.90%	20.54%	0.00%
MGK	Vanguard Mega Cap Growth	Large Cap Growth Equi	9	5.71%	9.92%	13.84%	5.09%	14.09%	0.00%
QQQ	PowerShares QQQ Trust, Series 1	Large Growth	9	5.42%	10.20%	14.52%	4.68%	15.01%	0.00%
IHF	iShares DJ US Healthcare Provid's	Health & Biotech Equiti	8	3.51%	6.87%	20.46%	2.99%	17.34%	0.00%
SCHG	Schwab U.S. Large-Cap Growth	Large Cap Growth Equi	8	5.43%	8.89%	13.52%	4.69%	13.66%	0.00%
FXH	1st Trust Health Care AlphaDEX	Health & Biotech Equiti	8	4.04%	6.99%	16.19%	3.77%	13.17%	0.00%
VOOG	Vanguard S&P 500 Growth	Large Cap Growth Equi	8	5.26%	8.46%	11.94%	4.45%	11.06%	0.00%
SMH	VanEch Vectors Semiconductor	Technology Equities	8	2.34%	10.91%	16.83%	2.84%	21.00%	0.00%
PPLT	ETFS Physical Platinum Shares	Precious Metals	8	7.94%	10.10%	9.18%	4.48%	14.03%	-16.16%
IWO	Russell 2000 Growth	Small Growth	8	4.17%	9.40%	13.61%	3.74%	10.92%	0.00%
IWF	Russell 1000 Growth	Large Growth	8	5.39%	9.04%	13.38%	4.64%	13.27%	0.00%
VUG	Vanguard Growth	Large Cap Growth	8	5.55%	9.45%	13.15%	4.95%	13.43%	0.00%
FBT	1st Trust Biotechnology Index	Health & Biotech Equiti	8	1.50%	8.73%	19.58%	3.07%	12.52%	-3.77%
IXJ	S&P Global Healthcare	Health & Biotech Equiti	7	3.17%	6.94%	13.07%	2.86%	12.86%	-42.64%
SPYG	S&P 500 Growth	Large Cap Growth	7	4.85%	8.36%	11.80%	4.37%	10.95%	0.00%
AAXJ	iShares MSCI All Country Asia ex Japan	Asia Pacific	7	4.23%	8.64%	10.39%	3.31%	9.99%	-9.16%
VOT	Vanguard Mid-Cap Growth	Mid-Cap Growth	7	4.90%	7.63%	10.23%	4.32%	9.93%	0.00%
VOX	Vanguard Telecom Serv's	Communication Equitie	7	4.72%	7.88%	11.86%	4.86%	10.59%	-5.45%
IWP	Russell MidCap Growth	Mid-Cap Growth	7	4.68%	7.08%	11.11%	4.17%	10.15%	0.00%
VHT	Vanguard Health Care	Health & Biotech Equiti	7	3.32%	7.77%	15.38%	2.94%	12.94%	0.00%
MTUM	iShares Edge MSCI USA Momentum Factores	All Cap Equities	7	4.76%	7.00%	10.06%	4.20%	9.01%	0.00%
PJP	Dynamic Pharmaceuticals	Health & Biotech Equiti	7	1.40%	8.40%	14.24%	2.78%	11.04%	-10.32%
VBK	Vanguard SmallCap Growth	Small Cap Growth	7	4.16%	7.90%	12.34%	3.74%	10.22%	0.00%
PDP	PowerShares DWA Momentum Portfolio	All Cap Equities	7	5.01%	7.30%	9.83%	4.23%	9.46%	0.00%
EWH	iShares Hong Kong Index	China Equities	7	6.42%	8.45%	9.05%	5.10%	4.31%	-5.90%
IHI	iShares DJ US Medical Devices	Health & Biotech Equiti	7	3.84%	7.06%	12.60%	3.35%	11.64%	0.00%
IVW	S&P 500/BARRA Growth	Large Growth	7	5.23%	8.12%	11.55%	4.37%	10.72%	0.00%
IYH	Dow Jones US Healthcare	Specialty-Health	7	3.07%	7.43%	14.89%	2.74%	12.79%	0.00%
IUSG	iShares Core U.S. Growth	Large Cap Growth Equi	7	5.23%	8.05%	11.44%	4.29%	10.60%	0.00%
IVV	S&P 500	Large Blend	6	3.64%	6.51%	10.03%	2.97%	10.32%	0.00%
VOO	Vanguard S&P 500	Large Cap Blend Equiti	6	3.13%	6.67%	10.20%	2.95%	10.48%	0.00%
GSLC	Goldman Sachs ActiveBeta U.S. Large CaP	Large Cap Blend Equiti	6	3.20%	6.40%	9.73%	2.99%	10.39%	0.00%

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IWB	Russell 1000 Index	Large Blend	6	3.71%	6.70%	10.28%	3.02%	10.41%	0.00%
SPHQ	PowerShares S&P 500 Quality Portfolio	Large Cap Blend Equiti	6	3.16%	7.53%	10.79%	2.93%	10.95%	0.00%
ITOT	iShares Core S&P Total U.S. Stock Market	All Cap Equities	6	3.69%	6.57%	10.15%	2.99%	10.15%	0.00%
GDXJ	VanEck Vectors Junior Gold Miners	Commodity Producers	6	5.32%	11.47%	8.81%	-3.57%	12.91%	-20.68%
IJT	S&P SmallCap 600/BARRA Growth	Small Growth	6	3.19%	9.04%	9.97%	3.03%	9.35%	-4.59%
IBB	Nasdaq Biotechnology	Health & Biotech Equiti	6	0.99%	7.04%	15.71%	1.70%	13.26%	-64.10%
SPY	SPDR S&P 500	Large Cap Blend	6	3.11%	6.66%	10.17%	2.95%	10.48%	0.00%
FXI	iShares China 25 Index	China Equities	6	4.64%	8.48%	8.90%	2.93%	7.90%	-16.85%
ASHR	Deutsche X-Trackers China A-Shares	China Equities	6	5.07%	8.25%	9.50%	2.80%	9.23%	-12.65%
VXF	Vanguard Extended Markets VIPERs	Mid Cap Blend	6	3.09%	6.90%	10.41%	3.00%	9.17%	0.00%
RPG	Guggenheim S&P 500 Pure Growth	Large Growth	6	3.79%	7.19%	10.68%	3.79%	9.43%	0.00%
QUAL	iShares Edge MSCI USA Quality Factor	All Cap Equities	6	3.90%	7.48%	11.09%	3.36%	11.47%	0.00%
SCHB	Schwab U.S. Broad Market	All Cap Equities	6	3.63%	6.62%	10.12%	2.98%	10.19%	0.00%
XLV	Health Care Select SPDR *	Health & Biotech Equiti	6	2.04%	6.72%	13.63%	2.74%	12.12%	0.00%
RSX	Market Vectors Russia	Emerging Markets Equi	6	1.12%	6.24%	9.80%	5.13%	12.43%	-0.87%
CWB	SPDR Barclays Convertible Securities	Convertible Bonds	6	3.21%	6.48%	8.87%	3.81%	7.99%	0.00%
VV	Vanguard LargeCap	Large Cap Blend	6	3.22%	6.72%	10.34%	3.12%	10.58%	0.00%
EWY	iShares S. Korea Index	Pacific Asia/excl. Japan	6	3.92%	8.46%	8.28%	2.76%	10.33%	-19.10%
FM	iShares MSCI Frontier 100 Fund	Emerging Markets Equi	6	3.29%	8.02%	10.36%	2.34%	6.88%	-13.94%
IWV	Russell 3000 Index	All Cap Equities	6	3.59%	6.74%	10.23%	2.97%	10.28%	0.00%
SCHX	Schwab U.S. Large-Cap	Large Cap Blend Equiti	6	3.77%	6.51%	10.13%	3.08%	10.39%	0.00%
FV	First Trust VL Dividend	Large Cap Value Equiti	6	4.17%	7.66%	9.90%	3.77%	8.30%	0.00%
VTI	Total Stock Market VIPERs	All Cap Equities	6	3.05%	6.69%	10.14%	2.98%	10.20%	0.00%
PKW	PowerShares Buyback Achievers	All Cap Equities	5	2.41%	6.05%	10.15%	2.26%	10.52%	0.00%
RSP	Guggenheim S&P Equal Weight	Large Blend	5	2.45%	5.82%	8.38%	2.24%	8.65%	0.00%
IYT	Dow Jones Transportation	Transportation Equities	5	4.62%	5.63%	5.80%	3.78%	6.96%	-2.71%
SCHM	Schwab U.S. Mid Cap	Mid Cap Blend Equities	5	3.23%	5.54%	8.28%	2.41%	7.78%	0.00%
SCHA	Schwab U.S. Small-Cap	Small Cap Blend Equiti	5	2.41%	7.10%	9.43%	2.07%	8.18%	-1.06%
IWR	Russell MidCap Index Fs	Mid-Cap Blend	5	3.36%	5.90%	8.48%	2.62%	8.46%	-72.70%
IYJ	Dow Jones US Industrial	Industrial Equities	5	3.89%	4.62%	8.47%	3.58%	8.54%	0.00%
SCHE	Schwab Emerging Markets Equity	Emerging Markets Equi	5	3.01%	6.21%	7.64%	2.37%	7.98%	-9.78%
IYG	Dow Jones US Financial Serv's	Specialty-Financial	5	1.80%	5.55%	10.25%	1.74%	11.32%	0.00%
IWM	Russell 2000	Small Blend	5	2.29%	7.48%	9.96%	2.07%	8.97%	-2.02%
IYK	Dow Jones US Cons. Goods	Consumer Staples Equi	5	2.75%	6.96%	6.95%	2.30%	8.73%	0.00%
EFG	iShares MSCI EAFE Growth Index	Foreign Large Cap Equ	5	3.25%	5.46%	7.73%	2.41%	8.55%	0.00%
VIS	Vanguard Industrials	industrials Equities	5	4.02%	4.38%	8.20%	3.63%	8.55%	0.00%
ITB	iShares DJ US Home Construction	Building and Constructi	5	7.00%	5.28%	3.36%	5.99%	13.77%	0.00%
VO	Vanguard Mid-Cap	Mid-Cap Blend	5	3.26%	6.23%	8.46%	3.03%	8.79%	0.00%
IHDG	WisdomTree International Hedged Dividend Growt	Foreign Large Cap Equ	5	2.37%	6.62%	9.54%	2.73%	10.26%	0.00%
EWV	iShares Mexico Index	Latin America Stock	5	2.48%	6.93%	5.36%	4.54%	7.83%	-18.08%
EWL	iShares Switzerland Index	Europe Stock	5	2.62%	6.60%	8.72%	1.65%	8.99%	0.00%
VT	Vanguard Total World Stock Index	Global Equities	5	2.22%	5.91%	8.60%	2.44%	8.96%	0.00%
VIG	Vanguard Div. Appreciation	Large Cap Value Equiti	5	3.48%	5.90%	7.55%	2.85%	8.46%	0.00%
EPP	iShares Pacific ex. Japan Index Fund	Pacific Asia/excl. Japan	5	4.56%	5.30%	5.27%	4.25%	4.72%	-4.35%

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FEX	First Trust Large Cap Core AlphaDEX	Large Cap Blend Equity	5	2.84%	5.43%	8.79%	2.18%	8.19%	0.00%
XES	SPDR Oil & Gas Equip./Services	Energy Equities	5	-2.75%	15.28%	11.48%	-4.19%	-6.24%	-67.24%
XHB	SPDR Series Trust SPDR Home Builders	Building & Construction	5	4.87%	5.59%	4.07%	4.41%	10.87%	0.00%
EEM	iShares Emerging Mkts Index	Emerging Mkts Equities	5	3.26%	7.23%	8.42%	2.54%	8.63%	-11.73%
DIA	SPDR Dow Jones Industrial Average	Large Cap Value	5	2.98%	5.48%	9.31%	2.93%	8.67%	0.00%
XLI	Industrial Select Sector *	Industrial Equities	5	3.60%	3.88%	8.05%	3.71%	8.18%	0.00%
AGQ	ProShares Ultra Silver	Leveraged Commoditie	5	9.87%	8.37%	-0.56%	0.41%	12.87%	-43.68%
ACWI	iShares MSCI ACWI	Global Equities	5	3.00%	5.30%	7.83%	2.46%	8.58%	0.00%
VWO	Vanguard Emerging Markets	Emerging Markets Equi	5	2.15%	7.82%	9.30%	2.59%	8.58%	-10.51%
VCR	Vanguard Consumer Discretionary	Consumer Discretionar	5	3.07%	7.46%	6.36%	2.23%	7.02%	0.00%
URE	ProShares Ultra Real Estate	Leveraged Real Estate	5	7.26%	7.40%	0.49%	4.53%	10.11%	-34.52%
IEMG	iShares Core MSCI Emerging Markets	Emerging Markets Equi	5	3.36%	6.91%	8.00%	2.46%	8.32%	-12.14%
IJK	S&P MidCap 400/BARRA Growth	Mid-Cap Growth	5	3.07%	6.21%	8.21%	2.04%	7.54%	0.00%
VB	Vanguard SmallCap	Small Cap Blend	5	2.34%	6.31%	9.10%	2.33%	8.15%	0.00%
IJR	S&P Sm.Cap 600	Small Blend	5	1.93%	7.10%	8.10%	1.75%	8.51%	-5.30%
DFE	Wisdom Tree Europe SmCap Div.	Europe Stock	4	0.36%	7.99%	9.77%	-0.94%	9.65%	-14.64%
DEM	WisdomTree Emerg. Mkts Hi-Yld E.	Emerging Mkts Equities	4	1.69%	6.56%	7.87%	1.55%	6.92%	-7.62%
BBH	VanEck Vectors Biotech	Health & Biotech	4	-0.56%	2.75%	12.99%	0.92%	10.63%	-1.57%
IYC	iShares US Consumer Services	Consumer Discretionar	4	2.31%	4.82%	6.12%	1.95%	5.97%	0.00%
INDA	iShares MSCI India	Emerging Markets Equi	4	1.58%	4.87%	6.36%	2.33%	5.09%	-5.54%
MDY	MidCap Trust Series I	Mid-Cap Blend	4	1.88%	5.82%	7.69%	1.51%	7.58%	0.00%
IJJ	S&P MidCap 400/BARRA Value	Mid-Cap Blend	4	1.50%	5.40%	7.18%	1.04%	7.65%	0.00%
IJH	S&P MidCap 400	Mid-Cap Blend	4	2.27%	5.78%	7.69%	1.52%	7.54%	0.00%
ITA	iShares DJ US Aerospace&Defense	Industrials Equities	4	4.63%	1.22%	6.04%	5.27%	6.76%	-0.07%
DGRO	iShares Core Dividend Growth	Large Cap Value Equiti	4	2.27%	4.93%	8.22%	1.76%	9.26%	0.00%
EWA	iShares Australia Index	Asia Pacific Equities	4	4.16%	5.04%	4.02%	4.44%	5.66%	-2.36%
FNDX	Schwab Fundamental U.S. Large Company Index	Large Cap Value Equiti	4	2.46%	4.86%	8.53%	1.73%	9.08%	0.00%
IYF	Dow Jones US Financial Sector	Specialty-Financial	4	2.20%	4.89%	7.32%	1.84%	8.70%	0.00%
EWC	iShares Canada Index	Foreign Large Cap Equi	4	3.18%	3.32%	5.90%	2.25%	6.17%	0.00%
EWD	iShares Sweden Index	Europe Stock	4	1.09%	6.17%	5.84%	1.77%	8.44%	-8.80%
IWD	Russell 1000 Value	Large Value	4	1.96%	4.03%	6.89%	1.36%	7.30%	0.00%
EWN	iShares Netherlands Index	Europe Stock	4	1.88%	5.28%	6.47%	1.07%	7.96%	-0.41%
IAU	iShares Gold Trust	Precious Metals	4	5.10%	6.07%	3.34%	2.27%	8.04%	-1.13%
GLD	SPDR Gold Shares	Precious Metals	4	4.97%	6.02%	3.38%	2.30%	7.98%	-1.12%
FXN	1st Trust Energy AlphaDEX	Energy Equities	4	-0.39%	10.16%	7.40%	-2.65%	-1.54%	-43.34%
IXUS	iShares Core MSCI Total International Stock	Global Equities	4	2.21%	4.46%	5.87%	1.55%	6.79%	-7.57%
FXD	First Trust Cons. Discret. AlphaDEX	Consumer Discretionar	4	1.44%	5.54%	6.82%	1.06%	6.66%	0.00%
IWS	Russell MidCap Value	Mid-Cap Value	4	2.48%	5.21%	6.75%	1.65%	7.39%	0.00%
IVE	S&P 500/BARRA Value	Large Value	4	1.74%	4.69%	8.28%	1.31%	9.85%	0.00%
VLUE	iShares Edge MSCI USA Value Factor	Large Cap Value Equiti	4	1.39%	4.14%	8.61%	0.69%	8.98%	-0.02%
VEU	Vanguard FTSE All-World ex-US	Global Equities	4	1.07%	4.98%	6.43%	1.77%	7.16%	-7.25%
SDOG	ALPS Sector Dividend Dogs	Large Cap Value Equiti	4	2.39%	4.79%	7.20%	1.45%	7.91%	-3.55%
PRF	PowerShares FTSE RAFI US 1000	Large Cap Value	4	1.77%	5.02%	8.16%	1.77%	8.60%	0.00%
SCHV	Schwab U.S. Large-Cap Value	Large Cap Value Equiti	4	2.03%	4.15%	6.78%	1.45%	7.11%	0.00%

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RING	iShares MCSI Global Gold Miners Fund	Commodity Producers	4	5.41%	8.02%	5.55%	-2.28%	12.38%	-11.35%
VOE	Vanguard Mid Cap Value	Mid-Cap Value	4	1.75%	5.11%	6.81%	1.71%	7.77%	0.00%
USMV	iShares Edge MSCI Min Vol USA	All Cap Equities	4	3.39%	5.01%	5.58%	2.79%	6.85%	0.00%
XLY	Consumer Discretionary Sec.*	Consumer Discretionar	4	2.22%	6.74%	5.23%	1.76%	5.95%	0.00%
SCHD	Schwab US Dividend Equity	All Cap Equities	4	2.36%	4.34%	6.99%	1.87%	8.04%	0.00%
VFH	Vanguard Financials	Financials Equities	3	0.66%	4.04%	8.08%	0.66%	8.64%	-0.25%
DBEU	Deutsche X-Trackers MSCI Europe Hedged	Europe Equities	3	1.32%	3.55%	4.65%	1.61%	6.21%	-0.06%
VDC	Vanguard Consumer Staples	Consumer Staples Equi	3	1.67%	4.05%	4.23%	1.11%	5.90%	0.00%
EWT	iShares Taiwan Index	Pacific Asia/excl. Japan	3	0.90%	4.32%	7.40%	1.00%	12.97%	-0.74%
IWN	Russell 2000 Value	Small Value	3	0.55%	5.35%	6.27%	0.33%	6.86%	-5.54%
EZU	European Monetary Union Index	Europe Stock	3	1.54%	3.56%	4.82%	1.03%	6.29%	-10.49%
VYM	Vanguard High Div. Yield Index	Large Cap Value	3	0.77%	3.98%	6.34%	1.07%	6.61%	0.00%
IDU	Dow Jones US Utilities	Utilities Equities	3	3.13%	5.17%	1.92%	2.61%	6.75%	0.00%
VBR	Vanguard SmallCap Value	Small Cap Value	3	1.00%	5.11%	6.63%	1.21%	6.53%	-2.73%
SCZ	iShares MSCI EAFE Small-Cap	Foreign Small & Mid Ca	3	1.60%	3.18%	5.28%	0.42%	6.77%	-9.84%
IEFA	iShares Core MSCI EAFE	Foreign Large Cap Equ	3	1.62%	3.45%	4.87%	1.26%	6.35%	-6.97%
DON	Wisdom Tree MidCap Div.	Mid-Cap Value	3	1.77%	4.30%	5.38%	1.34%	6.27%	-61.96%
VGK	Vanguard European	Europe Equities	3	1.13%	5.05%	6.32%	0.86%	7.17%	-7.32%
DVY	iShares Select Dividend Index	Large Cap Value	3	1.65%	3.81%	4.24%	1.23%	5.93%	0.00%
IEV	S&P Europe 350 Index	Europe Stock	3	1.77%	4.75%	5.81%	0.94%	6.87%	-6.94%
IEO	iShares DJ Oil & Gas Expl.&Prod.	Energy Equities	3	1.58%	5.63%	7.07%	-0.65%	3.69%	-29.70%
IDV	iShares International Select Dividend	Foreign Large Cap Equ	3	1.83%	5.05%	5.71%	1.38%	8.34%	-5.55%
INDY	iShares S&P India Nifty 50 Index Fund	Emerging Markets Equi	3	0.74%	4.58%	5.91%	1.74%	5.26%	-0.58%
SIL	Global X Silver Miners	Commodity Producers	3	1.97%	7.39%	8.01%	-5.00%	12.69%	-41.13%
EFA	MSCI EAFE iShares Index Fd	Foreign Large Cap Equ	3	1.50%	3.51%	4.81%	1.33%	6.15%	-6.75%
SPLV	PowerShares S&P 500 Low Volat.	Large Cap Blend	3	2.71%	4.28%	3.26%	2.22%	5.79%	0.00%
DBEF	Deutsche X-Trackers MSCI EAFE Hedged	Foreigh Large Cap Equ	3	1.59%	3.18%	4.81%	2.14%	6.54%	0.00%
SLV	iShares Silver Trust	Precious Metals	3	5.21%	4.88%	0.72%	0.48%	8.42%	-14.44%
IVOV	Vanguard S&P Mid-Cap 400 Value	Mid Cap Value Equities	3	1.49%	4.10%	5.90%	1.07%	6.89%	0.00%
GDX	Mkt Vector Gold Miners	Specialty-Precious Met	3	4.33%	6.90%	4.18%	-2.52%	9.73%	-8.46%
IJS	S&P SmallCap 600/BARRA Value	Small Value	3	0.59%	5.14%	6.20%	0.43%	7.56%	-6.47%
VSS	Vanguard FTSE All-Wld ex-US SmCP Idx	Foreign Small & Mid Ca	3	0.85%	4.99%	6.54%	1.18%	6.86%	-11.77%
SCHF	Schwab International Equity	Foreign Large Cap Equ	3	1.76%	2.81%	4.07%	1.49%	5.90%	-6.38%
RHS	Guggenheim S&P 500 = Wt. Consum Staples	Consumer Staples	3	1.38%	4.40%	6.00%	1.13%	6.72%	0.00%
EWU	iShares United Kingdom Index	Europe Stock	3	1.25%	4.78%	4.43%	0.03%	5.29%	-10.35%
NOBL	ProShares S&P 500 Dividend Aristocrats	Large Cap Value Equiti	3	1.05%	3.32%	5.92%	0.98%	7.42%	0.00%
OIH	Oil Services HOLDRs	Energy Equities	3	-4.33%	9.78%	9.97%	-3.76%	-2.95%	-63.52%
RPV	Guggenheim S&P 500 Pure Value	Large Value	3	0.72%	3.10%	5.95%	0.42%	6.63%	-2.14%
XLF	Financial Select Sector *	Financial Equities	3	0.45%	4.18%	8.56%	0.72%	9.33%	-0.45%
MOO	VanEck Vectors Agribusiness	Commodity Producers	3	1.30%	4.66%	5.33%	1.04%	5.18%	0.00%
EWG	iShares Germany Index	Europe Stock	3	1.81%	3.19%	4.71%	1.78%	6.74%	-16.41%
VXUS	Vanguard Total International Stock	Global Equities	3	1.00%	4.92%	6.23%	1.64%	7.04%	-7.70%
ACWW	iShares Edge MSCI Min Vol Global	Global Equities	3	2.77%	2.72%	2.86%	2.31%	4.81%	0.00%
VTV	Vanguard Value	Large Cap Value	3	1.00%	4.03%	7.55%	1.31%	7.80%	0.00%

Ticker	ETF Name	Orientation	M-Index	4 wk	8 wk	12 wk	YTD	%M/A	DD%
VEA	Vanguard FTSE Developed Markets	Foreign Large Cap	3	0.86%	4.16%	5.67%	1.39%	6.69%	-6.95%
XRT	SPDR S&P Retail *	Consumer Discretionar	3	0.24%	6.20%	4.58%	-0.50%	6.89%	-12.51%
PEZ	PowerShares High Yield Divi Achievers	All Cap Equities	3	1.52%	5.62%	3.00%	1.06%	2.15%	-6.84%
GUNR	FlexShares Global Upstream Natural Resources	Commodity Producers	3	1.27%	5.08%	7.13%	0.09%	4.75%	-5.45%
XLU	Utilities Select Sector *	Utilities Equities	3	2.55%	5.27%	2.28%	2.74%	7.39%	0.00%
DBJP	Deutsche X-Trackers MSCI Japan Hedged	Japan Equities	3	0.69%	3.44%	6.03%	2.35%	9.10%	-6.28%
VPU	Vanguard Utilities VIPERS	Utilities Equities	3	3.11%	5.05%	1.81%	2.54%	6.75%	0.00%
JXI	iShares S&P Global Utilities	Utilities Equities	3	3.42%	5.05%	2.37%	2.56%	6.96%	0.00%
SCHC	Schwab International SmallCap Equ.	Foreign Small/Mid Blen	3	1.67%	3.09%	5.64%	0.23%	6.13%	-11.38%
FXO	1st Trust Financials AlphaDEX	Financial Equities	3	1.04%	3.52%	6.15%	1.01%	5.89%	0.00%
HEWG	iShares Currency Hedged MSCI Germany	Europe Equities	3	1.86%	2.81%	4.92%	2.67%	7.66%	-2.31%
ACWX	iShares MSCI ACWI ex US	Global Equities	3	2.03%	4.18%	5.35%	1.71%	6.43%	-7.28%
EWQ	iShares France Index	Europe Stock	3	1.61%	3.66%	6.56%	0.83%	7.20%	-2.67%
DHS	Wisdom Tree High-Yield Equity	Large Cap Value	2	0.62%	2.30%	3.36%	0.93%	4.77%	-0.03%
HEWJ	iShares Currency Hedged MSCI Japan	Japan Equities	2	-0.38%	2.21%	4.78%	2.34%	8.25%	-4.20%
VWOB	Vanguard Emerging Markets Gov Bonds	Emerging Markets Bon	2	1.10%	2.73%	1.70%	0.79%	2.39%	0.00%
HEFA	iShares Currency Hedged MSCI EAFE	Foreign Large Cap Equ	2	0.45%	1.01%	2.43%	2.40%	4.54%	-0.73%
VCLT	Vanguard Long-Term Corporate Bond	Corporate Bonds	2	1.09%	2.11%	2.04%	1.32%	4.52%	-0.74%
DES	Wisdom Tree SmallCap Div.	Small Cap Value	2	0.63%	4.37%	4.34%	0.45%	5.66%	-66.21%
FXG	1st Trust Consumer Staples	Consumer Staples Equi	2	1.09%	3.01%	5.47%	-0.22%	5.37%	-2.92%
HDV	iShares Core High Dividend	Large Cap Value Equiti	2	0.40%	2.54%	4.24%	0.03%	3.45%	-0.45%
FXU	1st Trust Utilities AlphaDEX	Utilities Equities	2	1.69%	2.85%	0.20%	1.37%	2.38%	-1.27%
XLP	Consumer Staples Select *	Consumer Staples	2	0.90%	3.76%	3.68%	1.32%	6.00%	0.00%
ICF	Cohen & Steers Realty	Real Estate	2	4.03%	2.62%	-2.00%	2.44%	2.90%	-2.20%
HEDJ	WisdomTree Europe Hedged Equity	Europe Equities	2	0.44%	2.48%	4.06%	1.07%	5.69%	-1.06%
XMLV	PowerShares S&P MidCap Low Volatility Portfolio	Mid Cap Blend Equities	2	1.62%	3.39%	3.33%	1.30%	4.77%	0.00%
PXF	PowerShares FTSE RAFI Developed Markets	Foreign Large Cap Equ	2	0.19%	3.47%	4.12%	0.66%	5.16%	-12.33%
EWI	iShares Italy Index	Europe Stock	2	0.81%	2.02%	4.89%	1.57%	6.72%	-13.41%
REZ	iShares Residential Real Estate Capped	Specialty-Real Estate	2	5.24%	1.86%	-4.42%	3.44%	2.56%	-4.83%
PCY	PowerShares Emerging Markets Sovereign Debt P	Emerging Markets Bon	2	1.09%	3.80%	2.34%	0.85%	2.75%	-3.75%
KIE	SPDR S&P Insurance	Specialty-Financial	2	0.20%	2.81%	4.00%	1.21%	4.38%	-61.74%
EWM	iShares Malaysia Index	Emerging Markets Equi	2	1.49%	2.18%	2.95%	0.46%	0.08%	-21.58%
EMB	iShares Emerging Markets Bond	Emerging Market Bond	2	1.49%	3.02%	1.65%	0.69%	2.33%	-2.22%
IYZ	Down Jones US Telecom	Commun. Equities	2	1.34%	2.59%	3.36%	0.97%	2.30%	-17.46%
EWS	iShares Singapore Index	Pacific Asia/excl. Japan	2	2.30%	0.82%	2.68%	1.53%	2.26%	-13.05%
IYR	Dow Jones US Real Estate	Real Estate	2	3.99%	3.36%	0.02%	2.35%	4.67%	-0.29%
FEZ	SPDR Euro Stoxx 50	Europe Stock	2	0.96%	3.05%	4.76%	0.66%	6.69%	-7.49%
XOP	SPDR Oil & Gas Explor & Product	Energy Equities	2	-2.82%	8.29%	6.31%	-4.25%	-5.93%	-48.98%
VAW	Vanguard Materials VIPERS	Materials	2	0.22%	2.83%	5.61%	-0.92%	5.00%	-8.07%
XLB	Materials Select Sector *	Materials	2	-0.08%	2.77%	5.62%	-0.78%	5.03%	-5.02%
EWZ	iShares Brazil Index	Latin America Stock	2	-1.44%	7.27%	3.97%	-3.10%	6.36%	-5.23%
SDY	SPDR Dividend ETF	Large Value	2	0.65%	3.21%	4.23%	0.84%	5.94%	0.00%
VNQ	Vanguard REIT Index	Real Estate	2	3.91%	2.98%	-0.33%	2.26%	4.38%	-0.65%
SPHD	PowerShares S&P 500 HiDivLowVol	Large Cap Value	2	1.28%	3.82%	3.70%	0.86%	4.79%	0.00%

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VPL	Vanguard Pacific ETF	Asia Pacific Equities	2	0.13%	2.92%	4.49%	1.96%	6.30%	-9.04%
IYM	Dow Jones US Basic Mat's	Materials	2	0.03%	2.18%	5.99%	-1.12%	4.11%	-10.58%
FXB	CurrencyShares British Pound	Currency	1	0.46%	1.28%	1.77%	-1.24%	2.98%	-12.86%
DWX	SPDR S&P International Dividend	Foreign Large Cap Equ	1	0.32%	1.50%	1.91%	1.12%	3.43%	-5.43%
DXJ	Wisdom Tree Japan Hedged Equity	Japan Stock	1	-1.48%	1.62%	3.90%	1.66%	7.76%	-12.81%
FPE	First Trust Preferred Securities and Income	Preferred Stock	1	1.15%	1.81%	1.66%	0.85%	2.95%	-0.15%
EWJ	iShares Japan Index	Japan Stock	1	-0.27%	0.29%	2.72%	0.86%	5.92%	-7.69%
EWK	iShares Belgium Index	Europe Stock	1	0.61%	2.36%	2.68%	-0.25%	5.33%	-13.39%
EDV	Vanguard Extended Duration Treasury	Government Bonds	1	1.16%	-1.75%	-0.88%	3.69%	2.06%	-9.13%
FDL	1st Trust Morningstar Div. Lead's	Large Cap Value	1	0.40%	1.40%	3.99%	0.12%	4.97%	-0.37%
EFV	MSCI EAFE iShares Value Index	Foreign Large Cap Equ	1	0.08%	1.48%	1.69%	0.34%	3.63%	-16.12%
VRP	PowerShares Variable Rate Preferred Portfolio	Preferred Stock	1	0.81%	1.40%	1.68%	0.78%	2.71%	-1.25%
KBWB	PowerShares KBW Bank Portfolio	Financials Equities	1	-2.94%	1.66%	6.46%	-2.42%	8.56%	-5.46%
IFGL	iShares FTSE EPRA/NAREIT Global Real Estate	Global Real Estate	1	2.91%	0.43%	-0.29%	0.80%	1.50%	-4.07%
SCHZ	Schwab US Aggregate Bond	Total Bond Market	1	0.82%	0.30%	0.28%	0.71%	1.20%	-0.96%
BAB	PowerShares Build America Bond Portfolio	National Munis	1	1.07%	0.41%	0.82%	1.52%	1.34%	-2.84%
SCHH	Schwab U.S. REIT	Real Estate	1	3.66%	1.21%	-2.85%	2.03%	2.15%	-2.85%
ZROZ	PIMCO 25 Yr Zero Coupon US Treas Idx Exchg-Tr	Government Bonds	1	1.99%	-0.88%	0.21%	4.05%	3.58%	-8.64%
RWR	Wilshire REIT Fund	Real Estate	1	2.49%	1.28%	-2.77%	2.05%	1.99%	-2.77%
AGG	iShares Lehman Aggregate Bond	Intermediate-Term Bon	1	0.78%	0.33%	0.35%	0.68%	1.25%	-0.83%
BKLN	PowerShares Exchange-Traded Fund Trust	High Yield Bonds	1	0.09%	2.10%	1.73%	0.26%	0.82%	-2.31%
KBE	SPDR S&P Bank	Specialty-Financial	1	-2.12%	2.23%	5.73%	-1.35%	6.12%	-9.91%
BLV	Vanguard Long Term Bond	Long-Term Bond	1	1.28%	0.81%	0.91%	1.91%	3.37%	-3.09%
KRE	SPDR S&P Region.Banking	Specialty-Financial	1	-2.50%	3.39%	6.63%	-1.63%	6.34%	-12.67%
LQD	iShares iBoxx \$ Liquid Invest. Gr.	Corporate Bonds	1	1.03%	1.49%	1.25%	0.84%	3.12%	-0.07%
MUB	iShares S&P National Muni Bond	National Munis	1	1.04%	1.01%	1.10%	0.98%	1.32%	-0.26%
PFF	iShares S&P Preferred Stock	Preferred Stock/Conver	1	1.63%	2.10%	0.90%	1.25%	2.39%	-5.64%
PGF	PowerShares Fin. Preferred Portf.	Specialty-Financial	1	0.85%	1.98%	0.79%	0.85%	1.91%	-2.61%
PGX	PowerShares Preferred Portfolio	Preferred Stock/Conver	1	1.07%	2.23%	0.66%	1.07%	2.20%	-2.00%
PHB	PowerShares High Yield Corp Bond	High Yield Bonds	1	0.21%	2.06%	1.68%	0.52%	1.87%	0.00%
PZA	Pshares Insured National Munis	National Munis	1	0.91%	1.21%	1.33%	1.06%	1.49%	-0.41%
JNK	Barclays Cap. High Yield Bond	High Yield Bond	1	0.26%	2.48%	1.37%	0.64%	-3.24%	-66.06%
TLH	iShares Lehman 10-20 Yr Treasury	Government Bonds	1	1.53%	-0.45%	-0.46%	1.84%	1.19%	-4.31%
GNR	SPDR S&P Global Natural Resources	Commodity Producers	1	-1.46%	2.95%	4.26%	-0.67%	3.30%	-13.72%
HEZU	iShares Currency Hedged MSCI Eurozone	Europe Equities	1	1.16%	0.41%	2.32%	1.77%	4.81%	-0.62%
HYG	iShares Lehman Hi-Yield Corp.	High Yield Bond	1	0.66%	2.40%	1.27%	0.56%	1.81%	-0.61%
HYS	PIMCO 0-5 Year High Yield Corp Bond	High Yield Bonds	1	0.35%	2.00%	0.73%	0.60%	0.66%	-1.60%
DBA	PowerShares DB Agriculture Fd	Agriculture Commoditie	1	-1.21%	1.93%	3.22%	-1.21%	1.73%	-28.79%
VCIT	Vanguard Intermediate-Term Corporate Bond	Corporate Bonds	1	0.63%	0.78%	0.67%	0.66%	2.06%	-0.16%
IGE	iShares North American Natural Resources	Commodity Producers	1	1.49%	1.36%	2.82%	-0.53%	0.89%	-21.42%
TLT	iShares 20+ Treas. Bd	Government Bonds	1	2.01%	-0.37%	0.01%	2.70%	2.36%	-5.81%
VDE	Vanguard Energy VIPERS	Energy Equities	1	0.37%	2.85%	3.85%	-1.18%	-0.34%	-26.15%
TIP	iShares TIPS Bond Fd	Inflation-Protected Bon	1	0.55%	0.71%	1.02%	0.65%	1.40%	-0.69%
SJNK	SPDR Barclays Short Term High Yield Bond	High Yield Bonds	1	0.52%	1.88%	0.67%	0.71%	0.52%	-3.62%

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SHYG	iShares 0-5 Year High Yield Corporate Bond	High Yield Bonds	1	0.80%	1.63%	0.62%	0.67%	0.70%	-2.73%
CIU	iShares Lehman Intermed. Credit	Intermediate-Term Bon	0	0.00%	0.00%	0.00%	0.00%	0.00%	-100.00%
BND	Vanguard Total Bond Market	Intermediate-Term Bon	0	0.52%	0.25%	0.26%	0.63%	1.21%	-0.94%
CRED	iShares Core U.S. Credit Bond	Bonds	0	0.00%	0.00%	0.00%	0.00%	0.00%	-100.00%
CSJ	iShares Lehman 1-3 Yr Credit Bd	Corporate Bond	0	0.00%	0.00%	0.00%	0.00%	0.00%	-100.00%
BSV	Vanguard Short Term Bond	Total Bond Market	0	0.12%	0.02%	-0.11%	0.16%	0.34%	-0.53%
BSJI	Guggenheim BulletShares High Yield Corp Bond	High Yield Bonds	0	0.00%	0.00%	0.00%	0.00%	0.00%	-1.34%
XME	SPDR S&P Metals & Mining	Commodity Producers	0	-3.59%	4.30%	5.56%	-4.81%	2.78%	-28.72%
BIV	Vanguard Intermed. Term Bond	Intermediate-Term Bon	0	0.77%	0.31%	0.06%	0.71%	1.27%	-1.25%
BOND	PIMCO Total Return Active Exchange-Traded	Total Bond Market	0	0.57%	0.25%	0.34%	0.71%	0.89%	-0.87%
CLY	iShares 10 Year Credit Bond	Corporate Bonds	0	0.00%	0.00%	0.00%	0.00%	0.00%	-100.00%
IEF	iShares Lehman 7-10 Yr Treasury	Government Bonds	0	1.01%	-0.29%	-0.38%	1.00%	0.88%	-2.50%
RWO	SPDR DJ Wilshire Global Real Estate	Global Real Estate	0	1.46%	0.91%	-1.90%	1.52%	2.32%	-2.14%
SCHO	Schwab Short-Term U.S. Treasury	Government Bonds	0	0.26%	-0.04%	-0.10%	0.10%	0.14%	-0.82%
SCHP	Schwab U.S. TIPs	Inflation-Protected Bon	0	0.55%	0.39%	0.42%	0.62%	1.03%	-1.30%
SCHR	Schwab Intermediate-Term U.S. Treasury	Government Bonds	0	0.73%	-0.14%	-0.29%	0.55%	0.50%	-1.69%
SHY	iShares Lehman 1-3 Year Treasury	Government Bonds	0	0.25%	-0.01%	-0.08%	0.14%	0.14%	-0.70%
TOTL	SPDR DoubleLine Total Return Tactical	Total Bond Market	0	0.02%	0.27%	-0.06%	0.20%	0.33%	-2.31%
IEI	iShares Lehman 3-7 Yr. Treasury	Government Bonds	0	0.65%	-0.06%	-0.13%	0.45%	0.51%	-1.34%
VCSH	Vanguard Short-Term Corporate Bond	Corporate Bonds	0	0.22%	0.21%	0.06%	0.17%	0.65%	-0.15%
GVI	iShares Lehman Intermed. Govt/Credit	Total Bond Market	0	0.56%	0.12%	0.03%	0.46%	0.73%	-0.69%
GOVT	iShares Core U.S. Treasury Bond	Government Bonds	0	0.73%	-0.19%	-0.23%	0.73%	0.72%	-1.99%
VGIT	Vanguard Intermediate-Term Gov Bonds	Government Bonds	0	0.53%	-0.15%	-0.27%	0.50%	0.51%	-1.69%
FXE	CurrencyShares Euro Currency Trust	Currency	0	0.06%	0.59%	0.13%	-0.71%	-0.30%	-12.39%
FLOT	iShares Floating Rate Bond	Corporate Bonds	0	0.22%	0.10%	0.06%	0.16%	0.20%	-0.10%
EWP	iShares Spain Index	Europe Stock	0	-0.31%	2.13%	-0.38%	-0.28%	1.14%	-20.72%
VNQI	Vanguard Global ex-U.S. Real Estate	Global Real Estate	0	2.91%	-1.01%	-1.93%	0.85%	0.80%	-8.67%
FTSM	First Trust Enhanced Short Maturity	Total Bond Market	0	0.03%	0.00%	-0.03%	0.12%	0.07%	-0.07%
VGLTF	Vanguard Long-Term Government Bonds	Government Bonds	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
FTGC	First Trust Global Tactical Commodity Strategy	Commodities	0	0.00%	1.35%	0.92%	-1.00%	1.77%	-14.59%
FLTB	Fidelity Limited Term Bond	Corporate Bonds	0	0.16%	0.02%	-0.02%	0.33%	0.56%	-0.27%
VGSH	Vanguard Short-Term Government	Government Bonds	0	0.12%	-0.02%	-0.11%	0.12%	0.12%	-0.91%
IXC	S&P Global Energy	Energy Equities	0	0.95%	-1.73%	-0.10%	-0.23%	-1.57%	-21.96%
ILF	iShares S&P 40 Latin America	Latin America Stock	0	-2.12%	3.71%	0.12%	-2.03%	1.63%	-15.82%
GSG	iShares GSCI Commodity Index	Commodities.	0	-1.98%	1.47%	2.46%	-2.28%	1.97%	-15.33%
DJP	Bloomberg Commodity Index	Commodities	0	-1.02%	1.54%	0.45%	-1.92%	1.42%	-12.66%
IYE	Dow Jones US Energy	Specialty-Natural Res.	0	0.67%	-0.97%	0.44%	-0.94%	-2.80%	-26.87%
BWX	SPDR Lehman Intl Treasury Bond	World Gov Bond	0	0.18%	0.28%	-0.63%	-0.63%	0.21%	-3.34%
VTIP	Vanguard Short-Term Inflation-Protected Securities	Inflation-Protected Bon	0	-0.44%	0.02%	0.24%	0.08%	0.09%	-0.84%
XLE	Energy Select Sector *	Energy Equities	-1	-3.05%	-0.88%	0.78%	-0.75%	-2.21%	-24.60%
ECH	iShares Chile Index	Latin America	-1	0.33%	4.63%	-8.90%	1.05%	-9.98%	-40.02%
UUP	PowerShares DB US Dollar Bullish	Currency	-1	-1.80%	-2.24%	-1.76%	0.96%	-1.02%	-3.21%
USO	U.S. Oil Fund	Oil & Gas.	-1	-3.83%	0.74%	4.77%	-3.98%	2.57%	-23.57%
FXI	CurrencyShares Japanese Yen Trust	Currency	-1	-0.79%	-1.39%	-1.42%	-1.35%	-1.73%	-10.79%

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DBC	PowerShares DB Commodity Index	Commodities	-1	-2.54%	0.64%	1.29%	-1.50%	1.31%	-15.21%
THD	iShares Thailand Capped Invest Mrkt Idx	Emerging Markets Equi	-1	-0.10%	-0.90%	-2.16%	-0.74%	-3.28%	-14.75%
EPHE	iShares MSCI Philippines	Emerging Markets Equi	-2	-0.71%	-2.44%	-3.23%	-2.27%	-2.95%	-16.96%
BNDX	Vanguard Total International Bond	Total Bond Market	-2	-1.86%	-2.15%	-2.67%	0.46%	-1.35%	-4.02%
TBF	ProShares Short 20+Year Treasury	Inverse Bonds	-2	-2.35%	-0.37%	-0.93%	-2.75%	-3.89%	-21.92%
TBT	ProShares UltraShort Lehman 20 Yr Treas	Leveraged Bonds	-3	-4.37%	-0.63%	-2.03%	-5.20%	-8.25%	-41.05%
EZA	iShares South Africa Index	Emerging Markets Equi	-3	-0.39%	-6.50%	-4.70%	-1.18%	-5.69%	-36.23%
EFZ	ProSharesShort MSCI EAFE	Inverse Equities	-3	-1.88%	-4.68%	-5.69%	-1.23%	-7.44%	-32.70%
RWX	SPDR DJ Wil Intern. RE	Real Estate	-3	-3.89%	-3.44%	-4.43%	0.62%	-0.92%	-9.51%
DOG	ProShares Short Dow 30	Bear Market	-5	-3.40%	-5.59%	-8.92%	-2.83%	-8.89%	-46.33%
RWM	ProShares Short Russell2000	Inverse Equities	-5	-2.48%	-7.43%	-9.50%	-1.93%	-9.32%	-42.78%
SH	Short S&P 500 ProShares ETF	Inverse Equities	-6	-3.71%	-6.74%	-9.56%	-2.79%	-10.41%	-43.89%
PSQ	ProShares Short QQQ	Inverse Equities	-8	-5.51%	-9.58%	-12.89%	-4.43%	-13.95%	-57.73%
HDGE	Ranger Equity Bear	Inverse Equities	-11	-6.58%	-13.68%	-19.91%	-4.66%	-19.58%	-54.50%
UNG	U.S. Natural Gas Fund	Oil & Gas	-13	-8.64%	-20.32%	-17.54%	-4.80%	-19.78%	-81.79%
PIN	PowerShares India Portfolio	Emerging Markets Equi	-14	-20.75%	-18.24%	-17.81%	1.71%	-16.59%	-61.72%
SGOL	ETFS Physical Swiss Gold Shares	Precious Metals	-19	4.98%	5.95%	-89.66%	2.26%	-85.80%	-90.02%