

# HV ETF Cutline Report: As of 12/1/2023

Ticker	ETF Name	Orientation	%M/A		4 wk	8 wk	12 wk	YTD	M-Index	DD%
IGV	iShares North American Tech-Software	Technology Equities	18.80%	+245	13.61%	13.97%	9.24%	55.33	23	-11.00%
IYW	Dow Jones US Technology	Technology Equities	13.38%	+244	8.32%	8.98%	6.92%	57.97	21	0.00%
ITB	iShares DJ US Home Construction	Building and Constructi	13.13%	+243	10.20%	17.26%	5.84%	47.74	20	0.00%
XHB	SPDR Series Trust SPDR Home Builders	Building & Construction	13.12%	+242	10.34%	14.02%	5.18%	41.68	18	-0.94%
XLK	Technology Select *	Technology Equities	12.55%	+241	8.05%	10.32%	7.40%	49.13	19	0.00%
KBE	SPDR S&P Bank	Specialty-Financial	12.39%	+240	9.34%	15.78%	10.14%	-6.89	7	-30.41%
EWZ	iShares Brazil Index	Latin America Stock	12.37%	+239	7.90%	17.27%	12.56%	23.06	15	-28.90%
SMH	VanEch Vectors Semiconductor	Technology Equities	12.16%	+238	7.77%	8.61%	7.15%	58.80	21	-2.29%
DXJ	Wisdom Tree Japan Hedged Equity	Japan Stock	11.88%	+237	0.65%	5.78%	3.67%	41.95	13	-0.69%
VGT	Vanguard Info Technology	Technolgy Equities	11.29%	+236	8.59%	9.54%	6.51%	45.47	18	-0.31%
MGK	Vanguard Mega Cap Growth	Large Cap Growth Equi	11.21%	+235	6.97%	7.97%	5.23%	45.86	17	-5.05%
XME	SPDR S&P Metals & Mining	Commodity Producers	10.97%	+234	9.86%	10.71%	9.39%	12.93	11	-14.58%
SCHG	Schwab U.S. Large-Cap Growth	Large Cap Growth Equi	10.96%	+233	6.68%	7.30%	5.19%	43.68	16	-52.14%
VUG	Vanguard Growth	Large Cap Growth	10.40%	+232	7.05%	7.80%	4.89%	40.59	15	-8.00%
KRE	SPDR S&P Region.Banking	Specialty-Financial	10.37%	+231	8.80%	15.50%	9.46%	-19.20	4	-39.76%
QQQ	PowerShares QQQ Trust, Series 1	Large Growth	10.31%	+230	6.05%	6.92%	4.66%	46.44	16	-3.48%
AGQ	ProShares Ultra Silver	Leveraged Commoditie	10.17%	+229	19.68%	37.44%	19.77%	-1.00	19	-54.55%
IWF	Russell 1000 Growth	Large Growth	10.12%	+228	6.70%	7.55%	4.87%	36.28	14	-5.67%
ILF	iShares S&P 40 Latin America	Latin America Stock	9.92%	+227	6.89%	16.30%	11.29%	24.03	15	-28.13%
HEWJ	iShares Currency Hedged MSCI Japan	Japan Equities	9.81%	+226	0.65%	5.72%	3.39%	36.39	12	-14.52%
IYF	Dow Jones US Financial Sector	Specialty-Financial	9.39%	+225	7.21%	9.80%	6.26%	7.95	8	-43.19%
KIE	SPDR S&P Insurance	Specialty-Financial	9.22%	+224	4.02%	5.95%	6.62%	10.48	7	-51.79%
SOXX	iShares PHLX SOX Semiconductor Secto	Technology Equities	9.19%	+223	8.58%	7.47%	4.48%	48.30	17	-7.12%
EWP	iShares Spain Index	Europe Stock	9.17%	+222	10.16%	13.34%	11.04%	26.88	15	-15.34%
PEZ	PowerShares Consumer Cyclical	All Cap Equities	9.13%	+221	10.97%	17.81%	7.13%	15.19	13	-27.86%
VFH	Vanguard Financials	Financials Equities	8.76%	+220	7.47%	9.95%	5.57%	6.23	7	-13.63%
PIN	PowerShares India Portfolio	Emerging Markets Equi	8.67%	+219	5.72%	3.80%	1.91%	15.45	7	-53.44%
KBWB	PowerShares KBW Bank Portfolio	Financials Equities	8.37%	+218	9.88%	15.41%	8.47%	-12.94	5	-40.67%
INDA	iShares MSCI India	Emerging Markets Equi	8.23%	+217	5.10%	4.08%	3.07%	11.16	6	-8.63%
GDXJ	VanEck Vectors Junior Gold Miners	Commodity Producers	8.19%	+216	11.16%	23.91%	15.86%	10.63	15	-38.42%
XLF	Financial Select Sector *	Financial Equities	8.17%	+215	7.08%	9.47%	5.45%	5.76	7	-12.68%
VCR	Vanguard Consumer Discretionary	Consumer Discretionar	8.14%	+214	7.35%	8.56%	2.16%	32.26	13	-18.55%
IYG	Dow Jones US Financial Serv's	Specialty-Financial	8.11%	+213	7.90%	10.08%	5.09%	7.27	8	-16.99%
VOX	Vanguard Telecom Serv's	Communication Equitie	8.03%	+212	3.60%	4.98%	4.28%	36.78	12	-25.33%
DBJP	Deutsche X-Trackers MSCI Japan Hedge	Japan Equities	7.97%	+211	0.59%	5.75%	3.24%	30.45	10	-0.73%
XRT	SPDR S&P Retail *	Consumer Discretionar	7.81%	+210	8.01%	13.99%	8.18%	10.92	10	-35.63%
FXO	1st Trust Financials AlphaDEX	Financial Equities	7.79%	+209	7.18%	9.76%	4.68%	-0.10	5	-15.82%
SLV	iShares Silver Trust	Precious Metals	7.79%	+208	9.94%	18.25%	11.04%	5.95	11	-13.59%
QUAL	iShares Edge MSCI USA Quality Factor	All Cap Equities	7.77%	+207	5.13%	6.39%	3.26%	24.53	10	-3.00%
XLY	Consumer Discretionary Sec.*	Consumer Discretionar	7.38%	+206	6.78%	6.53%	1.39%	32.46	12	-19.08%
IYC	iShares US Consumer Services	Consumer Discretionar	7.29%	+205	6.82%	8.90%	2.98%	26.97	11	-73.89%

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VV	Vanguard LargeCap	Large Cap Blend	7.22%	+204	5.84%	7.08%	3.28%	21.06	9	-4.90%
IWP	Russell MidCap Growth	Mid-Cap Growth	7.15%	+203	8.84%	8.58%	4.44%	18.55	10	-19.61%
ITA	iShares DJ US Aerospace&Defense	Industrials Equities	7.13%	+202	6.93%	16.51%	8.16%	8.42	10	-49.42%
SCHX	Schwab U.S. Large-Cap	Large Cap Blend Equiti	7.07%	+201	5.90%	7.07%	3.17%	20.49	9	-52.52%
IWB	Russell 1000 Index	Large Blend	6.94%	+200	5.86%	7.06%	3.03%	19.99	9	-5.07%
SPYG	S&P 500 Growth	Large Cap Growth	6.88%	+199	5.08%	5.16%	2.33%	24.57	9	-14.10%
VOOG	Vanguard S&P 500 Growth	Large Cap Growth Equi	6.86%	+198	5.10%	5.15%	2.32%	24.59	9	-14.10%
EWT	iShares Taiwan Index	Pacific Asia/excl. Japan	6.83%	+197	7.17%	7.57%	8.57%	22.06	11	-27.67%
IVW	S&P 500/BARRA Growth	Large Growth	6.83%	+196	5.09%	5.12%	2.26%	24.51	9	-14.11%
SCHB	Schwab U.S. Broad Market	All Cap Equities	6.82%	+195	5.96%	7.13%	3.02%	19.44	9	-52.93%
DIA	SPDR Dow Jones Industrial Average	Large Cap Value	6.81%	+194	6.59%	8.67%	4.77%	9.57	7	-1.31%
VTI	Total Stock Market VIPERs	All Cap Equities	6.81%	+193	5.92%	7.14%	3.05%	19.34	9	-6.09%
SPY	SPDR S&P 500	Large Cap Blend	6.80%	+192	5.62%	6.88%	3.05%	20.05	9	-3.90%
VOO	Vanguard S&P 500	Large Cap Blend Equiti	6.76%	+191	5.61%	6.92%	3.05%	20.07	9	-3.96%
VXF	Vanguard Extended Markets VIPERs	Mid Cap Blend	6.76%	+190	8.04%	8.39%	2.90%	15.26	9	-23.43%
IVV	S&P 500	Large Blend	6.75%	+189	5.62%	6.90%	2.96%	20.02	9	-3.90%
ITOT	iShares Core S&P Total U.S. Stock Marke	All Cap Equities	6.74%	+188	5.96%	7.08%	2.89%	19.27	9	-6.03%
IWV	Russell 3000 Index	All Cap Equities	6.73%	+187	5.89%	7.03%	2.91%	19.20	9	-5.76%
IUSG	iShares Core U.S. Growth	Large Cap Growth Equi	6.71%	+186	5.14%	5.22%	2.23%	23.72	9	-13.91%
GSLC	Goldman Sachs ActiveBeta U.S. Large C	Large Cap Blend Equiti	6.70%	+185	5.53%	7.09%	3.33%	18.88	9	-5.35%
EWD	iShares Sweden Index	Europe Stock	6.68%	+184	11.22%	11.11%	12.47%	13.80	12	-25.51%
IVE	S&P 500/BARRA Value	Large Value	6.61%	+183	6.20%	9.01%	3.76%	15.05	9	0.00%
IYT	Dow Jones Transportation	Transportation Equities	6.41%	+182	10.58%	8.44%	3.99%	17.71	10	-10.21%
VIS	Vanguard Industrials	industrials Equities	6.40%	+181	7.54%	7.84%	3.26%	14.44	8	-1.69%
IYJ	Dow Jones US Industrial	Industrial Equities	6.35%	+180	7.63%	8.06%	3.14%	12.69	8	-43.67%
RING	iShares MCSI Global Gold Miners Fund	Commodity Producers	6.32%	+179	8.39%	21.05%	13.80%	12.27	14	-32.06%
EWI	iShares Italy Index	Europe Stock	6.30%	+178	5.78%	10.10%	6.52%	23.05	11	-3.83%
URE	ProShares Ultra Real Estate	Leveraged Real Estate	6.21%	+177	15.86%	25.72%	5.74%	-1.63	11	-51.05%
FV	First Trust Dorsey Wright Focus 5	Large Cap Value Equiti	6.21%	+176	8.97%	8.63%	4.17%	3.05	6	-6.89%
INDY	iShares S&P India Nifty 50 Index Fund	Emerging Markets Equi	6.17%	+175	4.51%	2.68%	1.65%	10.66	5	-12.78%
FEX	First Trust Large Cap Core AlphaDEX	Large Cap Blend Equity	6.12%	+174	6.11%	8.04%	3.37%	8.39	6	-6.66%
PKW	PowerShares Buyback Achievers	All Cap Equities	6.02%	+173	4.37%	5.82%	1.16%	9.37	5	-4.62%
IAU	iShares Gold Trust	Precious Metals	5.96%	+172	3.92%	13.19%	7.87%	13.36	10	-0.53%
MTUM	iShares Edge MSCI USA Momentum Fact	All Cap Equities	5.93%	+171	4.70%	7.12%	3.17%	3.14	5	-22.32%
GLD	SPDR Gold Shares	Precious Metals	5.89%	+170	3.91%	13.15%	7.82%	13.19	10	-0.97%
EWW	iShares Mexico Index	Latin America Stock	5.79%	+169	7.17%	16.61%	7.44%	29.02	15	-2.39%
TBT	ProShares UltraShort Lehman 20 Yr Trea	Leveraged Bonds	5.69%	+168	-11.34%	-17.87%	0.55%	7.72	-5	-21.41%
PDP	PowerShares DWA Momentum Portfolio	All Cap Equities	5.68%	+167	5.91%	6.25%	1.92%	15.10	7	-18.98%
FNDX	Schwab Fundamental U.S. Large Compa	Large Cap Value Equiti	5.61%	+166	5.19%	7.24%	2.85%	11.41	7	-0.60%
XLI	Industrial Select Sector *	Industrial Equities	5.57%	+165	7.03%	7.90%	2.94%	10.72	7	-1.81%
FXD	First Trust Cons. Discret. AlphaDEX	Consumer Discretionar	5.47%	+164	8.31%	11.09%	3.75%	14.41	9	-15.95%
TUR	iShares Turkey Investment Index	Emerging Markets Equi	5.46%	+163	2.56%	-9.65%	-9.14%	-3.57	-5	-24.28%
VOT	Vanguard Mid-Cap Growth	Mid-Cap Growth	5.45%	+162	8.11%	6.86%	2.20%	15.44	8	-21.93%
ACWI	iShares MSCI ACWI	Global Equities	5.40%	+161	5.29%	6.78%	3.59%	16.34	8	-7.91%

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VBR	Vanguard SmallCap Value	Small Cap Value	5.36%	+160	5.91%	8.47%	3.02%	6.61	6	-8.85%
DES	Wisdom Tree SmallCap Div.	Small Cap Value	5.33%	+159	5.16%	8.55%	3.99%	5.38	6	-64.92%
SPHQ	PowerShares S&P 500 Quality Portfolio	Large Cap Blend Equiti	5.29%	+158	3.90%	3.88%	0.58%	18.61	7	-2.85%
DON	Wisdom Tree MidCap Div.	Mid-Cap Value	5.28%	+157	5.31%	8.03%	3.21%	5.64	6	-57.17%
SIL	Global X Silver Miners	Commodity Producers	5.27%	+156	12.60%	21.64%	13.41%	0.57	12	-47.14%
VT	Vanguard Total World Stock Index	Global Equities	5.13%	+155	5.42%	6.90%	3.04%	15.40	8	-8.94%
IWR	Russell MidCap Index Fs	Mid-Cap Blend	4.92%	+154	7.03%	7.86%	2.44%	9.50	7	-67.04%
VIG	Vanguard Div. Appreciation	Large Cap Value Equiti	4.81%	+153	5.09%	6.94%	2.71%	9.17	6	-3.74%
USMV	iShares Edge MSCI Min Vol USA	All Cap Equities	4.64%	+152	4.29%	6.42%	2.88%	6.63	5	-5.13%
VO	Vanguard Mid-Cap	Mid-Cap Blend	4.63%	+151	6.76%	7.48%	2.26%	8.85	6	-15.07%
IEO	iShares DJ Oil & Gas Expl.&Prod.	Energy Equities	4.62%	+150	-3.51%	1.52%	-6.22%	1.86	-2	-10.71%
GDX	Mkt Vector Gold Miners	Specialty-Precious Met	4.61%	+149	7.94%	18.30%	12.24%	10.99	12	-28.57%
ICF	Cohen & Steers Realty	Real Estate	4.51%	+148	8.31%	13.53%	4.01%	2.22	7	-55.50%
EWJ	iShares Japan Index	Japan Stock	4.44%	+147	1.95%	6.45%	2.60%	16.11	7	-14.72%
VB	Vanguard SmallCap	Small Cap Blend	4.40%	+146	6.61%	7.68%	1.78%	8.84	6	-16.55%
SCHM	Schwab U.S. Mid Cap	Mid Cap Blend Equities	4.35%	+145	6.84%	7.08%	1.48%	8.79	6	-14.40%
IWN	Russell 2000 Value	Small Value	4.32%	+144	5.49%	8.64%	2.15%	3.49	5	-18.87%
PCY	PowerShares Emerging Markets Sovereig	Emerging Markets Bon	4.28%	+143	5.89%	11.63%	3.67%	5.89	7	-36.12%
IYR	Dow Jones US Real Estate	Real Estate	4.22%	+142	8.17%	12.77%	2.72%	2.83	7	-25.46%
SCHH	Schwab U.S. REIT	Real Estate	4.22%	+141	7.84%	13.04%	3.47%	2.02	7	-62.65%
RPV	Guggenheim S&P 500 Pure Value	Large Value	4.20%	+140	6.60%	9.21%	2.96%	0.23	5	-12.60%
FXN	1st Trust Energy AlphaDEX	Energy Equities	4.19%	+139	-4.22%	1.19%	-4.81%	-0.41	-2	-12.27%
XLB	Materials Select Sector *	Materials	4.19%	+138	5.79%	6.87%	1.89%	7.30	5	-8.01%
VAW	Vanguard Materials VIPERS	Materials	4.17%	+137	6.19%	7.35%	2.24%	7.57	6	-8.22%
EFV	MSCI EAFE iShares Value Index	Foreign Large Cap Equ	4.17%	+136	4.39%	5.62%	4.35%	11.33	6	-14.25%
IJK	S&P MidCap 400/BARRA Growth	Mid-Cap Growth	4.14%	+135	5.41%	6.05%	1.67%	10.66	6	-70.59%
MDY	MidCap Trust Series I	Mid-Cap Blend	4.10%	+134	6.00%	7.04%	1.93%	8.45	6	-9.57%
IJH	S&P MidCap 400	Mid-Cap Blend	4.07%	+133	6.04%	7.10%	1.88%	8.41	6	-9.74%
VLUE	iShares Edge MSCI USA Value Factor	Large Cap Value Equiti	4.05%	+132	4.64%	7.00%	1.85%	4.98	5	-16.74%
IJJ	S&P MidCap 400/BARRA Value	Mid-Cap Blend	3.95%	+131	6.74%	8.30%	2.09%	5.93	6	-38.29%
SCHA	Schwab U.S. Small-Cap	Small Cap Blend Equiti	3.92%	+130	6.84%	7.92%	1.44%	8.00	6	-60.28%
IWS	Russell MidCap Value	Mid-Cap Value	3.90%	+129	6.31%	7.62%	1.65%	4.91	5	-10.58%
RSP	Guggenheim S&P Equal Weight	Large Blend	3.86%	+128	6.31%	7.52%	1.95%	6.57	6	-8.33%
VOE	Vanguard Mid Cap Value	Mid-Cap Value	3.85%	+127	5.57%	8.08%	2.33%	3.11	5	-8.96%
TBF	ProShares Short 20+Year Treasury	Inverse Bonds	3.83%	+126	-5.52%	-8.66%	0.80%	5.56	-2	-11.04%
VNQ	Vanguard REIT Index	Real Estate	3.80%	+125	7.93%	12.67%	2.65%	1.53	6	-27.82%
HEZU	iShares Currency Hedged MSCI Eurozon	Europe Equities	3.76%	+124	6.20%	7.00%	4.54%	17.71	9	-16.02%
EWC	iShares Canada Index	Foreign Large Cap Equ	3.70%	+123	5.00%	8.30%	4.35%	8.43	7	-12.72%
HEWG	iShares Currency Hedged MSCI Germany	Europe Equities	3.63%	+122	8.87%	7.76%	5.07%	17.33	10	-6.88%
IYM	Dow Jones US Basic Mat's	Materials	3.60%	+121	5.77%	7.41%	1.97%	7.24	6	-13.13%
FEZ	SPDR Euro Stoxx 50	Europe Stock	3.57%	+120	7.57%	9.46%	6.25%	18.99	11	-6.69%
HEFA	iShares Currency Hedged MSCI EAFE	Foreign Large Cap Equ	3.54%	+119	3.21%	4.28%	2.84%	15.48	6	-14.18%
IWD	Russell 1000 Value	Large Value	3.39%	+118	4.87%	6.45%	1.06%	4.99	4	-6.62%
VTV	Vanguard Value	Large Cap Value	3.38%	+117	4.29%	6.23%	1.33%	2.96	4	-4.16%

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EZU	European Monetary Union Index	Europe Stock	3.36%	+116	7.43%	9.29%	5.55%	16.52	10	-10.75%
EWG	iShares Germany Index	Europe Stock	3.32%	+115	9.87%	10.12%	5.98%	16.17	11	-21.24%
PXF	PowerShares FTSE RAFI Developed Mar	Foreign Large Cap Equ	3.28%	+114	4.79%	6.79%	3.40%	10.57	6	-8.83%
VBK	Vanguard SmallCap Growth	Small Cap Growth	3.25%	+113	7.75%	6.69%	0.13%	12.27	7	-26.37%
SCHF	Schwab International Equity	Foreign Large Cap Equ	3.18%	+112	5.07%	7.06%	3.98%	12.05	7	-11.63%
IJT	S&P SmallCap 600/BARRA Growth	Small Growth	3.18%	+111	4.87%	5.76%	1.13%	5.98	4	-45.22%
VNQI	Vanguard Global ex-U.S. Real Estate	Global Real Estate	3.12%	+110	4.21%	7.22%	3.15%	0.63	4	-36.14%
DGRO	iShares Core Dividend Growth	Large Cap Value Equiti	3.10%	+109	4.53%	6.35%	1.13%	4.20	4	-7.06%
SCHV	Schwab U.S. Large-Cap Value	Large Cap Value Equiti	3.09%	+108	4.97%	6.68%	1.01%	2.61	4	-8.69%
DBA	PowerShares DB Agriculture Fd	Agriculture Commoditie	3.08%	+107	-1.70%	2.04%	0.78%	9.28	3	-4.09%
RWR	Wilshire REIT Fund	Real Estate	3.06%	+106	7.27%	10.41%	1.19%	3.30	6	-26.30%
IJR	S&P Sm.Cap 600	Small Blend	2.93%	+105	5.13%	7.49%	1.63%	4.66	5	-17.68%
IEV	S&P Europe 350 Index	Europe Stock	2.90%	+104	6.72%	7.46%	4.60%	12.87	8	-8.32%
FPE	First Trust Preferred Securities and Incom	Preferred Stock	2.89%	+103	2.56%	5.04%	2.17%	-2.08	2	-20.72%
EWN	iShares Netherlands Index	Europe Stock	2.87%	+102	7.49%	11.47%	7.06%	14.02	10	-21.05%
IWM	Russell 2000	Small Blend	2.85%	+101	5.97%	6.88%	0.54%	6.05	5	-23.77%
IHDG	WisdomTree International Hedged Divide	Foreign Large Cap Equ	2.79%	+100	4.56%	4.64%	2.32%	13.92	6	-12.60%
EWA	iShares Australia Index	Asia Pacific Equities	2.78%	+99	5.14%	7.05%	5.67%	3.15	5	-16.25%
IGE	iShares North American Natural Resource	Commodity Producers	2.77%	+98	-0.07%	2.89%	-3.69%	0.81	0	-9.77%
EFA	MSCI EAFE iShares Index Fd	Foreign Large Cap Equ	2.75%	+97	5.05%	6.80%	3.96%	11.49	7	-10.90%
PEY	PowerShares Hi Yields Div. Achiev's	Mid-Cap Value	2.73%	+96	4.01%	7.19%	-0.40%	-3.43	2	-11.12%
IXC	S&P Global Energy	Energy Equities	2.69%	+95	-1.09%	1.30%	-3.63%	2.15	0	-6.50%
PHB	PowerShares High Yield Corp Bond	High Yield Bonds	2.69%	+94	2.30%	5.26%	2.53%	4.09	4	-9.41%
VGK	Vanguard European	Europe Equities	2.65%	+93	6.82%	7.85%	4.40%	12.21	8	-11.88%
IEFA	iShares Core MSCI EAFE	Foreign Large Cap Equ	2.62%	+92	5.02%	6.74%	3.72%	10.74	7	-12.71%
VEA	Vanguard FTSE Developed Markets	Foreign Large Cap	2.62%	+91	5.07%	7.08%	3.20%	10.63	6	-13.10%
VSS	Vanguard FTSE All-Wld ex-US SmCP Idx	Foreign Small & Mid Ca	2.61%	+90	5.42%	6.87%	2.23%	8.85	6	-21.20%
IXUS	iShares Core MSCI Total International Sto	Global Equities	2.57%	+89	4.64%	6.37%	3.33%	9.42	6	-16.15%
VYM	Vanguard High Div. Yield Index	Large Cap Value	2.56%	+88	3.87%	6.45%	0.85%	-0.34	3	-6.23%
ACWX	iShares MSCI ACWI ex US	Global Equities	2.54%	+87	4.52%	6.49%	3.60%	9.34	6	-15.88%
EMB	iShares Emerging Markets Bond	Emerging Market Bond	2.50%	+86	3.99%	7.57%	2.53%	2.67	4	-26.38%
DEM	WisdomTree Emerg. Mkts Hi-Yld E.	Emerging Mkts Equities	2.49%	+85	3.37%	5.82%	0.87%	10.27	5	-21.84%
DBEF	Deutsche X-Trackers MSCI EAFE Hedge	Foreign Large Cap Equ	2.49%	+84	3.20%	4.24%	2.70%	12.22	6	-9.44%
IJS	S&P SmallCap 600/BARRA Value	Small Value	2.46%	+83	5.35%	9.01%	1.95%	3.08	5	-45.67%
IEMG	iShares Core MSCI Emerging Markets	Emerging Markets Equi	2.44%	+82	3.70%	5.23%	2.67%	6.90	5	-28.13%
FM	iShares MSCI Frontier 100 Fund	Emerging Markets Equi	2.44%	+81	4.18%	3.45%	-1.19%	4.63	3	-26.71%
VPL	Vanguard Pacific ETF	Asia Pacific Equities	2.44%	+80	2.63%	5.92%	1.99%	8.97	5	-18.14%
VEU	Vanguard FTSE All-Word ex-US	Global Equities	2.42%	+79	4.48%	6.29%	2.93%	9.27	6	-16.07%
RWO	SPDR DJ Wilshire Global Real Estate	Global Real Estate	2.39%	+78	6.18%	9.75%	1.58%	0.76	5	-27.13%
VXUS	Vanguard Total International Stock	Global Equities	2.37%	+77	4.59%	6.26%	2.86%	9.22	6	-16.31%
EWY	iShares S. Korea Index	Pacific Asia/excl. Japan	2.36%	+76	6.12%	8.04%	2.48%	12.11	7	-34.19%
PGF	PowerShares Fin. Preferred Portf.	Specialty-Financial	2.30%	+75	3.49%	7.94%	2.39%	1.04	4	-25.50%
VRP	PowerShares Variable Rate Preferred Por	Preferred Stock	2.16%	+74	1.75%	3.46%	0.71%	1.43	2	-14.20%
HYG	iShares Lehman Hi-Yield Corp.	High Yield Bond	2.15%	+73	2.12%	4.54%	1.84%	3.21	3	-14.59%

Ticker	ETF Name	Orientation	%M/A		4 wk	8 wk	12 wk	YTD	M-Index	DD%
IHF	iShares DJ US Healthcare Provid's	Health & Biotech Equiti	2.13%	+72	3.22%	2.85%	4.04%	-3.96	2	-13.11%
GNR	SPDR S&P Global Natural Resources	Commodity Producers	2.13%	+71	2.88%	4.01%	1.58%	-0.95	2	-13.48%
ACWV	iShares Edge MSCI Min Vol Global	Global Equities	2.08%	+70	2.76%	4.40%	1.98%	4.45	3	-8.34%
IVOV	Vanguard S&P Mid-Cap 400 Value	Mid Cap Value Equities	2.05%	+69	6.86%	8.39%	2.84%	-46.21	-7	-53.35%
EWU	iShares United Kingdom Index	Europe Stock	2.00%	+68	4.95%	4.45%	3.56%	7.24	5	-13.20%
JNK	Barclays Cap. High Yield Bond	High Yield Bond	1.90%	+67	1.86%	4.38%	1.56%	3.27	3	-71.39%
BNDX	Vanguard Total International Bond	Total Bond Market	1.88%	+66	2.42%	4.11%	2.17%	4.24	3	-16.51%
UUP	PowerShares DB US Dollar Bullish	Currency	1.84%	+65	-1.38%	-1.82%	-0.44%	5.00	0	-4.79%
FDL	1st Trust Morningstar Div. Lead's	Large Cap Value	1.83%	+64	4.42%	6.59%	0.98%	-4.43	2	-10.82%
CWB	SPDR Barclays Convertible Securities	Convertible Bonds	1.82%	+63	3.84%	3.06%	-0.03%	7.27	4	-25.14%
SCHC	Schwab International SmallCap Equ.	Foreign Small/Mid Blen	1.82%	+62	4.99%	7.01%	2.11%	7.72	5	-23.09%
PGX	PowerShares Preferred Portfolio	Preferred Stock/Conver	1.81%	+61	3.74%	8.40%	2.07%	1.61	4	-26.57%
VWOB	Vanguard Emerging Markets Gov Bonds	Emerging Markets Bon	1.74%	+60	4.01%	7.07%	1.91%	1.61	4	-25.59%
SCHE	Schwab Emerging Markets Equity	Emerging Markets Equi	1.72%	+59	2.77%	4.07%	2.06%	4.90	3	-28.30%
EEM	iShares Emerging Mkts Index	Emerging Mkts Equities	1.66%	+58	3.30%	5.02%	2.63%	4.83	4	-31.45%
FXB	CurrencyShares British Pound	Currency	1.64%	+57	2.69%	3.76%	1.97%	5.14	3	-16.05%
HYS	PIMCO 0-5 Year High Yield Corp Bond	High Yield Bonds	1.63%	+56	1.47%	2.84%	1.27%	2.94	2	-9.86%
EZA	iShares South Africa Index	Emerging Markets Equi	1.63%	+55	0.67%	10.36%	6.17%	-3.80	3	-46.30%
DBEU	Deutsche X-Trackers MSCI Europe Hedg	Europe Equities	1.62%	+54	4.70%	4.26%	2.88%	10.00	5	-3.11%
SCHD	Schwab US Dividend Equity	All Cap Equities	1.60%	+53	4.13%	5.06%	-0.71%	-3.16	1	-10.73%
PFF	iShares S&P Preferred Stock	Preferred Stock/Conver	1.56%	+52	2.77%	6.72%	1.25%	0.95	3	-23.49%
IDV	iShares International Select Dividend	Foreign Large Cap Equ	1.56%	+51	5.06%	7.14%	3.57%	-0.55	4	-24.72%
VWO	Vanguard Emerging Markets	Emerging Markets Equi	1.50%	+50	3.26%	4.35%	1.49%	4.67	3	-27.77%
DWX	SPDR S&P International Dividend	Foreign Large Cap Equ	1.49%	+49	3.21%	6.47%	1.91%	7.49	5	-19.04%
SPHD	PowerShares S&P 500 HiDivLowVol	Large Cap Value	1.44%	+48	4.70%	7.96%	1.70%	-5.91	2	-16.25%
SHYG	iShares 0-5 Year High Yield Corporate Bo	High Yield Bonds	1.41%	+47	1.16%	3.04%	1.14%	2.10	2	-13.08%
SCZ	iShares MSCI EAFE Small-Cap	Foreign Small & Mid Ca	1.35%	+46	4.90%	6.81%	2.31%	4.90	5	-25.08%
DVY	iShares Select Dividend Index	Large Cap Value	1.34%	+45	4.54%	8.28%	1.52%	-5.51	2	-13.76%
IFGL	iShares FTSE EPRA/NAREIT Global Real	Global Real Estate	1.33%	+44	4.04%	8.48%	2.37%	-3.42	3	-35.86%
VDE	Vanguard Energy VIPERS	Energy Equities	1.30%	+43	-2.41%	-0.69%	-7.46%	-1.68	-3	-9.58%
EWK	iShares Belgium Index	Europe Stock	1.28%	+42	3.97%	7.95%	2.52%	2.34	4	-20.98%
XMLV	PowerShares S&P MidCap Low Volatility	Mid Cap Blend Equities	1.26%	+41	3.26%	5.86%	3.01%	-3.37	2	-11.70%
SJNK	SPDR Barclays Short Term High Yield Bo	High Yield Bonds	1.24%	+40	1.39%	2.86%	0.89%	2.39	2	-11.80%
LQD	iShares iBoxx \$ Liquid Invest. Gr.	Corporate Bonds	1.24%	+39	5.16%	7.19%	2.34%	1.65	4	-22.98%
IWO	Russell 2000 Growth	Small Growth	1.22%	+38	6.47%	5.14%	-1.16%	8.04	5	-31.15%
MUB	iShares S&P National Muni Bond	National Munis	1.22%	+37	3.99%	5.22%	1.85%	1.27	3	-9.39%
PZA	Pshares Insured National Munis	National Munis	1.17%	+36	5.45%	6.89%	2.14%	2.14	4	-14.86%
VCIT	Vanguard Intermediate-Term Corporate B	Corporate Bonds	1.12%	+35	3.88%	5.69%	2.07%	1.91	3	-18.71%
VCSH	Vanguard Short-Term Corporate Bond	Corporate Bonds	1.10%	+34	1.50%	2.27%	1.46%	1.70	2	-8.14%
EFG	iShares MSCI EAFE Growth Index	Foreign Large Cap Equ	1.08%	+33	5.65%	7.63%	3.16%	10.97	7	-18.42%
EWQ	iShares France Index	Europe Stock	1.08%	+32	5.89%	6.49%	2.72%	13.98	7	-6.67%
EWM	iShares Malaysia Index	Emerging Markets Equi	1.06%	+31	0.66%	3.89%	1.71%	-6.48	0	-41.43%
NOBL	ProShares S&P 500 Dividend Aristocrats	Large Cap Value Equiti	1.05%	+30	4.70%	5.77%	-0.88%	2.40	3	-6.64%
SDOG	ALPS Sector Dividend Dogs	Large Cap Value Equiti	1.00%	+29	5.67%	8.35%	0.41%	-3.67	3	-13.75%

Ticker	ETF Name	Orientation	%M/A	4 wk	8 wk	12 wk	YTD	M-Index	DD%	
FLTB	Fidelity Limited Term Bond	Corporate Bonds	0.96%	+28	1.27%	2.03%	1.33%	1.44	2	-7.98%
VCLT	Vanguard Long-Term Corporate Bond	Corporate Bonds	0.92%	+27	7.54%	10.05%	2.33%	0.94	5	-32.35%
SDY	SPDR Dividend ETF	Large Value	0.76%	+26	4.85%	7.19%	0.72%	-3.12	2	-8.41%
BSV	Vanguard Short Term Bond	Total Bond Market	0.72%	+25	1.07%	1.84%	1.29%	1.32	1	-8.44%
XLV	Health Care Select SPDR *	Health & Biotech Equiti	0.71%	+24	3.47%	1.40%	-0.17%	-2.96	0	-7.70%
VTIP	Vanguard Short-Term Inflation-Protected	Inflation-Protected Bon	0.71%	+23	0.72%	2.07%	0.74%	2.23	1	-9.56%
SPLV	PowerShares S&P 500 Low Volat.	Large Cap Blend	0.62%	+22	3.19%	6.11%	1.64%	-3.24	2	-10.93%
XLE	Energy Select Sector *	Energy Equities	0.62%	+21	-1.92%	-0.83%	-7.64%	-2.80	-3	-9.63%
EWL	iShares Switzerland Index	Europe Stock	0.61%	+20	6.11%	5.28%	1.80%	9.30	6	-13.56%
BWX	SPDR Lehman Intl Treasury Bond	World Gov Bond	0.60%	+19	4.14%	7.02%	3.32%	-0.13	4	-28.78%
RWX	SPDR DJ Wil Intern. RE	Real Estate	0.58%	+18	3.66%	8.01%	2.17%	-4.82	2	-40.90%
IYE	Dow Jones US Energy	Specialty-Natural Res.	0.46%	+17	-2.17%	-0.71%	-7.49%	-3.89	-4	-11.52%
GVI	iShares Lehman Intern. Govt/Credit	Total Bond Market	0.44%	+16	1.63%	2.71%	1.25%	0.81	2	-12.72%
FXE	CurrencyShares Euro Currency Trust	Currency	0.41%	+15	1.38%	2.67%	1.60%	1.58	2	-16.69%
IYZ	Down Jones US Telecom	Commun. Equities	0.41%	+14	0.69%	5.34%	-1.62%	-2.41	1	-40.09%
HDV	iShares Core High Dividend	Large Cap Value Equiti	0.40%	+13	2.82%	4.37%	-2.14%	-3.41	0	-8.40%
JXI	iShares S&P Global Utilities	Utilities Equities	0.37%	+12	3.74%	12.14%	2.71%	-2.38	4	-12.96%
SHY	iShares Lehman 1-3 Year Treasury	Government Bonds	0.33%	+11	0.53%	1.03%	0.90%	0.58	1	-5.94%
DHS	Wisdom Tree High-Yield Equity	Large Cap Value	0.25%	+10	2.43%	4.53%	-0.51%	-7.32	0	-12.53%
VGSH	Vanguard Short-Term Government	Government Bonds	0.19%	+9	0.54%	0.97%	0.78%	0.35	1	-6.93%
IYH	Dow Jones US Healthcare	Specialty-Health	0.16%	+8	3.58%	1.25%	-1.02%	-2.84	0	-8.69%
IEI	iShares Lehman 3-7 Yr. Treasury	Government Bonds	0.15%	+7	1.57%	2.78%	1.33%	0.49	2	-13.91%
IXJ	S&P Global Healthcare	Health & Biotech Equiti	0.11%	+6	3.51%	1.34%	-0.52%	-0.97	1	-31.69%
FTSM	First Trust Enhanced Short Maturity	Total Bond Market	0.04%	+5	0.15%	0.20%	0.13%	0.27	0	-1.03%
BIV	Vanguard Intermed. Term Bond	Intermediate-Term Bon	0.03%	+4	2.84%	4.60%	1.43%	0.31	2	-21.00%
FLOT	iShares Floating Rate Bond	Corporate Bonds	0.02%	+3	-0.02%	-0.14%	-0.14%	0.62	0	-0.88%
VHT	Vanguard Health Care	Health & Biotech Equiti	0.01%	+2	3.75%	1.51%	-0.72%	-3.18	0	-10.23%
IWY	Russell Top 200 Growth	Small Growth	0.00%	+1	6.36%	7.39%	4.86%	0.00	5	-0.25%
RSX	Market Vectors Russia	Emerging Markets Equi	0.00%	-1	0.00%	0.00%	0.00%	-0.53	0	-83.14%
SCHO	Schwab Short-Term U.S. Treasury	Government Bonds	0.00%	-2	0.48%	0.92%	0.69%	-0.10	0	-6.84%
BAB	PowerShares Build America Bond Portfoli	National Munis	-0.01%	-3	3.49%	5.28%	0.93%	1.59	3	-24.60%
BND	Vanguard Total Bond Market	Intermediate-Term Bon	-0.01%	-4	2.88%	4.41%	1.14%	-0.04	2	-19.75%
AGG	iShares Lehman Aggregate Bond	Intermediate-Term Bon	-0.06%	-5	2.81%	4.40%	1.10%	-0.16	2	-19.06%
BKLN	PowerShares Exchange-Traded Fund Tru	High Yield Bonds	-0.13%	-6	-0.38%	-0.05%	-1.28%	1.80	0	-10.76%
SCHZ	Schwab US Aggregate Bond	Total Bond Market	-0.19%	-7	2.76%	4.36%	1.00%	-0.33	2	-20.06%
VGIT	Vanguard Intermediate-Term Gov Bonds	Government Bonds	-0.24%	-8	1.78%	3.09%	1.14%	-0.22	1	-17.64%
GUNR	FlexShares Global Upstream Natural Res	Commodity Producers	-0.28%	-9	1.98%	3.75%	-0.54%	-6.49	0	-16.92%
BOND	PIMCO Total Return Active Exchange-Tra	Total Bond Market	-0.37%	-10	2.72%	4.09%	0.66%	-0.49	2	-20.45%
AAXJ	iShares MSCI All Country Asia ex Japan	Asia Pacific	-0.43%	-11	2.12%	2.90%	1.05%	1.25	2	-35.74%
SCHR	Schwab Intermediate-Term U.S. Treasury	Government Bonds	-0.44%	-12	1.73%	3.03%	0.99%	-0.67	1	-17.06%
DBC	PowerShares DB Commodity Index	Commodities	-0.48%	-13	-3.57%	-0.50%	-5.03%	-3.45	-3	-22.04%
REZ	iShares Residential Real Estate Capped	Specialty-Real Estate	-0.54%	-14	6.17%	6.02%	0.09%	1.48	3	-30.08%
FXU	1st Trust Utilities AlphaDEX	Utilities Equities	-0.54%	-15	3.68%	10.75%	2.11%	-6.62	2	-14.10%

Ticker	ETF Name	Orientation	%M/A		4 wk	8 wk	12 wk	YTD	M-Index	DD%
DFE	Wisdom Tree Europe SmCap Div.	Europe Stock	-0.62%	-16	5.59%	7.90%	2.98%	1.54	5	-29.77%
GOVT	iShares Core U.S. Treasury Bond	Government Bonds	-0.65%	-17	2.17%	3.58%	0.76%	-0.75	1	-20.32%
FXG	1st Trust Consumer Staples	Consumer Staples Equi	-0.72%	-18	2.63%	5.42%	-1.73%	-2.37	1	-9.78%
IDU	Dow Jones US Utilities	Utilities Equities	-0.82%	-19	2.99%	11.05%	1.39%	-8.02	2	-55.04%
XBI	SPDR Series Trust SPDR S&P Biotech	Health & Biotech Equiti	-0.85%	-20	8.91%	7.75%	-1.04%	-6.23	2	-55.27%
EPP	iShares Pacific ex. Japan Index Fund	Pacific Asia/excl. Japan	-0.85%	-21	2.45%	4.12%	3.03%	-3.15	2	-23.22%
IHE	iShares DJ US Pharmaceuticals	Health & Biotech Equiti	-0.96%	-22	2.85%	-0.51%	-6.41%	-4.87	-2	-12.26%
DJP	Bloomberg Commodity Index	Commodities	-1.04%	-23	-3.73%	-0.41%	-3.90%	-7.27	-4	-24.13%
ECH	iShares Chile Index	Latin America	-1.07%	-24	7.49%	12.24%	4.77%	2.25	7	-50.69%
GSG	iShares GSCI Commodity Index	Commodities.	-1.10%	-25	-5.45%	-3.98%	-7.91%	-3.49	-5	-22.21%
EPHE	iShares MSCI Philippines	Emerging Markets Equi	-1.12%	-26	3.86%	2.80%	2.80%	-3.36	2	-37.34%
TIP	iShares TIPS Bond Fd	Inflation-Protected Bon	-1.12%	-27	1.18%	3.28%	0.02%	-0.91	1	-19.40%
SCHP	Schwab U.S. TIPS	Inflation-Protected Bon	-1.13%	-28	1.12%	3.32%	0.00%	-0.87	1	-19.64%
IEF	iShares Lehman 7-10 Yr Treasury	Government Bonds	-1.37%	-29	2.63%	4.41%	0.57%	-1.82	1	-23.58%
VDC	Vanguard Consumer Staples	Consumer Staples Equi	-1.48%	-30	3.03%	6.28%	-0.97%	-2.02	2	-9.89%
TOTL	SPDR DoubleLine Total Return Tactical	Total Bond Market	-1.49%	-31	2.43%	3.32%	-0.15%	-2.05	1	-22.11%
FTGC	First Trust Global Tactical Commodity Str	Commodities	-1.64%	-32	-2.89%	-0.56%	-5.78%	-5.43	-4	-26.38%
BLV	Vanguard Long Term Bond	Long-Term Bond	-1.69%	-33	6.46%	9.26%	0.41%	-2.42	3	-39.85%
XLU	Utilities Select Sector *	Utilities Equities	-1.70%	-34	2.70%	10.97%	0.55%	-9.89	1	-18.68%
EFZ	ProSharesShort MSCI EAFE	Inverse Equities	-2.29%	-35	-4.34%	-5.39%	-3.57%	-9.60	-6	-49.34%
VPU	Vanguard Utilities VIPERS	Utilities Equities	-2.30%	-36	2.51%	10.54%	0.12%	-10.67	1	-19.14%
IYK	Dow Jones US Cons. Goods	Consumer Staples Equi	-2.32%	-37	2.40%	5.87%	-1.34%	-5.71	0	-10.41%
XLP	Consumer Staples Select *	Consumer Staples	-2.35%	-38	3.20%	6.42%	-1.05%	-4.83	1	-11.94%
BBH	VanEck Vectors Biotech	Health & Biotech	-2.47%	-39	1.25%	-1.60%	-4.04%	-3.81	-2	-30.40%
PPLT	ETFS Physical Platinum Shares	Precious Metals	-2.61%	-40	0.38%	6.29%	4.37%	-13.14	-1	-27.80%
IBB	Nasdaq Biotechnology	Health & Biotech Equiti	-2.68%	-41	2.35%	0.10%	-3.35%	-6.62	-2	-64.03%
RWM	ProShares Short Russell2000	Inverse Equities	-2.82%	-42	-5.48%	-6.02%	-1.06%	-5.41	-4	-63.13%
IHI	iShares DJ US Medical Devices	Health & Biotech Equiti	-3.06%	-43	7.41%	5.66%	0.22%	-3.46	2	-86.34%
EWS	iShares Singapore Index	Pacific Asia/excl. Japan	-3.27%	-44	-0.49%	-0.33%	-0.33%	-3.30	-1	-35.47%
FXY	CurrencyShares Japanese Yen Trust	Currency	-3.44%	-45	1.71%	1.57%	0.48%	-11.10	-2	-34.63%
TLH	iShares Lehman 10-20 Yr Treasury	Government Bonds	-3.72%	-46	4.71%	7.84%	-0.95%	-5.22	2	-40.50%
PJP	Dynamic Pharmaceuticals	Health & Biotech Equiti	-4.71%	-47	0.49%	-0.64%	-7.02%	-9.17	-4	-14.54%
TLT	iShares 20+ Treas. Bd	Government Bonds	-4.76%	-48	6.12%	9.67%	-1.46%	-6.60	2	-45.80%
FBT	1st Trust Biotechnology Index	Health & Biotech Equiti	-4.78%	-49	2.23%	-2.22%	-5.62%	-6.92	-3	-22.38%
HDGE	Ranger Equity Bear	Inverse Equities	-5.08%	-50	-6.69%	-6.34%	1.52%	-20.90	-8	-79.75%
FXH	1st Trust Health Care AlphaDEX	Health & Biotech Equiti	-5.13%	-51	4.17%	0.79%	-3.67%	-10.34	-2	-23.90%
SH	Short S&P 500 ProShares ETF	Inverse Equities	-5.42%	-52	-4.68%	-5.34%	-2.64%	-14.78	-7	-67.20%
DOG	ProShares Short Dow 30	Bear Market	-5.46%	-53	-5.73%	-6.99%	-4.36%	-6.63	-6	-65.21%
MCHI	iShares MSCI China	China Equities	-6.88%	-54	-2.17%	-1.88%	-3.60%	-10.93	-5	-56.47%
EDV	Vanguard Extended Duration Treasury	Government Bonds	-7.06%	-55	9.08%	14.70%	-2.87%	-9.96	3	-58.19%
XPH	SPDR Pharmaceuticals	Health & Biotech Equiti	-7.25%	-56	0.75%	-3.69%	-12.53%	-8.16	-6	-32.85%
ZROZ	PIMCO 25 Yr Zero Coupon US Treas Idx	Government Bonds	-7.32%	-57	10.18%	15.94%	-3.06%	-10.72	3	-58.96%
THD	iShares Thailand Capped Invest Mrkt Idx	Emerging Markets Equi	-7.52%	-58	-2.06%	1.80%	-7.32%	-17.30	-6	-38.88%
MOO	VanEck Vectors Agribusiness	Commodity Producers	-8.03%	-59	-0.63%	-2.08%	-8.31%	-13.01	-6	-31.07%

Ticker	ETF Name	Orientation	%M/A	4 wk	8 wk	12 wk	YTD	M-Index	DD%	
ASHR	Deutsche X-Trackers China A-Shares	China Equities	-8.46%	-60	-1.67%	-3.77%	-3.88%	-11.53	-5	-46.57%
FXI	iShares China 25 Index	China Equities	-9.21%	-61	-5.54%	-5.11%	-7.40%	-12.05	-8	-54.31%
PSQ	ProShares Short QQQ	Inverse Equities	-9.48%	-62	-5.25%	-5.69%	-4.62%	-31.32	-12	-81.82%
EWH	iShares Hong Kong Index	China Equities	-10.57%	-63	-3.88%	-2.77%	-5.01%	-19.75	-8	-40.00%
UNG	U.S. Natural Gas Fund	Oil & Gas	-21.04%	-64	-24.93%	-29.59%	-18.78%	-61.35	-34	-93.83%
HEDJ	WisdomTree Europe Hedged Equity	Europe Equities	-34.12%	-65	5.96%	6.20%	4.95%	-40.25	-6	-50.20%
PRF	PowerShares FTSE RAFI US 1000	Large Cap Value	-63.84%	-66	5.16%	7.33%	2.73%	-78.20	-16	-80.73%
RPG	Guggenheim S&P 500 Pure Growth	Large Growth	-64.73%	-67	3.38%	4.76%	0.06%	-79.40	-18	-85.87%