



VERMILION RESEARCH, LLC

# ETF Navigator

Apr 11, 2025

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			Relative Strength Ranking - RSR																				% Price Δ							
		Price	MKT Cap(MM)	04/11	04/04	03/28	03/21	03/14	03/07	02/28	02/21	02/14	02/07	01/31	01/24	01/17	01/10	01/03	12/31	12/27	12/20	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month		
Group or Corp	Ticker			04/11	04/04	03/28	03/21	03/14	03/07	02/28	02/21	02/14	02/07	01/31	01/24	01/17	01/10	01/03	12/31	12/27	12/20									
EF	INDEX																													
EF-01	Broad Index				23	24	25	24	24	24	18	16	13	10	9	10	10	12	10	10	9	10	D3	5	BF	BF	- 18	4.31%	-5.47%	-8.32%
	Vanguard Total Stock Market ETF	VTI	261.74	422,614	22	25	25	24	24	13	17	11	12	13	12	13	12	11	12	10	12	9	D3	3	BF	BF	- 116	5.34%	-5.17%	-8.58%
	iShares Core S&P Total U.S. Stock Ma	ITOT	115.99	61,254	23	25	25	24	24	13	17	11	12	13	12	13	12	11	12	10	12	9	D3	3	BF	BF	- 116	5.23%	-5.35%	-8.75%
	Schwab U.S. Broad Market ETF	SCHB	20.48	29,424	22	25	25	24	24	13	17	11	12	13	12	13	12	11	12	10	12	9	D3	3	BF	BF	- 115	5.19%	-5.30%	-8.71%
	Vanguard Extended Market ETF	VXF	160.66	18,543	28	28	28	28	28	29	26	19	11	11	11	11	10	11	11	10	10	6	D3	4	BF	BF	- 70	3.42%	-7.91%	-14.69%
	iShares Russell 3000 ETF	IWV	302.59	13,874	22	25	25	24	24	13	17	11	12	13	12	13	12	11	12	11	12	9	D3	3	BF	BF	- 116	5.30%	-5.16%	-8.45%
	SPDR Portfolio S&P 1500 Composite S	SPTM	64.81	9,044	21	24	24	24	23	13	17	11	12	14	12	13	12	12	12	11	12	9	D3	3	BF	BF	- 116	5.42%	-4.97%	-8.14%
	Schwab 1000 Index ETF	SCHK	25.68	3,718	21	25	25	24	23	13	13	11	12	13	12	13	12	11	12	10	12	9	D3	3	BF	BF	- 115	5.51%	-5.00%	-8.28%
	Vanguard Russell 3000 ETF	VTHR	234.61	2,827	22	25	25	24	23	13	17	11	12	13	12	13	12	11	12	10	12	9	D3	3	BF	BF	- 116	5.07%	-5.37%	-8.54%
	FlexShares Morningstar US Market Fac	TILT	193.89	1,522	24	25	25	24	25	13	17	13	12	14	12	13	13	12	13	12	13	9	D3	4	BF	BF	- 73	4.37%	-5.96%	-9.22%
	iShares Russell 2500 ETF	SMMD	58.09	1,197	28	27	27	27	28	29	29	19	19	16	14	14	15	15	15	14	15	9	D3	5	BF	BF	- 69	2.49%	-7.72%	-13.27%
	Schwab Fundamental US Broad Marke	FNDB	21.50	825	20	20	20	11	9	13	11	12	15	15	14	14	15	15	16	15	16	11	D3	4	BF	BF	- 72	3.07%	-5.84%	-6.33%
	Vident U.S. Equity Strategy ETF	VUSE	54.58	536	19	22	24	23	23	13	11	10	10	11	12	13	12	12	12	11	12	8	D3	2	BF	BR	- 124	5.70%	-3.57%	-6.01%
	iShares MSCI USA Size Factor ETF	SIZE	135.26	298	24	20	21	21	23	13	17	18	17	14	13	14	14	14	15	14	15	10	D3	4	BF	BF	- 70	2.42%	-6.05%	-7.75%
	ALPS Barron's 400 ETF	BFOR	65.40	134	25	25	25	26	26	27	24	24	14	9	8	7	8	12	10	9	9	9	D3	6	BF	BF	- 72	3.79%	-5.66%	-9.44%
	Invesco Dynamic Market ETF	PWC	45.31	106	16	17	18	11	9	10	11	19	21	17	19	20	17	19	21	17	19	14	D3	3	BF	BR	- 70	3.25%	-3.12%	-2.16%
	RiverFront Dynamic US Flex-Cap ETF	RFFC	53.07	25	22	23	24	24	23	13	17	13	12	13	12	13	14	12	14	13	14	11	D3	3	BF	BF	- 116	4.71%	-5.33%	-7.99%
	First Trust Dividend Strength ETF	FTDS	47.48	24	19	19	19	11	9	13	17	19	22	22	19	20	17	19	23	22	22	14	D3	4	BF	BR	- 72	3.02%	-5.63%	-4.88%
EF-02	Equal Weight				20	20	21	21	21	19	16	15	15	13	12	12	12	15	14	15	14	14	D3	5	BF	BF	- 8	3.89%	-5.34%	-6.31%
	Invesco S&P 500 Equal Weight ETF	RSP	162.02	68,193	20	20	20	11	21	13	17	19	20	18	16	17	16	19	18	15	17	12	D3	5	BF	BR	- 69	3.08%	-5.71%	-6.03%
	Invesco S&P MidCap Quality ETF	XMHQ	88.39	4,915	25	26	28	28	29	29	30	30	22	22	24	18	18	23	23	22	22	11	D3	7	BF	BF	+ 8	4.05%	-3.39%	-9.62%
	First Trust Nasdaq-100 Equal Weighted	QQEW	115.21	1,694	23	25	24	11	23	13	17	9	11	13	13	14	14	15	16	15	16	11	D3	2	BF	BF	- 116	5.61%	-5.90%	-7.56%
	iShares MSCI USA Equal Weighted ET	EUSA	88.00	1,289	21	20	21	21	22	13	17	17	16	14	13	14	14	14	15	14	15	10	D3	4	BF	BR	- 70	3.29%	-5.37%	-6.67%
	Direxion NASDAQ-100 Equal Weighted	QQQE	82.99	1,170	22	25	24	11	23	13	13	9	11	13	13	14	15	15	16	15	16	11	D3	2	BF	BF	- 116	5.50%	-5.77%	-7.38%
	Invesco S&P 100 Equal Weight ETF	EQWL	96.55	1,084	18	18	17	11	9	8	8	10	12	14	12	14	15	15	15	13	15	11	D3	1	BF	BR	- 72	3.43%	-5.73%	-3.49%
	Goldman Sachs Equal Weight U.S. Lar	GSEW	71.36	1,053	21	20	20	11	21	13	12	16	16	14	13	14	13	14	15	14	15	10	D3	4	BF	BR	- 70	3.53%	-5.76%	-6.66%
	Invesco Russell 1000 Equal Weight ET	EQAL	43.85	571	24	21	21	11	22	13	17	19	17	15	14	14	14	15	15	14	16	10	D3	5	BF	BF	- 69	2.55%	-6.70%	-8.10%
	Alps Equal Sector Weight ETF	EQL	39.55	496	18	18	10	11	9	13	10	11	16	15	14	15	15	16	16	15	16	12	D3	3	BF	BR	- 71	3.26%	-4.77%	-4.05%
	First Trust Dow 30 Equal Weight ETF	EDOW	34.40	215	16	18	18	11	9	8	8	10	12	13	12	14	14	13	14	12	13	10	D2	3	BF	BR	- 71	4.60%	-4.33%	-3.59%
EF-03	Large Cap				20	23	24	23	22	20	13	10	9	9	8	8	9	8	7	7	7	7	D3	3	BF	BF	- 18	5.38%	-4.74%	-7.36%
	Vanguard S&P 500 ETF	VOO	490.55	577,959	20	23	24	23	22	13	12	11	12	14	12	13	12	11	12	10	12	9	D3	3	BF	BF	- 116	5.38%	-4.87%	-7.80%
	SPDR S&P 500 ETF Trust	SPY	533.94	565,139	20	24	24	23	22	13	12	11	12	14	12	13	12	11	12	10	12	9	D3	3	BF	BF	- 116	5.67%	-4.84%	-7.74%
	iShares Core S&P 500 ETF	IVV	536.98	550,324	19	24	24	23	22	13	12	11	12	14	12	13	12	11	12	10	12	9	D3	3	BF	BF	- 116	5.79%	-4.76%	-7.66%
	Invesco QQQ Trust	QQQ	454.40	290,362	23	26	26	26	25	13	17	9	9	12	12	11	10	9	10	8	9	7	D3	2	BF	BF	- 112	7.51%	-5.13%	-10.27%
	SPDR Portfolio S&P 500 ETF	SPLG	62.80	57,176	20	24	24	23	22	13	12	11	12	14	12	13	12	11	12	10	12	9	D3	3	BF	BF	- 116	5.63%	-4.83%	-7.75%
	Schwab U.S. Large-Cap ETF	SCHX	21.08	48,082	21	25	24	24	23	13	13	11	12	13	12	13	12	11	12	10	12	9	D3	3	BF	BF	- 115	5.66%	-4.77%	-8.16%
	Vanguard Large-Cap ETF	VV	245.46	37,902	20	24	24	24	23	13	12	10	12	13	12	13	12	11	12	10	12	9	D3	2	BF	BF	- 115	5.77%	-4.88%	-7.91%
	iShares Russell 1000 ETF	IWB	292.43	36,393	21	25	24	23	23	13	13	11	12	13	12	13	12	11	12	10	12	9	D3	3	BF	BF	- 116	5.41%	-5.07%	-8.23%
	SPDR Dow Jones Industrial Average E	DIA	401.91	35,506	17	19	20	20	21	13	11	17	12	13	12	13	14	14	15	13	14	11	D3	2	BF	BR	- 73	4.88%	-3.05%	-3.79%
	Schwab Fundamental US Large Co. In	FNDX	22.07	16,198	19	19	19	11	9	13	10	11	15	15	13	14	15	15	16	14	16	12	D3	2	BF	BF	- 72	3.37%	-5.47%	-5.59%
	iShares S&P 100 ETF	OEF	260.18	16,027	20	25	25	24	23	13	11	10	11	13	12	12	12	10	10	8	10	8	D3	2	BF	BF	- 114	6.55%	-4.77%	-8.75%
	Invesco S&P 500 Top 50 ETF	XLG	44.39	7,783	22	26	26	25	25	13	17	10	11	13	12	11	11	9	10	7	9	7	D3	2	BF	BF	- 112	6.78%	-4.84%	-10.15%
	Invesco FTSE RAFI US 1000 ETF	PRF	37.73	7,120	18	19	19	11	9	13	10	12	15	14	13	14	14	15	16	15	16	12	D3	2	BF	BR	- 72	3.31%	-5.52%	-5.09%
	Vanguard Mega Cap ETF	MGC	193.23	5,934	19	25	25	24	23	13	11	10	11	13	12	13	12	11	11	9	12	9	D3	2	BF	BF	- 115	6.13%	-4.75%	-8.04%

				Relative Strength Ranking - RSR																		% Price Δ								
Group or Corp	Ticker	Price	MKT Cap(MM)	04/11	04/04	03/28	03/21	03/14	03/07	02/28	02/21	02/14	02/07	01/31	01/24	01/17	01/10	01/03	12/31	12/27	12/20	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month		
EF-03 Large Cap	Vanguard Russell 1000 ETF	VONE	242.06	5,289	21	24	24	24	23	13	13	11	12	13	12	13	12	11	12	10	12	9	D3	3	BF	BF	- 116	5.43%	-4.96%	-8.17%
	iShares Dow Jones U.S. ETF	IYY	129.88	2,098	21	25	24	24	23	13	13	11	12	13	12	13	12	11	12	10	12	9	D3	3	BF	BF	- 115	5.57%	-4.93%	-8.24%
	iShares Russell Top 200 ETF	IWL	131.85	1,477	19	24	24	23	22	13	11	10	11	13	12	12	10	11	9	11	9	D3	2	BF	BF	- 115	6.10%	-4.68%	-7.98%	
	First Trust Large Cap Core AlphaDEX F FEX		95.70	1,163	23	22	21	24	23	13	17	19	15	14	13	13	12	13	15	14	15	10	D3	4	BF	BF	- 71	3.49%	-5.56%	-7.43%
	Motley Fool 100 Index ETF	TMFC	54.28	1,141	19	26	25	24	24	22	7	6	4	6	4	4	4	2	2	1	1	2	D3	2	BF	BF	- 112	7.78%	-3.30%	-8.67%
	iShares Morningstar U.S. Equity ETF	ILCB	73.79	900	21	25	24	23	23	13	13	11	12	13	12	13	12	11	12	10	12	9	D3	3	BF	BF	- 115	5.66%	-4.88%	-8.10%
	Goldman Sachs JUST U.S. Large Cap JUST		75.63	393	21	25	24	23	23	13	11	11	12	14	12	13	13	12	13	12	13	10	D3	2	BF	BF	- 117	5.41%	-5.30%	-8.08%
	First Trust Nasdaq-100 Ex-Technology QQXT		89.82	189	16	17	17	11	9	9	9	9	12	13	13	16	15	14	15	14	15	10	D3	1	BF	BR	- 69	3.70%	-3.26%	-2.98%
	First Trust Large Cap US Equity Select RNLC		38.02	17	17	17	17	11	9	10	13	19	22	22	23	21	19	23	22	20	21	15	D3	3	BF	BR	- 71	2.73%	-4.85%	-2.76%
	EF-04 Mid-Cap					26	25	25	26	27	27	27	28	21	18	14	14	11	17	16	16	16	15	D3	7	BF	BF	- 18	2.85%	-6.20%
iShares Core S&P Mid-Cap ETF		IJH	54.37	83,020	27	26	26	27	27	28	28	19	22	17	14	14	13	15	16	15	16	10	D3	5	BF	BF	- 69	2.82%	-6.96%	-11.91%
Vanguard Mid-Cap ETF		VO	243.62	70,181	21	21	21	11	23	13	17	19	15	13	12	13	13	13	14	13	14	9	D3	4	BF	BR	- 70	3.99%	-4.90%	-6.89%
iShares Russell Midcap ETF		IWR	79.64	36,228	25	25	25	24	26	25	17	19	15	14	13	14	13	14	14	14	14	9	D3	4	BF	BF	- 70	3.51%	-5.88%	-8.85%
SPDR S&P Midcap 400 ETF Trust		MDY	497.47	20,255	27	26	26	27	27	28	28	19	22	17	14	14	14	15	16	15	16	10	D3	5	BF	BF	- 69	2.84%	-6.92%	-11.83%
Schwab U.S. Mid-Cap ETF		SCHM	24.36	10,095	27	26	26	27	27	28	17	19	16	14	13	13	12	13	15	14	15	10	D3	5	BF	BF	- 69	3.05%	-6.93%	-11.55%
Vanguard S&P Mid-Cap 400 ETF		IVOO	92.10	2,288	27	26	26	27	27	28	28	19	22	17	14	14	13	15	16	15	17	10	D3	5	BF	BF	+ 4	2.85%	-6.85%	-11.87%
Franklin U.S. Mid Cap Multifactor Index FLQM			49.79	1,394	22	20	23	26	26	13	17	19	22	22	19	18	16	18	20	16	18	12	D3	6	BF	BF	- 70	2.83%	-4.64%	-7.81%
First Trust Mid Cap Core AlphaDEX Fu FNX			100.22	1,007	27	26	26	28	28	29	28	19	20	17	14	15	14	18	16	16	18	11	D3	5	BF	BF	+ 4	1.94%	-6.97%	-12.44%
iShares Morningstar Mid-Cap ETF		IMCB	69.58	929	23	23	23	23	24	13	17	19	16	14	13	14	13	13	14	13	14	9	D3	4	BF	BR	- 70	3.71%	-5.34%	-7.70%
Invesco S&P MidCap 400 Equal Weight EWMC			96.93	459	27	28	27	28	29	30	30	30	30	30	24	23	20	23	23	27	27	15	D3	8	BF	BF	+ 10	3.26%	-6.47%	-13.94%
First Trust Mid Cap Value AlphaDEX Fu FNK			45.64	183	28	26	26	27	27	28	29	28	22	22	19	18	15	19	20	20	22	13	D3	6	BF	BF	+ 6	0.77%	-8.64%	-13.18%
First Trust Mid Cap US Equity Select E RNMC		32.67	26	20	19	21	25	25	13	17	19	22	17	16	18	15	18	16	14	14	9	D3	5	BF	BR	- 70	2.61%	-3.92%	-5.99%	
EF-05 Small-Cap					28	27	28	29	29	29	29	28	23	18	15	15	15	20	13	14	14	13	D3	8	BF	BF	- 18	2.01%	-7.77%	-13.67%
	iShares Core S&P Small Cap ETF	IJR	95.41	70,966	29	28	29	29	29	29	30	30	22	22	19	18	16	19	17	16	16	9	D3	6	BF	BF	+ 5	0.82%	-8.86%	-15.37%
	iShares Russell 2000 ETF	IWM	184.36	58,774	28	28	29	29	29	30	29	28	22	19	19	16	17	19	16	15	16	10	D3	6	BF	BF	+ 5	1.75%	-8.93%	-14.78%
	Vanguard Small-Cap ETF	VB	205.82	54,699	27	26	27	28	28	29	28	19	17	14	12	13	12	13	13	13	13	8	D3	5	BF	BF	+ 4	2.49%	-7.61%	-13.22%
	Schwab U.S. Small-Cap ETF	SCHA	21.62	14,824	28	28	29	28	29	29	29	19	20	15	14	14	15	17	14	14	15	9	D3	5	BF	BF	+ 4	2.03%	-8.72%	-14.89%
	Vanguard Russell 2000 ETF	VTWO	74.47	10,335	28	28	29	28	29	30	29	28	22	18	19	16	17	19	16	15	16	10	D3	6	BF	BF	+ 5	1.75%	-8.95%	-14.83%
	SPDR Portfolio S&P 600 Small Cap ET SPSM		37.18	9,953	29	28	29	29	29	29	30	30	22	22	18	18	16	19	17	16	17	10	D3	6	BF	BF	+ 5	0.79%	-9.02%	-15.43%
	Schwab Fundamental US Small Co. Inr FNDA		25.15	8,121	28	26	27	28	28	29	29	28	22	19	16	16	15	19	16	15	16	9	D3	5	BF	BF	+ 5	1.37%	-8.38%	-13.60%
	Fidelity Nasdaq Composite Index ETF ONEQ		65.97	6,564	25	28	28	27	27	26	17	10	10	13	11	10	10	8	9	6	8	6	D3	3	BF	BF	- 112	7.41%	-5.57%	-12.47%
	SPDR S&P 600 Small Cap Growth ETF SLYG		77.16	3,094	28	27	29	30	29	30	30	30	22	20	19	19	19	23	21	20	20	11	D3	6	BF	BF	+ 6	2.14%	-6.69%	-13.46%
	Vanguard S&P Small-Cap 600 ETF VIOO		87.96	2,507	29	28	29	29	29	30	30	30	26	21	18	17	16	22	16	16	16	16	D3	8	BF	BF	- 70	0.74%	-9.08%	-15.41%
	Invesco FTSE RAFI US 1500 Small-Mi PRFZ		34.92	2,240	28	28	28	28	29	29	29	19	18	16	15	15	15	18	15	15	15	9	D3	5	BF	BF	+ 4	1.75%	-8.60%	-14.59%
	First Trust Small Cap Core AlphaDEX F FYX		82.44	750	29	28	29	29	29	30	30	30	24	17	13	12	11	18	10	9	11	9	D3	7	BF	BF	- 71	0.46%	-9.79%	-16.29%
	Goldman Sachs Activebeta U.S. Small GSSC		58.66	475	28	26	28	28	29	29	29	28	21	19	18	17	16	19	16	15	16	9	D3	5	BF	BF	+ 5	1.09%	-7.77%	-13.11%
	JPMorgan Diversified Return U.S. Sma JPSE		40.29	410	27	26	26	28	28	29	30	30	22	22	24	21	19	24	21	19	20	11	D3	7	BF	BF	+ 6	1.38%	-7.43%	-11.59%
	iShares Morningstar Small-Cap ETF ISCB		50.30	196	28	27	27	27	28	29	29	19	18	15	14	14	14	17	15	14	15	9	D3	5	BF	BF	- 69	2.60%	-8.04%	-12.91%
	Franklin U.S. Small Cap Multifactor Ind FLQS		36.99	41	26	23	26	27	27	28	29	28	20	18	19	18	16	19	19	17	18	10	D3	6	BF	BF	+ 5	1.65%	-5.22%	-9.57%
Furst Trust Small Cap US Equity Selec RNSC		26.28	26	25	26	27	29	29	30	30	30	27	19	17	11	11	15	15	14	14	13	D3	7	BF	BF	- 70	3.88%	-3.40%	-11.10%	
EF-06 Micro-Cap					29	28	29	28	27	29	25	22	8	8	10	8	11	15	4	4	6	6	D3	5	BF	BF	- 18	1.72%	-9.76%	-14.87%
	iShares Micro-Cap ETF	IWC	102.07	725	30	29	30	29	29	30	29	19	16	14	15	14	15	15	10	10	12	8	D3	5	BF	BF	- 68	1.34%	-11.75%	-18.29%
	First Trust Dow Jones Select MicroCap FDM		58.02	154	27	26	26	27	27	27	11	11	9	11	11	11	11	13	11	11	12	6	D3	3	BF	BR	- 70	2.10%	-7.74%	-11.36%

			Relative Strength Ranking - RSR																				% Price Δ						
		Price	MKT Cap(MM)	04/11	04/04	03/28	03/21	03/14	03/07	02/28	02/21	02/14	02/07	01/31	01/24	01/17	01/10	01/03	12/31	12/27	12/20	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month	
Group or Corp	Ticker			04/11	04/04	03/28	03/21	03/14	03/07	02/28	02/21	02/14	02/07	01/31	01/24	01/17	01/10	01/03	12/31	12/27	12/20								
EF-06	Micro-Cap																												
	STYLE																												
EF-07	Style: Large-Cap Growth			24	27	27	27	27	26	17	6	4	5	4	2	3	2	2	2	2	2	D3	3	BF	BF	- 16	7.74%	-4.59%	-10.89%
	Vanguard Growth ETF	VUG	360.20	24	27	27	27	26	25	17	9	9	11	11	10	10	8	8	6	7	6	D3	2	BF	BF	- 112	7.84%	-4.67%	-11.45%
	iShares Russell 1000 Growth ETF	IWF	350.02	25	27	27	27	26	25	17	10	10	12	11	10	10	8	8	6	7	6	D3	3	BF	BF	- 112	7.48%	-5.09%	-11.99%
	iShares S&P 500 Growth ETF	IVW	90.39	22	26	26	26	25	25	13	9	9	10	11	9	9	8	8	6	8	6	D3	2	BF	BF	- 106	8.06%	-4.56%	-10.47%
	Schwab U.S. Large-Cap Growth ETF	SCHG	24.36	25	28	27	27	27	26	17	10	10	11	11	10	10	8	8	6	7	6	D3	3	BF	BF	- 111	7.93%	-4.56%	-12.00%
	SPDR Portfolio S&P 500 Growth ETF	SPYG	78.29	22	26	26	26	25	25	13	9	9	10	11	9	9	8	8	6	8	6	D3	2	BF	BF	- 106	8.06%	-4.52%	-10.43%
	Vanguard Russell 1000 Growth ETF	VONG	90.15	25	27	27	27	26	25	17	10	10	12	11	10	10	8	8	6	7	6	D3	3	BF	BF	- 112	7.47%	-4.94%	-11.92%
	Vanguard Mega Cap Growth ETF	MGK	299.69	25	28	27	27	27	25	17	9	9	12	11	10	10	8	8	6	7	6	D3	3	BF	BF	- 111	7.87%	-4.85%	-11.83%
	iShares Core S&P U.S. Growth ETF	IUSG	123.88	23	26	26	26	26	25	17	9	9	11	11	9	9	8	9	7	8	6	D3	2	BF	BF	- 107	7.66%	-4.53%	-10.49%
	Vanguard S&P 500 Growth ETF	VOOG	326.06	22	26	26	26	25	25	13	9	9	10	11	9	9	8	8	6	8	6	D3	2	BF	BF	- 106	8.13%	-4.51%	-10.42%
	iShares Russell Top 200 Growth ETF	IWY	204.24	25	27	27	27	26	25	17	10	10	12	11	10	10	8	8	6	7	6	D3	3	BF	BF	- 111	7.20%	-5.19%	-12.16%
	iShares Morningstar Growth ETF	ILCG	78.79	25	27	27	26	26	27	17	10	10	11	11	9	9	8	8	6	8	6	D3	3	BF	BF	- 111	7.74%	-4.89%	-11.61%
	Invesco S&P 500 Pure Growth ETF	RPG	36.69	26	28	27	27	27	28	12	10	8	8	9	8	8	7	10	8	8	6	D3	2	BF	BF	- 70	8.13%	-4.71%	-11.82%
	First Trust Large Cap Growth AlphaDE	FTC	126.03	23	26	25	26	26	26	11	10	8	9	9	9	9	9	10	8	8	6	D3	2	BF	BR	- 73	6.25%	-3.76%	-8.57%
	Invesco Dynamic Large Cap Growth E	PWB	93.61	21	26	26	25	26	26	11	6	3	3	4	3	5	5	5	6	5	11	D3	2	BF	BF	- 115	8.55%	-3.49%	-7.36%
EF-08	Style: Mid-Cap Growth			26	27	28	27	28	28	28	27	12	6	7	6	6	9	9	10	9	8	D3	6	BF	BF	- 18	4.97%	-4.88%	-11.45%
	iShares Russell Mid-Cap Growth ETF	IWP	112.53	26	27	26	26	27	27	17	10	7	7	8	8	8	7	7	6	7	5	D3	2	BF	BR	- 71	6.48%	-5.04%	-11.29%
	Vanguard Mid-Cap Growth ETF	VOT	233.06	22	25	24	24	26	13	13	11	9	8	9	9	9	9	10	9	9	6	D3	2	BF	BR	- 70	5.67%	-4.21%	-8.85%
	iShares S&P Mid-Cap 400 Growth ETF	IJK	79.09	27	28	29	29	29	30	29	30	22	18	18	14	15	18	17	17	19	11	D3	6	BF	BF	+ 5	4.38%	-5.44%	-12.75%
	Invesco S&P MidCap Momentum ETF	XMMO	108.86	26	27	28	28	29	29	28	30	17	13	11	11	11	12	12	13	13	7	D3	4	BF	BF	+ 4	5.46%	-4.26%	-11.74%
	iShares Morningstar Mid-Cap Growth E	IMCG	68.00	25	26	25	25	26	25	17	16	11	10	11	11	10	10	11	10	10	6	D3	3	BF	BR	- 69	4.89%	-4.67%	-9.58%
	SPDR S&P 400 Mid Cap Growth ETF	MDYG	75.51	27	28	29	29	29	30	29	30	22	18	18	14	15	18	17	17	19	11	D3	5	BF	BF	+ 5	4.43%	-5.30%	-12.68%
	Vanguard S&P Mid-Cap 400 Growth E	IVOG	98.15	27	28	29	29	29	30	29	30	25	16	15	11	11	17	16	20	18	18	D3	8	BF	BF	- 71	4.21%	-5.33%	-12.87%
	First Trust Mid Cap Growth AlphaDEX	IFNY	70.55	27	27	28	29	29	30	28	26	10	7	8	8	8	11	10	11	11	9	D3	6	BF	BF	- 70	4.21%	-4.86%	-11.94%
EF-09	Style: Small-Cap Growth			28	28	29	29	29	30	29	29	20	15	12	11	12	16	10	13	11	10	D3	7	BF	BF	- 18	2.67%	-6.87%	-13.70%
	Vanguard Small-Cap Growth ETF	VBK	236.21	28	28	28	28	29	29	28	19	12	12	11	10	10	10	10	10	10	6	D3	4	BF	BF	- 68	3.97%	-7.21%	-15.49%
	iShares Russell 2000 Growth ETF	IWO	239.98	28	29	29	29	29	30	30	28	20	15	14	14	15	15	12	13	14	9	D3	5	BF	BF	+ 5	3.30%	-8.01%	-15.63%
	iShares S&P Small-Cap 600 Growth E	IJT	115.76	28	28	29	30	29	30	30	30	22	21	19	20	19	23	21	21	20	11	D3	6	BF	BF	+ 6	2.40%	-6.65%	-13.43%
	Invesco S&P SmallCap Momentum ET	XSMO	58.58	26	26	28	28	28	30	29	30	21	14	13	14	14	19	16	16	16	10	D3	5	BF	BF	+ 5	3.19%	-4.48%	-9.51%
	Vanguard Russell 2000 Growth ETF	VTWG	175.20	28	29	29	29	29	30	30	28	20	15	14	13	15	15	13	13	14	9	D3	5	BF	BF	+ 5	3.46%	-8.00%	-15.62%
	Vanguard S&P Small-Cap 600 Growth	VIOG	99.36	28	28	29	30	29	30	30	30	22	21	19	20	18	23	21	20	20	11	D3	6	BF	BF	+ 6	2.20%	-6.57%	-13.39%
	iShares Morningstar Small-Cap Growth	ISCG	42.39	28	28	28	29	29	29	29	19	17	14	13	13	14	14	13	13	13	9	D3	5	BF	BF	- 69	3.54%	-7.05%	-13.33%
	Janus Henderson Small/Mid Cap Grow	JSMD	66.33	25	25	27	27	27	28	29	28	18	14	12	13	12	10	12	10	12	6	D3	4	BF	BR	+ 3	3.43%	-4.73%	-12.18%
	First Trust Small Cap Growth AlphaDE	IFYC	64.63	28	28	29	29	29	30	29	28	15	7	8	7	7	11	3	3	3	2	D3	6	BF	BF	- 69	2.62%	-7.55%	-14.43%
	Janus Henderson Small Cap Growth A	JSML	56.94	27	26	29	30	29	30	30	28	17	14	12	13	13	18	15	14	14	7	D3	5	BF	BF	+ 4	2.45%	-4.81%	-11.10%
	First Trust Small Cap Value AlphaDEX	FYT	44.58	29	28	28	29	29	29	30	30	29	29	21	19	17	23	20	17	19	19	D3	8	BF	BF	- 73	-1.15%	-10.61%	-16.71%
EF-10	Style: Large-Cap Value			18	18	19	19	19	17	9	16	18	17	15	17	16	21	21	20	18	19	D3	4	BF	BF	- 6	2.93%	-5.37%	-4.63%
	Vanguard Value ETF	VTV	161.83	17	18	17	11	9	10	10	13	18	16	15	16	16	19	20	17	20	14	D3	3	BF	BR	- 70	3.12%	-4.98%	-2.95%
	iShares Russell 1000 Value ETF	IWD	176.12	18	18	18	18	9	13	10	13	17	15	14	16	15	19	19	16	19	13	D3	4	BF	BR	- 70	3.36%	-4.97%	-3.65%
	iShares S&P 500 Value ETF	IVE	178.31	19	19	20	21	21	13	17	19	22	22	21	22	21	22	22	18	20	14	D3	4	BF	BF	- 72	3.27%	-5.19%	-4.87%
	SPDR Portfolio S&P 500 Value ETF	SPYV	47.86	19	19	19	11	21	13	17	19	22	22	21	22	21	22	22	17	20	14	D3	4	BF	BF	- 72	3.30%	-5.10%	-4.74%
	Schwab U.S. Large-Cap Value ETF	SCHV	24.83	18	18	17	11	9	10	9	12	17	15	15	16	16	19	20	17	19	13	D3	2	BF	BR	- 69	3.03%	-5.23%	-3.14%

				Relative Strength Ranking - RSR																		% Price Δ								
Group or Corp		Ticker	Price	MKT Cap(MM)	04/11	04/04	03/28	03/21	03/14	03/07	02/28	02/21	02/14	02/07	01/31	01/24	01/17	01/10	01/03	12/31	12/27	12/20	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month	
EF-10	Style: Large-Cap Value																													
	Vanguard Russell 1000 Value ETF	VONV	77.32	10,817	18	18	17	11	9	13	10	13	17	15	14	15	15	19	19	16	19	13	D3	3	BF	BR	- 70	3.51%	-4.90%	-3.70%
	Vanguard Mega Cap Value ETF	MGV	120.89	8,419	16	17	15	11	9	9	9	11	15	14	14	15	16	19	20	16	20	14	D2	3	BF	BR	- 71	3.37%	-4.67%	-1.68%
	Vanguard S&P 500 Value ETF	VOOV	172.27	4,958	19	19	20	11	21	13	17	19	22	22	21	22	21	22	22	17	20	14	D3	4	BF	BF	- 72	3.16%	-5.15%	-4.80%
	iShares Russell Top 200 Value ETF	IWX	77.28	2,396	16	17	14	14	9	9	9	10	13	14	14	15	16	19	20	17	20	14	D2	3	BF	BR	- 70	3.88%	-4.34%	-1.26%
	First Trust Large Cap Value AlphaDEX FTA		70.44	1,025	22	19	19	11	9	13	17	19	22	22	22	20	16	19	22	21	22	15	D3	7	BF	BF	+ 4	1.44%	-6.75%	-6.66%
	iShares Morningstar Value ETF	ILCV	76.45	956	18	18	18	18	9	10	10	11	15	16	14	17	16	17	17	15	16	13	D3	2	BF	BR	- 71	3.58%	-4.92%	-4.05%
	Invesco Dynamic Large Cap Value ETI PWV		54.44	953	18	18	14	8	9	9	8	10	17	15	19	18	16	19	22	21	22	16	D3	1	BF	BR	- 91	2.58%	-6.31%	-3.11%
	Invesco S&P 500 Enhanced Value ETI SPVU		47.53	93	17	16	8	8	9	9	9	12	17	17	16	15	15	18	21	19	21	14	D3	1	BF	BR	- 71	1.95%	-5.36%	-2.48%
Xtrackers Russell 1000 US Quality at a QARP		49.08	58	18	18	19	21	21	10	10	11	12	14	12	14	14	13	15	13	15	11	D3	2	BF	BR	- 120	3.69%	-3.84%	-5.26%	
Royce Quant Small-Cap Quality Value	SQLV	34.67	23	29	28	29	30	29	29	30	29	22	22	16	15	15	17	15	14	15	9	D3	5	BF	BF	+ 5	0.67%	-8.75%	-16.47%	
EF-11	Style: Mid-Cap Value				25	23	23	25	25	24	22	26	23	18	13	16	13	20	18	14	15	16	D3	6	BF	BF	- 19	1.97%	-7.05%	-8.78%
	Vanguard Mid-Cap Value ETF	VOE	149.73	16,235	20	20	20	11	21	13	17	19	22	22	21	21	17	19	21	17	19	13	D3	7	BF	BR	- 69	2.82%	-5.55%	-5.31%
	iShares Russell Mid-Cap Value ETF	IWS	117.14	12,329	24	22	23	24	25	13	17	19	22	20	18	18	15	19	19	16	17	12	D3	6	BF	BF	- 69	2.50%	-6.11%	-7.95%
	iShares S&P Mid-Cap 400 Value ETF	IJJ	109.53	6,961	27	25	24	24	24	13	17	19	20	16	12	14	12	14	15	14	15	9	D3	5	BF	BF	- 69	1.40%	-8.38%	-10.90%
	Vanguard S&P Mid-Cap 400 Value ETI IVOV		84.28	813	27	25	24	24	24	24	22	24	18	14	8	10	8	13	11	9	11	15	D3	6	BF	BF	- 70	1.35%	-8.31%	-10.88%
	Invesco S&P MidCap Value with Mome XMVM		48.76	228	27	25	25	27	27	26	17	19	22	17	14	19	16	24	21	17	20	10	D3	6	BF	BF	+ 4	1.78%	-6.89%	-8.80%
EF-12	Style: Small-Cap Value				28	26	27	28	28	29	28	29	26	25	19	18	17	23	19	18	18	17	D3	8	BF	BF	- 18	-0.03%	-9.54%	-14.06%
	Vanguard Small Cap Value ETF	VBR	171.26	25,977	27	26	26	27	27	28	28	19	22	18	15	15	15	19	17	16	17	10	D3	6	BF	BF	+ 4	1.26%	-7.93%	-11.69%
	iShares Russell 2000 Value ETF	IWN	137.35	10,123	28	27	27	28	28	29	29	29	22	22	22	21	20	24	21	20	20	11	D3	6	BF	BF	+ 6	0.18%	-9.79%	-13.85%
	iShares S&P Small-Cap 600 Value ETf IJS		86.98	5,588	29	28	29	29	29	29	29	28	22	22	18	15	15	19	15	14	14	8	D3	5	BF	BF	+ 5	-0.92%	-11.29%	-17.50%
	SPDR S&P 600 Small Cap Value ETF	SLYV	69.80	3,326	30	28	29	29	29	29	29	28	22	22	17	15	15	19	15	14	15	8	D3	5	BF	BF	+ 5	-0.92%	-11.36%	-17.48%
	Vanguard S&P Small-Cap 600 Value E VIOV		74.71	1,087	30	28	29	29	29	29	29	28	22	22	16	15	15	19	16	14	15	8	D3	5	BF	BF	+ 5	-1.11%	-11.30%	-17.62%
	Vanguard Russell 2000 Value ETF	VTWV	120.81	678	29	27	27	28	28	29	29	29	22	22	22	21	20	24	21	20	20	11	D3	6	BF	BF	+ 6	0.25%	-9.95%	-13.78%
	Invesco S&P SmallCap Value with Mor XSVM		45.62	552	28	26	27	28	28	29	29	30	22	22	23	23	22	29	23	22	22	11	D3	6	BF	BF	+ 8	-1.04%	-8.79%	-12.17%
	Opus Small Cap Value ETF	OSCV	32.71	487	26	23	26	28	27	29	29	30	22	22	24	22	18	24	22	22	20	11	D3	7	BF	BF	+ 7	1.33%	-6.17%	-9.29%
iShares Morningstar Small Cap Value f ISCV		53.81	379	28	26	26	27	27	28	27	19	20	18	14	15	15	19	16	15	16	9	D3	5	BF	BF	- 69	0.67%	-9.24%	-12.95%	
EF-13	Style: Multi-Cap Value				24	22	22	23	23	21	20	21	19	19	14	15	14	15	17	16	15	16	D3	5	BF	BF	- 19	2.85%	-6.33%	-8.45%
	iShares Core S&P US Value ETF	IUSV	86.27	19,014	19	20	20	21	21	13	17	19	22	22	19	21	20	19	22	17	20	14	D3	4	BF	BF	- 72	3.08%	-5.33%	-5.09%
	Fidelity Value Factor ETF	FVAL	56.51	845	19	21	22	21	21	13	11	11	12	14	12	13	13	12	13	12	13	10	D3	2	BF	BF	- 118	4.53%	-5.37%	-7.35%
	JPMorgan U.S. Value Factor ETF	JVAL	38.34	608	26	25	25	24	24	13	17	16	16	15	13	14	14	14	16	14	15	11	D3	4	BF	BF	- 72	3.29%	-7.75%	-10.08%
	SPDR S&P 1500 Value Tilt ETF	VLU	171.68	409	19	19	19	11	9	13	10	11	12	14	12	14	14	14	15	14	15	11	D3	2	BF	BR	- 72	3.42%	-5.31%	-5.56%
	Alpha Architect US Quantitative Value I QVAL		39.59	330	26	23	25	26	27	13	28	19	22	22	20	18	15	13	18	16	19	14	D3	6	BF	BF	- 92	1.80%	-6.27%	-12.03%
	First Trust Multi Cap Value AlphaDEX F FAB		72.55	105	27	24	24	26	26	25	27	19	22	22	21	19	16	19	22	21	22	13	D3	6	BF	BF	+ 5	0.96%	-7.96%	-10.52%
	THEMATIC																													
EF-14	Equity Income				18	17	17	18	17	16	9	17	22	24	20	21	19	23	22	21	20	20	D3	3	BF	BF	- 5	1.36%	-6.25%	-4.07%
	Vanguard Dividend Appreciation ETF	VIG	184.75	82,876	17	18	19	11	9	10	10	12	15	15	14	16	16	17	16	14	15	12	D3	4	BF	BR	- 72	4.34%	-3.85%	-3.73%
	Schwab US Dividend Equity ETF	SCHD	25.30	65,236	20	17	16	11	9	8	10	18	22	22	24	21	18	19	21	18	20	14	D3	2	BF	BR	- 69	0.08%	-7.64%	-5.49%
	Vanguard High Dividend Yield Index E VYM		121.02	55,764	17	18	17	16	9	9	9	10	13	14	13	14	13	15	15	14	16	11	D3	1	BF	BR	- 70	3.41%	-5.04%	-3.40%
	iShares Core Dividend Growth ETF	DGRO	58.34	28,700	17	18	18	18	9	9	10	11	17	16	15	18	17	19	19	15	18	13	D3	4	BF	BR	- 70	3.38%	-4.72%	-3.02%
	SPDR S&P Dividend ETF	SDY	128.04	18,931	16	15	16	11	9	9	17	19	22	29	24	25	24	29	27	24	22	16	D3	2	BF	BR	+ 12	1.72%	-4.30%	0.07%
	iShares Select Dividend ETF	DVY	124.04	18,426	18	17	15	16	9	13	9	12	20	21	19	19	16	19	19	16	17	12	D3	3	BF	BR	- 69	1.61%	-6.12%	-2.77%
	First Trust Rising Dividend Achievers E RDVY		54.96	12,693	21	21	21	11	21	13	11	13	12	13	12	13	12	14	16	15	16	11	D3	4	BF	BR	- 71	4.25%	-5.57%	-6.34%
	ProShares S&P 500 Dividend Aristocr NOBL		96.11	11,154	17	16	17	11	9	9	17	19	22	29	24	25	24	28	27	22	22	16	D3	2	BF	BR	+ 11	1.66%	-4.44%	-0.85%



				Relative Strength Ranking - RSR																		% Price Δ								
Group or Corp	Ticker	Price	MKT Cap(MM)	04/11	04/04	03/28	03/21	03/14	03/07	02/28	02/21	02/14	02/07	01/31	01/24	01/17	01/10	01/03	12/31	12/27	12/20	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month		
EF-14	Equity Income																													
	iShares Core High Dividend ETF	HDV	111.82	10,724	14	9	4	6	6	5	8	10	22	22	24	25	22	24	23	22	22	17	D2	1	BF	BR	- 68	0.49%	-5.38%	1.54%
	First Trust Value Line Dividend Index F FVD		42.63	8,724	14	12	15	11	9	8	11	19	22	22	24	24	23	24	22	19	20	14	D3	2	BF	BR	- 68	1.74%	-3.53%	0.63%
	First Trust SMID Cap Rising Dividend A SDVY		31.16	7,246	27	26	27	28	29	29	29	28	22	22	15	14	14	19	19	18	19	10	D3	6	BF	BF	+ 5	2.80%	-5.99%	-11.57%
	First Trust Preferred Securities & Incon FPE		16.99	5,501	13	7	14	9	9	10	13	19	22	21	21	23	19	14	16	16	16	15	D2	2	BF	BR	- 85	-1.34%	-3.29%	-2.02%
	First Trust Morningstar Dividend Leade FDL		39.44	4,977	16	10	4	5	5	4	6	9	15	17	19	22	19	22	21	20	21	14	D2	1	BF	BR	- 69	-0.03%	-7.65%	0.14%
	WisdomTree U.S. LargeCap Dividend I DLN		74.58	4,426	16	17	16	11	9	9	9	10	15	14	14	17	16	17	16	15	16	12	D3	1	BF	BR	- 71	3.22%	-4.53%	-2.44%
	FT Cboe Vest S&P 500 Dividend Aristc KNG		47.82	3,537	16	15	17	11	9	9	17	19	22	29	24	25	24	28	26	22	22	16	D3	2	BF	BR	+ 12	1.70%	-4.00%	-0.74%
	WisdomTree U.S. MidCap Dividend Fu DON		45.57	3,322	25	20	22	24	24	13	17	19	22	21	15	15	14	19	16	15	16	10	D3	5	BF	BR	- 70	1.33%	-6.67%	-7.98%
	VanEck Preferred Securities ex Financ PFXF		15.72	1,715	19	16	10	11	9	13	17	19	22	22	24	20	19	18	16	18	17	16	D3	6	BF	BF	- 1	-0.57%	-6.72%	-6.62%
	WisdomTree U.S. SmallCap Dividend I DES		29.01	1,688	28	25	26	27	27	28	29	28	22	22	21	20	18	23	18	15	16	9	D3	6	BF	BF	+ 5	-0.75%	-9.53%	-11.95%
	WisdomTree U.S. Total Dividend Fund DTD		72.05	1,250	17	17	17	11	9	10	9	10	15	15	14	17	15	18	16	15	16	12	D3	2	BF	BR	- 71	2.65%	-5.01%	-3.37%
	WisdomTree U.S. High Dividend Fund DHS		90.11	1,153	16	11	4	7	7	5	7	9	15	15	14	19	16	18	16	15	15	11	D2	1	BF	BR	- 68	-0.51%	-7.06%	-0.98%
	ALPS Sector Dividend Dogs ETF SDOG		53.01	1,120	19	18	15	15	9	8	10	12	21	22	23	21	19	19	21	18	20	14	D3	2	BF	BR	- 68	1.55%	-7.37%	-4.00%
	Invesco High Yield Equity Dividend Act PEY		19.34	1,064	24	18	16	11	9	8	10	16	22	21	19	20	17	22	21	17	18	12	D3	3	BF	BR	- 70	-0.77%	-9.41%	-6.19%
	Invesco S&P Ultra Dividend Revenue F RDIV		44.08	720	23	18	17	11	9	13	10	16	21	22	21	21	20	23	21	17	19	13	D3	3	BF	BR	- 70	0.55%	-7.80%	-5.79%
	Invesco Dividend Achievers ETF PFM		43.56	654	17	18	19	11	9	10	10	12	16	15	14	16	16	18	17	14	16	12	D3	2	BF	BR	- 71	3.96%	-4.05%	-3.26%
	Global X SuperDividend US ETF DIV		17.10	598	17	11	7	7	7	6	8	9	15	14	14	19	17	19	19	19	20	14	D2	1	BF	BR	- 69	-1.16%	-8.11%	-1.96%
	WisdomTree U.S. AI Enhanced Value I AIVL		102.24	360	17	17	15	11	9	10	10	12	20	21	19	19	18	23	22	19	20	15	D3	3	BF	BR	- 68	2.65%	-5.73%	-2.19%
	Invesco KBW High Dividend Yield Fina KBWD		12.52	359	27	18	17	8	7	6	6	8	11	13	12	20	18	23	17	22	21	14	D2	2	BF	BF	- 69	-5.22%	-14.94%	-9.95%
VictoryShares Dividend Accelerator ET VSDA		48.21	229	18	13	10	11	9	9	13	19	22	22	21	23	22	24	23	20	20	14	D3	2	BF	BR	+ 2	1.44%	-5.16%	-2.48%	
WBI Power Factor High Dividend ETF WBIY		26.92	52	24	18	19	11	9	10	17	19	22	30	24	22	21	24	22	22	22	14	D3	3	BF	BF	+ 7	-0.16%	-7.66%	-6.80%	
Siren DIVCON Leaders Dividend ETF LEAD		62.57	50	18	21	25	26	25	13	17	19	22	22	23	20	19	23	22	19	19	13	D3	8	BF	BF	- 2	5.08%	-3.43%	-4.75%	
US Equity Dividend Select ETF RNDV		29.38	43	25	23	21	11	21	10	17	13	22	22	23	22	23	24	23	22	22	16	D3	3	BF	BF	- 69	2.44%	-8.26%	-7.50%	
Global X S&P 500 Quality Dividend ETI QDIV		32.25	29	19	18	10	11	9	8	17	19	22	29	24	23	22	23	23	21	22	15	D3	2	BF	BR	- 68	2.05%	-7.16%	-4.85%	
EF-15	Low Volatility				15	15	16	18	16	16	7	15	18	16	18	19	17	19	17	15	13	13	D3	4	BF	BR	- 6	2.84%	-3.12%	-1.68%
	iShares MSCI USA Min Vol Factor ETF USMV		89.98	22,783	10	10	7	9	7	6	8	11	17	15	19	22	22	19	21	17	19	14	D2	2	BF	BR	- 73	3.19%	-1.84%	2.98%
	Global X NASDAQ 100 Covered Call E QYLD		16.30	8,198	17	22	23	24	21	13	11	9	10	11	11	12	10	8	10	8	10	11	D3	1	BF	BR	- 114	7.17%	-2.97%	-7.84%
	Invesco S&P 500 Low Volatility ETF SPLV		71.48	7,389	6	8	4	8	7	5	8	11	20	19	22	23	20	23	21	16	18	14	D1	1	BR	AR	- 68	2.13%	-1.64%	5.07%
	Global X S&P 500 Covered Call ETF XYLD		38.27	2,982	16	18	19	11	9	10	9	9	10	11	11	12	10	8	10	8	9	11	D2	3	BF	BR	- 69	5.72%	-2.97%	-6.05%
	First Trust BuyWrite Income ETF FTHI		21.03	1,214	18	20	21	11	21	13	12	12	13	14	13	14	13	11	12	11	12	10	D3	3	BF	BF	- 117	5.15%	-3.92%	-6.62%
	Fidelity Low Volatility Factor ETF FDLO		58.06	1,190	16	17	17	19	9	9	10	12	17	16	14	19	19	17	17	14	15	12	D3	3	BF	BR	- 122	3.88%	-3.08%	-2.45%
	SPDR SSGA US Large Cap Low Volat LGLV		166.31	918	10	9	7	8	7	6	9	16	21	17	19	21	18	19	21	16	17	13	D2	2	BF	BR	- 71	2.56%	-2.05%	2.82%
	Invesco S&P MidCap Low Volatility ETI XMLV		58.20	758	16	11	14	11	9	10	11	19	22	21	19	19	16	19	16	15	15	10	D3	2	BF	BR	- 68	0.36%	-4.00%	-0.78%
	First Trust Nasdaq BuyWrite Income E FTQI		18.17	561	20	25	25	25	25	13	17	10	11	13	12	12	12	9	10	9	10	8	D3	2	BF	BF	- 113	6.26%	-4.14%	-9.48%
	SPDR Russell 1000 Low Volatility Focu ONEV		120.24	548	16	16	17	11	9	13	17	19	22	22	19	19	18	19	21	17	19	13	D3	4	BF	BR	- 70	2.09%	-3.51%	-2.87%
	VictoryShares US 500 Volatility Wtd ET CFA		79.41	488	19	19	20	11	21	13	16	19	18	15	14	15	15	17	16	15	16	11	D3	5	BF	BR	+ 2	3.27%	-4.73%	-5.19%
	AGF U.S. Market Neutral Anti-Beta Fur BTAL		20.96	417	1	1	1	1	1	1	3	24	30	29	29	30	30	22	26	22	25	28	U3	4	AR	AR	+ 19	-1.78%	3.76%	14.22%
	VictoryShares US 500 Enhanced Volat CFO		64.36	386	19	19	20	11	21	13	17	19	18	15	14	15	15	17	16	15	16	11	D3	5	BF	BR	+ 2	3.21%	-4.55%	-5.22%
	iShares MSCI USA Small-Cap Min Vol SMMV		39.95	274	14	14	16	18	9	13	17	19	18	15	15	18	15	15	14	13	13	9	D3	4	BF	BR	- 69	2.07%	-2.16%	-1.27%
	Invesco S&P SmallCap Low Volatility E XSLV		43.16	260	21	16	20	24	22	13	17	19	22	22	22	24	21	24	20	16	17	10	D3	6	BF	BR	+ 4	-0.95%	-5.55%	-5.15%
	WisdomTree PutWrite Strategy Fund PUTW		30.17	226	16	19	20	11	9	13	13	11	12	14	13	14	14	12	13	12	13	11	D3	2	BF	BF	- 114	5.43%	-2.99%	-5.02%
	Vanguard U.S. Minimum Volatility ETF VFMV		120.04	226	12	10	7	8	7	6	8	9	15	14	14	20	17	18	17	15	16	12	D2	2	BF	BR	- 72	1.98%	-3.19%	0.96%
	SPDR SSGA US Small Cap Low Volati SMLV		113.69	178	25	19	21	23	21	13	11	17	12	12	13	15	15	19	15	13	13	6	D3	4	BF	BR	- 69	-0.29%	-7.86%	-6.65%
	Innovator U.S. Equity Ultra Buffer ETF UJUL		32.72	128	16	16	20	20	19	18	15	11	15	13	13	14	12	8	10	9	9	10	D3	2	BF	BF	- 18	3.25%	-2.71%	-4.82%
VictoryShares US Multi-Factor Minimur VSMV		46.48	107	14	9	10	11	9	10	11	17	21	21	19	20	17	15	19	15	16	13	D3	4	BF	BR	- 123	3.55%	-2.16%	-2.33%	

		Relative Strength Ranking - RSR																				% Price Δ							
Group or Corp	Ticker	Price	MKT Cap(MM)	04/11	04/04	03/28	03/21	03/14	03/07	02/28	02/21	02/14	02/07	01/31	01/24	01/17	01/10	01/03	12/31	12/27	12/20	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month	
EF-15	Low Volatility																												
	First Trust Horizon Managed Volatility C HUSV	38.49	92	6	8	4	7	7	5	7	9	15	15	16	21	19	19	21	17	19	14	D1	2	BF	AR	- 70	2.43%	-1.81%	5.02%
	Franklin U.S. Low Volatility ETF FLLV	52.36	84	18	18	10	11	9	9	11	11	21	22	19	21	18	19	22	20	22	15	D3	2	BF	BR	- 73	2.31%	-6.25%	-3.79%
	Invesco S&P 500 ex-Rate Sensitive Lo XRLV	54.16	44	6	8	4	8	7	5	7	11	20	18	21	23	20	22	21	16	18	14	D1	1	BR	AR	- 68	1.98%	-1.65%	5.06%
	Invesco S&P 500 Minimum Variance E SPMV	44.84	5	14	15	15	11	9	9	9	11	17	15	19	18	18	19	18	15	17	13	D2	3	BF	BR	- 71	3.17%	-3.75%	-0.18%
EF-16	Volatility			1	1	9	16	7	5	22	25	29	26	25	28	24	5	23	19	21	11	U3	2	AR	AR	+ 7	1.59%	17.33%	17.30%
	ProShares Short VIX Short-Term Futur SVXY	34.63	640	30	30	27	26	27	30	24	24	16	24	23	15	20	29	23	27	26	29	D3	6	BF	BF	- 6	-5.51%	-24.72%	-27.88%
	Invesco S&P 500 High Beta ETF SPHB	73.14	332	29	30	30	29	29	30	29	18	12	15	14	12	12	12	13	13	14	9	D3	5	BF	BF	+ 4	7.39%	-9.94%	-17.68%
	ProShares VIX Short-Term Futures ET VIXY	75.69	124	1	1	1	6	1	1	29	30	30	30	30	30	30	8	30	28	29	21	U3	2	AR	AR	+ 7	3.51%	50.24%	55.58%
	ProShares Ultra VIX Short-Term Futur UVXY	40.46	115	1	1	1	15	1	1	30	30	30	30	30	30	30	23	30	30	30	29	U3	2	AR	AR	+ 8	1.68%	70.07%	75.15%
	ProShares VIX Mid-Term Futures ETF VIXM	18.91	29	1	1	1	4	1	1	5	8	26	21	23	29	25	4	24	23	24	14	U3	7	AR	AR	+ 18	2.44%	20.22%	24.49%
	VictoryShares US Discovery Enhancec CSF	50.70	25	19	13	26	27	27	28	26	19	19	15	14	15	15	19	16	15	15	9	D3	5	BF	BR	+ 4	0.03%	-1.36%	-5.17%
EF-17	Momentum			24	25	26	26	26	28	22	20	11	9	8	7	8	10	9	9	8	9	D3	5	BF	BF	- 18	3.99%	-4.68%	-9.08%
	iShares MSCI USA Momentum Factor MTUM	196.06	13,528	18	25	23	21	23	13	8	9	7	8	10	9	9	10	11	10	12	9	D3	1	BF	BF	- 74	8.22%	-2.68%	-4.99%
	Invesco S&P 500 Momentum ETF SPMO	89.82	5,171	17	25	21	11	9	13	7	8	8	8	9	9	9	8	10	8	11	8	D2	3	BF	BR	- 94	9.11%	-4.12%	-5.85%
	First Trust Dorsey Wright Focus 5 ETF FV	51.83	3,921	27	26	27	27	27	28	17	18	11	12	11	12	12	12	13	12	13	9	D3	3	BF	BF	- 70	4.45%	-6.27%	-11.31%
	Pacer Trendpilot US Large Cap ETF PTLT	48.53	3,169	22	17	22	23	23	21	15	10	9	9	8	8	8	6	7	6	12		D3	3	BF	BF	- 105	-1.10%	-5.36%	-8.42%
	Main Sector Rotation ETF SECT	48.73	1,749	25	26	26	26	26	25	22	11	8	9	9	7	9	8	6	7	7	7	D3	4	BF	BF	- 125	5.84%	-6.04%	-10.57%
	JPMorgan U.S. Momentum Factor ETF JMOM	54.16	1,246	19	24	24	23	24	13	12	11	10	10	11	11	11	10	12	11	12	8	D3	2	BF	BR	- 117	6.20%	-3.97%	-7.24%
	Pacer Trendpilot 100 ETF PTNQ	67.22	1,203	21	17	21	21	19	18	17	8	9	10	11	11	10	5	6	7	7	12	D3	2	BF	BF	- 113	0.28%	-6.33%	-9.01%
	Invesco DWA Momentum ETF PDP	95.59	1,142	26	26	27	27	28	29	17	19	9	10	12	9	10	11	11	10	10	6	D3	4	BF	BF	- 72	5.40%	-4.31%	-10.61%
	Vanguard U.S. Momentum Factor ETF VFMO	143.07	883	27	28	28	28	28	30	17	19	11	11	12	11	12	13	12	12	12	8	D3	4	BF	BF	- 70	5.31%	-6.02%	-11.62%
	VictoryShares US Small Mid Cap Value USVM	72.90	751	27	26	26	28	28	29	29	30	22	19	15	16	15	18	16	16	16	10	D3	6	BF	BR	+ 5	1.97%	-6.72%	-11.88%
	Invesco DWA SmallCap Momentum E DWAS	72.23	581	30	29	30	30	30	30	30	30	22	22	24	19	24	29	16	19	18	11	D3	7	BF	BF	+ 7	2.27%	-8.76%	-17.47%
	Fidelity Momentum Factor ETF FDMO	62.97	425	22	26	26	25	26	27	13	10	8	9	11	10	9	9	10	8	9	6	D3	2	BF	BF	- 105	7.73%	-3.37%	-9.38%
	Pacer Trendpilot US Mid Cap ETF PTMC	34.61	407	18	15	26	28	27	28	28	28	21	16	11	11	11	15	14	14	14	17	D3	7	BF	BF	- 67	-0.06%	0.26%	-5.64%
	Momentumshares US Quantitative Mor QMOM	55.40	278	27	29	29	30	30	30	30	30	15	6	5	4	4	5	5	8	8	12	D3	6	BF	BF	- 71	5.85%	-3.64%	-14.51%
	First Trust Managed Futures Strategy F FFMF	44.90	151	14	7	16	11	9	13	17	19	22	16	14	18	15	10	12	14	15	15	D3	1	BF	BF	- 18	-1.97%	-1.91%	-6.20%
	VictoryShares US Value Momentum E ULVM	74.50	138	21	20	20	11	9	13	10	12	13	14	12	14	13	15	16	15	15	11	D3	4	BF	BR	- 71	3.34%	-6.31%	-5.97%
	SPDR S&P 1500 Momentum Tilt ETF MMTM	231.55	134	24	27	26	27	26	27	17	11	11	13	12	11	11	10	11	10	12	9	D3	3	BF	BF	- 104	7.28%	-5.12%	-10.41%
	First Trust Dorsey Wright Dynamic Foc FVC	34.02	128	18	17	21	11	21	13	17	18	15	14	12	14	14	12	13	13	13	9	D3	4	BF	BF	- 65	1.73%	-3.28%	-5.11%
	SPDR Russell 1000 Momentum Focus ONEO	108.98	82	22	21	23	24	25	13	17	19	18	14	13	14	13	13	16	14	15	10	D3	5	BF	BR	- 70	3.68%	-4.56%	-7.52%
Pacer CFRA-Stovall Equal Weight Sea SZNE	32.65	21	26	26	26	27	27	27	29	28	22	22	24	23	24	27	28	25	25	17	D3	7	BF	BF	+ 14	4.31%	-6.69%	-9.73%	
EF-18	Quality			21	22	24	24	24	21	17	15	14	12	11	13	14	14	11	12	11	11	D3	5	BF	BF	- 18	4.25%	-4.88%	-7.16%
	iShares MSCI USA Quality Factor ETF QUAL	163.45	46,412	20	23	25	25	24	13	17	16	16	16	15	16	16	15	16	14	15	12	D3	4	BF	BF	- 118	5.12%	-4.41%	-7.11%
	Invesco S&P 500 Quality ETF SPHQ	63.29	11,585	17	19	19	11	9	10	9	10	12	13	12	14	15	15	15	13	14	11	D3	1	BF	BF	- 122	5.03%	-4.38%	-4.02%
	JPMorgan U.S. Quality Factor ETF JQUA	53.70	5,373	18	19	19	11	9	10	9	10	11	12	12	13	13	12	13	12	13	9	D3	1	BF	BR	- 122	4.11%	-4.61%	-4.98%
	Fidelity Quality Factor ETF FQAL	61.65	968	17	20	21	20	9	13	10	10	12	14	13	14	14	12	13	13	14	10	D3	2	BF	BR	- 115	5.55%	-4.06%	-4.77%
	Invesco S&P SmallCap Quality ETF XSHQ	36.34	404	27	26	29	30	30	30	30	30	22	22	23	22	21	24	21	17	17	9	D3	7	BF	BF	+ 6	0.97%	-5.27%	-11.84%
	FlexShares US Quality Large Cap Inde QLC	60.79	375	19	23	23	21	21	13	11	10	11	13	12	13	12	11	12	11	12	10	D3	2	BF	BF	- 116	5.54%	-5.21%	-7.50%
	Vanguard U.S. Quality Factor ETF VFQY	125.61	355	25	25	26	27	26	13	17	19	18	16	14	16	15	17	17	15	16	11	D3	5	BF	BF	- 97	3.44%	-6.28%	-9.86%
EF-19	Multi-factor			21	20	21	22	22	21	19	21	17	17	16	16	15	20	16	16	14	14	D3	5	BF	BF	- 19	2.61%	-5.32%	-6.20%
	WisdomTree US Quality Dividend Grov DGRW	75.95	14,104	18	19	21	11	22	13	17	19	20	21	19	18	19	19	21	16	19	14	D3	5	BF	BF	- 73	3.97%	-3.96%	-4.92%

		Relative Strength Ranking - RSR																				% Price Δ							
Group or Corp	Ticker	Price	MKT Cap(MM)	04/11	04/04	03/28	03/21	03/14	03/07	02/28	02/21	02/14	02/07	01/31	01/24	01/17	01/10	01/03	12/31	12/27	12/20	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month	
EF-19	Multi-factor																												
	Goldman Sachs ActiveBeta U.S. Large	104.94	11,916	21	24	24	24	24	13	13	11	12	14	12	13	13	12	12	11	12	9	D3	3	BF	BF	- 116	5.34%	-4.64%	-7.88%
	SPDR Portfolio S&P 500 High Dividend	40.42	6,366	19	16	15	11	9	10	11	19	22	22	24	24	22	25	22	20	21	14	D3	2	BF	BR	- 69	0.10%	-6.79%	-3.25%
	iShares MSCI USA Value Factor ETF	98.42	6,122	21	20	19	18	9	13	10	10	15	18	16	15	15	19	21	19	21	15	D3	4	BF	BF	- 70	2.68%	-7.22%	-5.69%
	Invesco Russell 1000 Dynamic Multifac	52.04	4,463	15	18	20	11	9	13	9	10	11	12	12	13	13	11	12	10	12	9	D3	1	BF	BR	- 27	6.01%	-1.84%	-3.20%
	John Hancock Multifactor Mid Cap ETF	53.39	3,619	26	25	25	26	26	26	23	25	17	11	9	10	9	14	11	12	12	15	D3	6	BF	BF	- 70	2.89%	-6.32%	-10.18%
	Invesco S&P 500 High Dividend Low V	46.23	3,279	16	14	11	9	7	6	9	12	22	22	24	25	23	24	21	19	20	15	D3	2	BF	BR	- 69	0.22%	-6.76%	-0.98%
	First Trust RBA American Industrial Re	67.12	3,057	27	29	30	30	30	30	30	30	22	14	14	10	9	12	12	13	12	6	D3	5	BF	BR	+ 5	7.25%	-2.71%	-12.27%
	Invesco S&P 500 GARP ETF	92.08	2,819	27	26	25	27	27	28	17	19	21	18	15	13	12	12	16	16	19	12	D3	5	BF	BF	+ 4	3.86%	-7.07%	-12.42%
	Principal U.S. Mega-Cap ETF	54.82	2,444	18	22	23	11	22	13	9	9	9	10	10	11	11	9	10	7	9	7	D3	1	BF	BF	- 115	6.39%	-3.36%	-7.37%
	iShares U.S. Equity Factor ETF	55.24	2,163	20	24	24	22	22	13	10	10	10	12	12	12	12	11	12	10	12	9	D3	2	BF	BF	- 118	5.54%	-4.88%	-7.64%
	FlexShares Quality Dividend Index Fun	63.96	1,637	23	22	23	23	22	13	17	13	17	18	18	18	16	15	16	14	15	12	D3	4	BF	BF	- 122	3.58%	-6.42%	-7.84%
	iShares MSCI USA Small-Cap Multifac	57.58	1,601	28	27	27	28	28	29	28	19	13	14	12	13	12	12	13	13	13	7	D3	4	BF	BF	- 70	2.20%	-7.88%	-13.95%
	ProShares S&P MidCap 400 Dividend	76.44	1,501	17	16	17	11	9	13	11	19	22	22	19	19	16	23	19	16	17	10	D3	4	BF	BR	- 69	1.62%	-3.86%	-1.52%
	SPDR MSCI USA StrategicFactors ETF	149.52	1,389	16	17	18	18	17	16	5	10	14	11	12	16	16	16	16	16	14	14	D3	1	BF	BR	- 121	4.11%	-3.63%	-2.69%
	WisdomTree U.S. LargeCap Fund	56.10	987	20	22	22	11	21	13	10	10	12	13	12	13	12	12	12	11	12	10	D3	2	BF	BF	- 117	4.63%	-5.50%	-7.28%
	John Hancock Multifactor Large Cap E	64.03	860	21	23	23	23	23	21	15	13	11	10	9	10	10	11	10	9	8	14	D3	4	BF	BF	- 74	4.73%	-5.01%	-7.35%
	ALPS O'Shares US Small-Cap Quality	39.80	836	22	19	23	26	25	13	27	19	22	22	23	23	20	23	21	17	18	11	D3	7	BF	BF	+ 5	1.61%	-5.03%	-6.49%
	ALPS O'Shares U.S. Quality Dividend	50.69	767	16	17	18	20	9	8	10	12	18	18	15	19	19	18	17	14	15	12	D3	4	BF	BR	- 72	3.24%	-3.19%	-2.63%
	SPDR Russell 1000 Yield Focus ETF	100.55	741	20	18	18	11	9	13	13	19	22	22	20	19	17	19	21	18	20	13	D3	3	BF	BR	- 69	1.26%	-6.43%	-5.91%
	VictoryShares US EQ Income Enhance	60.33	706	16	9	7	9	9	9	9	10	20	22	20	21	17	22	21	18	20	14	D2	1	BF	BR	- 67	0.61%	-5.69%	-0.96%
	Vanguard U.S. Value Factor ETF	102.31	671	27	26	24	24	25	25	24	19	22	22	18	16	15	19	21	20	21	12	D3	6	BF	BF	+ 4	1.06%	-10.02%	-12.18%
	Principal U.S. Small-Cap Multi-Factor E	45.42	663	26	25	26	28	27	29	28	19	17	15	14	16	15	19	17	17	18	11	D3	5	BF	BF	+ 4	2.22%	-5.81%	-10.32%
	ProShares Russell 2000 Dividend Grov	60.82	624	25	19	22	25	21	13	17	19	22	22	24	25	24	29	23	21	19	9	D3	6	BF	BR	+ 5	-0.45%	-8.21%	-5.29%
	Franklin U.S. Low Volatility High Divid	38.79	522	10	9	5	11	8	4	4	8	21	23	24	25	23	24	22	20	20	15	D2	1	BF	BR	- 67	1.07%	-3.07%	3.77%
	John Hancock Multifactor Small Cap E	34.44	444	27	26	26	27	27	28	28	28	20	14	12	12	11	18	15	15	15	17	D3	7	BF	BF	- 71	2.07%	-7.37%	-12.57%
	Hartford Multifactor US Equity ETF	48.03	423	18	18	20	11	21	13	11	13	16	15	15	15	15	15	17	15	16	12	D3	4	BF	BR	- 73	3.54%	-4.28%	-4.90%
	FlexShares Quality Dividend Defensive	66.57	384	17	18	19	19	9	10	11	12	18	19	19	19	17	16	16	14	15	12	D3	4	BF	BR	- 122	3.75%	-4.44%	-3.75%
	JPMorgan Diversified Return U.S. Equi	108.72	372	17	18	19	11	9	13	17	19	22	22	22	21	19	22	22	21	21	14	D3	4	BF	BR	- 70	2.72%	-4.13%	-3.41%
	JPMorgan Diversified Return U.S. Mid	94.26	370	21	20	21	24	23	13	17	19	22	21	19	16	15	18	17	16	17	12	D3	6	BF	BR	- 69	2.35%	-5.20%	-6.95%
	WisdomTree U.S. Multifactor Fund	46.88	352	17	17	17	11	9	10	10	16	15	13	12	15	15	13	14	13	13	10	D3	2	BF	BR	- 93	2.69%	-4.31%	-4.08%
	WisdomTree US Smallcap Quality Divid	42.38	346	28	26	28	29	29	29	29	29	22	29	23	19	17	24	19	16	17	9	D3	6	BF	BF	+ 6	-0.31%	-9.25%	-13.60%
	VictoryShares US Large Cap High Divid	63.01	325	16	9	8	9	9	9	9	10	20	22	21	21	17	19	21	18	20	14	D3	2	BF	BR	- 69	0.71%	-5.40%	-0.99%
	Vanguard U.S. Multifactor ETF	117.50	304	25	24	24	24	25	25	17	19	15	14	13	14	14	17	16	15	16	11	D3	5	BF	BF	- 94	3.20%	-6.05%	-8.53%
	American Century STOXX U.S. Quality	57.10	228	18	18	19	11	9	9	11	12	15	14	13	15	16	15	16	14	15	11	D3	4	BF	BR	- 96	2.47%	-5.38%	-5.14%
	Invesco Russell 2000 Dynamic Multifac	35.48	213	25	23	26	27	27	29	28	28	19	14	17	16	15	19	15	14	14	8	D3	5	BF	BR	+ 4	1.87%	-5.20%	-8.74%
	First Trust Multi Cap Growth AlphaDEX	122.65	209	26	26	26	27	27	28	22	20	6	5	5	4	4	5	4	5	5	3	D3	5	BF	BF	- 71	4.85%	-5.02%	-10.76%
	PIMCO RAFI Dynamic Multi-Factor U.S	47.31	162	17	18	10	11	9	10	9	10	12	14	13	14	16	15	16	15	17	12	D3	1	BF	BR	- 71	3.85%	-4.51%	-3.44%
	Xtrackers Russell US Multifactor ETF	51.11	158	17	18	19	21	21	13	17	19	22	18	17	17	16	18	19	15	17	12	D3	5	BF	BR	- 71	3.25%	-3.22%	-3.95%
	First Trust Dorsey Wright International	19.62	104	6	10	5	6	6	4	20	20	23	27	28	27	29	29	26	27	25	27	D1	1	BR	BF	- 2	4.73%	-3.02%	5.31%
	Cambria Global Momentum ETF	27.69	104	14	16	18	11	9	13	17	19	16	17	18	17	16	19	17	19	20	14	D3	5	BF	BF	- 65	3.81%	-2.52%	-1.32%
	First Trust Dorsey Wright Momentum &	34.67	68	23	21	19	11	21	13	8	11	12	12	11	10	9	11	11	11	12	8	D3	2	BF	BR	- 71	3.31%	-5.90%	-7.19%
	RiverFront Dynamic US Dividend Advn	49.96	66	23	23	23	24	23	13	17	19	16	19	19	14	15	14	13	13	14	10	D3	4	BF	BF	- 71	3.75%	-6.02%	-8.34%
	Invesco S&P SmallCap High Dividend	12.43	62	27	18	22	24	21	13	24	28	22	30	24	25	24	29	23	25	22	14	D3	14	BF	BF	+ 11	-3.87%	-10.92%	-10.12%
	First Trust Lunt U.S. Factor Rotation E	29.69	61	23	25	25	26	27	28	25	10	7	9	11	10	10	11	10	9	10	7	D3	3	BF	BF	- 28	5.02%	-3.01%	-7.94%
	Cambria Value & Momentum ETF	28.63	52	14	9	18	14	21	26	28	28	22	21	19	16	15	15	16	16	17	12	D3	5	BF	BR	+ 5	-1.26%	-0.26%	-2.36%
	Invesco S&P 500 Value with Momentum	53.23	47	21	19	20	11	22	13	17	19	22	18	18	18	16	19	21	16	19	13	D3	5	BF	BR	- 71	2.40%	-5.32%	-5.53%



				Relative Strength Ranking - RSR																				% Price Δ							
				MKT	04/	04/	03/	03/	03/	03/	02/	02/	02/	02/	01/	01/	01/	01/	01/	12/	12/	12/	TRIPLE	50	200						
Group or Corp		Ticker	Price	Cap(MM)	11	04	28	21	14	07	28	21	14	07	31	24	17	10	03	31	27	20	CYCLE	DAY	DAY	MACD	1 week	1 month	3 month		
EF-19	Multi-factor																														
	Roundhill Acquirers Deep Value ETF	DEEP	28.24	21	29	28	28	28	29	30	30	30	22	30	24	25	23	24	22	24	26	14	D3	9	BF	BF	+ 11	0.54%	-9.73%	-16.02%	
	VictoryShares US Small Cap Volatility \ CSA		64.44	19	27	24	26	27	27	28	27	19	20	15	14	15	15	19	16	14	15	9	D3	5	BF	BR	+ 4	1.14%	-6.95%	-10.59%	
	Arrow Dow Jones Global Yield ETF	GYLD	12.22	19	12	7	4	6	7	7	11	11	18	20	22	24	24	24	23	25	22	16	D1	1	BF	BR	- 8	-1.63%	-4.27%	1.86%	
EF-20	Socially Responsible/ESG				22	21	23	22	21	22	24	23	21	22	22	20	19	22	18	22	18	20	D3	5	BF	BF	- 7	3.34%	-6.70%	-7.39%	
	iShares ESG Aware MSCI USA ETF	ESGU	116.12	12,042	22	25	25	24	24	13	17	12	12	14	12	13	12	11	12	10	12	9	D3	3	BF	BF	- 115	5.34%	-5.21%	-8.82%	
	iShares ESG Aware MSCI EAFE ETF	ESGD	79.03	8,583	6	11	3	2	1	2	5	8	14	19	21	21	26	26	28	27	26	27	D1	1	BF	BF	- 2	5.44%	-5.38%	4.72%	
	iShares ESG Aware MSCI EM ETF	ESGE	33.41	4,287	14	14	12	6	6	5	18	5	11	17	22	22	25	24	23	22	22	16	D2	1	BF	BF	- 68	2.74%	-6.15%	1.55%	
	SPDR S&P 500 Fossil Fuel Reserves F	SPYX	43.86	1,916	20	24	24	24	23	13	13	11	12	14	12	13	13	11	12	10	12	9	D3	3	BF	BF	- 115	5.84%	-4.71%	-7.73%	
	iShares ESG Aware MSCI USA Small-Cap	ESML	35.48	1,609	28	28	28	28	28	29	29	19	19	15	14	14	14	15	14	14	15	9	D3	5	BF	BF	- 69	2.10%	-8.39%	-14.37%	
	Nuveen ESG Large-Cap Value ETF	NULV	37.87	1,555	17	17	17	18	17	17	5	12	18	18	18	19	17	22	21	22	19	21	D3	3	BF	BF	- 70	2.41%	-5.00%	-2.62%	
	Nuveen ESG Large-Cap Growth ETF	NULG	76.65	1,345	24	27	28	27	27	28	23	18	11	10	11	5	8	5	5	6	6	5	D3	5	BF	BF	- 116	7.49%	-3.88%	-10.30%	
	Nuveen ESG Small-Cap ETF	NUSC	35.44	1,006	28	28	28	29	29	29	28	28	20	18	13	16	16	21	16	19	17	15	D3	7	BF	BF	- 69	1.99%	-8.71%	-14.42%	
	iShares MSCI ACWI Low Carbon Target	CRBN	183.62	909	17	19	19	18	16	17	9	8	8	10	11	11	14	13	10	10	9	11	D3	1	BF	BF	- 73	5.28%	-4.89%	-4.07%	
	Global X S&P 500 Catholic Values Custom	CATH	64.43	827	21	24	25	24	23	21	14	8	8	8	8	7	6	6	5	10	12	9	D3	3	BF	BF	- 115	5.29%	-4.70%	-8.21%	
	Invesco Solar ETF	TAN	27.72	634	30	26	29	29	29	30	30	30	30	30	30	30	30	30	30	30	30	30	D3	7	BF	BF	+ 111	-4.02%	-14.42%	-18.80%	
	Global X Conscious Companies ETF	KRMA	35.06	556	25	25	25	25	24	21	18	15	15	14	11	11	11	13	10	13	14	11	D3	4	BF	BF	- 72	4.50%	-6.53%	-9.19%	
	Nuveen ESG Mid-Cap Growth ETF	NUMG	40.48	360	27	28	28	28	29	29	25	28	15	6	4	3	3	3	3	3	2	2	D3	5	BF	BF	- 31	5.06%	-6.17%	-13.87%	
	First Trust Nasdaq Clean Edge Green Index	QCLN	26.27	355	30	29	30	30	30	30	30	30	30	30	29	25	16	15	12	15	19	12	D3	6	BF	BF	+ 9	1.27%	-10.25%	-23.45%	
	Nuveen ESG Mid-Cap Value ETF	NUMV	32.02	339	23	20	23	25	24	23	23	28	27	23	19	18	17	22	21	21	19	19	D3	6	BF	BF	- 70	2.01%	-5.71%	-6.70%	
	SPDR MSCI USA Gender Diversity ETF	SHE	108.56	228	18	20	20	20	19	17	9	10	10	12	12	14	15	12	13	13	13	10	D3	1	BF	BF	- 118	4.65%	-4.50%	-5.44%	
	Invesco WilderHill Clean Energy ETF	PBW	14.65	192	30	30	30	30	30	30	30	30	30	29	28	17	11	4	1	14	6	20	D3	7	BF	BF	- 10	2.38%	-13.42%	-28.71%	
	iShares MSCI Global Sustainable Development	SDG	70.33	162	16	16	19	19	16	16	28	28	30	30	30	30	30	30	30	30	30	29	30	D3	2	BF	BF	+ 19	2.34%	-6.50%	0.80%
	Inspire Small/Mid Cap ETF	ISMD	31.20	158	28	27	28	28	28	29	29	28	22	22	20	18	17	22	17	17	17	10	D3	6	BF	BF	+ 5	0.32%	-9.48%	-14.52%	
	Columbia U.S. ESG Equity Income ETF	ESGS	43.27	156	15	15	15	11	9	10	13	12	19	21	20	18	17	19	22	20	22	15	D3	3	BF	BR	- 92	2.71%	-3.20%	-0.88%	
	SPDR MSCI ACWI Climate Paris Aligned	NZAC	34.10	140	18	20	21	21	19	18	17	12	15	16	17	15	17	18	12	14	11	12	D3	5	BF	BF	- 72	4.76%	-4.78%	-4.64%	
	Etho Climate Leadership U.S. ETF	ETHO	50.70	137	28	27	28	28	27	28	28	28	20	15	11	12	13	16	12	15	15	9	D3	6	BF	BF	- 68	1.83%	-8.66%	-14.19%	
	Invesco MSCI Sustainable Future ETF	ERTH	37.61	134	19	20	25	24	9	13	29	19	22	30	30	25	24	28	23	22	26	20	D3	14	BF	BF	+ 15	3.09%	-6.53%	-5.21%	
	First Trust Global Wind Energy ETF	FAN	14.90	127	14	17	19	9	9	13	30	30	30	30	30	30	30	30	30	30	30	30	D3	1	BR	BF	+ 19	4.75%	-4.62%	3.58%	
	Inspire Global Hope ETF	BLES	35.91	119	17	18	17	11	9	10	17	19	20	22	24	22	22	24	23	22	22	16	D3	3	BF	BF	- 70	3.55%	-5.73%	-2.36%	
	AXS Change Finance ESG ETF	CHGX	33.62	114	27	22	24	24	23	20	17	18	17	14	13	12	15	15	13	14	11	15	D3	5	BF	BF	- 73	0.00%	-9.02%	-10.56%	
	FlexShares Trust FlexShares STOXX US ESG		127.84	112	18	20	20	21	21	13	9	10	11	12	11	13	12	12	13	11	13	9	D3	1	BF	BF	- 116	5.02%	-4.54%	-6.28%	
	VanEck Low Carbon Energy ETF	SMOG	97.93	111	13	11	13	12	11	15	23	21	26	29	28	27	24	28	20	25	21	22	D2	2	BF	BF	- 44	2.48%	-4.81%	1.52%	
	SPDR MSCI Emerging Markets Fossil Index	EEMX	32.15	77	14	15	12	6	6	5	20	6	15	20	25	23	25	24	23	24	22	23	D2	1	BF	BF	- 69	3.14%	-6.44%	1.34%	
	FlexShares STOXX Global ESG Select	ESGG	162.17	77	16	18	17	14	9	7	9	9	11	13	13	15	16	15	18	15	18	13	D2	3	BF	BF	- 73	4.98%	-5.20%	-2.97%	
	Invesco Global Clean Energy ETF	PBD	10.15	62	27	27	29	26	26	28	30	30	30	30	30	30	30	30	30	29	30	30	D3	23	BF	BF	+ 133	3.36%	-10.71%	-10.79%	
Columbia International ESG Equity Income	ESGN	30.73	32	5	9	1	3	3	3	9	10	13	21	21	21	24	25	26	25	28	22	U3	5	BR	AR	- 7	4.79%	-6.09%	6.00%		
EF-21	Thematic				23	24	23	23	23	22	15	9	6	7	6	7	7	8	7	8	8	7	D3	3	BF	BF	- 8	4.60%	-5.67%	-7.98%	
	First Trust Capital Strength ETF	FTCS	86.76	8,273	13	14	17	11	9	9	11	19	22	22	21	23	22	23	23	19	20	15	D3	3	BF	BR	- 94	3.32%	-1.08%	0.67%	
	Global X U.S. Infrastructure Development	PAVE	36.32	7,273	26	28	29	29	27	29	28	28	21	19	13	5	6	18	15	15	16	9	D3	7	BF	BF	- 125	5.58%	-5.24%	-9.34%	
	ARK Innovation ETF	ARKK	45.89	4,984	29	30	30	28	30	28	10	1	1	1	1	1	1	1	1	1	1	1	D3	2	BF	BF	- 8	9.42%	-6.71%	-20.15%	
	First Trust Nasdaq Clean Edge Smart Connect	GRID	111.35	1,937	19	25	26	23	23	27	30	19	22	29	24	14	19	19	21	21	21	15	D3	8	BF	BF	+ 6	6.48%	-4.81%	-6.10%	
	Franklin LibertyQ U.S. Equity ETF	FLQL	53.88	1,334	19	24	24	23	23	13	11	10	11	13	12	13	13	12	13	12	13	10	D3	2	BF	BF	- 122	5.61%	-4.82%	-7.34%	
	VanEck BDC Income ETF	BIZD	14.47	1,324	25	16	7	8	9	5	6	5	8	9	8	10	9	9	10	10	13	12	D2	2	BF	BF	- 116	-2.82%	-9.94%	-9.56%	
	Invesco Buyback Achievers ETF	PKW	104.13	1,094	25	25	22	11	24	13	17	19	19	14	13	14	13	15	14	13	13	9	D3	5	BF	BR	- 94	3.49%	-6.62%	-8.07%	

		Relative Strength Ranking - RSR																				% Price Δ								
		MKT	04/04	03/28	03/21	03/14	03/07	02/28	02/21	02/14	02/07	01/31	01/24	01/17	01/10	01/03	12/31	12/27	12/20	TRIPLE	50	200								
Group or Corp	Ticker	Price	Cap(MM)	11	04	28	21	14	07	28	21	14	07	31	24	17	10	03	31	27	20	CYCLE	DAY	DAY	MACD	1 week	1 month	3 month		
EF-21	Thematic																													
	ROBO Global Robotics & Automation I	47.51	847	28	29	27	24	20	17	22	6	7	6	5	2	7	8	10	13	17	13	D3	2	BF	BF	- 25	4.53%	-14.01%	-15.55%	
	Innovator U.S. Equity Power Buffer ETI	39.19	830	16	16	19	19	18	17	13	11	15	13	13	14	12	8	10	8	10	10	D3	2	BF	BF	- 18	2.94%	-2.80%	-4.39%	
	First Trust US Equity Opportunities ETF	107.72	700	26	28	27	25	27	29	11	6	3	4	5	5	5	5	5	5	4	4	D3	1	BF	BR	- 70	8.59%	-4.58%	-10.84%	
	FCF US Quality ETF	60.80	608	22	24	24	23	25	13	11	10	10	12	12	14	13	12	12	11	12	9	D3	3	BF	BR	- 122	5.03%	-4.66%	-7.26%	
	Goldman Sachs Hedge Industry VIP E' G	112.12	277	24	26	25	21	23	27	5	3	3	3	4	1	2	2	3	3	3	10	D3	1	BF	BF	- 114	6.35%	-6.30%	-10.14%	
	ProShares S&P 500 Ex-Technology E	86.51	194	17	18	19	11	9	13	9	10	12	12	11	13	12	12	13	12	13	10	D3	1	BF	BR	- 72	4.10%	-4.13%	-4.80%	
	AdvisorShares Focused Equity ETF	63.14	170	16	17	20	24	24	21	23	28	28	23	22	21	23	27	25	26	23	22	D3	5	BF	BF	- 72	3.47%	-1.85%	-1.51%	
	Renaissance IPO ETF	35.70	120	29	30	30	30	30	30	30	19	12	10	10	11	10	11	10	10	12	7	D3	5	BF	BF	- 102	7.40%	-8.30%	-18.84%	
	Global X Millennial Consumer ETF	40.69	107	24	25	23	21	23	17	2	2	1	1	1	1	1	1	1	5	6	4	D3	1	BF	BR	- 72	4.76%	-5.31%	-8.91%	
	American Customer Satisfaction ETF	57.77	90	16	18	19	21	21	17	4	6	5	5	2	5	7	3	5	3	3	9	D3	1	BF	BR	- 73	4.92%	-1.41%	-4.39%	
	Pacer American Energy Independence	36.85	87	17	16	2	4	6	13	6	8	8	8	8	5	3	4	4	6	7	5	D2	1	BF	BR	- 93	2.03%	-7.74%	-8.41%	
	ProShares S&P 500 Ex-Energy ETF	57.68	58	19	24	25	24	23	13	13	11	12	13	12	13	12	11	12	10	12	9	D3	3	BF	BF	- 115	5.84%	-4.58%	-7.71%	
	Impact Shares YWCA Women's Empo	35.81	57	19	20	19	11	9	10	9	10	12	14	12	16	16	15	15	13	15	11	D3	2	BF	BF	- 118	3.81%	-5.88%	-5.78%	
	Principal Quality ETF	63.30	44	25	26	27	27	26	27	28	19	16	15	13	13	12	12	13	12	13	10	D3	4	BF	BF	+ 3	6.10%	-5.71%	-10.65%	
	Pacer US Export Leaders ETF	42.06	40	27	29	26	26	26	26	28	19	22	22	19	15	16	19	22	22	22	16	D3	6	BF	BF	- 69	5.56%	-9.57%	-12.90%	
Point Bridge America First ETF	45.22	28	18	18	18	20	19	18	12	20	19	17	15	13	11	20	20	20	19	20	D3	5	BF	BR	- 71	2.44%	-5.08%	-3.99%		
ProShares Equities for Rising Rates E	53.96	10	19	19	14	11	9	13	10	13	19	21	19	18	14	18	22	22	25	17	D3	3	BF	BF	- 28	3.07%	-6.07%	-5.48%		
AdvisorShares Vice ETF	VICE	30.32	7	16	16	18	19	15	8	4	3	3	6	13	15	16	22	11	9	10	13	D2	3	BF	BR	- 65	2.95%	-5.47%	-0.06%	
EF-22	Alpha			17	17	20	20	20	20	18	20	16	16	18	18	17	13	14	13	12	12	D3	5	BF	BF	- 18	3.36%	-3.42%	-4.65%	
	VanEck Morningstar Wide Moat ETF	81.69	12,180	26	26	25	25	25	19	28	28	30	29	19	18	18	22	21	17	14	16	D3	9	BF	BF	- 71	3.77%	-8.09%	-10.36%	
	IQ Hedge Multi-Strategy Tracker ETF	30.39	667	14	10	16	14	16	17	17	15	17	15	17	18	16	11	11	15	16	14	D3	1	BF	BF	- 118	0.90%	-3.23%	-3.22%	
	Innovator Laddered Allocation Power B	42.90	553	15	15	18	18	16	17	11	11	15	13	13	16	14	8	10	9	11	11	D3	2	BF	BF	- 18	2.93%	-3.16%	-4.28%	
	ProShares Large Cap Core Plus	60.56	407	20	24	23	11	21	13	13	12	12	14	12	13	13	12	13	12	13	10	D3	3	BF	BF	- 73	5.61%	-5.86%	-7.59%	
	Invesco Raymond James SB-1 Equity	65.84	100	18	18	19	21	19	17	14	13	17	16	17	16	17	22	21	20	17	18	D3	4	BF	BF	- 70	2.70%	-4.90%	-3.75%	
	Hull Tactical US ETF	34.90	72	20	26	25	25	25	25	17	11	12	11	11	11	11	8	9	8	7	12	D3	4	BF	BF	- 74	9.06%	-3.59%	-8.16%	
	Innovator IBD 50 ETF	25.73	58	26	26	25	24	26	30	19	6	1	1	3	1	1	2	1	6	8	5	D3	2	BF	BF	- 24	5.54%	-5.54%	-11.31%	
	AdvisorShares Ranger Equity Bear ETI	19.20	58	1	1	1	1	1	4	5	28	30	29	30	30	30	23	29	28	29	29	U3	4	AR	AR	+ 39	-0.62%	9.28%	16.50%	
	AdvisorShares Insider Advantage ETF	104.57	42	25	25	25	26	27	26	24	26	23	20	18	17	14	20	17	19	17	19	D3	6	BF	BF	- 96	3.22%	-5.81%	-9.24%	
	Global X Guru Index ETF	GURU	45.32	41	24	23	21	21	21	18	4	4	3	2	2	2	3	2	3	9	10	6	D3	1	BF	BR	- 70	3.18%	-6.98%	-9.34%
	ProShares Merger ETF	MRGR	41.41	10	5	6	7	8	7	7	10	12	18	16	18	19	16	11	16	15	16	16	D1	2	BF	AR	- 89	0.64%	-0.71%	0.57%
	EF-23	Convertible Preferred			17	13	19	17	17	19	21	24	23	23	23	21	20	21	15	22	21	18	D3	5	BF	BF	- 8	-0.82%	-5.24%	-4.43%
iShares Preferred & Income Securities		29.10	13,363	18	15	10	11	9	13	17	19	22	22	24	23	24	19	18	22	20	18	D3	4	BF	BF	+ 8	-1.09%	-5.96%	-4.80%	
Invesco Preferred ETF		10.78	3,934	18	10	19	11	9	13	17	19	22	29	24	25	24	25	20	26	22	22	D3	3	BF	BF	+ 12	-2.71%	-6.21%	-3.52%	
SPDR Bloomberg Convertible Securitie		73.60	3,511	17	15	10	11	9	13	13	11	12	13	12	13	12	11	12	11	12	8	D3	1	BF	BR	- 69	1.06%	-4.55%	-5.04%	
iShares Convertible Bond ETF		80.75	2,342	16	15	10	11	9	13	13	10	12	13	12	14	12	11	12	12	12	9	D3	1	BF	BR	- 69	0.96%	-4.10%	-4.41%	
Invesco Variable Rate Preferred ETF		23.47	1,953	11	7	10	8	7	9	11	13	20	17	19	21	17	12	14	15	16	15	D2	1	BF	BR	- 93	-0.55%	-2.81%	-1.50%	
SPDR ICE Preferred Securities ETF		31.07	816	17	10	10	11	9	13	17	19	22	29	24	25	24	25	21	27	22	22	D3	3	BF	BF	+ 13	-1.93%	-5.38%	-3.21%	
Invesco Financial Preferred ETF		13.70	762	18	10	19	11	9	13	17	19	22	29	24	25	24	25	21	27	22	22	D3	3	BF	BF	+ 13	-2.63%	-5.88%	-3.29%	
Global X SuperIncome Preferred ETF		8.43	127	20	17	20	11	9	13	17	19	22	22	24	22	20	19	16	22	20	15	D3	8	BF	BF	+ 5	-0.35%	-6.46%	-6.37%	
Innovator S&P Investment Grade Prefe		16.99	84	18	15	21	11	9	13	25	19	22	29	24	25	24	27	22	28	22	21	D3	4	BF	BF	+ 13	-1.39%	-5.42%	-4.02%	
InfraCap REIT Preferred ETF		17.21	82	18	11	18	16	9	13	17	19	22	22	24	25	24	19	16	22	20	16	D3	2	BF	BF	- 1	-2.32%	-6.50%	-5.34%	
First Trust SSI Strategic Convertible Se		33.50	64	19	18	22	11	22	13	17	12	12	13	12	13	12	11	12	12	11	8	D3	3	BF	BF	- 68	1.89%	-4.52%	-7.49%	

			Relative Strength Ranking - RSR																				% Price Δ							
		MKT	04/04	04/04	03/28	03/21	03/14	03/07	02/28	02/21	02/14	02/07	01/31	01/24	01/17	01/10	01/03	12/31	12/27	12/20	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month			
Group or Corp	Ticker	Price	Cap(MM)	11	04	28	21	14	07	28	21	14	07	31	24	17	10	03	31	27	20									
SECTORS (US)																														
EF-24	Consumer Discr.			25	23	26	28	28	26	23	23	12	11	5	11	9	9	8	6	6	4	D3	5	BF	BF	- 17	2.32%	-3.67%	-10.34%	
	Consumer Discretionary Select Sector XLY	189.72	18,574	25	26	27	28	28	26	17	10	9	9	6	7	5	5	4	3	3	2	D3	2	BF	BR	- 73	3.79%	-3.28%	-13.85%	
	Vanguard Consumer Discretionary ETF VCR	312.17	5,144	27	26	28	30	29	29	17	12	10	10	6	7	6	5	5	4	4	3	D3	3	BF	BF	- 72	3.80%	-3.74%	-15.65%	
	iShares U.S. Home Construction ETF ITB	89.24	2,378	29	25	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	26	D3	14	BF	BF	+ 15	-3.58%	-5.82%	-10.73%	
	Fidelity MSCI Consumer Discretionary FDIS	81.08	1,650	27	26	29	30	29	29	17	12	10	10	6	7	6	5	5	3	4	3	D3	3	BF	BF	- 72	3.60%	-3.91%	-15.67%	
	SPDR S&P Homebuilders ETF XHB	91.27	1,396	28	26	30	30	30	30	30	30	30	30	30	30	25	29	30	30	30	29	21	D3	14	BF	BF	+ 14	-1.72%	-6.10%	-10.56%
	iShares U.S. Consumer Discretionary E IYC	85.14	1,226	22	23	25	27	27	13	9	9	8	8	7	8	7	5	6	4	5	3	D3	2	BF	BR	- 72	4.49%	-2.49%	-10.66%	
	SPDR S&P Retail ETF XRT	66.31	640	27	26	29	30	30	30	30	30	30	20	22	14	15	18	11	13	10	11	8	D3	4	BF	BF	+ 5	2.19%	-1.55%	-15.90%
	First Trust Consumer Discretionary Alp FXD	53.88	404	28	27	29	29	30	28	26	19	12	14	12	13	13	11	13	10	11	8	D3	4	BF	BF	+ 4	1.58%	-5.96%	-15.75%	
	Invesco Dynamic Leisure & Entertainm PEJ	46.02	302	26	26	25	25	27	13	6	7	6	5	6	9	9	7	7	6	7	5	D3	1	BF	BR	- 67	5.84%	-4.64%	-11.01%	
	VanEck Retail ETF RTH	223.36	228	10	12	17	19	19	12	3	6	4	3	1	3	4	2	5	3	4	10	D2	4	BF	AR	- 74	4.37%	1.41%	-1.26%	
	Invesco S&P 500 Equal Weight Consu RCD	46.85	186	25	22	26	26	26	13	10	12	11	13	12	13	12	11	12	9	9	6	D3	3	BF	BR	- 68	1.47%	-5.91%	-10.29%	
	First Trust Nasdaq Food & Beverage E FTXG	23.16	36	8	7	14	11	9	9	27	19	30	30	30	30	30	30	30	29	28	29	22	U1	6	AR	BR	+ 17	1.00%	0.89%	6.29%
iShares U.S. Consumer Focused ETF IEDI	49.96	30	17	18	25	27	27	13	9	11	9	10	10	13	12	10	11	9	10	6	D3	2	BF	BR	- 72	4.06%	0.18%	-6.29%		
Invesco S&P SmallCap Consumer Disc PSCD	84.49	19	30	29	30	30	30	30	30	30	30	22	22	12	14	17	15	16	14	14	9	D3	5	BF	BF	+ 5	-1.15%	-7.96%	-21.07%	
First Trust Nasdaq Retail ETF ISHP	34.28	7	16	18	16	12	7	2	2	2	1	1	1	3	3	2	2	1	1	1	D2	2	BF	BR	- 70	5.06%	-6.72%	-1.92%		
EF-25	Consumer Staples			7	8	15	20	19	11	14	18	27	28	27	27	27	28	24	23	22	22	D3	2	BR	BR	- 4	2.18%	1.51%	3.97%	
	Consumer Staples Select Sector SPDF XLP	80.35	16,204	4	7	12	11	9	6	9	11	22	22	24	25	29	28	23	21	21	15	D2	1	AR	AR	- 6	2.41%	1.59%	5.81%	
	Vanguard Consumer Staples ETF VDC	216.83	7,214	4	7	13	11	9	6	8	10	16	18	22	25	24	23	22	17	17	12	D2	2	BR	AR	- 66	2.89%	2.28%	5.49%	
	iShares U.S. Consumer Staples ETF IYK	70.32	1,470	2	3	3	6	6	4	8	10	22	29	24	30	29	29	28	25	26	21	U3	2	AR	AR	- 5	1.82%	1.45%	11.56%	
	FIDELITY COVINGTON TRUST MSCI FSTA	50.63	1,286	4	7	12	18	9	6	8	10	16	18	22	25	24	23	22	17	17	13	D2	2	BR	AR	- 66	2.76%	2.30%	5.39%	
	First Trust Consumer Staples AlphaDE FXG	64.49	287	9	9	16	23	22	13	26	19	30	30	24	30	29	29	28	26	26	16	D3	3	AF	BR	+ 14	1.78%	2.49%	3.51%	
	Invesco S&P 500 Equal Weight Consu RHS	30.05	260	8	7	13	11	9	8	17	19	30	30	30	30	30	29	28	25	25	18	U1	6	AR	BR	+ 17	1.18%	0.73%	4.17%	
	Invesco Dynamic Food & Beverage ET PBJ	45.59	92	11	12	20	24	25	13	17	19	22	22	19	25	24	24	19	20	19	12	D3	6	BF	BR	+ 5	3.43%	2.50%	1.35%	
	Invesco S&P SmallCap Consumer Staj PSCC	34.33	43	18	17	25	28	27	13	29	28	22	29	24	23	22	23	15	15	14	7	D3	5	BF	BF	+ 6	1.15%	-1.28%	-5.13%	
EF-26	Communications			19	21	19	17	18	8	3	2	2	1	1	1	2	1	1	1	1	1	D2	4	BF	BR	- 17	4.49%	-6.14%	-7.30%	
	Communication Services Select Sector XLC	91.27	19,144	17	18	16	9	9	5	6	5	6	7	7	9	10	8	8	6	7	5	D2	2	BF	BR	- 113	4.63%	-5.22%	-4.46%	
	Vanguard Communication Services ET VOX	141.38	3,972	20	23	22	11	9	8	7	7	6	7	6	8	9	6	7	6	7	5	D2	3	BF	BR	- 112	5.17%	-5.88%	-8.64%	
	Fidelity MSCI Communication Services FCOM	53.57	1,302	20	23	22	19	9	8	7	7	6	6	6	8	9	6	7	6	7	5	D2	4	BF	BR	- 112	5.20%	-5.74%	-8.86%	
	iShares U.S. Telecommunications ETF IYZ	25.80	341	15	16	7	8	9	5	6	7	8	9	10	8	9	7	6	5	6	4	D2	2	BF	AR	- 38	3.70%	-3.81%	-2.10%	
	SPDR S&P Telecom ETF XTL	91.92	110	27	26	24	11	21	13	11	9	9	9	12	9	9	7	5	5	4	3	D3	2	BF	BR	- 42	3.73%	-10.00%	-12.45%	
	EF-27	Energy			27	26	14	16	20	27	21	12	17	21	21	10	1	3	15	23	28	29	D3	2	BF	BF	- 7	0.07%	-12.02%	-17.33%
Energy Select Sector SPDR Fund XLE		78.89	26,892	25	20	4	6	9	13	11	12	22	22	24	18	11	15	23	28	29	22	D3	2	BF	BF	- 7	0.17%	-11.42%	-10.05%	
Vanguard Energy ETF VDE		109.54	6,458	26	21	4	7	9	13	17	16	22	22	24	16	10	13	22	28	29	21	D3	3	BF	BF	- 25	0.15%	-11.28%	-11.74%	
SPDR S&P Oil & Gas Exploration & Pro XOP		107.57	1,802	30	29	19	11	26	30	29	19	22	29	24	14	9	10	20	28	30	22	D3	6	BF	BF	+ 36	0.81%	-14.76%	-22.33%	
Fidelity MSCI Energy Index ETF FENY		21.59	1,313	26	21	4	6	9	13	17	13	22	22	24	16	10	13	22	27	29	20	D3	2	BF	BF	- 2	0.09%	-11.29%	-11.65%	
iShares U.S. Energy ETF IYE		41.78	1,111	25	20	4	6	9	13	12	13	22	22	24	18	10	14	22	28	29	21	D3	2	BF	BF	- 25	0.19%	-10.93%	-10.51%	
United States Oil Fund LP USO		66.46	925	25	17	14	17	20	24	15	15	17	14	6	5	1	1	3	9	20	23	D3	1	BF	BF	- 8	-2.15%	-8.05%	-17.58%	
VanEck Oil Services ETF OIH		210.29	915	30	30	25	27	29	30	30	28	27	29	28	17	5	22	25	28	30	30	D3	8	BF	BF	+ 37	1.21%	-17.25%	-24.61%	
iShares U.S. Oil & Gas Exploration & Pro IEO		78.53	455	28	26	13	14	9	28	17	18	22	22	24	16	11	13	23	29	30	25	D3	6	BF	BF	+ 36	1.20%	-13.24%	-16.15%	
Invesco S&P 500 Equal Weight Energy RYE		68.50	429	27	26	7	7	9	13	11	10	17	22	23	13	8	11	20	28	29	22	D3	1	BF	BF	- 23	1.23%	-12.74%	-13.66%	
United States Natural Gas Fund LP UNG		18.63	375	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	U3	15	BR	AR	- 2	-7.04%	-14.50%	1.14%	
First Trust Natural Gas ETF FCG		20.46	309	28	28	13	11	21	30	25	13	17	22	21	13	8	7	14	27	29	21	D3	2	BF	BF	+ 5	0.64%	-13.65%	-20.63%	
First Trust Energy AlphaDEX Fund FXN		13.61	270	29	29	17	11	24	29	25	19	21	22	24	14	9	11	20	28	29	24	D3	6	BF	BF	+ 33	1.64%	-13.96%	-19.85%	

		Relative Strength Ranking - RSR																				% Price Δ									
Group or Corp	Ticker	Price	MKT Cap(MM)	04/	04/	03/	03/	03/	03/	02/	02/	02/	02/	01/	01/	01/	01/	01/	12/	12/	12/	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month			
				11	04	28	21	14	07	28	21	14	07	31	24	17	10	03	31	27	20										
EF-27	Energy																														
	Invesco DB Oil Fund	DBO	12.49	169	25	17	16	19	21	25	15	17	19	16	7	5	1	1	5	9	20	22	D3	1	BF	BF	- 5	-2.50%	-8.23%	-17.83%	
	SPDR S&P Oil & Gas Equipment & Services	XES	56.59	142	30	30	29	30	30	30	30	30	22	30	24	15	11	19	23	30	30	28	D3	8	BF	BF	+ 32	1.71%	-18.14%	-30.32%	
	First Trust Nasdaq Oil & Gas ETF	FTXN	25.06	123	28	26	11	9	9	28	17	19	22	22	24	16	10	13	22	28	29	22	D3	7	BF	BF	+ 10	0.48%	-13.03%	-15.42%	
	iShares U.S. Oil Equipment & Services	IEZ	15.86	118	30	29	22	26	27	29	28	19	19	22	23	14	10	18	23	29	30	26	D3	6	BF	BF	+ 34	1.90%	-16.00%	-21.87%	
	United States Brent Oil Fund LP	BNO	26.97	80	23	16	13	16	19	24	15	12	16	13	8	7	1	1	6	14	21	24	D3	1	BF	BF	- 8	-2.28%	-7.38%	-16.29%	
	United States Gasoline Fund LP	UGA	56.38	73	23	15	13	18	21	28	17	11	11	6	12	14	4	2	7	14	24	25	D3	1	BF	BF	- 7	-3.11%	-6.35%	-13.32%	
	Invesco Dynamic Energy Exploration & Production	PXE	23.99	71	30	29	19	11	26	30	29	19	22	29	24	17	10	12	22	28	30	25	D3	7	BF	BF	+ 36	1.35%	-14.33%	-22.10%	
	Invesco S&P SmallCap Energy ETF	PSCF	34.04	56	30	30	30	30	30	30	30	30	30	30	30	30	21	12	14	22	30	30	24	D3	9	BF	BF	+ 36	2.75%	-15.50%	-31.92%
	Invesco DB Energy Fund	DBE	17.30	49	18	10	4	6	13	8	4	3	6	8	8	4	1	1	6	9	20	22	D2	1	BF	BF	- 2	-2.48%	-7.14%	-12.05%	
	Invesco DWA Energy Momentum ETF	PXI	37.61	46	28	29	21	24	27	30	28	19	22	22	24	14	9	12	17	28	29	18	D3	6	BF	BF	+ 6	3.61%	-10.71%	-17.75%	
	United States 12 Month Oil Fund LP	USL	33.24	40	25	17	16	19	21	25	22	17	18	17	13	11	4	1	6	12	22	24	D3	1	BF	BF	- 8	-2.40%	-8.10%	-16.33%	
Invesco Dynamic Oil & Gas Services E	PXJ	21.45	26	30	30	27	29	30	30	30	30	30	22	29	24	19	12	15	23	29	30	28	D3	8	BF	BF	+ 31	4.48%	-13.46%	-25.46%	
EF-28	Energy - MLP				16	10	1	1	2	6	1	2	3	2	2	1	1	1	1	2	5	6	D2	1	BF	BR	- 9	0.28%	-8.01%	-4.65%	
	Alerian MLP ETF	AMLP	46.56	9,684	16	9	1	1	1	2	1	2	3	8	9	9	8	9	12	14	15	11	D1	2	BF	BR	- 227	-0.98%	-9.57%	-3.53%	
	First Trust North American Energy Infrastructure MLP	EMLP	34.88	3,021	13	9	3	5	5	8	6	8	10	10	11	9	7	7	9	9	10	7	D2	1	BF	AR	- 73	0.96%	-5.10%	-1.84%	
	Global X MLP & Energy Infrastructure E	MLPX	58.01	2,505	15	14	1	1	2	9	1	3	4	2	9	5	4	4	6	7	8	6	D2	1	BF	AR	- 94	2.08%	-6.68%	-5.70%	
	Global X MLP ETF	MLPA	47.65	1,691	16	7	1	1	1	2	1	2	3	1	8	9	7	8	11	13	15	10	D1	2	BF	BR	- 227	-3.07%	-9.54%	-3.67%	
	Tortoise North American Pipeline Fund	TPYP	33.65	693	11	10	1	4	5	8	6	8	10	10	11	7	4	5	6	8	9	6	D1	2	BF	AR	- 91	2.57%	-4.69%	-2.14%	
	InfraCap MLP ETF	AMZA	40.01	382	20	16	1	1	3	5	3	4	5	5	6	5	4	5	10	10	15	8	D2	1	BF	BR	- 170	-1.28%	-14.47%	-8.47%	
	Alerian Energy Infrastructure ETF	ENFR	29.57	279	16	12	1	1	2	12	2	3	4	9	9	6	4	5	6	7	9	6	D2	1	BF	BR	- 95	0.37%	-7.45%	-6.25%	
	VanEck Energy Income ETF	EINC	90.67	78	16	14	1	1	3	13	2	3	4	2	9	6	4	5	6	8	9	6	D2	1	BF	BR	- 95	1.56%	-6.57%	-5.99%	
EF-29	Financials				25	24	20	21	22	22	4	11	7	3	4	5	4	14	5	3	4	4	D3	3	BF	BR	- 18	2.89%	-7.17%	-7.07%	
	Financial Select Sector SPDR Fund	XLF	46.67	47,699	16	18	11	8	9	9	5	8	8	8	8	10	9	11	10	8	10	7	D2	3	BF	BR	- 72	5.59%	-3.46%	-1.02%	
	Vanguard Financials ETF	VFH	111.22	10,856	18	20	16	11	9	10	6	9	8	8	7	9	8	10	10	8	9	6	D2	3	BF	BR	- 73	5.21%	-4.38%	-3.27%	
	iShares U.S. Financials ETF	IYF	105.17	3,455	17	19	15	14	9	13	6	9	9	8	8	9	8	11	11	9	10	6	D2	3	BF	BR	- 90	5.34%	-4.40%	-2.74%	
	Invesco KBW Bank ETF	KBWB	55.70	3,134	28	28	25	23	26	13	6	7	7	5	5	6	5	8	7	6	7	5	D3	1	BF	BR	- 70	4.11%	-9.34%	-13.17%	
	SPDR S&P Regional Banking ETF	KRE	49.26	2,916	30	29	26	27	27	28	11	17	11	9	9	11	10	15	12	10	11	5	D3	4	BF	BR	- 70	0.00%	-12.64%	-14.96%	
	Fidelity MSCI Financials Index ETF	FNCL	64.70	2,006	18	20	15	15	9	10	6	9	8	8	8	9	8	10	10	8	9	6	D2	3	BF	BR	- 73	5.27%	-4.27%	-3.35%	
	First Trust Financials AlphaDEX Fund	FXO	48.20	1,877	25	24	20	11	21	13	9	18	12	11	9	11	10	13	11	9	11	6	D3	3	BF	BR	- 71	2.73%	-7.42%	-7.81%	
	iShares US Financial Services ETF	IYG	73.32	1,536	17	20	16	14	9	10	5	7	7	6	6	7	7	9	8	6	8	5	D2	3	BF	BR	- 71	6.12%	-3.82%	-3.53%	
	SPDR S&P Bank ETF	KBE	46.46	1,487	29	27	25	26	26	27	10	18	12	9	10	13	10	18	13	12	12	5	D3	4	BF	BR	- 71	-0.26%	-11.31%	-12.62%	
	iShares U.S. Broker-Dealers & Securities	IAI	131.63	1,119	22	25	20	18	23	13	6	7	5	5	5	5	5	8	6	5	6	4	D2	4	BF	BR	- 72	6.21%	-4.40%	-6.54%	
	SPDR S&P Insurance ETF	KIE	56.43	824	11	9	3	6	6	6	7	19	22	14	18	23	17	24	16	14	15	11	D1	1	BF	AR	- 90	1.90%	-4.14%	4.56%	
	iShares U.S. Insurance ETF	IAK	129.09	723	6	9	2	4	4	5	6	19	22	20	21	25	19	24	19	15	17	12	U3	3	BR	AR	- 89	3.00%	-4.31%	6.54%	
	iShares U.S. Regional Banks ETF	IAT	40.51	593	30	29	28	28	29	29	17	19	13	11	10	11	9	12	11	10	11	5	D3	4	BF	BR	- 70	1.15%	-11.67%	-17.43%	
	SPDR S&P Capital Markets ETF	KCE	116.23	416	28	28	26	27	28	28	11	11	10	8	7	8	8	10	7	5	7	4	D3	3	BF	BR	- 92	4.81%	-6.96%	-12.37%	
	Invesco KBW Property & Casualty Ins.	KBWP	116.89	415	6	7	1	6	5	7	9	28	30	22	24	25	21	24	16	14	14	10	U2	5	BR	AR	- 82	2.20%	-3.01%	6.72%	
	Invesco S&P 500 Equal Weight Financials	RYF	66.97	287	19	20	17	11	9	13	8	12	13	11	9	12	10	12	11	9	11	7	D3	2	BF	BR	- 72	4.05%	-5.59%	-4.63%	
	First Trust Nasdaq Bank ETF	FTXO	26.62	197	29	29	25	26	27	26	8	10	8	7	7	8	6	10	10	8	9	5	D3	2	BF	BR	- 70	2.72%	-10.56%	-14.92%	
	First Trust NASDAQ ABA Community E	QABA	46.16	99	29	26	25	27	26	27	17	19	13	12	12	16	15	24	16	13	12	5	D3	5	BF	BR	- 40	-1.49%	-11.82%	-12.10%	
	Invesco DWA Financial Momentum E	PFI	49.74	59	27	26	27	28	29	29	13	19	9	9	10	10	10	18	12	11	12	7	D3	4	BF	BR	- 71	3.73%	-4.83%	-8.81%	
	Invesco KBW Regional Banking ETF	KBWR	48.98	44	29	28	26	27	27	28	13	19	12	9	10	13	11	19	13	12	12	5	D3	4	BF	BR	- 39	0.07%	-12.13%	-14.32%	
	Invesco S&P SmallCap Financials ETF	PSCF	47.24	18	28	24	25	26	26	26	17	19	20	15	18	21	19	27	17	15	15	7	D3	6	BF	BR	- 70	-1.73%	-9.88%	-9.87%	

				Relative Strength Ranking - RSR																		% Price Δ								
				MKT	04/11	04/04	03/28	03/21	03/14	03/07	02/28	02/21	02/14	02/07	01/31	01/24	01/17	01/10	01/03	12/31	12/27	12/20	TRIPLE	50	200					
Group or Corp		Ticker	Price	Cap(MM)																			CYCLE	DAY	DAY	MACD	1 week	1 month	3 month	
EF-30	Healthcare				26	22	24	22	23	23	28	27	29	28	24	26	29	28	28	28	29	28	D3	5	BF	BF	- 5	0.58%	-9.05%	-9.74%
	Health Care Select Sector SPDR Fund XLV	136.87	35,417	16	14	14	8	9	7	11	19	22	22	24	25	30	29	29	28	29	28	D2	2	BF	BF	+ 18	1.18%	-5.20%	-1.60%	
	Vanguard Health Care ETF	VHT	248.11	15,228	17	16	17	11	9	9	13	19	22	22	24	25	29	28	29	28	29	28	D2	1	BF	BF	+ 18	1.30%	-5.71%	-3.30%
	iShares Biotechnology ETF	IBB	116.96	5,257	28	26	25	23	21	13	27	19	30	29	24	25	30	29	29	28	29	27	D3	4	BF	BF	+ 17	-0.17%	-12.76%	-11.80%
	SPDR S&P BIOTECH ETF	XBI	74.33	4,887	30	29	29	28	27	30	30	30	30	30	30	30	30	30	29	28	29	27	D3	16	BF	BF	+ 15	0.91%	-14.69%	-16.89%
	iShares U.S. Medical Devices ETF	IHI	56.48	4,276	17	17	17	18	9	7	6	7	9	9	9	10	11	11	16	14	16	14	D2	3	BF	BR	- 66	2.69%	-4.49%	-5.58%
	iShares U.S. Healthcare ETF	IYH	56.91	2,974	17	16	17	15	9	9	13	19	22	22	24	25	29	28	29	28	29	28	D2	1	BF	BF	+ 18	1.10%	-5.82%	-3.53%
	Fidelity MSCI Health Care Index ETF	FHLC	63.88	2,526	17	16	17	15	9	9	17	19	22	22	24	25	29	28	29	28	29	28	D2	1	BF	BF	+ 18	1.01%	-5.69%	-3.34%
	First Trust NYSE Arca Biotechnology Ir FBT	152.03	996	25	19	21	20	16	9	5	6	15	9	4	7	14	6	18	20	18	20	D2	4	BF	BF	- 44	-0.47%	-10.15%	-11.25%	
	First Trust Health Care AlphaDEX Func FXH	97.08	888	22	18	22	11	22	13	27	19	22	22	19	23	24	23	28	25	26	22	D3	5	BF	BF	+ 15	0.59%	-6.45%	-8.26%	
	Invesco S&P 500 Equal Weight Health RYH	27.78	738	19	17	19	11	9	10	17	19	30	22	20	23	24	24	29	27	29	26	D3	3	BF	BF	+ 18	0.58%	-6.39%	-6.51%	
	iShares U.S. Healthcare Providers ETF IHF	54.60	691	1	6	11	15	9	13	29	30	22	30	24	25	30	30	30	30	30	30	U3	1	AR	AR	+ 19	6.07%	7.41%	11.27%	
	VanEck Pharmaceutical ETF	PPH	82.01	536	19	13	8	6	7	5	8	19	30	29	24	30	30	29	29	28	29	D2	1	BF	BF	- 4	-2.24%	-10.20%	-4.50%	
	VanEck Biotech ETF	BBH	144.32	334	25	19	20	19	16	17	23	25	30	29	28	30	30	29	30	30	29	30	D3	3	BF	BF	+ 21	-1.06%	-11.28%	-9.30%
	Invesco Dynamic Pharmaceuticals ETf PJP	76.43	231	24	16	16	9	9	9	12	18	22	21	22	25	28	25	23	25	27	22	D3	2	BF	BF	- 7	-2.77%	-8.85%	-6.68%	
	Invesco Dynamic Biotechnology & Gen PBE	58.23	211	27	23	25	11	22	25	29	19	22	29	23	24	24	19	23	25	25	22	D3	8	BF	BF	+ 11	-1.38%	-11.19%	-14.17%	
	SPDR S&P Health Care Equipment ET XHE	75.57	161	28	26	27	28	27	27	27	24	20	11	5	6	10	6	12	17	14	16	D3	3	BF	BF	- 63	0.61%	-8.35%	-16.49%	
	Invesco S&P SmallCap Health Care ET PSCH	39.34	146	27	21	26	27	28	28	29	19	12	15	12	17	23	18	22	21	20	15	D3	5	BF	BF	+ 4	-0.28%	-5.94%	-12.65%	
	SPDR S&P Pharmaceuticals ETF	XPH	37.66	139	28	23	23	11	21	13	17	19	22	22	19	20	24	23	23	21	22	17	D3	3	BF	BF	- 36	-2.33%	-12.01%	-11.54%
	Invesco DWA Healthcare Momentum E PTH	36.65	101	27	26	28	27	29	30	30	30	20	29	29	30	30	30	30	30	30	30	D3	5	BF	BF	- 6	2.06%	-7.03%	-8.85%	
	SPDR S&P Health Care Services ETF XHS	96.81	87	4	7	7	8	9	9	10	10	11	14	10	13	18	19	27	27	28	21	D1	3	BF	AR	- 11	2.99%	1.62%	4.18%	
	ALPS Medical Breakthroughs ETF	SBIO	25.26	73	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	29	28	D3	15	BF	BF	- 67	0.76%	-17.40%	-19.50%
	Virtus LifeSci Biotech Products ETF	BBP	52.89	19	28	25	20	20	21	24	27	19	26	29	26	21	29	28	26	27	27	27	D3	4	BF	BF	- 6	-0.89%	-11.96%	-11.41%
	First Trust Nasdaq Pharmaceuticals ET FTXH	24.04	13	27	18	17	8	7	6	13	19	30	29	24	25	29	26	28	26	28	26	D3	2	BF	BF	- 1	-3.84%	-13.73%	-10.38%	
	Virtus LifeSci Biotech Clinical Trials ET IBBC	15.70	9	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	D3	17	BF	BF	- 67	2.49%	-21.32%	-30.74%	
Loncar Cancer Immunotherapy ETF	CNCR	8.90	7	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	D3	7	BF	BF	- 7	5.70%	-16.90%	-25.73%		
EF-31	Materials				16	20	17	20	17	20	26	26	24	25	26	25	25	29	29	29	29	28	D3	3	BF	BF	- 2	6.34%	-4.88%	-0.53%
	iShares Silver Trust	SLV	29.19	14,413	3	10	1	2	1	2	17	3	8	8	13	21	21	12	24	28	26	24	U3	4	BR	AR	- 2	7.79%	-4.95%	5.72%
	Sprott Physical Gold and Silver Trust U CEF	28.62	5,568	1	1	1	1	1	1	4	2	4	2	4	11	11	2	16	20	19	15	U3	13	AR	AR	+ 12	7.92%	3.47%	14.21%	
	Materials Select Sector SPDR Fund	XLB	80.50	4,755	21	21	23	24	23	13	27	29	22	29	24	25	27	30	30	29	29	25	D3	3	BF	BF	+ 15	3.36%	-5.93%	-2.90%
	Vanguard Materials ETF	VAW	177.51	2,329	23	24	25	26	24	13	28	29	22	29	24	25	24	30	30	28	29	22	D3	4	BF	BF	+ 14	3.79%	-6.34%	-4.00%
	SPDR S&P Metals & Mining ETF	XME	53.80	1,498	25	29	26	27	26	30	30	30	22	29	30	25	24	29	29	30	30	20	D3	9	BF	BF	+ 13	10.97%	-6.65%	-5.72%
	iShares U.S. Basic Materials ETF	IYM	126.24	467	20	22	21	23	21	13	27	28	22	30	24	25	27	30	30	30	30	26	D3	3	BF	BF	+ 16	4.32%	-6.40%	-2.30%
	Fidelity MSCI Materials Index ETF	FMAT	45.47	402	23	23	25	26	25	25	28	29	22	29	24	25	24	30	30	28	29	22	D3	4	BF	BF	+ 14	3.67%	-6.29%	-4.04%
	Sprott Gold Miners ETF	SGDM	41.51	366	1	1	1	1	1	1	1	2	2	1	6	16	23	20	28	29	29	28	U3	6	AR	AR	+ 1	19.08%	15.82%	42.57%
	First Trust Materials AlphaDEX Fund	FXZ	50.79	206	28	29	28	28	27	29	30	30	30	30	30	30	29	30	30	30	30	29	D3	16	BF	BF	+ 40	4.64%	-9.96%	-9.81%
	Invesco S&P 500 Equal Weight Materials RTM	29.42	168	27	26	27	28	27	29	30	30	30	30	30	29	25	24	30	30	29	29	25	D3	14	BF	BF	+ 15	3.34%	-7.66%	-8.14%
	Invesco DWA Basic Materials Momenti PYZ	78.87	45	27	27	26	27	26	28	29	30	22	29	24	23	20	28	29	28	29	16	D3	9	BF	BF	+ 12	4.24%	-8.61%	-8.99%	
Invesco S&P SmallCap Materials ETF	PSCM	59.60	11	30	30	30	30	29	29	30	30	30	30	30	25	28	30	29	28	29	15	D3	9	BF	BF	+ 13	2.95%	-13.67%	-15.48%	
EF-32	Manufacturing				22	26	25	26	26	26	23	27	16	8	5	3	4	6	5	7	5	5	D3	5	BF	BR	- 18	6.89%	-4.05%	-8.18%
	Industrial Select Sector SPDR Fund	XLI	125.67	18,722	18	22	21	11	21	13	17	19	20	16	14	13	14	16	18	15	16	12	D3	5	BF	BR	- 71	6.55%	-3.87%	-4.02%
	iShares U.S. Aerospace & Defense ET ITA	149.11	6,084	8	18	7	6	8	13	9	19	17	12	11	13	15	17	19	15	16	14	D2	2	BF	AR	- 71	10.20%	-1.25%	2.95%	
	Vanguard Industrials ETF	VIS	237.31	4,761	20	25	25	25	25	13	17	19	22	16	14	13	13	15	17	15	16	11	D3	5	BF	BR	- 71	5.94%	-4.26%	-6.29%
	Invesco Aerospace & Defense ETF	PPA	115.40	4,494	10	18	15	11	9	13	17	28	22	14	12	13	12	13	15	13	13	11	D3	4	AF	AR	- 74	9.70%	-0.21%	0.71%



			Relative Strength Ranking - RSR																				% Price Δ							
Group or Corp	Ticker	Price	MKT Cap(MM)	04/11	04/04	03/28	03/21	03/14	03/07	02/28	02/21	02/14	02/07	01/31	01/24	01/17	01/10	01/03	12/31	12/27	12/20	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month		
EF-32	Manufacturing																													
	SPDR S&P Aerospace & Defense ETF	XAR	162.40	2,598	11	21	19	11	9	13	17	19	15	10	8	7	8	8	8	7	9	7	D3	2	BF	AR	- 73	12.05%	0.49%	-2.06%
	First Trust Industrials/Producer Durable	FXR	65.42	1,636	27	28	28	28	29	29	29	30	22	21	14	13	13	19	17	15	15	9	D3	6	BF	BF	+ 5	3.94%	-6.34%	-11.31%
	iShares U.S. Industrials ETF	IYJ	123.41	1,506	21	25	24	24	24	13	17	19	17	14	12	13	13	15	15	13	13	9	D3	4	BF	BR	- 71	5.51%	-4.78%	-5.94%
	Fidelity MSCI Industrial Index ETF	FIDU	65.76	1,197	19	25	25	24	25	13	17	19	22	17	14	13	14	18	18	16	16	11	D3	6	BF	BR	- 71	6.13%	-4.16%	-5.88%
	ARK Autonomous Technology & Roboti	ARKQ	65.61	807	25	29	27	25	25	23	5	2	1	1	1	1	1	1	1	1	1	1	D3	1	BF	BR	- 14	10.32%	-4.15%	-15.84%
	Invesco DWA Industrials Momentum E	PRN	132.48	317	28	29	30	30	30	30	30	30	22	18	22	10	11	13	12	13	12	6	D3	6	BF	BF	+ 5	6.45%	-4.82%	-14.04%
	Invesco S&P SmallCap Industrials ETF	PSCI	112.88	120	28	29	30	30	29	30	29	30	22	15	13	13	11	13	13	13	14	7	D3	5	BF	BF	+ 4	3.78%	-7.08%	-15.39%
First Trust Nasdaq Transportation ETF	FTXR	27.50	25	29	29	30	30	30	29	29	19	17	14	11	9	7	7	10	6	8	5	D3	4	BF	BF	- 68	2.13%	-8.28%	-19.46%	
EF-33	Real Estate																													
	Vanguard Real Estate ETF	VNQ	83.63	31,698	19	16	17	11	9	13	13	19	22	22	24	25	28	30	27	27	27	16	D3	2	BF	BR	+ 11	-0.68%	-6.30%	-1.24%
	Schwab U.S. REIT ETF	SCHH	19.88	7,021	19	16	17	11	9	13	17	19	22	29	29	25	28	30	28	27	28	17	D3	2	BF	BR	+ 12	-0.65%	-6.15%	-1.13%
	Real Estate Select Sector SPDR Fund	XLRE	38.92	6,766	18	15	17	11	9	10	11	19	22	22	24	25	27	29	28	27	27	16	D3	2	BF	BR	- 2	-0.10%	-5.50%	-0.03%
	iShares Global REIT ETF	REET	22.75	3,600	18	16	18	21	9	13	17	19	22	29	29	25	29	29	28	27	28	20	D3	3	BF	BR	+ 13	0.57%	-5.51%	-1.60%
	iShares U.S. Real Estate ETF	IYR	88.60	2,902	18	15	17	19	9	10	12	19	22	22	24	25	28	30	27	27	27	17	D3	2	BF	BR	+ 12	-0.57%	-6.02%	-0.62%
	iShares Core U.S. REIT ETF	USRT	52.96	2,674	22	17	19	22	9	13	13	19	22	22	24	25	27	29	23	25	25	15	D3	3	BF	BR	- 6	-0.26%	-6.79%	-3.54%
	iShares Cohen & Steers REIT ETF	ICF	57.35	1,829	18	15	17	20	9	13	17	19	22	29	29	25	28	29	27	27	27	17	D3	2	BF	BR	+ 12	-0.30%	-5.37%	-0.68%
	SPDR Dow Jones REIT ETF	RWR	90.76	1,709	22	17	19	11	9	13	11	19	22	22	24	25	27	29	23	24	22	15	D3	3	BF	BR	+ 4	-0.55%	-7.09%	-4.02%
	Fidelity MSCI Real Estate Index ETF	FREL	25.34	986	19	16	17	20	9	13	13	19	22	22	24	25	28	29	26	27	26	16	D3	2	BF	BR	- 1	-0.82%	-6.41%	-1.55%
	iShares Residential and Multisector Re	REZ	79.27	781	16	9	5	14	8	7	9	19	22	22	29	30	29	29	28	27	27	19	D3	1	BF	BR	- 6	-1.27%	-5.87%	1.79%
	iShares Mortgage Real Estate ETF	REM	19.25	530	27	15	14	4	5	4	6	9	11	14	19	25	22	29	22	27	25	17	D2	1	BF	BF	- 9	-7.09%	-16.44%	-7.14%
	VanEck Mortgage REIT Income ETF	MORT	9.26	256	27	15	8	6	5	4	6	9	12	14	19	25	22	29	22	27	25	17	D2	1	BF	BF	- 9	-6.84%	-16.36%	-7.39%
	Invesco KBW Premium Yield Equity RE	KBWY	14.79	193	29	25	27	29	28	28	30	30	30	30	30	30	30	30	30	30	29	22	D3	15	BF	BF	+ 14	-4.46%	-12.24%	-11.27%
	First Trust S&P REIT Index Fund	FRI	25.27	138	22	17	19	23	21	13	13	19	22	22	24	25	27	29	23	25	25	15	D3	3	BF	BR	+ 10	-0.32%	-6.84%	-3.65%
	Invesco S&P 500 Equal Weight Real E	EWRE	32.99	105	19	16	17	11	9	13	17	19	22	22	28	25	27	29	23	25	25	15	D3	2	BF	BR	+ 10	0.14%	-5.85%	-1.43%
	Invesco Active U.S. Real Estate Fund	PSR	86.09	56	18	15	16	11	9	10	13	19	22	29	29	25	29	30	27	27	27	16	D3	2	BF	BR	+ 12	-0.61%	-5.80%	0.06%
US Diversified Real Estate ETF	PPTY	28.65	46	26	20	22	26	25	21	22	29	29	29	29	29	28	29	25	25	25	25	D3	4	BF	BF	- 5	-1.05%	-8.24%	-7.23%	
Nuveen Short-Term REIT ETF	NURE	28.26	42	25	18	19	11	22	13	17	29	30	29	30	30	29	29	23	25	22	15	D3	3	BF	BF	+ 12	-1.41%	-7.94%	-6.54%	
EF-34	Technology																													
	Vanguard Information Technology ETF	VGIT	520.14	72,791	27	29	28	27	26	27	25	7	5	6	6	3	3	4	3	5	3	5	D3	3	BF	BF	- 16	7.13%	-8.90%	-14.30%
	Technology Select Sector SPDR Fund	XLK	198.35	61,172	27	29	29	28	27	28	27	10	11	14	14	11	11	9	9	7	8	7	D3	3	BF	BF	- 113	8.68%	-7.50%	-15.10%
	VanEck Semiconductor ETF	SMH	201.31	18,348	29	30	30	29	27	30	30	13	15	25	25	4	3	6	6	20	14	22	D3	5	BF	BF	- 117	11.34%	-11.15%	-18.56%
	iShares U.S. Technology ETF	IYV	135.70	16,929	27	29	29	27	27	28	26	10	10	14	14	11	11	10	10	8	9	7	D3	4	BF	BF	- 112	9.00%	-7.03%	-13.99%
	Fidelity MSCI Information Technology I	FTEC	154.56	10,904	27	29	29	28	27	28	27	10	11	14	14	11	11	9	9	7	8	7	D3	4	BF	BF	- 113	8.50%	-7.63%	-15.20%
	iShares Semiconductor ETF	SOXX	172.26	10,353	30	30	30	30	29	30	30	19	22	29	24	15	14	19	22	22	29	22	D3	7	BF	BF	+ 22	9.28%	-14.24%	-20.95%
	iShares Expanded Tech-Software Sect	IGV	87.20	9,801	26	28	29	27	27	28	23	9	3	2	2	2	3	2	1	1	1	1	D3	4	BF	BF	- 17	7.26%	-4.87%	-10.30%
	First Trust NASDAQ Cybersecurity ETF	CIBR	62.56	7,692	13	19	17	8	7	5	7	7	5	6	7	9	10	7	9	7	8	6	D2	2	BF	AR	- 109	8.72%	-3.47%	-1.52%
	First Trust Dow Jones Internet Index F	FDN	215.57	5,982	25	27	26	24	24	19	4	2	1	1	1	1	1	1	1	1	1	1	D3	1	BF	BR	- 8	7.44%	-5.27%	-11.31%
	iShares Expanded Tech Sector ETF	IGM	87.30	5,072	27	29	29	27	26	26	17	9	8	10	10	9	10	8	8	6	8	6	D3	2	BF	BF	- 113	8.35%	-7.46%	-13.89%
	First Trust NASDAQ-100 Technology S	QTEC	163.79	3,112	28	29	29	27	27	28	27	9	9	13	13	14	14	16	16	16	19	12	D3	4	BF	BF	- 28	7.70%	-9.19%	-13.26%
	Invesco S&P 500 Equal Weight Techn	RYT	31.94	2,825	28	29	28	27	27	28	28	12	12	14	14	13	14	13	15	13	15	11	D3	4	BF	BF	- 73	6.79%	-9.23%	-14.26%
	First Trust NASDAQ Technology Divid	TDIV	69.54	2,514	26	28	26	25	23	13	17	10	13	16	15	13	14	13	15	13	16	12	D3	4	BF	BF	- 115	6.20%	-8.31%	-10.77%
	First Trust Technology AlphaDEX Fund	FXL	125.43	1,111	28	29	29	28	27	28	27	9	3	2	1	1	2	2	1	3	2	2	D3	3	BF	BF	- 115	7.27%	-7.71%	-15.58%
	SPDR S&P Semiconductor ETF	XSD	176.77	924	30	30	30	30	29	30	30	19	22	22	14	9	7	9	8	8	13	6	D3	3	BF	BF	+ 5	5.65%	-19.25%	-29.23%
	SPDR NYSE Technology ETF	XNTK	180.82	844	26	28	25	11	9	13	13	6	6	9	11	10	10	10	10	9	11	8	D3	1	BF	BF	- 114	6.82%	-9.30%	-10.16%

				Relative Strength Ranking - RSR																				% Price Δ						
Group or Corp	Ticker	Price	MKT Cap(MM)	04/	04/	03/	03/	03/	03/	02/	02/	02/	02/	01/	01/	01/	01/	01/	12/	12/	12/	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month		
				11	04	28	21	14	07	28	21	14	07	31	24	17	10	03	31	27	20									
EF-34	Technology																													
	Invesco NASDAQ Internet ETF	PNQI	42.19	739	23	26	25	20	21	17	4	2	2	1	1	2	2	1	1	1	1	D3	1	BF	BR	- 7	6.22%	-6.27%	-8.94%	
	Invesco Dynamic Semiconductors ETF PSI		43.27	538	30	30	30	30	29	30	30	11	17	14	12	8	5	7	10	11	16	D3	3	BF	BF	+ 4	8.94%	-16.64%	-27.90%	
	SPDR S&P Software & Services ETF	XSW	152.44	418	28	29	29	28	28	29	28	10	7	6	6	7	6	5	4	3	3	D3	3	BF	BF	- 72	4.50%	-8.21%	-17.01%	
	iShares U.S. Tech Independence Focu IETC		73.73	413	25	28	28	26	26	26	17	9	7	8	9	7	8	6	6	5	6	D3	2	BF	BF	- 112	9.49%	-5.59%	-12.33%	
	First Trust Indxx NextG ETF	NXTG	81.18	325	16	18	17	9	7	7	13	9	12	15	19	14	15	15	16	14	16	D2	2	BF	BF	- 72	4.84%	-6.67%	-3.37%	
	Invesco S&P SmallCap Information Te	PSCT	36.45	222	30	30	30	30	30	30	30	30	30	22	21	15	14	15	15	14	15	D3	5	BF	BF	+ 7	3.40%	-13.05%	-23.20%	
	First Trust Nasdaq Semiconductor ETF FTXL		69.20	204	30	30	30	30	29	30	30	19	22	30	24	15	14	19	22	22	29	D3	7	BF	BF	+ 22	9.91%	-14.46%	-21.53%	
	iShares North American Tech-Multimec IGN		69.59	97	27	26	26	24	25	28	28	16	17	13	14	11	10	11	10	9	10	D3	4	BF	BF	- 64	2.91%	-7.95%	-11.98%	
	SPDR FactSet Innovative Technology I	XITK	152.01	82	27	28	26	24	24	27	5	2	1	1	1	1	1	1	1	1	1	D3	1	BF	BR	- 8	5.17%	-8.01%	-14.56%	
	SPDR S&P Kensho Future Security ET	FITE	61.29	80	18	25	22	11	9	13	17	11	8	7	7	8	9	7	6	5	7	D3	1	BF	BR	- 73	7.83%	-4.16%	-7.87%	
	Invesco Dynamic Networking ETF	PXQ	96.59	29	19	24	22	11	9	13	11	8	9	11	12	11	11	12	11	9	12	D3	1	BF	BF	- 106	6.60%	-5.78%	-5.90%	
	SPDR S&P Kensho Smart Mobility ETF	HAIL	23.49	18	28	28	26	11	21	13	17	10	11	14	19	14	12	11	8	11	15	D3	3	BF	BF	- 19	1.98%	-13.35%	-16.41%	
EF-35	Transportation				29	29	29	30	30	28	27	25	13	10	11	6	6	4	8	9	10	D3	6	BF	BF	- 18	3.16%	-9.27%	-18.80%	
	iShares US Transportation ETF	IYT	59.15	559	28	28	27	27	27	13	17	19	12	14	19	13	14	12	17	16	20	D3	5	BF	BF	- 30	4.21%	-8.17%	-13.71%	
	SPDR S&P Transportation ETF	XTN	67.01	139	30	30	30	30	30	30	29	19	15	13	11	10	9	7	10	9	12	D3	4	BF	BF	+ 4	2.12%	-10.37%	-23.64%	
EF-36	Utilities				13	12	16	15	15	18	16	12	19	19	20	17	13	18	15	18	17	D3	4	BF	BR	- 20	2.59%	-3.05%	0.24%	
	Utilities Select Sector SPDR Fund	XLU	76.32	17,094	11	10	14	9	8	13	17	11	21	22	23	18	16	19	17	17	19	D3	1	BF	BR	- 57	2.40%	-2.55%	1.70%	
	Vanguard Utilities ETF	VPU	165.48	6,451	10	9	13	9	7	13	13	11	21	22	23	18	16	19	17	18	19	D2	2	BF	BR	- 57	2.34%	-2.41%	2.28%	
	Invesco Water Resources ETF	PHO	62.10	1,976	19	19	24	26	24	13	27	30	22	29	24	25	24	29	28	27	26	D3	12	BF	BF	+ 12	3.16%	-4.33%	-3.59%	
	Fidelity MSCI Utilities Index ETF	FUTY	49.37	1,651	10	9	13	14	7	13	13	11	21	22	22	18	16	19	17	18	19	D2	2	BF	AR	- 57	2.43%	-2.40%	2.34%	
	First Trust Water ETF	FIW	96.38	1,638	19	18	23	25	21	13	26	28	22	22	24	25	24	29	28	25	25	D3	12	BF	BF	+ 12	2.51%	-5.06%	-3.58%	
	First Trust Utilities AlphaDEX Fund	FXU	39.62	1,426	3	6	2	5	4	7	6	8	12	14	14	14	12	12	12	13	13	U3	9	BR	AR	- 67	2.19%	-1.86%	5.95%	
	iShares U.S. Utilities ETF	IDU	98.42	1,368	9	9	12	14	7	13	11	10	19	20	21	18	16	18	18	19	20	D2	2	BF	AR	- 66	2.42%	-1.94%	2.82%	
	Invesco S&P 500 Equal Weight Utilities RYU		67.23	399	6	8	6	7	6	10	9	10	18	21	22	19	15	18	15	15	15	D1	1	BR	AR	- 67	2.05%	-2.22%	4.08%	
	Virtus Reaves Utilities ETF	UTES	63.06	385	15	18	19	16	9	28	13	8	8	9	9	5	4	5	6	8	9	D2	4	BF	AR	- 66	5.73%	-2.55%	-5.94%	
	Invesco DWA Utilities Momentum ETF	PUI	39.51	66	9	9	8	8	7	13	10	10	16	19	21	15	13	15	16	15	16	D2	1	BF	AR	- 66	2.65%	-2.23%	2.71%	
	Invesco S&P SmallCap Utilities & Com	PSCU	53.41	13	25	20	25	24	25	25	30	30	22	22	24	25	20	24	16	15	15	D3	7	BF	BR	+ 5	0.58%	-6.08%	-6.40%	
GLOBAL/INTL																														
EF-37	Global Index (Intl)				15	16	14	8	8	6	5	7	10	13	13	16	18	18	19	19	17	D2	2	BF	BF	- 3	4.26%	-5.77%	-1.18%	
	Vanguard FTSE Developed Markets E	VEA	49.41	140,367	6	12	4	4	4	4	10	10	15	20	22	22	24	25	28	26	28	D1	1	BF	BR	- 7	5.33%	-4.91%	4.44%	
	iShares MSCI EAFE ETF	EFA	78.97	55,484	6	10	3	2	1	1	4	6	11	17	20	21	26	26	28	27	26	D1	1	BF	BF	- 2	5.27%	-5.66%	5.21%	
	Vanguard Total World Stock ETF	VT	111.11	40,255	17	19	19	17	9	10	13	11	12	14	14	14	16	15	16	14	15	D3	2	BF	BF	- 72	5.12%	-5.11%	-4.03%	
	iShares Core MSCI Total International I	XUS	67.47	38,424	10	12	5	4	3	2	7	7	14	19	22	22	26	25	25	25	25	D1	2	BF	BF	- 70	4.51%	-5.37%	3.29%	
	iShares MSCI ACWI ETF	ACWI	111.10	17,998	17	19	19	17	16	17	10	8	10	11	12	12	15	14	11	13	11	D3	1	BF	BF	- 73	4.81%	-5.41%	-4.53%	
	iShares Global 100 ETF	IOO	92.40	5,867	19	23	22	20	19	17	10	6	8	13	11	10	11	8	6	7	7	D3	2	BF	BF	- 117	6.18%	-5.81%	-7.46%	
	iShares MSCI World ETF	URTH	146.92	4,070	17	20	20	19	18	17	9	8	9	10	11	11	13	12	10	11	10	D3	2	BF	BF	- 74	5.51%	-4.88%	-4.75%	
	Franklin U.S. Equity Index ETF	USPX	46.79	1,160	20	24	24	23	23	13	11	10	12	13	12	13	12	11	12	10	12	D3	3	BF	BF	- 115	5.66%	-4.76%	-7.74%	
	Cambria Shareholder Yield ETF	SYLD	58.44	929	28	26	27	29	29	29	30	30	22	29	24	24	21	28	26	25	26	D3	9	BF	BF	+ 12	0.92%	-8.11%	-12.43%	
	SPDR Portfolio MSCI Global Stock Mar	SPGM	59.74	920	18	20	19	18	17	17	15	8	10	11	13	12	15	14	11	13	11	D3	2	BF	BF	- 72	5.01%	-5.44%	-4.83%	
	Davis Select Worldwide ETF	DWLD	35.25	357	17	18	14	8	7	2	4	3	4	7	8	11	15	18	11	9	9	D2	2	BF	BR	- 71	3.62%	-8.17%	-0.20%	
	SPDR Global Dow ETF	DGT	131.50	293	14	16	6	5	5	4	7	8	10	13	13	15	17	19	19	16	20	D2	1	BF	BR	- 72	4.18%	-6.77%	0.94%	
	SPDR SSgA Global Allocation ETF	GAL	43.18	234	13	10	13	8	7	8	13	12	17	18	19	19	19	17	18	16	18	D2	2	BF	BR	- 70	1.62%	-4.19%	-1.00%	
	iShares Currency Hedged MSCI ACWI	HAWX	31.33	229	15	15	5	4	3	2	4	5	7	9	10	14	14	11	12	12	14	D2	1	BF	BF	- 74	2.02%	-7.74%	-2.31%	
	Cambria Global Value ETF	GVAL	23.91	166	1	1	1	1	1	1	1	2	4	8	11	17	22	23	25	24	25	U3	8	AR	AR	+ 12	2.93%	-3.86%	15.73%	

		Relative Strength Ranking - RSR																				% Price Δ							
		Price	MKT Cap(MM)	04/11	04/04	03/28	03/21	03/14	03/07	02/28	02/21	02/14	02/07	01/31	01/24	01/17	01/10	01/03	12/31	12/27	12/20	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month	
EF-37	Global Index (Intl)																												
	Xtrackers MSCI All World ex US Hedge DBAW	33.01	160	16	15	6	4	3	2	4	5	6	8	9	13	12	11	13	14	17	21	D2	1	BF	BF	- 73	2.31%	-8.19%	-2.78%
	First Trust Developed Markets ex-US S FDTS	40.95	6	5	15	5	5	5	5	17	13	16	20	24	23	24	24	23	24	22	19	D1	1	BR	AR	- 7	7.39%	-3.86%	4.47%
EF-38	Ex-US (Intl)			9	11	3	2	1	2	4	6	9	14	19	19	23	22	23	24	23	25	D1	1	BF	BF	- 2	4.47%	-6.02%	2.99%
	iShares Core MSCI EAFE ETF IEFA	73.37	124,025	5	11	3	2	1	1	5	6	11	18	21	21	26	26	28	27	26	27	D1	1	BF	BF	- 2	5.48%	-5.46%	5.19%
	Vanguard Total International Stock ETF VXUS	60.03	80,491	10	13	7	4	5	5	11	10	15	21	23	23	24	25	23	24	26	20	D1	1	BF	BF	- 8	4.49%	-5.24%	3.40%
	Schwab International Equity ETF SCHF	19.22	41,819	6	11	4	2	2	2	5	7	12	18	21	21	26	25	27	27	27	27	D1	1	BF	BF	- 2	5.32%	-4.99%	4.46%
	Vanguard FTSE All-World ex-US Index VEU	58.60	38,611	9	12	5	4	5	5	11	10	15	21	23	22	24	25	23	24	26	21	D1	1	BF	BR	- 8	4.46%	-5.33%	3.69%
	SPDR Portfolio Developed World ex-U: SPDW	35.36	23,147	6	12	4	3	2	2	5	7	12	18	21	21	26	25	27	27	26	27	D1	1	BF	BF	- 2	5.36%	-5.00%	4.25%
	Schwab Fundamental International Lar FNDF	34.80	13,812	5	9	2	1	1	1	5	8	15	21	24	23	27	28	28	27	28	28	D1	1	BR	BF	- 2	4.60%	-5.49%	5.74%
	Vanguard FTSE All-World ex-US Small VSS	113.05	7,842	12	16	14	10	11	12	25	21	24	27	28	26	28	28	25	25	25	25	D2	1	BF	BF	- 70	4.99%	-4.31%	1.33%
	Xtrackers MSCI EAFE Hedged Equity I DBEF	40.16	7,211	16	15	4	4	2	2	2	5	6	7	6	11	12	8	14	14	15	21	D2	1	BF	BF	- 125	1.98%	-8.87%	-3.79%
	iShares Currency Hedged MSCI EAFE HEFA	33.65	7,112	16	15	4	3	2	2	2	4	6	7	7	11	12	9	15	14	17	21	D2	1	BF	BF	- 125	1.91%	-9.00%	-3.64%
	iShares MSCI ACWI ex U.S. ETF ACWX	53.51	5,512	8	11	4	4	2	2	5	6	13	19	22	22	26	24	25	25	25	26	D1	1	BF	BF	- 70	4.47%	-5.41%	3.70%
	Goldman Sachs ActiveBeta Internation GSIE	34.69	3,573	5	10	3	4	4	4	9	10	13	18	21	22	24	24	23	24	27	20	D1	1	BR	AR	- 8	5.18%	-4.70%	5.24%
	SPDR MSCI ACWI ex-US ETF CWI	28.43	1,646	10	12	4	4	2	2	7	6	14	19	22	22	25	24	25	25	24	25	D1	1	BF	BF	- 70	4.14%	-5.74%	2.90%
	iShares International Equity Factor ETF INTF	29.90	1,369	5	11	3	2	1	1	4	6	11	16	20	21	26	24	26	25	25	27	D1	1	BF	AF	- 2	5.80%	-5.08%	4.99%
	Franklin International Core Dividend Til DIVI	31.36	1,232	6	10	3	2	4	3	9	10	15	19	22	23	24	27	28	27	29	22	D1	1	BF	BF	- 7	4.88%	-6.00%	5.11%
	Pacer Developed Markets International ICOW	29.83	993	9	10	2	1	1	1	11	11	15	20	24	25	24	24	27	27	29	22	D1	1	BR	BF	+ 21	3.47%	-6.69%	3.21%
	IQ FTSE International Equity Currency HFXI	26.17	951	11	14	4	4	2	2	4	6	8	14	13	18	21	21	23	24	23	26	D2	1	BF	BF	- 2	3.79%	-6.87%	0.62%
	John Hancock Multifactor Developed Ir JHMD	33.90	627	4	9	2	1	1	1	4	6	11	17	21	23	26	27	28	27	27	28	D1	1	BR	AF	- 1	5.25%	-5.15%	6.70%
	SPDR S&P International Small Cap ET GWX	31.48	611	8	16	9	6	6	6	20	13	17	20	25	24	27	28	25	25	26	27	D2	1	BF	BF	- 2	6.86%	-3.91%	3.48%
	WisdomTree International Equity Fund DWM	56.41	508	3	8	1	3	3	3	9	10	13	18	21	23	24	26	28	26	29	22	U3	4	BR	AR	- 7	4.93%	-3.95%	8.46%
	FlexShares Morningstar Developed Ma TLTD	72.40	449	4	9	2	1	4	3	9	10	12	16	20	22	24	24	23	22	27	20	D1	1	BR	AR	- 8	5.97%	-4.59%	6.75%
	Invesco FTSE RAFI Developed Market PDN	32.88	388	4	11	4	5	4	5	17	12	17	22	24	24	24	28	23	27	28	22	D1	1	BR	AR	- 6	6.24%	-3.51%	6.10%
	WisdomTree Dynamic Currency Hedge DDWM	35.46	383	4	9	2	4	4	4	7	9	12	14	14	18	18	15	21	20	22	19	D1	1	BF	AR	- 72	5.35%	-4.28%	3.67%
	WisdomTree Dynamic Currency Hedge DDLS	34.50	374	8	15	5	6	6	6	11	12	16	17	19	23	21	19	18	17	22	17	D2	1	BF	BR	- 70	5.80%	-3.57%	1.49%
	Vident International Equity Strategy ET VIDI	25.03	313	10	12	5	4	5	5	12	10	13	16	20	18	20	19	21	17	20	16	D1	1	BF	BR	- 70	3.67%	-5.56%	1.90%
	Davis Select International ETF DINT	21.39	201	16	16	7	4	2	1	7	4	7	20	24	21	21	24	16	13	11	14	D2	1	BF	BR	- 60	2.00%	-10.43%	2.15%
	Invesco International BuyBack Achieve IPKW	41.83	178	5	8	1	2	2	2	4	5	8	13	14	19	22	23	23	23	27	18	D1	1	BR	AR	- 10	2.83%	-9.14%	7.18%
	VanEck Morningstar International Moat MOTI	32.21	164	4	7	2	1	1	1	2	3	6	17	13	21	26	29	28	25	24	25	D1	1	BR	AR	- 2	3.40%	-7.69%	9.74%
	iShares Currency Hedged MSCI EAFE HSCZ	30.52	146	16	16	8	6	6	6	9	10	11	11	10	15	16	13	11	10	12	18	D2	2	BF	BF	- 72	3.63%	-7.34%	-3.17%
	First Trust International Equity Opportu: FPXI	45.82	126	17	19	21	19	17	17	13	5	4	5	6	7	16	14	16	23	20	20	D2	4	BF	BF	- 71	5.02%	-5.04%	-3.98%
	First Trust Riverfront Dynamic Develop RFDI	63.79	103	5	9	2	4	4	4	9	10	15	18	22	23	24	24	27	26	29	22	D1	1	BR	BR	- 7	4.56%	-5.03%	4.54%
	AdvisorShares Dorsey Wright ADR ET: AADR	68.70	34	13	15	1	1	2	2	4	3	4	5	6	6	6	5	6	6	7	6	D1	2	BF	AR	- 73	4.55%	-10.77%	-3.10%
	Hartford Multifactor Diversified Internati: RODE	27.92	18	8	9	4	4	2	2	7	8	15	19	22	22	24	22	22	23	21	24	D1	1	BF	BR	- 72	2.78%	-4.82%	3.29%
	Renaissance International IPO ETF IPOS	12.20	4	14	16	11	4	1	4	9	7	11	14	14	17	17	18	27	25	25	22	D2	1	BF	BF	- 8	4.42%	-9.43%	-2.35%
EF-39	Dividend (Intl)			10	11	4	5	6	3	11	14	19	25	25	24	26	25	25	25	25	26	D1	1	BF	BF	- 2	3.07%	-5.11%	2.16%
	Vanguard International High Dividend V: VYMI	70.91	8,719	4	8	2	1	4	4	9	10	13	17	21	22	24	24	23	22	26	20	U3	4	BR	AR	- 9	3.84%	-4.62%	6.56%
	Vanguard International Dividend Appre: VIGI	80.50	7,256	11	15	13	6	7	6	17	17	22	22	24	25	29	29	29	27	29	22	D2	2	BF	BF	- 2	4.44%	-4.15%	2.14%
	Fidelity High Dividend ETF FDVV	46.26	4,515	19	19	19	17	9	10	11	11	17	18	21	17	16	15	15	14	16	13	D3	4	BF	BR	- 72	3.05%	-6.18%	-5.47%
	WisdomTree International Hedged Qu: IHDG	40.44	2,560	22	20	18	14	14	6	4	6	6	9	9	16	18	14	23	22	26	20	D2	2	BF	BF	- 2	1.99%	-10.09%	-8.49%
	Franklin International Low Volatility Higl: LVHI	29.97	2,185	13	9	2	2	2	2	7	9	12	14	14	18	15	12	15	15	19	14	D1	1	BF	BR	- 123	0.03%	-7.16%	-1.48%
	Pacer Global Cash Cows Dividend ETf: GCOW	34.73	2,070	8	8	1	1	1	1	9	10	16	21	24	25	24	23	23	25	28	22	U3	5	BR	BR	- 7	1.14%	-6.56%	3.45%
	Xtrackers MSCI EAFE High Dividend Y: HDEF	26.38	1,806	2	6	1	1	3	3	9	10	15	17	23	25	24	27	28	27	29	24	U3	4	BR	AR	- 7	3.74%	-3.17%	10.04%

		Relative Strength Ranking - RSR																				% Price Δ							
Group or Corp	Ticker	Price	MKT Cap(MM)																			TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month	
				04/11	04/04	03/28	03/21	03/14	03/07	02/28	02/21	02/14	02/07	01/31	01/24	01/17	01/10	01/03	12/31	12/27	12/20								
EF-39 Dividend (Intl)																													
iShares International Dividend Growth I IGRO		70.66	1,003	5	9	4	4	6	6	17	19	22	22	24	25	28	28	28	26	27	22	U3	3	BR	AR	- 5	3.47%	-2.61%	5.70%
WisdomTree International SmallCap Di DLS		64.51	877	5	10	3	5	4	5	17	12	18	22	24	25	27	28	23	24	27	22	D1	1	BR	BR	- 6	5.56%	-3.94%	5.84%
Invesco International Dividend Achieve PID		18.49	786	10	9	10	8	7	9	17	19	22	22	24	25	27	24	23	27	27	20	D2	2	BF	BR	- 6	2.04%	-2.55%	1.81%
WisdomTree International Quality Divid IQDG		34.51	720	14	17	15	8	7	5	13	11	15	22	24	25	29	29	29	28	29	26	D2	2	BF	BF	- 5	5.37%	-6.75%	0.42%
Global X Superdividend ETF SDIV		19.10	717	18	16	8	9	7	9	17	19	22	22	24	25	24	27	23	27	29	22	D3	2	BF	BF	- 4	0.32%	-8.93%	-3.58%
FlexShares International Quality Dividend IQDF		23.90	619	8	10	3	3	4	4	11	10	16	21	23	23	24	25	26	25	28	22	D1	1	BF	BF	- 7	4.09%	-5.62%	4.28%
First Trust Dow Jones Global Select Div FGD		23.33	575	4	7	2	4	4	5	11	12	19	22	24	25	24	26	23	25	27	18	U3	3	BR	AR	- 7	2.82%	-3.53%	6.75%
Fidelity Dividend ETF for Rising Rates FDRR		47.00	501	21	21	21	19	9	10	10	10	13	15	19	15	15	13	14	13	15	12	D3	3	BF	BF	- 71	4.07%	-6.77%	-6.90%
Cambria Foreign Shareholder Yield ET FYLD		25.11	311	13	15	4	4	5	5	17	19	22	22	24	25	24	25	23	27	29	25	D1	1	BF	BF	- 2	3.21%	-6.86%	0.35%
ALPS International Sector Dividend Do IDOG		30.40	287	3	7	1	1	3	2	9	10	12	21	23	24	24	26	28	27	29	24	U3	4	BR	AR	- 7	3.79%	-5.68%	7.16%
SPDR S&P Global Dividend ETF WDIV		63.40	187	6	8	4	7	6	6	17	19	22	29	24	25	24	27	23	22	22	17	U3	1	BR	AR	- 5	2.14%	-2.73%	5.40%
Global X SuperDividend REIT ETF SRET		19.17	170	17	8	6	6	5	6	9	19	22	22	24	25	24	29	23	27	27	21	D2	1	BF	BR	- 6	-3.57%	-9.72%	0.49%
Fidelity International High Dividend ETF FIDI		20.89	107	2	7	1	1	3	3	9	11	17	21	24	25	24	27	28	28	29	24	U3	4	BR	AR	- 6	4.43%	-3.76%	8.76%
First Trust S&P International Dividend FID		16.96	86	3	6	3	5	5	5	17	19	22	29	24	25	24	27	23	22	22	18	U3	2	AR	AR	- 5	2.42%	-2.05%	7.29%
First Trust Dorsey Wright Momentum & DDIV		34.67	68	23	21	19	11	21	13	8	11	12	12	11	10	9	11	11	11	12	8	D3	2	BF	BR	- 71	3.31%	-5.90%	-7.19%
ProShares MSCI EAFE Dividend Grow EFAD		38.68	64	4	9	9	7	6	6	17	19	22	29	24	25	30	29	29	28	29	25	D1	1	BR	BR	+ 1	4.94%	-2.11%	6.41%
FlexShares International Quality Dividend IQDY		27.87	61	10	13	4	4	5	4	13	10	16	21	20	20	23	23	23	22	26	20	D1	1	BF	BF	- 8	4.07%	-5.94%	2.46%
Franklin U.S. Core Dividend Tilt Index F UDIV		41.25	47	21	23	22	21	21	13	10	10	12	13	12	13	12	11	12	11	12	9	D3	2	BF	BF	- 114	4.91%	-6.02%	-7.76%
WisdomTree International AI Enhancer AIVI		42.71	47	2	6	1	3	3	3	9	12	17	22	24	25	28	29	28	27	29	22	U3	3	BR	AR	- 6	4.16%	-3.37%	10.81%
Global X Renewable Energy Producers RNRG		8.42	23	16	17	25	26	25	28	30	30	30	30	30	30	30	30	30	30	30	30	D3	2	BF	BF	+ 22	3.44%	-2.60%	-1.41%
Global X MSCI SuperDividend EAFE E EFAS		15.23	10	1	3	2	2	2	2	8	11	18	21	24	25	24	28	27	27	29	22	U3	4	AR	AR	- 7	2.91%	-3.86%	12.08%
EF-40 Thematic/Multi-Factor (Intl)				8	13	6	4	5	3	6	8	14	16	19	21	24	23	24	24	24	24	D2	1	BF	BF	- 2	4.94%	-4.24%	3.22%
iShares MSCI EAFE Value ETF EFV		56.60	19,425	2	7	1	1	1	1	3	5	8	12	19	21	25	25	25	25	25	27	U3	6	BR	AR	- 2	4.52%	-5.19%	9.10%
iShares MSCI EAFE Growth ETF EFG		97.48	11,698	13	17	14	7	7	3	9	9	15	23	22	21	27	27	29	28	27	28	D2	2	BF	BF	+ 21	6.03%	-5.99%	0.80%
iShares MSCI EAFE Small-Cap ETF SCZ		62.33	8,913	6	14	4	4	2	3	18	13	17	22	24	24	27	29	26	26	25	27	D1	1	BF	BF	- 2	6.44%	-4.56%	5.06%
iShares MSCI Intl Quality Factor ETF IQLT		38.93	8,740	5	10	4	4	2	2	5	6	14	21	23	23	27	27	29	28	28	28	D1	1	BR	BF	- 2	5.42%	-4.11%	5.02%
iShares MSCI EAFE Min Vol Factor ET EFAV		77.68	4,669	1	3	1	1	1	1	4	9	19	22	24	27	27	26	26	25	25	26	U3	5	AR	AR	- 70	3.16%	-0.56%	11.27%
Schwab International Small-Cap Equity SCHC		35.41	3,870	5	15	7	4	5	4	17	11	15	21	25	24	27	28	25	27	26	27	D1	2	BR	BF	- 3	6.82%	-3.36%	4.98%
iShares MSCI Global Min Vol Factor ET ACWV		113.57	3,294	4	7	4	6	7	4	5	11	18	16	19	23	24	23	22	20	19	20	U3	5	BR	AR	- 71	2.82%	-0.91%	5.90%
Schwab Fundamental International Sm FNDC		35.72	3,108	4	9	3	3	2	2	10	11	16	21	24	24	27	28	25	25	25	26	D1	1	BR	AR	- 2	5.59%	-3.59%	6.98%
iShares Exponential Technologies ETF XT		54.10	2,829	25	25	23	19	16	16	15	6	8	9	9	11	13	15	13	14	16	12	D3	2	BF	BF	- 70	4.30%	-9.55%	-8.69%
iShares MSCI Intl Momentum Factor E IMTM		38.98	2,409	5	11	4	4	2	2	4	6	8	12	17	18	25	22	25	25	24	25	D1	2	BF	AF	- 72	5.98%	-3.73%	4.14%
iShares MSCI Intl Value Factor ETF IVLU		28.78	1,891	3	8	1	1	1	1	2	5	8	11	19	21	25	24	25	24	24	26	U3	6	BR	AR	- 2	4.62%	-6.89%	7.71%
SPDR MSCI EAFE StrategicFactors E QEFA		77.12	829	3	8	3	2	1	1	4	8	15	21	23	24	27	27	28	27	27	28	D1	1	BR	AR	- 2	4.47%	-4.27%	6.86%
Invesco S&P International Developed I IDMO		43.23	514	3	9	2	4	4	3	7	9	11	13	14	15	22	19	23	22	22	14	D1	1	BR	AR	- 122	7.06%	-2.74%	7.47%
First Trust Developed Markets ex-US A FDT		57.02	413	3	10	3	4	3	3	9	9	12	15	20	20	24	22	23	22	26	19	D1	1	BR	AR	- 9	6.76%	-4.38%	6.75%
Invesco S&P International Developed I IDHQ		29.36	368	8	14	7	5	5	4	10	10	15	22	24	25	29	28	29	28	29	25	D1	2	BF	BF	- 6	5.31%	-4.86%	4.03%
SPDR MSCI EAFE Fossil Fuel Free ETEFAX		41.81	322	4	10	3	2	1	1	4	6	8	16	19	19	26	25	28	27	25	27	D1	1	BF	AF	- 2	5.71%	-5.11%	5.69%
J.P. Morgan Diversified Return Internat JPIN		56.10	314	4	9	4	5	5	5	13	13	20	22	24	25	28	29	28	27	29	24	U3	3	BR	AR	- 5	4.49%	-3.07%	6.69%
PIMCO RAFI Dynamic Multi-Factor Inte MFDX		31.13	305	4	9	5	4	4	4	9	10	13	18	22	23	24	27	27	26	28	21	D1	1	BR	AR	- 7	5.07%	-3.76%	7.37%
iShares MSCI Intl Small-Cap Multifactor ISCF		33.02	304	5	14	4	4	3	3	17	10	15	18	22	22	25	24	23	23	23	24	D1	1	BR	AR	- 69	6.52%	-3.84%	4.67%
Invesco S&P International Developed I IDLV		30.04	258	2	3	2	5	4	4	10	12	19	22	24	25	27	27	27	25	27	21	U3	3	AR	AR	- 7	2.37%	0.07%	10.07%
VictoryShares International Value Mom UIVM		49.82	232	2	4	3	3	3	2	8	10	15	18	23	23	24	24	26	25	27	21	U3	5	BR	AR	- 7	4.74%	-3.27%	9.51%
Fidelity International Value Factor ETF FIVA		25.57	199	4	9	1	1	3	2	7	9	12	15	22	24	24	28	28	27	29	22	D1	1	BR	AR	- 7	5.01%	-5.74%	7.27%
ProShares DJ Brookfield Global Infrast TOLZ		51.29	160	3	6	2	5	6	9	11	19	22	22	24	22	16	19	17	17	20	14	U3	3	AR	AR	- 69	2.03%	-0.31%	6.85%

		Relative Strength Ranking - RSR																				% Price Δ								
Group or Corp	Ticker	Price	MKT Cap(MM)	04/	04/	03/	03/	03/	03/	02/	02/	02/	02/	01/	01/	01/	01/	12/	12/	12/	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month			
				11	04	28	21	14	07	28	21	14	07	31	24	17	10	03	31	27								20		
EF-40	Thematic/Multi-Factor (Intl)																													
	SPDR MSCI World StrategicFactors E`	QWLD	122.85	150	13	15	14	14	14	5	5	8	15	15	15	19	21	21	21	20	19	21	D2	2	BF	BF	- 122	3.93%	-3.82%	0.11%
	Alpha Architect International Quantitati	IVAL	24.66	127	5	10	3	2	2	4	11	12	17	19	24	24	24	25	23	22	27	22	D1	1	BR	AF	- 6	5.20%	-4.23%	5.48%
	iShares MSCI Global Multifactor ETF	ACWF	41.44	114	16	19	19	18	17	17	14	8	10	11	11	12	15	14	13	14	13	14	D3	1	BF	BF	- 74	5.75%	-4.48%	-3.89%
	Alpha Architect International Quantitati	IMOM	27.67	86	4	16	3	1	1	1	4	3	4	6	8	12	22	18	19	21	20	22	D1	2	BF	AR	- 2	9.67%	-5.21%	4.47%
	ProShares Online Retail ETF	ONLN	39.76	62	27	26	23	25	23	13	11	7	5	7	6	8	10	9	11	11	10	6	D2	4	BF	BF	- 69	3.62%	-9.38%	-11.66%
	FCF International Quality ETF	TTAI	27.25	54	18	19	21	11	9	10	17	12	13	21	21	23	24	24	28	27	27	22	D3	3	BF	BF	- 7	3.77%	-6.20%	-4.37%
	Knowledge Leaders Developed World	KLDW	42.66	49	14	17	15	11	10	7	20	17	17	22	22	23	26	28	27	27	25	27	D2	2	BF	BF	- 70	4.67%	-6.21%	-0.24%
	First Trust Horizon Managed Volatility C	HDMV	32.39	32	1	1	1	4	4	3	9	12	19	22	24	25	28	28	28	26	27	22	U3	3	AR	AR	- 6	3.63%	1.61%	14.15%
	Affinity World Leaders Equity ETF	WLDR	27.35	30	21	25	21	19	19	13	17	10	11	13	12	13	13	12	14	13	12	11	D3	2	BF	BF	- 72	5.60%	-6.81%	-7.11%
	Hartford Multifactor Small Cap ETF	ROSC	37.56	29	27	25	26	28	28	29	29	28	22	22	19	18	17	19	16	15	16	8	D3	5	BF	BF	+ 5	0.94%	-6.15%	-10.86%
	Alpha Architect Value Momentum Tren	VMOT	23.32	18	20	25	24	24	25	25	28	28	20	17	19	17	16	11	12	15	17	13	D3	7	BF	BF	- 69	6.08%	-4.17%	-8.76%
SECTORS (Intl)																														
EF-41	Consumer Disc. (Intl)				17	19	18	15	12	2	2	1	1	2	2	5	5	6	3	3	2	2	D2	2	BF	BR	- 6	4.14%	-7.25%	-2.32%
	iShares Global Consumer Discretionary	RXI	170.07	230	18	19	19	20	16	7	4	3	3	5	1	2	2	2	1	1	1	2	D2	4	BF	BR	- 70	3.81%	-5.48%	-6.04%
	Amplify Online Retail ETF	IBUY	57.21	132	26	27	26	26	27	22	4	2	1	1	1	2	1	2	1	1	1	1	D3	2	BF	BR	- 7	5.51%	-5.46%	-10.54%
	KraneShares Emerging Markets Const	KEMQ	17.73	20	8	9	3	1	1	1	1	1	1	5	11	18	18	25	21	20	17	11	D1	1	BR	AR	- 56	3.11%	-10.80%	9.84%
EF-42	Communications (Intl)				16	17	15	6	3	1	1	1	1	1	4	7	5	4	5	4	3	D2	2	BF	BF	- 5	3.22%	-8.76%	-2.60%	
	iShares Global Comm Services ETF	IXP	94.08	334	14	17	16	11	7	2	2	2	2	1	1	3	5	2	3	3	2	3	D2	2	BF	BR	- 115	5.09%	-5.34%	-2.27%
	Global X Social Media ETF	SOCL	40.78	107	18	17	15	4	1	1	1	1	1	1	1	5	8	8	5	9	8	5	D2	2	BF	BF	- 4	1.34%	-12.09%	-3.09%
EF-43	Consumer Staples (Intl)				6	10	11	10	10	4	13	14	20	23	16	20	22	26	27	25	25	25	D2	1	BF	BR	- 2	4.48%	-1.60%	4.82%
	iShares Global Consumer Staples ETF	KXI	64.29	807	2	5	6	12	11	3	4	13	22	26	28	29	29	29	28	27	25	24	U3	3	AR	AR	- 66	3.05%	2.49%	9.60%
	iShares MSCI Agriculture Producers E`	VEGI	36.27	85	10	13	14	14	14	5	13	10	17	20	6	10	11	23	23	24	23	23	D2	2	BF	BR	- 29	4.74%	-1.90%	3.30%
	First Trust Indxx Global Agriculture ETF	FTAG	23.40	6	13	16	14	6	7	4	23	23	22	23	13	18	21	27	28	27	28	28	D2	2	BF	BF	- 2	5.65%	-5.41%	1.33%
EF-44	Energy (Intl)				23	18	6	6	15	23	26	25	28	29	30	27	21	27	29	30	30	30	D3	2	BF	BF	- 2	0.23%	-10.46%	-8.11%
	iShares Global Energy ETF	IXC	35.99	1,560	23	17	3	4	14	20	17	16	23	27	28	22	12	19	25	28	29	30	D3	1	BF	BF	- 2	-1.04%	-10.36%	-8.52%
	iShares MSCI Global Energy Producer	FILL	21.35	72	24	18	4	6	16	24	24	22	27	29	29	26	18	22	28	29	30	30	D3	2	BF	BF	- 1	-0.70%	-10.22%	-9.19%
	VanEck Oil Refiners ETF	CRAK	26.04	22	23	21	16	15	16	23	30	30	30	30	30	30	29	30	30	30	30	30	D3	2	BF	BF	+ 40	2.43%	-10.87%	-6.77%
EF-45	Financials (Intl)				18	19	14	13	15	8	3	5	4	4	3	4	5	11	6	6	7	8	D2	3	BF	BR	- 6	4.43%	-6.61%	-3.25%
	iShares Global Financials ETF	IXG	96.82	441	11	15	3	4	4	2	1	3	3	3	3	5	5	10	8	6	7	7	D2	1	BF	AR	- 73	5.23%	-4.73%	2.51%
	Davis Select Financial ETF	DFNL	36.13	241	18	18	12	11	14	7	2	4	4	2	2	3	3	8	5	3	4	11	D2	2	BF	BR	- 72	3.46%	-6.68%	-2.99%
	Invesco Global Listed Private Equity E1	PSP	59.55	223	26	26	22	11	22	13	17	10	11	12	10	10	12	14	13	13	15	9	D3	2	BF	BF	- 72	4.60%	-8.42%	-9.04%
EF-46	Healthcare (Intl)				19	21	22	18	19	17	17	8	8	14	16	19	29	25	26	28	28	29	D2	4	BF	BF	- 5	4.07%	-6.85%	-6.23%
	iShares Global Healthcare ETF	IXJ	85.66	3,705	16	15	14	12	14	6	10	24	29	28	28	29	30	29	30	30	29	30	D2	2	BF	BF	+ 21	1.24%	-6.08%	-1.69%
	ARK Genomic Revolution ETF	ARKG	21.03	976	28	30	30	27	29	30	28	2	1	3	4	3	28	18	10	28	25	28	D3	1	BF	BF	- 6	10.68%	-7.56%	-15.00%
	Global X Aging Population ETF	AGNG	29.14	54	18	16	16	15	15	8	7	12	24	22	24	23	28	28	28	27	29	25	D2	2	BF	BF	- 4	0.28%	-7.43%	-3.19%
EF-47	Materials (Intl)				2	14	4	4	5	14	27	21	18	15	26	23	25	24	29	29	28	27	U3	2	AR	AR	+ 1	10.35%	0.22%	9.26%
	VanEck Gold Miners ETF	GDX	49.70	15,872	1	1	1	1	1	1	4	2	3	2	9	21	26	24	30	30	30	30	U3	5	AR	AR	+ 1	19.24%	13.89%	38.17%
	VanEck Junior Gold Miners ETF	GDXJ	61.22	5,619	1	1	1	1	1	1	4	2	3	1	8	14	20	18	28	29	29	28	U3	5	AR	AR	- 55	19.15%	11.33%	35.08%
	FlexShares Morningstar Global Upstre	GUNR	36.53	4,568	14	17	11	11	9	13	28	19	22	29	24	25	24	29	29	30	30	26	D3	2	BF	BF	+ 20	4.49%	-4.87%	-0.03%
	Global X Uranium ETF	URA	22.65	2,577	30	30	30	30	30	30	30	30	27	9	19	2	18	22	6	22	22	15	D3	8	BF	BF	- 24	8.79%	-5.23%	-16.64%



			Relative Strength Ranking - RSR																				% Price Δ							
Group or Corp	Ticker	Price	MKT Cap(MM)	04/	04/	03/	03/	03/	03/	02/	02/	02/	02/	01/	01/	01/	01/	01/	12/	12/	12/	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month		
				11	04	28	21	14	07	28	21	14	07	31	24	17	10	03	31	27	20									
EF-47	Materials (Intl)																													
	Global X Copper Miners ETF	COPX	35.52	2,296	27	29	20	14	15	25	30	30	26	27	30	30	30	29	30	30	30	29	D3	2	BF	BF	+ 19	8.72%	-14.04%	-9.32%
	Global X Silver Miners ETF	SIL	40.22	1,462	1	8	1	1	1	3	21	11	8	6	19	25	27	24	28	28	28	12	U3	3	AR	AR	- 53	15.81%	1.51%	22.58%
	iShares MSCI Global Gold Miners ETF	RING	41.79	1,419	1	1	1	1	1	1	4	2	3	2	9	19	25	24	30	30	30	30	U3	5	AR	AR	+ 1	20.16%	15.47%	39.67%
	ETFMG Prime Junior Silver Miners ETF	SILJ	12.35	1,104	1	16	1	1	1	17	30	29	25	19	29	30	30	30	30	30	30	28	U3	1	AR	AR	+ 10	18.07%	0.57%	18.07%
	iShares MSCI Global Metals & Mining F	PICK	33.46	681	23	26	19	17	15	18	30	28	29	30	30	30	30	30	30	30	30	30	D3	2	BF	BF	- 2	7.17%	-11.25%	-4.21%
	Direxion Daily Gold Miners Index Bull 2	NUGT	70.91	578	1	1	1	1	1	2	8	4	6	6	14	25	30	30	30	30	30	30	U3	3	AR	AR	- 7	40.19%	26.50%	80.94%
	Direxion Daily Junior Gold Miners Index	JNUG	68.09	313	1	1	1	1	1	2	13	5	6	5	13	25	29	29	30	30	30	27	U3	3	AR	AR	- 8	39.84%	19.88%	70.07%
	iShares MSCI Global Silver Miners ETF	SLVP	15.33	268	1	7	1	1	1	2	17	6	6	3	13	23	27	25	29	30	30	30	U3	4	AR	AR	+ 1	18.20%	2.13%	25.55%
	VanEck Rare Earth/Strategic Metals E	REMX	36.50	244	27	28	22	16	14	18	30	28	29	27	29	23	12	23	28	29	29	29	D3	2	BF	BF	- 2	5.31%	-14.72%	-9.41%
	iShares Global Materials ETF	MXI	78.95	221	14	18	17	16	14	12	26	26	25	29	29	27	29	30	30	30	30	30	D3	2	BF	BF	- 2	6.43%	-5.88%	2.02%
	Sprott Junior Gold Miners ETF	SGDJ	45.35	154	1	2	1	1	1	1	4	2	3	1	4	5	10	4	10	24	24	19	U3	12	AR	AR	- 69	19.34%	9.36%	28.83%
	U.S. Global GO GOLD and Precious M	GOAU	26.80	117	1	1	1	1	1	1	5	5	4	2	8	19	25	23	28	29	29	29	U3	5	AR	AR	+ 4	17.39%	15.05%	35.98%
	First Trust Indxx Global Natural Resour	FTRI	12.66	87	6	13	4	6	7	13	28	19	22	29	24	25	24	26	29	30	30	25	U2	3	BR	BF	+ 17	5.68%	-1.85%	3.00%
	Direxion Daily Gold Miners Index Bear	DUST	29.06	71	30	27	30	30	30	30	30	30	30	30	30	30	19	7	5	3	4	13	D3	4	BF	BF	+ 55	-32.15%	-27.45%	-51.93%
	VanEck Steel ETF	SLX	56.80	68	22	24	18	16	13	18	26	26	26	30	30	30	30	30	30	30	30	30	D3	2	BF	BF	- 2	4.71%	-11.09%	-1.37%
	Amplify Lithium & Battery Technology E	BATT	7.68	51	27	28	23	20	17	22	29	17	15	16	21	11	8	13	8	13	16	12	D3	6	BF	BF	- 24	4.56%	-12.67%	-12.17%
Global X Gold Explorers ETF	GOEX	40.38	51	1	1	1	1	1	1	12	4	6	2	7	12	18	14	23	28	27	14	U3	5	AR	AR	- 54	18.06%	11.38%	30.17%	
Direxion Daily Junior Gold Miners Inde	JDST	13.21	49	30	27	30	30	30	30	30	30	30	30	30	30	30	19	15	7	10	29	D3	11	BF	BF	+ 71	-32.74%	-24.81%	-51.04%	
Invesco MSCI Global Timber ETF	CUT	29.12	45	24	20	25	26	22	18	28	27	26	27	24	20	24	28	28	27	26	28	D3	5	BF	BF	- 73	1.52%	-7.63%	-6.85%	
EF-48	Manufacturing (Intl)				22	25	20	16	16	14	20	9	11	19	15	9	10	12	11	15	12	16	D3	2	BF	BF	- 7	5.65%	-8.77%	-7.70%
	iShares Global Industrials ETF	EXI	140.83	922	14	18	15	12	11	5	14	17	16	19	15	11	17	22	22	22	19	20	D2	2	BF	BR	- 71	7.14%	-4.97%	0.52%
	First Trust NASDAQ Global Auto Index	CARZ	49.43	27	27	28	26	21	19	18	24	6	8	19	15	7	4	5	5	9	8	13	D3	2	BF	BF	- 24	4.17%	-12.47%	-15.40%
EF-49	Real Estate (Intl)				19	18	21	24	24	25	29	30	30	30	30	30	30	30	30	29	29	30	D3	4	BF	BF	- 2	0.74%	-5.39%	-2.75%
	Vanguard Global ex-U.S. Real Estate E	VNQI	40.67	3,096	4	9	14	16	15	18	27	27	27	29	29	30	29	29	28	27	27	28	D2	1	AR	BF	- 70	4.26%	-0.20%	6.22%
	SPDR Dow Jones Global Real Estate E	RWO	41.17	1,031	17	15	17	11	9	13	17	19	22	29	24	25	29	28	27	28	20	D3	2	BF	BR	+ 13	0.83%	-4.52%	0.09%	
	FlexShares Global Quality Real Estate	GQRE	54.80	392	16	15	16	19	9	13	17	19	22	22	24	25	28	29	23	24	25	16	D3	2	BF	BR	+ 11	1.15%	-4.39%	0.18%
	SPDR Dow Jones International Real E	RWX	24.74	254	2	7	7	8	9	13	28	28	30	30	30	30	30	30	30	30	30	30	U3	1	AR	AR	+ 19	3.86%	2.04%	11.28%
	ETFMG Alternative Harvest ETF	AI MJ	17.39	98	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	D3	33	BF	BF	+ 37	-0.91%	-14.33%	-32.60%
	First Trust Alerian Disruptive Technolog	DTRE	36.87	14	17	11	16	16	16	17	22	28	29	30	30	30	30	30	30	29	29	30	D3	2	BF	BF	- 37	-1.21%	-6.89%	1.05%
	WisdomTree New Economy Real Estat	WTRE	16.30	14	19	17	20	21	21	24	28	30	30	30	30	30	30	30	29	29	29	29	D3	3	BF	BF	- 70	-0.11%	-6.65%	-2.10%
	ALPS REIT Dividend Dogs ETF	RDOG	33.44	11	27	17	20	22	9	13	17	30	30	30	30	30	29	30	28	28	27	15	D3	2	BF	BF	+ 12	-3.70%	-10.51%	-6.58%
	FlexShares Real Assets Allocation Inde	ASET	30.07	8	11	10	12	9	9	9	17	19	22	22	24	25	27	29	27	27	28	22	D3	2	BF	BR	+ 14	2.48%	-2.54%	3.54%
	EF-50	Technology (Intl)				27	28	27	25	25	24	19	4	3	3	3	2	2	2	2	1	1	1	D3	3	BF	BF	- 8	6.59%	-8.62%
iShares Global Tech ETF		IXN	73.06	4,216	26	29	28	27	27	27	25	8	8	16	20	8	10	5	5	7	5	7	D3	4	BF	BF	- 115	8.66%	-6.83%	-12.89%
First Trust Cloud Computing ETF		SKYY	96.31	2,856	29	29	30	28	28	28	11	3	1	1	1	1	1	1	1	1	1	1	D3	2	BF	BR	- 16	6.16%	-10.22%	-18.72%
Global X Robotics & Artificial Intelligenc		BOTZ	26.87	2,201	29	29	29	27	26	26	24	6	10	8	11	3	10	12	6	13	11	11	D3	5	BF	BF	- 7	5.87%	-12.36%	-15.48%
ETFMG Prime Cyber Security ETF		HACK	71.11	1,895	15	23	19	14	14	7	4	2	1	1	1	1	1	1	1	5	7	5	D2	3	BF	BR	- 108	9.94%	-3.75%	-4.11%
ARK Next Generation Internet ETF		ARKW	92.23	1,360	27	29	28	25	27	23	4	1	1	1	1	1	1	1	1	1	1	1	D3	1	BF	BR	- 15	8.02%	-4.21%	-15.73%
Global X Lithium & Battery Tech ETF		LIT	35.49	823	28	28	26	24	20	23	28	10	17	23	27	20	11	22	20	13	13	9	D3	5	BF	BF	- 24	1.63%	-13.10%	-10.76%
iShares Robotics and Artificial Intelliger		IRBO	30.47	741	29	30	30	29	27	29	27	3	2	1	1	1	1	1	1	1	1	1	D3	2	BF	BF	- 29	9.37%	-10.30%	-19.41%
Amplify Transformational Data Sharing		BLOK	36.25	638	29	29	30	28	28	25	23	2	1	1	1	1	1	1	1	3	2	2	D3	2	BF	BR	- 72	6.03%	-7.27%	-18.06%
First Trust Nasdaq Artificial Intelligence		ROBT	38.47	394	28	29	28	27	25	25	28	8	3	5	4	2	7	8	5	7	6	6	D3	3	BF	BF	- 27	5.66%	-9.86%	-13.30%
ETFMG Prime Mobile Payments ETF		IPAY	50.56	255	26	27	26	24	27	24	5	7	3	1	1	1	1	1	1	4	5	3	D3	2	BF	BR	- 34	6.17%	-4.86%	-10.69%

				Relative Strength Ranking - RSR																			% Price Δ						
		MKT	04/11	04/04	03/28	03/21	03/14	03/07	02/28	02/21	02/14	02/07	01/31	01/24	01/17	01/10	01/03	12/31	12/27	12/20	TRIPLE	50	200						
Group or Corp	Ticker	Price	Cap(MM)																		CYCLE	DAY	DAY	MACD	1 week	1 month	3 month		
EF-50	Technology (Intl)																												
	Global X FinTech ETF	FINX	26.65	253	27	29	29	28	28	27	20	9	3	1	1	1	1	1	4	4	3	D3	3	BF	BR	- 69	7.33%	-5.60%	-13.36%
	Global X Internet of Things ETF	SNSR	30.18	191	27	29	26	21	21	16	6	3	8	9	9	7	11	13	15	14	17	D3	2	BF	BF	- 19	6.64%	-11.55%	-13.13%
	ALPS O'Shares Global Internet Giants	OGIG	41.96	124	24	26	25	19	20	17	3	1	1	1	1	1	1	1	1	1	1	D2	4	BF	BR	- 7	6.74%	-6.55%	-8.30%
	First Trust Indxx Innovative Transaction	LEGR	45.88	87	14	15	7	5	5	5	7	8	9	12	11	13	13	13	14	13	14	D1	1	BF	BR	- 71	3.52%	-6.97%	0.35%
	ALPS Disruptive Technologies ETF	DTEC	41.45	78	21	24	22	19	19	17	9	6	4	3	2	3	5	5	5	4	3	D3	1	BF	BF	- 70	5.25%	-6.74%	-7.60%
	Innovator Loup Frontier Tech ETF	LOUP	44.28	71	29	30	30	29	29	30	20	5	1	1	1	1	1	1	1	1	1	D3	2	BF	BF	- 8	12.17%	-9.84%	-20.25%
	3D Printing ETF	PRNT	18.05	69	28	28	27	22	20	18	22	6	3	2	4	4	11	9	5	7	5	D3	2	BF	BF	- 23	4.69%	-12.33%	-12.97%
	KraneShares Electric Vehicles & Futurr	KARS	19.94	59	19	20	18	14	5	5	10	4	8	10	21	16	7	13	10	11	6	D3	2	BF	BF	- 26	3.36%	-11.30%	-3.56%
	Wedbush ETFMG Video Game Tech E	GAMR	63.89	35	14	19	14	6	6	3	2	1	1	2	5	13	11	9	5	11	12	D2	2	BF	BR	- 48	7.26%	-6.55%	-0.86%
	Wedbush ETFMG Global Cloud Techn	IVES	40.25	20	29	30	30	27	27	29	24	3	4	6	6	2	5	3	5	11	12	D3	3	BF	BF	- 113	7.36%	-12.40%	-18.47%
EF-51	Transportation (Intl)				30	30	30	29	29	25	5	4	2	1	1	1	1	1	1	1	1	D3	2	BF	BF	- 15	5.70%	-11.82%	-27.19%
	U.S. Global Jets ETF	JETS	19.09	685	30	30	30	30	30	25	5	5	2	1	1	1	1	1	1	1	1	D3	2	BF	BF	- 15	5.70%	-11.82%	-27.19%
EF-52	Utilities (Intl)				6	9	11	14	13	15	20	23	24	27	25	23	22	25	25	25	24	D2	2	BF	BR	- 2	3.57%	-1.52%	3.85%
	iShares Global Infrastructure ETF	IGF	53.81	6,011	4	8	7	8	11	17	17	18	17	19	21	13	11	14	11	14	14	D1	2	AR	AR	- 69	3.52%	-0.11%	3.32%
	FlexShares STOXX Global Broad Infra	NFRA	56.93	2,300	4	7	7	8	7	8	17	19	22	22	24	25	24	28	23	25	27	U3	2	AR	AR	- 5	3.12%	-0.38%	6.95%
	Invesco S&P Global Water Index ETF	CGW	54.75	865	10	10	15	18	15	13	26	28	29	30	29	30	29	30	29	28	28	D3	2	BF	BF	- 70	2.78%	-2.67%	4.97%
	SPDR S&P Global Infrastructure ETF	GII	61.10	492	4	8	7	8	10	17	19	19	18	19	21	14	11	14	11	14	16	D1	2	AR	AR	- 69	3.60%	-0.17%	3.39%
	Invesco Global Water ETF	PIO	38.90	239	14	17	17	11	9	9	17	19	22	22	23	25	24	29	29	27	29	D3	2	BF	BF	+ 17	4.82%	-4.27%	0.44%
	GEOGRAPHY (Intl)																												
EF-53	Emerging Markets				14	12	13	10	7	12	24	13	20	26	27	25	26	26	24	24	23	D2	2	BF	BF	- 2	1.93%	-5.70%	0.54%
	iShares Core MSCI Emerging Markets	IEMG	51.66	79,598	14	15	13	7	7	8	22	6	17	25	27	24	26	26	23	25	23	D2	2	BF	BF	- 70	2.79%	-6.12%	0.92%
	Vanguard FTSE Emerging Markets ET	VWO	43.10	78,094	14	15	14	8	7	7	17	10	17	22	24	24	24	24	22	17	19	D2	2	BF	BF	- 69	2.30%	-6.37%	0.78%
	iShares MSCI Emerging Markets ETF	EEM	41.75	15,725	13	14	11	6	6	6	20	6	15	22	26	23	26	26	23	25	23	D2	1	BF	BF	- 69	2.88%	-6.35%	1.61%
	Schwab Emerging Markets Equity ETF	SCHE	26.36	8,978	13	14	12	6	7	7	22	6	15	21	25	23	25	24	22	22	19	D2	1	BF	BF	- 69	2.65%	-6.13%	1.58%
	Schwab Fundamental Emerging Marke	FNDE	28.89	6,125	14	10	5	4	2	2	9	4	11	21	23	23	25	26	23	22	20	D1	1	BF	BF	- 71	1.23%	-8.20%	2.56%
	iShares MSCI Emerging Markets Min	EEMV	57.25	4,065	11	10	15	16	16	18	28	22	25	25	26	24	25	22	22	20	19	D3	2	BF	BF	- 68	2.45%	-2.15%	0.12%
	WisdomTree Emerging Markets High C	DEM	40.26	2,681	11	9	8	7	6	9	17	17	22	22	24	25	27	28	28	26	27	D2	1	BF	BF	- 4	1.56%	-5.08%	2.28%
	WisdomTree Emerging Markets ex-Sta	XSOE	29.51	1,588	16	17	17	15	14	17	28	15	24	27	28	26	26	26	23	22	22	D3	2	BF	BF	- 68	2.89%	-6.26%	-1.63%
	Invesco FTSE RAFI Emerging Markets	PXH	20.44	1,184	13	10	4	5	4	4	10	7	11	16	19	22	24	24	21	17	20	D1	1	BF	BR	- 70	1.29%	-8.22%	3.68%
	Columbia EM Core ex-China ETF	XCEM	28.77	1,056	16	17	19	17	18	20	30	26	28	29	29	26	27	27	28	28	28	D3	5	BF	BF	- 2	4.13%	-3.78%	-2.61%
	Goldman Sachs ActiveBeta Emerging	I GEM	31.77	855	13	12	10	6	6	8	22	6	16	23	26	23	25	24	23	24	22	D2	1	BF	BF	- 70	2.45%	-5.98%	1.44%
	iShares MSCI Emerging Markets Multif	EMGF	44.69	760	14	13	13	7	7	10	24	9	19	25	27	24	26	25	24	25	23	D2	1	BF	BF	- 72	2.17%	-5.99%	0.52%
	iShares Emerging Markets Dividend	E1DVYE	25.78	701	10	9	3	3	4	5	17	10	15	19	19	19	21	19	20	17	19	D1	1	BF	BR	- 116	1.42%	-6.10%	2.91%
	SPDR S&P Emerging Markets Dividen	EDIV	34.86	633	10	9	12	7	7	9	17	16	22	22	24	24	24	24	23	20	22	D2	1	BF	BF	- 6	1.99%	-3.45%	2.63%
	SPDR S&P Emerging Markets Small C	EWX	53.57	605	19	17	20	17	16	17	28	19	26	27	29	25	26	26	21	16	15	D3	2	BF	BF	- 120	0.11%	-8.60%	-4.34%
	Cambria Emerging Shareholder Yield	E EYLD	30.01	471	17	16	15	12	11	17	28	23	27	29	29	27	29	29	29	28	28	D3	2	BF	BF	- 1	1.08%	-8.23%	-2.28%
	iShares MSCI Emerging Markets Asia	I EEMA	70.58	381	14	15	14	6	7	6	23	6	17	26	28	25	26	27	23	24	22	D2	2	BF	BF	- 68	2.92%	-6.55%	0.89%
	VanEck Emerging Markets High Yield	E HYEM	18.97	374	10	7	7	8	7	7	10	11	17	14	16	19	16	12	15	15	15	D2	1	BF	BR	- 73	0.16%	-3.15%	-1.17%
	First Trust Emerging Markets AlphaDE	FEM	21.58	366	14	11	7	7	5	6	17	19	20	22	24	25	24	29	23	22	25	D2	1	BF	BF	- 2	0.94%	-7.97%	1.39%
	Invesco S&P Emerging Markets Low	V EELV	23.74	354	8	9	12	8	8	10	17	19	22	22	24	25	28	27	28	25	26	D2	1	BR	BR	- 4	2.86%	-1.54%	3.56%
	EMQQ The Emerging Markets Internet	EMQQ	35.28	330	16	15	4	2	1	1	4	1	3	9	16	24	25	29	21	22	19	D1	1	BF	BR	- 68	1.19%	-10.43%	6.36%
	iShares MSCI Emerging Markets Small	EEMS	54.27	315	17	17	21	20	21	24	30	28	30	30	30	30	29	29	25	25	26	D3	18	BF	BF	- 3	2.38%	-4.51%	-3.57%
	J.P. Morgan Diversified Return Emergi	JPEM	51.19	307	11	10	14	9	7	10	28	19	22	22	24	25	24	25	23	22	22	D3	2	BF	BF	+ 16	2.02%	-3.82%	1.04%
	Nuveen ESG Emerging Markets Equity	NUEM	28.02	286	16	15	17	14	11	10	26	8	15	21	26	23	23	23	21	20	18	D3	2	BF	BF	- 66	2.04%	-6.72%	-1.27%

		Relative Strength Ranking - RSR																				% Price Δ									
Group or Corp	Ticker	Price	MKT Cap(MM)	04/	04/	03/	03/	03/	03/	02/	02/	02/	02/	01/	01/	01/	01/	01/	12/	12/	12/	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month			
				11	04	28	21	14	07	28	21	14	07	31	24	17	10	03	31	27	20										
EF-53	Emerging Markets																														
	FlexShares Morningstar Emerging Markets	TLTE	49.90	235	15	12	13	6	7	9	25	10	20	27	28	26	27	28	25	25	25	24	D2	1	BF	BF	- 72	0.93%	-7.05%	-0.05%	
	First Trust Emerging Markets Small Cap	FEMS	34.74	226	19	18	17	11	7	13	29	19	22	29	29	25	29	29	26	24	25	19	D3	2	BF	BF	+ 22	0.75%	-9.96%	-4.17%	
	VictoryShares Emerging Markets Value	UEVM	45.11	183	15	9	8	8	7	10	28	19	22	22	24	25	24	24	21	16	18	16	D3	1	BF	BF	- 1	2.09%	-5.78%	-0.87%	
	iShares Currency Hedged MSCI Emerging	HEEM	26.51	151	14	12	8	6	5	4	17	5	11	14	18	20	21	20	15	20	18	20	D2	1	BF	BF	- 69	1.61%	-7.31%	-0.56%	
	WisdomTree Emerging Markets Quality	DGRE	23.90	127	16	18	21	11	24	28	30	30	30	30	30	30	29	29	28	28	29	22	D3	17	BF	BF	+ 18	4.82%	-1.86%	-2.95%	
	PIMCO RAFI Dynamic Multi-Factor Emerging	MFEM	18.20	93	16	16	10	11	9	13	29	19	22	29	29	25	28	28	23	22	22	19	D3	2	BF	BF	+ 14	2.24%	-5.54%	-1.06%	
	Invesco DWA Emerging Markets Momentum	PIE	17.07	83	26	23	25	23	9	13	30	29	30	30	30	30	30	29	28	27	22	D3	2	BF	BF	+ 31	1.64%	-10.43%	-8.02%		
	WisdomTree Emerging Markets Multifactor	EMMF	25.60	82	15	15	17	11	9	13	30	28	22	29	24	25	27	24	23	25	25	22	D3	2	BF	BF	+ 16	2.55%	-3.48%	-2.94%	
	Columbia Emerging Markets Consumer	ECON	20.71	80	13	12	7	5	6	5	22	6	15	25	24	23	26	25	24	24	23	23	D2	1	BF	BF	- 3	2.48%	-6.49%	1.72%	
	iShares MSCI BIC ETF	BKF	37.35	78	9	7	2	1	1	1	5	2	6	17	22	26	26	28	22	22	19	18	U3	4	BR	BR	- 57	0.62%	-8.05%	6.78%	
	WisdomTree Emerging Markets Corporate	EMCB	63.84	70	8	6	13	8	7	10	10	16	22	21	24	23	20	15	20	16	18	16	D1	1	BF	BR	- 73	-1.21%	-2.40%	0.12%	
	WisdomTree Emerging Markets Local	IELD	26.33	70	3	4	9	7	6	8	17	19	22	22	24	23	28	25	28	25	22	22	U3	3	AR	AR	- 4	0.80%	-1.11%	5.69%	
	Xtrackers MSCI Emerging Markets Hedged	DBEM	24.27	67	14	13	10	6	6	6	17	6	14	16	21	22	22	22	19	20	18	19	D2	1	BF	BF	- 70	1.53%	-6.99%	-0.56%	
	SPDR MSCI Emerging Markets Strategy	QEMM	55.78	36	14	15	16	15	15	18	28	20	26	28	28	24	26	24	23	24	23	23	D3	2	BF	BF	- 71	2.84%	-4.45%	-0.93%	
	Global X MSCI SuperDividend Emerging	SDEM	24.95	35	3	6	4	5	3	5	10	8	11	16	15	18	21	22	22	22	22	18	U3	7	BR	AR	- 9	1.95%	-4.51%	6.87%	
	First Trust Riverfront Dynamic Emerging	RFEM	62.08	28	14	12	10	6	6	5	20	8	18	22	24	23	25	23	19	23	20	22	D2	1	BF	BF	- 75	2.11%	-6.55%	0.10%	
	Hartford Multifactor Emerging Markets	IROAM	22.47	27	14	13	12	6	7	10	24	13	24	27	28	26	26	26	25	26	25	26	D2	1	BF	BF	- 2	2.16%	-5.99%	-0.06%	
	ALPS Emerging Sector Dividend Dogs	EDOG	20.37	25	11	15	14	15	9	10	28	16	20	22	22	28	24	24	23	23	22	22	16	D2	1	BF	BR	- 8	3.93%	-3.02%	0.48%
	First Trust Emerging Markets Equity Select	RNEM	49.89	17	8	8	7	8	11	17	28	22	26	29	28	28	29	29	28	27	26	26	U3	1	BR	BF	- 1	1.53%	-2.65%	3.44%	
	Franklin Emerging Market Core Dividend	DIEM	25.95	13	14	15	14	8	7	8	17	11	19	22	24	23	24	23	22	18	20	16	D2	2	BF	BF	- 71	2.44%	-5.79%	0.03%	
	Invesco S&P Emerging Markets Momentum	EEMO	14.32	11	25	25	26	25	27	29	30	30	30	30	30	30	29	28	23	25	26	20	D3	17	BF	BF	+ 15	3.41%	-5.51%	-9.56%	
	KraneShares MSCI All China Index ETI	KALL	20.96	9	9	7	1	1	1	1	1	1	3	6	11	17	18	24	13	5	4	5	D1	1	BR	AR	- 29	-0.34%	-11.51%	9.34%	
	iShares Emerging Markets Infrastructure	EMIF	20.86	8	8	9	14	8	12	19	28	25	25	25	28	26	25	28	27	24	25	24	D1	1	BF	BF	- 1	1.70%	-2.49%	2.95%	
	ProShares MSCI Emerging Markets Dividend	EMDV	42.47	7	11	10	17	11	9	13	29	19	22	29	24	25	28	28	23	22	22	16	D3	1	BF	BF	+ 13	2.04%	-2.84%	2.05%	
EF-54	Frontier Markets				30	30	30	30	30	30	30	30	26	22	22	23	20	13	20	17	19	18	D2	5	BF	BF	- 8	0.00%	0.00%	-100.00%	
EF-55	Europe/UK				2	7	1	1	1	1	2	3	6	14	18	20	25	26	28	27	27	28	D1	1	BR	AR	- 2	5.01%	-5.63%	8.64%	
	Vanguard FTSE Europe ETF	VGK	68.29	21,030	3	9	1	1	3	2	7	9	12	17	19	22	24	28	29	28	29	24	D1	1	BR	AR	- 7	5.03%	-5.37%	8.15%	
	iShares MSCI Eurozone ETF	EZU	52.16	8,580	1	6	1	1	1	1	2	2	4	10	11	14	20	23	28	27	26	27	D1	1	BR	AR	+ 21	5.27%	-5.40%	9.88%	
	iShares Core MSCI Europe ETF	IEUR	58.56	5,241	3	8	1	1	1	1	3	5	8	16	19	21	27	28	29	28	29	29	D1	1	BR	AR	+ 21	5.12%	-5.21%	8.54%	
	SPDR EURO STOXX 50 ETF	FEZ	52.75	4,191	2	7	1	3	2	2	6	7	8	13	13	14	19	19	29	26	28	22	D1	1	BR	AR	- 9	4.93%	-6.36%	8.62%	
	iShares MSCI United Kingdom ETF	EWU	35.57	2,995	5	8	1	1	1	1	3	6	11	14	19	23	26	28	28	27	27	27	D1	1	BF	AR	- 2	2.74%	-5.67%	6.21%	
	iShares MSCI Europe Financials ETF	EUFN	27.39	2,886	1	2	1	1	1	1	1	1	2	2	4	4	10	12	20	16	17	20	U3	13	BR	AR	- 2	6.95%	-4.96%	17.10%	
	iShares Europe ETF	IEV	56.36	1,922	3	8	1	1	1	1	2	3	7	16	19	21	26	27	29	28	29	28	D1	1	BR	AF	+ 21	4.78%	-5.75%	7.80%	
	iShares MSCI Germany ETF	EWG	36.37	1,811	1	3	1	1	1	1	1	2	2	5	4	5	11	14	23	20	18	18	U3	11	BR	AR	- 2	5.97%	-5.83%	13.55%	
	WisdomTree Europe Hedged Equity Fund	HEDJ	44.22	1,579	13	10	2	1	1	1	1	2	2	2	3	7	7	7	21	18	22	16	D1	2	BF	BF	- 2	1.52%	-10.07%	-0.61%	
	iShares MSCI Switzerland ETF	EWL	51.05	1,136	2	7	1	1	1	1	2	4	8	19	20	25	29	29	30	29	29	30	U3	5	BR	AR	- 1	5.56%	-2.93%	10.00%	
	SPDR Portfolio Europe ETF	SPEU	42.78	1,035	3	9	1	3	3	2	7	9	12	18	21	22	24	28	29	28	29	25	D1	1	BR	AR	- 7	4.67%	-5.49%	7.96%	
	iShares MSCI Spain ETF	EWP	37.77	952	1	1	1	1	1	1	1	2	4	8	17	22	25	24	27	27	27	27	U3	6	AR	AR	+ 6	5.68%	-0.13%	21.45%	
	Franklin FTSE United Kingdom ETF	FLGB	27.28	693	6	8	1	2	1	1	2	6	10	13	16	21	24	24	25	25	25	25	D1	1	BF	AR	- 2	2.83%	-5.41%	5.41%	
	iShares Currency Hedged MSCI Eurozone	HEZU	36.33	639	11	9	1	1	1	1	1	2	2	3	4	6	5	5	16	14	17	19	D1	2	BF	BF	- 4	1.40%	-9.29%	-0.49%	
	Xtrackers MSCI Europe Hedged Equity	DBEU	41.00	599	14	11	3	2	1	1	1	2	4	5	5	11	12	11	20	21	22	24	D1	2	BF	BF	- 2	1.28%	-9.67%	-1.94%	
	iShares MSCI France ETF	EWQ	38.97	413	3	7	1	1	1	1	3	3	4	12	13	12	24	27	30	28	29	29	D1	1	BR	AF	+ 24	4.73%	-5.62%	8.55%	
	iShares MSCI Sweden ETF	EWD	40.31	339	6	12	1	1	1	1	1	2	3	6	13	17	25	29	29	29	29	30	D1	1	BF	BF	- 2	5.61%	-9.52%	7.32%	
	iShares MSCI Italy ETF	EWI	40.53	325	1	5	1	1	1	1	1	2	3	6	8	11	14	17	27	25	25	26	U3	9	BR	AR	- 2	5.30%	-5.81%	11.04%	

			Relative Strength Ranking - RSR																		% Price Δ								
			MKT	04/11	04/04	03/28	03/21	03/14	03/07	02/28	02/21	02/14	02/07	01/31	01/24	01/17	01/10	01/03	12/31	12/27	12/20	TRIPLE	50	200					
Group or Corp		Ticker	Price	Cap(MM)																		CYCLE	DAY	DAY	MACD	1 week	1 month	3 month	
EF-55	Europe/UK																												
	iShares MSCI Poland ETF	EPOL	27.25	297	1	1	1	1	1	1	1	1	2	4	6	22	26	29	29	29	29	U3	9	AR	AR	+ 25	8.39%	-4.39%	28.05%
	iShares MSCI Netherlands ETF	EWN	45.81	231	8	15	7	4	2	2	15	8	9	28	28	27	26	29	29	29	29	D2	1	BF	BF	+ 24	6.19%	-5.90%	2.58%
	First Trust Stoxx European Select Divic	FDD	13.24	224	1	1	1	2	2	2	4	7	10	14	14	19	24	27	26	26	29	U3	6	AR	AR	- 8	7.21%	-2.87%	20.10%
	First Trust Europe AlphaDEX Fund	FEP	39.58	218	1	7	1	2	2	2	6	8	10	15	19	20	24	26	28	27	28	U3	6	BR	AR	- 8	6.37%	-5.91%	11.82%
	iShares MSCI Denmark ETF	EDEN	100.36	206	21	26	25	21	19	17	28	30	30	30	30	30	30	30	30	30	30	D3	2	BF	BF	+ 24	6.11%	-8.58%	-4.61%
	Global X DAX Germany ETF	DAX	38.07	185	1	3	1	1	1	1	1	2	2	3	2	3	10	12	21	16	17	U3	13	BR	AR	- 69	5.57%	-6.55%	13.40%
	Global X MSCI Greece ETF	GREK	45.92	175	1	1	1	1	1	1	2	2	3	9	8	7	15	11	21	22	21	U3	9	AR	AR	+ 21	5.35%	-4.23%	15.70%
	WisdomTree Europe SmallCap Divider	DFE	59.60	143	3	9	1	4	4	4	17	11	17	22	24	25	30	29	29	28	29	U3	3	BR	AF	- 5	5.85%	-3.53%	9.09%
	Goldman Sachs ActiveBeta Europe Eq	GSEU	37.49	88	3	8	1	1	1	1	3	6	8	17	19	22	27	28	29	28	29	D1	1	BR	AR	+ 19	4.94%	-4.88%	8.35%
	Franklin FTSE Europe ETF	FLEE	30.00	84	3	8	1	1	1	1	2	5	7	15	19	21	26	27	29	28	28	D1	1	BR	AR	- 1	4.89%	-5.37%	8.24%
	WisdomTree Europe Hedged SmallCap	EUSC	39.69	77	5	8	1	2	2	2	4	7	8	11	12	14	13	12	16	17	21	D1	1	BF	AR	- 72	3.41%	-8.22%	3.96%
	Xtrackers MSCI Eurozone Hedged Equ	DBEZ	46.49	65	11	9	1	1	1	1	1	2	2	3	4	7	7	6	17	15	18	D1	2	BF	BF	- 3	1.97%	-9.50%	0.08%
	WisdomTree Europe Quality Dividend	EUDG	31.91	64	4	9	4	4	4	3	9	10	15	22	24	25	29	29	30	28	29	D1	1	BR	BF	- 5	4.51%	-4.65%	6.93%
	First Trust Switzerland AlphaDEX Fund	FSZ	67.11	60	4	11	3	5	5	4	13	12	19	22	24	25	29	29	29	28	29	D1	1	BR	AR	- 6	6.78%	-2.38%	6.69%
	iShares MSCI Ireland ETF	EIRL	57.37	57	15	15	16	12	11	4	25	28	30	30	30	30	30	30	30	30	30	D2	1	BF	BF	+ 24	2.25%	-7.04%	-0.10%
	First Trust United Kingdom AlphaDEX	FKU	39.62	53	4	9	4	6	6	5	9	12	15	18	21	25	28	29	23	25	25	D1	1	BR	AR	- 7	5.40%	-1.75%	8.40%
	Global X MSCI Norway ETF	NORW	25.08	47	4	9	1	1	1	2	14	10	18	22	19	20	24	22	25	28	29	U3	5	BR	AF	+ 18	4.38%	-5.70%	4.60%
	First Trust Eurozone AlphaDEX ETF	FEUZ	45.11	43	1	6	1	2	2	2	6	8	10	15	19	18	24	25	28	27	29	U3	6	BR	AR	- 8	5.50%	-6.61%	12.44%
	ALPS O'Shares Europe Quality Divider	OEUR	29.90	36	3	7	3	2	4	3	9	10	15	22	24	24	28	29	29	28	29	D1	1	BR	AR	- 6	4.76%	-3.06%	8.95%
	iShares MSCI United Kingdom Small C	EWUS	34.09	34	13	17	15	16	15	12	28	28	26	29	28	30	30	30	29	28	29	D3	2	BF	BF	- 2	5.94%	-4.31%	4.14%
	Pacer Trendpilot European Index ETF	PTEU	26.68	31	1	7	1	1	1	1	3	5	6	18	19	19	25	28	29	28	29	U3	6	BR	AR	+ 21	5.75%	-4.73%	10.87%
	iShares MSCI Norway ETF	ENOR	24.15	30	3	9	1	1	1	2	11	11	19	21	19	21	24	22	25	27	29	U3	5	BR	AR	+ 19	5.47%	-4.70%	5.85%
	iShares MSCI Finland ETF	EFNL	35.74	27	2	7	1	1	1	1	4	5	12	27	26	25	29	29	29	29	30	U3	5	BR	AR	+ 21	4.98%	-7.07%	10.68%
	First Trust Germany AlphaDEX Fund	FGM	46.00	14	1	1	1	1	1	1	1	2	1	5	2	2	11	14	20	15	16	U3	12	AR	AR	- 2	7.93%	-6.75%	20.36%
	iShares MSCI Belgium ETF	EWK	19.58	11	3	7	3	2	1	2	17	23	26	30	29	30	30	29	29	28	29	U3	3	AR	AR	+ 9	4.20%	-2.72%	9.14%
	ProShares MSCI Europe Dividend Gro	EUDV	48.95	7	5	9	7	7	6	5	17	19	21	29	24	25	29	29	29	28	29	D1	1	BR	BR	- 4	3.60%	-2.78%	6.53%
ProShares Ultra FTSE Europe	UPV	61.30	6	5	16	1	2	2	2	5	7	8	19	22	24	30	30	30	30	30	D1	1	BR	BF	- 6	9.19%	-12.13%	13.04%	
First Trust Riverfront Dynamic Europe	IRFEU	62.18	6	4	9	2	2	1	1	5	12	17	22	27	27	28	29	29	28	29	D1	1	BR	BF	+ 22	4.39%	-4.65%	5.50%	
EF-56	Canada				12	14	16	15	18	18	16	13	15	12	17	15	18	14	13	12	15	D3	5	BF	BR	- 7	3.67%	-0.67%	-0.45%
	iShares MSCI Canada ETF	EWC	39.87	2,611	12	14	16	16	19	18	17	14	15	13	19	15	18	14	13	13	15	D3	5	BF	BR	- 70	3.80%	-0.60%	-0.37%
	Franklin FTSE Canada ETF	FLCA	36.30	390	12	14	16	15	18	18	13	12	12	10	13	14	17	12	11	11	14	D2	4	BF	BR	- 70	3.54%	-0.74%	-0.52%
EF-57	Latin America				4	6	3	2	4	12	26	11	14	24	26	29	30	30	30	30	29	U3	3	BR	BF	+ 12	1.63%	-3.06%	7.22%
	iShares MSCI Brazil ETF	EWZ	24.69	3,143	8	7	3	2	6	19	30	24	15	29	28	30	30	30	30	30	30	U3	3	BF	BF	+ 52	0.78%	-4.45%	8.81%
	iShares MSCI Mexico ETF	EWV	50.68	1,612	4	6	4	5	2	5	17	6	8	20	29	26	30	30	30	30	29	D1	1	BR	BF	+ 44	1.52%	-3.21%	7.51%
	iShares Latin America 40 ETF	ILF	22.51	1,266	8	7	3	2	3	17	28	14	11	21	27	30	30	30	30	30	30	U3	3	BF	BF	+ 45	0.31%	-5.38%	6.48%
	Global X MSCI Argentina ETF	ARGT	79.31	910	11	17	3	1	1	2	2	1	1	1	1	1	1	1	1	2	2	D2	2	BF	AR	- 71	7.66%	-5.59%	-10.40%
	iShares MSCI Chile ETF	ECH	28.39	534	1	1	1	1	1	1	1	2	2	1	5	11	20	22	29	25	25	U3	9	BR	AR	+ 24	0.71%	-5.56%	13.24%
	Columbia India Consumer ETF	INCO	60.26	310	14	16	26	27	30	30	30	30	30	30	30	30	30	30	28	29	29	U1	1	AF	BF	+ 20	3.58%	5.58%	-4.61%
	Franklin FTSE Brazil ETF	FLBR	15.65	167	4	5	1	1	3	17	29	12	15	29	28	30	30	30	30	30	30	U3	3	BF	BF	+ 51	-0.01%	-3.71%	10.12%
	iShares MSCI Peru ETF	EPU	42.09	130	4	9	1	1	2	13	22	22	15	11	27	25	21	18	23	24	22	U3	3	BR	AR	- 70	5.08%	-2.96%	5.05%
	iShares MSCI Brazil Small-Cap ETF	EWZS	10.68	118	3	6	3	4	11	23	30	24	19	30	30	30	30	30	30	30	30	U3	2	AR	BF	+ 51	2.59%	-0.28%	14.10%
	Global X MSCI Colombia ETF	GXG	25.62	84	1	1	1	1	1	1	1	1	1	1	1	4	10	3	10	21	22	D1	1	BF	AR	+ 31	-2.84%	-7.11%	8.61%
	Franklin FTSE Mexico ETF	FLMX	24.95	45	4	6	7	6	5	8	22	12	15	28	30	29	30	30	30	30	28	U3	2	BR	BF	+ 43	1.18%	-2.88%	8.01%
	VanEck Brazil Small-Cap ETF	BRF	12.25	16	5	6	3	4	8	19	30	22	19	30	30	30	30	30	30	30	30	U3	2	BF	BF	+ 52	0.04%	-2.68%	10.61%

Group or Corp		Ticker	Price	MKT Cap(MM)	Relative Strength Ranking - RSR																				% Price Δ					
					04/11	04/04	03/28	03/21	03/14	03/07	02/28	02/21	02/14	02/07	01/31	01/24	01/17	01/10	01/03	12/31	12/27	12/20	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month	
EF-57	Latin America																													
	First Trust Latin America AlphaDEX Fu	FLN	16.76	10	4	5	2	4	4	7	24	16	15	22	24	30	30	30	30	30	29	U3	3	BR	BF	+ 44	0.87%	-4.56%	11.18%	
	First Trust Brazil AlphaDEX Fund	FBZ	9.94	5	4	6	4	5	7	13	30	28	22	30	30	30	30	30	30	30	30	U3	1	AR	BF	+ 23	1.38%	-0.64%	11.38%	
EF-58	Japan				11	15	5	3	4	4	14	14	17	17	17	18	21	17	12	11	13	20	D2	1	BF	BF	- 2	5.07%	-5.59%	-0.03%
	iShares MSCI Japan ETF	EWJ	65.82	13,566	13	18	8	4	5	5	17	15	19	21	22	21	27	25	22	23	20	25	D2	1	BF	BF	- 3	7.01%	-6.44%	0.89%
	JPMorgan BetaBuilders Japan ETF	BBJP	53.93	11,277	13	18	7	4	5	5	17	16	20	22	22	22	27	25	22	23	20	25	D2	1	BF	BF	- 2	6.96%	-6.24%	1.09%
	WisdomTree Japan Hedged Equity Fur	DXJ	99.87	3,076	18	20	5	2	5	5	7	17	12	14	7	7	12	5	4	3	4	15	D2	2	BF	BF	- 26	3.94%	-10.20%	-6.99%
	Franklin FTSE Japan ETF	FLJP	28.35	1,990	11	17	7	3	4	4	17	16	20	22	22	22	27	25	22	23	20	25	D2	1	BF	BF	- 2	7.06%	-5.94%	1.91%
	Xtrackers MSCI Japan Hedged Equity I	DBJP	68.06	354	19	22	13	5	7	11	17	20	14	16	8	7	15	7	5	4	5	12	D3	1	BF	BF	- 3	4.75%	-9.97%	-7.75%
	iShares Currency Hedged MSCI Japan HEWJ		38.30	339	20	21	12	4	7	10	15	19	14	16	8	7	15	6	5	4	6	12	D3	1	BF	BF	- 27	4.13%	-10.01%	-8.15%
	Japan Smaller Capitalization Fund Inc I	JOJ	8.11	230	1	5	1	1	1	1	4	5	10	8	18	15	21	14	6	8	14	16	U3	13	AR	AR	- 1	4.65%	-3.34%	7.99%
	First Trust Japan AlphaDEX Fund	FJP	52.77	150	4	16	3	1	1	1	4	5	12	12	18	21	25	22	17	14	16	22	D1	1	BR	AR	- 2	8.98%	-6.20%	5.39%
	iShares JPX-Nikkei 400 ETF	JPXN	70.84	85	10	16	7	4	5	5	18	20	24	25	24	24	28	28	25	25	24	26	D2	1	BF	BF	- 2	7.14%	-5.28%	2.85%
	WisdomTree Japan Hedged SmallCap	DXJS	32.80	72	13	16	3	2	4	4	15	18	11	10	8	11	16	5	5	3	6	14	D2	1	BF	BF	- 29	4.83%	-6.04%	-2.41%
	Goldman Sachs ActiveBeta Japan Equ	GSJY	36.80	37	13	18	7	3	4	4	16	15	19	21	22	23	27	25	21	20	19	24	D2	1	BF	BF	- 121	7.40%	-6.95%	1.09%
	ProShares UltraShort MSCI Japan	EWV	42.22	6	2	1	17	28	24	27	17	19	22	22	22	25	10	5	12	14	9	22	U2	2	AR	AR	+ 6	-14.57%	10.43%	-4.63%
	ProShares Ultra MSCI Japan	EZJ	34.06	5	22	29	14	4	5	5	17	19	22	22	24	25	30	30	29	27	30	22	D2	2	BF	BF	- 2	13.63%	-14.12%	-1.74%
EF-59	Middle East/Africa				12	15	12	13	6	7	7	5	5	5	7	9	8	7	6	8	10	9	D2	2	BF	BR	- 7	4.84%	-4.66%	-1.06%
	iShares MSCI Saudi Arabia ETF	KSA	39.58	675	14	11	14	19	16	20	22	11	15	13	11	17	14	14	15	22	20	16	D2	5	BF	BF	- 5	1.54%	-2.22%	-3.09%
	iShares MSCI South Africa ETF	EZA	45.62	338	4	17	2	3	3	4	25	6	16	18	29	29	29	30	28	29	28	24	U3	2	BR	AR	- 51	10.49%	-2.94%	10.92%
	iShares MSCI Israel ETF	EIS	73.83	236	11	13	14	4	1	2	1	1	1	1	1	1	1	1	1	1	1	1	D2	2	BF	AR	- 69	4.28%	-5.50%	-3.44%
	iShares MSCI Turkey ETF	TUR	32.08	152	21	18	26	30	1	2	29	30	29	26	23	21	20	18	16	25	20	27	D3	3	BF	BF	+ 31	1.29%	-16.33%	-11.06%
	iShares MSCI UAE ETF	UAE	16.51	105	4	9	3	3	1	2	1	2	2	1	1	1	1	1	1	1	1	1	D1	4	BF	AR	- 36	5.83%	-2.71%	-0.66%
	ARK Israel Innovative Technology ETF	IZRL	21.12	92	16	16	16	8	4	4	2	1	1	1	1	1	1	1	1	1	1	7	D2	2	BF	BR	- 23	3.33%	-6.58%	-6.28%
	VanEck Israel ETF	ISRA	41.43	89	14	15	15	6	3	2	2	2	1	1	1	1	1	1	1	1	1	5	D2	2	BF	AR	- 66	4.14%	-5.49%	-4.14%
	BlueStar Israel Technology ETF BlueSi	ITEQ	47.60	81	18	21	21	16	18	17	5	3	1	1	1	1	1	2	1	8	8	6	D2	4	BF	BR	- 39	6.13%	-4.71%	-6.81%
	iShares MSCI Qatar ETF	QAT	17.61	77	10	14	16	14	11	15	17	21	24	21	19	19	19	14	12	10	16	13	D3	2	BF	BR	- 39	4.63%	-2.81%	0.11%
	VanEck Africa Index ETF	AFK	16.87	41	3	14	1	2	2	5	17	6	8	7	17	22	21	21	22	28	26	24	U3	5	AR	AR	- 2	9.19%	-1.40%	6.37%
	Commonwealth Africa Fund	CAFRX	7.82	4	16	20	12	12	16	18	29	22	26	25	29	29	28	29	25	26	24	18	D3	2	BF	BF	- 54	6.39%	-4.98%	0.26%
	T. Rowe Price Africa & Middle East Fur	TRAMX	10.39	0	9	7	3	6	7	5	11	6	15	10	18	21	18	17	19	22	20	14	D1	1	BF	BR	- 68	0.78%	-2.90%	1.46%
	EF-60	Asia/Pacific				15	16	18	19	20	23	30	28	29	30	29	29	28	28	26	27	26	27	D3	2	BF	BF	- 2	3.93%	-3.01%
iShares MSCI India ETF		INDA	50.76	8,533	11	13	19	20	27	30	30	30	30	30	30	30	30	30	28	28	28	27	U1	2	AF	BF	+ 4	3.19%	3.78%	-0.88%
Vanguard FTSE Pacific ETF		VPL	70.12	6,711	13	18	14	6	7	8	17	19	22	22	24	24	27	28	23	25	28	22	D2	2	BF	BF	- 2	6.40%	-5.34%	0.92%
iShares MSCI Taiwan ETF		EWI	45.62	3,942	26	26	27	24	22	21	28	17	23	26	28	18	21	20	19	20	17	19	D3	6	BF	BF	- 73	4.11%	-9.25%	-10.79%
WisdomTree India Earnings Fund		EPI	42.73	2,965	14	16	20	23	29	30	30	30	30	30	30	30	30	30	29	28	29	28	U1	1	AF	BF	+ 20	3.04%	3.14%	-2.64%
iShares MSCI South Korea ETF		EWY	54.31	2,849	10	16	17	11	15	18	29	17	27	30	30	30	30	30	30	30	30	30	D2	1	BR	BF	+ 30	5.97%	-3.26%	1.48%
iShares Core MSCI Pacific ETF		IPAC	59.97	1,907	13	18	12	6	7	8	21	17	19	22	23	23	26	24	22	23	21	25	D2	2	BF	BF	- 71	6.59%	-5.43%	0.57%
Franklin FTSE India ETF		FLIN	36.17	1,767	13	14	19	21	27	30	30	30	30	30	30	30	30	30	28	28	29	27	U1	2	AF	BF	+ 4	2.87%	3.37%	-1.66%
iShares MSCI Pacific ex-Japan ETF		EPP	42.18	1,734	17	19	18	21	19	17	24	21	16	24	25	23	25	24	23	24	22	24	D3	4	BF	BF	- 69	4.95%	-4.85%	-2.45%
iShares MSCI Australia ETF		EWA	22.77	1,394	18	25	24	26	25	27	29	28	20	26	28	24	28	28	27	28	27	28	D3	5	BF	BF	- 70	7.66%	-3.11%	-4.37%
iShares MSCI India Small Cap ETF		SMIN	67.38	782	18	19	26	26	30	30	30	30	30	30	30	30	30	29	22	23	24	21	U1	1	AF	BF	- 100	4.24%	4.71%	-7.20%
DBX ETF Trust - Xtrackers Internationa		HAUZ	20.40	748	5	9	16	16	16	18	28	28	29	29	30	30	30	30	29	29	29	29	D3	1	AR	BF	+ 9	4.16%	-0.37%	6.45%
iShares MSCI Singapore ETF		EWS	22.08	720	9	8	1	1	1	1	2	2	3	5	5	7	8	3	5	3	4	4	D1	1	BF	AR	- 65	1.10%	-5.15%	1.85%
iShares India 50 ETF		INDY	49.98	635	10	10	16	19	27	29	30	30	30	30	30	30	30	29	28	28	29	27	U1	3	AF	BF	+ 4	2.90%	3.54%	0.30%



			Relative Strength Ranking - RSR																				% Price Δ						
Group or Corp	Ticker	Price	MKT Cap(MM)	04/	04/	03/	03/	03/	03/	02/	02/	02/	02/	01/	01/	01/	01/	01/	12/	12/	12/	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month	
				11	04	28	21	14	07	28	21	14	07	31	24	17	10	03	31	27	20								
EF-60 Asia/Pacific																													
iShares Asia 50 ETF	AIA	67.31	629	16	15	7	2	1	1	3	1	4	9	16	14	17	21	14	18	14	15	D2	1	BF	BF	- 59	2.09%	-10.93%	1.11%
iShares MSCI Hong Kong ETF	EWK	15.97	539	17	9	7	4	1	1	4	13	23	30	28	27	25	26	19	12	12	14	D2	1	BF	BR	- 30	-2.50%	-12.01%	0.88%
VanEck Vietnam ETF	VNM	11.87	393	5	7	3	2	1	2	11	26	30	30	29	29	30	30	29	28	29	27	U3	3	BR	BF	+ 11	1.98%	-6.24%	6.65%
SPDR S&P Emerging Asia Pacific ETF	GMF	109.43	334	17	16	17	14	14	15	26	9	18	23	26	22	24	22	16	14	12	16	D3	2	BF	BF	- 70	1.81%	-7.42%	-2.25%
iShares MSCI Indonesia ETF	EIDO	15.87	268	28	29	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	D3	16	BF	BF	+ 18	5.17%	-4.22%	-13.04%
First Trust India NIFTY 50 Equal Weigh	NFTY	54.74	224	12	13	18	21	27	30	30	30	30	30	30	30	30	30	29	29	29	29	U1	3	AF	BF	+ 5	2.96%	3.45%	-0.08%
Invesco India ETF	PIN	24.42	214	14	15	19	21	27	30	30	30	30	30	30	30	30	29	26	28	28	26	U1	2	AF	BF	+ 4	2.61%	2.51%	-2.55%
iShares MSCI Malaysia ETF	EWM	22.46	207	17	17	23	24	24	27	28	27	27	29	30	27	29	23	21	14	19	24	D3	6	BF	BF	- 72	2.51%	-3.23%	-5.03%
VanEck India Growth Leaders ETF	GLIN	41.53	128	24	22	28	30	30	30	30	30	30	30	30	30	30	29	23	25	25	22	D3	16	BF	BF	- 99	2.04%	4.10%	-12.20%
Franklin FTSE South Korea ETF	FLKR	18.44	114	11	16	18	12	15	18	28	15	27	30	30	29	30	30	30	30	30	30	D2	2	BF	BF	+ 29	5.41%	-3.66%	0.54%
iShares MSCI Philippines ETF	EPHE	24.96	94	10	15	19	14	15	21	30	30	30	30	30	30	30	29	27	28	29	29	U1	5	AR	BF	+ 1	4.74%	-3.20%	0.73%
iShares MSCI Austria ETF	EWO	24.43	71	1	3	1	1	1	1	1	2	2	9	10	11	20	22	25	24	25	26	U3	9	BR	AR	+ 22	7.76%	-7.32%	17.45%
iShares MSCI New Zealand ETF	ENZL	42.39	70	16	20	26	29	27	29	30	30	29	30	30	27	28	29	28	27	24	27	D3	8	BF	BF	- 44	5.63%	-0.14%	-3.70%
Global X FTSE Southeast Asia ETF	ASEA	14.90	57	18	18	20	25	24	24	30	29	29	29	28	24	25	22	22	20	22	15	D3	13	BF	BR	- 66	1.71%	-4.30%	-5.86%
Franklin FTSE Australia ETF	FLAU	26.94	57	18	25	23	26	25	26	29	28	20	25	28	24	27	27	27	28	28	28	D3	5	BF	BF	- 70	7.93%	-3.07%	-4.25%
iShares Asia/Pacific Dividend ETF	DVYA	33.62	37	18	18	17	19	9	10	29	19	22	22	24	24	24	22	22	20	22	16	D3	2	BF	BF	+ 10	2.83%	-6.93%	-4.09%
VanEck Indonesia Index ETF	IDX	12.19	27	28	29	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	30	D3	17	BF	BF	- 7	4.91%	-5.58%	-17.75%
Franklin FTSE Asia Ex Japan ETF	FLAX	22.33	27	14	14	13	6	7	8	22	6	18	27	24	26	26	22	23	21	21	D2	1	BF	BF	- 68	2.01%	-6.72%	0.97%	
First Trust Asia Pacific ex-Japan Alpha	FPA	28.30	14	9	16	17	11	7	9	26	13	15	22	24	21	24	22	23	27	27	20	D2	1	BF	BR	- 8	7.02%	-3.40%	2.22%
EF-61 China																													
iShares China Large-Cap ETF	FXI	32.94	6,320	11	8	1	1	1	1	1	1	1	4	9	12	16	24	14	4	3	3	D1	1	BR	AR	- 2	-0.22%	-13.22%	9.53%
KraneShares CSI China Internet ETF	KWEB	30.53	6,093	13	7	1	1	1	1	1	1	1	1	2	5	6	14	3	1	1	2	D1	1	BR	AR	- 50	0.61%	-12.53%	14.97%
iShares MSCI China ETF	MCHI	49.68	5,564	5	4	1	1	1	1	1	1	1	1	3	5	12	16	23	10	4	4	D1	1	BR	AR	- 50	-0.64%	-13.40%	13.66%
Xtrackers Harvest CSI 300 China A-Sh	ASHR	25.71	1,728	14	12	17	16	2	9	17	6	11	15	21	17	18	22	21	4	3	3	D3	2	BF	BR	- 29	1.98%	-7.88%	2.96%
Invesco China Technology ETF	CQQQ	41.11	985	11	9	2	1	1	1	1	1	1	1	1	3	4	8	18	10	1	1	D1	1	BR	AR	- 29	1.81%	-16.43%	11.89%
SPDR S&P China ETF	GXC	79.06	419	6	6	1	1	1	1	1	1	1	3	8	12	15	22	10	3	3	10	D1	1	BR	AR	- 29	-0.52%	-13.01%	11.41%
WisdomTree China ex-State-Owned En	CXSE	30.84	386	11	7	1	1	1	1	1	1	1	2	5	11	17	19	27	16	7	6	D1	1	BR	AR	- 29	-1.25%	-13.49%	10.46%
Direxion Daily CSI China Internet Index	CWEB	32.30	251	27	16	1	1	1	1	1	1	1	1	1	8	24	30	28	23	12	12	D1	1	BF	BF	- 28	-6.16%	-33.08%	16.52%
Global X MSCI China Consumer Discre	CHIQ	20.19	224	8	7	1	1	1	1	1	1	1	1	1	4	7	8	21	6	8	8	D1	1	BR	AR	- 28	0.35%	-13.61%	12.54%
iShares MSCI China A ETF	CNYA	27.09	211	14	13	16	16	3	9	17	6	11	15	20	18	18	22	21	4	2	3	D3	1	BF	BR	- 28	2.00%	-7.67%	3.08%
KraneShares Bosera MSCI China A 50	KBA	22.85	169	13	14	16	16	3	14	17	6	14	21	26	23	23	23	22	7	6	9	D2	1	BF	BR	- 30	2.97%	-7.60%	3.11%
Franklin FTSE China ETF	FLCH	19.47	160	5	4	1	1	1	1	1	1	1	3	5	12	16	22	10	4	3	4	D1	1	BR	AR	- 30	-0.92%	-12.96%	12.48%
Invesco Golden Dragon China ETF	PGJ	25.38	134	19	9	1	2	2	2	3	2	3	6	9	10	11	14	10	6	7	5	D1	1	BF	BR	- 27	-4.55%	-18.72%	3.20%
KraneShares MSCI All China Health C	KURE	14.87	82	4	5	3	8	1	8	5	2	15	28	29	28	29	30	29	22	17	14	U3	2	BR	AR	- 28	-0.40%	-5.04%	12.65%
iShares MSCI China Small-Cap ETF	ECNS	26.18	63	5	7	1	1	1	1	1	1	1	2	3	10	14	15	15	5	1	2	D1	1	BR	AR	- 28	1.44%	-10.30%	9.69%
KraneShares MSCI China Clean Techn	KGRN	24.47	46	2	3	1	1	1	1	1	1	1	1	7	11	11	15	6	1	1	2	D1	1	BR	AR	- 28	2.04%	-10.76%	15.53%
First Trust China AlphaDEX Fund	FCA	19.58	32	14	9	4	4	3	3	7	7	10	13	18	18	16	15	14	11	13	12	D1	1	BF	BR	- 27	0.10%	-11.46%	2.10%
Xtrackers Harvest CSI 500 China A-Sh	ASHS	27.71	29	13	9	13	6	1	2	5	2	4	6	18	12	15	23	22	3	1	1	D2	1	BR	AR	- 27	0.40%	-9.07%	7.15%
VanEck ChiNext ETF	CNXT	25.18	28	25	18	20	19	2	4	5	1	3	3	10	3	6	16	10	1	1	3	D3	2	BF	BR	- 28	-0.94%	-15.02%	0.04%
FIXED INCOME - Bonds (US)																													
EF-62 Broad Bond Market																													
Vanguard Total Bond Market ETF	BND	72.02	125,273	7	3	7	8	11	13	10	22	27	26	27	27	26	22	23	23	24	23	U3	3	BR	BF	+ 10	-2.93%	-1.45%	1.85%
iShares Core U.S. Aggregate Bond ET	AGG	97.04	121,727	6	3	7	8	7	9	11	19	22	22	24	25	24	19	23	22	22	21	U3	2	BR	BR	- 6	-2.44%	-0.95%	2.06%
iShares Core Total USD Bond Market f	IUSB	45.12	32,504	6	3	7	8	7	9	11	19	22	22	24	25	24	19	22	22	21	20	U3	2	BR	BR	- 7	-2.32%	-1.07%	1.82%
Vanguard Intermediate-Term Bond ET	BIV	75.05	22,504	6	2	7	7	7	9	11	19	22	22	24	25	24	19	23	22	22	21	U3	2	BR	BR	- 6	-2.68%	-0.80%	2.53%

		Relative Strength Ranking - RSR																				% Price Δ								
		Price	MKT Cap(MM)	04/11	04/04	03/28	03/21	03/14	03/07	02/28	02/21	02/14	02/07	01/31	01/24	01/17	01/10	01/03	12/31	12/27	12/20	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month		
EF-62	Broad Bond Market																													
	Schwab US Aggregate Bond ETF	SCHZ	22.72	8,415	6	3	7	8	7	9	11	19	22	22	24	25	24	19	23	22	22	21	U3	2	BR	BR	- 6	-2.41%	-1.03%	2.07%
	SPDR Portfolio Aggregate Bond ETF	SPAB	25.04	8,366	6	3	7	8	7	9	11	19	22	22	24	25	24	19	23	22	22	21	U3	2	BR	BR	- 6	-2.42%	-0.98%	2.14%
	Vanguard Long-Term Bond ETF	BLV	67.35	5,886	13	3	8	8	9	10	11	19	22	29	29	30	29	29	29	28	27	22	U3	2	BF	BF	+ 17	-5.47%	-3.35%	1.53%
	PIMCO Active Bond ETF	BOND	89.87	5,398	7	3	7	7	7	8	10	19	22	22	24	25	24	19	22	22	21	19	U3	3	BR	BR	- 7	-3.05%	-1.71%	1.84%
	iShares Agency Bond ETF	AGZ	108.32	634	5	3	7	8	7	9	13	19	22	22	23	24	21	15	21	19	20	18	U3	5	BR	AR	- 73	-1.30%	-0.27%	1.59%
	iShares Core 10+ Year USD Bond ETF ILTB	47.69	587	13	3	8	8	8	10	11	19	22	22	29	30	29	29	28	27	26	22	U3	2	BF	BF	+ 16	-5.04%	-3.58%	1.08%	
EF-63	Vident U.S. Bond Strategy ETF	VBND	42.83	445	8	3	9	11	7	9	11	19	22	22	24	25	24	19	22	22	22	20	U3	3	BF	BR	- 6	-2.66%	-1.37%	1.37%
	U.S. Government				8	1	8	9	13	15	11	24	28	27	28	29	28	27	27	26	27	25	U3	2	BR	BF	+ 10	-3.95%	-1.57%	2.68%
	iShares 20+ Year Treasury Bond ETF	TLT	86.89	47,998	12	1	8	8	8	13	11	19	29	29	30	30	30	30	29	28	29	26	U3	1	BR	BF	+ 20	-6.42%	-3.29%	2.72%
	iShares 7-10 Year Treasury Bond ETF	IEF	93.51	37,310	5	1	7	7	7	9	11	19	22	22	24	25	24	24	23	25	22	22	U3	2	BR	BR	- 4	-3.16%	-0.71%	3.34%
	Vanguard Intermediate-Term Treasury	VGIT	58.66	31,479	4	2	7	7	7	9	11	19	22	22	24	25	24	19	22	22	21	21	U3	3	BR	AR	- 6	-2.07%	-0.11%	2.98%
	iShares U.S. Treasury Bond ETF	GOVT	22.64	26,625	5	2	7	8	7	9	11	19	22	22	24	25	24	19	23	22	22	21	U3	2	BR	AR	- 5	-2.29%	-0.48%	2.56%
	iShares 3-7 Year Treasury Bond ETF	IEI	116.99	15,876	4	2	7	7	7	9	11	19	22	22	24	25	24	19	22	22	21	20	U3	3	AR	AR	- 7	-1.77%	0.07%	2.87%
EF-64	Schwab Intermediate-Term US Treasu	SCHR	24.55	10,350	4	2	7	7	7	9	11	19	22	22	24	25	24	19	22	22	21	21	U3	3	BR	AR	- 6	-2.07%	-0.10%	3.00%
	SPDR Portfolio Intermediate Term Trez	SPTI	28.22	9,586	4	2	7	7	7	9	11	19	22	22	24	25	24	19	22	22	21	21	U3	3	BR	AR	- 6	-2.18%	-0.13%	2.97%
	Vanguard Long-Term Treasury ETF	VGLT	55.13	9,328	11	1	7	8	7	10	11	19	22	29	30	30	30	29	29	28	29	26	U3	2	BR	BF	+ 19	-6.10%	-3.03%	2.86%
	PIMCO 25+ Year Zero Coupon US Tre	ZROZ	66.71	1,456	16	1	10	11	9	13	17	30	30	30	30	30	30	30	30	30	30	29	U1	1	BF	BF	+ 21	-9.34%	-5.18%	2.25%
	Invesco 1-30 Laddered Treasury ETF	PLW	27.05	1,035	8	1	9	8	7	10	11	19	22	22	24	30	28	28	28	27	26	22	U3	2	BR	BF	+ 17	-4.52%	-1.88%	2.59%
	Invesco Taxable Municipal Bond ETF	BAB	25.84	941	10	3	11	8	7	9	11	19	22	22	24	25	24	23	23	24	22	22	U3	3	BF	BR	- 4	-3.55%	-2.67%	0.77%
	Credit				9	5	10	11	14	13	12	20	25	23	24	24	23	18	21	20	20	21	D1	1	BF	BF	- 1	-1.88%	-1.81%	0.26%
EF-65	Vanguard Intermediate-Term Corporat	VCIT	79.56	50,784	8	3	7	8	7	9	11	19	22	22	24	25	24	19	22	21	20	18	U3	2	BF	BR	- 8	-2.73%	-1.50%	1.35%
	iShares iBoxx \$ Investment Grade Cor	LQD	105.23	27,960	10	3	8	8	8	10	13	19	22	22	24	25	24	23	23	22	22	20	U3	2	BF	BR	- 5	-3.26%	-2.14%	0.97%
	iShares 5-10 Year Investment Grade C	IGIB	51.10	14,431	8	3	7	8	7	9	11	19	22	22	24	25	24	19	22	21	20	18	U3	2	BF	BR	- 9	-2.70%	-1.52%	1.47%
	Vanguard Long-Term Corporate Bond	VCLT	72.44	13,212	14	4	8	9	9	10	13	19	22	22	24	25	28	28	28	26	25	22	D3	1	BF	BF	+ 15	-4.83%	-3.69%	0.05%
	SPDR Portfolio Intermediate Term Cor	SPIB	32.62	9,342	6	3	7	8	7	9	11	19	22	22	23	24	22	15	20	18	19	17	U3	4	BR	AR	- 71	-1.78%	-0.84%	1.39%
	iShares iBonds Dec 2025 Term Corpor	IBDQ	25.09	3,155	4	4	8	8	7	9	13	17	22	18	19	21	18	12	16	15	16	16	U3	91	AR	AR	- 117	0.04%	0.22%	1.05%
	iShares 10+ Year Investment Grade C	IGLB	47.94	2,368	14	5	8	9	9	10	12	19	22	22	24	25	28	28	27	25	22	22	D3	1	BF	BF	+ 15	-4.63%	-3.68%	0.15%
EF-66	iShares 0-5 Year Investment Grade Co	SLQD	49.79	2,186	4	3	7	8	7	9	12	18	22	21	21	22	19	13	17	16	17	17	U3	18	BR	AR	- 118	-0.78%	-0.12%	1.33%
	SPDR Portfolio Corporate Bond ETF	SPBO	28.21	1,728	10	3	8	8	7	9	11	19	22	22	24	25	24	19	22	22	21	18	U3	2	BF	BR	- 7	-2.76%	-1.80%	0.88%
	iShares Aaa-A Rated Corporate Bond	QLTA	46.42	1,622	8	3	8	8	7	10	13	19	22	22	24	25	24	19	23	22	22	20	U3	2	BF	BR	- 5	-2.54%	-1.39%	1.38%
	PIMCO Investment Grade Corporate B	CORP	94.14	1,293	8	3	7	8	7	9	11	19	22	22	24	25	24	19	22	21	21	18	U3	2	BF	BR	- 8	-2.65%	-1.61%	1.18%
	SPDR Portfolio Long Term Corporate	E SPLB	21.55	1,130	14	5	8	9	9	13	13	19	22	22	24	25	28	28	28	26	25	22	D3	1	BF	BF	+ 14	-4.73%	-3.67%	0.06%
	WisdomTree Yield Enhanced U.S. Agg	AGGY	42.51	854	8	3	10	8	7	9	11	19	22	22	24	25	24	19	23	22	21	19	U3	3	BF	BR	- 6	-2.70%	-1.53%	1.32%
	iShares Interest Rate Hedged Corpor	LQDH	90.08	513	10	7	8	8	7	9	13	11	17	15	16	18	15	11	15	14	15	15	D2	1	BF	BR	- 124	-0.40%	-2.09%	-1.66%
EF-67	iShares Interest Rate Hedged High Yie	HYGH	82.90	394	11	14	8	8	7	9	11	11	16	15	14	15	14	10	13	13	14	14	D2	2	BF	BR	- 128	4.39%	-2.46%	-2.48%
	ProShares Investment Grade-Interest	IGHG	75.40	266	10	7	8	11	9	10	17	12	19	17	16	18	15	10	14	13	14	14	D2	2	BF	BR	- 125	0.31%	-1.47%	-2.49%
	Invesco Global Short Term High Yield	IFGHY	19.14	151	11	7	9	7	7	7	10	13	18	15	19	22	18	12	16	15	16	15	D2	1	BF	BR	- 122	-0.13%	-3.14%	-1.28%
	Invesco Fundamental Investment Grac	PFIG	23.47	82	6	3	7	8	7	9	12	19	22	22	24	24	22	17	21	20	20	18	U3	4	BR	AR	- 71	-2.03%	-0.75%	1.46%
	Asset Allocation				20	19	22	21	21	19	18	18	15	15	17	17	16	17	17	17	16	15	D3	5	BF	BF	- 7	2.24%	-5.82%	-6.89%
	iShares Core Aggressive Allocation ET	AOA	73.54	2,081	16	16	10	11	9	10	13	12	15	16	18	18	17	17	17	15	17	13	D3	1	BF	BF	- 71	3.49%	-4.20%	-2.61%
	iShares Core Moderate Allocation ET	AOM	42.50	1,422	12	9	8	9	9	10	13	16	18	20	21	22	21	18	19	17	19	15	D2	2	BF	BR	- 70	0.40%	-2.53%	-0.46%
EF-68	WBI BullBear Yield 3000 ETF	WBIG	20.75	33	27	23	26	26	25	13	17	19	22	22	23	21	20	19	21	19	20	15	D3	7	BF	BF	+ 7	-0.73%	-9.63%	-11.97%
	WBI BullBear Quality 3000 ETF	WBIL	29.10	30	29	28	29	30	29	29	28	27	15	16	16	15	16	17	12	13	11	10	D3	7	BF	BF	- 18	0.55%	-9.59%	-15.50%

		Relative Strength Ranking - RSR																				% Price Δ								
Group or Corp	Ticker	Price	MKT Cap(MM)																			TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month		
				04/11	04/04	03/28	03/21	03/14	03/07	02/28	02/21	02/14	02/07	01/31	01/24	01/17	01/10	01/03	12/31	12/27	12/20									
EF-65 Asset Allocation	WBI BullBear Value 3000 ETF	WBIF	26.45	27	23	18	19	11	9	10	11	17	15	14	15	18	19	19	23	22	22	18	D3	4	BF	BF	- 26	-0.18%	-7.55%	-6.77%
	VanEck Long/Flat Trend ETF	LFEQ	45.23	23	20	25	24	24	22	21	15	9	8	9	9	8	9	8	6	7	7	12	D3	3	BF	BF	- 74	5.80%	-4.98%	-7.81%
	Arrow DWA Tactical: Macro ETF	DWAT	11.18	2	16	19	18	19	19	20	13	8	9	9	11	11	11	13	12	14	12	16	D3	2	BF	BF	- 66	6.34%	-2.34%	-2.68%
EF-66 Mortgages	iShares MBS ETF	MBB	91.91	35,964	5	2	7	7	9	10	8	19	25	24	24	26	24	21	22	21	22	22	U3	4	BR	BR	+ 11	-2.46%	-0.88%	2.28%
	Vanguard Mortgage-Backed Securities VMBS	45.20	18,750	6	3	7	7	7	9	11	19	22	22	24	25	24	19	23	22	22	21	20	U3	2	BR	BR	- 6	-2.41%	-0.82%	2.62%
	SPDR Portfolio Mortgage Backed Bond SPMB	21.55	5,700	6	2	7	7	7	9	11	19	22	22	24	25	24	19	23	22	22	21	20	U3	3	BR	BR	- 7	-3.00%	-1.35%	2.02%
	First Trust Low Duration Opportunities I LMBS	48.50	4,835	5	3	7	8	7	8	11	18	22	21	21	23	20	14	18	16	18	16	16	U3	18	BR	AR	- 117	-1.72%	-0.84%	1.20%
	FlexShares iBoxx 5 Year Target Duration TDTF	23.58	757	4	2	6	7	7	8	10	19	22	22	23	24	23	18	22	22	22	20	20	U3	3	BR	AR	- 8	-2.12%	-0.27%	2.77%
	iShares GNMA Bond ETF	GNMA	42.91	343	6	2	7	7	7	9	11	19	22	22	24	25	24	19	23	22	21	21	U3	2	BR	BR	- 6	-2.93%	-1.10%	2.54%
	FlexShares Disciplined Duration MBS I MBSD	20.38	89	5	2	7	7	7	8	11	19	22	22	24	25	24	19	22	21	20	20	20	U3	3	BR	AR	- 8	-2.12%	-0.52%	2.59%
EF-67 Inflation	Vanguard Short-Term Inflation-Protected VTIP	49.57	14,584	3	3	6	7	7	8	11	13	21	19	19	22	19	13	17	16	18	17	17	U3	5	BR	AR	+ 11	-2.30%	-0.62%	2.28%
	iShares TIPS Bond ETF	TIP	107.97	14,122	5	3	6	7	7	9	10	19	22	22	24	25	24	19	23	22	22	20	U3	3	BR	AR	- 7	-2.38%	-0.69%	2.30%
	Schwab US TIPS ETF	SCHP	26.18	12,975	5	2	6	7	7	9	10	19	22	22	24	25	24	19	23	22	22	20	U3	3	BR	AR	- 8	-2.50%	-0.69%	2.34%
	iShares 0-5 Year TIPS Bond ETF	STIP	102.29	11,738	3	3	6	7	7	8	11	16	21	19	19	22	19	13	17	16	18	17	U3	20	AR	AR	- 108	-0.64%	0.56%	2.53%
	SPDR Bloomberg 1-10 Year TIPS ETF TIPX	18.83	1,653	4	2	6	7	7	8	10	17	22	21	22	23	21	15	21	20	20	18	18	U3	7	BR	AR	- 70	-1.67%	0.03%	2.56%
	SPDR Portfolio TIPS ETF	SPIP	25.57	926	6	3	6	7	7	9	10	19	22	22	24	25	24	19	23	22	22	20	U3	3	BR	AR	- 7	-2.55%	-0.87%	2.23%
	PIMCO 15+ Year US TIPS Index ETF	LTPZ	51.01	679	15	3	8	9	9	13	10	19	22	22	28	30	30	29	29	28	29	25	D1	1	BF	BF	+ 17	-6.75%	-4.35%	0.68%
	PIMCO 1-5 Year US TIPS Index ETF	STPZ	53.38	447	3	2	6	7	7	8	10	16	22	19	20	23	19	13	18	17	19	17	U3	12	AR	AR	- 107	-0.87%	0.60%	2.76%
	PIMCO Broad US TIPS Index ETF	TIPZ	52.30	109	6	2	6	7	7	9	10	19	22	22	24	25	24	19	23	22	22	21	U3	3	BR	AR	- 7	-2.64%	-0.74%	2.39%
EF-68 Short Duration	SPDR Bloomberg 1-3 Month T-Bill ETF BIL	91.56	46,892	4	4	8	8	7	9	13	18	22	19	19	21	18	12	16	15	16	16	16	U3	151	AR	AR	- 151	0.09%	0.33%	1.05%
	Vanguard Short-Term Bond ETF	BSV	77.74	35,704	4	3	7	8	7	9	13	19	22	22	22	23	21	14	19	17	19	18	U3	8	AR	AR	- 76	-0.92%	0.14%	1.93%
	Vanguard Short-Term Corporate Bond VCSH	77.94	34,027	5	3	7	8	7	9	12	18	22	21	21	23	20	13	18	16	18	17	17	U3	17	BR	AR	- 118	-1.13%	-0.34%	1.25%
	iShares 1-3 Year Treasury Bond ETF	SHY	82.43	23,558	4	3	7	8	7	9	13	19	22	21	21	23	20	13	17	16	18	17	U3	17	AR	AR	- 115	-0.30%	0.35%	1.72%
	Vanguard Short-Term Treasury ETF	VGSH	58.49	22,826	4	3	7	8	7	9	13	19	22	21	21	23	19	13	17	16	18	17	U3	17	AR	AR	- 116	-0.44%	0.37%	1.73%
	iShares 1-5 Year Investment Grade Corporate IGSB	51.68	20,938	5	3	7	8	7	9	11	18	22	21	21	23	20	14	18	16	18	17	17	U3	17	BR	AR	- 118	-1.09%	-0.36%	1.37%
	iShares Short Treasury Bond ETF	SHV	110.25	20,768	4	4	8	8	7	9	13	18	22	19	19	21	18	12	16	15	16	16	U3	139	AR	AR	- 138	0.07%	0.32%	1.06%
	WisdomTree Floating Rate Treasury Fund USFR	50.37	18,709	4	4	9	8	7	9	13	16	21	18	19	21	18	12	16	15	16	16	16	U3	167	AR	AR	- 167	0.06%	0.22%	0.98%
	PIMCO Enhanced Short Maturity Active MINT	100.15	12,559	4	4	7	8	7	9	13	16	21	18	19	21	18	12	16	15	16	16	16	U3	124	AR	AR	- 122	-0.02%	0.07%	0.94%
	Schwab Short-Term US Treasury ETF	SCHO	24.26	10,757	4	3	7	8	7	9	13	19	22	21	21	23	20	13	17	16	18	17	U3	17	AR	AR	- 115	-0.45%	0.39%	1.74%
	iShares Floating Rate Bond ETF	FLOT	50.35	8,726	6	6	7	8	7	9	13	16	21	18	19	21	17	12	16	15	16	16	D1	1	BF	AR	- 134	0.50%	-0.81%	0.00%
	SPDR Portfolio Short Term Corporate Bond SPSB	29.82	7,881	4	3	7	8	7	9	12	18	22	20	20	22	19	13	16	16	17	16	16	U3	19	BR	AR	- 118	-0.67%	-0.06%	1.20%
	iShares Treasury Floating Rate Bond ETF TFLO	50.54	7,060	4	4	8	8	7	9	13	17	21	18	19	21	18	12	16	15	16	16	16	U3	167	AR	AR	- 167	0.08%	0.28%	1.06%
	First Trust Enhanced Short Maturity ETF FTSM	59.84	6,630	4	3	7	8	7	9	13	17	22	19	19	22	18	12	16	15	16	16	16	U3	139	AR	AR	- 138	-0.08%	0.25%	1.16%
	SPDR Portfolio Short Term Treasury ETF SPTS	29.16	6,208	4	3	7	8	7	9	13	19	22	21	21	23	19	13	17	16	18	17	17	U3	17	AR	AR	- 115	-0.41%	0.42%	1.79%
	BlackRock Ultra Short-Term Bond ETF ICSH	50.52	5,691	4	3	7	8	7	9	13	17	22	18	19	21	18	12	16	15	16	16	16	U3	140	AR	AR	- 138	-0.02%	0.32%	1.21%
	iShares Core 1-5 Year USD Bond ETF ISTB	47.89	4,483	4	3	7	8	7	9	12	19	22	21	21	23	20	14	18	17	18	17	17	U3	16	BR	AR	- 117	-0.95%	-0.11%	1.61%
	BlackRock Short Maturity Bond ETF	NEAR	50.41	3,201	4	3	7	8	7	9	12	18	22	20	20	22	19	13	16	16	17	16	U3	19	BR	AR	- 133	-0.71%	-0.23%	1.15%
	SPDR Bloomberg Investment Grade Floating Rate FLRN	30.45	2,774	5	6	7	8	7	9	12	16	21	18	19	21	17	12	16	15	16	16	16	D1	1	BF	AR	- 135	0.53%	-0.66%	0.14%
	VanEck IG Floating Rate ETF	FLTR	25.09	2,340	6	6	7	8	7	8	11	13	20	17	19	20	17	11	16	15	15	16	D1	1	BF	AR	- 133	0.52%	-1.24%	-0.34%
	FlexShares iBoxx 3 Year Target Duration TDDT	24.00	2,326	4	3	6	7	7	8	11	17	22	20	21	23	19	14	19	18	19	18	18	U3	12	AR	AR	- 74	-0.99%	0.44%	2.67%

		Relative Strength Ranking - RSR																				% Price Δ							
Group or Corp	Ticker	Price	MKT Cap(MM)	04/11	04/04	03/28	03/21	03/14	03/07	02/28	02/21	02/14	02/07	01/31	01/24	01/17	01/10	01/03	12/31	12/27	12/20	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month	
EF-68 Short Duration																													
	SPDR SSgA Ultra Short Term Bond E	40.47	612	4	3	7	8	7	9	13	18	22	19	20	22	18	12	16	15	16	16	U3	136	AR	AR	- 136	-0.21%	0.17%	1.18%
	Fidelity Limited Term Bond ETF	49.54	223	5	3	7	8	7	9	11	18	22	21	21	23	19	13	17	16	18	17	U3	17	BR	AR	- 117	-1.22%	-0.58%	1.00%
	Franklin Short Duration U.S. Governm	90.36	219	4	3	7	8	7	9	13	17	22	19	20	22	19	13	16	15	17	16	U3	91	AR	AR	- 115	-0.37%	0.09%	1.49%
	WisdomTree Interest Rate Hedged Hig	21.52	174	11	9	14	9	8	9	11	12	17	15	14	17	15	10	14	14	14	13	D2	2	BF	BR	- 127	1.37%	-2.12%	-2.53%
	WisdomTree Interest Rate Hedged U.S	22.11	132	6	6	11	9	7	10	12	13	20	18	19	19	18	12	16	14	16	16	D1	3	BF	AR	- 126	-0.27%	-0.65%	-0.57%
EF-69 Municipal Bonds				13	5	15	14	14	16	15	19	25	21	23	24	22	16	20	19	20	21	D2	3	BF	BF	- 3	-3.22%	-2.87%	-2.02%
	iShares National Muni Bond ETF	102.31	38,254	14	6	10	11	9	10	17	19	22	22	24	25	23	17	20	20	20	18	D3	2	BF	BF	- 70	-3.24%	-3.10%	-2.40%
	Vanguard Tax-Exempt Bond ETF	48.13	34,749	14	6	10	11	9	10	17	19	22	22	24	25	23	17	19	19	20	18	D3	2	BF	BF	- 70	-3.45%	-3.01%	-2.39%
	iShares Short-Term National Muni Bon	104.93	8,678	6	4	8	9	7	10	17	19	22	21	21	23	20	13	18	17	19	17	D1	1	BF	AR	- 74	-1.08%	-0.43%	0.18%
	SPDR Nuveen Bloomberg Short Term	47.02	3,346	8	4	8	9	7	10	17	19	22	21	22	24	21	14	19	19	19	18	D1	1	BF	BR	- 71	-1.67%	-1.20%	-0.13%
	VanEck High Yield Muni ETF	49.26	3,221	14	6	10	9	8	10	11	19	22	21	23	24	22	15	19	19	21	18	D2	2	BF	BF	- 69	-3.98%	-4.44%	-3.30%
	SPDR Nuveen Bloomberg Municipal B	43.63	3,157	14	6	10	11	9	10	17	19	22	22	24	25	24	18	21	21	20	18	D3	2	BF	BF	- 1	-3.90%	-3.46%	-3.02%
	Invesco National AMT-Free Municipal	22.22	2,802	16	6	18	11	9	13	17	19	22	22	24	25	24	19	21	21	21	17	D3	3	BF	BF	+ 11	-4.88%	-4.08%	-4.01%
	SPDR Nuveen Bloomberg High Yield M	24.20	2,556	16	6	10	9	9	10	11	18	22	21	24	24	23	18	20	20	21	17	D2	2	BF	BF	- 69	-4.84%	-4.82%	-3.49%
	First Trust Managed Municipal ETF	49.12	1,913	13	5	16	11	9	10	13	19	22	22	24	24	23	15	20	20	20	18	D2	2	BF	BF	- 70	-3.55%	-3.13%	-2.40%
	VanEck Intermediate Muni ETF	44.36	1,810	13	6	10	11	9	10	13	19	22	22	24	25	23	15	19	18	20	18	D2	2	BF	BF	- 69	-3.19%	-2.83%	-2.52%
	PIMCO Intermediate Municipal Bond A	50.34	1,808	11	5	8	9	9	10	12	19	22	22	24	24	23	16	21	20	20	18	D2	1	BF	BF	- 70	-2.93%	-2.35%	-1.34%
	BlackRock Short Maturity Municipal Bo	50.00	953	5	5	8	8	7	9	13	19	22	21	21	23	20	13	17	16	18	17	U3	128	BR	AR	- 140	-0.02%	-0.13%	0.78%
	PIMCO Short Term Municipal Bond Acl	49.40	686	7	4	8	9	7	9	17	19	22	21	22	23	21	13	18	17	19	18	D1	1	BF	BR	- 120	-1.52%	-1.12%	-0.12%
	Franklin Dynamic Municipal Bond ETF	23.57	596	13	4	8	9	9	9	12	19	22	21	24	24	22	15	19	19	19	17	D2	1	BF	BF	- 70	-4.19%	-3.33%	-2.21%
	VanEck Short High Yield Muni ETF	22.03	314	10	3	8	8	7	9	11	13	21	18	19	22	19	13	17	17	17	16	D1	1	BF	BR	- 68	-3.33%	-2.25%	-1.31%
	VanEck CEF Muni Income ETF	20.33	164	17	8	10	11	9	13	11	19	22	22	24	25	24	22	23	26	26	18	D3	2	BF	BF	- 7	-4.42%	-5.85%	-4.01%
	Franklin Municipal Green Bond ETF	22.56	94	16	6	10	11	9	13	17	19	22	22	24	25	24	18	20	21	21	17	D3	2	BF	BF	- 1	-4.75%	-4.02%	-3.44%
	Invesco VRDO Tax-Free ETF	24.84	27	5	6	12	9	7	10	17	19	22	21	22	23	19	12	17	16	18	17	U3	153	AR	AR	- 151	0.40%	0.33%	0.36%
	First Trust Flexible Municipal High Inco	16.04	14	16	4	16	11	9	10	12	19	22	21	23	25	24	19	21	22	21	17	D3	1	BF	BF	- 69	-6.64%	-5.38%	-3.85%
FIXED INCOME - Bonds (Intl)																													
EF-70 High Yield				10	7	12	12	12	9	10	17	21	20	21	22	21	16	19	18	19	19	D2	1	BF	BF	- 2	-0.11%	-2.41%	-0.20%
	iShares iBoxx \$ High Yield Corporate	76.74	14,811	10	7	8	8	7	8	10	13	19	17	19	19	17	13	16	15	16	15	D2	1	BF	BR	- 119	-0.03%	-2.24%	-0.89%
	Invesco Senior Loan ETF	20.47	6,591	8	7	13	9	7	9	12	16	20	17	18	19	16	11	14	14	15	15	D2	2	BF	AR	- 124	0.69%	-1.12%	-1.38%
	SPDR Blackstone Senior Loan ETF	40.14	6,583	10	8	8	9	8	9	12	13	19	16	18	18	15	10	14	14	15	14	D2	2	BF	BR	- 117	0.63%	-1.64%	-2.27%
	SPDR Bloomberg High Yield Bond ETF	92.39	6,179	11	8	8	8	7	9	11	13	20	18	19	20	17	13	16	15	16	15	D2	2	BF	BR	- 118	-0.06%	-2.54%	-1.47%
	iShares 0-5 Year High Yield Corporate	41.33	5,885	10	7	8	8	7	8	10	12	19	16	18	18	16	12	15	15	16	15	D2	1	BF	BR	- 123	0.24%	-2.27%	-1.27%
	SPDR Bloomberg Short Term High Yie	24.44	3,896	10	8	8	8	7	8	10	12	19	16	18	19	16	12	15	15	15	15	D2	2	BF	BR	- 122	0.29%	-2.36%	-1.35%
	VanEck Fallen Angel High Yield Bond	27.62	2,781	13	8	8	8	7	8	11	18	21	18	19	21	18	13	17	16	17	15	D2	1	BF	BR	- 74	-0.22%	-3.87%	-1.81%
	First Trust Tactical High Yield ETF	40.20	1,592	10	7	13	9	9	9	11	17	21	19	19	21	17	13	16	15	15	15	D2	2	BF	BR	- 116	0.07%	-1.77%	-1.07%
	PIMCO 0-5 Year High Yield Corporate	90.92	1,359	10	8	8	8	7	7	10	12	18	16	18	18	16	12	15	15	16	15	D2	1	BF	BR	- 122	0.63%	-2.49%	-1.15%
	iShares CMBS ETF	47.54	423	5	3	7	8	7	8	11	19	22	20	22	24	21	15	20	19	19	18	U3	7	BR	AR	- 70	-1.70%	-0.33%	1.67%
	iShares J.P. Morgan EM High Yield Bo	36.62	423	13	7	8	8	7	7	10	11	17	15	17	19	16	12	15	15	15	14	D2	1	BF	BR	- 73	-0.84%	-4.13%	-1.86%
	Invesco Fundamental High Yield Corp	17.62	317	10	7	12	8	7	9	11	19	22	21	21	22	19	15	18	17	18	16	D2	1	BF	BR	- 120	-0.62%	-2.34%	-0.82%
	Principal Active High Yield ETF	18.47	284	11	9	8	9	8	9	11	12	19	17	19	19	16	12	16	15	16	15	D2	2	BF	BR	- 121	0.93%	-2.68%	-2.11%
	SPDR Bloomberg International Corpora	30.76	197	1	2	6	7	7	7	17	19	22	29	24	25	29	28	28	25	25	22	U3	2	AR	AR	+ 17	3.43%	4.20%	11.36%
	ProShares High Yield-Interest Rate He	62.75	163	11	9	8	9	7	9	9	11	16	14	14	15	14	10	13	13	14	13	D2	2	BF	BR	- 129	2.00%	-2.38%	-2.65%
	iShares US & Intl High Yield Corp Bon	43.86	162	6	7	7	8	7	7	11	17	20	21	21	21	20	15	19	17	18	16	D1	1	BF	AR	- 74	1.02%	-1.30%	1.61%
	Invesco International Corporate Bond	22.88	132	1	3	7	8	7	9	17	19	22	29	24	25	29	29	28	27	26	24	U3	2	AR	AR	+ 17	2.28%	2.98%	9.19%
	RiverFront Strategic Income Fund	22.20	97	11	3	5	7	7	10	10	19	22	21	23	24	22	16	21	20	20	18	U3	4	BF	BR	- 70	-4.52%	-2.62%	-0.80%

		Relative Strength Ranking - RSR																				% Price Δ									
Group or Corp	Ticker	Price	MKT Cap(MM)	04/11	04/04	03/28	03/21	03/14	03/07	02/28	02/21	02/14	02/07	01/31	01/24	01/17	01/10	12/03	12/31	12/27	12/20	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month			
				11	04	28	21	14	07	28	21	14	07	31	24	17	10	03	31	27	20										
EF-70 High Yield	High Yield ETF	HYLD	18.65	32	28	16	17	7	7	7	9	17	20	22	24	30	24	29	23	28	28	17	D3	1	BF	BF	- 5	-8.09%	-18.01%	-10.14%	
	VanEck International High Yield Bond E IHY		20.85	25	4	6	7	7	7	6	17	19	21	22	24	23	24	19	22	20	20	18	U3	3	AR	AR	- 73	1.61%	-0.43%	3.57%	
EF-71 Intl Sovereign Debt	iShares JP Morgan USD Emerging Ma EMB	87.36	12,597		3	4	9	9	8	9	19	22	26	27	28	26	27	24	27	26	25	24	U3	3	AR	AR	+ 11	0.74%	-0.07%	4.81%	
	Vanguard Emerging Markets Governm VWOB	61.95	4,701		10	6	8	8	7	8	10	19	22	19	22	23	22	18	21	20	20	16	D2	1	BF	BR	- 71	-1.39%	-3.28%	-0.25%	
	VanEck J. P. Morgan EM Local Curren EMLC	23.92	2,675		3	5	7	7	7	7	17	19	22	22	24	24	27	24	23	25	22	22	U3	2	AR	AR	- 5	1.70%	-0.05%	5.47%	
	SPDR Bloomberg Emerging Markets L EBND	20.15	1,852		3	5	8	8	7	7	17	17	22	22	24	23	24	22	23	22	22	21	U3	2	AR	AR	- 6	1.49%	-0.24%	4.74%	
	Invesco Emerging Markets Sovereign I PCY	19.23	1,177		14	8	14	8	7	9	10	19	22	22	24	25	24	23	23	22	22	17	D2	2	BF	BF	- 6	-1.99%	-4.75%	-1.04%	
	SPDR Bloomberg International Treasuri BWX	22.72	1,056		1	3	8	9	7	10	17	19	22	29	29	25	29	29	28	27	25	22	U3	1	AR	AR	+ 18	1.84%	3.88%	9.07%	
	iShares International Treasury Bond E IGOV	41.25	598		1	3	11	14	14	17	25	26	27	29	29	29	30	29	29	27	27	25	U3	1	AR	AR	+ 19	2.48%	4.64%	10.06%	
	SPDR FTSE International Government WIP	37.48	324		3	3	7	8	7	9	17	19	22	29	29	25	29	29	29	28	28	26	U3	2	AR	AR	+ 21	-0.11%	-0.12%	5.92%	
	iShares J.P. Morgan EM Local Currenc LEMB	37.57	308		3	5	8	8	7	5	18	19	24	25	27	23	27	22	25	24	24	23	U3	4	AR	AR	+ 11	1.05%	-0.45%	4.59%	
	SPDR Bloomberg Short Term Internati BWZ	27.29	188		1	1	6	7	6	8	17	19	22	22	24	25	29	24	28	26	22	22	U3	2	AR	AR	- 3	2.17%	3.17%	9.00%	
	First Trust Emerging Markets Local Cui FEMB	27.07	137		3	6	12	8	7	8	17	19	22	22	24	25	29	26	28	27	26	22	U3	3	AR	AR	+ 18	2.42%	-0.43%	5.51%	
ALTERNATIVES																															
EF-72 Currency	Invesco CurrencyShares Japanese Yer FXY	64.27	752		1	3	10	12	11	14	25	24	27	29	29	28	29	27	28	27	26	26	U3	2	AR	AR	+ 10	3.02%	2.82%	7.44%	
	Invesco CurrencyShares Euro Trust FXE	104.73	356		1	1	7	6	7	6	17	14	27	25	29	30	28	28	29	27	29	26	U3	4	AR	AR	+ 11	2.28%	3.56%	9.90%	
	Invesco CurrencyShares Swiss Franc FFX	108.88	267		1	2	11	14	14	15	28	28	29	30	29	30	29	28	28	27	26	24	U3	1	AR	AR	+ 9	5.66%	8.49%	12.40%	
	Invesco CurrencyShares Canadian Do FXC	70.40	74		3	6	10	11	9	13	29	19	22	29	30	25	28	24	28	27	27	25	U2	1	AR	AF	+ 22	2.40%	3.49%	4.10%	
	Invesco CurrencyShares British Pound FXB	125.68	63		2	3	6	7	6	7	17	19	22	29	24	25	29	26	23	22	22	22	U3	2	AR	AR	- 3	1.55%	1.26%	7.80%	
	Invesco CurrencyShares Australian Do FXA	62.33	62		8	10	10	11	9	13	29	19	22	30	30	25	30	29	29	28	29	27	D3	2	AR	BF	+ 20	4.23%	-0.42%	2.78%	
	WisdomTree Emerging Currency Strat CEW	17.60	7		3	5	9	6	6	8	17	12	19	21	24	22	25	21	23	24	23	22	U3	5	AR	AR	+ 11	1.32%	-0.89%	3.97%	
EF-73 Commodities	SPDR Gold Shares	GLD	297.93	99,002		3	6	2	3	2	5	8	3	7	7	10	14	14	7	20	20	22	23	U3	9	BR	AR	- 2	3.37%	-1.20%	3.71%
	iShares Gold Trust	IAU	60.96	44,678		1	1	1	1	1	1	2	2	3	2	4	7	10	2	10	9	12	10	U3	13	AR	AR	+ 12	6.51%	8.24%	20.03%
	Sprott Physical Gold Trust Units	PHYS	24.82	11,247		1	1	1	1	1	1	2	2	3	2	4	7	10	3	11	11	14	11	U3	13	AR	AR	+ 12	6.07%	7.54%	19.73%
	abrdn Physical Gold Shares ETF	SGOL	30.82	4,934		1	1	1	1	1	1	2	2	3	2	4	7	10	2	10	9	12	10	U3	13	AR	AR	+ 12	6.42%	8.22%	20.02%
	SPDR S&P Global Natural Resources I GNR	49.63	2,529		16	18	9	11	14	17	24	20	21	27	28	25	24	28	29	29	30	30	D2	2	BF	BF	+ 22	4.44%	-6.69%	-2.09%	
	First Trust Global Tactical Commodity FTGC	24.12	2,393		6	6	2	5	4	5	8	7	8	9	11	12	9	6	12	14	15	14	D1	2	BF	AR	- 25	0.79%	-3.44%	-1.88%	
	VanEck Merk Gold Trust	OUNZ	31.15	1,577		1	1	1	1	1	2	2	3	2	4	7	10	2	10	9	12	10	U3	13	AR	AR	+ 12	6.42%	8.27%	20.04%	
	abrdn Physical Silver Shares ETF	SIVR	30.62	1,549		3	11	1	2	1	2	17	3	8	7	13	21	20	12	24	28	26	25	U3	4	BR	AR	- 2	7.97%	-4.85%	5.91%
	abrdn Physical Precious Metals Basket GLTR	129.79	1,337		1	1	1	1	1	2	4	2	4	5	5	12	15	5	17	20	19	17	U3	12	AR	AR	+ 11	6.46%	3.70%	14.32%	
	Invesco DB Commodity Index Tracking DBC	20.93	1,220		13	9	5	6	7	8	5	3	8	9	11	11	5	2	12	14	21	22	D2	1	BF	BF	- 2	-0.10%	-4.73%	-5.55%	
	abrdn Physical Platinum Shares ETF	PPLT	86.40	989		10	10	5	6	5	17	27	17	17	17	13	25	25	12	25	28	29	27	D1	1	BF	BF	- 2	2.98%	-4.97%	-1.57%
	iShares S&P GSCI Commodity Indexer GSG	21.12	886		14	9	5	6	8	9	5	4	6	6	5	5	1	1	7	8	17	15	D2	1	BF	BF	- 6	0.43%	-4.30%	-7.00%	
	Invesco DB Agriculture Fund	DBA	26.31	799		5	6	7	6	7	6	5	2	2	1	1	2	1	1	1	3	6	D1	5	BF	AR	- 109	0.65%	-0.57%	-0.53%	
	iShares U.S. ETF Trust iShares GSCI COMT	24.47	617		14	9	5	6	11	14	9	6	8	8	8	8	3	2	10	11	19	22	D2	1	BF	BF	- 2	-0.24%	-4.75%	-6.99%	
	SPDR S&P North American Natural Re NANR	51.12	585		16	19	8	12	16	23	23	23	25	27	28	24	19	24	29	29	29	30	D3	2	BF	BF	- 55	5.57%	-5.53%	-2.81%	
	iShares North American Natural Resou IGE	40.61	583		19	20	7	10	9	13	17	19	22	22	24	18	13	15	23	28	29	20	D3	4	BF	BF	- 1	2.84%	-7.48%	-7.16%	
	VanEck Agribusiness ETF	MOO	65.16	544		14	16	15	14	15	9	22	25	29	29	21	23	25	29	29	29	29	D2	2	BF	BF	+ 21	4.57%	-4.30%	1.07%	
	abrdn Physical Palladium Shares ETF	PALL	83.93	320		16	14	16	21	18	25	30	28	29	29	13	23	27	23	29	29	29	D3	5	BF	BF	- 2	-0.17%	-4.90%	-3.30%	
	United States Commodity Index Fund	USCI	67.73	224		4	3	1	1	1	2	3	2	3	2	2	2	1	1	3	3	8	6	D1	1	BF	AR	- 6	-0.99%	-3.14%	-1.32%
	Invesco DB Precious Metals Fund	DBP	72.40	188		1	1	1	1	1	1	3	2	4	3	5	10	8	2	11	11	13	15	U3	13	AR	AR	- 74	6.95%	5.34%	15.58%



			Relative Strength Ranking - RSR																				% Price Δ							
Group or Corp	Ticker	Price	MKT Cap(MM)	04/	04/	03/	03/	03/	03/	02/	02/	02/	02/	01/	01/	01/	01/	01/	12/	12/	12/	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month		
				11	04	28	21	14	07	28	21	14	07	31	24	17	10	03	31	27	20									
EF-73	Commodities																													
	Sprott Physical Platinum and Palladium	SPPP	9.28	183	13	11	7	12	7	18	28	22	17	25	19	25	27	22	29	30	29	29	D2	1	BF	BF	- 2	2.32%	-5.40%	-0.85%
	United States Copper Index Fund	CPER	28.51	163	2	6	1	1	1	1	3	3	3	2	19	18	11	7	28	28	26	27	U3	8	BR	AR	- 1	3.60%	-6.40%	6.02%
	Teucrium Wheat Fund	WEAT	4.83	125	9	14	25	18	16	25	28	5	5	10	24	28	29	29	30	27	29	30	D2	2	BF	BF	- 3	4.55%	-1.23%	2.55%
	Invesco DB Base Metals Fund	DBB	18.12	107	16	16	14	6	6	8	23	11	25	20	28	23	16	15	24	20	19	22	D3	1	BF	BF	- 70	2.23%	-8.88%	-3.64%
	Teucrium Corn Fund	CORN	19.58	50	2	6	17	13	13	8	5	2	2	2	2	2	1	1	10	4	10	14	D1	1	AF	AR	- 6	4.48%	3.98%	1.82%
	Teucrium Soybean Fund	SOYB	21.68	25	4	9	15	20	16	18	23	11	18	11	14	17	19	13	27	23	28	29	D2	5	AF	BF	- 4	4.58%	1.00%	-0.37%
	Teucrium Sugar Fund	CANE	11.65	10	14	4	7	4	9	25	28	6	22	30	30	30	30	26	28	28	29	28	U2	3	BR	BF	+ 9	-4.82%	-5.69%	0.70%
EF-74	Multi-Class Income				14	9	13	14	14	15	15	19	22	22	22	22	20	19	21	21	21	21	D2	2	BF	BF	- 2	0.47%	-3.99%	-1.83%
	First Trust Senior Loan Fund	FTSL	45.15	2,341	6	7	11	8	7	9	12	13	20	16	17	18	16	11	14	14	14	14	D2	1	BF	AR	- 124	1.28%	-0.97%	-0.99%
	Invesco CEF Income Composite ETF	PCEF	17.67	730	18	17	16	11	9	10	11	10	13	14	13	14	14	12	14	14	16	12	D3	1	BF	BF	- 69	2.08%	-6.16%	-5.97%
	Amplify High Income ETF	YYY	10.60	503	18	17	16	11	9	10	17	12	18	17	19	18	18	16	20	20	21	14	D3	1	BF	BF	- 70	1.00%	-6.94%	-5.69%
	Multi-Asset Diversified Income Index Fd	MDIV	15.26	424	16	9	10	9	7	9	10	13	20	18	19	21	17	17	17	18	19	15	D2	2	BF	BR	- 89	-1.23%	-5.84%	-3.14%
	Invesco Zacks Multi-Asset Income ETF	CVY	23.15	103	22	18	16	11	9	13	17	19	21	21	19	19	15	19	21	24	25	16	D3	4	BF	BF	- 91	0.46%	-7.58%	-7.62%
	First Trust S&P International Dividend / FID		16.96	86	3	6	3	5	5	5	17	19	22	29	24	25	24	27	23	22	22	18	U3	2	AR	AR	- 5	2.42%	-2.05%	7.29%
	SPDR SSgA Income Allocation ETF	INKM	30.88	70	11	8	13	8	8	10	13	19	22	22	24	23	21	19	21	21	20	16	D2	2	BF	BR	- 69	0.14%	-2.56%	0.26%
	First Trust High Income Strategic Focu	HISF	43.40	46	8	4	9	8	7	9	12	19	22	22	24	25	24	19	22	21	20	18	U3	3	BF	BR	- 8	-1.83%	-1.51%	0.93%
	Highland iBoxx Senior Loan ETF	SNLN	14.52	30	11	7	8	8	7	9	11	17	20	19	19	20	18	13	16	15	16	15	D2	2	BF	BR	- 74	-0.06%	-2.53%	-1.51%
	LEVERAGED/MISC																													
EF-75	Leveraged Long				29	29	26	25	25	25	24	10	10	20	21	14	19	29	25	28	26	27	D3	5	BF	BF	- 6	4.87%	-15.19%	-14.05%
	ProShares UltraPro QQQ	TQQQ	48.58	20,032	30	30	30	30	30	30	29	6	3	8	7	4	4	7	4	3	4	2	D3	3	BF	BF	- 107	18.23%	-21.27%	-36.58%
	Direxion Daily Semiconductor Bull 3x S	SOXL	10.23	8,085	30	30	30	30	30	30	30	30	30	30	30	20	21	30	30	30	30	30	D3	8	BF	BF	+ 32	17.18%	-48.17%	-63.43%
	ProShares Ultra QQQ	QLD	81.41	5,764	30	30	30	30	30	30	17	7	6	9	9	6	6	8	6	4	6	3	D3	3	BF	BF	- 109	13.37%	-12.62%	-23.34%
	ProShares Ultra S&P 500	SSO	74.01	4,474	30	30	30	30	29	28	17	10	9	12	11	9	10	12	10	7	9	5	D3	3	BF	BF	- 72	10.18%	-11.54%	-18.12%
	Direxion Daily 20+ Year Treasury Bull 3	TMF	38.31	4,300	26	1	20	11	21	27	17	30	30	30	30	30	30	30	30	30	30	30	U1	1	BF	BF	+ 22	-18.80%	-11.09%	3.41%
	Direxion Daily S&P 500 Bull 3x Shares	SPXL	115.74	3,709	30	30	30	30	30	30	23	8	3	6	2	1	2	13	3	4	1	2	D3	5	BF	BF	- 18	14.03%	-19.29%	-29.03%
	ProShares UltraPro S&P500	UPRO	61.08	3,567	30	30	30	30	30	30	17	9	7	10	8	6	8	12	8	5	7	3	D3	4	BF	BF	- 71	13.49%	-18.89%	-28.56%
	Direxion Daily Financial Bull 3x Shares	FAS	123.28	2,016	30	30	20	11	27	13	2	4	3	2	2	3	3	11	5	3	4	2	D2	3	BF	BR	- 70	14.73%	-15.50%	-12.23%
	Direxion Daily Technology Bull 3x Shar	TECL	47.45	1,950	30	30	30	30	30	30	30	19	9	22	28	8	12	18	8	5	8	5	D3	5	BF	BF	+ 6	21.51%	-27.32%	-44.50%
	Direxion Daily Small Cap Bull 3x Share	TNA	21.82	1,495	30	30	30	30	30	30	30	30	30	30	29	24	15	24	30	23	25	5	D3	7	BF	BF	+ 7	2.35%	-29.26%	-44.39%
	Direxion Daily FTSE China Bull 3X Sha	YINN	30.08	1,194	19	10	1	1	1	1	1	1	1	1	1	5	22	30	14	7	2	4	D1	1	BF	BR	- 2	-4.57%	-38.39%	30.16%
	ProShares Ultra Financials	UYG	76.90	723	27	29	16	11	21	13	2	5	5	4	4	5	4	10	6	5	6	3	D2	3	BF	BR	- 71	10.70%	-8.71%	-5.73%
	ProShares Ultra Semiconductors	USD	37.78	688	30	30	30	30	30	30	30	19	13	30	30	5	5	7	3	5	13	10	D3	5	BF	BF	+ 6	29.43%	-23.94%	-42.17%
	ProShares Ultra Silver	AGQ	38.54	620	11	27	1	1	1	2	27	2	4	6	4	25	23	8	30	30	30	30	D1	1	BF	BF	- 2	16.54%	-14.36%	0.44%
	Direxion Daily S&P Biotech Bull 3X Sha	LABU	44.14	540	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	D3	18	BF	BF	+ 18	-0.68%	-42.52%	-49.45%
	ProShares Ultra Gold	UGL	135.87	510	1	1	1	1	1	1	1	1	1	1	1	1	2	1	10	9	12	8	U3	13	AR	AR	+ 12	12.67%	15.45%	37.31%
	ProShares Ultra Technology	ROM	47.84	474	30	30	30	30	30	30	12	10	21	24	9	12	13	10	6	9	6		D3	5	BF	BF	+ 5	16.26%	-16.44%	-28.93%
	ProShares Ultra Bloomberg Crude Oil	UCO	20.56	374	30	29	22	26	29	30	27	22	20	22	12	5	1	1	5	20	29	30	D3	2	BF	BF	- 7	-4.99%	-15.84%	-31.76%
	ProShares Ultra Dow30	DDM	82.62	364	28	29	28	28	29	13	10	19	10	11	9	10	12	19	15	12	13	6	D3	4	BF	BF	- 71	9.05%	-7.62%	-10.33%
	ProShares Ultra Russell2000	UWM	27.95	270	30	30	30	30	30	30	30	30	22	22	20	15	19	29	18	20	20	6	D3	6	BF	BF	+ 6	2.23%	-19.15%	-30.42%
	Invesco DB US Dollar Index Bullish Fur	UUP	27.45	251	16	7	16	16	16	17	5	11	15	8	8	12	5	1	3	1	5	11	D3	1	BF	BF	- 25	-2.87%	-3.31%	-7.76%
	ProShares UltraPro Russell2000	URTY	25.60	241	30	30	30	30	30	30	30	30	30	29	24	15	24	30	23	25	22	5	D3	7	BF	BF	+ 7	2.20%	-29.40%	-44.44%
	WisdomTree Bloomberg US Dollar Bull	USDU	26.41	211	13	6	12	14	14	16	5	11	17	9	8	14	5	1	3	1	5	11	D2	3	BF	BR	- 97	-2.47%	-2.19%	-5.41%
	ProShares Ultra Bloomberg Natural Gas	BOIL	63.33	195	1	1	1	1	1	1	1	1	1	1	4	1	1	1	5	1	5	13	D1	1	BR	AR	+ 132	-13.35%	-28.38%	-2.31%
	Direxion Daily S&P Oil & Gas Exp. & Pr	GUSH	17.05	192	30	30	27	28	30	30	30	30	22	30	30	14	5	10	27	30	30	29	D3	7	BF	BF	+ 38	-0.47%	-31.25%	-44.24%
	Direxion Daily Energy Bull 2x Shares	ERX	45.06	185	30	30	3	6	9	29	13	17	22	30	30	18	8	24	29	30	30	28	D3	3	BF	BF	+ 16	-2.02%	-24.04%	-23.18%

			Relative Strength Ranking - RSR																				% Price Δ							
Group or Corp	Ticker	Price	MKT Cap(MM)	04/	04/	03/	03/	03/	03/	02/	02/	02/	02/	01/	01/	01/	01/	01/	12/	12/	12/	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month		
				11	04	28	21	14	07	28	21	14	07	31	24	17	10	03	31	27	20									
EF-75	Leveraged Long																													
	Direxion Daily Healthcare Bull 3x Share	CURE	85.72	124	30	29	23	11	25	6	11	30	30	30	30	30	30	30	30	30	30	D3	2	BF	BF	+ 20	2.12%	-17.56%	-10.47%	
	Direxion Daily S&P 500 Bull 2x Shares	SPUU	118.49	122	30	30	30	30	29	29	17	10	9	12	11	9	10	12	10	7	9	5	D3	3	BF	BF	- 72	10.28%	-11.40%	-18.02%
	Direxion Daily MSCI Brazil Bull 2X Shar	BRZU	47.86	110	17	17	5	3	7	29	30	30	22	30	30	30	30	30	30	30	30	U3	1	BF	BF	+ 53	0.97%	-10.07%	13.75%	
	ProShares Ultra MidCap400	MVV	49.64	109	30	30	30	30	30	30	30	30	22	19	13	12	12	23	18	18	20	6	D3	6	BF	BF	+ 5	4.16%	-15.55%	-25.72%
	BetaPro Crude Oil Leveraged Daily Bul	HZOZF	7.75	76	19	16	27	30	26	29	30	30	30	30	30	30	25	30	30	30	30	D3	1	BF	BF	- 12	0.00%	-9.88%	0.00%	
	Direxion MSCI Daily South Korea Bull 3	KORU	37.12	75	29	30	30	24	28	30	30	30	30	30	30	30	30	30	30	30	30	D3	2	BF	BF	+ 36	14.50%	-14.49%	-6.15%	
	Direxion Daily MSCI India Bull 2X Shar	INDL	53.61	75	19	25	26	28	30	30	30	30	30	30	30	30	30	30	30	30	30	U1	1	AF	BF	+ 20	6.07%	6.64%	-4.34%	
	ProShares Ultra Health Care	RXL	42.66	73	26	25	18	11	9	6	10	19	30	29	24	30	30	30	30	30	30	D2	1	BF	BF	+ 20	1.91%	-11.40%	-5.58%	
	ProShares Ultra Yen	YCL	23.83	64	1	1	7	6	6	4	23	18	30	29	30	30	30	30	30	30	30	U3	2	AR	AR	+ 11	4.66%	6.86%	18.44%	
	ProShares Ultra Oil & Gas	DIG	29.21	61	30	30	3	6	9	29	13	18	22	30	30	18	8	24	29	30	30	D3	3	BF	BF	+ 15	-1.85%	-23.96%	-23.09%	
	Direxion Daily MSCI Emerging Markets	EDC	25.80	59	29	30	20	7	6	7	30	7	13	30	30	30	30	30	30	30	30	D3	2	BF	BF	+ 17	6.09%	-21.60%	-3.58%	
	Direxion Daily Mid Cap Bull 3x Shares	MIDU	31.63	57	30	30	30	30	30	30	30	30	22	22	12	9	10	29	22	22	22	4	D3	6	BF	BF	+ 6	5.50%	-24.56%	-38.35%
	ProShares Ultra Real Estate	URE	56.04	55	28	26	23	27	26	13	17	29	30	30	30	30	30	30	30	30	30	D3	3	BF	BR	+ 13	-0.74%	-11.86%	-2.71%	
	Direxion Daily 7-10 Year Treasury Bull	TYD	24.02	50	10	1	4	6	7	10	11	30	30	30	30	30	30	30	30	30	30	U3	2	BR	BF	+ 20	-9.56%	-3.03%	7.03%	
	Direxion Daily Real Estate Bull 3x Shar	DRN	8.07	50	30	30	28	30	30	28	17	30	30	30	30	30	30	30	30	30	30	D3	3	BF	BF	+ 13	-1.82%	-18.72%	-6.88%	
	ProShares Ultra Nasdaq Biotechnology	BIB	40.24	45	30	30	29	27	27	28	30	19	30	30	30	30	30	30	30	30	30	D3	3	BF	BF	+ 19	-0.52%	-24.13%	-19.45%	
	ProShares Ultra 7-10 Year Treasury	UST	41.73	34	6	1	4	6	7	9	11	19	30	29	30	30	30	30	29	28	29	U3	2	BR	BR	+ 20	-7.25%	-0.94%	6.20%	
	Direxion Daily FTSE Europe Bull 3X Sh	EURL	23.56	33	10	25	1	2	2	2	3	5	6	22	24	25	30	30	30	30	30	D1	1	BF	BF	- 6	13.76%	-19.23%	16.96%	
	Direxion Daily Retail Bull 3x Shares	RETL	5.08	32	30	30	30	30	30	30	30	30	22	30	12	13	24	11	11	5	6	2	D3	5	BF	BF	+ 6	2.83%	-11.45%	-47.15%
	ProShares Ultra Basic Materials	UYM	20.24	29	30	30	29	30	30	29	30	30	30	30	30	30	30	30	30	30	30	D3	3	BF	BF	+ 16	6.09%	-13.42%	-8.98%	
	BetaPro S&P/TSX Capped Financials 2	HFU	18.96	24	27	24	24	26	27	26	4	8	6	5	1	1	1	2	1	1	1	D3	4	BF	BR	- 19	0.00%	-5.86%	-10.96%	
	ProShares Ultra SmallCap600	SAA	17.08	22	30	30	30	30	30	30	30	30	29	29	19	17	17	29	22	22	21	6	D3	6	BF	BF	+ 7	0.77%	-19.17%	-31.57%
	ProShares UltraPro MidCap400	UMDD	15.95	20	30	30	30	30	30	30	30	30	22	22	12	9	10	29	22	22	22	4	D3	6	BF	BF	+ 6	4.95%	-24.49%	-38.24%
	ProShares Ultra Industrials	UXI	31.79	19	29	30	29	28	29	27	25	30	21	17	12	9	12	24	22	17	17	9	D3	6	BF	BR	- 69	12.67%	-9.78%	-11.31%
ProShares Ultra FTSE China 50	XPP	20.21	14	9	7	1	1	1	1	2	2	2	4	6	9	12	28	10	5	7	5	D1	1	BR	AR	- 48	-0.42%	-25.52%	25.04%	
ProShares Ultra MSCI Emerging Marke	EET	48.22	13	24	26	17	7	6	6	28	8	13	29	30	25	30	30	29	28	29	22	D2	1	BF	BF	- 4	4.78%	-13.84%	-0.20%	
ProShares Ultra MSCI EAFE	EFO	43.37	11	13	21	2	3	2	2	7	9	11	22	24	24	30	30	30	30	30	D1	1	BF	BF	- 6	10.00%	-12.39%	7.33%		
ProShares Ultra High Yield	UJB	69.19	10	16	10	15	8	9	8	10	12	18	17	19	18	16	14	16	16	17	15	D2	2	BF	BR	- 72	-0.34%	-5.04%	-3.21%	
ProShares Ultra Euro	ULE	12.55	6	1	1	3	4	1	2	30	30	30	30	30	30	30	30	30	30	29	30	U3	2	AR	AR	+ 11	8.38%	9.27%	23.08%	
ProShares Ultra MSCI Brazil Capped	UBR	15.81	2	17	16	5	3	7	29	30	30	21	30	30	30	30	30	30	30	30	U3	1	BF	BF	+ 53	0.69%	-10.28%	13.18%		
EF-76	Leveraged Short				1	1	2	5	3	7	23	29	30	29	28	30	27	3	18	11	19	17	U3	4	AR	AR	+ 6	-7.18%	8.22%	5.84%
	ProShares UltraPro Short QQQ	SQQQ	36.22	2,418	1	1	1	2	2	3	28	30	30	30	30	30	30	30	30	30	30	U3	2	AR	AR	+ 116	-28.08%	0.05%	15.45%	
	ProShares Short S&P500	SH	46.01	1,353	1	1	1	4	4	5	17	19	30	29	24	30	24	14	23	25	22	28	U3	4	AR	AR	+ 71	-6.20%	3.86%	8.12%
	ProShares UltraPro Dow30	UDOW	74.08	622	30	30	30	30	30	28	11	19	8	9	7	8	11	27	16	10	12	5	D3	5	BF	BF	- 71	12.89%	-12.96%	-17.53%
	ProShares Short QQQ	PSQ	41.08	613	1	1	1	4	3	5	17	29	30	30	30	30	29	19	29	28	29	30	U3	3	AR	AR	+ 113	-8.26%	3.38%	9.81%
	ProShares UltraShort Bloomberg Natur	KOLD	23.76	510	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	D3	18	AF	BF	- 22	6.74%	20.61%	-31.70%
	ProShares UltraPro Short S&P500	SPXU	26.52	478	1	1	1	2	2	3	28	30	30	30	30	30	30	23	30	30	30	30	U3	3	AR	AR	+ 123	-20.86%	4.95%	15.48%
	Direxion Daily Semiconductor Bear 3x	SOXS	23.86	463	1	1	1	2	2	2	4	30	30	22	30	30	30	26	30	29	15	30	U3	4	BR	AR	+ 124	-47.58%	-1.41%	12.15%
	ProShares UltraShort S&P500	SDS	22.46	404	1	1	1	2	2	4	17	29	30	30	30	30	30	18	29	29	29	30	U3	3	AR	AR	+ 72	-13.15%	5.52%	13.20%
	Direxion Daily S&P 500 Bear 3x Share	SPXS	7.39	394	1	1	1	2	2	3	26	30	30	30	30	30	30	23	30	30	30	30	U3	3	AR	AR	+ 123	-20.88%	4.82%	15.86%
	ProShares UltraShort 20+ Year Treasu	TBT	36.53	337	1	14	11	11	7	7	27	9	10	9	6	5	4	2	3	3	5	6	D2	3	AR	AR	- 21	14.16%	7.01%	-4.27%
	Direxion Daily Small Cap Bear 3x Shar	TZA	19.56	276	1	1	1	1	1	1	3	6	30	30	30	30	30	8	29	28	29	30	U3	5	AR	AR	- 4	-11.13%	19.43%	44.74%
	ProShares UltraShort QQQ	QID	37.82	268	1	1	1	2	2	3	17	30	30	30	30	30	30	29	30	30	30	30	U3	2	AR	AR	+ 114	-17.64%	3.45%	15.10%
	ProShares Short Russell2000	RWM	22.14	204	1	1	1	2	2	2	6	9	22	22	24	25	23	10	21	18	20	28	U3	6	AR	AR	- 6	-2.68%	8.37%	16.65%
	Direxion Daily 20+ Year Treasury Bear	TMV	39.21	196	1	18	11	11	7	6	29	7	7	7	3	3	2	2	2	2	3	5	D2	4	AR	AR	- 21	21.21%	10.34%	-6.86%

				Relative Strength Ranking - RSR																				% Price Δ																
		MKT	04/11	04/04	03/28	03/21	03/14	03/07	02/28	02/21	02/14	02/07	01/31	01/24	01/17	01/10	01/03	12/31	12/27	12/20	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month													
Group or Corp	Ticker	Price	Cap(MM)																																					
EF-76	Leveraged Short																																							
	ProShares UltraPro Short Dow30	SDOW	55.56	186	1	1	1	2	2	5	29	19	30	30	30	30	10	27	28	29	30	U3	4	AR	AF	+ 71	-17.14%	2.74%	6.04%											
	ProShares Short Dow30	DOG	27.96	133	1	1	2	5	4	7	17	19	29	29	29	25	24	11	20	22	22	26	U3	5	AR	AR	+ 70	-5.19%	2.47%	4.29%										
	ProShares Short High Yield	SJB	16.50	133	2	2	9	9	7	10	17	19	22	22	24	24	21	12	19	16	18	20	U3	3	AR	AR	+ 70	0.00%	2.65%	2.40%										
	Direxion Daily Financial Bear 3X Share	FAZ	6.30	109	1	1	19	11	7	13	30	30	30	30	30	30	30	29	30	30	30	30	U2	2	AR	BF	+ 71	-18.60%	2.19%	-5.49%										
	ProShares UltraShort Bloomberg Crude	SCO	21.22	107	1	1	7	4	1	1	24	29	30	30	30	30	30	30	30	27	19	12	U3	1	AR	AR	+ 8	4.12%	14.21%	37.88%										
	Direxion Daily Technology Bear 3X Share	TECS	58.11	98	1	1	1	2	2	2	9	30	30	30	30	30	30	29	30	30	30	30	U3	3	AR	AR	+ 123	-33.54%	0.55%	17.48%										
	ProShares UltraPro Short Russell2000	SRTY	28.40	87	1	1	1	1	1	1	3	6	30	30	30	30	30	9	29	28	29	30	U3	5	AR	AR	- 4	-11.08%	19.48%	44.45%										
	Invesco DB US Dollar Index Bearish Fund	UDN	18.28	84	1	1	4	6	6	5	24	24	27	29	29	27	29	27	28	27	26	26	U3	3	AR	AR	+ 20	3.04%	3.92%	10.52%										
	ProShares Short 20+ Year Treasury	TBF	24.75	72	1	8	9	9	7	8	17	10	13	13	11	11	9	4	7	6	9	11	D1	1	AR	AR	- 22	7.47%	4.26%	-1.31%										
	ProShares UltraShort Dow30	DXD	29.27	63	1	1	1	3	2	6	27	19	30	30	30	30	29	10	23	27	27	30	U3	4	AR	AF	+ 71	-10.95%	3.32%	6.06%										
	Direxion Daily Real Estate Bear 3X Share	DRV	31.40	59	1	1	3	4	4	10	29	11	15	13	9	12	7	2	5	4	4	22	U3	2	AR	AF	+ 5	-2.58%	14.10%	-4.08%										
	ProShares UltraShort Russell2000	TWM	60.17	51	1	1	1	2	2	2	4	8	22	29	29	30	28	9	27	24	25	30	U3	5	AR	AR	- 5	-6.22%	15.01%	31.51%										
	ProShares UltraShort Gold	GLL	11.85	33	30	26	30	30	30	30	30	30	30	30	30	30	30	29	27	25	26	28	D3	13	BF	BF	- 12	-11.90%	-14.38%	-28.57%										
	ProShares UltraShort Euro	EUO	29.35	31	27	14	21	21	23	25	2	5	10	2	2	8	1	1	1	1	1	1	D3	2	BF	BF	- 12	-6.80%	-7.70%	-17.90%										
	ProShares UltraPro Short 20+ Year Treasury	TTT	77.44	27	1	20	14	11	7	7	29	8	7	8	3	3	3	2	2	2	3	5	D3	1	AR	AR	- 21	23.17%	10.34%	-7.42%										
	ProShares UltraShort Real Estate	SRS	54.91	26	1	1	3	5	4	9	27	11	15	14	11	13	9	2	7	5	6	21	U3	2	AR	AF	- 12	-1.13%	9.99%	-1.29%										
	ProShares UltraShort Yen	YCS	40.53	22	23	11	17	18	18	23	14	25	11	15	2	1	1	1	1	1	1	1	D3	2	BF	BF	- 6	-4.41%	-6.55%	-15.73%										
	Direxion Daily Energy Bear 2X Shares	ERY	26.89	22	1	1	25	26	8	4	29	29	22	15	12	30	30	10	11	4	4	13	U3	2	AR	AR	+ 2	-2.64%	18.94%	14.94%										
	Direxion Daily MSCI Emerging Markets	EDZ	8.54	20	1	1	16	27	27	29	12	30	30	22	14	22	10	3	9	9	10	22	U2	1	AF	AR	+ 6	-12.59%	14.08%	-11.01%										
	ProShares UltraShort FTSE Europe	EPV	34.40	19	17	1	29	30	30	30	30	30	30	29	24	25	10	3	4	4	4	9	U1	1	AF	BF	+ 6	-11.36%	8.05%	-16.95%										
	ProShares UltraShort Oil & Gas	DUG	44.29	18	1	1	25	26	9	5	29	29	22	15	12	30	30	10	11	4	4	14	U3	2	AR	AR	+ 4	-2.60%	19.12%	14.94%										
	ProShares UltraShort Silver	ZSL	33.03	17	18	1	30	30	30	30	29	30	30	30	30	30	30	30	19	3	17	20	D3	6	BF	BF	+ 58	-14.14%	8.97%	-10.68%										
	ProShares Short MSCI EAFE	EFZ	15.90	14	6	1	19	24	22	28	27	19	30	22	21	23	13	6	10	10	9	14	U1	1	AR	AR	+ 5	-5.56%	5.14%	-5.12%										
	ProShares UltraShort Financials	SKF	35.82	13	1	1	14	11	7	13	30	30	30	30	30	30	30	24	30	30	30	30	U2	3	AR	BF	+ 71	-11.90%	3.44%	-1.16%										
	ProShares Short MSCI Emerging Markets	EUM	26.81	12	2	1	12	11	9	13	11	28	22	19	17	21	14	7	13	13	14	18	U2	1	AR	AR	+ 4	-3.26%	5.98%	-1.66%										
	ProShares Short 7-10 Year Treasury	TBX	28.90	12	4	8	14	11	9	10	17	12	17	14	13	14	12	7	12	11	13	13	D2	3	AR	AR	- 22	4.45%	2.06%	-1.26%										
	ProShares Short Real Estate	REK	18.08	12	1	1	4	6	5	9	17	12	18	14	13	15	12	5	11	9	11	18	U3	3	AR	AF	- 13	-0.16%	5.61%	0.60%										
	ProShares Short Financials	SEF	36.12	10	1	1	13	9	7	10	30	30	30	30	30	30	30	18	28	28	29	29	U2	3	AR	AF	+ 71	-5.89%	2.46%	0.66%										
	ProShares Ultrashort Semiconductors	SSG	28.19	9	2	1	1	3	6	2	17	30	30	30	30	30	30	30	30	30	30	30	U3	2	BR	BF	+ 123	-35.15%	2.51%	8.10%										
	ProShares UltraShort FTSE China 50	FXP	13.68	9	27	16	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	D3	13	AF	BF	+ 51	-5.26%	23.07%	-30.42%										
	ProShares UltraShort MSCI Brazil Capital	BZQ	15.12	8	10	3	26	30	26	7	4	19	30	14	14	7	3	2	2	2	2	2	D3	3	AR	AR	- 48	-2.64%	6.76%	-18.58%										
	ProShares Short S&P Mid Cap400	MYX	21.46	6	1	1	1	3	2	3	9	10	22	22	24	25	24	11	19	17	19	28	U3	6	AR	AR	- 5	-3.51%	5.87%	12.89%										
	ProShares UltraShort Consumer Services	SCC	11.96	6	1	1	1	1	2	2	17	30	30	30	30	30	30	30	30	30	30	30	U3	2	AR	AF	+ 116	-10.95%	0.34%	26.34%										
	ProShares UltraShort Technology	REW	12.34	5	1	1	1	2	2	2	9	30	30	30	30	29	30	30	23	30	30	30	U3	4	AR	AR	+ 115	-20.69%	6.05%	18.09%										
	ProShares UltraShort MSCI Emerging Markets	IEEV	17.00	5	1	1	14	11	21	25	11	30	30	21	14	22	12	4	11	11	12	22	U2	2	AR	AR	+ 6	-7.17%	10.93%	-5.21%										
	BetaPro S&P/TSX Capped Financials - 2x	*HFD	5.11	5	1	1	4	6	2	8	28	25	29	29	29	29	27	19	25	25	25	25	U3	5	AR	AR	+ 6	2.40%	9.39%	14.86%										
	ProShares UltraPro Short MidCap400	MSDD	11.89	4	1	1	1	1	1	2	5	7	29	30	30	30	30	11	26	25	26	30	U3	5	AR	AR	+ 2	-14.10%	11.30%	30.66%										
	ProShares UltraShort Nasdaq Biotech	BIS	21.38	4	1	1	1	5	4	6	9	19	12	11	12	12	4	2	3	3	3	5	U3	3	AR	AR	- 17	-1.97%	25.48%	17.22%										
	ProShares Short FTSE China 50	YXI	12.28	4	15	8	29	30	30	30	30	30	30	30	30	30	30	19	30	30	30	30	D3	12	AF	BF	+ 50	-1.74%	12.24%	-14.84%										
	BetaPro S&P/TSX Capped Energy - 2x	*HED	21.58	4	1	1	21	24	3	1	6	28	29	27	28	30	30	30	29	22	9	2	U3	2	AR	AR	+ 27	2.84%	19.62%	39.83%										
	ProShares UltraShort SmallCap600	SDD	21.03	3	1	1	1	1	1	2	3	7	22	22	29	30	29	8	23	22	22	30	U3	6	AR	AR	- 5	-4.55%	14.86%	32.85%										
	BetaPro Gold Bullion - 2x Daily Bear ET	*HBD	12.78	2	30	26	30	30	30	30	30	30	30	30	30	30	30	30	30	29	29	30	D3	14	BF	BF	+ 74	-9.98%	-11.52%	-26.38%										
	ProShares UltraShort MSCI EAFE	EFU	14.23	2	11	1	25	30	29	30	30	30	30	22	23	24	10	3	6	6	5	11	U1	1	AF	BR	+ 6	-11.78%	8.69%	-12.26%										
	ProShares UltraShort MidCap400	MZZ	12.04	2	1	1	1	2	2	2	6	8	22	29	30	30	30	11	23	22	22	30	U3	5	AR	AR	- 4	-8.51%	9.38%	22.42%										
	ProShares UltraShort Industrials	SIJ	8.80	1	1	1	1	3	3	5	13	10	22	29	30	30	30	9	17	20	22	29	U3	6	AR	AF	+ 69	-14.20%	3.84%	4.72%										
	ProShares UltraShort Utilities	SDP	16.08	1	2	1	9	9	8	5	17	30	22	22	24	30	28	9	21	15	16	25	U3	3	AR	AF	+ 56	-4.83%	4.48%	-3.88%										

				Relative Strength Ranking - RSR																			% Price Δ							
Group or Corp		Ticker	Price	MKT Cap(MM)	04/	04/	03/	03/	03/	03/	02/	02/	02/	02/	01/	01/	01/	01/	01/	12/	12/	12/	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month	
					11	04	28	21	14	07	28	21	14	07	31	24	17	10	03	31	27	20								
EF-76	Leveraged Short																													
	ProShares UltraShort Basic Materials	SMN	17.14	1	1	1	1	2	2	3	6	7	13	9	11	13	9	2	2	3	3	8	U3	3	AR	AR	- 16	-9.36%	8.11%	2.01%
	ProShares UltraShort Consumer Good	SZK	12.05	1	9	1	14	5	5	26	30	28	21	12	11	10	6	3	8	11	13	22	U3	2	BF	BF	- 13	-4.94%	-3.81%	-10.47%
EF-77	Misc.				14	14	18	17	16	18	21	16	16	11	14	13	15	10	12	17	16	18	D3	2	BF	BF	- 7	2.11%	-2.92%	-3.60%
	First Trust Long/Short Equity ETF	FTLS	62.16	1,874	16	15	19	11	9	13	11	11	12	13	12	13	12	10	11	10	12	10	D3	1	BF	BF	- 122	2.02%	-2.86%	-5.48%
	VanEck Uranium+Nuclear Energy ETF	NLR	73.85	965	27	29	30	29	30	30	30	29	11	2	5	1	6	6	3	23	17	21	D3	7	BF	BF	- 28	9.04%	-4.60%	-12.59%
	SPDR SSgA Multi-Asset Real Return E	RLY	27.09	459	12	10	7	8	11	17	18	14	17	20	22	19	16	18	23	24	25	26	D2	1	BF	BF	- 70	2.15%	-3.87%	-0.73%
	IQ Merger Arbitrage ETF	MNA	34.63	229	2	3	4	6	6	5	7	11	19	17	19	18	16	7	11	12	14	14	U3	18	AR	AR	+ 14	2.12%	1.79%	3.99%
	iShares Morningstar Multi-Asset Incom	IYLD	19.45	113	10	7	7	7	7	9	17	17	20	21	23	24	24	19	23	22	22	19	D1	1	BF	BR	- 8	-0.36%	-3.05%	1.13%
	Invesco S&P 500 Downside Hedged E	PHDG	33.78	105	24	18	22	24	23	13	17	19	19	18	20	21	21	14	19	16	18	15	D3	5	BF	BF	- 2	-0.35%	-6.57%	-10.04%
	AdvisorShares STAR Global Buy-Write	VEGA	41.70	60	14	15	18	16	16	17	11	14	15	14	17	17	16	14	15	16	12	15	D3	1	BF	BF	- 71	3.04%	-2.94%	-2.60%
	ProShares Hedge Replication ETF	HDG	47.23	23	14	10	16	11	9	10	17	17	20	18	19	21	19	14	17	16	18	16	D3	2	BF	BF	- 71	0.36%	-3.63%	-3.42%
	ProShares Inflation Expectations ETF	RINF	32.08	19	10	8	14	11	9	10	17	13	17	14	13	14	14	9	13	13	15	14	D2	3	BF	BR	- 26	0.99%	-1.04%	-3.36%

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