



VERMILION RESEARCH, LLC

ETF Navigator

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		Relative Strength Ranking - RSR																				% Price Δ								
		MKT	04/18	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	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month			
Group or Corp	Ticker	Price	Cap(MM)																											
EF	INDEX																													
EF-01	Broad Index			24	23	24	25	24	24	24	18	16	13	10	9	10	10	12	10	10	9	D3	6	BF	BF	- 19	-0.30%	-6.39%	-11.76%	
	Vanguard Total Stock Market ETF	VTI	258.75	418,887	25	22	25	25	24	24	13	17	11	12	13	12	13	12	11	12	10	12	D3	4	BF	BF	- 117	-1.14%	-6.88%	-12.34%
	iShares Core S&P Total U.S. Stock Ma	ITOT	114.81	60,798	25	23	25	25	24	24	13	17	11	12	13	12	13	12	11	12	10	12	D3	4	BF	BF	- 117	-1.02%	-6.93%	-12.42%
	Schwab U.S. Broad Market ETF	SCHB	20.25	29,114	25	22	25	25	24	24	13	17	11	12	13	12	13	12	11	12	10	12	D3	4	BF	BF	- 116	-1.12%	-6.97%	-12.50%
	Vanguard Extended Market ETF	VXF	161.89	18,798	28	28	28	28	28	28	29	26	19	11	11	11	11	10	11	11	10	10	D3	5	BF	BF	- 71	0.77%	-8.34%	-17.72%
	iShares Russell 3000 ETF	IWV	298.97	13,693	25	22	25	25	24	24	13	17	11	12	13	12	13	12	11	12	11	12	D3	4	BF	BF	- 117	-1.20%	-6.92%	-12.34%
	SPDR Portfolio S&P 1500 Composite S	SPTM	63.99	8,965	24	21	24	24	24	23	13	17	11	12	14	12	13	12	12	12	11	12	D3	4	BF	BF	- 117	-1.27%	-6.69%	-11.98%
	Schwab 1000 Index ETF	SCHK	25.34	3,697	24	21	25	25	24	23	13	13	11	12	13	12	13	12	11	12	10	12	D3	4	BF	BF	- 116	-1.32%	-6.84%	-12.18%
	Vanguard Russell 3000 ETF	VTHR	232.34	2,806	25	22	25	25	24	23	13	17	11	12	13	12	13	12	11	12	10	12	D3	4	BF	BF	- 117	-0.97%	-6.86%	-12.29%
	FlexShares Morningstar US Market Fac	TILT	192.60	1,512	25	24	25	25	24	25	13	17	13	12	14	12	13	13	12	13	12	13	D3	5	BF	BF	- 74	-0.67%	-7.19%	-12.83%
	iShares Russell 2500 ETF	SMMD	58.73	1,216	27	28	27	27	27	28	29	29	19	19	16	14	14	15	15	15	14	15	D3	6	BF	BF	- 70	1.10%	-7.54%	-15.81%
	Schwab Fundamental US Broad Marke	FNDB	21.47	827	21	20	20	20	11	9	13	11	12	15	15	14	14	15	15	16	15	16	D3	5	BF	BF	- 73	-0.14%	-6.83%	-9.79%
	Vident U.S. Equity Strategy ETF	VUSE	54.47	539	20	19	22	24	23	23	13	11	10	10	11	12	13	12	12	12	11	12	D3	3	BF	BF	- 125	-0.19%	-4.60%	-9.57%
	iShares MSCI USA Size Factor ETF	SIZE	136.75	301	21	24	20	21	21	23	13	17	18	17	14	13	14	14	14	15	14	15	D3	5	BF	BF	- 71	1.10%	-6.06%	-10.24%
	ALPS Barron's 400 ETF	BFOR	65.95	135	24	25	25	25	26	26	27	24	24	14	9	8	7	8	12	10	9	9	D3	7	BF	BF	- 73	0.84%	-5.85%	-12.66%
	Invesco Dynamic Market ETF	PWC	45.59	107	17	16	17	18	11	9	10	11	19	21	17	19	20	17	19	21	17	19	D3	4	BF	BR	- 71	0.61%	-2.75%	-5.07%
	First Trust Dividend Strength ETF	FTDS	47.76	24	19	19	19	19	11	9	13	17	19	22	22	19	20	17	19	23	22	22	D3	5	BF	BF	- 73	0.58%	-4.75%	-8.46%
	RiverFront Dynamic US Flex-Cap ETF	RFFC	52.51	22	24	22	23	24	24	23	13	17	13	12	13	12	13	14	12	14	13	14	D3	4	BF	BF	- 117	-1.06%	-6.78%	-11.60%
EF-02	Equal Weight			21	20	20	21	21	21	19	16	15	15	13	12	12	12	15	14	15	14	D3	6	BF	BF	- 9	-0.06%	-6.16%	-9.81%	
	Invesco S&P 500 Equal Weight ETF	RSP	162.66	67,660	20	20	20	20	11	21	13	17	19	20	18	16	17	16	19	18	15	17	D3	6	BF	BF	- 70	0.40%	-5.98%	-9.22%
	Invesco S&P MidCap Quality ETF	XMHQ	88.36	4,591	25	25	26	28	28	29	29	30	30	22	22	24	18	18	23	23	22	22	D3	8	BF	BF	+ 9	-0.03%	-4.08%	-13.47%
	First Trust Nasdaq-100 Equal Weighted	QQEW	114.57	1,656	24	23	25	24	11	23	13	17	9	11	13	13	14	14	15	16	15	16	D3	3	BF	BF	- 117	-0.56%	-7.20%	-11.32%
	iShares MSCI USA Equal Weighted ET	EUSA	88.28	1,307	20	21	20	21	21	22	13	17	17	16	14	13	14	14	14	15	14	15	D3	5	BF	BF	- 71	0.32%	-5.85%	-9.94%
	Direxion NASDAQ-100 Equal Weighted	QQQE	82.46	1,163	24	22	25	24	11	23	13	13	9	11	13	13	14	15	15	16	15	16	D3	3	BF	BF	- 117	-0.64%	-7.17%	-11.18%
	Invesco S&P 100 Equal Weight ETF	EQWL	96.36	1,085	19	18	18	17	11	9	8	8	10	12	14	12	14	15	15	15	13	15	D3	2	BF	BR	- 73	-0.20%	-6.61%	-7.26%
	Goldman Sachs Equal Weight U.S. Lar	GSEW	71.61	1,067	20	21	20	20	11	21	13	12	16	16	14	13	14	13	14	15	14	15	D3	5	BF	BF	- 71	0.35%	-6.42%	-9.96%
	Invesco Russell 1000 Equal Weight ET	EQAL	44.27	577	22	24	21	21	11	22	13	17	19	17	15	14	14	14	15	15	14	16	D3	6	BF	BF	- 70	0.96%	-6.67%	-10.92%
	Alps Equal Sector Weight ETF	EQL	39.73	502	18	18	18	10	11	9	13	10	11	16	15	14	15	15	16	16	15	16	D3	4	BF	BR	- 72	0.46%	-5.10%	-7.13%
	First Trust Dow 30 Equal Weight ETF	EDOW	33.84	213	19	16	18	18	11	9	8	8	10	12	13	12	14	14	13	14	12	13	D3	1	BF	BR	- 72	-1.63%	-6.58%	-7.83%
EF-03	Large Cap			23	20	23	24	23	22	20	13	10	9	9	8	8	9	8	7	7	7	D3	4	BF	BF	- 19	-1.29%	-6.54%	-11.29%	
	Vanguard S&P 500 ETF	VOO	483.90	571,289	24	20	23	24	23	22	13	12	11	12	14	12	13	12	11	12	10	12	D3	4	BF	BF	- 117	-1.36%	-6.67%	-11.63%
	SPDR S&P 500 ETF Trust	SPY	526.41	548,536	24	20	24	24	23	22	13	12	11	12	14	12	13	12	11	12	10	12	D3	4	BF	BF	- 117	-1.41%	-6.66%	-11.64%
	iShares Core S&P 500 ETF	IVV	528.67	536,441	24	19	24	24	23	22	13	12	11	12	14	12	13	12	11	12	10	12	D3	4	BF	BF	- 117	-1.55%	-6.69%	-11.65%
	Invesco QQQ Trust	QQQ	444.10	284,069	27	23	26	26	26	25	13	17	9	9	12	12	11	10	9	10	8	9	D3	3	BF	BF	- 113	-2.27%	-7.50%	-14.75%
	SPDR Portfolio S&P 500 ETF	SPLG	61.92	57,261	24	20	24	24	23	22	13	12	11	12	14	12	13	12	11	12	10	12	D3	4	BF	BF	- 117	-1.40%	-6.68%	-11.62%
	Schwab U.S. Large-Cap ETF	SCHX	20.79	47,568	24	21	25	24	24	23	13	13	11	12	13	12	13	12	11	12	10	12	D3	4	BF	BF	- 116	-1.38%	-6.83%	-12.06%
	Vanguard Large-Cap ETF	VV	242.47	36,152	24	20	24	24	24	23	13	12	10	12	13	12	13	12	11	12	10	12	D3	3	BF	BF	- 116	-1.22%	-6.57%	-11.63%
	iShares Russell 1000 ETF	IWB	288.89	35,923	24	21	25	24	23	23	13	13	11	12	13	12	13	12	11	12	10	12	D3	4	BF	BF	- 117	-1.21%	-6.75%	-12.06%
	SPDR Dow Jones Industrial Average E	DIA	391.36	34,104	21	17	19	20	11	21	13	11	17	12	13	12	13	14	14	15	13	14	D3	3	BF	BR	+ 2	-2.58%	-6.69%	-9.62%
	Schwab Fundamental US Large Co. In	FNDX	22.01	16,154	20	19	19	19	11	9	13	10	11	15	15	13	14	15	15	16	14	16	D3	3	BF	BF	- 73	-0.27%	-6.56%	-9.28%
	iShares S&P 100 ETF	OEF	254.04	15,700	25	20	25	25	24	23	13	11	10	11	13	12	12	12	10	10	8	10	D3	3	BF	BF	- 115	-2.36%	-7.33%	-12.88%
	Invesco S&P 500 Top 50 ETF	XLG	43.19	7,637	27	22	26	26	25	25	13	17	10	11	13	12	11	11	9	10	7	9	D3	3	BF	BF	- 113	-2.70%	-7.75%	-14.27%
	Invesco FTSE RAFI US 1000 ETF	PRF	37.76	7,124	20	18	19	19	11	9	13	10	12	15	14	13	14	14	15	16	15	16	D3	3	BF	BF	- 73	0.08%	-6.33%	-8.76%
	Vanguard Mega Cap ETF	MGC	189.47	5,828	25	19	25	25	24	23	13	11	10	11	13	12	13	12	11	11	9	12	D3	3	BF	BF	- 116	-1.95%	-7.06%	-12.21%

		Relative Strength Ranking - RSR																				% Price Δ								
Group or Corp	Ticker	Price	MKT Cap(MM)	04/18	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	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month		
EF-03	Large Cap																													
	Vanguard Russell 1000 ETF	VONE	238.80	5,282	24	21	24	24	24	23	13	13	11	12	13	12	13	12	11	12	10	12	D3	4	BF	BF	- 117	-1.35%	-6.87%	-12.05%
	iShares Dow Jones U.S. ETF	IYY	128.18	2,070	24	21	25	24	24	23	13	13	11	12	13	12	13	12	11	12	10	12	D3	4	BF	BF	- 116	-1.31%	-6.74%	-12.13%
	iShares Russell Top 200 ETF	IWL	129.41	1,462	24	19	24	24	24	22	13	11	10	11	13	12	12	12	10	11	9	11	D3	3	BF	BF	- 116	-1.85%	-6.92%	-12.09%
	First Trust Large Cap Core AlphaDEX I FEX		96.34	1,161	21	23	22	21	24	23	13	17	19	15	14	13	13	12	13	15	14	15	D3	5	BF	BF	- 72	0.67%	-5.69%	-11.00%
	Motley Fool 100 Index ETF	TMFC	52.99	1,130	25	19	26	25	24	24	22	7	6	4	6	4	4	4	2	2	1	1	D3	3	BF	BF	- 113	-2.38%	-6.18%	-12.53%
	First Trust Nasdaq-100 Ex-Technology	QQXT	90.17	938	17	16	17	17	11	9	9	9	9	12	13	13	16	15	14	15	14	15	D3	2	BF	BR	- 70	0.39%	-3.75%	-5.65%
	iShares Morningstar U.S. Equity ETF	ILCB	72.78	888	24	21	25	24	23	23	13	13	11	12	13	12	13	12	11	12	10	12	D3	4	BF	BF	- 116	-1.37%	-6.73%	-12.00%
	Goldman Sachs JUST U.S. Large Cap	JUST	74.57	388	25	21	25	24	23	23	13	11	11	12	14	12	13	13	12	13	12	13	D3	3	BF	BF	- 118	-1.40%	-7.21%	-12.02%
First Trust Large Cap US Equity Select	RNLC	38.22	17	18	17	17	17	11	9	10	13	19	22	22	23	21	19	23	22	20	21	D3	4	BF	BF	- 72	0.51%	-4.52%	-6.17%	
EF-04	Mid-Cap																													
	iShares Core S&P Mid-Cap ETF	IJH	54.85	83,890	25	26	25	25	26	27	27	27	28	21	18	14	14	11	17	16	16	16	D3	8	BF	BF	- 19	0.83%	-6.25%	-13.37%
	Vanguard Mid-Cap ETF	VO	245.73	70,972	20	21	21	21	11	23	13	17	19	15	13	12	13	13	13	14	13	14	D3	5	BF	BR	- 71	0.87%	-5.20%	-9.86%
	iShares Russell Midcap ETF	IWR	80.42	36,832	24	25	25	25	24	26	25	17	19	15	14	13	14	13	14	14	14	14	D3	5	BF	BF	- 71	0.98%	-5.99%	-11.94%
	SPDR S&P Midcap 400 ETF Trust	MDY	501.78	20,619	27	27	26	26	27	27	28	28	19	22	17	14	14	14	15	16	15	16	D3	6	BF	BF	- 70	0.87%	-6.71%	-14.91%
	Schwab U.S. Mid-Cap ETF	SCHM	24.50	10,169	27	27	26	26	27	27	28	17	19	16	14	13	13	12	13	15	14	15	D3	6	BF	BF	- 70	0.57%	-7.28%	-14.75%
	Vanguard S&P Mid-Cap 400 ETF	IVOO	92.80	2,336	27	27	26	26	27	27	28	28	19	22	17	14	14	13	15	16	15	17	D3	6	BF	BF	+ 5	0.76%	-6.74%	-15.04%
	Franklin U.S. Mid Cap Multifactor Index	FLQM	50.12	1,423	21	22	20	23	26	26	13	17	19	22	22	19	18	16	18	20	16	18	D3	7	BF	BF	- 71	0.66%	-4.37%	-10.41%
	First Trust Mid Cap Core AlphaDEX Fu FNX		101.14	1,006	27	27	26	26	28	28	29	28	19	20	17	14	15	14	18	16	16	18	D3	6	BF	BF	+ 5	0.92%	-7.10%	-15.67%
	iShares Morningstar Mid-Cap ETF	IMCB	70.10	939	21	23	23	23	23	24	13	17	19	16	14	13	14	13	13	14	13	14	D3	5	BF	BF	- 71	0.75%	-5.60%	-10.83%
	Invesco S&P MidCap 400 Equal Weight	EWMC	97.77	444	27	27	28	27	28	29	30	30	30	30	30	24	23	20	23	23	27	27	D3	9	BF	BF	+ 11	0.87%	-7.20%	-16.27%
First Trust Mid Cap Value AlphaDEX Fu FNK		46.13	180	27	28	26	26	27	27	28	29	28	22	22	19	18	15	19	20	20	22	D3	7	BF	BF	+ 7	1.07%	-8.36%	-16.34%	
First Trust Mid Cap US Equity Select E' RNMC		32.90	26	20	20	19	21	25	25	13	17	19	22	17	16	18	15	18	16	14	14	D3	6	BF	BR	- 71	0.70%	-3.67%	-9.17%	
EF-05	Small-Cap																													
	iShares Core S&P Small Cap ETF	IJR	96.30	71,455	28	28	27	28	29	29	29	29	28	23	18	15	15	15	20	13	14	14	D3	9	BF	BF	- 19	0.69%	-7.67%	-16.62%
	iShares Russell 2000 ETF	IWM	186.48	58,387	29	29	28	29	29	29	29	30	30	22	22	19	18	16	19	17	16	16	D3	7	BF	BF	+ 6	0.93%	-8.61%	-18.13%
	Vanguard Small-Cap ETF	VB	207.02	55,046	27	27	26	27	28	28	29	28	19	17	14	12	13	12	13	13	13	13	D3	6	BF	BF	+ 5	0.58%	-7.76%	-16.36%
	Schwab U.S. Small-Cap ETF	SCHA	21.83	15,027	29	28	28	29	28	29	29	29	19	20	15	14	14	15	17	14	14	15	D3	6	BF	BF	+ 5	0.97%	-8.53%	-17.59%
	Vanguard Russell 2000 ETF	VTWO	75.38	10,551	29	28	28	29	28	29	29	30	29	28	22	18	19	16	17	19	16	15	D3	7	BF	BF	+ 6	1.22%	-8.46%	-17.06%
	SPDR Portfolio S&P 600 Small Cap ET SPSM		37.56	10,021	29	29	28	29	29	29	29	30	30	22	22	18	18	16	19	17	16	17	D3	7	BF	BF	+ 6	1.02%	-8.51%	-18.15%
	Schwab Fundamental US Small Co. Inr FNDA		25.36	8,209	27	28	26	27	28	28	29	29	28	22	19	16	16	15	19	16	15	16	D3	6	BF	BF	+ 6	0.83%	-8.18%	-16.70%
	Fidelity Nasdaq Composite Index ETF	ONEQ	64.04	6,433	27	25	28	28	27	27	26	17	10	10	13	11	10	10	8	9	6	8	D3	4	BF	BF	- 113	-2.93%	-8.51%	-17.15%
	SPDR S&P 600 Small Cap Growth ETI SLYG		77.89	2,894	27	28	27	29	30	29	30	30	30	22	20	19	19	19	23	21	20	20	D3	7	BF	BF	+ 7	0.95%	-6.40%	-16.17%
	Vanguard S&P Small-Cap 600 ETF	VIOO	88.78	2,545	29	29	28	29	29	29	30	30	30	26	21	18	17	16	22	16	16	16	D3	9	BF	BF	- 71	0.93%	-8.70%	-18.21%
	Invesco FTSE RAFI US 1500 Small-Mi PRFZ		35.28	2,262	28	28	28	28	28	29	29	29	19	18	16	15	15	15	18	15	15	15	D3	6	BF	BF	+ 5	1.03%	-8.40%	-17.13%
	First Trust Small Cap Core AlphaDEX f FYX		83.95	747	29	29	28	29	29	29	30	30	30	24	17	13	12	11	18	10	9	11	D3	8	BF	BF	- 72	1.83%	-8.54%	-18.48%
	Goldman Sachs Activebeta U.S. Small GSSC		59.04	484	27	28	26	28	28	29	29	29	28	21	19	18	17	16	19	16	15	16	D3	6	BF	BF	+ 6	0.65%	-7.98%	-16.13%
	JPMorgan Diversified Return U.S. Sma JPSE		40.61	413	27	27	26	26	28	28	29	30	30	22	22	24	21	19	24	21	19	20	D3	8	BF	BF	+ 7	0.79%	-6.84%	-14.66%
	iShares Morningstar Small-Cap ETF	ISCB	50.78	203	27	28	27	27	27	28	29	29	19	18	15	14	14	14	17	15	14	15	D3	6	BF	BF	- 70	0.94%	-7.68%	-16.08%
	Franklin U.S. Small Cap Multifactor Indr FLQS		37.11	41	25	26	23	26	27	27	28	29	28	20	18	19	18	16	19	19	17	18	D3	7	BF	BF	+ 6	0.31%	-5.34%	-13.31%
Furst Trust Small Cap US Equity Selec RNSC		26.43	26	25	25	26	27	29	29	30	30	30	27	19	17	11	11	15	15	14	14	D3	8	BF	BF	- 71	0.57%	-3.60%	-14.33%	
EF-06	Micro-Cap																													
	iShares Micro-Cap ETF	IWC	104.56	727	28	29	28	29	28	27	29	25	22	8	8	10	8	11	15	4	4	6	D3	6	BF	BF	- 19	2.18%	-8.10%	-16.71%
	First Trust Dow Jones Select MicroCap FDM		59.14	157	27	27	26	26	27	27	27	11	11	9	11	11	11	11	13	11	11	12	D3	4	BF	BF	- 71	1.93%	-6.14%	-14.50%

			Relative Strength Ranking - RSR																											% Price Δ		
Group or Corp		Ticker	Price	MKT Cap(MM)	04/18	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	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month			
EF-06	Micro-Cap																															
	STYLE																															
EF-07	Style: Large-Cap Growth				27	24	27	27	27	27	26	17	6	4	5	4	2	3	2	2	2	2	D3	4	BF	BF	- 17	-1.86%	-6.90%	-14.89%		
	Vanguard Growth ETF	VUG	352.14	139,673	27	24	27	27	27	26	25	17	9	9	11	11	10	10	8	8	6	7	D3	3	BF	BF	- 113	-2.24%	-7.30%	-15.22%		
	iShares Russell 1000 Growth ETF	IWF	341.62	91,879	27	25	27	27	27	26	25	17	10	10	12	11	10	10	8	8	6	7	D3	4	BF	BF	- 113	-2.40%	-7.65%	-15.97%		
	iShares S&P 500 Growth ETF	IWW	88.46	48,312	26	22	26	26	26	25	25	13	9	9	10	11	9	9	8	8	6	8	D3	3	BF	BF	- 107	-2.14%	-6.80%	-14.71%		
	Schwab U.S. Large-Cap Growth ETF	SCHG	23.69	33,598	27	25	28	27	27	27	26	17	10	10	11	11	10	10	8	8	6	7	D3	4	BF	BF	- 112	-2.75%	-7.65%	-16.17%		
	SPDR Portfolio S&P 500 Growth ETF	SPYG	76.58	29,054	26	22	26	26	26	25	25	13	9	9	10	11	9	9	8	8	6	8	D3	3	BF	BF	- 107	-2.18%	-6.77%	-14.69%		
	Vanguard Russell 1000 Growth ETF	VONG	87.90	23,301	27	25	27	27	27	26	25	17	10	10	12	11	10	10	8	8	6	7	D3	4	BF	BF	- 113	-2.50%	-7.65%	-15.94%		
	Vanguard Mega Cap Growth ETF	MGK	292.51	21,314	27	25	28	27	27	27	25	17	9	9	12	11	10	10	8	8	6	7	D3	4	BF	BF	- 112	-2.40%	-7.54%	-15.59%		
	iShares Core S&P U.S. Growth ETF	IUSG	121.27	18,845	26	23	26	26	26	26	25	17	9	9	11	11	9	9	8	9	7	8	D3	3	BF	BF	- 108	-2.11%	-6.82%	-14.84%		
	Vanguard S&P 500 Growth ETF	VOOG	318.87	13,951	26	22	26	26	26	25	25	13	9	9	10	11	9	9	8	8	6	8	D3	3	BF	BF	- 107	-2.21%	-6.78%	-14.71%		
	iShares Russell Top 200 Growth ETF	IWY	199.85	11,212	27	25	27	27	27	26	25	17	10	10	12	11	10	10	8	8	6	7	D3	4	BF	BF	- 112	-2.15%	-7.31%	-15.63%		
	iShares Morningstar Growth ETF	ILCG	76.97	2,140	27	25	27	27	26	26	27	17	10	10	11	11	9	9	8	8	6	8	D3	4	BF	BF	- 112	-2.31%	-7.43%	-15.79%		
	Invesco S&P 500 Pure Growth ETF	RPG	36.69	1,349	26	26	28	27	27	27	28	12	10	8	8	9	8	8	7	10	8	8	D3	3	BF	BF	- 71	0.00%	-6.26%	-15.57%		
	First Trust Large Cap Growth AlphaDE	FTC	126.39	986	22	23	26	25	26	26	26	11	10	8	9	9	9	9	9	10	8	8	D3	3	BF	BR	- 74	0.29%	-4.78%	-11.97%		
	Invesco Dynamic Large Cap Growth E	PWB	92.69	900	24	21	26	26	25	26	26	11	6	3	3	4	3	5	5	5	6	5	D3	3	BF	BF	- 116	-0.98%	-5.87%	-11.72%		
EF-08	Style: Mid-Cap Growth				26	26	27	28	27	28	28	28	27	12	6	7	6	6	9	9	10	9	D3	7	BF	BF	- 19	0.51%	-5.55%	-14.69%		
	iShares Russell Mid-Cap Growth ETF	IWP	113.32	16,210	25	26	27	26	26	27	27	17	10	7	7	8	8	8	7	7	6	7	D3	3	BF	BR	- 72	0.70%	-6.25%	-14.28%		
	Vanguard Mid-Cap Growth ETF	VOT	234.51	14,112	21	22	25	24	24	26	13	13	11	9	8	9	9	9	9	10	9	9	D3	3	BF	BR	- 71	0.62%	-5.23%	-11.76%		
	iShares S&P Mid-Cap 400 Growth ETF	IJK	79.38	8,002	27	27	28	29	29	29	30	29	30	22	18	18	14	15	18	17	17	19	D3	7	BF	BF	+ 6	0.37%	-5.70%	-16.14%		
	Invesco S&P MidCap Momentum ETF	XMMO	109.65	3,251	26	26	27	28	28	29	29	28	30	17	13	11	11	11	12	12	13	13	D3	5	BF	BF	+ 5	0.73%	-4.38%	-15.23%		
	iShares Morningstar Mid-Cap Growth E	IMCG	68.20	2,349	24	25	26	25	25	26	25	17	16	11	10	11	11	10	10	11	10	10	D3	4	BF	BF	- 70	0.29%	-5.81%	-12.75%		
	SPDR S&P 400 Mid Cap Growth ETF	MDYG	75.77	2,031	27	27	28	29	29	29	30	29	30	22	18	18	14	15	18	17	17	19	D3	6	BF	BF	+ 6	0.34%	-5.77%	-16.14%		
	Vanguard S&P Mid-Cap 400 Growth E	IVOG	98.41	982	27	27	28	29	29	29	30	29	30	25	16	15	11	11	17	16	20	18	D3	9	BF	BF	- 72	0.27%	-5.87%	-16.32%		
	First Trust Mid Cap Growth AlphaDEX	IFNY	71.07	348	27	27	27	28	29	29	30	28	26	10	7	8	8	8	11	10	11	11	D3	7	BF	BF	- 71	0.74%	-5.42%	-14.97%		
EF-09	Style: Small-Cap Growth				27	28	28	29	29	29	30	29	29	20	15	12	11	12	16	10	13	11	D3	8	BF	BF	- 19	0.62%	-6.98%	-16.66%		
	Vanguard Small-Cap Growth ETF	VBK	236.53	16,201	29	28	28	28	28	29	29	28	19	12	12	11	10	10	10	10	10	10	D3	5	BF	BF	- 69	0.14%	-8.22%	-18.32%		
	iShares Russell 2000 Growth ETF	IWO	240.86	10,297	29	28	29	29	29	29	30	30	28	20	15	14	14	15	15	12	13	14	D3	6	BF	BF	+ 6	0.37%	-8.40%	-18.14%		
	iShares S&P Small-Cap 600 Growth E	IJT	116.71	5,415	27	28	28	29	30	29	30	30	30	22	21	19	20	19	23	21	21	20	D3	7	BF	BF	+ 7	0.82%	-6.38%	-16.25%		
	Invesco S&P SmallCap Momentum ET	XSMO	59.01	1,308	25	26	26	28	28	28	30	29	30	21	14	13	14	14	19	16	16	16	D3	6	BF	BF	+ 6	0.73%	-4.43%	-13.81%		
	Vanguard Russell 2000 Growth ETF	VTWG	175.86	865	29	28	29	29	29	29	30	30	28	20	15	14	13	15	15	13	13	14	D3	6	BF	BF	+ 6	0.38%	-8.55%	-18.21%		
	Vanguard S&P Small-Cap 600 Growth	VIOG	100.13	739	27	28	28	29	30	29	30	30	30	22	21	19	20	18	23	21	20	20	D3	7	BF	BF	+ 7	0.77%	-6.57%	-16.39%		
	iShares Morningstar Small-Cap Growth	ISCG	42.61	575	27	28	28	28	29	29	29	29	19	17	14	13	13	14	14	13	13	13	D3	6	BF	BF	- 70	0.52%	-7.13%	-16.33%		
	Janus Henderson Small/Mid Cap Grow	JSMD	66.51	424	25	25	25	27	27	27	28	29	28	18	14	12	13	12	10	12	10	12	D3	5	BF	BF	+ 4	0.27%	-5.18%	-13.73%		
	First Trust Small Cap Growth AlphaDE	FYC	65.85	372	27	28	28	29	29	29	30	29	28	15	7	8	7	7	11	3	3	3	D3	7	BF	BF	- 70	1.89%	-7.00%	-16.65%		
	Janus Henderson Small Cap Growth A	JSML	56.77	162	27	27	26	29	30	29	30	30	28	17	14	12	13	13	18	15	14	14	D3	6	BF	BF	+ 5	-0.30%	-5.27%	-16.16%		
	First Trust Small Cap Value AlphaDEX	FYT	45.14	113	29	29	28	28	29	29	29	30	30	29	29	21	19	17	23	20	17	19	D3	9	BF	BF	- 74	1.26%	-9.76%	-19.44%		
EF-10	Style: Large-Cap Value				19	18	18	19	19	19	17	9	16	18	17	15	17	16	21	21	20	18	D3	5	BF	BF	- 7	0.08%	-6.16%	-8.18%		
	Vanguard Value ETF	VTV	161.76	125,631	18	17	18	17	11	9	10	10	13	18	16	15	16	16	19	20	17	20	D3	4	BF	BR	- 71	-0.04%	-5.67%	-6.85%		
	iShares Russell 1000 Value ETF	IWD	176.32	58,609	18	18	18	18	18	9	13	10	13	17	15	14	16	15	19	19	16	19	D3	5	BF	BR	- 71	0.11%	-5.79%	-7.52%		
	iShares S&P 500 Value ETF	IVE	177.38	34,846	20	19	19	20	21	21	13	17	19	22	22	21	22	21	22	22	18	20	D3	5	BF	BF	- 73	-0.52%	-6.55%	-8.25%		
	SPDR Portfolio S&P 500 Value ETF	SPYV	47.54	23,725	20	19	19	19	11	21	13	17	19	22	22	21	22	21	22	22	17	20	D3	5	BF	BF	- 73	-0.67%	-6.51%	-8.27%		
	Schwab U.S. Large-Cap Value ETF	SCHV	24.99	11,275	18	18	18	17	11	9	10	9	12	17	15	15	16	16	19	20	17	19	D3	3	BF	BR	- 70	0.64%	-5.34%	-6.54%		

				Relative Strength Ranking - RSR																		% Price Δ								
Group or Corp	Ticker	Price	MKT Cap(MM)	04/18	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	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month		
EF-10	Style: Large-Cap Value				18	18	18	17	11	9	13	10	13	17	15	14	15	15	19	19	16	19	D3	4	BF	BR	- 71	0.10%	-5.74%	-7.50%
	Vanguard Russell 1000 Value ETF	VONV	77.40	10,912	18	16	17	15	11	9	9	9	11	15	14	14	15	16	19	20	16	20	D3	1	BF	BR	- 72	-0.43%	-5.84%	-6.01%
	Vanguard Mega Cap Value ETF	MGV	120.37	8,383	21	19	19	20	11	21	13	17	19	22	22	21	22	21	22	22	17	20	D3	5	BF	BF	- 73	-0.63%	-6.58%	-8.37%
	iShares Russell Top 200 Value ETF	IWX	77.04	2,423	17	16	17	14	14	9	9	9	10	13	14	14	15	16	19	20	17	20	D3	1	BF	BR	- 71	-0.31%	-5.62%	-5.48%
	First Trust Large Cap Value AlphaDEX FTA		71.02	1,033	20	22	19	19	11	9	13	17	19	22	22	22	20	16	19	22	21	22	D3	8	BF	BF	+ 5	0.82%	-6.47%	-10.05%
	Invesco Dynamic Large Cap Value ETI PWV		55.23	966	17	18	18	14	8	9	9	8	10	17	15	19	18	16	19	22	21	22	D3	2	BF	BF	- 92	1.45%	-6.53%	-6.09%
	iShares Morningstar Value ETF	ILCV	76.26	961	19	18	18	18	18	9	10	10	11	15	16	14	17	16	17	17	15	16	D3	3	BF	BF	- 72	-0.25%	-5.99%	-7.46%
	Invesco S&P 500 Enhanced Value ETI SPVU		48.09	96	17	17	16	8	8	9	9	9	12	17	17	16	15	15	18	21	19	21	D3	2	BF	BR	- 72	1.18%	-5.92%	-5.64%
	Xtrackers Russell 1000 US Quality at a QARP		48.62	57	20	18	18	19	21	21	10	10	11	12	14	12	14	14	13	15	13	15	D3	3	BF	BF	- 121	-0.94%	-5.35%	-8.73%
	Royce Quant Small-Cap Quality Value	SQLV	34.91	23	29	29	28	29	30	29	29	30	29	22	22	16	15	15	17	15	14	15	D3	6	BF	BF	+ 6	0.70%	-8.46%	-19.38%
EF-11	Style: Mid-Cap Value				24	25	23	23	25	25	24	22	26	23	18	13	16	13	20	18	14	15	D3	7	BF	BF	- 20	1.27%	-6.48%	-11.86%
	Vanguard Mid-Cap Value ETF	VOE	151.33	16,421	20	20	20	20	11	21	13	17	19	22	22	21	21	17	19	21	17	19	D3	8	BF	BF	- 70	1.07%	-5.20%	-8.39%
	iShares Russell Mid-Cap Value ETF	IWS	118.24	12,474	22	24	22	23	24	25	13	17	19	22	20	18	18	15	19	19	16	17	D3	7	BF	BF	- 70	0.94%	-6.03%	-11.21%
	iShares S&P Mid-Cap 400 Value ETF	IJJ	110.98	7,086	25	27	25	24	24	24	13	17	19	20	16	12	14	12	14	15	14	15	D3	6	BF	BF	- 70	1.32%	-7.61%	-13.75%
	Vanguard S&P Mid-Cap 400 Value ETI IVOV		85.31	826	25	27	25	24	24	24	24	22	24	18	14	8	10	8	13	11	9	11	D3	7	BF	BF	- 71	1.22%	-7.62%	-13.82%
	Invesco S&P MidCap Value with Mome XMVM		49.64	232	25	27	25	25	27	27	26	17	19	22	17	14	19	16	24	21	17	20	D3	7	BF	BF	+ 5	1.81%	-5.92%	-12.06%
EF-12	Style: Small-Cap Value				28	28	26	27	28	28	29	28	29	26	25	19	18	17	23	19	18	18	D3	9	BF	BF	- 19	1.52%	-8.60%	-16.69%
	Vanguard Small Cap Value ETF	VBR	173.10	26,254	27	27	26	26	27	27	28	28	19	22	18	15	15	15	19	17	16	17	D3	7	BF	BF	+ 5	1.07%	-7.43%	-14.85%
	iShares Russell 2000 Value ETF	IWN	140.07	10,379	28	28	27	27	28	28	29	29	29	22	22	22	21	20	24	21	20	20	D3	7	BF	BF	+ 7	1.98%	-8.52%	-15.83%
	iShares S&P Small-Cap 600 Value ETI IJS		88.02	5,616	29	29	28	29	29	29	29	29	28	22	22	18	15	15	19	15	14	14	D3	6	BF	BF	+ 6	1.20%	-10.68%	-20.03%
	SPDR S&P 600 Small Cap Value ETF	SLYV	70.68	3,329	29	30	28	29	29	29	29	29	28	22	22	17	15	15	19	15	14	15	D3	6	BF	BF	+ 6	1.26%	-10.76%	-20.08%
	Vanguard S&P Small-Cap 600 Value E VIOV		75.56	1,099	29	30	28	29	29	29	29	29	28	22	22	16	15	15	19	16	14	15	D3	6	BF	BF	+ 6	1.14%	-10.91%	-20.26%
	Vanguard Russell 2000 Value ETF	VTWV	123.32	692	28	29	27	27	28	28	29	29	29	22	22	22	21	20	24	21	20	20	D3	7	BF	BF	+ 7	2.08%	-8.57%	-15.89%
	Invesco S&P SmallCap Value with Mor XSVM		46.33	555	27	28	26	27	28	28	29	29	30	22	22	23	23	22	29	23	22	22	D3	7	BF	BF	+ 9	1.56%	-7.75%	-15.25%
	Opus Small Cap Value ETF	OSCV	33.37	502	24	26	23	26	28	27	29	29	30	22	22	24	22	18	24	22	22	20	D3	8	BF	BF	+ 8	2.02%	-3.95%	-11.97%
	iShares Morningstar Small Cap Value f ISCV		54.57	404	27	28	26	26	27	27	28	27	19	20	18	14	15	15	19	16	15	16	D3	6	BF	BF	- 70	1.41%	-8.68%	-15.86%
EF-13	Style: Multi-Cap Value				25	24	22	22	23	23	21	20	21	19	19	14	15	14	15	17	16	15	D3	6	BF	BF	- 20	-0.35%	-7.28%	-11.83%
	iShares Core S&P US Value ETF	IUSV	85.78	18,880	21	19	20	20	21	21	13	17	19	22	22	19	21	20	19	22	17	20	D3	5	BF	BF	- 73	-0.57%	-6.73%	-8.67%
	Fidelity Value Factor ETF	FVAL	55.55	842	24	19	21	22	21	21	13	11	11	12	14	12	13	13	12	13	12	13	D3	3	BF	BF	- 119	-1.70%	-7.23%	-11.50%
	JPMorgan U.S. Value Factor ETF	JVAL	38.11	511	27	26	25	25	24	24	13	17	16	16	15	13	14	14	14	16	14	15	D3	5	BF	BF	- 73	-0.60%	-8.65%	-13.97%
	SPDR S&P 1500 Value Tilt ETF	VLU	171.18	407	20	19	19	19	11	9	13	10	11	12	14	12	14	14	14	15	14	15	D3	3	BF	BF	- 73	-0.29%	-6.51%	-9.37%
	Alpha Architect US Quantitative Value I QVAL		39.68	331	25	26	23	25	26	27	13	28	19	22	22	20	18	15	13	18	16	19	D3	7	BF	BF	- 93	0.23%	-7.12%	-13.58%
	First Trust Multi Cap Value AlphaDEX F FAB		73.17	106	26	27	24	24	26	26	25	27	19	22	22	21	19	16	19	22	21	22	D3	7	BF	BF	+ 6	0.85%	-7.46%	-13.82%
	THEMATIC																													
EF-14	Equity Income				18	18	17	17	18	17	16	9	17	22	24	20	21	19	23	22	21	20	D3	4	BF	BF	- 6	0.83%	-5.81%	-6.87%
	Vanguard Dividend Appreciation ETF	VIG	183.86	82,755	18	17	18	19	11	9	10	10	12	15	15	14	16	16	17	16	14	15	D3	5	BF	BF	- 73	-0.48%	-4.85%	-7.23%
	Schwab US Dividend Equity ETF	SCHD	25.42	65,631	20	20	17	16	11	9	8	10	18	22	22	24	21	18	19	21	18	20	D3	3	BF	BF	- 70	0.47%	-7.60%	-8.36%
	Vanguard High Dividend Yield Index E VYM		120.84	55,251	18	17	18	17	16	9	9	9	10	13	14	13	14	13	15	15	14	16	D3	2	BF	BR	- 71	-0.15%	-5.89%	-7.63%
	iShares Core Dividend Growth ETF	DGRO	58.22	28,734	18	17	18	18	18	9	9	10	11	17	16	15	18	17	19	19	15	18	D3	5	BF	BR	- 71	-0.21%	-5.36%	-6.51%
	SPDR S&P Dividend ETF	SDY	129.43	19,163	16	16	15	16	11	9	9	17	19	22	29	24	25	24	29	27	24	22	D3	3	BF	BR	+ 13	1.09%	-2.96%	-2.65%
	iShares Select Dividend ETF	DVY	125.86	18,684	17	18	17	15	16	9	13	9	12	20	21	19	19	16	19	19	16	17	D3	4	BF	BR	- 70	1.47%	-5.20%	-5.90%
	First Trust Rising Dividend Achievers E RDVY		54.65	12,690	22	21	21	21	11	21	13	11	13	12	13	12	13	12	14	16	15	16	D3	5	BF	BF	- 72	-0.56%	-6.31%	-11.73%
	ProShares S&P 500 Dividend Aristocr NOBL		96.69	11,235	17	17	16	17	11	9	9	17	19	22	29	24	25	24	28	27	22	22	D3	3	BF	BF	+ 12	0.60%	-3.52%	-3.95%

				Relative Strength Ranking - RSR																		% Price Δ								
			MKT	04/18	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	TRIPLE	50	200						
Group or Corp		Ticker	Price	Cap(MM)																		CYCLE	DAY	DAY	MACD	1 week	1 month	3 month		
EF-14 Equity Income																														
	iShares Core High Dividend ETF	HDV	113.37	10,906	14	14	9	4	6	6	5	8	10	22	22	24	25	22	24	23	22	22	D2	2	BF	BR	- 69	1.39%	-4.45%	-0.68%
	First Trust Value Line Dividend Index F FVD		42.94	8,770	15	14	12	15	11	9	8	11	19	22	22	24	24	23	24	22	19	20	D3	3	BF	BR	- 69	0.73%	-2.57%	-2.01%
	First Trust SMID Cap Rising Dividend A SDVY		31.34	7,285	27	27	26	27	28	29	29	29	28	22	22	15	14	14	19	19	18	19	D3	7	BF	BF	+ 6	0.58%	-6.30%	-16.04%
	First Trust Preferred Securities & Incom FPE		17.24	5,583	13	13	7	14	9	9	10	13	19	22	21	21	23	19	14	16	16	16	D2	3	BF	BR	- 86	1.47%	-2.47%	-1.53%
	First Trust Morningstar Dividend Leade FDL		40.06	5,076	15	16	10	4	5	5	4	6	9	15	17	19	22	19	22	21	20	21	D2	2	BF	BR	- 70	1.57%	-6.63%	-1.77%
	WisdomTree U.S. LargeCap Dividend I DLN		74.73	4,495	17	16	17	16	11	9	9	9	10	15	14	14	17	16	17	16	15	16	D3	2	BF	BR	- 72	0.20%	-5.03%	-5.53%
	FT Cboe Vest S&P 500 Dividend Aristc KNG		48.03	3,570	17	16	15	17	11	9	9	17	19	22	29	24	25	24	28	26	22	22	D3	3	BF	BF	+ 13	0.44%	-3.30%	-3.69%
	WisdomTree U.S. MidCap Dividend Fu DON		46.24	3,378	22	25	20	22	24	24	13	17	19	22	21	15	15	14	19	16	15	16	D3	6	BF	BF	- 71	1.47%	-5.72%	-11.35%
	WisdomTree U.S. SmallCap Dividend I DES		29.55	1,718	27	28	25	26	27	27	28	29	28	22	22	21	20	18	23	18	15	16	D3	7	BF	BF	+ 6	1.86%	-7.82%	-14.55%
	VanEck Preferred Securities ex Financ PFXF		15.95	1,710	18	19	16	10	11	9	13	17	19	22	22	24	20	19	18	16	18	17	D3	7	BF	BF	- 2	1.46%	-6.34%	-7.21%
	WisdomTree U.S. Total Dividend Fund DTD		72.45	1,257	18	17	17	17	11	9	10	9	10	15	15	14	17	15	18	16	15	16	D3	3	BF	BR	- 72	0.56%	-5.04%	-6.28%
	WisdomTree U.S. High Dividend Fund DHS		91.69	1,174	16	16	11	4	7	7	5	7	9	15	15	14	19	16	18	16	15	15	D2	2	BF	BR	- 69	1.75%	-5.91%	-2.74%
	ALPS Sector Dividend Dogs ETF SDOG		53.52	1,128	18	19	18	15	15	9	8	10	12	21	22	23	21	19	19	21	18	20	D3	3	BF	BR	- 69	0.96%	-7.02%	-6.53%
	Invesco High Yield Equity Dividend Act PEY		19.51	1,070	22	24	18	16	11	9	8	10	16	22	21	19	20	17	22	21	17	18	D3	4	BF	BF	- 71	0.88%	-8.62%	-9.45%
	Invesco S&P Ultra Dividend Revenue F RDIV		44.49	730	21	23	18	17	11	9	13	10	16	21	22	21	21	20	23	21	17	19	D3	4	BF	BF	- 71	0.93%	-8.21%	-8.35%
	Invesco Dividend Achievers ETF PFM		43.48	654	18	17	18	19	11	9	10	10	12	16	15	14	16	16	18	17	14	16	D3	3	BF	BR	- 72	-0.18%	-4.80%	-6.65%
	Global X SuperDividend US ETF DIV		17.57	620	15	17	11	7	7	7	6	8	9	15	14	14	19	17	19	19	19	20	D2	2	BF	BR	- 70	2.75%	-5.46%	-3.25%
	Invesco KBW High Dividend Yield Fina KBWD		13.00	374	25	27	18	17	8	7	6	6	8	11	13	12	20	18	23	17	22	21	D2	3	BF	BF	- 70	3.83%	-11.97%	-10.44%
	WisdomTree U.S. AI Enhanced Value I AIVL		103.02	363	17	17	17	15	11	9	10	10	12	20	21	19	19	18	23	22	19	20	D3	4	BF	BR	- 69	0.77%	-5.70%	-5.72%
	VictoryShares Dividend Accelerator ET VSDA		48.55	226	18	18	13	10	11	9	9	13	19	22	22	21	23	22	24	23	20	20	D3	3	BF	BR	+ 3	0.71%	-4.32%	-5.26%
	WBI Power Factor High Dividend ETF WBIY		26.96	53	24	24	18	19	11	9	10	17	19	22	30	24	22	21	24	22	22	22	D3	4	BF	BF	- 1	0.16%	-8.50%	-10.21%
	Siren DIVCON Leaders Dividend ETF LEAD		62.23	50	20	18	21	25	26	25	13	17	19	22	22	23	20	19	23	22	19	19	D3	9	BF	BF	- 3	-0.54%	-3.81%	-8.82%
	US Equity Dividend Select ETF RNDV		29.47	43	25	25	23	21	11	21	10	17	13	22	22	23	22	23	24	23	22	22	D3	4	BF	BF	- 70	0.31%	-8.21%	-10.24%
	Global X S&P 500 Quality Dividend ETI QDIV		32.38	29	19	19	18	10	11	9	8	17	19	22	29	24	23	22	23	23	21	22	D3	3	BF	BF	- 69	0.39%	-6.58%	-7.40%
EF-15 Low Volatility																														
	iShares MSCI USA Min Vol Factor ETF USMV		90.04	23,230	16	15	15	16	18	16	16	7	15	18	16	18	19	17	19	17	15	13	D3	5	BF	BR	- 7	0.13%	-3.25%	-4.38%
	Global X NASDAQ 100 Covered Call E QYLD		16.01	8,061	13	10	10	7	9	7	6	8	11	17	15	19	22	22	19	21	17	19	D2	3	BF	BR	- 74	0.07%	-2.58%	0.56%
	Invesco S&P 500 Low Volatility ETF SPLV		72.12	7,557	9	6	8	4	8	7	5	8	11	20	19	22	23	20	23	21	16	18	D1	2	BR	AR	- 69	0.90%	-0.95%	2.16%
	Global X S&P 500 Covered Call ETF XYLD		37.86	2,982	18	16	18	19	11	9	10	9	9	10	11	11	12	10	8	10	8	9	D3	1	BF	BR	- 70	-1.07%	-4.32%	-8.55%
	First Trust BuyWrite Income ETF FTHI		20.95	1,195	19	18	20	21	11	21	13	12	12	13	14	13	14	13	11	12	11	12	D3	4	BF	BF	- 118	-0.38%	-4.76%	-8.99%
	Fidelity Low Volatility Factor ETF FDLO		57.48	1,144	18	16	17	17	19	9	9	10	12	17	16	14	19	19	17	17	14	15	D3	4	BF	BF	- 123	-1.00%	-4.60%	-5.39%
	SPDR SSGA US Large Cap Low Volat LGLV		167.26	990	13	10	9	7	8	7	6	9	16	21	17	19	21	18	19	21	16	17	D2	3	BF	AR	- 72	0.57%	-1.85%	-0.27%
	Invesco S&P MidCap Low Volatility ETI XMLV		59.36	776	15	16	11	14	11	9	10	11	19	22	21	19	19	16	19	16	15	15	D3	3	BF	BR	- 69	1.99%	-2.09%	-3.20%
	First Trust Nasdaq BuyWrite Income E FTQI		18.09	564	22	20	25	25	25	25	13	17	10	11	13	12	12	12	9	10	9	10	D3	3	BF	BF	- 114	-0.44%	-5.11%	-11.67%
	SPDR Russell 1000 Low Volatility Focu ONEV		120.66	550	17	16	16	17	11	9	13	17	19	22	22	19	19	18	19	21	17	19	D3	5	BF	BR	- 71	0.35%	-3.37%	-5.92%
	VictoryShares US 500 Volatility Wtd ET CFA		79.57	489	20	19	19	20	11	21	13	16	19	18	15	14	15	15	17	16	15	16	D3	6	BF	BF	+ 3	0.20%	-5.20%	-8.72%
	AGF U.S. Market Neutral Anti-Beta Fur BTAL		20.83	415	1	1	1	1	1	1	1	3	24	30	29	29	30	30	22	26	22	25	U3	5	AR	AR	+ 20	-0.62%	3.89%	16.17%
	VictoryShares US 500 Enhanced Volat CFO		64.60	388	19	19	19	20	11	21	13	17	19	18	15	14	15	15	17	16	15	16	D3	6	BF	BF	+ 3	0.37%	-4.90%	-8.69%
	iShares MSCI USA Small-Cap Min Vol SMMV		40.38	279	15	14	14	16	18	9	13	17	19	18	15	15	18	15	15	14	13	13	D3	5	BF	BR	- 70	1.08%	-1.42%	-3.53%
	Invesco S&P SmallCap Low Volatility E XSLV		43.78	278	20	21	16	20	24	22	13	17	19	22	22	22	24	21	24	20	16	17	D3	7	BF	BF	+ 5	1.43%	-3.60%	-7.78%
	Vanguard U.S. Minimum Volatility ETF VFMV		120.78	233	14	12	10	7	8	7	6	8	9	15	14	14	20	17	18	17	15	16	D2	3	BF	BR	- 73	0.62%	-2.93%	-1.20%
	WisdomTree PutWrite Strategy Fund PUTW		30.00	224	18	16	19	20	11	9	13	13	11	12	14	13	14	14	12	13	12	13	D3	3	BF	BF	- 115	-0.56%	-4.15%	-7.81%
	SPDR SSGA US Small Cap Low Volati SMLV		115.47	184	24	25	19	21	23	21	13	11	17	12	12	13	15	15	19	15	13	13	D3	5	BF	BR	- 70	1.57%	-6.28%	-10.17%
	VictoryShares US Multi-Factor Minimu VSMV		46.57	140	16	14	9	10	11	9	10	11	17	21	21	19	20	17	15	19	15	16	D3	5	BF	BR	- 124	0.19%	-2.57%	-4.48%
	Innovator U.S. Equity Ultra Buffer ETF UJUL		32.22	131	18	16	16	20	20	19	18	15	11	15	13	13	14	12	8	10	9	9	D3	3	BF	BF	- 19	-1.54%	-4.55%	-7.86%

		Relative Strength Ranking - RSR																				% Price Δ							
Group or Corp	Ticker	Price	MKT Cap(MM)	04/18	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	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month	
EF-15	Low Volatility																												
	First Trust Horizon Managed Volatility C HUSV	38.61	93	11	6	8	4	7	7	5	7	9	15	15	16	21	19	19	21	17	19	D1	3	BF	AR	- 71	0.31%	-1.66%	1.59%
	Franklin U.S. Low Volatility ETF FLLV	52.59	84	18	18	18	10	11	9	9	11	11	21	22	19	21	18	19	22	20	22	D3	3	BF	BF	- 74	0.45%	-6.39%	-6.67%
	Invesco S&P 500 ex-Rate Sensitive Lo XRLV	54.66	45	9	6	8	4	8	7	5	7	11	20	18	21	23	20	22	21	16	18	D1	2	BR	AR	- 69	0.92%	-0.77%	2.16%
	Invesco S&P 500 Minimum Variance E SPMV	44.65	5	16	14	15	15	11	9	9	9	11	17	15	19	18	18	19	18	15	17	D3	1	BF	BR	- 72	-0.41%	-4.15%	-3.73%
EF-16	Volatility			1	1	1	9	16	7	5	22	25	29	26	25	28	24	5	23	19	21	U3	3	AR	AR	+ 8	-2.97%	16.53%	17.21%
	ProShares Short VIX Short-Term Futur SVXY	35.66	566	30	30	30	27	26	27	30	24	24	16	24	23	15	20	29	23	27	26	D3	7	BF	BF	- 7	2.97%	-24.82%	-29.91%
	Invesco S&P 500 High Beta ETF SPHB	72.63	336	29	29	30	30	29	29	30	29	18	12	15	14	12	12	12	13	13	14	D3	6	BF	BF	+ 5	-0.70%	-11.39%	-21.29%
	ProShares Ultra VIX Short-Term Future UVXY	35.46	220	1	1	1	1	15	1	1	30	30	30	30	30	30	30	23	30	30	30	U3	3	AR	AR	+ 9	-12.36%	64.47%	83.64%
	ProShares VIX Short-Term Futures ET VIXY	69.96	113	1	1	1	1	6	1	1	29	30	30	30	30	30	30	8	30	28	29	U3	3	AR	AR	+ 8	-7.57%	47.72%	62.17%
	VictoryShares US Discovery Enhancec CSF	50.92	25	19	19	13	26	27	27	28	26	19	19	15	14	15	15	19	16	15	15	D3	6	BF	BF	+ 5	0.44%	-1.29%	-9.43%
	ProShares VIX Mid-Term Futures ETF VIXM	18.79	24	1	1	1	1	4	1	1	5	8	26	21	23	29	25	4	24	23	24	U3	8	AR	AR	+ 19	-0.63%	22.97%	29.72%
EF-17	Momentum			24	24	25	26	26	26	28	22	20	11	9	8	7	8	10	9	9	8	D3	6	BF	BF	- 19	-0.02%	-5.58%	-12.39%
	iShares MSCI USA Momentum Factor MTUM	195.35	13,489	19	18	25	23	21	23	13	8	9	7	8	10	9	9	10	11	10	12	D3	2	BF	BF	- 75	-0.36%	-4.58%	-9.89%
	Invesco S&P 500 Momentum ETF SPMO	88.26	5,203	20	17	25	21	11	9	13	7	8	8	8	9	9	9	8	10	8	11	D3	1	BF	BF	- 95	-1.74%	-6.15%	-10.36%
	First Trust Dorsey Wright Focus 5 ETF FV	51.90	3,275	27	27	26	27	27	27	28	17	18	11	12	11	12	12	12	13	12	13	D3	4	BF	BF	- 71	0.14%	-7.14%	-14.94%
	Pacer Trendpilot US Large Cap ETF PTLC	48.58	3,075	22	22	17	22	23	23	21	15	10	9	9	9	8	8	8	6	7	6	D3	4	BF	BF	- 106	0.10%	-5.93%	-10.91%
	Main Sector Rotation ETF SECT	48.01	1,728	27	25	26	26	26	26	25	22	11	8	9	9	7	9	8	6	7	7	D3	5	BF	BF	- 126	-1.48%	-8.04%	-14.50%
	JPMorgan U.S. Momentum Factor ETF JMOM	54.00	1,254	20	19	24	24	23	24	13	12	11	10	10	11	11	11	10	12	11	12	D3	3	BF	BF	- 118	-0.30%	-5.31%	-10.82%
	Pacer Trendpilot 100 ETF PTNQ	67.18	1,206	21	21	17	21	21	19	18	17	8	9	10	11	11	10	5	6	7	7	D3	3	BF	BF	- 114	-0.06%	-6.42%	-10.57%
	Invesco DWA Momentum ETF PDP	95.88	1,145	26	26	26	27	27	28	29	17	19	9	10	12	9	10	11	11	10	10	D3	5	BF	BF	- 73	0.30%	-5.62%	-14.93%
	Vanguard U.S. Momentum Factor ETF VFMO	144.32	898	27	27	28	28	28	28	30	17	19	11	11	12	11	12	13	12	12	12	D3	5	BF	BF	- 71	0.87%	-6.86%	-15.05%
	VictoryShares US Small Mid Cap Value USVM	73.68	792	27	27	26	26	28	28	29	29	30	22	19	15	16	15	18	16	16	16	D3	7	BF	BF	+ 6	1.07%	-6.46%	-14.93%
	Invesco DWA SmallCap Momentum E DWAS	73.89	592	30	30	29	30	30	30	30	30	30	22	22	24	19	24	29	16	19	18	D3	8	BF	BF	+ 8	2.30%	-7.55%	-19.68%
	Pacer Trendpilot US Mid Cap ETF PTMC	34.66	409	18	18	15	26	28	27	28	28	28	21	16	11	11	11	15	14	14	14	D3	8	BF	BF	- 68	0.14%	0.20%	-9.57%
	Fidelity Momentum Factor ETF FDMO	61.92	396	25	22	26	26	25	26	27	13	10	8	9	11	10	9	9	10	8	9	D3	3	BF	BF	- 106	-1.67%	-6.30%	-13.79%
	Momentumshares US Quantitative Mor QMOM	55.69	281	27	27	29	29	30	30	30	30	30	15	6	5	4	4	5	5	8	8	D3	7	BF	BF	- 72	0.52%	-5.69%	-17.37%
	First Trust Managed Futures Strategy FFMF	45.34	154	15	14	7	16	11	9	13	17	19	22	16	14	18	15	10	12	14	15	D3	2	BF	BF	- 19	0.99%	-1.72%	-5.24%
	VictoryShares US Value Momentum E ULVM	74.82	138	21	21	20	20	11	9	13	10	12	13	14	12	14	13	15	16	15	15	D3	5	BF	BF	- 72	0.43%	-6.48%	-9.88%
	SPDR S&P 1500 Momentum Tilt ETF MMTM	227.28	132	27	24	27	26	27	26	27	17	11	11	13	12	11	11	10	11	10	12	D3	4	BF	BF	- 105	-1.84%	-7.18%	-14.74%
	First Trust Dorsey Wright Dynamic Foc FVC	34.11	128	18	18	17	21	11	21	13	17	18	15	14	12	14	14	12	13	13	13	D3	5	BF	BF	- 66	0.26%	-3.71%	-7.68%
	SPDR Russell 1000 Momentum Focus ONEO	109.36	82	21	22	21	23	24	25	13	17	19	18	14	13	14	13	13	16	14	15	D3	6	BF	BF	- 71	0.35%	-4.95%	-10.81%
Pacer CFRA-Stovall Equal Weight Sea SZNE	32.51	20	27	26	26	26	27	27	27	29	28	22	22	24	23	24	27	28	25	25	D3	8	BF	BF	+ 15	-0.44%	-7.37%	-13.72%	
EF-18	Quality			22	21	22	24	24	24	21	17	15	14	12	11	13	14	14	11	12	11	D3	6	BF	BF	- 19	-0.74%	-6.00%	-10.68%
	iShares MSCI USA Quality Factor ETF QUAL	161.43	45,838	22	20	23	25	25	24	13	17	16	16	16	15	16	16	15	16	14	15	D3	5	BF	BF	- 119	-1.24%	-5.93%	-10.46%
	Invesco S&P 500 Quality ETF SPHQ	63.00	11,661	18	17	19	19	11	9	10	9	10	12	13	12	14	15	15	15	13	14	D3	2	BF	BF	- 123	-0.46%	-4.87%	-7.22%
	JPMorgan U.S. Quality Factor ETF JQUA	53.55	5,465	19	18	19	19	11	9	10	9	10	11	12	12	13	13	12	13	12	13	D3	2	BF	BR	- 123	-0.28%	-5.33%	-8.19%
	Fidelity Quality Factor ETF FQAL	60.72	959	20	17	20	21	20	9	13	10	10	12	14	13	14	14	12	13	13	14	D3	3	BF	BF	- 116	-1.51%	-5.90%	-8.79%
	FlexShares US Quality Large Cap Inde QLC	60.13	373	22	19	23	23	21	21	13	11	10	11	13	12	13	12	11	12	11	12	D3	3	BF	BF	- 117	-1.09%	-6.69%	-11.39%
	Vanguard U.S. Quality Factor ETF VFQY	125.43	349	25	25	25	26	27	26	13	17	19	18	16	14	16	15	17	17	15	16	D3	6	BF	BF	- 98	-0.14%	-6.67%	-13.04%
Invesco S&P SmallCap Quality ETF XSHQ	36.16	307	28	27	26	29	30	30	30	30	30	22	22	23	22	21	24	21	17	17	D3	8	BF	BF	+ 7	-0.50%	-6.68%	-15.58%	
EF-19	Multi-factor			20	21	20	21	22	22	21	19	21	17	17	16	16	15	20	16	16	14	D3	6	BF	BF	- 20	0.54%	-5.37%	-9.27%
	WisdomTree US Quality Dividend Grov DGRW	75.23	13,970	20	18	19	21	11	22	13	17	19	20	21	19	18	19	19	21	16	19	D3	6	BF	BF	- 74	-0.95%	-5.43%	-8.40%

		Relative Strength Ranking - RSR																				% Price Δ							
Group or Corp	Ticker	Price	MKT Cap(MM)	04/	04/	04/	03/	03/	03/	03/	02/	02/	02/	02/	01/	01/	01/	01/	01/	12/	12/	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month	
				18	11	04	28	21	14	07	28	21	14	07	31	24	17	10	03	31	27								
EF-19	Multi-factor																												
	Goldman Sachs ActiveBeta U.S. Large	103.76	11,798	24	21	24	24	24	24	13	13	11	12	14	12	13	13	12	12	11	12	D3	4	BF	BF	- 117	-1.12%	-6.22%	-11.53%
	SPDR Portfolio S&P 500 High Dividend	41.19	6,485	18	19	16	15	11	9	10	11	19	22	22	24	24	22	25	22	20	21	D3	3	BF	BR	- 70	1.90%	-5.53%	-5.29%
	iShares MSCI USA Value Factor ETF	98.65	6,013	21	21	20	19	18	9	13	10	10	15	18	16	15	15	19	21	19	21	D3	5	BF	BF	- 71	0.23%	-7.77%	-9.51%
	Invesco Russell 1000 Dynamic Multifac	51.30	4,425	18	15	18	20	11	9	13	9	10	11	12	12	13	13	11	12	10	12	D3	2	BF	BR	- 28	-1.42%	-3.58%	-6.88%
	John Hancock Multifactor Mid Cap ETF	53.82	3,623	25	26	25	25	26	26	26	23	25	17	11	9	10	9	14	11	12	12	D3	7	BF	BF	- 71	0.81%	-6.22%	-13.42%
	Invesco S&P 500 High Dividend Low V	47.12	3,301	16	16	14	11	9	7	6	9	12	22	22	24	25	23	24	21	19	20	D3	3	BF	BR	- 70	1.93%	-4.85%	-2.49%
	First Trust RBA American Industrial Re	67.21	3,035	27	27	29	30	30	30	30	30	30	22	14	14	10	9	12	12	13	12	D3	6	BF	BF	+ 6	0.13%	-3.37%	-18.13%
	Invesco S&P 500 GARP ETF	92.61	2,763	27	27	26	25	27	27	28	17	19	21	18	15	13	12	12	16	16	19	D3	6	BF	BF	+ 5	0.58%	-7.11%	-15.59%
	Principal U.S. Mega-Cap ETF	53.68	2,425	22	18	22	23	11	22	13	9	9	9	10	10	11	11	9	10	7	9	D3	2	BF	BF	- 116	-2.08%	-6.20%	-11.18%
	iShares U.S. Equity Factor ETF	54.60	2,151	23	20	24	24	22	22	13	10	10	10	12	12	12	12	11	12	10	12	D3	3	BF	BF	- 119	-1.16%	-6.67%	-11.44%
	ProShares S&P MidCap 400 Dividend	77.65	1,668	17	17	16	17	11	9	13	11	19	22	22	19	19	16	23	19	16	17	D3	5	BF	BR	- 70	1.58%	-2.26%	-5.17%
	FlexShares Quality Dividend Index Fun	63.60	1,623	24	23	22	23	23	22	13	17	13	17	18	18	18	16	15	16	14	15	D3	5	BF	BF	- 123	-0.56%	-7.18%	-10.83%
	iShares MSCI USA Small-Cap Multifac	58.11	1,546	27	28	27	27	28	28	29	28	19	13	14	12	13	12	12	13	13	13	D3	5	BF	BF	- 71	0.92%	-7.81%	-17.05%
	SPDR MSCI USA StrategicFactors ETI	148.66	1,388	18	16	17	18	18	17	16	5	10	14	11	12	16	16	16	16	16	14	D3	2	BF	BR	- 122	-0.58%	-4.77%	-5.81%
	WisdomTree U.S. LargeCap Fund	55.43	973	22	20	22	22	11	21	13	10	10	10	12	13	12	12	12	12	11	12	D3	3	BF	BF	- 118	-1.19%	-7.06%	-11.13%
	John Hancock Multifactor Large Cap E	63.57	849	22	21	23	23	23	23	21	15	13	11	10	9	10	10	11	10	9	8	D3	5	BF	BF	- 75	-0.72%	-6.34%	-11.12%
	ALPS O'Shares US Small-Cap Quality	39.89	830	21	22	19	23	26	25	13	27	19	22	22	23	23	20	23	21	17	18	D3	8	BF	BF	+ 6	0.23%	-4.96%	-9.80%
	ALPS O'Shares U.S. Quality Dividend I	50.32	761	18	16	17	18	20	9	8	10	12	18	18	15	19	19	18	17	14	15	D3	5	BF	BR	- 73	-0.73%	-4.37%	-5.41%
	SPDR Russell 1000 Yield Focus ETF	101.69	750	19	20	18	18	11	9	13	13	19	22	22	20	19	17	19	21	18	20	D3	4	BF	BF	- 70	1.14%	-5.66%	-8.46%
	VictoryShares US EQ Income Enhance	61.31	717	16	16	9	7	9	9	9	9	10	20	22	20	21	17	22	21	18	20	D3	1	BF	BR	- 68	1.62%	-4.65%	-3.68%
	Principal U.S. Small-Cap Multi-Factor E	45.92	680	25	26	25	26	28	27	29	28	19	17	15	14	16	15	19	17	17	18	D3	6	BF	BF	+ 5	1.10%	-5.45%	-13.24%
	Vanguard U.S. Value Factor ETF	103.28	674	27	27	26	24	24	25	25	24	19	22	22	18	16	15	19	21	20	21	D3	7	BF	BF	+ 5	0.95%	-9.90%	-15.38%
	ProShares Russell 2000 Dividend Grov	61.95	628	22	25	19	22	25	21	13	17	19	22	22	24	25	24	29	23	21	19	D3	7	BF	BF	+ 6	1.86%	-5.26%	-8.61%
	Franklin U.S. Low Volatility High Divide	39.53	552	11	10	9	5	11	8	4	4	8	21	23	24	25	23	24	22	20	20	D2	2	BR	AR	- 68	1.91%	-1.03%	1.94%
	John Hancock Multifactor Small Cap E	34.74	450	27	27	26	26	27	27	28	28	28	20	14	12	12	11	18	15	15	15	D3	8	BF	BF	- 72	0.87%	-7.20%	-15.96%
	Hartford Multifactor US Equity ETF	48.00	422	19	18	18	20	11	21	13	11	13	16	15	15	15	15	15	17	15	16	D3	5	BF	BF	- 74	-0.05%	-4.90%	-8.02%
	FlexShares Quality Dividend Defensive	66.30	383	18	17	18	19	19	9	10	11	12	18	19	19	19	17	16	16	14	15	D3	5	BF	BF	- 123	-0.40%	-4.98%	-6.54%
	JPMorgan Diversified Return U.S. Equi	109.58	373	17	17	18	19	11	9	13	17	19	22	22	22	21	19	22	22	21	21	D3	5	BF	BF	- 71	0.79%	-3.70%	-6.35%
	WisdomTree U.S. Multifactor Fund	47.07	349	18	17	17	17	11	9	10	10	16	15	13	12	15	15	13	14	13	13	D3	3	BF	BR	- 94	0.41%	-4.47%	-6.53%
	WisdomTree US Smallcap Quality Divi	42.49	347	29	28	26	28	29	29	29	29	29	22	29	23	19	17	24	19	16	17	D3	7	BF	BF	+ 7	0.26%	-8.76%	-17.86%
	VictoryShares US Large Cap High Divi	63.84	329	16	16	9	8	9	9	9	9	10	20	22	21	21	17	19	21	18	20	D3	3	BF	BR	- 70	1.32%	-4.94%	-3.96%
	JPMorgan Diversified Return U.S. Mid	95.14	328	20	21	20	21	24	23	13	17	19	22	21	19	16	15	18	17	16	17	D3	7	BF	BF	- 70	0.93%	-4.82%	-9.85%
	Vanguard U.S. Multifactor ETF	118.07	305	25	25	24	24	24	25	25	17	19	15	14	13	14	14	17	16	15	16	D3	6	BF	BF	- 95	0.49%	-6.65%	-12.00%
	First Trust Multi Cap Growth AlphaDEX	123.56	235	25	26	26	26	27	27	28	22	20	6	5	5	4	4	5	4	5	5	D3	6	BF	BF	- 72	0.74%	-5.74%	-13.89%
	American Century STOXX U.S. Quality	57.14	229	20	18	18	19	11	9	9	11	12	15	14	13	15	16	15	16	14	15	D3	5	BF	BF	- 97	0.08%	-5.38%	-7.79%
	Invesco Russell 2000 Dynamic Multifac	35.99	214	24	25	23	26	27	27	29	28	28	19	14	17	16	15	19	15	14	14	D3	6	BF	BF	+ 5	1.44%	-4.17%	-11.60%
	PIMCO RAFI Dynamic Multi-Factor U.S	47.29	162	18	17	18	10	11	9	10	9	10	12	14	13	14	16	15	16	15	17	D3	2	BF	BF	- 72	-0.04%	-5.22%	-6.57%
	Xtrackers Russell US Multifactor ETF	51.24	159	18	17	18	19	21	21	13	17	19	22	18	17	17	16	18	19	15	17	D3	6	BF	BR	- 72	0.26%	-3.47%	-7.08%
	Cambria Global Momentum ETF	28.23	106	14	14	16	18	11	9	13	17	19	16	17	18	17	16	19	17	19	20	D3	6	BF	BF	- 66	1.93%	-0.85%	-2.99%
	First Trust Dorsey Wright International	19.95	103	5	6	10	5	6	6	4	20	20	23	27	28	27	29	29	26	27	25	D1	2	AR	AR	- 3	1.68%	-1.68%	5.15%
	First Trust Dorsey Wright Momentum & DDIV	35.28	69	20	23	21	19	11	21	13	8	11	12	12	11	10	9	11	11	11	12	D3	3	BF	BR	- 72	1.75%	-5.91%	-10.99%
	RiverFront Dynamic US Dividend Advd	49.92	66	24	23	23	23	24	23	13	17	19	16	19	19	14	15	14	13	13	14	D3	5	BF	BF	- 72	-0.07%	-6.24%	-11.32%
	Invesco S&P SmallCap High Dividend	12.73	63	25	27	18	22	24	21	13	24	28	22	30	24	25	24	29	23	25	22	D3	15	BF	BF	+ 12	2.41%	-8.31%	-12.49%
	First Trust Lunt U.S. Factor Rotation E	29.81	60	22	23	25	25	26	27	28	25	10	7	9	11	10	10	11	10	9	10	D3	4	BF	BF	- 29	0.40%	-4.07%	-11.63%
	Cambria Value & Momentum ETF	29.15	52	15	14	9	18	14	21	26	28	28	22	21	19	16	15	15	16	16	17	D3	6	AF	BR	+ 6	1.81%	-2.92%	-4.35%
	Invesco S&P 500 Value with Momentum	53.84	48	20	21	19	20	11	22	13	17	19	22	18	18	18	16	19	21	16	19	D3	6	BF	BF	- 72	1.15%	-5.03%	-8.75%

				Relative Strength Ranking - RSR																				% Price Δ							
Group or Corp		Ticker	Price	MKT Cap(MM)	04/18	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	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month		
EF-19	Multi-factor																														
	Roundhill Acquirers Deep Value ETF	DEEP	28.36	21	29	29	28	28	28	29	30	30	30	22	30	24	25	23	24	22	24	26	D3	10	BF	BF	+ 12	0.43%	-9.63%	-18.52%	
	VictoryShares US Small Cap Volatility \ CSA		65.05	20	27	27	24	26	27	27	28	27	19	20	15	14	15	15	19	16	14	15	D3	6	BF	BF	+ 5	0.95%	-6.47%	-14.16%	
	Arrow Dow Jones Global Yield ETF	GYLD	12.30	19	13	6	4	6	6	7	7	11	11	18	20	22	24	24	24	23	25	22	D2	1	BF	BR	- 9	1.31%	-4.36%	0.44%	
EF-20	Socially Responsible/ESG				21	22	21	23	22	21	22	24	23	21	22	22	20	19	22	18	22	18	D3	6	BF	BF	- 8	0.27%	-6.77%	-9.84%	
	iShares ESG Aware MSCI USA ETF	ESGU	114.68	11,864	25	22	25	25	24	24	13	17	12	12	14	12	13	12	11	12	10	12	D3	4	BF	BF	- 116	-1.24%	-6.92%	-12.67%	
	iShares ESG Aware MSCI EAFE ETF	ESGD	81.25	8,824	4	6	11	3	2	1	2	5	8	14	19	21	21	26	26	28	27	26	D1	2	BR	AR	- 3	2.81%	-2.83%	5.29%	
	iShares ESG Aware MSCI EM ETF	ESGE	33.48	4,295	15	14	14	12	6	6	5	18	5	11	17	22	22	25	24	23	22	22	D2	2	BF	BF	- 69	0.21%	-5.88%	-0.62%	
	SPDR S&P 500 Fossil Fuel Reserves F	SPYX	43.19	1,885	24	20	24	24	24	23	13	13	11	12	14	12	13	13	11	12	10	12	D3	4	BF	BF	- 116	-1.53%	-6.53%	-11.68%	
	iShares ESG Aware MSCI USA Small-I	ESML	35.82	1,624	28	28	28	28	28	28	29	29	19	19	15	14	14	14	15	14	14	15	D3	6	BF	BF	- 70	0.96%	-8.27%	-17.10%	
	Nuveen ESG Large-Cap Value ETF	NULV	38.08	1,565	17	17	17	17	18	17	17	5	12	18	18	18	19	17	22	21	22	19	D3	4	BF	BF	- 71	0.55%	-5.04%	-6.25%	
	Nuveen ESG Large-Cap Growth ETF	NULG	75.29	1,318	27	24	27	28	27	27	28	23	18	11	10	11	5	8	5	5	6	6	D3	6	BF	BF	- 117	-1.77%	-6.10%	-14.03%	
	Nuveen ESG Small-Cap ETF	NUSC	35.77	1,012	28	28	28	28	29	29	29	28	28	20	18	13	16	16	21	16	19	17	D3	8	BF	BF	- 70	0.93%	-8.41%	-16.93%	
	iShares MSCI ACWI Low Carbon Targi	CRBN	183.39	899	18	17	19	19	18	16	17	9	8	8	10	11	11	14	13	10	10	9	D3	2	BF	BR	- 74	-0.13%	-5.28%	-6.68%	
	Global X S&P 500 Catholic Values Cus	CATH	63.67	823	24	21	24	25	24	23	21	14	8	8	8	7	6	6	5	10	12		D3	4	BF	BF	- 116	-1.18%	-6.24%	-12.22%	
	Invesco Solar ETF	TAN	28.16	633	29	30	26	29	29	29	30	30	30	30	30	30	30	30	30	30	30	30	D3	8	BF	BF	+ 112	1.59%	-12.44%	-18.12%	
	Global X Conscious Companies ETF	KRMA	34.81	551	25	25	25	25	25	24	21	18	15	15	14	11	11	11	13	10	13	14	D3	5	BF	BF	- 73	-0.71%	-7.32%	-12.67%	
	Nuveen ESG Mid-Cap Growth ETF	NUMG	40.45	362	27	27	28	28	28	29	29	25	28	15	6	4	3	3	3	3	3	2	D3	6	BF	BF	- 32	-0.07%	-7.31%	-17.06%	
	First Trust Nasdaq Clean Edge Green I	QCLN	26.13	348	30	30	29	30	30	30	30	30	30	30	30	30	29	25	16	15	12	15	D3	7	BF	BF	+ 10	-0.53%	-12.29%	-25.78%	
	Nuveen ESG Mid-Cap Value ETF	NUMV	32.28	342	21	23	20	23	25	24	23	23	28	27	23	19	18	17	22	21	21	19	D3	7	BF	BF	- 71	0.81%	-5.00%	-10.21%	
	SPDR MSCI USA Gender Diversity ET	SHE	108.06	227	20	18	20	20	20	19	17	9	10	10	12	12	14	15	12	13	13	13	D3	2	BF	BF	- 119	-0.46%	-5.60%	-7.83%	
	Invesco WilderHill Clean Energy ETF	PBW	14.64	184	30	30	30	30	30	30	30	30	30	30	30	29	28	17	11	4	1	14	6	D3	8	BF	BF	- 11	-0.07%	-14.69%	-28.69%
	iShares MSCI Global Sustainable Deve	SDG	70.47	162	17	16	16	19	19	16	16	28	28	30	30	30	30	30	30	30	30	30	29	D3	3	BF	BF	- 1	0.20%	-5.09%	-1.23%
	Inspire Small/Mid Cap ETF	ISMD	31.32	158	29	28	27	28	28	28	29	29	28	22	22	20	18	17	22	17	17	17	D3	7	BF	BF	+ 6	0.39%	-9.40%	-17.86%	
	Columbia U.S. ESG Equity Income ETI	ESGS	42.88	157	17	15	15	15	11	9	10	13	12	19	21	20	18	17	19	22	20	22	D3	4	BF	BF	- 93	-0.90%	-4.64%	-5.77%	
	SPDR MSCI ACWI Climate Paris Align	NZAC	34.07	140	19	18	20	21	21	19	18	17	12	15	16	17	15	17	18	12	14	11	D3	6	BF	BF	- 73	-0.09%	-5.04%	-7.22%	
	Etho Climate Leadership U.S. ETF	ETHO	50.60	137	29	28	27	28	28	27	28	28	28	20	15	11	12	13	16	12	15	15	D3	7	BF	BF	- 69	-0.20%	-9.27%	-17.41%	
	Invesco MSCI Sustainable Future ETF	ERTH	37.66	134	20	19	20	25	24	9	13	29	19	22	30	30	25	24	28	23	22	26	D3	15	BF	BF	+ 16	0.13%	-5.48%	-7.81%	
	First Trust Global Wind Energy ETF	FAN	15.29	130	12	14	17	19	9	9	13	30	30	30	30	30	30	30	30	30	30	30	D3	2	AR	BF	+ 20	2.65%	-2.81%	2.62%	
	Inspire Global Hope ETF	BLES	36.51	120	16	17	18	17	11	9	10	17	19	20	22	24	22	22	24	23	22	22	D3	4	BF	BF	- 71	1.67%	-3.94%	-3.89%	
	AXS Change Finance ESG ETF	CHGX	33.62	114	27	27	22	24	24	23	20	17	18	17	14	13	12	15	15	13	14	11	D3	6	BF	BF	- 74	0.00%	-9.44%	-13.47%	
	VanEck Low Carbon Energy ETF	SMOG	97.84	111	15	13	11	13	12	11	15	23	21	26	29	28	27	24	28	20	25	21	D2	3	BF	BF	- 45	-0.09%	-4.66%	-2.69%	
	FlexShares Trust FlexShares STOXX L ESG		126.63	108	20	18	20	20	21	21	13	9	10	11	12	11	13	12	12	13	11	13	D3	2	BF	BF	- 117	-0.95%	-6.04%	-9.97%	
	SPDR MSCI Emerging Markets Fossil I	EEMX	32.38	78	15	14	15	12	6	6	5	20	6	15	20	25	23	25	24	23	24	22	D2	2	BF	BR	- 70	0.70%	-5.74%	-0.32%	
	FlexShares STOXX Global ESG Select	ESGG	162.09	77	17	16	18	17	14	9	7	9	9	11	13	13	15	16	15	18	15	18	D2	4	BF	BF	- 74	-0.05%	-5.69%	-5.20%	
	Invesco Global Clean Energy ETF	PBD	10.29	63	26	27	27	29	26	26	28	30	30	30	30	30	30	30	30	29	30	30	D3	24	BF	BF	+ 134	1.38%	-9.32%	-11.11%	
Columbia International ESG Equity Incr	ESGN	31.88	33	3	5	9	1	3	3	3	9	10	13	21	21	21	24	25	26	25	28	D1	1	AR	AR	- 8	3.73%	-4.11%	7.17%		
EF-21	Thematic				22	23	24	23	23	23	22	15	9	6	7	6	7	7	8	7	8	8	D3	4	BF	BF	- 9	0.27%	-6.29%	-11.21%	
	First Trust Capital Strength ETF	FTCS	86.56	8,080	15	13	14	17	11	9	9	11	19	22	22	21	23	22	23	23	19	20	D3	4	BF	BR	- 95	-0.23%	-1.34%	-2.60%	
	Global X U.S. Infrastructure Developme	PAVE	36.21	7,166	27	26	28	29	29	27	29	28	28	21	19	13	5	6	18	15	15	16	D3	8	BF	BF	- 126	-0.30%	-5.33%	-15.57%	
	ARK Innovation ETF	ARKK	45.12	4,875	30	29	30	30	28	30	28	10	1	1	1	1	1	1	1	1	1	1	D3	3	BF	BF	- 9	-1.68%	-12.39%	-24.31%	
	First Trust Nasdaq Clean Edge Smart (GRID	112.43	1,956	19	19	25	26	23	23	27	30	19	22	29	24	14	19	19	21	21	21	D3	9	BF	BF	+ 7	0.97%	-4.59%	-8.38%	
	VanEck BDC Income ETF	BIZD	15.06	1,385	18	25	16	7	8	9	5	6	5	8	9	8	10	9	9	10	10	13	D2	3	BF	BF	- 117	4.08%	-7.50%	-9.40%	
	Franklin LibertyQ U.S. Equity ETF	FLQL	53.52	1,252	22	19	24	24	23	23	13	11	10	11	13	12	13	13	12	13	12	13	D3	3	BF	BF	- 123	-0.67%	-5.79%	-10.71%	
	Invesco Buyback Achievers ETF	PKW	105.06	1,100	24	25	25	22	11	24	13	17	19	19	14	13	14	13	15	14	13	13	D3	6	BF	BR	- 95	0.89%	-7.39%	-11.47%	

			Relative Strength Ranking - RSR																				% Price Δ							
			MKT	04/18	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	TRIPLE	50	200						
Group or Corp		Ticker	Price	Cap(MM)																		CYCLE	DAY	DAY	MACD	1 week	1 month	3 month		
EF-21	Thematic																													
	ROBO Global Robotics & Automation I	ROBO	47.59	848	29	28	29	27	24	20	17	22	6	7	6	5	2	7	8	10	13	17	D3	3	BF	BF	- 26	0.17%	-13.11%	-18.31%
	Innovator U.S. Equity Power Buffer ETI	PJUL	38.92	827	17	16	16	19	19	18	17	13	11	15	13	13	14	12	8	10	8	10	D3	3	BF	BF	- 19	-0.69%	-3.78%	-6.53%
	First Trust US Equity Opportunities ETF	FPX	108.94	708	25	26	28	27	25	27	29	11	6	3	4	5	5	5	5	5	5	5	D3	2	BF	BR	- 71	1.13%	-6.44%	-14.59%
	FCF US Quality ETF	TTAC	61.10	614	21	22	24	24	23	25	13	11	10	10	12	12	14	13	12	12	11	12	D3	4	BF	BF	- 123	0.49%	-5.61%	-9.87%
	Goldman Sachs Hedge Industry VIP E' G	GVIP	112.84	279	24	24	26	25	21	23	27	5	3	3	3	4	1	2	2	3	3	3	D3	2	BF	BR	- 115	0.65%	-7.05%	-12.79%
	ProShares S&P 500 Ex-Technology E1	SPXT	85.99	193	19	17	18	19	11	9	13	9	10	12	12	11	13	12	12	13	12	13	D3	2	BF	BR	- 73	-0.60%	-5.36%	-8.62%
	AdvisorShares Focused Equity ETF	CWS	63.20	170	17	16	17	20	24	24	21	23	28	28	23	22	21	23	27	25	26	23	D3	6	BF	BF	- 73	0.10%	-2.33%	-5.53%
	Renaissance IPO ETF	IPO	35.94	120	29	29	30	30	30	30	30	30	19	12	10	10	11	10	11	10	10	12	D3	6	BF	BF	- 103	0.67%	-8.01%	-21.66%
	Global X Millennial Consumer ETF	MILN	40.95	108	22	24	25	23	21	23	17	2	2	1	1	1	1	1	1	1	5	6	D3	2	BF	BR	- 73	0.64%	-6.25%	-11.21%
	Pacer American Energy Independence	USAI	38.65	91	14	17	16	2	4	6	13	6	8	8	8	8	5	3	4	4	6	7	D3	1	BF	AR	- 94	4.89%	-6.48%	-9.63%
	American Customer Satisfaction ETF	ACSI	56.42	87	19	16	18	19	21	21	17	4	6	5	5	2	5	7	3	5	3	3	D3	2	BF	BR	- 74	-2.33%	-4.29%	-8.28%
	ProShares S&P 500 Ex-Energy ETF	SPXE	56.71	57	24	19	24	25	24	23	13	13	11	12	13	12	13	12	11	12	10	12	D3	4	BF	BF	- 116	-1.68%	-6.55%	-11.70%
	Impact Shares YWCA Women's Empo	WOMN	35.40	57	22	19	20	19	11	9	10	9	10	12	14	12	16	16	15	15	13	15	D3	3	BF	BF	- 119	-1.14%	-7.74%	-9.37%
	Principal Quality ETF	PSET	62.15	44	27	25	26	27	27	26	27	28	19	16	15	13	13	12	12	13	12	13	D3	5	BF	BF	+ 4	-1.82%	-7.25%	-15.24%
	Pacer US Export Leaders ETF	PEXL	42.15	40	27	27	29	26	26	26	26	28	19	22	22	19	15	16	19	22	22	22	D3	7	BF	BF	- 70	0.23%	-9.85%	-16.32%
	Point Bridge America First ETF	MAGA	45.59	28	18	18	18	18	20	19	18	12	20	19	17	15	13	11	20	20	20	19	D3	6	BF	BR	- 72	0.83%	-4.79%	-7.96%
ProShares Equities for Rising Rates E1	EQRR	54.46	10	18	19	19	14	11	9	13	10	13	19	21	19	18	14	18	22	22	25	D3	4	BF	BF	- 29	0.93%	-6.45%	-8.69%	
AdvisorShares Vice ETF	VICE	30.67	7	17	16	16	18	19	15	8	4	3	3	6	13	15	16	22	11	9	10	D2	4	BF	BR	- 66	1.16%	-2.74%	-3.06%	
EF-22	Alpha				18	17	17	20	20	20	20	18	20	16	16	18	18	17	13	14	13	12	D3	6	BF	BF	- 19	0.10%	-3.93%	-6.22%
	VanEck Morningstar Wide Moat ETF	MOAT	81.11	11,988	27	26	26	25	25	25	19	28	28	30	29	19	18	18	22	21	17	14	D3	10	BF	BF	- 72	-0.71%	-9.07%	-13.82%
	IQ Hedge Multi-Strategy Tracker ETF	QAI	30.66	676	15	14	10	16	14	16	17	17	15	17	15	17	18	16	11	11	15	16	D3	2	BF	BF	- 119	0.89%	-3.13%	-3.58%
	Innovator Laddered Allocation Power B	BUFF	42.69	561	17	15	15	18	18	16	17	11	11	15	13	13	16	14	8	10	9	11	D3	3	BF	BF	- 19	-0.49%	-3.72%	-5.93%
	ProShares Large Cap Core Plus	CSM	59.76	402	24	20	24	23	11	21	13	13	12	12	14	12	13	13	12	13	12	13	D3	4	BF	BF	- 74	-1.32%	-7.29%	-11.42%
	Invesco Raymond James SB-1 Equity	RYJ	65.86	100	19	18	18	19	21	19	17	14	13	17	16	17	16	17	22	21	20	17	D3	5	BF	BF	- 71	0.03%	-5.09%	-7.11%
	Hull Tactical US ETF	HTUS	34.41	70	24	20	26	25	25	25	25	17	11	12	11	11	11	11	8	9	8	7	D3	5	BF	BF	- 75	-1.41%	-6.00%	-11.34%
	Innovator IBD 50 ETF	FFTY	26.23	59	24	26	26	25	24	26	30	19	6	1	1	3	1	1	2	1	6	8	D3	3	BF	BF	- 25	1.94%	-5.68%	-12.71%
	AdvisorShares Ranger Equity Bear ETI	HODGE	19.29	49	1	1	1	1	1	1	4	5	28	30	29	30	30	30	23	29	28	29	U3	5	AR	AR	+ 40	0.47%	9.35%	22.71%
	AdvisorShares Insider Advantage ETF	SURE	104.93	42	25	25	25	25	26	27	26	24	26	23	20	18	17	14	20	17	19	17	D3	7	BF	BF	- 97	0.34%	-6.09%	-12.84%
	Global X Guru Index ETF	GURU	45.90	41	22	24	23	21	21	21	18	4	4	3	2	2	2	3	2	3	9	10	D3	2	BF	BR	- 71	1.27%	-6.86%	-10.61%
	ProShares Merger ETF	MRGR	41.43	10	9	5	6	7	8	7	7	10	12	18	16	18	19	16	11	16	15	16	D1	3	BF	AR	- 90	0.04%	-0.62%	0.05%
	EF-23	Convertible Preferred				17	17	13	19	17	17	19	21	24	23	23	23	21	20	21	15	22	21	D3	6	BF	BF	- 9	1.55%	-4.37%
iShares Preferred & Income Securities		PFF	29.53	13,523	17	18	15	10	11	9	13	17	19	22	22	24	23	24	19	18	22	20	D3	5	BF	BF	+ 9	1.48%	-5.15%	-5.43%
Invesco Preferred ETF		PGX	10.94	3,951	17	18	10	19	11	9	13	17	19	22	29	24	25	24	25	20	26	22	D3	4	BF	BF	+ 13	1.48%	-4.82%	-4.53%
SPDR Bloomberg Convertible Securitie		CWB	74.63	3,478	17	17	15	10	11	9	13	13	11	12	13	12	13	12	11	12	11	12	D3	2	BF	BR	- 70	1.40%	-4.13%	-6.18%
iShares Convertible Bond ETF		ICVT	81.67	2,356	17	16	15	10	11	9	13	13	10	12	13	12	14	12	11	12	12	12	D3	2	BF	BR	- 70	1.14%	-3.82%	-5.69%
Invesco Variable Rate Preferred ETF		VRP	23.94	1,989	12	11	7	10	8	7	9	11	13	20	17	19	21	17	12	14	15	16	D2	2	BF	AR	- 94	2.00%	-1.51%	-0.27%
SPDR ICE Preferred Securities ETF		PSK	31.44	811	17	17	10	10	11	9	13	17	19	22	29	24	25	24	25	21	27	22	D3	4	BF	BF	+ 14	1.19%	-4.34%	-4.20%
Invesco Financial Preferred ETF		PGF	13.95	783	17	18	10	19	11	9	13	17	19	22	29	24	25	24	25	21	27	22	D3	4	BF	BF	+ 14	1.82%	-4.61%	-3.93%
Global X SuperIncome Preferred ETF		SPFF	8.55	129	19	20	17	20	11	9	13	17	19	22	22	24	22	20	19	16	22	20	D3	9	BF	BF	- 1	1.42%	-5.86%	-7.62%
InfraCap REIT Preferred ETF		PFFR	17.71	86	16	18	11	18	16	9	13	17	19	22	22	24	25	24	19	16	22	20	D3	3	BF	BR	- 2	2.91%	-4.19%	-3.78%
Innovator S&P Investment Grade Prefe		EPRF	17.21	85	18	18	15	21	11	9	13	25	19	22	29	24	25	24	27	22	28	22	D3	5	BF	BF	+ 14	1.24%	-4.95%	-5.28%
First Trust SSI Strategic Convertible Se		FCVT	33.82	64	19	19	18	22	11	22	13	17	12	12	13	12	13	12	11	12	12	11	D3	4	BF	BF	- 69	0.96%	-4.85%	-9.19%

			Relative Strength Ranking - RSR																				% Price Δ							
			MKT	04/18	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	TRIPLE	50	200						
Group or Corp		Ticker	Price	Cap(MM)																		CYCLE	DAY	DAY	MACD	1 week	1 month	3 month		
SECTORS (US)																														
EF-24	Consumer Discr.				26	25	23	26	28	28	26	23	23	12	11	5	11	9	9	8	6	6	D3	6	BF	BF	- 18	-0.37%	-4.81%	-13.52%
	Consumer Discretionary Select Sector XLY	185.40	18,123		27	25	26	27	28	28	26	17	10	9	9	6	7	5	5	4	3	3	D3	3	BF	BF	- 74	-2.28%	-5.84%	-18.89%
	Vanguard Consumer Discretionary ETF VCR	306.15	5,045		29	27	26	28	30	29	29	17	12	10	10	6	7	6	5	5	4	4	D3	4	BF	BF	- 73	-1.93%	-6.14%	-20.30%
	iShares U.S. Home Construction ETF ITB	89.07	2,351		29	29	25	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	D3	15	BF	BF	+ 16	-0.19%	-6.07%	-17.90%
	Fidelity MSCI Consumer Discretionary FDIS	79.54	1,619		29	27	26	29	30	29	29	17	12	10	10	6	7	6	5	5	3	4	D3	4	BF	BF	- 73	-1.90%	-6.16%	-20.26%
	SPDR S&P Homebuilders ETF XHB	90.85	1,449		29	28	26	30	30	30	30	30	30	30	30	30	25	29	30	30	30	29	D3	15	BF	BF	+ 15	-0.46%	-6.44%	-17.64%
	iShares U.S. Consumer Discretionary E IYC	84.51	1,225		25	22	23	25	27	27	13	9	9	8	8	7	8	7	5	6	4	5	D3	3	BF	BR	- 73	-0.74%	-4.30%	-13.59%
	First Trust Consumer Discretionary Alp FXD	54.13	338		28	28	27	29	29	30	28	26	19	12	14	12	13	13	11	13	10	11	D3	5	BF	BF	+ 5	0.46%	-7.20%	-17.45%
	Invesco Dynamic Leisure & Entertainm PEJ	46.70	309		25	26	26	25	25	27	13	6	7	6	5	6	9	9	7	7	6	7	D3	2	BF	BR	- 68	1.48%	-5.80%	-11.58%
	SPDR S&P Retail ETF XRT	66.50	263		27	27	26	29	30	30	30	30	30	20	22	14	15	18	11	13	10	11	D3	5	BF	BF	+ 6	0.29%	-3.43%	-14.99%
	VanEck Retail ETF RTH	221.21	230		15	10	12	17	19	19	12	3	6	4	3	1	3	4	2	5	3	4	D2	5	BF	BR	- 75	-0.96%	-0.34%	-4.20%
	Invesco S&P 500 Equal Weight Consu RCD	46.70	187		26	25	22	26	26	26	13	10	12	11	13	12	13	12	11	12	9	9	D3	4	BF	BF	- 69	-0.32%	-6.91%	-13.19%
	First Trust Nasdaq Food & Beverage E FTXG	23.27	36		11	8	7	14	11	9	9	27	19	30	30	30	30	30	30	30	29	28	U2	1	AR	BR	+ 18	0.47%	2.00%	4.22%
iShares U.S. Consumer Focused ETF IEDI	49.69	32		19	17	18	25	27	27	13	9	11	9	10	10	13	12	10	11	9	10	D3	3	BF	BR	- 73	-0.54%	-1.09%	-8.38%	
Invesco S&P SmallCap Consumer Disc PSCD	84.82	19		30	30	29	30	30	30	30	30	30	22	22	12	14	17	15	16	14	14	D3	6	BF	BF	+ 6	0.39%	-9.12%	-22.66%	
First Trust Nasdaq Retail ETF ISHP	34.50	7		17	16	18	16	12	7	2	2	2	1	1	1	3	3	2	2	1	1	D2	3	BF	BR	- 71	0.64%	-5.87%	-4.19%	
EF-25	Consumer Staples				8	7	8	15	20	19	11	14	18	27	28	27	27	27	28	24	23	22	D3	3	AR	AR	+ 1	1.16%	2.89%	3.08%
	Consumer Staples Select Sector SPDF XLP	81.87	15,717		4	4	7	12	11	9	6	9	11	22	22	24	25	29	28	23	21	21	D1	1	AR	AR	- 7	1.89%	3.75%	6.56%
	Vanguard Consumer Staples ETF VDC	220.35	7,356		4	4	7	13	11	9	6	8	10	16	18	22	25	24	23	22	17	17	D1	1	AR	AR	- 67	1.62%	4.06%	5.79%
	iShares U.S. Consumer Staples ETF IYK	71.45	1,518		3	2	3	3	6	6	4	8	10	22	29	24	30	29	29	28	25	26	U3	3	AR	AR	- 6	1.61%	3.19%	10.51%
	FIDELITY COVINGTON TRUST MSCI FSTA	51.53	1,329		4	4	7	12	18	9	6	8	10	16	18	22	25	24	23	22	17	17	D1	1	AR	AR	- 67	1.78%	4.16%	5.84%
	First Trust Consumer Staples AlphaDE FXG	65.08	286		11	9	9	16	23	22	13	26	19	30	30	24	30	29	29	28	26	26	U1	1	AR	BR	+ 15	0.91%	3.42%	2.29%
	Invesco S&P 500 Equal Weight Consu RHS	30.45	262		8	8	7	13	11	9	8	17	19	30	30	30	30	30	29	28	25	25	U2	1	AR	BR	+ 18	1.33%	2.10%	4.20%
	Invesco Dynamic Food & Beverage ET PBJ	46.07	95		13	11	12	20	24	25	13	17	19	22	22	19	25	24	24	19	20	19	D3	7	AF	BR	+ 6	1.05%	2.90%	-0.84%
Invesco S&P SmallCap Consumer Staj PSCC	34.02	43		20	18	17	25	28	27	13	29	28	22	29	24	23	22	23	15	15	14	D3	6	BF	BF	+ 7	-0.90%	-0.46%	-8.87%	
EF-26	Communications				22	19	21	19	17	18	8	3	2	2	1	1	1	2	1	1	1	1	D3	1	BF	BR	- 18	-1.05%	-8.07%	-10.13%
	Communication Services Select Sector XLC	90.21	18,994		19	17	18	16	9	9	5	6	5	6	7	7	9	10	8	8	6	7	D2	3	BF	BR	- 114	-1.16%	-7.30%	-7.10%
	Vanguard Communication Services ET VOX	138.78	3,951		25	20	23	22	11	9	8	7	7	6	7	6	8	9	6	7	6	7	D3	1	BF	BR	- 113	-1.84%	-8.33%	-11.75%
	Fidelity MSCI Communication Services FCOM	52.63	1,284		25	20	23	22	19	9	8	7	7	6	6	6	8	9	6	7	6	7	D3	1	BF	BR	- 113	-1.75%	-8.20%	-11.61%
	iShares U.S. Telecommunications ETF IYZ	25.75	341		17	15	16	7	8	9	5	6	7	8	9	10	8	9	7	6	5	6	D2	3	BF	BR	- 39	-0.19%	-5.44%	-5.05%
	SPDR S&P Telecom ETF XTL	91.64	99		27	27	26	24	11	21	13	11	9	9	9	12	9	9	7	5	5	4	D3	3	BF	BR	- 43	-0.31%	-11.06%	-15.14%
EF-27	Energy				25	27	26	14	16	20	27	21	12	17	21	21	10	1	3	15	23	28	D3	3	BF	BF	- 8	3.45%	-11.15%	-18.24%
	Energy Select Sector SPDR Fund XLE	81.50	27,060		20	25	20	4	6	9	13	11	12	22	22	24	18	11	15	23	28	29	D3	3	BF	BF	- 8	3.31%	-11.22%	-12.58%
	Vanguard Energy ETF VDE	113.43	6,673		21	26	21	4	7	9	13	17	16	22	22	24	16	10	13	22	28	29	D3	4	BF	BF	- 26	3.55%	-11.00%	-13.93%
	SPDR S&P Oil & Gas Exploration & Pro XOP	111.93	1,836		29	30	29	19	11	26	30	29	19	22	29	24	14	9	10	20	28	30	D3	7	BF	BF	+ 37	4.05%	-14.30%	-22.60%
	Fidelity MSCI Energy Index ETF FENY	22.35	1,352		21	26	21	4	6	9	13	17	13	22	22	24	16	10	13	22	27	29	D3	3	BF	BF	- 3	3.52%	-10.99%	-13.93%
	iShares U.S. Energy ETF IYE	43.20	1,145		20	25	20	4	6	9	13	12	13	22	22	24	18	10	14	22	28	29	D3	3	BF	BF	- 26	3.40%	-10.76%	-12.91%
	United States Oil Fund LP USO	69.48	1,016		18	25	17	14	17	20	24	15	15	17	14	6	5	1	1	3	9	20	D3	2	BF	BF	- 9	4.54%	-5.84%	-15.80%
	VanEck Oil Services ETF OIH	218.84	897		30	30	30	25	27	29	30	30	28	27	29	28	17	5	22	25	28	30	D3	9	BF	BF	+ 38	4.07%	-15.51%	-26.93%
	iShares U.S. Oil & Gas Exploration & Pro IEO	81.23	467		26	28	26	13	14	9	28	17	18	22	22	24	16	11	13	23	29	30	D3	7	BF	BF	+ 37	3.44%	-12.93%	-17.57%
	Invesco S&P 500 Equal Weight Energy RYE	71.12	432		24	27	26	7	7	9	13	11	10	17	22	23	13	8	11	20	28	29	D3	2	BF	BF	- 24	3.82%	-11.99%	-16.11%
	United States Natural Gas Fund LP UNG	17.03	386		11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	D1	1	BF	AR	- 3	-8.59%	-18.28%	-7.14%
	First Trust Natural Gas ETF FCG	21.36	315		27	28	28	13	11	21	30	25	13	17	22	21	13	8	7	14	27	29	D3	3	BF	BF	+ 6	4.40%	-13.02%	-20.21%
	First Trust Energy AlphaDEX Fund FXN	14.23	274		27	29	29	17	11	24	29	25	19	21	22	24	14	9	11	20	28	29	D3	7	BF	BF	+ 34	4.56%	-12.72%	-20.74%

			Relative Strength Ranking - RSR																				% Price Δ							
Group or Corp	Ticker	Price	MKT Cap(MM)	04/18	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	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month		
EF-27	Energy																													
	Invesco DB Oil Fund	DBO	12.97	176	20	25	17	16	19	21	25	15	17	19	16	7	5	1	1	5	9	20	D3	2	BF	BF	- 6	3.84%	-6.49%	-16.54%
	SPDR S&P Oil & Gas Equipment & Services	XES	59.13	146	30	30	30	29	30	30	30	30	30	22	30	24	15	11	19	23	30	30	D3	9	BF	BF	+ 33	4.49%	-16.41%	-32.09%
	First Trust Nasdaq Oil & Gas ETF	FTXN	26.09	128	25	28	26	11	9	9	28	17	19	22	22	24	16	10	13	22	28	29	D3	8	BF	BF	+ 11	4.11%	-12.12%	-17.36%
	iShares U.S. Oil Equipment & Services	IEZ	16.50	125	29	30	29	22	26	27	29	28	19	19	22	23	14	10	18	23	29	30	D3	7	BF	BF	+ 35	4.04%	-14.33%	-25.06%
	United States Brent Oil Fund LP	BNO	28.19	83	17	23	16	13	16	19	24	15	12	16	13	8	7	1	1	6	14	21	D3	2	BF	BF	- 9	4.52%	-5.34%	-13.66%
	Invesco Dynamic Energy Exploration & Production	PXE	24.91	72	29	30	29	19	11	26	30	29	19	22	29	24	17	10	12	22	28	30	D3	8	BF	BF	+ 37	3.83%	-14.21%	-22.67%
	United States Gasoline Fund LP	UGA	58.71	70	17	23	15	13	18	21	28	17	11	11	6	12	14	4	2	7	14	24	D3	2	BF	BF	- 8	4.13%	-4.63%	-11.23%
	Invesco S&P SmallCap Energy ETF	PSCE	35.40	58	30	30	30	30	30	30	30	30	30	30	30	30	21	12	14	22	30	30	D3	10	BF	BF	+ 37	4.00%	-15.04%	-32.14%
	Invesco DB Energy Fund	DBE	17.87	49	15	18	10	4	6	13	8	4	3	6	8	8	4	1	1	6	9	20	D2	2	BF	BF	- 3	3.31%	-5.44%	-10.59%
	Invesco DWA Energy Momentum ETF	PXI	39.39	47	27	28	29	21	24	27	30	28	19	22	22	24	14	9	12	17	28	29	D3	7	BF	BF	+ 7	4.73%	-9.14%	-18.99%
	United States 12 Month Oil Fund LP	USL	34.53	41	20	25	17	16	19	21	25	22	17	18	17	13	11	4	1	6	12	22	D3	2	BF	BF	- 9	3.86%	-6.18%	-13.36%
Invesco Dynamic Oil & Gas Services E	PXJ	22.28	27	30	30	30	27	29	30	30	30	30	22	29	24	19	12	15	23	29	30	D3	9	BF	BF	+ 32	3.87%	-12.63%	-26.56%	
EF-28	Energy - MLP			12	16	10	1	1	2	6	1	2	3	2	2	1	1	1	1	2	5	D2	2	BF	AR	- 10	4.83%	-5.01%	-5.47%	
	Alerian MLP ETF	AMLP	48.64	10,127	12	16	9	1	1	1	2	1	2	3	8	9	9	8	9	12	14	15	D2	1	BF	AR	- 228	4.47%	-5.74%	-4.15%
	First Trust North American Energy Infrastructure	EMLP	36.21	3,123	9	13	9	3	5	5	8	6	8	10	10	11	9	7	7	9	9	10	D2	2	BF	AR	- 74	3.81%	-2.40%	-2.87%
	Global X MLP & Energy Infrastructure	MLPX	60.58	2,592	12	15	14	1	1	2	9	1	3	4	2	9	5	4	4	6	7	8	D2	2	BF	AR	- 95	4.43%	-5.08%	-7.27%
	Global X MLP ETF	MLPA	49.89	1,770	12	16	7	1	1	1	2	1	2	3	1	8	9	7	8	11	13	15	D2	1	BF	AR	- 228	4.70%	-5.78%	-4.11%
	Tortoise North American Pipeline Fund	TPYP	35.14	712	5	11	10	1	4	5	8	6	8	10	10	11	7	4	5	6	8	9	D2	1	AR	AR	- 92	4.43%	-2.31%	-3.58%
	InfraCap MLP ETF	AMZA	42.73	406	15	20	16	1	1	3	5	3	4	5	5	6	5	4	5	10	10	15	D2	2	BF	AR	- 171	6.80%	-9.01%	-8.44%
	Alerian Energy Infrastructure ETF	ENFR	31.08	291	12	16	12	1	1	2	12	2	3	4	9	9	6	4	5	6	7	9	D2	2	BF	AR	- 96	5.11%	-5.22%	-6.53%
	VanEck Energy Income ETF	EINC	95.08	82	12	16	14	1	1	3	13	2	3	4	2	9	6	4	5	6	8	9	D2	2	BF	AR	- 96	4.87%	-4.77%	-7.23%
EF-29	Financials			23	25	24	20	21	22	22	4	11	7	3	4	5	4	14	5	3	4	D3	4	BF	BR	- 19	1.67%	-6.92%	-11.49%	
	Financial Select Sector SPDR Fund	XLF	46.65	47,744	17	16	18	11	8	9	9	5	8	8	8	8	10	9	11	10	8	10	D2	4	BF	BR	- 73	-0.04%	-5.34%	-6.79%
	Vanguard Financials ETF	VFH	111.60	10,921	18	18	20	16	11	9	10	6	9	8	8	7	9	8	10	10	8	9	D3	1	BF	BR	- 74	0.34%	-5.84%	-8.74%
	iShares U.S. Financials ETF	IYF	105.43	3,458	18	17	19	15	14	9	13	6	9	9	8	8	9	8	11	11	9	10	D3	1	BF	BR	- 91	0.25%	-6.06%	-8.65%
	Invesco KBW Bank ETF	KBWB	56.76	3,264	27	28	28	25	23	26	13	6	7	7	5	5	6	5	8	7	6	7	D3	2	BF	BR	- 71	1.90%	-10.06%	-18.28%
	SPDR S&P Regional Banking ETF	KRE	51.42	2,887	29	30	29	26	27	27	28	11	17	11	9	9	11	10	15	12	10	11	D3	5	BF	BR	- 71	4.38%	-9.60%	-17.93%
	Fidelity MSCI Financials Index ETF	FNCL	64.91	2,019	18	18	20	15	15	9	10	6	9	8	8	8	9	8	10	10	8	9	D3	1	BF	BR	- 74	0.32%	-5.87%	-8.83%
	First Trust Financials AlphaDEX Fund	FXO	48.80	1,896	24	25	24	20	11	21	13	9	18	12	11	9	11	10	13	11	9	11	D3	4	BF	BR	- 72	1.24%	-7.68%	-12.60%
	iShares US Financial Services ETF	IYG	73.57	1,541	18	17	20	16	14	9	10	5	7	7	6	6	7	7	9	8	6	8	D3	1	BF	BR	- 72	0.34%	-5.81%	-9.40%
	SPDR S&P Bank ETF	KBE	48.09	1,438	27	29	27	25	26	26	27	10	18	12	9	10	13	10	18	13	12	12	D3	5	BF	BR	- 72	3.51%	-9.11%	-16.29%
	iShares U.S. Broker-Dealers & Securities	IAI	132.12	1,130	22	22	25	20	18	23	13	6	7	5	5	5	5	5	8	6	5	6	D3	1	BF	BR	- 73	0.37%	-6.96%	-12.50%
	SPDR S&P Insurance ETF	KIE	56.71	856	13	11	9	3	6	6	6	7	19	22	14	18	23	17	24	16	14	15	D2	1	BF	AR	- 91	0.50%	-3.94%	-0.52%
	iShares U.S. Insurance ETF	IAK	129.44	725	11	6	9	2	4	4	5	6	19	22	20	21	25	19	24	19	15	17	D1	1	BR	AR	- 90	0.27%	-3.34%	1.61%
	iShares U.S. Regional Banks ETF	IAT	41.66	585	29	30	29	28	28	29	29	17	19	13	11	10	11	9	12	11	10	11	D3	5	BF	BF	- 71	2.84%	-10.54%	-20.68%
	Invesco KBW Property & Casualty Insurance	KBWP	117.99	427	8	6	7	1	6	5	7	9	28	30	22	24	25	21	24	16	14	14	U3	1	AR	AR	- 83	0.94%	-1.85%	3.28%
	SPDR S&P Capital Markets ETF	KCE	117.01	418	27	28	28	26	27	28	28	11	11	10	8	7	8	8	10	7	5	7	D3	4	BF	BR	- 93	0.67%	-8.71%	-16.85%
	Invesco S&P 500 Equal Weight Financials	RYF	67.11	286	20	19	20	17	11	9	13	8	12	13	11	9	12	10	12	11	9	11	D3	3	BF	BR	- 73	0.21%	-6.52%	-9.62%
	First Trust Nasdaq Bank ETF	FTXO	27.39	205	28	29	29	25	26	27	26	8	10	8	7	7	8	6	10	10	8	9	D3	3	BF	BR	- 71	2.89%	-9.76%	-18.75%
	First Trust NASDAQ ABA Community Bank	QABA	48.41	97	27	29	26	25	27	26	27	17	19	13	12	12	16	15	24	16	13	12	D3	6	BF	BR	- 41	4.87%	-7.33%	-13.78%
	Invesco DWA Financial Momentum ETF	PFI	50.38	59	27	27	26	27	28	29	29	13	19	9	9	10	10	10	18	12	11	12	D3	5	BF	BR	- 72	1.29%	-5.62%	-14.45%
	Invesco KBW Regional Banking ETF	KBWR	51.31	46	27	29	28	26	27	27	28	13	19	12	9	10	13	11	19	13	12	12	D3	5	BF	BR	- 40	4.76%	-8.59%	-16.79%
	Invesco S&P SmallCap Financials ETF	PSCF	48.71	19	27	28	24	25	26	26	26	17	19	20	15	18	21	19	27	17	15	15	D3	7	BF	BF	- 71	3.11%	-7.58%	-12.39%

		Relative Strength Ranking - RSR																				% Price Δ								
Group or Corp	Ticker	Price	MKT Cap(MM)	04/	04/	04/	03/	03/	03/	03/	02/	02/	02/	02/	01/	01/	01/	01/	01/	12/	12/	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month		
				18	11	04	28	21	14	07	28	21	14	07	31	24	17	10	03	31	27									
EF-30	Healthcare			26	26	22	24	22	23	23	28	27	29	28	24	26	29	28	28	28	29	D3	6	BF	BF	- 6	0.50%	-9.31%	-9.63%	
	Health Care Select Sector SPDR Fund XLV	135.49	35,080	17	16	14	14	8	9	7	11	19	22	22	24	25	30	29	29	28	29	D2	3	BF	BF	+ 19	-1.01%	-7.22%	-2.97%	
	Vanguard Health Care ETF	VHT	246.13	15,101	18	17	16	17	11	9	9	13	19	22	22	24	25	29	28	29	28	29	D3	1	BF	BF	+ 19	-0.80%	-7.47%	-4.46%
	iShares Biotechnology ETF	IBB	118.29	5,223	27	28	26	25	23	21	13	27	19	30	29	24	25	30	29	29	28	29	D3	5	BF	BF	+ 18	1.14%	-11.45%	-10.75%
	SPDR S&P BIOTECH ETF	XBI	75.93	4,748	29	30	29	29	28	27	30	30	30	30	30	30	30	30	30	29	28	29	D3	17	BF	BF	+ 16	2.15%	-12.84%	-13.68%
	iShares U.S. Medical Devices ETF	IHI	56.93	4,330	18	17	17	17	18	9	7	6	7	9	9	9	10	11	11	16	14	16	D2	4	BF	BR	- 67	0.80%	-4.50%	-7.89%
	iShares U.S. Healthcare ETF	IYH	56.33	2,898	19	17	16	17	15	9	9	13	19	22	22	24	25	29	28	29	28	29	D3	1	BF	BF	+ 19	-1.02%	-7.87%	-4.77%
	Fidelity MSCI Health Care Index ETF	FHLC	63.45	2,497	18	17	16	17	15	9	9	17	19	22	22	24	25	29	28	29	28	29	D3	1	BF	BF	+ 19	-0.67%	-7.56%	-4.47%
	First Trust NYSE Arca Biotechnology Ir FBT		152.24	990	25	25	19	21	20	16	9	5	6	15	9	4	7	14	6	18	20	18	D3	1	BF	BF	- 45	0.14%	-9.25%	-11.99%
	First Trust Health Care AlphaDEX Func FXH		96.22	866	24	22	18	22	11	22	13	27	19	22	22	19	23	24	23	28	25	26	D3	6	BF	BF	+ 16	-0.89%	-7.72%	-10.94%
	Invesco S&P 500 Equal Weight Health RYH		27.45	727	22	19	17	19	11	9	10	17	19	30	22	20	23	24	24	29	27	29	D3	4	BF	BF	+ 19	-1.19%	-7.85%	-8.94%
	iShares U.S. Healthcare Providers ETF IHF		50.18	637	15	1	6	11	15	9	13	29	30	22	30	24	25	30	30	30	30	30	U3	2	BF	BF	+ 20	-8.10%	-3.57%	0.73%
	VanEck Pharmaceutical ETF	PPH	83.98	595	17	19	13	8	6	7	5	8	19	30	29	24	30	30	29	29	28	29	D2	2	BF	BF	- 5	2.40%	-8.82%	-0.99%
	VanEck Biotech ETF	BBH	144.52	330	25	25	19	20	19	16	17	23	25	30	29	28	30	30	29	30	30	29	D3	4	BF	BF	+ 22	0.14%	-10.78%	-8.64%
	Invesco Dynamic Pharmaceuticals ETF PJP		77.35	231	21	24	16	16	9	9	9	12	18	22	21	22	25	28	25	23	25	27	D3	3	BF	BF	- 8	1.22%	-9.27%	-6.08%
	Invesco Dynamic Biotechnology & Gen PBE		59.03	212	27	27	23	25	11	22	25	29	19	22	29	23	24	24	19	23	25	25	D3	9	BF	BF	+ 12	1.37%	-10.86%	-12.73%
	SPDR S&P Health Care Equipment ET XHE		75.43	162	29	28	26	27	28	27	27	27	24	20	11	5	6	10	6	12	17	14	D3	4	BF	BF	- 64	-0.19%	-9.05%	-18.39%
	Invesco S&P SmallCap Health Care E1 PSCH		39.27	145	27	27	21	26	27	28	28	29	19	12	15	12	17	23	18	22	21	20	D3	6	BF	BF	+ 5	-0.18%	-8.00%	-13.57%
	SPDR S&P Pharmaceuticals ETF	XPH	38.42	138	27	28	23	23	11	21	13	17	19	22	22	19	20	24	23	23	21	22	D3	4	BF	BF	- 37	2.02%	-12.44%	-11.84%
	Invesco DWA Healthcare Momentum E PTH		37.32	101	26	27	26	28	27	29	30	30	30	20	29	29	30	30	30	30	30	30	D3	6	BF	BF	- 7	1.83%	-7.60%	-7.00%
	SPDR S&P Health Care Services ETF XHS		94.20	86	13	4	7	7	8	9	9	10	10	11	14	10	13	18	19	27	27	28	D2	1	BF	BR	- 12	-2.70%	-2.80%	-2.17%
	ALPS Medical Breakthroughs ETF	SBIO	26.48	76	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	29	D3	16	BF	BF	- 68	4.83%	-13.32%	-14.47%
	Virtus LifeSci Biotech Products ETF	BBP	53.94	19	27	28	25	20	20	21	24	27	19	26	29	26	21	29	28	26	27	27	D3	5	BF	BF	- 7	1.99%	-11.48%	-10.32%
	First Trust Nasdaq Pharmaceuticals E1 FTXH		24.36	13	26	27	18	17	8	7	6	13	19	30	29	24	25	29	26	28	26	28	D3	3	BF	BF	- 2	1.33%	-13.24%	-9.19%
	Virtus LifeSci Biotech Clinical Trials ETI BBC		16.64	10	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	D3	18	BF	BF	- 68	5.98%	-14.88%	-23.77%
Loncar Cancer Immunotherapy ETF	CNCR	9.07	7	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	D3	8	BF	BF	- 8	1.93%	-14.90%	-22.26%	
EF-31	Materials			16	16	20	17	20	17	20	26	26	24	25	26	25	25	29	29	29	29	D3	4	BF	BF	- 3	1.19%	-3.18%	-3.79%	
	iShares Silver Trust	SLV	29.55	14,744	4	3	10	1	2	1	2	17	3	8	8	13	21	21	12	24	28	26	D1	1	AR	AR	- 3	1.23%	-1.57%	7.03%
	Sprott Physical Gold and Silver Trust U CEF	29.35	5,710	1	1	1	1	1	1	1	1	4	2	4	2	4	11	11	2	16	20	19	U3	14	AR	AR	+ 13	2.55%	6.34%	17.68%
	Materials Select Sector SPDR Fund	XLB	80.75	4,835	20	21	21	23	24	23	13	27	29	22	29	24	25	27	30	30	29	29	D3	4	BF	BF	+ 16	0.31%	-5.43%	-8.15%
	Vanguard Materials ETF	VAW	178.07	2,336	22	23	24	25	26	24	13	28	29	22	29	24	25	24	30	30	28	29	D3	5	BF	BF	+ 15	0.32%	-5.51%	-9.11%
	SPDR S&P Metals & Mining ETF	XME	54.73	1,461	22	25	29	26	27	26	30	30	30	22	29	30	25	24	29	29	30	30	D3	10	BF	BF	+ 14	1.73%	-4.54%	-9.17%
	iShares U.S. Basic Materials ETF	IYM	127.08	470	20	20	22	21	23	21	13	27	28	22	30	24	25	27	30	30	30	30	D3	4	BF	BF	+ 17	0.67%	-5.68%	-7.23%
	Fidelity MSCI Materials Index ETF	FMAT	45.64	395	22	23	23	25	26	25	25	28	29	22	29	24	25	24	30	30	28	29	D3	5	BF	BF	+ 15	0.37%	-5.41%	-9.18%
	Sprott Gold Miners ETF	SGDM	42.88	385	1	1	1	1	1	1	1	1	2	2	1	6	16	23	20	28	29	29	U3	7	AR	AR	+ 2	3.30%	17.32%	45.60%
	First Trust Materials AlphaDEX Fund	FXZ	51.14	202	27	28	29	28	28	27	29	30	30	30	30	30	30	29	30	30	30	30	D3	17	BF	BF	+ 41	0.69%	-8.23%	-14.66%
	Invesco S&P 500 Equal Weight Materie RTM		29.43	167	27	27	26	27	28	27	29	30	30	30	30	30	29	25	24	30	30	29	D3	15	BF	BF	+ 16	0.04%	-7.07%	-13.69%
	Invesco DWA Basic Materials Momenti PYZ		79.67	45	26	27	27	26	27	26	28	29	30	22	29	24	23	20	28	29	28	29	D3	10	BF	BF	+ 13	1.01%	-6.75%	-13.39%
Invesco S&P SmallCap Materials ETF	PSCM	60.82	11	30	30	30	30	30	29	29	30	30	30	30	30	25	28	30	29	28	29	D3	10	BF	BF	+ 14	2.05%	-10.27%	-18.72%	
EF-32	Manufacturing			23	22	26	25	26	26	26	23	27	16	8	5	3	4	6	5	7	5	D3	6	BF	BR	- 19	-0.31%	-5.26%	-12.70%	
	Industrial Select Sector SPDR Fund	XLI	125.30	18,341	19	18	22	21	11	21	13	17	19	20	16	14	13	14	16	18	15	16	D3	6	BF	BR	- 72	-0.29%	-4.96%	-8.76%
	iShares U.S. Aerospace & Defense ET ITA	149.55	6,102	12	8	18	7	6	8	13	9	19	17	12	11	13	15	17	19	15	16	D2	3	BF	AR	- 72	0.30%	-3.35%	-1.20%	
	Vanguard Industrials ETF	VIS	236.90	4,729	21	20	25	25	25	25	13	17	19	22	16	14	13	13	15	17	15	16	D3	6	BF	BF	- 72	-0.17%	-5.03%	-10.83%
	Invesco Aerospace & Defense ETF	PPA	115.80	4,501	13	10	18	15	11	9	13	17	28	22	14	12	13	12	13	15	13	13	D3	5	AF	AR	- 75	0.35%	-1.42%	-3.06%

		Relative Strength Ranking - RSR																				% Price Δ								
Group or Corp	Ticker	Price	MKT Cap(MM)	04/18	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	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month		
EF-32	Manufacturing																													
	SPDR S&P Aerospace & Defense ETF	XAR	162.86	2,598	13	11	21	19	11	9	13	17	19	15	10	8	7	8	8	8	7	9	D3	3	AF	AR	- 74	0.28%	-0.82%	-5.56%
	First Trust Industrials/Producer Durable FXR		64.64	1,613	28	27	28	28	28	29	29	29	30	22	21	14	13	13	19	17	15	15	D3	7	BF	BF	+ 6	-1.19%	-7.75%	-17.37%
	iShares U.S. Industrials ETF	IYJ	122.86	1,499	22	21	25	24	24	24	13	17	19	17	14	12	13	13	15	15	13	13	D3	5	BF	BR	- 72	-0.45%	-5.74%	-10.98%
	Fidelity MSCI Industrial Index ETF	FIDU	65.70	1,192	20	19	25	25	24	25	13	17	19	22	17	14	13	14	18	18	16	16	D3	7	BF	BF	- 72	-0.09%	-4.82%	-10.47%
	ARK Autonomous Technology & Roboti	ARKQ	64.69	792	27	25	29	27	25	25	23	5	2	1	1	1	1	1	1	1	1	1	D3	2	BF	BR	- 15	-1.40%	-7.01%	-20.16%
	Invesco DWA Industrials Momentum E PRN		132.10	314	29	28	29	30	30	30	30	30	30	22	18	22	10	11	13	12	13	12	D3	7	BF	BF	+ 6	-0.29%	-6.24%	-19.11%
	Invesco S&P SmallCap Industrials ETF PSCI		112.16	114	29	28	29	30	30	29	30	29	30	22	15	13	13	11	13	13	13	14	D3	6	BF	BF	+ 5	-0.64%	-7.42%	-20.04%
First Trust Nasdaq Transportation ETF FTXR		27.48	25	29	29	29	30	30	30	29	29	19	17	14	11	9	7	7	10	6	8	D3	5	BF	BF	- 69	-0.08%	-8.75%	-22.91%	
EF-33	Real Estate																													
	Vanguard Real Estate ETF	VNQ	86.84	32,937	16	19	16	17	11	9	13	13	19	22	22	24	25	28	30	27	27	27	D3	3	BF	BR	+ 12	3.84%	-2.81%	-2.14%
	Schwab U.S. REIT ETF	SCHH	20.68	7,285	15	19	16	17	11	9	13	17	19	22	29	29	25	28	30	28	27	28	D3	3	BF	BR	+ 13	4.02%	-2.18%	-1.63%
	Real Estate Select Sector SPDR Fund	XLRE	40.45	7,069	15	18	15	17	11	9	10	11	19	22	22	24	25	27	29	28	27	27	D3	3	BF	BR	- 3	3.93%	-1.93%	-0.90%
	iShares Global REIT ETF	REET	23.69	3,749	15	18	16	18	21	9	13	17	19	22	29	29	25	29	29	28	27	28	D3	4	BF	BR	+ 14	4.13%	-1.29%	-0.87%
	iShares U.S. Real Estate ETF	IYR	91.93	2,933	15	18	15	17	19	9	10	12	19	22	22	24	25	28	30	27	27	27	D3	3	BF	BR	+ 13	3.76%	-2.64%	-1.69%
	iShares Core U.S. REIT ETF	USRT	55.01	2,781	17	22	17	19	22	9	13	13	19	22	22	24	25	27	29	23	25	25	D3	4	BF	BR	- 7	3.87%	-2.79%	-3.41%
	iShares Cohen & Steers REIT ETF	ICF	59.63	1,899	15	18	15	17	20	9	13	17	19	22	29	29	25	28	29	27	27	27	D3	3	BF	BR	+ 13	3.98%	-1.75%	-0.97%
	SPDR Dow Jones REIT ETF	RWR	94.45	1,805	17	22	17	19	11	9	13	11	19	22	22	24	25	27	29	23	24	22	D3	4	BF	BR	+ 5	4.07%	-2.83%	-3.45%
	Fidelity MSCI Real Estate Index ETF	FREL	26.34	1,021	16	19	16	17	20	9	13	13	19	22	22	24	25	28	29	26	27	26	D3	3	BF	BR	+ 1	3.95%	-2.88%	-2.22%
	iShares Residential and Multisector Re	REZ	82.28	810	13	16	9	5	14	8	7	9	19	22	22	29	30	29	29	28	27	27	D2	1	BF	BR	- 7	3.80%	-2.05%	2.32%
	iShares Mortgage Real Estate ETF	REM	19.94	534	23	27	15	14	4	5	4	6	9	11	14	19	25	22	29	22	27	25	D2	2	BF	BF	- 10	3.58%	-13.19%	-8.76%
	VanEck Mortgage REIT Income ETF	MORT	9.59	263	24	27	15	8	6	5	4	6	9	12	14	19	25	22	29	22	27	25	D2	2	BF	BF	- 10	3.56%	-13.07%	-9.09%
	Invesco KBW Premium Yield Equity RE	KBWY	15.51	205	27	29	25	27	29	28	28	30	30	30	30	30	30	30	30	30	30	29	D3	16	BF	BF	+ 15	4.87%	-6.64%	-10.77%
	First Trust S&P REIT Index Fund	FRI	26.33	143	17	22	17	19	23	21	13	13	19	22	22	24	25	27	29	23	25	25	D3	4	BF	BR	+ 11	4.19%	-2.39%	-3.37%
	Invesco S&P 500 Equal Weight Real E	EWRE	34.17	109	16	19	16	17	11	9	13	17	19	29	22	28	25	27	29	23	25	25	D3	3	BF	BR	+ 11	3.58%	-2.73%	-2.46%
	Invesco Active U.S. Real Estate Fund	PSR	89.33	58	15	18	15	16	11	9	10	13	19	22	29	29	25	29	30	27	27	27	D3	3	BF	BR	+ 13	3.76%	-2.28%	-0.37%
	US Diversified Real Estate ETF	PPTY	29.35	44	21	26	19	21	26	24	13	17	28	29	22	24	25	27	29	23	22	22	D3	5	BF	BR	+ 10	3.52%	-4.47%	-7.27%
Nuveen Short-Term REIT ETF	NURE	29.28	44	19	25	18	19	11	22	13	17	29	30	29	30	30	29	29	23	25	22	D3	4	BF	BF	+ 13	3.59%	-4.84%	-5.51%	
EF-34	Technology																													
	Vanguard Information Technology ETF	VGT	505.53	70,988	29	27	29	28	27	26	27	25	7	5	6	6	3	3	4	3	5	3	D3	4	BF	BF	- 17	-1.58%	-10.64%	-18.51%
	Technology Select Sector SPDR Fund	XLK	192.86	59,720	29	27	29	29	28	27	28	28	11	12	16	19	13	13	11	11	9	12	D3	5	BF	BF	- 115	-2.77%	-9.70%	-17.48%
	VanEck Semiconductor ETF	SMH	192.53	19,155	30	29	30	30	29	27	30	30	13	15	25	25	4	3	6	6	20	14	D3	6	BF	BF	- 118	-4.36%	-14.34%	-25.45%
	iShares U.S. Technology ETF	IYW	131.33	16,449	29	27	29	29	27	27	28	26	10	10	14	14	11	11	10	10	8	9	D3	5	BF	BF	- 113	-3.22%	-10.19%	-18.53%
	Fidelity MSCI Information Technology I	FTEC	150.25	10,660	29	27	29	29	28	27	28	27	10	11	14	14	11	11	9	9	7	8	D3	5	BF	BF	- 114	-2.79%	-10.41%	-19.44%
	iShares Semiconductor ETF	SOXX	166.55	10,126	30	30	30	30	30	29	30	30	19	22	29	24	15	14	19	22	22	29	D3	8	BF	BF	+ 23	-3.31%	-16.47%	-27.41%
	iShares Expanded Tech-Software Sect	IGV	86.59	9,624	27	26	28	29	27	27	28	23	9	3	2	2	2	3	2	1	1	1	D3	5	BF	BR	- 18	-0.70%	-7.00%	-13.69%
	First Trust NASDAQ Cybersecurity ETF	CIBR	61.77	7,595	16	13	19	17	8	7	5	7	7	5	6	7	9	10	7	9	7	8	D2	3	BF	BR	- 110	-1.26%	-4.93%	-4.58%
	First Trust Dow Jones Internet Index F	FDN	211.93	5,701	27	25	27	26	24	24	19	4	2	1	1	1	1	1	1	1	1	1	D3	2	BF	BR	- 9	-1.69%	-8.01%	-15.07%
	iShares Expanded Tech Sector ETF	IGM	85.03	4,906	29	27	29	29	27	26	26	17	9	8	10	10	9	10	8	8	6	8	D3	3	BF	BF	- 114	-2.60%	-10.07%	-18.13%
	Invesco S&P 500 Equal Weight Technr	RYT	31.77	2,844	29	28	29	28	27	27	28	28	12	12	14	14	13	14	13	15	13	15	D3	5	BF	BF	- 74	-0.53%	-10.19%	-17.40%
	First Trust NASDAQ Technology Divid	TDIV	68.75	2,499	27	26	28	26	25	23	13	17	10	13	16	15	13	14	13	15	13	16	D3	5	BF	BF	- 116	-1.14%	-9.22%	-14.52%
	First Trust NASDAQ-100 Technology S	QTEC	161.23	2,370	29	28	29	29	27	27	28	27	9	9	13	13	14	14	16	16	16	19	D3	5	BF	BF	- 29	-1.56%	-11.56%	-18.00%
	First Trust Technology AlphaDEX Fund	FXL	125.02	1,107	29	28	29	29	28	27	28	27	9	3	2	1	1	2	2	1	3	2	D3	4	BF	BF	- 116	-0.33%	-9.03%	-18.61%
	SPDR S&P Semiconductor ETF	XSD	172.80	907	30	30	30	30	30	29	30	30	19	22	22	14	9	7	9	8	8	13	D3	4	BF	BF	+ 6	-2.25%	-20.46%	-34.58%
	SPDR NYSE Technology ETF	XNTK	177.86	831	27	26	28	25	11	9	13	13	6	6	9	11	10	10	10	10	9	11	D3	2	BF	BF	- 115	-1.63%	-11.38%	-15.42%

		Relative Strength Ranking - RSR																				% Price Δ								
Group or Corp	Ticker	Price	MKT Cap(MM)	04/18	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	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month		
EF-34	Technology																													
	Invesco NASDAQ Internet ETF	PNQI	41.65	728	25	23	26	25	20	21	17	4	2	2	1	1	2	2	1	1	1	1	D3	2	BF	BR	- 8	-1.28%	-8.88%	-12.28%
	Invesco Dynamic Semiconductors ETF	PSI	42.04	523	30	30	30	30	29	30	30	30	11	17	14	12	8	5	7	10	11	16	D3	4	BF	BF	+ 5	-2.84%	-17.74%	-33.93%
	SPDR S&P Software & Services ETF	XSW	150.40	408	29	28	29	29	28	28	29	28	10	7	6	6	7	6	5	4	3	3	D3	4	BF	BF	- 73	-1.34%	-10.18%	-20.74%
	iShares U.S. Tech Independence Focu	IETC	71.66	401	27	25	28	28	26	26	26	17	9	7	8	9	7	8	6	6	5	6	D3	3	BF	BF	- 113	-2.81%	-8.40%	-17.30%
	First Trust Indxx NextG ETF	NXTG	81.69	327	17	16	18	17	9	7	7	13	9	12	15	19	14	15	15	16	14	16	D2	3	BF	BF	- 73	0.63%	-6.01%	-5.86%
	Invesco S&P SmallCap Information Te	PSCT	36.29	217	30	30	30	30	30	30	30	30	30	30	22	21	15	14	15	15	14	15	D3	6	BF	BF	+ 8	-0.44%	-13.24%	-26.64%
	First Trust Nasdaq Semiconductor ETF	FTXL	67.24	198	30	30	30	30	30	29	30	30	19	22	30	24	15	14	19	22	22	29	D3	8	BF	BF	+ 23	-2.83%	-16.28%	-28.07%
	iShares North American Tech-Multimec	IGN	71.30	100	24	27	26	26	24	25	28	28	16	17	13	14	11	10	11	10	9	10	D3	5	BF	BF	- 65	2.46%	-6.75%	-13.89%
	SPDR FactSet Innovative Technology	XITK	150.98	82	27	27	28	26	24	24	27	5	2	1	1	1	1	1	1	1	1	1	D3	2	BF	BR	- 9	-0.68%	-9.81%	-16.89%
	SPDR S&P Kensho Future Security ET	FITE	60.76	66	20	18	25	22	11	9	13	17	11	8	7	7	8	9	7	6	5	7	D3	2	BF	BR	- 74	-0.86%	-6.09%	-10.87%
	Invesco Dynamic Networking ETF	PXQ	96.00	29	20	19	24	22	11	9	13	11	8	9	11	12	11	11	12	11	9	12	D3	2	BF	BF	- 107	-0.61%	-6.93%	-10.35%
	SPDR S&P Kensho Smart Mobility ETF	HAIL	23.34	18	29	28	28	26	11	21	13	17	10	11	14	19	14	12	11	8	11	15	D3	4	BF	BF	- 20	-0.65%	-14.14%	-19.13%
EF-35	Transportation																													
	iShares US Transportation ETF	IYT	59.64	564	27	28	28	27	27	27	13	17	19	12	14	19	13	14	12	17	16	20	D3	6	BF	BF	- 31	0.80%	-8.32%	-15.33%
	SPDR S&P Transportation ETF	XTN	67.79	140	30	30	30	30	30	30	30	29	19	15	13	11	10	9	7	10	9	12	D3	5	BF	BF	+ 5	1.16%	-9.80%	-24.67%
EF-36	Utilities																													
	Utilities Select Sector SPDR Fund	XLU	77.77	17,481	11	11	10	14	9	8	13	17	11	21	22	23	18	16	19	17	17	19	D3	2	AR	AR	- 58	1.90%	-0.54%	-0.66%
	Vanguard Utilities ETF	VPU	168.78	6,609	9	10	9	13	9	7	13	13	11	21	22	23	18	16	19	17	18	19	D2	3	AR	AR	- 58	1.99%	-0.23%	-0.10%
	Invesco Water Resources ETF	PHO	62.24	1,975	20	19	19	24	26	24	13	27	30	22	29	24	25	24	29	28	27	26	D3	13	BF	BF	+ 13	0.23%	-3.12%	-8.05%
	Fidelity MSCI Utilities Index ETF	FUTY	50.31	1,695	10	10	9	13	14	7	13	13	11	21	22	22	18	16	19	17	18	19	D2	3	AR	AR	- 58	1.90%	-0.30%	-0.11%
	First Trust Water ETF	FIW	97.10	1,646	19	19	18	23	25	21	13	26	28	22	22	24	25	24	29	28	25	25	D3	13	BF	BF	+ 13	0.75%	-3.00%	-7.57%
	First Trust Utilities AlphaDEX Fund	FXU	40.62	1,432	4	3	6	2	5	4	7	6	8	12	14	14	14	12	12	12	13	13	U3	10	AR	AR	- 68	2.52%	0.13%	4.27%
	iShares U.S. Utilities ETF	IDU	100.23	1,408	8	9	9	12	14	7	13	11	10	19	20	21	18	16	18	18	19	20	D2	3	AR	AR	- 67	1.84%	-0.08%	0.65%
	Invesco S&P 500 Equal Weight Utilities	RYU	68.66	413	5	6	8	6	7	6	10	9	10	18	21	22	19	15	18	15	15	15	D1	2	AR	AR	- 68	2.13%	-0.43%	1.92%
	Virtus Reaves Utilities ETF	UTES	64.53	394	14	15	18	19	16	9	28	13	8	8	9	9	5	4	5	6	8	9	D3	1	BF	AR	- 67	2.33%	-1.41%	-8.03%
	Invesco DWA Utilities Momentum ETF	PUI	40.36	69	8	9	9	8	8	7	13	10	10	16	19	21	15	13	15	16	15	16	D2	2	AR	AR	- 67	2.15%	-0.63%	0.12%
	Invesco S&P SmallCap Utilities & Com	PSCU	53.99	13	22	25	20	25	24	25	25	30	30	22	22	24	25	20	24	16	15	15	D3	8	BF	BR	+ 6	1.09%	-6.33%	-9.81%
	GLOBAL/INTL																													
EF-37	Global Index (Intl)																													
	Vanguard FTSE Developed Markets E	VEA	50.75	144,177	4	6	12	4	4	4	4	10	10	15	20	22	22	24	25	28	26	28	D1	2	BR	AR	- 8	2.71%	-2.50%	4.97%
	iShares MSCI EAFE ETF	EFA	81.10	57,565	4	6	10	3	2	1	1	4	6	11	17	20	21	26	26	28	27	26	D1	2	BR	AR	- 3	2.70%	-3.06%	5.63%
	Vanguard Total World Stock ETF	VT	111.18	40,728	18	17	19	19	17	9	10	13	11	12	14	14	14	16	15	16	14	15	D3	3	BF	BF	- 73	0.06%	-5.46%	-6.64%
	iShares Core MSCI Total International	IXUS	68.92	39,250	8	10	12	5	4	3	2	7	7	14	19	22	22	26	25	25	25	25	D2	1	BR	AR	- 71	2.15%	-3.47%	3.19%
	iShares MSCI ACWI ETF	ACWI	111.40	19,027	18	17	19	19	17	16	17	10	8	10	11	12	12	15	14	11	13	11	D3	2	BF	BF	- 74	0.27%	-5.58%	-6.86%
	iShares Global 100 ETF	IOO	91.19	5,791	21	19	23	22	20	19	17	10	6	8	13	11	10	11	8	6	7	7	D3	3	BF	BF	- 118	-1.31%	-7.38%	-10.39%
	iShares MSCI World ETF	URTH	146.67	4,063	18	17	20	20	19	18	17	9	8	9	10	11	11	13	12	10	11	10	D3	3	BF	BF	- 75	-0.17%	-5.51%	-7.41%
	Franklin U.S. Equity Index ETF	USPX	46.14	962	24	20	24	24	23	23	13	11	10	12	13	12	13	12	11	12	10	12	D3	4	BF	BF	- 116	-1.40%	-6.88%	-11.91%
	SPDR Portfolio MSCI Global Stock Ma	SPGM	59.77	923	18	18	20	19	18	17	17	15	8	10	11	13	12	15	14	11	13	11	D3	3	BF	BF	- 73	0.05%	-5.74%	-7.26%
	Cambria Shareholder Yield ETF	SYLD	58.62	920	28	28	26	27	29	29	29	30	30	22	29	24	24	21	28	26	25	26	D3	10	BF	BF	+ 13	0.31%	-8.52%	-16.50%
	Davis Select Worldwide ETF	DWLD	35.06	355	18	17	18	14	8	7	2	4	3	4	7	8	11	15	18	11	9	9	D2	3	BF	BR	- 72	-0.54%	-8.65%	-4.59%
	SPDR Global Dow ETF	DGT	133.18	296	14	14	16	6	5	5	4	7	8	10	13	13	15	17	19	19	16	20	D2	2	BF	BR	- 73	1.28%	-6.01%	-1.24%
	SPDR SSgA Global Allocation ETF	GAL	43.64	237	14	13	10	13	8	7	8	13	12	17	18	19	19	19	17	18	16	18	D2	3	BF	BR	- 71	1.06%	-3.50%	-1.82%
	iShares Currency Hedged MSCI ACWI	HAWX	31.68	237	15	15	15	5	4	3	2	4	5	7	9	10	14	14	11	12	12	14	D2	2	BF	BR	- 75	1.12%	-7.04%	-3.12%
	Cambria Global Value ETF	GVAL	24.56	171	1	1	1	1	1	1	1	1	2	4	8	11	17	22	23	25	24	25	U3	9	AR	AR	+ 13	2.72%	-0.53%	15.77%

		Relative Strength Ranking - RSR																				% Price Δ							
Group or Corp	Ticker	Price	MKT Cap(MM)	04/18	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	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	33.55	163	15	16	15	6	4	3	2	4	5	6	8	9	13	12	11	13	14	17	D2	2	BF	BR	- 74	1.65%	-7.03%	-3.56%
	First Trust Developed Markets ex-US S FDTS	42.11	6	4	5	15	5	5	5	5	17	13	16	20	24	23	24	24	23	24	22	D2	1	AR	AR	- 8	2.84%	-1.85%	5.34%
EF-38	Ex-US (Intl)			5	9	11	3	2	1	2	4	6	9	14	19	19	23	22	23	24	23	D2	1	BR	AR	- 3	2.56%	-3.67%	3.35%
	iShares Core MSCI EAFE ETF IEFA	75.36	127,389	4	5	11	3	2	1	1	5	6	11	18	21	21	26	26	28	27	26	D1	2	BR	AR	- 3	2.71%	-2.84%	5.61%
	Vanguard Total International Stock ETF VXUS	61.32	82,284	8	10	13	7	4	5	5	11	10	15	21	23	23	24	25	23	24	26	D2	1	BR	AF	- 9	2.15%	-3.37%	3.37%
	Schwab International Equity ETF SCHF	19.72	42,907	4	6	11	4	2	2	2	5	7	12	18	21	21	26	25	27	27	27	D1	2	BR	AR	- 3	2.60%	-3.00%	4.84%
	Vanguard FTSE All-World ex-US Index VEU	59.80	39,950	8	9	12	5	4	5	5	11	10	15	21	23	22	24	25	23	24	26	D2	1	BR	AR	- 9	2.05%	-3.56%	3.53%
	SPDR Portfolio Developed World ex-U: SPDW	36.31	23,769	4	6	12	4	3	2	2	5	7	12	18	21	21	26	25	27	27	26	D1	2	BR	AR	- 3	2.69%	-2.68%	4.76%
	Schwab Fundamental International Lar FNDF	35.81	14,363	4	5	9	2	1	1	1	5	8	15	21	24	23	27	28	28	27	28	D1	2	AR	AR	- 3	2.90%	-3.16%	6.39%
	Vanguard FTSE All-World ex-US Small VSS	115.98	8,045	11	12	16	14	10	11	12	25	21	24	27	28	26	28	28	25	25	25	D2	2	AF	BF	- 71	2.59%	-2.20%	2.07%
	iShares Currency Hedged MSCI EAFE HEFA	34.39	7,363	15	16	15	4	3	2	2	2	4	6	7	7	11	12	9	15	14	17	D2	2	BF	BF	- 126	2.20%	-7.37%	-3.29%
	Xtrackers MSCI EAFE Hedged Equity i DBEF	40.90	7,311	15	16	15	4	4	2	2	2	5	6	7	6	11	12	8	14	14	15	D2	2	BF	BF	- 126	1.84%	-7.57%	-3.72%
	iShares MSCI ACWI ex U.S. ETF ACWX	54.65	5,684	6	8	11	4	4	2	2	5	6	13	19	22	22	26	24	25	25	25	D2	1	BR	AR	- 71	2.13%	-3.53%	3.62%
	Goldman Sachs ActiveBeta Internation GSIE	35.65	3,672	4	5	10	3	4	4	4	9	10	13	18	21	22	24	24	23	24	27	D1	2	AR	AR	- 9	2.77%	-2.14%	6.07%
	SPDR MSCI ACWI ex-US ETF CWI	29.10	1,685	8	10	12	4	4	2	2	7	6	14	19	22	22	25	24	25	25	24	D2	1	BR	AR	- 71	2.36%	-3.71%	3.23%
	iShares International Equity Factor ETF INTF	30.82	1,412	4	5	11	3	2	1	1	4	6	11	16	20	21	26	24	26	25	25	D1	2	AR	AR	- 3	3.08%	-2.34%	6.31%
	Franklin International Core Dividend Til DIVI	32.34	1,297	4	6	10	3	2	4	3	9	10	15	19	22	23	24	27	28	27	29	D1	2	BR	AR	- 8	3.13%	-2.97%	6.05%
	Pacer Developed Markets International ICOW	30.73	1,023	5	9	10	2	1	1	1	11	11	15	20	24	25	24	24	27	27	29	D1	2	BR	AF	+ 22	3.02%	-4.18%	4.35%
	IQ FTSE International Equity Currency HFXI	26.70	977	12	11	14	4	4	2	2	4	6	8	14	13	18	21	21	23	24	23	D2	2	BF	BR	- 3	2.03%	-5.08%	0.53%
	John Hancock Multifactor Developed Ir JHMD	34.84	652	4	4	9	2	1	1	1	4	6	11	17	21	23	26	27	28	27	27	D1	2	AR	AR	+ 1	2.77%	-2.32%	7.04%
	SPDR S&P International Small Cap ET GWX	32.54	631	4	8	16	9	6	6	6	20	13	17	20	25	24	27	28	25	25	26	D2	2	AR	AR	- 3	3.37%	-0.60%	4.93%
	WisdomTree International Equity Fund DWM	58.03	522	3	3	8	1	3	3	3	9	10	13	18	21	23	24	26	28	26	29	D1	1	AR	AR	- 8	2.88%	-1.39%	9.16%
	FlexShares Morningstar Developed Ma TLTD	74.42	461	3	4	9	2	1	4	3	9	10	12	16	20	22	24	24	23	22	27	D1	2	AR	AR	- 9	2.79%	-2.16%	7.48%
	WisdomTree Dynamic Currency Hedge DDWM	36.47	438	4	4	9	2	4	4	4	7	9	12	14	14	18	18	15	21	20	22	D1	2	AR	AR	- 73	2.85%	-1.70%	4.70%
	Invesco FTSE RAFI Developed Market PDN	33.97	392	3	4	11	4	5	4	5	17	12	17	22	24	24	28	23	27	28	28	D1	2	AR	AR	- 7	3.32%	-0.65%	7.25%
	WisdomTree Dynamic Currency Hedge DDLS	35.28	383	6	8	15	5	6	6	6	11	12	16	17	19	23	21	19	18	17	22	D2	2	AR	AR	- 71	2.26%	-2.10%	1.88%
	Vident International Equity Strategy ET VIDI	25.61	320	9	10	12	5	4	5	5	12	10	13	16	20	18	20	19	21	17	20	D2	1	BF	AR	- 71	2.32%	-3.69%	1.89%
	Davis Select International ETF DINT	21.74	204	16	16	16	7	4	2	1	7	4	7	20	24	21	21	24	16	13	11	D2	2	BF	BR	- 61	1.64%	-8.42%	-0.20%
	VanEck Morningstar International Moat MOTI	32.77	167	4	4	7	2	1	1	1	2	3	6	17	13	21	26	29	28	25	24	D1	2	BR	AR	- 3	1.74%	-3.56%	7.67%
	Invesco International BuyBack Achieve IPKW	42.99	155	4	5	8	1	2	2	2	4	5	8	13	14	19	22	23	23	24	27	D1	2	BR	AR	- 11	2.77%	-6.51%	7.08%
	iShares Currency Hedged MSCI EAFE HSCZ	31.24	150	15	16	16	8	6	6	6	9	10	11	11	10	15	16	13	11	10	12	D2	3	BF	BF	- 73	2.35%	-5.34%	-2.66%
	First Trust International Equity Opportu FPXI	47.06	129	16	17	19	21	19	17	17	13	5	4	5	6	7	16	14	16	23	20	D3	1	BF	BF	- 72	2.71%	-2.77%	-3.76%
	First Trust Riverfront Dynamic Develop RFDI	66.09	107	4	5	9	2	4	4	4	9	10	15	18	22	23	24	24	27	26	29	D1	2	AR	AR	- 8	3.61%	-1.67%	6.76%
	AdvisorShares Dorsey Wright ADR ETI AADR	70.70	35	12	13	15	1	1	2	2	4	3	4	5	6	6	6	5	6	6	7	D2	1	BF	AR	- 74	2.91%	-8.36%	-2.14%
	Hartford Multifactor Diversified Internati RODE	28.61	19	5	8	9	4	4	2	2	7	8	15	19	22	22	24	22	22	23	21	D1	2	BR	AR	- 73	2.47%	-2.69%	4.01%
	Renaissance International IPO ETF IPOS	12.36	4	15	14	16	11	4	1	4	9	7	11	14	14	17	17	18	27	25	25	D2	2	BF	BF	- 9	1.35%	-7.18%	-3.55%
EF-39	Dividend (Intl)			8	10	11	4	5	6	3	11	14	19	25	25	24	26	25	25	25	25	D2	1	BR	AR	- 3	2.49%	-2.91%	2.34%
	Vanguard International High Dividend VYMI	72.99	9,084	4	4	8	2	1	4	4	9	10	13	17	21	22	24	24	23	22	26	D1	1	AR	AR	- 10	2.93%	-2.20%	7.33%
	Vanguard International Dividend Appre VIGI	82.44	7,430	11	11	15	13	6	7	6	17	17	22	22	24	25	29	29	29	27	29	D2	3	BR	BF	- 3	2.41%	-2.65%	3.43%
	Fidelity High Dividend ETF FDVV	46.56	4,558	19	19	19	19	17	9	10	11	11	17	18	21	17	16	15	15	14	16	D3	5	BF	BF	- 73	0.65%	-6.22%	-7.72%
	WisdomTree International Hedged Quz IHDG	41.05	2,549	20	22	20	18	14	14	6	4	6	6	9	9	16	18	14	23	22	26	D2	3	BF	BF	- 3	1.51%	-8.49%	-8.25%
	Franklin International Low Volatility Higl LVHI	30.89	2,291	11	13	9	2	2	2	2	7	9	12	14	14	18	15	12	15	15	19	D2	1	BF	AR	- 124	3.07%	-5.13%	0.23%
	Pacer Global Cash Cows Dividend ETF GCOW	35.67	2,126	5	8	8	1	1	1	1	9	10	16	21	24	25	24	23	23	25	28	D1	1	BR	AR	- 8	2.71%	-4.22%	4.45%
	Xtrackers MSCI EAFE High Dividend Y HDEF	27.35	1,872	1	2	6	1	1	3	3	9	10	15	17	23	25	24	27	28	27	29	U3	5	AR	AR	- 8	3.68%	0.55%	11.72%

		Relative Strength Ranking - RSR																				% Price Δ								
Group or Corp	Ticker	Price	MKT Cap(MM)	04/18	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	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month		
EF-39	Dividend (Intl)																													
	iShares International Dividend Growth I	IGRO	72.50	1,030	4	5	9	4	4	6	6	17	19	22	22	24	25	28	28	28	26	27	D1	1	AR	AR	- 6	2.60%	-0.97%	6.70%
	WisdomTree International SmallCap Di	DLS	66.26	891	4	5	10	3	5	4	5	17	12	18	22	24	25	27	28	23	24	27	D1	2	AR	AR	- 7	2.71%	-1.32%	6.33%
	Invesco International Dividend Achieve	PID	19.04	804	6	10	9	10	8	7	9	17	19	22	22	24	25	27	27	24	23	27	D2	3	AR	AR	- 7	2.97%	-0.33%	3.96%
	WisdomTree International Quality Divid	IQDG	35.27	735	13	14	17	15	8	7	5	13	11	15	22	24	25	29	29	29	28	29	D2	3	BF	BF	- 6	2.20%	-3.92%	1.08%
	Global X Superdividend ETF	SDIV	19.56	735	17	18	16	8	9	7	9	17	19	22	22	24	25	24	27	23	27	29	D2	1	BF	BF	- 5	2.41%	-6.47%	-4.13%
	FlexShares International Quality Divide	IQDF	24.44	633	5	8	10	3	3	4	4	11	10	16	21	23	23	24	25	26	25	28	D1	2	BR	AR	- 8	2.26%	-3.47%	3.93%
	First Trust Dow Jones Global Select Div	FGD	24.05	593	4	4	7	2	4	4	5	11	12	19	22	24	25	24	26	23	25	27	U3	4	AR	AR	- 8	3.09%	-0.80%	7.88%
	Fidelity Dividend ETF for Rising Rates	FDRR	46.73	498	22	21	21	21	19	9	10	10	10	13	15	19	15	15	13	14	13	15	D3	4	BF	BF	- 72	-0.57%	-7.67%	-9.90%
	Cambria Foreign Shareholder Yield ET	FYLD	25.99	322	9	13	15	4	4	5	5	17	19	22	22	24	25	24	25	23	27	29	D2	1	BF	BF	- 3	3.50%	-4.63%	2.56%
	ALPS International Sector Dividend Do	IDOG	31.24	294	3	3	7	1	1	3	2	9	10	12	21	23	24	24	26	28	27	29	D1	1	AR	AR	- 8	2.76%	-2.53%	7.94%
	SPDR S&P Global Dividend ETF	WDIV	65.11	192	4	6	8	4	7	6	6	17	19	22	29	24	25	24	27	23	22	22	U3	2	AR	AR	- 6	2.68%	0.08%	5.45%
	Global X SuperDividend REIT ETF	SRET	19.98	177	13	17	8	6	6	5	6	9	19	22	22	24	25	24	29	23	27	27	D2	2	BF	BR	- 7	4.23%	-5.11%	0.36%
	Fidelity International High Dividend ET	FIDI	21.56	110	1	2	7	1	1	3	3	9	11	17	21	24	25	24	27	28	28	29	U3	5	AR	AR	- 7	3.21%	-0.82%	9.33%
	First Trust S&P International Dividend /	FID	17.44	89	3	3	6	3	5	5	5	17	19	22	29	24	25	24	27	23	22	22	U3	3	AR	AR	- 6	2.83%	1.03%	8.07%
	First Trust Dorsey Wright Momentum &	DDIV	35.28	69	20	23	21	19	11	21	13	8	11	12	12	11	10	9	11	11	11	12	D3	3	BF	BR	- 72	1.75%	-5.91%	-10.99%
	ProShares MSCI EAFE Dividend Grow	EFAD	39.67	66	4	4	9	9	7	6	6	17	19	22	29	24	25	30	29	29	28	29	D1	2	AR	AR	+ 2	2.56%	0.84%	7.41%
FlexShares International Quality Divide	IQDY	28.39	62	11	10	13	4	4	5	4	13	10	16	21	20	20	23	23	23	22	26	D2	1	BF	AF	- 9	1.87%	-3.86%	1.55%	
WisdomTree International AI Enhancer	AIVI	44.33	49	1	2	6	1	3	3	3	9	12	17	22	24	25	28	29	28	27	29	U3	4	AR	AR	- 7	3.80%	0.29%	11.88%	
Franklin U.S. Core Dividend Tilt Index	UDIV	40.82	47	24	21	23	22	21	21	13	10	10	12	14	12	13	12	11	12	11	12	D3	3	BF	BF	- 115	-1.03%	-7.74%	-11.52%	
Global X Renewable Energy Producers	RNRG	8.58	22	15	16	17	25	26	25	28	30	30	30	30	30	30	30	30	30	30	30	D3	3	AR	BF	+ 23	1.90%	-0.35%	-0.64%	
Global X MSCI SuperDividend EAFE E	EFAS	16.01	11	1	1	3	2	2	2	2	8	11	18	21	24	25	24	28	27	27	29	U3	5	AR	AR	- 8	5.12%	0.59%	14.74%	
EF-40	Thematic/Multi-Factor (Intl)				6	8	13	6	4	5	3	6	8	14	16	19	21	24	23	24	24	24	D2	2	BR	AR	- 3	2.38%	-2.18%	3.34%
	iShares MSCI EAFE Value ETF	EFV	58.55	20,094	1	2	7	1	1	1	1	3	5	8	12	19	21	25	25	25	25	25	D1	1	AR	AR	- 3	3.45%	-2.29%	9.93%
	iShares MSCI EAFE Growth ETF	EFG	99.22	11,906	13	13	17	14	7	7	3	9	9	15	23	22	21	27	27	29	28	27	D2	3	BF	BF	+ 22	1.78%	-3.79%	0.64%
	iShares MSCI EAFE Small-Cap ETF	SCZ	64.29	9,193	4	6	14	4	4	2	3	18	13	17	22	24	24	27	29	26	26	25	D2	1	AR	AR	- 3	3.14%	-1.30%	5.64%
	iShares MSCI Intl Quality Factor ETF	IQLT	39.76	8,962	4	5	10	4	4	2	2	5	6	14	21	23	23	27	27	29	28	28	D1	2	BR	AR	- 3	2.13%	-1.80%	5.10%
	iShares MSCI EAFE Min Vol Factor ET	EFAV	80.06	4,988	1	1	3	1	1	1	1	4	9	19	22	24	27	27	26	26	25	25	U3	6	AR	AR	- 71	3.06%	2.30%	13.10%
	Schwab International Small-Cap Equity	SCHC	36.48	3,987	4	5	15	7	4	5	4	17	11	15	21	25	24	27	28	25	27	26	D2	1	AR	AR	- 4	3.02%	-0.68%	5.92%
	iShares MSCI Global Min Vol Factor ET	ACWV	114.35	3,316	5	4	7	4	6	7	4	5	11	18	16	19	23	24	23	22	20	19	D1	1	AR	AR	- 72	0.69%	-0.58%	4.51%
	Schwab Fundamental International Sm	FNDC	36.69	3,192	3	4	9	3	3	2	2	10	11	16	21	24	24	27	28	25	25	25	D1	2	AR	AR	- 3	2.72%	-0.65%	7.56%
	iShares Exponential Technologies ETF	XT	54.37	2,857	24	25	25	23	19	16	16	15	6	8	9	9	11	13	15	13	14	16	D3	3	BF	BF	- 71	0.50%	-9.19%	-11.15%
	iShares MSCI Intl Momentum Factor E	IMTM	40.32	2,492	4	5	11	4	4	2	2	4	6	8	12	17	18	25	22	25	25	24	D1	3	AR	AR	- 73	3.44%	-0.69%	6.67%
	iShares MSCI Intl Value Factor ETF	IVLU	29.76	1,955	3	3	8	1	1	1	1	2	5	8	11	19	21	25	24	25	24	24	D1	1	BR	AR	- 3	3.41%	-4.15%	8.97%
	SPDR MSCI EAFE StrategicFactors E	QEFA	79.33	853	3	3	8	3	2	1	1	4	8	15	21	23	24	27	27	28	27	27	D1	2	AR	AR	- 3	2.87%	-1.38%	7.95%
	Invesco S&P International Developed	IDMO	44.77	542	2	3	9	2	4	4	3	7	9	11	13	14	15	22	19	23	22	22	D1	2	AR	AR	- 123	3.56%	-0.15%	9.10%
	First Trust Developed Markets ex-US A	FDT	58.67	425	3	3	10	3	4	3	3	9	9	12	15	20	20	24	22	23	22	26	D1	2	AR	AR	- 10	2.89%	-1.66%	8.01%
	Invesco S&P International Developed	IDHQ	30.05	388	5	8	14	7	5	5	4	10	10	15	22	24	25	29	28	29	28	29	D2	1	BR	AF	- 7	2.35%	-2.25%	4.96%
	SPDR MSCI EAFE Fossil Fuel Free ET	EFAX	42.87	330	4	4	10	3	2	1	1	4	6	8	16	19	19	26	25	28	27	25	D1	2	BR	AR	- 3	2.52%	-2.50%	5.98%
PIMCO RAFI Dynamic Multi-Factor Inte	MFDX	32.11	315	3	4	9	5	4	4	4	9	10	13	18	22	23	24	27	27	26	28	D1	2	AR	AR	- 8	3.14%	-0.70%	8.37%	
J.P. Morgan Diversified Return Internat	JPIN	57.92	313	3	4	9	4	5	5	5	13	13	20	22	24	25	28	29	28	27	29	D1	1	AR	AR	- 6	3.25%	-0.21%	7.73%	
iShares MSCI Intl Small-Cap Multifacto	ISCF	33.98	313	4	5	14	4	4	3	3	17	10	15	18	22	22	25	24	23	23	23	D1	2	AR	AR	- 70	2.90%	-1.05%	5.43%	
Invesco S&P International Developed	IDLV	30.99	267	1	2	3	2	5	4	4	10	12	19	22	24	25	27	27	27	25	27	U3	4	AR	AR	- 8	3.17%	2.95%	11.59%	
VictoryShares International Value Mom	UIVM	51.27	238	1	2	4	3	3	3	2	8	10	15	18	23	23	24	24	26	25	27	U3	6	AR	AR	- 8	2.91%	-0.12%	10.34%	
Fidelity International Value Factor ETF	FIVA	26.41	195	3	4	9	1	1	3	2	7	9	12	15	22	24	24	28	28	27	29	D1	2	AR	AR	- 8	3.29%	-3.22%	8.43%	
ProShares DJ Brookfield Global Infrast	TOLZ	53.15	167	2	3	6	2	5	6	9	11	19	22	22	24	22	16	19	17	17	20	U3	4	AR	AR	- 70	3.63%	1.95%	5.73%	

			Relative Strength Ranking - RSR																				% Price Δ						
Group or Corp	Ticker	Price	MKT Cap(MM)	04/18	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	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month	
EF-40	Thematic/Multi-Factor (Intl)																												
	SPDR MSCI World StrategicFactors E ⁺ QWLD	123.43	151	15	13	15	14	14	14	5	5	8	15	15	15	19	21	21	21	20	19	D2	3	BF	BR	- 123	0.47%	-3.59%	-1.58%
	Alpha Architect International Quantitati ⁺ IVAL	25.61	132	3	5	10	3	2	2	4	11	12	17	19	24	24	24	25	23	22	27	D1	2	AR	AR	- 7	3.85%	-1.27%	7.66%
	iShares MSCI Global Multifactor ETF ACWF	41.48	114	17	16	19	19	18	17	17	14	8	10	11	11	12	15	14	13	14	13	D3	2	BF	BF	- 75	0.10%	-4.75%	-6.18%
	Alpha Architect International Quantitati ⁺ IMOM	28.57	87	4	4	16	3	1	1	1	4	3	4	6	8	12	22	18	19	21	20	D2	1	AR	AR	- 3	3.24%	-2.50%	7.09%
	ProShares Online Retail ETF ONLN	39.53	62	27	27	26	23	25	23	13	11	7	5	7	6	8	10	9	11	11	10	D3	1	BF	BF	- 70	-0.58%	-10.03%	-15.37%
	FCF International Quality ETF TTAI	27.69	52	17	18	19	21	11	9	10	17	12	13	21	21	23	24	24	28	27	27	D3	4	BF	BF	- 8	1.60%	-4.27%	-3.96%
	Knowledge Leaders Developed World KLDW	43.35	50	15	14	17	15	11	10	7	20	17	17	22	22	23	26	28	27	27	25	D2	3	BF	BF	- 71	1.62%	-4.69%	-1.61%
	Hartford Multifactor Small Cap ETF ROSC	37.95	30	27	27	25	26	28	28	29	29	28	22	22	19	18	17	19	16	15	16	D3	6	BF	BF	+ 6	1.05%	-5.42%	-13.91%
	Affinity World Leaders Equity ETF WLDR	27.55	29	20	21	25	21	19	19	13	17	10	11	13	12	13	13	12	14	13	12	D3	3	BF	BF	- 73	0.73%	-6.91%	-9.62%
	First Trust Horizon Managed Volatility C ⁺ HDMV	33.42	27	1	1	1	1	4	4	3	9	12	19	22	24	25	28	28	28	26	27	U3	4	AR	AR	- 7	3.18%	4.49%	15.61%
Alpha Architect Value Momentum Tren VMOT	23.75	18	19	20	25	24	24	25	25	28	28	20	17	19	17	16	11	12	15	17	D3	8	BF	BF	- 70	1.86%	-4.02%	-8.39%	
SECTORS (Intl)																													
EF-41	Consumer Disc. (Intl)																												
	iShares Global Consumer Discretionary RXI	168.48	227	19	17	19	18	15	12	2	2	1	1	2	2	5	5	6	3	3	2	D2	3	BF	BR	- 7	-0.20%	-7.04%	-6.46%
	Amplify Online Retail ETF IBUY	57.50	129	20	18	19	20	20	16	7	4	3	3	5	1	2	2	2	1	1	1	D3	1	BF	BR	- 71	-0.93%	-5.88%	-10.04%
	KraneShares Emerging Markets Const KEMQ	17.70	19	13	8	9	3	1	1	1	1	1	1	5	11	18	18	25	21	20	17	D2	1	BF	AR	- 57	-0.17%	-8.70%	4.14%
EF-42	Communications (Intl)																												
	iShares Global Comm Services ETF IXP	92.87	330	18	16	17	15	6	3	1	1	1	1	1	1	4	7	5	4	5	4	D2	3	BF	BR	- 6	-0.86%	-8.85%	-5.66%
	Global X Social Media ETF SOCL	40.60	107	20	18	17	15	4	1	1	1	1	1	1	1	5	8	8	5	9	8	D2	3	BF	BF	- 5	-0.44%	-11.37%	-6.41%
EF-43	Consumer Staples (Intl)																												
	iShares Global Consumer Staples ETF KXI	65.88	807	5	6	10	11	10	10	4	13	14	20	23	16	20	22	26	27	25	25	D2	2	AR	AR	- 3	1.48%	-0.34%	2.13%
	iShares MSCI Agriculture Producers E ⁺ VEGI	36.65	90	12	10	13	14	14	14	5	13	10	17	20	6	10	11	23	23	24	23	D2	3	BF	AR	- 30	1.05%	-1.13%	-1.81%
	First Trust Indxx Global Agriculture ETF FTAG	23.62	6	13	13	16	14	6	7	4	23	23	22	23	13	18	21	27	28	27	28	D2	3	BF	BF	- 3	0.93%	-4.90%	-2.40%
EF-44	Energy (Intl)																												
	iShares Global Energy ETF IXC	37.37	1,620	18	23	17	3	4	14	20	17	16	23	27	28	22	12	19	25	28	29	D3	2	BF	BF	- 3	3.83%	-9.67%	-9.12%
	iShares MSCI Global Energy Producer: FILL	22.09	74	18	24	18	4	6	16	24	24	22	27	29	29	26	18	22	28	29	30	D3	3	BF	BF	- 2	3.49%	-9.67%	-9.51%
	VanEck Oil Refiners ETF CRAK	26.31	22	20	23	21	16	15	16	23	30	30	30	30	30	30	29	30	30	30	30	D3	3	BF	BF	+ 41	1.05%	-10.22%	-10.42%
EF-45	Financials (Intl)																												
	iShares Global Financials ETF IXG	98.39	448	12	11	15	3	4	4	2	1	3	3	3	3	5	5	10	8	6	7	D2	2	BF	AR	- 74	1.62%	-4.42%	-0.81%
	Davis Select Financial ETF DFNL	36.56	244	18	18	18	12	11	14	7	2	4	4	2	2	3	3	8	5	3	4	D2	3	BF	BR	- 73	1.18%	-6.70%	-7.40%
	Invesco Global Listed Private Equity E ⁺ PSP	60.56	226	24	26	26	22	11	22	13	17	10	11	12	10	10	12	14	13	13	15	D3	3	BF	BF	- 73	1.70%	-7.86%	-11.55%
EF-46	Healthcare (Intl)																												
	iShares Global Healthcare ETF IXJ	85.40	3,694	17	16	15	14	12	14	6	10	24	29	28	28	29	30	29	30	30	29	D2	3	BF	BF	+ 22	-0.30%	-7.12%	-1.92%
	ARK Genomic Revolution ETF ARKG	20.67	939	29	28	30	30	27	29	30	28	2	1	3	4	3	28	18	10	28	25	D3	2	BF	BF	- 7	-1.71%	-11.36%	-14.27%
	Global X Aging Population ETF AGNG	29.77	56	17	18	16	16	15	15	8	7	12	24	22	24	23	28	28	28	27	29	D2	3	BF	BF	- 5	2.16%	-5.55%	-2.74%
EF-47	Materials (Intl)																												
	VanEck Gold Miners ETF GDX	50.92	16,053	1	1	1	1	1	1	1	4	2	3	2	9	21	26	24	30	30	30	U3	3	AR	AR	+ 2	2.00%	1.81%	8.98%
	VanEck Junior Gold Miners ETF GDXJ	64.12	5,869	1	1	1	1	1	1	1	4	2	3	1	8	14	20	18	28	29	29	U3	6	AR	AR	+ 1	4.74%	15.47%	39.33%
	FlexShares Morningstar Global Upstre ⁺ GUNR	37.33	4,607	13	14	17	11	11	9	13	28	19	22	29	24	25	24	29	29	30	30	D3	3	BF	BF	+ 21	2.19%	-3.94%	-1.64%
	Global X Uranium ETF URA	22.87	2,568	29	30	30	30	30	30	30	30	30	27	9	19	2	18	22	6	22	22	D3	9	BF	BF	- 25	0.97%	-8.52%	-18.41%

			Relative Strength Ranking - RSR																				% Price Δ							
Group or Corp	Ticker	Price	MKT Cap(MM)	04/18	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	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month		
EF-47	Materials (Intl)																													
	Global X Copper Miners ETF	COPX	36.35	2,176	24	27	29	20	14	15	25	30	30	26	27	30	30	30	29	30	30	30	D3	3	BF	BF	+ 20	2.34%	-12.91%	-8.74%
	Global X Silver Miners ETF	SIL	41.55	1,538	1	1	8	1	1	1	3	21	11	8	6	19	25	27	24	28	28	28	U3	4	AR	AR	- 54	3.31%	5.16%	25.87%
	iShares MSCI Global Gold Miners ETF	RING	42.63	1,498	1	1	1	1	1	1	1	4	2	3	2	9	19	25	24	30	30	30	U3	6	AR	AR	+ 2	2.01%	15.43%	39.27%
	ETFMG Prime Junior Silver Miners ETF	SILJ	12.59	1,112	1	1	16	1	1	1	17	30	29	25	19	29	30	30	30	30	30	30	U3	2	AR	AR	+ 11	1.94%	1.61%	19.11%
	iShares MSCI Global Metals & Mining F	PICK	34.00	697	20	23	26	19	17	15	18	30	28	29	30	30	30	30	30	30	30	30	D3	3	BF	BF	- 3	1.61%	-8.85%	-6.36%
	Direxion Daily Gold Miners Index Bull 2	NUGT	74.22	561	1	1	1	1	1	1	2	8	4	6	6	14	25	30	30	30	30	30	U3	4	AR	AR	- 8	4.67%	27.31%	81.49%
	Direxion Daily Junior Gold Miners Index	JNUG	74.95	326	1	1	1	1	1	1	2	13	5	6	5	13	25	29	29	30	30	30	U3	4	AR	AR	- 9	10.07%	29.42%	82.09%
	iShares MSCI Global Silver Miners ETF	SLVP	16.08	281	1	1	7	1	1	1	2	17	6	6	3	13	23	27	25	29	30	30	U3	5	AR	AR	+ 2	4.89%	7.92%	30.10%
	VanEck Rare Earth/Strategic Metals E	REMX	37.16	254	25	27	28	22	16	14	18	30	28	29	27	29	23	12	23	28	29	29	D3	3	BF	BF	- 3	1.81%	-12.73%	-13.26%
	iShares Global Materials ETF	MXI	79.71	223	15	14	18	17	16	14	12	26	26	25	29	29	27	29	30	30	30	30	D2	1	BF	BF	- 3	0.97%	-4.01%	-1.38%
	Sprott Junior Gold Miners ETF	SGDJ	46.65	159	1	1	2	1	1	1	1	4	2	3	1	4	5	10	4	10	24	24	U3	13	AR	AR	- 70	2.87%	13.48%	30.45%
	U.S. Global GO GOLD and Precious M	GOAU	27.99	122	1	1	1	1	1	1	1	5	5	4	2	8	19	25	23	28	29	29	U3	6	AR	AR	+ 5	4.44%	17.48%	39.88%
	Direxion Daily Gold Miners Index Bear	DUST	27.64	110	30	30	27	30	30	30	30	30	30	30	30	30	30	19	7	5	3	4	D3	5	BF	BF	+ 56	-4.89%	-28.11%	-51.86%
	First Trust Indxx Global Natural Resour	FTRI	13.01	90	4	6	13	4	6	7	13	28	19	22	29	24	25	24	26	29	30	30	U3	1	AR	AF	+ 18	2.76%	-0.84%	3.06%
	VanEck Steel ETF	SLX	56.99	68	21	22	24	18	16	13	18	26	26	26	30	30	30	30	30	30	30	30	D3	3	BF	BF	- 3	0.33%	-9.38%	-6.13%
Direxion Daily Junior Gold Miners Index	JDST	11.90	62	30	30	27	30	30	30	30	30	30	30	30	30	30	30	19	15	7	10	D3	12	BF	BF	+ 72	-9.92%	-30.55%	-54.51%	
Global X Gold Explorers ETF	GOEX	42.39	59	1	1	1	1	1	1	1	12	4	6	2	7	12	18	14	23	28	27	U3	6	AR	AR	+ 1	4.97%	15.27%	34.83%	
Amplify Lithium & Battery Technology E	BATT	7.75	52	27	27	28	23	20	17	22	29	17	15	16	21	11	8	13	8	13	16	D3	7	BF	BF	- 25	0.85%	-11.53%	-14.93%	
Invesco MSCI Global Timber ETF	CUT	29.29	45	22	24	20	25	26	22	18	28	27	26	27	24	20	24	28	28	27	26	D3	6	BF	BF	- 74	0.56%	-5.49%	-9.88%	
EF-48	Manufacturing (Intl)																													
	iShares Global Industrials ETF	EXI	141.83	936	15	14	18	15	12	11	5	14	17	16	19	15	11	17	22	22	22	19	D3	1	BF	BR	- 72	0.71%	-4.38%	-2.49%
	First Trust NASDAQ Global Auto Index	CARZ	49.56	27	27	27	28	26	21	19	18	24	6	8	19	15	7	4	5	5	9	8	D3	3	BF	BF	- 25	0.26%	-12.10%	-18.00%
EF-49	Real Estate (Intl)																													
	Vanguard Global ex-U.S. Real Estate F	VNQI	42.04	3,200	3	4	9	14	16	15	18	27	27	27	29	29	30	29	29	28	27	27	D3	5	BF	BF	- 3	4.21%	-1.26%	-1.79%
	SPDR Dow Jones Global Real Estate E	RWO	42.89	1,074	13	17	15	17	11	9	13	17	19	22	29	24	25	29	29	28	27	28	U3	1	AR	AR	+ 1	3.37%	3.62%	6.94%
	FlexShares Global Quality Real Estate	GQRE	56.80	406	13	16	15	16	19	9	13	17	19	22	22	24	25	28	29	23	24	25	D3	3	BF	BR	+ 12	3.65%	-0.68%	0.40%
	SPDR Dow Jones International Real E	RWX	25.77	268	1	2	7	7	8	9	13	28	28	30	30	30	30	30	30	30	30	30	U3	2	AR	AR	+ 20	4.16%	5.72%	12.45%
	ETFMG Alternative Harvest ETF	AI MJ	18.74	105	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	D3	34	BF	BF	+ 38	7.76%	-7.82%	-27.02%
	First Trust Alerian Disruptive Technolog	DTRE	38.82	15	12	17	11	16	16	16	17	22	28	29	30	30	30	30	30	30	29	29	D3	3	BR	BF	- 38	5.29%	-1.54%	1.66%
	WisdomTree New Economy Real Estat	WTRE	16.82	14	17	19	17	20	21	21	24	28	30	30	30	30	30	30	30	29	29	29	D3	4	BF	BF	- 71	3.15%	-3.73%	-3.84%
	ALPS REIT Dividend Dogs ETF	RDOG	34.67	11	21	27	17	20	22	9	13	17	30	30	30	30	30	29	30	28	28	27	D3	3	BF	BF	+ 13	3.68%	-6.67%	-6.77%
	FlexShares Real Assets Allocation Inde	ASET	30.87	8	8	11	10	12	9	9	9	17	19	22	22	24	25	27	29	27	27	28	D2	1	AR	AR	+ 15	2.66%	0.05%	3.00%
EF-50	Technology (Intl)																													
	iShares Global Tech ETF	IXN	70.93	4,093	28	26	29	28	27	27	25	8	8	16	20	8	10	5	5	7	5	D3	5	BF	BF	- 116	-2.92%	-9.63%	-16.85%	
	First Trust Cloud Computing ETF	SKYY	95.35	2,827	30	29	29	30	28	28	28	11	3	1	1	1	1	1	1	1	1	1	D3	3	BF	BR	- 17	-1.00%	-12.15%	-21.98%
	Global X Robotics & Artificial Intelligenc	BOTZ	26.62	2,180	29	29	29	29	27	26	26	24	6	10	8	11	3	10	12	6	13	11	D3	6	BF	BF	- 8	-0.93%	-12.26%	-19.41%
	ETFMG Prime Cyber Security ETF	HACK	70.11	1,868	18	15	23	19	14	14	7	4	2	1	1	1	1	1	1	1	5	7	D2	4	BF	BR	- 109	-1.41%	-5.84%	-8.30%
	ARK Next Generation Internet ETF	ARKW	91.48	1,340	28	27	29	28	25	27	23	4	1	1	1	1	1	1	1	1	1	1	D3	2	BF	BR	- 16	-0.81%	-8.62%	-20.85%
	Global X Lithium & Battery Tech ETF	LIT	35.06	802	29	28	28	26	24	20	23	28	10	17	23	27	20	11	22	20	13	13	D3	6	BF	BF	- 25	-1.21%	-13.22%	-17.08%
	iShares Robotics and Artificial Intelliger	IRBO	29.80	725	30	29	30	30	29	27	29	27	3	2	1	1	1	1	1	1	1	1	D3	3	BF	BF	- 30	-2.20%	-12.07%	-23.41%
	Amplify Transformational Data Sharing	BLOK	36.18	631	29	29	29	30	28	28	25	23	2	1	1	1	1	1	1	1	3	2	D3	3	BF	BR	- 73	-0.19%	-8.89%	-24.77%
	First Trust Nasdaq Artificial Intelligence	ROBT	38.22	392	29	28	29	28	27	25	25	28	8	3	5	4	2	7	8	5	7	6	D3	4	BF	BF	- 28	-0.65%	-10.37%	-17.08%
	ETFMG Prime Mobile Payments ETF	IPAY	50.68	256	26	26	27	26	24	27	24	5	7	3	1	1	1	1	1	1	4	5	D3	3	BF	BR	- 35	0.24%	-7.00%	-14.42%

				Relative Strength Ranking - RSR																		% Price Δ								
		MKT	04/18	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	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month			
Group or Corp	Ticker	Price	Cap(MM)																											
EF-50	Technology (Intl)																													
	Global X FinTech ETF	FINX	26.71	249	27	27	29	29	28	28	27	20	9	3	1	1	1	1	1	1	4	4	D3	4	BF	BR	- 70	0.23%	-6.77%	-16.92%
	Global X Internet of Things ETF	SNSR	30.12	191	27	27	29	26	21	21	16	6	3	8	9	9	7	11	13	15	14	17	D3	3	BF	BF	- 20	-0.20%	-11.90%	-16.22%
	ALPS O'Shares Global Internet Giants	OGIG	41.58	123	25	24	26	25	19	20	17	3	1	1	1	1	1	1	1	1	1	D3	1	BF	BR	- 8	-0.90%	-9.03%	-11.77%	
	First Trust Indxx Innovative Transaction	LEGR	46.21	88	15	14	15	7	5	5	5	7	8	9	12	11	13	13	14	14	13	D2	2	BF	BR	- 72	0.72%	-6.41%	-2.41%	
	ALPS Disruptive Technologies ETF	DTEC	41.37	78	22	21	24	22	19	19	17	9	6	4	3	2	3	5	5	5	4	3	D3	2	BF	BF	- 71	-0.19%	-7.68%	-10.73%
	Innovator Loup Frontier Tech ETF	LOUP	43.71	70	30	29	30	30	29	29	30	20	5	1	1	1	1	1	1	1	1	D3	3	BF	BF	- 9	-1.28%	-11.86%	-25.36%	
	3D Printing ETF	PRNT	18.33	70	27	28	28	27	22	20	18	22	6	3	2	4	4	11	9	5	7	5	D3	3	BF	BF	- 24	1.56%	-10.73%	-13.85%
	KraneShares Electric Vehicles & Futurr	KARS	19.45	57	25	19	20	18	14	5	5	10	4	8	10	21	16	7	13	10	11	6	D3	3	BF	BF	- 27	-2.46%	-11.49%	-10.61%
	Wedbush ETFMG Video Game Tech E	GAMR	63.11	35	17	14	19	14	6	6	3	2	1	1	2	5	13	11	9	5	11	12	D2	3	BF	BR	- 49	-1.23%	-8.03%	-4.23%
	Wedbush ETFMG Global Cloud Techn	IVES	39.73	20	30	29	30	30	27	27	29	24	3	4	6	6	2	5	3	5	11	12	D3	4	BF	BF	- 114	-1.30%	-14.05%	-21.29%
EF-51	Transportation (Intl)				30	30	30	30	29	29	25	5	4	2	1	1	1	1	1	1	1	D3	3	BF	BF	- 16	-1.10%	-14.10%	-27.91%	
	U.S. Global Jets ETF	JETS	18.88	719	30	30	30	30	30	30	25	5	5	2	1	1	1	1	1	1	1	D3	3	BF	BF	- 16	-1.10%	-14.10%	-27.91%	
EF-52	Utilities (Intl)				4	6	9	11	14	13	15	20	23	24	27	25	23	22	25	25	25	24	D2	3	AR	AR	+ 1	2.45%	1.04%	2.44%
	iShares Global Infrastructure ETF	IGF	55.43	6,236	4	4	8	7	8	11	17	17	18	17	19	21	13	11	14	11	14	14	U3	1	AR	AR	- 70	3.01%	2.19%	2.21%
	FlexShares STOXX Global Broad Infra	NFRA	58.41	2,325	4	4	7	7	8	7	8	17	19	22	22	24	25	24	28	23	25	27	U3	3	AR	AR	- 6	2.60%	2.08%	6.50%
	Invesco S&P Global Water Index ETF	CGW	56.06	886	8	10	10	15	18	15	13	26	28	29	30	29	30	29	30	29	28	28	D3	3	AR	BF	- 71	2.39%	1.10%	2.87%
	SPDR S&P Global Infrastructure ETF	GII	63.13	508	3	4	8	7	8	10	17	19	19	18	19	21	14	11	14	11	14	16	U3	1	AR	AR	- 70	3.33%	2.70%	2.75%
	Invesco Global Water ETF	PIO	39.26	241	15	14	17	17	11	9	9	17	19	22	22	23	25	24	29	29	27	29	D3	3	BF	BF	+ 18	0.93%	-2.84%	-2.26%
	GEOGRAPHY (Intl)																													
EF-53	Emerging Markets				14	14	12	13	10	7	12	24	13	20	26	27	25	26	26	24	24	23	D2	3	BF	BF	- 3	1.09%	-4.54%	-0.40%
	iShares Core MSCI Emerging Markets	IEMG	51.97	80,075	15	14	15	13	7	7	8	22	6	17	25	27	24	26	26	23	25	23	D2	3	BF	BF	- 71	0.60%	-5.65%	-0.78%
	Vanguard FTSE Emerging Markets ET	VWO	43.30	78,459	15	14	15	14	8	7	7	17	10	17	22	24	24	24	24	22	17	19	D2	3	BF	BF	- 70	0.46%	-5.83%	-1.04%
	iShares MSCI Emerging Markets ETF	EEM	41.92	15,789	15	13	14	11	6	6	6	20	6	15	22	26	23	26	26	23	25	23	D2	2	BF	BF	- 70	0.41%	-5.97%	-0.40%
	Schwab Emerging Markets Equity ETF	SCHE	26.54	9,040	15	13	14	12	6	7	7	22	6	15	21	25	23	25	24	22	22	19	D2	2	BF	BR	- 70	0.68%	-5.38%	-0.23%
	Schwab Fundamental Emerging Marke	FNDE	29.08	6,165	15	14	10	5	4	2	2	9	4	11	21	23	23	25	26	23	22	20	D2	1	BF	BR	- 72	0.66%	-7.06%	0.41%
	iShares MSCI Emerging Markets Min	EEMV	57.82	4,105	13	11	10	15	16	16	18	28	22	25	25	26	24	25	22	22	20	19	D3	3	BF	BR	- 69	1.00%	-1.20%	0.02%
	WisdomTree Emerging Markets High C	DEM	40.77	2,715	13	11	9	8	7	6	9	17	17	22	22	24	25	27	28	28	26	27	D2	2	BF	BF	- 5	1.27%	-4.03%	1.33%
	WisdomTree Emerging Markets ex-Sta	XSOE	29.75	1,601	17	16	17	17	15	14	17	28	15	24	27	28	26	26	26	23	22	22	D3	3	BF	BF	- 69	0.81%	-5.56%	-2.71%
	Invesco FTSE RAFI Emerging Markets	PXH	20.54	1,190	14	13	10	4	5	4	4	10	7	11	16	19	22	24	24	21	17	20	D2	1	BF	BR	- 71	0.46%	-7.13%	1.20%
	Columbia EM Core ex-China ETF	XCEM	29.00	1,064	15	16	17	19	17	18	20	30	26	28	29	29	26	27	27	28	28	28	D3	6	BF	BF	- 3	0.80%	-3.69%	-3.33%
	Goldman Sachs ActiveBeta Emerging	I GEM	31.89	872	15	13	12	10	6	6	8	22	6	16	23	26	23	25	24	23	24	22	D2	2	BF	BR	- 71	0.38%	-5.42%	-0.53%
	iShares MSCI Emerging Markets Multif	EMGF	45.03	784	15	14	13	13	7	7	10	24	9	19	25	27	24	26	25	24	25	23	D2	2	BF	BF	- 73	0.76%	-5.40%	-0.84%
	iShares Emerging Markets Dividend	EDVYE	26.02	708	13	10	9	3	3	4	5	17	10	15	19	19	19	21	19	20	17	19	D2	1	BF	AR	- 117	0.93%	-5.45%	1.18%
	SPDR S&P Emerging Markets Dividen	EDIV	35.17	638	12	10	9	12	7	7	9	17	16	22	22	24	24	24	24	23	20	22	D2	2	BF	BF	- 7	0.87%	-3.11%	1.73%
	SPDR S&P Emerging Markets Small C	EWX	54.36	614	19	19	17	20	17	16	17	28	19	26	27	29	25	26	26	21	16	15	D3	3	BF	BF	- 121	1.47%	-6.82%	-4.92%
	Cambria Emerging Shareholder Yield	EYLD	30.73	475	15	17	16	15	12	11	17	28	23	27	29	29	27	29	29	29	28	28	D3	3	BF	BF	- 2	2.38%	-5.98%	-1.90%
	iShares MSCI Emerging Markets Asia	IEEMA	70.51	381	16	14	15	14	6	7	6	23	6	17	26	28	25	26	27	23	24	22	D2	3	BF	BF	- 69	-0.10%	-7.10%	-1.97%
	VanEck Emerging Markets High Yield	EHYEM	19.14	377	13	10	7	7	8	7	7	10	11	17	14	16	19	16	12	15	15	15	D2	2	BF	AR	- 74	0.90%	-2.08%	-0.89%
	First Trust Emerging Markets AlphaDE	FEM	21.85	370	15	14	11	7	7	5	6	17	19	20	22	24	25	24	29	23	22	25	D2	2	BF	BF	- 3	1.25%	-4.88%	-0.62%
	Invesco S&P Emerging Markets Low	EELV	24.15	360	7	8	9	12	8	8	10	17	19	22	22	24	25	28	27	28	25	26	D2	2	AR	AR	- 5	1.73%	-0.69%	3.71%
	EMQQ The Emerging Markets Internet	EMQQ	35.84	330	15	16	15	4	2	1	1	4	1	3	9	16	24	25	29	21	22	19	D2	1	BF	BR	- 69	1.59%	-9.01%	2.58%
	iShares MSCI Emerging Markets Small	EEMS	55.32	326	16	17	17	21	20	21	24	30	28	30	30	30	30	29	29	25	25	26	D3	19	BF	BF	- 4	1.93%	-3.45%	-2.87%
	J.P. Morgan Diversified Return Emergi	JPEM	51.92	312	13	11	10	14	9	7	10	28	19	22	22	24	25	24	25	23	22	22	D2	1	BF	BF	+ 17	1.41%	-1.81%	0.90%
	Nuveen ESG Emerging Markets Equity	NUEM	28.28	288	16	16	15	17	14	11	10	26	8	15	21	26	23	23	23	21	20	18	D3	3	BF	BR	- 67	0.93%	-4.97%	-2.75%

		Relative Strength Ranking - RSR																				% Price Δ									
Group or Corp	Ticker	Price	MKT Cap(MM)	04/18	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	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month			
EF-53	Emerging Markets																														
	FlexShares Morningstar Emerging Markets	TLTE	50.53	237	15	15	12	13	6	7	9	25	10	20	27	28	26	27	28	25	25	25	D2	2	BF	BF	- 73	1.27%	-5.96%	-0.77%	
	First Trust Emerging Markets Small Cap	FEMS	35.77	227	17	19	18	17	11	7	13	29	19	22	29	29	25	29	29	26	24	25	D3	3	BF	BF	+ 23	2.96%	-4.45%	-3.31%	
	VictoryShares Emerging Markets Value	UEVM	45.50	184	15	15	9	8	8	7	10	28	19	22	22	24	25	24	24	21	16	18	D3	2	BF	BF	- 2	0.87%	-5.32%	-1.72%	
	iShares Currency Hedged MSCI Emerging	HEEM	26.65	154	15	14	12	8	6	5	4	17	5	11	14	18	20	21	20	15	20	18	D2	2	BF	BF	- 70	0.53%	-6.39%	-2.02%	
	WisdomTree Emerging Markets Quality	DGRE	24.36	129	15	16	18	21	11	24	28	30	30	30	30	30	30	29	29	28	28	29	D3	18	AF	BF	+ 19	1.92%	-1.45%	-2.58%	
	PIMCO RAFI Dynamic Multi-Factor Em	MFEM	18.34	94	16	16	16	10	11	9	13	29	19	22	29	29	25	28	28	23	22	22	D3	3	BF	BF	+ 15	0.77%	-4.81%	-1.78%	
	WisdomTree Emerging Markets Multifactor	EMMF	25.95	86	15	15	15	17	11	9	13	30	28	22	29	24	25	27	24	23	25	25	D3	3	BF	BF	+ 17	1.37%	-2.67%	-2.19%	
	Invesco DWA Emerging Markets Momentum	PIE	17.22	81	25	26	23	25	23	9	13	30	29	30	30	30	30	30	29	28	27	27	D3	3	BF	BF	+ 32	0.91%	-8.30%	-7.38%	
	Columbia Emerging Markets Consumer	ECON	20.76	80	15	13	12	7	5	6	5	22	6	15	25	24	23	26	25	24	24	23	D2	2	BF	BR	- 4	0.25%	-6.47%	-0.33%	
	iShares MSCI BIC ETF	BKF	37.73	79	11	9	7	2	1	1	1	5	2	6	17	22	26	26	28	22	22	19	D1	1	BR	AR	- 58	1.02%	-6.70%	4.63%	
	WisdomTree Emerging Markets Corporate	EMCB	64.40	71	11	8	6	13	8	7	10	10	16	22	21	24	23	20	15	20	16	18	D2	1	BF	AR	- 74	0.88%	-1.57%	0.25%	
	WisdomTree Emerging Markets Local	IELD	26.66	69	4	3	4	9	7	6	8	17	19	22	22	24	23	28	25	28	25	25	U3	4	AR	AR	- 5	1.25%	0.79%	6.18%	
	Xtrackers MSCI Emerging Markets Hedged	DBEM	24.64	68	15	14	13	10	6	6	6	17	6	14	16	21	22	22	22	19	20	18	D2	2	BF	BR	- 71	1.54%	-5.77%	-1.04%	
	SPDR MSCI Emerging Markets Strategic	QEEM	56.29	37	15	14	15	16	15	15	18	28	20	26	28	28	24	26	24	23	24	23	D3	3	BF	BF	- 72	0.91%	-3.52%	-1.63%	
	Global X MSCI SuperDividend Emerging	SDEM	25.41	36	4	3	6	4	5	3	5	10	8	11	16	15	18	21	22	22	22	22	D1	1	AR	AR	- 10	1.87%	-0.99%	5.85%	
	First Trust Riverfront Dynamic Emerging	RFEM	62.52	28	15	14	12	10	6	6	5	20	8	18	22	24	23	25	23	19	23	20	D2	2	BF	BF	- 76	0.70%	-5.83%	-0.80%	
	Hartford Multifactor Emerging Markets	IROAM	22.95	28	13	14	13	12	6	7	10	24	13	24	27	28	26	26	26	25	26	25	D2	2	BF	BF	- 3	2.12%	-4.28%	0.09%	
	ALPS Emerging Sector Dividend Dogs	EDOG	20.78	25	12	11	15	14	15	9	10	28	16	20	22	22	24	24	23	23	22	22	D2	2	BF	BF	- 9	2.00%	-0.83%	1.40%	
	First Trust Emerging Markets Equity Select	RNEM	51.06	15	5	8	8	7	8	11	17	28	22	26	29	28	28	29	29	28	27	26	D1	1	AR	AF	+ 1	2.35%	-1.08%	4.65%	
	Franklin Emerging Market Core Dividend	DIEM	26.01	13	15	14	15	14	8	7	8	17	11	19	22	24	23	24	23	22	18	20	D2	3	BF	BF	- 72	0.26%	-5.46%	-1.95%	
	Invesco S&P Emerging Markets Momentum	EEMO	14.27	11	25	25	25	26	25	27	29	30	30	30	30	30	30	29	28	23	25	26	D3	18	BF	BF	+ 16	-0.34%	-7.60%	-10.60%	
	KraneShares MSCI All China Index ETI	KALL	20.91	9	13	9	7	1	1	1	1	1	1	3	6	11	17	18	24	13	5	4	D1	2	BF	AR	- 30	-0.26%	-9.13%	3.96%	
	iShares Emerging Markets Infrastructure	EMIF	21.26	9	7	8	9	14	8	12	19	28	25	25	25	28	26	25	28	27	24	25	D2	1	AR	AR	+ 1	1.93%	-1.39%	1.65%	
	ProShares MSCI Emerging Markets Direct	EMDV	43.21	8	12	11	10	17	11	9	13	29	19	22	29	24	25	28	28	23	22	22	D3	2	AR	BF	+ 14	1.76%	-0.76%	2.15%	
EF-54	Frontier Markets				30	30	30	30	30	30	30	30	30	26	22	22	23	20	13	20	17	19	D2	6	BF	BF	- 9	0.00%	0.00%	-100.00%	
EF-55	Europe/UK				2	2	7	1	1	1	1	2	3	6	14	18	20	25	26	28	27	27	D1	2	AR	AR	- 3	2.69%	-2.76%	8.66%	
	Vanguard FTSE Europe ETF	VGK	69.93	21,921	3	3	9	1	1	3	2	7	9	12	17	19	22	24	28	29	28	29	D1	2	BR	AR	- 8	2.40%	-2.58%	7.90%	
	iShares MSCI Eurozone ETF	EUZ	53.35	8,776	1	1	6	1	1	1	1	2	2	4	10	11	14	20	23	28	27	26	D1	2	AR	AR	+ 22	2.28%	-2.56%	8.77%	
	iShares Core MSCI Europe ETF	IEUR	59.89	5,360	3	3	8	1	1	1	1	3	5	8	16	19	21	27	28	29	28	29	D1	2	BR	AR	+ 22	2.27%	-2.65%	8.18%	
	SPDR EURO STOXX 50 ETF	FEZ	53.77	4,240	3	2	7	1	3	2	2	6	7	8	13	13	14	19	19	29	26	28	D1	2	BR	AR	- 10	1.93%	-3.75%	6.90%	
	iShares MSCI United Kingdom ETF	EWU	36.97	3,113	3	5	8	1	1	1	1	3	6	11	14	19	23	26	28	28	27	27	D1	2	AR	AR	- 3	3.94%	-1.49%	7.53%	
	iShares MSCI Europe Financials ETF	EUFN	28.54	3,014	1	1	2	1	1	1	1	1	1	2	2	4	4	10	12	20	16	17	U3	14	AR	AR	- 3	4.20%	-1.04%	17.35%	
	iShares Europe ETF	IEV	57.79	1,971	3	3	8	1	1	1	1	2	3	7	16	19	21	26	27	29	28	29	D1	2	BR	AR	+ 22	2.54%	-2.91%	7.96%	
	iShares MSCI Germany ETF	EWG	37.40	1,919	1	1	3	1	1	1	1	1	2	2	5	4	5	11	14	23	20	18	D1	1	AR	AR	- 3	2.83%	-1.81%	12.82%	
	WisdomTree Europe Hedged Equity Fund	HEDJ	45.14	1,614	13	13	10	2	1	1	1	1	2	2	2	3	7	7	7	21	18	22	D2	1	BF	AF	- 3	2.08%	-7.95%	-1.55%	
	iShares MSCI Switzerland ETF	EWL	51.95	1,156	2	2	7	1	1	1	1	2	2	4	8	19	20	25	29	29	30	29	29	D1	1	AR	AR	- 2	1.76%	-2.09%	10.13%
	SPDR Portfolio Europe ETF	SPEU	43.84	1,078	3	3	9	1	3	3	2	7	9	12	18	21	22	24	28	29	28	29	D1	2	BR	AR	- 8	2.48%	-2.67%	7.90%	
	iShares MSCI Spain ETF	EWP	39.25	989	1	1	1	1	1	1	1	1	2	4	8	17	22	25	24	27	27	27	U3	7	AR	AR	+ 7	3.92%	2.11%	23.58%	
	Franklin FTSE United Kingdom ETF	FLGB	28.30	715	4	6	8	1	2	1	1	2	6	10	13	16	21	24	24	25	25	25	D1	2	AR	AR	- 3	3.74%	-1.39%	6.43%	
	iShares Currency Hedged MSCI Eurozone	HEZU	36.91	648	13	11	9	1	1	1	1	1	2	2	3	4	6	5	5	16	14	17	D2	1	BF	AR	- 5	1.60%	-7.89%	-1.89%	
	Xtrackers MSCI Europe Hedged Equity	DBEU	41.69	609	15	14	11	3	2	1	1	1	2	4	5	5	11	12	11	20	21	22	D2	1	BF	BR	- 3	1.68%	-8.00%	-2.73%	
	iShares MSCI France ETF	EWQ	39.22	369	4	3	7	1	1	1	1	3	3	4	12	13	12	24	27	30	28	29	D1	2	BR	AR	+ 25	0.64%	-4.13%	5.18%	
	iShares MSCI Sweden ETF	EWD	41.90	352	4	6	12	1	1	1	1	1	2	3	6	13	17	25	29	29	29	29	D1	2	BR	AR	- 3	3.94%	-4.84%	6.78%	
	iShares MSCI Italy ETF	EWI	42.13	338	1	1	5	1	1	1	1	1	2	3	6	8	11	14	17	27	25	25	D1	1	AR	AR	- 3	3.95%	-1.91%	11.54%	

			Relative Strength Ranking - RSR																											% Price Δ		
			MKT	04/18	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	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	28.29	308	1	1	1	1	1	1	1	1	1	2	4	6	22	26	29	29	29	U3	10	AR	AR	+ 26	3.82%	0.57%	28.13%			
	First Trust Stoxx European Select Divic	FDD	13.78	258	1	1	1	1	2	2	2	4	7	10	14	14	19	24	27	26	26	29	U3	7	AR	AR	- 9	4.08%	1.09%	20.22%		
	iShares MSCI Netherlands ETF	EWN	46.55	235	8	8	15	7	4	2	2	15	8	9	28	28	27	26	29	29	29	D2	2	BR	BF	+ 25	1.62%	-3.52%	0.91%			
	First Trust Europe AlphaDEX Fund	FEP	41.18	226	1	1	7	1	2	2	2	6	8	10	15	19	20	24	26	28	27	28	D1	1	AR	AR	- 9	4.04%	-1.55%	12.81%		
	iShares MSCI Denmark ETF	EDEN	100.28	206	20	21	26	25	21	19	17	28	30	30	30	30	30	30	30	30	30	D3	3	BF	BF	+ 25	-0.08%	-8.42%	-2.83%			
	Global X DAX Germany ETF	DAX	39.10	192	1	1	3	1	1	1	1	1	2	2	3	2	3	10	12	21	16	17	D1	1	AR	AR	- 70	2.71%	-2.66%	12.39%		
	Global X MSCI Greece ETF	GREK	47.34	180	1	1	1	1	1	1	1	2	2	3	9	8	7	15	11	21	22	21	U3	10	AR	AR	+ 22	3.09%	0.74%	17.18%		
	WisdomTree Europe SmallCap Divider	DFE	61.57	148	2	3	9	1	4	4	4	17	11	17	22	24	25	30	29	29	28	29	D1	1	AR	AR	- 6	3.31%	-0.56%	10.27%		
	Goldman Sachs ActiveBeta Europe Eq	GSEU	38.50	90	3	3	8	1	1	1	1	3	6	8	17	19	22	27	28	29	28	29	D1	2	AR	AR	+ 20	2.69%	-2.11%	8.70%		
	Franklin FTSE Europe ETF	FLEE	30.77	86	3	3	8	1	1	1	1	2	5	7	15	19	21	26	27	29	28	28	D1	2	BR	AR	- 2	2.57%	-2.55%	8.22%		
	WisdomTree Europe Hedged SmallCap	EUSC	40.99	82	4	5	8	1	2	2	2	4	7	8	11	12	14	13	12	16	17	21	D1	2	BR	AR	- 73	3.28%	-5.23%	4.32%		
	Xtrackers MSCI Eurozone Hedged Equ	DBEZ	47.37	66	12	11	9	1	1	1	1	1	2	2	3	4	7	7	6	17	15	18	D2	1	BF	AR	- 4	1.89%	-7.62%	-0.97%		
	WisdomTree Europe Quality Dividend	EUDG	32.44	65	4	4	9	4	4	4	3	9	10	15	22	24	25	29	29	30	28	29	D1	2	BR	AF	- 6	1.67%	-2.57%	6.76%		
	First Trust Switzerland AlphaDEX Fund	FSZ	68.18	61	4	4	11	3	5	5	4	13	12	19	22	24	25	29	29	29	28	29	D1	2	AR	AR	- 7	1.59%	-1.03%	6.53%		
	iShares MSCI Ireland ETF	EIRL	58.67	59	13	15	15	16	12	11	4	25	28	30	30	30	30	30	30	30	30	D2	2	BF	BF	+ 25	2.26%	-4.65%	2.71%			
	First Trust United Kingdom AlphaDEX	IFKU	41.20	56	3	4	9	4	6	6	5	9	12	15	18	21	25	28	29	23	25	25	D1	2	AR	AR	- 8	3.99%	2.24%	9.50%		
	Global X MSCI Norway ETF	NORW	25.90	48	3	4	9	1	1	1	2	14	10	18	22	19	20	24	22	25	28	29	D1	1	AR	AR	+ 19	3.26%	-5.38%	6.32%		
	First Trust Eurozone AlphaDEX ETF	FEUZ	46.88	45	1	1	6	1	2	2	2	6	8	10	15	19	18	24	25	28	27	29	U3	7	AR	AR	- 9	3.93%	-1.84%	13.21%		
	ALPS O'Shares Europe Quality Divider	OEUR	30.47	37	3	3	7	3	2	4	3	9	10	15	22	24	24	28	29	29	28	29	D1	2	AR	AR	- 7	1.91%	-0.80%	8.58%		
	iShares MSCI United Kingdom Small Cap	EWUS	35.47	35	8	13	17	15	16	15	12	28	28	26	29	28	30	30	30	29	28	29	D2	1	AR	BF	- 3	4.05%	0.28%	4.36%		
	iShares MSCI Norway ETF	ENOR	24.71	33	3	3	9	1	1	1	2	11	11	19	21	19	21	24	22	25	27	29	U3	6	AR	AR	+ 20	2.32%	-5.16%	6.39%		
	Pacer Trendpilot European Index ETF	PTEU	26.10	30	4	1	7	1	1	1	1	3	5	6	18	19	19	25	28	29	28	29	D1	1	BR	AR	+ 22	-2.18%	-6.52%	4.95%		
	iShares MSCI Finland ETF	EFNL	36.89	26	1	2	7	1	1	1	1	4	5	12	27	26	25	29	29	29	29	29	D1	1	AR	AR	+ 22	3.23%	-3.12%	11.67%		
	First Trust Germany AlphaDEX Fund	FGM	47.86	14	1	1	1	1	1	1	1	1	2	1	5	2	2	11	14	20	15	16	U3	13	AR	AR	- 3	4.03%	-0.11%	20.75%		
iShares MSCI Belgium ETF	EWK	20.26	11	1	3	7	3	2	1	2	17	23	26	30	29	30	30	29	29	28	29	U3	4	AR	AR	+ 10	3.47%	0.20%	11.80%			
ProShares Ultra FTSE Europe	UPV	64.06	7	3	5	16	1	2	2	2	5	7	8	19	22	24	30	30	30	30	30	D1	2	BR	AF	- 7	4.51%	-7.00%	12.34%			
ProShares MSCI Europe Dividend Growth	EUDV	49.88	7	4	5	9	7	7	6	5	17	19	21	29	24	25	29	29	29	28	29	D1	2	AR	AR	- 5	1.90%	-0.33%	6.39%			
First Trust Riverfront Dynamic Europe	IRFEU	63.84	6	4	4	9	2	2	1	1	5	12	17	22	27	27	28	29	29	28	29	D1	2	AR	AR	+ 23	2.67%	-1.93%	6.53%			
EF-56	Canada				10	12	14	16	15	18	18	16	13	15	12	17	15	18	14	13	12	15	D3	6	AF	AR	- 8	2.99%	0.42%	1.18%		
	iShares MSCI Canada ETF	EWC	41.10	2,676	9	12	14	16	16	19	18	17	14	15	13	19	15	18	14	13	13	15	D3	6	AF	AR	- 71	3.09%	0.54%	1.36%		
	Franklin FTSE Canada ETF	FLCA	37.35	402	10	12	14	16	15	18	18	13	12	12	10	13	14	17	12	11	11	14	D3	1	AF	AR	- 71	2.89%	0.31%	1.00%		
EF-57	Latin America				2	4	6	3	2	4	12	26	11	14	24	26	29	30	30	30	30	U3	4	AR	AR	+ 13	4.75%	-0.13%	10.64%			
	iShares MSCI Brazil ETF	EWZ	25.22	3,211	5	8	7	3	2	6	19	30	24	15	29	28	30	30	30	30	30	D1	1	BF	BF	+ 53	2.15%	-5.08%	7.09%			
	iShares MSCI Mexico ETF	EWV	54.93	1,785	1	4	6	4	5	2	5	17	6	8	20	29	26	30	30	30	30	U3	1	AR	AF	+ 45	8.39%	6.25%	15.72%			
	iShares Latin America 40 ETF	ILF	23.44	1,307	4	8	7	3	2	3	17	28	14	11	21	27	30	30	30	30	30	D1	1	AR	AF	+ 46	4.13%	-3.10%	8.32%			
	Global X MSCI Argentina ETF	ARGT	85.74	979	3	11	17	3	1	1	2	2	1	1	1	1	1	1	1	1	2	2	D2	3	AR	AR	- 72	8.11%	1.35%	1.07%		
	iShares MSCI Chile ETF	ECH	29.95	563	1	1	1	1	1	1	1	1	2	2	1	5	11	20	22	29	25	25	U3	10	AR	AR	+ 25	5.49%	-1.16%	16.18%		
	Columbia India Consumer ETF	INCO	62.52	322	11	14	16	26	27	30	30	30	30	30	30	30	30	30	30	28	29	29	U1	2	AR	BF	+ 21	3.75%	3.87%	-0.26%		
	Franklin FTSE Brazil ETF	FLBR	15.98	176	4	4	5	1	1	3	17	29	12	15	29	28	30	30	30	30	30	U3	4	BR	BF	+ 52	2.12%	-4.88%	9.13%			
	iShares MSCI Peru ETF	EPV	43.20	134	4	4	9	1	1	2	13	22	22	15	11	27	25	21	18	23	24	22	U3	4	AR	AR	- 71	2.65%	-3.27%	6.82%		
	iShares MSCI Brazil Small-Cap ETF	EWZS	10.94	111	3	3	6	3	4	11	23	30	24	19	30	30	30	30	30	30	30	U3	3	AR	BF	+ 52	2.43%	-0.91%	14.20%			
	Global X MSCI Colombia ETF	GXG	26.70	87	1	1	1	1	1	1	1	1	1	1	1	1	4	10	3	10	21	22	D1	2	BR	AR	- 1	4.22%	-1.77%	12.52%		
	Franklin FTSE Mexico ETF	FLMX	27.05	49	1	4	6	7	6	5	8	22	12	15	28	30	29	30	30	30	30	U3	3	AR	AF	+ 44	8.42%	6.54%	15.95%			
	VanEck Brazil Small-Cap ETF	BRF	12.85	17	3	5	6	3	4	8	19	30	22	19	30	30	30	30	30	30	30	U3	3	AR	AF	+ 53	4.94%	-0.66%	12.42%			

		Relative Strength Ranking - RSR																				% Price Δ									
Group or Corp	Ticker	Price	MKT Cap(MM)	04/18	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	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month			
EF-57	Latin America																														
	First Trust Latin America AlphaDEX Fu	FLN	17.92	11	1	4	5	2	4	4	7	24	16	15	22	24	30	30	30	30	30	30	U3	4	AR	AF	+ 45	6.95%	2.08%	15.78%	
	First Trust Brazil AlphaDEX Fund	FBZ	10.21	6	4	4	6	4	5	7	13	30	28	22	30	30	30	30	30	30	30	30	U3	2	AR	AF	+ 24	2.72%	-1.47%	11.54%	
EF-58	Japan				10	11	15	5	3	4	4	14	14	17	17	17	18	21	17	12	11	13	D2	2	BF	AF	- 3	2.64%	-4.26%	1.91%	
	iShares MSCI Japan ETF	EWJ	68.07	13,856	9	13	18	8	4	5	5	17	15	19	21	22	21	27	25	22	23	20	D2	2	BF	AF	- 4	3.42%	-4.57%	2.86%	
	JPMorgan BetaBuilders Japan ETF	BBJP	55.76	11,530	9	13	18	7	4	5	5	17	16	20	22	22	22	27	25	22	23	20	D2	2	BF	AF	- 3	3.38%	-4.43%	3.08%	
	WisdomTree Japan Hedged Equity Fur	DXJ	102.77	3,134	17	18	20	5	2	5	5	7	17	12	14	7	7	12	5	4	3	4	D3	1	BF	BF	- 27	2.90%	-9.89%	-4.58%	
	Franklin FTSE Japan ETF	FLJP	29.26	1,984	7	11	17	7	3	4	4	17	16	20	22	22	22	27	25	22	23	20	D2	2	AR	AR	- 3	3.21%	-4.00%	3.72%	
	Xtrackers MSCI Japan Hedged Equity I	DBJP	69.82	363	18	19	22	13	5	7	11	17	20	14	16	8	7	15	7	5	4	5	D3	2	BF	BF	- 4	2.59%	-9.03%	-5.69%	
	iShares Currency Hedged MSCI Japan HEWJ		39.64	343	17	20	21	12	4	7	10	15	19	14	16	8	7	15	6	5	4	6	D3	2	BF	BF	- 28	3.50%	-8.64%	-5.10%	
	Japan Smaller Capitalization Fund Inc I	JOJ	8.38	237	1	1	5	1	1	1	1	4	5	10	8	18	15	21	14	6	8	14	U3	14	AR	AR	+ 1	3.33%	-0.59%	11.29%	
	First Trust Japan AlphaDEX Fund	FJP	54.21	154	4	4	16	3	1	1	1	4	5	12	12	18	21	25	22	17	14	16	D1	2	AR	AR	- 3	2.73%	-4.56%	7.41%	
	iShares JPX-Nikkei 400 ETF	JPXN	73.01	88	5	10	16	7	4	5	5	18	20	24	25	24	24	28	28	25	25	24	D2	2	AR	AF	- 3	3.07%	-3.45%	4.54%	
	WisdomTree Japan Hedged SmallCap	DXJS	33.52	74	13	13	16	3	2	4	4	15	18	11	10	8	11	16	5	5	3	6	D2	2	BF	AF	- 30	2.20%	-5.90%	0.12%	
	Goldman Sachs ActiveBeta Japan Equ	GSJY	38.13	38	9	13	18	7	3	4	4	16	15	19	21	22	23	27	25	21	20	19	D2	2	BF	AR	- 122	3.62%	-4.82%	3.15%	
	ProShares Ultra MSCI Japan	EZJ	36.40	5	15	22	29	14	4	5	5	17	19	22	22	24	25	30	30	29	27	30	D2	3	BF	BF	- 3	6.88%	-10.52%	2.53%	
	ProShares UltraShort MSCI Japan	EWV	39.49	4	15	2	1	17	28	24	27	17	19	22	22	22	25	10	5	12	14	9	U2	3	BF	BR	+ 7	-6.47%	6.01%	-8.82%	
EF-59	Middle East/Africa				12	12	15	12	13	6	7	7	5	5	5	7	9	8	7	6	8	10	D2	3	BF	AR	- 8	1.96%	-1.40%	-2.34%	
	iShares MSCI Saudi Arabia ETF	KSA	40.19	685	14	14	11	14	19	16	20	22	11	15	13	11	17	14	14	15	22	20	D3	1	BF	BF	- 6	1.54%	-0.37%	-4.15%	
	iShares MSCI South Africa ETF	EZA	47.90	340	1	4	17	2	3	3	4	25	6	16	18	29	29	29	30	28	29	28	D1	1	AR	AR	- 52	5.00%	0.63%	12.26%	
	iShares MSCI Israel ETF	EIS	75.27	241	12	11	13	14	4	1	2	1	1	1	1	1	1	1	1	1	1	1	D2	3	BF	AR	- 70	1.95%	-2.46%	-7.81%	
	iShares MSCI Turkey ETF	TUR	31.91	144	22	21	18	26	30	1	2	29	30	29	26	23	21	20	18	16	25	20	D3	4	BF	BF	+ 32	-0.53%	3.70%	-12.31%	
	iShares MSCI UAE ETF	UAE	16.76	97	4	4	9	3	3	1	2	1	2	2	1	1	1	1	1	1	1	1	D1	5	BF	AR	- 37	1.51%	-0.42%	-1.30%	
	ARK Israel Innovative Technology ETF	IZRL	21.50	94	15	16	16	16	8	4	4	2	1	1	1	1	1	1	1	1	1	1	D2	3	BF	AR	- 24	1.77%	-3.66%	-9.95%	
	VanEck Israel ETF	ISRA	42.01	90	15	14	15	15	6	3	2	2	2	1	1	1	1	1	1	1	1	1	D2	3	BF	AR	- 67	1.41%	-3.83%	-7.57%	
	BlueStar Israel Technology ETF BlueSi	ITEQ	47.33	80	20	18	21	21	16	18	17	5	3	1	1	1	1	1	2	1	8	8	D3	1	BF	BR	- 40	-0.57%	-6.99%	-11.72%	
	iShares MSCI Qatar ETF	QAT	17.72	78	13	10	14	16	14	11	15	17	21	24	21	19	19	19	14	12	10	16	D3	3	BF	BR	- 40	0.62%	-1.50%	-0.45%	
	VanEck Africa Index ETF	AFK	17.50	43	1	3	14	1	2	2	5	17	6	8	7	17	22	21	21	22	28	26	D1	1	AR	AR	+ 1	3.73%	0.86%	8.16%	
	Commonwealth Africa Fund	CAFRX	8.19	4	12	16	20	12	12	16	18	29	22	26	25	29	29	28	29	25	26	24	D3	3	AF	BR	- 55	4.73%	-2.62%	2.89%	
	T. Rowe Price Africa & Middle East Fur	TRAMX	10.64	0	7	9	7	3	6	7	5	11	6	15	10	18	21	18	17	19	22	20	D1	2	BF	AR	- 69	2.41%	-1.48%	1.92%	
	EF-60	Asia/Pacific				13	15	16	18	19	20	23	30	28	29	30	29	29	28	28	26	27	26	D3	3	AF	BF	- 3	2.32%	-1.68%	-0.82%
iShares MSCI India ETF		INDA	52.26	8,858	8	11	13	19	20	27	30	30	30	30	30	30	30	30	30	28	28	28	U1	3	AR	BF	+ 5	2.96%	1.53%	2.11%	
Vanguard FTSE Pacific ETF		VPL	72.36	6,781	11	13	18	14	6	7	8	17	19	22	22	24	24	27	28	23	25	28	D2	3	BF	BF	+ 1	3.19%	-3.07%	2.23%	
iShares MSCI Taiwan ETF		EWI	44.88	4,035	27	26	26	27	24	22	21	28	17	23	26	28	18	21	20	19	20	17	D3	7	BF	BF	- 74	-1.62%	-10.63%	-13.74%	
WisdomTree India Earnings Fund		EPI	44.04	3,004	13	14	16	20	23	29	30	30	30	30	30	30	30	30	30	29	28	29	U1	2	AR	BF	+ 21	3.07%	1.01%	0.02%	
iShares MSCI South Korea ETF		EWY	54.31	2,794	13	10	16	17	11	15	18	29	17	27	30	30	30	30	30	30	30	30	D2	2	BR	BF	+ 31	0.00%	-4.48%	-0.95%	
iShares Core MSCI Pacific ETF		IPAC	62.00	1,972	10	13	18	12	6	7	8	21	17	19	22	23	23	26	24	22	23	21	D2	3	BF	BR	- 72	3.39%	-2.91%	2.38%	
Franklin FTSE India ETF		FLIN	37.41	1,859	9	13	14	19	21	27	30	30	30	30	30	30	30	30	30	28	28	29	U1	3	AR	BF	+ 5	3.43%	1.60%	1.63%	
iShares MSCI Pacific ex-Japan ETF		EPP	43.66	1,808	14	17	19	18	21	19	17	24	21	16	24	25	23	25	24	23	24	22	D3	5	BF	BR	- 70	3.51%	-1.13%	-1.24%	
iShares MSCI Australia ETF		EWA	23.61	1,445	15	18	25	24	26	25	27	29	28	20	26	28	24	28	28	27	28	27	D3	6	AF	BF	- 71	3.69%	0.77%	-2.60%	
iShares MSCI India Small Cap ETF		SMIN	69.72	795	15	18	19	26	26	30	30	30	30	30	30	30	30	30	30	29	22	23	24	U1	2	AR	BF	- 101	3.47%	0.59%	-3.65%
DBX ETF Trust - Xtrackers Internationa		HAUZ	21.18	778	3	5	9	16	16	16	18	28	28	29	29	30	30	30	30	30	29	29	29	U3	1	AR	AR	+ 10	3.81%	3.83%	7.63%
iShares India 50 ETF		INDY	51.72	657	5	10	10	16	19	27	29	30	30	30	30	30	30	30	30	29	28	28	29	U1	4	AR	BF	+ 5	3.48%	2.54%	4.04%
iShares MSCI Singapore ETF		EWS	23.10	629	4	9	8	1	1	1	1	2	2	3	5	5	7	8	3	5	3	4	D1	2	BR	AR	- 66	4.62%	-2.78%	4.90%	

			Relative Strength Ranking - RSR																				% Price Δ							
Group or Corp		Ticker	Price	MKT Cap(MM)	04/18	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	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month	
EF-60	Asia/Pacific																													
	iShares Asia 50 ETF	AIA	66.37	597	18	16	15	7	2	1	1	3	1	4	9	16	14	17	21	14	18	14	D2	2	BF	BR	- 60	-1.40%	-11.61%	-3.53%
	iShares MSCI Hong Kong ETF	EWK	16.43	555	15	17	9	7	4	1	1	4	13	23	30	28	27	25	26	19	12	12	D2	2	BR	BR	- 31	2.88%	-7.90%	0.18%
	VanEck Vietnam ETF	VNM	11.73	374	12	5	7	3	2	1	2	11	26	30	30	29	29	30	30	29	28	29	D1	1	BR	BF	- 1	-1.18%	-6.46%	3.08%
	SPDR S&P Emerging Asia Pacific ETF	GMF	109.65	334	18	17	16	17	14	14	15	26	9	18	23	26	22	24	22	16	14	12	D3	3	BF	BR	- 71	0.20%	-7.38%	-4.17%
	iShares MSCI Indonesia ETF	EIDO	16.13	276	27	28	29	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	D3	17	BF	BF	+ 19	1.64%	3.27%	-12.81%
	First Trust India NIFTY 50 Equal Weigh	NFTY	56.55	232	7	12	13	18	21	27	30	30	30	30	30	30	30	30	30	29	29	29	U1	4	AR	BF	+ 6	3.32%	1.69%	2.82%
	Invesco India ETF	PIN	25.36	222	11	14	15	19	21	27	30	30	30	30	30	30	30	30	29	26	28	28	U1	3	AR	BF	+ 5	3.85%	1.12%	1.56%
	iShares MSCI Malaysia ETF	EWK	22.77	208	17	17	17	23	24	24	27	28	27	27	29	30	27	29	23	21	14	19	D3	7	BF	BF	- 73	1.38%	-1.64%	-2.86%
	VanEck India Growth Leaders ETF	GLIN	43.14	133	18	24	22	28	30	30	30	30	30	30	30	30	30	30	29	23	25	25	U1	1	AF	BF	+ 1	3.88%	0.61%	-6.51%
	Franklin FTSE South Korea ETF	FLKR	18.45	114	13	11	16	18	12	15	18	28	15	27	30	30	29	30	30	30	30	30	D2	3	BF	BF	+ 30	0.06%	-4.55%	-1.71%
	iShares MSCI Philippines ETF	EPHE	25.30	95	9	10	15	19	14	15	21	30	30	30	30	30	30	30	29	27	28	29	U1	6	AR	BF	+ 2	1.37%	-1.89%	2.23%
	iShares MSCI New Zealand ETF	ENZL	43.50	72	15	16	20	26	29	27	29	30	30	29	30	30	27	28	29	28	27	24	D3	9	AF	BF	- 45	2.62%	4.02%	-4.27%
	iShares MSCI Austria ETF	EWO	25.45	69	1	1	3	1	1	1	1	1	2	2	9	10	11	20	22	25	24	25	U3	10	AR	AR	+ 23	4.18%	-1.85%	18.80%
	Global X FTSE Southeast Asia ETF	ASEA	15.33	58	17	18	18	20	25	24	24	30	29	29	29	28	24	25	22	22	20	22	D3	14	BF	BR	- 67	2.89%	-1.10%	-4.07%
	Franklin FTSE Australia ETF	FLAU	27.88	52	15	18	25	23	26	25	26	29	28	20	25	28	24	27	27	27	28	28	D3	6	AF	BF	- 71	3.49%	0.71%	-2.80%
iShares Asia/Pacific Dividend ETF	DVYA	34.33	38	17	18	18	17	19	9	10	29	19	22	22	24	24	24	22	22	20	22	D3	3	BF	BF	+ 11	2.10%	-4.14%	-4.07%	
VanEck Indonesia Index ETF	IDX	12.54	28	27	28	29	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	D3	18	BF	BF	- 8	2.87%	1.62%	-15.50%	
Franklin FTSE Asia Ex Japan ETF	FLAX	22.42	27	15	14	14	13	6	7	8	22	6	18	27	27	24	26	26	22	23	21	D2	2	BF	BF	- 69	0.44%	-6.40%	-1.13%	
First Trust Asia Pacific ex-Japan Alpha FPA	FPA	29.08	15	5	9	16	17	11	7	9	26	13	15	22	24	21	24	22	23	27	27	D2	2	AR	AR	- 9	2.75%	1.42%	2.85%	
EF-61	China																													
	KraneShares CSI China Internet ETF	KWEB	30.21	5,764	16	11	8	1	1	1	1	1	1	1	4	9	12	16	24	14	4	3	D2	1	BF	BR	- 3	-1.45%	-11.16%	2.08%
	iShares China Large-Cap ETF	FXI	32.40	5,497	8	3	3	1	1	1	1	1	1	1	1	2	7	14	26	11	7	6	D1	2	BF	BR	- 30	-1.05%	-15.09%	2.83%
	iShares MSCI China ETF	MCHI	49.29	5,254	12	5	4	1	1	1	1	1	1	1	3	5	12	16	23	10	4	4	D1	2	BF	AR	- 51	-1.64%	-11.38%	6.54%
	Xtrackers Harvest CSI 300 China A-Sh	ASHR	25.53	1,716	16	14	12	17	16	2	9	17	6	11	15	21	17	18	22	21	4	3	D3	3	BF	BR	- 30	-0.70%	-4.45%	-1.54%
	Invesco China Technology ETF	CQQQ	39.95	915	17	11	9	2	1	1	1	1	1	1	3	4	8	18	10	1	1	D2	1	BF	BR	- 30	-2.82%	-13.42%	1.84%	
	SPDR S&P China ETF	GXC	78.10	391	13	6	6	1	1	1	1	1	1	1	3	8	12	15	22	10	3	3	D1	2	BF	AR	- 30	-1.21%	-11.24%	4.52%
	WisdomTree China ex-State-Owned E	CXSE	30.41	374	16	11	7	1	1	1	1	1	1	2	5	11	17	19	27	16	7	6	D1	2	BF	BR	- 30	-1.39%	-11.47%	3.15%
	Direxion Daily CSI China Internet Index	CWEB	31.49	234	28	27	16	1	1	1	1	1	1	1	1	1	8	24	30	28	23	12	D2	1	BF	BR	- 29	-2.51%	-30.10%	-1.87%
	Global X MSCI China Consumer Discre	CHIQ	19.74	214	15	8	7	1	1	1	1	1	1	1	1	4	7	8	21	6	8	8	D1	2	BF	AR	- 29	-2.23%	-13.12%	2.87%
	iShares MSCI China A ETF	CNYA	26.82	209	17	14	13	16	16	3	9	17	6	11	15	20	18	18	22	21	4	2	D3	2	BF	BR	- 29	-1.00%	-4.79%	-1.69%
	KraneShares Bosera MSCI China A 50	KBA	22.80	169	15	13	14	16	16	3	14	17	6	14	21	26	23	23	23	22	7	6	D2	2	BF	BR	- 31	-0.22%	-4.12%	0.13%
	Franklin FTSE China ETF	FLCH	19.31	158	12	5	4	1	1	1	1	1	1	1	3	5	12	16	22	10	4	3	D1	2	BF	AR	- 31	-0.84%	-11.19%	6.20%
	Invesco Golden Dragon China ETF	PGJ	25.23	132	20	19	9	1	2	2	2	3	2	3	6	9	10	11	14	10	6	7	D2	1	BF	BR	- 28	-0.59%	-17.19%	-3.62%
	KraneShares MSCI All China Health C	KURE	14.74	81	11	4	5	3	8	1	8	5	2	15	28	29	28	29	30	29	22	17	U3	3	BR	AR	- 29	-0.87%	-2.90%	7.24%
	iShares MSCI China Small-Cap ETF	ECNS	25.69	62	13	5	7	1	1	1	1	1	1	2	3	10	14	15	15	5	1	2	D1	2	BF	AR	- 29	-1.88%	-9.22%	4.22%
	KraneShares MSCI China Clean Techn	KGRN	23.68	45	9	2	3	1	1	1	1	1	1	1	1	7	11	11	15	6	1	1	D1	2	BF	AR	- 29	-3.24%	-9.52%	6.80%
	First Trust China AlphaDEX Fund	FCA	19.58	32	15	14	9	4	4	3	3	7	7	10	13	18	18	16	15	14	11	13	D2	1	BF	BR	- 28	0.00%	-9.16%	-0.64%
	Xtrackers Harvest CSI 500 China A-Sh	ASHS	27.08	26	17	13	9	13	6	1	2	5	2	4	6	18	12	15	23	22	3	1	D2	2	BF	BR	- 28	-2.27%	-7.83%	-0.87%
	VanEck ChiNext ETF	CNXT	24.60	25	27	25	18	20	19	2	4	5	1	3	3	10	3	6	16	10	1	1	D3	3	BF	BR	- 29	-2.30%	-12.39%	-8.48%
FIXED INCOME - Bonds (US)																														
EF-62	Broad Bond Market																													
	Vanguard Total Bond Market ETF	BND	72.65	125,098	9	7	3	7	8	11	13	10	22	27	26	27	27	26	22	23	23	24	U3	4	BR	BR	+ 11	0.97%	-1.03%	1.70%
	iShares Core U.S. Aggregate Bond ET	AGG	97.87	122,651	8	6	3	7	8	7	9	11	19	22	22	24	25	24	19	23	22	22	U3	3	BR	AR	- 7	0.86%	-0.55%	1.96%
	iShares Core Total USD Bond Market f	IUSB	45.54	32,757	8	6	3	7	8	7	9	11	19	22	22	24	25	24	19	22	22	21	U3	3	BR	AR	- 8	0.93%	-0.65%	1.79%
	Vanguard Intermediate-Term Bond ET	BIV	76.00	22,842	6	6	2	7	7	7	9	11	19	22	22	24	25	24	19	23	22	22	U3	3	AR	AR	- 7	1.27%	-0.16%	2.74%

				Relative Strength Ranking - RSR																				% Price Δ						
Group or Corp		Ticker	Price	MKT Cap(MM)	04/18	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	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month	
EF-62	Broad Bond Market																													
	SPDR Portfolio Aggregate Bond ETF	SPAB	25.27	8,503	8	6	3	7	8	7	9	11	19	22	22	24	25	24	19	23	22	22	U3	3	BR	AR	- 7	0.92%	-0.54%	2.01%
	Schwab US Aggregate Bond ETF	SCHZ	22.93	8,489	8	6	3	7	8	7	9	11	19	22	22	24	25	24	19	23	22	22	U3	3	BR	AR	- 7	0.92%	-0.63%	1.97%
	Vanguard Long-Term Bond ETF	BLV	68.12	6,035	13	13	3	8	8	9	10	11	19	22	29	29	30	29	29	29	28	27	D1	1	BF	BF	+ 18	1.14%	-2.90%	0.88%
	PIMCO Active Bond ETF	BOND	90.70	5,461	9	7	3	7	7	7	8	10	19	22	22	24	25	24	19	22	22	21	U3	4	BR	AR	- 8	0.92%	-1.40%	1.65%
	iShares Agency Bond ETF	AGZ	109.02	638	6	5	3	7	8	7	9	13	19	22	22	23	24	21	15	21	19	20	U3	6	AR	AR	- 74	0.65%	0.14%	1.66%
	iShares Core 10+ Year USD Bond ETF	ILTB	48.25	591	13	13	3	8	8	8	10	11	19	22	22	29	30	29	29	28	27	26	D2	1	BF	BF	+ 17	1.17%	-3.15%	0.60%
	Vident U.S. Bond Strategy ETF	VBND	43.11	448	9	5	3	7	8	7	9	11	19	22	22	24	25	24	19	22	22	22	U3	3	BR	AR	- 7	1.00%	-0.90%	1.39%
EF-63	U.S. Government				9	8	1	8	9	13	15	11	24	28	27	28	29	28	27	27	26	27	U3	3	BR	BF	+ 11	0.92%	-1.18%	2.28%
	iShares 20+ Year Treasury Bond ETF	TLT	87.53	48,089	13	12	1	8	8	8	13	11	19	29	29	30	30	30	30	29	28	29	D1	1	BF	BF	+ 21	0.74%	-3.15%	1.43%
	iShares 7-10 Year Treasury Bond ETF	IEF	94.68	34,691	5	5	1	7	7	7	9	11	19	22	22	24	25	24	24	23	25	22	U3	3	AR	AR	- 5	1.25%	-0.04%	3.37%
	Vanguard Intermediate-Term Treasury	VGIT	59.29	31,817	4	4	2	7	7	7	9	11	19	22	22	24	25	24	19	22	22	21	U3	4	AR	AR	- 7	1.07%	0.50%	3.18%
	iShares U.S. Treasury Bond ETF	GOVT	22.81	27,078	6	5	2	7	8	7	9	11	19	22	22	24	25	24	19	23	22	22	U3	3	AR	AR	- 6	0.75%	-0.17%	2.48%
	iShares 3-7 Year Treasury Bond ETF	IEI	118.14	16,540	4	4	2	7	7	7	9	11	19	22	22	24	25	24	19	22	22	21	U3	4	AR	AR	- 8	0.98%	0.61%	3.09%
	Schwab Intermediate-Term US Treasu	SCHR	24.82	10,521	4	4	2	7	7	7	9	11	19	22	22	24	25	24	19	22	22	21	U3	4	AR	AR	- 7	1.10%	0.51%	3.15%
	Vanguard Long-Term Treasury ETF	VGLT	55.62	9,636	13	11	1	7	8	7	10	11	19	22	29	30	30	30	29	29	28	29	U3	3	BF	BF	+ 20	0.89%	-2.80%	1.91%
	SPDR Portfolio Intermediate Term Treas	SPTI	28.53	7,894	4	4	2	7	7	7	9	11	19	22	22	24	25	24	19	22	22	21	U3	4	AR	AR	- 7	1.10%	0.47%	3.21%
	PIMCO 25+ Year Zero Coupon US Tre	ZROZ	66.53	1,478	18	16	1	10	11	9	13	17	30	30	30	30	30	30	30	30	30	30	D3	1	BF	BF	+ 22	-0.27%	-6.04%	-0.59%
	Invesco Taxable Municipal Bond ETF	BAB	26.26	956	12	10	3	11	8	7	9	11	19	22	22	24	25	24	23	23	24	22	D1	1	BF	BR	- 5	1.63%	-1.56%	1.24%
	Invesco 1-30 Laddered Treasury ETF	PLW	27.30	874	11	8	1	9	8	7	10	11	19	22	22	24	30	28	28	28	27	26	U3	3	BR	BF	+ 18	0.92%	-1.54%	2.08%
	EF-64	Credit				11	9	5	10	11	14	13	12	20	25	23	24	24	23	18	21	20	20	D1	2	BF	BR	- 2	1.10%	-1.27%
Vanguard Intermediate-Term Corporate		VCIT	80.74	51,489	8	8	3	7	8	7	9	11	19	22	22	24	25	24	19	22	21	20	U3	3	BR	AR	- 9	1.48%	-0.72%	1.78%
iShares iBoxx \$ Investment Grade Cor		LQD	106.75	29,196	12	10	3	8	8	8	10	13	19	22	22	24	25	24	23	23	22	22	D1	1	BR	BR	- 6	1.44%	-1.47%	1.10%
iShares 5-10 Year Investment Grade C		IGIB	51.84	14,414	8	8	3	7	8	7	9	11	19	22	22	24	25	24	19	22	21	20	U3	3	BR	AR	- 10	1.45%	-0.77%	1.82%
Vanguard Long-Term Corporate Bond		VCLT	73.51	13,165	14	14	4	8	9	9	10	13	19	22	22	24	25	28	28	28	26	25	D2	1	BF	BF	+ 16	1.48%	-3.04%	-0.24%
SPDR Portfolio Intermediate Term Cor		SPIB	32.97	9,377	8	6	3	7	8	7	9	11	19	22	22	23	24	22	15	20	18	19	U3	5	AR	AR	- 72	1.07%	-0.29%	1.76%
iShares iBonds Dec 2025 Term Corpor		IBDQ	25.12	3,144	7	4	4	8	8	7	9	13	17	22	18	19	21	18	12	16	15	16	U3	92	AR	AR	- 118	0.12%	0.30%	1.01%
iShares 10+ Year Investment Grade C		IGLB	48.60	2,440	14	14	5	8	9	9	10	12	19	22	22	24	25	28	28	27	25	22	D2	1	BF	BF	+ 16	1.38%	-3.13%	-0.24%
iShares 0-5 Year Investment Grade Co		SLQD	50.10	2,204	6	4	3	7	8	7	9	12	18	22	21	21	22	19	13	17	16	17	U3	19	AR	AR	- 119	0.62%	0.18%	1.57%
SPDR Portfolio Corporate Bond ETF		SPBO	28.56	1,656	11	10	3	8	8	7	9	11	19	22	22	24	25	24	19	22	22	21	D1	1	BR	BR	- 8	1.24%	-1.19%	1.06%
iShares Aaa-A Rated Corporate Bond		QLTA	46.93	1,633	11	8	3	8	8	7	10	13	19	22	22	24	25	24	19	23	22	22	U3	3	BR	AR	- 6	1.10%	-0.94%	1.42%
PIMCO Investment Grade Corporate B		CORP	95.17	1,335	11	8	3	7	8	7	9	11	19	22	22	24	25	24	19	22	21	21	D1	1	BR	AR	- 9	1.09%	-1.25%	1.25%
SPDR Portfolio Long Term Corporate		E SPLB	21.85	1,146	14	14	5	8	9	9	13	13	19	22	22	24	25	28	28	28	26	25	D2	1	BF	BF	+ 15	1.39%	-3.11%	-0.33%
WisdomTree Yield Enhanced U.S. Agg		AGGY	42.95	825	11	8	3	10	8	7	9	11	19	22	22	24	25	24	19	23	22	21	U3	4	BR	AR	- 7	1.04%	-1.01%	1.30%
iShares Interest Rate Hedged Corpora		LQDH	90.58	471	13	10	7	8	8	7	9	13	11	17	15	16	18	15	11	15	14	15	D2	2	BF	AR	- 125	0.56%	-1.72%	-1.58%
iShares Interest Rate Hedged High Yie		HYGH	83.64	389	13	11	14	8	8	7	9	11	11	16	15	14	15	14	10	13	13	14	D2	3	BF	AR	- 129	0.89%	-2.01%	-2.35%
ProShares Investment Grade-Interest		IGHG	76.08	266	13	10	7	8	11	9	10	17	12	19	17	16	18	15	10	14	13	14	D3	1	BF	AR	- 126	0.90%	-0.66%	-1.95%
Invesco Global Short Term High Yield	PGHY	19.39	153	13	11	7	9	7	7	7	10	13	18	15	19	22	18	12	16	15	16	D2	2	BF	AR	- 123	1.33%	-2.53%	-0.57%	
	Invesco Fundamental Investment Grac	PFIG	23.75	84	7	6	3	7	8	7	9	12	19	22	22	24	24	22	17	21	20	20	U3	5	AR	AR	- 72	1.16%	-0.15%	1.89%
EF-65	Asset Allocation				21	20	19	22	21	21	19	18	18	15	15	17	17	16	17	17	17	16	D3	6	BF	BF	- 8	-0.28%	-6.32%	-9.69%
	iShares Core Aggressive Allocation ET	AOA	73.79	2,096	17	16	16	10	11	9	10	13	12	15	16	18	18	17	17	17	15	17	D3	2	BF	BF	- 72	0.34%	-4.31%	-4.69%
	iShares Core Moderate Allocation ETF	AOM	42.88	1,445	13	12	9	8	9	9	10	13	16	18	20	21	22	21	18	19	17	19	D2	3	BF	BR	- 71	0.89%	-2.28%	-1.34%
	WBI BullBear Yield 3000 ETF	WBIG	20.53	32	27	27	23	26	26	25	13	17	19	22	22	23	21	20	19	21	19	20	D3	8	BF	BF	+ 8	-1.06%	-10.44%	-15.22%
	WBI BullBear Quality 3000 ETF	WBIL	28.75	30	29	29	28	29	30	29	29	28	27	15	16	16	15	16	17	12	13	11	D3	8	BF	BF	- 19	-1.20%	-10.25%	-19.10%

				Relative Strength Ranking - RSR																				% Price Δ						
Group or Corp	Ticker	Price	MKT Cap(MM)	04/18	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	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month		
EF-65	Asset Allocation																													
	WBI BullBear Value 3000 ETF	WBIF	26.05	27	25	23	18	19	11	9	10	11	17	15	14	15	18	19	19	23	22	22	D3	5	BF	BF	- 27	-1.52%	-8.80%	-11.13%
	VanEck Long/Flat Trend ETF	LFEQ	45.41	23	20	20	25	24	24	22	21	15	9	8	9	9	8	9	8	6	7	7	D3	4	BF	BF	- 75	0.39%	-4.90%	-10.06%
	Arrow DWA Tactical: Macro ETF	DWAT	11.20	2	17	16	19	18	19	19	20	13	8	9	9	11	11	11	13	12	14	12	D3	3	BF	BR	- 67	0.20%	-3.28%	-5.56%
EF-66	Mortgages				7	5	2	7	7	9	10	8	19	25	24	24	26	24	21	22	21	22	U3	5	BR	AR	+ 12	0.87%	-0.54%	2.09%
	iShares MBS ETF	MBB	92.48	36,187	8	6	3	7	7	7	9	11	19	22	22	24	25	24	19	23	22	22	U3	3	BR	AR	- 7	0.62%	-0.79%	2.05%
	Vanguard Mortgage-Backed Securities VMBS		45.74	19,112	8	6	2	7	7	7	9	11	19	22	22	24	25	24	19	22	22	21	U3	4	BR	AR	- 8	1.19%	-0.69%	2.01%
	SPDR Portfolio Mortgage Backed Bond SPMB		21.77	5,776	8	6	2	7	7	7	9	11	19	22	22	24	25	24	19	23	22	22	U3	3	BR	AR	- 7	1.02%	-0.74%	2.14%
	First Trust Low Duration Opportunities I LMBS		48.93	4,893	7	5	3	7	8	7	8	11	18	22	21	21	23	20	14	18	16	18	U3	19	AR	AR	- 118	0.89%	-0.22%	1.48%
	FlexShares iBoxx 5 Year Target Duration TDTF		23.84	777	5	4	2	6	7	7	8	10	19	22	22	23	24	23	18	22	22	22	U3	4	AR	AR	- 9	1.10%	0.03%	2.97%
	iShares GNMA Bond ETF	GNMA	43.21	346	9	6	2	7	7	7	9	11	19	22	22	24	25	24	19	23	22	21	U3	3	BR	AR	- 7	0.70%	-1.11%	1.77%
	FlexShares Disciplined Duration MBS II MBSD		20.50	83	6	5	2	7	7	7	8	11	19	22	22	24	25	24	19	22	21	20	U3	4	BR	AR	- 9	0.59%	-0.25%	2.21%
EF-67	Inflation				6	5	2	5	7	9	10	6	18	24	21	23	25	23	19	22	22	23	U3	6	BR	AR	+ 12	0.84%	-0.40%	2.22%
	Vanguard Short-Term Inflation-Protected VTIP		49.86	14,669	4	3	3	6	7	7	8	11	13	21	19	19	22	19	13	17	16	18	U3	21	AR	AR	- 110	0.59%	0.68%	2.58%
	iShares TIPS Bond ETF	TIP	109.03	13,923	6	5	3	6	7	7	9	10	19	22	22	24	25	24	19	23	22	22	U3	4	AR	AR	- 8	0.98%	-0.34%	2.38%
	Schwab US TIPS ETF	SCHP	26.43	12,937	6	5	2	6	7	7	9	10	19	22	22	24	25	24	19	23	22	22	U3	4	BR	AR	- 9	0.95%	-0.49%	2.29%
	iShares 0-5 Year TIPS Bond ETF	STIP	102.84	11,744	4	3	3	6	7	7	8	11	16	21	19	19	22	19	13	17	16	18	U3	21	AR	AR	- 109	0.54%	0.68%	2.56%
	SPDR Bloomberg 1-10 Year TIPS ETF TIPX		19.00	1,644	5	4	2	6	7	7	8	10	17	22	21	22	23	21	15	21	20	20	U3	8	AR	AR	- 71	0.90%	0.30%	2.71%
	SPDR Portfolio TIPS ETF	SPIP	25.83	984	7	6	3	6	7	7	9	10	19	22	22	24	25	24	19	23	22	22	U3	4	BR	AR	- 8	1.02%	-0.44%	2.30%
	PIMCO 15+ Year US TIPS Index ETF	LTPZ	51.59	682	15	15	3	8	9	9	13	10	19	22	22	28	30	30	29	29	28	29	D2	1	BF	BF	+ 18	1.14%	-4.19%	-0.03%
	PIMCO 1-5 Year US TIPS Index ETF	STPZ	53.66	446	4	3	2	6	7	7	8	10	16	22	19	20	23	19	13	18	17	19	U3	13	AR	AR	- 108	0.52%	0.69%	2.66%
	PIMCO Broad US TIPS Index ETF	TIPZ	52.79	97	7	6	2	6	7	7	9	10	19	22	22	24	25	24	19	23	22	22	U3	4	BR	AR	- 8	0.93%	-0.52%	2.33%
EF-68	Short Duration				7	4	4	8	11	10	11	14	17	22	20	20	22	18	11	16	14	17	U3	22	AR	AR	- 2	0.45%	0.12%	1.19%
	SPDR Bloomberg 1-3 Month T-Bill ETF BIL		91.63	49,099	8	4	4	8	8	7	9	13	18	22	19	19	21	18	12	16	15	16	U3	152	AR	AR	- 152	0.08%	0.32%	1.03%
	Vanguard Short-Term Bond ETF	BSV	78.25	38,106	5	4	3	7	8	7	9	13	19	22	22	22	23	21	14	19	17	19	U3	9	AR	AR	- 77	0.66%	0.46%	2.14%
	Vanguard Short-Term Corporate Bond VCSH		78.63	34,336	6	5	3	7	8	7	9	12	18	22	21	21	23	20	13	18	16	18	U3	18	AR	AR	- 119	0.89%	0.11%	1.71%
	iShares 1-3 Year Treasury Bond ETF	SHY	82.75	24,105	5	4	3	7	8	7	9	13	19	22	21	21	23	20	13	17	16	18	U3	18	AR	AR	- 116	0.39%	0.55%	1.81%
	iShares Short Treasury Bond ETF	SHV	110.34	23,037	8	4	4	8	8	7	9	13	18	22	19	19	21	18	12	16	15	16	U3	140	AR	AR	- 139	0.08%	0.33%	1.04%
	Vanguard Short-Term Treasury ETF	VGSH	58.71	22,927	5	4	3	7	8	7	9	13	19	22	21	21	23	19	13	17	16	18	U3	18	AR	AR	- 117	0.38%	0.52%	1.81%
	iShares 1-5 Year Investment Grade Corporate IGSB		52.12	21,077	6	5	3	7	8	7	9	11	18	22	21	21	23	20	14	18	16	18	U3	18	AR	AR	- 119	0.85%	0.06%	1.74%
	WisdomTree Floating Rate Treasury Fund USFR		50.42	18,631	8	4	4	9	8	7	9	13	16	21	18	19	21	18	12	16	15	16	U3	168	AR	AR	- 168	0.10%	0.30%	0.98%
	PIMCO Enhanced Short Maturity Active MINT		100.28	12,947	8	4	4	7	8	7	9	13	16	21	18	19	21	18	12	16	15	16	U3	125	AR	AR	- 123	0.13%	0.12%	0.92%
	Schwab Short-Term US Treasury ETF	SCHO	24.36	11,006	5	4	3	7	8	7	9	13	19	22	21	21	23	20	13	17	16	18	U3	18	AR	AR	- 116	0.41%	0.51%	1.87%
	iShares Floating Rate Bond ETF	FLOT	50.76	8,802	8	6	6	7	8	7	9	13	16	21	18	19	21	17	12	16	15	16	D1	2	AR	AR	- 135	0.81%	-0.08%	0.72%
	SPDR Portfolio Short Term Corporate Bond SPSB		29.99	7,926	6	4	3	7	8	7	9	12	18	22	20	20	22	19	13	16	16	17	U3	20	AR	AR	- 119	0.57%	0.21%	1.43%
	iShares Treasury Floating Rate Bond ETF TFLB		50.58	7,172	7	4	4	8	8	7	9	13	17	21	18	19	21	18	12	16	15	16	U3	168	AR	AR	- 168	0.08%	0.30%	1.02%
	First Trust Enhanced Short Maturity ETF FTSM		59.92	6,624	7	4	3	7	8	7	9	13	17	22	19	19	22	18	12	16	15	16	U3	140	AR	AR	- 139	0.13%	0.25%	1.11%
	SPDR Portfolio Short Term Treasury ETF SPTS		29.25	5,914	5	4	3	7	8	7	9	13	19	22	21	21	23	19	13	17	16	18	U3	18	AR	AR	- 116	0.31%	0.55%	1.82%
	BlackRock Ultra Short-Term Bond ETF ICSH		50.59	5,755	7	4	3	7	8	7	9	13	17	22	18	19	21	18	12	16	15	16	U3	141	AR	AR	- 139	0.14%	0.36%	1.23%
	iShares Core 1-5 Year USD Bond ETF ISTB		48.23	4,495	6	4	3	7	8	7	9	12	19	22	21	21	23	20	14	18	17	18	U3	17	AR	AR	- 118	0.70%	0.27%	1.78%
	BlackRock Short Maturity Bond ETF	NEAR	50.70	3,181	7	4	3	7	8	7	9	12	18	22	20	20	22	19	13	16	16	17	U3	20	AR	AR	- 134	0.58%	0.12%	1.41%
	SPDR Bloomberg Investment Grade Floating Rate FLRN		30.67	2,739	8	5	6	7	8	7	9	12	16	21	18	19	21	17	12	16	15	16	D1	2	AR	AR	- 136	0.72%	-0.08%	0.76%
	FlexShares iBoxx 3 Year Target Duration TDTT		24.15	2,354	4	4	3	6	7	7	8	11	17	22	20	21	23	19	14	19	18	19	U3	13	AR	AR	- 75	0.62%	0.48%	2.66%
	VanEck IG Floating Rate ETF	FLTR	25.32	2,322	8	6	6	7	8	7	8	11	13	20	17	19	20	17	11	16	15	15	D1	2	AR	AR	- 134	0.92%	-0.45%	0.46%

			Relative Strength Ranking - RSR																				% Price Δ							
Group or Corp	Ticker	Price	MKT Cap(MM)	04/18	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	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month		
EF-68	Short Duration																													
	SPDR SSgA Ultra Short Term Bond E	ULST	40.56	626	7	4	3	7	8	7	9	13	18	22	19	20	22	18	12	16	15	16	U3	137	AR	AR	- 137	0.23%	0.27%	1.24%
	Fidelity Limited Term Bond ETF	FLTBD	49.95	225	7	5	3	7	8	7	9	11	18	22	21	21	23	19	13	17	16	18	U3	18	AR	AR	- 118	0.82%	-0.13%	1.46%
	Franklin Short Duration U.S. Governm	FTSD	90.68	220	6	4	3	7	8	7	9	13	17	22	19	20	22	19	13	16	15	17	U3	92	AR	AR	- 116	0.35%	0.25%	1.54%
	WisdomTree Interest Rate Hedged Hig	HYZD	21.65	171	13	11	9	14	9	8	9	11	12	17	15	14	17	15	10	14	14	14	D2	3	BF	BR	- 128	0.60%	-1.97%	-2.48%
	WisdomTree Interest Rate Hedged U.S	AGZD	22.12	128	12	6	6	11	9	7	10	12	13	20	18	19	19	18	12	16	14	16	D2	1	BF	AR	- 127	0.05%	-0.56%	-0.48%
EF-69	Municipal Bonds																													
	iShares National Muni Bond ETF	MUB	103.60	38,767	14	13	5	15	14	14	16	15	19	25	21	23	24	22	16	20	19	20	D2	4	BF	BF	- 4	1.03%	-2.00%	-1.41%
	Vanguard Tax-Exempt Bond ETF	VTEB	48.65	35,126	14	14	6	10	11	9	10	17	19	22	22	24	25	23	17	20	20	20	D3	3	BF	BF	- 71	1.26%	-1.85%	-1.71%
	iShares Short-Term National Muni Bond	SUB	105.20	9,005	11	6	4	8	9	7	10	17	19	22	21	21	23	20	13	18	17	19	D1	2	BF	AR	- 75	0.26%	-0.14%	0.30%
	SPDR Nuveen Bloomberg Short Term	SHM	47.15	3,378	12	8	4	8	9	7	10	17	19	22	21	22	24	21	14	19	19	19	D1	2	BF	BR	- 72	0.28%	-0.76%	-0.06%
	VanEck High Yield Muni ETF	HYD	49.92	3,230	15	14	6	10	9	8	10	11	19	22	21	23	24	22	15	19	19	21	D3	1	BF	BF	- 70	1.34%	-3.12%	-2.38%
	SPDR Nuveen Bloomberg Municipal B	TFI	44.23	3,067	15	14	6	10	11	9	10	17	19	22	22	24	25	24	18	21	21	20	D3	3	BF	BF	- 2	1.38%	-2.15%	-1.82%
	Invesco National AMT-Free Municipal E	PZA	22.51	2,860	16	16	6	18	11	9	13	17	19	22	22	24	25	24	19	21	21	21	D3	4	BF	BF	+ 12	1.31%	-3.12%	-3.29%
	SPDR Nuveen Bloomberg High Yield M	HYMB	24.46	2,549	16	16	6	10	9	9	10	11	18	22	21	24	24	23	18	20	20	21	D3	1	BF	BF	- 70	1.07%	-4.21%	-3.14%
	First Trust Managed Municipal ETF	FMB	49.60	1,917	14	13	5	16	11	9	10	13	19	22	22	24	24	23	15	20	20	20	D3	1	BF	BF	- 71	0.98%	-2.19%	-1.73%
	VanEck Intermediate Muni ETF	ITM	44.88	1,880	14	13	6	10	11	9	10	13	19	22	22	24	25	23	15	19	18	20	D3	1	BF	BF	- 70	1.17%	-1.75%	-1.36%
	PIMCO Intermediate Municipal Bond A	MUNI	50.79	1,877	13	11	5	8	9	9	10	12	19	22	22	24	24	23	16	21	20	20	D2	2	BF	BF	- 71	0.89%	-1.63%	-0.90%
	BlackRock Short Maturity Municipal Bo	MEAR	49.94	971	10	5	5	8	8	7	9	13	19	22	21	21	23	20	13	17	16	18	U3	129	BR	AR	- 141	-0.12%	-0.31%	0.54%
	PIMCO Short Term Municipal Bond Act	SMMU	49.60	766	11	7	4	8	9	7	9	17	19	22	21	22	23	21	13	18	17	19	D1	2	BF	AR	- 121	0.40%	-0.60%	0.13%
	Franklin Dynamic Municipal Bond ETF	FLMI	23.89	598	14	13	4	8	9	9	9	12	19	22	21	24	24	22	15	19	19	19	D2	2	BF	BR	- 71	1.36%	-2.26%	-1.32%
	VanEck Short High Yield Muni ETF	SHYD	22.18	316	13	10	3	8	8	7	9	11	13	21	18	19	22	19	13	17	17	17	D2	1	BF	BR	- 69	0.68%	-2.11%	-1.12%
	VanEck CEF Muni Income ETF	XYMT	20.64	170	17	17	8	10	11	9	13	11	19	22	22	24	25	24	22	23	26	26	D3	3	BF	BF	- 8	1.52%	-4.63%	-3.76%
	Franklin Municipal Green Bond ETF	FLMB	22.93	95	15	16	6	10	11	9	13	17	19	22	22	24	25	24	18	20	21	21	D3	3	BF	BF	- 2	1.66%	-2.83%	-2.48%
	Invesco VRDO Tax-Free ETF	PVI	24.92	29	8	5	6	12	9	7	10	17	19	22	21	22	23	19	12	17	16	18	U3	154	AR	AR	- 152	0.32%	0.47%	0.66%
	First Trust Flexible Municipal High Inco	MLFX	16.48	14	15	16	4	16	11	9	10	12	19	22	21	23	25	24	19	21	22	21	D3	2	BF	BF	- 70	2.71%	-3.04%	-1.85%
FIXED INCOME - Bonds (Intl)																														
EF-70	High Yield																													
	iShares iBoxx \$ High Yield Corporate B	HYG	77.77	14,800	12	10	7	8	8	7	8	10	13	19	17	19	19	17	13	16	15	16	D2	2	BF	AR	- 120	1.34%	-1.35%	-0.74%
	SPDR Blackstone Senior Loan ETF	SRLN	40.40	6,420	13	10	8	8	9	8	9	12	13	19	16	18	18	15	10	14	14	15	D2	3	BF	AR	- 118	0.65%	-1.17%	-1.77%
	Invesco Senior Loan ETF	BKLN	20.58	6,240	12	8	7	13	9	7	9	12	16	20	17	18	19	16	11	14	14	15	D2	3	BF	AR	- 125	0.54%	-0.78%	-1.09%
	iShares 0-5 Year High Yield Corporate	SHYG	41.84	5,795	12	10	7	8	8	7	8	10	12	19	16	18	18	16	12	15	15	16	D2	2	BF	AR	- 124	1.23%	-1.43%	-1.05%
	SPDR Bloomberg High Yield Bond ETF	JNK	93.72	5,761	13	11	8	8	8	7	9	11	13	20	18	19	20	17	13	16	15	16	D2	3	BF	BR	- 119	1.44%	-1.58%	-1.20%
	SPDR Bloomberg Short Term High Yie	SJNK	24.73	4,001	12	10	8	8	8	7	8	10	12	19	16	18	19	16	12	15	15	15	D2	3	BF	AR	- 123	1.19%	-1.52%	-1.23%
	VanEck Fallen Angel High Yield Bond E	ANGL	27.98	2,773	13	13	8	8	8	7	8	11	18	21	18	19	21	18	13	17	16	17	D2	2	BF	BR	- 75	1.30%	-2.79%	-1.66%
	First Trust Tactical High Yield ETF	HYLS	40.85	1,628	11	10	7	13	9	9	9	11	17	21	19	19	21	17	13	16	15	15	D2	3	BF	AR	- 117	1.62%	-0.55%	-0.43%
	PIMCO 0-5 Year High Yield Corporate I	HYYS	92.07	1,353	12	10	8	8	8	7	7	10	12	18	16	18	18	16	12	15	15	16	D2	2	BF	AR	- 123	1.26%	-1.49%	-1.07%
	iShares J.P. Morgan EM High Yield Bon	EMHY	37.42	428	12	13	7	8	8	7	7	10	11	17	15	17	19	16	12	15	15	15	D2	2	BF	AR	- 74	2.18%	-1.96%	-0.66%
	iShares CMBS ETF	CMBS	47.91	426	6	5	3	7	8	7	8	11	19	22	20	22	24	21	15	20	19	19	U3	8	AR	AR	- 71	0.78%	0.02%	1.84%
	Invesco Fundamental High Yield Corp	PHB	17.89	322	12	10	7	12	8	7	9	11	19	22	21	21	22	19	15	18	17	18	D2	2	BF	AR	- 121	1.53%	-1.23%	-0.40%
	Principal Active High Yield ETF	YLD	18.71	290	13	11	9	8	9	8	9	11	12	19	17	19	19	16	12	16	15	16	D2	3	BF	BR	- 122	1.30%	-1.68%	-1.76%
	SPDR Bloomberg International Corpor	IBND	31.24	211	1	1	2	6	7	7	7	17	19	22	29	24	25	29	28	28	25	25	U3	3	AR	AR	+ 18	1.56%	6.19%	12.25%
	iShares US & Intl High Yield Corp Bon	GHYG	44.58	165	5	6	7	7	8	7	7	11	17	20	21	21	21	20	15	19	17	18	D1	2	AR	AR	- 75	1.64%	-0.03%	2.17%
	ProShares High Yield-Interest Rate He	HYHG	62.77	163	14	11	9	8	9	7	9	9	11	16	14	14	15	14	10	13	13	14	D2	3	BF	BR	- 130	0.03%	-2.36%	-3.50%
	Invesco International Corporate Bond E	PICB	23.29	136	1	1	3	7	8	7	9	17	19	22	29	24	25	29	29	28	27	26	U3	3	AR	AR	+ 18	1.79%	4.85%	9.90%
	RiverFront Strategic Income Fund	RIGS	22.68	90	11	11	3	5	7	7	10	10	19	22	21	23	24	22	16	21	20	20	D1	1	BF	AR	- 71	2.17%	-1.71%	0.64%

			Relative Strength Ranking - RSR																				% Price Δ							
Group or Corp		Ticker	Price	MKT Cap(MM)	04/18	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	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month	
EF-70	High Yield																													
	High Yield ETF	HYLD	19.43	33	27	28	16	17	7	7	7	9	17	20	22	24	30	24	29	23	28	28	D3	2	BF	BF	- 6	4.18%	-14.30%	-10.89%
	VanEck International High Yield Bond E IHY		21.15	25	4	4	6	7	7	7	6	17	19	21	22	24	23	24	19	22	20	20	U3	4	AR	AR	- 74	1.44%	0.96%	4.22%
EF-71	Intl Sovereign Debt				4	3	4	9	9	8	9	19	22	26	27	28	26	27	24	27	26	25	U3	4	AR	AR	+ 12	1.27%	1.42%	5.28%
	iShares JP Morgan USD Emerging Ma EMB	88.80	12,494	12	11	6	8	8	7	8	10	18	21	19	22	23	21	18	21	20	20	D2	2	BF	BR	- 72	1.65%	-1.96%	0.18%	
	Vanguard Emerging Markets Governm VWOB	62.91	4,718	12	10	6	8	8	7	8	10	19	22	19	22	23	22	18	21	20	20	D2	1	BF	AR	- 71	1.55%	-1.79%	0.50%	
	VanEck J. P. Morgan EM Local Curren EMLC	24.14	2,699	4	3	5	7	7	7	7	17	19	22	22	24	24	27	24	23	25	22	U3	3	AR	AR	- 6	0.92%	1.46%	5.98%	
	SPDR Bloomberg Emerging Markets L EBND	20.42	1,864	4	3	5	8	8	7	7	17	17	22	22	24	23	24	22	23	22	22	U3	3	AR	AR	- 7	1.34%	2.00%	5.60%	
	Invesco Emerging Markets Sovereign I PCY	19.49	1,166	15	14	8	14	8	7	9	10	19	22	22	24	25	24	23	23	22	22	D2	3	BF	BF	- 7	1.35%	-3.89%	-1.15%	
	SPDR Bloomberg International Treasuri BWX	22.98	1,105	2	1	3	8	9	7	10	17	19	22	29	29	25	29	29	28	27	25	U3	2	AR	AR	+ 19	1.14%	5.17%	9.12%	
	iShares International Treasury Bond E IGOV	41.77	656	1	1	3	11	14	14	17	25	26	27	29	29	29	30	29	29	27	27	U3	2	AR	AR	+ 20	1.26%	5.77%	10.33%	
	SPDR FTSE International Government WIP	38.25	331	4	3	3	7	8	7	9	17	19	22	29	29	25	29	29	29	28	28	U3	3	AR	AR	+ 22	2.06%	2.13%	6.31%	
	iShares J.P. Morgan EM Local Currenc LEMB	38.17	298	4	3	5	8	8	7	5	18	19	24	25	27	23	27	22	25	24	24	U3	5	AR	AR	+ 12	1.60%	1.81%	5.94%	
	SPDR Bloomberg Short Term Internati BWZ	27.47	209	1	1	1	6	7	6	8	17	19	22	22	24	25	29	24	28	26	22	U3	3	AR	AR	+ 1	0.66%	4.37%	9.84%	
	First Trust Emerging Markets Local Cui FEMB	27.20	137	4	3	6	12	8	7	8	17	19	22	22	24	25	29	26	28	27	26	U3	4	AR	AR	+ 19	0.48%	0.75%	5.61%	
ALTERNATIVES																														
EF-72	Currency				3	1	3	10	12	11	14	25	24	27	29	29	28	29	27	28	27	26	U3	3	AR	AR	+ 11	0.69%	3.83%	7.79%
	Invesco Currencyshares Japanese Yer FXY	64.80	758	1	1	1	7	6	7	6	17	14	27	25	29	30	28	28	29	27	29	U3	5	AR	AR	+ 12	0.82%	4.91%	9.57%	
	Invesco CurrencyShares Euro Trust FXE	105.02	357	1	1	1	6	7	6	6	28	19	22	30	29	25	29	27	28	26	26	U3	3	AR	AR	+ 21	0.28%	5.23%	11.06%	
	Invesco CurrencyShares Swiss Franc FFX	108.37	266	1	1	2	11	14	14	15	28	28	29	30	29	30	29	28	28	27	26	U3	2	AR	AR	+ 10	-0.47%	7.77%	11.66%	
	Invesco CurrencyShares Canadian Do FXC	70.64	78	4	3	6	10	11	9	13	29	19	22	29	30	25	28	24	28	27	27	U2	2	AR	AF	+ 23	0.34%	3.66%	4.72%	
	Invesco CurrencyShares British Pound FXB	127.61	70	3	2	3	6	7	6	7	17	19	22	29	24	25	29	26	23	22	22	U3	3	AR	AR	- 4	1.54%	2.87%	9.76%	
	Invesco CurrencyShares Australian Do FXA	63.29	70	8	8	10	10	11	9	13	29	19	22	30	30	25	30	29	29	28	29	D3	3	AR	BF	+ 21	1.55%	1.96%	3.47%	
	WisdomTree Emerging Currency Strat CEW	17.74	7	4	3	5	9	6	6	8	17	12	19	21	24	22	25	21	23	24	23	U3	6	AR	AR	+ 12	0.76%	0.37%	4.17%	
EF-73	Commodities				3	3	6	2	3	2	5	8	3	7	7	10	14	14	7	20	20	22	D1	1	AR	AR	- 3	1.84%	-0.06%	4.50%
	SPDR Gold Shares	GLD	306.12	101,632	1	1	1	1	1	1	2	2	3	2	4	7	10	2	10	9	12	U3	14	AR	AR	+ 13	2.75%	9.92%	22.81%	
	iShares Gold Trust	IAU	62.63	46,249	1	1	1	1	1	1	2	2	3	2	4	7	10	2	10	9	12	U3	14	AR	AR	+ 13	2.74%	9.94%	22.83%	
	Sprott Physical Gold Trust Units	PHYS	25.51	11,839	1	1	1	1	1	1	2	2	3	2	4	7	10	3	11	11	14	U3	14	AR	AR	+ 13	2.78%	9.20%	22.23%	
	abrdn Physical Gold Shares ETF	SGOL	31.68	5,148	1	1	1	1	1	1	2	2	3	2	4	7	10	2	10	9	12	U3	14	AR	AR	+ 13	2.79%	9.96%	22.93%	
	SPDR S&P Global Natural Resources I GNR	50.62	2,590	15	16	18	9	11	14	17	24	20	21	27	28	25	24	28	29	29	30	D2	3	BF	BF	+ 23	1.99%	-5.44%	-3.91%	
	First Trust Global Tactical Commodity FTGC	24.47	2,386	6	6	6	2	5	4	5	8	7	8	9	11	12	9	6	12	14	15	D1	3	BF	AR	- 26	1.45%	-2.85%	-1.65%	
	VanEck Merk Gold Trust	OUNZ	32.01	1,651	1	1	1	1	1	1	2	2	3	2	4	7	10	2	10	9	12	U3	14	AR	AR	+ 13	2.76%	9.89%	22.83%	
	abrdn Physical Silver Shares ETF	SIVR	30.98	1,586	4	3	11	1	2	1	2	17	3	8	7	13	21	20	12	24	28	26	D1	1	AR	AR	- 3	1.18%	-1.56%	7.05%
	abrdn Physical Precious Metals Basket GLTR	132.89	1,382	1	1	1	1	1	1	2	4	2	4	5	5	12	15	5	17	20	19	U3	13	AR	AR	+ 12	2.39%	6.08%	16.82%	
	Invesco DB Commodity Index Tracking DBC	21.37	1,228	13	13	9	5	6	7	8	5	3	8	9	11	11	5	2	12	14	21	D2	2	BF	BF	- 3	2.10%	-3.39%	-4.90%	
	abrdn Physical Platinum Shares ETF	PPLT	88.48	1,013	7	10	10	5	6	5	17	27	17	17	17	13	25	25	12	25	28	29	D2	1	AF	AF	- 3	2.41%	-1.61%	2.74%
	iShares S&P GSCI Commodity Indexer GSG	21.59	905	13	14	9	5	6	8	9	5	4	6	6	5	5	1	1	7	8	17	D2	2	BF	BR	- 7	2.23%	-3.18%	-6.33%	
	Invesco DB Agriculture Fund	DBA	26.65	805	6	5	6	7	6	7	6	5	2	2	1	1	1	2	1	1	3	D1	6	BF	AR	- 110	1.29%	-0.34%	0.19%	
	iShares U.S. ETF Trust iShares GSCI COMT	25.15	636	13	14	9	5	6	11	14	9	6	8	8	8	8	3	2	10	11	19	D2	2	BF	BF	- 3	2.78%	-3.23%	-5.73%	
	SPDR S&P North American Natural Re NANR	52.21	598	15	16	19	8	12	16	23	23	23	25	27	28	24	19	24	29	29	29	D3	3	BF	BF	- 56	2.14%	-5.15%	-4.80%	
	iShares North American Natural Resou IGE	41.75	597	17	19	20	7	10	9	13	17	19	22	22	24	18	13	15	23	28	29	D3	5	BF	BF	- 2	2.81%	-7.30%	-9.06%	
	VanEck Agribusiness ETF	MOO	66.06	552	14	14	16	15	14	15	9	22	25	29	29	21	23	25	29	29	29	D2	3	BF	BF	+ 22	1.38%	-3.73%	-2.34%	
	abrdn Physical Palladium Shares ETF	PALL	87.38	340	13	16	14	16	21	18	25	30	28	29	29	13	23	27	23	29	29	29	D3	6	AF	BR	- 3	4.11%	-0.27%	0.19%
	United States Commodity Index Fund	USCI	69.31	222	4	4	3	1	1	1	2	3	2	3	2	2	2	1	1	3	3	8	D1	2	BF	AR	- 7	2.33%	-2.38%	0.20%
	Sprott Physical Platinum and Palladium SPPI	9.51	194	11	13	11	7	12	7	18	28	22	17	25	19	25	27	22	29	30	29	D2	2	BF	BR	- 3	2.48%	-2.06%	1.93%	

			Relative Strength Ranking - RSR																		% Price Δ										
Group or Corp	Ticker	Price	MKT Cap(MM)	04/18	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	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month			
EF-73	Commodities																														
	Invesco DB Precious Metals Fund	DBP	74.17	193	1	1	1	1	1	1	3	2	4	3	5	10	8	2	11	11	13	U3	14	AR	AR	- 75	2.44%	7.38%	17.52%		
	United States Copper Index Fund	CPER	29.47	169	1	2	6	1	1	1	3	3	3	2	19	18	11	7	28	28	26	U3	9	BR	AR	- 2	3.37%	-7.62%	8.15%		
	Teucrium Wheat Fund	WEAT	4.76	122	15	9	14	25	18	16	25	28	5	5	10	24	28	29	29	30	27	29	D2	3	BF	BF	- 4	-1.45%	-2.66%	0.21%	
	Invesco DB Base Metals Fund	DBB	17.96	105	18	16	16	14	6	6	8	23	11	25	20	28	23	16	15	24	20	19	D3	2	BF	BF	- 71	-0.86%	-8.83%	-7.18%	
	Teucrium Corn Fund	CORN	19.58	52	4	2	6	17	13	13	8	5	2	2	2	2	2	1	1	10	4	10	D1	2	AF	AR	- 7	0.00%	3.71%	-0.20%	
	Teucrium Soybean Fund	SOYB	21.62	25	10	4	9	15	20	16	18	23	11	18	11	14	17	19	13	27	23	28	D2	6	AF	BF	- 5	-0.27%	2.18%	-0.86%	
	Teucrium Sugar Fund	CANE	11.60	10	16	14	4	7	4	9	25	28	6	22	30	30	30	30	26	28	28	29	D2	1	BR	BR	- 1	-0.42%	-8.00%	5.56%	
EF-74	Multi-Class Income				14	14	9	13	14	14	15	15	19	22	22	22	22	20	19	21	21	D3	1	BF	BF	- 3	1.76%	-2.78%	-2.00%		
	First Trust Senior Loan Fund	FTSL	45.40	2,336	11	6	7	11	8	7	9	12	13	20	16	17	18	16	11	14	14	14	D2	2	BF	AR	- 125	0.55%	-0.64%	-0.57%	
	Invesco CEF Income Composite ETF	PCEF	17.82	737	18	18	17	16	11	9	10	11	10	13	14	13	14	14	12	14	14	16	D3	2	BF	BF	- 70	0.85%	-6.08%	-7.44%	
	Amplify High Income ETF	YYY	10.84	513	17	18	17	16	11	9	10	17	12	18	17	19	18	18	16	20	20	21	D3	2	BF	BF	- 71	2.26%	-5.49%	-5.51%	
	Multi-Asset Diversified Income Index Fd MDIV		15.69	434	15	16	9	10	9	7	9	10	13	20	18	19	21	17	17	17	18	19	D2	3	BF	BR	- 90	2.79%	-3.48%	-3.16%	
	Invesco Zacks Multi-Asset Income ETF CVY		23.77	106	18	22	18	16	11	9	13	17	19	21	21	19	19	15	19	21	24	25	D3	5	BF	BF	- 92	2.71%	-6.21%	-8.92%	
	First Trust S&P International Dividend FID		17.44	89	3	3	6	3	5	5	5	17	19	22	29	24	25	24	27	23	22	22	U3	3	AR	AR	- 6	2.83%	1.03%	8.07%	
	SPDR SSgA Income Allocation ETF INKM		31.30	68	13	11	8	13	8	8	10	13	19	22	22	24	23	21	19	21	21	20	D2	3	BF	BR	- 70	1.33%	-1.79%	-0.51%	
	First Trust High Income Strategic Focus HISF		43.91	46	9	8	4	9	8	7	9	12	19	22	22	24	25	24	19	22	21	20	D1	1	BR	AR	- 9	1.16%	-0.86%	1.27%	
	Highland iBoxx Senior Loan ETF SNLN		14.72	30	13	11	7	8	8	7	9	11	17	20	19	19	20	18	13	16	15	16	D2	3	BF	BR	- 75	1.34%	-1.75%	-0.91%	
LEVERAGED/MISC																															
EF-75	Leveraged Long				29	29	29	26	25	25	25	24	10	10	20	21	14	19	29	25	28	26	D3	6	BF	BF	- 7	0.56%	-15.42%	-18.98%	
	ProShares UltraPro QQQ	TQQQ	45.16	18,328	30	30	30	30	30	30	30	29	6	3	8	7	4	4	7	4	3	4	D3	4	BF	BF	- 108	-7.04%	-27.16%	-45.52%	
	Direxion Daily Semiconductor Bull 3x S SOXL		9.20	7,446	30	30	30	30	30	30	30	30	30	30	30	30	20	21	30	30	30	30	D3	9	BF	BF	+ 33	-10.07%	-52.13%	-71.60%	
	ProShares Ultra QQQ	QLD	77.64	5,202	30	30	30	30	30	30	30	17	7	6	9	9	6	6	8	6	4	6	D3	4	BF	BF	- 110	-4.63%	-16.99%	-30.78%	
	Direxion Daily 20+ Year Treasury Bull 3 TMF		39.10	4,453	22	26	1	20	11	21	27	17	30	30	30	30	30	30	30	30	30	30	D3	1	BF	BF	+ 23	2.06%	-10.70%	-0.04%	
	ProShares Ultra S&P 500	SSO	71.85	4,333	30	30	30	30	30	29	28	17	10	9	12	11	9	10	12	10	7	9	D3	4	BF	BF	- 73	-2.92%	-14.90%	-24.84%	
	Direxion Daily S&P 500 Bull 3x Shares SPXL		110.64	3,507	30	30	30	30	30	30	30	23	8	3	6	2	1	2	13	3	4	1	D3	6	BF	BF	- 19	-4.41%	-23.86%	-37.53%	
	ProShares UltraPro S&P500	UPRO	58.28	2,908	30	30	30	30	30	30	30	17	9	7	10	8	6	8	12	8	5	7	D3	5	BF	BF	- 72	-4.58%	-23.64%	-37.25%	
	Direxion Daily Financial Bull 3x Shares FAS		123.10	1,988	30	30	30	20	11	27	13	2	4	3	2	2	3	3	11	5	3	4	D3	1	BF	BR	- 71	-0.15%	-19.80%	-26.26%	
	Direxion Daily Technology Bull 3x Shares TECL		43.34	1,794	30	30	30	30	30	30	30	30	19	9	22	28	8	12	18	8	5	8	D3	6	BF	BF	+ 7	-8.66%	-33.53%	-52.43%	
	Direxion Daily Small Cap Bull 3x Shares TNA		22.52	1,477	30	30	30	30	30	30	30	30	30	30	30	29	24	15	24	30	23	25	25	D3	8	BF	BF	+ 8	3.21%	-28.20%	-48.67%
	Direxion Daily FTSE China Bull 3X Shares YINN		28.57	1,073	27	19	10	1	1	1	1	1	1	1	1	1	1	5	22	30	14	7	2	D2	1	BF	BR	- 3	-5.02%	-35.74%	4.42%
	ProShares Ultra Financials	UYG	76.74	718	27	27	29	16	11	21	13	2	5	5	4	4	5	4	10	6	5	6	D3	1	BF	BR	- 72	-0.21%	-12.16%	-16.17%	
	ProShares Ultra Silver	AGQ	39.58	623	8	11	27	1	1	1	2	27	2	4	6	4	25	23	8	30	30	30	D1	2	BF	AR	- 3	2.70%	-7.67%	4.99%	
	ProShares Ultra Semiconductors	USD	32.78	604	30	30	30	30	30	30	30	30	19	13	30	30	5	5	7	3	5	13	D3	6	BF	BF	+ 7	-13.23%	-30.85%	-52.94%	
	ProShares Ultra Gold	UGL	143.14	601	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	10	9	12	U3	14	AR	AR	+ 13	5.35%	18.94%	42.41%
	Direxion Daily S&P Biotech Bull 3X Shares LABU		47.00	528	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	D3	19	BF	BF	+ 19	6.48%	-38.39%	-43.02%	
	ProShares Ultra Technology	ROM	45.02	446	30	30	30	30	30	30	30	30	12	10	21	24	9	12	13	10	6	9	D3	6	BF	BF	+ 6	-5.89%	-21.45%	-35.85%	
	ProShares Ultra Bloomberg Crude Oil	UCO	22.13	402	29	30	29	22	26	29	30	27	22	20	22	12	5	1	1	5	20	29	D3	3	BF	BF	- 8	7.64%	-12.70%	-27.25%	
	ProShares Ultra Dow30	DDM	78.30	345	30	28	29	28	28	29	13	10	19	10	11	9	10	12	19	15	12	13	D3	5	BF	BF	- 72	-5.23%	-14.49%	-20.84%	
	ProShares Ultra Russell2000	UWM	28.61	265	30	30	30	30	30	30	30	30	30	30	22	22	20	15	19	29	18	20	D3	7	BF	BF	+ 7	2.36%	-18.21%	-33.93%	
	ProShares UltraPro Russell2000	URTY	26.46	246	30	30	30	30	30	30	30	30	30	30	30	29	24	15	24	30	23	25	22	D3	8	BF	BF	+ 8	3.36%	-28.10%	-48.72%
	Invesco DB US Dollar Index Bullish Fund UUP		27.30	244	17	16	7	16	16	16	17	5	11	15	8	8	12	5	1	3	1	5	D3	2	BF	BF	- 26	-0.55%	-4.21%	-8.14%	
	ProShares Ultra Bloomberg Natural Gas BOIL		56.41	230	15	1	1	1	1	1	1	1	1	1	1	1	4	1	1	1	5	1	5	D1	2	BF	BR	+ 133	-10.93%	-29.67%	-16.29%
	WisdomTree Bloomberg US Dollar Bull Fund USDU		26.20	207	16	13	6	12	14	14	16	5	11	17	9	8	14	5	1	3	1	5	D3	1	BF	BR	- 98	-0.80%	-3.39%	-5.89%	
	Direxion Daily S&P Oil & Gas Exp. & Producers GUSH		18.37	205	30	30	30	27	28	30	30	30	30	22	30	30	14	5	10	27	30	30	D3	8	BF	BF	+ 39	7.74%	-30.65%	-44.78%	
	Direxion Daily Energy Bull 2x Shares ERX		47.97	197	30	30	30	3	6	9	29	13	17	22	30	30	18	8	24	29	30	30	D3	4	BF	BF	+ 17	6.46%	-23.89%	-27.48%	

		Relative Strength Ranking - RSR																				% Price Δ								
Group or Corp	Ticker	Price	MKT Cap(MM)	04/18	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	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month		
EF-75	Leveraged Long																													
	Direxion Daily Healthcare Bull 3x Share	CURE	82.94	120	30	30	29	23	11	25	6	11	30	30	30	30	30	30	30	30	30	D3	3	BF	BF	+ 21	-3.24%	-22.34%	-13.96%	
	Direxion Daily MSCI Brazil Bull 2X Shar	BRZU	49.88	115	13	17	17	5	3	7	29	30	30	22	30	30	30	30	30	30	30	D2	1	BF	BF	+ 54	4.22%	-11.27%	10.96%	
	Direxion Daily S&P 500 Bull 2x Shares	SPUU	115.06	113	30	30	30	30	30	29	29	17	10	9	12	11	9	10	12	10	7	9	D3	4	BF	BF	- 73	-2.89%	-14.77%	-24.62%
	ProShares Ultra MidCap400	MVV	50.48	111	30	30	30	30	30	30	30	30	30	22	19	13	12	12	23	18	18	20	D3	7	BF	BF	+ 6	1.70%	-15.09%	-30.74%
	Direxion Daily MSCI India Bull 2X Shar	INDL	56.93	80	13	19	25	26	28	30	30	30	30	30	30	30	30	30	30	30	30	U1	2	AR	BF	+ 21	6.19%	2.31%	2.00%	
	BetaPro Crude Oil Leveraged Daily Bul	HZOZF	7.75	76	20	19	16	27	30	26	29	30	30	30	30	30	25	30	30	30	30	D3	2	BF	BF	- 13	0.00%	0.00%	-25.45%	
	Direxion MSCI Daily South Korea Bull 3	KORU	37.00	73	29	29	30	30	24	28	30	30	30	30	30	30	30	30	30	30	30	D3	3	BF	BF	+ 37	-0.32%	-17.55%	-12.43%	
	ProShares Ultra Health Care	RXL	41.66	70	27	26	25	18	11	9	6	10	19	30	29	24	30	30	30	30	30	D3	1	BF	BF	+ 21	-2.34%	-15.21%	-8.43%	
	ProShares Ultra Oil & Gas	DIG	31.06	67	30	30	30	3	6	9	29	13	18	22	30	30	18	8	24	29	30	D3	4	BF	BF	+ 16	6.33%	-23.86%	-27.61%	
	ProShares Ultra Yen	YCL	24.13	65	1	1	1	7	6	6	4	23	18	30	29	30	30	30	30	30	30	U3	3	AR	AR	+ 12	1.26%	9.33%	17.42%	
	Direxion Daily Mid Cap Bull 3x Shares	MIDU	32.36	60	30	30	30	30	30	30	30	30	30	22	22	12	9	10	29	22	22	22	D3	7	BF	BF	+ 7	2.31%	-24.14%	-44.54%
	ProShares Ultra Real Estate	URE	60.29	58	21	28	26	23	27	26	13	17	29	30	30	30	30	30	30	30	30	D3	4	BF	BF	+ 14	7.59%	-5.11%	-4.45%	
	Direxion Daily MSCI Emerging Markets	EDC	26.07	57	29	29	30	20	7	6	7	30	7	13	30	30	30	30	30	30	30	D3	3	BF	BF	+ 18	1.05%	-20.64%	-9.11%	
	Direxion Daily Real Estate Bull 3x Shar	DRN	9.02	54	29	30	30	28	30	30	28	17	30	30	30	30	30	30	30	30	30	D3	4	BF	BF	+ 14	11.77%	-9.06%	-9.70%	
	Direxion Daily 7-10 Year Treasury Bull	TYD	24.84	52	5	10	1	4	6	7	10	11	30	30	30	30	30	30	30	30	30	U3	3	BR	BF	+ 21	3.41%	-1.27%	7.03%	
	ProShares Ultra Nasdaq Biotechnology	BIB	41.39	46	30	30	30	29	27	27	28	30	19	30	30	30	30	30	30	30	30	D3	4	BF	BF	+ 20	2.86%	-21.56%	-17.87%	
	Direxion Daily FTSE Europe Bull 3X Sh	EURL	25.21	35	3	10	25	1	2	2	2	3	5	6	22	24	25	30	30	30	30	D1	2	BR	AF	- 7	7.00%	-12.20%	16.30%	
	Direxion Daily Retail Bull 3x Shares	RETL	5.09	32	30	30	30	30	30	30	30	30	30	22	30	12	13	24	11	11	5	6	D3	6	BF	BF	+ 7	0.20%	-16.50%	-45.63%
	ProShares Ultra Basic Materials	UYM	20.30	29	30	30	30	29	30	30	29	30	30	30	30	30	30	30	30	30	30	D3	4	BF	BF	+ 17	0.29%	-12.64%	-18.89%	
	BetaPro S&P/TSX Capped Financials 2	*HFU	20.08	25	20	27	24	24	26	27	26	4	8	6	5	1	1	1	2	1	1	1	D3	5	BF	BR	- 20	5.91%	-3.60%	-10.20%
	ProShares Ultra SmallCap600	SAA	17.39	23	30	30	30	30	30	30	30	30	30	29	29	19	17	17	29	22	22	21	D3	7	BF	BF	+ 8	1.83%	-18.48%	-36.01%
	ProShares UltraPro MidCap400	UMDD	16.24	20	30	30	30	30	30	30	30	30	30	30	22	22	12	9	10	29	22	22	D3	7	BF	BF	+ 7	1.80%	-24.55%	-44.83%
	ProShares Ultra 7-10 Year Treasury	UST	42.63	20	4	6	1	4	6	7	9	11	19	30	29	30	30	30	30	29	28	29	U3	3	AR	AR	+ 21	2.15%	-0.29%	5.87%
	ProShares Ultra Industrials	UXI	31.50	19	29	29	30	29	28	29	27	25	30	21	17	12	9	12	24	22	17	17	D3	7	BF	BF	- 70	-0.92%	-11.71%	-19.90%
	ProShares Ultra FTSE China 50	XPP	19.58	13	16	9	7	1	1	1	1	2	2	2	4	6	9	12	28	10	5	7	D1	2	BF	AR	- 49	-3.07%	-23.35%	8.04%
	ProShares Ultra MSCI Emerging Marke	EET	48.53	13	21	24	26	17	7	6	6	28	8	13	29	30	25	30	30	29	28	29	D2	2	BF	BF	- 5	0.64%	-13.08%	-4.21%
	ProShares Ultra MSCI EAFE	EFO	45.52	11	5	13	21	2	3	2	2	7	9	11	22	24	24	30	30	30	30	D2	1	BR	AF	- 7	4.97%	-7.81%	7.86%	
	ProShares Ultra Euro	ULE	12.59	8	1	1	1	3	4	1	2	30	30	30	30	30	30	30	30	30	29	U3	3	AR	AR	+ 12	0.36%	11.05%	22.85%	
	ProShares Ultra High Yield	UJB	70.92	4	15	16	10	15	8	9	8	10	12	18	17	19	18	16	14	16	16	D2	3	BF	BR	- 73	2.49%	-3.35%	-3.00%	
	ProShares Ultra MSCI Brazil Capped	UBR	16.52	3	13	17	16	5	3	7	29	30	30	21	30	30	30	30	30	30	30	D2	1	BF	BF	+ 54	4.49%	-10.86%	11.29%	
EF-76	Leveraged Short																													
	ProShares UltraPro Short QQQ	SQQQ	38.64	2,582	1	1	1	1	2	2	3	28	30	30	30	30	30	30	30	30	30	U3	3	AR	AR	+ 117	6.68%	7.70%	34.31%	
	ProShares Short S&P500	SH	46.75	1,784	1	1	1	1	4	4	5	17	19	30	29	24	30	24	14	23	25	22	U3	5	AR	AR	+ 72	1.61%	5.98%	12.97%
	ProShares Short QQQ	PSQ	42.04	678	1	1	1	1	4	3	5	17	29	30	30	30	30	29	19	29	28	29	U3	4	AR	AR	+ 114	2.34%	6.03%	15.50%
	ProShares UltraPro Short S&P500	SPXU	27.68	600	1	1	1	1	2	2	3	28	30	30	30	30	30	30	23	30	30	30	U3	4	AR	AR	+ 124	4.37%	11.19%	31.27%
	ProShares UltraPro Dow30	UDOW	68.25	563	30	30	30	30	30	30	28	11	19	8	9	7	8	11	27	16	10	12	D3	6	BF	BF	- 72	-7.87%	-22.46%	-31.60%
	ProShares UltraShort S&P500	SDS	23.14	549	1	1	1	1	2	2	4	17	29	30	30	30	30	30	18	29	29	29	U3	4	AR	AR	+ 73	3.03%	9.68%	23.39%
	Direxion Daily Semiconductor Bear 3x	SOXS	26.28	544	1	1	1	1	2	2	2	4	30	30	22	30	30	30	26	30	29	15	U3	5	AR	AR	+ 125	10.14%	6.36%	44.54%
	ProShares UltraShort Bloomberg Natur	KOLD	26.44	524	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	D3	19	AF	BF	+ 1	11.28%	25.25%	-18.14%	
	Direxion Daily S&P 500 Bear 3x Share	SPXS	7.73	421	1	1	1	1	2	2	3	26	30	30	30	30	30	30	23	30	30	30	U3	4	AR	AR	+ 124	4.60%	11.36%	31.80%
	ProShares UltraShort 20+ Year Treasu	TBT	36.03	342	3	1	14	11	11	7	7	27	9	10	9	6	5	4	2	3	3	5	U2	1	AR	AR	- 22	-1.37%	6.60%	-1.90%
	ProShares UltraShort QQQ	QID	39.41	250	1	1	1	1	2	2	3	17	30	30	30	30	30	30	29	30	30	30	U3	3	AR	AR	+ 115	4.20%	8.39%	26.85%
	Direxion Daily Small Cap Bear 3x Shar	TZA	18.93	246	1	1	1	1	1	1	1	3	6	30	30	30	30	30	8	29	28	29	U3	6	AR	AR	- 5	-3.22%	18.07%	57.13%
	ProShares UltraPro Short Dow30	SDOW	60.04	225	1	1	1	1	2	2	5	29	19	30	30	30	30	30	10	27	28	29	U3	5	AR	AR	+ 72	8.06%	14.93%	27.58%
	ProShares Short Russell2000	RWM	21.91	212	1	1	1	1	2	2	2	6	9	22	22	24	25	23	10	21	18	20	U3	7	AR	AR	- 7	-1.04%	7.82%	19.82%

			Relative Strength Ranking - RSR																				% Price Δ							
Group or Corp	Ticker	Price	MKT Cap(MM)	04/18	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	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month		
EF-76	Leveraged Short																													
	Direxion Daily 20+ Year Treasury Bear	TMV	38.38	176	1	1	18	11	11	7	6	29	7	7	7	3	3	2	2	2	2	3	U1	1	AR	AR	- 22	-2.12%	9.65%	-3.49%
	ProShares Short High Yield	SJB	16.30	148	5	2	2	9	9	7	10	17	19	22	22	24	24	21	12	19	16	18	U3	4	AR	AR	+ 71	-1.21%	1.72%	2.23%
	ProShares Short Dow30	DOG	28.75	137	1	1	1	2	5	4	7	17	19	29	29	29	25	24	11	20	22	22	U3	6	AR	AR	+ 71	2.83%	6.53%	11.11%
	Direxion Daily Financial Bear 3X Share	FAZ	6.32	114	1	1	1	19	11	7	13	30	30	30	30	30	30	30	29	30	30	30	U2	3	AR	BF	+ 72	0.32%	8.38%	13.54%
	Invesco DB US Dollar Index Bearish F	UDN	18.39	109	1	1	1	4	6	6	5	24	24	27	29	29	27	29	27	28	27	26	U3	4	AR	AR	+ 21	0.60%	4.91%	10.72%
	ProShares UltraShort Bloomberg Crudi	SCO	19.63	105	1	1	1	7	4	1	1	24	29	30	30	30	30	30	30	30	27	19	U3	2	AR	AR	+ 9	-7.49%	9.30%	29.14%
	Direxion Daily Technology Bear 3X Sh	TECS	63.17	100	1	1	1	1	2	2	2	9	30	30	30	30	30	30	29	30	30	30	U3	4	AR	AR	+ 124	8.71%	10.04%	36.88%
	ProShares UltraPro Short Russell2000	SRTY	27.43	84	1	1	1	1	1	1	1	3	6	30	30	30	30	30	9	29	28	29	U3	6	AR	AR	- 5	-3.42%	17.80%	56.80%
	ProShares UltraShort Gold	GLL	11.20	73	30	30	26	30	30	30	30	30	30	30	30	30	30	30	29	27	25	26	D3	14	BF	BF	- 13	-5.49%	-17.28%	-31.37%
	Proshares Short 20+ Year Treasury	TBF	24.45	71	4	1	8	9	9	7	8	17	10	13	13	11	11	9	4	7	6	9	U3	1	AR	AR	- 23	-1.21%	3.51%	-0.26%
	ProShares UltraShort Dow30	DXD	30.84	62	1	1	1	1	3	2	6	27	19	30	30	30	30	29	10	23	27	27	U3	5	AR	AR	+ 72	5.36%	11.23%	19.94%
	ProShares UltraShort Russell2000	TWM	58.86	53	1	1	1	1	2	2	2	4	8	22	29	29	30	28	9	27	24	25	U3	6	AR	AR	- 6	-2.18%	13.95%	38.91%
	Direxion Daily Real Estate Bear 3X Sh	DRV	27.85	52	3	1	1	3	4	4	10	29	11	15	13	9	12	7	2	5	4	4	U3	3	AR	AF	+ 6	-11.31%	1.27%	-1.39%
	ProShares UltraPro Short 20+ Year Tre	TTT	74.77	34	4	1	20	14	11	7	7	29	8	7	8	3	3	3	2	2	2	3	D3	2	AR	AR	- 22	-3.45%	8.08%	-5.37%
	ProShares UltraShort Euro	EUO	29.26	32	27	27	14	21	21	23	25	2	5	10	2	2	8	1	1	1	1	1	D3	3	BF	BF	- 13	-0.31%	-9.30%	-17.62%
	ProShares UltraShort Silver	ZSL	32.07	24	25	18	1	30	30	30	30	29	30	30	30	30	30	30	30	19	3	17	U1	1	BF	BF	+ 59	-2.91%	1.17%	-14.16%
	ProShares UltraShort Yen	YCS	39.86	22	26	23	11	17	18	18	23	14	25	11	15	2	1	1	1	1	1	1	D3	3	BF	BF	- 7	-1.65%	-9.15%	-15.48%
	ProShares UltraShort Real Estate	SRS	50.82	22	3	1	1	3	5	4	9	27	11	15	14	11	13	9	2	7	5	6	U3	3	AR	AF	- 13	-7.45%	1.88%	0.68%
	Direxion Daily MSCI Emerging Markets	EDZ	8.47	20	4	1	1	16	27	27	29	12	30	30	22	14	22	10	3	9	9	10	U2	2	AR	AR	+ 7	-0.82%	12.85%	-4.79%
	Direxion Daily Energy Bear 2X Shares	ERY	25.17	19	1	1	1	25	26	8	4	29	29	22	15	12	30	30	10	11	4	4	U3	3	AR	AR	+ 3	-6.40%	18.17%	21.59%
	ProShares UltraShort FTSE Europe	EPV	32.84	17	25	17	1	29	30	30	30	30	30	30	29	24	25	10	3	4	4	4	U1	2	BF	BF	+ 7	-4.53%	2.20%	-16.53%
	ProShares UltraShort Oil & Gas	DUG	41.54	15	1	1	1	25	26	9	5	29	29	22	15	12	30	30	10	11	4	4	U3	3	AR	AR	+ 5	-6.21%	18.70%	22.16%
	ProShares UltraShort Financials	SKF	35.80	14	1	1	1	14	11	7	13	30	30	30	30	30	30	30	24	30	30	30	U2	4	AR	BF	+ 72	-0.04%	7.13%	11.34%
	ProShares Short MSCI EAFE	EFZ	15.49	14	15	6	1	19	24	22	28	27	19	30	22	21	23	13	6	10	10	9	U1	2	BF	BR	+ 6	-2.56%	2.29%	-5.38%
	ProShares Short MSCI Emerging Mark	EUM	26.75	14	4	2	1	12	11	9	13	11	28	22	19	17	21	14	7	13	13	14	U2	2	AR	AR	+ 5	-0.21%	5.57%	0.25%
	ProShares Short Real Estate	REK	17.39	12	4	1	1	4	6	5	9	17	12	18	14	13	15	12	5	11	9	11	U3	4	AR	AR	- 14	-3.82%	1.59%	1.41%
	ProShares Short 7-10 Year Treasury	TBX	28.25	12	13	4	8	14	11	9	10	17	12	17	14	13	14	12	7	12	11	13	D3	1	BF	AR	- 23	-2.26%	-0.20%	-2.90%
	ProShares Short Financials	SEF	36.21	10	3	1	1	13	9	7	10	30	30	30	30	30	30	30	18	28	28	29	U3	1	AR	AF	+ 72	0.25%	4.44%	6.98%
	Proshares Ultrashort Semiconductors	SSG	32.25	9	1	2	1	1	3	6	2	17	30	30	30	30	30	30	30	30	30	30	U3	3	AR	AR	+ 124	14.40%	12.35%	33.69%
	ProShares UltraShort FTSE China 50	FXP	14.12	8	22	27	16	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	U1	1	AF	BF	+ 52	3.18%	20.49%	-19.04%
	ProShares Short S&P Mid Cap400	MYV	21.31	8	1	1	1	1	3	2	3	9	10	22	22	24	25	24	11	19	17	19	U3	7	AR	AR	- 6	-0.70%	5.75%	16.98%
	ProShares UltraShort MSCI Brazil Cap	BZQ	14.44	7	19	10	3	26	30	26	7	4	19	30	14	14	7	3	2	2	2	2	U1	1	BF	BR	- 49	-4.52%	7.76%	-16.41%
	ProShares UltraShort Consumer Serv	SCC	12.51	6	1	1	1	1	1	2	2	17	30	30	30	30	30	30	30	30	30	30	U3	3	AR	AF	+ 117	4.60%	5.05%	42.32%
	BetaPro S&P/TSX Capped Financials - *HFD		4.86	5	1	1	1	4	6	2	8	28	25	29	29	29	29	27	19	25	25	25	U3	6	AR	AR	+ 7	-4.84%	7.44%	14.47%
	ProShares UltraShort Technology	REW	13.02	5	1	1	1	1	2	2	2	9	30	30	30	29	30	30	23	30	30	30	U3	5	AR	AR	+ 116	5.51%	11.40%	30.54%
	ProShares UltraShort MSCI Emerging	IEEV	16.82	5	4	1	1	14	11	21	25	11	30	30	21	14	22	12	4	11	11	12	U2	3	AR	AR	+ 7	-1.06%	9.72%	-1.81%
	ProShares UltraPro Short MidCap400	SMDD	11.57	4	1	1	1	1	1	1	2	5	7	29	30	30	30	30	11	26	25	26	U3	6	AR	AR	+ 3	-2.68%	10.17%	45.10%
	ProShares Short FTSE China 50	YXI	12.46	4	15	15	8	29	30	30	30	30	30	30	30	30	30	30	19	30	30	30	U1	1	AF	BF	+ 51	1.43%	10.75%	-8.31%
	ProShares UltraShort Nasdaq Biotech	BIS	20.65	4	1	1	1	1	5	4	6	9	19	12	11	12	12	4	2	3	3	3	U3	4	AR	AR	- 18	-3.41%	21.05%	14.02%
	BetaPro S&P/TSX Capped Energy -2x *HED		19.54	3	1	1	1	21	24	3	1	6	28	29	27	28	30	30	30	29	22	9	U3	3	AR	AR	+ 28	-9.46%	17.85%	21.07%
	BetaPro Gold Bullion -2x Daily Bear ET *HBD		12.10	3	30	30	26	30	30	30	30	30	30	30	30	30	30	30	30	30	29	29	D3	15	BF	BF	- 1	-5.32%	-14.56%	-29.14%
	ProShares UltraShort Industrials	SIJ	8.89	2	1	1	1	1	3	3	5	13	10	22	29	30	30	30	9	17	20	22	U3	7	AR	AF	+ 70	1.03%	6.29%	16.21%
	ProShares UltraShort SmallCap600	SDD	20.65	2	1	1	1	1	1	1	2	3	7	22	22	29	30	29	8	23	22	22	U3	7	AR	AR	- 6	-1.78%	14.01%	43.66%
	ProShares UltraShort MidCap400	MZZ	11.88	2	1	1	1	1	2	2	2	6	8	22	29	30	30	30	11	23	22	22	U3	6	AR	AR	- 5	-1.31%	9.25%	32.09%
	ProShares UltraShort Basic Materials	SMN	17.09	1	1	1	1	1	2	2	3	6	7	13	9	11	13	9	2	2	3	3	U3	4	AR	AR	- 17	-0.28%	6.81%	14.18%
	ProShares UltraShort Utilities	SDP	15.58	1	11	2	1	9	9	8	5	17	30	22	22	24	30	28	9	21	15	16	U3	4	BF	BF	+ 57	-3.16%	0.81%	1.40%

		Relative Strength Ranking - RSR																				% Price Δ								
Group or Corp	Ticker	Price	MKT Cap(MM)	04/	04/	04/	03/	03/	03/	03/	02/	02/	02/	02/	01/	01/	01/	01/	01/	12/	12/	TRIPLE CYCLE	50 DAY	200 DAY	MACD	1 week	1 month	3 month		
				18	11	04	28	21	14	07	28	21	14	07	31	24	17	10	03	31	27									
EF-76	Leveraged Short																													
	ProShares UltraShort MSCI EAFE	EFU	13.52	1	20	11	1	25	30	29	30	30	30	22	23	24	10	3	6	6	5	U1	2	BF	BF	+ 7	-4.98%	2.96%	-13.25%	
	ProShares UltraShort Consumer Good	SZK	11.62	1	17	9	1	14	5	5	26	30	28	21	12	11	10	6	3	8	11	13	D3	1	BF	BF	- 14	-3.60%	-7.89%	-11.87%
EF-77	Misc.			15	14	14	18	17	16	18	21	16	16	11	14	13	15	10	12	17	16	D3	3	BF	BF	- 8	0.88%	-2.60%	-4.11%	
	First Trust Long/Short Equity ETF	FTLS	61.98	1,875	17	16	15	19	11	9	13	11	11	12	13	12	13	12	10	11	10	12	D3	2	BF	BF	- 123	-0.29%	-3.22%	-7.55%
	VanEck Uranium+Nuclear Energy ETF	NLR	74.82	957	27	27	29	30	29	30	30	30	29	11	2	5	1	6	6	3	23	17	D3	8	BF	BF	- 29	1.31%	-5.49%	-14.26%
	SPDR SSgA Multi-Asset Real Return E	RLY	27.78	475	11	12	10	7	8	11	17	18	14	17	20	22	19	16	18	23	24	25	D2	2	BF	AR	- 71	2.55%	-1.91%	-1.14%
	IQ Merger Arbitrage ETF	MNA	34.46	234	4	2	3	4	6	6	5	7	11	19	17	19	18	16	7	11	12	14	U3	19	AR	AR	+ 15	-0.49%	0.92%	3.08%
	iShares Morningstar Multi-Asset Incom	IYLD	19.83	115	9	10	7	7	7	7	9	17	17	20	21	23	24	24	19	23	22	22	D2	1	BF	AR	- 9	1.95%	-1.79%	1.74%
	Invesco S&P 500 Downside Hedged E	PHDG	34.34	105	21	24	18	22	24	23	13	17	19	19	18	20	21	21	14	19	16	18	D3	6	BF	BF	- 3	1.66%	-4.99%	-8.96%
	AdvisorShares STAR Global Buy-Write	VEGA	41.68	60	16	14	15	18	16	16	17	11	14	15	14	17	17	16	14	15	16	12	D3	2	BF	BR	- 72	-0.05%	-3.69%	-4.80%
	ProShares Hedge Replication ETF	HDG	47.49	24	15	14	10	16	11	9	10	17	17	20	18	19	21	19	14	17	16	18	D3	3	BF	BF	- 72	0.55%	-3.33%	-3.81%
	ProShares Inflation Expectations ETF	RINF	32.31	19	13	10	8	14	11	9	10	17	13	17	14	13	14	14	9	13	13	15	D3	1	BF	AR	- 27	0.70%	-0.51%	-1.88%

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