



## Group Selection

Priced as of July 21, 2015

Note: Group tickers incorporate hyperlinks to decile charts, and then a link to our Toolkit of the group members.

See back pages for user guide and disclaimer.  
Sources for all charts: BMO Capital Markets

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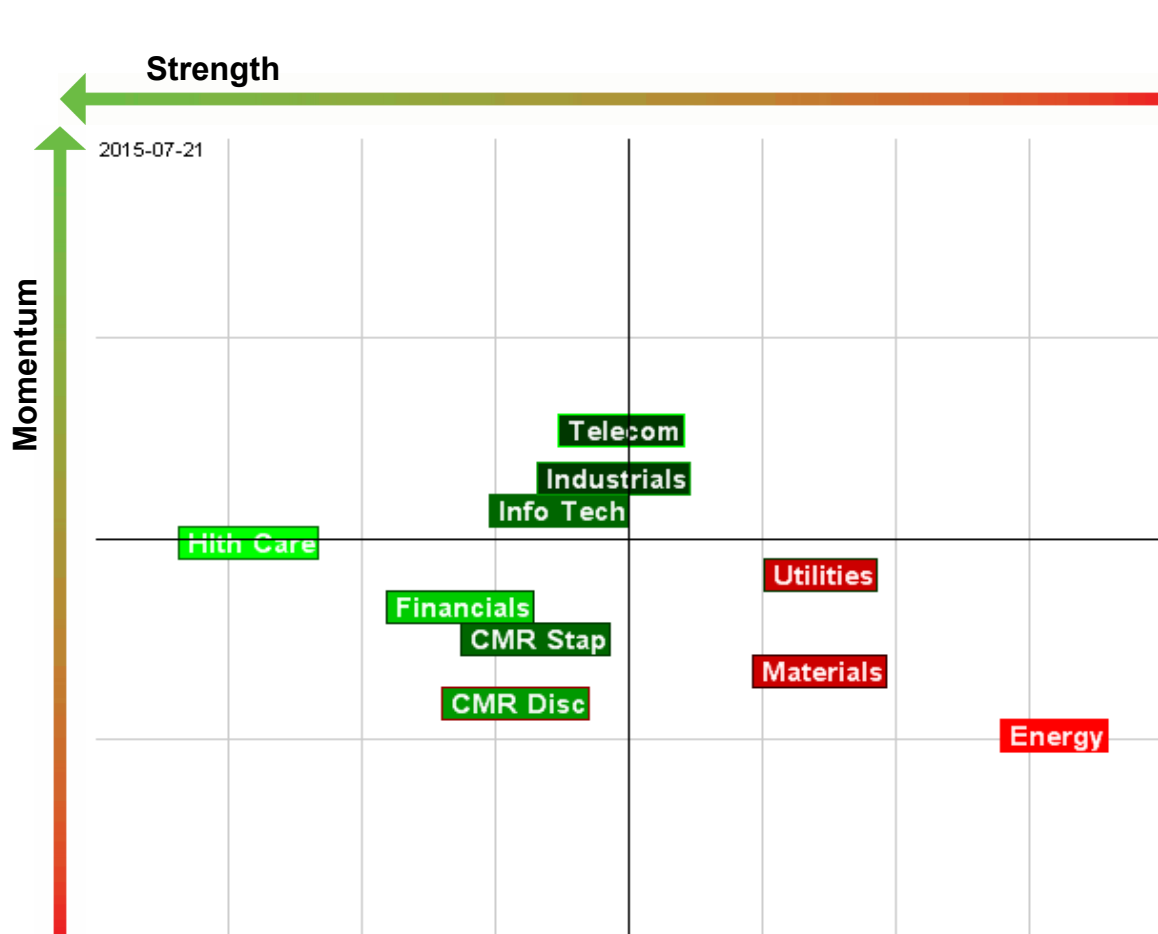
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


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

**Sector Relative Strength Profiles\***



Hyperlink	% Outperforming US/GBL/CDA	Reward/Risk US/GBL/CDA	Trend Psn US/GBL/CDA
<b>Energy</b>	38% / 36% / 47%	 /  / 	-40% / -37% / -15%
<b>Materials</b>	45% / 45% / 58%	 /  / 	-27% / -25% / 1%
<b>Industrials</b>	50% / 49% / 64%	 /  / 	-14% / -9% / 23%
<b>CMR Disc</b>	55% / 54% / 65%	 /  / 	-9% / -4% / 23%
<b>CMR Stap</b>	48% / 48% / 63%	 /  / 	1% / 4% / 33%
<b>Hlth Care</b>	66% / 64% / 75%	 /  / 	3% / 7% / 29%
<b>Financials</b>	52% / 52% / 69%	 /  / 	-3% / 1% / 37%
<b>Info Tech</b>	55% / 55% / 66%	 /  / 	-16% / -13% / 12%
<b>Telecom</b>	43% / 41% / 61%	 /  / 	-4% / 0% / 36%
<b>Utilities</b>	36% / 36% / 49%	 /  / 	-8% / -5% / 32%

\*Three terms define the relative performance Z-Score rating versus the markets (US = S&P 500; GBL = MSCI AC World; CDA = S&P/TSX Composite)

(a) % Outperforming - what percentage of sector members is outperforming the market,

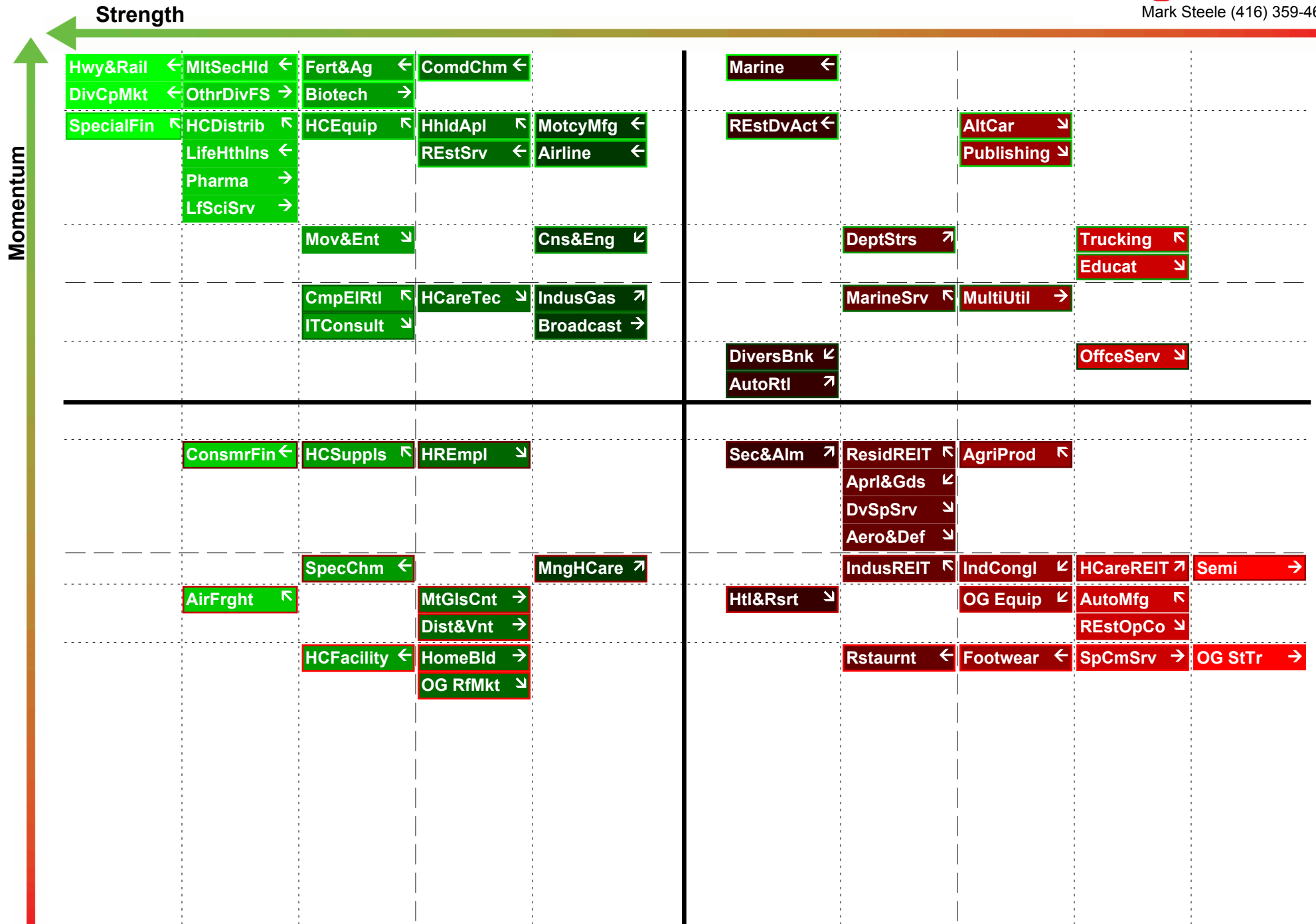
(b) Reward/Risk - how consistent is the median relative strength performance of the sector membership (  /  ranking),

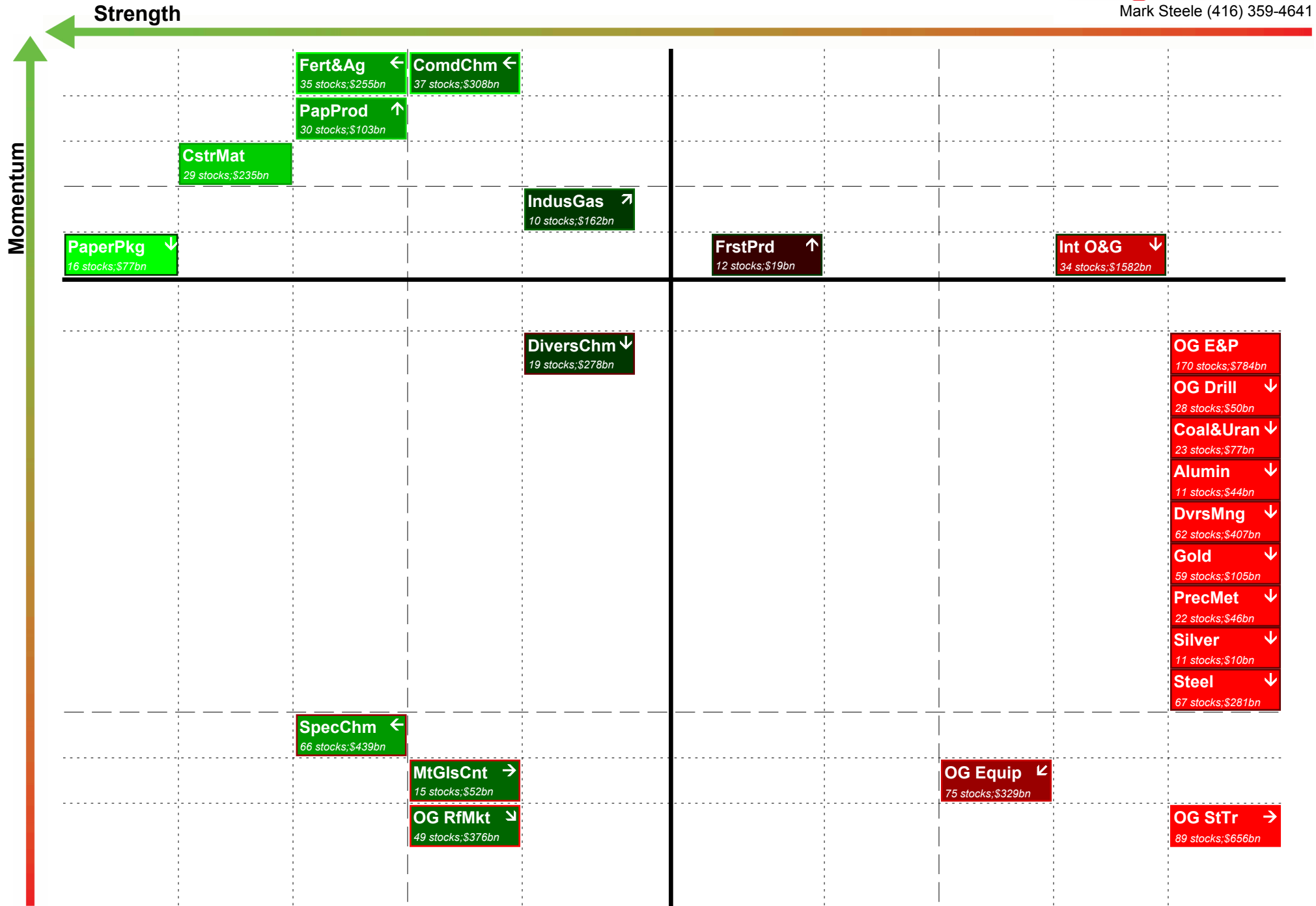
(c) Trend Psn - what is the net percentage of the sector members which are breaking above/below relative strength channels.

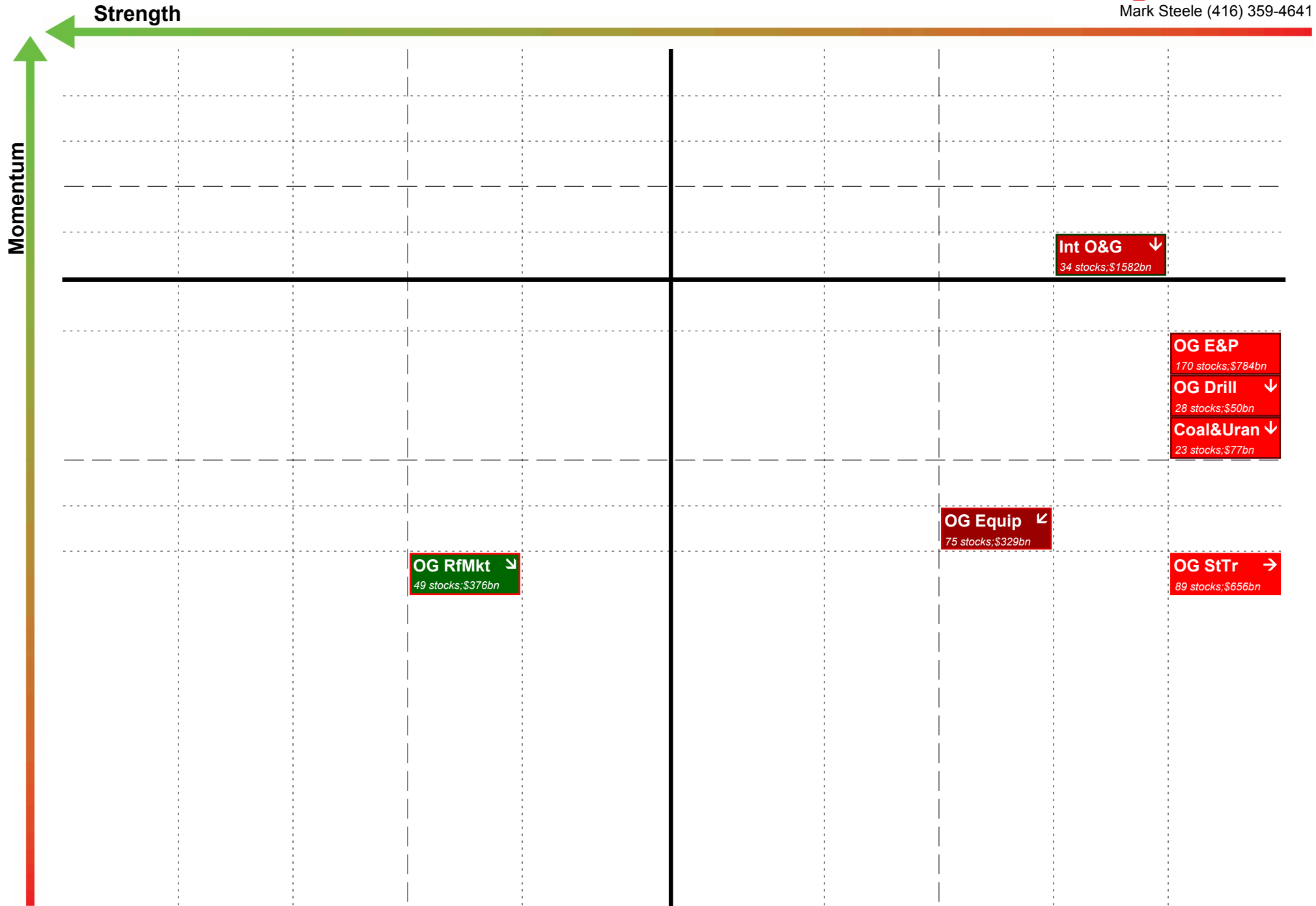
The strength z-Score is weighted 60% towards the trend parameters (% outperforming and reward/risk ratios) and 40% towards the trend positions (reversals of trends). Gridlines are placed at 0.5 increments.

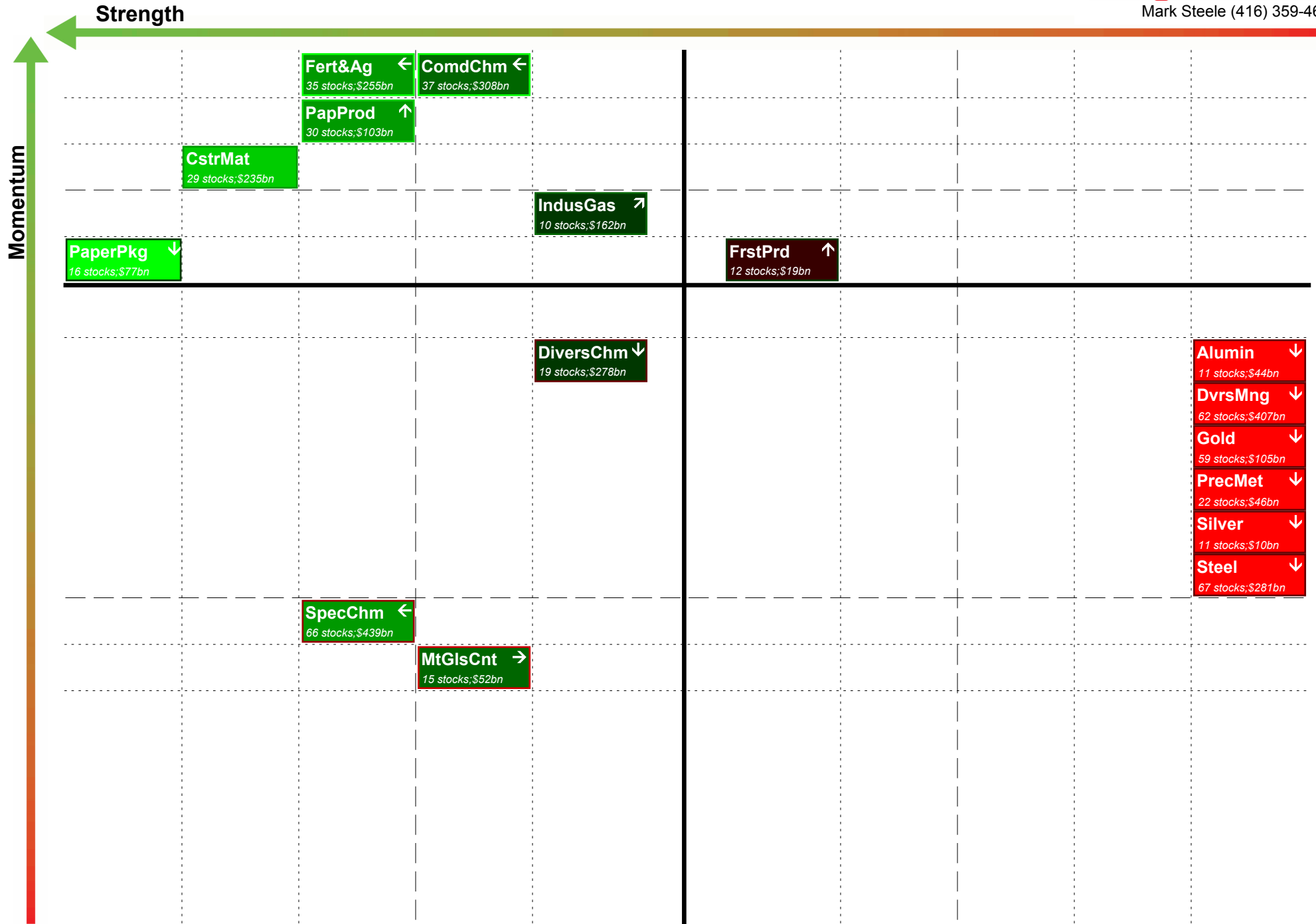
See Help Pages for further details

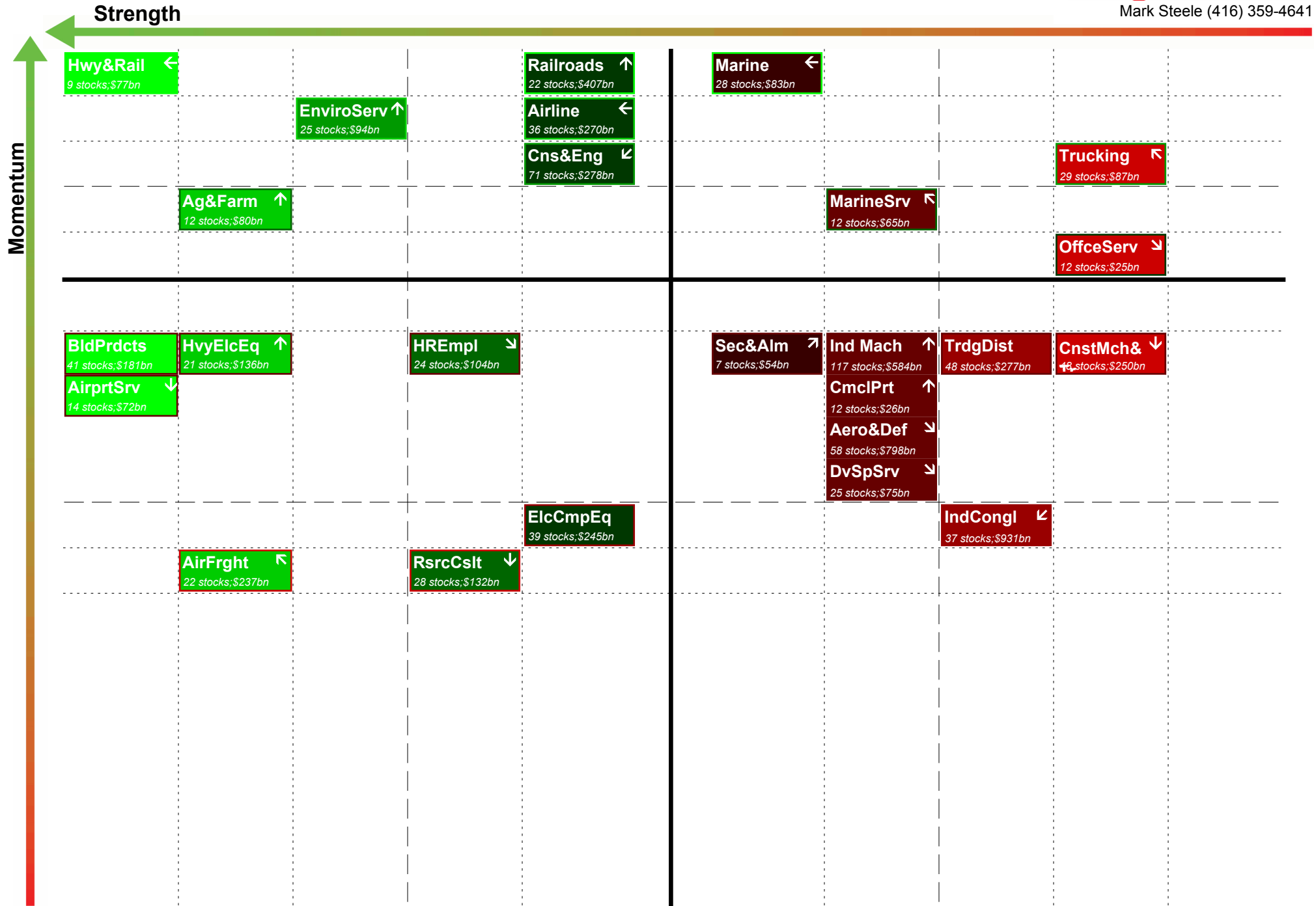
# Strength Changes Last Session



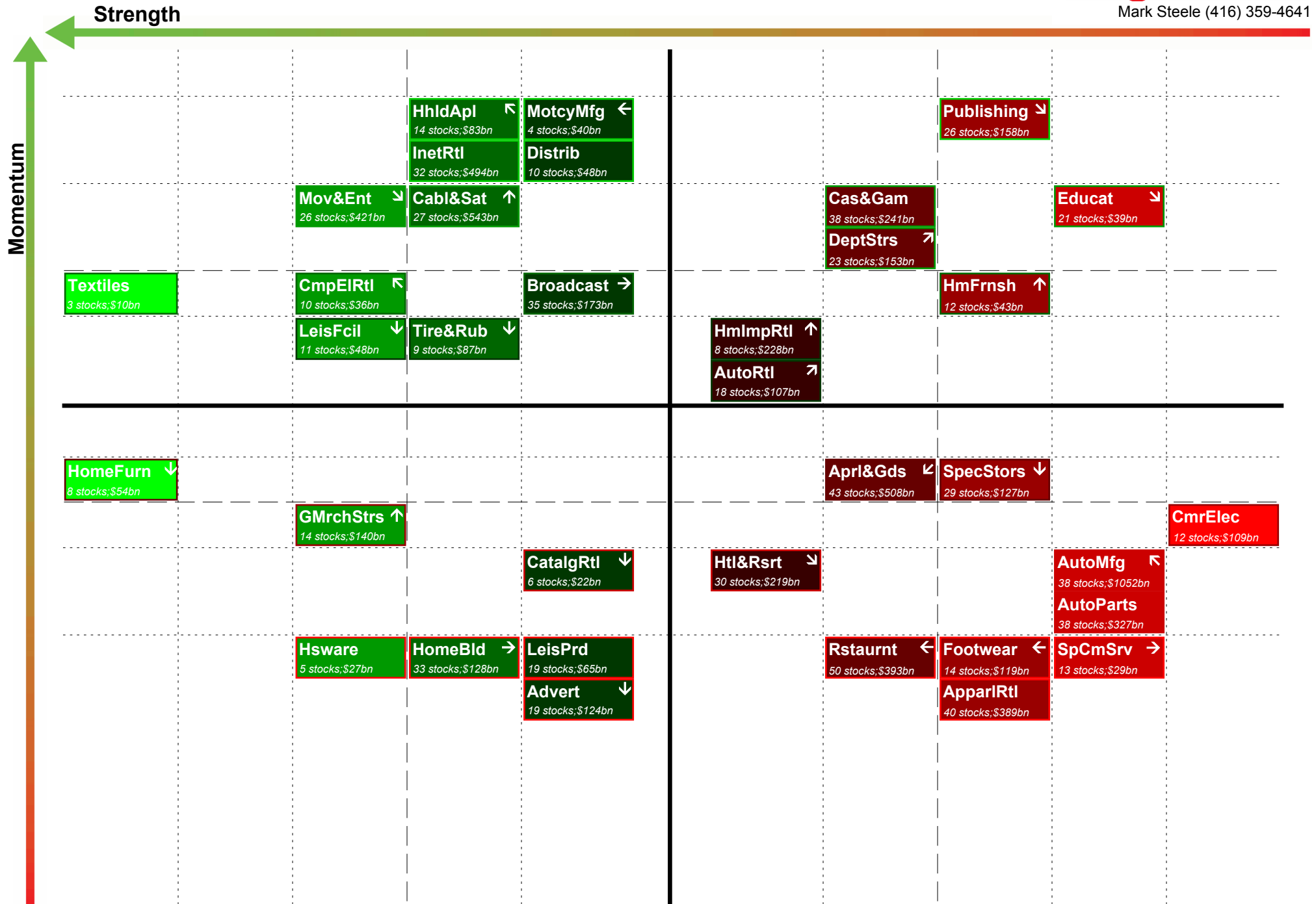


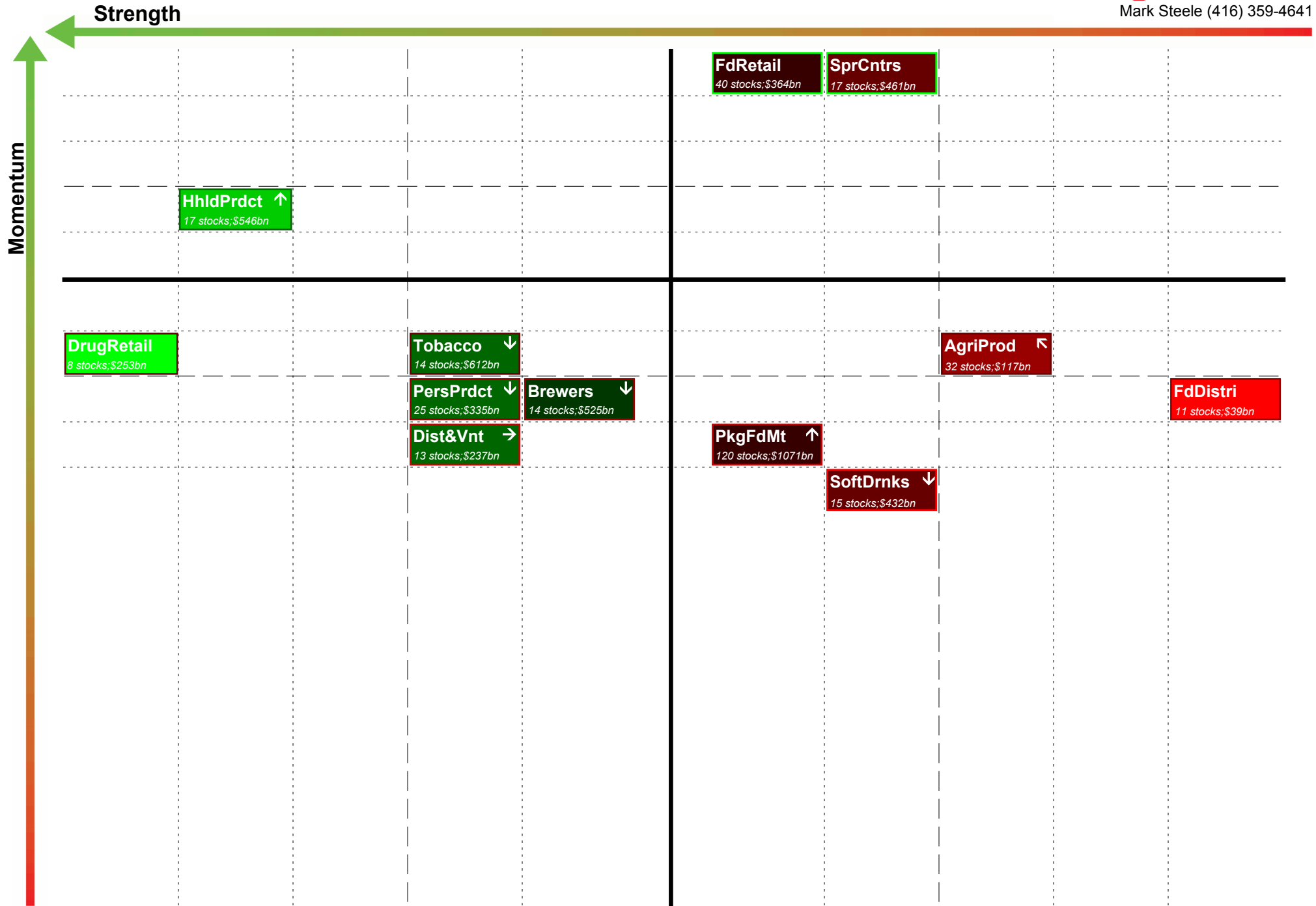


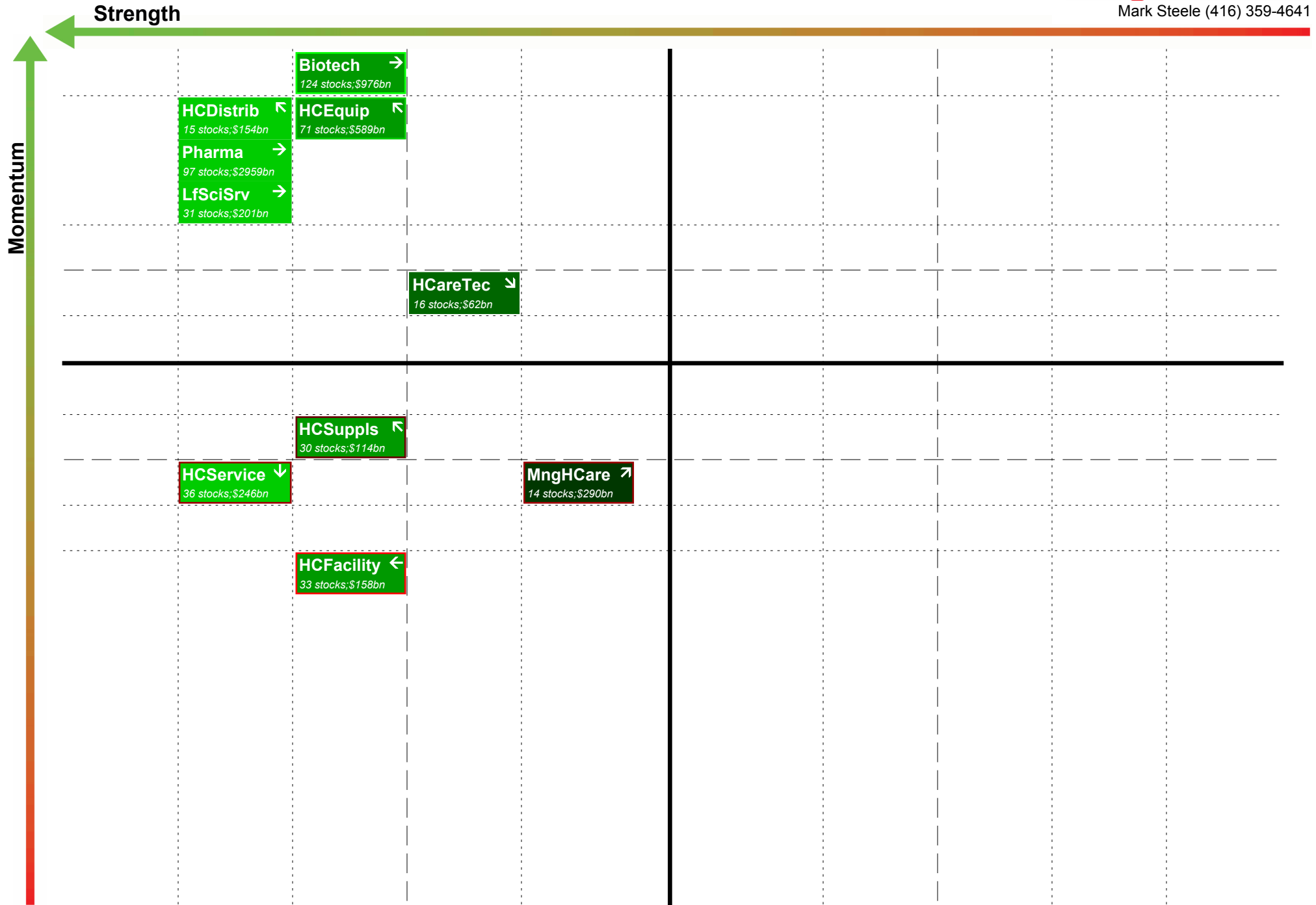


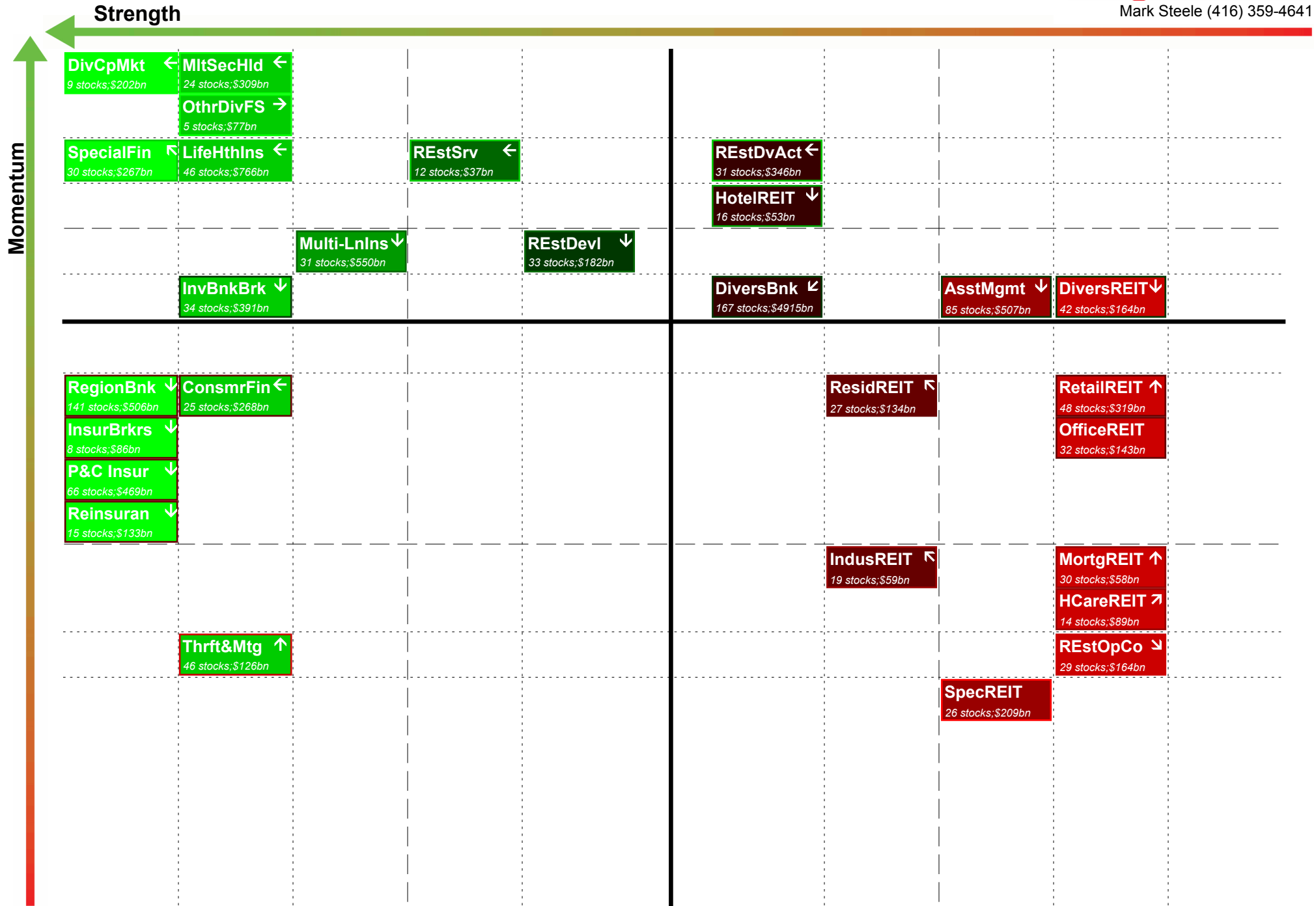


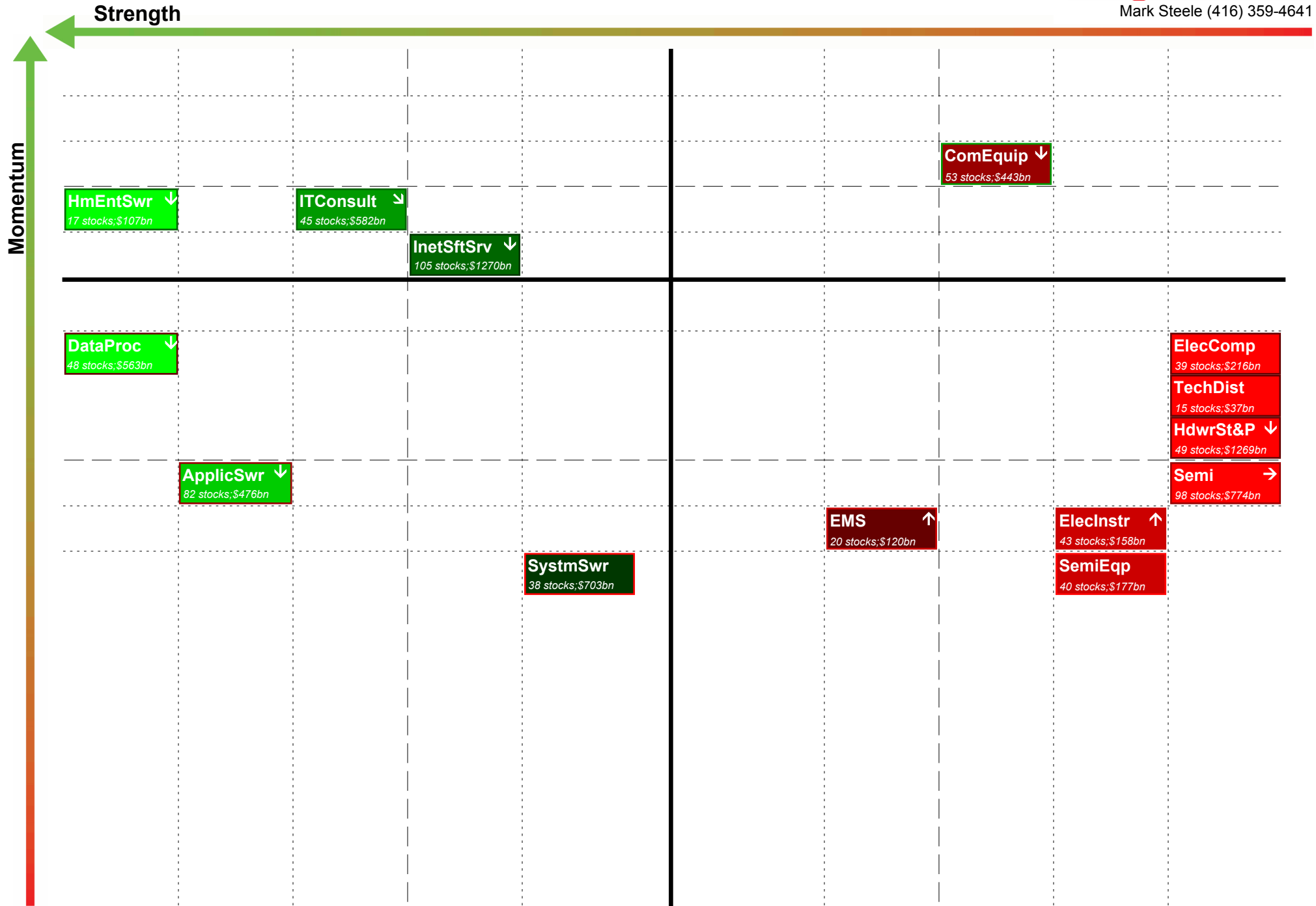


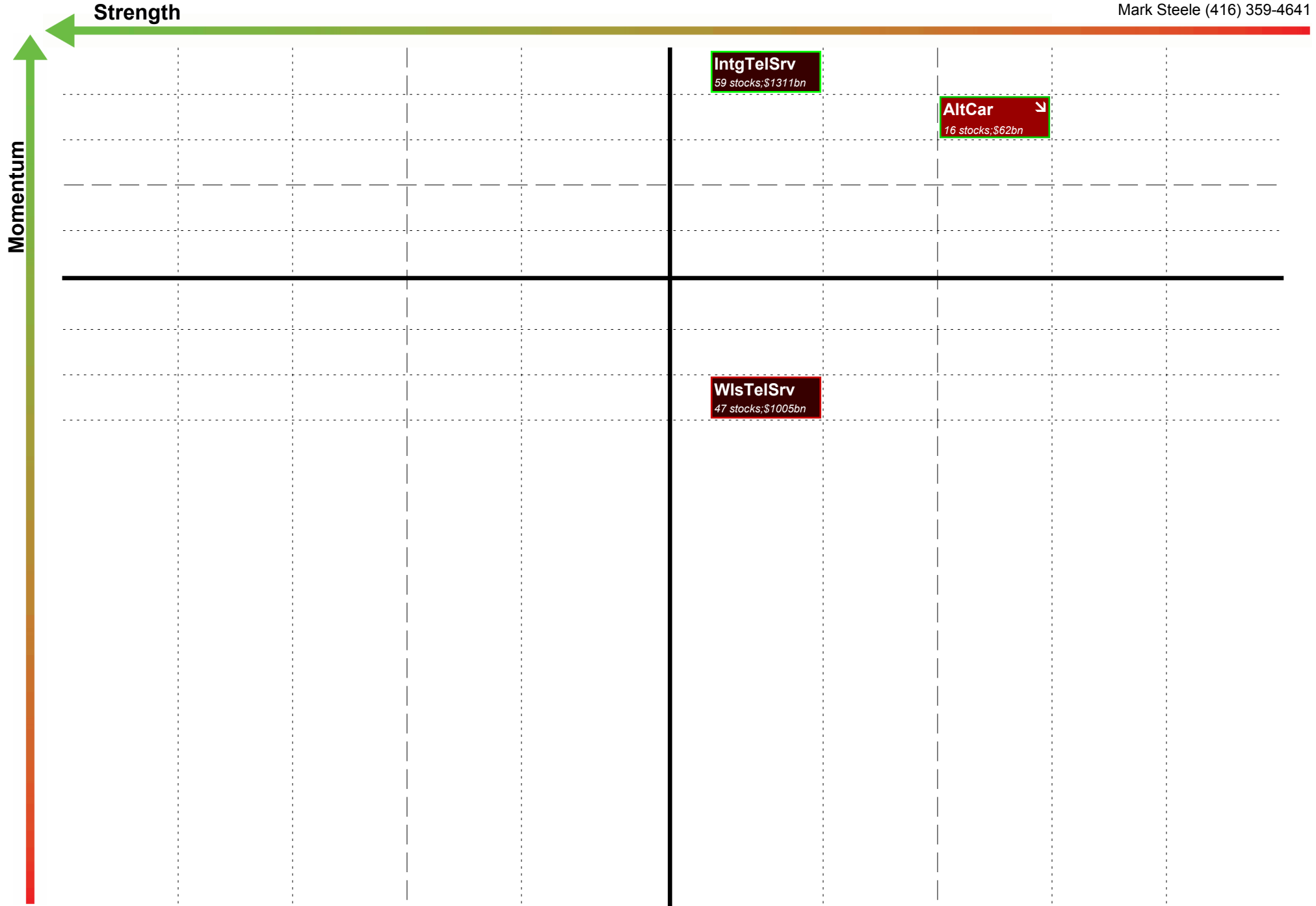


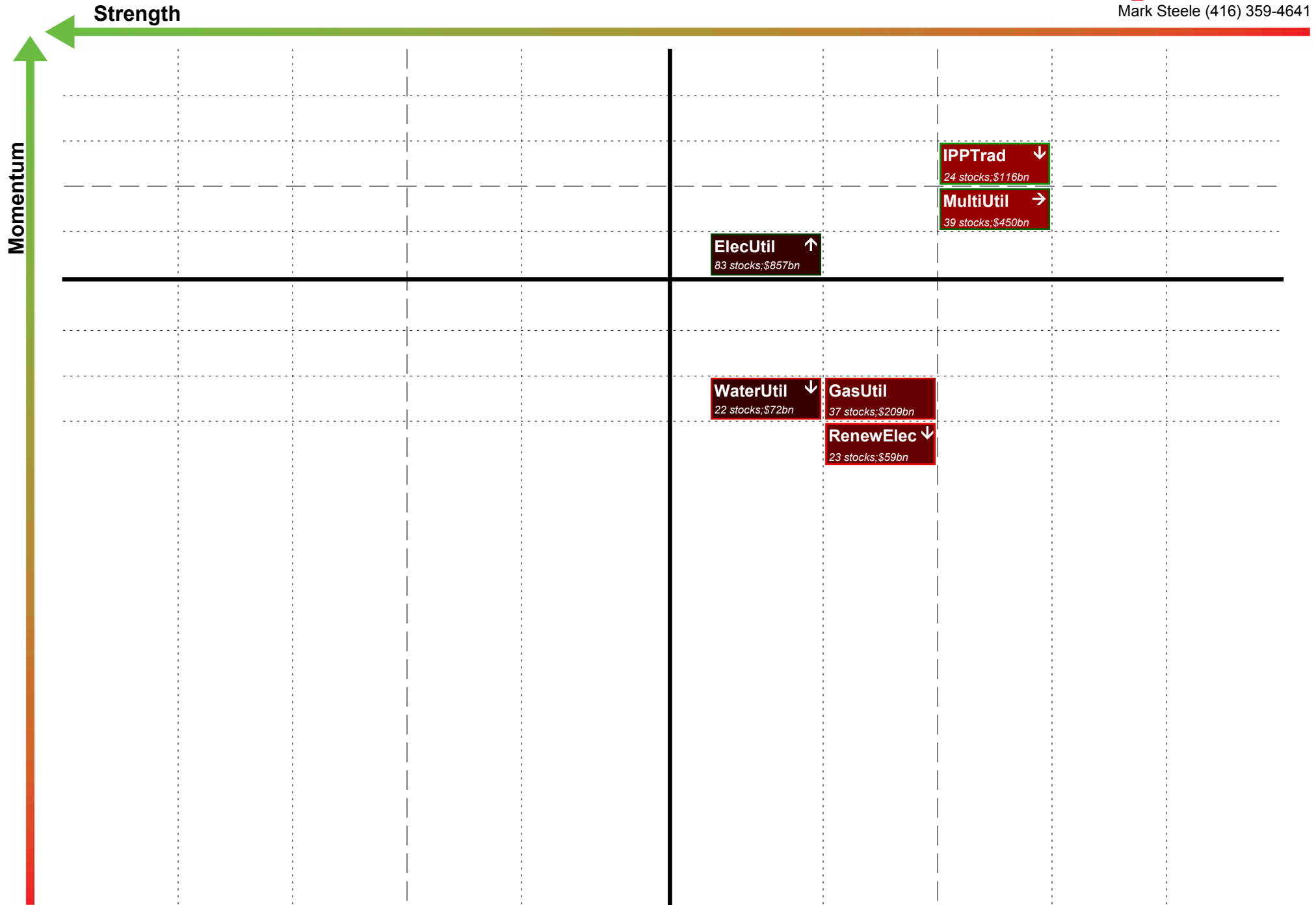












# User Guide 1 - Definitions & Dataset

## Group Strength

Our Global Group analysis is based on bottom-up equity relative strength analysis as opposed to industry group (index) relative strength analysis.

## Strength Decile Defined By

1. What percentage of a groups members are outperforming
2. How consistant that outperformance is
3. How the are members positioned (above/below) vs. their trend channels.

## Momentum Decile

Rate of change of strength (change in 5-day moving average)

## The Underlying Equity Relative Strength Analysis

Each day, for every equity we cover, our relative strength system assesses the best fit trend from a spectrum which covers a minimum trend duration of six months, and a maximum of 4-years. The "best fit" is the trend which maximizes duration, and minimizes deviation from the trend. Our process is flexible, thorough, and because it is run daily, timely.

## The Dataset:

- Over 5,700 securities.
- Groups have a:
  - ...Median depth of 28
  - ...Average depth of 36

## Heat Map Colour and Symbol Guide

Strength is highlighted by the background of the group title

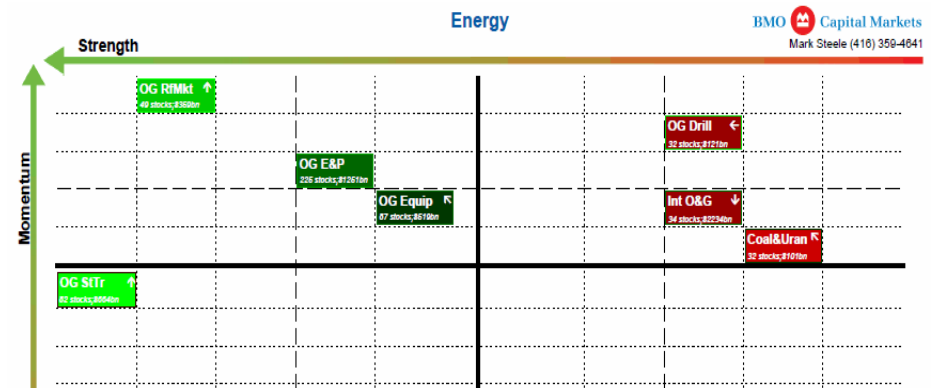
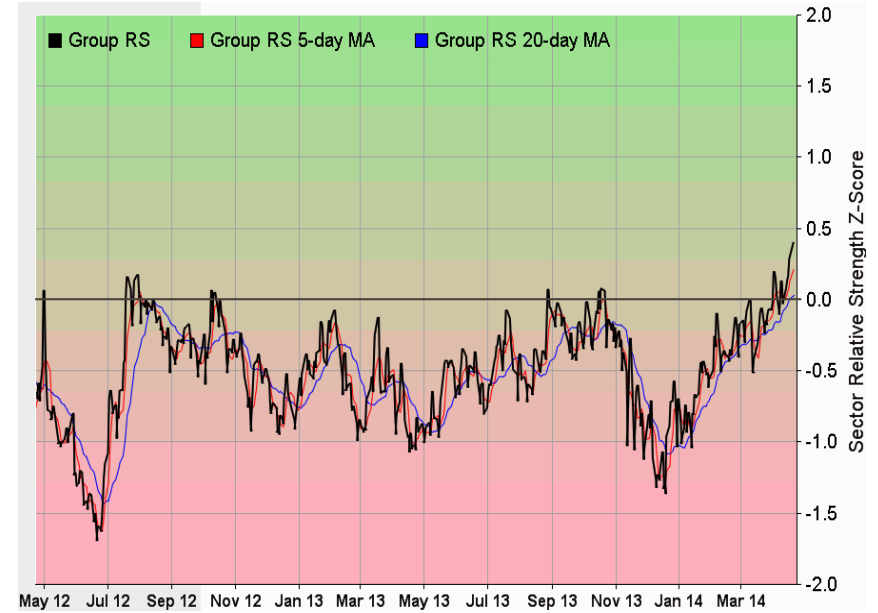
- Bright green = best (1st decile) transitions towards...
- Bright red = worst (10th decile)

Momentum is highlighted in the border of the group title

- Colour map for momentum is the same as strength

Symbols to the right of the group ticker show where a group moved from in the previous session. Below the group symbol we highlight the number and total market capitalization of the members in a group.

Clicking on the group, which brings up the chart via a hyperlink, will help to clarify the moves.





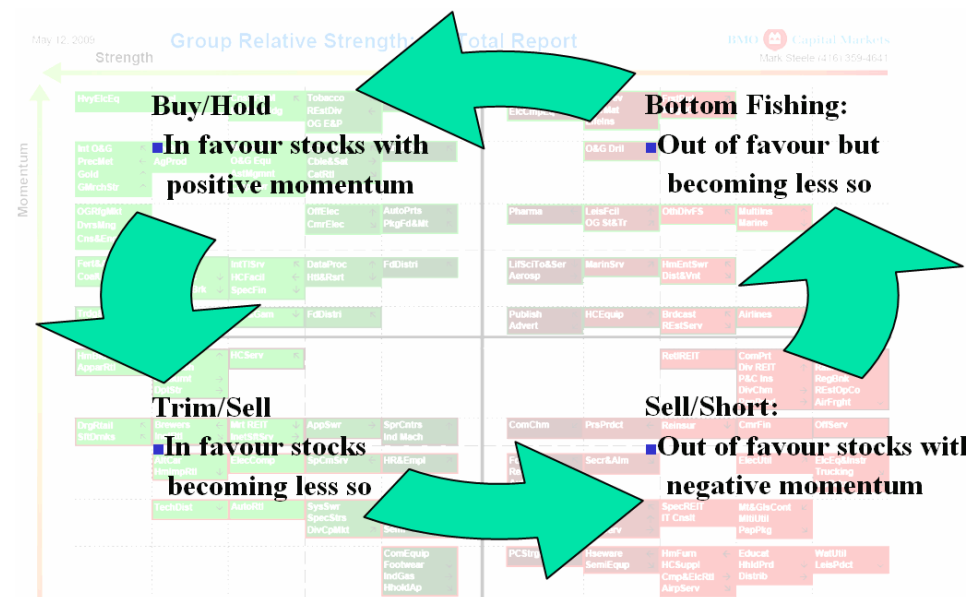
# User Guide 2 - Momentum

## Our Goals:

- To buy outperforming stocks in favoured groups
- To avoid underperforming stocks in unfavoured groups
- To be alerted of and act on the changes

## #1 Rule of Momentum: You can use it only if it exists

- In stable/trending markets, one can buy stocks with high strength and momentum and hold them as long as momentum does not turn negative (trend following).
- In very rotational markets (e.g., where credit, currency, commodity conditions are choppy/changing):
  - Buying high strength and high momentum may be dangerous (buying yesterday's winners).
  - One is better off buying stocks with moderate strength and high momentum (bottom fishing).



# User Guide 3 - Buy/Hold/Sell

## Buy

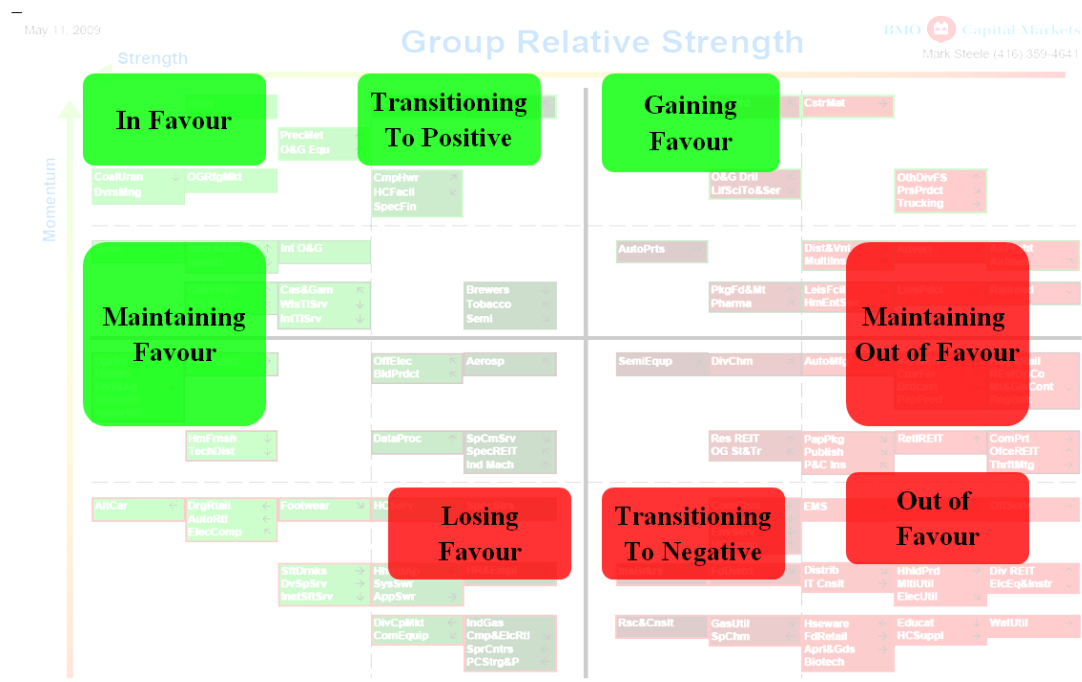
- Groups with high strength and high positive momentum (top left) - “In Favour”
- Groups with moderate strength and high positive momentum - “Transitioning to Positive”
- Groups with mediocre strength and high positive momentum - “Gaining Favour”

## Buy/Hold

- Groups with high strength and neutral momentum (middle left) - “Maintaining Favour”

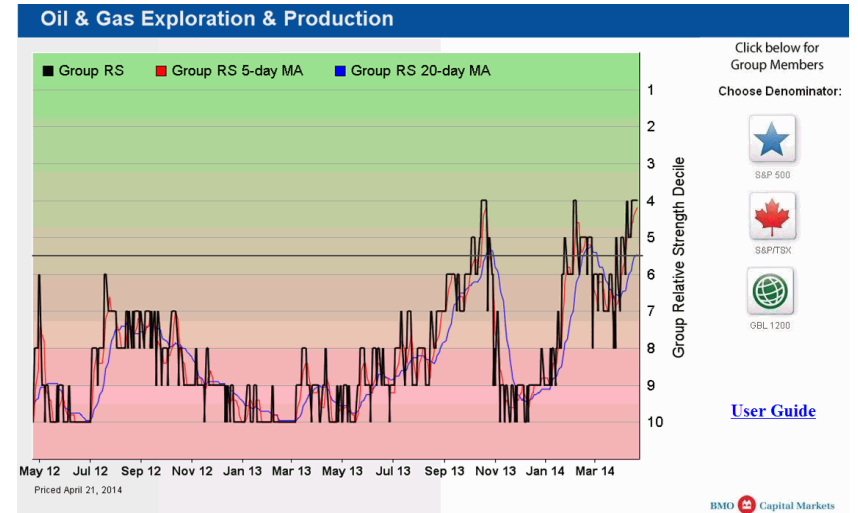
## Sell

- Groups with low strength and high negative momentum (bottom right) - “Out of Favour”
- Groups with moderately negative strength and high negative momentum - “Transitioning to Negative”
- Groups with mediocre strength and high negative momentum - “Losing Favour”



# User Guide 4 - Hyperlinks To Decile Charts & Stock Selection

- Each group is hyperlinked to a chart that shows the relative strength decile as a function of time, and the moving average (momentum).



- Each chart is hyperlinked to the group membership, in our RS Filter Toolkit.

BMOCM RS Filter: Oil and Gas Exploration and Production

File Edit Equity Screening By Help

Search Company Deciles Pricing TRENDS Technicals BMO Growth/Value CFPS Earnings Div CDS Portfolio SPTSX Default View

Portfolio No portfolio filter selected Category No category filter selected View No view filter selected Portfolio Checks No portfolio check filter selected

	Company			Decile Rankings										Pricing				Relative Strength vs S&P/TSX									
	Name / Link to Charts	Symbol & Links	Sub Industry	Group RS	LTRS	RS	ROC	EE	CFPS	DIVID	Liquidity	CDS Level	CDS ROC	TOTAL	52 Wk H/L	Apr 21 Cls.	1-day Chg (%)	Vol. (000s)	F i a	MktCap C\$mm	Chg Last Day	Reward /Risk	Chg Last Day Sec	Reward /Risk vs. Sector	Trend Slope	Hi (Mo)	Lo (Mo)
1	<a href="#">Kelt Exploration Ltd</a>	<a href="#">KEL.CN</a>	Energy OG EAP	4	1	7	4	1	6	6	3	*	13.75	-0.4%	572	1,684									83%		
2	<a href="#">Parex Resources...</a>	<a href="#">PXT.CN</a>	Energy OG EAP	4	4	6	1	6	8	8	4	*	10.71	-1.7%	492	1,171										101%	
3	<a href="#">Penn Virginia Corp</a>	<a href="#">PVA.US</a>	U.S. Energy OG EAP	4	9	1	10	8	6	3	2	*	17.47	3.1%	2,380	1,262										159%	
4	<a href="#">Delphi Energy Corp</a>	<a href="#">DEF.CN</a>	Energy OG EAP	4	9	1	3	3	1	8	2	*	3.20	-0.3%	1,464	494										137%	
5	<a href="#">Canadian Natural...</a>	<a href="#">CNQ.CN</a>	Energy OG EAP	4	8	1	6	1	1	2	1	*	44.43	-0.6%	9,798	48,530										44%	
6	<a href="#">Tamarack Valley...</a>	<a href="#">TYE.CN</a>	Energy OG EAP	4	6	1	8	7	8	8	5	*	6.14	1.3%	418	369										93%	
7	<a href="#">Bonavista Energy...</a>	<a href="#">BNP.CN</a>	Energy OG EAP	4	8	1	9	1	1	6	5	H	17.41	0.6%	738	3,281										53%	10.5
8	<a href="#">Ultra Petroleum C...</a>	<a href="#">UPL.US</a>	Energy OG EAP	4	10	1	8	3	2	2	2	H	29.72	1.2%	3,226	5,014										76%	27.5
9	<a href="#">Toumaline Oil Corp</a>	<a href="#">TOU.CN</a>	Energy OG EAP	4	4	1	5	4	1	4	2	H	56.00	1.0%	624	10,928										39%	41
10	<a href="#">Reins River Exp...</a>	<a href="#">RRX.CN</a>	Energy OG EAP	4	1	1	1	2	1	5	1	H	9.68	2.5%	951	1,727										70%	25

Portfolio Analytics

BMOCM RS Filter: Oil and Gas Exploration and Production (235)

Default Screens

Outperforming Mkt&Sec 86 | Underperforming Mkt&Sec 88 | Momentum Buys 20 | Momentum Sells 14 | Obot BBand 73 | Obot RSI 66 | Osold BBand 1 | Osold RSI 3 | 52wH 47

Outperforming Market 103 | Underperforming Market 92 | Severed Mkt Outperformers 2 | Severed Mkt Underperformers 33 | New X-Mo Mkt RS H 75 | New X-Mo Mkt RS L 12 |

Outperforming Sector 88 | Underperforming Sector 118 | Severed Sector Outperformers 6 | Severed Sector Underperformers 18 | New X-Mo Sector RS H 57 | New X-Mo Sector RS L 22 |

235 of 235 rows are displayed.

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Hold	Market Perform	51.4%	10.4%	38.5%	52.1%	41.9%	40.5%
Sell	Underperform	4.9%	9.4%	3.3%	5.2%	2.6%	5.5%

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Und = Underperform - Forecast to underperform the analyst's coverage universe on a total return basis;

(S) = Speculative investment;

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