

AURUM

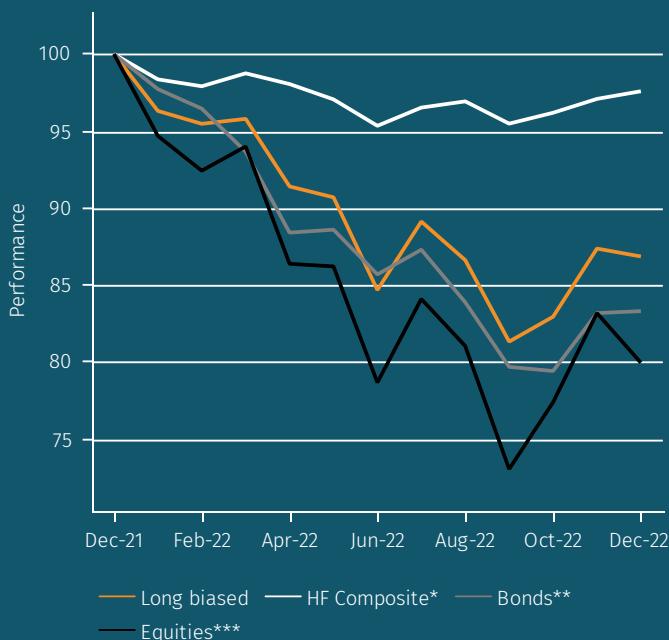
Long biased strategy analytics pack

12 months to December 2022

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MASTER STRATEGY vs INDICES NET RETURN



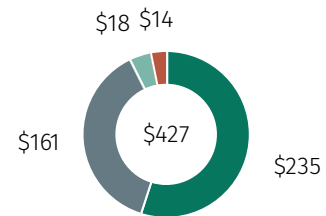
*HF Composite = Aurum Hedge Fund Data Engine Asset Weighted Composite Index.
 **Bonds = S&P Global Developed Aggregate Ex Collateralized Bond (USD).
 ***Equities = S&P Global BMI.

All figures and charts use asset weighted net returns unless otherwise stated. All Hedge Fund data is sourced from Aurum Hedge Fund Data Engine.

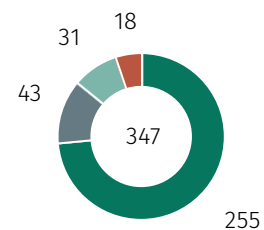
For definitions on how the Strategies and Sub-Strategies are defined please refer to <https://www.aurum.com/hedge-fund-strategy-definitions/>, and for information on index methodology, weighting and composition please refer to <https://www.aurum.com/aurum-strategy-engine/>.

Long
biased

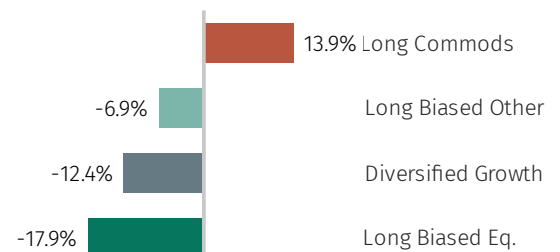
AUM (\$BN)



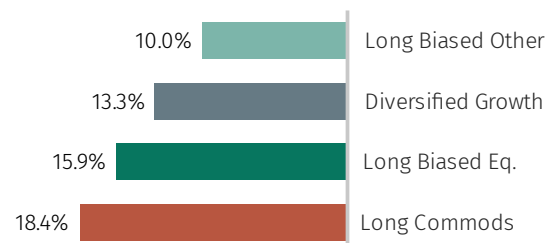
NO. OF FUNDS



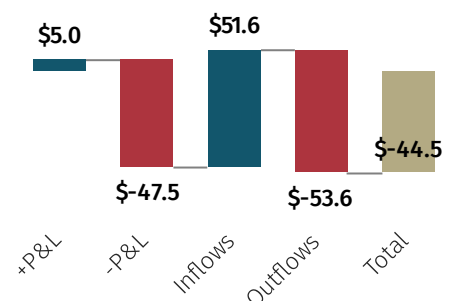
SUB-STRATEGY NET RETURN (1 YR)



STANDARD DEVIATION (1 YR)



AUM CHANGE \$BN (1 YR)



NET RETURN OF MASTER AND SUB STRATEGIES (1 YR)

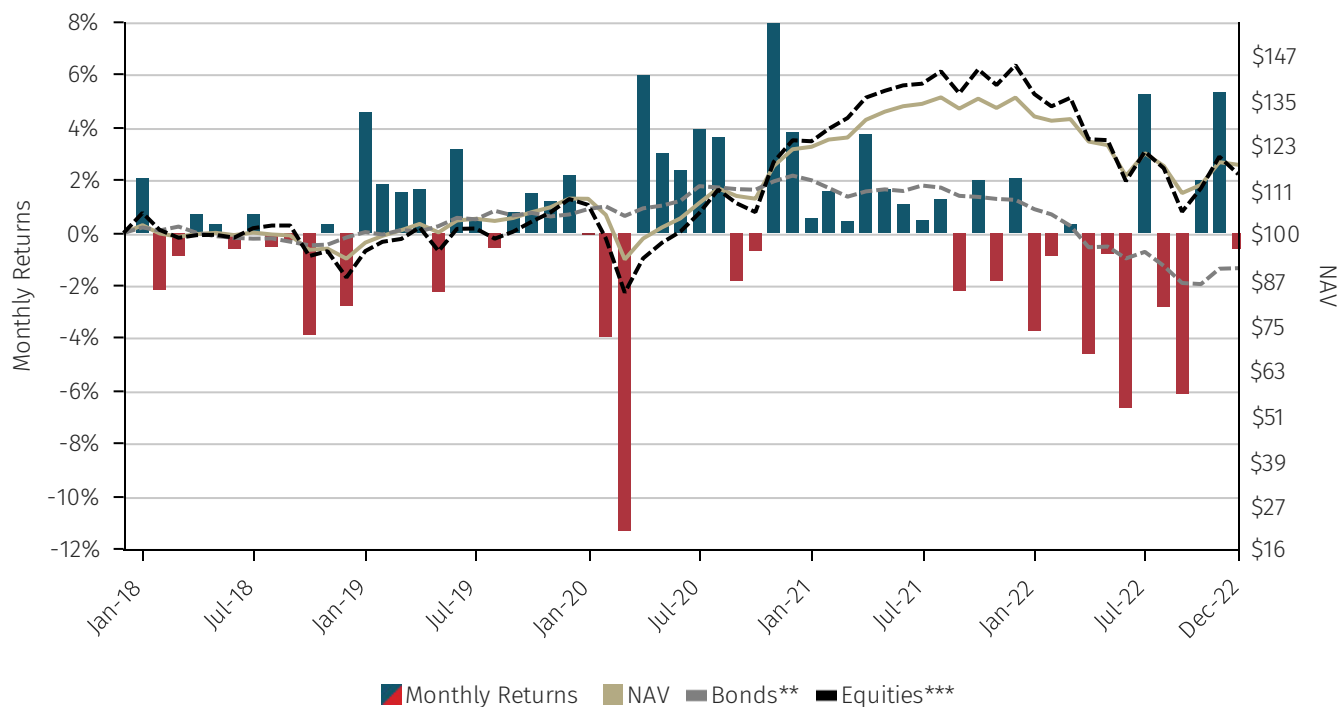
	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	1 YR
Long biased	-3.69%	-0.87%	0.34%	-4.58%	-0.77%	-6.63%	5.25%	-2.81%	-6.11%	1.99%	5.34%	-0.59%	-13.15%
Long Commods	6.91%	5.81%	7.93%	3.17%	2.00%	-9.34%	3.31%	0.41%	-7.02%	2.53%	2.13%	-3.20%	13.87%
Long Biased Other	-1.81%	-1.20%	0.41%	-1.79%	0.29%	-5.23%	4.22%	-0.84%	-4.82%	-0.38%	4.23%	0.11%	-7.04%
Diversified Growth	-2.69%	-0.37%	-0.47%	-4.41%	-1.12%	-6.37%	5.61%	-4.33%	-5.38%	1.29%	4.90%	1.01%	-12.38%
Long Biased Eq.	-6.11%	-2.18%	0.20%	-6.15%	-0.96%	-6.66%	5.18%	-1.67%	-7.06%	3.06%	6.39%	-2.40%	-17.86%
HF Composite*	-1.64%	-0.46%	0.86%	-0.71%	-1.01%	-1.77%	1.24%	0.42%	-1.49%	0.74%	0.94%	0.51%	-2.42%
Bonds**	-2.28%	-1.30%	-2.90%	-5.61%	0.22%	-3.28%	1.88%	-3.91%	-5.00%	-0.34%	4.73%	0.16%	-16.69%
Equities***	-5.32%	-2.39%	1.70%	-8.10%	-0.20%	-8.74%	6.89%	-3.63%	-9.86%	5.93%	7.48%	-3.87%	-20.04%

NET RETURN OF MASTER AND SUB STRATEGIES (5 YR)

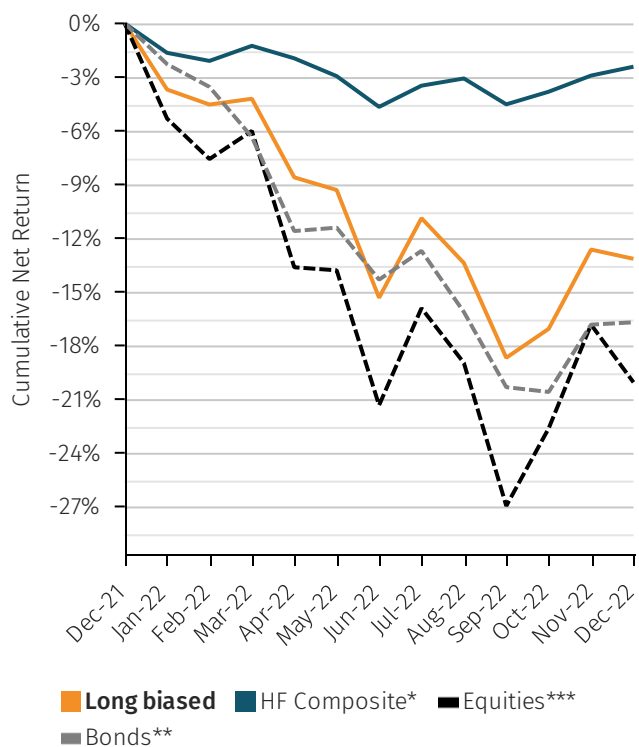
Annual Perf	2022	2021	2020	2019	2018	5Yr CAR	5Yr Vol	5Yr Sharpe
Long biased	-13.15%	11.24%	12.02%	17.13%	-6.82%	3.39%	11.13%	0.21
Long Commods	13.87%	25.10%	-4.26%	7.04%	-12.81%	4.94%	15.15%	0.29
Long Biased Other	-7.04%	11.24%	7.31%	11.31%	-2.58%	3.77%	8.44%	0.30
Diversified Growth	-12.38%	9.72%	6.11%	13.02%	-5.41%	1.75%	9.14%	0.06
Long Biased Eq.	-17.86%	11.63%	21.49%	23.86%	-8.01%	4.88%	14.95%	0.29
HF Composite*	-2.42%	7.47%	9.15%	10.11%	-2.44%	4.22%	5.91%	0.46
Bonds**	-16.69%	-5.59%	9.84%	6.19%	-1.20%	-1.95%	6.44%	-0.52
Equities***	-20.04%	16.02%	14.34%	23.65%	-11.84%	2.95%	17.99%	0.16

Master strategy performance

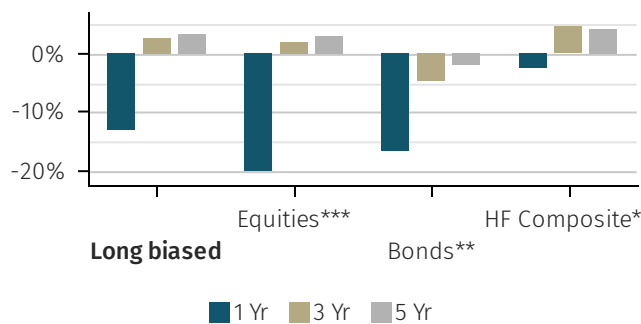
NET MONTHLY RETURN (5 YR)



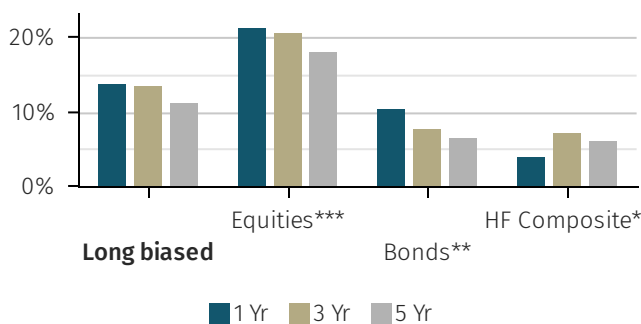
COMPARATIVE RETURN VS HF COMPOSITE (1 YR)



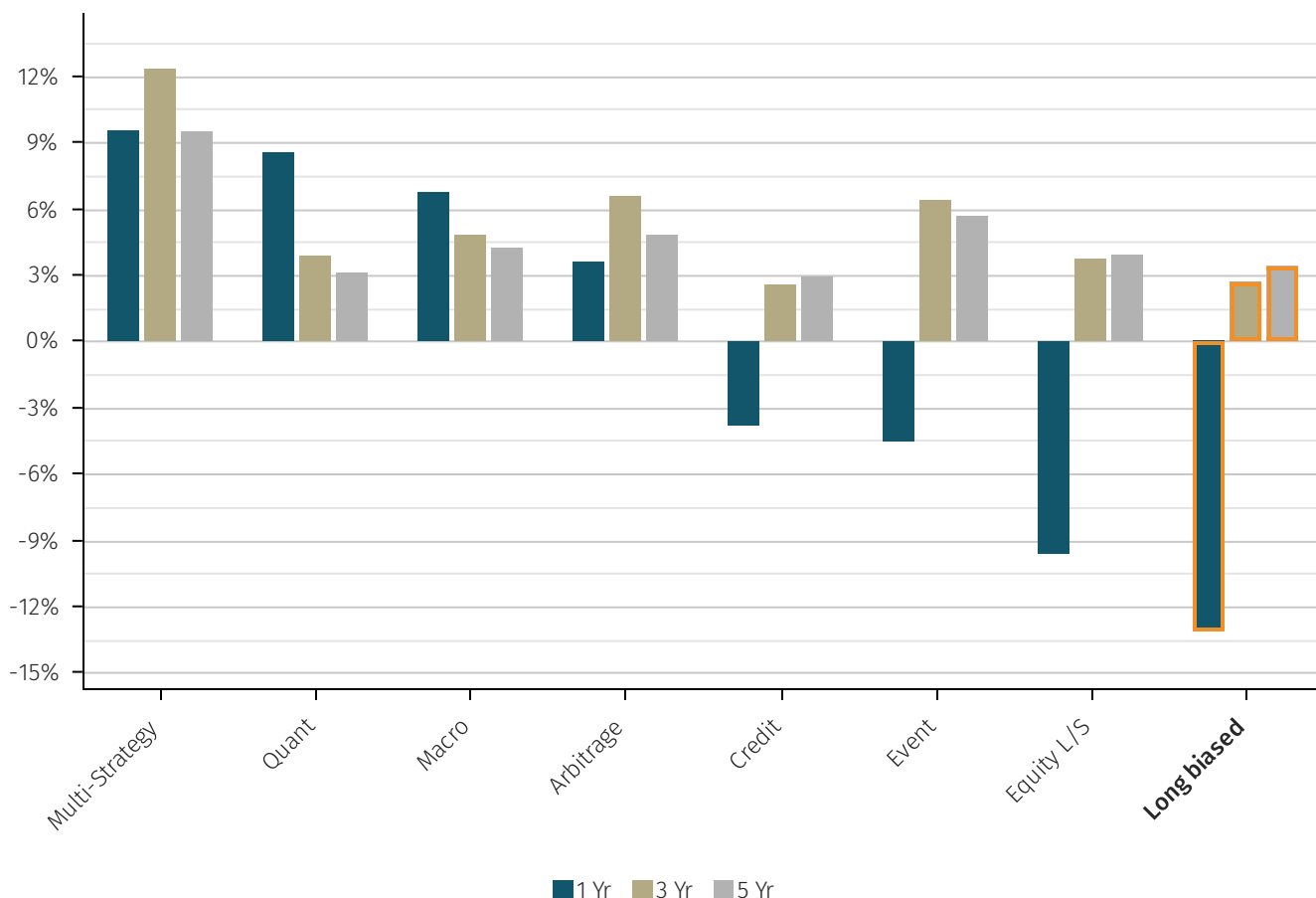
NET RETURN (ANNUALISED)



VOLATILITY (ANNUALISED)



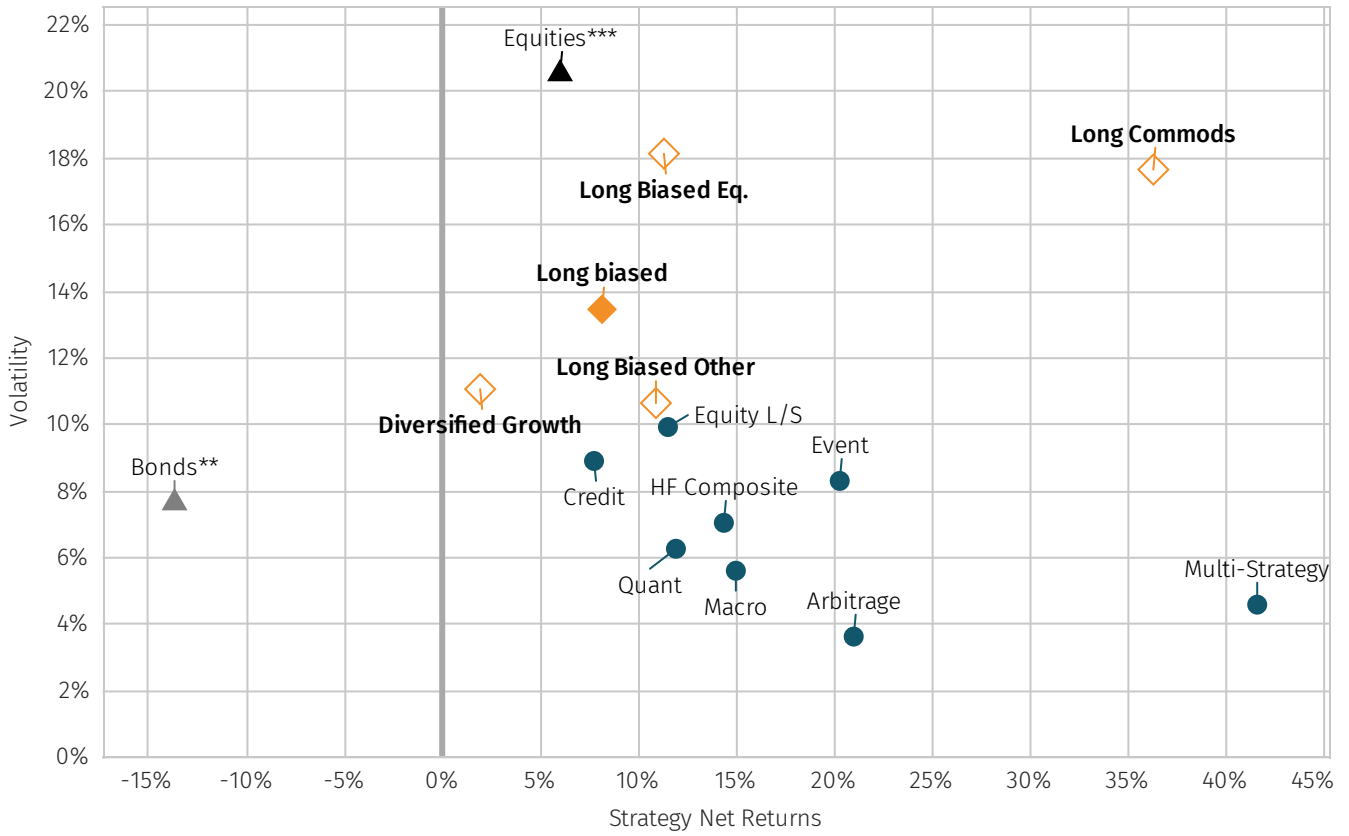
MASTER STRATEGY NET ANNUALISED RETURNS



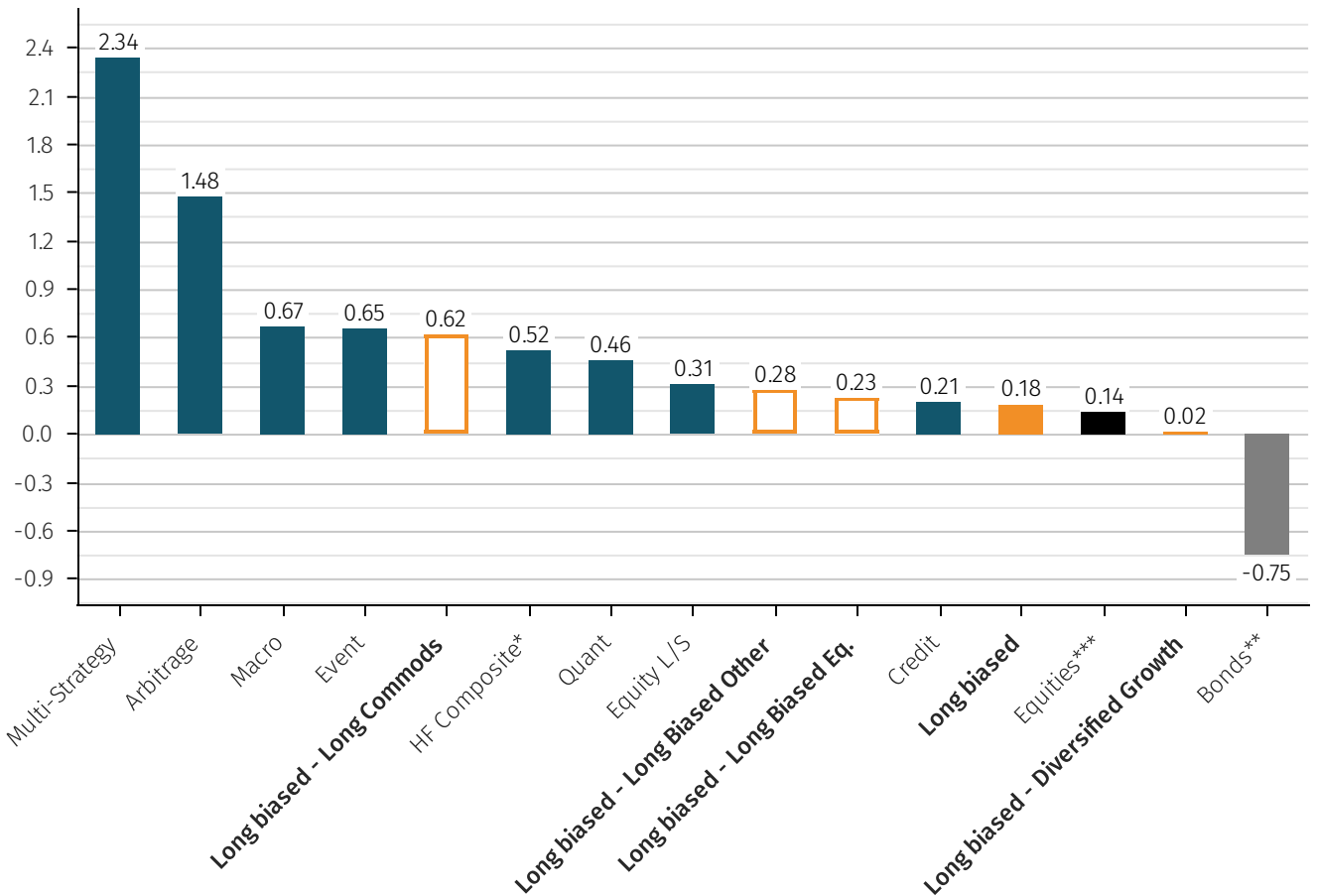
MULTIPLE PERIOD – HIERARCHICAL ANNUALISED NET RETURN

1 YEAR	3 YEAR	5 YEAR	10 YEAR
Multi-Strategy 9.5%	Multi-Strategy 12.3%	Multi-Strategy 9.5%	Multi-Strategy 8.3%
Quant 8.5%	Arbitrage 6.6%	Event 5.7%	Event 5.8%
Macro 6.7%	Event 6.4%	Arbitrage 4.8%	Equity L/S 5.3%
Arbitrage 3.6%	Macro 4.8%	HF Composite* 4.2%	HF Composite* 4.6%
HF Composite* -2.4%	HF Composite* 4.6%	Macro 4.2%	Long biased 4.1%
Credit -3.8%	Quant 3.8%	Equity L/S 3.9%	Credit 4.0%
Event -4.5%	Equity L/S 3.7%	Long biased 3.4%	Quant 3.5%
Equity L/S -9.6%	Long biased 2.7%	Quant 3.1%	Macro 3.2%
Long biased -13.1%	Credit 2.5%	Credit 2.9%	Arbitrage 2.5%

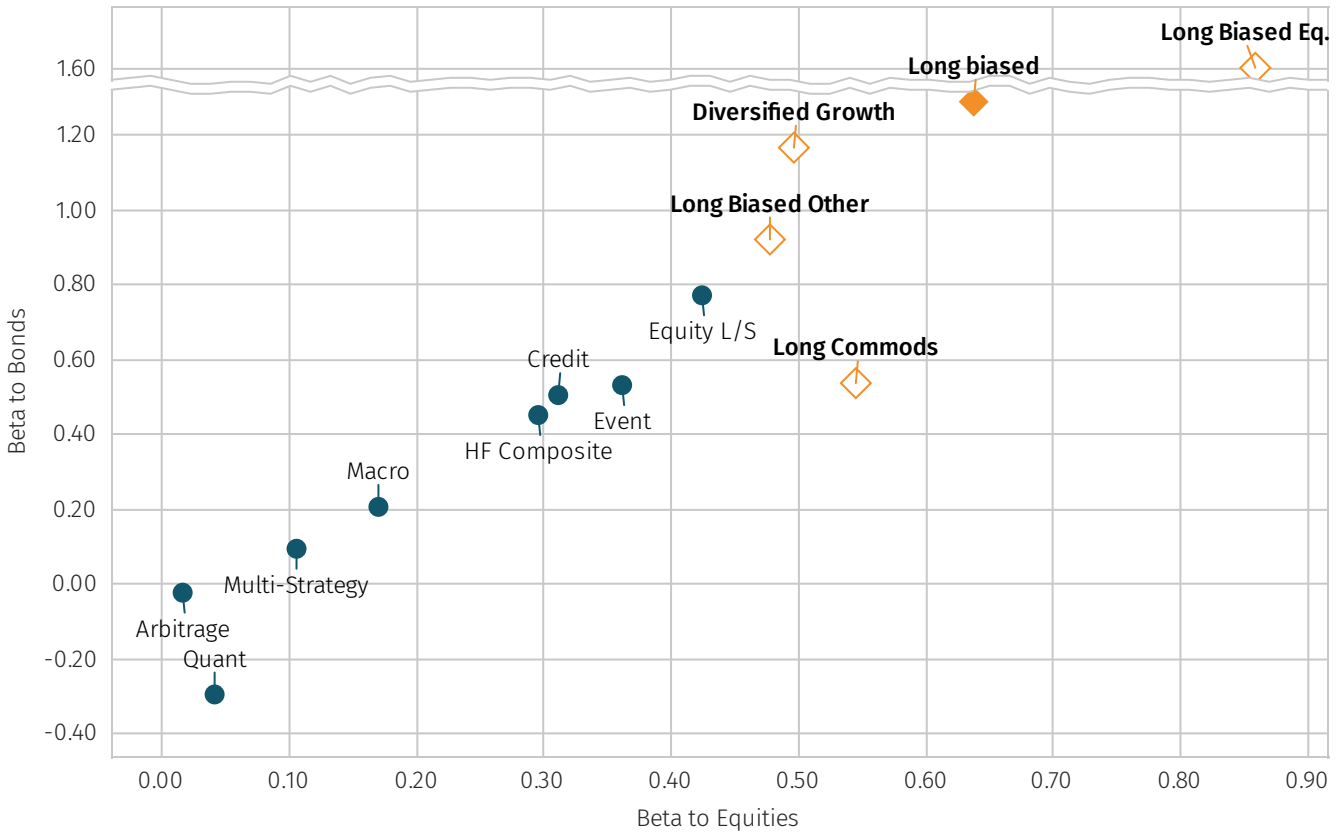
STRATEGY NET TOTAL RETURN VS ANNUALISED VOL (3 YR)



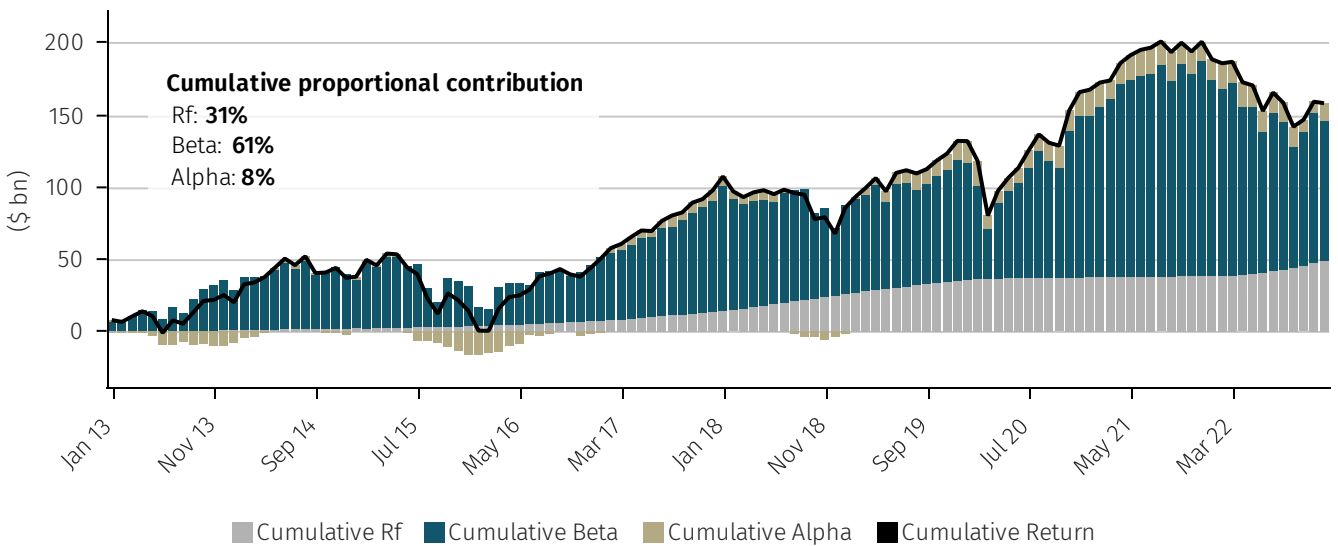
SHARPE RATIO BY HEDGE FUND STRATEGY (3 YR)[†]



STRATEGY BETA TO BONDS AND EQUITIES (3 YR)



MASTER STRATEGY - DECOMPOSING DOLLAR PERF. INTO ALPHA, BETA AND RISK FREE (RF) COMPONENTS

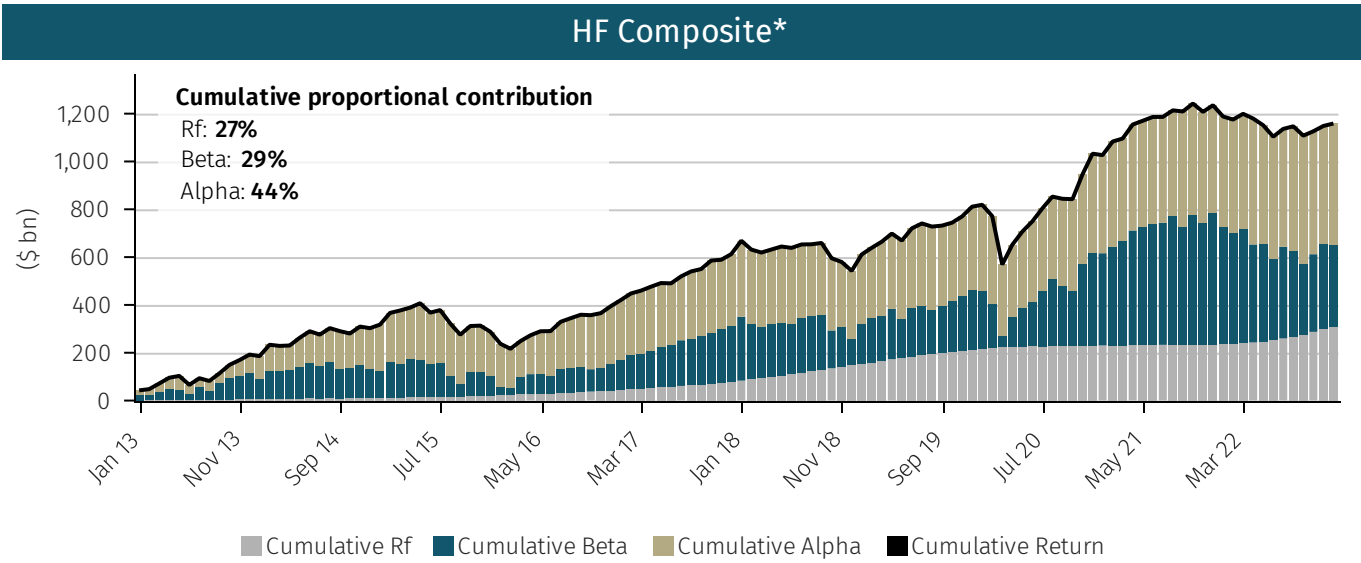


These charts decompose the Hedge Fund Composite dollar returns into beta, alpha and risk free (“Rf”) components, as follows: $\alpha = \text{actual return} - R_f - \beta * (\text{market return} - R_f)$.

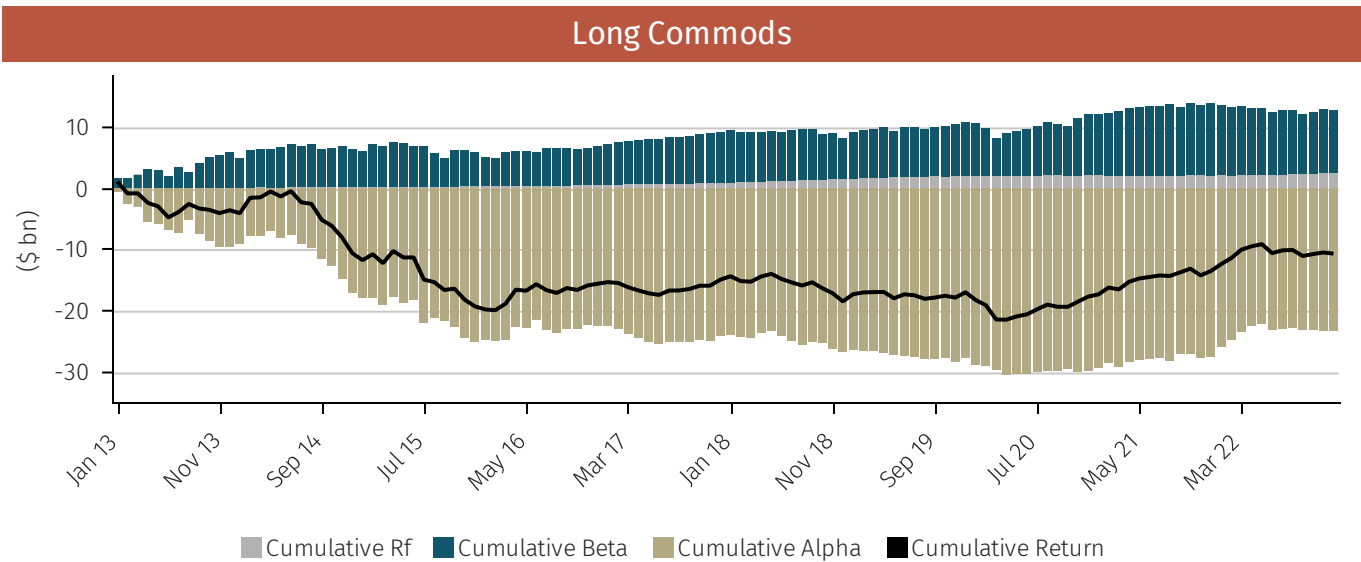
Where R_f is the risk free rate as defined by a rolling 3m USD Libor, where market return is that of S&P Global BMI (‘the market index’) and where beta has been calculated with respect to each underlying fund observed on a 24m rolling basis to the market index. The monthly alpha, beta and R_f components are then applied to each underlying fund’s dollar performance for a particular month, and then at a master strategy or industry level the individual fund dollar contributions are aggregated up.

For note, beta can be negative in certain cases, creating negative dollar attributions. These are offset by corresponding positive alpha contributions.

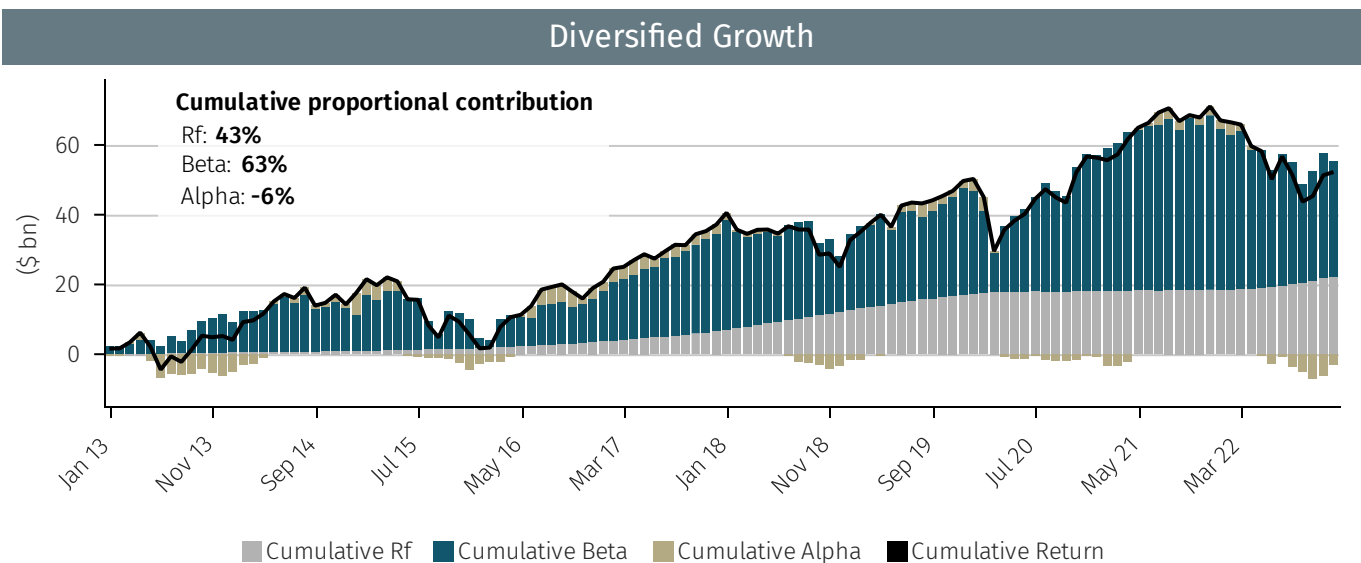
HF Composite* - DECOMPOSING DOLLAR PERF. INTO ALPHA, BETA AND RISK FREE (RF) COMPONENTS



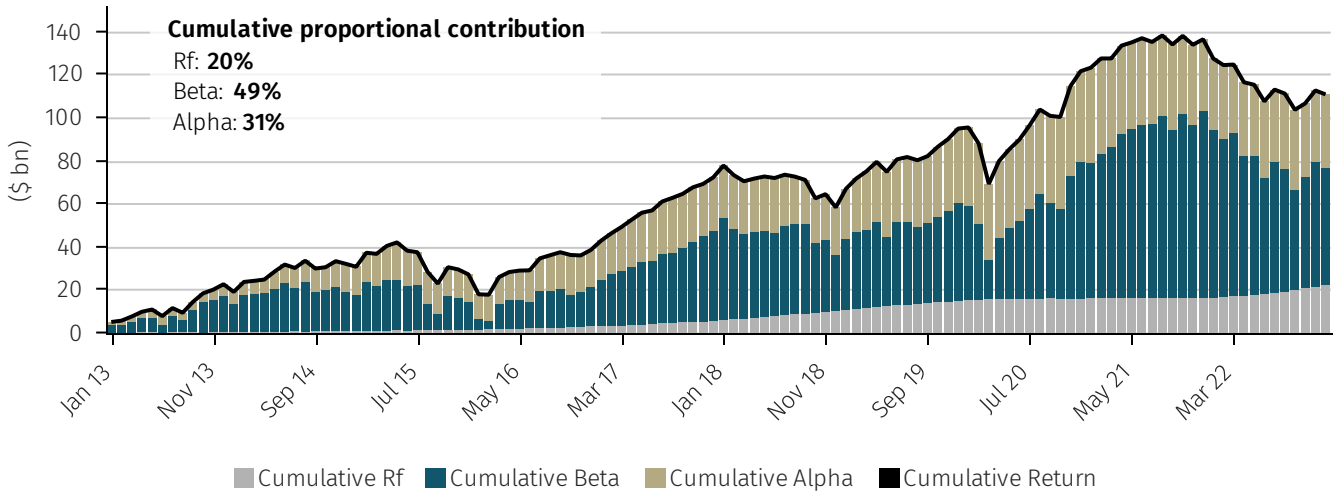
SUB-STRATEGY - DECOMPOSING DOLLAR PERF. INTO ALPHA, BETA AND RISK FREE (RF) COMPONENTS



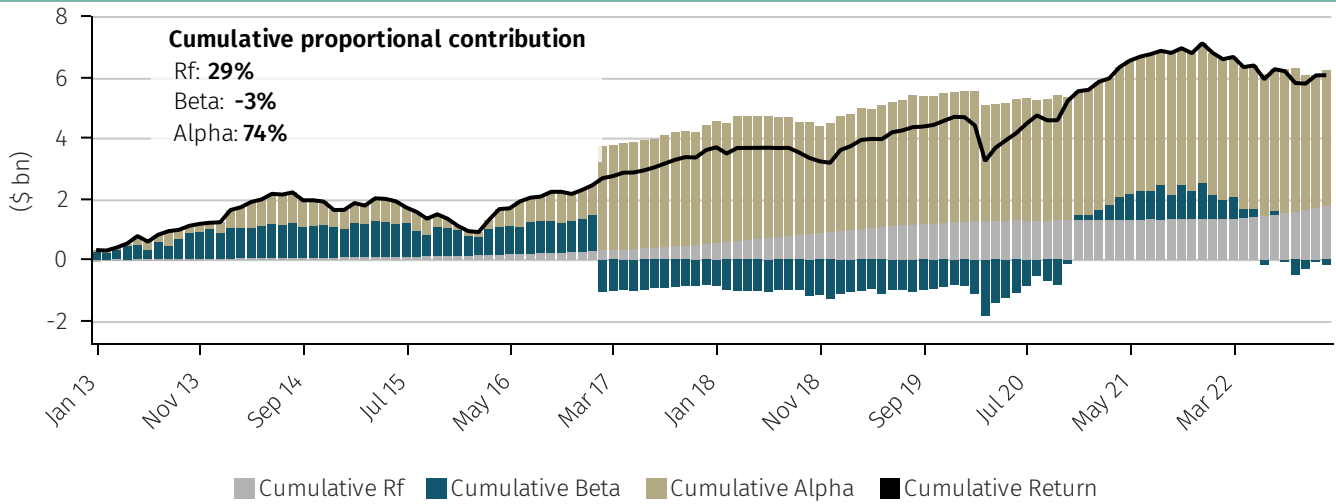
Due to cumulative dollar contribution being less than zero we have removed the accompanying data panel.



Long Biased Eq.

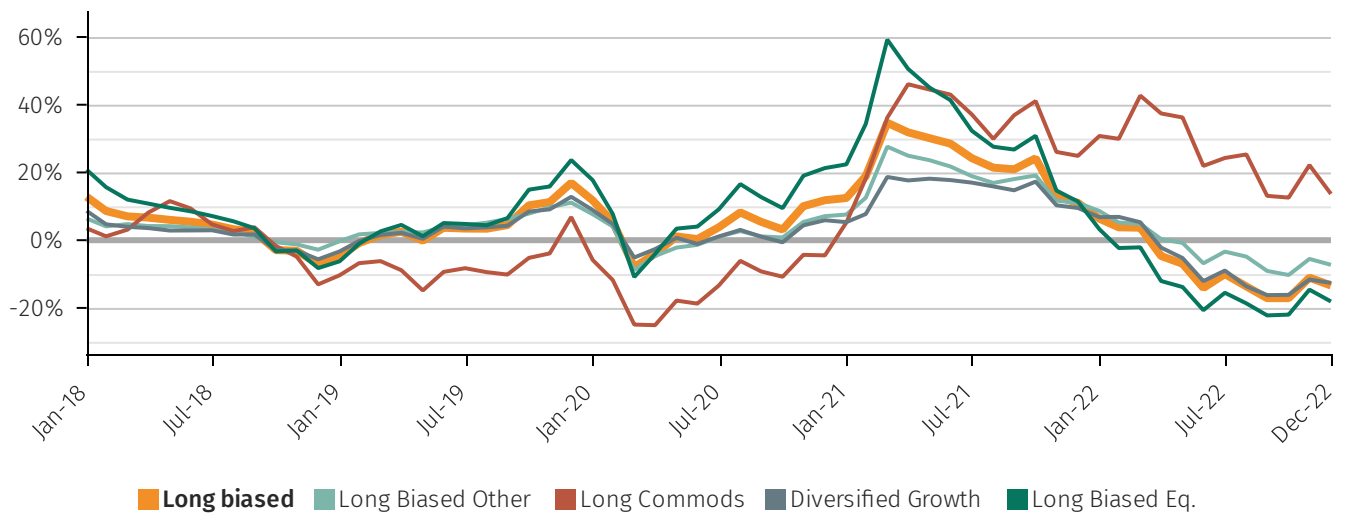


Long Biased Other

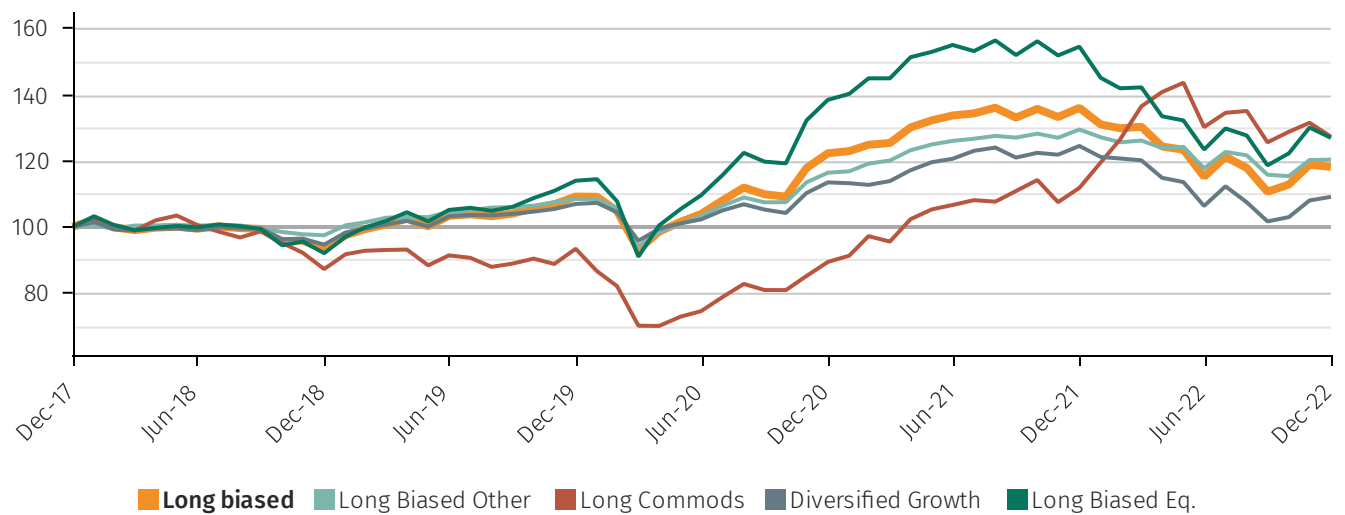


Sub-strategy performance

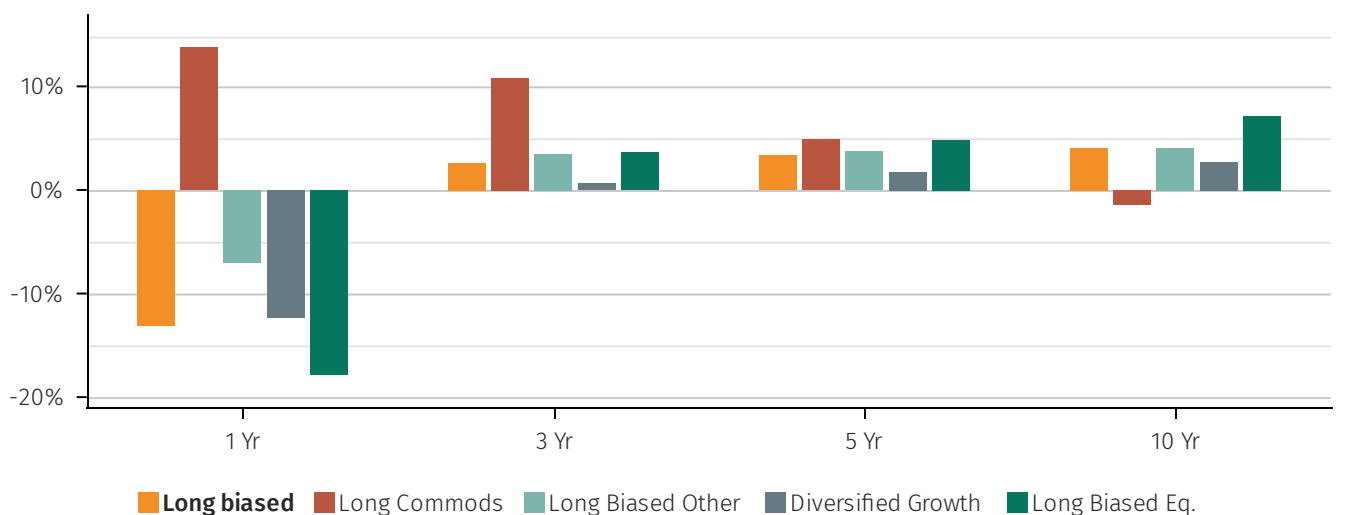
ROLLING 12 MONTH NET RETURN (5 YR)



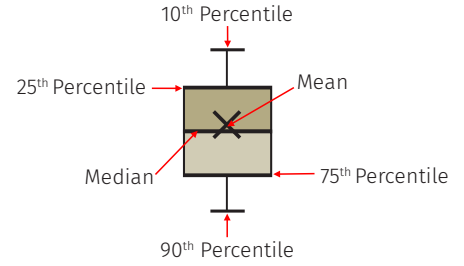
CUMULATIVE NET RETURN (5 YR)



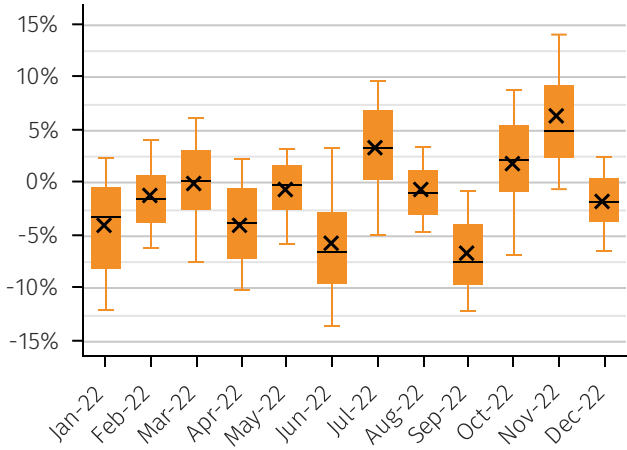
COMPOUND RETURN (ANNUALISED)



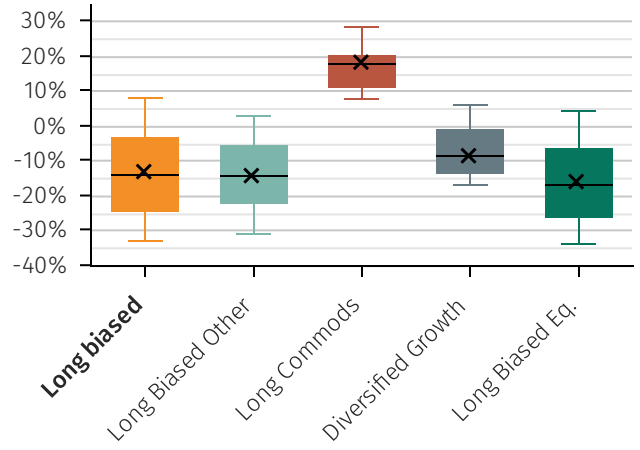
Performance dispersion



MASTER STRATEGY NET RETURN DISTRIBUTION

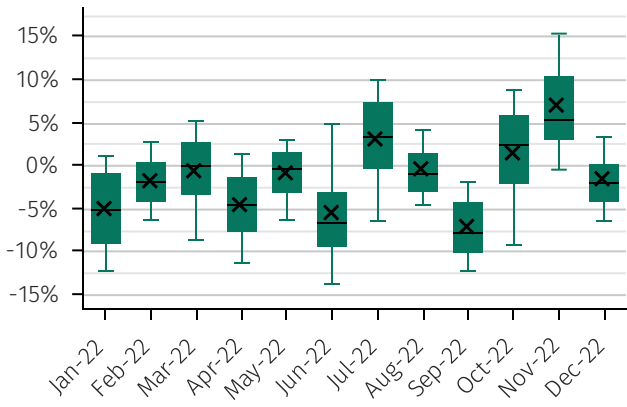


SUB-STRATEGY NET RETURN (1 YR)

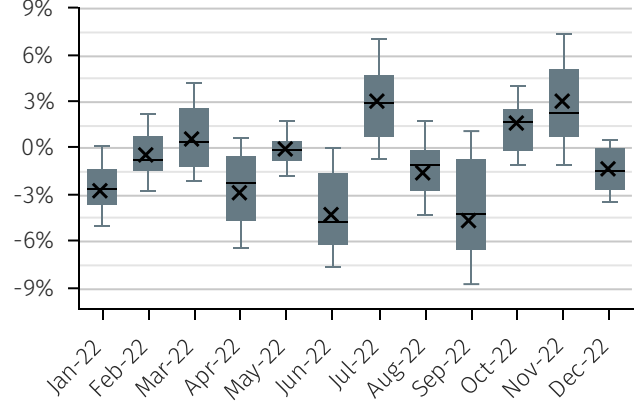


SUB-STRATEGIES NET MONTHLY RETURN DISTRIBUTION

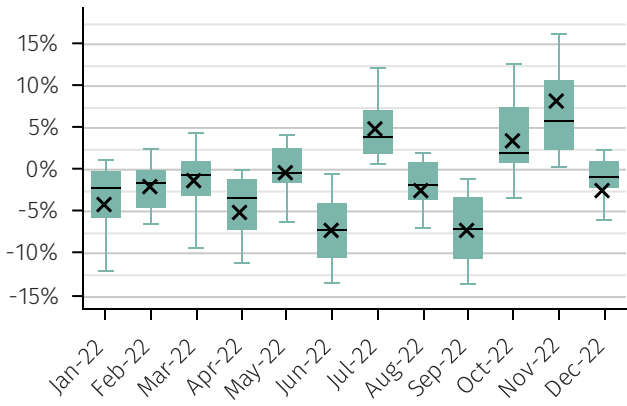
Long Biased Eq.



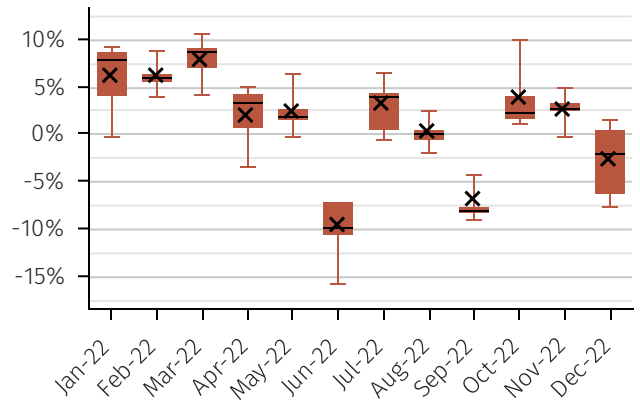
Diversified Growth



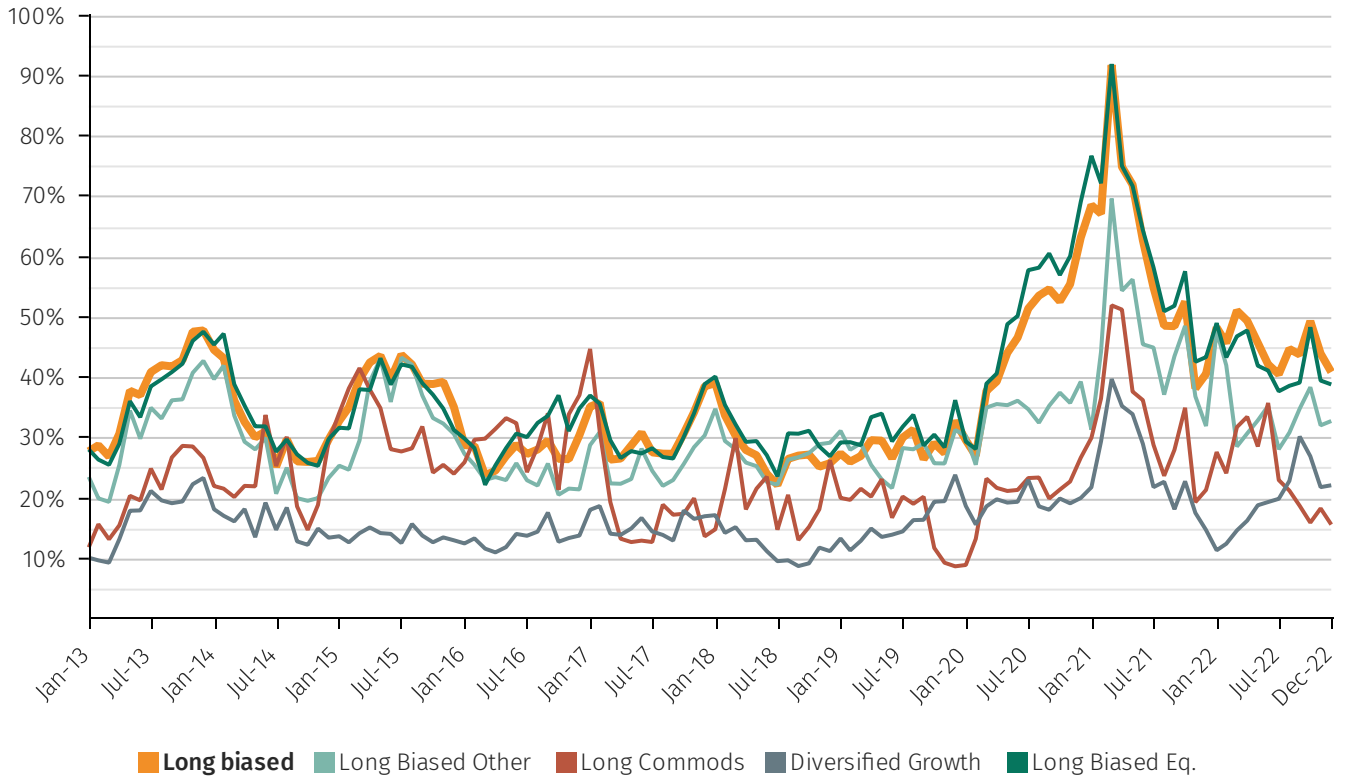
Long Biased Other



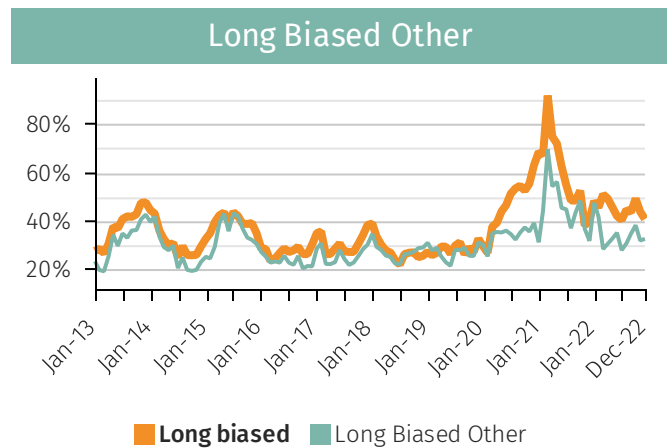
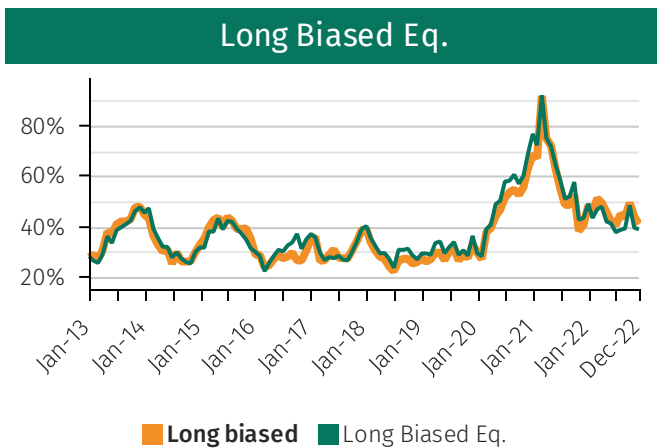
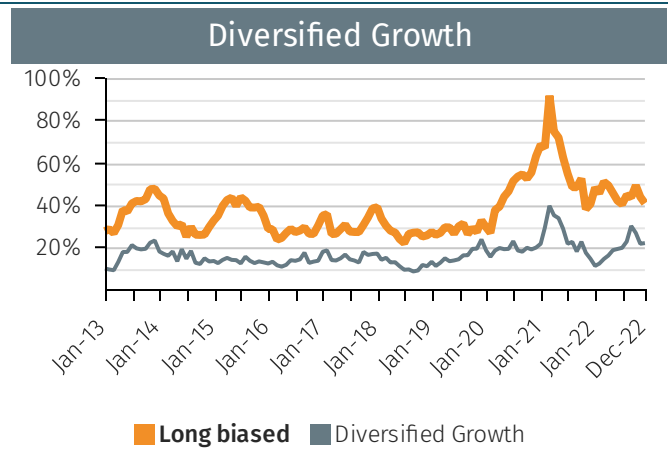
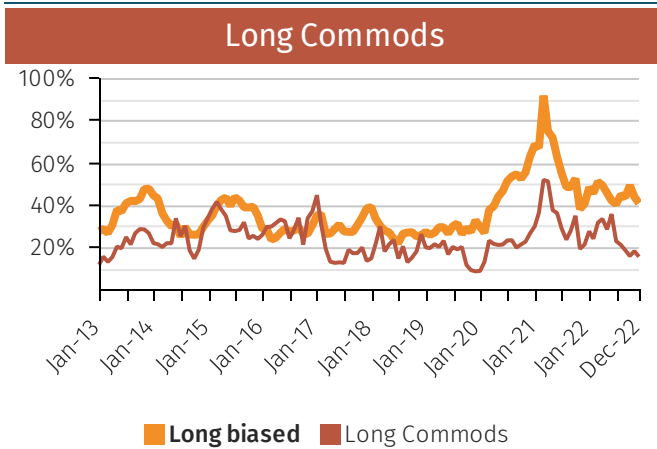
Long Commods



10th – 90th PERCENTILE 12M ROLLING PERFORMANCE SPREAD

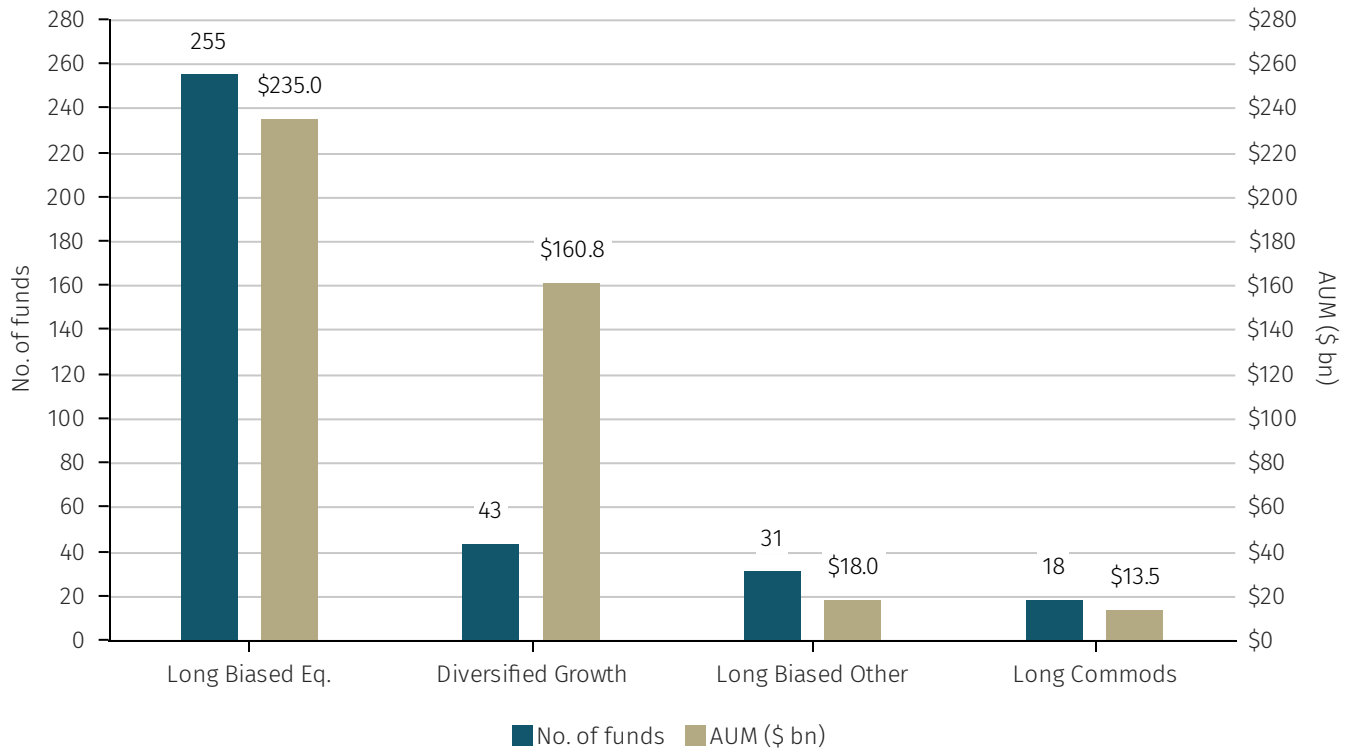


10th – 90th PERCENTILE 12M ROLLING PERFORMANCE SPREAD - SUB STRATEGY VS MASTER STRATEGY

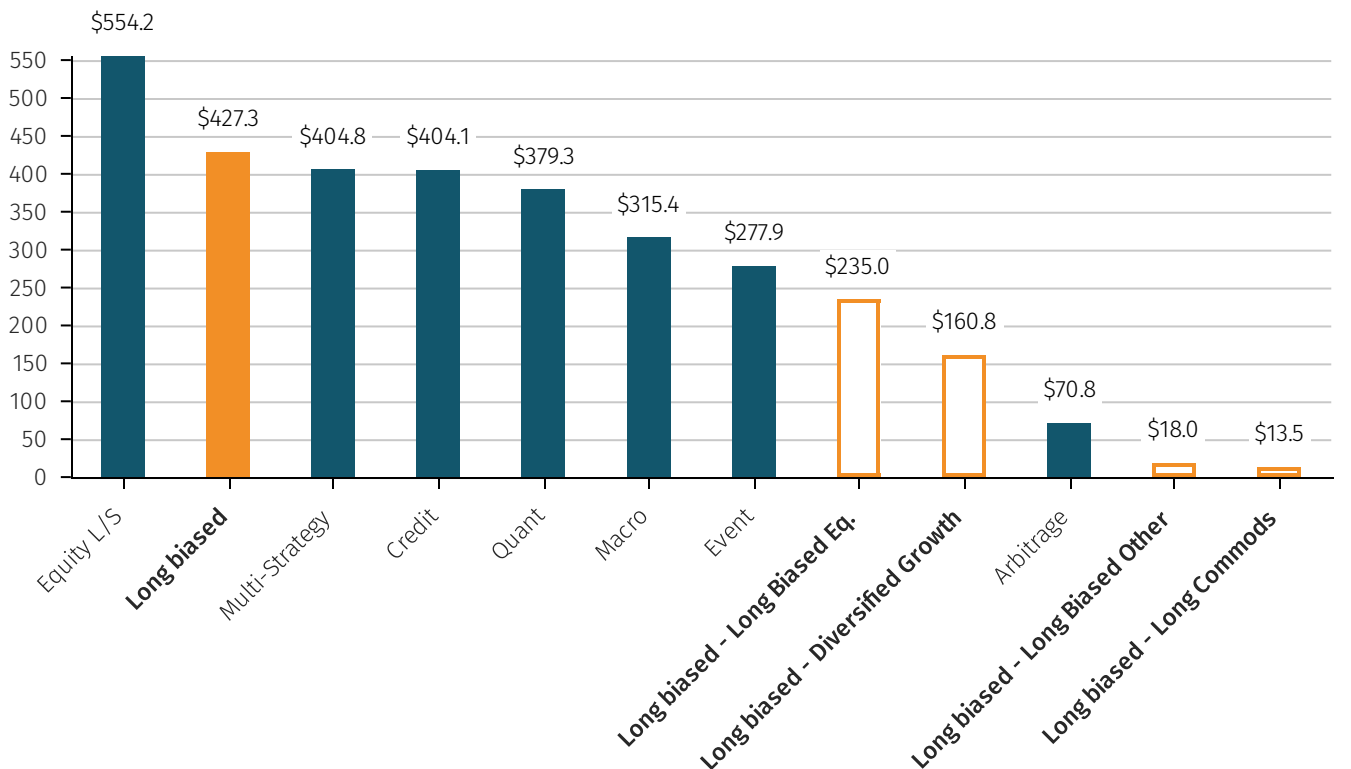


Assets, flows and fees

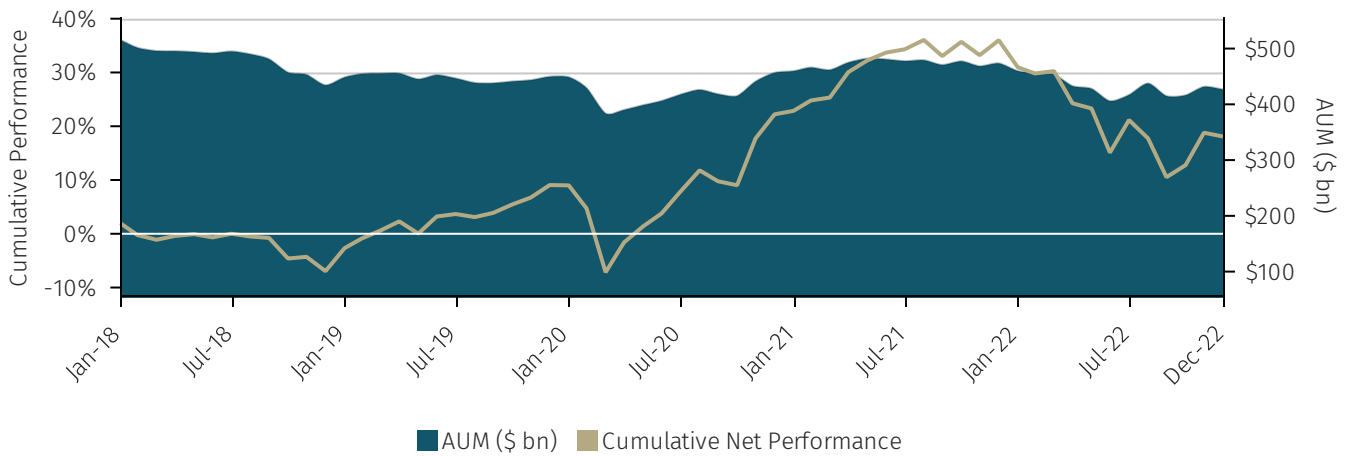
NUMBER OF FUNDS AND AUM BY SUB-STRATEGY



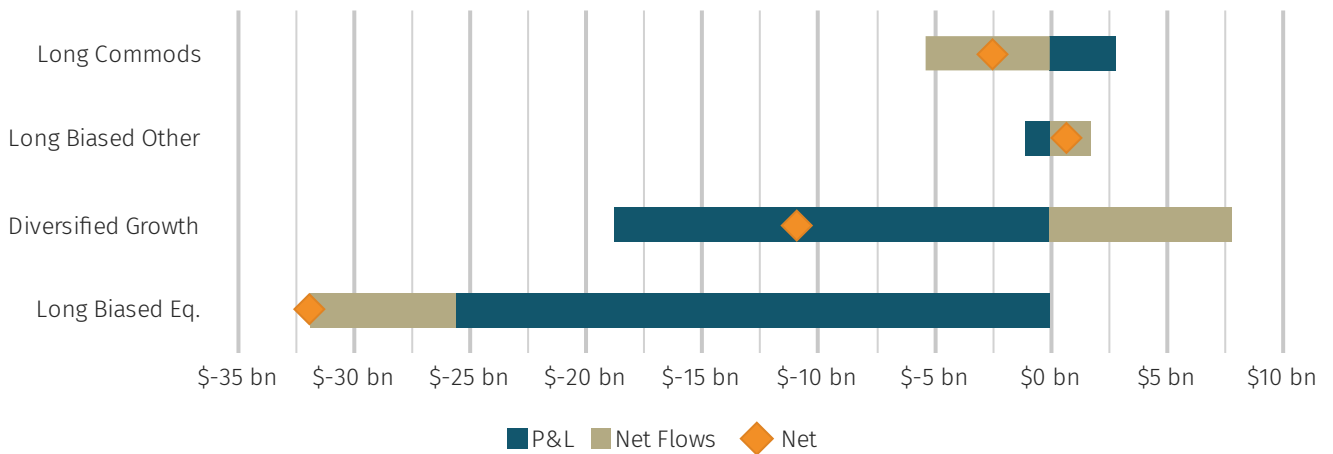
CURRENT AUM OF MASTER STRATEGY (\$ BN)



MASTER STRATEGY ASSETS (5 YR)*



12-MONTH CHANGE IN AUM BY SUB-STRATEGY



TERMS AND CONDITIONS

	Median redemption notice (days)	Median redemption frequency	Weighted avg. redemption total (days) ¹	Weighted avg. management fee	Weighted avg. performance fee
Long biased	30	Monthly	82	0.86%	10.49%

¹Weighted Avg. Redemption Total (Days) is the weighted average of both redemptions notice days and redemption frequency days.

Definitions

Long biased

Long only or overwhelmingly long-biased strategies. Covers multiple asset classes.

Bond and equity indices

The S&P Global BMI and S&P Global Developed Aggregate Ex Collateralized Bond (USD) Total Return Index (the “S&P Indices”) are products of S&P Dow Jones Indices LLC, its affiliates and/or their licensors and has been licensed for use by Aurum Research Limited. Copyright © 2021 S&P Dow Jones Indices LLC, its affiliates and/or their licensors. All rights reserved. Redistribution or reproduction in whole or in part are prohibited without written permission of S&P Dow Jones Indices LLC. For more information on any of S&P Dow Jones Indices LLC’s indices please visit www.spdji.com. S&P® is a registered trademark of Standard & Poor’s Financial Services LLC and Dow Jones® is a registered trademark of Dow Jones Trademark Holdings LLC. Neither S&P Dow Jones Indices LLC, Dow Jones Trademark Holdings LLC, their affiliates nor their third party licensors make any representation or warranty, express or implied, as to the ability of any index to accurately represent the asset class or market sector that it purports to represent and neither S&P Dow Jones Indices LLC, Dow Jones Trademark Holdings LLC, their affiliates nor their third party licensors shall have any liability for any errors, omissions, or interruptions of any index or the data included therein.

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Note regarding decomposition returns

Please note that the charts and figures which reference the decomposition of dollar performance into alpha, beta and risk free components only use data from January 2013, unlike other charts and figures which use data for the full 10 year period, namely August 2012. This variance in time period used to present data is due to there being insufficient data to accurately construct a decomposition for the period of August 2012 to December 2012.

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References to Aurum Hedge Fund Data Engine refer to Aurum's proprietary Hedge Fund Data Engine database maintained by Aurum Research Limited ("ARL") containing data on around 3,500 active hedge funds representing around \$3 trillion of assets as at December 2022. Information in the database is derived from multiple sources including Aurum's own research, regulatory filings, public registers and other database providers. Performance in the charts using Aurum Hedge Fund Data Engine data are asset weighted unless otherwise stated.

An investment in a hedge fund should be considered a speculative investment. Past performance is no guarantee of future returns.

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