



The Pharmaceutical KnowledgeBase

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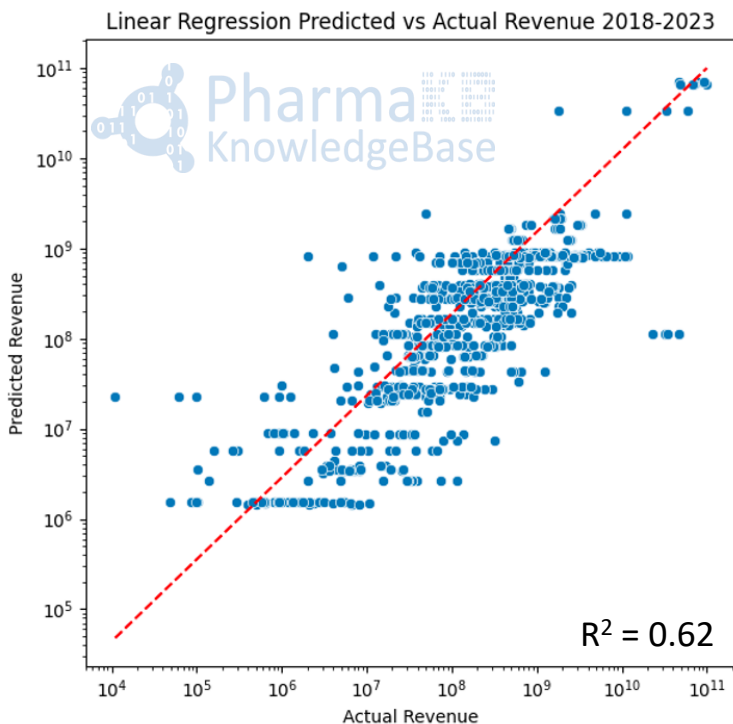
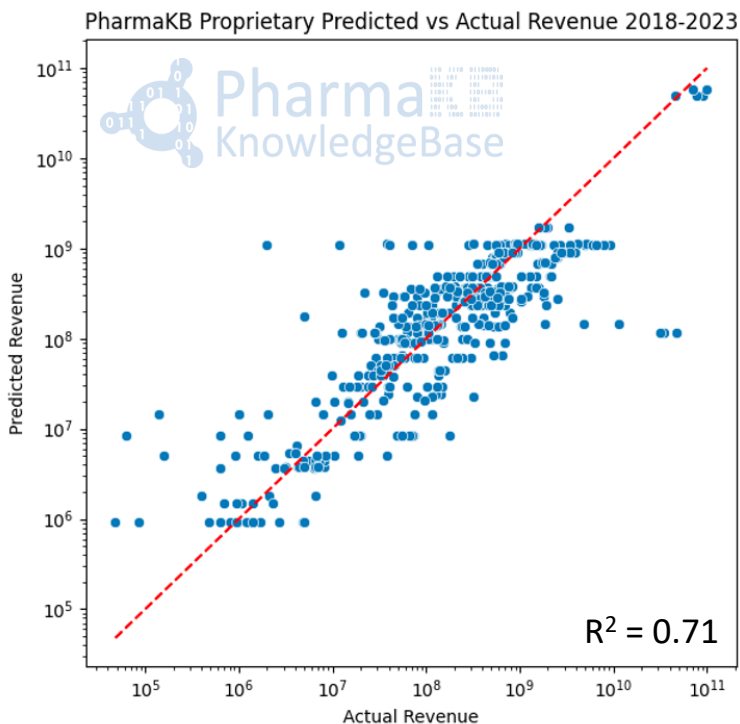
[info@pharmakb.com](mailto:info@pharmakb.com)

## PharmaKB Alpha Signals

Gain an investment edge.

### Model #1 - Improved Drug Revenue Prediction

PharmaKB data is used to build an improved model for predicting drug revenues.\*



\* Results are modeled on retrospective data and may vary in any future models.



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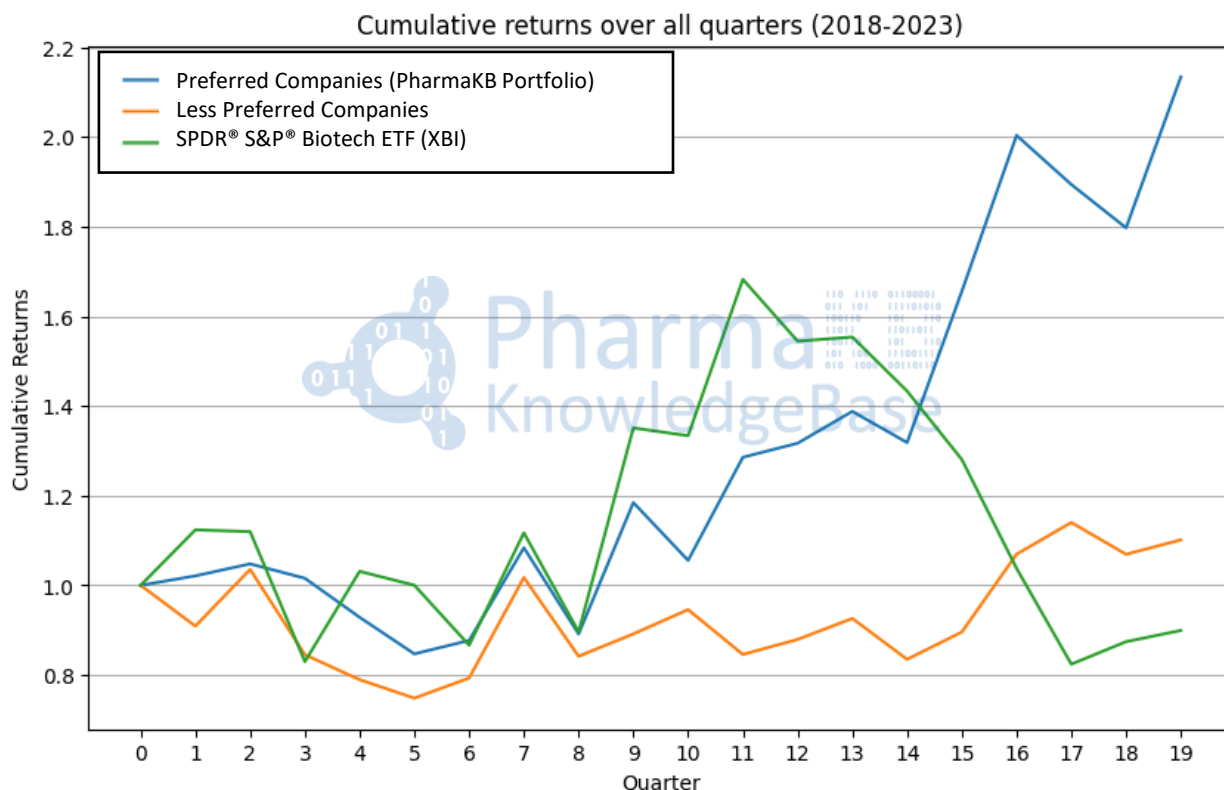
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## PharmaKB Alpha Signals

Gain an investment edge.

### Signal #2 - Portfolio Building with Alternative Drug Data

Alternative drug data provides a signal to build a biotech portfolio with higher performing cumulative revenues than less preferred companies and a Biotech ETF (XBI).\*



\* Results are based on retrospective data and may vary in any future trades.



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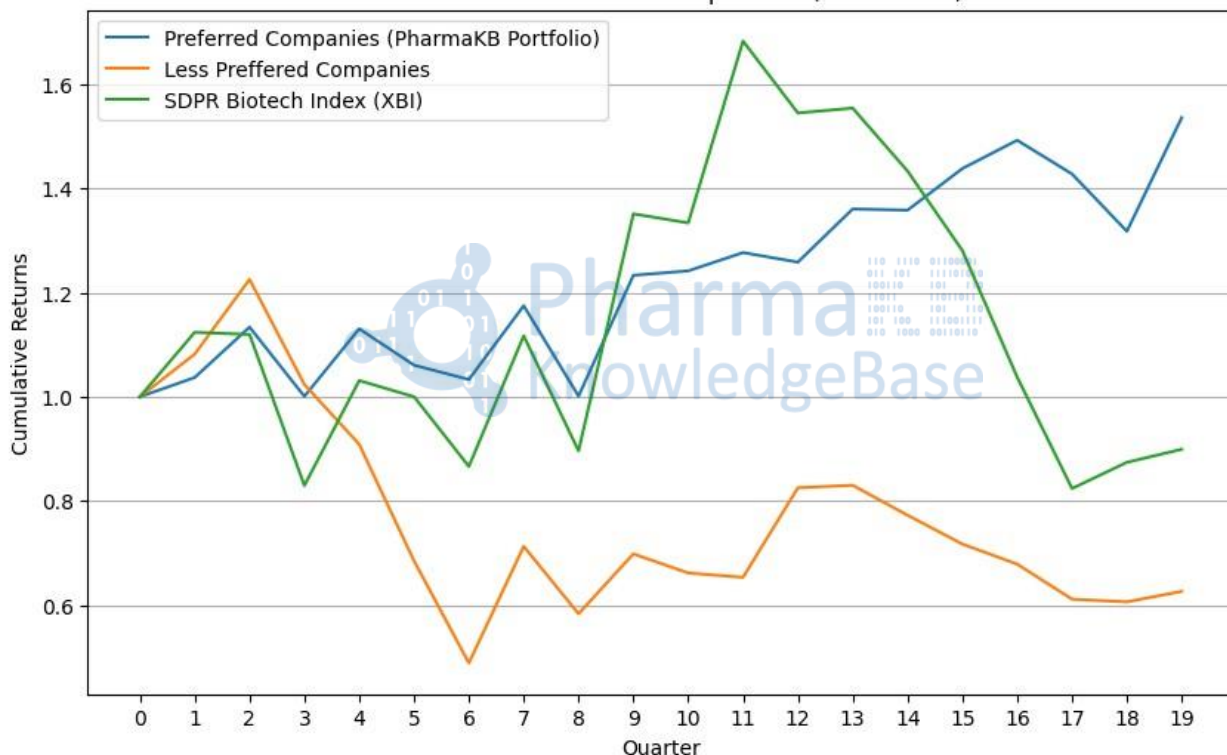
## PharmaKB Alpha Signals

Gain an investment edge.

### Signal #3 - Portfolio Building with Alternative Drug Data

Alternative drug data provides a signal to build a biotech portfolio with higher performing cumulative revenues than less preferred companies and a Biotech ETF (XBI).\*

Cumulative returns over all quarters (2018-2023)



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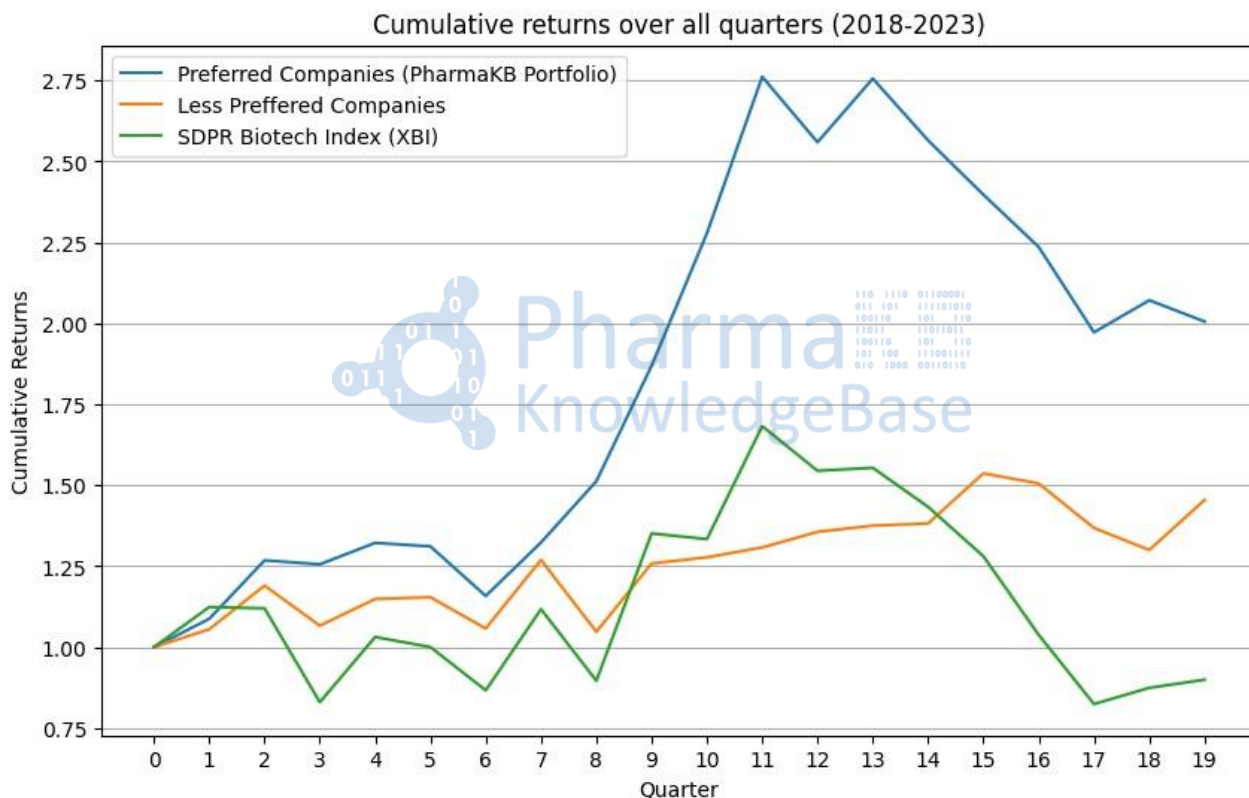
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## PharmaKB Alpha Signals

Gain an investment edge.

### Signal #4 - Portfolio Building with Alternative Drug Data

Alternative drug data provides a signal to build a biotech portfolio with higher performing cumulative revenues than less preferred companies and a Biotech ETF (XBI).\*



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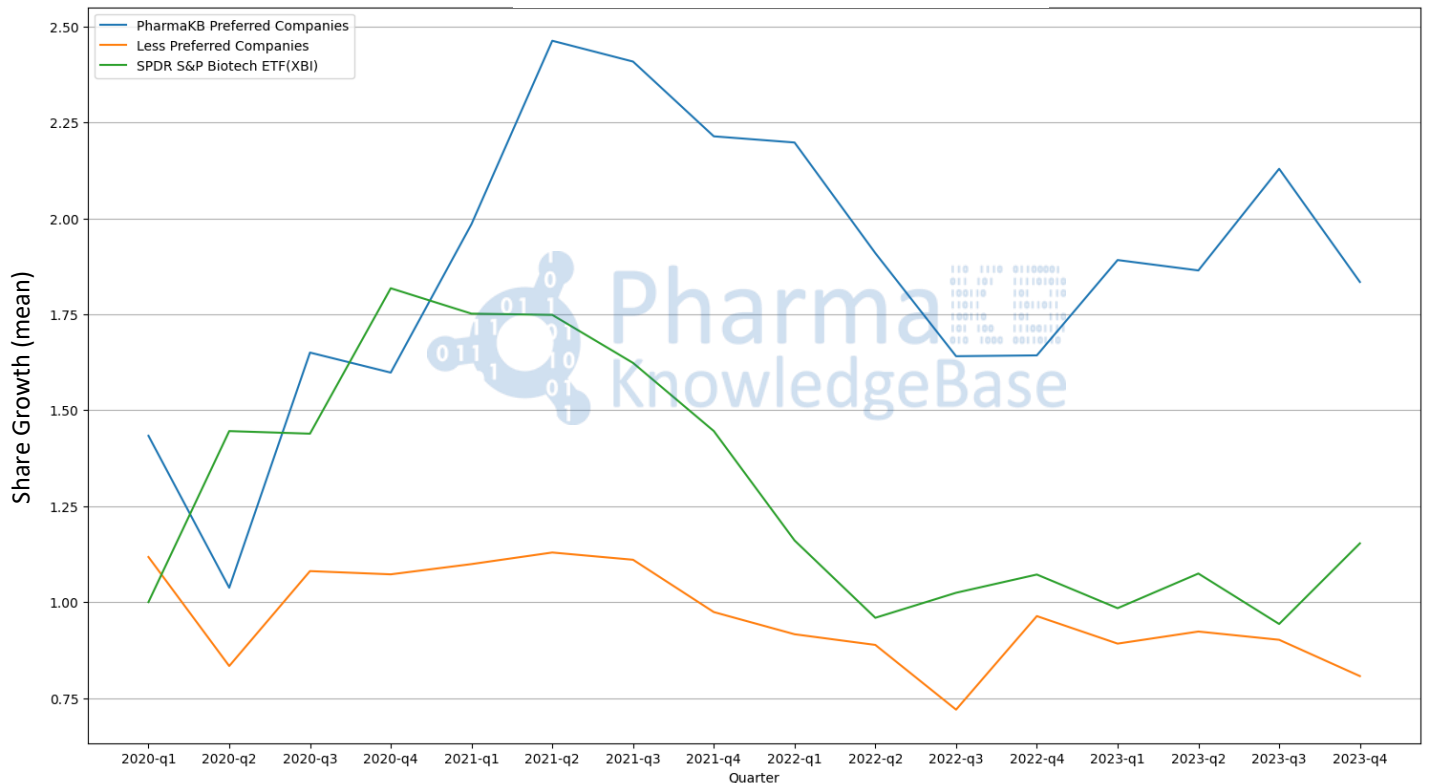
## PharmaKB Alpha Signals

Gain an investment edge.

### Signal #5 - Predicting Competitor Market Shares

Alternative drug data provides a signal to build a biotech portfolio to select companies with higher predicted share growth than less preferred companies and a Biotech ETF (XBI).\*

Mean Share Growth per Quarter (2020-2023)



\* Results are based on retrospective data and may vary in any future trades.



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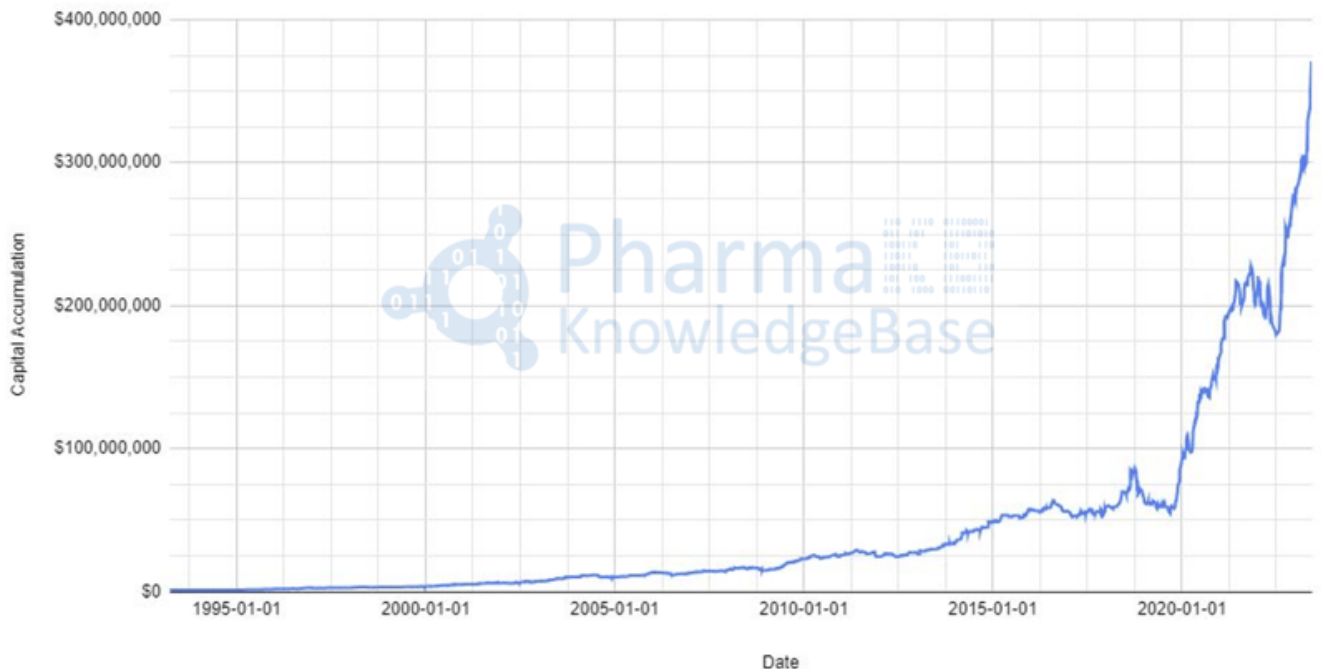
## PharmaKB Alpha Signals

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### Signal #6 - Trading Drug Regulatory Signals

Model for trading drug regulatory event signals generates \$350 million in capital accumulation, starting from a \$1 million investment over 30 years.\*

Capital Accumulation Beginning from a \$1 Million Investment



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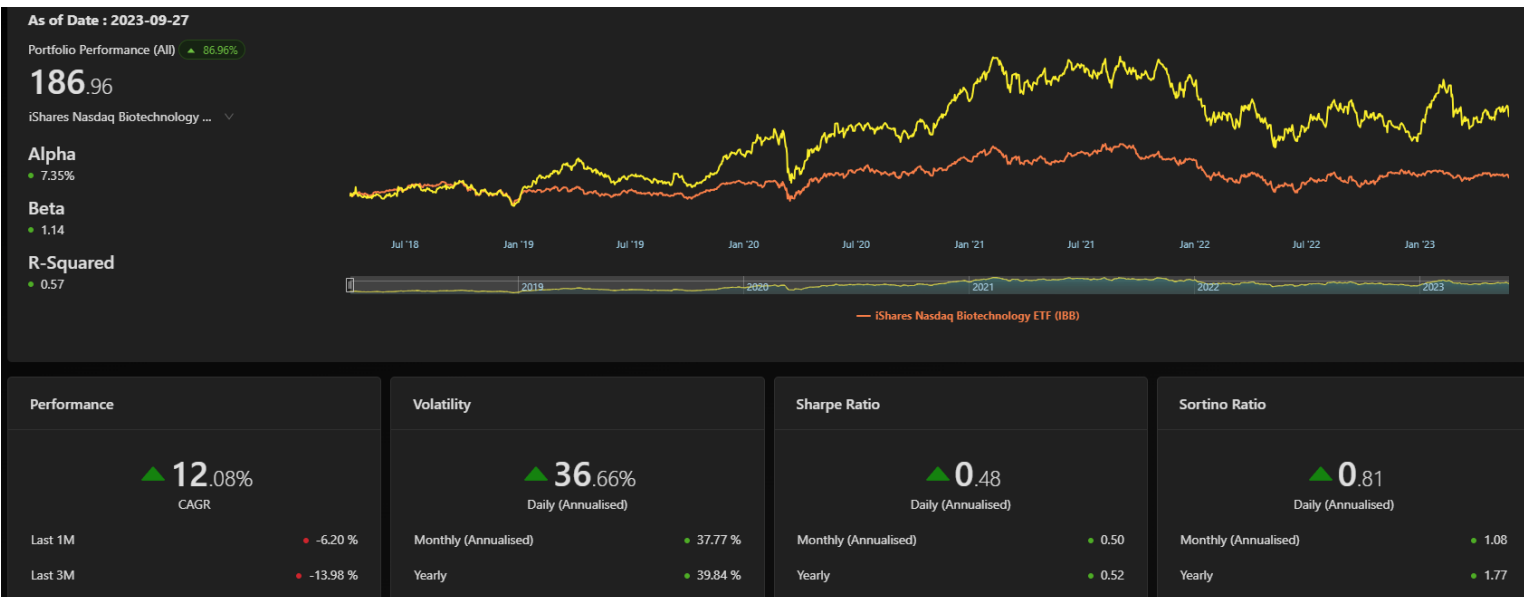
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## PharmaKB Alpha Signals

Gain an investment edge.

### Signal #7 – Created by AltHub (3<sup>rd</sup> Party) using PharmaKB

[AltHub](#) (3rd Party) uses PharmaKB signal to build a biotech portfolio (yellow) with higher returns than a IBB Biotech ETF (orange).\*



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