

# ALL LIPPER INDEX COMPONENTS

12/30/2017

Index Name Full Fund Name

Nasdaq Symbol

## Open-End

### US Diversified Equity

#### Lipper Alternative Event Driven Funds Index

Advisors Series Trust: Kellner Merger Fund; Institutional Class Shares	GAKIX
AQR Funds: AQR Diversified Arbitrage Fund; Class I Shares	ADAIX
Arbitrage Funds: Arbitrage Fund; Class I Shares	ARBFX
Driehaus Mutual Funds: Driehaus Event Driven Fund	DEVFX
Fidelity Commonwealth Trust: Fidelity Event Driven Opportunities Fund	FARFX
Gabelli Investor Funds, Inc: Gabelli ABC Fund; Advisor Class Shares	GADFX
Investment Managers Series Trust II: Vivaldi Merger Arbitrage Fund; Class I Shares	VARFX
Merger Fund; Investor Class Shares	MERFX
Touchstone Funds Group Trust: Touchstone Arbitrage Fund; Class Y Shares	TMAFX
Westchester Capital Funds: WCM Alternatives: Event-Driven Fund; Institutional Class Shares	WCEIX

**Lipper Alternative Global Macro Funds Index**

AB Bond Fund, Inc: AB All Market Real Return Portfolio; Class 1 Shares	AMTOX
Advantage Funds, Inc: Dreyfus Dynamic Total Return Fund; Class Y Shares	AVGYX
Advisors' Inner Circle Fund: Cornerstone Advisors Public Alternatives Fund; Institutional Class Shares	CAALX
AIM Investment Funds (Invesco Investment Funds) : Invesco Balanced-Risk Allocation Fund; Class A Shares	ABRZX
Allianz Funds Multi-Strategy Trust: AllianzGI Global Allocation Fund; Class R6 Shares	AGASX
AQR Funds: AQR Risk Parity Fund; Class I Shares	AQRIX
BlackRock Funds: BlackRock Tactical Opportunities Fund; Investor A Shares	PCBAX
Columbia Funds Series Trust I: Columbia Adaptive Risk Allocation Fund; Class T Shares	CRAWX
Columbia Funds Series Trust II: Columbia Global Opportunities Fund; Class A Shares	IMRFX
Eaton Vance Mutual Funds Trust: Eaton Vance Global Macro Absolute Return Advantage Fund; Class I Shares	EGRIX
Eaton Vance Mutual Funds Trust: Eaton Vance Global Macro Absolute Return Fund; Class I Shares	EIGMX
GMO Trust: Benchmark-Free Allocation Fund; Class III Shares	GBMFX
GMO Trust: GMO Special Opportunities Fund; Class VI Shares	GSOFX
GMO Trust: GMO Strategic Opportunities Allocation Fund; Class III Shares	GBATX
Ivy Funds: Ivy Asset Strategy Fund; Class C Shares	WASCX
Legg Mason Global Asset Management Trust: BrandywineGLOBAL - Global Unconstrained Bond Fund; Class I Shares	BRIOX
MFS Series Trust XV: MFS Global Alternative Strategy Fund; Class I Shares	DVRIX
Oppenheimer Quest For Value Funds: Oppenheimer Fundamental Alternatives Fund; Class A Shares	QVOPX
Oppenheimer Quest For Value Funds: Oppenheimer Global Allocation Fund; Class A Shares	QVGIX
PIMCO Funds: PIMCO All Asset All Authority Fund; Institutional Class Shares	PAUIX
PIMCO Funds: PIMCO All Asset Fund; Institutional Class Shares	PAAIX
PIMCO Funds: PIMCO Global Multi-Asset Fund; Institutional Class Shares	PGAIX
PIMCO Funds: PIMCO Unconstrained Bond Fund; Institutional Class Shares	PFIUX
Pioneer Series Trust VI: Pioneer Flexible Opportunities Fund; Class Y Shares	PMYRX
RiverNorth Funds: RiverNorth Core Opportunity Fund; Class R Shares	RNCOX
SEI Institutional Investments Trust: Multi-Asset Real Return Fund; Class A Shares	SEIAX
Trust for Professional Managers: Marketfield Fund; Class I Shares	MFLDX
Two Roads Shared Trust: LJM Preservation and Growth Fund; Class I Shares	LJMIX
Wells Fargo Funds Trust: Wells Fargo Absolute Return Fund; Institutional Class Shares	WABIX
William Blair Funds: Macro Allocation Fund; Class I Shares	WMCIX

**Lipper Alternative Long/Short Equity Funds Index**

AB Cap Fund, Inc: AB Select US Long/Short Portfolio; Advisor Class Shares	ASYLX
AQR Funds: AQR Long-Short Equity Fund; Class I Shares	QLEIX
BlackRock Funds: BlackRock Global Long/Short Equity Fund; Institutional Class Shares	BDMIX
Diamond Hill Funds: Diamond Hill Long-Short Fund; Class I Shares	DHLSX
Dreyfus BNY Mellon Funds, Inc: Dreyfus Select Managers Long/Short Fund; Class Y Shares	DBNYX
Dunham Funds: Dunham Monthly Distribution Fund; Class N Shares	DNMDX
FundVantage Trust: Gotham Enhanced Return Fund; Institutional Class Shares	GENIX
Glenmede Fund, Inc: Long/Short Portfolio	GTAPX
Glenmede Fund, Inc: Secured Options Portfolio; Advisor Class Shares	GTSOX
Highland Funds I: Highland Long/Short Equity Fund; Class Z Shares	HEOZX
Hussman Investment Trust: Hussman Strategic Growth Fund	HSGFX
Investment Managers Series Trust: 361 Global Long/Short Equity Fund; Class I Shares	AGAZX
John Hancock Investment Trust: John Hancock Seaport Fund; Class I Shares	JSFDX
JPMorgan Trust I: JPMorgan Hedged Equity Fund; Class I Shares	JHEQX
JPMorgan Trust I: JPMorgan Opportunistic Equity Long/Short Fund; Class I Shares	JOEQX
Mutual Fund Series Trust: Catalyst/Millburn Hedge Strategy Fund; Class I Shares	MBXIX
Neuberger Berman Alternative Funds: Neuberger Berman Long Short Fund; Institutional Class Shares	NLSIX
Northern Lights Fund Trust II: Balter L/S Small Cap Equity Fund; Institutional Class Shares	BEQIX
PIMCO Equity Series: PIMCO EqS Long/Short Fund; Class P Shares	PMHBX
PIMCO Funds: PIMCO RAE Worldwide Long/Short PLUS Fund; Institutional Class Shares	PWLIX
Principal Funds, Inc: Multi-Manager Equity Long/Short Fund; Class R6 Shares	PGPMX
Professionally Managed Portfolios: Otter Creek Long/Short Opportunity Fund; Institutional Class Shares	OTTRX
Prudential Investment Portfolios 12: Prudential QMA Long-Short Equity Fund; Class Z Shares	PLHZX
RBB Fund, Inc: Boston Partners Global Long/Short Fund; Institutional Class Shares	BGLSX
RBB Fund, Inc: Boston Partners Long/Short Equity Fund; Institutional Class Shares	BPLSX
RBB Fund, Inc: Boston Partners Long/Short Research Fund; Institutional Class Shares	BPIRX
RMB Investors Trust: RMB Mendon Financial Long/Short Fund; Class A Shares	RMBFX
Schwab Capital Trust: Schwab Hedged Equity Fund	SWHEX
Voya Mutual Funds: Voya CBRE Long/Short Fund; Class I Shares	VCRSX
Wasatch Funds Trust: Wasatch Long/Short Fund; Investor Class Shares	FMLSX

**Lipper Alternative Managed Futures Funds Index**

American Beacon Funds: American Beacon AHL Managed Futures Strategy Fund; Investor Class Shares	AHLPX
AQR Funds: AQR Managed Futures Strategy Fund; Class I Shares	AQMIX
AQR Funds: AQR Managed Futures Strategy HV Fund; Class I Shares	QMHIX
Arrow Investments Trust: Arrow Managed Futures Strategy Fund; Institutional Class Shares	MFTNX
Credit Suisse Opportunity Funds: Credit Suisse Managed Futures Strategy Fund; Class I Shares	CSAIX
Equinox Funds Trust: Equinox Campbell Strategy Fund; Class I Shares	EBSIX
Equinox Funds Trust: Equinox Chesapeake Strategy Fund; Class I Shares	EQCHX
Equinox Funds Trust: Equinox IPM Systematic Macro Fund; Class I Shares	EQIPX
Equinox Funds Trust: Equinox Systematica Macro Fund; Class I Shares	EBCIX
Financial Investors Trust: Aspen Managed Futures Strategy Fund; Class I Shares	MFBTX
GMO Trust: GMO SGM Major Markets Fund; Class VI Shares	GSMHX
Goldman Sachs Trust: Goldman Sachs Managed Futures Strategy Fund; Institutional Class Shares	GMSSX
Investment Managers Series Trust: 361 Global Managed Futures Strategy Fund; Class I Shares	AGFZX
Investment Managers Series Trust: 361 Managed Futures Strategy Fund; Class I Shares	AMFZX
LoCorr Investment Trust: LoCorr Macro Strategies Fund; Class A Shares	LFMAX
LoCorr Investment Trust: LoCorr Market Trend Fund; Class I Shares	LOTIX
Mutual Fund Series Trust: Catalyst Hedged Commodity Strategy Fund; Class I Shares	CFHIX
Mutual Fund Series Trust: Catalyst Hedged Futures Strategy Fund; Class I Shares	HFXIX
Mutual Fund Series Trust: Catalyst Multi-Strategy Fund; Class I Shares	ACXIX
Natixis Funds Trust II: ASG Managed Futures Strategy Fund; Class Y Shares	ASFYX
Northern Lights Fund Trust II: Longboard Managed Futures Strategy Fund; Class I Shares	WAVIX
Northern Lights Fund Trust II: SFG Futures Strategy Fund; Class I Shares	EFSIX
Northern Lights Fund Trust: Altegris Futures Evolution Strategy Fund; Class I Shares	EVOIX
Northern Lights Fund Trust: Altegris Managed Futures Strategy Fund; Class I Shares	MFTIX
Northern Lights Fund Trust: Equinox MutualHedge Futures Strategy Fund; Class I Shares	MHFIX
PIMCO Funds: PIMCO TRENDS Managed Futures Strategy Fund; Institutional Class Shares	PQTIX
RBB Fund, Inc: Abbey Capital Futures Strategy Fund; Class I Shares	ABYIX
Rydex Series Funds: Managed Futures Strategy Fund; Class P Shares	RYMFX
Salient MF Trust: Salient Trend Fund; Class I Shares	SPTIX
Steben Alternative Investment Funds: Steben Managed Futures Strategy Fund; Class I Shares	SKLIX

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**Lipper Dedicated Short Bias Funds Index**

Direxion Funds: Direxion Monthly S&P 500 Bear 2x Fund; Investor Class Shares	DXSSX
Direxion Funds: Direxion Monthly Small Cap Bear 2x Fund; Investor Class Shares	DXRSX
Leuthold Funds, Inc: Grizzly Short Fund	GRZZX
Mutual Fund Series Trust: Catalyst Time Value Trading Fund; Class I Shares	TVTIX
PIMCO Funds: PIMCO StocksPLUS Short Fund; Institutional Class Shares	PSTIX
ProFunds: Bear ProFund; Investor Shares	BRPIX
ProFunds: Rising Rates Opportunity 10 ProFund; Investor Class Shares	RTPIX
ProFunds: Rising Rates Opportunity ProFund; Investor Class Shares	RRPIX
ProFunds: Short NASDAQ-100 ProFund; Investor Class Shares	SOPIX
ProFunds: Short Oil & Gas ProFund; Investor Shares	SNPIX
ProFunds: Short Precious Metals ProFund; Investor Shares	SPPIX
ProFunds: Short Real Estate ProFund; Investor Shares	SRPIX
ProFunds: Short Small-Cap ProFund; Investor Class Shares	SHPIX
ProFunds: UltraBear ProFund; Investor Shares	URPIX
ProFunds: UltraShort China ProFund; Investor Class Shares	UHPIX
ProFunds: UltraShort Dow 30 ProFund; Investor Class Shares	UWPIX
ProFunds: UltraShort Emerging Markets ProFund; Investor Class Shares	UVPIX
ProFunds: UltraShort International ProFund; Investor Class Shares	UXPIX
ProFunds: UltraShort Japan ProFund; Investor Class Shares	UKPIX
ProFunds: UltraShort Latin America ProFund; Investor Class	UFPIX
ProFunds: UltraShort Mid-Cap ProFund; Investor Class	UIPIX
ProFunds: UltraShort NASDAQ-100 ProFund; Investor Shares	USPIX
ProFunds: UltraShort Small-Cap ProFund; Investor Class	UCPIX
Rydex Dynamic Funds: Inverse Dow 2x Strategy Fund; H-Class Shares	RYCWX
Rydex Dynamic Funds: Inverse NASDAQ-100 2x Strategy Fund; H-Class Shares	RYVNX
Rydex Dynamic Funds: Inverse Russell 2000 2x Strategy Fund; H-Class Shares	RYIRX
Rydex Dynamic Funds: Inverse S&P 500 2x Strategy Fund; H-Class Shares	RYTPX
Rydex Series Funds: Inverse NASDAQ-100 Strategy Fund; Investor Class Shares	RYAIX
Rydex Series Funds: Inverse Russell 2000 Strategy Fund; H-Class Shares	RYSHX
Rydex Series Funds: Inverse S&P 500 Strategy Fund; Investor Class Shares	RYURX

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**Lipper Diversified Leveraged Funds Index**

Direxion Funds: Direxion Monthly NASDAQ-100 Bull 2x Fund; Investor Class Shares	DXQLX
Direxion Funds: Direxion Monthly S&P 500 Bull 2x Fund; Investor Class Shares	DXSLX
Direxion Funds: Direxion Monthly Small Cap Bull 2x Fund; Investor Class Shares	DXRLX
ProFunds: Banks UltraSector ProFund; Investor Shares	BKPIX
ProFunds: Basic Materials UltraSector ProFund; Investor Shares	BMPIX
ProFunds: Biotechnology UltraSector ProFund; Investor Shares	BIPIX
ProFunds: Consumer Services UltraSector ProFund; Investor Shares	CYPIX
ProFunds: Financials UltraSector ProFund; Investor Shares	FNPIX
ProFunds: Industrials UltraSector ProFund; Investor Shares	IDPIX
ProFunds: Internet UltraSector ProFund; Investor Shares	INPIX
ProFunds: Oil Equipment, Services & Distribution UltraSector ProFund; Investor Class Shares	OEPIX
ProFunds: Precious Metals UltraSector ProFund; Investor Shares	PMPIX
ProFunds: ProFund Oil & Gas UltraSector ProFund; Investor Shares	ENPIX
ProFunds: Semiconductor UltraSector ProFund; Investor Shares	SMPIX
ProFunds: Technology UltraSector ProFund; Investor Shares	TEPIX
ProFunds: UltraBull ProFund; Investor Shares	ULPIX
ProFunds: UltraDow 30 ProFund; Investor Class Shares	UDPIX
ProFunds: UltraJapan ProFund; Investor Class	UJPIX
ProFunds: UltraLatin America ProFund; Investor Class	UBPIX
ProFunds: UltraMid-Cap ProFund; Investor Class	UMPIX
ProFunds: UltraNASDAQ-100 ProFund; Investor Shares	UOPIX
ProFunds: UltraSmall-Cap ProFund; Investor Class	UAPIX
Rydex Dynamic Funds: Dow 2x Strategy Fund; H-Class Shares	RYCVX
Rydex Dynamic Funds: NASDAQ-100 2x Strategy Fund; H-Class Shares	RYVYX
Rydex Dynamic Funds: Russell 2000 2x Strategy Fund; H-Class Shares	RYRSX
Rydex Dynamic Funds: S&P 500 2x Strategy Fund; H-Class Shares	RYTNX
Rydex Series Funds: Mid-Cap 1.5x Strategy Fund; H-Class Shares	RYMDX
Rydex Series Funds: Monthly Rebalance NASDAQ-100 2x Strategy Fund; H-Class Shares	RMQHX
Rydex Series Funds: Nova Fund; Investor Shares	RYNVX
Rydex Series Funds: Russell 2000 1.5x Strategy Fund; H-Class Shares	RYMKX

**Index Name Full Fund Name****Nasdaq Symbol****Lipper Equity Income Funds Index**

AIM Equity Funds (Invesco Equity Funds): Invesco Diversified Dividend Fund; Class A Shares	LCEAX
Allianz Funds: AllianzGI NFJ Dividend Value Fund; Institutional Class Shares	NFJEX
American Century Capital Portfolios, Inc: Equity Income Fund; Investor Class Shares	TWEIX
BlackRock Equity Dividend Fund; Institutional Shares	MADVX
Columbia Funds Series Trust I: Columbia Dividend Income Fund; Institutional Class Shares	GSFTX
Columbia Funds Series Trust II: Columbia Dividend Opportunity Fund; Class A Shares	INUTX
Federated Equity Funds: Federated Strategic Value Dividend Fund; Institutional Shares	SVAIX
Fidelity Devonshire Trust: Fidelity Advisor Series Equity-Value Fund	FLMLX
Fidelity Devonshire Trust: Fidelity Equity-Income Fund	FEQIX
Fidelity Devonshire Trust: Fidelity Series Value Discovery Fund	FNKLX
Fidelity Financial Trust: Fidelity Equity Dividend Income Fund	FEQTX
Franklin Investors Securities Trust: Franklin Equity Income Fund; Class A Shares	FISEX
Goldman Sachs Trust: Goldman Sachs US Equity Dividend & Premium Fund; Institutional Shares	GSPKX
Hartford Mutual Funds, Inc: Hartford Dividend & Growth Fund; Class A Shares	IHGIX
Hartford Mutual Funds, Inc: Hartford Equity Income Fund; Class A Shares	HQIAX
JPMorgan Trust II: JPMorgan Equity Income Fund; Class I Shares	HLIEX
Legg Mason Partners Equity Trust: ClearBridge Dividend Strategy Fund; Class A Shares	SOPAX
Lord Abnett Affiliated Fund, Inc; Class A Shares	LAFFX
Lord Abnett Research Fund, Inc: Lord Abnett Calibrated Dividend Growth Fund; Class A Shares	LAMAX
Nuveen Investment Trust II: Nuveen Santa Barbara Dividend Growth Fund; Class I Shares	NSBRX
Oppenheimer Equity Income Fund, Inc; Class A Shares	OAEIX
Parnassus Income Funds: Parnassus Core Equity Fund; Investor Shares	PRBLX
Principal Funds, Inc: Equity Income Fund; Institutional Class Shares	PEIIX
Principal Funds, Inc: Small-MidCap Dividend Income Fund; Institutional Share Class	PMDIX
Putnam Equity Income Fund; Class A Shares	PEYAX
Schwab Capital Trust: Schwab Dividend Equity Fund	SWDSX
T Rowe Price Equity Income Fund	PRFDX
USAA Mutual Funds Trust: Income Stock Fund; Fund Class Shares	USISX
Vanguard Fenway Funds: Vanguard Equity Income Fund; Admiral Shares	VEIRX
Vanguard Specialized Funds: Vanguard Dividend Growth Fund; Investor Shares	VDIGX

**Index Name Full Fund Name****Nasdaq Symbol****Lipper Large-Cap Core Funds Index**

American Funds Fundamental Investors; Class A Shares	ANCFX
American Mutual Fund; Class A Shares	AMRMX
AMG Funds: AMG Yacktman Fund; Class I Shares	YACKX
Columbia Funds Series Trust I: Columbia Contrarian Core Fund; Institutional Class Shares	SMGIX
Davis New York Venture Fund, Inc: Davis New York Venture Fund; Class A Shares	NYVTX
Fidelity Hastings Street Trust: Fidelity Fund	FFIDX
Fidelity Hastings Street Trust: Fidelity Series Growth & Income Fund	FGLGX
Fidelity Magellan Fund	FMAGX
Fidelity Rutland Square Trust II: Strategic Advisers Core Fund	FCSAX
Fidelity Salem Street Trust: Fidelity SAI US Large Cap Index Fund	FLCPX
Fidelity Securities Fund: Fidelity Dividend Growth Fund	FDGFX
Fidelity Securities Fund: Fidelity Growth & Income Portfolio	FGRIX
FMI Funds, Inc: FMI Large Cap Fund; Investor Class Share	FMIHX
GE RSP Program Funds: GE RSP US Equity Fund	CESSX
Investment Company of America; Class A Shares	AIVSX
JPMorgan Trust I: JPMorgan US Equity Fund; Class R6 Shares	JUEMX
JPMorgan Trust I: JPMorgan US Research Enhanced Equity Fund; Class R6 Shares	JDEUX
Legg Mason Partners Equity Trust: ClearBridge Appreciation Fund; Class A Shares	SHAPX
Oppenheimer Main Street Funds, Inc: Oppenheimer Main Street Fund; Class A Shares	MSIGX
Pioneer Fund; Class A Shares	PIODX
PRIMECAP Odyssey Funds: PRIMECAP Odyssey Stock Fund	POSKX
Schwab Investments: Schwab 1000 Index Fund	SNXFX
SEI Institutional Investments Trust: Large Cap Disciplined Equity Fund; Class A Shares	SCPAX
State Farm Associates' Funds Trust: State Farm Growth Fund	STFGX
T Rowe Price Dividend Growth Fund, Inc	PRDGX
Vanguard Chester Funds: Vanguard PRIMECAP Fund; Admiral Shares	VPMAX
Vanguard Fenway Funds: Vanguard PrimeCap Core Fund; Investor Shares	VPCCX
Vanguard Index Funds: Vanguard Large-Cap Index Fund; Admiral Shares	VLCAX
Vanguard Quantitative Funds: Vanguard Growth & Income Fund; Admiral Shares	VGIAX
Washington Mutual Investors Fund; Class A Shares	AWSHX



**Lipper Large-Cap Growth Funds Index**

Advisors' Inner Circle Fund: Edgewood Growth Fund; Institutional Class Shares	EGFIX
AIM Counselor Series Trust (Invesco Counselor Series Trust): Invesco American Franchise Fund; Class A Shares	VAFAX
Alger Institutional Funds: Alger Capital Appreciation Institutional Fund; Class I Shares	ALARX
American Century Mutual Funds, Inc: Growth Fund; Investor Class Shares	TWCGX
American Century Mutual Funds, Inc: Ultra Fund; Investor Class Shares	TWCUX
Bridge Builder Trust: Bridge Builder Large Cap Growth Fund	BBGLX
Delaware Group Adviser Funds: Delaware US Growth Fund; Institutional Class Shares	DEUIX
Elfun Funds: Elfun Trusts	ELFNX
Fidelity Contrafund	FCNTX
Fidelity Rutland Square Trust II: Strategic Advisers Growth Fund	FSGFX
Fidelity Salem Street Trust: Fidelity SAI US Quality Index Fund	FUQIX
Fidelity Securities Fund: Fidelity Blue Chip Growth Fund	FBGRX
Growth Fund of America; Class A Shares	AGTHX
Harbor Funds: Harbor Capital Appreciation Fund; Institutional Class Shares	HACAX
JPMorgan Trust II: JPMorgan Large Cap Growth Fund; Class I Shares	SEEGX
Legg Mason Partners Equity Trust: ClearBridge Large Cap Growth Fund; Class I Shares	SBLYX
Loomis Sayles Funds II: Natixis Loomis Sayles Growth Fund; Class Y Shares	LSGRX
MainStay Funds: MainStay Large Cap Growth Fund; Class I Shares	MLAIX
Massachusetts Investors Growth Stock Fund; Class A Shares	MIGFX
MFS Series Trust II: MFS Growth Fund; Class A Shares	MFEGX
Oppenheimer Capital Appreciation Fund; Class A Shares	OPTFX
Pioneer Series Trust X: Pioneer Fundamental Growth Fund; Class Y Shares	FUNYX
Putnam Investment Funds: Putnam Growth Opportunities Fund; Class A Shares	POGAX
T Rowe Price Blue Chip Growth Fund, Inc	TRBCX
T Rowe Price Growth Stock Fund, Inc	PRGFX
T Rowe Price Institutional Equity Funds, Inc: T Rowe Price Institutional Large-Cap Growth Fund	TRLGX
TIAA-CREF Funds: Large-Cap Growth Fund; Institutional Class Shares	TILGX
TIAA-CREF Funds: Large-Cap Growth Index Fund; Institutional Class Shares	TILIX
Vanguard Index Funds: Vanguard Growth Index Fund; Admiral Class Shares	VIGAX
Vanguard World Funds: Vanguard US Growth Fund; Investor Shares	VWUSX

**Index Name Full Fund Name****Nasdaq Symbol****Lipper Large-Cap Value Funds Index**

AIM Counselor Series Trust (Invesco Counselor Series Trust): Invesco Growth & Income Fund; Class A Shares	ACGIX
AIM Sector Funds (Invesco Sector Funds): Invesco Comstock Fund; Class A Shares	ACSTX
American Beacon Funds: American Beacon Large Cap Value Fund; Institutional Class Shares	AADEX
American Century Capital Portfolios, Inc: NT Large Company Value Fund; Class G Shares	ACLLX
American Century Capital Portfolios, Inc: Value Fund; Investor Class Shares	TWVLX
American Century Quantitative Equity Funds, Inc: Income & Growth Fund; Investor Class Shares	BIGRX
Bridge Builder Trust: Bridge Builder Large Cap Value Fund	BBVLX
Columbia Funds Series Trust II: Columbia Diversified Equity Income Fund; Class A Shares	INDZX
Cullen Funds Trust: Cullen High Dividend Equity Fund; Class I Shares	CHDVX
Delaware Group Equity Funds II: Delaware Value Fund; Institutional Class Shares	DDVIX
DFA Investment Dimensions Group Inc: US Large Cap Value Portfolio; Institutional Class Shares	DFLVX
Dodge & Cox Funds: Dodge & Cox Stock Fund	DODGX
DoubleLine Funds Trust: DoubleLine Shiller Enhanced CAPE; Class I Shares	DSEEX
Eaton Vance Special Investment Trust: Eaton Vance Large-Cap Value Fund; Class I Shares	EILVX
Fidelity Devonshire Trust: Fidelity Advisor Series Stock Selector Large Cap Value Fund	FMMLX
Fidelity Rutland Square Trust II: Strategic Advisers Value Fund	FVSAX
Harris Associates Investment Trust: Oakmark Fund; Investor Class Shares	OAKMX
John Hancock Funds III: John Hancock Disciplined Value Fund; Class I Shares	JVLIX
Lord Abbett Securities Trust: Lord Abbett Fundamental Equity Fund; Class A Shares	LDFVX
MFS Series Trust I: MFS Value Fund; Class I Shares	MEIIX
Neuberger Berman Equity Funds: Neuberger Berman Large Cap Value Fund; Investor Class	NPRTX
Oppenheimer Series Fund, Inc: Oppenheimer Value Fund; Class I Shares	OGRIX
Principal Funds, Inc: LargeCap Value Fund III; Institutional Class Shares	PLVIX
Schwab Capital Trust: Schwab Fundamental US Large Company Index Fund	SFLNX
T Rowe Price Institutional Equity Funds, Inc: T Rowe Price Institutional Large-Cap Value Fund	TILCX
T Rowe Price Value Fund, Inc	TRVLX
Transamerica Funds: Transamerica Large Cap Value; Class I2 Shares	TWQZX
Vanguard Index Funds: Vanguard Value Index Fund; Admiral Shares	VVIAX
Vanguard Windsor Funds: Vanguard Windsor II Fund; Admiral Shares	VWNAX
Virtus Asset Trust: Virtus Ceredex Large-Cap Value Equity Fund; Class I Shares	STVTX

**Index Name Full Fund Name**

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**Lipper Mid-Cap Core Funds Index**

AIM Growth Series (Invesco Growth Series): Invesco Mid Cap Core Equity Fund; Class A Shares	GTAGX
Ariel Investment Trust: Ariel Fund; Investor Class Shares	ARGFX
BlackRock Funds: iShares Russell Mid-Cap Index Fund; Class K Shares	BRMKX
BNY Mellon Funds Trust: BNY Mellon Mid Cap Multi-Strategy Fund; Class M Shares	MPMCX
Carillon Series Trust: Carillon Scout Mid Cap Fund; Class I Shares	UMBMX
Columbia Funds Series Trust: Columbia Mid Cap Index Fund; Institutional Class Shares	NMPAX
Diamond Hill Funds: Diamond Hill Small-Mid Cap Fund; Class I Shares	DHMIX
Dreyfus Midcap Index Fund, Inc; Investor Class Shares	PESPX
Fidelity Advisor Series I: Fidelity Advisor Mid Cap II Fund; Class I Shares	FIIMX
Fidelity Commonwealth Trust II: Fidelity Mid Cap Enhanced Index Fund	FMEIX
Fidelity Commonwealth Trust: Fidelity Mid-Cap Stock Fund	FMCSX
Fidelity Salem Street Trust: Fidelity Mid Cap Index Fund; Premium Class	FSCKX
First Investors Equity Funds: Opportunity Fund; Class A Shares	FIUSX
Goldman Sachs Trust: Goldman Sachs Mid Cap Value Fund; Institutional Shares	GSMCX
Janus Investment Fund: Janus Henderson Mid Cap Value Fund; Class T Shares	JMCVX
JP Morgan Fleming Mutual Fund Group, Inc: JPMorgan Mid Cap Value Fund; Class L Shares	FLMVX
JPMorgan Trust I: JPMorgan Mid Cap Equity Fund; Class R6 Shares	JPPEX
Legg Mason Partners Equity Trust: ClearBridge Mid Cap Fund; Class A Shares	SBMAX
Lord Abbett Securities Trust: Lord Abbett Value Opportunities Fund; Class A Shares	LVOAX
Nationwide Mutual Funds: Nationwide Mid Cap Market Index Fund; Class R6 Shares	GMXIX
Natixis Funds Trust II: Vaughan Nelson Value Opportunity Fund; Class Y Shares	VNVYX
Northern Funds: Mid Cap Index Fund	NOMIX
Oppenheimer Main Street Mid Cap Fund; Class A Shares	OPMSX
Parnassus Funds: Parnassus Mid Cap Fund	PARMX
Thrivent Mutual Funds: Thrivent Mid Cap Stock Fund; Class A Shares	AASCX
Vanguard Admiral Funds: Vanguard S&P Mid-Cap 400 Index Fund; Institutional Shares	VSPMX
Vanguard Horizon Funds: Vanguard Strategic Equity Fund; Investor Class Shares	VSEQX
Vanguard Index Funds: Vanguard Mid-Cap Index Fund; Admiral Shares	VIMAX
Victory Portfolios: Victory Sycamore Established Value Fund; Class A Shares	SETAX
Wells Fargo Funds Trust: Wells Fargo Common Stock Fund; Class A Shares	SCSAX

**Index Name Full Fund Name**

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**Lipper Mid-Cap Growth Funds Index**

AB Discovery Growth Fund, Inc; Class Advisor Shares	CHCYX
AIM Sector Funds (Invesco Sector Funds): Invesco Mid Cap Growth Fund; Class A Shares	VGRAX
American Century Mutual Funds, Inc: Heritage Fund; Investor Class Shares	TWHIX
AMG Funds: AMG TimesSquare Mid Cap Growth Fund; Class Z Shares	TMDIX
Baird Funds, Inc: Baird MidCap Fund; Institutional Class Shares	BMDIX
Baron Investment Funds Trust: Baron Asset Fund; Retail Shares	BARAX
Baron Investment Funds Trust: Baron Growth Fund; Retail Shares	BGRFX
Baron Investment Funds Trust: Baron Small Cap Fund; Retail Shares	BSCFX
Baron Select Funds: Baron Partners Fund; Retail Shares	BPTRX
Bridge Builder Trust: Bridge Builder Small/Mid Cap Growth Fund	BBGSX
Columbia Acorn Trust: Columbia Acorn Fund; Institutional Class Shares	ACRNX
Eaton Vance Growth Trust: Eaton Vance Atlanta Capital SMID-Cap Fund; Class I Shares	EISMX
Franklin Strategic Series: Franklin Small-Mid Cap Growth Fund; Class A Shares	FRSGX
Goldman Sachs Trust: Goldman Sachs Small/Mid-Cap Growth Fund; Institutional Shares	GSMYX
Hartford Mutual Funds, Inc: Hartford MidCap Fund; Class A Shares	HFCMX
Ivy Funds: Ivy Mid Cap Growth Fund; Class I Shares	IYMIX
Janus Investment Fund: Janus Henderson Enterprise Fund; Class T Shares	JAENX
MassMutual Select Funds: MassMutual Select Mid Cap Growth Fund; Class I Shares	MEFZX
MFS Series Trust IV: MFS Mid Cap Growth Fund; Class R6 Shares	OTCKX
PRIMECAP Odyssey Funds: PRIMECAP Odyssey Aggressive Growth Fund	POAGX
Principal Funds, Inc: MidCap Growth Fund III; Institutional Class Shares	PPIMX
Prudential Jennison Mid-Cap Growth Fund, Inc; Class Z Shares	PEGZX
T Rowe Price Institutional Equity Funds, Inc: T Rowe Price Institutional Mid-Cap Equity Growth Fund	PMEGX
T Rowe Price Mid-Cap Growth Fund, Inc	RPMGX
Vanguard Index Funds: Vanguard Mid-Cap Growth Index Fund; Admiral Class Shares	VMGMX
Vanguard Whitehall Funds: Vanguard Mid-Cap Growth Fund	VMGRX
Victory Portfolios: Victory Munder Mid-Cap Core Growth Fund; Class Y Shares	MGOYX
Waddell & Reed Advisors Funds: Waddell & Reed Advisors New Concepts Fund; Class A Shares	UNECX
Wells Fargo Funds Trust: Wells Fargo Discovery Fund; Institutional Class Shares	WFDSX
William Blair Funds: Small-Mid Cap Growth Fund; Class I Shares	WSMDX

**Index Name Full Fund Name**

**Nasdaq Symbol**

**Lipper Mid-Cap Value Funds Index**

AIM Sector Funds (Invesco Sector Funds): Invesco American Value Fund; Class A Shares	MSAVX
American Beacon Funds: American Beacon Mid-Cap Value Fund; Investor Class Shares	AMPAX
AMG Funds IV: AMG Managers Fairpointe Mid Cap Fund; Class I Shares	ABMIX
AMG Funds: AMG Systematic Mid Cap Value Fund; Class I Shares	SYIMX
Artisan Partners Funds, Inc: Artisan Mid Cap Value Fund; Investor Shares	ARTQX
Bridge Builder Trust: Bridge Builder Small/Mid Cap Value Fund	BBVSX
CM Advisors Family of Funds: CM Advisors Fund; Class I Shares	CMAFX
Fidelity Puritan Trust: Fidelity Low-Priced Stock Fund	FLPSX
Franklin Value Investors Trust: Franklin Balance Sheet Investment Fund; Class A Shares	FRBSX
GoodHaven Funds Trust: GoodHaven Fund	GOODX
Harbor Funds: Harbor Mid Cap Value Fund; Institutional Class Shares	HAMVX
Hennessy Funds Trust: Hennessy Cornerstone Mid Cap 30 Fund; Investor Class Shares	HFMDX
Hotchkis & Wiley Funds: Hotchkis & Wiley Mid-Cap Value Fund; Class I Shares	HWMIX
Lord Abbett Equity Trust: Lord Abbett Calibrated Mid Cap Value Fund; Class I Shares	LVMIX
Lord Abbett Mid Cap Stock Fund Inc; Class A Shares	LAVLX
Managed Portfolio Series: Nuance Mid Cap Value Fund; Institutional Class Shares	NMVLX
Managed Portfolio Series: Reinhart Mid Cap PMV Fund; Advisor Class Shares	RPMVX
MFS Series Trust XI: MFS Mid Cap Value Fund; Class R6 Shares	MVCKX
Oppenheimer Quest For Value Funds: Oppenheimer Mid Cap Value Fund; Class A Shares	QVSCX
Principal Funds, Inc: MidCap Value Fund I; Institutional Class Shares	PVMIX
Principal Funds, Inc: MidCap Value Fund III; Institutional Class Shares	PVUIX
Prudential Investment Portfolios, Inc 10: Prudential QMA Mid-Cap Value Fund; Class A Shares	SPRAX
Royce Fund: Royce Dividend Value Fund; Service Class Shares	RYDVX
T Rowe Price Mid-Cap Value Fund, Inc	TRMCX
TCW Funds, Inc: TCW Relative Value Mid Cap Fund; Class I Shares	TGVOX
Tocqueville Trust: Delafield Fund	DEFIX
Transamerica Funds: Transamerica Mid Cap Value Opportunities; Class I Shares	MVTIX
Vanguard Index Funds: Vanguard Mid-Cap Value Index Fund; Admiral Class Shares	VMVAX
Voya Equity Trust: Voya Multi-Manager Mid Cap Value Fund; Class I Shares	IMCVX
Wells Fargo Funds Trust: Wells Fargo Special Mid Cap Value Fund; Class A Shares	WFPAX

**Index Name    Full Fund Name**

**Nasdaq Symbol**

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**Lipper Mixed-Asset Target 2010 Funds Index**

American Funds Target Date Retirement Series: American Funds 2010 Target Date Retirement Fund; Class A Shares	AATX
Fidelity Aberdeen Street Trust: Fidelity Advisor Freedom 2010 Fund; Class A Shares	FACFX
Fidelity Aberdeen Street Trust: Fidelity Freedom 2005 Fund	FFVX
Fidelity Aberdeen Street Trust: Fidelity Freedom 2010 Fund	FFCX
Fidelity Aberdeen Street Trust: Fidelity Freedom Index 2010 Fund; Investor Class Shares	FKIFX
John Hancock Funds II: Multimanager 2010 Lifetime Portfolio; Class 1 Shares	JLAX
Principal Funds, Inc: Principal LifeTime 2010 Fund; Institutional Class Shares	PTIX
T Rowe Price Retirement Funds, Inc: T Rowe Price Retirement 2005 Fund	TRRX
T Rowe Price Retirement Funds, Inc: T Rowe Price Retirement 2010 Fund	TRRX
TIAA-CREF Funds: Lifecycle 2010 Fund; Retirement Class Shares	TCLEX

**Lipper Mixed-Asset Target 2015 Index**

AB Cap Fund, Inc: AB Multi-Manager Select 2015 Fund; Class K Shares	TDCKX
American Funds Target Date Retirement Series: American Funds 2015 Target Date Retirement Fund; Class A Shares	AABTX
BMO Funds, Inc: BMO Target Retirement 2015 Fund; Class R-6 Shares	BRTDX
DFA Investment Dimensions Group Inc: Dimensional 2015 Target Date Retirement Income Fund; Institutional Class Shares	DRIQX
Fidelity Aberdeen Street Trust: Fidelity Advisor Freedom 2015 Fund; Class A Shares	FFVAX
Fidelity Aberdeen Street Trust: Fidelity Freedom 2015 Fund	FFVFX
Fidelity Aberdeen Street Trust: Fidelity Freedom Index 2015; Investor Class Shares	FLIFX
GuideStone Funds: My Destination 2015 Fund; Investor Class Shares	GMTZX
Harbor Funds: Harbor Target Retirement 2015 Fund; Institutional Class Shares	HARGX
John Hancock Funds II: Multi-Index 2015 Lifetime Portfolio; Class 1 Shares	JRLIX
John Hancock Funds II: Multimanager 2015 Lifetime Portfolio; Class 1 Shares	JLBOX
KP Funds: KP Retirement Path 2015 Fund; Institutional Class Shares	KPRAX
Manning & Napier Fund, Inc: Target 2015 Series; Class K Shares	MTJKX
MassMutual Select Funds: MassMutual RetireSMART 2015 Fund; Class R3 Shares	MMJNX
Nationwide Mutual Funds: Nationwide Destination 2015 Fund; Class R Shares	NWEBX
Principal Funds, Inc: Principal LifeTime 2015 Fund; Institutional Class Shares	LTINX
Principal Funds, Inc: Principal LifeTime Hybrid 2015 Fund; Institutional Class Shares	PHTMX
Schwab Capital Trust: Schwab Target 2015 Fund	SWGTX
State Street Institutional Investment Trust: State Street Target Retirement 2015 Fund; Class K Shares	SSBHX
T Rowe Price Retirement Funds, Inc: T Rowe Price Retirement 2015 Fund	TRRGX
T Rowe Price Retirement Funds, Inc: T Rowe Price Retirement I 2015 Fund; Class I Shares	TRFGX
T Rowe Price Retirement Funds, Inc: T Rowe Price Target 2015 Fund	TRRTX
TIAA-CREF Funds: Lifecycle 2015 Fund; Institutional Class Shares	TCNIX
TIAA-CREF Funds: Lifecycle Index 2015 Fund; Institutional Class Shares	TLFIX
Transamerica Funds: ClearTrack 2015; Class R1 Shares	TCFTX
Vanguard Chester Funds: Vanguard Institutional Target Retirement 2015 Fund; Institutional Class Shares	VITVX
Vanguard Chester Funds: Vanguard Target Retirement 2015 Fund; Investor Class Shares	VTXVX
Virtus Retirement Trust: Virtus DFA 2015 Target Date Retirement Income Fund; Class R6 Shares	VDFRX
Wells Fargo Funds Trust: Wells Fargo Dynamic Target 2015 Fund; Class R6 Shares	WDTZX
Wells Fargo Funds Trust: Wells Fargo Target 2015 Fund; Class R6 Shares	WFSCX

**Lipper Mixed-Asset Target 2020 Funds Index**

American Century Asset Allocation Portfolios, Inc: One Choice 2020 Portfolio; Investor Class Shares	ARBVX
American Funds College Target Date Series: American Funds College 2018 Fund; Class 529-A Shares	CNEAX
American Funds Target Date Retirement Series: American Funds 2020 Target Date Retirement Fund; Class A Shares	AACTX
BlackRock Funds III: BlackRock LifePath Index 2020 Fund; Class K Shares	LIMKX
Fidelity Aberdeen Street Trust: Fidelity Advisor Freedom 2020 Fund; Class A Shares	FDAFX
Fidelity Aberdeen Street Trust: Fidelity Freedom 2020 Fund	FFFDX
Fidelity Aberdeen Street Trust: Fidelity Freedom Index 2020 Fund; Investor Class Shares	FPIFX
John Hancock Funds II: Multi-Index 2020 Lifetime Portfolio; Class 1 Shares	JRLOX
John Hancock Funds II: Multi-Index 2020 Preservation Portfolio; Class 1 Shares	JRWX
John Hancock Funds II: Multimanager 2020 Lifetime Portfolio; Class 1 Shares	JLDOX
JPMorgan Trust I: JPMorgan SmartRetirement 2020 Fund; Class R5 Shares	JTTIX
JPMorgan Trust I: JPMorgan SmartRetirement Blend 2020 Fund; Class R6 Shares	JSYRX
KP Funds: KP Retirement Path 2020 Fund; Institutional Class Shares	KPRBX
MainStay Funds Trust: MainStay Retirement 2020 Fund; Class I Shares	MYRTX
MassMutual Select Funds: MassMutual RetireSMART 2020 Fund; Service Class Shares	MRTSX
MFS Series Trust XII: MFS Lifetime 2020 Fund; Class R4 Shares	MFLJX
Principal Funds, Inc: Principal LifeTime 2020 Fund; Institutional Class Shares	PLWIX
Putnam RetirementReady Funds: Putnam RetirementReady 2020 Fund; Class A Shares	PRRMX
Schwab Capital Trust: Schwab Target 2020 Fund	SWCRX
State Farm Mutual Fund Trust: State Farm LifePath 2020 Fund; Class A Shares	NLWAX
State Street Institutional Investment Trust: State Street Target Retirement 2020 Fund; Class K Shares	SSBOX
T Rowe Price Retirement Funds, Inc: T Rowe Price Retirement 2020 Fund	TRRBX
T Rowe Price Retirement Funds, Inc: T Rowe Price Retirement I 2020 Fund; Class I Shares	TRBRX
T Rowe Price Retirement Funds, Inc: T Rowe Price Target 2020 Fund	TRRUX
TIAA-CREF Funds: Lifecycle 2020 Fund; Institutional Class Shares	TCWIX
TIAA-CREF Funds: Lifecycle Index 2020 Fund; Institutional Class Shares	TLWIX
USAA Mutual Funds Trust: Target Retirement 2020 Fund	URTNX
Vanguard Chester Funds: Vanguard Institutional Target Retirement 2020 Fund; Institutional Class Shares	VITWX
Vanguard Chester Funds: Vanguard Target Retirement 2020 Fund; Investor Class Shares	VTWNX
Wells Fargo Funds Trust: Wells Fargo Target 2020 Fund; Class R6 Shares	WFOBX



**Index Name Full Fund Name****Nasdaq Symbol****Lipper Mixed-Asset Target 2025 Index**

AB Cap Fund, Inc: AB Multi-Manager Select 2025 Fund; Class K Shares	TDGKX
American Century Asset Allocation Portfolios, Inc: One Choice 2025 Portfolio; Investor Class Shares	ARWIX
American Funds College Target Date Series: American Funds College 2021 Fund; Class 529-A Shares	CTOAX
American Funds College Target Date Series: American Funds College 2024 Fund; Class 529-A Shares	CFTAX
American Funds Target Date Retirement Series: American Funds 2025 Target Date Retirement Fund; Class A Shares	AADTX
BlackRock Funds III: BlackRock LifePath Index 2025 Fund; Class K Shares	LIBKX
Fidelity Aberdeen Street Trust: Fidelity Advisor Freedom 2025 Fund; Class A Shares	FATWX
Fidelity Aberdeen Street Trust: Fidelity Freedom 2025 Fund	FFTWX
Fidelity Aberdeen Street Trust: Fidelity Freedom Index 2025 Fund; Investor Class Shares	FQIFX
GuideStone Funds: My Destination 2025 Fund; Investor Class Shares	GMWZX
John Hancock Funds II: Multi-Index 2025 Lifetime Portfolio; Class 1 Shares	JRTBX
John Hancock Funds II: Multi-Index 2025 Preservation Portfolio; Class 1 Shares	JREOX
John Hancock Funds II: Multimanager 2025 Lifetime Portfolio; Class 1 Shares	JLEOX
JPMorgan Trust I: JPMorgan SmartRetirement 2025 Fund; Class R5 Shares	JNSIX
JPMorgan Trust I: JPMorgan SmartRetirement Blend 2025 Fund; Class R6 Shares	JBYSX
KP Funds: KP Retirement Path 2025 Fund; Institutional Class Shares	KPRCX
MassMutual Select Funds: MassMutual RetireSMART 2025 Fund; Class R3 Shares	MMNRX
MFS Series Trust XII: MFS Lifetime 2025 Fund; Class R4 Shares	LTTUX
Nationwide Mutual Funds: Nationwide Destination 2025 Fund; Institutional Service Class Shares	NWHSX
Principal Funds, Inc: Principal LifeTime 2025 Fund; Institutional Class Shares	LTSTX
Schwab Capital Trust: Schwab Target 2025 Fund	SWHRX
State Street Institutional Investment Trust: State Street Target Retirement 2025 Fund; Class K Shares	SSBSX
T Rowe Price Retirement Funds, Inc: T Rowe Price Retirement 2025 Fund	TRRHX
T Rowe Price Retirement Funds, Inc: T Rowe Price Retirement I 2025 Fund; Class I Shares	TRPHX
T Rowe Price Retirement Funds, Inc: T Rowe Price Target 2025 Fund	TRRVX
TIAA-CREF Funds: Lifecycle 2025 Fund; Institutional Class Shares	TCYIX
TIAA-CREF Funds: Lifecycle Index 2025 Fund; Institutional Class Shares	TLQIX
Vanguard Chester Funds: Vanguard Institutional Target Retirement 2025 Fund; Institutional Class Shares	VRIVX
Vanguard Chester Funds: Vanguard Target Retirement 2025 Fund; Investor Class Shares	VTTVX
Wells Fargo Funds Trust: Wells Fargo Target 2025 Fund; Class R6 Shares	WFTYX

**Lipper Mixed-Asset Target 2030 Funds Index**

American Century Asset Allocation Portfolios, Inc: One Choice 2030 Portfolio; Class I Shares	ARCSX
American Funds College Target Date Series: American Funds College 2027 Fund; Class 529-A Shares	CSTAX
American Funds College Target Date Series: American Funds College 2030 Fund; Class 529-A Shares	CTHAX
American Funds Target Date Retirement Series: American Funds 2030 Target Date Retirement Fund; Class R6 Shs	RFETX
BlackRock Funds III: BlackRock LifePath Index 2030 Fund; Class K Shares	LINKX
Fidelity Aberdeen Street Trust: Fidelity Advisor Freedom 2030 Fund; Class A Shares	FAFEX
Fidelity Aberdeen Street Trust: Fidelity Freedom 2030 Fund	FFFEX
Fidelity Aberdeen Street Trust: Fidelity Freedom Index 2030 Fund; Institutional Premium Class Shares	FFEGX
John Hancock Funds II: Multi-Index 2030 Lifetime Portfolio; Class 1 Shares	JRTGX
John Hancock Funds II: Multi-Index 2030 Preservation Portfolio; Class 1 Shares	JRHGX
John Hancock Funds II: Multimanager 2030 Lifetime Portfolio; Class 1 Shares	JLFOX
JPMorgan Trust I: JPMorgan SmartRetirement 2030 Fund; Class R5 Shares	JSMIX
KP Funds: KP Retirement Path 2030 Fund; Institutional Class Shares	KPRDX
MainStay Funds Trust: MainStay Retirement 2030 Fund; Class I Shares	MRTIX
MassMutual Select Funds: MassMutual RetireSMART 2030 Fund; Service Class Shares	MRYSX
MFS Series Trust XII: MFS Lifetime 2030 Fund; Class R4 Shares	MLTJX
Principal Funds, Inc: Principal LifeTime 2030 Fund; Institutional Class Shares	PMTIX
Putnam RetirementReady Funds: Putnam RetirementReady 2030 Fund; Class A Shares	PRRQX
Schwab Capital Trust: Schwab Target 2030 Fund	SWDRX
State Farm Mutual Fund Trust: State Farm LifePath 2030 Fund; Class A Shares	NLHAX
State Street Institutional Investment Trust: State Street Target Retirement 2030 Fund; Class K Shares	SSBYX
T Rowe Price Retirement Funds, Inc: T Rowe Price Retirement 2030 Fund	TRRCX
T Rowe Price Retirement Funds, Inc: T Rowe Price Retirement I 2030 Fund; Class I Shares	TRPCX
T Rowe Price Retirement Funds, Inc: T Rowe Price Target 2030 Fund	TRRWX
TIAA-CREF Funds: Lifecycle 2030 Fund; Institutional Class Shares	TCRIX
TIAA-CREF Funds: Lifecycle Index 2030 Fund; Institutional Class Shares	TLHIX
USAA Mutual Funds Trust: Target Retirement 2030 Fund	URTRX
Vanguard Chester Funds: Vanguard Institutional Target Retirement 2030 Fund; Institutional Class Shares	VTTWX
Vanguard Chester Funds: Vanguard Target Retirement 2030 Fund; Investor Class Shares	VTHRX
Wells Fargo Funds Trust: Wells Fargo Target 2030 Fund; Class R6 Shares	WFOOX

**Index Name Full Fund Name****Nasdaq Symbol****Lipper Mixed-Asset Target 2035 Index**

AB Cap Fund, Inc: AB Multi-Manager Select 2035 Fund; Class K Shares	TDMKX
American Century Asset Allocation Portfolios, Inc: One Choice 2035 Portfolio; Investor Class Shares	ARYIX
American Funds College Target Date Series: American Funds College 2033 Fund; Class 529-A Shares	CTLAX
American Funds Target Date Retirement Series: American Funds 2035 Target Date Retirement Fund; Class R6 Shs	RFFTIX
BlackRock Funds III: BlackRock LifePath Index 2035 Fund; Class K Shares	LIJKX
Fidelity Aberdeen Street Trust: Fidelity Advisor Freedom 2035 Fund; Class A Shares	FATHX
Fidelity Aberdeen Street Trust: Fidelity Freedom 2035 Fund	FFTHX
Fidelity Aberdeen Street Trust: Fidelity Freedom Index 2035 Fund; Investor Class Shares	FIHFIX
GuideStone Funds: My Destination 2035 Fund; Investor Class Shares	GMHZX
John Hancock Funds II: Multi-Index 2035 Lifetime Portfolio; Class 1 Shares	JRTKX
John Hancock Funds II: Multi-Index 2035 Preservation Portfolio; Class 1 Shares	JRYOX
John Hancock Funds II: Multimanager 2035 Lifetime Portfolio; Class 1 Shares	JLHOX
JPMorgan Trust I: JPMorgan SmartRetirement 2035 Fund; Class R5 Shares	SRJIX
JPMorgan Trust I: JPMorgan SmartRetirement Blend 2035 Fund; Class R6 Shares	JPYRX
KP Funds: KP Retirement Path 2035 Fund; Institutional Class Shares	KPREX
MassMutual Select Funds: MassMutual RetireSMART 2035 Fund; Class R3 Shares	MMXNX
MFS Series Trust XII: MFS Lifetime 2035 Fund; Class R4 Shares	LFEUX
Nationwide Mutual Funds: Nationwide Destination 2035 Fund; Class R Shares	NWLBX
Principal Funds, Inc: Principal LifeTime 2035 Fund; Institutional Class Shares	LTIUX
Putnam RetirementReady Funds: Putnam RetirementReady 2035 Fund; Class A Shares	PRRWX
Schwab Capital Trust: Schwab Target 2035 Fund	SWIRX
State Street Institutional Investment Trust: State Street Target Retirement 2035 Fund; Class K Shares	SSCKX
T Rowe Price Retirement Funds, Inc: T Rowe Price Retirement 2035 Fund	TRRJX
T Rowe Price Retirement Funds, Inc: T Rowe Price Retirement I 2035 Fund; Class I Shares	TRPJX
T Rowe Price Retirement Funds, Inc: T Rowe Price Target 2035 Fund	RPGRX
TIAA-CREF Funds: Lifecycle 2035 Fund; Institutional Class Shares	TCIIX
TIAA-CREF Funds: Lifecycle Index 2035 Fund; Institutional Class Shares	TLYIX
Vanguard Chester Funds: Vanguard Institutional Target Retirement 2035 Fund; Institutional Class Shares	VITFX
Vanguard Chester Funds: Vanguard Target Retirement 2035 Fund; Investor Class Shares	VTTHX
Wells Fargo Funds Trust: Wells Fargo Target 2035 Fund; Class R6 Shares	WFQRX

**Index Name Full Fund Name****Nasdaq Symbol****Lipper Mixed-Asset Target 2040 Index**

American Century Asset Allocation Portfolios, Inc: One Choice 2040 Portfolio; Investor Class Shares	ARDVX
American Funds Target Date Retirement Series: American Funds 2040 Target Date Retirement Fund; Class R6 Shs	RF GTX
BlackRock Funds III: BlackRock LifePath Index 2040 Fund; Class K Shares	LIK KX
Fidelity Aberdeen Street Trust: Fidelity Advisor Freedom 2040 Fund; Class A Shares	FAFFX
Fidelity Aberdeen Street Trust: Fidelity Freedom 2040 Fund	FFFFX
Fidelity Aberdeen Street Trust: Fidelity Freedom Index 2040 Fund; Investor Class Shares	FBIFX
John Hancock Funds II: Multi-Index 2040 Lifetime Portfolio; Class 1 Shares	JRTTX
John Hancock Funds II: Multi-Index 2040 Preservation Portfolio; Class 1 Shares	JRROX
John Hancock Funds II: Multimanager 2040 Lifetime Portfolio; Class 1 Shares	JLIOX
JPMorgan Trust I: JPMorgan SmartRetirement 2040 Fund; Class R5 Shares	SMTIX
JPMorgan Trust I: JPMorgan SmartRetirement Blend 2040 Fund; Class R6 Shares	JOBYX
KP Funds: KP Retirement Path 2040 Fund; Institutional Class Shares	KPRFX
MainStay Funds Trust: MainStay Retirement 2040 Fund; Class I Shares	MSRYX
MassMutual Select Funds: MassMutual RetireSMART 2040 Fund; Service Class Shares	MFRSX
MFS Series Trust XII: MFS Lifetime 2040 Fund; Class R4 Shares	MLFJX
Nationwide Mutual Funds: Nationwide Destination 2040 Fund; Institutional Service Class Shares	NWMSX
Principal Funds, Inc: Principal LifeTime 2040 Fund; Institutional Class Shares	PTDIX
Putnam RetirementReady Funds: Putnam RetirementReady 2040 Fund; Class A Shares	PRRZX
Schwab Capital Trust: Schwab Target 2040 Fund	SWERX
State Farm Mutual Fund Trust: State Farm LifePath 2040 Fund; Class A Shares	NLOAX
State Street Institutional Investment Trust: State Street Target Retirement 2040 Fund; Class K Shares	SSCQX
T Rowe Price Retirement Funds, Inc: T Rowe Price Retirement 2040 Fund	TRRD X
T Rowe Price Retirement Funds, Inc: T Rowe Price Retirement I 2040 Fund; Class I Shares	TRPD X
T Rowe Price Retirement Funds, Inc: T Rowe Price Target 2040 Fund	TRHR X
TIAA-CREF Funds: Lifecycle 2040 Fund; Institutional Class Shares	TCOIX
TIAA-CREF Funds: Lifecycle Index 2040 Fund; Institutional Class Shares	TLZIX
USAA Mutual Funds Trust: Target Retirement 2040 Fund	URFRX
Vanguard Chester Funds: Vanguard Institutional Target Retirement 2040 Fund; Institutional Class Shares	VIRSX
Vanguard Chester Funds: Vanguard Target Retirement 2040 Fund; Investor Class Shares	VFORX
Wells Fargo Funds Trust: Wells Fargo Target 2040 Fund; Class R6 Shares	WFOSX

**Index Name Full Fund Name****Nasdaq Symbol****Lipper Mixed-Asset Target 2045 Index**

AB Cap Fund, Inc: AB Multi-Manager Select 2045 Fund; Class K Shares	TDNKX
American Century Asset Allocation Portfolios, Inc: One Choice 2045 Portfolio; Investor Class Shares	AROIX
American Funds Target Date Retirement Series: American Funds 2045 Target Date Retirement Fund; Class R6 Shs	RFHTX
BlackRock Funds III: BlackRock LifePath Index 2045 Fund; Class K Shares	LIHKX
Fidelity Aberdeen Street Trust: Fidelity Advisor Freedom 2045 Fund; Class A Shares	FFFZX
Fidelity Aberdeen Street Trust: Fidelity Freedom 2045 Fund	FFFGX
Fidelity Aberdeen Street Trust: Fidelity Freedom Index 2045 Fund; Institutional Premium Class Share	FFOLX
Franklin Fund Allocator Series: Franklin LifeSmart 2045 Retirement Target Fund; Class A Shares	FTTAX
GuideStone Funds: My Destination 2045 Fund; Investor Class Shares	GMFZX
John Hancock Funds II: Multi-Index 2045 Lifetime Portfolio; Class 1 Shares	JRLQX
John Hancock Funds II: Multi-Index 2045 Preservation Portfolio; Class 1 Shares	JRVOX
John Hancock Funds II: Multimanager 2045 Lifetime Portfolio; Class 1 Shares	JLJOX
JPMorgan Trust I: JPMorgan SmartRetirement 2045 Fund; Class R5 Shares	JSAIX
JPMorgan Trust I: JPMorgan SmartRetirement Blend 2045 Fund; Class R6 Shares	JMYAX
KP Funds: KP Retirement Path 2045 Fund; Institutional Class Shares	KPRGX
MassMutual Select Funds: MassMutual RetireSMART 2045 Fund; Class R3 Shares	MMKNX
MFS Series Trust XII: MFS Lifetime 2045 Fund; Class R4 Shares	LTMUX
Nationwide Mutual Funds: Nationwide Destination 2045 Fund; Class R Shares	NWNBX
Principal Funds, Inc: Principal LifeTime 2045 Fund; Institutional Class Shares	LTRIX
Putnam RetirementReady Funds: Putnam RetirementReady 2045 Fund; Class A Shares	PRVLX
Schwab Capital Trust: Schwab Target 2045 Fund	SWMRX
State Street Institutional Investment Trust: State Street Target Retirement 2045 Fund; Class K Shares	SSDEX
T Rowe Price Retirement Funds, Inc: T Rowe Price Retirement 2045 Fund	TRRKX
T Rowe Price Retirement Funds, Inc: T Rowe Price Retirement I 2045 Fund; Class I Shares	TRPKX
T Rowe Price Retirement Funds, Inc: T Rowe Price Target 2045 Fund	RPTFX
TIAA-CREF Funds: Lifecycle 2045 Fund; Institutional Class Shares	TTFIX
TIAA-CREF Funds: Lifecycle Index 2045 Fund; Institutional Class Shares	TLXIX
Vanguard Chester Funds: Vanguard Institutional Target Retirement 2045 Fund; Institutional Class Shares	VITLX
Vanguard Chester Funds: Vanguard Target Retirement 2045 Fund; Investor Class Shares	VTIVX
Wells Fargo Funds Trust: Wells Fargo Target 2045 Fund; Class R6 Shares	WFQPX

**Index Name Full Fund Name**

**Nasdaq Symbol**

**Lipper Mixed-Asset Target 2050 Index**

American Century Asset Allocation Portfolios, Inc: One Choice 2050 Portfolio; Class I Shares	ARFSX
American Funds Target Date Retirement Series: American Funds 2050 Target Date Retirement Fund; Class A Shares	ALTX
BlackRock Funds III: BlackRock LifePath Dynamic 2050 Fund; Investor A Shares	LPRFX
BlackRock Funds III: BlackRock LifePath Index 2050 Fund; Class K Shares	LIPKX
Fidelity Aberdeen Street Trust: Fidelity Advisor Freedom 2050 Fund; Class A Shares	FFFLX
Fidelity Aberdeen Street Trust: Fidelity Freedom 2050 Fund	FFFHX
Fidelity Aberdeen Street Trust: Fidelity Freedom Index 2050 Fund; Investor Class Shares	FIPFX
John Hancock Funds II: Multi-Index 2050 Lifetime Portfolio; Class 1 Shares	JRLWX
John Hancock Funds II: Multi-Index 2050 Preservation Portfolio; Class 1 Shares	JRIOX
John Hancock Funds II: Multimanager 2050 Lifetime Portfolio; Class 1 Shares	JLKOX
JPMorgan Trust I: JPMorgan SmartRetirement 2050 Fund; Class R5 Shares	JTSIX
KP Funds: KP Retirement Path 2050 Fund; Institutional Class Shares	KPRHX
MainStay Funds Trust: MainStay Retirement 2050 Fund; Class I Shares	MSRMX
MassMutual Select Funds: MassMutual RetireSMART 2050 Fund; Service Class Shares	MMTSX
MFS Series Trust XII: MFS Lifetime 2050 Fund; Class R4 Shares	MFFPX
Nationwide Mutual Funds: Nationwide Destination 2050 Fund; Class R Shares	NWOBX
PIMCO Funds: PIMCO RealPath 2050 Fund; Institutional Class Shares	PRMIX
Principal Funds, Inc: Principal LifeTime 2050 Fund; Institutional Class Shares	PPLIX
Putnam RetirementReady Funds: Putnam RetirementReady 2050 Fund; Class A Shares	PRRJX
Schwab Capital Trust: Schwab Target 2050 Fund	SWNRX
State Farm Mutual Fund Trust: State Farm LifePath 2050 Fund; Class A Shares	NLPAX
State Street Institutional Investment Trust: State Street Target Retirement 2050 Fund; Class K Shares	SSDLX
T Rowe Price Retirement Funds, Inc: T Rowe Price Retirement 2050 Fund	TRRMX
T Rowe Price Retirement Funds, Inc: T Rowe Price Retirement I 2050 Fund; Class I Shares	TRPMX
TIAA-CREF Funds: Lifecycle 2050 Fund; Institutional Class Shares	TFTIX
TIAA-CREF Funds: Lifecycle Index 2050 Fund; Institutional Class Shares	TLLIX
USAA Mutual Funds Trust: Target Retirement 2050 Fund	URFFX
Vanguard Chester Funds: Vanguard Institutional Target Retirement 2050 Fund; Institutional Class Shares	VRTX
Vanguard Chester Funds: Vanguard Target Retirement 2050 Fund; Investor Class Shares	VFIFX
Wells Fargo Funds Trust: Wells Fargo Target 2050 Fund; Class R6 Shares	WFQFX

**Index Name Full Fund Name****Nasdaq Symbol****Lipper Mixed-Asset Target 2055+ Index**

American Century Asset Allocation Portfolios, Inc: One Choice 2055 Portfolio; Class I Shares	ARENX
American Funds Target Date Retirement Series: American Funds 2055 Target Date Retirement Fund; Class A Share	AAMTX
American Funds Target Date Retirement Series: American Funds 2060 Target Date Retirement Fund; Class A Share	AANTX
BlackRock Funds III: BlackRock LifePath Index 2055 Fund; Class K Shares	LIVKX
Fidelity Aberdeen Street Trust: Fidelity Advisor Freedom 2055 Fund; Class A Shares	FHFAX
Fidelity Aberdeen Street Trust: Fidelity Freedom 2055 Fund	FDEEX
Fidelity Aberdeen Street Trust: Fidelity Freedom 2060 Fund	FDKVX
Fidelity Aberdeen Street Trust: Fidelity Freedom Index 2055 Fund; Investor Class Shares	FDEWX
Fidelity Aberdeen Street Trust: Fidelity Freedom Index 2060 Fund; Investor Class Shares	FDKLX
GuideStone Funds: MyDestination 2055 Fund; Investor Class Shares	GMGZX
John Hancock Funds II: Multi-Index 2055 Lifetime Portfolio; Class 1 Shares	JLKZX
John Hancock Funds II: Multi-Index 2055 Preservation Portfolio; Class 1 Shares	JRIYX
John Hancock Funds II: Multimanager 2055 Lifetime Portfolio; Class 1 Shares	JLKUX
JPMorgan Trust I: JPMorgan SmartRetirement 2055 Fund; Class R5 Shares	JFFIX
KP Funds: KP Retirement Path 2055 Fund; Institutional Class Shares	KPRIX
Principal Funds, Inc: Principal LifeTime 2055 Fund; Institutional Class Shares	LTFIX
Principal Funds, Inc: Principal LifeTime 2060 Fund; Institutional Class Shares	PLTZX
Schwab Capital Trust: Schwab Target 2055 Fund	SWORX
State Street Institutional Investment Trust: State Street Target Retirement 2055 Fund; Class K Shares	SSDQX
T Rowe Price Retirement Funds, Inc: T Rowe Price Retirement 2055 Fund	TRRNX
T Rowe Price Retirement Funds, Inc: T Rowe Price Retirement 2060 Fund	TRRLX
T Rowe Price Retirement Funds, Inc: T Rowe Price Retirement I 2055 Fund; Class I Shares	TRPNX
TIAA-CREF Funds: Lifecycle 2055 Fund; Institutional Class Shares	TTRIX
TIAA-CREF Funds: Lifecycle Index 2055 Fund; Institutional Class Shares	TTIIX
USAA Mutual Funds Trust: Target Retirement 2060 Fund	URSIX
Vanguard Chester Funds: Vanguard Institutional Target Retirement 2055 Fund; Institutional Class Shares	VIVLX
Vanguard Chester Funds: Vanguard Institutional Target Retirement 2060 Fund; Institutional Class Shares	VILVX
Vanguard Chester Funds: Vanguard Target Retirement 2055 Fund; Investor Class Shares	VFFVX
Vanguard Chester Funds: Vanguard Target Retirement 2060 Fund; Investor Class Shares	VTTSX
Wells Fargo Funds Trust: Wells Fargo Target 2055 Fund; Class R6 Shares	WFQUX

**Index Name Full Fund Name**

**Nasdaq Symbol**

**Lipper Mixed-Asset Target Allocation Aggressive Growth Funds**

AB Portfolios: AB Wealth Appreciation Strategy; Advisor Class Shares	AWAYX
American Century Asset Allocation Portfolios, Inc: One Choice Portfolio Very Aggressive; Investor Class Shs	AOVIX
BlackRock Funds II: BlackRock 80/20 Target Allocation Fund; Investor A Shares	BAAPX
BMO Funds, Inc: BMO Growth Allocation Fund; Class R-6 Shares	BABQX
Calvert Social Investment Fund: Calvert Aggressive Allocation Fund; Class A Shares	CAAAX
Franklin Fund Allocator Series: Franklin Corefolio Allocation Fund; Class A Shares	FTCOX
FundX Investment Trust: FundX Aggressive Upgrader Fund	HOTFX
FundX Investment Trust: FundX Upgrader Fund	FUNDX
Goldman Sachs Trust: Goldman Sachs Equity Growth Strategy Portfolio; Class A Shares	GAPAX
GPS Funds II: GuidePath Growth Allocation Fund; Service Class Shares	GPSTX
GuideStone Funds: Aggressive Allocation Fund; Investor Class Shares	GGBZX
John Hancock Funds II: Multi-Index Lifestyle Aggressive Portfolio; Class 1 Shares	JIOX
John Hancock Funds II: Multimanager Lifestyle Aggressive Portfolio; Class 1 Shares	JILAX
JPMorgan Trust II: JPMorgan Investor Growth Fund; Class A Shares	ONGAX
Legg Mason Partners Equity Trust: QS Growth Fund; Class A Shares	SCHAX
Lord Abbett Investment Trust: Lord Abbett Multi-Asset Focused Growth Fund; Class A Shares	LDSAX
Madison Funds: Madison Aggressive Allocation Fund; Class A Shares	MAGSX
MainStay Funds Trust: MainStay Growth Allocation Fund; Class A Shares	MGXAX
MassMutual Select Funds: MassMutual RetireSMART Growth Fund; Class A Shares	MRRAX
MFS Series Trust X: MFS Aggressive Growth Allocation Fund; Class A Shares	MAAGX
Nationwide Mutual Funds: Nationwide Investor Destinations Aggressive Fund; Service Class Shares	NDASX
Pacific Funds Series Trust: Pacific Funds Portfolio Optimization Aggressive-Growth; Class A Shares	POEAX
Principal Funds, Inc: SAM Conservative Growth Portfolio; Class A Shares	SAGPX
Principal Funds, Inc: SAM Strategic Growth Portfolio; Class A Shares	SACAX
Prudential Investment Portfolios, Inc: Prudential Growth Allocation Fund; Class A Shares	JDAAX
Russell Investment Company: Equity Growth Strategy Fund; Class C Shares	RELCX
SEI Asset Allocation Trust: Market Growth Strategy Allocation Fund; Class F Shares	SGOAX
SEI Asset Allocation Trust: Tax-Managed Aggressive Strategy Fund; Class F Shares	SISAX
Thrivent Mutual Funds: Thrivent Aggressive Allocation Fund; Class A Shares	TAAAX
Transamerica Funds: Transamerica Asset Allocation - Growth Portfolio; Class A Shares	IAAAX



**Index Name Full Fund Name**

**Nasdaq Symbol**

**Lipper Mixed-Asset Target Allocation Conservative Funds Index**

Advisors' Inner Circle Fund: Westwood Income Opportunity Fund; Institutional Shares	WHGIX
American Century Asset Allocation Portfolios, Inc: One Choice Portfolio Very Conservative; Investor Class Shs	AONIX
Chartwell Funds: Berwyn Income Fund	BERIX
Columbia Funds Series Trust II: Columbia Income Builder Fund; Class A Shares	RBBAX
Columbia Funds Series Trust: Columbia Capital Allocation Moderate Conservative Portfolio; Class A Shares	NLGAX
Dimensional Investment Group Inc: Global Allocation 25/75 Portfolio; Institutional Class Shares	DGTSX
Federated Income Securities Trust: Federated Capital Income Fund; Class A Shares	CAPAX
Federated Income Securities Trust: Federated Muni & Stock Advantage Fund; Class A Shares	FMUAX
Fidelity Charles Street Trust: Fidelity Asset Manager 20%	FASIX
Fidelity Charles Street Trust: Fidelity Asset Manager 30%	FTANX
Fidelity Charles Street Trust: Fidelity Asset Manager 40%	FFANX
Fidelity Salem Street Trust: Fidelity Strategic Real Return Fund	FSRRX
Franklin Fund Allocator Series: Franklin Conservative Allocation Fund; Class A Shares	FTCIX
John Hancock Funds II: Multimanager Lifestyle Conservative Portfolio; Class 1 Shares	JILCX
JPMorgan Trust II: JPMorgan Investor Conservative Growth Fund; Class A Shares	OICAX
Lord Abbett Investment Trust: Lord Abbett Multi-Asset Income Fund; Class A Shares	ISFAX
Manning & Napier Fund, Inc: Pro-Blend Conservative Term Series; Class S Shares	EXDAX
MFS Series Trust X: MFS Conservative Allocation Fund; Class A Shares	MACFX
MFS Series Trust XIII: MFS Diversified Income Fund; Class A Shares	DIFAX
Oppenheimer Capital Income Fund; Class A Shares	OPPEX
Oppenheimer Portfolio Series: Conservative Investor Fund; Class A Shares	OACIX
Principal Funds, Inc: SAM Flexible Income Portfolio; Class A Shares	SAUPX
Putnam Asset Allocation Funds: Putnam Dynamic Asset Allocation Conservative Fund; Class A Shares	PACAX
Russell Investment Company: Multi-Strategy Income Fund; Class S Shares	RMYSX
T Rowe Price Personal Strategy Funds, Inc: T Rowe Price Personal Strategy Income Fund	PRSIX
Thrivent Mutual Funds: Thrivent Diversified Income Plus Fund; Class A Shares	AAHYX
Thrivent Mutual Funds: Thrivent Moderately Conservative Allocation Fund; Class A Shares	TCAAX
Vanguard STAR Funds: Vanguard LifeStrategy Income Fund; Investor Shares	VASIX
Vanguard/Wellesley Income Fund, Inc: Vanguard Wellesley Income Fund; Investor Shares	VWINX
Wells Fargo Funds Trust: Wells Fargo WealthBuilder Conservative Allocation Fund; Class C Shares	WCCFX

**Index Name Full Fund Name****Nasdaq Symbol****Lipper Mixed-Asset Target Allocation Growth Funds Index**

AIM Counselor Series Trust (Invesco Counselor Series Trust): Invesco Equity & Income Fund; Class A Shares	ACEIX
American Balanced Fund; Class A Shares	ABALX
American Century Asset Allocation Portfolios, Inc: One Choice Portfolio Aggressive; Investor Class Shares	AOGIX
American Century Asset Allocation Portfolios, Inc: One Choice Portfolio Moderate; Investor Class Shares	AOMIX
American Funds Portfolio Series: American Funds Moderate Growth and Income Portfolio; Class A Shares	BLPAX
Columbia Funds Series Trust I: Columbia Balanced Fund; Class A Shares	CBLAX
Columbia Funds Series Trust: Columbia Capital Allocation Moderate Aggressive Portfolio; Class A Shares	NBIAX
Dodge & Cox Funds: Dodge & Cox Balanced Fund	DODBX
Fidelity Charles Street Trust: Fidelity Asset Manager 70%	FASGX
Fidelity Puritan Trust: Fidelity Balanced Fund	FBALX
Fidelity Puritan Trust: Fidelity Puritan Fund	FPURX
Franklin Fund Allocator Series: Franklin Founding Funds Allocation Fund; Class A Shares	FFALX
Hartford Mutual Funds, Inc: Hartford Checks and Balances Fund; Class A Shares	HCKAX
John Hancock Funds II: Multimanager Lifestyle Growth Portfolio; Class 1 Shares	JILGX
JPMorgan Trust II: JPMorgan Investor Growth & Income Fund; Class A Shares	ONGIX
MFS Series Trust X: MFS Growth Allocation Fund; Class A Shares	MAGWX
Oppenheimer Portfolio Series: Active Allocation Fund; Class A Shares	OAAAX
Pax World Funds Series Trust I: Pax Balanced Fund; Individual Investor Class	PAXWX
Principal Funds, Inc: SAM Balanced Portfolio; Class A Shares	SABPX
Putnam Asset Allocation Funds: Putnam Dynamic Asset Allocation Growth Fund; Class A Shares	PAEAX
T Rowe Price Balanced Fund, Inc	RPBAX
T Rowe Price Capital Appreciation Fund	PRWCX
T Rowe Price Personal Strategy Funds, Inc: T Rowe Price Personal Strategy Growth Fund	TRSGX
Thrivent Mutual Funds: Thrivent Moderately Aggressive Allocation Fund; Class A Shares	TMAAX
Transamerica Funds: Transamerica Asset Allocation - Moderate Growth Portfolio; Class C Shares	IMLLX
Vanguard STAR Funds: Vanguard LifeStrategy Growth Fund; Investor Shares	VASGX
Vanguard STAR Funds: Vanguard LifeStrategy Moderate Growth Fund; Investor Shares	VSMGX
Vanguard STAR Funds: Vanguard STAR Fund; Investor Shares	VGSTX
Vanguard Valley Forge Funds: Vanguard Balanced Index Fund; Admiral Shares	VBIAX
Vanguard/Wellington Fund, Inc; Admiral Shares	VWENX

**Lipper Mixed-Asset Target Allocation Moderate Funds Index**

American Century Asset Allocation Portfolios, Inc: One Choice Portfolio Conservative; Investor Class Shares	AOCIX
American Funds Portfolio Series: American Funds Conservative Growth and Income Portfolio; Class A Shares	INPAX
Columbia Funds Series Trust II: Columbia Capital Allocation Moderate Portfolio; Class A Shares	ABUAX
Dimensional Investment Group Inc: Global Allocation 60/40 Portfolio; Institutional Class Shares	DGSIX
Fidelity Advisor Series I: Fidelity Advisor Balanced Fund; Class M Shares	FAIGX
Fidelity Charles Street Trust: Fidelity Asset Manager 50%	FASMX
Fidelity Charles Street Trust: Fidelity Asset Manager 60%	FSANX
Franklin Custodian Funds: Franklin Income Fund; Class A Shares	FKINX
Franklin Fund Allocator Series: Franklin Moderate Allocation Fund; Class A Shares	FMTIX
Franklin Investors Securities Trust: Franklin Balanced Fund; Class A Shares	FBLAX
GuideStone Funds: Balanced Allocation Fund; Investor Class Shares	GGIZX
Harris Associates Investment Trust: Oakmark Equity and Income Fund; Investor Class Shares	OAKBX
Hartford Mutual Funds, Inc: Hartford Balanced Income Fund; Class A Shares	HBLAX
Income Fund of America; Class A Shares	AMECX
James Advantage Funds: James Balanced: Golden Rainbow Fund; Retail Class Shares	GLRBX
Janus Investment Fund: Janus Henderson Balanced Fund; Class T Shares	JABAX
John Hancock Funds II: Multimanager Lifestyle Balanced Portfolio; Class 1 Shares	JILBX
John Hancock Funds II: Multimanager Lifestyle Moderate Portfolio; Class 1 Shares	JILMX
JPMorgan Trust II: JPMorgan Investor Balanced Fund; Class A Shares	OGIAX
Lord Abbett Investment Trust: Lord Abbett Multi-Asset Balanced Opportunity Fund; Class A Shares	LABFX
MFS Series Trust V: MFS Total Return Fund; Class A Shares	MSFRX
MFS Series Trust X: MFS Moderate Allocation Fund; Class A Shares	MAMAX
Putnam Asset Allocation Funds: Putnam Dynamic Asset Allocation Balanced Fund; Class A Shares	PABAX
State Farm Associates' Funds Trust: State Farm Balanced Fund	STFBX
T Rowe Price Personal Strategy Funds, Inc: T Rowe Price Personal Strategy Balanced Fund	TRPBX
Thrivent Mutual Funds: Thrivent Moderate Allocation Fund; Class A Shares	THMAX
USAA Mutual Funds Trust: Cornerstone Moderate Fund	USBSX
USAA Mutual Funds Trust: Cornerstone Moderately Aggressive Fund	USCRX
Vanguard STAR Funds: Vanguard LifeStrategy Conservative Growth Fund; Investor Shares	VSCGX
Vanguard Tax-Managed Funds: Vanguard Tax-Managed Balanced Fund; Admiral Shares	VTMFX

**Index Name Full Fund Name****Nasdaq Symbol****Lipper Mixed-Asset Target Today Index**

AB Cap Fund, Inc: AB Multi-Manager Select Retirement Allocation Fund; Class K Shares	TDAKX
AIM Growth Series (Invesco Growth Series): Invesco Balanced-Risk Retirement Now Fund; Class A Shares	IANAX
Allianz Funds Multi-Strategy Trust: AllianzGI Retirement Income Fund; Class R6 Shares	AVRIX
American Century Asset Allocation Portfolios, Inc: One Choice In Retirement Portfolio; Class I Shares	ATTIX
BlackRock Funds II: BlackRock LifePath Smart Beta Retirement Fund; Investor A Shares	BAPBX
BlackRock Funds III: BlackRock LifePath Dynamic Retirement Fund; Institutional Shares	STLAX
BlackRock Funds III: BlackRock LifePath Index Retirement Fund; Class K Shares	LIRKX
Fidelity Aberdeen Street Trust: Fidelity Advisor Freedom Income Fund; Class A Shares	FAFAX
Fidelity Aberdeen Street Trust: Fidelity Freedom Income Fund	FFFAX
Fidelity Aberdeen Street Trust: Fidelity Freedom Index Income Fund; Investor Class Shares	FIKFX
Harbor Funds: Harbor Target Retirement Income Fund; Institutional Class Shares	HARAX
John Hancock Funds II: Multi-Index Income Preservation Portfolio; Class 1 Shares	JRFOX
JPMorgan Trust I: JPMorgan SmartRetirement Blend Income Fund; Class R6 Shares	JIYBX
JPMorgan Trust I: JPMorgan SmartRetirement Income Fund; Class R5 Shares	JSIIX
Manning & Napier Fund, Inc: Target Income Series; Class K Shares	MTDKX
MassMutual Select Funds: MassMutual RetireSMART In Retirement Fund; Service Class Shares	MDRSX
MFS Series Trust XII: MFS Lifetime Income Fund; Class A Shares	MLLAX
PIMCO Funds: PIMCO RealPath Income Fund; Institutional Class Shares	PRIEX
Principal Funds, Inc: Principal LifeTime Hybrid Income Fund; Institutional Class Shares	PHTFX
Principal Funds, Inc: Principal LifeTime Strategic Income Fund; Institutional Class Shares	PLSIX
State Street Institutional Investment Trust: State Street Target Retirement Fund; Class K Shares	SSFOX
T Rowe Price Retirement Funds, Inc: T Rowe Price Retirement Balanced Fund	TRRIX
T Rowe Price Retirement Funds, Inc: T Rowe Price Retirement I Balanced Fund; Class I Shares	TRPTX
TIAA-CREF Funds: Lifecycle Index Retirement Income Fund; Institutional Class Shares	TRILX
TIAA-CREF Funds: Lifecycle Retirement Income Fund; Retirement Class Shares	TLIRX
Transamerica Funds: ClearTrack Retirement Income; Class R1 Shares	TCITX
USAA Mutual Funds Trust: Target Retirement Income Fund	URINX
Vanguard Chester Funds: Vanguard Institutional Target Retirement Income Fund; Institutional Class Shares	VITRX
Vanguard Chester Funds: Vanguard Target Retirement Income Fund; Investor Class Shares	VTINX
Wells Fargo Funds Trust: Wells Fargo Target Today Fund; Class R6 Shares	WOTDX

**Index Name Full Fund Name****Nasdaq Symbol****Lipper Multi-Cap Core Funds Index**

AIM Counselor Series Trust (Invesco Counselor Series Trust): Invesco Equally-Weighted S&P 500 Fund; CI Y Shs	VADDX
AMCAP Fund; Class A Shares	AMCPX
DFA Investment Dimensions Group Inc: TA US Core Equity 2 Portfolio; Institutional Class Shares	DFTCX
DFA Investment Dimensions Group Inc: Tax-Managed US Equity Portfolio; Institutional Class Shares	DTMEX
DFA Investment Dimensions Group Inc: US Core Equity 1 Portfolio; Institutional Class Shares	DFEOX
DFA Investment Dimensions Group Inc: US Core Equity 2 Portfolio; Institutional Class Shares	DFQTX
Fidelity Aberdeen Street Trust: Fidelity Four-in-One Index Fund	FFNOX
Fidelity Capital Trust: Fidelity Stock Selector All Cap	FDSSX
Fidelity Capital Trust: Fidelity Value Fund	FDVLX
Fidelity Concord Street Trust: Fidelity Total Market Index Fund; Premium Class Shares	FSTVX
Fidelity Mt Vernon Street Trust: Fidelity New Millennium Fund	FMILX
Fidelity Securities Fund: Fidelity Leveraged Company Stock Fund	FLVCX
Franklin Managed Trust: Franklin Rising Dividends Fund; Class A Shares	FRDPX
Hartford Mutual Funds, Inc: Hartford Capital Appreciation Fund; Class A Shares	ITHAX
John Hancock Funds III: John Hancock Disciplined Value Mid Cap Fund; Institutional Class Shares	JVMIX
JPMorgan Trust I: JPMorgan Intrepid America Fund; Class R6 Shares	JIAPX
Longleaf Partners Funds Trust: Longleaf Partners Fund	LLPFX
Mairs & Power Funds Trust: Mairs & Power Growth Fund, Inc	MPGFX
Parnassus Funds: Parnassus Endeavor Fund	PARWX
RBB Fund, Inc: Free Market US Equity Fund; Institutional Class Shares	FMUEX
Russell Investment Company: US Strategic Equity Fund; Class S Shares	RSEEX
Schwab Capital Trust: Schwab Core Equity Fund	SWANX
Schwab Capital Trust: Schwab Total Stock Market Index Fund	SWTSX
SEI Institutional Managed Trust: Tax-Managed Large Cap Fund; Class F Shares	TMLCX
T Rowe Price Spectrum Fund, Inc: Spectrum Growth Fund	PRSGX
TIAA-CREF Funds: Equity Index Fund; Institutional Class Shares	TIEIX
TIAA-CREF Funds: Growth & Income Fund; Institutional Class Shares	TIGRX
Vanguard Index Funds: Vanguard Total Stock Market Index Fund; Investor Class Shares	VTSMX
Vanguard Institutional Index Fund: Vanguard Institutional Total Stock Market Index Fund; Institutional Plus	VITPX
Vanguard Tax-Managed Funds: Vanguard Tax-Managed Capital Appreciation Fund; Admiral Shares	VTCLX

**Index Name Full Fund Name****Nasdaq Symbol****Lipper Multi-Cap Growth Funds Index**

AIM Equity Funds (Invesco Equity Funds): Invesco Summit Fund; Class P Shares	SMMIX
Artisan Partners Funds, Inc: Artisan Mid Cap Fund; Investor Shares	ARTMX
Federated Equity Funds: Federated Kaufmann Fund; Class R Shares	KAUFX
Fidelity Capital Trust: Fidelity Capital Appreciation Fund	FDCAX
Fidelity Commonwealth Trust: Fidelity NASDAQ Composite Index Fund	FNCMX
Fidelity Contrafund: Fidelity Advisor New Insights Fund; Class I Shares	FINSX
Fidelity Financial Trust: Fidelity Independence Fund	FDFFX
Fidelity Mt Vernon Street Trust: Fidelity Growth Company Fund	FDGRX
Fidelity Mt Vernon Street Trust: Fidelity Growth Strategies Fund	FDEGX
Fidelity Mt Vernon Street Trust: Fidelity Series Growth Company Fund	FCGSX
Fidelity Securities Fund: Fidelity OTC Portfolio	FOCPX
Franklin Custodian Funds: Franklin DynaTech Fund; Class A Shares	FKDNX
Franklin Custodian Funds: Franklin Growth Fund; Class A Shares	FKGRX
Franklin Strategic Series: Franklin Growth Opportunities Fund; Class A Shares	FGRAX
Goldman Sachs Trust: Goldman Sachs Growth Opportunities Fund; Institutional Shares	GGOIX
Hennessy Funds Trust: Hennessy Focus Fund; Investor Class Shares	HFCSX
Janus Investment Fund: Janus Henderson Research Fund; Class D Shares	JNRFX
JP Morgan Mutual Fund Investment Trust: JPMorgan Growth Advantage Fund; Class R6 Shares	JGVVX
Legg Mason Partners Equity Trust: ClearBridge Aggressive Growth Fund; Class A Shares	SHRAX
New Economy Fund; Class A Shares	ANEFX
PRIMECAP Odyssey Funds: PRIMECAP Odyssey Growth Fund	POGRX
Principal Funds, Inc: LargeCap Growth Fund I; Institutional Class Shares	PLGIX
Principal Funds, Inc: MidCap Fund; Institutional Class Shares	PCBIX
Professionally Managed Portfolios: Akre Focus Fund; Retail Class Shares	AKREX
Putnam Multi-Cap Growth Fund; Class A Shares	PNOPX
Sequoia Fund, Inc	SEQUX
TIAA-CREF Funds: Enhanced Large-Cap Growth Index Fund; Institutional Class Shares	TLIIX
Vanguard Horizon Funds: Vanguard Capital Opportunity Fund; Admiral Shares	VHCAX
Vanguard Morgan Growth Fund; Admiral Shares	VMRAX
Wells Fargo Funds Trust: Wells Fargo Growth Fund; Institutional Class Shares	SGRNX

**Lipper Multi-Cap Value Funds Index**

Advisors' Inner Circle Fund: LSV Value Equity Fund; Institutional Class Shares	LSVEX
American Beacon Funds: American Beacon Bridgeway Large Cap Value Fund; Investor Class Shares	BWLIX
American Century Capital Portfolios, Inc: Mid Cap Value Fund; Investor Class Shares	ACMVX
Ariel Investment Trust: Ariel Appreciation Fund; Investor Class Shares	CAAPX
BlackRock Basic Value Fund, Inc; Institutional Shares	MABAX
DFA Investment Dimensions Group Inc: US Vector Equity Portfolio; Institutional Class Shares	DFVEX
Fairholme Funds, Inc: Fairholme Fund	FAIRX
Fidelity Commonwealth Trust II: Fidelity Large Cap Value Enhanced Index Fund	FLVEX
Fidelity Devonshire Trust: Fidelity Mid Cap Value Fund; Mid Cap Value Shares	FSMVX
Fidelity Puritan Trust: Fidelity Value Discovery Fund	FVDFX
Fidelity Salem Street Trust: Fidelity Series 1000 Value Index Fund	FIOOX
Franklin Mutual Series Funds: Franklin Mutual Shares Fund; Class Z Shares	MUTHX
Harris Associates Investment Trust: Oakmark Select Fund; Investor Class Shares	OAKLX
John Hancock Capital Series: John Hancock Classic Value Fund; Class I Shares	JCVIX
JPMorgan Trust I: JPMorgan Value Advantage Fund; Class L Shares	JVAIX
Legg Mason Partners Equity Trust: ClearBridge All Cap Value Fund; Class A Shares	SHFVX
PACE Select Advisors Trust: PACE Large Co Value Equity Investments; Class P Shares	PCLVX
Principal Funds, Inc: LargeCap Value Fund; Institutional Class Shares	PVLIX
SEI Institutional Managed Trust: Large Cap Value Fund; Class F Shares	TRMVX
SEI Institutional Managed Trust: US Managed Volatility Fund; Class F Shares	SVOAX
SunAmerica Series, Inc: AIG Focused Dividend Strategy Fund; Class A Shares	FDSAX
TIAA-CREF Funds: Enhanced Large-Cap Value Index Fund; Institutional Class Shares	TEVIX
TIAA-CREF Funds: Large-Cap Value Fund; Institutional Class Shares	TRLIX
TIAA-CREF Funds: Large-Cap Value Index Fund; Institutional Class Shares	TILVX
TIAA-CREF Funds: Mid-Cap Value Fund; Institutional Class Shares	TIMVX
Vanguard Malvern Funds: Vanguard US Value Fund; Investor Shares	VUVLX
Vanguard Scottsdale Funds: Vanguard Russell 1000 Value Index Fund; Institutional Shares	VRVIX
Vanguard Whitehall Funds: Vanguard Selected Value Fund; Investor Shares	VASVX
Vanguard Windsor Funds: Vanguard Windsor Fund; Admiral Shares	VWNEX
Virtus Asset Trust: Virtus Ceredex Mid-Cap Value Equity Fund; Class I Shares	SMVTX

**Index Name    Full Fund Name**

**Nasdaq Symbol**

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**Lipper Retirement Income Funds Index**

American Funds Retirement Income Portfolio Series: American Funds Retirement Income - Conservative; Class A	NAARX
American Funds Retirement Income Portfolio Series: American Funds Retirement Income - Enhanced; Class A	NDARX
American Funds Retirement Income Portfolio Series: American Funds Retirement Income - Moderate; Class A	NBARX
Franklin Fund Allocator Series: Franklin LifeSmart Retirement Income Fund; Class A Shares	FTRAX
Putnam RetirementReady Funds: Putnam Retirement Income Fund Lifestyle 1; Class A Shares	PRMAX
Schwab Capital Trust: Schwab Monthly Income Fund -- Enhanced Payout	SWKRX
Schwab Capital Trust: Schwab Monthly Income Fund -- Maximum Payout	SWLRX
Schwab Capital Trust: Schwab Monthly Income Fund -- Moderate Payout	SWJRX
Vanguard Valley Forge Funds: Vanguard Managed Payout Fund; Investor Shares	VPGDY
Voya Series Fund, Inc: Voya Global Target Payment Fund; Class C Shares	IGPCX



**Index Name Full Fund Name****Nasdaq Symbol****Lipper S&P 500 Index Funds Index**

AIM Counselor Series Trust (Invesco Counselor Series Trust): Invesco S&P 500 Index Fund; Class A Shares	SPIAX
Columbia Funds Series Trust: Columbia Large Cap Index Fund; Institutional Class Shares	NINDX
Deutsche Institutional Funds: Deutsche Equity 500 Index Fund; Institutional Class Shares	BTIIX
Dimensional Investment Group Inc: US Large Company Portfolio; Institutional Class Shares	DFUSX
Dreyfus Index Funds, Inc: Dreyfus S&P 500 Index Fund	PEOPX
Dreyfus/Laurel Funds, Inc: Dreyfus Institutional S&P 500 Stock Index Fund; Class I Shares	DSPIX
Federated Index Trust: Federated Max-Cap Index Fund; Institutional Shares	FISPX
Fidelity Concord Street Trust: Fidelity 500 Index Fund; Premium Class Shares	FUSVX
GuideStone Funds: Equity Index Fund; Investor Class Shares	GEQZX
JPMorgan Trust II: JPMorgan Equity Index Fund; Class I Shares	HLEIX
Legg Mason Partners Equity Trust: QS S&P 500 Index Fund; Class A Shares	SBSPX
MainStay Funds Trust: MainStay S&P 500 Index Fund; Class I Shares	MSPIX
MassMutual Select Funds: MM S&P 500 Index Fund; Class R5 Shares	MIEZX
Nationwide Mutual Funds: Nationwide S&P 500 Index Fund; Class R6 Shares	GRMIX
Northern Funds: Stock Index Fund	NOSIX
Principal Funds, Inc: LargeCap S&P 500 Index Fund; Institutional Class Shares	PLFIX
Prudential Investment Portfolios 8: Prudential QMA Stock Index Fund; Class Z Shares	PSIFX
Rydex Series Funds: S&P 500 Fund; H-Class Shares	RYSPX
Schwab Capital Trust: Schwab S&P 500 Index Fund	SWPPX
SEI Institutional Investments Trust: S&P 500 Index Fund; Class A Shares	SPINX
SEI Institutional Managed Trust: S&P 500 Index Fund; Class F Shares	SSPIX
SSgA Funds: SSgA S&P 500 Index Fund; Class N Shares	SVSPX
State Street Institutional Investment Trust: State Street Equity 500 Index II Portfolio	SSEYX
T Rowe Price Index Trust, Inc: T Rowe Price Equity Index 500 Fund	PREIX
TIAA-CREF Funds: S&P 500 Index Fund; Institutional Class Shares	TISPX
Transamerica Funds: Transamerica Stock Index; Class R4 Shares	TSTFX
USAA Mutual Funds Trust: S&P 500 Index Fund; Member Shares	USSPX
Vanguard Index Funds: Vanguard 500 Index Fund; Admiral Shares	VFIAX
Vanguard Institutional Index Fund: Vanguard Institutional Index Fund; Institutional Shares	VINIX
Wells Fargo Funds Trust: Wells Fargo Index Fund; Administrator Class Shares	WFIOX

**Lipper Small-Cap Core Funds Index**

American Beacon Funds: American Beacon Small Cap Value Fund; Institutional Class Shares	AVFIX
Columbia Funds Series Trust: Columbia Small Cap Index Fund; Institutional Class Shares	NMSCX
Delaware Group Equity Funds V: Delaware Small Cap Value Fund; Institutional Class Shares	DEVIX
DFA Investment Dimensions Group Inc: Tax-Managed US Small Cap Portfolio; Institutional Class Shares	DFTSX
DFA Investment Dimensions Group Inc: US Micro Cap Portfolio; Institutional Class Shares	DFSCX
DFA Investment Dimensions Group Inc: US Small Cap Portfolio; Institutional Class Shares	DFSTX
Dreyfus Index Funds, Inc: Dreyfus Smallcap Stock Index Fund; Investor Class Shares	DISSX
Fidelity Commonwealth Trust: Fidelity Small Cap Discovery Fund	FSCRX
Fidelity Commonwealth Trust: Fidelity Small Cap Stock Fund	FSLCX
Fidelity Rutland Square Trust II: Strategic Advisers Small-Mid Cap Fund	FSCFX
Fidelity Salem Street Trust: Fidelity Small Cap Index Fund; Premium Class	FSSVX
Fidelity Securities Fund: Fidelity Small Cap Value Fund	FCPVX
Gabelli Equity Series Funds, Inc: Gabelli Small Cap Growth Fund; Class AAA Shares	GABSX
Goldman Sachs Trust: Goldman Sachs Small Cap Value Fund; Institutional Shares	GSSIX
JPMorgan Trust I: JPMorgan Small Cap Equity Fund; Class I Shares	VSEIX
Longleaf Partners Funds Trust: Longleaf Partners Small-Cap Fund	LLSCX
Royce Fund: Royce Pennsylvania Mutual Fund; Investment Class Shares	PENNX
Royce Fund: Royce Premier Fund; Investment Class Shares	RYPRX
Royce Fund: Royce Total Return Fund; Investment Class Shares	RYTRX
Schwab Capital Trust: Schwab Small-Cap Index Fund	SWSSX
SEI Institutional Investments Trust: Small/Mid Cap Equity Fund; Class A Shares	SSMAX
T Rowe Price Institutional Equity Funds, Inc: T Rowe Price Institutional Small-Cap Stock Fund	TRSSX
T Rowe Price Small-Cap Stock Fund, Inc	OTCFX
T Rowe Price Small-Cap Value Fund, Inc	PRSVX
TIAA-CREF Funds: Small-Cap Blend Index Fund; Institutional Class Shares	TISBX
TIAA-CREF Funds: Small-Cap Equity Fund; Institutional Class Shares	TISEX
Undiscovered Managers Funds: Undiscovered Managers Behavioral Value Fund; Class L Shares	UBVLX
Vanguard Index Funds: Vanguard Small-Cap Index Fund; Admiral Shares	VSMAX
Vanguard Tax-Managed Funds: Vanguard Tax-Managed Small-Cap Fund;Admiral Shares	VTMSX
Victory Portfolios: Victory Sycamore Small Company Opportunity Fund; Class I Shares	VSOIX

**Lipper Small-Cap Growth Funds Index**

AIM Growth Series (Invesco Growth Series): Invesco Small Cap Growth Fund; Class R5 Shares	GTSVX
AMG Funds: AMG TimesSquare Small Cap Growth Fund; Class Z Shares	TSCIX
Artisan Partners Funds, Inc: Artisan Small Cap Fund; Investor Shares	ARTSX
Brown Capital Management Mutual Funds: Brown Capital Management Small Company Fund; Investor Shares	BCSIX
Carillon Series Trust: Carillon Eagle Small Cap Growth Fund; Class I Shares	HSIIX
Delaware Group Equity Funds IV: Delaware Smid Cap Growth Fund; Class A Shares	DFCIX
Fidelity Securities Fund: Fidelity Small Cap Growth Fund	FCPGX
Franklin Strategic Series: Franklin Small Cap Growth Fund; Class R6 Shares	FSMLX
Investment Managers Series Trust: Oak Ridge Small Cap Growth Fund; Class I Shares	ORIYX
Janus Investment Fund: Janus Henderson Triton Fund; Class T Shares	JATTX
Janus Investment Fund: Janus Henderson Venture Fund; Class D Shares	JANVX
Legg Mason Partners Equity Trust: ClearBridge Small Cap Growth Fund; Class I Shares	SBPYX
Loomis Sayles Funds II: Loomis Sayles Small Cap Growth Fund; Institutional Class	LSSIX
Lord Abbett Developing Growth Fund Inc; Class I Shares	LADYX
Meridian Fund, Inc: Meridian Growth Fund; Legacy Class Shares	MERDX
Neuberger Berman Equity Funds: Neuberger Berman Genesis Fund; Class R6 Shares	NRGSX
Oppenheimer Discovery Fund; Class A Shares	OPOCX
PNC Funds: PNC Small Cap Fund; Class I Shares	PPCIX
Principal Funds, Inc: SmallCap Growth Fund I; Institutional Class Shares	PGRTX
Prudential Jennison Small Company Fund, Inc; Class Z Shares	PSCZX
Strategic Funds, Inc: Dreyfus Select Managers Small Cap Growth Fund; Class Y Shares	DSGYX
T Rowe Price New Horizons Fund, Inc	PRNHX
T Rowe Price Quantitative Management Funds, Inc: T Rowe Price QM US Sm-Cap Growth Eqty Fd, Inc	PRDSX
Vanguard Explorer Fund; Admiral Shares	VEXRX
Vanguard Index Funds: Vanguard Small-Cap Growth Index Fund; Admiral Class Shares	VSGAX
Victory Portfolios: Victory RS Small Cap Growth Fund; Class Y Shares	RSYEX
Waddell & Reed Advisors Funds: Waddell & Reed Advisors Small Cap Fund; Class A Shares	UNSAX
Wasatch Funds Trust: Wasatch Core Growth Fund; Investor Class Shares	WGROX
Wasatch Funds Trust: Wasatch Small Cap Growth Fund; Investor Class Shares	WAAEX
Wells Fargo Funds Trust: Wells Fargo Small Company Growth Fund; Institutional Class Shares	WSCGX

**Lipper Small-Cap Value Funds Index**

Adirondack Funds: Adirondack Small Cap Fund	ADKSX
AIM Sector Funds (Invesco Sector Funds): Invesco Small Cap Value Fund; Class A Shares	VSCAX
Allianz Funds: AllianzGI NFJ Small-Cap Value Fund; Institutional Class Shares	PSVIX
Bridgeway Funds, Inc: Bridgeway Omni Small-Cap Value Fund	BOSVX
Bridgeway Funds, Inc: Bridgeway Omni Tax-Managed Small-Cap Value Fund	BOTSX
Columbia Funds Series Trust I: Columbia Small Cap Value Fund I; Class A Shares	CSMIX
DFA Investment Dimensions Group Inc: Tax-Managed US Targeted Value Portfolio; Institutional Class Shares	DTMVX
DFA Investment Dimensions Group Inc: US Small Cap Value Portfolio; Institutional Class Shares	DFS VX
DFA Investment Dimensions Group Inc: US Targeted Value Portfolio; Institutional Class Shares	DFVX
Federated Equity Funds: Federated Clover Small Value Fund; Institutional Class Shares	VSVIX
FPA Capital Fund, Inc	FPPTX
Franklin Value Investors Trust: Franklin Small Cap Value Fund; Class A Shares	FRVLX
Guggenheim Funds Trust: Guggenheim Mid Cap Value Fund; Class A Shares	SEVAX
Heartland Group, Inc: Heartland Value Fund; Investor Class Shares	HRTVX
Heartland Group, Inc: Heartland Value Plus Fund; Investor Class Shares	HRVIX
Hotchkis & Wiley Funds: Hotchkis & Wiley Small Cap Value Fund; Class I Shares	HWSIX
JPMorgan Trust II: JPMorgan Small Cap Value Fund; Class A Shares	PSOAX
MFS Series Trust XIII: MFS New Discovery Value Fund; Class R6 Shares	NDVVX
Northern Funds: Small Cap Value Fund	NOSGX
Nuveen Investment Funds, Inc: Nuveen Small Cap Value Fund; Class I Shares	FSCCX
Perritt Funds, Inc: Perritt MicroCap Opportunities Fund	PRCGX
RBB Fund, Inc: Boston Partners Small Cap Value II Fund; Institutional Class Shares	BPSIX
Royce Fund: Royce Opportunity Fund; Investment Class Shares	RYPNX
Royce Fund: Royce Special Equity Fund; Investment Class Shares	RYSEX
SEI Institutional Managed Trust: Small Cap Value Fund; Class F Shares	SESVX
Target Portfolio Trust: Prudential QMA Small-Cap Value Fund; Class Z Shares	TASVX
Vanguard Index Funds: Vanguard Small-Cap Value Index Fund; Investor Class Shares	VISVX
Vericimetry Funds: Vericimetry US Small Cap Value Fund	VYSVX
Walthausen Funds: Walthausen Small Cap Value Fund	WSCVX
Wells Fargo Funds Trust: Wells Fargo Special Small Cap Value Fund; Class A Shares	ESPAX

**Index Name    Full Fund Name**

**Nasdaq Symbol**

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**Lipper Specialty Diversified Equity Funds Index**

Advisors Series Trust: Scharf Alpha Opportunity Fund; Retail Class Shares	HEDJX
Comstock Funds, Inc: Comstock Capital Value Fund; Class A Shares	DRCVX
Federated Equity Funds: Federated Prudent Bear Fund; Class A Shares	BEARX
ICON Funds: ICON Risk-Managed Balanced Fund; Class S Shares	IOCZX
Investment Managers Series Trust II: MarketGrader 100 Enhanced Index Fund; Class I Shares	KHMIX
Investment Managers Series Trust: Ironclad Managed Risk Fund	IRONX
Northern Lights Fund Trust III: Swan Defined Risk Fund; Class I Shares	SDRIX
Northern Lights Fund Trust: Chadwick & D'Amato Fund	CDFFX
Northern Lights Fund Trust: Probabilities Fund; Class I Shares	PROTX
PIMCO Funds: PIMCO StocksPLUS Long Duration Fund; Institutional Class Shares	PSLDX

**Equity**

**Lipper Absolute Return Funds Index**

AIM Investment Funds (Invesco Investment Funds): Invesco Global Targeted Returns Fund; Class Y Shares	GLTYX
Allianz Funds Multi-Strategy Trust: AllianzGI Structured Return Fund; Institutional Class Shares	AZII
AQR Funds: AQR Style Premia Alternative Fund; Class I Shares	QSPIX
AQR Funds: AQR Style Premia Alternative LV Fund; Class I Shares	QSLIX
Causeway Capital Management Trust: Causeway Global Absolute Return Fund; Institutional Class Shares	CGAIX
Federated Equity Funds: Federated Absolute Return Fund; Class A Shares	FMAAX
Financial Investors Trust: Highland Resolute Fund; Class I Shares	RMRGX
Forum Funds: Absolute Strategies Fund; Institutional Shares	ASFIX
FundVantage Trust: Gotham Absolute Return Fund; Institutional Class Shares	GARIX
Goldman Sachs Trust: Goldman Sachs Absolute Return Tracker Fund; Institutional Class Shares	GJRTX
Goldman Sachs Trust: Goldman Sachs Alternative Premia Fund; Institutional Class Shares	GDIFX
GPS Funds II: GuidePath Absolute Return Allocation Fund; Service Class Shares	GPARG
Hartford Mutual Funds II, Inc: Hartford Schroders Emerging Markets Debt & Currency Fund; Class I Shares	SARNX
Hartford Mutual Funds, Inc: Hartford Real Total Return Fund; Class Y Shares	HABPX
Horizon Funds: Horizon Active Risk Assist Fund; Investor Class Shares	ARANX
Janus Investment Fund: Janus Henderson Diversified Alternatives Fund; Class N Shares	JDANX
John Hancock Funds II: Global Absolute Return Strategies Fund; Class I Shares	JHAIX
Managed Portfolio Series: ATAC Inflation Rotation Fund; Investor Class Shares	ATACX
Metropolitan West Funds: Metropolitan West Strategic Income Fund; Class I Shares	MWSIX
Natixis Funds Trust II: Loomis Sayles Strategic Alpha Fund; Class Y Shares	LASYX
Payden & Rygel Investment Group: Payden Absolute Return Bond Fund; Investor Class Shares	PYARX
PIMCO Funds: PIMCO Mortgage Opportunities Fund; Institutional Class Shares	PMZIX
Putnam Funds Trust: Putnam Absolute Return 100 Fund; Class A Shares	PARTX
Putnam Funds Trust: Putnam Absolute Return 300 Fund; Class Y Shares	PYTRX
Putnam Funds Trust: Putnam Absolute Return 500 Fund; Class Y Shares	PJMYX
Putnam Funds Trust: Putnam Absolute Return 700 Fund; Class Y Shares	PDMYX
SEI Institutional Managed Trust: Multi-Asset Inflation Managed Fund; Class F Shares	SIFAX
Trust for Advised Portfolios: Fulcrum Diversified Absolute Return Fund; Super Institutional Class Shares	FARYX
Two Roads Shared Trust: Hanlon Managed Income Fund; Class I Shares	HANIX
Virtus Alternative Solutions Trust: Virtus Aviva Multi-Strategy Target Return Fund; Class I Shares	VMSIX

**Index Name    Full Fund Name**

**Nasdaq Symbol**

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**Lipper Alternative Equity Market Neutral Funds Index**

American Century Capital Portfolios, Inc: AC Alternatives Market Neutral Value Fund; Investor Class Shs	ACVVX
AQR Funds: AQR Equity Market Neutral Fund; Class I Shares	QMNIX
Calamos Investment Trust: Calamos Market Neutral Income Fund; Class A Shares	CVSIX
FundVantage Trust: Gotham Neutral Fund; Institutional Class Shares	GONIX
Gateway Trust: Gateway Fund; Class A Shares	GATEX
GMO Trust: GMO Alpha Only Fund; Class IV Shares	GAPOX
Investment Managers Series Trust: Palmer Square SSI Alternative Income Fund; Class I Shares	PSCIX
JPMorgan Trust I: JPMorgan Research Market Neutral Fund; Class L Shares	JPMNX
PIMCO Funds: PIMCO RAE Fundamental Advantage PLUS Fund; Institutional Class Shares	PFATX
Vanguard Montgomery Funds: Vanguard Market Neutral Fund; Investor Shs	VMNFX

**Lipper Alternative Multi-Strategy Funds Index**

Advantage Funds, Inc: Dreyfus Global Real Return Fund; Class Y Shares	DRRYX
AQR Funds: AQR Multi-Strategy Alternative Fund; Class I Shares	ASAIX
Aspiriant Trust: Aspiriant Defensive Allocation Fund	RMDFX
BlackRock Funds: BlackRock Multi-Manager Alternative Strategies Fund; Institutional Class Shares	BMMNX
Blackstone Alternative Investment Funds: Blackstone Alternative Multi-Strategy Fund; Class I Shares	BXMIX
BMO Funds, Inc: BMO Alternative Strategies Fund; Class I Shares	BMASX
BNY Mellon Absolute Insight Funds, Inc: BNY Mellon Absolute Insight Multi-Strategy Fund; Class Y Shares	MAJYX
Columbia Funds Series Trust I: Columbia Alternative Beta Fund; Class T Shares	CLAWX
Columbia Funds Series Trust I: Columbia Multi-Manager Alternative Strategies Fund; Class A Shares	CPASX
Credit Suisse Opportunity Funds: Credit Suisse Multialternative Strategy Fund; Class I Shares	CSQIX
Dreyfus BNY Mellon Funds, Inc: Dreyfus Alternative Diversifier Strategies Fund; Class Y Shares	DRYNX
Franklin Alternative Strategies Funds: Franklin K2 Alternative Strategies Fund; Advisor Class Shares	FABZX
Goldman Sachs Trust II: Goldman Sachs Multi-Manager Alternatives Fund; Institutional Class Shares	GSMMX
John Hancock Funds II: Alternative Asset Allocation Fund; Class I Shares	JAAIX
JPMorgan Trust I: JPMorgan Systematic Alpha Fund; Class R6 Shares	JALPX
JPMorgan Trust III: JPMorgan Multi-Manager Alternatives Fund; Class I Shares	JMMSX
Legg Mason Partners Equity Trust: EnTrustPermal Alternative Core Fund; Class I Shares	LPTIX
Litman Gregory Funds Trust: Litman Gregory Masters Alternative Strategies Fund; Institutional Class Shares	MASFX
MainStay Funds Trust: MainStay Absolute Return Multi-Strategy Fund; Class I Shares	MSNIX
Natixis Funds Trust II: ASG Global Alternatives Fund; Class Y Shares	GAFYX
Neuberger Berman Alternative Funds: Neuberger Berman Absolute Return Multi-Manager Fund; Instl Class Shares	NABIX
Northern Lights Fund Trust: Grant Park Multi Alternative Strategies Fund; Class I Shares	GPAIX
PACE Select Advisors Trust: PACE Alternative Strategies Investments; Class P Shares	PASPX
Principal Funds, Inc: Global Multi-Strategy Fund; Institutional Class Shares	PSMIX
SEI Institutional Managed Trust: Multi-Strategy Alternative Fund; Class F Shares	SMSAX
Stadion Investment Trust: Stadion Alternative Income Fund; Class I Shares	TACSX
Trust for Advised Portfolios: Infinity Q Diversified Alpha Fund; Institutional Class Shares	IQDNX
Vanguard Trustees' Equity Fund: Vanguard Alternative Strategies Fund; Investor Class Shares	VASFX
Wells Fargo Funds Trust: Wells Fargo Alternative Strategies Fund; Institutional Class Shares	WAITX
Wilmington Funds: Wilmington Global Alpha Equities Fund; Class I Shares	WRAIX



**Index Name Full Fund Name****Nasdaq Symbol****Lipper Balanced Funds Index**

American Balanced Fund; Class A Shares	ABALX
American Funds Portfolio Series: American Funds Moderate Growth and Income Portfolio; Class A Shares	BLPAX
Columbia Funds Series Trust I: Columbia Balanced Fund; Class A Shares	CBLAX
Columbia Funds Series Trust: Columbia Capital Allocation Moderate Aggressive Portfolio; Class A Shares	NBIAX
Dimensional Investment Group Inc: Global Allocation 60/40 Portfolio; Institutional Class Shares	DGSIX
Dodge & Cox Funds: Dodge & Cox Balanced Fund	DODBX
Fidelity Puritan Trust: Fidelity Balanced Fund	FBALX
Fidelity Puritan Trust: Fidelity Puritan Fund	FPURX
Franklin Investors Securities Trust: Franklin Balanced Fund; Class A Shares	FBLAX
Harris Associates Investment Trust: Oakmark Equity and Income Fund; Investor Class Shares	OAKBX
James Advantage Funds: James Balanced: Golden Rainbow Fund; Retail Class Shares	GLRBX
Janus Investment Fund: Janus Henderson Balanced Fund; Class T Shares	JABAX
John Hancock Funds II: Multimanager Lifestyle Balanced Portfolio; Class 1 Shares	JILBX
JPMorgan Trust II: JPMorgan Investor Balanced Fund; Class A Shares	OGIAX
MFS Series Trust V: MFS Total Return Fund; Class A Shares	MSFRX
MFS Series Trust X: MFS Moderate Allocation Fund; Class A Shares	MAMAX
Principal Funds, Inc: SAM Balanced Portfolio; Class A Shares	SABPX
State Farm Associates' Funds Trust: State Farm Balanced Fund	STFBX
T Rowe Price Balanced Fund, Inc	RPBAX
Thrivent Mutual Funds: Thrivent Moderate Allocation Fund; Class A Shares	THMAX
Vanguard Chester Funds: Vanguard Target Retirement 2015 Fund; Investor Class Shares	VTXVX
Vanguard Chester Funds: Vanguard Target Retirement 2020 Fund; Investor Class Shares	VTWNX
Vanguard Chester Funds: Vanguard Target Retirement 2025 Fund; Investor Class Shares	VTTVX
Vanguard STAR Funds: Vanguard LifeStrategy Conservative Growth Fund; Investor Shares	VSCGX
Vanguard STAR Funds: Vanguard LifeStrategy Income Fund; Investor Shares	VASIX
Vanguard STAR Funds: Vanguard LifeStrategy Moderate Growth Fund; Investor Shares	VSMGX
Vanguard STAR Funds: Vanguard STAR Fund; Investor Shares	VGSTX
Vanguard Tax-Managed Funds: Vanguard Tax-Managed Balanced Fund; Admiral Shares	VTMFX
Vanguard Valley Forge Funds: Vanguard Balanced Index Fund; Admiral Shares	VBIAX
Vanguard/Wellington Fund, Inc; Admiral Shares	VWENX

**Index Name Full Fund Name**

**Nasdaq Symbol**

**Lipper Capital Appreciation Funds Index**

Advantage Funds, Inc: Dreyfus Strategic Value Fund; Class A Shares	DAGVX
Alger Funds II: Alger Spectra Fund; Class A Shares	SPECX
Alger Funds: Alger Capital Appreciation Fund; Class A Shares	ACAAX
Alger Institutional Funds: Alger Capital Appreciation Institutional Fund; Class I Shares	ALARX
Broadview Funds Trust: Broadview Opportunity Fund	BVAOX
CGM Trust: CGM Focus Fund	CGMFX
Fidelity Advisor Series I: Fidelity Advisor Leveraged Company Stock Fund; Class A Shares	FLSAX
Fidelity Capital Trust: Fidelity Capital Appreciation Fund	FDCAx
Fidelity Financial Trust: Fidelity Independence Fund	FDFFX
Fidelity Mt Vernon Street Trust: Fidelity New Millennium Fund	FMILX
Fidelity Securities Fund: Fidelity Leveraged Company Stock Fund	FLVCX
First Eagle Funds: First Eagle Fund of America; Class A Shares	FEFAX
Franklin Value Investors Trust: Franklin Balance Sheet Investment Fund; Class A Shares	FRBSX
Goldman Sachs Trust: Goldman Sachs US Tax-Managed Equity Fund; Institutional Shares	GCTIX
Hartford Mutual Funds, Inc: Hartford Capital Appreciation Fund; Class A Shares	ITHAX
Janus Investment Fund: Janus Henderson Research Fund; Class D Shares	JNRFx
JP Morgan Mutual Fund Investment Trust: JPMorgan Growth Advantage Fund; Class I Shares	JGASX
Legg Mason Partners Equity Trust: ClearBridge Aggressive Growth Fund; Class A Shares	SHRAX
Legg Mason Partners Equity Trust: QS Growth Fund; Class A Shares	SCHAX
Oppenheimer Capital Appreciation Fund; Class A Shares	OPTFX
Oppenheimer Rising Dividends Fund, Inc; Class A Shares	OARDX
PIMCO Funds: PIMCO StocksPLUS Long Duration Fund; Institutional Class Shares	PSLDX
Prudential Jennison 20/20 Focus Fund; Class A Shares	PTWAX
Rydex Series Funds: NASDAQ-100 Fund; Investor Shares	RYOCX
SEI Institutional Investments Trust: Large Cap Disciplined Equity Fund; Class A Shares	SCPAX
SEI Institutional Managed Trust: US Managed Volatility Fund; Class F Shares	SVOAX
T Rowe Price Institutional Equity Funds, Inc: T Rowe Price Institutional US Structured Research Fund	TRISX
Vanguard Horizon Funds: Vanguard Capital Opportunity Fund; Admiral Shares	VHCAX
Wells Fargo Funds Trust: Wells Fargo Discovery Fund; Institutional Class Shares	WFDSX
Wells Fargo Funds Trust: Wells Fargo Omega Growth Fund; Class A Shares	EKOAX

**Index Name    Full Fund Name**

**Nasdaq Symbol**

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**Lipper China Region Funds Index**

AIM Investment Funds (Invesco Investment Funds): Invesco Greater China Fund; Class A Shares	AACFX
Columbia Funds Series Trust I: Columbia Greater China Fund; Class A Shares	NGCAX
Eaton Vance Growth Trust: Eaton Vance Greater China Growth Fund; Class A Shares	EVCGX
Fidelity Investment Trust: Fidelity China Region Fund	FHKCX
Guinness Atkinson Funds: China & Hong Kong Fund	ICHKX
Matthews International Funds: Matthews China Dividend Fund; Investor Class Shares	MCDFX
Matthews International Funds: Matthews China Fund; Investor Class Shares	MCHFX
Neuberger Berman Equity Funds: Neuberger Berman Greater China Equity Fund; Institutional Class Shares	NCEIX
Oberweis Funds: Oberweis China Opportunities Fund; Investor Class Shares	OBCHX
Templeton China World Fund; Class A Shares	TCWAX

**Lipper Commodities General Funds Index**

AIM Investment Funds (Invesco Investment Funds): Invesco Balanced-Risk Commodity Strategy Fund; Class Y Shares	BRCYX
AQR Funds: AQR Risk-Balanced Commodities Strategy Fund; Class R6 Shares	QRCRX
BlackRock Funds: BlackRock Commodity Strategies Fund; Institutional Class Shares	BICSX
Cohen & Steers Active Commodities Strategy Fund, Inc.; Class I Shares	CDFIX
Columbia Funds Series Trust II: Columbia Commodity Strategy Fund; Advisor Class Shares	CCOMX
Credit Suisse Commodity Return Strategy Fund; Institutional Class Shares	CRSOX
Credit Suisse Commodity Strategy Funds: Credit Suisse Commodity ACCESS Strategy Fund; Class I Shares	CRCIX
Deutsche Securities Trust: Deutsche Enhanced Commodity Strategy Fund; Institutional Class Shares	SKIRX
DFA Investment Dimensions Group Inc: DFA Commodity Strategy Portfolio	DCMSX
Direxion Funds: Direxion Indexed Commodity Strategy Fund; Institutional Class Shares	DXCIX
DoubleLine Funds Trust: DoubleLine Strategic Commodity Fund; Class I Shares	DBCIX
Eaton Vance Mutual Funds Trust: Parametric Commodity Strategy Fund; Institutional Class Shares	EIPCX
Eaton Vance Special Investment Trust: Eaton Vance Commodity Strategy Fund; Class I Shares	EICSX
Fidelity Oxford Street Trust: Fidelity Series Commodity Strategy Fund	FCSSX
Financial Investors Trust: ALPS/CoreCommodity Management CompleteCommodities Strategy Fund; Class I Share	JCRIX
Franklin Alternative Strategies Funds: Franklin Pelagos Commodities Strategy Fund; Class R6 Shares	FPELX
Goldman Sachs Trust: Goldman Sachs Commodity Strategy Fund; Institutional Class Shares	GCCIX
Harbor Funds: Harbor Commodity Real Return Strategy Fund; Institutional Class Shares	HACMX
JPMorgan Trust I: JPMorgan Commodities Strategy Fund; Class R6 Shares	CSFVX
LoCorr Investment Trust: LoCorr Long/Short Commodities Strategy Fund; Class I Shares	LCSIX
MFS Series Trust XV: MFS Commodity Strategy Fund; Class R6 Shares	MCSRX
Neuberger Berman Alternative Funds: Neuberger Berman Risk Balanced Commodity Strategy Fund; Inst Class Shares	NRBIX
Northern Lights Fund Trust II: PCS Commodity Strategy Fund; Class I Shares	PCYIX
Nuveen Investment Trust V: Nuveen Gresham Diversified Commodity Strategy Fund; Class I Shares	NGVIX
PIMCO Funds: PIMCO CommoditiesPLUS Strategy Fund; Institutional Class Shares	PCLIX
PIMCO Funds: PIMCO CommodityRealReturn Strategy Fund; Institutional Class Shares	PCRIX
Russell Investment Company: Commodity Strategies Fund; Class S Shares	RCCSX
Rydex Series Funds: Commodities Strategy Fund; H-Class Shares	RYMBX
SunAmerica Specialty Series: AIG Commodity Strategies Fund; Class A Shares	SUNAX
VanEck Funds: CM Commodity Index Fund; Class I Shares	COMIX

**Index Name    Full Fund Name**

**Nasdaq Symbol**

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**Lipper Consumer Services Funds Index**

Fidelity Advisor Series VII: Fidelity Advisor Consumer Discretionary Fund; Class A Shares	FCNAX
Fidelity Select Portfolios: Consumer Discretionary Portfolio	FSCPX
Fidelity Select Portfolios: Leisure Portfolio	FDLSX
Fidelity Select Portfolios: Multimedia Portfolio	FBMPX
Fidelity Select Portfolios: Retailing Portfolio	FSRPX
ICON Funds: ICON Consumer Discretionary Fund; Class S Shares	ICCCX
Rydex Series Funds: Leisure Fund; Investor Class Shares	RYLIX
Rydex Series Funds: Retailing Fund; Investor Class Shares	RYRIX

**Lipper Convertible Securities Funds Index**

AIM Growth Series (Invesco Growth Series): Invesco Convertible Securities Fund; Class A Shares	CNSAX
Allianz Funds Multi-Strategy Trust: AllianzGI Convertible Fund; Institutional Class Shares	ANNPX
Fidelity Financial Trust: Fidelity Convertible Securities Fund	FCVSX
Franklin Investors Securities Trust: Franklin Convertible Securities Fund; Advisor Class Shares	FCSZX
Harbor Funds: Harbor Convertible Securities Fund; Institutional Class Shares	HACSX
Lord Abbett Investment Trust: Lord Abbett Convertible Fund; Class I Shares	LCFYX
MainStay Funds: MainStay Convertible Fund; Class A Shares	MCOAX
Miller Investment Trust: Miller Convertible Bond Fund; Class I Shares	MCIFX
Putnam Convertible Securities Fund; Class A Shares	PCONX
Vanguard Convertible Securities Fund; Investor Shares	VCVSX

**Index Name Full Fund Name****Nasdaq Symbol****Lipper Emerging Market Funds Index**

Aberdeen Funds: Aberdeen Emerging Markets Fund; Institutional Class Shares	ABEMX
Baron Select Funds: Baron Emerging Markets Fund; Institutional Class Shares	BEXIX
Causeway Capital Management Trust: Causeway Emerging Markets Fund; Institutional Class Shares	CEMIX
DFA Investment Dimensions Group Inc: Emerging Markets Core Equity Portfolio; Institutional Class Shares	DFCEX
DFA Investment Dimensions Group Inc: Emerging Markets Portfolio; Institutional Class Shares	DFEMX
DFA Investment Dimensions Group Inc: Emerging Markets Small Cap Portfolio; Institutional Class Shares	DEMSX
DFA Investment Dimensions Group Inc: Emerging Markets Value Portfolio; Institutional Class Shares	DFEVX
Eaton Vance Mutual Funds Trust: Parametric Emerging Markets Fund; Institutional Class Shares	EIEMX
Eaton Vance Series Trust II: Parametric Tax-Managed Emerging Markets Fund; Institutional Class Shares	EITEX
Emerging Markets Growth Fund, Inc; Class M Shares	EMRGX
Fidelity Investment Trust: Fidelity Emerging Markets Fund	FEMKX
Fidelity Investment Trust: Fidelity Series Emerging Markets Fund	FEMSX
Fidelity Rutland Square Trust II: Strategic Advisers Emerging Markets Fund	FSAMX
Fidelity Salem Street Trust: Fidelity SAI Emerging Markets Index Fund	FERGX
GMO Trust: GMO Emerging Markets Fund; Class VI Shares	GEMMX
Harding, Loevner Funds, Inc: Emerging Markets Portfolio; Advisor Class Shares	HLEMX
Harding, Loevner Funds, Inc: Institutional Emerging Markets Portfolio; Class I Shares	HLMEX
JPMorgan Trust I: JPMorgan Emerging Economies Fund; Class R6 Shares	JEEEX
JPMorgan Trust I: JPMorgan Emerging Markets Equity Fund; Class R6 Shares	JEMWX
Lazard Funds, Inc: Lazard Emerging Markets Equity Portfolio; Institutional Shares	LZEMX
New World Fund, Inc; Class A Shares	NEWFX
Northern Funds: Emerging Markets Equity Index Fund	NOEMX
Oppenheimer Developing Markets Fund; Class Y Shares	ODVYX
PIMCO Equity Series: PIMCO RAE Fundamental Emerging Markets Fund; Institutional Class Shares	PEIFX
PIMCO Funds: PIMCO RAE Low Volatility PLUS EMG Fund; Institutional Class Shares	PLVLX
Russell Investment Company: Emerging Markets Fund; Class S Shares	REMSX
T Rowe Price International Funds, Inc: T Rowe Price Emerging Markets Stock Fund	PRMSX
TIAA-CREF Funds: Emerging Markets Equity Index Fund; Institutional Class Shares	TEQLX
Virtus Opportunities Trust: Virtus Vontobel Emerging Markets Opportunities Fund; Class I Shares	HIEMX
Wells Fargo Funds Trust: Wells Fargo Emerging Markets Equity Fund; Institutional Class Shares	EMGNX

**Index Name Full Fund Name****Nasdaq Symbol****Lipper Energy MLP Funds Index**

Goldman Sachs Trust: Goldman Sachs MLP Energy Infrastructure Fund; Institutional Class Shares	GMLPX
Investment Managers Series Trust: Advisory Research MLP & Energy Income Fund; Class I Shares	INFIX
Investment Managers Series Trust: Center Coast MLP Focus Fund; Institutional Shares	CCCNX
MainGate Trust: MainGate MLP Fund; Class I Shares	IMLPX
Managed Portfolio Series: Tortoise MLP & Pipeline Fund; Institutional Class Shares	TORIX
Northern Lights Fund Trust: Eagle MLP Strategy Fund; Class I Shares	EGLIX
Salient MF Trust: Salient MLP & Energy Infrastructure Fund; Class I Shares	SMLPX
SteelPath MLP Funds Trust: Oppenheimer SteelPath MLP Alpha Fund; Class Y Shares	MLPOX
SteelPath MLP Funds Trust: Oppenheimer SteelPath MLP Income Fund; Class A Shares	MLPDX
SteelPath MLP Funds Trust: Oppenheimer SteelPath MLP Select 40 Fund; Class Y Shares	MLPTX

**Lipper European Funds Index**

AIM International Mutual Funds (Invesco International Mutual Funds): Invesco European Growth Fund; CI A Shs	AEDAX
Brown Advisory Funds: Brown Advisory-WMC Strategic European Equity Fund; Institutional Class Shares	BAFHX
DFA Investment Dimensions Group Inc: Continental Small Company Portfolio; Institutional Class Shares	DFCSX
Fidelity Investment Trust: Fidelity Europe Fund	FIEUX
Fidelity Investment Trust: Fidelity Nordic Fund	FNORX
Franklin Mutual Series Funds: Franklin Mutual European Fund; Class Z Shares	MEURX
Janus Investment Fund: Janus Henderson European Focus Fund; Class A Shares	HFEAX
JPMorgan Trust I: JPMorgan Intrepid European Fund; Class L Shares	JFEIX
T Rowe Price International Funds, Inc: T Rowe Price European Stock Fund	PRESX
Vanguard International Equity Index Funds: Vanguard European Stock Index Fund; Investor Shares	VEURX

**Lipper Financial Services Funds Index**

Davis Series, Inc: Davis Financial Fund; Class A Shares	RPFGX
Fidelity Select Portfolios: Banking Portfolio	FSRBX
Fidelity Select Portfolios: Brokerage and Investment Management Portfolio	FSLBX
Fidelity Select Portfolios: Financial Services Portfolio	FIDSX
Fidelity Select Portfolios: Insurance Portfolio	FSPCX
Hennessy Funds Trust: Hennessy Small Cap Financial Fund; Investor Class Shares	HSFNX
John Hancock Investment Trust II: John Hancock Financial Industries Fund; Class A Shares	FIDAX
John Hancock Investment Trust II: John Hancock Regional Bank Fund; Class A Shares	FRBAX
RMB Investors Trust: RMB Mendon Financial Services Fund; Class A Shares	RMBKX
T Rowe Price Financial Services Fund, Inc	PRISX

**Index Name Full Fund Name**

**Nasdaq Symbol**

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**Lipper Flexible Portfolio Funds Index**

American Funds Global Balanced Fund; Class A Shares	GBLAX
American Funds Target Date Retirement Series: American Funds 2020 Target Date Retirement Fund; Class R6 Shs	RRCTX
American Funds Target Date Retirement Series: American Funds 2025 Target Date Retirement Fund; Class R6 Shs	RFDTX
American Funds Target Date Retirement Series: American Funds 2030 Target Date Retirement Fund; Class R6 Shs	RFETX
BlackRock Funds II: BlackRock Multi-Asset Income Portfolio; Institutional Shares	BIICX
BlackRock Global Allocation Fund, Inc; Institutional Shares	MALOX
Fidelity Charles Street Trust: Fidelity Asset Manager 50%	FASMX
Fidelity Charles Street Trust: Fidelity Asset Manager 70%	FASGX
First Eagle Funds: First Eagle Global Fund; Class I Shares	SGIIX
FPA Funds Trust: FPA Crescent Fund	FPACX
Franklin Mutual Series Funds: Franklin Mutual Quest Fund; Class Z Shares	MQIFX
IVA Fiduciary Trust: IVA Worldwide Fund; Class I Shares	IVWIX
JPMorgan Trust I: JPMorgan Income Builder Fund; Class C Shares	JNBCX
Old Westbury Funds, Inc: Old Westbury Strategic Opportunities Fund	OWSOX
Permanent Portfolio Family of Funds, Inc: Permanent Portfolio; Class I Shares	PRPFX
Principal Funds, Inc: Diversified Real Asset Fund; Institutional Class Shares	PDRDX
Principal Funds, Inc: Global Diversified Income Fund; Institutional Class Shares	PGDIX
Principal Funds, Inc: Principal LifeTime 2020 Fund; Institutional Class Shares	PLWIX
Principal Funds, Inc: Principal LifeTime 2030 Fund; Institutional Class Shares	PMTIX
Principal Funds, Inc: Principal LifeTime 2040 Fund; Institutional Class Shares	PTDIX
T Rowe Price Capital Appreciation Fund	PRWCX
T Rowe Price Retirement Funds, Inc: T Rowe Price Retirement 2010 Fund	TRRAX
T Rowe Price Retirement Funds, Inc: T Rowe Price Retirement 2015 Fund	TRRGX
T Rowe Price Retirement Funds, Inc: T Rowe Price Retirement 2020 Fund	TRRBX
T Rowe Price Retirement Funds, Inc: T Rowe Price Retirement 2025 Fund	TRRHX
T Rowe Price Retirement Funds, Inc: T Rowe Price Retirement 2030 Fund	TRRCX
T Rowe Price Retirement Funds, Inc: T Rowe Price Retirement 2035 Fund	TRRJX
T Rowe Price Retirement Funds, Inc: T Rowe Price Retirement 2040 Fund	TRRDY
T Rowe Price Retirement Funds, Inc: T Rowe Price Retirement 2045 Fund	TRRKX
T Rowe Price Retirement Funds, Inc: T Rowe Price Retirement 2050 Fund	TRRMX



**Lipper Global Equity Income Funds Index**

AIM Growth Series (Invesco Growth Series): Invesco Global Low Volatility Equity Yield Fund; Class A Shares	GTNDX
Alpine Series Trust: Alpine Dynamic Dividend Fund; Institutional Class Shares	ADVDX
AMG Funds IV: AMG Managers Guardian Capital Global Dividend Fund; Class I Shares	AGCDX
BlackRock Funds II: BlackRock Global Dividend Portfolio; Institutional Shares	BIBDX
Capital Income Builder; Class A Shares	CAIBX
Columbia Funds Series Trust I: Columbia Global Dividend Opportunity Fund; Institutional Class Shares	CSVFX
Deutsche International Fund, Inc: Deutsche World Dividend Fund; Class S Shares	SCGEX
Dreyfus/Laurel Funds Trust: Dreyfus Global Equity Income Fund; Class I Shares	DQEIX
Eaton Vance Mutual Funds Trust: Eaton Vance Tax-Managed Global Dividend Income Fund; Class A Shares	EADIX
Fidelity Investment Trust: Fidelity Global Equity Income Fund	FGILX
FundVantage Trust: Quality Dividend Fund; Class A Shares	QDVAX
Guggenheim Funds Trust: Guggenheim World Equity Income Fund; Class A Shares	SEQAX
Hartford Mutual Funds, Inc: Hartford Global Equity Income Fund; Class A Shares	HLEAX
Ivy Funds: Ivy Global Equity Income Fund; Class I Shares	IBIIX
Janus Investment Fund: Janus Henderson Dividend & Income Builder Fund; Class I Shares	HDIVX
Janus Investment Fund: Janus Henderson Global Equity Income Fund; Class I Shares	HFQIX
Janus Investment Fund: Janus Henderson Global Income Managed Volatility Fund; Class T Shares	JDGTX
Legg Mason Partners Equity Trust: QS Global Dividend Fund; Class IS Shares	LDIFX
Nuveen Investment Trust II: Nuveen Santa Barbara Global Dividend Growth Fund; Class I Shares	NUGIX
Nuveen Investment Trust: Nuveen NWQ Global Equity Income Fund; Class A Shares	NQGAX
Ranger Funds Trust: Ranger Quest for Income & Growth Fund; Institutional Class Shares	RFIDX
Sit Mutual Funds, Inc: Sit Global Dividend Growth Fund; Class I Shares	GDGIX
Steward Funds, Inc: Steward Global Equity Income Fund; Institutional Class Shares	SGISX
Thornburg Investment Trust: Thornburg Investment Income Builder Fund; Institutional Class Shares	TIBIX
Tweedy, Browne Fund, Inc: Tweedy, Browne Worldwide High Dividend Yield Value Fund	TBHDX
Ultimus Managers Trust: Blue Current Global Dividend Fund; Institutional Class Shares	BCGDY
USAA Mutual Funds Trust: Global Equity Income Fund; Fund Class Shares	UGEIX
Virtus Equity Trust: Virtus KAR Global Quality Dividend Fund; Class A Shares	PPTAX
Voya Mutual Funds: Voya Global Equity Dividend Fund; Class A Shares	IAGEX
Westcore Trust: Westcore Global Large-Cap Dividend Fund; Retail Class Shares	WTMVX

**Index Name Full Fund Name****Nasdaq Symbol****Lipper Global Funds Index**

BlackRock Funds II: BlackRock Global Dividend Portfolio; Institutional Shares	BIBDX
Capital Income Builder; Class A Shares	CAIBX
Capital World Growth & Income Fund; Class A Shares	CWGIX
Dimensional Investment Group Inc: Global Equity Portfolio; Institutional Class Shares	DGEIX
Dodge & Cox Funds: Dodge & Cox Global Stock Fund	DODWX
Fidelity Investment Trust: Fidelity Worldwide Fund	FWWFX
Fidelity Puritan Trust: Fidelity Series Intrinsic Opportunities Fund	FDMLX
Franklin Mutual Series Funds: Franklin Mutual Beacon Fund; Class Z Shares	BEGRX
Franklin Mutual Series Funds: Franklin Mutual Global Discovery Fund; Class A Shares	TEDIX
GMO Trust: GMO Global Equity Allocation Fund; Class III Shares	GMGEX
Goldman Sachs Trust: Goldman Sachs Tax-Advantaged Global Equity Portfolio; Institutional Class Shares	TIGGX
Harris Associates Investment Trust: Oakmark Global Fund; Investor Class Shares	OAKGX
Harris Associates Investment Trust: Oakmark Global Select Fund; Investor Class Shares	OAKWX
Janus Investment Fund: Janus Henderson Global Equity Income Fund; Class I Shares	HFQIX
Janus Investment Fund: Janus Henderson Global Research Fund; Class D Shares	JANWX
Janus Investment Fund: Janus Henderson Global Select Fund; Class D Shares	JANRX
JPMorgan Trust I: JPMorgan Global Research Enhanced Index Fund; Class I Shares	JEITX
MainStay Funds Trust: MainStay Epoch Global Equity Yield Fund; Class I Shares	EPSYX
New Perspective Fund; Class A Shares	ANWPX
Old Westbury Funds, Inc: Old Westbury Large Cap Strategies Fund	OWLSX
Oppenheimer Global Fund; Class A Shares	OPPAX
Oppenheimer Global Opportunities Fund; Class A Shares	OPGIX
Principal Funds, Inc: Global Opportunities Fund; Institutional Class Shares	PGOIX
Russell Investment Company: Global Equity Fund; Class S Shares	RGESX
SEI Institutional Managed Trust: Global Managed Volatility Fund; Class F Shares	SVTAX
Templeton Funds, Inc: Templeton World Fund; Class A Shares	TEMWX
Templeton Growth Fund, Inc; Class A Shares	TEPLX
Thornburg Investment Trust: Thornburg Investment Income Builder Fund; Institutional Class Shares	TIBIX
Thrivent Mutual Funds: Thrivent Large Cap Stock Fund; Class A Shares	AALGX
Vanguard Horizon Funds: Vanguard Global Equity Fund; Investor Shares	VHGEX

**Index Name Full Fund Name****Nasdaq Symbol****Lipper Global Health/Biotechnology Funds Index**

AIM Investment Funds (Invesco Investment Funds) : Invesco Global Health Care Fund; Investor Class Shares	GTHIX
Eaton Vance Growth Trust: Eaton Vance Worldwide Health Sciences Fund; Class A Shares	ETHSX
Fidelity Select Portfolios: Pharmaceuticals Portfolio	FPHAX
Hartford Mutual Funds, Inc: Hartford Healthcare Fund; Class A Shares	HGHAX
Janus Investment Fund: Janus Henderson Global Life Sciences Fund; Class T Shares	JAGLX
Kinetics Mutual Funds, Inc: Medical Fund; No Load Class	MEDRX
Legg Mason Partners Equity Trust: ClearBridge Global Health Care Innovations Fund; Class IS Shares	CGSLX
Putnam Global Health Care Fund; Class A Shares	PHSTX
Vanguard Specialized Funds: Vanguard Health Care Fund; Investor Shares	VGHXC

**Lipper Global Infrastructure Funds Index**

Alpine Equity Trust: Alpine Global Infrastructure Fund; Institutional Class Shares	AIFRX
Cohen & Steers Global Infrastructure Fund, Inc; Class I Shares	CSUIX
Columbia Funds Series Trust II: Columbia Global Infrastructure Fund; Class A Shares	RIAX
Deutsche Global/International Fund, Inc: Deutsche Global Infrastructure Fund; Class S Shares	TOLSX
Frontier Funds, Inc: Frontier MFG Core Infrastructure Fund; Institutional Class Shares	FMGIX
Lazard Funds, Inc: Lazard Global Listed Infrastructure Portfolio; Institutional Shares	GLIFX
Morgan Stanley Institutional Fund, Inc: Global Infrastructure Portfolio; Class A Shares	MTIPX
Northern Funds: Multi-Manager Global Listed Infrastructure Fund	NMFI
Nuveen Investment Funds, Inc: Nuveen Global Infrastructure Fund; Class I Shares	FGIYX
Russell Investment Company: Global Infrastructure Fund; Class S Shares	RGISX

**Lipper Global Large-Cap Core Funds Index**

Advisors' Inner Circle Fund: Sarofim Equity Fund	SRFMX
AIM Funds Group (Invesco Funds Group): Invesco Global Core Equity Fund; Class A Shares	AWSAX
Capital World Growth & Income Fund; Class A Shares	CWGIX
DFA Investment Dimensions Group Inc: World Core Equity Portfolio; Institutional Class Shares	DREIX
JPMorgan Trust I: JPMorgan Global Research Enhanced Index Fund; Class I Shares	JEITX
MainStay Funds Trust: MainStay Epoch Global Choice Fund; Class I Shares	EPACX
MFS Series Trust VI: MFS Global Equity Fund; Class I Shares	MWEIX
Thrivent Mutual Funds: Thrivent Large Cap Stock Fund; Class A Shares	AALGX
USAA Mutual Funds Trust: World Growth Fund; Fund Class Shares	USAWX
Wells Fargo Funds Trust: Wells Fargo Intrinsic World Equity Fund; Class A Shares	EWEAX

**Index Name    Full Fund Name**

**Nasdaq Symbol**

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**Lipper Global Large-Cap Growth Funds Index**

American Funds Portfolio Series: American Funds Global Growth Portfolio; Class A Shares	PGGAX
Capital Group Private Client Services Funds: Capital Group Global Equity Fund	CGLOX
Columbia Funds Series Trust II: Columbia Select Global Equity Fund; Class A Shares	IGLGX
Dreyfus Premier Worldwide Growth Fund, Inc: Dreyfus Worldwide Growth Fund; Class A Shares	PGROX
Frontier Funds, Inc: Frontier MFG Global Equity Fund; Institutional Class Shares	FMGEX
Morgan Stanley Institutional Fund, Inc: Global Franchise Portfolio; Class I Shares	MSFAX
New Perspective Fund; Class A Shares	ANWPX
Oppenheimer Global Fund; Class A Shares	OPPAX
Strategic Funds, Inc: Global Stock Fund; Class I Shares	DGLRX
Waddell & Reed Advisors Funds: Waddell & Reed Advisors Global Growth Fund; Class A Shares	UNCGX

**Lipper Global Large-Cap Value Index**

Brandes Investment Trust: Brandes Global Equity Fund; Class I Shares	BGVIX
Causeway Capital Management Trust: Causeway Global Value Fund; Institutional Class Shares	CGVIX
Dodge & Cox Funds: Dodge & Cox Global Stock Fund	DODWX
Eaton Vance Growth Trust: Eaton Vance Hexavest Global Equity Fund; Class I Shares	EHGIX
Harris Associates Investment Trust: Oakmark Global Select Fund; Investor Class Shares	OAKWX
John Hancock Funds III: John Hancock Global Shareholder Yield Fund; Class I Shares	JGYIX
MainStay Funds Trust: MainStay Epoch Global Equity Yield Fund; Class I Shares	EPSYX
Templeton Funds, Inc: Templeton World Fund; Class A Shares	TEMWX
Tweedy, Browne Fund, Inc: Tweedy, Browne Value Fund	TWEBX
Voya Mutual Funds: Voya Global Equity Fund; Class A Shares	NAWGX

**Index Name Full Fund Name**

**Nasdaq Symbol**

**Lipper Global Multi-Cap Core Funds Index**

AB Cap Fund, Inc: AB Global Core Equity Portfolio; Advisor Class Shares	GCEYX
AdvisorOne Funds: CLS Global Aggressive Equity Fund; Class N Shares	CLACX
Advisors' Inner Circle Fund: Cambiar Global Ultra Focus Fund; Investor Class Shares	CAMAX
AQR Funds: AQR Global Equity Fund; Class R6 Shares	AQGRX
BBH Trust: BBH Global Core Select Fund; Class N Shares	BBGNX
BlackRock Advantage Global Fund, Inc; Investor A Shares	MDGCX
Columbia Funds Series Trust: Columbia Global Strategic Equity Fund; Class A Shares	NLGIX
Cook & Bynum Funds Trust: Cook & Bynum Fund	COBYX
DFA Investment Dimensions Group Inc: DFA Selectively Hedged Global Equity Portfolio; Institutional Class Shs	DSHGX
Dimensional Investment Group Inc: Global Equity Portfolio; Institutional Class Shares	DGEIX
Eaton Vance Growth Trust: Eaton Vance Richard Bernstein Equity Strategy Fund; Class I Shares	ERBIX
GMO Trust: GMO Global Developed Equity Allocation Fund; Class III Shares	GWOAX
GMO Trust: GMO Global Equity Allocation Fund; Class III Shares	GMGEX
Goldman Sachs Trust: Goldman Sachs Enhanced Dividend Global Equity Portfolio; Institutional Class Shares	GIDGX
Goldman Sachs Trust: Goldman Sachs Tax-Advantaged Global Equity Portfolio; Institutional Class Shares	TIGGX
Janus Investment Fund: Janus Henderson Global Select Fund; Class D Shares	JANRX
Legg Mason Partners Equity Trust: QS Global Equity Fund; Class A Shares	CFIPX
Longleaf Partners Funds Trust: Longleaf Partners Global Fund	LLGLX
Northern Funds: Global Sustainability Index Fund	NSRIX
PFS Funds: Castle Focus Fund; Investor Class Shares	MOATX
PIMCO Equity Series: PIMCO RAE Fundamental Global Fund; Institutional Class Shares	PFQIX
Principal Funds, Inc: Global Opportunities Fund; Institutional Class Shares	PGOIX
Putnam Global Equity Fund; Class A Shares	PEQUX
Russell Investment Company: Global Equity Fund; Class S Shares	RGESX
SEI Institutional Managed Trust: Global Managed Volatility Fund; Class F Shares	SVTAX
Thornburg Investment Trust: Thornburg Global Opportunities Fund; Institutional Class Shares	THOIX
USAA Mutual Funds Trust: Capital Growth Fund; Fund Class Shares	USCGX
USAA Mutual Funds Trust: Cornerstone Equity Fund	UCEQX
Vanguard Horizon Funds: Vanguard Global Equity Fund; Investor Shares	VHGEX
Wells Fargo Funds Trust: Wells Fargo WealthBuilder Equity Fund; Class C Shares	WEACX

**Lipper Global Multi-Cap Growth Funds Index**

AB Portfolios: AB Tax-Managed Wealth Appreciation Strategy; Advisor Class Shares	ATWYX
AB Sustainable Global Thematic Fund, Inc; Class A Shares	ALTFX
Advisers Investment Trust: JOHCM Global Equity Fund; Institutional Class Shares	JOGIX
Advisors' Inner Circle Fund: Sands Capital Global Growth Fund; Institutional Class Shares	SCMGX
AIM International Mutual Funds (Invesco International Mutual Funds): Invesco Global Growth Fund; CI A Shs	AGGAX
American Century World Mutual Funds, Inc: Global Growth Fund; Investor Class Shares	TWGGX
American Funds Portfolio Series: American Funds Growth Portfolio; Class A Shares	GWPAW
Artisan Partners Funds, Inc: Artisan Global Opportunities Fund; Investor Shares	ARTRX
Baillie Gifford Funds: Global Alpha Equity Fund; Class 3 Shares	BGAEX
Davis New York Venture Fund, Inc: Davis Global Fund; Class Y Shares	DGFYX
Deutsche Global/International Fund, Inc: Deutsche International Growth Fund; Class S Shares	SCOBX
Fidelity Investment Trust: Fidelity Worldwide Fund	FWWFX
First Investors Equity Funds: Global Fund; Class A Shares	FIISX
Guinness Atkinson Funds: Global Innovators Fund; Investor Class Shares	IWIRX
Harding, Loevner Funds, Inc: Global Equity Portfolio; Institutional Class Shares	HLMVX
Hartford Mutual Funds, Inc: Hartford Global Capital Appreciation Fund; Class A Shares	HCTAX
Janus Investment Fund: Janus Henderson Global Research Fund; Class D Shares	JANWX
MFS Series Trust VIII: MFS Global Growth Fund; Class A Shares	MWOFX
Morgan Stanley Institutional Fund, Inc: Global Opportunity Portfolio; Class A Shares	MGGPX
Old Westbury Funds, Inc: Old Westbury Large Cap Strategies Fund	OWLSX
Oppenheimer Global Value Fund; Class A Shares	GLVAX
Oppenheimer Portfolio Series: Equity Investor Fund; Class A Shares	OAAIX
Professionally Managed Portfolios: Portfolio 21 Global Equity Fund; Retail Class Shares	PORTX
RBB Fund, Inc: Motley Fool Global Opportunities Fund; Investor Class Shares	FOOLX
T Rowe Price Institutional International Funds, Inc: T Rowe Price Institutional Global Growth Equity Fund	RPIGX
T Rowe Price International Funds, Inc: T Rowe Price Global Stock Fund	PRGSX
Trust for Professional Managers: PMC Diversified Equity Fund	PMDEX
Wasatch Funds Trust: Wasatch World Innovators Fund; Investor Class Shares	WAGTX
William Blair Funds: Global Leaders Fund; Institutional Class Shares	BGGIX
Wintergreen Fund, Inc; Investor Class Shares	WGRNX

**Index Name Full Fund Name**

**Nasdaq Symbol**

**Lipper Global Multi-Cap Value Funds Index**

Advisors' Inner Circle Fund: Cambiar Global Equity Fund; Investor Class Shares	CAMGX
Allianz Funds Multi-Strategy Trust: AllianzGI Best Styles Global Equity Fund; Class R6 Shares	AGERX
American Pension Investors Trust: Yorktown Capital Income Fund; Institutional Class Shares	AFAAX
Artisan Partners Funds, Inc: Artisan Global Value Fund; Investor Shares	ARTGX
BMO Funds, Inc: BMO Global Low Volatility Equity Fund; Class I Shares	BGLBX
Brandes Investment Trust: Brandes Global Opportunities Value Fund; Class I Shares	BGOIX
Columbia Funds Series Trust II: Columbia Global Equity Value Fund; Class A Shares	IEVAX
Delaware Group Global & International Funds: Delaware Global Value Fund; Class A Shares	DABAX
Fidelity Puritan Trust: Fidelity Series Intrinsic Opportunities Fund	FDMLX
Forum Funds: Polaris Global Value Fund	PGVFX
FPA Paramount Fund, Inc	FPRAX
Franklin Mutual Series Funds: Franklin Mutual Beacon Fund; Class Z Shares	BGRX
Franklin Mutual Series Funds: Franklin Mutual Global Discovery Fund; Class A Shares	TEDIX
Harris Associates Investment Trust: Oakmark Global Fund; Investor Class Shares	OAKGX
HC Capital Trust: ESG Growth Portfolio; HC Strategic Class Shares	HCESX
Hotchkis & Wiley Funds: Hotchkis & Wiley Global Value Fund; Class I Shares	HWGIX
Investment Managers Series Trust: Advisory Research Global Value Fund	ADVWX
Ivy Funds: Ivy Cundill Global Value Fund; Class A Shares	ICDAX
Janus Investment Fund: Janus Henderson Global Value Fund; Class D Shares	JNGOX
Leuthold Funds, Inc: Leuthold Global Industries Fund; Institutional Class Shares	LGIIX
Mutual Fund Series Trust: Catalyst/MAP Global Equity Fund; Class A Shares	CAXAX
Principal Funds, Inc: SystematEx International Fund; Class R-6 Shares	PSTMX
RBB Fund, Inc: Boston Partners Global Equity Fund; Institutional Class Shares	BPGIX
T Rowe Price Institutional International Funds, Inc: T Rowe Price Institutional Global Value Equity Fund	PRIGX
TD Asset Management USA Funds Inc: TD Global Low Volatility Equity Fund; Institutional Class Shares	TDLVX
Templeton Global Opportunities Trust; Class A Shares	TEGOX
Templeton Growth Fund, Inc; Class A Shares	TEPLX
Templeton Institutional Funds: Templeton Global Equity Series	TGESX
Third Avenue Trust: Third Avenue Value Fund; Institutional Class Shares	TAVFX
Tweedy, Browne Fund, Inc: Tweedy, Browne Global Value Fund II - Currency Unhedged	TBCUX

**Index Name    Full Fund Name**

**Nasdaq Symbol**

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**Lipper Global Natural Resources Funds Index**

BlackRock Natural Resources Trust; Investor A Shares	MDGRX
Calvert Impact Fund, Inc: Calvert Global Water Fund; Class A Shares	CFWAX
Fidelity Investment Trust: Fidelity Global Commodity Stock Fund	FFGCX
Franklin Strategic Series: Franklin Natural Resources Fund; Class A Shares	FRNRX
Ivy Funds: Ivy Natural Resources Fund; Class A Shares	IGNAX
Prudential Jennison Natural Resources Fund, Inc; Class Z Shares	PNRZX
T Rowe Price New Era Fund, Inc	PRNEX
VanEck Funds: Global Hard Assets Fund; Class I Shares	GHAIX
Vanguard Specialized Funds: Vanguard Energy Fund; Admiral Shares	VGELX
Victory Portfolios: Victory Global Natural Resources Fund; Class Y Shares	RSNYX



**Lipper Global Real Estate Fund Index**

AB Institutional Funds, Inc: AB Global Real Estate Invest Fund II; Class I Share	ARIIX
AIM Counselor Series Trust (Invesco Counselor Series Trust): Invesco Global Real Estate Income Fd; Class A Shs	ASRAX
AIM Investment Securities Funds (Invesco Investment Securities Funds): Invesco Global Real Estate Fd; CI Y	ARGYX
American Century Capital Portfolios, Inc: NT Global Real Estate Fund; Class G Shares	ANRHX
BlackRock Funds: iShares Developed Real Estate Index Fund;Class K Shares	BKRDY
Brookfield Investment Funds: Brookfield Global Listed Real Estate Fund; Class Y Shares	BLRYX
Cohen & Steers Global Realty Shares, Inc; Class I Shares	CSSPX
Cohen & Steers Institutional Global Realty Shares, Inc	GRSIX
Deutsche Securities Trust: Deutsche Global Real Estate Securities Fund; Institutional Class Shares	RRGIX
DFA Investment Dimensions Group Inc: DFA Global Real Estate Securities Portfolio	DFGEX
Dreyfus Premier Investment Funds, Inc: Dreyfus Global Real Estate Securities; Class Y Shares	DRLYX
GuideStone Funds: Global Real Estate Securities Fund; Investor Class Shares	GREZX
Janus Investment Fund: Janus Henderson Global Real Estate Fund; Class I Shares	JERIX
MFS Series Trust XIII: MFS Global Real Estate Fund; Class R6 Shares	MGLRX
Morgan Stanley Institutional Fund, Inc: Global Real Estate Portfolio; Class I Shares	MRLAX
Northern Funds: Global Real Estate Index Fund	NGREX
Northern Funds: Multi-Manager Global Real Estate Fund	NMMGX
Oppenheimer Global Real Estate Fund; Class I Shares	OIRGX
PACE Select Advisors Trust: PACE Global Real Estate Securities Investments; Class P Shares	PREQX
Principal Funds, Inc: Global Real Estate Securities Fund; Institutional Class Shares	POSIX
Prudential Investment Portfolios 12: Prudential Global Real Estate Fund; Class Z Shares	PURZX
Russell Investment Company: Global Real Estate Securities Fund; Class S Shares	RRESX
Saratoga Advantage Trust: James Alpha Global Real Estate Investments Portfolio; Class A Shares	JAREX
Schwab Capital Trust: Schwab Fundamental Global Real Estate Index Fund	SFREX
Schwab Investments: Schwab Global Real Estate Fund	SWASX
T Rowe Price Global Real Estate Fund, Inc	TRGRX
Third Avenue Trust: Third Avenue Real Estate Value Fund; Institutional Class Shares	TAREX
Trust for Professional Managers: Gerstein Fisher Multi-Factor Global Real Estate Securities Fund	GFMRX
Virtus Opportunities Trust: Virtus Duff & Phelps Global Real Estate Securities Fund; Class I Shares	VGISX
Voya Mutual Funds: Voya Global Real Estate Fund; Class I Shares	IGLIX

**Lipper Global Science & Technology Funds Index**

Allianz Funds: AllianzGI Technology Fund; Class A Shares	RAGTX
BlackRock Funds: BlackRock Technology Opportunities Fund; Investor A Shares	BGSAX
Columbia Funds Series Trust II: Columbia Seligman Global Technology Fund; Class A Shares	SHGTX
Janus Investment Fund: Janus Henderson Global Technology Fund; Class T Shares	JAGTX
Putnam Funds Trust: Putnam Global Technology Fund; Class A Shares	PGTAX
T Rowe Price Global Technology Fund, Inc	PRGTX

**Lipper Global Small/Mid-Cap Funds Index**

Advisors' Inner Circle Fund II: Kopernik Global All-Cap Fund; Institutional Class Shares	KGGIX
AIM International Mutual Funds (Invesco International Mutual Funds): Invesco GI Sm & Mid Cp Gr Fd; CI A Shs	AGAAX
AIM International Mutual Funds (Invesco International Mutual Funds): Invesco Slct Opportunities Fd; CI A Sh	IZSAX
Allianz Funds: AllianzGI Global Small-Cap Fund; Institutional Class Shares	DGSCX
AMG Funds: AMG Yacktman Special Opportunities Fund; Class Z Shares	YASLX
Deutsche Global/International Fund, Inc: Deutsche Global Small Cap Fund; Class S Shares	SGSCX
EntrepreneurShares Series Trust: EntrepreneurShares Global Fund; Institutional Class Shares	ENTIX
Evermore Funds Trust: Evermore Global Value Fund; Institutional Class Shares	EVGIX
Financial Investors Trust: ALPS/Metis Global Micro Cap Value Fund; Class I Shares	METIX
Financial Investors Trust: Grandeur Peak Global Micro Cap Fund; Institutional Class Shares	GPMCX
Financial Investors Trust: Grandeur Peak Global Opportunities Fund; Institutional Class Shares	GPGIX
Financial Investors Trust: Grandeur Peak Global Reach Fund; Institutional Class Shares	GPRIX
Financial Investors Trust: Grandeur Peak Global Stalwarts Fund; Investor Class Shares	GGSOX
Forum Funds: Steinberg Select Fund; Institutional Class Shares	STMIX
Frontier Funds, Inc: Frontier Silk Invest New Horizons Fund; Institutional Class Shares	FSNHX
Intrepid Capital Management Funds Trust: Intrepid Select Fund; Investor Class Shares	ICMTX
Kinetics Mutual Funds, Inc: Small Cap Opportunities Fund; No Load Class	KSCOX
Managed Account Series: Advantage Global SmallCap Fund	MGCSX
Morgan Stanley Institutional Fund, Inc: Global Discovery Portfolio; Class A Shares	MGDPX
Oberweis Funds: Oberweis Emerging Growth Fund; Investor Class Shares	OBEGX
Old Westbury Funds, Inc: Old Westbury Small & Mid Cap Strategies Fund	OWSMX
Oppenheimer Global Opportunities Fund; Class A Shares	OPGIX
Pax World Funds Series Trust I: Pax Global Environmental Markets Fund; Institutional Class Shares	PGINX
SMALLCAP World Fund, Inc; Class A Shares	SMCWX
Templeton Global Smaller Companies Fund; Class A Shares	TEMGX
Trust for Professional Managers: Convergence Opportunities Fund; Institutional Class Shares	CIPOX
Two Roads Shared Trust: Conductor Global Equity Value Fund; Class I Shares	RAILX
Vanguard Whitehall Funds: Vanguard Global Minimum Volatility Fund; Admiral Class Shares	VMNVX
Wasatch Funds Trust: Wasatch Global Opportunities Fund; Investor Class Shares	WAGOX
Wells Fargo Funds Trust: Wells Fargo Global Small Cap Fund; Class A Shares	EKGAX

**Index Name Full Fund Name****Nasdaq Symbol****Lipper Growth & Income Funds Index**

AIM Counselor Series Trust (Invesco Counselor Series Trust): Invesco Equity & Income Fund; Class A Shares	ACEIX
American Funds Fundamental Investors; Class A Shares	ANCFX
American Mutual Fund; Class A Shares	AMRMX
Delaware Group Equity Funds II: Delaware Value Fund; Institutional Class Shares	DDVIX
DFA Investment Dimensions Group Inc: US Large Cap Value Portfolio; Institutional Class Shares	DFLVX
Dodge & Cox Funds: Dodge & Cox Stock Fund	DODGX
Fidelity Aberdeen Street Trust: Fidelity Freedom 2020 Fund	FFFDX
Fidelity Aberdeen Street Trust: Fidelity Freedom 2025 Fund	FFTWX
Fidelity Aberdeen Street Trust: Fidelity Freedom 2030 Fund	FFFEX
Fidelity Concord Street Trust: Fidelity Total Market Index Fund; Premium Class Shares	FSTVX
Franklin Managed Trust: Franklin Rising Dividends Fund; Class A Shares	FRDPX
Investment Company of America; Class A Shares	AIVSX
John Hancock Funds II: Multimanager Lifestyle Growth Portfolio; Class 1 Shares	JILGX
MFS Series Trust I: MFS Value Fund; Class I Shares	MEIIX
T Rowe Price Value Fund, Inc	TRVLX
Vanguard Chester Funds: Vanguard Institutional Target Retirement 2020 Fund; Institutional Class Shares	VITWX
Vanguard Chester Funds: Vanguard Institutional Target Retirement 2025 Fund; Institutional Class Shares	VRIVX
Vanguard Chester Funds: Vanguard Institutional Target Retirement 2030 Fund; Institutional Class Shares	VTTWX
Vanguard Chester Funds: Vanguard Institutional Target Retirement 2035 Fund; Institutional Class Shares	VITFX
Vanguard Chester Funds: Vanguard Institutional Target Retirement 2040 Fund; Institutional Class Shares	VIRSX
Vanguard Chester Funds: Vanguard Target Retirement 2030 Fund; Investor Class Shares	VTHRX
Vanguard Chester Funds: Vanguard Target Retirement 2035 Fund; Investor Class Shares	VTTHX
Vanguard Chester Funds: Vanguard Target Retirement 2040 Fund; Investor Class Shares	VFORX
Vanguard Chester Funds: Vanguard Target Retirement 2045 Fund; Investor Class Shares	VTIVX
Vanguard Chester Funds: Vanguard Target Retirement 2050 Fund; Investor Class Shares	VFIFX
Vanguard Index Funds: Vanguard Total Stock Market Index Fund; Investor Class Shares	VTSMX
Vanguard STAR Funds: Vanguard LifeStrategy Growth Fund; Investor Shares	VASGX
Vanguard Windsor Funds: Vanguard Windsor Fund; Admiral Shares	VWNEX
Vanguard Windsor Funds: Vanguard Windsor II Fund; Investor Shares	VWNFX
Washington Mutual Investors Fund; Class A Shares	AWSHX

**Index Name Full Fund Name****Nasdaq Symbol****Lipper Growth Funds Index**

AIM Counselor Series Trust (Invesco Counselor Series Trust): Invesco American Franchise Fund; Class A Shares	VAFAX
AMCAP Fund; Class A Shares	AMCPX
American Century Mutual Funds, Inc: Ultra Fund; Investor Class Shares	TWCUX
DFA Investment Dimensions Group Inc: US Core Equity 1 Portfolio; Institutional Class Shares	DFEOX
DFA Investment Dimensions Group Inc: US Core Equity 2 Portfolio; Institutional Class Shares	DFQTX
Fidelity Capital Trust: Fidelity Value Fund	FDVLX
Fidelity Contrafund	FCNTX
Fidelity Contrafund: Fidelity Advisor New Insights Fund; Class I Shares	FINSX
Fidelity Magellan Fund	FMAGX
Fidelity Mt Vernon Street Trust: Fidelity Growth Company Fund	FDGRX
Fidelity Rutland Square Trust II: Strategic Advisers Core Fund	FCSAX
Fidelity Rutland Square Trust II: Strategic Advisers Growth Fund	FSGFX
Fidelity Rutland Square Trust II: Strategic Advisers Value Fund	FVSAX
Fidelity Securities Fund: Fidelity Blue Chip Growth Fund	FBGRX
Franklin Custodian Funds: Franklin Growth Fund; Class A Shares	FKGRX
Growth Fund of America; Class A Shares	AGTHX
Harbor Funds: Harbor Capital Appreciation Fund; Institutional Class Shares	HACAX
Harris Associates Investment Trust: Oakmark Fund; Investor Class Shares	OAKMX
JP Morgan Fleming Mutual Fund Group, Inc: JPMorgan Mid Cap Value Fund; Class L Shares	FLMVX
MainStay Funds: MainStay Large Cap Growth Fund; Class I Shares	MLAIX
New Economy Fund; Class A Shares	ANEFX
PRIMECAP Odyssey Funds: PRIMECAP Odyssey Aggressive Growth Fund	POAGX
PRIMECAP Odyssey Funds: PRIMECAP Odyssey Growth Fund	POGRX
T Rowe Price Blue Chip Growth Fund, Inc	TRBCX
T Rowe Price Growth Stock Fund, Inc	PRGFX
T Rowe Price Institutional Equity Funds, Inc: T Rowe Price Institutional Large-Cap Growth Fund	TRLGX
TIAA-CREF Funds: Equity Index Fund; Institutional Class Shares	TIEIX
Vanguard Chester Funds: Vanguard PRIMECAP Fund; Admiral Shares	VPMAX
Vanguard Fenway Funds: Vanguard PrimeCap Core Fund; Investor Shares	VPCCX
Vanguard Institutional Index Fund: Vanguard Institutional Total Stock Market Index Fund; Institutional Plus	VITPX

**Index Name    Full Fund Name**

**Nasdaq Symbol**

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**Lipper Health/Biotechnology Funds Index**

BlackRock Funds: BlackRock Health Sciences Opportunities Portfolio; Investor A Shares	SHSAX
Fidelity Advisor Series VII: Fidelity Advisor Biotechnology Fund; Class A Shares	FBTAX
Fidelity Advisor Series VII: Fidelity Advisor Health Care Fund; Class A Shares	FACDX
Fidelity Select Portfolios: Biotechnology Portfolio	FBIOX
Fidelity Select Portfolios: Health Care Portfolio	FSPHX
Fidelity Select Portfolios: Medical Technology and Devices Portfolio	FSMEX
Franklin Strategic Series: Franklin Biotechnology Discovery Fund; Class A Shares	FBDIX
Prudential Sector Funds, Inc: Prudential Jennison Health Sciences Fund; Class A Shares	PHLAX
Schwab Capital Trust: Schwab Health Care Fund	SWHFX
T Rowe Price Health Sciences Fund, Inc	PRHSX

**Lipper Income Funds Index**

Advisors' Inner Circle Fund: Westwood Income Opportunity Fund; Institutional Shares	WHGIX
American Century Asset Allocation Portfolios, Inc: One Choice In Retirement Portfolio; Investor Class Shares	ARTOX
American Funds Portfolio Series: American Funds Conservative Growth and Income Portfolio; Class A Shares	INPAX
American Funds Portfolio Series: American Funds Tax-Advantaged Growth and Income Portfolio; Class A Shares	TAIAX
Chartwell Funds: Berwyn Income Fund	BERIX
Dimensional Investment Group Inc: Global Allocation 25/75 Portfolio; Institutional Class Shares	DGTSX
Federated Income Securities Trust: Federated Capital Income Fund; Class A Shares	CAPAX
Fidelity Aberdeen Street Trust: Fidelity Freedom 2010 Fund	FFFCX
Fidelity Aberdeen Street Trust: Fidelity Freedom Income Fund	FFFAX
Fidelity Charles Street Trust: Fidelity Asset Manager 20%	FASIX
Fidelity Charles Street Trust: Fidelity Asset Manager 30%	FTANX
Fidelity Charles Street Trust: Fidelity Asset Manager 40%	FFANX
Franklin Custodian Funds: Franklin Income Fund; Class A Shares	FKINX
Hartford Mutual Funds, Inc: Hartford Balanced Income Fund; Class A Shares	HBLAX
Income Fund of America; Class A Shares	AMECX
John Hancock Funds II: Multimanager Lifestyle Conservative Portfolio; Class 1 Shares	JILCX
John Hancock Funds II: Multimanager Lifestyle Moderate Portfolio; Class 1 Shares	JILMX
JPMorgan Trust I: JPMorgan SmartRetirement Income Fund; Class R5 Shares	JSIIX
JPMorgan Trust II: JPMorgan Investor Conservative Growth Fund; Class A Shares	OICAX
Lord Abbett Investment Trust: Lord Abbett Multi-Asset Income Fund; Class A Shares	ISFAX
MFS Series Trust X: MFS Conservative Allocation Fund; Class A Shares	MACFX
MFS Series Trust XIII: MFS Diversified Income Fund; Class A Shares	DIFAX
Oppenheimer Capital Income Fund; Class A Shares	OPPEX
Principal Funds, Inc: SAM Flexible Income Portfolio; Class J Shares	PFIJX
Putnam Asset Allocation Funds: Putnam Dynamic Asset Allocation Balanced Fund; Class A Shares	PABAX
T Rowe Price Personal Strategy Funds, Inc: T Rowe Price Personal Strategy Income Fund	PRSIX
T Rowe Price Retirement Funds, Inc: T Rowe Price Retirement Balanced Fund	TRRIX
Templeton Global Investment Trust: Templeton Global Balanced Fund; Class A Shares	TAGBX
Vanguard Chester Funds: Vanguard Target Retirement Income Fund; Investor Class Shares	VTINX
Vanguard/Wellesley Income Fund, Inc: Vanguard Wellesley Income Fund; Admiral Shares	VWIAX

**Index Name    Full Fund Name**

**Nasdaq Symbol**

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**Lipper Industrials Funds Index**

Fidelity Advisor Series VII: Fidelity Advisor Industrials Fund; Class A Shares	FCLAX
Fidelity Select Portfolios: Defense and Aerospace Portfolio	FSDAX
Fidelity Select Portfolios: Environment and Alternative Energy Portfolio	FSLEX
Fidelity Select Portfolios: Industrial Equipment Portfolio	FSCGX
Fidelity Select Portfolios: Industrials Portfolio	FCYIX
Fidelity Select Portfolios: Transportation Portfolio	FSRFX
ICON Funds: ICON Industrials Fund; Class S Shares	ICTRX
Putnam Funds Trust: Putnam Global Industrials Fund; Class A Shares	PGIAX
Rydex Series Funds: Transportation Fund; Investor Class Shares	RYPIX
T Rowe Price International Funds, Inc: T Rowe Price Global Industrials Fund	RPGIX

**Lipper International Equity Income Fund Index**

BNY Mellon Funds Trust: BNY Mellon International Equity Income Fund; Class M Shares	MLIMX
Cullen Funds Trust: Cullen Emerging Markets High Dividend Fund; Class I Shares	CEMFX
Cullen Funds Trust: Cullen International High Dividend Fund; Class I Shares	CIHIX
Federated Equity Funds: Federated International Strategic Value Dividend Fund; Institutional Shares	IVFIX
Federated Managed Pool Series: Federated International Dividend Strategy Portfolio	FIDPX
Forward Funds: Salient International Dividend Signal Fund; Institutional Class Shares	FFIEX
Goldman Sachs Trust: Goldman Sachs International Equity Dividend and Premium Fund; Institutional Shares	GIDHX
JPMorgan Trust I: JPMorgan International Equity Income Fund; Class A Shares	JEIAX
Lord Abbett Securities Trust: Lord Abbett International Dividend Income Fund; Class I Shares	LAIDX
Matthews International Funds: Matthews Asia Dividend Fund; Investor Class Shares	MAPIX

**Index Name Full Fund Name****Nasdaq Symbol****Lipper International Funds Index**

Artisan Partners Funds, Inc: Artisan International Fund; Investor Shares	ARTIX
Causeway Capital Management Trust: Causeway International Value Fund; Institutional Class Shares	CIVIX
DFA Investment Dimensions Group Inc: International Core Equity Portfolio; Institutional Class Shares	DFIEX
Dimensional Investment Group Inc: DFA International Value Portfolio; Institutional Class Shares	DFIVX
Dodge & Cox Funds: Dodge & Cox International Stock Fund	DODFX
EuroPacific Growth Fund; Class A Shares	AEPGX
Fidelity Concord Street Trust: Fidelity International Index Fund; Premium Class Shares	FSIVX
Fidelity Investment Trust: Fidelity Diversified International Fund	FDIVX
Fidelity Investment Trust: Fidelity International Discovery Fund	FIGRX
Fidelity Investment Trust: Fidelity Series International Growth Fund	FIGSX
Fidelity Investment Trust: Fidelity Series International Value Fund	FINVX
Fidelity Rutland Square Trust II: Strategic Advisers International Fund	FILFX
First Eagle Funds: First Eagle Overseas Fund; Class I Shares	SGOIX
GMO Trust: GMO International Equity Fund; Class IV Shares	GMCFX
Harbor Funds: Harbor International Fund; Institutional Class Shares	HAINX
Harding, Loevner Funds, Inc: International Equity Portfolio; Institutional Class Shares	HLMIX
Harris Associates Investment Trust: Oakmark International Fund; Investor Class Shares	OAKIX
MFS Institutional Trust: MFS Institutional International Equity Fund	MIEIX
MFS Series Trust X: MFS International Value Fund; Class I Shares	MINIX
Oppenheimer International Growth Fund; Class Y Shares	OIGYX
Principal Funds, Inc: Diversified International Fund; Institutional Class Shares	PIIX
SEI Institutional Investments Trust: World Equity Ex-US Fund; Class A Shares	WEUSX
T Rowe Price International Funds, Inc: T Rowe Price International Stock Fund	PRITX
T Rowe Price International Funds, Inc: T Rowe Price International Value Equity Fund	TRIGX
T Rowe Price International Funds, Inc: T Rowe Price Overseas Stock Fund	TROSX
TIAA-CREF Funds: International Equity Index Fund; Institutional Class Shares	TCIEX
Tweedy, Browne Fund, Inc: Tweedy, Browne Global Value Fund	TBGVX
Vanguard STAR Funds: Vanguard Total International Stock Index Fund; Investor Shares	VGTSX
Vanguard Trustees' Equity Fund: Vanguard International Value Fund; Investor Shares	VTRIX
Vanguard World Funds: Vanguard International Growth Fund; Investor Shares	VWIGX



**Index Name    Full Fund Name**

**Nasdaq Symbol**

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**Lipper International Large-Cap Core Funds Index**

Bridge Builder Trust: Bridge Builder International Equity Fund	BBIEX
Dodge & Cox Funds: Dodge & Cox International Stock Fund	DODFX
Fidelity Investment Trust: Fidelity Series International Value Fund	FINVX
Ivy Funds: Ivy International Core Equity Fund; Class I Shares	ICEIX
JPMorgan Trust I: JPMorgan International Equity Fund; Class R6 Shares	JNEMX
JPMorgan Trust II: JPMorgan International Research Enhanced Equity Fund; Class I Shares	OIEAX
MainStay Funds Trust: MainStay Epoch International Choice Fund; Class I Shares	ICEUX
Russell Investment Company: Multifactor International Equity Fund; Class Y Shares	RTIYX
T Rowe Price International Funds, Inc: T Rowe Price Overseas Stock Fund	TROSX
Vanguard Trustees' Equity Fund: Vanguard International Value Fund; Investor Shares	VTRIX

**Lipper International Large-Cap Growth Funds Index**

Aberdeen Funds: Aberdeen International Equity Fund; Institutional Class Shares	GIGIX
Advisors' Inner Circle Fund II: RSQ International Equity Fund; Institutional Class Shares	RSQIX
AIM International Mutual Funds (Invesco International Mutual Funds): Invesco International Gro Fd; CI Y Shs	AIYX
American Century World Mutual Funds, Inc: International Growth Fund; Investor Class Shares	TWIEX
American Century World Mutual Funds, Inc: NT International Growth Fund; Class G Shares	ACLNX
Artisan Partners Funds, Inc: Artisan International Fund; Investor Shares	ARTIX
BBH Trust: BBH Partner Fund - International Equity; Class I Shares	BBHLX
Capital Group Private Client Services Funds: Capital Group International Equity Fund	CNUSX
Carillon Series Trust: Carillon Scout International Fund; Class I Shares	UMBWX
Elfun Funds: Elfun International Equity Fund	EGLBX
EuroPacific Growth Fund; Class R6 Shares	REGRX
First Investors Equity Funds: International Fund; Class A Shares	FIINX
Harbor Funds: Harbor International Fund; Institutional Class Shares	HAINX
Harding, Loevner Funds, Inc: International Equity Portfolio; Institutional Class Shares	HLMIX
Hartford Mutual Funds II, Inc: Hartford Schroders International Stock Fund; Class I Shares	SCIEX
Hartford Mutual Funds, Inc: Hartford International Opportunities Fund; Class Y Shares	HAOYX
Investment Managers Series Trust: Aristotle International Equity Fund; Class I Shares	ARSFX
JPMorgan Trust I: JPMorgan International Unconstrained Equity Fund; Class R6 Shares	IUENX
Lazard Funds, Inc: Lazard International Equity Portfolio; Institutional Shares	LZIEX
MFS Institutional Trust: MFS Institutional International Equity Fund	MIEIX
Morgan Stanley Institutional Fund, Inc: International Equity Portfolio; Class I Shares	MSIQX
RBC Funds Trust: RBC International Opportunities Fund; Class I Shares	RIOIX
SCM Trust: Shelton International Select Equity Fund; Institutional Class Shares	SISEX
State Street Institutional Funds: State Street Institutional International Equity Fund; Investment Class Shs	SIEIX
Strategic Funds, Inc: International Stock Fund; Class Y Shares	DISYX
Thornburg Investment Trust: Thornburg International Value Fund; Institutional Class Shares	TGVIX
Timothy Plan: Timothy Plan International Fund; Class A Shares	TPIAX
Vanguard World Funds: Vanguard International Growth Fund; Admiral Shares	VWILX
Virtus Opportunities Trust: Virtus Vontobel Foreign Opportunities Fund; Class I Shares	JVXIX
William Blair Funds: International Leaders Fund; Institutional Class Shares	WILJX

**Index Name    Full Fund Name**

**Nasdaq Symbol**

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**Lipper International Large-Cap Value Index**

Advisors' Inner Circle Fund: Cambiar International Equity Fund; Institutional Class Shares	CAMYX
Advisors' Inner Circle Fund: McKee International Equity Portfolio; Institutional Class Shares	MKIEX
Causeway Capital Management Trust: Causeway International Value Fund; Institutional Class Shares	CIVIX
Delaware Pooled Trust: Macquarie Labor Select International Equity Portfolio	DELPX
Gallery Trust: Mondrian International Equity Fund	DPIEX
GMO Trust: GMO International Large/Mid Cap Equity Fund; Class IV Shares	GMIRX
JPMorgan Trust I: JPMorgan International Value Fund; Class I Shares	JIESX
Laudus Trust: Laudus Mondrian International Equity Fund	LIEIX
Principal Funds, Inc: Overseas Fund; Institutional Class Shares	PINZX
Putnam Funds Trust: Putnam International Value Fund; Class A Shares	PNGAX

**Index Name Full Fund Name****Nasdaq Symbol****Lipper International Multi-Cap Core Funds Index**

AMG Funds IV: AMG Managers Pictet International Fund; Class I	APCTX
Artisan Partners Funds, Inc: Artisan International Value Fund; Investor Shares	ARTKX
BlackRock Index Funds, Inc: iShares MSCI EAFE International Index Fund; Class K Shares	BTMKX
DFA Investment Dimensions Group Inc: International Core Equity Portfolio; Institutional Class Shares	DFIEX
DFA Investment Dimensions Group Inc: Large Cap International Portfolio; Institutional Class Shares	DFALX
DFA Investment Dimensions Group Inc: TA World ex US Core Equity Portfolio; Institutional Class Shares	DFTWX
DFA Investment Dimensions Group Inc: World ex US Core Equity Portfolio; Institutional Class Shares	DFWIX
Fidelity Concord Street Trust: Fidelity International Index Fund; Premium Class Shares	FSIVX
Fidelity Salem Street Trust: Fidelity SAI International Index Fund	FIONX
Fidelity Salem Street Trust: Fidelity Series Global ex US Index Fund	FSGEX
First Eagle Funds: First Eagle Overseas Fund; Class I Shares	SGOIX
FMI Funds, Inc: FMI International Fund; Investor Class Share	FMIJX
IVA Fiduciary Trust: IVA International Fund; Class I Shares	IVIQX
JPMorgan Trust I: JPMorgan Intrepid International Fund; Class R6 Shares	JIFFX
KP Funds: KP International Equity Fund; Institutional Class Shares	KPIEX
MFS Series Trust X: MFS International Diversification Fund; Class A Shares	MDIDX
Nationwide Mutual Funds: Nationwide International Index Fund; Class R6 Shares	GIXIX
Northern Funds: International Equity Index Fund	NOINX
Oppenheimer International Diversified Fund; Class A Shares	OIDAX
PIMCO Funds: PIMCO RAE Low Volatility PLUS International Fund; Institutional Class Shares	PLVTX
PIMCO Funds: PIMCO StocksPLUS International Fund (US Dollar-Hedged); Institutional Class Shares	PISIX
Russell Investment Company: International Developed Markets Fund; Class S Shares	RINTX
Schwab Capital Trust: Schwab International Index Fund	SWISX
SEI Institutional International Trust: International Equity Fund; Class F Shares	SEITX
State Street Institutional Investment Trust: State Street Hedged Internatl Developed Eq Idx Fd; Class K Shares	SSHQX
TIAA-CREF Funds: Enhanced International Equity Index Fund; Institutional Class Shares	TFIIX
TIAA-CREF Funds: International Equity Index Fund; Institutional Class Shares	TCIEX
Transamerica Funds: Transamerica International Equity; Class I2 Shares	TRWIX
Tweedy, Browne Fund, Inc: Tweedy, Browne Global Value Fund	TBGVX
Vanguard STAR Funds: Vanguard Total International Stock Index Fund; Investor Shares	VGTSX

**Lipper International Multi-Cap Growth Funds Index**

Advisers Investment Trust: JOHCM International Select Fund; Class I Shares	JOHIX
Fidelity Investment Trust: Fidelity Canada Fund; Canada Shares	FICDX
Fidelity Investment Trust: Fidelity International Capital Appreciation Fund	FIVFX
Fidelity Investment Trust: Fidelity International Discovery Fund	FIGRX
Fidelity Investment Trust: Fidelity Overseas Fund	FOSFX
Fidelity Investment Trust: Fidelity Series International Growth Fund	FIGSX
Fidelity Rutland Square Trust II: Strategic Advisers International Fund	FILFX
Fidelity Rutland Square Trust II: Strategic Advisers International II Fund	FUSIX
Fidelity Salem Street Trust: Fidelity SAI International Minimum Volatility Index Fund	FSK LX
International Growth & Income Fund; Class A Shares	IGAAX
Investment Managers Series Trust: WCM Focused International Growth Fund; Institutional Class Shares	WCMIX
Janus Investment Fund: Janus Henderson International Opportunities Fund; Class I Shares	HFOIX
John Hancock Funds III: International Growth Fund; Class I Shares	GOGIX
Lazard Funds, Inc: Lazard International Strategic Equity Portfolio; Institutional Shares	LISIX
MFS Series Trust I: MFS Research International Fund; Class R6 Shares	MRSKX
MFS Series Trust X: MFS International Growth Fund; Class R6 Shares	MGRDX
MFS Series Trust X: MFS International Value Fund; Class I Shares	MINIX
Neuberger Berman Equity Funds: Neuberger Berman International Equity Fund; Institutional Class Shares	NBIIX
Oppenheimer International Growth Fund; Class Y Shares	OIGYX
Principal Funds, Inc: Diversified International Fund; Institutional Class Shares	PIIIX
Sanford C Bernstein Fund, Inc: International Portfolio; International Class Shares	SIMTX
Sanford C Bernstein Fund, Inc: Tax-Managed International Portfolio; Tax-Managed International Shares	SNIVX
SEI Institutional Investments Trust: World Equity Ex-US Fund; Class A Shares	WEUSX
T Rowe Price International Funds, Inc: T Rowe Price International Stock Fund	PRITX
T Rowe Price Spectrum Fund, Inc: Spectrum International Fund	PSILX
TIAA-CREF Funds: International Equity Fund; Institutional Class Shares	TIIE X
TIAA-CREF Funds: International Opportunities Fund; Institutional Class Shares	TIOIX
USAA Mutual Funds Trust: International Fund; Institutional Class Shares	UIIFX
William Blair Funds: Institutional International Growth Fund	WBII X
William Blair Funds: International Growth Fund; Class I Shares	BIGIX

**Lipper International Multi-Cap Value Funds Index**

AB Trust: AB International Value Fund; Class A Shares	ABIAx
Allianz Funds: AllianzGI NFJ International Value Fund; Class A Shares	AFJAX
American Century World Mutual Funds, Inc: NT International Value Fund; Class G Shares	ANTYX
AQR Funds: AQR TM International Multi-Style Fund; Class R6 Shares	QIMRX
Brandes Investment Trust: Brandes International Equity Fund; Class I Shares	BIEX
Delaware Group Global & International Funds: Delaware International Value Equity Fund; Institutional Class Shs	DEQIX
DFA Investment Dimensions Group Inc: Tax-Managed DFA International Value Portfolio; Institutional Class Shares	DTMIX
DFA Investment Dimensions Group Inc: World ex US Value Portfolio; Institutional Class Shares	DFWVX
Dimensional Investment Group Inc: DFA International Value Portfolio; Institutional Class Shares	DFIVX
Franklin Mutual Series Funds: Franklin Mutual International Fund; Class A Shares	FMIAX
Glenmede Fund, Inc: International Portfolio	GTCIX
GMO Trust: GMO International Equity Fund; Class IV Shares	GMCFX
GMO Trust: GMO Tax-Managed International Equities Fund; Class III Shares	GTMIX
Harris Associates Investment Trust: Oakmark International Fund; Investor Class Shares	OAKIX
Hartford Mutual Funds II, Inc: Hartford Schroders International Multi-Cap Value Fund; Class SDR Shares	SIDRX
Hartford Mutual Funds, Inc: Hartford International Value Fund; Class I Shares	HILIX
John Hancock Funds II: International Value Fund; Class NAV Shares	JHVIX
Legg Mason Partners Equity Trust: ClearBridge International Value Fund; Class IS Shares	LSIUX
Nuveen Investment Trust II: Nuveen NWQ International Value Fund; Class I Shares	NGRRX
Pear Tree Funds: Pear Tree Polaris Foreign Value Fund; Ordinary Shares	QFVOX
RBB Fund, Inc: Free Market International Equity Fund; Institutional Class Shares	FMNEX
SA Funds - Investment Trust: SA International Value Fund	SAHMX
Schwab Capital Trust: Schwab Fundamental International Large Company Index Fund	SFNNX
SSgA Funds: SSgA International Stock Selection Fund; Class N Shares	SSAIX
T Rowe Price International Funds, Inc: T Rowe Price International Value Equity Fund	TRIGX
Target Portfolio Trust: Target International Equity Portfolio; Class R Shares	TEQRX
Templeton Funds, Inc: Templeton Foreign Fund; Class A Shares	TEMFx
Templeton Institutional Funds: International Equity Series; Primary Shares	TFEQX
Wells Fargo Funds Trust: Wells Fargo International Equity Fund; Institutional Class Shares	WFENX
Wells Fargo Funds Trust: Wells Fargo International Value Fund; Institutional Class Shares	WFVIX

**Index Name Full Fund Name****Nasdaq Symbol****Lipper International Real Estate Fund Index**

Alpine Equity Trust: Alpine International Real Estate Equity Fund; Institutional Class Shares	EGLRX
Cohen & Steers International Realty Fund, Inc; Class A Shares	IRFAX
DFA Investment Dimensions Group Inc: DFA International Real Estate Securities Portfolio; Institutional Cl Shs	DFITX
Fidelity Select Portfolios: Fidelity International Real Estate Fund	FIREX
Forward Funds: Salient International Real Estate Fund; Class A Shares	KIRAX
Goldman Sachs Trust: Goldman Sachs International Real Estate Securities Fund; Institutional Shares	GIRIX
Morgan Stanley Institutional Fund, Inc: International Real Estate Portfolio; Class I Shares	MSUAX
Virtus Opportunities Trust: Virtus Duff & Phelps International Real Estate Securities Fund; Class I Shares	PXRIX
Voya Mutual Funds: Voya International Real Estate Fund; Class I Shares	IIRIX
World Funds Trust: REMS International Real Estate Value-Opportunity Fund; Founders Class Shares	REIFX

**Lipper International Small/Mid-Cap Core Funds Index**

Bernstein Fund, Inc: International Small Cap Portfolio; Advisor Class Shares	IRCYX
DFA Investment Dimensions Group Inc: International Small Company Portfolio; Institutional Class Shares	DFISX
Fidelity Investment Trust: Fidelity International Small Cap Fund	FISMX
FPA Funds Trust: FPA International Value Fund	FPIVX
GMO Trust: GMO Foreign Small Companies Fund; Class III Shares	GMFSX
Goldman Sachs Trust: Goldman Sachs International Small Cap Insights Fund; Institutional Class Shares	GICIX
Pear Tree Funds: Pear Tree Polaris Foreign Value Small Cap Fund; Ordinary Class Shares	QUSOX
Putnam Investment Funds: Putnam International Capital Opportunities Fund; Class A Shares	PNVAX
SA Funds - Investment Trust: SA International Small Company Fund	SAISX
Schwab Capital Trust: Schwab Fundamental International Small Company Index Fund	SFILX

**Index Name Full Fund Name****Nasdaq Symbol****Lipper International Small/Mid-Cap Growth Funds Index**

American Century World Mutual Funds, Inc: International Discovery Fund; Investor Class Shares	TWEGX
American Century World Mutual Funds, Inc: International Opportunities Fund; Investor Class Shares	AIOIX
American Century World Mutual Funds, Inc: NT International Small-Mid Cap Fund; Class G Shares	ANTMX
Artisan Partners Funds, Inc: Artisan International Small Cap Fund; Investor Shares	ARTJX
Columbia Acorn Trust: Columbia Acorn International; Institutional Class Shares	ACINX
DFA Investment Dimensions Group Inc: International Small Cap Growth Portfolio; Institutional Class Shares	DISMX
Dreyfus Stock Funds: Dreyfus International Small Cap Fund; Class Y Shares	DYYPX
Driehaus Mutual Funds: Driehaus International Small Cap Growth Fund	DRIOX
Fidelity Investment Trust: Fidelity International Small Cap Opportunities Fund	FSCOX
Fidelity Investment Trust: Fidelity Series International Small Cap Fund	FSTSX
Financial Investors Trust: Grandeur Peak International Opportunities Fund; Institutional Class Shares	GPIIX
Financial Investors Trust: Grandeur Peak International Stalwarts Fund; Institutional Class Shares	GISYX
Franklin Global Trust: Franklin International Small Cap Growth Fund; Advisor Class Shares	FKSCX
Harris Associates Investment Trust: Oakmark International Small Cap Fund; Investor Class Shares	OAKEX
Hartford Mutual Funds, Inc: Hartford International Small Company Fund; Class Y Shares	HNSYX
Lord Abbett Securities Trust: Lord Abbett International Opportunities Fund; Class I Shares	LINYX
Manning & Napier Fund, Inc: Rainier International Discovery Series; Class I Shares	RAIIX
MFS Series Trust V: MFS International New Discovery Fund; Class I Shares	MWNIX
Oberweis Funds: Oberweis International Opportunities Fund; Investor Class Shares	OBIOX
Oberweis Funds: Oberweis International Opportunities Institutional Fund	OBIIX
Oppenheimer International Small-Mid Company Fund; Class A Shares	OSMAX
Principal Funds, Inc: International Small Company Fund; Institutional Class Shares	PISMX
T Rowe Price International Funds, Inc: T Rowe Price International Discovery Fund	PRIDX
Templeton Institutional Funds: Foreign Smaller Companies Series	TFSCX
Touchstone Strategic Trust: Touchstone International Small Cap Fund; Institutional Class Shares	TNSIX
Vanguard Whitehall Funds: Vanguard International Explorer Fund; Investor Shares	VINEX
Victory Portfolios: Victory Trivalent International Small-Cap Fund; Class I Shares	MISIX
Wasatch Funds Trust: Wasatch International Growth Fund; Investor Class Shares	WAIGX
Wasatch Funds Trust: Wasatch International Opportunities Fund; Investor Class Shares	WAIOX
William Blair Funds: International Small Cap Growth Fund; Class I Shares	WISIX



**Index Name Full Fund Name****Nasdaq Symbol****Lipper International Small-Cap Funds Index**

American Century World Mutual Funds, Inc: International Discovery Fund; Investor Class Shares	TWEGX
Artisan Partners Funds, Inc: Artisan International Small Cap Fund; Investor Shares	ARTJX
BMO Funds, Inc: BMO Pyrford International Stock Fund; Class I Shares	MISNX
Brandes Investment Trust: Brandes International Small Cap Equity Fund; Class I Shares	BISMX
Columbia Acorn Trust: Columbia Acorn International; Institutional Class Shares	ACINX
DFA Investment Dimensions Group Inc: DFA International Small Cap Value Portfolio; Institutional Class Shares	DISVX
DFA Investment Dimensions Group Inc: DFA International Vector Equity Portfolio; Institutional Class Shares	DFVQX
DFA Investment Dimensions Group Inc: International Small Company Portfolio; Institutional Class Shares	DFISX
DFA Investment Dimensions Group Inc: World ex US Core Equity Portfolio; Institutional Class Shares	DFWIX
Dreyfus Stock Funds: Dreyfus International Small Cap Fund; Class Y Shares	DYYPX
Driehaus Mutual Funds: Driehaus International Small Cap Growth Fund	DRIOX
Fidelity Investment Trust: Fidelity International Small Cap Fund	FISMX
Fidelity Investment Trust: Fidelity International Small Cap Opportunities Fund	FSCOX
Fidelity Investment Trust: Fidelity Series International Small Cap Fund	FSTSX
Financial Investors Trust: Grandeur Peak International Opportunities Fund; Institutional Class Shares	GPIIX
Franklin Global Trust: Franklin International Small Cap Growth Fund; Advisor Class Shares	FKSCX
GMO Trust: GMO Foreign Small Companies Fund; Class IV Shares	GFSFX
Goldman Sachs Trust: Goldman Sachs International Small Cap Insights Fund; Institutional Class Shares	GICIX
Harris Associates Investment Trust: Oakmark International Small Cap Fund; Investor Class Shares	OAKEX
Lord Abbett Securities Trust: Lord Abbett International Opportunities Fund; Class I Shares	LINYX
Oberweis Funds: Oberweis International Opportunities Institutional Fund	OBIIX
Oppenheimer International Small-Mid Company Fund; Class A Shares	OSMAX
Principal Funds, Inc: International Small Company Fund; Institutional Class Shares	PISMX
SA Funds - Investment Trust: SA International Small Company Fund	SAISX
T Rowe Price International Funds, Inc: T Rowe Price International Discovery Fund	PRIDX
Templeton Institutional Funds: Foreign Smaller Companies Series	TFSCX
Vanguard Whitehall Funds: Vanguard International Explorer Fund; Investor Shares	VINEX
Wasatch Funds Trust: Wasatch International Growth Fund; Investor Class Shares	WAIGX
Wasatch Funds Trust: Wasatch International Opportunities Fund; Investor Class Shares	WAIOX
William Blair Funds: International Small Cap Growth Fund; Class I Shares	WISIX

**Index Name    Full Fund Name**

**Nasdaq Symbol**

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**Lipper Japan Funds Index**

Brown Advisory Funds: Brown Advisory - WMC Japan Alpha Opportunities Fund; Institutional Class Shares	BAFJX
Commonwealth International Series Trust: Commonwealth Japan Fund	CNJFX
DFA Investment Dimensions Group Inc: Japanese Small Company Portfolio; Institutional Class Shares	DFJSX
Fidelity Investment Trust: Fidelity Japan Fund	FJPNX
Fidelity Investment Trust: Fidelity Japan Smaller Companies Fund	FJSCX
Hennessy Funds Trust: Hennessy Japan Fund; Investor Class Shares	HJPNX
Hennessy Funds Trust: Hennessy Japan Small Cap Fund; Investor Class Shares	HJPSX
Matthews International Funds: Matthews Japan Fund; Investor Class Shares	MJFOX
SunAmerica Equity Funds: AIG Japan Fund; Class A Shares	SAESX
T Rowe Price International Funds, Inc: T Rowe Price Japan Fund	PRJPX

**Lipper Micro-Cap Funds Index**

Advisors' Inner Circle Fund: Rice Hall James Micro Cap Portfolio; Institutional Class Shares	RHJSX
Advisors' Inner Circle Fund: Thomson Horstmann & Bryant MicroCap Fund; Institutional Class Shares	THBIX
Allianz Funds Multi-Strategy Trust: AllianzGI Micro Cap Fund; Institutional Class Shares	AMCIX
Allianz Funds Multi-Strategy Trust: AllianzGI Ultra Micro Cap Fund; Class A Shares	GUCAX
AMG Funds I: AMG Managers Emerging Opportunities Fund; Class N Shares	MMCFX
AMG Funds III: AMG Managers Cadence Emerging Companies Fund; Class I Shares	MECIX
Ancora Trust: Ancora MicroCap Fund; Class I Shares	ANCIX
Bridgeway Funds, Inc: Bridgeway Ultra-Small Company Fund	BRUSX
Bridgeway Funds, Inc: Bridgeway Ultra-Small Company Market Fund	BRSIX
Buffalo Funds: Buffalo Emerging Opportunities Fund	BUFOX
DFA Investment Dimensions Group Inc: US Micro Cap Portfolio; Institutional Class Shares	DFSCX
Driehaus Mutual Funds: Driehaus Micro Cap Growth Fund	DMCRX
Forum Funds II: Acuitas US Microcap Fund; Institutional Class Shares	AFMCX
Franklin Value Investors Trust: Franklin MicroCap Value Fund; Class A Shares	FRMCX
Ivy Funds: Ivy Micro Cap Growth Fund; Class A Shares	IGWAX
James Advantage Funds: James Micro Cap Fund	JMCRX
Oberweis Funds: Oberweis Micro-Cap Fund; Investor Class Shares	OBMCX
Paradigm Funds: Paradigm Micro-Cap Fund	PVIVX
Perritt Funds, Inc: Perritt MicroCap Opportunities Fund	PRCGX
Perritt Funds, Inc: Perritt Ultra MicroCap Fund	PREOX
RBC Funds Trust: RBC Enterprise Fund; Class I Shares	TETIX
RBC Funds Trust: RBC Microcap Value Fund; Class I Shares	RMVIX
Royce Fund: Royce Micro-Cap Fund; Investment Class Shares	RYOTX
Satuit Capital Management Trust: Satuit Capital US Emerging Companies Fund; Class A Shares	SATMX
TETON Westwood Funds: TETON Westwood Mighty Mites Fund; Class I Shares	WEIMX
Victory Portfolios: Victory Integrity Discovery Fund; Class A Shares	MMEAX
Wasatch Funds Trust: Wasatch Micro Cap Fund; Investor Class Shares	WMICX
Wasatch Funds Trust: Wasatch Micro Cap Value Fund; Investor Class Shares	WAMVX
Wasatch Funds Trust: Wasatch Small Cap Value Fund; Investor Class Shares	WMCVX
Westcore Trust: Westcore Micro-Cap Opportunity Fund; Retail Class Shares	WTMIX

**Index Name Full Fund Name****Nasdaq Symbol****Lipper Mid-Cap Funds Index**

American Century Capital Portfolios, Inc: Mid Cap Value Fund; Investor Class Shares	ACMVX
AMG Funds IV: AMG Managers Fairpointe Mid Cap Fund; Class I Shares	ABMIX
Artisan Partners Funds, Inc: Artisan Mid Cap Fund; Investor Shares	ARTMX
BNY Mellon Funds Trust: BNY Mellon Mid Cap Multi-Strategy Fund; Class M Shares	MPMCX
DFA Investment Dimensions Group Inc: US Targeted Value Portfolio; Institutional Class Shares	DFFVX
Dreyfus Midcap Index Fund, Inc; Investor Class Shares	PESPX
Fidelity Commonwealth Trust: Fidelity Mid-Cap Stock Fund	FMCSX
Fidelity Concord Street Trust: Fidelity Extended Market Index Fund; Premium Class Shares	FSEVX
Fidelity Devonshire Trust: Fidelity Mid Cap Value Fund; Mid Cap Value Shares	FSMVX
Fidelity Securities Fund: Fidelity OTC Portfolio	FOCPX
Goldman Sachs Trust: Goldman Sachs Mid Cap Value Fund; Institutional Shares	GSMCX
Janus Investment Fund: Janus Henderson Enterprise Fund; Class T Shares	JAENX
Janus Investment Fund: Janus Henderson Triton Fund; Class T Shares	JATTX
John Hancock Funds III: John Hancock Disciplined Value Mid Cap Fund; Institutional Class Shares	JVMIX
MFS Series Trust XI: MFS Mid Cap Value Fund; Class R6 Shares	MVCKX
Principal Funds, Inc: MidCap Fund; Institutional Class Shares	PCBIX
Prudential Jennison Mid-Cap Growth Fund, Inc; Class Z Shares	PEGZX
T Rowe Price Institutional Equity Funds, Inc: T Rowe Price Institutional Mid-Cap Equity Growth Fund	PMEGX
T Rowe Price Mid-Cap Growth Fund, Inc	RPMGX
T Rowe Price Mid-Cap Value Fund, Inc	TRMCX
TIAA-CREF Funds: Mid-Cap Value Fund; Institutional Class Shares	TIMVX
Vanguard Horizon Funds: Vanguard Strategic Equity Fund; Investor Class Shares	VSEQX
Vanguard Index Funds: Vanguard Extended Market Index Fund; Institutional Plus Shares	VEMPX
Vanguard Index Funds: Vanguard Mid-Cap Growth Index Fund; Admiral Class Shares	VMGMX
Vanguard Index Funds: Vanguard Mid-Cap Index Fund; Admiral Shares	VIMAX
Vanguard Whitehall Funds: Vanguard Mid-Cap Growth Fund	VMGRX
Vanguard Whitehall Funds: Vanguard Selected Value Fund; Investor Shares	VASVX
Victory Portfolios: Victory Munder Mid-Cap Core Growth Fund; Class Y Shares	MGOYX
Virtus Asset Trust: Virtus Ceredex Mid-Cap Value Equity Fund; Class I Shares	SMVTX
Wells Fargo Funds Trust: Wells Fargo Special Mid Cap Value Fund; Institutional Class Shares	WFMIX

**Index Name Full Fund Name****Nasdaq Symbol****Lipper Natural Resource Funds Index**

Dreyfus Opportunity Funds: Dreyfus Natural Resources Fund; Class I Shares	DLDRX
Fidelity Advisor Series VII: Fidelity Advisor Energy Fund; Class A Shares	FANAX
Fidelity Select Portfolios: Energy Portfolio	FSENX
Fidelity Select Portfolios: Energy Service Portfolio	FSESX
Fidelity Select Portfolios: Natural Gas Portfolio	FSNGX
Fidelity Select Portfolios: Natural Resources Portfolio	FNARX
ICON Funds: ICON Energy Fund; Class S Shares	ICENX
Integrity Funds: Williston Basin/Mid-North America Stock Fund; Class A Shares	ICPAX
Ivy Funds: Ivy Energy Fund; Class A Shares	IEYAX
Spirit of America Investment Fund, Inc: Spirit of America Energy Fund; Class A Shares	SOAEX

**Lipper Pacific Region Ex-Japan Funds Index**

Advisers Investment Trust: JOHCM Asia Ex-Japan Equity Fund; Institutional Class Shares	JOAMX
AIM International Mutual Funds (Invesco International Mutual Funds): Invesco Asia Pacific Growth Fd; CI A Shs	ASIAX
BlackRock Asian Dragon Fund, Inc; Institutional Shares	MAPCX
BlackRock Funds: iShares MSCI Asia ex Japan Index Fund; Class K Shares	BAJKX
Goldman Sachs Trust: Goldman Sachs Asia Equity Fund; Institutional Shares	GSAIX
Matthews International Funds: Matthews Asia Innovators Fund; Investor Class Shares	MATFX
Matthews International Funds: Matthews Asia Small Companies Fund; Investor Class Shares	MSMLX
Matthews International Funds: Matthews Korea Fund; Investor Class Shares	MAKOX
Matthews International Funds: Matthews Pacific Tiger Fund; Institutional Class Shares	MIPTX
T Rowe Price International Funds, Inc: T Rowe Price New Asia Fund	PRASX

**Lipper Pacific Region Funds Index**

AIM Investment Funds (Invesco Investment Funds): Invesco Pacific Growth Fund; Class A Shares	TGRAX
Columbia Funds Series Trust I: Columbia Pacific/Asia Fund; Institutional Class Shares	USPAX
DFA Investment Dimensions Group Inc: Asia Pacific Small Company Portfolio; Institutional Class Shares	DFRSX
Fidelity Investment Trust: Fidelity Pacific Basin Fund	FPBFX
Guinness Atkinson Funds: Asia-Pacific Dividend Builder Fund	GAADX
Matthews International Funds: Matthews Asia Dividend Fund; Investor Class Shares	MAPIX
Matthews International Funds: Matthews Asia Growth Fund; Investor Class Shares	MPACX
Matthews International Funds: Matthews Asian Growth & Income Fund; Investor Class Shares	MACSX
Vanguard International Equity Index Funds: Vanguard Pacific Stock Index Fund; Investor Shares	VPACX
Wells Fargo Funds Trust: Wells Fargo Asia Pacific Fund; Class A Shares	WFAAX

**Index Name    Full Fund Name**

**Nasdaq Symbol**

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**Lipper Precious Metals Equity Fund Index**

American Century Quantitative Equity Funds, Inc: Global Gold Fund; Investor Class Shares	BGEIX
Fidelity Select Portfolios: Gold Portfolio	FSAGX
First Eagle Funds: First Eagle Gold Fund; Class A Shares	SGGDY
Franklin Gold and Precious Metals Fund; Class A Shares	FKRCX
Oppenheimer Gold & Special Minerals Fund; Class A Shares	OPGSX
Tocqueville Trust: Tocqueville Gold Fund	TGLDX
USAA Mutual Funds Trust: Precious Metals & Minerals Fund; Fund Class Shares	USAGX
VanEck Funds: International Investors Gold Fund; Class A Shares	INIVX
Vanguard Specialized Funds: Vanguard Precious Metals & Mining Fund; Investor Shares	VGPMX
Wells Fargo Funds Trust: Wells Fargo Precious Metals Fund; Class A Shares	EKWAX

**Index Name Full Fund Name****Nasdaq Symbol****Lipper Real Estate Funds Index**

AIM Investment Securities Funds (Invesco Investment Securities Funds): Invesco Real Estate Fund; Class A Shs	IARAX
American Century Capital Portfolios, Inc: Real Estate Fund; Investor Class Shares	REACX
AMG Funds I: AMG Managers CenterSquare Real Estate Fund; Class N Shares	MRESX
Baron Select Funds: Baron Real Estate Fund; Institutional Shares	BREIX
CGM Trust: CGM Realty Fund	CGMRX
Cohen & Steers Institutional Realty Shares, Inc	CSRIX
Cohen & Steers Real Estate Securities Fund, Inc; Class I Shares	CSDIX
Cohen & Steers Realty Shares, Inc	CSRSX
Deutsche Securities Trust: Real Estate Securities Fund; Institutional Class Shares	RRRRX
DFA Investment Dimensions Group Inc: DFA Real Estate Securities Portfolio; Institutional Class Shares	DFREX
Fidelity Advisor Series VII: Fidelity Advisor Real Estate Fund; Class I Shares	FHEIX
Fidelity Salem Street Trust: Fidelity Real Estate Index Fund; Premium Class	FSRVX
Fidelity Securities Fund: Fidelity Real Estate Income Fund	FRIFX
Fidelity Securities Fund: Fidelity Series Real Estate Equity Fund	FREDX
Fidelity Securities Fund: Fidelity Series Real Estate Income Fund	FSREX
Fidelity Select Portfolios: Fidelity Real Estate Investment Portfolio	FRESX
Forward Funds: Salient Select Income Fund; Class A Shares	KIFAX
Franklin Real Estate Securities Trust: Franklin Real Estate Securities Fund; Class A Shares	FREEX
Goldman Sachs Trust: Goldman Sachs Real Estate Securities Fund; Institutional Shares	GREIX
John Hancock Funds II: Real Estate Securities Fund; Class 1 Shares	JIREX
Morgan Stanley Institutional Fund, Inc: US Real Estate Portfolio; Class I Shares	MSUSX
Nuveen Investment Funds, Inc: Nuveen Real Estate Securities Fund; Class I Shares	FARCX
Oppenheimer Real Estate Fund; Class A Shares	OREAX
PIMCO Funds: PIMCO RealEstateRealReturn Strategy Fund; Institutional Class Shares	PRRSX
Principal Funds, Inc: Real Estate Securities Fund; Institutional Class Shares	PIREX
T Rowe Price Real Estate Fund, Inc	TRREX
TIAA-CREF Funds: Real Estate Securities Fund; Institutional Class Shares	TIREX
Undiscovered Managers Funds: JPMorgan Realty Income Fund; Class R6 Shares	JPINX
Virtus Opportunities Trust: Virtus Duff & Phelps Real Estate Securities Fund; Class I Shares	PHRIX
Voya Equity Trust: Voya Real Estate Fund; Institutional Shares	CRARX

**Lipper Science & Technology Funds Index**

Advantage Funds, Inc: Dreyfus Technology Growth Fund; Class A Shares	DTGRX
AIM Sector Funds (Invesco Sector Funds): Invesco Technology Fund; Investor Class Shares	FTCHX
AIM Sector Funds (Invesco Sector Funds): Invesco Technology Sector Fund; Class A Shares	IFOAX
Columbia Funds Series Trust I: Columbia Global Technology Growth Fund; Institutional Class Shares	CMTFX
Columbia Funds Series Trust II: Columbia Seligman Communications & Information Fund; Class A Shares	SLMCX
Deutsche Securities Trust: Deutsche Science and Technology Fund; Class A Shares	KTCAX
Fidelity Advisor Series VII: Fidelity Advisor Semiconductors Fund; Class I Shares	FELIX
Fidelity Advisor Series VII: Fidelity Advisor Technology Fund; Class A Shares	FADTX
Fidelity Select Portfolios: Communications Equipment Portfolio	FSDCX
Fidelity Select Portfolios: Computers Portfolio	FDCPX
Fidelity Select Portfolios: IT Services Portfolio	FBSOX
Fidelity Select Portfolios: Semiconductors Portfolio	FSELX
Fidelity Select Portfolios: Software and IT Services Portfolio	FSCSX
Fidelity Select Portfolios: Technology Portfolio	FSPTX
Firsthand Funds: Technology Opportunities Fund	TEFQX
Goldman Sachs Trust: Goldman Sachs Technology Opportunities Fund; Class A Shares	GITAX
ICON Funds: ICON Information Technology Fund; Class S Shares	ICTEX
Ivy Funds: Ivy Science & Technology Fund; Class I Shares	ISTIX
Jacob Funds Inc: Jacob Internet Fund; Investor Class Shares	JAMFX
Kinetics Mutual Funds, Inc: Internet Fund; No Load Class	WWWFX
MFS Series Trust I: MFS Technology Fund; Class A Shares	MTCAX
Nationwide Mutual Funds: Nationwide Bailard Technology & Science Fund; Class M Shares	NWHQX
Nationwide Mutual Funds: Nationwide Ziegler NYSE Arca Tech 100 Index Fund; Class A Shares	NWJCX
Oak Associates Funds: Red Oak Technology Select Fund	ROGSX
Rydex Series Funds: Electronics Fund; Investor Class Shares	RYSIX
T Rowe Price Science & Technology Fund, Inc	PRSCX
USAA Mutual Funds Trust: Science & Technology Fund; Fund Class Shares	USSCX
Victory Portfolios: Victory RS Science and Technology Fund; Class A Shares	RSIFX
Waddell & Reed Advisors Funds: Waddell & Reed Advisors Science & Technology Fund; Class A Shares	UNSCX
Wells Fargo Funds Trust: Wells Fargo Specialized Technology Fund; Class A Shares	WFSTX



**Index Name Full Fund Name****Nasdaq Symbol****Lipper Small Cap Funds Index**

American Beacon Funds: American Beacon Small Cap Value Fund; Institutional Class Shares	AVFIX
Columbia Acorn Trust: Columbia Acorn Fund; Institutional Class Shares	ACRNX
Delaware Group Equity Funds V: Delaware Small Cap Value Fund; Institutional Class Shares	DEVIX
DFA Investment Dimensions Group Inc: Tax-Managed US Small Cap Portfolio; Institutional Class Shares	DFTSX
DFA Investment Dimensions Group Inc: US Small Cap Portfolio; Institutional Class Shares	DFSTX
DFA Investment Dimensions Group Inc: US Small Cap Value Portfolio; Institutional Class Shares	DFSVX
Dreyfus Index Funds, Inc: Dreyfus Smallcap Stock Index Fund; Investor Class Shares	DISSX
Eaton Vance Growth Trust: Eaton Vance Atlanta Capital SMID-Cap Fund; Class I Shares	EISMX
Fidelity Commonwealth Trust: Fidelity Small Cap Discovery Fund	FSCRX
Fidelity Puritan Trust: Fidelity Low-Priced Stock Fund	FLPSX
Fidelity Securities Fund: Fidelity Series Small Cap Opportunities Fund	FSOPX
Fidelity Securities Fund: Fidelity Small Cap Value Fund	FCPVX
Goldman Sachs Trust: Goldman Sachs Small Cap Value Fund; Institutional Shares	GSSIX
JPMorgan Trust I: JPMorgan Small Cap Equity Fund; Class I Shares	VSEIX
Longleaf Partners Funds Trust: Longleaf Partners Small-Cap Fund	LLSCX
Neuberger Berman Equity Funds: Neuberger Berman Genesis Fund; Institutional Class	NBGIX
Northern Funds: Small Cap Value Fund	NOSGX
Schwab Capital Trust: Schwab Small-Cap Index Fund	SWSSX
T Rowe Price Institutional Equity Funds, Inc: T Rowe Price Institutional Small-Cap Stock Fund	TRSSX
T Rowe Price New Horizons Fund, Inc	PRNHX
T Rowe Price Quantitative Management Funds, Inc: T Rowe Price QM US Sm-Cap Growth Eqty Fd, Inc	PRDSX
T Rowe Price Small-Cap Stock Fund, Inc	OTCFX
T Rowe Price Small-Cap Value Fund, Inc	PRSVX
TIAA-CREF Funds: Small-Cap Equity Fund; Institutional Class Shares	TISEX
Vanguard Explorer Fund; Admiral Shares	VEXRX
Vanguard Index Funds: Vanguard Small-Cap Growth Index Fund; Admiral Class Shares	VSGAX
Vanguard Index Funds: Vanguard Small-Cap Index Fund; Admiral Shares	VSMAX
Vanguard Index Funds: Vanguard Small-Cap Value Index Fund; Admiral Class Shares	VSIAX
Vanguard Tax-Managed Funds: Vanguard Tax-Managed Small-Cap Fund;Admiral Shares	VTMSX
Victory Portfolios: Victory Sycamore Small Company Opportunity Fund; Class I Shares	VSOIX

**Index Name Full Fund Name****Nasdaq Symbol****Lipper Specialty & Miscellaneous Funds Index**

Advisors' Inner Circle Fund II: Reaves Utilities and Energy Infrastructure Fund; Institutional Class Shares	RSRFX
Brookfield Investment Funds: Brookfield Real Assets Securities Fund; Class I Shares	RASIX
Fidelity Select Portfolios: Air Transportation Portfolio	FSAIX
Investment Managers Series Trust: Riverbridge Eco Leaders Fund; Institutional Class Shares	RIVEX
New Alternatives Fund; Class A Shares	NALFX
Shelton Funds: Shelton Green Alpha Fund	NEXTX
Starboard Investment Trust: Nebraska Fund; Institutional Class Shares	NEBIX
T Rowe Price Real Assets Fund, Inc	PRAFX
Timothy Plan: Timothy Plan Defensive Strategies Fund; Class A Shares	TPDAX
WST Investment Trust: WSTCM Sector Select Risk-Managed Fund; Institutional Class Shares	WSTIX

**Lipper Telecommunication Funds Index**

Deutsche Securities Trust: Deutsche Communications Fund; Class A Shares	TISHX
Fidelity Select Portfolios: Telecommunications Portfolio	FSTCX
Fidelity Select Portfolios: Wireless Portfolio	FWRLX
GAMCO Global Series Funds, Inc: Gabelli Global Content & Connectivity Fund; Class AAA Shares	GABTX
PFS Funds: Wireless Fund	WIREX
Putnam Funds Trust: Putnam Global Telecommunications Fund; Class A Shares	PGBZX
Rydex Series Funds: Telecommunications Fund; Investor Class Shares	RYMIX
T Rowe Price Media & Telecommunications Fund, Inc	PRMTX

**Lipper Utility Funds Index**

American Century Quantitative Equity Funds, Inc: Utilities Fund; Investor Class Shares	BULIX
Fidelity Advisor Series VII: Fidelity Advisor Utilities Fund; Class A Shares	FUGAX
Fidelity Select Portfolios: Fidelity Telecom & Utilities Fund	FIUIX
Fidelity Select Portfolios: Utilities Portfolio	FSUTX
Franklin Custodian Funds: Franklin Utilities Fund; Class A Shares	FKUTX
Gabelli Utilities Fund; Class A Shares	GAUAX
Hennessy Funds Trust: Hennessy Gas Utility Fund; Investor Class Shares	GASFX
MFS Series Trust VI: MFS Utilities Fund; Class A Shares	MMUFX
Prudential Sector Funds, Inc: Prudential Jennison Utility Fund; Class A Shares	PRUAX
Wells Fargo Funds Trust: Wells Fargo Utility & Telecommunications Fund; Class A Shares	EVUAX

**Index Name    Full Fund Name**

**Nasdaq Symbol**

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**Taxable Fixed Income**

**Lipper A Rated Bond Funds Index**

Calvert Social Investment Fund: Calvert Bond Fund; Class I Shares	CBDIX
GuideStone Funds: Extended-Duration Bond Fund; Investor Class Shares	GEDZX
Ivy Funds: Ivy Advantus Bond Fund; Class I Shares	IVBIX
Ivy Funds: Ivy Bond Fund; Class I Shares	IBJIX
Pioneer Bond Fund; Class Y Shares	PICYX
Schwartz Investment Trust: Ave Maria Bond Fund	AVEFX
USAA Mutual Funds Trust: Income Fund; Fund Class Shares	USAIX
Vanguard Bond Index Funds: Vanguard Long-Term Bond Index Fund; Institutional Plus Class Shares	VBLIX
Vanguard Fixed Income Securities Funds: Vanguard Long-Term Investment-Grade Fund; Admiral Shares	VWETX
Wilmington Funds: Wilmington Broad Market Bond Fund; Institutional Class	ARKIX

**Lipper Alternative Credit Focus Funds Index**

AB Unconstrained Bond Fund, Inc; Advisor Class Shares	AGSIX
Advisors' Inner Circle Fund II: Frost Credit Fund; Institutional Class Shares	FCFIX
Arrow Investments Trust: Arrow Dynamic Income Fund; Institutional Class Shares	ASFNX
BlackRock Funds II: BlackRock Strategic Income Opportunities Portfolio; Institutional Shares	BSIIX
BlackRock Funds: BlackRock Global Long/Short Credit Fund; Institutional Shares	BGCIX
Carillon Series Trust: Carillon Reams Unconstrained Bond Fund; Class I Shares	SUBFX
Dreyfus BNY Mellon Funds, Inc: Dreyfus Yield Enhancement Strategy Fund; Class Y Shares	DABJX
Driehaus Mutual Funds: Driehaus Active Income Fund	LCMAX
FPA New Income, Inc	FPNIX
GMO Trust: GMO Opportunistic Income Fund; Class VI Shares	GMODX
Goldman Sachs Trust: Goldman Sachs Long Short Credit Strategies Fund; Institutional Class Shares	GSAWX
Goldman Sachs Trust: Goldman Sachs Strategic Income Fund; Institutional Shares	GSZIX
Guggenheim Funds Trust: Guggenheim Macro Opportunities Fund; Institutional Class Shares	GIOIX
Janus Investment Fund: Janus Henderson Global Unconstrained Bond Fund; Class I Shares	JUCIX
JPMorgan Trust I: JPMorgan Strategic Income Opportunities Fund; Class I Shares	JSOSX
JPMorgan Trust I: JPMorgan Unconstrained Debt Fund; Class I Shares	JSISX
Legg Mason Global Asset Management Trust: BrandywineGLOBAL - Alternative Credit Fund; Class I Shares	LMANX
MainStay Funds: MainStay Unconstrained Bond Fund; Class I Shares	MSDIX
Metropolitan West Funds: Unconstrained Bond Fund; Class I Shares	MWCIX
MFS Series Trust X: MFS Absolute Return Fund; Class R6 Shares	MRNVX
Northern Lights Fund Trust IV: Anchor Tactical Credit Strategies Fund; Institutional Class Shares	ATCSX
Northern Lights Fund Trust: BTS Tactical Fixed Income Fund; Class A Shares	BTFAQ
Northern Lights Fund Trust: Navigator Tactical Fixed Income Fund; Class I Shares	NTBIX
PIMCO Funds: PIMCO Credit Absolute Return Fund; Institutional Class Shares	PCARX
Pioneer Series Trust X: Pioneer Dynamic Credit Fund; Class Y Shares	RCRYX
Prudential Investment Portfolios 9: Prudential Absolute Return Bond Fund; Class Z Shares	PADZX
Russell Investment Company: Unconstrained Total Return Fund; Class Y Shares	RUTYX
SunAmerica Income Funds: AIG Flexible Credit Fund; Class A Shares	SHNAX
Western Asset Funds, Inc: Western Asset Macro Opportunities Fund; Class I Shares	LAOIX
Western Asset Funds, Inc: Western Asset Total Return Unconstrained Fund; Class I Shares	WAARX

**Index Name    Full Fund Name**

**Nasdaq Symbol**

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**Lipper Alternative Currency Strategies Funds Index**

Eaton Vance Mutual Funds Trust: Eaton Vance Diversified Currency Income Fund; Class I Shares	EIIMX
Forum Funds: Merk Hard Currency Fund; Investor Shares	MERKX
Franklin Templeton Global Trust: Templeton Global Currency Fund; Class A Shares	ICPHX
Lord Abbett Global Fund, Inc: Lord Abbett Emerging Markets Currency Fund; Class I Shares	LDMYX
Northern Lights Fund Trust: FX Strategy Fund; Class I Shares	FXFIX
PIMCO Funds: PIMCO Emerging Markets Currency Fund; Institutional Class Shares	PLMIX
ProFunds: Rising US Dollar ProFund; Investor Class Shares	RDPIX
Trust for Professional Managers: Fiera Capital STRONG Nations Currency Fund; Institutional Class Shares	SCAFX

**Lipper BBB Rated Funds Index**

AIM Investment Securities Funds (Invesco Investment Securities Funds): Invesco Corporate Bond Fund; CI A Shs	ACCBX
AMG Funds III: AMG Managers Loomis Sayles Bond Fund; Class N Shares	MGFIX
BlackRock Allocation Target Shares: Series C Portfolio	BRACX
BNY Mellon Funds Trust: BNY Mellon Corporate Bond Fund; Class M Shares	BYMMX
Calvert Fund: Calvert Income Fund; Class A Shares	CFICX
Columbia Funds Series Trust I: Columbia Corporate Income Fund; Institutional Class Shares	SRINX
Delaware Group Income Funds: Delaware Corporate Bond Fund; Institutional Class Shares	DGCIX
Delaware Group Income Funds: Delaware Extended Duration Bond Fund; Institutional Class Shares	DEEIX
DFA Investment Dimensions Group Inc: DFA Intermediate-Term Extended Quality Portfolio; Institutional Class S	DFTEX
Federated Investment Series Funds, Inc: Federated Bond Fund; Class A Shares	FDBAX
Fidelity Salem Street Trust: Fidelity Corporate Bond Fund	FCBFX
First Investors Income Funds: Investment Grade Fund; Class A Shares	FIIGX
JPMorgan Trust I: JPMorgan Corporate Bond Fund; Class R6 Shares	CBFVX
Loomis Sayles Funds I: Loomis Sayles Investment Grade Fixed Income Fund; Institutional Class	LSIGX
Loomis Sayles Funds II: Natixis Loomis Sayles Investment Grade Bond Fund; Class Y Shares	LSIIX
Lord Abbett Investment Trust: Lord Abbett Income Fund; Class A Shares	LAGVX
MFS Series Trust IX: MFS Corporate Bond Fund; Class A Shares	MFBFX
Nationwide Mutual Funds: Nationwide Bond Fund; Class R6 Shares	NWIBX
Nationwide Mutual Funds: Nationwide Bond Index Fund; Class R6 Shares	GBXIX
Nationwide Mutual Funds: Nationwide Loomis Core Bond Fund; Class R6 Shares	NWJIX
PIMCO Funds: PIMCO Extended Duration Fund; Institutional Class Shares	PEDIX
PIMCO Funds: PIMCO Investment Grade Corporate Bond Fund; Institutional Class Shares	PIGIX
PIMCO Funds: PIMCO Long Duration Total Return Fund; Institutional Class Shares	PLRIX
Principal Funds, Inc: Income Fund; Institutional Class Shares	PIOIX
Russell Investment Company: Strategic Bond Fund; Class S Shares	RFCTX
SEI Institutional Investments Trust: Intermediate Duration Credit Fund; Class A Shares	SIDCX
SEI Institutional Investments Trust: Long Duration Credit Fund; Class A Shares	SLDAX
SEI Institutional Investments Trust: Long Duration Fund; Class A Shares	LDRAX
T Rowe Price Corporate Income Fund, Inc	PRPIX
Thrivent Mutual Funds: Thrivent Income Fund; Class S Shares	LBIIIX

**Lipper Core Bond Funds Index**

American Century Investment Trust: Diversified Bond Fund; Class I Shares	ACBPX
American Century Investment Trust: NT Diversified Bond Fund; Class G Shares	ACLDX
Baird Funds, Inc: Baird Aggregate Bond Fund; Institutional Class Shares	BAGIX
Baird Funds, Inc: Baird Intermediate Bond Fund; Institutional Class Shares	BIMIX
BlackRock Bond Fund, Inc: BlackRock Total Return Fund; Class K Shares	MPHQX
Bond Fund of America; A	ABNDX
Columbia Funds Series Trust I: Columbia Multi-Manager Total Return Bond Strategies Fund; Class A Shares	CMCPX
DFA Investment Dimensions Group Inc: DFA Investment Grade Portfolio	DFAPX
Dodge & Cox Funds: Dodge & Cox Income Fund	DODIX
Federated Total Return Series, Inc: Federated Total Return Bond Fund; Institutional Shares	FTRBX
Fidelity Income Fund: Fidelity Total Bond Fund; Fidelity Total Bond Shares	FTBFX
Fidelity Salem Street Trust: Fidelity Investment Grade Bond Fund	FBNDX
Fidelity Salem Street Trust: Fidelity Series Investment Grade Bond Fund	FSIGX
GE RSP Program Funds: GE RSP Income Fund	GESLX
JPMorgan Trust II: JPMorgan Core Bond Fund; Class R6 Shares	JCBUX
MFS Series Trust IX: MFS Total Return Bond Fund; Class A Shares	MRBFX
Northern Funds: Bond Index Fund	NOBOX
Principal Funds, Inc: Core Plus Bond Fund; Institutional Class Shares	PMSIX
Sanford C Bernstein Fund, Inc: Intermediate Duration Portfolio; Intermediate Duration Class Shares	SNIDX
SEI Institutional Investments Trust: Core Fixed Income Fund; Class A Shares	SCOAX
SEI Institutional Managed Trust: Core Fixed Income Fund; Class F Shares	TRLVX
T Rowe Price New Income Fund, Inc	PRCIX
TIAA-CREF Funds: Bond Fund; Institutional Class Shares	TIBDX
TIAA-CREF Funds: Bond Index Fund; Institutional Class Shares	TBIIX
Vanguard Bond Index Funds: Vanguard Intermediate-Term Bond Index Fund; Admiral Shares	VBILX
Vanguard Bond Index Funds: Vanguard Total Bond Market II Index Fund; Investor Shares	VTBIX
Vanguard Bond Index Funds: Vanguard Total Bond Market Index Fund; Admiral Shares	VBTLX
Vanguard Fixed Income Securities Funds: Vanguard Intermediate-Term Investment-Grade Fund; Admiral Shares	VFIDX
Wells Fargo Funds Trust: Wells Fargo Core Bond Fund; Institutional Class Shares	MBFIX
Western Asset Funds, Inc: Western Asset Core Bond Fund; Class I Shares	WATFX

**Index Name Full Fund Name**

**Nasdaq Symbol**

**Lipper Core Plus Bond Funds Index**

AB Bond Fund, Inc: AB Income Fund; Advisor Class Shares	ACGYX
Advisors' Inner Circle Fund II: Frost Total Return Bond Fund; Institutional Class Shares	FIJEX
AIM Counselor Series Trust (Invesco Counselor Series Trust): Invesco Core Plus Bond Fund; Class A Shares	ACPSX
Baird Funds, Inc: Baird Core Plus Bond Fund; Institutional Class Shares	BCOIX
Bridge Builder Trust: Bridge Builder Core Plus Bond Fund	BBCPX
Carillon Series Trust: Carillon Reams Core Plus Bond Fund; Class I Shares	SCPZX
DoubleLine Funds Trust: DoubleLine Core Fixed Income Fund; Class I Shares	DBLFX
Franklin Investors Securities Trust: Franklin Total Return Fund; Class A Shares	FKBAX
Harbor Funds: Harbor Bond Fund; Institutional Class Shares	HABDX
Janus Investment Fund: Janus Henderson Flexible Bond Fund; Class I Shares	JFLEX
John Hancock Funds II: Total Return Fund; Class NAV Shares	JHTRX
John Hancock Sovereign Bond Fund: John Hancock Bond Fund; Class I Shares	JHBIX
JPMorgan Trust II: JPMorgan Core Plus Bond Fund; Class R6 Shares	JCPUX
Manning & Napier Fund, Inc: Unconstrained Bond Series; Class S Shares	EXCPX
Metropolitan West Funds: Total Return Bond Fund; Class I Shares	MWTIX
Nationwide Mutual Funds: Nationwide Core Plus Bond Fund; Class R6 Shares	NWCIX
Natixis Funds Trust I: Loomis Sayles Core Plus Bond Fund; Class Y Shares	NERYX
Optimum Fund Trust: Optimum Fixed Income Fund; Institutional Class Shares	OIFIX
PACE Select Advisors Trust: PACE Strategic Fixed Income Investments; Class P Shares	PCSIX
PIMCO Funds: PIMCO Total Return ESG Fund; Institutional Class Shares	PTSAX
PIMCO Funds: PIMCO Total Return Fund II; Institutional Class Shares	PMBIX
PIMCO Funds: PIMCO Total Return Fund IV; Institutional Class Shares	PTUIX
PIMCO Funds: PIMCO Total Return Fund; Institutional Class Shares	PTTRX
Principal Funds, Inc: Bond Market Index Fund; Institutional Class Shares	PNIIX
Prudential Investment Portfolios, Inc 17: Prudential Total Return Bond Fund; Class Z Shares	PDBZX
T Rowe Price Institutional Income Funds, Inc: T Rowe Price Institutional Core Plus Fund	TICPX
TIAA-CREF Funds: Bond Plus Fund; Institutional Class Shares	TIBFX
USAA Mutual Funds Trust: Intermediate-Term Bond Fund; Institutional Class Shares	UIITX
Westcore Trust: Westcore Plus Bond Fund; Retail Class Shares	WTIBX
Western Asset Funds, Inc: Western Asset Core Plus Bond Fund; Class I Shares	WACPX



**Lipper Emerging Market Hard Currency Debt Funds Index**

Ashmore Funds: Ashmore Emerging Markets Corporate Debt Fund; Institutional Class Shares	EMCIX
Ashmore Funds: Ashmore Emerging Markets Short Duration Fund; Institutional Class Shares	ESFIX
Ashmore Funds: Ashmore Emerging Markets Total Return Fund; Institutional Class Shares	EMKIX
DoubleLine Funds Trust: DoubleLine Emerging Markets Fixed Income Fund; Class I Shares	DBLEX
DoubleLine Funds Trust: DoubleLine Low Duration Emerging Markets Fixed Income Fund; Class N Shares	DELNX
Fidelity Advisor Series VIII: Fidelity Advisor Emerging Markets Income Fund; Class I Shares	FMKIX
Fidelity Hastings Street Trust: Fidelity Series Emerging Markets Debt Fund	FEDCX
Fidelity Summer Street Trust: Fidelity New Markets Income Fund	FNMIK
Franklin Global Trust: Franklin Emerging Market Debt Opportunities Fund	FEMDX
GMO Trust: GMO Emerging Country Debt Fund; Class IV Shares	GMDFX
Goldman Sachs Trust: Goldman Sachs Emerging Markets Debt Fund; Institutional Shares	GSDIX
JPMorgan Trust I: JPMorgan Emerging Markets Corporate Debt Fund; Class R6 Shares	JCDRX
JPMorgan Trust I: JPMorgan Emerging Markets Debt Fund; Class R6 Shares	JEMVX
Lazard Funds, Inc: Lazard Emerging Markets Debt Portfolio; Institutional Shares	LEDIX
Lazard Funds, Inc: Lazard Explorer Total Return Portfolio; Institutional Shares	LETIX
MFS Series Trust X: MFS Emerging Markets Debt Fund; Class I Shares	MEDIX
Payden & Rygel Investment Group: Payden Emerging Markets Bond Fund; SI Class Shares	PYEIX
PIMCO Funds: PIMCO Emerging Markets Bond Fund; Institutional Class Shares	PEBIX
PIMCO Funds: PIMCO Emerging Markets Corporate Bond Fund; Institutional Class Shares	PEMIX
PIMCO Funds: PIMCO Emerging Markets Full Spectrum Bond Fund; Institutional Class Shares	PFSIX
SEI Institutional International Trust: Emerging Markets Debt Fund; Class F Shares	SITEX
SEI Institutional Investments Trust: Emerging Markets Debt Fund; Class A Shares	SEDAX
Stone Harbor Investment Funds: Stone Harbor Emerging Markets Debt Fund; Institutional Class Shares	SHMDX
T Rowe Price Institutional International Funds, Inc: T Rowe Price Institutional Emerging Markets Bond Fund	TREBX
T Rowe Price International Funds, Inc: T Rowe Price Emerging Markets Bond Fund	PREMX
TCW Funds, Inc: TCW Emerging Markets Income Fund; Class I Shares	TGEIX
TIAA-CREF Funds: Emerging Markets Debt Fund; Institutional Class Shares	TEDNX
Transamerica Funds: Transamerica Emerging Markets Debt; Class I Shares	EMTIX
Vanguard Whitehall Funds: Vanguard Emerging Markets Government Bond Index Fund; Admiral Class Shares	VGAVX
Voya Separate Portfolios Trust: Voya Emerging Markets Hard Currency Debt Fund; Class P Shares	IHCSX

**Lipper Emerging Market Local Currency Debt Funds Index**

Ashmore Funds: Ashmore Emerging Markets Local Currency Bond Fund; Institutional Class Shares	ELBIX
Eaton Vance Mutual Funds Trust: Eaton Vance Emerging Markets Local Income Fund; Class I Shares	EEIIX
Goldman Sachs Trust: Goldman Sachs Local Emerging Markets Debt Fund; Institutional Shares	GIMDX
MFS Series Trust X: MFS Emerging Markets Debt Local Currency Fund; Class R6 Shares	EMLNX
Payden & Rygel Investment Group: Payden Emerging Markets Local Bond Fund; Investor Class Shares	PYELX
PIMCO Funds: PIMCO Emerging Local Bond Fund; Institutional Class Shares	PELBX
Stone Harbor Investment Funds: Stone Harbor Local Markets Fund; Institutional Class Shares	SHLMX
T Rowe Price International Funds, Inc: T Rowe Price Emerging Markets Local Currency Bond Fund	PRELX
TCW Funds, Inc: TCW Emerging Markets Local Currency Income Fund; Class I Shares	TGWIX
Voya Separate Portfolios Trust: Voya Emerging Markets Local Currency Debt Fund; Class P Shares	ILCDX

**Lipper Flexible Income Funds Index**

Cohen & Steers Low Duration Preferred and Income Fund, Inc; Class I Shares	LPIX
Cohen & Steers Preferred Securities and Income Fund, Inc; Class I Shares	CPXIX
Fairholme Funds, Inc: Fairholme Focused Income Fund	FOCIX
First Trust Series Fund: First Trust Preferred Securities and Income Fund; Class I Shares	FPEIX
Loomis Sayles Funds II: Natixis Loomis Sayles Strategic Income Fund; Class Y Shares	NEZYX
Nuveen Investment Trust V: Nuveen NWQ Flexible Income Fund; Class I Shares	NWQIX
Nuveen Investment Trust V: Nuveen Preferred Securities and Income Fund; Class I Shares	NPSRX
Principal Funds, Inc: Capital Securities Fund; Class S Shares	PCSFY
Principal Funds, Inc: Preferred Securities Fund; Institutional Class Shares	PPSIX
Touchstone Strategic Trust: Touchstone Flexible Income Fund; Class Y Shares	MXIIX

**Lipper General Bond Funds Index**

Brandes Investment Trust: Brandes Separately Managed Account Reserve Trust	SMARX
Fidelity Rutland Square Trust II: Strategic Advisers Core Income Fund	FPCIX
GMO Trust: GMO Asset Allocation Bond Fund; Class VI Shares	GABFX
KP Funds: KP Fixed Income Fund; Institutional Class Shares	KPFIX
Loomis Sayles Funds I: Loomis Sayles Bond Fund; Institutional Class	LSBDX
Manning & Napier Fund, Inc: Global Fixed Income Series; Class S Shares	MNGSX
Meeder Funds: Meeder Total Return Bond Fund;Retail Class Shares	FLBDX
PIMCO Funds: PIMCO Long-Term Credit Fund; Institutional Class Shares	PTCIX
SEI Institutional Managed Trust: US Fixed Income Fund; Class F Shares	SUFAX
Trust for Professional Managers: Performance Trust Strategic Bond Fund	PTIAX

**Index Name    Full Fund Name**

**Nasdaq Symbol**

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**Lipper General U.S. Government Funds Index**

American Funds Income Series: US Government Securities Fund; Class R6 Shares	RGVGX
Fidelity Income Fund: Fidelity Government Income Fund	FGOVX
JPMorgan Trust II: JPMorgan Government Bond Fund; Class A Shares	OGGAX
MFS Series Trust XIII: MFS Government Securities Fund; Class R6 Shares	MFGKX
Morgan Stanley US Government Securities Trust; Class B Shares	USGBX
Northern Lights Fund Trust: TransWestern Institutional Short Duration Government Bond Fund	TWSGX
Prudential Investment Portfolios, Inc 14: Prudential Government Income Fund; Class A Shares	PGVAX
Putnam American Government Income Fund; Class A Shares	PAGVX
Sit US Government Securities Fund, Inc	SNGVX
Wells Fargo Funds Trust: Wells Fargo Government Securities Fund; Class A Shares	SGVDX

**Lipper General U.S. Treasury Funds Index**

Columbia Funds Series Trust I: Columbia US Treasury Index Fund; Institutional Class Shares	IUTIX
Fidelity Salem Street Trust: Fidelity Intermediate Treasury Bond Index Fund; Premium Class Shares	FIBAX
Fidelity Salem Street Trust: Fidelity Long-Term Treasury Bond Index Fund; Premium Class Share	FLBAX
Fidelity Salem Street Trust: Fidelity SAI Long-Term Treasury Bond Index Fund	FBLTX
T Rowe Price US Treasury Funds, Inc: US Treasury Intermediate Fund	PRTIX
T Rowe Price US Treasury Funds, Inc: US Treasury Long-Term Fund	PRULX
Vanguard Fixed Income Securities Funds: Vanguard Intermediate-Term Treasury Fund; Admiral Shares	VFIUX
Vanguard Fixed Income Securities Funds: Vanguard Long-Term Treasury Fund; Investor Shares	VUSTX
Vanguard World Funds: Vanguard Extended Duration Treasury Index Fund; Institutional Shares	VEDTX
Wasatch Funds Trust: Wasatch-Hoisington US Treasury Fund; Investor Class Shares	WHOSX

**Index Name Full Fund Name**

**Nasdaq Symbol**

**Lipper Global Income Funds Index**

AB Global Bond Fund, Inc; Advisor Class Shares	ANAYX
American Century International Bond Funds: Global Bond Fund; Class R5 Shares	AGBNX
Capital World Bond Fund; Class A Shares	CWBFX
DFA Investment Dimensions Group Inc: DFA Five-Year Global Fixed Income Portfolio; Institutional Class Shares	DFGBX
DFA Investment Dimensions Group Inc: DFA Selectively Hedged Global Fixed Income Portfolio	DFSHX
DFA Investment Dimensions Group Inc: DFA Two-Year Global Fixed Income Portfolio; Institutional Class Shares	DFGFX
Dodge & Cox Funds: Dodge & Cox Global Bond Fund	DODLX
DoubleLine Funds Trust: DoubleLine Global Bond Fund; Class I Shares	DBLGX
Dreyfus Investment Funds: Dreyfus/Standish Global Fixed Income Fund; Class I Shares	SDGIX
Goldman Sachs Trust: Goldman Sachs Global Income Fund; Institutional Shares	GSGLX
GuideStone Funds: Global Bond Fund; Institutional Class Shares	GGBEX
Hartford Mutual Funds, Inc: Hartford World Bond Fund; Class I Shares	HWDIX
Janus Investment Fund: Janus Henderson Global Bond Fund; Class N Shares	JGLNX
JPMorgan Trust I: JPMorgan Global Bond Opportunities Fund; Class I Shares	GBOSX
Legg Mason Global Asset Management Trust: BrandywineGLOBAL - Global Opportunities Bond Fund; Class I Shares	GOBIX
Legg Mason Partners Income Trust: Western Asset Global Strategic Income Fund; Class A Shares	SDSAX
Loomis Sayles Funds I: Loomis Sayles Global Bond Fund; Institutional Class	LSGBX
MFS Series Trust X: MFS Global Bond Fund; Class R6 Shares	MGBOX
Morgan Stanley Global Fixed Income Opportunities Fund; Class IS Shares	MGFOX
PACE Select Advisors Trust: PACE Global Fixed Income Investments; Class P Shares	PCGLX
Payden & Rygel Investment Group: Payden Global Fixed Income Fund; Investor Class Shares	PYGFX
Payden & Rygel Investment Group: Payden Global Low Duration Fund; Investor Class Shares	PYGSX
PIMCO Funds: PIMCO Global Advantage Strategy Bond Fund; Institutional Class Shares	PSAIX
PIMCO Funds: PIMCO Global Bond Fund (Unhedged); Institutional Class Shares	PIGLX
PIMCO Funds: PIMCO Global Bond Fund (US Dollar-Hedged); Institutional Class Shares	PGBIX
Prudential Global Total Return Fund, Inc; Class Z Shares	PZTRX
Putnam Global Income Trust; Class A Shares	PGGIX
SA Funds - Investment Trust: SA Global Fixed Income Fund	SAXIX
T Rowe Price Global Multi-Sector Bond Fund, Inc: T Rowe Price Global Multi-Sector Bond Fund	PRSNX
Voya Mutual Funds: Voya Global Bond Fund; Class R6 Shares	IGBZX

**Index Name    Full Fund Name**

**Nasdaq Symbol**

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**Lipper GNMA Funds Index**

American Century Government Income Trust: Ginnie Mae Fund; Investor Class Shares	BGNMX
BlackRock Funds II: BlackRock GNMA Portfolio; Institutional Shares	BGNIX
Deutsche Income Trust: Deutsche GNMA Fund; Class S Shares	SGINX
Fidelity Income Fund: Fidelity GNMA Fund	FGMNX
Franklin Custodian Funds: Franklin US Government Securities Fund; Class A Shares	FKUSX
Putnam US Government Income Trust; Class A Shares	PGSIX
T Rowe Price GNMA Fund	PRGMX
Vanguard Fixed Income Securities Funds: Vanguard GNMA Fund; Investor Shares	VFIIX
Victory Portfolios: Victory INCORE Fund for Income; Class I Shares	VFFIX
Voya Funds Trust: Voya GNMA Income Fund; Class A Shares	LEXNX

**Lipper High Current Yield Bond Funds Index**

AB High Income Fund, Inc; Advisor Class Shares	AGDYX
American High-Income Trust; Class A Shares	AHITX
BlackRock Funds II: BlackRock High Yield Bond Portfolio; Institutional Shares	BHYIX
City National Rochdale Funds: City National Rochdale Fixed Income Opportunities Fund; Class N Shares	RIMOX
Columbia Funds Series Trust II: Columbia Income Opportunities Fund; Class A Shares	AIOAX
Eaton Vance Series Trust II: Eaton Vance Income Fund of Boston; Institutional Shares	EIBIX
Federated Institutional Trust: Federated Institutional High Yield Bond Fund; Institutional Shares	FIH BX
Fidelity Rutland Square Trust II: Strategic Advisers Income Opportunities Fund	FPIOX
Fidelity Summer Street Trust: Fidelity Capital & Income Fund	FAGIX
Fidelity Summer Street Trust: Fidelity High Income Fund	SPHIX
Fidelity Summer Street Trust: Fidelity Series High Income Fund	FSHNX
Franklin High Income Trust: Franklin High Income Fund; Class A Shares	FHAIX
Goldman Sachs Trust: Goldman Sachs High Yield Fund; Institutional Shares	GSHIX
Harbor Funds: Harbor High Yield Bond Fund; Institutional Class Shares	HYFAX
Hotchkis & Wiley Funds: Hotchkis & Wiley High Yield Fund; Class I Shares	HWHIX
JPMorgan Trust II: JPMorgan High Yield Fund; Class I Shares	OHYFX
Lord Abbett Investment Trust: Lord Abbett High Yield Fund; Class I Shares	LAHYX
MainStay Funds: MainStay High Yield Corporate Bond Fund; Class I Shares	MHYIX
Neuberger Berman Income Funds: Neuberger Berman High Income Bond Fund; Institutional Class Shares	NHILX
Northern Funds: High Yield Fixed Income Fund	NHFIX
PIMCO Funds: PIMCO High Yield Fund; Institutional Class Shares	PHIYX
PIMCO Funds: PIMCO High Yield Spectrum Fund; Institutional Class Shares	PHSIX
Principal Funds, Inc: High Yield Fund; Institutional Class Shares	PHYTX
Prudential Investment Portfolios, Inc 15: Prudential High Yield Fund; Class Z Shares	PHYZX
SEI Institutional Investments Trust: High Yield Bond Fund; Class A Shares	SGYAX
SEI Institutional Managed Trust: High Yield Bond Fund; Class F Shares	SHYAX
T Rowe Price High Yield Fund, Inc	PRHYX
T Rowe Price Institutional Income Funds, Inc: T Rowe Price Institutional High Yield Fund	TRHYX
TIAA-CREF Funds: High-Yield Fund; Institutional Class Shares	TIHYX
Vanguard Fixed Income Securities Funds: Vanguard High-Yield Corporate Fund; Admiral Shares	VWEAX

**Lipper Inflation Protected Bond Funds Index**

AB Bond Fund, Inc: AB Bond Inflation Strategy; Class 1 Shares	ABNOX
AIM Investment Securities Funds (Invesco Investment Securities Funds): Invesco Sh Dur Infl Prot Fd; CI R6 Shs	SDPSX
American Century Government Income Trust: Inflation-Adjusted Bond Fund; Investor Class Shares	ACITX
American Century Investment Trust: Short Duration Inflation Protection Bond Fund; Class R5 Shares	APISX
American Funds Inflation Linked Bond Fund; Class R6 Shares	RILFX
American Independence Funds Trust: American Independence US Inflation-Protected Fund; Institutional Class Shs	FFIHX
BlackRock Funds II: BlackRock Inflation Protected Bond Portfolio; Institutional Shares	BPRIX
DFA Investment Dimensions Group Inc: DFA Inflation-Protected Securities Portfolio; Institutional Class Shares	DIPSX
DFA Investment Dimensions Group Inc: DFA Municipal Real Return Portfolio; Institutional Class Shares	DMREX
DFA Investment Dimensions Group Inc: DFA Short-Duration Real Return Portfolio; Institutional Class Shares	DFAIX
Fidelity Salem Street Trust: Fidelity Inflation-Protected Bond Fund	FINPX
Fidelity Salem Street Trust: Fidelity Inflation-Protected Bond Index Fd; Institutional Premium Class Shares	FIPDX
Fidelity Salem Street Trust: Fidelity Series Inflation-Protected Bond Index Fund	FSIPX
GuideStone Funds: Inflation Protected Bond Fund; Institutional Class Shares	GIPYX
Hartford Mutual Funds, Inc: Hartford Inflation Plus Fund; Class A Shares	HIPAX
JPMorgan Trust I: JPMorgan Inflation Managed Bond Fund; Class R6 Shares	JIMMX
Lord Abbett Investment Trust: Lord Abbett Inflation Focused Fund; Class I Shares	LIFIX
MFS Series Trust IX: MFS Inflation-Adjusted Bond Fund; Class R6 Shares	MIAKX
Nuveen Investment Funds, Inc: Nuveen Inflation Protected Securities Fund; Class I Shares	FYIPX
PIMCO Funds: PIMCO Real Return Asset Fund; Institutional Class Shares	PRAIX
PIMCO Funds: PIMCO Real Return Fund; Institutional Class Shares	PRRIX
Principal Funds, Inc: Inflation Protection Fund; Institutional Class Shares	PIPIX
Schwab Investments: Schwab Treasury Inflation Protected Securities Index Fund	SWRSX
SEI Institutional Managed Trust: Real Return Fund; Class F Shares	SRAAX
T Rowe Price Inflation Protected Bond Fund, Inc	PRIPX
T Rowe Price Limited Duration Inflation Focused Bond Fund; Class I Shares	TRLDX
TIAA-CREF Funds: Inflation-Linked Bond Fund; Institutional Class Shares	TIILX
Vanguard Bond Index Funds: Vanguard Inflation-Protected Securities Fund; Admiral Shares	VAIPX
Vanguard Malvern Funds: Vanguard Short-Term Inflation-Protected Securities Index Fund; Institutional Class Shs	VTSPX
Western Asset Funds, Inc: Western Asset Inflation Indexed Plus Bond Fund; Class IS Shares	WAFSX

**Index Name    Full Fund Name**

**Nasdaq Symbol**

**Lipper Intermediate U.S. Government Funds Index**

AIM Investment Securities Funds (Invesco Investment Securities Funds): Invesco US Government Fund; Class A Shs	AGOVX
American Century Government Income Trust: Government Bond Fund; Investor Class Shares	CPTNX
American Funds Mortgage Fund; Class R6 Shares	RMAGX
BlackRock Funds II: BlackRock US Government Bond Portfolio; Investor A Shares	CIGAX
DFA Investment Dimensions Group Inc: DFA Intermediate Government Fixed Income Portfolio; Institutional Cl Shs	DFIGX
Federated Total Return Government Bond Fund; Institutional Shares	FTRGX
Goldman Sachs Trust: Goldman Sachs Government Income Fund; Class A Shares	GSGOX
Nuveen Investment Funds, Inc: Nuveen Intermediate Government Bond Fund; Class I Shares	FYGYX
USAA Mutual Funds Trust: Government Securities Fund; Fund Class Shares	USGNX
Vanguard Scottsdale Funds: Vanguard Intermediate-Term Treasury Index Fund; Admiral Class Shares	VSIGX

**Lipper International Income Funds Index**

DFA Investment Dimensions Group Inc: DFA World ex US Govt Fixed Income Portfolio; Institutional Class Shares	DWFIX
Dreyfus/Laurel Funds Trust: Dreyfus International Bond Fund; Class I Shares	DIBRX
Oppenheimer International Bond Fund; Class Y Shares	OIBYX
PIMCO Funds: PIMCO Foreign Bond Fund (Unhedged); Institutional Class Shares	PFUIX
PIMCO Funds: PIMCO Foreign Bond Fund (US Dollar-Hedged); Institutional Class Shares	PFORX
T Rowe Price International Funds, Inc: T Rowe Price International Bond Fund	RPIBX
Templeton Income Trust: Templeton Global Bond Fund; Advisor Class Shares	TGBAX
Templeton Income Trust: Templeton Global Total Return Fund; Advisor Class Shares	TTRZX
Vanguard Charlotte Funds: Vanguard Total International Bond Index Fund; Admiral Class Shares	VTABX
Wells Fargo Funds Trust: Wells Fargo International Bond Fund; Institutional Class Shares	ESICX



**Lipper Loan Participation Funds Index**

AIM Counselor Series Trust (Invesco Counselor Series Trust): Invesco Floating Rate Fund; Class A Shares	AFRAX
BlackRock Funds II: BlackRock Floating Rate Income Portfolio; Institutional Shares	BFRIX
Columbia Funds Series Trust II: Columbia Floating Rate Fund; Class A Shares	RFRAX
Credit Suisse Opportunity Funds: Credit Suisse Floating Rate High Income Fund; Institutional Class Shares	CSHIX
Dreyfus/Laurel Funds, Inc: Dreyfus Floating Rate Income Fund; Class Y Shares	DFLYX
Eaton Vance Mutual Funds Trust: Eaton Vance Floating-Rate & High Income Fund; Class A Shares	EVFHX
Eaton Vance Mutual Funds Trust: Eaton Vance Floating-Rate Advantage Fund; Class I Shares	EIFAX
Eaton Vance Mutual Funds Trust: Eaton Vance Floating-Rate Fund; Institutional Class Shares	EIBLX
Federated Income Securities Trust: Federated Floating Rate Strategic Income Fund; Institutional Shares	FFRSX
Fidelity Advisor Series I: Fidelity Advisor Floating Rate High Income Fund; Fidelity Floating Rt Hi Inc Fd Shs	FFRHX
Franklin Investors Securities Trust: Franklin Floating Rate Daily Access Fund; Class A Shares	FAFRX
Goldman Sachs Trust: Goldman Sachs High Yield Floating Rate Fund; Institutional Shares	GSFRX
Guggenheim Funds Trust: Guggenheim Floating Rate Strategies Fund; Institutional Class Shares	GIFIX
Hartford Mutual Funds, Inc: Hartford Floating Rate Fund; Class I Shares	HFLIX
JPMorgan Trust I: JPMorgan Floating Rate Income Fund; Class I Shares	JPHSX
Lord Abbett Investment Trust: Lord Abbett Floating Rate Fund; Class A Shares	LFRAx
MainStay Funds Trust: MainStay Floating Rate Fund; Class I Shares	MXFIX
Natixis Funds Trust II: Loomis Sayles Senior Floating Rate and Fixed Income Fund; Class Y Shares	LSFYX
Neuberger Berman Income Funds: Neuberger Berman Floating Rate Income Fund; Institutional Class Shares	NFIIX
Nuveen Investment Trust III: Nuveen Symphony Floating Rate Income Fund; Class I Shares	NFRIX
Oppenheimer Senior Floating Rate Fund; Class Y Shares	OOSYX
Pacific Funds Series Trust: Pacific Funds Floating Rate Income; Advisor Class Shares	PLFDX
PIMCO Funds: PIMCO Senior Floating Rate Fund; Institutional Class Shares	PSRIX
Pioneer Series Trust VI: Pioneer Floating Rate Fund; Class Y Shares	FLYRX
Putnam Funds Trust: Putnam Floating Rate Income Fund; Class Y Shares	PFRYX
T Rowe Price Floating Rate Fund, Inc	PRFRX
T Rowe Price Institutional Income Funds, Inc: T Rowe Price Institutional Floating Rate Fund	RPIFX
Victory Portfolios: Victory Floating Rate Fund; Class Y Shares	RSFYX
Virtus Asset Trust: Virtus Seix Floating Rate High Income Fund; Class I Shares	SAMBX
Voya Funds Trust: Voya Floating Rate Fund; Class I Shares	IFRIX

**Index Name Full Fund Name****Nasdaq Symbol****Lipper Multi-Sector Income Funds Index**

Advisors Series Trust: Semper MBS Total Return Fund; Institutional Class Shares	SEMMX
Angel Oak Funds Trust: Angel Oak Multi-Strategy Income Fund; Institutional Class Shares	ANGIX
BlackRock Allocation Target Shares: Series M Portfolio	BRAMX
Bridge Builder Trust: Bridge Builder Core Bond Fund	BBTBX
Columbia Funds Series Trust I: Columbia Strategic Income Fund; Class A Shares	COSIX
Delaware Group Adviser Funds: Delaware Diversified Income Fund; Institutional Class Shares	DPFFX
Eaton Vance Mutual Funds Trust: Eaton Vance Short Duration Strategic Income Fund; Class A Shares	ETSIX
Fidelity Advisor Series II: Fidelity Advisor Strategic Income Fund; Class A Shares	FSTAX
Fidelity School Street Trust: Fidelity Strategic Income Fund	FSICX
Franklin Strategic Series: Franklin Strategic Income Fund; Class A Shares	FRSTX
Guggenheim Funds Trust: Guggenheim Total Return Bond Fund; Institutional Class Shares	GIBIX
John Hancock Funds II: Strategic Income Opportunities Fund; Class I Shares	JIPIX
John Hancock Strategic Series: John Hancock Income Fund; Class I Shares	JSTIX
Loomis Sayles Funds I: Loomis Sayles Fixed Income Fund; Institutional Class	LSFIX
Lord Abbett Bond-Debenture Fund, Inc; Class A Shares	LBNDX
Neuberger Berman Income Funds: Neuberger Berman Strategic Income Fund; Institutional Class Shares	NSTLX
Nuveen Investment Funds, Inc: Nuveen Strategic Income Fund; Class I Shares	FCBYX
Oppenheimer Strategic Funds Trust: Oppenheimer Global Strategic Income Fund; Class A Shares	OPSIX
PIMCO Funds: PIMCO Diversified Income Fund; Institutional Class Shares	PDIIX
PIMCO Funds: PIMCO Income Fund; Institutional Class Shares	PIMIX
PIMCO Managed Accounts Trust: Fixed Income SHares Series C	FXICX
PIMCO Managed Accounts Trust: Fixed Income SHares Series M	FXIMX
Pioneer Strategic Income Fund; Class Y Shares	STRYX
Professionally Managed Portfolios: Osterweis Strategic Income Fund	OSTIX
Putnam Diversified Income Trust; Class A Shares	PDINX
RBB Fund, Inc: Free Market Fixed Income Fund; Institutional Class Shares	FMFIX
Russell Investment Company: Global Opportunistic Credit Fund; Class S Shares	RGCSX
SEI Institutional Investments Trust: Opportunistic Income Fund; Class A Shares	ENIAX
T Rowe Price Spectrum Fund, Inc: Spectrum Income Fund	RPSIX
Thornburg Investment Trust: Thornburg Strategic Income Fund; Institutional Class Shares	TSIIX

**Lipper Short Investment Grade Bond Funds Index**

Baird Funds, Inc: Baird Short-Term Bond Fund; Institutional Class Shares	BSBIX
BBH Trust: BBH Limited Duration Fund; Class I Shares	BBBIX
BlackRock Funds II: BlackRock Low Duration Bond Portfolio; Institutional Shares	BFMSX
Calvert Fund: Calvert Short Duration Income Fund; Class A Shares	CSDAX
Columbia Funds Series Trust: Columbia Short Term Bond Fund; Institutional Class Shares	NSTMX
Deutsche Income Trust: Deutsche Short Duration Fund; Class S Shares	DBPIX
DFA Investment Dimensions Group Inc: DFA Short-Term Extended Quality Portfolio; Institutional Class Shares	DFEQX
DoubleLine Funds Trust: DoubleLine Low Duration Bond Fund; Class I Shares	DBLSX
Fidelity Rutland Square Trust II: Strategic Advisers Short Duration Fund	FAUDX
Fidelity Salem Street Trust: Fidelity Short-Term Bond Fund	FSHBX
Franklin Investors Securities Trust: Franklin Low Duration Total Return Fund; Class A Shares	FLDAX
Guggenheim Funds Trust: Guggenheim Limited Duration Fund; Institutional Class Shares	GILHX
GuideStone Funds: Low-Duration Bond Fund; Institutional Class Shares	GLDYX
Hartford Mutual Funds, Inc: Hartford Short Duration Fund; Class A Shares	HSDAX
Homestead Funds, Inc: Short-Term Bond Fund	HOSBX
Janus Investment Fund: Janus Henderson Short-Term Bond Fund; Class T Shares	JASBX
Lord Abbett Investment Trust: Lord Abbett Short Duration Income Fund; Class A Shares	LALDX
Metropolitan West Funds: Low Duration Bond Fund; Class I Shares	MWLIX
Oppenheimer Limited-Term Bond Fund; Class A Shares	OUSGX
Payden & Rygel Investment Group: Payden Low Duration Fund; Investor Class Shares	PYSBX
PIMCO Funds: PIMCO Low Duration Fund; Institutional Class Shares	PTLDX
Principal Funds, Inc: Short-Term Income Fund; Institutional Class Shares	PSHIX
Russell Investment Company: Short Duration Bond Fund; Class S Shares	RFBSX
SA Funds - Investment Trust: SA US Fixed Income Fund	SAUFX
SEI Institutional Investments Trust: Limited Duration Bond Fund; Class A Shares	SLDBX
T Rowe Price Short-Term Bond Fund, Inc	PRWBX
TIAA-CREF Funds: Short-Term Bond Fund; Institutional Class Shares	TISIX
USAA Mutual Funds Trust: Short-Term Bond Fund; Institutional Class Shares	UISBX
Vanguard Fixed Income Securities Funds: Vanguard Short-Term Investment-Grade Fund; Admiral Shares	VFSUX
Vanguard Malvern Funds: Vanguard Institutional Short-Term Bond Fund; Institutional Plus Shares	VISTX

**Index Name    Full Fund Name**

**Nasdaq Symbol**

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**Lipper Short U.S. Government Funds Index**

AMG Funds II: AMG Managers Amundi Short Duration Government Fund; Class N Shares	MGSDX
BNY Mellon Funds Trust: BNY Mellon Short-Term US Government Securities Fund; Class M Shares	MPSUX
Goldman Sachs Trust: Goldman Sachs Short Duration Government Fund; Institutional Shares	GSTGX
JPMorgan Trust II: JPMorgan Short Duration Bond Fund; Class I Shares	HLLVX
Oppenheimer Limited-Term Government Fund; Class A Shares	OPGVX
SEI Daily Income Trust: Short-Duration Government Fund; Class F Shares	TCSGX
Short-Term Bond Fund of America; Class A Shares	ASBAX
Trust for Credit Unions: Short Duration Portfolio; TCU Class Shares	TCUDX
Vanguard Fixed Income Securities Funds: Vanguard Short-Term Federal Fund; Investor Shares	VSGBX
Wells Fargo Funds Trust: Wells Fargo Short Duration Government Bond Fund; Institutional Class Shares	WSGIX

**Lipper Short U.S. Treasury Funds Index**

Fidelity Salem Street Trust: Fidelity SAI US Treasury Bond Index Fund	FUTBX
Fidelity Salem Street Trust: Fidelity Short-Term Treasury Bond Index Fund; Premium Class Shares	FSBAX
GMO Trust: GMO US Treasury Fund	GUSTX
Manor Investment Funds, Inc: Bond Fund	MNRBX
Permanent Portfolio Family of Funds, Inc: Short-Term Treasury Portfolio Class I Shares	PRTBX
State Farm Associates' Funds Trust: State Farm Interim Fund	SFITX
US Global Investors Funds: US Government Ultra-Short Bond Fund	UGSDX
Vanguard Fixed Income Securities Funds: Vanguard Short-Term Treasury Fund; Admiral Shares	VFIRX
Victory Portfolios II: Victory CEMP Market Neutral Income Fund; Class I Shares	CBHIX

**Index Name Full Fund Name**

**Nasdaq Symbol**

**Lipper Short-Intermediate Investment Grade Debt Funds Index**

Advisors' Inner Circle Fund II: Frost Low Duration Bond Fund; Institutional Class Shares	FILDX
American Funds College Target Date Series: American Funds College Enrollment Fund; Class 529-A Shares	CENAX
American Funds Portfolio Series: American Funds Preservation Portfolio; Class A Shares	PPVAX
BlackRock Allocation Target Shares: Series S Portfolio	BRASX
BNY Mellon Funds Trust: BNY Mellon Intermediate Bond Fund; Class M Shares	MPIBX
Brown Advisory Funds: Brown Advisory Intermediate Income Fund; Investor Class Shares	BIAIX
City National Rochdale Funds: City National Rochdale Corporate Bond Fund; Servicing Class Shares	CNCIX
Columbia Funds Series Trust II: Columbia Limited Duration Credit Fund; Class A Shares	ALDAX
Delaware Group Limited-Term Government Funds: Delaware Limited-Term Diversified Income Fund; Inst Class Shares	STINX
DFA Investment Dimensions Group Inc: DFA Targeted Credit Portfolio; Institutional Class Shares	DTCPX
Fidelity Advisor Series II: Fidelity Advisor Limited Term Bond Fund	FJRLX
Fidelity Salem Street Trust: Fidelity Intermediate Bond Fund	FTHRX
Goldman Sachs Trust: Goldman Sachs Short Duration Income Fund; Institutional Class Shares	GDFIX
Intermediate Bond Fund of America; Class A Shares	AIBAX
Ivy Funds: Ivy Limited-Term Bond Fund; Class A Shares	WLTAX
JPMorgan Trust II: JPMorgan Limited Duration Bond Fund; Class R6 Shares	JUSUX
LKCM Funds: LKCM Fixed Income Fund; Institutional Class Shares	LKFIX
MassMutual Premier Funds: MassMutual Premier Short-Duration Bond Fund; Class R5 Shares	MSTDX
Metropolitan West Funds: Metropolitan West Intermediate Bond Fund; Class I Shares	MWIIX
Old Westbury Funds, Inc: Old Westbury Fixed Income Fund	OWFIX
PIMCO Funds: PIMCO Moderate Duration Fund; Institutional Class Shares	PMDRX
PNC Funds: PNC Intermediate Bond Fund; Class I Shares	PIKIX
Prudential Short-Term Corporate Bond Fund, Inc; Class Z Shares	PIFZX
Thompson IM Funds, Inc: Thompson Bond Fund	THOPX
Thornburg Investment Trust: Thornburg Limited Term Income Fund; Institutional Class Shares	THIIX
Transamerica Funds: Transamerica Short-Term Bond; Class I Shares	TSTIX
Vanguard Malvern Funds: Vanguard Institutional Intermediate-Term Bond Fund; Institutional Plus Shares	VIITX
Virtus Opportunities Trust: Virtus Newfleet Multi-Sector Short Term Bond Fund; Class I Shares	PIMSX
Weitz Funds: Short Duration Income Fund; Institutional Class Shares	WEFIX
Wilmington Funds: Wilmington Intermediate-Term Bond Fund; Institutional Class	ARIFX

**Index Name    Full Fund Name**

**Nasdaq Symbol**

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**Lipper Short-Intermediate US Government Funds Index**

City National Rochdale Funds: City National Rochdale Government Bond Fund; Servicing Class Shares	CNBIX
DFA Investment Dimensions Group Inc: DFA Short-Term Government Portfolio; Institutional Class Shares	DFFGX
Eaton Vance Mutual Funds Trust: Eaton Vance Government Obligations Fund; Class A Shares	EVGOX
Federated US Government Securities Fund: 2-5 Years; Institutional Shares	FIGTX
Fidelity Advisor Series IV: Fidelity Limited Term Government Fund	FFXSX
Fidelity Income Fund: Intermediate Government Income Fund	FSTGX
Loomis Sayles Funds II: Natixis Loomis Sayles Limited Term Government and Agency Fund; Class A Shares	NEFLX
Northern Funds: Short-Intermediate US Government Fund	NSIUX
Payden & Rygel Investment Group: Payden US Government Fund; Investor Class Shares	PYUSX
Thornburg Investment Trust: Thornburg Limited Term US Government Fund; Class A Shares	LTUSX

**Lipper Specialty Fixed Income Funds Index**

Access One Trust: Access Flex Bear High Yield Fund; Investor Class Shares	AFBIX
BlackRock Allocation Target Shares: Series P Portfolio	BATPX
Direxion Funds: Direxion Monthly 7-10 Year Treasury Bear 2x Fund; Investor Class Shares	DXKSX
Direxion Funds: Direxion Monthly 7-10 Year Treasury Bull 2x Fund; Investor Class Shares	DXKLX
Investment Managers Series Trust: Robinson Tax Advantaged Income Fund; Institutional Class Shares	ROBNX
Kinetics Mutual Funds, Inc: Alternative Income Fund; Institutional Class Shares	KWIIX
ProFunds: US Government Plus ProFund; Investor Class Shares	GVPIX
Rydex Series Funds: Government Long Bond 1.2x Strategy Fund; Investor Class Shares	RYGBX
Rydex Series Funds: Inverse Government Long Bond Strategy Fund; Investor Class Shares	RYJUX
Rydex Series Funds: Strengthening Dollar 2x Strategy Fund; H-Class Shares	RYSBX

**Lipper U.S. Mortgage Funds Index**

Advisors Series Trust: PIA MBS Bond Fund; Managed Account Completion Shares	PMTGX
AIM Growth Series (Invesco Growth Series): Invesco Quality Income Fund; Class A Shares	VKMGX
AMG Funds II: AMG Managers Amundi Intermediate Government Fund; Class N Shares	MGIDX
BlackRock Allocation Target Shares: Series A Portfolio	BATAX
Brown Advisory Funds: Brown Advisory Mortgage Securities Fund; Institutional Class Shares	BAFZX
Columbia Funds Series Trust II: Columbia US Government Mortgage Fund; Class A Shares	AUGAX
Community Capital Trust: Community Reinvestment Act Qualified Investment Fund; CRA Class Shares	CRAIX
Community Development Fund; Class A Shares	CDCDX
DoubleLine Funds Trust: DoubleLine Total Return Bond Fund; Class I Shares	DBLTX
Federated Government Income Trust; Institutional Shares	FICMX
Federated Income Securities Trust: Federated Fund for US Government Securities; Class A Shares	FUSGX
Federated Managed Pool Series: Federated Mortgage Strategy Portfolio	FMBPX
Federated Total Return Series, Inc: Federated Mortgage Fund; Institutional Shares	FGFIX
Fidelity Advisor Series II: Fidelity Mortgage Securities Fund; Mortgage Securities Shares	FMSFX
Franklin Strategic Mortgage Portfolio; Class A1 Shares	FSMIX
Goldman Sachs Trust: Goldman Sachs US Mortgages Fund; Separate Acct Institutional Shares	GSUPX
JPMorgan Trust II: JPMorgan Mortgage-Backed Securities Fund; Class R6 Shares	JMBUX
Legg Mason Partners Income Trust: Western Asset Mortgage Backed Securities Fund; Class A Shares	SGVAX
Managed Account Series: BlackRock US Mortgage Portfolio; Institutional Shares	MSUMX
Morgan Stanley Mortgage Securities Trust; Class A Shares	MTGAX
PACE Select Advisors Trust: PACE Mortgage-Backed Securities Fixed Income Investments; Class P Shares	PCGTX
PIMCO Funds: PIMCO Mortgage-Backed Securities Fund; Institutional Class Shares	PTRIX
PNC Funds: PNC Government Mortgage Fund; Class I Shares	PTGIX
Principal Funds, Inc: Government & High Quality Bond Fund; Institutional Class Shares	PMRIX
Principal Funds, Inc: Real Estate Debt Income Fund; Institutional Class Shares	PRDIX
RBC Funds Trust: Access Capital Community Investment Fund; Class I Shares	ACCSX
Sterling Capital Funds: Sterling Capital Securitized Opportunities Fund; Institutional Class Shares	SCSPX
TCW Funds, Inc: TCW Total Return Bond Fund; Class I Shares	TGLMX
Virtus Asset Trust: Virtus Seix US Mortgage Fund; Class I Shares	SLMTX
Voya Separate Portfolios Trust: Voya Securitized Credit Fund; Class P Shares	VSCFX

**Lipper Ultra Short Obligations Funds Index**

Baird Funds, Inc: Baird Ultra Short Bond Fund; Institutional Class Shares	BUBIX
Calvert Fund: Calvert Ultra-Short Duration Income Fund; Class A Shares	CULAX
Columbia Funds Series Trust I: CMG Ultra Short Term Bond Fund	CMGUX
DFA Investment Dimensions Group Inc: DFA One-Year Fixed Income Portfolio; Institutional Class Shares	DFIHX
Federated Adjustable Rate Securities Fund; Institutional Shares	FEUGX
Federated Institutional Trust: Federated Government Ultrashort Duration Fund; Institutional Shares	FGUSX
Federated Total Return Series, Inc: Federated Ultrashort Bond Fund; Institutional Shares	FULIX
Fidelity Salem Street Trust: Fidelity Conservative Income Bond Fund	FCONX
Franklin Investors Securities Trust: Franklin Adjustable US Government Securities Fund; Class A Shares	FISAX
Goldman Sachs Trust: Goldman Sachs Enhanced Income Fund; Institutional Shares	GEIIX
Goldman Sachs Trust: Goldman Sachs High Quality Floating Rate Fund; Institutional Shares	GSARX
JPMorgan Trust I: JPMorgan Managed Income Fund; Class L Shares	JMGIX
Northern Funds: Tax-Advantaged Ultra-Short Fixed Income Fund	NTAUX
Northern Funds: Ultra-Short Fixed Income Fund	NUSFX
Oppenheimer Ultra-Short Duration Fund; Class Y Shares	OSDYX
Payden & Rygel Investment Group: Payden Limited Maturity Fund; Investor Class Shares	PYLMX
PIMCO Funds: PIMCO Short Asset Investment Fund; Institutional Class Shares	PAIDX
PIMCO Funds: PIMCO Short-Term Fund; Institutional Class Shares	PTSHX
Pioneer Series Trust X: Pioneer Multi-Asset Ultrashort Income Fund; Class Y Shares	MYFRX
PNC Funds: PNC Ultra Short Bond Fund; Class I Shares	PNCIX
Putnam Funds Trust: Putnam Short Duration Income Fund; Class A Shares	PSDTX
SEI Institutional Investments Trust: Ultra Short Duration Bond Fund; Class A Shares	SUSAX
T Rowe Price Ultra Short-Term Bond Fund	TRBUX
Trust for Credit Unions: Ultra-Short Duration Government Portfolio; TCU Class Shares	TCUUX
USAA Mutual Funds Trust: Ultra Short-Term Bond Fund; Fund Class Shares	UUSTX
Vanguard Fixed Income Securities Funds: Vanguard Ultra-Short-Term Bond Fund; Admiral Shares	VUSFX
Virtus Asset Trust: Virtus Seix US Government Securities Ultra-Short Bond Fund; Class I Shares	SIGVX
Wells Fargo Funds Trust: Wells Fargo Adjustable Rate Government Fund; Institutional Shares	EKIZX
Wells Fargo Funds Trust: Wells Fargo Conservative Income Fund; Institutional Class Shares	WCIIIX
Wells Fargo Funds Trust: Wells Fargo Ultra Short-Term Income Fund; Institutional Class Shares	SADIX



**Index Name    Full Fund Name**

**Nasdaq Symbol**

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**Tax-Exempt Fixed Income**

**Lipper California Intermediate Municipal Debt Funds Index**

American Century California Tax-Free & Municipal Funds: California Intermediate-Term Tax-Free Bond Fund; Inv	BCITX
BlackRock California Municipal Series Trust: BlackRock California Municipal Opportunities Fund; Instl CI Shs	MACMX
Capital Group Private Client Services Funds: Capital Group California Core Municipal Fund	CCCMX
Columbia Funds Series Trust: Columbia AMT-Free California Intermediate Muni Bond Fund; Institutional CI Shs	NCMAX
Franklin California Tax-Free Trust: Franklin California Intermediate-Term Tax-Free Income Fund; Class A Shares	FKCIX
Northern Funds: California Intermediate Tax-Exempt Fund	NCITX
Sanford C Bernstein Fund, Inc: California Municipal Portfolio; California Municipal Class Shares	SNCAX
Schwab Investments: Schwab California Tax-Free Bond Fund	SWCAX
SEI Tax Exempt Trust: California Municipal Bond Fund; Class F Shares	SBDAX
Vanguard California Tax-Free Funds: California Intermediate-Term Tax-Exempt Fund; Admiral Shares	VCADX

**Lipper California Municipal Debt Funds Index**

AB Municipal Income Fund, Inc: AB California Portfolio; Class A Shares	ALCAX
AIM Counselor Series Trust (Invesco Counselor Series Trust): Invesco California Tax-Free Income Fund; Cl A Shs	CLFAX
American Century California Tax-Free & Municipal Funds: California High-Yield Municipal Fund; Investor Cl Shs	BCHYX
American Funds Tax-Exempt Series II: Tax-Exempt Fund of California; Class A Shares	TAFTX
Columbia Funds Series Trust I: Columbia California Tax-Exempt Fund; Class A Shares	CLMPX
Deutsche State Tax-Free Income Series: Deutsche California Tax-Free Income Fund; Class A Shares	KCTAX
Dreyfus Premier California AMT-Free Municipal Bond Fund, Inc: Dreyfus California AMT-Free Muni Bd Fd; Cl Z Shs	DRCAX
Eaton Vance Municipals Trust: Eaton Vance California Municipal Opportunities Fund; Class A Shares	EACAX
Fidelity California Municipal Trust: Fidelity California Municipal Income Fund	FCTFX
First Investors Tax Exempt Funds: California Tax Exempt Fund; Class A Shares	FICAX
Franklin California Tax-Free Income Fund; Class A Shares	FKTFX
Franklin Municipal Securities Trust: Franklin California High Yield Municipal Fund; Class A Shares	FCAMX
John Hancock California Tax-Free Income Fund; Class A Shares	TACAX
Legg Mason Partners Income Trust: Western Asset California Municipals Fund; Class A Shares	SHRCX
Lord Abbett Municipal Income Fund, Inc: Lord Abbett California Tax Free Fund; Class A Shares	LCFIX
MainStay Funds Trust: MainStay California Tax Free Opportunities Fund; Class I Shares	MCOIX
MFS Municipal Series Trust: MFS California Municipal Bond Fund; Class A Shares	MCFTX
Northern Funds: California Tax-Exempt Fund	NCATX
Nuveen Multistate Trust II: Nuveen California High Yield Municipal Bond Fund; Class A Shares	NCHAX
Nuveen Multistate Trust II: Nuveen California Municipal Bond Fund; Class I Shares	NCSPX
Oppenheimer Rochester California Municipal Fund; Class A Shares	OPCAX
Principal Funds, Inc: California Municipal Fund; Class A Shares	SRCMX
Prudential Investment Portfolios 6: Prudential California Muni Income Fund; Class A Shares	PBCAX
Putnam California Tax Exempt Income Trust: Putnam California Tax Exempt Income Fund; Class A Shares	PCTEX
Shelton Funds: California Tax-Free Income Fund; Direct Share Class	CFNTX
T Rowe Price California Tax-Free Income Trust: California Tax-Free Bond Fund	PRXCX
USAA Mutual Funds Trust: California Bond Fund; Fund Class Shares	USCBX
Vanguard California Tax-Free Funds: California Long-Term Tax-Exempt Fund; Admiral Shares	VCLAX
Voyageur Mutual Funds: Delaware Tax-Free California Fund; Class A Shares	DVTAX
Wells Fargo Funds Trust: Wells Fargo California Tax-Free Fund; Class A Shares	SCTAX

**Index Name Full Fund Name**

**Nasdaq Symbol**

**Lipper General & Insured Municipal Debt Funds Index**

AIM Tax-Exempt Funds (Invesco Tax-Exempt Funds): Invesco Municipal Income Fund; Class A Shares	VKMMX
Aspiriant Trust: Aspiriant Risk-Managed Municipal Bond Fund	RMMBX
BlackRock Municipal Bond Fund, Inc: BlackRock National Municipal Fund; Investor A Shares	MDNLX
BNY Mellon Funds Trust: BNY Mellon Municipal Opportunities Fund; Class M Shares	MOTMX
Bridge Builder Trust: Bridge Builder Municipal Bond Fund	BBMUX
Columbia Funds Series Trust I: Columbia Tax-Exempt Fund; Class A Shares	COLTX
Deutsche Municipal Trust: Deutsche Managed Municipal Bond Fund; Class S Shares	SCMBX
Dreyfus Municipal Bond Fund, Inc	DRTAX
Eaton Vance Municipals Trust: Eaton Vance National Municipal Income Fund; Class A Shares	EANAX
Elfun Funds: Elfun Tax-Exempt Income Fund	ELFTX
Fidelity Municipal Trust: Fidelity Municipal Income Fund	FHIGX
Fidelity Salem Street Trust: Fidelity Tax-Free Bond Fund	FTABX
Franklin Federal Tax-Free Income Fund; Class A Shares	FKTIX
Legg Mason Partners Income Trust: Western Asset Managed Municipals Fund; Class A Shares	SHMMX
Lord Abbett Municipal Income Fund, Inc: Lord Abbett National Tax Free Fund; Class A Shares	LANSX
MainStay Funds: MainStay Tax Free Bond Fund; Class A Shares	MTBAX
MFS Municipal Series Trust: MFS Municipal Income Fund; Class A Shares	MFIAX
Northern Funds: Tax-Exempt Fund	NOTEX
Nuveen Municipal Trust: Nuveen All-American Municipal Bond Fund; Class I Shares	FAARX
Oppenheimer Rochester AMT-Free Municipal Fund; Class A Shares	OPTAX
Putnam Tax Exempt Income Fund; Class A Shares	PTAEX
SEI Tax Exempt Trust: Tax-Advantaged Income Fund; Class F Shares	SEATX
T Rowe Price Summit Municipal Funds, Inc: T Rowe Price Summit Municipal Income Fund	PRINX
T Rowe Price Tax-Free Income Fund, Inc	PRTAX
Tax-Exempt Bond Fund of America; Class A Shares	AFTEX
Thrivent Mutual Funds: Thrivent Municipal Bond Fund; Class A Shares	AAMBX
USAA Mutual Funds Trust: Tax Exempt Long-Term Fund; Fund Class Shares	USTEX
Vanguard Municipal Bond Funds: Vanguard High-Yield Tax-Exempt Fund; Admiral Shares	VWALX
Vanguard Municipal Bond Funds: Vanguard Long-Term Tax-Exempt Fund; Admiral Shares	VWLUX
Wells Fargo Funds Trust: Wells Fargo Municipal Bond Fund; Class A Shares	WMFAX

**Lipper High Yield Municipal Debt Funds Index**

AB Corporate Shares: AB Municipal Income Shares	MISHX
AB Municipal Income Fund, Inc: AB High Income Municipal Portfolio; Class A Shares	ABTHX
AIM Tax-Exempt Funds (Invesco Tax-Exempt Funds): Invesco High Yield Municipal Fund; Class A Shares	ACTHX
American Century Municipal Trust: High-Yield Municipal Fund; Investor Class Shares	ABHYX
American High-Income Municipal Bond Fund; Class A Shares	AMHIX
AMG Funds: AMG GW&K Municipal Enhanced Yield Fund; Class I Shares	GWMEY
BlackRock Municipal Bond Fund, Inc: BlackRock High Yield Municipal Fund; Institutional Shares	MAYHX
City National Rochdale Funds: City National Rochdale Municipal High Income Fund; Servicing Class Shares	CNRMX
Columbia Funds Series Trust I: Columbia High Yield Municipal Fund; Institutional Class Shares	SRHMX
Deutsche Municipal Trust: Deutsche Strategic High Yield Tax-Free Fund; Class S Shares	SHYTX
Eaton Vance Municipals Trust II: Eaton Vance High Yield Municipal Income Fund; Class A Shares	ETHYX
Federated Municipal Securities Income Trust: Federated Municipal High Yield Advantage Fund; Class A Shares	FMOAX
Franklin Tax-Free Trust: Franklin High Yield Tax-Free Income Fund; Class A Shares	FRHIX
Goldman Sachs Trust: Goldman Sachs High Yield Municipal Fund; Institutional Shares	GHYIX
Ivy Funds: Ivy Municipal High Income Fund; Class A Shares	IYIAX
Legg Mason Partners Income Trust: Western Asset Municipal High Income Fund; Class A Shares	STXAX
Lord Abbett Municipal Income Fund, Inc: Lord Abbett High Yield Municipal Bond Fund; Class A Shares	HYMAX
MainStay Funds Trust: MainStay High Yield Municipal Bond Fund; Class A Shares	MMHAX
MFS Series Trust III: MFS Municipal High Income Fund; Class A Shares	MMHYX
Northern Funds: High Yield Municipal Fund	NHYMX
Nuveen Municipal Trust: Nuveen High Yield Municipal Bond Fund; Class A Shares	NHMAX
Nuveen Municipal Trust: Nuveen Short Duration High Yield Municipal Bond Fund; Class I Shares	NVHIX
Oppenheimer Multi-State Municipal Trust: Oppenheimer Rochester High Yield Municipal Fund; Class A Shares	ORNAX
Pioneer Series Trust V: Pioneer High Income Municipal Fund; Class A Shares	PIMAX
Prudential Investment Portfolios 4: Prudential Muni High Income Fund; Class A Shares	PRHAX
Putnam Tax-Free Income Trust: Putnam Tax-Free High Yield Fund; Class A Shares	PTHAX
Russell Investment Company: Tax Exempt High Yield Bond Fund; Class S Shares	RTHSX
T Rowe Price Tax-Free High Yield Fund, Inc	PRFHX
Voyageur Mutual Funds: Delaware National High-Yield Municipal Bond Fund; Class A Shares	CXHYX
Waddell & Reed Advisors Funds: Waddell & Reed Advisors Municipal High Income Fund; Class A Shares	UMUHX

**Lipper Intermediate Municipal Debt Funds Index**

AIM Tax-Exempt Funds (Invesco Tax-Exempt Funds): Invesco Intermediate Term Municipal Income Fd; Class A Shares	IKLMX
American Century Municipal Trust: Intermediate-Term Tax-Free Bond Fund; Class I Shares	AXBIX
AMG Funds: AMG GW&K Municipal Bond Fund; Class I Shares	GWMIX
Baird Funds, Inc: Baird Quality Intermediate Municipal Bond Fund; Institutional Class Shares	BMBIX
BlackRock Municipal Series Trust: BlackRock Strategic Municipal Opportunities Fund; Institutional Shares	MAMTX
BMO Funds, Inc: BMO Intermediate Tax-Free Fund; Class Y Shares	MITFX
BNY Mellon Funds Trust: BNY Mellon National Intermediate Municipal Bond Fund; Class M Shares	MPNIX
Columbia Funds Series Trust I: Columbia AMT-Free Intermediate Muni Bond Fund; Institutional Class Shares	SETMX
Deutsche Tax Free Trust: Deutsche Intermediate Tax/AMT Free Fund; Institutional Class Shares	SZMIX
DFA Investment Dimensions Group Inc: DFA Intermediate-Term Municipal Bond Portfolio; Institutional Class Shs	DFTIX
Dreyfus Intermediate Municipal Bond Fund, Inc	DITEX
Fidelity School Street Trust: Fidelity Intermediate Municipal Income Fund	FLTMX
Franklin Tax-Free Trust: Franklin Federal Intermediate-Term Tax-Free Income Fund; Class A Shares	FKITX
Goldman Sachs Trust: Goldman Sachs Dynamic Municipal Income Fund; Institutional Shares	GSMTX
JPMorgan Trust I: JPMorgan Intermediate Tax Free Bond Fund; Class I Shares	JITIX
JPMorgan Trust I: JPMorgan Tax Aware Real Return Fund; Class I Shares	TXRIX
Legg Mason Partners Income Trust: Western Asset Intermediate-Term Municipals Fund; Class A Shares	SBLTX
Lord Abbett Municipal Income Fund, Inc: Lord Abbett Intermediate Tax Free Fund; Class A Shares	LISAX
Northern Funds: Intermediate Tax-Exempt Fund	NOITX
Nuveen Municipal Trust: Nuveen Intermediate Duration Municipal Bond Fund; Class I Shares	NUVBX
Russell Investment Company: Tax Exempt Bond Fund; Class S Shares	RLVSX
Sanford C Bernstein Fund, Inc: Diversified Municipal Portfolio;Diversified Municipal Class Shares	SNDPX
Schwab Investments: Schwab Tax-Free Bond Fund	SWNTX
SEI Tax Exempt Trust: Intermediate-Term Municipal Fund; Class F Shares	SEIMX
State Farm Associates' Funds Trust: State Farm Municipal Bond Fund	SFBDX
T Rowe Price Summit Municipal Funds, Inc: T Rowe Price Summit Municipal Intermediate Fund	PRSMX
Thornburg Investment Trust: Thornburg Intermediate Municipal Fund; Institutional Class Shares	THMIX
USAA Mutual Funds Trust: Tax Exempt Intermediate-Term Fund; Fund Class Shares	USATX
Vanguard Municipal Bond Funds: Vanguard Intermediate-Term Tax-Exempt Fund; Admiral Shares	VWIUX
Wells Fargo Funds Trust: Wells Fargo Intermediate Tax/AMT-Free Fund; Institutional Class Shares	WITIX

**Lipper Maryland Municipal Debt Funds Index**

Brown Advisory Funds: Brown Advisory Maryland Bond Fund; Investor Class Shares	BIAMX
Eaton Vance Municipals Trust: Eaton Vance Maryland Municipal Income Fund; Class A Shares	ETMDX
Fidelity Union Street Trust: Fidelity Maryland Municipal Income Fund	SMDMX
Franklin Tax-Free Trust: Franklin Maryland Tax-Free Income Fund; Class A Shares	FMDTX
MFS Municipal Series Trust: MFS Maryland Municipal Bond Fund; Class A Shares	MFSMX
Nuveen Multistate Trust I: Nuveen Maryland Municipal Bond Fund; Class A Shares	NMDAX
Oppenheimer Rochester Maryland Municipal Fund; Class C Shares	ORYCX
PNC Funds: PNC Maryland Tax Exempt Bond Fund; Class I Shares	PDITX
T Rowe Price State Tax-Free Income Trust: T Rowe Price Maryland Tax-Free Bond Fund	MDXBX
Trust for Advised Portfolios: 1919 Maryland Tax-Free Income Fund; Class A Shares	LMMDX

**Lipper Massachusetts Municipal Debt Funds Index**

AB Municipal Income Fund II: AB Massachusetts Portfolio; Class A Shares	AMAAX
Deutsche State Tax Free Income Series: Deutsche Massachusetts Tax-Free Fund; Class S Shares	SCMAX
Dreyfus State Municipal Bond Fund: Dreyfus Massachusetts Fund; Class Z Shares	PMAZX
Eaton Vance Municipals Trust: Eaton Vance Massachusetts Municipal Income Fund; Class A Shares	ETMAX
Fidelity Massachusetts Municipal Trust: Fidelity Massachusetts Municipal Income Fund	FDMMX
Franklin Tax-Free Trust: Franklin Massachusetts Tax-Free Income Fund; Class A Shares	FMISX
MFS Municipal Series Trust: MFS Massachusetts Municipal Bond Fund; Class A Shares	MFSSX
Nuveen Multistate Trust II: Nuveen Massachusetts Municipal Bond Fund; Class I Shares	NBMAX
Putnam Massachusetts Tax Exempt Income Fund; Class A Shares	PXMAX
Vanguard Massachusetts Tax-Exempt Funds: Massachusetts Tax-Exempt Fund; Investor Shares	VMATX

**Lipper Minnesota Municipal Debt Funds Index**

Columbia Funds Series Trust II: Columbia Minnesota Tax-Exempt Fund; Class A Shares	IMNTX
Fidelity Municipal Trust: Fidelity Minnesota Municipal Income Fund	FIMIX
Franklin Tax-Free Trust: Franklin Minnesota Tax-Free Income Fund; Class A Shares	FMINX
Nuveen Investment Funds, Inc: Nuveen Minnesota Municipal Bond Fund; Class A Shares	FJMNX
Oppenheimer Rochester Minnesota Municipal Fund; Class A Shares	OPAMX
Putnam Minnesota Tax Exempt Income Fund; Class A Shares	PXMNX
Sit Mutual Funds II, Inc: Sit Minnesota Tax-Free Income Fund	SMTFX
Voyageur Mutual Funds: Delaware Minnesota High-Yield Municipal Bond Fund; Class A Shares	DVMHX
Voyageur Tax Free Funds: Delaware Tax-Free Minnesota Fund; Class A Shares	DEFFX
Wells Fargo Funds Trust: Wells Fargo Minnesota Tax-Free Fund; Administrator Class Shares	NWMIX

**Index Name Full Fund Name****Nasdaq Symbol****Lipper New Jersey Municipal Debt Funds Index**

BlackRock Multi-State Municipal Series Trust: BlackRock New Jersey Municipal Bond Fund; Institutional Shares	MANJX
Dreyfus New Jersey Municipal Bond Fund, Inc; Class A Shares	DRNJX
Fidelity Court Street Trust: Fidelity New Jersey Municipal Income Fund	FNJHX
Franklin Tax-Free Trust: Franklin New Jersey Tax-Free Income Fund; Class A Shares	FRNJX
Legg Mason Partners Income Trust: Western Asset New Jersey Municipals Fund; Class A Shares	SHNJX
Nuveen Multistate Trust II: Nuveen New Jersey Municipal Bond Fund; Class A Shares	NNJAX
Oppenheimer Multi-State Municipal Trust: Oppenheimer Rochester New Jersey Municipal Fund; Class A Shares	ONJAX
Putnam New Jersey Tax Exempt Income Fund; Class A Shares	PTNJX
T Rowe Price State Tax-Free Income Trust: T Rowe Price New Jersey Tax-Free Bond Fund	NJTFX
Vanguard New Jersey Tax-Free Funds: New Jersey Long-Term Tax-Exempt Fund; Investor Shares	VNJTX

**Lipper New York Municipal Debt Funds Index**

AB Municipal Income Fund, Inc: AB New York Portfolio; Class A Shares	ALNYX
Dreyfus New York Tax Exempt Bond Fund, Inc	DRNYX
Fidelity New York Municipal Trust: Fidelity New York Municipal Income Fund	FTFMX
Franklin New York Tax-Free Income Fund; Class A Shares	FNYTX
Legg Mason Partners Income Trust: Western Asset New York Municipals Fund; Class A Shares	SBNYX
Oppenheimer Rochester AMT-Free New York Municipals; Class A Shares	OPNYX
Oppenheimer Rochester Fund Municipals; Class A Shares	RMUNX
Putnam New York Tax Exempt Income Fund; Class A Shares	PTEIX
T Rowe Price State Tax-Free Income Trust: T Rowe Price New York Tax-Free Bond Fund	PRNYX
Vanguard New York Tax-Free Funds: New York Long-Term Tax-Exempt Fund; Investor Shares	VNYTX

**Lipper Ohio Municipal Debt Funds Index**

AB Municipal Income Fund II: AB Ohio Portfolio; Class A Shares	AOHAX
Eaton Vance Municipals Trust: Eaton Vance Ohio Municipal Income Fund; Class A Shares	ETOHX
Federated Municipal Securities Income Trust: Federated Ohio Municipal Income Fund; Class F Shares	OMIFX
Fidelity Municipal Trust: Fidelity Ohio Municipal Income Fund	FOHFX
Franklin Tax-Free Trust: Franklin Ohio Tax-Free Income Fund; Class A Shares	FTOIX
Manning & Napier Fund, Inc: Ohio Tax Exempt Series	EXOTX
Nuveen Multistate Trust IV: Nuveen Ohio Municipal Bond Fund; Class A Shares	FOHTX
Putnam Ohio Tax Exempt Income Fund; Class A Shares	PXOHX
Touchstone Strategic Trust: Ohio Tax-Free Bond Fund; Class A Shares	TOHAX
Vanguard Ohio Tax-Free Funds: Ohio Long-Term Tax-Exempt Fund; Investor Shares	VOHIX

**Lipper Other States Intermediate Municipal Debt Funds Index**

American Independence Funds Trust: American Independence Kansas Tax-Exempt Bond Fund; Institutional Class Shares	SEKSX
BNY Mellon Funds Trust: BNY Mellon Massachusetts Intermediate Municipal Bond Fund; Class M Shares	MMBMX
BNY Mellon Funds Trust: BNY Mellon Pennsylvania Intermediate Municipal Bond Fund; Class M Shares	MPPIX
Columbia Funds Series Trust I: Columbia AMT-Free Connecticut Intermediate Muni Bond Fund; Institutional CI Shs	SCTEX
Columbia Funds Series Trust I: Columbia AMT-Free Massachusetts Intermediate Muni Bond Fund; Institutional Sh	SEMAX
Columbia Funds Series Trust I: Columbia AMT-Free Oregon Intermediate Muni Bond Fund; Institutional CI Shs	CMBFX
Columbia Funds Series Trust: Columbia AMT-Free Georgia Intermediate Muni Bond Fund; Institutional Class Shares	NGAMX
Columbia Funds Series Trust: Columbia AMT-Free Maryland Intermediate Muni Bond Fund; Institutional CI Shs	NMDBX
Columbia Funds Series Trust: Columbia AMT-Free North Carolina Intermediate Muni Bond Fund; Institutional Shs	NNIBX
Columbia Funds Series Trust: Columbia AMT-Free South Carolina Intermediate Muni Bond Fund; Inst CI Shs	NSCMX
Columbia Funds Series Trust: Columbia AMT-Free Virginia Intermediate Muni Bond Fund; Institutional CI Shs	NVABX
Commerce Funds: Kansas Tax-Free Intermediate Bond Fund	KTXIX
Commerce Funds: Missouri Tax-Free Intermediate Bond Fund	CFMOX
Federated Municipal Securities Income Trust: Federated Michigan Intermediate Municipal Trust; Class A Shares	MMIFX
FundVantage Trust: Pacific Capital Tax-Free Securities Fund; Class Y Shares	PTXFX
Johnson Mutual Funds Trust: Johnson Municipal Income Fund	JMUNX
Nuveen Investment Funds, Inc: Nuveen Minnesota Intermediate Municipal Bond Fund; Class I Shares	FAMTX
Nuveen Investment Funds, Inc: Nuveen Oregon Intermediate Municipal Bond Fund; Class I Shares	FORCX
PIMCO Managed Accounts Trust: Fixed Income SHares Series TE	FXIEX
SEI Tax Exempt Trust: Massachusetts Municipal Bond Fund; Class F Shares	SMAAX
Sterling Capital Funds: Sterling Capital North Carolina Intermediate Tax-Free Fund; Institutional Class Shares	BBNTX
Sterling Capital Funds: Sterling Capital South Carolina Intermediate Tax-Free Fund; Institutional Class Shares	BSCIX
Sterling Capital Funds: Sterling Capital Virginia Intermediate Tax-Free Fund; Institutional Class Shares	BVATX
Sterling Capital Funds: Sterling Capital West Virginia Intermediate Tax-Free Fund; Institutional Class Shares	OWVAX
Thornburg Investment Trust: Thornburg New Mexico Intermediate Municipal Fund; Class A Shares	THNMX
Tributary Funds, Inc: Tributary Nebraska Tax-Free Fund; Institutional Plus Class Shares	FONPX
Virtus Asset Trust: Virtus Seix Virginia Intermediate Municipal Bond Fund; Class I Shares	CRVTX
Voyageur Intermediate Tax Free Funds: Delaware Tax-Free Minnesota Intermediate Fund; Class A Shares	DXCCX
Weitz Funds: Nebraska Tax-Free Income Fund	WNTFX
Westcore Trust: Westcore Colorado Tax-Exempt Fund; Retail Class Shares	WTCOX



**Lipper Other States Municipal Debt Funds Index**

Aquila Municipal Trust: Aquila Churchill Tax-Free Fund of Kentucky; Class A Shares	CHTFX
Aquila Municipal Trust: Aquila Tax-Free Fund for Utah; Class A Shares	UTAHX
Aquila Municipal Trust: Aquila Tax-Free Fund of Colorado; Class A Shares	COTFX
Aquila Municipal Trust: Aquila Tax-Free Trust of Arizona; Class A Shares	AZTFX
Cascades Trust: Aquila Tax-Free Trust of Oregon; Class A Shares	ORTFX
Colorado BondShares-A Tax-Exempt Fund	HICOX
Dupree Mutual Funds: Kentucky Tax-Free Income Series	KYTFX
Fidelity Court Street Trust: Fidelity Connecticut Municipal Income Fund	FICNX
Fidelity Municipal Trust: Fidelity Michigan Municipal Income Fund	FMHTX
Franklin Municipal Securities Trust: Franklin Tennessee Municipal Bond Fund; Class A Shares	FRTIX
Franklin Tax-Free Trust: Franklin Alabama Tax-Free Income Fund; Class A Shares	FRALX
Franklin Tax-Free Trust: Franklin Arizona Tax-Free Income Fund; Class A Shares	FTAZX
Franklin Tax-Free Trust: Franklin Colorado Tax-Free Income Fund; Class A Shares	FRCOX
Franklin Tax-Free Trust: Franklin Connecticut Tax-Free Income Fund; Class A Shares	FXCTX
Franklin Tax-Free Trust: Franklin Florida Tax-Free Income Fund; Class A Shares	FRFLX
Franklin Tax-Free Trust: Franklin Georgia Tax-Free Income Fund; Class A Shares	FTGAX
Franklin Tax-Free Trust: Franklin Kentucky Tax-Free Income Fund; Class A Shares	FRKYX
Franklin Tax-Free Trust: Franklin Louisiana Tax-Free Income Fund; Class A Shares	FKLAX
Franklin Tax-Free Trust: Franklin Michigan Tax-Free Income Fund; Class A Shares	FTTMX
Franklin Tax-Free Trust: Franklin Missouri Tax-Free Income Fund; Class A Shares	FRMOX
Franklin Tax-Free Trust: Franklin North Carolina Tax-Free Income Fund; Class A Shares	FXNCX
Franklin Tax-Free Trust: Franklin Oregon Tax-Free Income Fund; Class A Shares	FRORX
Hawaiian Tax-Free Trust; Class A Shares	HULAX
MFS Municipal Series Trust: MFS North Carolina Municipal Bond Fund; Class A Shares	MSNCX
MFS Municipal Series Trust: MFS South Carolina Municipal Bond Fund; Class A Shares	MFSCX
Nuveen Multistate Trust III: Nuveen North Carolina Municipal Bond Fund; Class I Shares	FCNRX
Nuveen Multistate Trust III: Nuveen Tennessee Municipal Bond Fund; Class A Shares	FTNTX
Nuveen Multistate Trust IV: Nuveen Kentucky Municipal Bond Fund; Class A Shares	FKYTX
Nuveen Multistate Trust IV: Nuveen Missouri Municipal Bond Fund; Class A Shares	FMOTX
T Rowe Price State Tax-Free Income Trust: Georgia Tax-Free Bond Fund	GTFBX

**Index Name    Full Fund Name**

**Nasdaq Symbol**

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**Lipper Pennsylvania Municipal Debt Funds Index**

BlackRock Multi-State Municipal Series Trust: BlackRock Pennsylvania Municipal Bond Fund; Institutional Shares	MAPYX
Delaware Group State Tax-Free Income Trust: Delaware Tax-Free Pennsylvania Fund; Class A Shares	DELIX
Federated Municipal Securities Income Trust: Federated Pennsylvania Municipal Income Fund; Class A Shares	PAMFX
Fidelity Municipal Trust: Fidelity Pennsylvania Municipal Income Fund	FPXTX
Franklin Tax-Free Trust: Franklin Pennsylvania Tax-Free Income Fund; Class A Shares	FRPAX
Nuveen Multistate Trust I: Nuveen Pennsylvania Municipal Bond Fund; Class I Shares	NBPAX
Oppenheimer Multi-State Municipal Trust: Oppenheimer Rochester Pennsylvania Municipal Fund; Class A Shares	OPATX
Putnam Pennsylvania Tax Exempt Income Fund; Class A Shares	PTEPX
SEI Tax Exempt Trust: Pennsylvania Municipal Bond Fund; Class F Shares	SEPAX
Vanguard Pennsylvania Tax-Free Funds: Pennsylvania Long-Term Tax-Exempt Fund; Investor Shares	VPAIX

**Index Name Full Fund Name**

**Nasdaq Symbol**

**Lipper Short Municipal Debt Funds Index**

Alpine Income Trust: Alpine Ultra Short Municipal Income Fund; Institutional Class Shares	ATOIX
American Funds Short-Term Tax-Exempt Bond Fund; Class A Shares	ASTEX
BlackRock Municipal Bond Fund, Inc: BlackRock Short-Term Municipal Fund; Institutional Shares	MALMX
BMO Funds, Inc: BMO Short Tax-Free Fund; Class I Shares	MTFIX
BMO Funds, Inc: BMO Ultra Short Tax-Free Fund; Class I Shares	MUISX
BNY Mellon Funds Trust: BNY Mellon National Short-Term Municipal Bond Fund; Class M Shares	MPSTX
Capital Group Private Client Services Funds: Capital Group Short-Term Municipal Fund	CSTMX
Columbia Funds Series Trust: Columbia Short Term Municipal Bond Fund; Institutional Class Shares	NSMIX
Deutsche Municipal Trust: Deutsche Short-Term Municipal Bond Fund; Class A Shares	SRMAX
DFA Investment Dimensions Group Inc: DFA Short-Term Municipal Bond Portfolio; Institutional Class Shares	DFSMX
Dreyfus Premier Short-Intermediate Municipal Bond Fund: Dreyfus Short-Intermediate Municipal Bond Fd; CI D Shs	DSIBX
Eaton Vance Investment Trust: Eaton Vance Floating-Rate Municipal Income Fund; Class A Shares	EXFLX
Federated Fixed Income Securities, Inc: Federated Municipal Ultrashort Fund; Class A Shares	FMUUX
Federated Short-Intermediate Duration Municipal Trust; Institutional Shares	FSHIX
Fidelity Municipal Trust: Fidelity Conservative Income Municipal Bond Fund; Institutional Class Shares	FMNDX
Franklin Tax-Free Trust: Franklin Federal Limited-Term Tax-Free Income Fund; Class A Shares	FFTFX
Goldman Sachs Trust: Goldman Sachs Short Duration Tax-Free Fund; Institutional Share	GSDUX
Legg Mason Partners Income Trust: Western Asset Short Duration Municipal Income Fund; Class C Shares	SHDLX
Lord Abbett Municipal Income Fund, Inc: Lord Abbett Short Duration Tax-Free Fund; Class A Shares	LSDAX
Nuveen Investment Funds, Inc: Nuveen Short Term Municipal Bond Fund; Class I Shares	FSHYX
Oppenheimer Rochester Short Term Municipal Fund; Class A Shares	ORSTX
PIMCO Funds: PIMCO Short Duration Municipal Income Fund; Class A Shares	PSDAX
Sanford C Bernstein Fund, Inc: Short Duration Diversified Municipal Portfolio; Short Duration Div Muni CI Shs	SDDMX
SEI Institutional Managed Trust: SIMT Tax-Free Conservative Fund; Class F Shares	TFCAX
SEI Tax Exempt Trust: Short Duration Municipal Fund; Class F Shares	SUMAX
T Rowe Price State Tax-Free Income Trust: T Rowe Price Maryland Short-Term Tax-Free Bond Fund	PRMDX
USAA Mutual Funds Trust: Tax Exempt Short-Term Fund; Fund Class Shares	USSTX
Vanguard Municipal Bond Funds: Vanguard Short-Term Tax-Exempt Fund; Admiral Shares	VWSUX
Wells Fargo Funds Trust: Wells Fargo Short-Term Municipal Bond Fund; Class A Shares	WSMAX
Wells Fargo Funds Trust: Wells Fargo Ultra Short-Term Municipal Income Fund; Institutional Class Shs	SMAIX

**Index Name Full Fund Name**

**Nasdaq Symbol**

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**Lipper Short-Intermediate Municipal Debt Funds Index**

AIM Tax-Exempt Funds (Invesco Tax-Exempt Funds): Invesco Limited Term Municipal Income Fund; Class A Shares	ATFAX
Fidelity Municipal Trust: Fidelity Limited Term Municipal Income Fund	FSTFX
JPMorgan Trust II: JPMorgan Short-Intermediate Municipal Bond Fund; Class I Shares	JIMIX
Limited Term Tax-Exempt Bond Fund of America; Class A Shares	LTEBX
Northern Funds: Short-Intermediate Tax-Exempt Fund	NSITX
Nuveen Municipal Trust: Nuveen Limited Term Municipal Bond Fund; Class A Shares	FLTDX
Old Westbury Funds, Inc: Old Westbury Municipal Bond Fund	OWMBX
T Rowe Price Tax-Free Short-Intermediate Fund, Inc	PRFSX
Thornburg Investment Trust: Thornburg Limited Term Municipal Fund; Institutional Class Shares	LTMIX
Vanguard Municipal Bond Funds: Vanguard Limited-Term Tax-Exempt Fund; Admiral Shares	VMLUX

**Lipper Virginia Municipal Debt Funds Index**

AB Municipal Income Fund II: AB Virginia Portfolio; Class A Shares	AVAAX
Eaton Vance Municipals Trust: Eaton Vance Virginia Municipal Income Fund; Class A Shares	ETVAX
First Investors Tax Exempt Funds: Virginia Tax Exempt Fund; Class A Shares	FIVAX
Franklin Tax-Free Trust: Franklin Virginia Tax-Free Income Fund; Class A Shares	FRVAX
MFS Municipal Series Trust: MFS Virginia Municipal Bond Fund; Class A Shares	MSVAX
Nuveen Multistate Trust I: Nuveen Virginia Municipal Bond Fund; Class A Shares	FVATX
Oppenheimer Rochester Virginia Municipal Fund; Class A Shares	ORVAX
T Rowe Price State Tax-Free Income Trust: T Rowe Price Virginia Tax-Free Bond Fund	PRVAX
USAA Mutual Funds Trust: Virginia Bond Fund; Fund Class Shares	USVAX
Williamsburg Investment Trust: Jamestown Tax Exempt Virginia Fund	JTEVX

**Index Name Full Fund Name**

**Nasdaq Symbol**

**Money Market**

**Lipper California Tax-Exempt Money Market Funds Index**

American Century California Tax-Free & Municipal Funds: California Tax-Free Money Market Fund; Investor Class	BCTXX
BlackRock Liquidity Funds: California Money Fund; Institutional Shares	MUCXX
Charles Schwab Family of Funds: Schwab California Municipal Money Fund; Sweep Class Shares	SWCXX
Fidelity California Municipal Trust II: Fidelity California AMT Tax-Free Money Market Fund; Class I Shares	FSBXX
Fidelity California Municipal Trust II: Fidelity California Municipal Money Market Fund	FCFXX
General California Municipal Money Market Fund; Class A Shares	GCAXX
JPMorgan Trust I: JPMorgan California Municipal Money Market Fund; Service Class Shares	JCVXX
Money Market Obligations Trust: Federated California Municipal Cash Trust; Service Shares	CACXX
TD Asset Management USA Funds Inc: TD California Municipal Money Market Portfolio; Class A Shares	TDCXX
Vanguard California Tax-Free Funds: California Municipal Money Market Fund; Investor Shares	VCTXX

**Lipper Institutional Money Market Funds Index**

BlackRock Liquidity Funds: TempFund; Institutional Shares	TMPXX
Dreyfus Cash Management; Institutional Shares	DICXX
Dreyfus Institutional Preferred Money Market Funds: Dreyfus Institutional Preferred Money Market Fund; Inst CS	DIQXX
Fidelity Colchester Street Trust: Prime Money Market Portfolio; Institutional Class	FIPXX
JPMorgan Trust I: JPMorgan Prime Money Market Fund; Capital Shares	CJPXX
Money Market Obligations Trust: Federated Institutional Prime Value Obligations Fund; Institutional Shares	PVOXX
Northern Institutional Funds: Prime Obligations Portfolio; Shares	NPAXX
State Street Institutional Investment Trust: State Street Institutional Liquid Reserves Fund; Premier CI	SSIXX
UBS Money Series: UBS Select Prime Institutional Fund	SELXX
Wells Fargo Funds Trust: Wells Fargo Heritage Money Market Fund; Select Class Shares	WFJXX

**Lipper Institutional Tax-Exempt Money Market Funds Index**

AIM Treasurer's Series Trust (Invesco Treasurer's Series Trust): Premier Tax-Exempt Portfolio; Inst CI Shs	PEIXX
BlackRock Liquidity Funds: MuniCash; Institutional Shares	MCSXX
Dreyfus Tax Exempt Cash Management Funds: Dreyfus AMT-Free Tax Exempt Cash Management; Institutional Shares	DEIXX
Money Market Obligations Trust: Federated Institutional Tax-Free Cash Trust; Premier Shares	FTFXX
Morgan Stanley Institutional Liquidity Funds: Tax-Exempt Portfolio; Institutional Class Shares	MTXXX
Northern Institutional Funds: Municipal Portfolio; Shares	NMUIX
Wells Fargo Funds Trust: Wells Fargo Municipal Cash Management Money Market Fund; Institutional Shs	EMMXX

**Index Name Full Fund Name**

**Nasdaq Symbol**

**Lipper Institutional US Government Money Market Funds Index**

Active Assets Government Trust	AISXX
AIM Treasurer's Series Trust (Invesco Treasurer's Series Trust): Premier US Govt Money Port; Inst Cl Shs	IUGXX
BlackRock Liquidity Funds: FedFund; Institutional Shares	TFDXX
Cash Account Trust: Deutsche Government & Agency Securities Portfolio; Deutsche Government Cash Inst Shs	DBBXX
Deutsche Money Market Trust: Deutsche Government Money Market Series; Institutional Class Shares	ICAXX
Dreyfus Government Cash Management Funds: Dreyfus Government Cash Management; Institutional Shares	DGCXX
Dreyfus Government Cash Management Funds: Dreyfus Government Securities Cash Management; Institutional Shares	DHSXX
Fidelity Colchester Street Trust: Government Portfolio; Institutional Class Shares	FRGXX
First American Funds, Inc: Government Obligations Fund; Class Z Shares	FGZXX
Goldman Sachs Trust: Goldman Sachs Financial Square Government Fund; Institutional Class Shares	FGTXX
Goldman Sachs Trust: Goldman Sachs Financial Square Treasury Solutions Fund; Institutional Class Shares	FEDXX
HSBC Funds: HSBC US Government Money Market Fund; Class Y Shares	RGYXX
Institutional Fiduciary Trust: Money Market Portfolio	INFXX
JPMorgan Trust II: JPMorgan US Government Money Market Fund; Capital Shares	OGVXX
Legg Mason Partners Institutional Trust: Western Asset Institutional Government Reserves; Institutional Shares	INGXX
Money Market Obligations Trust: Federated Government Obligations Fund; Premier Shares	GOFXX
Morgan Stanley Institutional Liquidity Funds: Government Portfolio; Institutional Class Shares	MVRXX
Morgan Stanley Institutional Liquidity Funds: Government Securities Portfolio; Participant Class Shares	MGPXX
Northern Institutional Funds: US Government Portfolio; Shares	BNGXX
Northern Institutional Funds: US Government Select Portfolio; Shares	BGSXX
Oppenheimer Institutional Government Money Market Fund; Class E Shares	IOEXX
PNC Funds: PNC Government Money Market Fund; Class I Shares	PKIXX
RBC Funds Trust: RBC US Government Money Market Fund; RBC Institutional Class 1 Shares	TUGXX
SEI Daily Income Trust: Government Fund; Class F Shares	SEOXX
Short-Term Investments Trust: Government & Agency Portfolio; Institutional Class Shares	AGPXX
State Street Institutional Investment Trust: State Street Institutional US Government Money Market Fund; Prem	GVMXX
UBS Money Series: UBS Select Government Preferred Fund	SGPXX
Wells Fargo Funds Trust: Wells Fargo Government Money Market Fund; Select Class Shares	WFFXX
Wilmington Funds: Wilmington US Government Money Market Fund; Select Class Shares	AKGXX

**Lipper Institutional US Treasury Money Market Funds Index**

BlackRock Liquidity Funds: T-Fund; Institutional Shares	TSTXX
BlackRock Liquidity Funds: Treasury Trust Fund; Institutional Shares	TTTXX
Dreyfus Treasury & Agency Cash Management; Institutional Shares	DTRXX
Dreyfus Treasury Securities Cash Management; Institutional Shares	DIRXX
Fidelity Colchester Street Trust: Treasury Only Portfolio; Class I Shares	FSIXX
Fidelity Colchester Street Trust: Treasury Portfolio; Class I Shares	FISXX
First American Funds, Inc: Treasury Obligations Fund; Class Z Shares	FUZXX
First American Funds, Inc: US Treasury Money Market Fund; Class Y Shares	FOYXX
Funds For Institutions Series: BlackRock Treasury Strategies Institutional Fund	MLIXX
Funds For Institutions Series: FFI Treasury Fund	MLTXX
Goldman Sachs Trust: Goldman Sachs Financial Square Treasury Instruments Fund; Institutional Class Shares	FTIXX
Goldman Sachs Trust: Goldman Sachs Financial Square Treasury Obligations Fund; Institutional Class Shares	FTOXX
Investors Cash Trust: Deutsche Treasury Portfolio; Institutional Class Shares	ICTXX
JPMorgan Trust I: JPMorgan 100% US Treasury Securities Money Market Fund; Capital Shares	CJTXX
JPMorgan Trust II: JPMorgan US Treasury Plus Money Market Fund; Institutional Shares	IJTXX
Legg Mason Partners Institutional Trust: Western Asset Institutional US Treasury Reserves; Institutional Shs	CIIXX
Money Market Obligations Trust: Federated Treasury Obligations Fund; Institutional Shares	TOIXX
Money Market Obligations Trust: Federated Trust for US Treasury Obligations; Cash II Shares	TTIXX
Money Market Obligations Trust: Federated US Treasury Cash Reserves; Institutional Shares	UTIXX
Morgan Stanley Institutional Liquidity Funds: Treasury Portfolio; Institutional Class Shares	MISXX
Morgan Stanley Institutional Liquidity Funds: Treasury Securities Portfolio; Institutional Class Shares	MSUXX
Northern Institutional Funds: Treasury Portfolio; Shares	NITXX
PNC Funds: PNC Treasury Money Market Fund; Class I Shares	PDIXX
Short-Term Investments Trust: Treasury Obligations Portfolio; Institutional Class Shares	TSPXX
Short-Term Investments Trust: Treasury Portfolio; Institutional Class Shares	TRPXX
State Street Institutional Investment Trust: State Street Institutional Treasury Money Market Fund; Premier Cl	TRIXX
State Street Institutional Investment Trust: State Street Institutional Treasury Plus Money Market Fund; Prem	TPIXX
UBS Money Series: UBS Select Treasury Preferred Fund	STPXX
Wells Fargo Funds Trust: Wells Fargo 100% Treasury Money Market Fund; Institutional Class Shares	WOTXX
Wells Fargo Funds Trust: Wells Fargo Treasury Plus Money Market Fund; Institutional Class Shares	PISXX

**Lipper Money Market Funds Index**

AIM Treasurer's Series Trust (Invesco Treasurer's Series Trust): Premier Portfolio; Institutional Class Shares	IPPXX
Alight Series Trust: Alight Money Market Fund; Administrative Shares	HEWXX
American Century Investment Trust: Prime Money Market Fund; Investor Class Shares	BPRXX
BlackRock Funds: BlackRock Money Market Portfolio; Institutional Shares	PNIXX
BMO Funds, Inc: BMO Prime Money Market Fund; Premier Class Shares	MAIXX
Charles Schwab Family of Funds: Schwab Advisor Cash Reserves; Premier Sweep Class Shares	SWZXX
Charles Schwab Family of Funds: Schwab Cash Reserves	SWSXX
Charles Schwab Family of Funds: Schwab Investor Money Fund	SWRXX
Charles Schwab Family of Funds: Schwab Money Market Fund	SWMXX
Charles Schwab Family of Funds: Schwab Value Advantage Money Fund; Investor Class Shares	SWVXX
Deutsche Money Funds: Deutsche Money Market Prime Series; Deutsche Money Market Fund Class Shares	KMMXX
Dreyfus Liquid Assets, Inc; Class 1 Shares	DLAXX
Edward Jones Money Market Fund; Investment Shares	JNSXX
Fidelity Colchester Street Trust: Money Market Portfolio; Institutional Class	FNSXX
Fidelity Hereford Street Trust: Fidelity Money Market Fund; Premium Class	FZDXX
First American Funds, Inc: Retail Prime Obligations Fund; Class A Shares	FAPXX
General Money Market Fund, Inc; Class B Shares	GMBXX
Janus Investment Fund: Janus Henderson Money Market Fund; Class D Shares	JNMXX
JPMorgan Trust II: JPMorgan Liquid Assets Money Market Fund; Institutional Shares	IJLXX
Money Market Obligations Trust: Federated Capital Reserves Fund	FRFXX
Money Market Obligations Trust: Federated Prime Cash Obligations Fund; Wealth Shares	PCOXX
Principal Funds, Inc: Money Market Fund; Class A Shares	PCSXX
Putnam Money Market Fund; Class A Shares	PDDXX
T Rowe Price Summit Funds, Inc: T Rowe Price Cash Reserves Fund	TSCXX
UBS Money Series: UBS Prime Preferred Fund	UPPXX
UBS Money Series: UBS Prime Reserves Fund	UPRXX
USAA Mutual Funds Trust: Money Market Fund	USAXX
Vanguard Money Market Reserves: Vanguard Prime Money Market Fund; Investor Shares	VMMXX
Waddell & Reed Advisors Funds: Waddell & Reed Advisors Cash Management Fund; Class A Shares	UNCXX
Wells Fargo Funds Trust: Wells Fargo Money Market Fund; Class A Shares	STGXX



**Index Name Full Fund Name**

**Nasdaq Symbol**

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**Lipper New York Tax-Exempt Money Market Funds Index**

Charles Schwab Family of Funds: Schwab New York Municipal Money Fund; Sweep Class Shares	SWNXX
Dreyfus AMT-Free New York Municipal Cash Management; Investor Shares	DVYXX
Fidelity New York Municipal Trust II: Fidelity New York AMT Tax-Free Money Market Fund	FSNXX
Fidelity New York Municipal Trust II: Fidelity New York Municipal Money Market Fund	FNYXX
General New York AMT-Free Municipal Money Market Fund; Class A Shares	GNMXX
JPMorgan Trust I: JPMorgan New York Municipal Money Market Fund; Morgan Shares	VNYXX
Money Market Obligations Trust: Federated New York Municipal Cash Trust; Cash Series Shares	FNCXX
T Rowe Price State Tax-Free Income Trust: T Rowe Price New York Tax-Free Money Fund	NYTXX
TD Asset Management USA Funds Inc: TD New York Municipal Money Market Portfolio; Investor Class Shares	WNYXX
Vanguard New York Tax-Free Funds: New York Municipal Money Market Fund; Investor Shares	VFYXX

**Lipper Other States Tax-Exempt Money Market Funds Index**

Fidelity Court Street Trust II: Fidelity Connecticut Municipal Money Market Fund	FCMXX
Fidelity Court Street Trust II: Fidelity New Jersey Municipal Money Market Fund	FNJXX
Fidelity Massachusetts Municipal Trust: Fidelity Massachusetts AMT Tax-Free Money Market Fund; Inst Class	FMAXX
Fidelity Massachusetts Municipal Trust: Fidelity Massachusetts Municipal Money Market Fund	FDMXX
Fidelity Municipal Trust II: Fidelity Michigan Municipal Money Market Fund	FMIXX
Fidelity Municipal Trust II: Fidelity Ohio Municipal Money Market Fund	FOMXX
Fidelity Municipal Trust II: Fidelity Pennsylvania Municipal Money Market Fund	FPTXX
Fidelity Union Street Trust II: Arizona Municipal Money Market Fund	FSAXX
Vanguard New Jersey Tax-Free Funds: New Jersey Municipal Money Market Fund; Investor Shares	VNJXX
Vanguard Pennsylvania Tax-Free Funds: Pennsylvania Municipal Money Market Fund; Investor Shares	VPTXX

**Lipper Tax-Exempt Money Market Funds Index**

American Century Municipal Trust: Tax-Free Money Market Fund; Investor Class Shares	BNTXX
BlackRock Liquidity Funds: MuniFund; Institutional Shares	MFTXX
BMO Funds, Inc: BMO Tax-Free Money Market Fund; Premier Class Shares	MFIXX
BNY Mellon Funds Trust: BNY Mellon National Municipal Money Market Fund; Class M Shares	MOMXX
Cash Account Trust: Deutsche Tax-Exempt Portfolio; DEU Tax-Exempt Money Fund	DTBXX
Charles Schwab Family of Funds: Schwab AMT Tax-Free Money Fund; Sweep Class Shares	SWFXX
Charles Schwab Family of Funds: Schwab Municipal Money Fund; Sweep Class Shares	SWXXX
Dreyfus AMT-Free Municipal Cash Management Plus; Investor Shares	DVMXX
Fidelity Colchester Street Trust: Tax-Exempt Portfolio; Class I Shares	FTCXX
Fidelity Newbury Street Trust: Fidelity Tax-Exempt Money Market Fund; Tax-Free Money Market Fund	FMOXX
Fidelity Newbury Street Trust: Tax-Exempt Money Market Fund; Daily Money Class	FDEXX
Fidelity Union Street Trust II: Fidelity Municipal Money Market Fund	FTEXX
First American Funds, Inc: Retail Tax Free Obligations Fund; Class Y Shares	FFCXX
General Municipal Money Market Funds, Inc: General Municipal Money Market Fund; Class B Shares	GBMXX
Goldman Sachs Trust: Goldman Sachs Investor Tax-Exempt Money Market Fund; Class I Shares	FTXXX
JPMorgan Trust I: JPMorgan Tax Free Money Market Fund; Premier Shares	VXPXX
JPMorgan Trust II: JPMorgan Municipal Money Market Fund; Service Shares	SJMXX
Legg Mason Partners Institutional Trust: Western Asset Select Tax Free Reserves; Select Shares	CIFXX
Money Market Obligations Trust: Federated Municipal Obligations Fund; Wealth Shares	MOFXX
Money Market Obligations Trust: Federated Tax-Free Obligations Fund; Wealth Shares	TBIXX
Northern Funds: Municipal Money Market Fund	NOMXX
Short-Term Investments Trust: Tax-Free Cash Reserve Portfolio; Institutional Class Shares	TFPXX
T Rowe Price Summit Municipal Funds, Inc: T Rowe Price Summit Municipal Money Market Fund	TRSXX
T Rowe Price Tax-Exempt Money Fund, Inc	PTEXX
TD Asset Management USA Funds Inc: TD Municipal Portfolio; Investor Class Shares	WTMXX
UBS Money Series: UBS Tax-Free Reserves Fund	STFXX
USAA Mutual Funds Trust: Tax Exempt Money Market Fund	USEXX
Vanguard Municipal Bond Funds: Vanguard Municipal Money Market Fund; Investor Shares	VMSXX
Wells Fargo Funds Trust: Wells Fargo National Tax-Free Money Market Fund; Premier Class Shares	WFNXX

**Index Name Full Fund Name**

**Nasdaq Symbol**

**Lipper US Government Money Market Funds Index**

AB Fixed-Income Shares, Inc: AB Government Money Market Portfolio; Class AB Shares	MYMXX
AIM Investment Securities Funds (Invesco Investment Securities Funds): Invesco Govt Mny Mkt Fd; Class CRS Shs	AIMXX
American Century Investment Trust: US Government Money Market Fund; Investor Class Shares	TCRXX
American Funds US Government Money Market Fund; Class A Shares	AFAXX
BIF Money Fund	CMEXX
BMO Funds, Inc: BMO Government Money Market Fund; Class Y Shares	MGYXX
Cavanal Hill Funds: Cavanal Hill Government Securities Money Market Fund; Administrative Class Shares	APCXX
Charles Schwab Family of Funds: Schwab Government Money Fund; Sweep Class Shares	SWGXX
City National Rochdale Funds: City National Rochdale Government Money Market Fund; Class N Shares	CNGXX
Fidelity Hereford Street Trust: Fidelity Government Money Market Fund	SPAXX
Fidelity Phillips Street Trust: Fidelity Government Cash Reserves	FDRXX
First American Funds, Inc: Government Obligations Fund; Class X Shares	FGXXX
Franklin US Government Money Fund; Class A Shares	FMFXX
General Government Securities Money Market Funds, Inc: General Government Securities MM Fund; Class B Shares	GSBXX
HSBC Funds: HSBC US Government Money Market Fund; Class D Shares	HGDXX
JPMorgan Trust II: JPMorgan US Government Money Market Fund; Premier Shares	OGSXX
Money Market Obligations Trust: Federated Government Reserves Fund; Class P Shares	GRFXX
Morgan Stanley US Government Money Market Trust; Class R Shares	DWGXX
Northern Funds: US Government Money Market Fund	NOGXX
Northern Funds: US Government Select Money Market Fund	NOSXX
Oppenheimer Government Money Market Fund, Inc; Class A Shares	OMBXX
RBC Funds Trust: RBC US Government Money Market Fund; RBC Reserve Class Shares	
Ready Assets Government Liquidity Fund	MRAXX
T Rowe Price Government Money Fund, Inc	PRRXX
TD Asset Management USA Funds Inc: TD US Government Portfolio; Investor Class Shares	WTUXX
UBS Money Series: UBS RMA Government Money Market Fund	RMGXX
UBS Money Series: UBS Select Government Capital Fund	SGKXX
Vanguard Money Market Reserves: Vanguard Federal Money Market Fund; Investor Shares	VMFXX
Wells Fargo Funds Trust: Wells Fargo Government Money Market Fund; Service Class Shares	NWGXX
Wilmington Funds: Wilmington US Government Money Market Fund; Service Class Shares	AGAXX

**Index Name    Full Fund Name**

**Nasdaq Symbol**

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**Lipper US Treasury Money Market Funds Index**

American Century Government Income Trust: Capital Preservation Fund; Investor Class Shares	CPFXX
Charles Schwab Family of Funds: Schwab US Treasury Money Fund	SWUXX
Fidelity Hereford Street Trust: Fidelity Treasury Only Money Market Fund	FDLXX
Fidelity Newbury Street Trust: Fidelity Treasury Money Market Fund; Daily Money Class Shares	FDUXX
Gabelli Money Market Funds: Gabelli US Treasury Money Market Fund; Class AAA Shares	GABXX
General Government Securities Money Market Funds, Inc: General Treasury Securities MM Fund; Class B Shares	GTBXX
T Rowe Price US Treasury Funds, Inc: US Treasury Money Fund	PRTXX
USAA Mutual Funds Trust: Treasury Money Market Trust	UATXX
Vanguard Admiral Funds: Vanguard Treasury Money Market Fund; Investor Shares	VUSXX
Wells Fargo Funds Trust: Wells Fargo 100% Treasury Money Market Fund; Service Class Shares	NWTXX

**Index Name Full Fund Name**

**Nasdaq Symbol**

**Closed-End**

**Equity**

**Lipper Closed-End Energy MLP Funds Index**

ClearBridge American Energy MLP Fund Inc	XCBAX
ClearBridge Energy MLP Fund Inc	XCEMX
ClearBridge Energy MLP Total Return Fund Inc	XCTRX
First Trust MLP and Energy Income Fund	XFEIX
Goldman Sachs MLP and Energy Renaissance Fund	XGERX
Kayne Anderson Energy Total Return Fund, Inc	XKYEX
Kayne Anderson Midstream/Energy Fund, Inc	XKMFY
Kayne Anderson MLP Investment Company	XKYNX
Neuberger Berman MLP Income Fund Inc	XNMLX
Nuveen Energy MLP Total Return Fund	XJMFY

**Lipper Closed-End Global Funds Index**

Alpine Total Dynamic Dividend Fund	XAODX
Calamos Global Dynamic Income Fund	XCHWX
Clough Global Equity Fund	XGLQX
Clough Global Opportunities Fund	XGLOX
Delaware Enhanced Global Dividend & Income Fund	XDEWX
Eaton Vance Tax-Advantaged Global Dividend Income Fund	XETGX
Eaton Vance Tax-Advantaged Global Dividend Opportunities Fund	XETOX
John Hancock Hedged Equity & Income Fund	XHEQX
Voya Infrastructure, Industrials & Materials Fund	XIDEX
Wells Fargo Global Dividend Opportunity Fund	XEODX

**Lipper Closed-End Global Income Funds Index**

Aberdeen Asia-Pacific Income Fund, Inc	XFAPX
BrandywineGLOBAL - Global Income Opportunities Fund Inc	XBWGX
Eaton Vance Short Duration Diversified Income Fund	XEVGX
First Trust/Aberdeen Global Opportunity Income Fund	XFAMX
PIMCO Dynamic Credit and Mortgage Income Fund	XPCIX
PIMCO Dynamic Income Fund	XPPIX
PIMCO Income Opportunity Fund	XPKIX
PIMCO Strategic Income Fund, Inc	XRCSX
Templeton Global Income Fund	XGIMX
Western Asset Global Corporate Defined Opportunity Fund Inc	XGDOX

**Index Name Full Fund Name****Nasdaq Symbol****Lipper Closed-End Growth Funds Index**

Alternative Strategies Fund; Class A Shares	LTAFX
Cornerstone Strategic Value Fund, Inc	XCLMX
Eagle Capital Growth Fund, Inc	
Foxby Corp	FXFBX
Gabelli Equity Trust, Inc	XGABX
General American Investors Company, Inc	XGAMX
Liberty All-Star Growth Fund, Inc	XASGX
Royce Micro-Cap Trust, Inc	XOTCX
Royce Value Trust, Inc	XRVTX
Sprott Focus Trust, Inc	XFUNX

**Lipper Closed-End Income & Preferred Funds Index**

Calamos Strategic Total Return Fund	XCSQX
First Trust Intermediate Duration Preferred & Income Fund	XFPFX
Flaherty & Crumrine Preferred Securities Income Fund Incorporated	XFFCX
John Hancock Preferred Income Fund	XHPIX
John Hancock Preferred Income Fund II	XHPFX
John Hancock Preferred Income Fund III	XHPSX
John Hancock Premium Dividend Fund	XPDTX
Nuveen Preferred & Income Opportunities Fund	XJPCX
Nuveen Preferred & Income Securities Fund	XJPSX
Nuveen Preferred and Income Term Fund	XJPIX

**Lipper Closed-End Options Arbitrage/Option Strategies Funds I**

AllianzGI NFJ Dividend, Interest & Premium Strategy Fund	XNFJX
BlackRock Enhanced Equity Dividend Trust	XBDJX
BlackRock Enhanced Global Dividend Trust	XBOEX
Eaton Vance Tax-Managed Buy-Write Opportunities Fund	XETVX
Eaton Vance Tax-Managed Diversified Equity Income Fund	XETYX
Eaton Vance Tax-Managed Global Buy-Write Opportunities Fund	XETWX
Eaton Vance Tax-Managed Global Diversified Equity Income Fund	XEXGX
Nuveen Nasdaq 100 Dynamic Overwrite Fund	XQQQX
Nuveen S&P 500 Buy-Write Income Fund	XBXMV
Voya Global Equity Dividend & Premium Opportunity Fund	XIGDX

**Index Name    Full Fund Name**

**Nasdaq Symbol**

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**Lipper Closed-End Real Estate Index**

Alpine Global Premier Properties Fund	XAWPX
Griffin Institutional Access Real Estate Fund; Class A Shares	GIREX
Neuberger Berman Real Estate Securities Income Fund, Inc	XNROX
Nuveen Diversified Dividend & Income Fund	XJDDX
Nuveen Real Estate Income Fund	XJRSX
Principal Real Estate Income Fund	XPGZX
Resource Real Estate Diversified Income Fund; Class A Shares	RREDX
RMR Real Estate Income Fund	XRIFX
Total Income+ Real Estate Fund; Class A Shares	TIPRX
Versus Capital Multi-Manager Real Estate Income Fund LLC; Class I Shares	VCMIX

**Lipper Closed-End Sector Equity Funds Index**

ASA Gold & Precious Metals Limited	
BlackRock Health Sciences Trust	XBSEX
BlackRock Science and Technology Trust	XBSTX
Central Fund of Canada Limited	
First Trust Specialty Finance & Financial Opportunities Fund	XFGBX
Gabelli Healthcare & WellnessRx Trust	XXGRX
GAMCO Global Gold, Natural Resources & Income Trust	XGGNX
John Hancock Financial Opportunities Fund	XBTOX
Nuveen Real Asset Income and Growth Fund	XJRIX
SharesPost 100 Fund; Class A Shares	PRIVX

**Index Name Full Fund Name**

**Nasdaq Symbol**

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**Fixed Income**

**Lipper Closed-End California Municipal Funds Index**

BlackRock California Municipal Income Trust	XBFXZ
BlackRock MuniHoldings California Quality Fund, Inc	XMUCX
BlackRock MuniYield California Fund, Inc	XMYCX
BlackRock MuniYield California Quality Fund, Inc	XMCAx
Eaton Vance California Municipal Bond Fund	XEVmX
Invesco California Value Municipal Income Trust	XVcVX
Nuveen California AMT-Free Quality Municipal Income Fund	XNCmX
Nuveen California Municipal Value Fund, Inc	XNCAX
Nuveen California Quality Municipal Income Fund	XNACX
PIMCO California Municipal Income Fund II	XPCKX

**Lipper Closed-End Core Funds Index**

Adams Diversified Equity Fund	XADEx
Advent/Claymore Enhanced Growth & Income Fund	XLcMx
Central Securities Corporation	
Eagle Capital Growth Fund, Inc	
Guggenheim Enhanced Equity Income Fund	XGPMX
Liberty All-Star Equity Fund	XUSAX
Royce Micro-Cap Trust, Inc	XOTcX
Royce Value Trust, Inc	XRVTX
Special Opportunities Fund, Inc	
Tri-Continental Corporation	XTYcX

**Lipper Closed-End Corporate Debt BBB Leveraged Funds Index**

BlackRock Core Bond Trust	XBHkX
BlackRock Credit Allocation Income Trust	XBtZx
BlackRock Enhanced Government Fund, Inc	XEGFX
John Hancock Income Securities Trust	XJHSX
Western Asset Premier Bond Fund	XWEAX
Western Asset/Claymore Inflation Linked Opportunities & Income Fund	XWIWx
Western Asset/Claymore Inflation Linked Securities & Income Fund	XWIAX



**Index Name    Full Fund Name**

**Nasdaq Symbol**

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**Lipper Closed-End Emerging Market Debt Funds Index**

Morgan Stanley Emerging Markets Debt Fund, Inc	XMSDX
Morgan Stanley Emerging Markets Domestic Debt Fund, Inc	XEDDX
Stone Harbor Emerging Markets Income Fund	XEDFX
Stone Harbor Emerging Markets Total Income Fund	XEDIX
Templeton Emerging Markets Income Fund	XTEIX
Western Asset Emerging Markets Debt Fund Inc	XEMDX

**Lipper Closed-End Emerging Markets Funds Index**

Aberdeen Latin America Equity Fund, Inc	XLAQX
Central and Eastern Europe Fund, Inc	XCEEX
China Fund, Inc	
India Fund, Inc	XIFNX
Mexico Fund, Inc	
Morgan Stanley China A Share Fund, Inc	XCAFX
Morgan Stanley Emerging Markets Fund, Inc	XMSFX
Morgan Stanley India Investment Fund, Inc	XIIFX
Templeton Dragon Fund, Inc	XTDFX
Templeton Emerging Markets Fund	XEMFX

**Index Name    Full Fund Name**

**Nasdaq Symbol**

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**Lipper Closed-End General Bond Funds Index**

Apollo Tactical Income Fund Inc	XAIFX
Ares Dynamic Credit Allocation Fund, Inc	XADCX
BlackRock Multi-Sector Income Trust	XBITX
BlackRock Taxable Municipal Bond Trust	XBBNX
Capstone Church Capital Fund	XCBFX
Deutsche Multi-Market Income Trust	XKMMX
Deutsche Strategic Income Trust	XKSTX
DoubleLine Funds: DoubleLine Opportunistic Credit Fund	XDBLX
Duff & Phelps Utility & Corporate Bond Trust Inc	XDUCX
Eaton Vance Limited Duration Income Fund	XEVVX
Franklin Limited Duration Income Trust	
GL Beyond Income Fund	GLBFX
Guggenheim Credit Allocation Fund	XGGMX
John Hancock Investors Trust	XJHIX
KKR Income Opportunities Fund	XKIOX
MFS Charter Income Trust	XMCRX
MFS Multimarket Income Trust	XMMTX
Nuveen Build America Bond Fund	XNBBX
Nuveen Build America Bond Opportunity Fund	XNBDX
Palmer Square Opportunistic Income Fund	PSOIX
PCM Fund, Inc	XPCMX
PIMCO Corporate & Income Opportunity Fund	XPTYX
PIMCO Corporate & Income Strategy Fund	XPCNX
PIMCO High Income Fund	XPHKX
PIMCO Income Strategy Fund	XPFLX
PIMCO Income Strategy Fund II	XPFNIX
Putnam Master Intermediate Income Trust	XPIMX
Putnam Premier Income Trust	XPPTX
Resource Credit Income Fund; Class A Shares	RCIAX
Wells Fargo Multi-Sector Income Fund	XERCX

**Index Name Full Fund Name**

**Nasdaq Symbol**

**Lipper Closed-End General Leveraged Municipal Debt Funds In**

BlackRock Municipal 2030 Target Term Trust	XBTTX
BlackRock Municipal Income Quality Trust	XBYMX
BlackRock Municipal Income Trust	XBFKX
BlackRock MuniHoldings Investment Quality Fund	XMFLX
BlackRock MuniVest Fund, Inc	XMVFX
BlackRock MuniYield Fund, Inc	XMYDX
BlackRock MuniYield Quality Fund III, Inc	XMYIX
BlackRock MuniYield Quality Fund, Inc	XMQYX
Deutsche Municipal Income Trust	XKTFX
Dreyfus Strategic Municipal Bond Fund, Inc	XDSMX
Dreyfus Strategic Municipals, Inc	XLEOX
Eaton Vance Municipal Bond Fund	XEIMX
Invesco Advantage Municipal Income Trust II	XVKIX
Invesco Municipal Opportunity Trust	XVMOX
Invesco Municipal Trust	XVKQX
Invesco Quality Municipal Income Trust	XIQIX
Invesco Trust For Investment Grade Municipals	XVGMX
Invesco Value Municipal Income Trust	XIIMX
MainStay DefinedTerm Municipal Opportunities Fund	XMMDX
Nuveen AMT-Free Municipal Credit Income Fund	XNVGX
Nuveen AMT-Free Quality Municipal Income Fund	XNEAX
Nuveen Enhanced Municipal Credit Income Fund	XNZFX
Nuveen Enhanced Municipal Value Fund	XNEVX
Nuveen Intermediate Duration Municipal Term Fund	XNIDX
Nuveen Municipal Value Fund, Inc	XNUVX
Nuveen Quality Municipal Income Fund	XNADX
PIMCO Municipal Income Fund II	XPMLX
PIMCO Municipal Income Fund III	XPMQX
Putnam Municipal Opportunities Trust	XPMOX
Western Asset Managed Municipals Fund Inc	XMMUX

**Index Name Full Fund Name**

**Nasdaq Symbol**

**Lipper Closed-End High Yield Leveraged Bond Funds Index**

Aberdeen Income Credit Strategies Fund	XACPX
AllianceBernstein Global High Income Fund, Inc	XAWFX
Barings Global Short Duration High Yield Fund	XBGHX
BlackRock Corporate High Yield Fund, Inc	XHYTX
BlackRock Limited Duration Income Trust	XBLWX
Credit Suisse High Yield Bond Fund	XDHYX
Deutsche High Income Opportunities Fund, Inc	XDHGX
DoubleLine Income Solutions Fund	XDSLX
Dreyfus High Yield Strategies Fund	XDHFX
First Trust Strategic High Income Fund II	XFHYX
Franklin Universal Trust	XFUTX
Guggenheim Strategic Opportunities Fund	XGOFX
Invesco High Income Trust II	XVLTX
MFS Intermediate High Income Fund	XCIFX
Neuberger Berman High Yield Strategies Fund Inc	XNHSX
NexPoint Credit Strategies Fund	XNHFX
Nuveen Global High Income Fund	XJGHX
Nuveen High Income 2020 Target Term Fund	XJHYX
Nuveen High Income December 2018 Target Term Fund	XJHAX
Nuveen High Income December 2019 Target Term Fund	XJHDX
Pioneer Diversified High Income Trust	XHNWX
Pioneer High Income Trust	XPHTX
Pioneer ILS Interval Fund	XILSX
Prudential Global Short Duration High Yield Fund, Inc	XGHYX
Prudential Short Duration High Yield Fund, Inc	XISDX
Wells Fargo Income Opportunities Fund	XEADX
Western Asset Global High Income Fund Inc	XEHIX
Western Asset High Income Fund II Inc	XHGIX
Western Asset Middle Market Debt Fund Inc	XWAMX
Western Asset Middle Market Income Fund Inc.	XWMFX

**Index Name Full Fund Name****Nasdaq Symbol****Lipper Closed-End High Yield Municipal Funds Index**

BlackRock MuniAssets Fund, Inc	XMUAX
Deutsche Strategic Municipal Income Trust	XKSMX
Invesco Municipal Income Opportunities Trust	XOIAX
MFS High Income Municipal Trust	XCXEX
MFS Municipal Income Trust	XMFMX
Nuveen Municipal High Income Opportunity Fund	XNMZX
Pioneer Municipal High Income Advantage Trust	XPMAX
Pioneer Municipal High Income Trust	XMHIX
Putnam Managed Municipal Income Trust	XPMMX
Western Asset Municipal High Income Fund Inc	XMHFX

**Lipper Closed-End Investment Grade Funds Index**

BlackRock Core Bond Trust	XBHKX
BlackRock Credit Allocation Income Trust	XTBZX
Insight Select Income Fund	
Invesco Bond Fund	XVBFX
John Hancock Income Securities Trust	XJHSX
MFS Government Markets Income Trust	XMGFX
MFS Intermediate Income Trust	XMINX
Western Asset Investment Grade Defined Opportunity Trust Inc	XIGIX
Western Asset/Claymore Inflation Linked Opportunities & Income Fund	XWIWX
Western Asset/Claymore Inflation Linked Securities & Income Fund	XWIAX

**Lipper Closed-End Loan Participation Funds Index**

BlackRock Floating Rate Income Strategies Fund, Inc	XFRAX
Blackstone / GSO Strategic Credit Fund	XBGBX
Eaton Vance Floating-Rate Income Trust	XEFTX
Eaton Vance Senior Floating-Rate Trust	XEFRX
Invesco Dynamic Credit Opportunities Fund	XVTAX
Invesco Senior Income Trust	XVVRX
Invesco Senior Loan Fund; Class IB Shares	XPRTX
Nuveen Credit Strategies Income Fund	XJQCX
Nuveen Floating Rate Income Fund	XJFRX
Voya Prime Rate Trust	XPPRX

**Index Name    Full Fund Name**

**Nasdaq Symbol**

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**Lipper Closed-End New York Municipal Debt Funds Index**

BlackRock MuniHoldings New York Quality Fund, Inc	XMHNX
BlackRock MuniYield New York Quality Fund, Inc	XMYNX
BlackRock New York Municipal Income Quality Trust	XBSEX
BlackRock New York Municipal Income Trust	XBNYX
Eaton Vance New York Municipal Bond Fund	XENWX
Invesco Trust For Investment Grade New York Municipals	XVTNX
Nuveen New York AMT-Free Quality Municipal Income Fund	XNRKX
Nuveen New York Municipal Value Fund, Inc	XNNYX
Nuveen New York Quality Municipal Income Fund	XNANX
PIMCO New York Municipal Income Fund II	XPNIX

**Lipper Closed-End Other States Municipal Debt Funds Index**

BlackRock MuniYield Michigan Quality Fund, Inc	XMIYX
Delaware Investments Minnesota Municipal Income Fund II, Inc	XVMMX
Nuveen Arizona Quality Municipal Income Fund	XNAZX
Nuveen Connecticut Quality Municipal Income Fund	XNTCX
Nuveen Maryland Quality Municipal Income Fund	XNMYX
Nuveen Michigan Quality Municipal Income Fund	XNUMX
Nuveen North Carolina Quality Municipal Income Fund	XNNCX
Nuveen Ohio Quality Municipal Income Fund	XNUOX
Nuveen Texas Quality Municipal Income Fund	XNTSX
Nuveen Virginia Quality Income Municipal Fund	XNPVX

**Variable**

**General Variable**

**Lipper Variable Annuity Balanced Funds Index**

Ameritas Lf Ins Co Sep Acct LLVL: Vanguard VIF Balanced; Inv Sh CI/Low-Load VUL  
 Ameritas Var Sep Acct VA-2: Calvert VP SRI Balanced/Ovrtr Medley! VA  
 College Retirement Equities Fund: Social Choice Acct  
 Minnesota Lf VA Acct: Ivy Fds VIP Balanced//MultiOption Ann Flex VA  
 NML VA Acct B: Russell Inv Fd Balanced Strategy/Front Load ED  
 Ohio National Var Acct A: MFS Var Ins Tr Total Return; Svc CI/OnCore Lite VA  
 Ohio Natl Var Acct A: Janus Aspen Balanced; Svc/ONcore Lite CI C  
 Ohio Natl Var Acct A: Ohio Natl Fd Balanced/ONcore Val CI B  
 Prudential Var Apprec Acct: Pru Srs Fd Conservative Balanced; CI I/VAL VL  
 Union Security Var Acct C: Hartford Advisers HLS; CI IA/Wall St VUL 500

**Lipper Variable Annuity Capital Appreciation Funds Index**

Am Natl VA Sep Acct: Alger Capital Appreciation; CI I-2/WithQuest III Grp Unallocated VA CI B  
 Ameritas Lf Ins Co Sep Acct LLVL: Rydex Var Tr NASDAQ-100/Low-Load VUL  
 Ameritas Lf Ins Co Sep Acct LLVL: Rydex Var Tr Nova/Low-Load VUL  
 John Hancock VL Acct S: John Hancock Tr Optimized Value; NAV/Majestic Var COLI VL  
 John Hancock VL Acct S: M Fund M Capital Appreciation/Majestic VUL 98  
 NML VL Acct: Russell Inv Fd Aggressive Equity/Var CompLife VL  
 Ohio National Var Acct A: Wells Fargo Advantage VT Discovery/OnCore Premier VA  
 Ohio Natl Var Acct A: Ohio Natl Fd Aggressive Growth/ONcore Lite CI C  
 Pacific Select Sep Acct: Pacific Select Fd Growth LT/Select VA  
 Pruco Lf Flex Prem VA Acct: Janus Aspen Janus; Inst Shs/Discovery Select VA

**Lipper Variable Annuity Core Bond Funds Index**

Ameritas Var Sep Acct VA-2: VIP V Investment Grade Bond; Svc CI 2/Ovrtr Medley! VA  
 College Retirement Equities Fund: Bond Market Acct  
 Hartford Lf Ins Co Sep Acct VL I: Putnam VT Income; CI IA/Stag VL  
 Hartford Lf Ins Co Sep Acct VL I: Putnam VT Income; CI IA/Stag VL Artisan  
 Hartford Lf Ins Co Sep Acct VL II: Putnam VT Income; CI IA/Stag VL Last Survivor  
 John Hancock VL Acct S: John Hancock Tr Investment Quality Bond; NAV/Majestic Var COLI VL  
 John Hancock VL Acct UV: John Hancock Tr Total Bond Market B; NAV/Flex-V1 VL  
 NML VA Acct B: Northwestern Mutual Select Bond/Front Load ED VA  
 Union Security Var Acct C: Hartford Total Return Bond HLS; CI IA/Wall St VUL 220  
 Union Security Var Acct C: Hartford Total Return Bond HLS; CI IA/Wall St VUL 500

**Lipper Variable Annuity Corporate Debt Funds-A Rated Index**

AIG Lf Var Acct I: AllianceBernstein VP Intermediate Bond; CI A//Alliance Gallery VA  
 AIG Lf Var Acct I: BlackRock Var Srs Fd Total Return VI; CI I CS//Trilogy VA  
 Amer General Lf Ins Co Sep Acct VL-R: Dreyfus Var Inv Fd Quality Bond; Init Shs//Plat Inv III VL  
 KILICO VA Sep Acct: DWS I Bond; CI A/Kemper Advtg III VA  
 Mass Mutual VA Sep Acct 1: MML Srs Inv Fd II Managed Bond; Initial/Flex Extra VA  
 Minnesota Lf VA Acct: Advantus Srs Fd Bond; CI 2 Shs//MultiOption Adv VA

**Lipper Variable Annuity Corporate Debt Funds-BBB Rated Inde**

Allstate Finl Advisors Sep Acct I: MS Var Inv Srs Income Plus; CI X/MS VA II AsstMgr DB  
 Amer General Lf Ins Co Sep Acct D: Principal Income; CI 1 Shs//WM Advtg VA  
 Nationwide MFS Var Acct: MFS Bond; CI A//MFS Spectrum VA  
 NML VA Acct B: Russell Inv Fd Core Bond/Front Load ED VA  
 Ohio National Var Acct A: Ohio Natl Fd Bond/OnCore Premier VA  
 Phx Lf Var Accum Acct: Sentinel VPT Bond/Big Edge VA CI B  
 Thrivent VA Acct B: Thrivent Srs Fd Income/VA

**Lipper Variable Annuity Emerging Markets Funds Index**

Ameritas Var Sep Acct VA-2: Univ Inst Fd Emerging Markets Equity; CI I/Ovrtr Medley! VA  
 Jackson National Sep Acct-I: JNL/American Funds New World; CI A/Perspective II CI B  
 Jackson National Sep Acct-I: JNL/Lazard Emerging Markets; CI A/Perspective II VA  
 Jackson National Sep Acct-I: JNL/PAM China-India; CI A/Perspective II VA  
 Minnesota Lf VA Acct: Franklin Temp VIP Tr Developing Markets Securities; CI 2//MultiOption Adv VA  
 Nationwide Var Acct-II: Van Eck VIP Trust Emerging Markets; Init CI/BOA IV VA  
 NML VA Acct B: Northwestern Emerging Markets Equity/Front Load ED  
 Ohio National Var Acct A: Lazard Ret Emerging Markets Equity; Svc CI/OnCore Value VA

**Lipper Variable Annuity Equity Income Funds Index**

AIG Lf Var Acct I: BlackRock Var Srs Fd Equity Dividends VI; CI I CS//Trilogy VA  
 Amer General Lf Ins Co Sep Acct D: Principal Equity Income; CI 1 Shs//WM Strat Asst Mgr VA  
 Ameritas Lf Ins Co Sep Acct LLVL: Vanguard VIF Equity Income; Inv Sh CI/Low-Load VUL  
 AXA Equitable Sep Acct A: EQ Adv Tr EQ/Boston Advisors Equity Income; CI IB//Equi-Vest 1/2 VA  
 John Hancock VL Acct S: John Hancock Tr Equity-Income; NAV/Majestic Var COLI VL  
 Nationwide Provident VLI Sep Acct 1: Nationwide Van Kampen NVIT Comstock Value; CI IV/Optn Prmr VUL  
 Nationwide Var Acct-II: VIP Equity-Income; Init CI/BOA IV VA  
 NML VA Acct B: Northwestern Mutual Equity Income/Front Load ED VA  
 Ohio National Var Acct A: Legg Mason CBA Var Equity Income Builder; CI I/OnCore Value VA  
 Pruco Lf Flex Prem VA Acct: T Rowe Price Eqty Srs Equity Income/Discovery Select VA



**Lipper Variable Annuity Flexible Portfolio Funds Index**

Allstate Finl Advisors Sep Acct I: Putnam VT Global Asset Allocation; CI IB/Putnam Allstate Adv VA  
 Am Natl VA Sep Acct: VIP V T Rowe Price Eq Personal Strategy Balanced/WithQuest III Grp Unallocated VA CI B  
 Amer General Lf Ins Co Sep Acct VUL-2: VIP V Asset Manager: Growth; Init CI/EquiBldr II/III VUL  
 Ameritas Var Sep Acct VA-2: Univ Inst Fd Global Tactical Asset Allocation; CI I/Ovrtr Medley! VA  
 JNL Sep Acct-I: JNL/IVY Asset Strategy; CI A/Perspective II CI B  
 Nationwide Provident VLI Sep Acct 1: VIP V Asset Manager; Init CI/Optn PI VL  
 NML VA Acct B: Northwestern Mutual Asset Allocation/Back Load ED VA  
 NML VA Acct B: Northwestern Mutual Balanced/Back Load VA  
 Ohio National Var Acct A: Ohio Natl Fd Omni/Top Tradition A VA  
 PHL Var Accum Acct: Phoenix Edge Strategic Allocation/Big Edge Choice VA

**Lipper Variable Annuity General Bond Funds Index**

Allstate Finl Advisors Sep Acct I: Putnam VT Diversified Income; CI IB/Putnam Allstate Adv VA  
 John Hancock VL Acct U: John Hancock Tr Active Bond; NAV/VLI II  
 KILICO VA Sep Acct: DWS II Strategic Income; CI A/Scudder Destinations VA  
 KILICO VA Sep Acct: Franklin Temp VIP Tr Franklin Strategic Income Securities; CI 2/Kemper Advtg III VA  
 Nationwide Var Acct-9: Nationwide NVIT Multi Sector Bond; CI I/BOA Amer Future VA  
 NML VA Acct B: Northwestern Mutual Multi-Sector Bond/Fee Based VA  
 PHL Var Accum Acct: Phoenix Edge Multi-Sector Fixed Income/Big Edge Choice VA

**Lipper Variable Annuity Global Funds Index**

Ameritas Var Sep Acct VA-2: Invesco Van Kampen VI Global Value Equity; CI I/Ovrtr Medley! VA  
 College Retirement Equities Fund: Global Equities Acct  
 College Retirement Equities Fund: Stock Acct  
 Hartford Lf Ins Co Sep Acct VL II: Putnam VT Global Equity; CI IA/Stag VL Last Survivor  
 Ohio Natl Var Acct A: Janus Aspen Worldwide; Svc/ONcore Lite CI C  
 Phoenix Lf Var Accum Acct: Franklin Temp VIP Tr Templeton Growth Securities; CI 1/Templeton Inv PI VA  
 Prudential Var Apprec Acct: Pru Srs Fd Global; CI I/Custm VAL 100 VL  
 Union Central Carillon Acct: Oppenheimer Global Securities/VA; Non-Svc Shs//VA CI 1  
 Union Security Var Acct C: Hartford Global Growth HLS; CI IA/Wall St VUL 220  
 Union Security Var Acct C: Hartford Global Growth HLS; CI IA/Wall St VUL 500

**Index Name    Full Fund Name**

**Nasdaq Symbol**

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**Lipper Variable Annuity Global Income Funds Index**

Ameritas Var Sep Acct VL: Oppenheimer Global Strategic Income/VA; Non-Svc Shs/Allocator 2000 VUL  
Jackson National Sep Acct-I: JNL/American Funds Global Bond; CI A/Perspective II CI B  
John Hancock VL Acct S: John Hancock Tr Global Bond; NAV/Majestic Var COLI VL  
John Hancock VL Acct S: John Hancock Tr Strategic Income Opp; NAV/Majestic Var COLI VL  
Lincoln Benefit Lf VA Acct: PIMCO VIT Foreign Bond (US Dollar-Hedged); Admn CI/Premier Planner VA  
Minnesota Lf VA Acct: Advantus Srs Fd International Bond; CI 2 Shs//MultiOption Ann Flex VA  
Nationwide Var Acct-9: Univ Inst Fd Emerging Markets Debt; CI I/BOA Amer Future VA  
Nationwide Var Acct-II:Van Eck VIP Trust Global Bond; Initial CI/BOA IV VA  
Ohio National Var Acct A: PIMCO VIT Global Bond (Unhedged); Admn CI/OnCore Lite VA  
Phoenix Lf Var Accum Acct: Franklin Temp VIP Tr Global Bond Securities; CI 1/Templeton Inv PI VA

**Lipper Variable Annuity Growth & Income Funds Index**

Am Natl VA Sep Acct: VIP V Freedom 2020; Svc CI 2/WithQuest III Grp Unallocated VA CI B  
 Am Natl VA Sep Acct: VIP V Freedom 2025; Svc CI 2/WithQuest III Grp Unallocated VA CI B  
 Am Natl VA Sep Acct: VIP V Freedom 2030; Svc CI 2/WithQuest III Grp Unallocated VA CI B  
 Amer General Lf Ins Co Sep Acct D: Principal SAM Conservative Growth; CI 1 Shs/WM Strat Asst Mgr VA  
 Ameritas Var Sep Acct VA-2: Amer Cent VP Income & Growth; CI I/Ovrtr Medley! VA  
 College Retirement Equities Fund: Equity Index Acct  
 Minnesota Lf VA Acct: Franklin Temp VIP Tr Mutual Shares Securities; CI 2//MultiOption Adv VA  
 Minnesota Lf VA Acct: Invesco Van Kampen VI Comstock; CI II//MultiOption Adv VA  
 Minnesota Lf VA Acct: Invesco Van Kampen VI Growth & Income; CI II//MultiOption Adv VA  
 Nationwide MFS Var Acct: Massachusetts Investors Trust; CI A/MFS Spectrum VA  
 Nationwide Provident VLI Sep Acct 1: Nationwide NVIT Nationwide; CI IV/Optn VL  
 Nationwide Var Acct-9: Oppenheimer Main Street/VA; Non-Svc Shs/BOA Amer Future VA  
 Nationwide Var Acct-II: Dreyfus Socially Responsible Growth; Init Shs/BOA IV VA  
 Nationwide Var Acct-II: Dreyfus Var Inv Fd Growth & Income; Init Shs/BOA IV VA  
 NML VA Acct B: Russell Inv Fd Growth Strategy/Front Load ED  
 NML VL Acct: Northwestern Mutual Domestic Equity/Var CompLife VL  
 NML VL Acct: Northwestern Mutual Large Cap Core Stock/Var CompLife VL  
 NML VL Acct: Russell Inv Fd Multi-Style Equity/Var CompLife VL  
 Ohio National Var Acct A: Legg Mason CBA Var Large Cap Value; CI I/OnCore Value VA  
 Ohio Natl Var Acct A: GS Var Ins Tr Large Cap Value; Inst/ONcore Lite CI C  
 Ohio Natl Var Acct A: GS Var Ins Tr Structured US Equity; Inst/ONcore Lite CI C  
 Ohio Natl Var Acct A: Ohio Natl Fd Mid Cap Oppty/ONcore Lite CI C  
 Ohio Natl Var Acct A: Ohio Natl Fd Strategic Value/ONcore Lite CI C  
 Pacific Select Exec Sep Acct: Pacific Select Fd Large-Cap Growth/Select Exec VUL  
 PHL Var Accum Acct: Phoenix Edge Growth & Income/Big Edge Choice VA  
 Pruco Lf Flex Prem VA Acct: Amer Cent VP Value; CI I/Discovery Select VA  
 Pruco Lf Flex Prem VA Acct: Invesco VI Core Equity; Srs I/Discovery Select VA  
 Prudential Var Apprec Acct: Pru Srs Fd Flexible Managed; CI I/VAL VL  
 Union Security Var Acct C: Hartford Disciplined Equity HLS; CI IA/Wall St VUL 220  
 Union Security Var Acct C: Hartford Disciplined Equity HLS; CI IA/Wall St VUL 500

**Lipper Variable Annuity Growth Funds Index**

College Retirement Equities Fund: Growth Acct  
 John Hancock VL Acct U: John Hancock Tr Optimized All Cap; NAV/VLI II  
 Nationwide MFS Var Acct: Massachusetts Investors Growth Stock; CI A/MFS Spectrum VA  
 Nationwide Var Acct-9: Dreyfus Var Inv Fd Appreciation; Init Shs/BOA Amer Future VA  
 Nationwide Var Acct-II: VIP Growth; Init CI/BOA IV VA  
 NML VA Acct B: Northwestern Mutual Focused Appreciation/Front Load ED VA  
 NML VA Acct B: Northwestern Mutual Large Company Value/Front Load ED  
 NML VA Acct B: Northwestern NB AMT Socially Responsive/Front Load ED  
 NML VA Acct B: VIP II Contrafund; Svc CI 2/Front Load ED  
 NML VL Acct: Northwestern Mutual Growth Stock/Var CompLife VL  
 Ohio National Var Acct A: JPMorgan Ins Tr Mid Cap Value; CI 1/OnCore Lite VA  
 Ohio National Var Acct A: Ohio Natl Fd Bristol/OnCore Lite VA  
 Ohio National Var Acct A: Ohio Natl Fd Bryton Growth/OnCore Lite VA  
 Ohio Natl Var Acct A: Ohio Natl Fd Bristol Growth/ONcore Lite CI C  
 Ohio Natl Var Acct A: Ohio Natl Fd Cap Appreciation/ONcore Lite CI C  
 Ohio Natl Var Acct A: Ohio Natl Fd Eq/ONcore Lite CI C  
 Ohio Natl Var Acct A: Ohio Natl Fd Nasdaq 100 Indx/ONcore Lite CI C  
 Ohio Natl Var Acct A: Prudential Jennison 20/20 Focus; CI II/ONcore Lite CI C  
 Pacific Select Exec Sep Acct: M Fund M Large Cap Value/Select Exec VUL  
 Pacific Select Exec Sep Acct: Pacific Select Fd Comstock/Select Exec VUL  
 Pruco Lf Flex Prem VA Acct: MFS Var Ins Tr Growth; Init CI/Discovery Select VA  
 Pruco Lf Flex Prem VA Acct: Pru Srs Fd 20/20 Focus; CI I/Discovery Select VA  
 Pruco Lf Var Univ Acct: Pru Srs Fd SP Prudential US Emerging Growth/PruLife Cust Prem VUL  
 Prudential Var Apprec Acct: Pru Srs Fd Equity; CI I/Custm VAL 100 VL  
 Prudential Var Apprec Acct: Pru Srs Fd Equity; CI I/Custom VAL VL  
 Prudential Var Apprec Acct: Pru Srs Fd Jennison; CI I/Custm VAL 100 VL  
 Prudential Var Apprec Acct: Pru Srs Fd Jennison; CI I/Custom VAL VL  
 Prudential Var Apprec Acct: Pru Srs Fd Value; CI I/Custm VAL 100 VL  
 Prudential Var Apprec Acct: Pru Srs Fd Value; CI I/Custom VAL VL  
 TIAA Sep Acct VA-1: Stock Index/Teachers Personal Annuity VA

**Index Name    Full Fund Name**

**Nasdaq Symbol**

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**Lipper Variable Annuity High Yield Funds Index**

Allstate Finl Advisors Sep Acct I: Putnam VT High Yield; CI IB/Putnam Allstate Adv VA  
Am Natl VA Sep Acct: Federated High Income Bond II; Primary/WithQuest III Grp Unallocated VA CI B  
Ameritas Lf Ins Co Sep Acct LLVL: Vanguard VIF High Yield Bond; Inv Sh CI/Low-Load VUL  
Ameritas Var Sep Acct VA-2: VIP High Income; Svc CI 2/Ovrtr Medley! VA  
John Hancock VL Acct S: John Hancock Tr High Yield; NAV/Majestic Var COLI VL  
NML VA Acct B: Northwestern Mutual High Yield Bond/Front Load ED VA  
Ohio Natl Var Acct A: Ohio Natl Fd High Income Bd/ONcore Lite CI C  
Pacific Select Sep Acct: Pacific Select Fd High Yield Bond/Select VA  
Pruco Lf Var Apprec Acct: Pru Srs Fd High Yield Bond; CI I/VUL  
Union Security Var Acct C: Hartford High Yield HLS; CI IA/Wall St VUL 220

**Lipper Variable Annuity Income Funds Index**

Am Natl VA Sep Acct: VIP V Fundsmanager 20%; Svc CI 2/WithQuest III Grp Unallocated VA CI B  
Am Natl VA Sep Acct: Federated Cap Income II/WithQuest III Grp Unallocated VA CI B  
Amer General Lf Ins Co Sep Acct D: Principal SAM Flexible Income; CI 1 Shs/WM Strat Asst Mgr VA  
Jackson National Sep Acct-I: JNL/Franklin Templeton Income; CI A/Perspective II VA  
Jackson National Sep Acct-I: JNL/S&P Managed Conservative; CI A/Perspective II VA  
John Hancock VL Acct S: John Hancock Tr Lifestyle Conservative; NAV/Majestic Var COLI VL  
NML VA Acct B: Russell Inv Fd Moderate Strategy/Front Load ED  
Ohio Natl Var Acct A: Franklin Temp VIP Tr Franklin Income Securities; CI 2/ONcore Lite CI C  
Ohio Natl Var Acct D: FIVIT Ibbotson Conservative ETF Asset Allocation; CI II/Ret Advtg CI B  
Thrivent VA Acct A: Thrivent Srs Fd Diversified Income Plus/Thrivent VA Acct A

**Lipper Variable Annuity International Funds Index**

Amer General Lf Ins Co Sep Acct VL-R: VALIC Co I International Equities//Plat Inv III VL  
 Ameritas Lf Ins Co Sep Acct LLVL: Vanguard VIF International; Inv Sh CI/Low-Load VUL  
 Hartford Lf Ins Co Sep Acct VL I: Hartford International Opportunities HLS; CI IA/Stag VL  
 Hartford Lf Ins Co Sep Acct VL I: Hartford International Opportunities HLS; CI IA/Stag VL Artisan  
 Hartford Lf Ins Co Sep Acct VL II: Putnam VT International Growth; CI IA/Stag VL Last Survivor  
 Hartford Lf Ins Co Sep Acct VL II: Putnam VT International Value; CI IA/Stag VL Last Survivor  
 IL Ann & Ins Co Sep Acct 1: First Eagle Var Fd Overseas Variable/Visionary Choice VA  
 John Hancock VL Acct S: John Hancock Tr International Value; NAV/Majestic Var COLI VL  
 John Hancock VL Acct S: M Fund M International Equity/Majestic Var Est Prot 98 VL  
 John Hancock VL Acct UV: John Hancock Tr International Equity Index B; NAV/Flex-V1 VL  
 Minnesota Lf VA Acct: Ivy Fds VIP International Core Equity//MultiOption Adv VA  
 Minnesota Lf VA Acct: Panorama Srs Fd Oppenheimer International Growth/VA; Svc Shs//MultiOption Adv VA  
 Nationwide Provident VLI Sep Acct 1: Nationwide NVIT Multi-Manager International Value; CI IV/Optn PI VL  
 Nationwide Var Acct-II: VIP Overseas; Init CI/BOA IV VA  
 NML VA Acct B: Northwestern Mutual International Growth/Front Load ED VA  
 NML VA Acct B: Northwestern Mutual Research International Core/Front Load ED  
 NML VL Acct: Northwestern Mutual International Equity/Var CompLife VL  
 NML VL Acct: Russell Inv Fd Non-U S/Var CompLife VL  
 Ohio Natl Var Acct A: Franklin Temp VIP Tr Temp Foreign Securities; CI 4/ONcore Lite CI C  
 Ohio Natl Var Acct A: Janus Aspen Overseas; Svc/ONcore Lite CI C  
 Ohio Natl Var Acct A: Lazard Ret International Equity; Svc CI/ONcore Lite CI C  
 Ohio Natl Var Acct A: Ohio Natl Fd International Sm-Mid Co/ONcore Lite CI C  
 Ohio Natl Var Acct A: Ohio Natl Fd International/ONcore Lite CI C  
 Pacific Select Sep Acct: Pacific Select Fd International Value/Select VA  
 PHL Var Accum Acct: Phoenix Edge Aberdeen International/Premium Edge VA  
 PHL Var Accum Acct: Wanger International/Big Edge Choice VA  
 Pruco Lf Var Univ Acct: Pru Srs Fd SP International Growth; CI I/PruLife Cust Prem VUL  
 Pruco Lf Var Univ Acct: T Rowe Price Intl Srs International Stock/Prusel II VUL  
 Union Central Carillon Acct: Calvert VP EAFE International Index; Cls I Shs//Advantage VA III  
 Union Central Carillon Acct: DWS I International; CI A//VA CI 1

**Lipper Variable Annuity Mid-Cap Funds Index**

Allstate Finl Advisors Sep Acct I: Invesco Van Kampen VI Capital Growth; CI I/MS VA II Enhcd  
 Am Natl VA Sep Acct: Alger Mid Cap Growth; CI I-2/WlthQuest III Grp Unallocated VA CI B  
 Ameritas Lf Ins Co Sep Acct LLVL: NB AMT Mid-Cap Growth; CI I/Low-Load SVUL  
 Ameritas Lf Ins Co Sep Acct LLVL: Vanguard VIF Mid-Cap Index; Inv Sh CI/Low-Load VUL  
 Ameritas Var Sep Acct VA-2: Calvert VP S&P MidCap 400 Index; Cls I Shs/Ovrtr Medley! VA  
 Ameritas Var Sep Acct VA-2: Calvert VP SRI Mid Cap Growth/Ovrtr Medley! VA  
 John Hancock VL Acct S: John Hancock Tr Mid Cap Index; NAV/Majestic Var COLI VL  
 John Hancock VL Acct S: John Hancock Tr Mid Cap Stock; NAV/Majestic Var COLI VL  
 John Hancock VL Acct S: John Hancock Tr Mid Value; NAV/Majestic Var COLI VL  
 John Hancock VL Acct S: John Hancock Tr Small Cap Value; NAV/Majestic Var Est Prot 98 VL  
 Lincoln Benefit Lf VA Acct: Janus Aspen Enterprise; Inst Shs/Inv Sel VA  
 Lincoln Benefit Lf VA Acct: T Rowe Price Eqty Srs Mid-Cap Growth/Consultant I VA EI  
 Lincoln Benefit Lf VA Acct: Univ Inst Fd US Mid Cap Value; CI I/Premier Planner VA  
 Minnesota Lf VA Acct: Advantus Srs Fd Index 400 Mid-Cap; CI 2 Shs//MultiOption Adv VA  
 Nationwide VLI Sep Acct-2: Amer Cent VP Capital Appreciation; CI I/BOA Single Pay VL  
 NML VA Acct B: Northwestern Mutual Mid Cap Value/Front Load ED VA  
 NML VL Acct: Northwestern Mutual Index 400 Stock/Var CompLife VL  
 NML VL Acct: Northwestern Mutual Mid Cap Growth Stock/Var CompLife VL  
 Ohio National Var Acct A: MFS Var Ins Tr Mid Cap Growth; Svc CI/OnCore Lite VA  
 Ohio Natl Var Acct A: NB AMT Regency; CI S/ONcore Lite CI C  
 Ohio Natl Var Acct A: VIP III Mid Cap; Svc CI 2/ONcore Lite CI C  
 Ohio Natl Var Acct A: Wells Fargo Advantage VT Opportunity/ONcore Xtra CI B  
 Pacific Select Exec Sep Acct: Pacific Select Fd Mid-Cap Growth/Select Exec VUL  
 PHL Var Accum Acct: Wanger Select/Big Edge Choice VA  
 Pruco Lf Flex Prem VA Acct: Franklin Temp VIP Tr Franklin Small-Mid Cap Growth Secs; CI 2/Discovery Select VA  
 Pruco Lf Var Univ Acct: Dreyfus Inv Port MidCap Stock; Init Shs/Pruselect III VUL  
 Pruco Lf Var Univ Acct: Pru Srs Fd SP Small Cap Value; CI I/PruLife Cust Prem VUL  
 Union Security Var Acct C: Hartford Growth Opportunities HLS; CI IA/Wall St VUL 220  
 Union Security Var Acct C: Hartford Growth Opportunities HLS; CI IA/Wall St VUL 500  
 Union Security Var Acct C: Hartford Small/Mid Cap Equity HLS; CI IA/Wall St Srs VUL

**Lipper Variable Annuity Money Market Funds Index**

Allstate Finl Advisors Sep Acct I: Federated Prime Money II/Allstate Advisor STI VA  
 Allstate Finl Advisors Sep Acct I: Putnam VT Money Market; CI IB/Putnam Allstate Adv VA  
 Am Natl VA Sep Acct: VIP V T Rowe Price Fixed Income Srs Prime Reserve/WithQuest III Grp Unallocated VA CI B  
 Am Natl VA Sep Acct: VIP V Money Market/WithQuest III Grp Unallocated VA CI B  
 College Retirement Equities Fund: Money Market Acct  
 KILICO VA Sep Acct: DWS II Money Market; CI A/Kemper Advtg III VA Q  
 Minnesota Lf VA Acct: Advantus Srs Fd Money Market//MultiOption Adv VA  
 Nationwide Var Acct-9: Nationwide NVIT Money Market Fund; CI I/BOA Amer Future VA  
 NML VL Acct: Northwestern Mutual Money Market/Var CompLife VL  
 Pruco Lf Flex Prem VA Acct: Pru Srs Fd Money Market; CI I/Discovery Select VA

**Lipper Variable Annuity Real Estate Funds Index**

AIG Lf Var Acct I: AllianceBernstein VP Real Estate Investment; CI A/Ovation VA  
 Amer General Lf Ins Co Sep Acct VL-R: Vanguard VIF REIT Index; Inv Sh CI//Plat Inv III VL  
 John Hancock VL Acct S: John Hancock Tr Real Estate Securities; NAV/Majestic Var COLI VL  
 Minnesota Lf VA Acct: Advantus Srs Fd Real Estate Securities; CI 2 Shs//MultiOption Adv VA  
 Ohio Natl Var Acct A: Univ Inst Fd US Real Estate; CI II/ONcore Lite CI C  
 Ohio Natl Var Acct A: VIP IV Real Estate; Svc CI 2/ONcore Lite CI C  
 PHL Var Accum Acct: Phoenix Edge Duff & Phelps Real Estate Securities/Big Edge Choice VA  
 Phoenix Lf VUL Acct: Phoenix Edge Duff & Phelps Real Estate Securities/Est Edge SVUL  
 Prudential Var Apprec Acct: Real Property/VAL VL

**Lipper Variable Annuity S&P 500 Index Funds Index**

Ameritas Lf Ins Co Sep Acct LLVL: Vanguard VIF Equity Index; Inv Sh CI/Low-Load VUL  
 John Hancock VL Acct S: John Hancock Tr 500 Index B; NAV/Majestic VUL 98  
 Minnesota Lf VA Acct: Advantus Srs Fd Index 500; CI 2 Shs//MultiOption Adv VA  
 Nationwide Provident VLI Sep Acct 1: Nationwide NVIT S&P 500 Index; CI IV/Optn PI VL  
 NML VA Acct B: Northwestern Mutual Index 500 Stock/Back Load VA  
 Ohio Natl Var Acct A: Ohio Natl Fd S&P 500 Indx/ONcore Lite CI C  
 Pacific Select Sep Acct: Pacific Select Fd Equity Index/Select VA  
 Phoenix Lf VUL Acct: DWS VIT Equity 500 Index; CI A/Est Edge SVUL  
 Prudential Var Apprec Acct: Pru Srs Fd Stock Index; CI I/VAL VL  
 Union Central Carillon Acct: Calvert VP S&P 500 Index//VA CI 1



**Lipper Variable Annuity Small-Cap Funds Index**

Allstate Finl Advisors Sep Acct I: Putnam VT Small Cap Value; CI IB/Putnam Allstate Adv VA  
 Am Natl VA Sep Acct: Alger SmallCap Growth; CI I-2/WithQuest III Grp Unallocated VA CI B  
 Am Natl VA Sep Acct: Invesco VI Small Cap Equity; Srs I/WithQuest III Grp Unallocated VA CI B  
 Ameritas Lf Ins Co Sep Acct LLVL: Vanguard VIF Small Company Growth; Inv Sh CI/Low-Load VUL  
 Ameritas Lf Ins Corp Sep Acct LLVA: DWS VIT Small Cap Index; CI A/No-Load VA  
 Ameritas Var Sep Acct VA-2: Calvert VP Russell 2000 Small Cap Index; CI I/Ovrtr Medley! VA  
 John Hancock VL Acct S: John Hancock Tr Small Cap Index; NAV/Majestic Var COLI VL  
 John Hancock VL Acct S: John Hancock Tr Small Cap Opportunities; NAV/Majestic Var COLI VL  
 John Hancock VL Acct S: John Hancock Tr Small Company Value; NAV/Majestic Var COLI VL  
 John Hancock VL Acct U: John Hancock Tr Small Cap Growth; NAV/Medallion VL  
 Lincoln Benefit Lf VA Acct: GS Var Ins Tr Structured Small Cap Equity; Inst/Premier Planner VA  
 Minnesota Lf VA Acct: Ivy Fds VIP Micro Cap Growth//MultiOption Adv VA  
 Minnesota Lf VA Acct: Ivy Fds VIP Small Cap Value//MultiOption Adv VA  
 NML VA Acct B: Northwestern Index 600 Stock/Front Load ED  
 NML VL Acct: Northwestern Mutual Small Cap Growth Stock/Var CompLife VL  
 NML VL Acct: Northwestern Mutual Small Cap Value/Var CompLife VL  
 Ohio National Var Acct A: MFS Var Ins Tr New Discovery; Svc CI/OnCore Lite VA  
 Ohio Natl Var Acct A: JPMorgan Ins Tr Small Cap Core; CI 2/ONcore Lite CI C  
 Ohio Natl Var Acct A: Lazard Ret US Small-Mid Cap Equity; Svc CI/ONcore Lite CI C  
 Ohio Natl Var Acct A: Ohio Natl Fd Cap Growth/ONcore Lite CI C  
 Ohio Natl Var Acct A: Ohio Natl Fd SCG/ONcore Lite CI C  
 Ohio Natl Var Acct A: Royce Cap Fd Micro-Cap; Inv CI/ONcore Lite CI C  
 Ohio Natl Var Acct A: Royce Cap Fd Small Cap; Inv CI/ONcore Lite CI C  
 PHL Var Accum Acct: Phoenix Edge Small Cap Growth/Phx Spectrum Edge+ (PHLVIC) CI B  
 PHL Var Accum Acct: Wanger USA/Big Edge Choice VA  
 Phoenix Lf VUL Acct: Phoenix Edge Small-Cap Value/Individual Edge VUL  
 Pruco Lf Var Univ Acct: Dreyfus Var Inv Fd Developing Leaders; Init Shs/Pruselect III VUL  
 Prudential Var Apprec Acct: Pru Srs Fd Small Capitalization Stock; CI I/VAL VL  
 Union Security Var Acct C: Hartford SmallCap Growth HLS; CI IA/Wall St VUL 220  
 Union Security Var Acct C: Hartford SmallCap Growth HLS; CI IA/Wall St VUL 500

**Index Name    Full Fund Name**

**Nasdaq Symbol**

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**Lipper Variable Annuity U.S. Government Funds Index**

Allstate Finl Advisors Sep Acct I: Invesco VI Government Securities; Srs I/AIM Lifetime Plus II DB VA  
Ameritas Lf Ins Co Sep Acct LLVL: Rydex Var Tr Government Long Bond 1.2x Strategy/Low-Load VUL  
AXA Equitable Sep Acct No 49: EQ Adv Tr EQ/Intermediate Government Bond Index; CI IB//Accum Plus 2002 VA  
Commonwealth Sep Acct VA-K: GS Var Ins Tr Government Income; Svc//ExecAnnuity PI VA  
KILICO VA Sep Acct: Franklin Temp VIP Tr US Government; CI 2/Kemper Advtg III VA  
Nationwide Var Acct-9: Nationwide NVIT Government Bond; CI I/BOA Amer Future VA  
NML VA Acct B: Northwestern Mutual Long-Term US Government Bond/Front Load ED  
Pruco Lf Var Univ Acct: Pru Srs Fd Government Income; CI I/Pruselect II VUL  
Union Security Var Acct C: Hartford US Government Securities HLS; CI IA/Wall St VUL 220  
Union Security Var Acct C: Hartford US Government Securities HLS; CI IA/Wall St VUL 500

**Index Name    Full Fund Name**

**Nasdaq Symbol**

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**USDE Variable**

**Lipper Variable Annuity Large-Cap Core Funds Index**

Ameritas Var Sep Acct VA-2: Amer Cent VP Income & Growth; CI I/Ovrtr Medley! VA  
Nationwide Var Acct-9: Dreyfus Var Inv Fd Appreciation; Init Shs/BOA Amer Future VA  
Nationwide Var Acct-9: Oppenheimer Main Street/VA; Non-Svc Shs/BOA Amer Future VA  
NML VL Acct: Northwestern Mutual Large Cap Core Stock/Var CompLife VL  
NML VL Acct: Russell Inv Fd Multi-Style Equity/Var CompLife VL  
Ohio National Var Acct A: Ohio Natl Fd Bristol/OnCore Lite VA  
Ohio Natl Var Acct A: Ohio Natl Fd Eq/ONcore Lite CI C  
Ohio Natl Var Acct A: VIP II Contrafund; Svc CI 2/ONcore Lite CI C  
Pruco Lf Flex Prem VA Acct: Invesco VI Core Equity; Srs I/Discovery Select VA  
Union Security Var Acct C: Hartford Disciplined Equity HLS; CI IA/Wall St VUL 220

**Lipper Variable Annuity Large-Cap Growth Funds Index**

Allstate Finl Advisors Sep Acct I: Invesco Van Kampen VI Capital Growth; CI I/MS VA II Enhcd  
 Am Natl VA Sep Acct: Alger Capital Appreciation; CI I-2/WithQuest III Grp Unallocated VA CI B  
 Amer General Lf Ins Co Sep Acct VL-R: VALIC Co I Nasdaq-100 Index//Plat Inv III VL  
 Ameritas Lf Ins Co Sep Acct LLVL: Rydex Var Tr NASDAQ-100/Low-Load VUL  
 Ameritas Lf Ins Co Sep Acct LLVL: Vanguard VIF Growth; Inv Sh CI/Low-Load VUL  
 Ameritas Var Sep Acct VA-2: Calvert VP Nasdaq 100 Index/Ovrtr Medley! VA  
 John Hancock VL Acct S: John Hancock Tr Blue Chip Growth; NAV/Majestic Var COLI VL  
 John Hancock VL Acct S: John Hancock Tr Capital Appreciation; NAV/Majestic Var COLI VL  
 John Hancock VL Acct S: M Fund M Large Cap Growth/Majestic VUL 98  
 Minnesota Lf VA Acct: Janus Aspen Forty; Svc Shs//MultiOption Adv VA  
 Nationwide MFS Var Acct: Massachusetts Investors Growth Stock; CI A/MFS Spectrum VA  
 Nationwide MFS Var Acct: MFS Emerging Growth; CI A/MFS Spectrum VA Q  
 NML VA Acct B: Northwestern Mutual Focused Appreciation/Front Load ED VA  
 NML VL Acct: Northwestern Mutual Growth Stock/Var CompLife VL  
 Ohio Natl Var Acct A: GS Var Ins Tr Strategic Growth; Svc/ONcore Lite CI C  
 Ohio Natl Var Acct A: Ohio Natl Fd Aggressive Growth/ONcore Lite CI C  
 Ohio Natl Var Acct A: Ohio Natl Fd Bristol Growth/ONcore Lite CI C  
 Ohio Natl Var Acct A: Ohio Natl Fd Nasdaq 100 Indx/ONcore Lite CI C  
 Ohio Natl Var Acct A: Prudential Jennison 20/20 Focus; CI II/ONcore Lite CI C  
 Ohio Natl Var Acct A: Univ Inst Fd Cap Growth; CI II/ONcore Lite CI C  
 Pacific Select Exec Sep Acct: Pacific Select Fd Focused 30/Select Exec VUL  
 Pacific Select Exec Sep Acct: Pacific Select Fd Large-Cap Growth/Select Exec VUL  
 Pacific Select Sep Acct: Pacific Select Fd Growth LT/Select VA  
 Pruco Lf Flex Prem VA Acct: AllianceBernstein VP Large Cap Growth; CI B/Discovery Select VA  
 Pruco Lf Flex Prem VA Acct: MFS Var Ins Tr Growth; Init CI/Discovery Select VA  
 Prudential Var Apprec Acct: Pru Srs Fd Equity; CI I/Custm VAL 100 VL  
 Prudential Var Apprec Acct: Pru Srs Fd Equity; CI I/Custom VAL VL  
 Prudential Var Apprec Acct: Pru Srs Fd Jennison; CI I/Custm VAL 100 VL  
 Prudential Var Apprec Acct: Pru Srs Fd Jennison; CI I/Custom VAL VL  
 Union Central Carillon Acct: DWS I Capital Growth; CI A//VA CI 1

**Lipper Variable Annuity Large-Cap Value Funds Index**

Minnesota Lf VA Acct: Invesco Van Kampen VI Comstock; CI II//MultiOption Adv VA  
 NML VA Acct B: Northwestern Mutual Large Company Value/Back Load ED  
 NML VL Acct: Northwestern Mutual Domestic Equity/Var CompLife VL  
 Ohio National Var Acct A: Legg Mason CBA Var Large Cap Value; CI I/OnCore Value VA  
 Ohio Natl Var Acct A: GS Var Ins Tr Large Cap Value; Inst/ONcore Lite CI C  
 Ohio Natl Var Acct A: Ohio Natl Fd Strategic Value/ONcore Lite CI C  
 Pacific Select Exec Sep Acct: Pacific Select Fd Comstock/Select Exec VUL  
 Pruco Lf Flex Prem VA Acct: Amer Cent VP Value; CI I/Discovery Select VA  
 Prudential Var Apprec Acct: Pru Srs Fd Value; CI I/Custm VAL 100 VL  
 Prudential Var Apprec Acct: Pru Srs Fd Value; CI I/Custom VAL VL

**Lipper Variable Annuity Mid-Cap Core Funds Index**

Amer General Lf Ins Co Sep Acct VL-R: VALIC Co I Mid Cap Index//Plat Inv III VL  
 Ameritas Lf Ins Co Sep Acct LLVL: Vanguard VIF Mid-Cap Index; Inv Sh CI/Low-Load VUL  
 Ameritas Var Sep Acct VA-2: Calvert VP S&P MidCap 400 Index; Cls I Shs/Ovrtr Medley! VA  
 Ameritas Var Sep Acct VA-2: Calvert VP SRI Mid Cap Growth/Ovrtr Medley! VA  
 John Hancock VL Acct S: M Fund M Capital Appreciation/Majestic VUL 98  
 KILICO VA Sep Acct: DWS II Dreman Small Mid Cap Value; CI A/Scudder Destinations VA  
 Minnesota Lf VA Acct: Advantus Srs Fd Index 400 Mid-Cap; CI 2 Shs//MultiOption Adv VA  
 NML VL Acct: Northwestern Mutual Index 400 Stock/Var CompLife VL  
 Ohio Natl Var Acct A: Lazard Ret US Small-Mid Cap Equity; Svc CI/ONcore Lite CI C  
 Pruco Lf Var Univ Acct: Dreyfus Inv Port MidCap Stock; Init Shs/Pruselect III VUL

**Lipper Variable Annuity Mid-Cap Growth Funds Index**

Am Natl VA Sep Acct: Alger Mid Cap Growth; CI I-2/WithQuest III Grp Unallocated VA CI B  
 John Hancock VL Acct S: John Hancock Tr Mid Cap Stock; NAV/Majestic Var COLI VL  
 NML VL Acct: Northwestern Mutual Mid Cap Growth Stock/Var CompLife VL  
 Ohio National Var Acct A: MFS Var Ins Tr Mid Cap Growth; Svc CI/OnCore Lite VA  
 Ohio National Var Acct A: Wells Fargo Advantage VT Discovery/OnCore Premier VA  
 Ohio Natl Var Acct A: Federated Kaufmann II; Svc/ONcore Lite CI C  
 Ohio Natl Var Acct A: Ohio Natl Fd Mid Cap Oppty/ONcore Lite CI C  
 PHL Var Accum Acct: Wanger Select/Big Edge Choice VA  
 Pruco Lf Flex Prem VA Acct: Franklin Temp VIP Tr Franklin Small-Mid Cap Growth Secs; CI 2/Discovery Select VA  
 Pruco Lf Var Univ Acct: Pru Srs Fd SP Prudential US Emerging Growth/PruLife Cust Prem VUL

**Lipper Variable Annuity Mid-Cap Value Funds Index**

AXA Equitable Sep Acct A: EQ Adv Tr EQ/Mid Cap Value PLUS; CI IB//Equi-Vest 1/2 VA  
 Jackson National Sep Acct-I: JNL/PPM America Mid Cap Value; CI A/Perspective II VA  
 John Hancock VA Acct H: John Hancock Tr Mid Value; NAV/Revolution Extra VA  
 John Hancock VA Acct H: John Hancock Tr Mid Value; NAV/Revolution Value VA  
 Lincoln Benefit Lf VA Acct: Univ Inst Fd US Mid Cap Value; CI I/Premier Planner VA  
 Ohio Natl Var Acct A: NB AMT Regency; CI S/ONcore Lite CI C

**Lipper Variable Annuity Mixed-Asset Target Allocation Growth**

Ameritas Lf Ins Co Sep Acct LLVL: Vanguard VIF Balanced; Inv Sh CI/Low-Load VUL  
 Ameritas Var Sep Acct VA-2: Calvert VP SRI Balanced/Ovrtr Medley! VA  
 Minnesota Lf VA Acct: Ivy Fds VIP Balanced//MultiOption Ann Flex VA  
 NML VA Acct B: Northwestern Mutual Asset Allocation/Back Load ED VA  
 NML VA Acct B: Russell Inv Fd Growth Strategy/Front Load ED  
 Ohio National Var Acct A: Ohio Natl Fd Omni/Top Tradition A VA  
 Ohio Natl Var Acct A: Ohio Natl Fd Balanced/ONcore Val CI B  
 Prudential Var Apprec Acct: Pru Srs Fd Flexible Managed; CI I/VAL VL  
 Union Security Var Acct C: Hartford Advisers HLS; CI IA/Wall St VUL 220  
 Union Security Var Acct C: Hartford Advisers HLS; CI IA/Wall St VUL 500

**Lipper Variable Annuity Mixed-Asset Target Allocation Modera**

College Retirement Equities Fund: Social Choice Acct  
 Nationwide Provident VLI Sep Acct 1: VIP V Asset Manager; Init CI/Optn PI VL  
 NML VA Acct B: Northwestern Mutual Balanced/Back Load VA  
 NML VA Acct B: Russell Inv Fd Balanced Strategy/Front Load ED  
 NML VA Acct B: Russell Inv Fd Moderate Strategy/Front Load ED  
 Ohio National Var Acct A: MFS Var Ins Tr Total Return; Svc CI/OnCore Lite VA  
 Ohio Natl Var Acct A: Franklin Temp VIP Tr Franklin Income Securities; CI 2/ONcore Lite CI C  
 Ohio Natl Var Acct A: Janus Aspen Balanced; Svc/ONcore Lite CI C  
 PHL Var Accum Acct: Phoenix Edge Strategic Allocation/Big Edge Choice VA  
 Prudential Var Apprec Acct: Pru Srs Fd Conservative Balanced; CI I/VAL VL

**Lipper Variable Annuity Multi-Cap Core Funds Index**

College Retirement Equities Fund: Equity Index Acct  
 MML Series Investment Fund II: MML Equity Rotation Fund; Class 2 Shares  
 NML VA Acct B: Northwestern NB AMT Socially Responsive/Front Load ED  
 Ohio National Var Acct A: JPMorgan Ins Tr Mid Cap Value; CI 1/OnCore Lite VA  
 Ohio Natl Var Acct A: Lazard Ret US Strategic Equity; Svc CI/ONcore Prem CI B  
 Ohio Natl Var Acct A: Ohio Natl Fd Cap Appreciation/ONcore Lite CI C  
 Ohio Natl Var Acct A: Ohio Natl Fd Tgt VIP/ONcore Lite CI C  
 Ohio Natl Var Acct A: VIP III Mid Cap; Svc CI 2/ONcore Lite CI C  
 TIAA Sep Acct VA-1: Stock Index/Teachers Personal Annuity VA  
 Union Central Carillon Acct: NB AMT Guardian; CI I/VA CI 1

**Lipper Variable Annuity Multi-Cap Growth Funds Index**

Am Natl VA Sep Acct: VIP III Growth Opportunity; Svc CI 2/WithQuest III Grp Unallocated VA CI B  
 College Retirement Equities Fund: Growth Acct  
 IL Ann & Ins Co Sep Acct 1: Pioneer VC Tr Growth Opportunities; CI I/Visionary Choice VA  
 John Hancock VL Acct U: John Hancock Tr Optimized All Cap; NAV/VLI II  
 Ohio Natl Var Acct A: Franklin Temp VIP Tr Franklin Flex Cap Growth Secs; CI 2/ONcore Lite CI C  
 Pacific Select Exec Sep Acct: Pacific Select Fd Mid-Cap Growth/Select Exec VUL  
 PHL Var Accum Acct: Phoenix Edge Capital Growth/Big Edge Choice VA  
 Pruco Lf Flex Prem VA Acct: Janus Aspen Janus; Inst Shs/Discovery Select VA  
 Union Security Var Acct C: Hartford Growth Opportunities HLS; CI IA/Wall St VUL 220  
 Union Security Var Acct C: Hartford Growth Opportunities HLS; CI IA/Wall St VUL 500

**Lipper Variable Annuity Multi-Cap Value Funds Index**

Am Natl VA Sep Acct: VIP Value; Svc CI 2/WithQuest III Grp Unallocated VA CI B  
 Ameritas Var Sep Acct VA-2: Third Avenue Value/Ovrtr Medley! VA  
 Jackson National Sep Acct-I: JNL V JNL/Mellon Capital Management JNL 5 Fund; CI A/Perspective II VA  
 Jackson National Sep Acct-I: JNL/S&P Intrinsic Value; CI A/Perspective II VA  
 Jackson National Sep Acct-I: JNL/S&P Total Yield; CI A/Perspective II VA  
 NML VL Acct: Northwestern Mutual Mid Cap Value/Var CompLife VL  
 Pacific Select Exec Sep Acct: M Fund M Large Cap Value/Select Exec VUL  
 Union Central Carillon Acct: Invesco VI Basic Value; Srs I/Advantage VA III

**Lipper Variable Annuity Science & Technology Funds Index**

Am Natl VA Sep Acct: Invesco VI Technology; Srs I/WlthQuest III Grp Unallocated VA CI B  
 Amer General Lf Ins Co Sep Acct VL-R: VALIC Co I Science & Technology//Plat Inv Surv V  
 AXA Equitable Sep Acct A: AXA Premier VIP Tr Multimanager Technology; CI B//Equi-Vest 1/2 VA  
 Canada Lf of Amer VA Acct 2: Seligman Global Technology; CI 1/Trillium VA  
 Jackson National Sep Acct-I: JNL/Mellon Capital Management Communications Sector; CI A/Perspective II VA  
 Jackson National Sep Acct-I: JNL/Mellon Capital Management Technology Sector; CI A/Perspective II VA  
 John Hancock Lf Ins Co (USA) Sep Acct A: John Hancock Tr Science & Technology; Srs I/Venture VUL  
 Ohio Natl Var Acct A: Ivy Fds VIP Sci & Technology/ONcore Lite CI C  
 Pacific Select Exec Sep Acct: Pacific Select Fd Technology/Select Exec VUL

**Lipper Variable Annuity Small-Cap Core Funds Index**

Ameritas Var Sep Acct VA-2: Calvert VP Russell 2000 Small Cap Index; CI I/Ovrtr Medley! VA  
 Minnesota Lf VA Acct: Ivy Fds VIP Small Cap Value//MultiOption Adv VA  
 NML VA Acct B: Northwestern Index 600 Stock/Front Load ED  
 NML VL Acct: Northwestern Mutual Small Cap Value/Var CompLife VL  
 NML VL Acct: Russell Inv Fd Aggressive Equity/Var CompLife VL  
 Ohio Natl Var Acct A: JPMorgan Ins Tr Small Cap Core; CI 2/ONcore Lite CI C  
 Ohio Natl Var Acct A: Royce Cap Fd Micro-Cap; Inv CI/ONcore Lite CI C  
 Pruco Lf Var Univ Acct: Pru Srs Fd SP Small Cap Value; CI I/PruLife Cust Prem VUL  
 Prudential Var Apprec Acct: Pru Srs Fd Small Capitalization Stock; CI I/Custm VAL 100 VL  
 Prudential Var Apprec Acct: Pru Srs Fd Small Capitalization Stock; CI I/Custom VAL VL

**Lipper Variable Annuity Small-Cap Growth Funds Index**

Ameritas Lf Ins Co Sep Acct LLVL: Vanguard VIF Small Company Growth; Inv Sh CI/Low-Load VUL  
 John Hancock VL Acct U: John Hancock Tr Small Cap Growth; NAV/Medallion VL  
 Nationwide Provident VLI Sep Acct 1: Alger SmallCap Growth; CI I-2/Optn PI VL  
 NML VL Acct: Northwestern Mutual Small Cap Growth Stock/Var CompLife VL  
 Ohio National Var Acct A: Ohio Natl Fd Bryton Growth/OnCore Lite VA  
 Ohio Natl Var Acct A: Ohio Natl Fd Cap Growth/ONcore Lite CI C  
 Ohio Natl Var Acct A: Ohio Natl Fd SCG/ONcore Lite CI C  
 PHL Var Accum Acct: Wanger USA/Big Edge Choice VA  
 Union Security Var Acct C: Hartford SmallCap Growth HLS; CI IA/Wall St VUL 220  
 Union Security Var Acct C: Hartford SmallCap Growth HLS; CI IA/Wall St VUL 500



**Index Name    Full Fund Name**

**Nasdaq Symbol**

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**Lipper Variable Annuity Small-Cap Value Funds Index**

Allstate Finl Advisors Sep Acct I: Putnam VT Small Cap Value; CI IB/Putnam Allstate Adv VA  
Commonwealth Sep Acct VA-K: AllianceBernstein VP Small/Mid Cap Value; CI B//Immediate Advantage VA  
Commonwealth Sep Acct VA-K: Franklin Temp VIP Tr Franklin Small Cap Value Secs; CI 2//Immediate Advantage VA  
Jackson National Sep Acct-I: JNL/Mellon Capital Management S&P SMid 60;CI A/Perspective II VA  
Jackson National Sep Acct-I: JNL/PPM America Small Cap Value; CI A/Perspective II VA  
John Hancock VL Acct S: John Hancock Tr Small Cap Value; NAV/Master Plan Plus 3 VL  
Nationwide Var Acct-9: Nationwide NVIT Multi-Manager Small Cap Value; CI I/BOA Amer Future VA  
Ohio Natl Var Acct A: Royce Cap Fd Small Cap; Inv CI/ONcore Lite CI C

**Variable Underlying Fund**

**General Underlying Fund**

**Lipper VUF Alternative Other Funds Index**

- Advanced Series Trust: AST Academic Strategies Asset Allocation Portfolio
- Advanced Series Trust: AST Advanced Strategies Portfolio
- Advanced Series Trust: AST BlackRock Global Strategies Portfolio
- Advanced Series Trust: AST JPMorgan Strategic Opportunities Portfolio
- AIM Variable Insurance Funds (Invesco Variable Insurance Funds): Invesco VI Balanced-Risk All Fund; Series II
- Columbia Funds Variable Insurance Trust: Columbia Variable Portfolio - Diversified Absolute Return Fd; CI 1 Sh
- Deutsche Variable Series II: Deutsche Alternative Asset Allocation VIP; Class B Shares
- EQ Advisors Trust: All Asset Growth-Alt 20 Portfolio; Class IB Shares
- EQ Advisors Trust: AXA/AB Dynamic Moderate Growth Portfolio; Class IB Shares
- Ivy Variable Insurance Portfolios: Ivy VIP Asset Strategy; Class II Shares
- Jackson Variable Series Trust: JNL Conservative Allocation Fund; Class A Shares
- Jackson Variable Series Trust: JNL Institutional Alt 100 Fund; Class A Shares
- Jackson Variable Series Trust: JNL Moderate Allocation Fund; Class A Shares
- Jackson Variable Series Trust: JNL/BlackRock Global Long Short Credit Fund; Class A Shares
- Jackson Variable Series Trust: JNL/Eaton Vance Global Macro Absolute Return Advantage Fund; Class A Shares
- Jackson Variable Series Trust: JNL/Neuberger Berman Currency Fund; Class A Shares
- Jackson Variable Series Trust: JNL/Nicholas Convertible Arbitrage Fund; Class A Shares
- Jackson Variable Series Trust: JNL/PPM America Long Short Credit Fund; Class A Shares
- JNL Series Trust: JNL Institutional Alt 25 Fund; Class A Shares
- JNL Series Trust: JNL Institutional Alt 50 Fund; Class A Shares
- JNL Series Trust: JNL Multi-Manager Alternative Fund; Class A Shares
- JNL Series Trust: JNL/AQR Large Cap Relaxed Constraint Equity Fund; Class A Shares
- JNL Series Trust: JNL/Boston Partners Global Long Short Equity; Class A Shares
- JNL Series Trust: JNL/Scout Unconstrained Bond Fund; Class A Shares
- JNL Series Trust: JNL/Westchester Capital Event Driven Fund; Class A Shares
- MainStay VP Funds Trust: MainStay VP Absolute Return Multi-Strategy Portfolio; Service Class Shares
- MML Series Investment Fund II: MML Dynamic Bond Fund; Class 2 Shares
- PIMCO Variable Insurance Trust: PIMCO All Asset Portfolio; Administrative Class
- PIMCO Variable Insurance Trust: PIMCO Global Multi-Asset Managed Allocation Portfolio; Advisor Class Shares
- Variable Insurance Products Fund V: Target Volatility Portfolio; Service Class 2 Shares

**Index Name Full Fund Name**

**Nasdaq Symbol**

**Lipper VUF Balanced Funds Index**

Advanced Series Trust: AST Balanced Asset Allocation Portfolio	
Advanced Series Trust: AST FI Pyramis Quantitative Portfolio	
Advanced Series Trust: AST T Rowe Price Asset Allocation Portfolio	
Allianz Variable Insurance Products Fund of Funds Trust: AZL MVP Fusion Dynamic Balanced Fund	
Allianz Variable Insurance Products Fund of Funds Trust: AZL MVP Fusion Dynamic Moderate Fund	
American Funds Insurance Series: Asset Allocation Fund; Class 1 Shares	
Hartford Series Fund, Inc: Hartford Balanced HLS Fund; Class IA Shares	HADAX
Janus Aspen Series: Janus Henderson Balanced Portfolio; Service Shares	
JNL Series Trust: JNL/WMC Balanced Fund; Class A Shares	
John Hancock Variable Insurance Trust: Managed Volatility Balanced Portfolio; Series II Shares	
John Hancock Variable Insurance Trust: Managed Volatility Moderate Portfolio; Series II Shares	
Lincoln Variable Insurance Products Trust: LVIP Global Moderate Allocation Managed Risk Fund; Service CI Shs	
MainStay VP Funds Trust: MainStay VP Moderate Allocation Portfolio; Service Class Shares	
MFS Variable Insurance Trust: MFS Total Return Series; Initial Class Shares	
MML Series Investment Fund: MML Moderate Allocation Fund; Service Class Shares	
Nationwide Variable Insurance Trust: NVIT Cardinal Balanced Fund; Class II Shares	
Nationwide Variable Insurance Trust: NVIT Investor Destinations Moderate Fund; Class II Shares	
Ohio National Fund, Inc: Balanced Portfolio	
Prudential Series Fund: Conservative Balanced Portfolio; Class I Shares	
SunAmerica Series Trust: SA PIMCO VCP Tactical Balanced Portfolio; Class 3 Shares	
Thrivent Series Fund, Inc: Thrivent Moderate Allocation Portfolio	
Thrivent Series Fund, Inc: Thrivent Moderately Conservative Allocation Portfolio	
Transamerica Series Trust: Transamerica Asset Allocation-Moderate VP; Service Class Shares	
Transamerica Series Trust: Transamerica Multi-Managed Balanced VP; Service Class Shares	
Vanguard Variable Insurance Fund: Balanced Portfolio; Investor Share Class	
Variable Insurance Products Fund III: Balanced Portfolio; Investor Class Shares	
Variable Insurance Products Fund V: Fundsmanager 50% Portfolio; Investor Class Shares	
Variable Insurance Products Fund V: Fundsmanager 70% Portfolio; Investor Class Shares	
Voya Investors Trust: Voya Retirement Moderate Growth Portfolio; Advisor Class Shares	IRMGX
Voya Investors Trust: Voya Retirement Moderate Portfolio; Advisor Class Shares	IRMPX

**Index Name Full Fund Name**

**Nasdaq Symbol**

**Lipper VUF Capital Appreciation Funds Index**

Advanced Series Trust: AST Small-Cap Growth Opportunities Portfolio	
Advanced Series Trust: AST Small-Cap Growth Portfolio	
Advanced Series Trust: AST Wedge Capital Mid-Cap Value Portfolio	
AIM Variable Insurance Funds (Invesco Variable Insurance Funds): Invesco VI Mid Cap Growth Fund; Class II Shs	
Alger Portfolios: Alger Capital Appreciation Portfolio; Class I-2 Shares	ALVOX
Anchor Series Trust: SA Wellington Capital Appreciation Portfolio; Class 1 Shares	
BlackRock Variable Series Funds, Inc: BlackRock Advantage US Total Market VI Fund; Class I Common Stock Shs	
Hartford Series Fund, Inc: Hartford Capital Appreciation HLS Fund; Class IA Shares	HIACX
Janus Aspen Series: Janus Henderson Research Portfolio; Institutional Shares	JAGR X
John Hancock Variable Insurance Trust: Fundamental Large Cap Value Trust; Series NAV Shares	
Legg Mason Partners Variable Equity Trust: ClearBridge Variable Aggressive Growth Portfolio; Class I Shares	
Legg Mason Partners Variable Equity Trust: QS Variable Growth; Class I Shares	
Lincoln Variable Insurance Products Trust: LVIP Blended Large Cap Growth Managed Volatility Fund; Service	
Lincoln Variable Insurance Products Trust: LVIP Delaware Special Opportunities Fund; Standard Class Shares	
Lincoln Variable Insurance Products Trust: LVIP Wellington Capital Growth Fund; Service Class Shares	
M Fund, Inc: M Capital Appreciation Fund	MFCPX
MainStay VP Funds Trust: MainStay VP Cornerstone Growth Portfolio; Initial Class Shares	
Ohio National Fund, Inc: Aggressive Growth Portfolio	
Oppenheimer Variable Account Funds: Oppenheimer Discovery Mid Cap Growth Fund/VA; Non-Service Shares	
Pacific Select Fund: Developing Growth Portfolio; Class I Shares	
Pacific Select Fund: Growth Portfolio; Class I Shares	
Penn Series Funds, Inc: Large Cap Value Fund	
Russell Investment Funds: US Small Cap Equity Fund	RIFBX
Rydex Variable Trust: Mid-Cap 1.5x Strategy Fund	
Rydex Variable Trust: NASDAQ-100 Fund	
Ultra Series Fund: Large Cap Growth Fund; Class I Shares	
VALIC Company II: Mid Cap Growth Fund	VAMGX
Variable Insurance Products Fund III: Dynamic Capital Appreciation Portfolio; Investor Class Shares	
Wells Fargo Variable Trust: Wells Fargo VT Discovery Fund; Class 2 Shares	
Wells Fargo Variable Trust: Wells Fargo VT Omega Growth Fund; Class 2 Shares	

**Index Name    Full Fund Name**

**Nasdaq Symbol**

**Lipper VUF Core Bond Funds Index**

Advanced Series Trust: AST Lord Abbett Core Fixed Income Portfolio	
Advanced Series Trust: AST Prudential Core Bond Portfolio	
Allianz Variable Insurance Products Trust: AZL MetWest Total Return Bond Fund	
Allianz Variable Insurance Products Trust: AZL Pyramis Total Bond Fund	
American Funds Insurance Series: Bond Fund; Class 1 Shares	
Columbia Funds Variable Series Trust II: Columbia Variable Portfolio-Intermediate Bond Fund; Class 1 Shares	
Columbia Funds Variable Series Trust II: Variable Portfolio - American Century Dvs Bond Fund; Class 1 Shares	
Columbia Funds Variable Series Trust II: Variable Portfolio - Partners Core Bond Fund; Class 1 Shares	
EQ Advisors Trust: EQ/Core Bond Index Portfolio; Class K Shares	
EQ Advisors Trust: Multimanager Core Bond Portfolio; Class K Shares	
Hartford Series Fund, Inc: Hartford Total Return Bond HLS Fund; Class IA Shares	HIABX
JNL Series Trust: JNL/DoubleLine Core Fixed Income Fund; Class A Shares	
JNL Series Trust: JNL/Mellon Capital Bond Index Fund; Class A Shares	
John Hancock Variable Insurance Trust: Core Bond Trust; NAV Shares	JVCNX
John Hancock Variable Insurance Trust: New Income Trust; NAV Shares	
Lord Abbett Series Fund, Inc: Total Return Portfolio; Variable Contract Class Shares	
MainStay VP Funds Trust: MainStay VP Bond Portfolio; Initial Class Shares	
MFS Variable Insurance Trust: MFS Total Return Bond Series; Service Class Shares	
Mutual of America Investment Corporation: Mid-Term Bond Fund	
Nationwide Variable Insurance Trust: American Funds NVIT Bond Fund; Class II Shares	
Northwestern Mutual Series Fund, Inc: Select Bond Portfolio	
Pacific Select Fund: Managed Bond Portfolio; Class I Shares	
Seasons Series Trust: SA Multi-Managed Diversified Fixed Income Portfolio; Class 1 Shares	
SunAmerica Series Trust: SA JPMorgan MFS Core Bond Portfolio; Class 1 Shares	
Transamerica Series Trust: Transamerica JPMorgan Core Bond VP; Initial Class Shares	
VALIC Company II: Core Bond Fund	VCCBX
Variable Insurance Products Fund V: Investment Grade Bond Portfolio; Service Class 2 Shares	
Victory Variable Insurance Funds: Victory INCORE Investment Quality Bond VIP Series; Class I Shares	GUBFX
Voya Intermediate Bond Portfolio; Class S Shares	IPISX
Voya Variable Portfolios, Inc: Voya US Bond Index; Class I Shares	ILBAX

**Lipper VUF Core Plus Bond Funds Index**

Advanced Series Trust: AST BlackRock/Loomis Sayles Bond Portfolio  
 Advanced Series Trust: AST Western Asset Core Plus Bond Portfolio  
 Columbia Funds Variable Series Trust II: Variable Portfolio - TCW Core Plus Bond Fund; Class 1 Share  
 Delaware VIP Trust: Delaware VIP Diversified Income Series; Service Class Shares  
 EQ Advisors Trust: EQ/Quality Bond PLUS Portfolio; Class IB Shares  
 JNL Investors Series Trust: JNL/PPM America Total Return Fund; Class A Shares  
 JNL Series Trust: JNL/Goldman Sachs Core Plus Bond Fund; Class A Shares  
 Nationwide Variable Insurance Trust: NVIT Core Plus Bond Fund; Class Y Shares  
 PIMCO Variable Insurance Trust: PIMCO Total Return Portfolio; Administrative Class  
 Transamerica Series Trust: Transamerica PIMCO Total Return VP; Initial Class Shares

**Lipper VUF Corporate Debt A-Rated Funds Index**

AB Variable Products Series Fund, Inc: AB VPS Intermediate Bond Portfolio; Class A Shares  
 BlackRock Series Fund, Inc: BlackRock Total Return Portfolio  
 BlackRock Variable Series Funds, Inc: BlackRock Total Return VI Fund; Class I Common Stock Shares  
 Deutsche Variable Series I: Deutsche Bond VIP; Class A Shares  
 Dreyfus Variable Investment Fund: Quality Bond Portfolio; Initial Shares  
 Ivy Variable Insurance Portfolios: Ivy VIP Bond  
 MML Series Investment Fund II: MML Managed Bond Fund; Initial Class Shares  
 Pioneer Variable Contracts Trust: Pioneer Bond VCT Portfolio; Class II Shares  
 Securian Funds Trust: Advantus Bond Fund; Class 2 Shares  
 VALIC Company I: Capital Conservation Fund

VCCCX

**Lipper VUF Corporate Debt BBB-Rated Funds Index**

Advanced Series Trust: AST Investment Grade Bond Portfolio  
 Columbia Funds Variable Insurance Trust: Columbia Variable Portfolio-Long Govt/Credit Bond Fd; Class 1 Shares  
 John Hancock Variable Insurance Trust: Bond Trust; NAV Shares  
 Lincoln Variable Insurance Products Trust: LVIP Delaware Bond Fund; Standard Class Shares  
 Lincoln Variable Insurance Products Trust: LVIP SSgA Bond Index Fund; Service Class Shares  
 Mutual of America Investment Corporation: Bond Fund  
 Nationwide Variable Insurance Trust: NVIT Bond Index Fund; Class Y Shares  
 Nationwide Variable Insurance Trust: NVIT Core Bond Fund; Class Y Shares  
 SunAmerica Series Trust: SA Federated Corporate Bond Portfolio; Class 3 Shares  
 Thrivent Series Fund, Inc: Thrivent Income Portfolio

**Index Name    Full Fund Name**

**Nasdaq Symbol**

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**Lipper VUF Dedicated Short Bias Funds Index**

- ProFunds: ProFund VP Bear
- ProFunds: ProFund VP Rising Rates Opportunity
- ProFunds: ProFund VP Short Emerging Markets
- ProFunds: ProFund VP Short NASDAQ-100
- ProFunds: ProFund VP Short Small-Cap
- Rydex Variable Trust: Inverse Dow 2x Strategy Fund
- Rydex Variable Trust: Inverse NASDAQ-100 Strategy Fund
- Rydex Variable Trust: Inverse Russell 2000 Strategy Fund
- Rydex Variable Trust: Inverse S&P 500 Strategy Fund
- Transamerica Series Trust: Transamerica ProFund UltraBear VP; Service Class Shares

**Index Name Full Fund Name**

**Nasdaq Symbol**

**Lipper VUF Emerging Markets Funds Index**

Advanced Series Trust: AST AQR Emerging Markets Equity Portfolio	
Advanced Series Trust: AST Parametric Emerging Markets Equity Portfolio	
Allianz Variable Insurance Products Trust: AZL Emerging Markets Equity Index Fund; Class 2 Shares	
American Funds Insurance Series: New World Fund; Class 2 Shares	
Columbia Funds Variable Series Trust II: Columbia Variable Portfolio-Emerging Markets Fund; Class 1 Shares	
Delaware VIP Trust: Delaware VIP Emerging Markets Series; Service Class Shares	
Franklin Templeton Variable Insurance Products Trust: Templeton Developing Markets VIP Fund; Class 2 Shares	
JNL Series Trust: JNL/American Funds New World Fund; Class A Shares	
JNL Series Trust: JNL/Invesco China-India Fund; Class A Shares	
JNL Series Trust: JNL/Lazard Emerging Markets Fund; Class A Shares	
JNL Series Trust: JNL/Mellon Capital Emerging Markets Index Fund; Class A Shares	
JNL Series Trust: JNL/Oppenheimer Emerging Markets Innovator Fund; Class A Shares	
John Hancock Variable Insurance Trust: Emerging Markets Value Trust; NAV Shares	JHVTX
Lazard Retirement Series, Inc: Lazard Retirement Emerging Markets Equity Portfolio; Service Class Shares	
Lincoln Variable Insurance Products Trust: LVIP SSgA Emerging Markets 100 Fund; Service Class Shares	
MainStay VP Funds Trust: MainStay VP Emerging Markets Equity Portfolio; Service Class Shares	
Morgan Stanley Variable Insurance Fund Inc: Emerging Markets Equity Portfolio; Class I Shares	MEMEX
Nationwide Variable Insurance Trust: NVIT Emerging Markets Fund; Class I Shares	
Northwestern Mutual Series Fund, Inc: Emerging Markets Equity Portfolio	
Pacific Select Fund: Emerging Markets Portfolio; Class I Shares	
Penn Series Funds, Inc: Emerging Markets Equity Fund	
Principal Variable Contracts Funds, Inc: International Emerging Markets Account; Class 1 Shares	
SunAmerica Series Trust: SA JPMorgan Emerging Markets Portfolio; Class 3 Shares	
Thrivent Series Fund, Inc: Thrivent Partner Emerging Markets Equity Portfolio	
VALIC Company I: Emerging Economies Fund	VCSEX
Van Eck VIP Trust: Emerging Markets Fund; Initial Class Shares	
Variable Insurance Products Fund II: Emerging Markets Portfolio; Initial Class Shares	
Voya Investors Trust: VY JPMorgan Emerging Markets Equity Portfolio; Service Class Shares	IJPIX
Voya Variable Portfolios, Inc: Voya Emerging Markets Index Portfolio; Class I Shares	IEPIX
Voya Variable Portfolios, Inc: Voya Hang Seng Index Portfolio; Class I Shares	IHPX



**Index Name Full Fund Name**

**Nasdaq Symbol**

**Lipper VUF Equity Income Funds Index**

Advanced Series Trust: AST Clearbridge Dividend Growth Portfolio	
AIM Variable Insurance Funds (Invesco Variable Insurance Funds): Invesco VI Diversified Dividend Fund; I	
American Funds Insurance Series: Capital Income Builder; Class 4 Shares	
BlackRock Variable Series Funds, Inc: BlackRock Equity Dividend VI Fund; Class III Common Stock Shares	
Columbia Funds Variable Series Trust II: Columbia Variable Portfolio-Dividend Opportunity Fund; Class 3 Shares	
EQ Advisors Trust: 1290 VT Equity Income Portfolio; Class K Shares	
First Investors Life Series Funds: Equity Income Fund	
Guggenheim Variable Funds Trust: Series O (All Cap Value Series)	
Hartford Series Fund, Inc: Hartford Dividend & Growth HLS Fund; Class IA Shares	HIADX
Ivy Variable Insurance Portfolios: Ivy VIP Dividend Opportunities	
Jackson Variable Series Trust: JNL/The Boston Company Equity Income Fund; Class A Shares	
John Hancock Variable Insurance Trust: Equity-Income Trust; NAV Shares	
Legg Mason Partners Variable Equity Trust: ClearBridge Variable Dividend Strategy Portfolio; Class II Shares	
Lincoln Variable Insurance Products Trust: LVIP BlackRock Dividend Value Managed Volatility Fund; Svc CI Shs	
Lincoln Variable Insurance Products Trust: LVIP Invesco Diversified Equity-Income Managed Volatility; Service	
Lord Abbett Series Fund, Inc: Calibrated Dividend Growth Portfolio; Variable Contract Class Shares	
MainStay VP Funds Trust: MainStay VP T Rowe Price Equity Income Portfolio; Initial Class Shares	
MML Series Investment Fund: MML Equity Income Fund; Initial Class Shares	
Nationwide Variable Insurance Trust: BlackRock NVIT Equity Dividend Fund; Class II Shares	
Northwestern Mutual Series Fund, Inc: Equity Income Portfolio	
Pioneer Variable Contracts Trust: Pioneer Equity Income VCT Portfolio; Class II Shares	
Principal Variable Contracts Funds, Inc: Equity Income Account; Class 1 Shares	
Putnam Variable Trust: Putnam VT Equity Income Fund; Class IB Shares	
SunAmerica Series Trust: SA JPMorgan Equity-Income Portfolio; Class 1 Shares	
T Rowe Price Equity Series, Inc: T Rowe Price Equity Income Portfolio	
Transamerica Series Trust: Transamerica Barrow Hanley Dividend Focused VP; Initial Class Shares	
Vanguard Variable Insurance Fund: Equity Income Portfolio; Investor Share Class	
Variable Insurance Products Fund: Equity-Income Portfolio; Initial Class Shares	
Voya Investors Trust: Voya Large Cap Value Portfolio; Service Class Shares	IPESX
Voya Investors Trust: VY T Rowe Price Equity Income Portfolio; Service Class Shares	IRPSX

**Index Name    Full Fund Name**

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**Lipper VUF Equity Leverage Funds Index**

- ProFunds: ProFund VP UltraBull
- ProFunds: ProFund VP UltraMid-Cap
- ProFunds: ProFund VP UltraNASDAQ-100
- ProFunds: ProFund VP UltraSmall-Cap
- Rydex Variable Trust: Dow 2x Strategy Fund
- Rydex Variable Trust: Europe 1.25x Strategy Fund
- Rydex Variable Trust: Japan 2x Strategy Fund
- Rydex Variable Trust: NASDAQ-100 2x Strategy Fund
- Rydex Variable Trust: S&P 500 2x Strategy Fund
- Rydex Variable Trust: Strengthening Dollar 2x Strategy Fund

**Lipper VUF Flexible Portfolio Funds Index**

AB Variable Products Series Fund, Inc: AB VPS Dynamic Asset Allocation Portfolio; Class B Shares	
Advanced Series Trust: AST Quantitative Modeling Portfolio	
Allianz Variable Insurance Products Fund of Funds Trust: AZL MVP BlackRock Global Strategy Plus Fund	
Allianz Variable Insurance Products Trust: AZL Pyramis Multi-Strategy Fund	
Allianz Variable Insurance Products Trust: AZL T Rowe Price Capital Appreciation Fund; Class 2 Shares	
AXA Premier VIP Trust: AXA Moderate Allocation Portfolio; Class B Shares	
BlackRock Variable Series Funds, Inc: BlackRock Global Allocation VI Fund; Class III Common Stock Shares	
Columbia Funds Variable Series Trust II: Columbia Variable Portfolio-Balanced Fund; Class 3 Shares	
EQ Advisors Trust: AXA/Franklin Templeton Allocation Managed Volatility Portfolio; Class IB Shares	
JNL Series Trust: JNL/BlackRock Global Allocation Fund; Class A Shares	
JNL Series Trust: JNL/FPA + DoubleLine Flexible Allocation Fund; Class A Shares	
John Hancock Variable Insurance Trust: American Asset Allocation Trust; Series II Shares	
Lincoln Variable Insurance Products Trust: LVIP BlackRock Global Allocation VI Managed Risk Fund; Svc CI Shs	
MFS Variable Insurance Trust II: MFS Global Tactical Allocation Portfolio; Service Class Shares	
Nationwide Variable Insurance Trust: American Funds NVIT Asset Allocation Fund; Class II Shares	
Nationwide Variable Insurance Trust: NVIT Managed American Funds Asset Allocation Fund; Class II Shares	
Northwestern Mutual Series Fund, Inc: Balanced Portfolio	
Penn Series Funds, Inc: Flexibly Managed Fund	
State Street Variable Insurance Series Funds, Inc: State Street Total Return VIS Fund; Class 3 Shares	SSTTX
SunAmerica Series Trust: SA American Funds VCP Managed Asset Allocation Portfolio; Class 3 Shares	
SunAmerica Series Trust: SA VCP Dynamic Allocation Portfolio; Class 3 Shares	
SunAmerica Series Trust: SA VCP Dynamic Strategy Portfolio; Class 3 Shares	
Transamerica Series Trust: Transamerica BlackRock Global Allocation VP; Service Class Shares	
Transamerica Series Trust: Transamerica BlackRock Tactical Allocation VP; Service Class Shares	
Transamerica Series Trust: Transamerica Market Participation Strategy VP; Service Class Shares	
Transamerica Series Trust: Transamerica QS Investors Active Asset Allocation-Moderate Growth VP; Service CI Sh	
Transamerica Series Trust: Transamerica QS Investors Active Asset Allocation-Moderate VP; Service Class Shares	
Variable Insurance Products Fund V: Asset Manager Portfolio; Initial Class Shares	
Voya Investors Trust: VY T Rowe Price Capital Appreciation Portfolio; Service Class Shares	ITCSX
Voya Partners, Inc: VY Invesco Equity and Income Portfolio; Service Class Shares	IUASX

**Index Name Full Fund Name**

**Nasdaq Symbol**

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**Lipper VUF General Bond Funds Index**

Advanced Series Trust: AST Bond Portfolio 2027  
Advanced Series Trust: AST Multi-Sector Fixed Income Portfolio  
Allianz Variable Insurance Products Trust: AZL Enhanced Bond Index Fund  
Franklin Templeton Variable Insurance Products Trust: Franklin Strategic Income VIP Fund; Class 1 Shares  
JNL Series Trust: JNL/Neuberger Berman Strategic Income Fund; Class A Shares  
John Hancock Variable Insurance Trust: Active Bond Trust; NAV Shares  
Lincoln Variable Insurance Products Trust: LVIP American Preservation Fund; Service Class Shares  
Nationwide Variable Insurance Trust: NVIT Multi Sector Bond Fund; Class I Shares  
Northwestern Mutual Series Fund, Inc: Multi-Sector Bond Portfolio  
VALIC Company II: Strategic Bond Fund VCSBX

**Lipper VUF General US Government Funds Index**

American Funds Insurance Series: US Government/AAA-Rated Securities Fund; Class 1 Shares  
Anchor Series Trust: SA Wellington Government & Quality Bond Portfolio; Class 3 Shares  
Columbia Funds Variable Series Trust II: Variable Portfolio - Wells Fargo Short Dur Govt Fund; Class 1 Shares  
EQ Advisors Trust: EQ/Intermediate Government Bond Portfolio; Class K Shares  
Franklin Templeton Variable Insurance Products Trust: Franklin US Government Securities VIP Fund; Class 2 Shs  
Hartford HLS Series Fund II, Inc: Hartford US Government Securities HLS Fund; Class IA Shares HAUSX  
JNL Series Trust: JNL/JPMorgan US Government & Quality Bond Fund; Class A Shares  
MFS Variable Insurance Trust II: MFS Government Securities Portfolio; Initial Class Shares  
Nationwide Variable Insurance Trust: NVIT Government Bond Fund; Class I Shares  
Pacific Select Fund: Short Duration Bond Portfolio; Class I Shares

**Index Name Full Fund Name**

**Nasdaq Symbol**

**Lipper VUF Global Funds Index**

Advanced Series Trust: AST MFS Global Equity Portfolio	
American Funds Insurance Series: Global Growth & Income Fund; Class 2 Shares	
American Funds Insurance Series: Global Growth Fund; Class 2 Shares	
American Funds Insurance Series: Global Small Capitalization Fund; Class 2 Shares	
EQ Advisors Trust: AXA Global Equity Managed Volatility Portfolio; Class IB Shares	
EQ Advisors Trust: AXA/Templeton Global Equity Managed Volatility Portfolio; Class K Shares	
Franklin Templeton Variable Insurance Products Trust: Franklin Mutual Global Discovery VIP Fund; Class 2 Shs	
Franklin Templeton Variable Insurance Products Trust: Templeton Growth VIP Fund; Class 2 Shares	
Hartford Series Fund, Inc: Hartford Global Growth HLS Fund; Class IA Shares	HIALX
Ivy Variable Insurance Portfolios: Ivy VIP Global Growth	
Janus Aspen Series: Janus Henderson Global Research Portfolio; Institutional Shares	JAWGX
JNL Series Trust: JNL/American Funds Global Small Capitalization Fund; Class A Shares	
JNL Series Trust: JNL/Franklin Templeton Global Fund; Class A Shares	
JNL Series Trust: JNL/Franklin Templeton Mutual Shares Fund; Class A Shares	
JNL Series Trust: JNL/Oppenheimer Global Growth Fund; Class A Shares	
JNL Variable Fund LLC: JNL/Mellon Capital MSCI World Index Fund; Class A Shares	
John Hancock Variable Insurance Trust: Strategic Equity Allocation Trust; Series NAV Shares	
Lincoln Variable Insurance Products Trust: LVIP Franklin Templeton Global Equity Managed Volatility Fund; Svc	
Lincoln Variable Insurance Products Trust: LVIP Franklin Templeton Value Managed Volatility Fund; Service Shs	
Nationwide Variable Insurance Trust: American Funds NVIT Global Growth Fund; Class II Shares	
Oppenheimer Variable Account Funds: Oppenheimer Global Fund/VA; Non-Service Shares	
PIMCO Equity Series VIT: PIMCO StocksPLUS Global Portfolio; Advisor Class Shares	
Prudential Series Fund: Global Portfolio; Class I Shares	
SunAmerica Series Trust: SA American Funds Global Growth Portfolio; Class 3 Shares	
SunAmerica Series Trust: SA JPMorgan Global Equities Portfolio; Class 1 Shares	
Thrivent Series Fund, Inc: Thrivent Large Cap Stock Portfolio	
VALIC Company I: Global Social Awareness Fund	VCSEX
Voya Investors Trust: VY Morgan Stanley Global Franchise Portfolio; Service Class Shares	IVGTX
Voya Partners, Inc: VY Oppenheimer Global Portfolio; Initial Class Shares	IGMIX
Voya Variable Portfolios, Inc: Voya Global Equity Portfolio; Class S Shares	IGHSX

**Index Name Full Fund Name**

**Nasdaq Symbol**

**Lipper VUF Global Income Funds Index**

Advanced Series Trust: AST AB Global Bond Portfolio	
Advanced Series Trust: AST Goldman Sachs Global Income Portfolio	
Advanced Series Trust: AST Goldman Sachs Strategic Income Portfolio	
Advanced Series Trust: AST Templeton Global Bond Portfolio	
Advanced Series Trust: AST Wellington Management Global Bond Portfolio	
Advanced Series Trust: AST Western Asset Emerging Markets Debt Portfolio	
American Funds Insurance Series: Global Bond Fund; Class 2 Shares	
Columbia Funds Variable Series Trust II: Columbia Variable Portfolio-Emerging Markets Bond Fd; Class 1 Shares	
Columbia Funds Variable Series Trust II: Columbia Variable Portfolio-Global Bond Fund; Class 3 Shares	
DFA Investment Dimensions Group Inc: VA Global Bond Portfolio	
EQ Advisors Trust: EQ/Global Bond PLUS Portfolio; Class IB Shares	
Franklin Templeton Variable Insurance Products Trust: Templeton Global Bond VIP Fund; Class 2 Shares	
JNL Series Trust: JNL/American Funds Global Bond Fund; Class A Shares	
JNL Series Trust: JNL/Franklin Templeton Global Multisector Bond Fund; Class A Shares	
JNL Series Trust: JNL/Goldman Sachs Emerging Markets Debt Fund; Class A Shares	
John Hancock Variable Insurance Trust: Global Bond Trust; NAV Shares	
John Hancock Variable Insurance Trust: Strategic Income Opportunities Trust; Series I Shares	JESNX
Lincoln Variable Insurance Products Trust: LVIP Dimensional/Vanguard Total Bond Fund; Service Class Shares	
Lincoln Variable Insurance Products Trust: LVIP Global Income Fund; Service Class	
MainStay VP Funds Trust: MainStay VP Unconstrained Bond Portfolio; Service Class Shares	
MFS Variable Insurance Trust II: MFS Global Governments Portfolio; Initial Class Shares	
Morgan Stanley Variable Insurance Fund Inc: Emerging Markets Debt Portfolio; Class I Shares	MEMNX
Oppenheimer Variable Account Funds: Oppenheimer Global Strategic Income Fund; Service Shares/VA	
PIMCO Variable Insurance Trust: PIMCO Emerging Markets Bond Portfolio; Administrative Class	
PIMCO Variable Insurance Trust: PIMCO Foreign Bond Portfolio (US Dollar-Hedged); Advisor Class Shares	
PIMCO Variable Insurance Trust: PIMCO Global Bond Portfolio (Unhedged); Administrative Class Shares	
PIMCO Variable Insurance Trust: PIMCO Global Core Bond (Hedged) Portfolio; Administrative Class Shares	
Securian Funds Trust: Advantus International Bond Fund; Class 2 Shares	
SunAmerica Series Trust: SA Goldman Sachs Global Bond Portfolio; Class 3 Shares	
VALIC Company I: International Government Bond Fund	VCIFX

**Index Name    Full Fund Name**

**Nasdaq Symbol**

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**Lipper VUF Global Real Estate Index**

Advanced Series Trust: AST Global Real Estate Portfolio	
AIM Variable Insurance Funds (Invesco Variable Insurance Funds): Invesco VI Global Real Estate Fd; Srs I Shs	
Allianz Variable Insurance Products Trust: AZL Morgan Stanley Global Real Estate Fund	
Franklin Templeton Variable Insurance Products Trust: Franklin Global Real Estate VIP Fund; Class 2 Shares	
JNL Series Trust: JNL/Invesco Global Real Estate Fund; Class A Shares	
Lincoln Variable Insurance Products Trust: LVIP Clarion Global Real Estate Fund; Standard Class Shares	
Russell Investment Funds: Global Real Estate Securities Fund	RIFSX
Transamerica Series Trust: Transamerica Clarion Global Real Estate Securities VP; Initial Class Shares	
VALIC Company I: Global Real Estate Fund	VGREX
Voya Investors Trust: VY Clarion Global Real Estate Portfolio; Institutional Class Shares	IRGIX

**Index Name    Full Fund Name**

**Nasdaq Symbol**

**Lipper VUF Growth & Income Funds Index**

Advanced Series Trust: AST RCM World Trends Portfolio  
American Funds Insurance Series: Blue Chip Income & Growth Fund; Class 2 Shares  
American Funds Insurance Series: Growth-Income Fund; Class 2 Shares  
Columbia Funds Variable Insurance Trust: Columbia Variable Portfolio-Managed Volatility Growth Fund; CI 2 Shs  
Columbia Funds Variable Series Trust II: Columbia Variable Portfolio-Managed Volatility Modt Gro Fd; CI 2 Shs  
Columbia Funds Variable Series Trust II: Variable Portfolio - Moderate Portfolio; Class 4 Shares  
Columbia Funds Variable Series Trust II: Variable Portfolio - Moderately Aggressive Portfolio; Class 4 Shares  
EQ Advisors Trust: AXA Balanced Strategy Portfolio; Class IB Shares  
EQ Advisors Trust: AXA Growth Strategy Portfolio; Class IB Shares  
EQ Advisors Trust: AXA Large Cap Value Managed Volatility Portfolio; Class IB Shares  
EQ Advisors Trust: AXA Moderate Growth Strategy Portfolio; Class IB Shares  
Franklin Templeton Variable Insurance Products Trust: Franklin Mutual Shares VIP Fund; Class 2 Shares  
JNL Series Trust: JNL/American Funds Growth-Income Fund; Class A Shares  
JNL Series Trust: JNL/S&P Dividend Income & Growth Fund; Class A Shares  
JNL Series Trust: JNL/S&P Managed Growth Fund; Class A Shares  
JNL Series Trust: JNL/S&P Managed Moderate Fund; Class A Shares  
JNL Series Trust: JNL/S&P Managed Moderate Growth Fund; Class A Shares  
JNL Series Trust: JNL/T Rowe Price Established Growth Fund; Class A Shares  
JNL Variable Fund LLC: JNL/Mellon Capital JNL 5 Fund; Class A Shares  
Lincoln Variable Insurance Products Trust: LVIP American Global Growth Allocation Managed Risk Fund; Service  
Lincoln Variable Insurance Products Trust: LVIP Global Growth Allocation Managed Risk Fund; Service CI Shs  
Pacific Select Fund: Portfolio Optimization Moderate Portfolio; Class I Shares  
Pacific Select Fund: Portfolio Optimization Moderate-Conservative Portfolio; Class I Shares  
Principal Variable Contracts Funds, Inc: Diversified Growth Account; Class 2 Shares  
Prudential Series Fund: Flexible Managed Portfolio; Class I Shares  
Thrivent Series Fund, Inc: Thrivent Moderately Aggressive Allocation Portfolio  
Transamerica Series Trust: Transamerica Asset Allocation-Moderate Growth VP; Service Class Shares  
Transamerica Series Trust: Transamerica Managed Risk - Balanced ETF VP; Service Class Shares  
Variable Insurance Products Fund V: Fundsmanager 60% Portfolio; Investor Class Shares  
Voya Investors Trust: Voya Retirement Growth Portfolio; Advisor Class Shares

IRGPX



**Lipper VUF Growth Funds Index**

Advanced Series Trust: AST AQR Large-Cap Portfolio  
 Advanced Series Trust: AST Capital Growth Asset Allocation Portfolio  
 Advanced Series Trust: AST Loomis Sayles Large-Cap Growth Portfolio  
 Advanced Series Trust: AST Prudential Growth Allocation Portfolio  
 Advanced Series Trust: AST QMA Large-Cap Portfolio  
 Advanced Series Trust: AST Wellington Management Hedged Equity Portfolio  
 Allianz Variable Insurance Products Fund of Funds Trust: AZL MVP Growth Index Strategy Fund  
 American Funds Insurance Series: Growth Fund; Class 2 Shares  
 AXA Premier VIP Trust: AXA Aggressive Allocation Portfolio; Class B Shares  
 AXA Premier VIP Trust: AXA Moderate-Plus Allocation Portfolio; Class B Shares  
 Columbia Funds Variable Series Trust II: Columbia Variable Portfolio-Disciplined Core Fund; Class 1 Shs  
 Columbia Funds Variable Series Trust II: Variable Portfolio - Loomis Sayles Growth Fund; Class 1 Shares  
 Columbia Funds Variable Series Trust II: Variable Portfolio - MFS Value Fund; Class 1 Shares  
 EQ Advisors Trust: ATM Large Cap Managed Volatility Portfolio; Class K Shares  
 EQ Advisors Trust: AXA 500 Managed Volatility Portfolio; Class K Shares  
 EQ Advisors Trust: EQ/Common Stock Index Portfolio; Class IA Shares  
 JNL Series Trust: JNL/BlackRock Large Cap Select Growth Fund; Class A Shares  
 JNL Series Trust: JNL/S&P 4 Fund; Class A Shares  
 JNL Series Trust: JNL/S&P Competitive Advantage Fund; Class A Shares  
 JNL Series Trust: JNL/S&P Intrinsic Value Fund; Class A Shares  
 JNL Series Trust: JNL/S&P Managed Aggressive Growth Fund; Class A Shares  
 JNL Series Trust: JNL/S&P Total Yield Fund; Class A Shares  
 John Hancock Variable Insurance Trust: Managed Volatility Growth Portfolio; Series II Shares  
 Pacific Select Fund: Portfolio Optimization Aggressive-Growth Portfolio; Class I Shares  
 Pacific Select Fund: Portfolio Optimization Growth Portfolio; Class I Shares  
 Prudential Series Fund: Equity Portfolio; Class I Shares  
 Transamerica Series Trust: Transamerica WMC US Growth VP; Initial Class Shares  
 Variable Insurance Products Fund II: Contrafund Portfolio; Service Class 2 Shares  
 Variable Insurance Products Fund: Growth Portfolio; Initial Class Shares  
 Voya Investors Trust: Voya Large Cap Growth Portfolio; Adviser Class Shares

IEOPX

**Index Name    Full Fund Name**

**Nasdaq Symbol**

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**Lipper VUF Health Biotech Funds Index**

AIM Variable Insurance Funds (Invesco Variable Insurance Funds): Invesco VI Global Health Care Fd; Srs I Shs	
Hartford Series Fund, Inc: Hartford Healthcare HLS Fund; Class IA Shares	HIAHX
JNL Variable Fund LLC: JNL/Mellon Capital Healthcare Sector Fund; Class A Shares	
John Hancock Variable Insurance Trust: Health Sciences Trust; Series I Shares	JEHSX
Pacific Select Fund: Health Sciences Portfolio; Class I Shares	
Putnam Variable Trust: Putnam VT Global Health Care Fund; Class IB Shares	
T Rowe Price Equity Series, Inc: T Rowe Price Health Sciences Portfolio-II	
Thrivent Series Fund, Inc: Thrivent Partner Healthcare Portfolio	
VALIC Company I: Health Sciences Fund	VCHSX
Variable Insurance Products Fund IV: Health Care Portfolio; Initial Class Shares	

**Index Name Full Fund Name**

**Nasdaq Symbol**

**Lipper VUF High Yield Funds Index**

Advanced Series Trust: AST High Yield Portfolio	
American Funds Insurance Series: High-Income Bond Fund; Class 2 Shares	
BlackRock Variable Series Funds, Inc: BlackRock High Yield VI Fund; Class III Common Stock Shares	
Columbia Funds Variable Series Trust II: Columbia Variable Portfolio-High Yield Bond Fund; Class 3 Shares	
Eaton Vance Variable Trust: Eaton Vance VT Floating-Rate Income Fund; Initial Class Shares	
Federated Insurance Series: Federated High Income Bond Fund II; Primary Shares	
Hartford Series Fund, Inc: Hartford High Yield HLS Fund; Class IA Shares	HIAYX
Ivy Variable Insurance Portfolios: Ivy VIP High Income; Class II Shares	
JNL Series Trust: JNL/PPM America Floating Rate Income Fund; Class A Shares	
JNL Series Trust: JNL/PPM America High Yield Bond Fund; Class A Shares	
Lincoln Variable Insurance Products Trust: LVIP Delaware Diversified Floating Rate Fund; Service Class Shs	
Lincoln Variable Insurance Products Trust: LVIP JPMorgan High Yield Fund; Standard Class Shares	
Lord Abbett Series Fund, Inc: Bond-Debenture Portfolio; Variable Contract Class Shares	
MainStay VP Funds Trust: MainStay VP Floating Rate Portfolio; Service Class Shares	
MainStay VP Funds Trust: MainStay VP High Yield Corporate Bond Portfolio; Initial Class Shares	
MFS Variable Insurance Trust II: MFS High Yield Portfolio; Initial Class Shares	
Northwestern Mutual Series Fund, Inc: High Yield Bond Portfolio	
Ohio National Fund, Inc: High Income Bond Portfolio	
Pacific Select Fund: High Yield Bond Portfolio; Class I Shares	
Penn Series Funds, Inc: High Yield Bond Fund	
PIMCO Variable Insurance Trust: PIMCO High Yield Portfolio; Administrative Class	
Prudential Series Fund: High Yield Bond Portfolio; Class I Shares	
Putnam Variable Trust: Putnam VT High Yield Fund; Class IA Shares	
SunAmerica Series Trust: SA PineBridge High-Yield Bond Portfolio; Class 1 Shares	
Thrivent Series Fund, Inc: Thrivent High Yield Portfolio	
VALIC Company II: High Yield Bond Fund	VCHYX
Vanguard Variable Insurance Fund: High Yield Bond Portfolio; Investor Share Class	
Variable Insurance Products Fund V: Strategic Income Portfolio; Investor Class Shares	
Variable Insurance Products Fund: High Income Portfolio; Initial Class Shares	
Voya Investors Trust: Voya High Yield Portfolio; Service Class Shares	IPHYX

**Index Name Full Fund Name**

**Nasdaq Symbol**

**Lipper VUF Income Funds Index**

Advanced Series Trust: AST Preservation Asset Allocation Portfolio	
AIM Variable Insurance Funds (Invesco Variable Insurance Funds): Invesco VI Equity and Income Fund; CI II Shs	UEIIX
AXA Premier VIP Trust: AXA Conservative Allocation Portfolio; Class B Shares	
AXA Premier VIP Trust: AXA Conservative-Plus Allocation Portfolio; Class B Shares	
EQ Advisors Trust: AXA Conservative Strategy Portfolio; Class IB Shares	
EQ Advisors Trust: AXA Ultra Conservative Strategy Portfolio; Class IB Shares	
EQ Advisors Trust: AXA/Franklin Balanced Managed Volatility Portfolio; Class IB Shares	
Federated Insurance Series: Federated Managed Volatility Fund II	
Franklin Templeton Variable Insurance Products Trust: Franklin Income VIP Fund; Class 2 Shares	
Ivy Variable Insurance Portfolios: Ivy VIP Pathfinder Moderately Conservative	
JNL Series Trust: JNL/Franklin Templeton Income Fund; Class A Shares	
JNL Series Trust: JNL/S&P Managed Conservative Fund; Class A Shares	
John Hancock Variable Insurance Trust: Lifestyle Conservative Portfolio; Series II Shares	
John Hancock Variable Insurance Trust: Managed Volatility Conservative Portfolio; Series II Shares	
Lincoln Variable Insurance Products Trust: LVIP Global Conservative Allocation Managed Risk Fund; Service	
MainStay VP Funds Trust: MainStay VP Conservative Allocation Portfolio; Service Class Shares	
MML Series Investment Fund II: MML Blend Fund; Initial Class Shares	
Nationwide Variable Insurance Trust: NVIT Investor Destinations Conservative Fund; Class II Shares	
Nationwide Variable Insurance Trust: NVIT Investor Destinations Moderately Conservative Fund; CI II	
Pacific Select Fund: Pacific Dynamix - Conservative Growth Portfolio; Class I Shares	
Pacific Select Fund: Portfolio Optimization Conservative Portfolio; Class I Shares	
Principal Variable Contracts Funds, Inc: Diversified Income Account; Class 2 Shares	
Principal Variable Contracts Funds, Inc: SAM Flexible Income Portfolio; Class 1 Shares	
Thrivent Series Fund, Inc: Thrivent Diversified Income Plus Portfolio	
Transamerica Series Trust: Transamerica Asset Allocation-Conservative VP; Service Class Shares	
Vanguard Variable Insurance Fund: Conservative Allocation Portfolio; Investor Share Class	
Variable Insurance Products Fund V: Fundsmanager 20% Portfolio; Investor Class Shares	
Voya Investors Trust: VY Franklin Income Portfolio; Service Class Shares	IIFSX
Voya Partners, Inc: Voya Index Solution Income Portfolio; Service Class Shares	ISKSX
Voya Partners, Inc: Voya Solution Income Portfolio; Adviser Class Shares	ISWAX

**Index Name    Full Fund Name**

**Nasdaq Symbol**

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**Lipper VUF Inflation Protected Bond Funds Index**

American Century Variable Portfolios II, Inc: VP Inflation Protection Fund; Class II Shares	AIPTX
JNL Series Trust: JNL/PIMCO Real Return Fund; Class A Shares	
Lincoln Variable Insurance Products Trust: LVIP BlackRock Inflation Protected Bond Fund; Service Class Shs	
MML Series Investment Fund II: MML Inflation-Protected & Income Fund; Initial Class Shares	
Northwestern Mutual Series Fund, Inc: Inflation Protection Portfolio	
Pacific Select Fund: Inflation Managed Portfolio; Class I Shares	
PIMCO Variable Insurance Trust: PIMCO Real Return Portfolio; Administrative Class	
Seasons Series Trust: SA Wellington Real Return Portfolio; Class 3 Shares	
VALIC Company I: Inflation Protected Fund	VCTPX
Voya Investors Trust: VY BlackRock Inflation Protected Bond Portfolio; Institutional Class Shares	IBRIX

**Index Name Full Fund Name**

**Nasdaq Symbol**

**Lipper VUF International Funds Index**

Advanced Series Trust: AST International Growth Portfolio  
Advanced Series Trust: AST International Value Portfolio  
AIM Variable Insurance Funds (Invesco Variable Insurance Funds): Invesco VI International Gro Fd; Srs II Shs  
Allianz Variable Insurance Products Trust: AZL International Index Fund  
American Funds Insurance Series: International Fund; Class 2 Shares  
Columbia Funds Variable Insurance Trust: Variable Portfolio-Lazard Intl Equity Advantage Fund; Class 1 Shares  
Columbia Funds Variable Series Trust II: Variable Portfolio - DFA International Value Fund; Class 1 Shares  
Columbia Funds Variable Series Trust II: Variable Portfolio - Oppenheimer International Growth Fund; Cl 1 Shs  
Columbia Funds Variable Series Trust II: Variable Portfolio - Pyramis International Eq Fund; Class 1 Shares  
EQ Advisors Trust: ATM International Managed Volatility Portfolio; Class K Shares  
EQ Advisors Trust: AXA International Core Managed Volatility Portfolio; Class IB Shares  
EQ Advisors Trust: AXA International Managed Volatility Portfolio; Class K Shares  
EQ Advisors Trust: EQ/MFS International Growth Portfolio; Class K Shares  
Franklin Templeton Variable Insurance Products Trust: Templeton Foreign VIP Fund; Class 2 Shares  
Hartford Series Fund, Inc: Hartford International Opportunities HLS Fund; Class IA Shares HIAOX  
Jackson Variable Series Trust: JNL/WCM Focused International Equity Fund; Class A Shares  
JNL Series Trust: JNL/American Funds International Fund; Class A Shares  
JNL Series Trust: JNL/Invesco International Growth Fund; Class A Shares  
JNL Series Trust: JNL/Mellon Capital International Index Fund; Class A Shares  
Lincoln Variable Insurance Products Trust: LVIP MFS International Growth Fund; Standard Class Shares  
Lincoln Variable Insurance Products Trust: LVIP Mondrian International Value Fund; Standard Class Shares  
Lincoln Variable Insurance Products Trust: LVIP SSgA International Index Fund; Standard Class Shares  
MFS Variable Insurance Trust II: MFS International Value Portfolio; Service Class Shares  
Nationwide Variable Insurance Trust: NVIT International Index Fund; Class Y Shares  
Nationwide Variable Insurance Trust: NVIT Multi-Manager International Growth Fund; Class Y Shares  
Nationwide Variable Insurance Trust: NVIT Multi-Manager International Value Fund; Class Y Shares  
Northwestern Mutual Series Fund, Inc: International Equity Portfolio  
Thrivent Series Fund, Inc: Thrivent Partner Worldwide Allocation Portfolio  
VALIC Company I: International Equities Index Fund VCIEX  
Vanguard Variable Insurance Fund: International Portfolio; Investor Share Class

**Lipper VUF Money Market Funds Index**

Advanced Series Trust: AST Government Money Market Portfolio	
AIM Variable Insurance Funds (Invesco Variable Insurance Funds): Invesco VI Govt Money Mkt Fund; Series I Shs	
Allianz Variable Insurance Products Trust: AZL Government Money Market Fund	
BlackRock Variable Series Funds, Inc: BlackRock Government Money Market VI Fund; Class I Common Stock Shares	
Columbia Funds Variable Series Trust II: Columbia Variable Portfolio-Government Mny Mkt Fund; Class 3 Shares	
Deutsche Variable Series II: Deutsche Government Money Market VIP; Class A Shares	
Dreyfus Variable Investment Fund: Government Money Market Portfolio; Initial Shares	
EQ Advisors Trust: EQ/Money Market Portfolio; Class IB Shares	
Goldman Sachs Variable Insurance Trust: Goldman Sachs Government Money Market Fund; Service Shares	
Ivy Variable Insurance Portfolios: Ivy VIP Government Money Market	
JNL Investors Series Trust: JNL Government Money Market Fund; Institutional Class Shares	
JNL Series Trust: JNL/WMC Government Money Market Fund; Class A Shares	
John Hancock Variable Insurance Trust: Money Market Trust; Series I Shares	JHOXX
Lincoln Variable Insurance Products Trust: LVIP Government Money Market Fund; Standard Class Shares	
MFS Variable Insurance Trust II: MFS US Government Money Market Portfolio; Initial Class Shares	
MML Series Investment Fund II: MML US Government Money Market Fund; Initial Class Shares	
Nationwide Variable Insurance Trust: NVIT Government Money Market Fund; Class I Shares	
Northwestern Mutual Series Fund, Inc: Government Money Market Portfolio	
Oppenheimer Variable Account Funds: Oppenheimer Government Money Fund/VA	
Penn Series Funds, Inc: Money Market Fund	
ProFunds: ProFund VP Government Money Market	
Prudential Series Fund: Government Money Market Portfolio; Class I Shares	
Thrivent Series Fund, Inc: Thrivent Money Market Portfolio	
Transamerica Series Trust: Transamerica Aegon Government Money Market VP; Service Class Shares	
VALIC Company I: Government Money Market I Fund	VCIXX
VALIC Company II: Government Money Market II Fund	VIIXX
Vanguard Variable Insurance Fund: Money Market Portfolio; Investor Share Class	
Variable Insurance Products Fund V: Government Money Market Portfolio; Investor Class Shares	
Voya Government Money Market Portfolio; Class I Shares	IVMXX
Voya Investors Trust: Voya Government Liquid Assets Portfolio; Service Class Shares	ISPXX





**Index Name Full Fund Name**

**Nasdaq Symbol**

**Lipper VUF S&P 500 Funds Index**

Allianz Variable Insurance Products Trust: AZL S&P 500 Index Fund; Class 2 Shares	
BlackRock Variable Series Funds, Inc: BlackRock S&P 500 Index VI Fund; Class I Common Stock Shares	
Calvert Variable Products, Inc: Calvert VP S&P 500 Index Portfolio	
Columbia Funds Variable Series Trust II: Columbia Variable Portfolio-Large Cap Index Fund; Class 3 Shares	
Dreyfus Stock Index Fund, Inc; Initial Shares	
EQ Advisors Trust: EQ/Equity 500 Index Portfolio; Class IA Shares	
HIMCO Variable Insurance Trust: HIMCO VIT Index Fund; Class IA Shares	HVIAX
JNL Series Trust: JNL/Mellon Capital S&P 500 Index Fund; Class A Shares	
John Hancock Variable Insurance Trust: 500 Index Trust; Series NAV Shares	
Lincoln Variable Insurance Products Trust: LVIP SSgA S&P 500 Index Fund; Standard Class Shares	
MainStay VP Funds Trust: MainStay VP S&P 500 Index Portfolio; Initial Class Shares	
Mutual of America Investment Corporation: Equity Index Fund	
Nationwide Variable Insurance Trust: NVIT S&P 500 Index Fund; Class Y Shares	
Northwestern Mutual Series Fund, Inc: Index 500 Stock Portfolio	
Ohio National Fund, Inc: S&P 500 Index Portfolio	
Pacific Select Fund: Equity Index Portfolio; Class I Shares	
Penn Series Funds, Inc: Index 500 Fund	
Principal Variable Contracts Funds, Inc: LargeCap S&P 500 Index Account; Class 1 Shares	
Principal Variable Contracts Funds, Inc: LargeCap S&P 500 Managed Volatility Index Account; Class 1 Shares	
Prudential Series Fund: Stock Index Portfolio; Class I Shares	
Schwab Annuity Portfolios: Schwab S&P 500 Index Portfolio	
Securian Funds Trust: Advantus Index 500 Fund; Class 2 Shares	
State Farm Variable Product Trust: Large Cap Equity Index Fund	
State Street Variable Insurance Series Funds, Inc: State Street S&P 500 Index VIS Fund; Class 1 Shares	SSSPX
SunAmerica Series Trust: SA Large Cap Index Portfolio; Class 1 Shares	
Thrivent Series Fund, Inc: Thrivent Large Cap Index Portfolio	
VALIC Company I: Stock Index Fund	VSTIX
Vanguard Variable Insurance Fund: Equity Index Portfolio; Investor Share Class	
Variable Insurance Products Fund II: Index 500 Portfolio; Initial Class Shares	
Voya Investors Trust: Voya US Stock Index Portfolio; Institutional Class Shares	INGIX

**Index Name Full Fund Name**

**Nasdaq Symbol**

**Lipper VUF Science & Technology Funds Index**

Dreyfus Investment Portfolios: Technology Growth Portfolio; Service Shares	
EQ Advisors Trust: Multimanager Technology Portfolio; Class IB Shares	
Ivy Variable Insurance Portfolios: Ivy VIP Science & Technology; Class II Shares	
Janus Aspen Series: Janus Henderson Global Technology Portfolio; Service Shares	
JNL Variable Fund LLC: JNL/Mellon Capital Information Technology Sector Fund; Class A Shares	
JNL Variable Fund LLC: JNL/Mellon Capital Telecommunications Sector Fund; Class A Shares	
John Hancock Variable Insurance Trust: Science & Technology Trust; Series I Shares	JESTX
MFS Variable Insurance Trust II: MFS Technology Portfolio; Service Class Shares	
VALIC Company I: Science & Technology Fund	VCSTX
Variable Insurance Products Fund IV: Technology Portfolio; Investor Class Shares	

**Lipper VUF Utility Funds Index**

JNL Series Trust: JNL/Mellon Capital Utilities Sector Fund; Class A Shares	
John Hancock Variable Insurance Trust: Utilities Trust; Series I Shares	JEUTX
MainStay VP Funds Trust: MainStay VP MFS Utilities Portfolio; Service Class Shares	
MFS Variable Insurance Trust: MFS Utilities Series; Initial Class Shares	
ProFunds: ProFund VP Utilities	
Putnam Variable Trust: Putnam VT Global Utilities; Class IA Shares	
Rydex Variable Trust: Utilities Fund	
SunAmerica Series Trust: SA MFS Telecom Utility Portfolio; Class 1 Shares	
Variable Insurance Products Fund IV: Utilities Portfolio; Initial Class Shares	

**USDE Underlying Fund**

**Lipper VUF Global Multi-Cap Growth Funds Index**

AB Variable Products Series Fund, Inc: AB VPS Global Thematic Growth Portfolio; Class B Shares  
 Deutsche Variable Series II: Deutsche Global Equity VIP; Class A Shares  
 Hartford Series Fund, Inc: Hartford Global Growth HLS Fund; Class IA Shares HIALX  
 Jackson Variable Series Trust: JNL/American Funds Global Growth Fund; Class A Shares  
 Janus Aspen Series: Janus Henderson Global Research Portfolio; Institutional Shares JAWGX  
 John Hancock Variable Insurance Trust: American Global Growth Trust; Series II Shares  
 Lincoln Variable Insurance Products Trust: LVIP American Global Growth Fund; Service Class II Shares  
 MFS Variable Insurance Trust II: MFS Global Growth Portfolio; Initial Class Shares  
 Nationwide Variable Insurance Trust: American Funds NVIT Global Growth Fund; Class II Shares  
 SunAmerica Series Trust: SA American Funds Global Growth Portfolio; Class 3 Shares

**Lipper VUF International Large-Cap Core Funds Index**

Advanced Series Trust: AST JPMorgan International Equity Portfolio  
 Columbia Funds Variable Series Trust II: Variable Portfolio - Pyramis International Eq Fund; Class 1 Shares  
 EQ Advisors Trust: AXA International Value Managed Volatility Portfolio; Class IB Shares  
 EQ Advisors Trust: EQ/International Equity Index Portfolio; Class IA Shares  
 Ivy Variable Insurance Portfolios: Ivy VIP International Core Equity  
 JNL Series Trust: JNL/Causeway International Value Select Fund; Class A Shares  
 Morgan Stanley Variable Investment Series: European Equity Portfolio; Class X Shares  
 Ultra Series Fund: International Stock Fund; Class I Shares

**Lipper VUF International Large-Cap Growth Funds Index**

AIM Variable Insurance Funds (Invesco Variable Insurance Funds): Invesco VI International Gro Fd; Srs I Shs  
 JNL Series Trust: JNL/Invesco International Growth Fund; Class A Shares  
 John Hancock Variable Insurance Trust: International Growth Stock Trust; Series NAV Shares  
 M Fund, Inc: M International Equity Fund MBEQX  
 Pacific Select Fund: International Large-Cap Portfolio; Class I Shares  
 Penn Series Funds, Inc: International Equity Fund  
 SunAmerica Series Trust: SA Morgan Stanley International Equities Portfolio; Class 1 Shares  
 Transamerica Series Trust: Transamerica MFS International Equity VP; Initial Class Shares  
 VALIC Company I: International Growth Fund VCINX  
 Virtus Variable Insurance Trust: Virtus Duff & Phelps International Series; Class A Shares

**Index Name Full Fund Name****Nasdaq Symbol****Lipper VUF International Multi-Cap Core Funds Index**

Advanced Series Trust: AST QMA International Core Equity Portfolio	
Allianz Variable Insurance Products Trust: AZL International Index Fund	
Columbia Funds Variable Insurance Trust: Variable Portfolio-Lazard Intl Equity Advantage Fund; Class 1 Shares	
EQ Advisors Trust: ATM International Managed Volatility Portfolio; Class K Shares	
EQ Advisors Trust: AXA International Core Managed Volatility Portfolio; Class IB Shares	
EQ Advisors Trust: AXA International Managed Volatility Portfolio; Class K Shares	
First Eagle Variable Funds: First Eagle Overseas Variable Fund	FEOVX
JNL Series Trust: JNL/Mellon Capital International Index Fund; Class A Shares	
John Hancock Variable Insurance Trust: International Equity Index Trust; Series NAV Shares	JVANX
Lincoln Variable Insurance Products Trust: LVIP Dimensional International Core Equity Fd; Standard Class Shs	
Lincoln Variable Insurance Products Trust: LVIP Dimensional International Equity Managed Volatility Fd; Svc Sh	
Lincoln Variable Insurance Products Trust: LVIP MFS International Equity Managed Volatility Fund; Service	
Lincoln Variable Insurance Products Trust: LVIP SSgA International Index Fund; Standard Class Shares	
Lincoln Variable Insurance Products Trust: LVIP SSgA International Managed Volatility Fund; Service Class Shs	
MML Series Investment Fund: MML Foreign Fund; Initial Class Shares	
MML Series Investment Fund: MML International Equity Fund; Class II Shares	
Mutual of America Investment Corporation: International Fund	
Nationwide Variable Insurance Trust: NVIT International Index Fund; Class Y Shares	
Northwestern Mutual Series Fund, Inc: Research International Core Portfolio	
Ohio National Fund, Inc: ON International Equity Portfolio	
Putnam Variable Trust: Putnam VT International Equity Fund; Class IB Shares	
Russell Investment Funds: International Developed Markets Fund	RIFCX
Seasons Series Trust: SA Multi-Managed International Equity Portfolio; Class 1 Shares	
State Farm Variable Product Trust: International Equity Index Fund	
Thrivent Series Fund, Inc: Thrivent Partner Worldwide Allocation Portfolio	
VALIC Company I: International Equities Index Fund	VCIEX
Voya Partners, Inc: VY Templeton Foreign Equity Portfolio; Service Class Shares	IFTSX
Voya Variable Portfolios, Inc: Voya Australia Index Portfolio; Class I Shares	IAIIX
Voya Variable Portfolios, Inc: Voya International Index Portfolio; Adviser Class Shares	IIIAX
Voya Variable Portfolios, Inc: Voya Japan TOPIX Index Portfolio; Class I Shares	JIIIX

**Index Name Full Fund Name****Nasdaq Symbol****Lipper VUF International Multi-Cap Growth Funds Index**

Advanced Series Trust: AST International Growth Portfolio	
American Century Variable Portfolios, Inc: VP International Fund; Class I Shares	AVIIX
American Funds Insurance Series: American Funds Managed Risk Growth and Income Portfolio; Class P2 Shares	
American Funds Insurance Series: International Fund; Class 1 Shares	
American Funds Insurance Series: International Growth & Income Fund; Class 1 Shares	
BlackRock Variable Series Funds, Inc: BlackRock International VI Fund; Class I Common Stock Shares	
Columbia Funds Variable Series Trust II: Columbia Variable Portfolio-Select International Equity Fund; CI 3 Sh	
Columbia Funds Variable Series Trust II: Variable Portfolio - Oppenheimer International Growth Fund; CI 1 Shs	
EQ Advisors Trust: EQ/MFS International Growth Portfolio; Class IB Shares	
Jackson Variable Series Trust: JNL/WCM Focused International Equity Fund; Class A Shares	
Janus Aspen Series: Janus Henderson Overseas Portfolio; Institutional Shares	JAIGX
JNL Series Trust: JNL/American Funds International Fund; Class A Shares	
John Hancock Variable Insurance Trust: American International Trust; Series II Shares	
Lincoln Variable Insurance Products Trust: LVIP American International Fund; Service Class II Shares	
Lincoln Variable Insurance Products Trust: LVIP MFS International Growth Fund; Standard Class Shares	
MainStay VP Funds Trust: MainStay VP International Equity Portfolio; Initial Class Shares	
MFS Variable Insurance Trust II: MFS International Growth Portfolio; Initial Class Shares	
MFS Variable Insurance Trust II: MFS International Value Portfolio; Service Class Shares	
MFS Variable Insurance Trust II: MFS Research International Portfolio; Initial Class Shares	
Nationwide Variable Insurance Trust: NVIT Multi-Manager International Growth Fund; Class II Shares	
Northwestern Mutual Series Fund, Inc: International Growth Portfolio	
Oppenheimer Variable Account Funds: Oppenheimer International Growth Fund/VA; Non-Service Shares	
Principal Variable Contracts Funds, Inc: Diversified International Account; Class 1 Shares	
T Rowe Price International Series, Inc: T Rowe Price International Stock Portfolio	
TIAA-CREF Life Funds: International Equity Fund	TLINX
Vanguard Variable Insurance Fund: International Portfolio; Investor Share Class	
Variable Insurance Products Fund II: International Capital Appreciation Portfolio; Investor Class Shares	
Variable Insurance Products Fund: Overseas Portfolio; Initial Class Shares	
Victory Variable Insurance Funds: Victory RS International VIP Series; Class I Shares	
Voya Investors Trust: VY T Rowe Price International Stock Portfolio; Service Class Shares	IMISX

**Index Name Full Fund Name**

**Nasdaq Symbol**

**Lipper VUF Large-Cap Core Funds Index**

AB Variable Products Series Fund, Inc: AB VPS Growth and Income Portfolio; Class B Shares	
Advanced Series Trust: AST AQR Large-Cap Portfolio	
Advanced Series Trust: AST MFS Large-Cap Value Portfolio	
Advanced Series Trust: AST QMA Large-Cap Portfolio	
AIM Variable Insurance Funds (Invesco Variable Insurance Funds): Invesco VI Core Equity Fund; Series I Shs	
American Funds Insurance Series: Blue Chip Income & Growth Fund; Class 1 Shares	
American Funds Insurance Series: Growth-Income Fund; Class 2 Shares	
Columbia Funds Variable Insurance Trust: Columbia Variable Portfolio-Contrarian Core Fund; Class 1 Shares	
Columbia Funds Variable Series Trust II: Columbia Variable Portfolio-Disciplined Core Fund; Class 1 Shs	
Columbia Funds Variable Series Trust II: Variable Portfolio - MFS Blended Research Core Equity Fund; Cl 1 Shs	
EQ Advisors Trust: ATM Large Cap Managed Volatility Portfolio; Class K Shares	
EQ Advisors Trust: AXA 500 Managed Volatility Portfolio; Class K Shares	
EQ Advisors Trust: AXA Large Cap Core Managed Volatility Portfolio; Class IB Shares	
Hartford Series Fund, Inc: Hartford Disciplined Equity HLS Fund; Class IA Shares	HIAGX
Hartford Series Fund, Inc: Hartford Stock HLS Fund; Class IA Shares	HSTAX
JNL Series Trust: JNL/American Funds Blue Chip Income & Growth Fund; Class A Shares	
JNL Series Trust: JNL/American Funds Growth-Income Fund; Class A Shares	
John Hancock Variable Insurance Trust: American Growth-Income Trust; Series II Shares	
Legg Mason Partners Variable Equity Trust: ClearBridge Variable Appreciation Portfolio; Class I Shares	
MainStay VP Funds Trust: MainStay VP Epoch US Equity Yield Portfolio; Initial Class Shares	
Nationwide Variable Insurance Trust: American Funds NVIT Growth-Income Fund; Class II Shares	
Oppenheimer Variable Account Funds: Oppenheimer Main Street Fund/VA; Service Shares	
SunAmerica Series Trust: SA MFS Massachusetts Investors Trust Portfolio; Class 1 Shares	
Transamerica Series Trust: Transamerica JPMorgan Enhanced Index VP; Initial Class Shares	
VALIC Company II: Socially Responsible Fund	VCSRX
Vanguard Variable Insurance Fund: Capital Growth Portfolio; Investor Share Class	
Variable Insurance Products Fund II: Contrafund Portfolio; Service Class 2 Shares	
Victory Variable Insurance Funds: Victory RS Large Cap Alpha VIP Series; Class I Shares	GUSFX
Voya Variable Funds: Voya Growth and Income Portfolio; Class I Shares	IIVGX
Voya Variable Portfolios, Inc: Voya Index Plus LargeCap Portfolio; Class I Shares	IPLIX

**Index Name Full Fund Name**

**Nasdaq Symbol**

**Lipper VUF Large-Cap Growth Funds Index**

Advanced Series Trust: AST Jennison Large-Cap Growth Portfolio	
Advanced Series Trust: AST Loomis Sayles Large-Cap Growth Portfolio	
Advanced Series Trust: AST MFS Growth Portfolio	
Advanced Series Trust: AST T Rowe Price Large-Cap Growth Portfolio	
Allianz Variable Insurance Products Trust: AZL Russell 1000 Growth Index Fund	
American Funds Insurance Series: Growth Fund; Class 2 Shares	
Columbia Funds Variable Series Trust II: Columbia Variable Portfolio-Large Cap Growth Fund; Class 1 Shares	
Columbia Funds Variable Series Trust II: Variable Portfolio - Loomis Sayles Growth Fund; Class 1 Shares	
Columbia Funds Variable Series Trust II: Variable Portfolio - Los Angeles Capital Large Cap Gr Fd; Cl 1 Shs	
Columbia Funds Variable Series Trust II: Variable Portfolio - Morgan Stanley Advantage Fund; Class 1 Shares	
Deutsche Variable Series I: Deutsche Capital Growth VIP; Class A Shares	
EQ Advisors Trust: AXA Large Cap Growth Managed Volatility Portfolio; Class IB Shares	
EQ Advisors Trust: EQ/Large Cap Growth Index Portfolio; Class IB Shares	
Ivy Variable Insurance Portfolios: Ivy VIP Growth	
JNL Series Trust: JNL/BlackRock Large Cap Select Growth Fund; Class A Shares	
JNL Series Trust: JNL/T Rowe Price Established Growth Fund; Class A Shares	
JNL Variable Fund LLC: JNL/Mellon Capital Nasdaq 100 Index Fund; Class A Shares	
John Hancock Variable Insurance Trust: Blue Chip Growth Trust; NAV Shares	
Lincoln Variable Insurance Products Trust: LVIP T Rowe Price Growth Stock Fund; Standard Class Shares	
MFS Variable Insurance Trust: MFS Growth Series; Initial Class Shares	
Northwestern Mutual Series Fund, Inc: Focused Appreciation Portfolio	
Northwestern Mutual Series Fund, Inc: Growth Stock Portfolio	
Prudential Series Fund: Equity Portfolio; Class I Shares	
Prudential Series Fund: Prudential Jennison Portfolio; Class I Shares	
Thrivent Series Fund, Inc: Thrivent Large Cap Growth Portfolio	
Transamerica Series Trust: Transamerica Jennison Growth VP; Initial Class Shares	
Transamerica Series Trust: Transamerica WMC US Growth VP; Initial Class Shares	
VALIC Company I: Growth Fund	VCULX
Voya Investors Trust: Voya Large Cap Growth Portfolio; Adviser Class Shares	IEOPX
Voya Partners, Inc: VY T Rowe Price Growth Equity Portfolio; Initial Class Shares	ITGIX

**Index Name Full Fund Name**

**Nasdaq Symbol**

**Lipper VUF Large-Cap Value Funds Index**

Advanced Series Trust: AST Goldman Sachs Large-Cap Value Portfolio	
Advanced Series Trust: AST Hotchkis & Wiley Large-Cap Value Portfolio	
AIM Variable Insurance Funds (Invesco Variable Insurance Funds): Invesco VI Comstock Fund; Series II Shs	
AIM Variable Insurance Funds (Invesco Variable Insurance Funds): Invesco VI Growth & Income Fd; Series II Shs	
American Century Variable Portfolios, Inc: VP Value Fund; Class II Shares	AVPVX
Columbia Funds Variable Series Trust II: Columbia Variable Portfolio-Select Large-Cap Value Fund; Class 1 Shs	
Columbia Funds Variable Series Trust II: Variable Portfolio - T Rowe Price Large Cap Value Fund; Class 1 Shs	
Delaware VIP Trust: Delaware VIP Value Series; Standard Class Shares	
EQ Advisors Trust: AXA Large Cap Value Managed Volatility Portfolio; Class IB Shares	
EQ Advisors Trust: EQ/BlackRock Basic Value Equity Portfolio; Class IB Shares	
Franklin Templeton Variable Insurance Products Trust: Franklin Mutual Shares VIP Fund; Class 2 Shares	
Goldman Sachs Variable Insurance Trust: Goldman Sachs Large Cap Value Fund; Service Class Shares	
Hartford Series Fund, Inc: Hartford Value HLS Fund; Class IA Shares	HIAVX
Ivy Variable Insurance Portfolios: Ivy VIP Value	
JNL Series Trust: JNL/DoubleLine Shiller Enhanced CAPE Fund; Class A Shares	
JNL Series Trust: JNL/S&P Dividend Income & Growth Fund; Class A Shares	
JNL Series Trust: JNL/T Rowe Price Value Fund; Class A Shares	
JNL Series Trust: JNL/WMC Value Fund; Class A Shares	
Lincoln Variable Insurance Products Trust: LVIP MFS Value Fund; Service Class Shares	
Lord Abbett Series Fund, Inc: Growth & Income Portfolio; Variable Contract Class Shares	
MML Series Investment Fund II: MML Equity Fund; Initial Class Shares	
Northwestern Mutual Series Fund, Inc: Domestic Equity Portfolio	
Ohio National Fund, Inc: Strategic Value Portfolio	
Prudential Series Fund: Value Portfolio; Class I Shares	
Seasons Series Trust: SA Multi-Managed Large Cap Value Portfolio; Class 1 Shares	
SunAmerica Series Trust: SA Legg Mason BW Large Cap Value Portfolio; Class 1 Shares	
Thrivent Series Fund, Inc: Thrivent Large Cap Value Portfolio	
VALIC Company I: Dividend Value Fund	VCIGX
Vanguard Variable Insurance Fund: Diversified Value Portfolio; Investor Share Class	
Voya Investors Trust: VY Invesco Growth & Income Portfolio; Service Class Shares	IVGSX



**Index Name Full Fund Name**

**Nasdaq Symbol**

**Lipper VUF Mid-Cap Core Funds Index**

Advanced Series Trust: AST Wedge Capital Mid-Cap Value Portfolio	
Allianz Variable Insurance Products Trust: AZL Mid Cap Index Fund	
Calvert Variable Products, Inc: Calvert VP S&P MidCap 400 Index Portfolio; Class I Shares	
Columbia Funds Variable Series Trust II: Variable Portfolio - Victory Sycamore Established Value Fd; CI 1 Shs	
EQ Advisors Trust: ATM Mid Cap Managed Volatility Portfolio; Class K Shares	
EQ Advisors Trust: AXA 400 Managed Volatility Portfolio; Class IB Shares	
EQ Advisors Trust: EQ/Mid Cap Index Portfolio; Class IB Shares	
Goldman Sachs Variable Insurance Trust: Goldman Sachs Mid Cap Value Fund; Institutional Class Shares	
Hartford Series Fund, Inc: Hartford MidCap Value HLS Fund; Class IA Shares	HMVIX
JNL Series Trust: JNL Multi-Manager Mid Cap Fund; Class A Shares	
JNL Series Trust: JNL/Mellon Capital S&P 400 MidCap Index Fund; Class A Shares	
JNL Series Trust: JNL/MFS Mid Cap Value Fund; Class A Shares	
Lincoln Variable Insurance Products Trust: LVIP Delaware Special Opportunities Fund; Standard Class Shares	
Lincoln Variable Insurance Products Trust: LVIP SSgA Mid-Cap Index Fund; Standard Class	
Lord Abbett Series Fund, Inc: Mid Cap Stock Portfolio; Variable Contract Class Shares	
MainStay VP Funds Trust: MainStay VP Mid Cap Core Portfolio; Initial Class Shares	
Mutual of America Investment Corporation: Mid-Cap Equity Index Fund	
Northwestern Mutual Series Fund, Inc: Index 400 Stock Portfolio	
Pacific Select Fund: Mid-Cap Equity Portfolio; Class I Shares	
Pioneer Variable Contracts Trust: Pioneer Mid Cap Value VCT Portfolio; Class II Shares	
Securian Funds Trust: Advantus Index 400 Mid-Cap Fund; Class 2 Shares	
Thrivent Series Fund, Inc: Thrivent Mid Cap Index Portfolio	
Thrivent Series Fund, Inc: Thrivent Mid Cap Stock Portfolio	
Transamerica Series Trust: Transamerica JPMorgan Mid Cap Value VP; Initial Class Shares	
Transamerica Series Trust: Transamerica Systematic Small/Mid Cap Value VP; Initial Class Shares	
Ultra Series Fund: Mid Cap Fund; Class I Shares	
VALIC Company I: Mid Cap Index Fund	VMIDX
Vanguard Variable Insurance Fund: Mid-Cap Index Portfolio; Investor Share Class	
Voya Variable Portfolios, Inc: Voya Index Plus MidCap Portfolio; Class I Shares	IPMIX
Voya Variable Portfolios, Inc: Voya Russell Mid Cap Index Portfolio; Class I Shares	IIRMX

**Index Name Full Fund Name****Nasdaq Symbol****Lipper VUF Mid-Cap Funds Index**

Advanced Series Trust: AST Goldman Sachs Mid-Cap Growth Portfolio	
Advanced Series Trust: AST Neuberger Berman/LSV Mid-Cap Value Portfolio	
Advanced Series Trust: AST T Rowe Price Large-Cap Growth Portfolio	
American Century Variable Portfolios, Inc: VP Capital Appreciation Fund; Class I Shares	AVCIX
American Century Variable Portfolios, Inc: VP Mid Cap Value Fund; Class II Shares	AVMTX
EQ Advisors Trust: AXA Large Cap Growth Managed Volatility Portfolio; Class K Shares	
EQ Advisors Trust: AXA/Janus Enterprise Portfolio; Class IB Shares	
EQ Advisors Trust: EQ/Mid Cap Index Portfolio; Class IB Shares	
EQ Advisors Trust: Multimanager Aggressive Equity Portfolio; Class IA Shares	
Hartford HLS Series Fund II, Inc: Hartford Growth Opportunities HLS Fund; Class IA Shares	HAGOX
Hartford Series Fund, Inc: Hartford MidCap HLS Fund; Class IA Shares	HIMCX
Janus Aspen Series: Janus Henderson Enterprise Portfolio; Institutional Shares	JAAGX
JNL Series Trust: JNL/JPMorgan Midcap Growth Fund; Class A Shares	
JNL Series Trust: JNL/Mellon Capital S&P 400 MidCap Index Fund; Class A Shares	
JNL Series Trust: JNL/MFS Mid Cap Value Fund; Class A Shares	
JNL Series Trust: JNL/T Rowe Price Mid-Cap Growth Fund; Class A Shares	
John Hancock Variable Insurance Trust: Mid Cap Index Trust; Series I Shares	JECIX
Mutual of America Investment Corporation: Mid-Cap Equity Index Fund	
Nationwide Variable Insurance Trust: NVIT Mid Cap Index Fund; Class Y Shares	
Northwestern Mutual Series Fund, Inc: Mid Cap Growth Stock Portfolio	
Thrivent Series Fund, Inc: Thrivent Mid Cap Stock Portfolio	
VALIC Company I: Mid Cap Index Fund	VMIDX
VALIC Company II: Mid Cap Value Fund	VMCVX
Vanguard Variable Insurance Fund: Mid-Cap Index Portfolio; Investor Share Class	
Variable Insurance Products Fund III: Mid Cap Portfolio; Service Class 2 Shares	
Voya Partners, Inc: VY Baron Growth Portfolio; Service Class Shares	IBSSX
Voya Partners, Inc: VY T Rowe Price Diversified Mid Cap Growth Portfolio; Initial Class Shares	IAXIX
Voya Variable Portfolios, Inc: Voya Index Plus MidCap Portfolio; Class I Shares	IPMIX
Voya Variable Portfolios, Inc: Voya Russell Mid Cap Index Portfolio; Class I Shares	IIRMX
Voya Variable Products Trust: Voya MidCap Opportunities Portfolio; Class I Shares	IIMOX

**Index Name Full Fund Name****Nasdaq Symbol****Lipper VUF Mid-Cap Growth Funds Index**

AIM Variable Insurance Funds (Invesco Variable Insurance Funds): Invesco VI Mid Cap Growth Fund; Class II Shs	
Alger Portfolios: Alger Mid Cap Growth Portfolio; Class I-2 Shares	AMGOX
American Century Variable Portfolios, Inc: VP Capital Appreciation Fund; Class I Shares	AVCIX
Columbia Funds Variable Series Trust II: Variable Portfolio - Westfield Mid Cap Growth Fund; Class 1 Shares	
Deutsche Variable Series II: Deutsche Small Mid Cap Growth VIP; Class A Shares	
EQ Advisors Trust: Multimanager Mid Cap Growth Portfolio; Class IB Shares	
Franklin Templeton Variable Insurance Products Trust: Franklin Small-Mid Cap Growth VIP Fund; Class 2 Shares	
Hartford Series Fund, Inc: Hartford MidCap HLS Fund; Class IA Shares	HIMCX
Ivy Variable Insurance Portfolios: Ivy VIP Mid Cap Growth; Class II Shares	
JNL Series Trust: JNL/T Rowe Price Mid-Cap Growth Fund; Class A Shares	
John Hancock Variable Insurance Trust: Mid Cap Stock Trust; NAV Shares	
Lincoln Variable Insurance Products Trust: LVIP Baron Growth Opportunities Fund; Service Class Shares	
Lincoln Variable Insurance Products Trust: LVIP Blended Mid Cap Managed Volatility Fund; Service Class Shares	
Lincoln Variable Insurance Products Trust: LVIP T Rowe Price Structured Mid-Cap Growth Fund; Standard CI Shs	
MFS Variable Insurance Trust: MFS Mid Cap Growth Series; Initial Class Shares	
MML Series Investment Fund: MML Mid Cap Growth Fund; Initial Class Shares	
Nationwide Variable Insurance Trust: NVIT Multi-Manager Mid Cap Growth Fund; Class I Shares	
Neuberger Berman Advisers Management Trust: Mid-Cap Growth Portfolio; Class S Shares	
Northwestern Mutual Series Fund, Inc: Mid Cap Growth Stock Portfolio	
Oppenheimer Variable Account Funds: Oppenheimer Discovery Mid Cap Growth Fund/VA; Non-Service Shares	
Prudential Series Fund: SP Prudential US Emerging Growth Portfolio; Class I Shares	
Seasons Series Trust: SA Multi-Managed Mid Cap Growth Portfolio; Class 1 Shares	
T Rowe Price Equity Series, Inc: T Rowe Price Mid-Cap Growth Portfolio	
Transamerica Series Trust: Transamerica Janus Mid-Cap Growth VP; Initial Class Shares	
Voya Partners, Inc: VY Baron Growth Portfolio; Service Class Shares	IBSSX
Voya Partners, Inc: VY T Rowe Price Diversified Mid Cap Growth Portfolio; Initial Class Shares	IAXIX
Voya Variable Portfolios, Inc: Voya Russell Mid Cap Growth Index Portfolio; Service Class Shares	IRGUX
Voya Variable Products Trust: Voya MidCap Opportunities Portfolio; Class I Shares	IIMOX
Wanger Advisors Trust: Wanger Select	WATWX
Wells Fargo Variable Trust: Wells Fargo VT Discovery Fund; Class 2 Shares	

**Index Name Full Fund Name**

**Nasdaq Symbol**

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**Lipper VUF Mid-Cap Value Funds Index**

Advanced Series Trust: AST Neuberger Berman/LSV Mid-Cap Value Portfolio  
AIM Variable Insurance Funds (Invesco Variable Insurance Funds): Invesco VI American Value Fund; Class II Shs UMCCX  
EQ Advisors Trust: AXA Mid Cap Value Managed Volatility Portfolio; Class IB Shares  
JNL Series Trust: JNL/Invesco Mid Cap Value Fund; Class A Shares  
JNL Series Trust: JNL/PPM America Mid Cap Value Fund; Class A Shares  
John Hancock Variable Insurance Trust: Mid Value Trust; NAV Shares  
MFS Variable Insurance Trust III: MFS Mid Cap Value Portfolio; Initial Class Shares  
Nationwide Variable Insurance Trust: NVIT Multi-Manager Mid Cap Value Fund; Class Y Shares  
Seasons Series Trust: SA Multi-Managed Mid Cap Value Portfolio; Class 1 Shares  
VALIC Company II: Mid Cap Value Fund VMCVX

**Lipper VUF Mixed-Asset Target Allocation Aggressive Growth F**

AXA Premier VIP Trust: AXA Aggressive Allocation Portfolio; Class B Shares  
EQ Advisors Trust: AXA Aggressive Strategy Portfolio; Class IB Shares  
JNL Series Trust: JNL Aggressive Growth Allocation Fund; Class A Shares  
JNL Series Trust: JNL/S&P Managed Aggressive Growth Fund; Class A Shares  
MainStay VP Funds Trust: MainStay VP Growth Allocation Portfolio; Service Class Shares  
Pacific Select Fund: Portfolio Optimization Aggressive-Growth Portfolio; Class I Shares  
Thrivent Series Fund, Inc: Thrivent Aggressive Allocation Portfolio  
Transamerica Series Trust: Transamerica Asset Allocation-Growth VP; Initial Class Shares  
Variable Insurance Products Fund V: Fundsmanager 85% Portfolio; Investor Class Shares  
Voya Partners, Inc: Voya Solution Moderately Aggressive Portfolio; Service Class Shares IAGSX

**Index Name Full Fund Name**

**Nasdaq Symbol**

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**Lipper VUF Mixed-Asset Target Allocation Conservative Funds**

Advanced Series Trust: AST Preservation Asset Allocation Portfolio  
AXA Premier VIP Trust: AXA Conservative Allocation Portfolio; Class B Shares  
AXA Premier VIP Trust: AXA Conservative-Plus Allocation Portfolio; Class B Shares  
Columbia Funds Variable Insurance Trust: Columbia Variable Portfolio-Managed Volatility Consv Fd; CI 2 Shs  
Columbia Funds Variable Series Trust II: Variable Portfolio - Conservative Portfolio; Class 4 Shares  
Columbia Funds Variable Series Trust II: Variable Portfolio - Moderately Consv Portfolio; Class 4 Shares  
EQ Advisors Trust: AXA Conservative Growth Strategy Portfolio; Class IB Shares  
EQ Advisors Trust: AXA Conservative Strategy Portfolio; Class IB Shares  
Federated Insurance Series: Federated Managed Volatility Fund II  
JNL Series Trust: JNL/Franklin Templeton Income Fund; Class A Shares  
JNL Series Trust: JNL/S&P Managed Conservative Fund; Class A Shares  
JNL Series Trust: JNL/S&P Managed Moderate Fund; Class A Shares  
John Hancock Variable Insurance Trust: Managed Volatility Conservative Portfolio; Series II Shares  
Lincoln Variable Insurance Products Trust: LVIP Global Conservative Allocation Managed Risk Fund; Service  
MainStay VP Funds Trust: MainStay VP Conservative Allocation Portfolio; Service Class Shares  
MFS Variable Insurance Trust II: MFS Global Tactical Allocation Portfolio; Service Class Shares  
MFS Variable Insurance Trust III: MFS Conservative Allocation Portfolio; Service Class Shares  
Nationwide Variable Insurance Trust: NVIT Cardinal Conservative Fund; Class II Shares  
Nationwide Variable Insurance Trust: NVIT Investor Destinations Conservative Fund; Class II Shares  
Pacific Select Fund: Pacific Dynamix - Conservative Growth Portfolio; Class I Shares  
Pacific Select Fund: Portfolio Optimization Conservative Portfolio; Class I Shares  
Pacific Select Fund: Portfolio Optimization Moderate-Conservative Portfolio; Class I Shares  
Thrivent Series Fund, Inc: Thrivent Diversified Income Plus Portfolio  
Thrivent Series Fund, Inc: Thrivent Moderately Conservative Allocation Portfolio  
Transamerica Series Trust: Transamerica Asset Allocation-Conservative VP; Service Class Shares  
Transamerica Series Trust: Transamerica JPMorgan Tactical Allocation VP; Service Class Shares  
Transamerica Series Trust: Transamerica Managed Risk - Conservative ETF VP; Service Class Shares  
Transamerica Series Trust: Transamerica QS Investors Active Asset Allocation-Conservative VP; Service Class Sh  
Variable Insurance Products Fund V: Fundsmanager 20% Portfolio; Investor Class Shares  
Voya Investors Trust: Voya Retirement Conservative Portfolio; Advisor Class Shares

IRCA

**Index Name Full Fund Name**

**Nasdaq Symbol**

**Lipper VUF Mixed-Asset Target Allocation Growth Funds Index**

Advanced Series Trust: AST Capital Growth Asset Allocation Portfolio	
Advanced Series Trust: AST FI Pyramis Quantitative Portfolio	
Advanced Series Trust: AST JPMorgan Global Thematic Portfolio	
Advanced Series Trust: AST Prudential Growth Allocation Portfolio	
Advanced Series Trust: AST RCM World Trends Portfolio	
Allianz Variable Insurance Products Fund of Funds Trust: AZL MVP Growth Index Strategy Fund	
American Funds Insurance Series: Asset Allocation Fund; Class 2 Shares	
AXA Premier VIP Trust: AXA Moderate-Plus Allocation Portfolio; Class B Shares	
Columbia Funds Variable Insurance Trust: Columbia Variable Portfolio-Managed Volatility Growth Fund; CI 2 Shs	
Columbia Funds Variable Series Trust II: Variable Portfolio - Moderately Aggressive Portfolio; Class 4 Shares	
EQ Advisors Trust: AXA Growth Strategy Portfolio; Class IB Shares	
Hartford Series Fund, Inc: Hartford Balanced HLS Fund; Class IA Shares	HADAX
JNL Series Trust: JNL Growth Allocation Fund; Class A Shares	
JNL Series Trust: JNL/S&P Managed Growth Fund; Class A Shares	
John Hancock Variable Insurance Trust: Lifestyle Growth Portfolio; Series II Shares	
John Hancock Variable Insurance Trust: Managed Volatility Growth Portfolio; Series II Shares	
Lincoln Variable Insurance Products Trust: LVIP American Global Growth Allocation Managed Risk Fund; Service	
MainStay VP Funds Trust: MainStay VP Moderate Growth Allocation Portfolio; Service Class Shares	
Nationwide Variable Insurance Trust: American Funds NVIT Asset Allocation Fund; Class II Shares	
Nationwide Variable Insurance Trust: NVIT Cardinal Capital Appreciation Fund; Class II Shares	
Pacific Select Fund: Portfolio Optimization Growth Portfolio; Class I Shares	
Principal Variable Contracts Funds, Inc: Diversified Growth Account; Class 2 Shares	
Prudential Series Fund: Flexible Managed Portfolio; Class I Shares	
Thrivent Series Fund, Inc: Thrivent Moderately Aggressive Allocation Portfolio	
Transamerica Series Trust: Transamerica Asset Allocation-Moderate Growth VP; Service Class Shares	
Transamerica Series Trust: Transamerica Managed Risk - Growth ETF VP; Service Class Shares	
Vanguard Variable Insurance Fund: Balanced Portfolio; Investor Share Class	
Variable Insurance Products Fund V: Fundsmanager 60% Portfolio; Investor Class Shares	
Voya Investors Trust: Voya Retirement Moderate Growth Portfolio; Advisor Class Shares	IRMGX
Voya Investors Trust: VY T Rowe Price Capital Appreciation Portfolio; Service Class Shares	ITCSX

**Index Name Full Fund Name**

**Nasdaq Symbol**

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**Lipper VUF Mixed-Asset Target Allocation Moderate Funds Ind**

Advanced Series Trust: AST Balanced Asset Allocation Portfolio  
Advanced Series Trust: AST Goldman Sachs Multi-Asset Portfolio  
Advanced Series Trust: AST T Rowe Price Asset Allocation Portfolio  
Allianz Variable Insurance Products Fund of Funds Trust: AZL MVP Fusion Dynamic Moderate Fund  
AXA Premier VIP Trust: AXA Moderate Allocation Portfolio; Class B Shares  
Columbia Funds Variable Series Trust II: Columbia Variable Portfolio-Managed Volatility Modt Gro Fd; CI 2 Shs  
Columbia Funds Variable Series Trust II: Variable Portfolio - Moderate Portfolio; Class 4 Shares  
EQ Advisors Trust: AXA Balanced Strategy Portfolio; Class IB Shares  
EQ Advisors Trust: AXA Moderate Growth Strategy Portfolio; Class IB Shares  
Franklin Templeton Variable Insurance Products Trust: Franklin Income VIP Fund; Class 2 Shares  
Janus Aspen Series: Janus Henderson Balanced Portfolio; Service Shares  
JNL Series Trust: JNL/S&P Managed Moderate Growth Fund; Class A Shares  
JNL Series Trust: JNL/WMC Balanced Fund; Class A Shares  
John Hancock Variable Insurance Trust: Managed Volatility Balanced Portfolio; Series II Shares  
John Hancock Variable Insurance Trust: Managed Volatility Moderate Portfolio; Series II Shares  
Lincoln Variable Insurance Products Trust: LVIP American Global Balanced Allocation Managed Risk Fd; Service  
Lincoln Variable Insurance Products Trust: LVIP Global Moderate Allocation Managed Risk Fund; Service CI Shs  
MML Series Investment Fund: MML Moderate Allocation Fund; Service Class Shares  
Nationwide Variable Insurance Trust: NVIT Cardinal Balanced Fund; Class II Shares  
Nationwide Variable Insurance Trust: NVIT Cardinal Moderate Fund; Class II Shares  
Nationwide Variable Insurance Trust: NVIT Investor Destinations Moderate Fund; Class II Shares  
Northwestern Mutual Series Fund, Inc: Balanced Portfolio  
Pacific Select Fund: Pacific Dynamix - Moderate Growth Portfolio; Class I Shares  
Pacific Select Fund: Portfolio Optimization Moderate Portfolio; Class I Shares  
Prudential Series Fund: Conservative Balanced Portfolio; Class I Shares  
Thrivent Series Fund, Inc: Thrivent Moderate Allocation Portfolio  
Transamerica Series Trust: Transamerica Asset Allocation-Moderate VP; Service Class Shares  
Transamerica Series Trust: Transamerica Managed Risk - Balanced ETF VP; Service Class Shares  
Variable Insurance Products Fund III: Balanced Portfolio; Investor Class Shares  
Variable Insurance Products Fund V: Fundsmanager 50% Portfolio; Investor Class Shares

**Index Name Full Fund Name**

**Nasdaq Symbol**

**Lipper VUF Multi-Cap Core Funds Index**

Advanced Series Trust: AST QMA US Equity Alpha Portfolio	
Advanced Series Trust: AST T Rowe Price Growth Opportunities Portfolio	
Advanced Series Trust: AST T Rowe Price Large-Cap Value Portfolio	
Advanced Series Trust: AST Wellington Management Hedged Equity Portfolio	
Anchor Series Trust: SA Wellington Growth Portfolio; Class 1 Shares	
EQ Advisors Trust: EQ/Common Stock Index Portfolio; Class IA Shares	
First Investors Life Series Funds: Growth & Income Fund	
Franklin Templeton Variable Insurance Products Trust: Franklin Rising Dividends VIP Fund; Class 2 Shs	
Hartford Series Fund, Inc: Hartford Capital Appreciation HLS Fund; Class IA Shares	HIACX
Janus Aspen Series: Janus Henderson US Low Volatility Portfolio; Service Shares	
JNL Series Trust: JNL/DFA US Core Equity Fund; Class A Shares	
JNL Series Trust: JNL/Mellon Capital 10 X 10 Fund; Class A Shares	
JNL Series Trust: JNL/Mellon Capital Index 5 Fund; Class A Shares	
JNL Series Trust: JNL/S&P 4 Fund; Class A Shares	
John Hancock Variable Insurance Trust: Fundamental All Cap Core Trust; Series NAV Shares	
John Hancock Variable Insurance Trust: Total Stock Market Index Trust; Series I Shares	JETSX
JPMorgan Insurance Trust: JPMorgan Insurance Trust Mid Cap Value Portfolio; Class 1 Shares	
Legg Mason Partners Variable Equity Trust: ClearBridge Variable Aggressive Growth Portfolio; Class I Shares	
Lincoln Variable Insurance Products Trust: LVIP Dimensional US Core Equity 1 Fund; Standard Class Shares	
Lincoln Variable Insurance Products Trust: LVIP Dimensional US Core Equity 2 Fund; Standard Class Shares	
Lincoln Variable Insurance Products Trust: LVIP Dimensional US Equity Managed Volatility Fund; Service	
Lincoln Variable Insurance Products Trust: LVIP Global Growth Allocation Managed Risk Fund; Service CI Shs	
Lincoln Variable Insurance Products Trust: LVIP JPMorgan Select Mid Cap Value Managed Volatility Fund; Service	
Lincoln Variable Insurance Products Trust: LVIP SSgA Global Tactical Allocation Managed Volatility Fund; Svc	
Lord Abbett Series Fund, Inc: Fundamental Equity Portfolio; Variable Contract Class Shares	
MainStay VP Funds Trust: MainStay VP Common Stock Portfolio; Initial Class Shares	
TIAA-CREF Life Funds: Stock Index Fund	TLSTX
Vanguard Variable Insurance Fund: Total Stock Market Index Portfolio; Investor Share Class	
Variable Insurance Products Fund III: Mid Cap Portfolio; Service Class 2 Shares	
Voya Investors Trust: Voya Retirement Growth Portfolio; Advisor Class Shares	IRGPX



**Index Name Full Fund Name**

**Nasdaq Symbol**

**Lipper VUF Multi-Cap Growth Funds Index**

Advanced Series Trust: AST Goldman Sachs Mid-Cap Growth Portfolio	
Alger Portfolios: Alger LargeCap Growth Portfolio; Class I-2 Shares	AAGOX
American Funds Insurance Series: Managed Risk Growth Fund; Class P2 Shares	
Anchor Series Trust: SA Wellington Capital Appreciation Portfolio; Class 3 Shares	
EQ Advisors Trust: AXA/ClearBridge Large Cap Growth Portfolio; Class IB Shares	
EQ Advisors Trust: AXA/Janus Enterprise Portfolio; Class IB Shares	
EQ Advisors Trust: EQ/Capital Guardian Research Portfolio; Class IB Shares	
EQ Advisors Trust: Multimanager Aggressive Equity Portfolio; Class IA Shares	
Guggenheim Variable Funds Trust: Series J (StylePlus - Mid Growth Series)	
Hartford HLS Series Fund II, Inc: Hartford Growth Opportunities HLS Fund; Class IA Shares	HAGOX
Janus Aspen Series: Janus Henderson Enterprise Portfolio; Institutional Shares	JAAGX
Janus Aspen Series: Janus Henderson Research Portfolio; Institutional Shares	JAGRX
JNL Series Trust: JNL/JPMorgan Midcap Growth Fund; Class A Shares	
JNL Series Trust: JNL/S&P Competitive Advantage Fund; Class A Shares	
John Hancock Variable Insurance Trust: Fundamental All Cap Core Trust; Series NAV Shares	
Lincoln Variable Insurance Products Trust: LVIP Wellington Capital Growth Fund; Service Class Shares	
Lord Abbett Series Fund, Inc: Growth Opportunities Portfolio; Variable Contract Class Shares	
MainStay VP Funds Trust: MainStay VP Cornerstone Growth Portfolio; Initial Class Shares	
Morgan Stanley Variable Investment Series: Multi Cap Growth Portfolio; Class X Shares	
Nationwide Variable Insurance Trust: NVIT Multi-Manager Large Cap Growth Fund; Class Y Shares	
Northern Lights Variable Trust: TOPS Managed Risk Growth ETF Portfolio; Class 2 Shares	
Pacific Select Fund: Mid-Cap Growth Portfolio; Class I Shares	
Principal Variable Contracts Funds, Inc: LargeCap Growth Account I; Class 1 Shares	
Principal Variable Contracts Funds, Inc: MidCap Account; Class 1 Shares	
Putnam Variable Trust: Putnam VT Multi-Cap Growth Fund; Class IA Shares	
SunAmerica Series Trust: SA JPMorgan Mid-Cap Growth Portfolio; Class 1 Shares	
Value Line Centurion Fund, Inc	
Variable Insurance Products Fund III: Growth Opportunities Portfolio; Investor Class Shares	
Variable Insurance Products Fund: Growth Portfolio; Initial Class Shares	
Virtus Variable Insurance Trust: Virtus KAR Capital Growth Series; Class A Shares	

**Index Name    Full Fund Name**

**Nasdaq Symbol**

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**Lipper VUF Multi-Cap Value Funds Index**

Allianz Variable Insurance Products Trust: AZL Russell 1000 Value Index Fund  
American Century Variable Portfolios, Inc: VP Mid Cap Value Fund; Class II Shares AVMTX  
EQ Advisors Trust: EQ/Large Cap Value Index Portfolio; Class IB Shares  
JNL Series Trust: JNL/S&P Intrinsic Value Fund; Class A Shares  
JNL Series Trust: JNL/S&P Total Yield Fund; Class A Shares  
JNL Variable Fund LLC: JNL/Mellon Capital JNL 5 Fund; Class A Shares  
Lincoln Variable Insurance Products Trust: LVIP Select Core Equity Managed Volatility Fund; Service Cls Shs  
Lincoln Variable Insurance Products Trust: LVIP SSgA Large Cap 100 Fund; Standard Class Shares  
Nationwide Variable Insurance Trust: NVIT Multi-Manager Large Cap Value Fund; Class Y Shares  
Northwestern Mutual Series Fund, Inc: Mid Cap Value Portfolio

**Lipper VUF Short Investment Grade Funds Index**

Advanced Series Trust: AST Bond Portfolio 2021  
Columbia Funds Variable Series Trust II: Columbia Variable Portfolio-Limited Duration Credit Fund; Class 1 Shs  
Delaware VIP Trust: Delaware VIP Limited-Term Diversified Income Series; Service Class Shares  
Ivy Variable Insurance Portfolios: Ivy VIP Limited-Term Bond  
MML Series Investment Fund II: MML Short-Duration Bond Fund; Class 2 Shares  
Nationwide Variable Insurance Trust: NVIT Short Term Bond Fund; Class Y Shares  
Penn Series Funds, Inc: Limited Maturity Bond Fund  
Thrivent Series Fund, Inc: Thrivent Limited Maturity Bond Portfolio  
Vanguard Variable Insurance Fund: Short-Term Investment-Grade Portfolio; Investor Share Class  
Victory Variable Insurance Funds: Victory INCORE Low Duration Bond VIP Series; Class I Shares

**Index Name Full Fund Name**

**Nasdaq Symbol**

**Lipper VUF Small Cap Funds Index**

Advanced Series Trust: AST Goldman Sachs Small-Cap Value Portfolio	
Advanced Series Trust: AST Small-Cap Value Portfolio	
Allianz Variable Insurance Products Trust: AZL Small Cap Stock Index Fund	
Columbia Funds Variable Series Trust II: Variable Portfolio - Partners Small Cap Growth Fund; Class 1 Shares	
Columbia Funds Variable Series Trust II: Variable Portfolio - Partners Small Cap Value Fund; Class 1 Shares	
Delaware VIP Trust: Delaware VIP Small Cap Value Series; Service Class Shares	
Dreyfus Investment Portfolios: Small Cap Stock Index Portfolio; Service Shares	
EQ Advisors Trust: 1290 VT GAMCO Small Company Value Portfolio; Class IB Shares	
EQ Advisors Trust: AXA Mid Cap Value Managed Volatility Portfolio; Class IB Shares	
EQ Advisors Trust: AXA/AB Small Cap Growth Portfolio; Class IB Shares	
EQ Advisors Trust: EQ/Small Company Index Portfolio; Class IB Shares	
Hartford HLS Series Fund II, Inc: Hartford SmallCap Growth HLS Fund; Class IA Shares	HISCX
Hartford Series Fund, Inc: Hartford Small Company HLS Fund; Class IA Shares	HIASX
JNL Series Trust: JNL Multi-Manager Small Cap Growth Fund; Class A Shares	
JNL Series Trust: JNL Multi-Manager Small Cap Value Fund; Class A Shares	
JNL Series Trust: JNL/Invesco Small Cap Growth Fund; Class A Shares	
JNL Series Trust: JNL/Mellon Capital Small Cap Index Fund; Class A Shares	
Lincoln Variable Insurance Products Trust: LVIP JPMorgan Select Mid Cap Value Managed Volatility Fund; Service	
Lincoln Variable Insurance Products Trust: LVIP SSgA Small-Cap Index Fund; Standard Class Shares	
Northwestern Mutual Series Fund, Inc: Small Cap Growth Stock Portfolio	
Northwestern Mutual Series Fund, Inc: Small Cap Value Portfolio	
Oppenheimer Variable Account Funds: Oppenheimer Main Street Small Cap Fund/VA; Service Shares	
Prudential Series Fund: Small Capitalization Stock Portfolio; Class I Shares	
Thrivent Series Fund, Inc: Thrivent Small Cap Stock Portfolio	
Transamerica Series Trust: Transamerica T Rowe Price Small Cap VP; Initial Class Shares	
VALIC Company I: Small Cap Index Fund	VCSLX
VALIC Company II: Small Cap Value Fund	VCSVX
Vanguard Variable Insurance Fund: Small Company Growth Portfolio; Investor Share Class	
Voya Variable Portfolios, Inc: Voya Small Company Portfolio; Class I Shares	IVCSX
Wanger Advisors Trust: Wanger USA	WUSAX

**Index Name Full Fund Name**

**Nasdaq Symbol**

**Lipper VUF Small-Cap Core Funds Index**

Advanced Series Trust: AST Goldman Sachs Small-Cap Value Portfolio	
Allianz Variable Insurance Products Trust: AZL Small Cap Stock Index Fund	
Columbia Funds Variable Series Trust II: Columbia Variable Portfolio US Equities Fund; Class 1 Shares	
Delaware VIP Trust: Delaware VIP Small Cap Value Series; Service Class Shares	
Dreyfus Investment Portfolios: Small Cap Stock Index Portfolio; Service Shares	
EQ Advisors Trust: 1290 VT GAMCO Small Company Value Portfolio; Class IB Shares	
EQ Advisors Trust: ATM Small Cap Managed Volatility Portfolio; Class K Shares	
EQ Advisors Trust: AXA 2000 Managed Volatility Portfolio; Class K Shares	
EQ Advisors Trust: EQ/Small Company Index Portfolio; Class IB Shares	
Ivy Variable Insurance Portfolios: Ivy VIP Small Cap Core	
JNL Series Trust: JNL Multi-Manager Small Cap Value Fund; Class A Shares	
JNL Series Trust: JNL/Mellon Capital Small Cap Index Fund; Class A Shares	
John Hancock Variable Insurance Trust: Small Cap Index Trust; Series I Shares	JESIX
Lincoln Variable Insurance Products Trust: LVIP SSgA Small-Cap Index Fund; Standard Class Shares	
Mutual of America Investment Corporation: Small Cap Value Fund	
Nationwide Variable Insurance Trust: NVIT Small Cap Index Fund; Class Y Shares	
Northwestern Mutual Series Fund, Inc: Small Cap Value Portfolio	
Oppenheimer Variable Account Funds: Oppenheimer Main Street Small Cap Fund/VA; Service Shares	
Pacific Select Fund: Small-Cap Index Portfolio; Class I Shares	
Prudential Series Fund: Small Capitalization Stock Portfolio; Class I Shares	
Seasons Series Trust: SA Multi-Managed Small Cap Portfolio; Class 1 Shares	
State Farm Variable Product Trust: Small Cap Equity Index Fund	
SunAmerica Series Trust: SA AB Small & Mid Cap Value Portfolio; Class 3 Shares	
Thrivent Series Fund, Inc: Thrivent Small Cap Index Portfolio	
Thrivent Series Fund, Inc: Thrivent Small Cap Stock Portfolio	
VALIC Company I: Small Cap Fund	VCSMX
VALIC Company I: Small Cap Index Fund	VCSLX
Voya Investors Trust: VY JPMorgan Small Cap Core Equity Portfolio; Service Class Shares	IJSSX
Voya Variable Portfolios, Inc: Voya Russell Small Cap Index; Class I Shares	IIRSX
Voya Variable Portfolios, Inc: Voya Small Company Portfolio; Class I Shares	IVCSX

**Index Name Full Fund Name**

**Nasdaq Symbol**

**Lipper VUF Small-Cap Growth Funds Index**

Advanced Series Trust: AST Small-Cap Growth Opportunities Portfolio	
Advanced Series Trust: AST Small-Cap Growth Portfolio	
Alger Portfolios: Alger SmallCap Growth Portfolio; Class I-2 Shares	AASOX
Columbia Funds Variable Series Trust II: Variable Portfolio - Partners Small Cap Growth Fund; Class 1 Shares	
Delaware VIP Trust: Delaware VIP Smid Cap Core Series; Standard Class Shares	
EQ Advisors Trust: 1290 VT Micro Cap Portfolio; Class K Shares	
EQ Advisors Trust: AXA/AB Small Cap Growth Portfolio; Class IA Shares	
EQ Advisors Trust: AXA/Morgan Stanley Small Cap Growth Portfolio; Class K Shares	
Hartford HLS Series Fund II, Inc: Hartford SmallCap Growth HLS Fund; Class IA Shares	HISCX
Hartford Series Fund, Inc: Hartford Small Company HLS Fund; Class IA Shares	HIASX
Ivy Variable Insurance Portfolios: Ivy VIP Small Cap Growth	
JNL Series Trust: JNL Multi-Manager Small Cap Growth Fund; Class A Shares	
JNL Series Trust: JNL/Invesco Small Cap Growth Fund; Class A Shares	
John Hancock Variable Insurance Trust: Small Cap Growth Trust; NAV Shares	
John Hancock Variable Insurance Trust: Small Company Growth Trust; NAV Shares	
Legg Mason Partners Variable Equity Trust: ClearBridge Variable Small Cap Growth Portfolio; Class I Shares	
MainStay VP Funds Trust: MainStay VP Eagle Small Cap Growth Portfolio; Initial Class Shares	
MFS Variable Insurance Trust: MFS New Discovery Series; Initial Class Shares	
MML Series Investment Fund: MML Small Cap Growth Equity Fund; Initial Class Shares	
Mutual of America Investment Corporation: Small Cap Growth Fund	
Northwestern Mutual Series Fund, Inc: Small Cap Growth Stock Portfolio	
Ohio National Fund, Inc: ClearBridge Small Cap Portfolio	
Ohio National Fund, Inc: Small Cap Growth Portfolio	
Securian Funds Trust: SFT Ivy Small Cap Growth Fund	
SunAmerica Series Trust: SA Invesco Growth Opportunities Portfolio; Class 3 Shares	
Transamerica Series Trust: Transamerica T Rowe Price Small Cap VP; Initial Class Shares	
Vanguard Variable Insurance Fund: Small Company Growth Portfolio; Investor Share Class	
Voya Variable Products Trust: Voya SmallCap Opportunities Portfolio; Class I Shares	IVSOX
Wanger Advisors Trust: Wanger USA	WUSAX
Wells Fargo Variable Trust: Wells Fargo VT Small Cap Growth Fund; Class 2 Shares	

**Index Name    Full Fund Name**

**Nasdaq Symbol**

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**Lipper VUF Small-Cap Value Funds Index**

AB Variable Products Series Fund, Inc: AB VPS Small/Mid Cap Value Portfolio; Class B Shares	
Advanced Series Trust: AST Small-Cap Value Portfolio	
Columbia Funds Variable Insurance Trust: Columbia Variable Portfolio-Small Cap Value Fund; Class 2 Shares	
Columbia Funds Variable Series Trust II: Variable Portfolio - Partners Small Cap Value Fund; Class 1 Shares	
Franklin Templeton Variable Insurance Products Trust: Franklin Small Cap Value VIP Fund; Class 2 Shares	
JNL Series Trust: JNL/PPM America Small Cap Value Fund; Class A Shares	
JNL Variable Fund LLC: JNL/Mellon Capital S&P SMid 60 Fund; Class A Shares	
John Hancock Variable Insurance Trust: Small Cap Value Trust; Series I Shares	JESVX
VALIC Company I: Small Cap Special Values Fund	VSSVX
VALIC Company II: Small Cap Value Fund	VCSVX