## Dual Class Companies List

The following US-incorporated companies have at least $\$ 200$ million in market capitalization, at least two outstanding classes of common stock, and unequal voting rights that create a wedge between ownership and voting interests. ${ }^{1}$ This list derives from CII analysis of FactSet data on authorized capital structures and SEC filings.

For each class of common stock with super-voting rights, the wedge is calculated as that class's percentage of total voting rights minus that class's percentage of total outstanding equity. ${ }^{2}$ The wedge quantifies the degree of misalignment between voting and economic interests created by the dual-class structure, which can exacerbate classical principal-agent risks. A wedge of $100 \%$, for example, would mean that the super-voting class of shares controls all of the voting power while representing none of the equity interest in a company

| Company Name | Primary Ticker | Unequal Voting Structure | \%Vote | \%Equity | Wedge | As of | IPO <br> Year |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1-800-FLOWERS.COM | FLWS | Class A: 1 vote per share Class B: 10 votes per share | 88.9\% | 44.5\% | 44.4\% | Nov-18 | 1999 |
| A. O. Smith | AOS | Common: 1/10; elects $1 / 3$ of board Class A Common: 1; elects $2 / 3$ of board | 64.4\% | 15.3\% | 49.1\% | Nov-18 | 1983 |
| ACM Research | ACMR | $\begin{aligned} & \hline \text { Class A: } 1 \\ & \text { Class B: } 20 \end{aligned}$ | 73.2\% | 12.0\% | 61.2\% | Nov-18 | 2017 |
| Aflac | AFL | Time-phased voting: <br> Owned for up to 4 years: 1 <br> Owned for more than 4 years: 10 | 52.2\% | 9.8\% | 42.3\% | May-18 | 1974 |
| Albany International | AIN | $\begin{aligned} & \hline \text { Class A: } 1 \\ & \text { Class B: } 10 \\ & \hline \end{aligned}$ | 52.5\% | 9.9\% | 42.6\% | Oct-18 | 1987 |
| Alphabet | GOOGL | Class C: no votes <br> Class A: 1 <br> Class B: 10 | 60.9\% | 6.7\% | 54.2\% | Jan-19 | 2004 |
| Altair Engineering | ALTR | Class A: 1 <br> Class B:10 <br> Sunsets in 2029 | 89.4\% | 45.7\% | 43.7\% | Nov-18 | 2017 |
| Alteryx | AYX | Class A: 1 <br> Class B: 10 <br> Sunsets in 2027 | 86.3\% | 38.7\% | 47.6\% | Nov-18 | 2017 |
| Altice USA | ATUS | $\begin{array}{\|l} \hline \text { Class A: } 1 \\ \text { Class B: } 25 \end{array}$ | 98.0\% | 66.5\% | 31.5\% | Nov-18 | 2017 |
| AMC Entertainment Holdings | AMC | $\begin{aligned} & \text { Class A: } 1 \\ & \text { Class B: } 3 \end{aligned}$ | 75.0\% | 50.0\% | 25.0\% | Nov-18 | 2013 |
| AMC Networks | AMCX | Class A: 1; elects 25\% of board Class B: 10; elects $75 \%$ of board | 71.8\% | 20.3\% | 51.5\% | Nov-18 | 2011 |
| Ameresco | AMRC | $\begin{aligned} & \text { Class A: } 1 \\ & \text { Class B: } 5 \end{aligned}$ | 76.3\% | 39.2\% | 37.1\% | Nov-18 | 2010 |
| American Software | AMSWA | Class A: 1/10; elects $25 \%$ of board Class B: 1; elects $75 \%$ of board | 38.5\% | 5.9\% | 32.6\% | Dec-18 | 1983 |
| AppFolio | APPF | $\begin{aligned} & \hline \text { Class A: } 1 \\ & \text { Class B: } 10 \\ & \hline \end{aligned}$ | 91.8\% | 53.0\% | 38.8\% | Nov-18 | 2015 |

[^0]| Company Name | Primary Ticker | Unequal Voting Structure | \%Vote | \%Equity | Wedge | As of | $\begin{aligned} & \text { IPO } \\ & \text { Year } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Appian | APPN | $\begin{aligned} & \hline \text { Class A: } 1 \\ & \text { Class B: } 10 \\ & \hline \end{aligned}$ | 92.7\% | 55.8\% | 36.9\% | Nov-18 | 2017 |
| Artesian Resources | ARTNA | Class A: no votes Class B: 1 | 100.0\% | 9.5\% | 90.5\% | Nov-18 | 1995 |
| Ascent Capital Group | ASCMA | Series A: 1 <br> Series B: 10 | 24.0\% | 3.0\% | 21.0\% | Nov-18 | 2008 |
| Associated Capital Group | AC | $\begin{array}{\|l} \hline \text { Class A: } 1 \\ \text { Class B: } 10 \end{array}$ | 98.2\% | 84.3\% | 13.9\% | Nov-18 | 1998 |
| Astronics | ATRO | Common: 1 <br> Class B Common: 10 | 83.1\% | 33.0\% | 50.1\% | Nov-18 | 1978 |
| Banc of California | BANC | Class B Common: no votes* Common: 1 | 100.0\% | 99.0\% | 1.0\% | Nov-18 | 2002 |
| Bandwith | BAND | $\begin{array}{\|l} \hline \text { Class A: } 1 \\ \text { Class B: } 10 \end{array}$ | 84.1\% | 34.6\% | 49.5\% | Nov-18 | 2017 |
| BBX Capital | BBX | Class A: 1; controls 22\% of vote <br> Class B: Formula (last received 16.2 votes per share); controls $78 \%$ of vote | 78.0\% | 18.0\% | 60.0\% | Nov-18 | 1997 |
| Beasley Broadcast Group | BBGI | Class A: 1 vote; elects $25 \%$ of board Class B: 10 votes; elects $75 \%$ of board | 93.9\% | 60.6\% | 33.3\% | Nov-18 | 2000 |
| Bel Fuse | BELFB | Class B: no votes Class A: 1 | 100.0\% | 17.8\% | 82.2\% | Nov-18 | 1998 |
| Berkshire Hathaway | BRK.B | Class B: 1/10,000 <br> Class A: 1 | 84.3\% | 44.7\% | 39.6\% | Nov-18 | 1990 |
| BGC Partners | BGCP | $\begin{aligned} & \text { Class A: } 1 \\ & \text { Class B: } 10 \end{aligned}$ | 54.1\% | 10.6\% | 43.5\% | Nov-18 | 1999 |
| Biglari Holdings | BH | Class B: no votes Class A: 1 | 100.0\% | 33.3\% | 66.7\% | Nov-18 | 1990 |
| Bio-Rad Laboratories | BIO | Class A: 1/10; elects $1 / 3$ of board Class B: 1; elects $2 / 3$ of board | 67.2\% | 17.0\% | 50.2\% | Nov-18 | 1980 |
| Bloom Energy | BE | Class A: <br> Class B: <br> Sunsets in 2023 | 97.7\% | 80.9\% | 16.8\% | Nov-18 | 2018 |
| Blue Apron | APRN | $\begin{array}{\|l\|} \hline \text { Class A: } 1 \\ \text { Class B: } 10 \end{array}$ | 93.7\% | 59.9\% | 33.8\% | Nov-18 | 2017 |
| Brady | BRC | Class A Nonvoting: no votes Class B Voting: 1 | 100.0\% | 6.7\% | 93.3\% | Nov-18 | 1984 |
| Brown-Forman | BF.B | Class B: no votes Class A: 1 | 100.0\% | 35.4\% | 64.6\% | Dec-18 | 1978 |
| Cal-Maine Foods | CALM | Common: 1 Class A Common: 10 | 52.3\% | 9.9\% | 42.4\% | Jan-19 | 1996 |
| CarGurus | CARG | $\begin{array}{\|l} \hline \text { Class A: } 1 \\ \text { Class B: } 10 \end{array}$ | 69.9\% | 18.8\% | 51.1\% | Apr-18 | 2017 |
| Carlisle Companies | CSL | Time-phased voting: <br> Owned for up to 4 years: 1 <br> Owned for more than 4 years: 5 | 8.8\% | 1.9\% | 6.9\% | May-18 | 1960 |
| Carvana | CVNA | $\begin{aligned} & \text { Class A: } 1 \\ & \text { Class B: } 10 \end{aligned}$ | 96.4\% | 73.0\% | 23.4\% | Nov-18 | 2017 |
| Casella Waste Systems | CWST | $\begin{array}{\|l} \hline \text { Class A: } 1 \\ \text { Class B: } 10 \end{array}$ | 19.1\% | 2.3\% | 16.8\% | Nov-18 | 1997 |
| Castlight Health | CSLT | Class B: 1 <br> Class A: 1; 10 for merger <br> Sunsets in 2024 | 96.4\% | 72.8\% | 23.6\% | Nov-18 | 2014 |
| CBS | CBS | Class B: no votes Class A: 1 | 100.0\% | 10.0\% | 90.0\% | Dec-18 | 1994 |
| Central Garden \& Pet Company | CENTA | Class A common: no votes Common: 1 <br> Class B common: 10 | $\begin{aligned} & 42.4 \% \\ & 57.6 \% \end{aligned}$ | $\begin{array}{r} 21.0 \% \\ 2.9 \% \\ \hline \end{array}$ | $\begin{aligned} & 21.4 \% \\ & 54.7 \% \end{aligned}$ | Dec-18 | 2007 |
| Century Bancorp | CNBKA | Class A: no votes Class B: 1 | 100.0\% | 35.2\% | 64.8\% | Nov-18 | 1987 |


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| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Charter Communications | CHTR | Class A: 1 <br> Class B: formula (last received 7.21 votes per share) | 49.5\% | 11.7\% | 37.8\% | Mar-18 | 2009 |
| Clear Channel Outdoor Holdings | CCO | $\begin{aligned} & \text { Class A: } 1 \\ & \text { Class B: } 20 \end{aligned}$ | 99.2\% | 86.2\% | 13.0\% | Nov-18 | 2005 |
| Clearway Energy | CWENA | $\begin{array}{\|l} \hline \text { Class A + C: } 1 \\ \text { Class B + D: } 1.42 \end{array}$ | 55.1\% | 46.3\% | 8.8\% | Mar-18 | 2013 |
| Coca-Cola Bottling Co. Consolidated | COKE | Common: 1 <br> Class B common: 20 | 86.1\% | 23.7\% | 62.5\% | Nov-18 | 1919 |
| Comcast | CMCSA | Class A: formula (last received 0.0617 votes per share) <br> Class B: 15 | 33.3\% | 0.2\% | 33.1\% | Apr-18 | 1972 |
| Constellation Brands | STZ | $\begin{array}{\|l} \hline \text { Class A: } 1 \\ \text { Class B: } 10 \end{array}$ | 58.3\% | 12.3\% | 46.0\% | Jan-19 | 1986 |
| Construction Partners | ROAD | $\begin{array}{\|l} \hline \text { Class A: } 1 \\ \text { Class B: } 10 \end{array}$ | 97.1\% | 76.8\% | 20.3\% | Jan-19 | 2018 |
| Covenant Transportation Group | CVTI | $\begin{aligned} & \text { Class A: } 1 \\ & \text { Class B: } 2 \end{aligned}$ | 22.7\% | 12.8\% | 9.9\% | Nov-18 | 1994 |
| Crawford \& Company | CRD.A | Class A: no votes Class B: 1 | 100.0\% | 44.3\% | 55.7\% | Nov-18 | 1978 |
| Dell Technologies | DVMT | Class V: 1 <br> Class C: 1 <br> Class A: 10 <br> Class B: 10 | $\begin{aligned} & 72.0 \% \\ & 24.1 \% \end{aligned}$ | $\begin{aligned} & 53.3 \% \\ & 17.8 \% \end{aligned}$ | $\begin{array}{r} 18.6 \% \\ 6.3 \% \\ \hline \end{array}$ | Dec-18 | 2016 |
| Dick's Sporting Goods | DKS | Common: 1 Class B Common: 10 | 76.9\% | 25.0\% | 51.9\% | Nov-18 | 2002 |
| Discovery Communications | DISCK | Series C: no votes <br> Series A: 1 <br> Series B: 10 | $\begin{aligned} & 70.7 \% \\ & 29.4 \% \end{aligned}$ | $\begin{array}{r} 29.9 \% \\ 1.2 \% \end{array}$ | $\begin{aligned} & 40.8 \% \\ & 28.2 \% \end{aligned}$ | Nov-18 | 2008 |
| DISH Network | DISH | $\begin{array}{\|l\|} \hline \text { Class A: } 1 \\ \text { Class B: } 10 \\ \hline \end{array}$ | 91.2\% | 51.0\% | 40.2\% | Nov-18 | 1995 |
| Dolby Laboratories | DLB | $\begin{array}{\|l} \hline \text { Class A: } 1 \\ \text { Class B: } 10 \end{array}$ | 85.6\% | 37.3\% | 48.3\% | Feb-19 | 2005 |
| Domo | DOMO | $\begin{aligned} & \hline \text { Class B: } 1 \\ & \text { Class A: } 40 \end{aligned}$ | 85.0\% | 12.4\% | 72.6\% | Dec-18 | 2018 |
| Donegal Group | DGICA | $\begin{array}{\|l\|} \hline \text { Class A: } 1 / 10 \\ \text { Class B: } 1 \\ \hline \end{array}$ | 71.0\% | 19.7\% | 51.3\% | Nov-18 | 2001 |
| Dropbox | DBX | $\begin{array}{\|l\|} \hline \text { Class A: } 1 \\ \text { Class B: } 10 \end{array}$ | 93.4\% | 58.7\% | 34.7\% | Nov-18 | 2018 |
| DSW | DSW | $\begin{aligned} & \hline \text { Class A: } 1 \\ & \text { Class B: } 8 \\ & \hline \end{aligned}$ | 46.0\% | 9.6\% | 36.4\% | Dec-18 | 2005 |
| Duluth Holdings | DLTH | $\begin{aligned} & \hline \text { Class B:1 } \\ & \text { Class A: } 10 \end{aligned}$ | 53.5\% | 10.3\% | 43.2\% | Dec-18 | 2015 |
| Eaton Vance | EV | Non-voting common: no votes Common: 1 | 100.0\% | 0.4\% | 99.6\% | Dec-18 | 1979 |
| EchoStar | SATS | $\begin{aligned} & \hline \text { Class A: } 1 \\ & \text { Class B: } 10 \end{aligned}$ | 90.8\% | 49.6\% | 41.2\% | Nov-18 | 2008 |
| Entercom Communications | ETM | $\begin{aligned} & \hline \text { Class A: } 1 \\ & \text { Class B: } 10 \end{aligned}$ | 22.6\% | 2.8\% | 19.8\% | Nov-18 | 1999 |
| Entravision Communications | EVC | Class U: no votes* <br> Class A: 1 <br> Class B: 10 | 69.8\% | 16.8\% | 53.0\% | Nov-18 | 2000 |
| Erie Indemnity | ERIE | Class A: no votes Class B: 1 | 100.0\% | 11.7\% | 88.3\% | Oct-18 | 1995 |
| Eventbrite | EB | Class A: 1 <br> Class B: 10 <br> Sunsets in 2028 | 98.3\% | 85.3\% | 13.0\% | Nov-18 | 2018 |


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| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| EVO Payments | EVOP | Class B: controls 15.9\% of vote* <br> Class A: 1 <br> Class D: 1 <br> Class C: 3.5 <br> Sunsets in 2021 | $\begin{aligned} & 41.3 \% \\ & 28.2 \% \\ & 14.6 \% \end{aligned}$ | $\begin{array}{r} 31.3 \% \\ 21.3 \% \\ 3.2 \% \end{array}$ | $\begin{array}{r} 10.0 \% \\ 6.9 \% \\ 11.4 \% \end{array}$ | Sep-18 | 2018 |
| Expedia | EXPE | Common: 1 Class B: 10 | 48.5\% | 8.6\% | 39.9\% | Oct-18 | 2005 |
| EZCORP | EZPW | Class A: no votes Class B: 1 | 100.0\% | 5.4\% | 94.6\% | Jan-19 | 1991 |
| Facebook | FB | $\begin{aligned} & \hline \text { Class A: } 1 \\ & \text { Class B: } 10 \end{aligned}$ | 66.3\% | 16.4\% | 49.9\% | Jan-19 | 2012 |
| Federated Investors | FII | Class B: no votes <br> Class A: 1 | 100.0\% | 0.0\% | 100.0\% | Oct-18 | 1998 |
| First Citizens BancShares | FCNCA | $\begin{array}{\|l\|} \hline \text { Class A: } 1 \\ \text { Class B: } 16 \\ \hline \end{array}$ | 59.8\% | 8.5\% | 51.3\% | Nov-18 | 1986 |
| First Data | FDC | $\begin{array}{\|l\|} \hline \text { Class A: } 1 \\ \text { Class B: } 10 \end{array}$ | 86.7\% | 19.5\% | 47.2\% | Oct-18 | 2015 |
| First Interstate BancSystem (Montana) | FIBK | $\begin{aligned} & \text { Class A: } 1 \\ & \text { Class B: } 5 \end{aligned}$ | 74.7\% | 37.1\% | 37.6\% | Nov-18 | 2010 |
| Fitbit | FIT | Class A: 1 Class B: 10 Sunsets in 2027 | 59.0\% | 12.6\% | 46.4\% | Nov-18 | 2015 |
| Ford Motor | F | Common: 1 <br> Class B: always controls $40 \%$ of vote (36.9 votes per share) | 40.0\% | 1.8\% | 38.2\% | Oct-18 | 1956 |
| Gaia | GAIA | $\begin{array}{\|l\|} \hline \text { Class A: } 1 \\ \text { Class B: } 10 \end{array}$ | 81.2\% | 30.2\% | 51.0\% | Nov-18 | 1999 |
| Genesee \& Wyoming | GWR | $\begin{aligned} & \hline \text { Class A: } 1 \\ & \text { Class B: } 10 \end{aligned}$ | 8.5\% | 0.9\% | 7.6\% | Nov-18 | 1996 |
| Genie Energy | GNE | $\begin{aligned} & \hline \text { Class B: } 1 / 10 \\ & \text { Class A: } 3 \end{aligned}$ | 65.1\% | 5.9\% | 59.2\% | Nov-18 | 2011 |
| Globus Medical | GMED | $\begin{array}{\|l\|} \hline \text { Class A: } 1 \\ \text { Class B: } 10 \end{array}$ | 76.5\% | 24.6\% | 51.9\% | Apr-18 | 2012 |
| GoPro | GPRO | $\begin{aligned} & \hline \text { Class A: } 1 \\ & \text { Class B: } 10 \end{aligned}$ | 75.9\% | 23.9\% | 52.0\% | Nov-18 | 2014 |
| Graham Holdings Company | GHC | Class B: 1; elects $30 \%$ of the board Class A: 1; elects $70 \%$ of the board | 70.0\% | 18.2\% | 51.8\% | Oct-18 | 1971 |
| Gray Television | GTN | Common: 1 Class A: 10 | 45.1\% | 7.6\% | 37.5\% | Nov-18 | 1996 |
| GreenSky | GSKY | $\begin{aligned} & \hline \text { Class A: } 1 \\ & \text { Class B: } 10 \end{aligned}$ | 95.7\% | 69.0\% | 26.7\% | Nov-18 | 2018 |
| Greif | GEF.B | Class A: no votes Class B: 1 | 100.0\% | 45.9\% | 54.1\% | Jan-19 | 1996 |
| Hamilton Beach Brands | HBB | $\begin{aligned} & \hline \text { Class A: } 1 \\ & \text { Class B: } 10 \end{aligned}$ | 82.8\% | 32.6\% | 50.2\% | Oct-18 | 2017 |
| Hamilton Lane | HLNE | Class A: 1 Class B: 10 Sunsets in 2027 | 90.3\% | 48.3\% | 42.0\% | Nov-18 | 2017 |
| Haverty Furniture Companies | HVT | Common: 1 <br> Class A Common: 10 | 48.2\% | 8.5\% | 39.7\% | Nov-18 | 2017 |
| HEICO | HEI.A | Class A Common: 1/10 <br> Common: 1 | 87.0\% | 40.1\% | 46.9\% | Dec-18 | 1960 |
| Hemisphere Media Group | HMTV | $\begin{array}{\|l\|} \hline \text { Class A: } 1 \\ \text { Class B: } 10 \end{array}$ | 91.0\% | 50.1\% | 40.9\% | Nov-18 | 2013 |
| Houlihan Lokey | HLI | $\begin{array}{\|l\|} \hline \text { Class A: } 1 \\ \text { Class B: } 10 \end{array}$ | 89.9\% | 47.2\% | 42.7\% | Feb-19 | 2015 |
| Hovnanian Enterprises | HOV | $\begin{array}{\|l} \hline \text { Class A: } 1 \\ \text { Class B: } 10 \\ \hline \end{array}$ | 54.0\% | 10.5\% | 43.5\% | Jan-19 | 1983 |


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| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Hub Group | HUBG | $\begin{array}{\|l} \hline \text { Class A: } 1 \\ \text { Class B: } 84 \end{array}$ | 62.3\% | 1.9\% | 60.4\% | Nov-18 | 1996 |
| Hyatt Hotels | H | $\begin{array}{\|l} \hline \text { Class A: } 1 \\ \text { Class B: } 10 \end{array}$ | 94.0\% | 61.1\% | 32.9\% | Oct-18 | 2009 |
| Hyster-Yale Materials Handling | HY | $\begin{array}{\|l} \hline \text { Class A: } 1 \\ \text { Class B: } 10 \end{array}$ | 75.4\% | 23.5\% | 51.9\% | Oct-18 | 2012 |
| IAC/InterActiveCorp. | IAC | Common: 1 Class B: 10 | 42.7\% | 6.9\% | 35.7\% | Nov-18 | 1993 |
| IDT | IDT | $\begin{array}{\|l} \hline \text { lass B: } 1 / 10 \\ \text { Class A: } 3 \\ \hline \end{array}$ | 68.1\% | 6.6\% | 61.4\% | Dec-18 | 2001 |
| Ingles Markets | IMKTA | Class A: 1; elects $25 \%$ of the board Class B: 10; elects $75 \%$ of the board | 81.2\% | 30.2\% | 51.0\% | Dec-18 | 1987 |
| Inovalon Holdings | INOV | $\begin{array}{\|l\|} \hline \text { Class A: } 1 \\ \text { Class B: } 10 \end{array}$ | 91.8\% | 52.9\% | 38.9\% | Nov-18 | 2015 |
| International Speedway | ISCA | $\begin{aligned} & \text { Class A: } 1 / 5 \\ & \text { Class B: } 1 \\ & \hline \end{aligned}$ | 80.5\% | 45.2\% | 35.3\% | Jan-19 | 1996 |
| Ironwood Pharmaceuticals | IRWD | Class A: 1 <br> Class B: 1; 10 for mergers | 49.9\% | 9.1\% | 40.8\% | Nov-18 | 2010 |
| John B. Sanfilippo \& Son | JBSS | Common: 1; elects $25 \%$ of board Class A Common: 10; elects $75 \%$ of board | 74.7\% | 22.8\% | 51.9\% | Jan-19 | 1991 |
| John Wiley \& Sons | JWA | Class A: $1 / 10$; elects $1 / 3$ of board Class B: 1; elects $2 / 3$ of board | 65.5\% | 16.0\% | 49.6\% | Dec-18 | 1978 |
| Johnson Outdoors | JOUT | Class A: 1; elects $25 \%$ of board Class B: 10; elects $75 \%$ of board | 57.9\% | 12.1\% | 45.8\% | Feb-19 | 1987 |
| Kelly Services | KELYA | Class A: no votes Class B: 1 | 100.0\% | 8.8\% | 91.2\% | Nov-18 | 1978 |
| Lamar Advertising Company | LAMR | $\begin{array}{\|l} \hline \text { Class A: } 1 \\ \text { Class B: } 10 \end{array}$ | 62.9\% | 14.5\% | 48.8\% | Nov-18 | 1996 |
| Laureate Education | LAUR | $\begin{array}{\|l} \hline \text { Class A: } 1 \\ \text { Class B: } 10 \end{array}$ | 93.5\% | 59.1\% | 34.4\% | Nov-18 | 2017 |
| Lennar | LEN | $\begin{aligned} & \hline \text { Class A: } 1 \\ & \text { Class B: } 10 \end{aligned}$ | 56.9\% | 11.6\% | 45.3\% | Jan-19 | 1994 |
| Liberty Broadband | LBRDK | Series C: no votes <br> Series A: 1 <br> Series B: 10 | $\begin{aligned} & 51.7 \% \\ & 48.3 \% \end{aligned}$ | $\begin{array}{r} 14.5 \% \\ 1.4 \% \end{array}$ | $\begin{aligned} & 37.2 \% \\ & 46.9 \% \end{aligned}$ | Nov-18 | 2014 |
| Liberty Expedia Holdings | LEXEA | Class A: 1 <br> Class B: 2 or 10 | 34.2\% | 4.9\% | 29.3\% | Nov-18 | 2016 |
| Liberty Media | FWONK | Series C Liberty SiriusXM: no votes <br> Series C Liberty Braves: no votes <br> Series C Liberty Formula One: no votes <br> Series A Liberty SiriusXM: 1 <br> Series A Liberty Braves: 1 <br> Series A Liberty Formula One: 1 <br> Series B Liberty SiriusXM: 10 <br> Series B Liberty Braves: 10 <br> Series B Liberty Formula One: 10 | $\begin{array}{r} 37.9 \% \\ 3.8 \% \\ 9.5 \% \\ 36.2 \% \\ 3.6 \% \\ 9.0 \% \end{array}$ | $\begin{array}{r} 16.9 \% \\ 1.7 \% \\ 4.2 \% \\ 1.6 \% \\ 0.2 \% \\ 0.4 \% \\ \hline \end{array}$ | $21.0 \%$ $2.1 \%$ $5.3 \%$ $34.6 \%$ $3.4 \%$ $8.6 \%$ | Nov-18 | 2014 |
| Liberty Tax | TAXA | Class A: 1; elects $45 \%$ of board Class B: 1; elects $55 \%$ of board | 55.0\% | 1.4\% | 53.6\% | Dec-18 | 2012 |
| Liberty TripAdvisor Holdings | LTRPA | Series A: 1 <br> Series B: 10 | 28.9\% | 3.9\% | 25.0\% | Nov-18 | 2014 |
| Lithia Motors | LAD | $\begin{aligned} & \hline \text { Class A: } 1 \\ & \text { Class B: } 10 \\ & \hline \end{aligned}$ | 30.7\% | 4.3\% | 26.4\% | Dec-18 | 1996 |
| Live Oak Bancshares | LOB | Non-voting Common: no votes Common: 1 | 100.0\% | 88.4\% | 11.6\% | Nov-18 | 2015 |
| Loral Space \& Communications | LORL | Non-voting Common: no votes Common: 1 | 100.0\% | 69.3\% | 30.7\% | Nov-18 | 2005 |
| ManTech International | MANT | $\begin{aligned} & \hline \text { Class A: } 1 \\ & \text { Class B: } 10 \\ & \hline \end{aligned}$ | 83.2\% | 33.2\% | 50.0\% | Nov-18 | 2002 |


| Company Name | Primary Ticker | Unequal Voting Structure | \%Vote | \%Equity | Wedge | As of | IPO <br> Year |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Match Group | MTCH | Common: 1 <br> Class B Common: 10 | 96.9\% | 75.5\% | 21.4\% | Nov-18 | 2015 |
| McCormick \& Company | MKC | Non-Voting Common: no votes Common: 1 <br> Shares in excess of $10 \%$ of outstanding votes held by the same owner cannot be voted. | 100.0\% | 7.2\% | 92.8\% | Jan-19 | 1978 |
| Meredith Corporation | MDP | Common: 1 <br> Class B Common: 10 | 56.2\% | 11.4\% | 44.8\% | Nov-18 | 1946 |
| MicroStrategy | MSTR | $\begin{aligned} & \hline \text { Class A: } 1 \\ & \text { Class B: } 10 \\ & \hline \end{aligned}$ | 68.3\% | 17.8\% | 50.5\% | Oct-18 | 1998 |
| Moelis \& Company | MC | $\begin{aligned} & \hline \text { Class A: } 1 \\ & \text { Class B: } 10 \end{aligned}$ | 69.6\% | 18.7\% | 50.9\% | Oct-18 | 2014 |
| Molson Coors Brewing Company | TAP | Class B: 1; elects $20 \%$ of board Class A: 1; elects $80 \%$ of board | 80.0\% | 1.3\% | 78.7\% | Oct-18 | 1978 |
| Moog | MOG.A | Class A: 1/10; elects 25\% of board Class B: 1; elects 75\% of board | 42.6\% | 6.9\% | 35.7\% | Jan-19 | 1980 |
| MongoDB | MDB | $\begin{aligned} & \hline \text { Class A: } 1 \\ & \text { Class B: } 10 \end{aligned}$ | 83.7\% | 33.9\% | 49.8\% | Dec-18 | 2017 |
| Movado Group | MOV | Common: 1 Class A Common: 10 | 80.0\% | 28.6\% | 51.4\% | Dec-18 | 1993 |
| MSC Industrial Direct | MSM | $\begin{aligned} & \hline \text { Class A: } 1 \\ & \text { Class B: } 10 \\ & \hline \end{aligned}$ | 69.3\% | 18.4\% | 50.9\% | Jan-19 | 1996 |
| MSG Networks | MSGN | Class A: 1; elects 25\% of board Class B: 10 ; elects $75 \%$ of board | 68.9\% | 18.2\% | 50.7\% | Nov-18 | 2010 |
| NACCO Industries | NC | $\begin{aligned} & \hline \text { Class A: } 1 \\ & \text { Class B: } 10 \\ & \hline \end{aligned}$ | 74.5\% | 22.6\% | 51.9\% | Oct-18 | 1978 |
| Nelnet | NNI | $\begin{aligned} & \hline \text { Class A: } 1 \\ & \text { Class B: } 10 \\ & \hline \end{aligned}$ | 79.7\% | 28.2\% | 51.5\% | Nov-18 | 2003 |
| Newmark Group | NMRK | $\begin{aligned} & \hline \text { Class A: } 1 \\ & \text { Class B: } 10 \\ & \hline \end{aligned}$ | 53.3\% | 10.2\% | 43.1\% | Nov-18 | 2017 |
| News Corporation | NWSA | Class A: no votes; 1 vote on mergers Class B: 1 | 100.0\% | 34.1\% | 65.9\% | Nov-18 | 2013 |
| NIKE | NKE | Class B: 1; elects 25\% of board Class A: 1; elects 75\% of board | 75.0\% | 20.0\% | 55.0\% | Jan-19 | 1980 |
| Nutanix | NTNX | Class A: 1 <br> Class B: 10 <br> Sunsets in 2033 | 69.5\% | 18.5\% | 50.9\% | Dec-18 | 2016 |
| Oil-Dri Corporation of America | ODC | $\begin{aligned} & \hline \text { Common: } 1 \\ & \text { Class B: } 10 \\ & \hline \end{aligned}$ | 81.1\% | 30.0\% | 51.1\% | Oct-18 | 1971 |
| Okta | OKTA | Class A: 1 <br> Class B: 10 <br> Sunsets in 2027 | 54.5\% | 10.7\% | 43.8\% | Dec-18 | 2017 |
| Oppenheimer Holdings | OPY | Class A: no votes Class B: 1 vote | 100.0\% | 0.8\% | 99.2\% | Oct-18 | 1986 |
| PHI | PHIIK | Non-Voting Common: no votes Common: 1 | 100.0\% | 18.4\% | 81.6\% | Nov-18 | 2006 |
| Phibro Animal Health | PAHC | $\begin{aligned} & \hline \text { Class A: } 1 \\ & \text { Class B: } 10 \\ & \hline \end{aligned}$ | 90.9\% | 50.0\% | 40.9\% | Nov-18 | 2014 |
| Pivotal Software | PVTL | $\begin{aligned} & \hline \text { Class A: } 1 \\ & \text { Class B: } 10 \\ & \hline \end{aligned}$ | 95.3\% | 66.9\% | 28.4\% | Dec-18 | 2018 |
| Pluralsight | PS | Class A: 1 <br> Class B: 1* <br> Class C: 10 | 54.0\% | 10.5\% | 43.5\% | Oct-18 | 2018 |
| Protective Insurance | PTVCB | Class B: no votes Class A: 1 | 100.0\% | 17.6\% | 82.4\% | Nov-18 | 1986 |
| Pzena Investment Management | PZN | $\begin{aligned} & \hline \text { Class A: } 1 \\ & \text { Class B: } 5 \end{aligned}$ | 93.8\% | 75.0\% | 18.8\% | Nov-18 | 2007 |


| Company Name | Primary Ticker | Unequal Voting Structure | \%Vote | \%Equity | Wedge | As of | IPO <br> Year |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| QAD | QADA | $\begin{aligned} & \hline \text { Class A: } 1 / 20 \\ & \text { Class B: } 1 \end{aligned}$ | 80.0\% | 16.6\% | 63.4\% | Dec-18 | 1997 |
| Quad/Graphics | QUAD | $\begin{array}{\|l\|} \hline \text { Class A: } 1 \\ \text { Class B: } 10 \end{array}$ | 78.1\% | 26.2\% | 51.9\% | Oct-18 | 2010 |
| Qurate Retail | QRTEA | Series A: 1 <br> Series B: 10 | 41.1\% | 6.5\% | 34.6\% | Nov-18 | 2006 |
| Ralph Lauren | RL | Class A: 1; elects $25 \%$ of board Class B: 10; elects $75 \%$ of board | 83.1\% | 32.9\% | 50.2\% | Feb-19 | 1997 |
| Reading International | RDI | Class A Non-Voting: no votes Class B Voting: 1 | 100.0\% | 7.3\% | 92.8\% | Nov-18 | 1994 |
| Reata Pharmaceuticals | RETA | $\begin{aligned} & \hline \text { Class A: } 1 \\ & \text { Class B: } 3 \\ & \hline \end{aligned}$ | 41.7\% | 19.3\% | 22.4\% | Nov-18 | 2016 |
| Regeneron Pharmaceuticals | REGN | $\begin{aligned} & \hline \text { Common: } 1 \\ & \text { Class A: } 10 \\ & \hline \end{aligned}$ | 15.1\% | 1.8\% | 13.3\% | Feb-19 | 1991 |
| Republic Bancorp. | RBCAA | $\begin{array}{\|l\|} \hline \text { Class A: } 1 \\ \text { Class B: } 10 \end{array}$ | 54.2\% | 10.6\% | 43.6\% | Nov-18 | 1998 |
| RingCentral | RNG | $\begin{array}{\|l\|} \hline \text { Class A: } 1 \\ \text { Class B: } 10 \end{array}$ | 63.2\% | 14.6\% | 48.6\% | Nov-18 | 2013 |
| RMR Group | RMR | $\begin{array}{\|l} \hline \text { Class A: } 1 \\ \text { Class B: } 10 \end{array}$ | 91.3\% | 51.2\% | 40.1\% | Feb-19 | 2015 |
| Roku | ROKU | $\begin{array}{\|l} \hline \text { Class A: } 1 \\ \text { Class B: } 10 \end{array}$ | 80.5\% | 29.3\% | 51.2\% | Nov-18 | 2017 |
| Rush Enterprises | RUSHA | $\begin{array}{\|l} \hline \text { Class A: } 1 / 20 \\ \text { Class B: } 1 \end{array}$ | 84.5\% | 21.5\% | 63.0\% | Nov-18 | 2002 |
| Saga Communications | SGA | Class A: 1; elects $1 / 3$ of board Class B: 10; elects $2 / 3$ of board | 64.2\% | 15.2\% | 49.0\% | Nov-18 | 1999 |
| Salem Media Group | SALM | $\begin{array}{\|l\|} \hline \text { Class A: } 1 \\ \text { Class B: } 10 \end{array}$ | 72.9\% | 21.2\% | 51.7\% | Nov-18 | 1999 |
| Scholastic | SCHL | Common: no votes; elects 20\% of board Class A: 1; elects $80 \%$ of the board | 100.0\% | 4.7\% | 95.3\% | Dec-18 | 1992 |
| Schneider National | SNDR | $\begin{array}{\|l\|} \hline \text { Class B: } 1 \\ \text { Class A: } 10 \end{array}$ | 89.8\% | 46.9\% | 42.9\% | Nov-18 | 2017 |
| SecureWorks | SCWX | $\begin{array}{\|l} \hline \text { Class A: } 1 \\ \text { Class B: } 10 \end{array}$ | 98.4\% | 85.7\% | 12.7\% | Dec-18 | 2016 |
| Seneca Foods | SENEA | $\begin{array}{\|l} \hline \text { lass A: } 1 / 20 \\ \text { Class B: } 1 \\ \hline \end{array}$ | 83.0\% | 19.6\% | 63.4\% | Feb-19 | 1995 |
| Sinclair Broadcast Group | SBGI | Class A: 1 <br> Class B: 10; 1 vote on mergers | 78.2\% | 26.3\% | 51.9\% | Nov-18 | 1995 |
| Skechers U.S.A. | SKX | $\begin{array}{\|l\|} \hline \text { Class A: } 1 \\ \text { Class B: } 10 \end{array}$ | 64.4\% | 15.3\% | 49.1\% | Nov-18 | 1999 |
| Smartsheet | SMAR | Class A: 1 <br> Class B: 10 <br> Sunsets in 2025 | 96.3\% | 72.1\% | 24.2\% | Dec-18 | 2018 |
| Snap | SNAP | Class A: 0 <br> Class B: 1* <br> Class C: 10 | 97.8\% | 17.0\% | 80.8\% | Feb-19 | 2017 |
| Sonic Automotive | SAH | Class A: 1 <br> Class B: 10; 1 vote on mergers | 79.7\% | 28.1\% | 51.6\% | Oct-18 | 1997 |
| Square | SQ | $\begin{aligned} & \text { Class A: } 1 \\ & \text { Class B: } 10 \end{aligned}$ | 77.3\% | 25.4\% | 51.9\% | Nov-18 | 2015 |
| Steelcase | SCS | $\begin{array}{\|l\|} \hline \text { Class A: } 1 \\ \text { Class B: } 10 \end{array}$ | 77.2\% | 25.3\% | 51.9\% | Dec-18 | 1998 |
| Stitch Fix | SFIX | Class A: 1 <br> Class B: 10 <br> Sunsets in 2027 | 93.2\% | 57.8\% | 35.4\% | Dec-18 | 2017 |
| Switch | SWCH | $\begin{aligned} & \text { Class A: } 1 \\ & \text { Class B: } 1 \\ & \text { Class C: } 10 \end{aligned}$ | 67.8\% | 17.4\% | 50.4\% | Nov-18 | 2017 |


| Company Name | Primary Ticker | Unequal Voting Structure | \%Vote | \%Equity | Wedge | As of | $\begin{aligned} & \text { IPO } \\ & \text { Year } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Synovus Financial | SNV | Time-phased voting: Owned for up to 4 years: 1 vote Owned for more than 4 years: 10 votes | 56.5\% | 11.5\% | 45.0\% | Mar-18 | 1978 |
| Tableau Software | DATA | $\begin{array}{\|l\|} \hline \text { Class A: } 1 \\ \text { Class B: } 10 \\ \hline \end{array}$ | 62.7\% | 14.4\% | 48.3\% | Nov-18 | 2013 |
| Telephone and Data Systems | TDS | Common: 1; elects $1 / 3$ of board Series A Common: 10; elects $2 / 3$ of board | 40.8\% | 6.5\% | 34.3\% | Nov-18 | 1981 |
| The Boston Beer Company | SAM | Class A: 1; elects $40 \%$ of board Class B: 1; elects $60 \%$ of board | 60.0\% | 26.0\% | 34.0\% | Oct-18 | 1995 |
| The Cato Corporation | CATO | $\begin{aligned} & \hline \text { Class A: } 1 \\ & \text { Class B: } 10 \\ & \hline \end{aligned}$ | 43.6\% | 7.2\% | 36.4\% | Nov-18 | 1987 |
| The E. W. Scripps Company | SSP | Class A Common: no votes; elects $1 / 3$ of board <br> Common: 1; elects $2 / 3$ of board | 100.0\% | 14.8\% | 85.2\% | Nov-18 | 1998 |
| The Estee Lauder Companies | EL | $\begin{aligned} & \hline \text { Class A: } 1 \\ & \text { Class B: } 10 \end{aligned}$ | 86.7\% | 39.4\% | 47.3\% | Oct-18 | 1995 |
| The Hershey Company | HSY | Common: 1 Class B Common: 10 | 80.3\% | 28.9\% | 51.4\% | Nov-18 | 1978 |
| The Madison Square Garden Co. | MSG | Class A: 1; elects $1 / 3$ of the board Class B: 10; elects $2 / 3$ of the board | 70.2\% | 19.1\% | 51.1\% | Feb-19 | 2015 |
| The Marcus Corporation | MCS | Common: 1 Class B Common: 10 | 80.7\% | 29.5\% | 51.2\% | Nov-18 | 1978 |
| The New York Times Company | NYT | Class A: 1; elects $30 \%$ of the board Class B: 1; elects $70 \%$ of the board | 70.0\% | 0.5\% | 69.5\% | Nov-18 | 1967 |
| The Trade Desk, Inc. | TTD | $\begin{aligned} & \hline \text { Class A: } 1 \\ & \text { Class B: } 10 \\ & \hline \end{aligned}$ | 65.9\% | 16.2\% | 49.7\% | Nov-18 | 2016 |
| Tilly's | TLYS | $\begin{aligned} & \hline \text { Class A: } 1 \\ & \text { Class B: } 10 \\ & \hline \end{aligned}$ | 78.7\% | 27.0\% | 51.7\% | Nov-18 | 2012 |
| Tootsie Roll Industries | TR | Common: 1 Class B Common: 10 | 86.9\% | 39.9\% | 47.0\% | Nov-18 | 1978 |
| Townsquare Media | TSQ | Class C: no votes* <br> Class A: 1 <br> Class B: 10 | 67.8\% | 15.9\% | 51.9\% | Nov-18 | 2014 |
| Tribune Media | TRCO | Class B: no votes Class A: 1 | 100.0\% | 100.0\% | 0.0\% | Nov-18 | 2013 |
| TripAdvisor | TRIP | Common: 1 <br> Class B Common: 10 | 50.6\% | 9.3\% | 41.3\% | Nov-18 | 2011 |
| Twenty-First Century Fox | FOXA | Class A: no votes; 1 vote on mergers Class B: 1 | 100.0\% | 43.0\% | 57.0\% | Nov-18 | 1994 |
| Twilio | TWLO | Class A: 1 <br> Class B: 10 <br> Sunsets in 2023 | 71.3\% | 19.9\% | 51.4\% | Nov-18 | 2016 |
| Tyson Foods | TSN | $\begin{aligned} & \hline \text { Class A: } 1 \\ & \text { Class B: } 10 \\ & \hline \end{aligned}$ | 70.3\% | 19.2\% | 51.1\% | Feb-19 | 1978 |
| Under Armour | UA | Class C: no votes <br> Class A: 1 <br> Class B: 10 | 64.7\% | 7.7\% | 57.0\% | Nov-18 | 2005 |
| UniFirst | UNF | Common: 1 Class B common: 10 | 70.6\% | 19.4\% | 51.2\% | Jan-19 | 1983 |
| United Parcel Service | UPS | $\begin{aligned} & \hline \text { Class B: } 1 \\ & \text { Class A: } 10 \\ & \hline \end{aligned}$ | 70.2\% | 19.1\% | 51.1\% | Oct-18 | 1999 |
| United States Cellular | USM | Common:1; elects $25 \%$ of the board Series A Common: 10; elects $75 \%$ of the board | 86.2\% | 38.5\% | 47.7\% | Nov-18 | 1988 |
| Universal Health Services | UHS | Class B + D: 0.1; elects 25\% of board Class A + C: 10; elects 75\% of board | 89.4\% | 7.8\% | 81.6\% | Nov-18 | 1981 |
| Urstadt Biddle Properties | UBA | Class A Common: 1/20 Common: 1 | 86.9\% | 25.0\% | 61.9\% | Jan-19 | 1998 |


| Company Name | Primary Ticker | Unequal Voting Structure | \%Vote | \%Equity | Wedge | As of | IPO <br> Year |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| U.S. Xpress Enterprises | USX | Class A: 1 <br> Class B: 5 | 70.2\% | 32.1\% | 38.1\% | Nov-18 | 2018 |
| Veeva Systems | VEEV | Common: 1 <br> Class B Common: 10 <br> Sunsets in 2023 | 61.7\% | 13.9\% | 47.8\% | Dec-18 | 2013 |
| Viacom | VIAB | Class B: no votes Class A: 1 | 100.0\% | 12.3\% | 87.7\% | Nov-18 | 1999 |
| Vicor | VICR | Common: 1 <br> Class B Common: 10 | 80.5\% | 29.3\% | 51.2\% | Oct-18 | 1990 |
| Victory Capital Holdings | VCTR | Class A: 1 <br> Class B: 10 | 97.4\% | 78.8\% | 18.6\% | Nov-18 | 2018 |
| Village Super Market | VLGEA | $\begin{array}{\|l\|} \hline \text { Class A: } 1 \\ \text { Class B: } 10 \end{array}$ | 81.0\% | 29.9\% | 51.1\% | Dec-18 | 1978 |
| Visa | V | Class B: no votes; 1 vote for mergers* Class C: no votes; 1 vote for mergers* Class A: 1 | 100.0\% | 87.2\% | 12.8\% | Jan-19 | 2008 |
| Vishay Intertechnology | VSH | Common Stock: 1 <br> Class B Common: 10 | 47.8\% | 8.4\% | 39.4\% | Oct-18 | 1978 |
| Vishay Precision Group | VPG | Common: 1 <br> Class B Common: 10 | 45.2\% | 7.6\% | 37.6\% | Nov-18 | 2010 |
| VMware | VMW | $\begin{array}{\|l\|} \hline \text { Class A: } 1 \\ \text { Class B: } 10 \\ \hline \end{array}$ | 96.5\% | 73.2\% | 23.3\% | Dec-18 | 2007 |
| Voxx International | VOXX | $\begin{aligned} & \text { Class A: } 1 \\ & \text { Class B: } 10 \end{aligned}$ | 50.8\% | 9.3\% | 41.5\% | Jan-19 | 1987 |
| Watsco | WSO | Common: 1 <br> Class B Common: 10 | 62.3\% | 14.2\% | 48.1\% | Nov-18 | 1984 |
| Watts Water Technologies | WTS | $\begin{aligned} & \hline \text { Class A: } 1 \\ & \text { Class B: } 10 \end{aligned}$ | 69.5\% | 18.6\% | 50.9\% | Nov-18 | 1986 |
| Wayfair | W | $\begin{array}{\|l\|} \hline \text { Class A: } 1 \\ \text { Class B: } 10 \end{array}$ | 82.2\% | 31.6\% | 50.6\% | Nov-18 | 2014 |
| William Lyon Homes | WLH | Class A: 1 <br> Class B: 5 | 42.2\% | 12.8\% | 29.4\% | Nov-18 | 2013 |
| Workday | WDAY | Class A: 1 <br> Class B: 10 <br> Sunsets in 2032 | 81.6\% | 30.7\% | 50.9\% | Dec-18 | 2012 |
| Workiva | WK | $\begin{array}{\|l} \hline \text { Class A: } 1 \\ \text { Class B: } 10 \end{array}$ | 74.0\% | 22.2\% | 51.8\% | Nov-18 | 2014 |
| World Wrestling Entertainment | WWE | $\begin{array}{\|l} \hline \text { Class A: } 1 \\ \text { Class B: } 10 \end{array}$ | 88.7\% | 44.0\% | 44.7\% | Feb-19 | 1999 |
| Zillow Group | Z | Class C: no votes <br> Class A: 1 <br> Class B: 10 | $\begin{aligned} & 48.3 \% \\ & 51.7 \% \end{aligned}$ | $\begin{array}{r} 28.5 \% \\ 3.1 \% \end{array}$ | $\begin{aligned} & 19.8 \% \\ & 48.6 \% \end{aligned}$ | Nov-18 | 2015 |
| Zuora | ZUO | Class A: 1 <br> Class B: 10 <br> Sunsets in 2028 | 82.8\% | 32.6\% | 50.3\% | Dec-18 | 2018 |


[^0]:    ${ }^{1}$ Companies that use Up-C structures with two classes of outstanding shares but have no wedge between voting and equity interests are excluded here. They are: American Homes 4 Rent, Empire State Realty Trust, Evercore Partners, Interactive Brokers Group, Malibu Boats, PBF Energy, PennyMac Financial Services, PJT Partners, QTS Realty Trust, RE/MAX Holdings, The Habit Restaurants, Virtu Financial, and Worldpay.
    ${ }^{2}$ In many dual-class companies, insiders may own both super-voting shares and inferior-voting shares, making their personal wedge differ from the class wedge.

