NBER WORKING PAPER SERIES

GENDER QUOTAS AND SUPPORT FOR WOMEN IN BOARD ELECTIONS

Marina Gertsberg Johanna Mollerstrom Michaela Pagel

Working Paper 28463 http://www.nber.org/papers/w28463

NATIONAL BUREAU OF ECONOMIC RESEARCH 1050 Massachusetts Avenue Cambridge, MA 02138 February 2021, Revised May 2022

We thank Laura Starks, Gregor Matvas, Reena Aggarwal, Elena Carletti, Gary Charness, Todd Gormley, Amanda Chuan, Gaby Contreras, Christine Exley, Neal Galpin, Mariassunta Giannetti, Pavitra Govindan, Daniel Greene, Jillian Grennan, William Hickman, Alex Imas, Vincent Intintoli, Nadya Malenko, Felix von Meyernick, Alexandra Niessen-Ruenzi, Eva Ranehill, Alex Rees-Jones, Jason Sandvik, Itzhak Ben-David, Elena Simintzi, and David Matsa for helpful comments and suggestions. We also thank seminar and conference participants at various institutions including the NBER-RFS Conference on Inequality, NBER Corporate Finance, Discrimination and the Financial System, WFA, EFA, FIRN, ECWFC, Discrimination and Disparities seminar series at UT Austin, HEC Montreal, Barnard, Columbia, ANU, UNSW, University of Melbourne, and Monash University. The views expressed herein are those of the authors and do not necessarily reflect the views of the National Bureau of Economic Research.

NBER working papers are circulated for discussion and comment purposes. They have not been peer-reviewed or been subject to the review by the NBER Board of Directors that accompanies official NBER publications.

© 2021 by Marina Gertsberg, Johanna Mollerstrom, and Michaela Pagel. All rights reserved. Short sections of text, not to exceed two paragraphs, may be quoted without explicit permission provided that full credit, including © notice, is given to the source.

Gender Quotas and Support for Women in Board Elections Marina Gertsberg, Johanna Mollerstrom, and Michaela Pagel NBER Working Paper No. 28463 February 2021, Revised May 2022 JEL No. G3,J16,J7

ABSTRACT

We study shareholder support for corporate board nominees before and after the 2018 California gender quota. Pre-quota, new female nominees received greater support than new male nominees, consistent with women being held to a higher standard. Post-quota, as the number of women increased, support for new (mandated) female nominees decreased to the same level of, but not lower than, the support that new male nominees enjoy. Still, share prices reacted negatively to the quota. We show that this reaction was concentrated in firms that did not turn over their least-supported male directors when adding women to comply with the quota.

Marina Gertsberg University of Melbourne Australia marinagertsberg@googlemail.com

Johanna Mollerstrom Vernon Smith Hall 5028 George Mason University 3434 Washington Blvd Arlington, VA 22201 jmollers@gmu.edu Michaela Pagel Columbia Business School 3022 Broadway Uris Hall New York, NY 10027 and NBER mpagel@columbia.edu

1 Introduction

In September 2018, California (CA) passed a gender quota for corporate boards (Senate Bill 826). The quota required all publicly held firms headquartered in the state to have at least one appointed female director by the end of 2019. It further mandated that boards with five (six or more) members have two (three) female board members by the end of 2021. The stock market reacted negatively to the quota (as documented by Hwang, Shivdasani, and Simintzi, 2018; Greene, Intintoli, and Kahle, 2020). This reaction has been interpreted as shareholders opposing the mandated addition of new female directors (e.g., due to scarcity of qualified female candidates leading to higher search costs, or because of suboptimal trustees being appointed), and preferred the pre-quota board composition.

We consider two alternative perspectives which could explain the negative stock price reaction. Both are based on the premise that the quota is a shock that prompts a restructuring process of the board through director appointments and turnovers. Our two alternative perspectives are inspired by two of the errors that can be made when restructuring a board in response to the quota. First, it may be that boards are unable to recruit shareholders' preferred female directors to comply with the mandate (even though such candidates exist). In this case, boards replace shareholders' preferred incumbent male directors with new female directors that do not meet the shareholders' standards. Second, it could be that boards add female directors that shareholders approve of, but that other mistakes are made in the replacement process. For example, boards may fail to turn over the least-supported incumbent male directors. In both cases, we would expect negative share price reactions.

Recent evidence casts doubt on the premise that the characteristics or qualifications of the new female directors are driving negative stock price reactions to quotas. In Norway, one of the first countries to introduce a gender quota for corporate boards, Bertrand et al. (2019) showed that the female director pool was able to broaden without compromising director quality (c.f. Ahern and Dittmar, 2012). Within the context of the CA gender quota, Hwang, Shivdasani, and Simintzi (2018) and Greene, Intintoli, and Kahle (2021) analyze the characteristics of quota-mandated female directors and find that these cannot explain the negative

response of the stock market. Female directors appear to be similar to male directors across many dimensions, but not all (e.g. women have less CEO experience). This is consistent with a lack of clarity about which characteristics shareholders value.¹

Stock prices do not provide disaggregated information on shareholders' attitudes towards individual director nominees. To provide a measure that does, we hand-collected data on shareholder votes in the annual shareholder meetings for approximately 600 firms, before and after the introduction of the CA quota. Because shareholders also price the company's stock, combining the share price reaction with how shareholders vote provides a more holistic perspective from which to analyze shareholders' attitudes.

Shareholder votes matter. Directors that receive low support from shareholders tend to stay on the board for a shorter time than those with high support, are moved to less important positions and have worse future job market prospects (Cai, Garner, and Walkling, 2009; Bach and Metzger, 2015; Iliev et al., 2015; Fos, Li, and Tsoutsoura, 2018; Aggarwal, Dahiya, and Prabhala, 2019; Bolton et al., 2020). Thus, votes are consequential for directors and, as a result, are an important tool for shareholders to shape corporate governance. However, even low-supported directors are still elected to serve on the boards in the short term. This implies that shareholders do not need to vote in favor of female nominees to ensure that the firm complies with the quota: conditional on enough women standing for election, shareholders do not risk an insufficient amount of female directors being appointed to the board.

Combining the information on shareholder support and stock price reactions to the quota, we find that boards are able to recruit female directors who shareholders approve of. However, stock prices reacted negatively when companies retained the least-supported male directors and replaced male directors with higher support when adding female directors to comply with the quota.

¹For instance, Adams, Akyol, and Verwijmeren (2018) argue that firm performance increases when director skill sets exhibit more commonality. At the same time, Kim and Starks (2016) provide evidence that women directors contribute expertise often missing from corporate boards, which implies that heterogeneity increases firm value in at least some cases. This is consistent with Erel et al. (2021), who point out that there is no clear mapping from qualification (skill) measures to shareholder preferences.

We start by providing evidence inconsistent with the first perspective that could explain the negative stock market reaction to the CA quota: that boards are not able to recruit female directors shareholders approve of. We first show that, prequota, new female nominees received greater shareholder support than new male nominees. This is consistent with women facing a higher bar to be nominated for board positions.

Post-quota, the number of female appointees greatly increased. We show that while shareholder support for new female nominees decreased after the quota, it did not decrease below the level of support for new male nominees. Thus, we see no evidence that shareholders support quota-mandated female nominees less than new male nominees. We hence conclude that boards were able to recruit enough female directors shareholders approve of within the context of the CA quota.

In all analyses, we include election fixed effects to compare female and male as well as incumbent and new nominees within the same election. One may be concerned that shareholders vote for women to ensure compliance with the quota. However, we do not find any evidence that shareholders support female nominees just because of the quota requirement. First, if this was the case, we would expect support for incumbent female nominees to be higher post quota considering that their outside options have improved. But we do not find that. Second, we predict support for new female and male nominees based on their characteristics using the framework in Erel et al. (2021). Since the relationship between support and characteristics is determined before the quota, even if actual support for female candidates was inflated by the quota, the predicted support would not be. We show that the predicted support of new female nominees post-quota is no lower than the predicted support of new male nominees. To further establish robustness, we separately analyze the subset of non-classified boards and firms that are not traded on major exchanges, as well as control for the shareholder advisory firm Institutional Shareholder Services (ISS) recommendations. We also show that our results are not driven by certain nominee characteristics such as board committee membership or director independence.

We next turn to the second perspective that could explain the negative stock market reaction to the CA quota: that boards may destroy value through suboptimal turnover of male directors when adding female directors to comply with the quota. We show that, indeed, the negative stock price reaction to the quota is concentrated within firms that turn over a male director when a new female director joins their board after the quota. We further show that stock prices of companies reacted negatively only when companies retained the least-supported male directors and replaced male directors with higher support when adding women to the board. The fact that unpopular male directors remain on boards as new women join is also reflected in a substantial aggregate decline in shareholder support for incumbent male nominees post-quota. Finally, we provide supporting evidence showing that characteristics observable to shareholders at the time of the quota announcement are correlated with the likelihood with which a board will fail turning over the least-supported male directors.

In all analyses, we control for board characteristics associated with corporate governance quality at the time of the quota announcement. Furthermore, we separately analyze the subset of non-classified boards, control for firm size, and ensure that our results are not driven by instances where a committee chair is turned over.

Taken together, our analysis provides two pieces of evidence that are jointly derived from shareholder behavior in pricing a firm's stock and voting for director nominees at elections: (1) a high level of shareholder support for new (quotamandated) female nominees; and (2) a negative stock price reaction in response to the quota for firms who fail to turn over the least-supported male directors when adding women to comply with the regulation. Jointly, these pieces of evidence lend support to the conclusion that the quota destroys value for firms, but not because of the women newly appointed to directorships. Our results provide an important reminder that when a share price reacts to a new regulation, the reaction reflects a combination of shareholder considerations. In our setting, shareholders are reacting to both the regulation, and to the firms' expected responses to the regulation.

Alternative explanations must jointly account for findings (1) and (2). For instance, recent evidence suggests an attitude shift towards women directors that started before the quota, likely brought about by an increase in public demand for gender diversity, as well as by initiatives of institutional investors advocating female board representation (Giannetti and Wang, 2020; Gormley et al., 2020). While such developments might help to explain increasing support for female nominees

in general, they cannot explain the negative share price reaction to the quota, or the relationship between the negative share price reactions and turnover decisions regarding incumbent male directors. In additional tests, we explore alternative drivers of shareholder support for new female nominees. We first analyze voting trends in other US states not subject to the quota and find important differences relative to the voting pattern observed in CA. In addition, we show that our results hold for the subset of institutional investors who did not advocate for female directors.

Our work contributes to the literature seeking to understand the consequences of gender quotas for boards of directors. While the evidence on the viability and benefits of gender board quotas is mixed (e.g. Adams and Ferreira, 2009; Gul, Srinidhi, and Ng, 2011; Adams and Funk, 2012; Kim and Starks, 2016; Bernile, Bhagwat, and Yonker, 2018; Naaraayanan and Meisner Nielsen, 2020), quotas are increasing in popularity as a policy tool to increase female representation in leadership positions (Smith, 2018).

In 2003, Norway became the first country in the world to introduce a gender quota for corporate boards. In an early study on the effects of the Norwegian quota, Ahern and Dittmar (2012) argued that its passage was followed by a negative stock market reaction and a subsequent decline in firm value and accounting performance. Matsa and Miller (2013) reached similar results regarding firm profits using a matched sample of Swedish firms as a control group, as did Yang et al. (2019) with a related empirical design. With respect to the qualifications of quota-mandated female directors, Ahern and Dittmar (2012) documented that the new women who joined the board post-quota were less experienced than incumbent male directors.

An empirical challenge when investigating the Norwegian quota is uncertainty about the event date. A more recent study, Eckbo, Nygaard, and Thorburn (2020), considered various event dates and failed to find any significant (positive or negative) effects on firm value and operating performance in response to the quota.² This finding is in line with the evidence provided by Bertrand et al. (2019) who

²In addition, they argued that the positive abnormal returns found in Nygaard (2011) were unrelated to the passage of the quota, as foreign firms not subject to the quota but listed on the same exchange experienced similar stock price increases around that period.

showed that the women added to boards in Norway as a result of the mandate were as qualified as their male counterparts and as the incumbent female board members who were appointed pre-quota.³

The 2018 CA quota has a precise event date and firms were left with a relatively short time to comply with the law after its passing. The enactment of the gender board quota in CA also represents a first opportunity to study shareholder attitudes to mandated quotas in the US context. Studies that provide first evidence on the impact of CA's quota on stock prices include Hwang, Shivdasani, and Simintzi (2018) and Von Meyerinck et al. (2019) and Greene, Intintoli, and Kahle (2020). All three studies provide evidence of significant negative announcement returns to the quota, ranging from -1.2% to -2.2%. The exact impact depends on the extent of compliance, i.e., firms who were already in compliance with the quota at enactment experienced no adverse effect on returns. Hwang, Shivdasani, and Simintzi (2018) showed that firms with an insufficient supply of female directors experienced increasing costs as a result of the 2018 CA quota. These costs included weaker corporate governance, lower profitability, more limited access to the local director pool, lower earnings forecasts, and wider credit default spreads. Von Meyerinck et al. (2019) suggest that the negative announcement returns stem from shareholders' reactions to the government's attempt to regulate non-economic values.

These papers all use announcement returns, and the findings of these papers support the view that shareholders opposed the introduction of the CA quota. Using election results for individual nominees as a direct measure for shareholder preferences, our study provides a new lens for analyzing shareholder reactions.

The paper is organized as follows. Section 2 provides background information on the CA gender quota and the director election process. Section 3 describes the data, and Section 4 presents our empirical strategy. Thereafter, Section 5 discusses

³Another recent study by Ferrari et al. (2021) does not find any evidence of negative announcement returns to the quota nor adverse subsequent accounting performance within the context of the Italian board quota (Ferrari et al., 2021). The authors conclude that the quota had no negative effect on firm value in Italy.

⁴Of these three papers, Greene, Intintoli, and Kahle (2020) employed the largest sample and included all publicly traded firms headquartered in CA, whereas Hwang, Shivdasani, and Simintzi (2018) focused on Russell 3000 firms, and Von Meyerinck et al. (2019) used firms included in the BoardEx database.

2 Institutional Setting

2.1 The Quota: CA Senate Bill No. 826

The CA gender quota for corporate boards was announced and went into effect on September 30, 2018. As in Hwang, Shivdasani, and Simintzi (2018) and Von Meyerinck et al. (2019) and Greene, Intintoli, and Kahle (2020), we define this is our event date.

The regulation applies to all publicly held domestic and foreign firms head-quartered in the state (i.e. with a principal executive office as identified in the firm's 10-K filing), corresponding to 12% of all US firms. The quota required firms to have at least one appointed female director by the end of 2019. Further, boards with five (six or more) members must have two (three) appointed female board members by the end of 2021. In our sample, an average board consists of eight members, and is thus subject to a 12.5% quota by the end of 2019, and a 37.5% quota by the end of 2021. The CA quota marks the first binding board quota in the US, and noncompliance comes at a cost of \$100,000 for the first violation and \$300,000 for subsequent violations. This fine is small relative to the size of the firms it affects (Fried, 2021).⁵ Nonetheless, to date, virtually all firms complied with the requirement to have at least one female director on their boards.⁶

As argued by the literature, the CA quota offers a good setting for an event study because it was unexpected (Hwang, Shivdasani, and Simintzi, 2018; Von Meyerinck et al., 2019; Greene, Intintoli, and Kahle, 2020). It was unclear whether the bill would become law, as Governor Jerry Brown did not make any public

⁵In our sample, the median firm has a market capitalization of \$1.5 billion meaning that the initial fine of \$100,000 represents less than 0.001% of firm value. The size of these fines may put a bound on how much a firm would incur in search costs or other costs associated with finding or appointing a female director. For instance, a firm with a 10% discount rate would be indifferent between paying a perpetual fine with present value of \$3 million and incurring \$3 million in search costs for a female director. On the other hand, there may also be other costs, for example reputational, arising from not complying with the law. Since most firms in our sample comply with the quota, we know that their cost of finding and appointing a woman is less than the expected value of penalties.

⁶Firms comply with the law by filing a report through the website of the CA Secretary of State.

statements on his position before enacting it on Sunday, September 30, 2018 (Jorge L. Ortiz, 2018). After the passing of the law, firms had 15 months to prepare for compliance. This setup ensures both a more specific event time and a shorter preparation time than, for example, the Norwegian gender quota for corporate boards.

2.2 Director Elections

We use shareholder votes for directors during the annual election to measure shareholders' attitudes toward individual directors. The current board nominates a slate of candidates for an election, typically one candidate per available seat (uncontested). Firms send information about the date and place of the annual meeting, instructions on how to vote, and a list of the items that shareholders can vote on prior to the annual meeting ('proxy materials'). The proxy materials include information on current directors and nominees for the upcoming year (including name, age, tenure, and bio).

Extant literature uses shareholder votes as a measure of individual director performance (Hart, Zingales, et al., 2017). Institutional investors report that voting is one of the most important ways they engage with the board (McCahery, Sautner, and Starks, 2016). Shareholder support for directors summarizes the complex and time-varying set of attitudes that shareholders have for an individual director as well as that director's fit to the board (Bolton et al., 2020; Erel et al., 2021).

Voting rules make it unlikely that an individual candidate is precluded by serving on the board based on low shareholder support (Bebchuk, 2007). For example, for a board with plurality voting running an uncontested election, a director is elected if they receive even a single vote. However, low shareholder support does lead to more effort as well as committee re-assignments and director departures over the medium to long-term (Cai, Garner, and Walkling, 2009; Iliev et al., 2015;

⁷The voting rules can be broadly divided into plurality and majority voting rules (but companies can formulate corporate bylaws which introduce modifications). Under the plurality voting rule, the N nominees for N board seats with the most votes win the election, but since the number of board seats generally equals the number of nominees, one vote is enough for the nominee to be elected. Under the majority rule, a nominee needs 50% of the votes. In practice, it is extremely rare that this threshold is not met. Overall, in our sample there are 69 cases where a nominee received less than 50% support. Only 7 of those cases involved female nominees.

Fischer et al., 2009; Aggarwal, Erel, and Starks, 2016; Fos, Li, and Tsoutsoura, 2018; Erel et al., 2021). This serves to maintain continuity of management as the board identifies suitable replacements (Aggarwal, Dahiya, and Prabhala, 2019). In summary, shareholder votes serve as a signal that the board uses to search for replacement directors rather than a hurdle that prevents an individual from serving on a board.

The idea that votes serve as a signal rather than a hurdle is important in our setting. A new female nominee will almost always serve on the board even if shareholders express dissent. However, boards do not ignore weak support for a director. So a poorly-fitting female director mandated by the quota will tend to face reassignment or may have to leave sooner if shareholders do not support her, but she will first serve and the firm will meet the quota requirements until a suitable replacement is found.

Some readers may argue that shareholders do not vote against a female nominee because voting against would make the female nominee feel unwelcome and risk losing her as a board member. In that case, support for female nominees is artificially inflated relative to her merits as a director. However, as we will discuss later, incumbent female nominees do not experience an increase in support post quota. In addition, we show using results from Erel et al. (2021) that expected support for new female nominees was not lower based on the characteristics of post-quota female nominees.

3 Data

Our sample is composed of all firms affected by the CA quota. We construct our dataset from the filings submitted by companies to the US Securities and Exchange Commission (SEC). These filings are available through the SEC's Electronic Data Gathering, Analysis, and Retrieval system (EDGAR), and all companies with publicly traded securities that are subject to Section 12 or Section 15(d), are required to file with the SEC. This sample is referred to in the CA Senate Bill 826 text as

⁸Aggarwal, Dahiya, and Prabhala (2019) find that deviating from the average level of support of 94% by 10% (to 84%) increases the probability to be turned over by 24%. A 10% deviation equals a one standard deviation of support in our sample.

a "publicly held domestic or foreign corporation whose principal executive offices, according to the corporation's SEC 10-K form, are located in CA" (Secretary of State California, 2018).⁹

For board election outcomes, we hand-collect information from Form 8-K. If there was a vote on the board of directors, the results are reported in the 8-K under Item 5.07, which states the name of each director elected at the meeting, the number of votes cast for, against, and withheld, and the number of abstentions and broker non-votes. This form must be filed by firms within four business days of the election. On EDGAR, we search for firms headquartered in CA both before and after the passage of the quota and that have director election results (Item 5.07) both pre- and post-quota. We thus require firms to remain in business for at least one year in order to have director election results available in both the pre- and post-quota period. We let the data start in 2016 to ensure we have sufficient coverage of elections before the passage of the quota and collect all election data until the end of 2020.

We exclude firms that are subsidiaries of other companies or that were acquired or delisted during the sample period. Likewise, we exclude nine elections that were proxy contests, as these elections are likely to have different dynamics.

Our final sample consists of 585 firms. It is larger than the samples used in Hwang, Shivdasani, and Simintzi (2018) and Von Meyerinck et al. (2019), and comparable to the sample size in Greene, Intintoli, and Kahle (2020). Our sample is larger due to the fact that we hand-collected data and included firms with publicly traded equity that are not part of the Russell 3000 or the S&P 1500.

For every election, we use the matching Form DEF14A (Definitive Proxy Statement), which contains information on the voting procedure and the backgrounds of the directors who are nominated to serve on the board for the next fiscal year. This form must be filed in advance of the shareholder meeting if shareholder votes

⁹The bill further refers to a public corporation as a corporation with outstanding shares listed on major US stock exchanges without specifying the exchanges. In our sample, we include all firms with public equity outstanding. If any firm that is not mandated to comply should accidentally have been included, this would bias our results towards zero. In addition, we observe that firms who are not part of large stock indices also adjust their board compositions to comply with the quota. Moreover, we conduct a robustness check to ensure that our results are robust for the exclusion of the firms whose equity is not listed on the major exchanges (see Table A3 in the Appendix).

are solicited. For every nominee in every election, we collect information on gender, age, tenure, and independence, as reported in the form.¹⁰ Nominee gender is identified from the nominee biographies in the DEF14A filings, which use gendered pronouns. We use other sources (e.g. LinkedIn) to identify nominee gender when biographies are ambiguous.

Our data set includes the set of directors suggested by the firm for the upcoming fiscal year, which represents the board composition shareholders vote over at the shareholder meeting. We exclude directors who are listed as nominees in the DEF14A, but drop out before the election takes place.

There is a distinction between classified (i.e., staggered) and non-classified boards. In firms with classified boards, not all directors who will be on the board in the upcoming year stand for election. Classified boards have been found to be associated with worse corporate governance (Bebchuk and Cohen, 2005). Therefore, we make sure our results also hold in the sub-sample of non-classified boards (see Table A2 in the Appendix). Form DEF14 provides director information for both nominees and continuing directors.

Finally, we obtain announcements of director appointments and departures from 8-K filings (Item 5.02). This allows us to track changes in board composition between the last pre-quota election and the first post-quota election. Thus, we can infer the exact board composition at the time of the quota announcement, as well as and subsequent changes to this composition.

3.1 Shareholder Support for Nominees

We define our main variable of interest, *Support*, as the fraction of supporting votes received by a nominee who stands for election for the board of directors at a firm's annual meeting. We differentiate between the supporting voting category "for" (which is the same across all firms) and the non-supporting categories (where nomenclature varies across firms and includes "against," "withhold," "abstain," "withhold/against," "abstain/against"). *Support* is measured as the ratio of supporting votes to the sum of all votes. This is in line with the definition used

¹⁰We encountered typos in reported director age. For consistency and because this is the information shareholders receive, we abstain from correcting these errors in the data. Doing so does not affect any of our results.

in the literature on director elections (Cai, Garner, and Walkling, 2009; Fischer et al., 2009; Iliev et al., 2015; Aggarwal, Dahiya, and Prabhala, 2019) and with the approach adopted by the shareholder advisory firm Institutional Shareholder Services (ISS).¹¹ We also follow the standard of this literature and exclude broker non-votes.¹² Typically, these votes are not considered "votes cast" under state law.¹³ For ease of interpretation, we use a standardized version of our *Support* measure throughout our analyses. This means that we subtract the sample mean from *Support* and subsequently divide it by the sample standard deviation. As such, differences in support are expressed as a fraction (percentage) of the sample standard deviation of support unless otherwise stated.

3.2 Descriptive Statistics

Our sample consists of 585 distinct firms which held a cumulative total of 2,744 elections over the 60 month-year periods from January 2016 to December 2020. Table 1 shows descriptive statistics and provides an overview of the overall board characteristics associated with an election, which is our level of analysis. The total number of observations is greater (21,206) than our nominee sample (15,257), as the former also covers continuing directors at classified boards (in which not all board members are voted on each year; 43.1 percent of the boards in our sample are classified) who are not standing for election but who will serve on the board in the upcoming fiscal year. In our nominee sample, each observation represents a nominee who will be voted on in a given election. The average (median) raw support is 94.0% (97.8%). However, there is variation as the standard deviation equals 9.1% and, as discussed above, deviations in support have been documented

¹¹Cai, Garner, and Walkling (2009) measure support as the number of "for" votes divided by the sum of "for" and "withhold" votes. They ignore other voting categories because the ISS Voting Analytics database only reports these two categories. They also construct a measure called "excess votes" which is the difference between "for" votes for the focal nominee and the average votes for all nominees up for election at the same shareholder meeting. We use election fixed effects throughout our analysis which capture the control measures in Cai, Garner, and Walkling (2009).

¹²These are votes held by beneficiaries through brokers or other third parties and for which the beneficiaries did not provide any instructions on how to vote.

¹³Furthermore, Cai, Garner, and Walkling (2009) show that broker non-votes have no impact on director election outcomes.

to be meaningful for the nominees (Erel et al., 2021).

Table 2 splits our nominee sample by gender. 17.7% of nominees are female, and they receive, on average, 1.9% (20.8% of a standard deviation) more support from shareholders than male nominees. Also, female nominees receive higher median support than male nominees and the voting results for women have a slightly lower standard deviation. Female candidates are, on average, 2.9 years younger and have served 3.6 years less on the board than male candidates. The fraction of new nominees is more than twice as high for women as for men, reflecting the fact that a large number of women were added to boards recently. Figure 1 shows the average share of female board directors in CA for firms impacted by the quota. It shows the share of women on boards increasing over the course of our sample period. It further shows a clear structural break after the quota was introduced in 2018. While the average share of women on boards was 12.9% in 2016, it was 15.9% in 2018, and 19.2% (23.4%) in 2019 (2020). In Figure 2, we also see a strong increase in newly-appointed female directors. In 2019 and 2020, more new female than male nominees were standing for election. Together, these figures indicate that the quota had the intended effect of increasing female board representation.

We do not observe increases in the number of directorships per director ("busyness") after the quota.¹⁴ This means that pre-quota female incumbent directors do not simply increase their number of board seats post-quota. This is supported by a recent study that shows that the quota-mandated female directors come from outside of the current director network (Greene, Intintoli, and Kahle, 2021). Moreover, we observe that the median board size remained constant (at eight) after the quota until the end of 2019, and increased by one in 2020. This suggests that boards did not simply grew by adding women to meet the quota requirements.

3.3 Announcement Returns to the 2018 CA Quota

The stock market reacted negatively to the announcement of the CA quota (Hwang, Shivdasani, and Simintzi, 2018; Von Meyerinck et al., 2019; Greene, Intintoli, and Kahle, 2020). In Table 3, we verify that this holds for our sample.

¹⁴Both male and female directors slightly decrease the number of seats on different boards after the quota. There is a larger decrease in busyness for female directors. The median number of board seats is one per director.

We obtained data on raw and excess returns from The Center for Research in Security Prices (CRSP) database for most of our firms. However, given that our sample also contains small firms whose equities trade on Over-the-Counter (OTC) exchanges, we collect stock returns for 31 firms from Yahoo Finance. 15 Each firm must have at least 30 days of returns for the estimation. There are 31 firms in our sample that do not satisfy this requirement. We use October 1, 2018 as our event date (as September 30, 2018 is a Sunday), and our estimation window spans 255 trading days prior to the event and six days after. We exclude 30 firms that experienced other material events at the time of the quota announcement, as those events could have affected shareholder reactions to the quota announcement. ¹⁶ As a result, the average return is based on a sample of 524 firms. ¹⁷ We estimate daily abnormal returns by subtracting the predicted returns from the raw returns. The predicted returns use the CRSP value-weighted market index. Our average abnormal return is -1.06% on the event date, and -1.12% if we exclude the 30 firms that are traded on OTC exchanges. 18 Thus, our results are similar to those in previous studies finding average abnormal returns ranging from -1.17% to -2.2%(Hwang, Shivdasani, and Simintzi, 2018; Von Meyerinck et al., 2019 and Greene, Intintoli, and Kahle, 2020).

4 Empirical Strategy

4.1 Conceptual Framework

A quota imposes a constraint on board composition in terms of the number of female directors. Assuming that nominees are selected according to their expected shareholder support (reflecting shareholder preferences), such a constraint implies

 $^{^{15}}$ We verify that these firms are not driving our results.

¹⁶Based on 8-K filings, we consider material events as earnings announcements, announcements of de-listings from exchanges and mergers. We exclude these events if they take place within (+/-) three days of October 1, 2018.

 $^{^{17}}$ These firms cover 89.3% of our observations in the nominee sample. We verify that our main results are robust to the exclusion of the firms for which no stock price information is available, see Table A6 in the Appendix.

¹⁸One firm traded on an OTC exchange was excluded due to a material event at the time of the quota announcement.

that firms must dip further down in the distribution of shareholder support for female nominees. Thus, as firms are mandated to increase the number of women on boards, we would expect a decline in shareholder support for female relative to male nominees.

The standard narrative used to explain the negative stock price reaction to gender quotas is that new female nominees are less preferred by shareholders than the men they replace, presumably because the former are of lower quality. This occurs if, prior to the quota, the board holds men and women to the same standard so they enjoy the same shareholder support. Then, optimality implies the marginal support for men equals the marginal support for women. If this is true, then the quota requires that firms choose women with support lower than the men they replace, and we would expect a negative stock price reaction.

Proponents of the quota argue that women and men are, however, not held to the same standards. If women are held to a higher standard, then the marginal support for women would be higher than the marginal support for men before the quota. Support for women will fall due to the quota, but the marginal support for women can remain at or above the marginal support for men. In this case, we expect a positive, or at least zero, stock price reaction as worse men are replaced with better women. If the quota is set too high, the marginal support for women could fall below the marginal support for men. In this case we would also expect a negative stock price reaction.

Can a negative share price reaction to the quota be consistent with a sufficient supply of new female directors shareholders would approve of? We propose two errors that a board could make when replacing directors that could explain a negative stock price reaction to a quota. Both explanations focus on the replacement of existing male directors with new female directors, and the explanations are not mutually exclusive. First, the board could select women with relatively low shareholder support even though women with relatively high shareholder support are available. Second, when adding new female directors, the board could turn over

¹⁹Erel et al. (2021) provide evidence that boards select nominees based on characteristics that do not lead to higher shareholder support. In fact, director experience, one of the most common characteristics cited as a director qualification, is even negatively related to shareholder support. If boards use experience, for example, in choosing nominees, this is equivalent to setting a relatively high bar for women who, through history, have had fewer directorships than men.

male directors with relatively high shareholder support instead of male directors with relatively low support. Either error would result in a negative stock price reaction to the quota, even if potential female directors that shareholders would support do in fact exist.

4.2 Estimation

We analyze the effect of the 2018 CA quota on female board nominee support using a difference-in-difference analysis in event time. The aim is to estimate the effect of the quota on shareholder support for new female nominees relative to new male nominees before and after the quota. Therefore, we specifically differentiate between new and incumbent nominees. We use the following main specification:

$$Support_{i,ct} = \alpha_{ct} + \beta_1 New_{i,ct} + \beta_2 Female_{i,ct} + \beta_3 Post_{i,ct} \times New_{i,ct}$$

$$+ \beta_4 Post_{i,ct} \times Female_{ict} + \beta_5 New_{i,ct} \times Female_{i,ct}$$

$$+ \beta_6 Post_{i,ct} \times New_{i,ct} \times Female_{i,ct} + \epsilon_{i,ct}$$

$$(1)$$

where $Support_{i,ct}$ is the (standardized) ratio of supporting votes to the sum of all votes for an individual nominee i in election c that takes place in year t. The nominee can be either a new or incumbent candidate ($New_{i,ct}$) and they can either be female or male ($Female_{i,ct}$). We define a nominee as new if they stand for election for the first time and were appointed to the board within one year of the election meeting. α_{ct} are election fixed effects and $Post_{i,ct}$ is an indicator of the observation being pre- versus post-the 2018 quota, i.e., $Post_{i,ct}$ takes a value of one if the election took place after September 30, 2018 and zero otherwise. We use heteroskedasticity-robust (White) standard errors throughout the analysis. 21

Note that since we have three indicator variables, we have six categories: Post, Female, and New. Thus, in Specification 1, Pre, Male, and Incumbent are the omitted categories. Thus, e.g., $Female_{i,ct}$ measures the difference between an incumbent male nominee pre-quota and an incumbent female nominee pre-quota.

 $^{^{20}}Post_{i,ct}$ is not included as a variable in the regression on its own as it is absorbed by the election fixed effects.

²¹Our standard errors are robust to clustering at the firm, election, or director levels instead.

We are interested in the interaction effects between $Post_{ict}$ and $Female_{i,ct}$ (β_4) as well as $Post_{i,ct}$, $Female_{i,ct}$ and $New_{i,ct}$ (β_6). These indicate whether the support for female nominees changes post-quota relative to the support for male nominees and whether this change differs between new and incumbent nominees.

Because we are specifically interested in directly comparing new female and male directors, we reformulate the above regression and make $New \times Male$ the baseline group instead. We thus run the following regression:

$$Support_{i,ct} = \alpha_{ct} + \gamma_1 Pre_{i,ct} \times Inc_{i,ct} + \gamma_2 Post_{i,ct} \times Inc_{i,ct}$$

$$+ \gamma_3 Pre_{i,ct} \times Female_{i,ct} \times New_{i,ct}$$

$$+ \gamma_4 Post_{i,ct} \times Female_{i,ct} \times New_{i,ct}$$

$$+ \gamma_5 Pre_{i,ct} \times Female_{i,ct} \times Inc_{i,ct}$$

$$+ \gamma_6 Post_{i,ct} \times Female_{i,ct} \times Inc_{i,ct} + \epsilon_{i,ct}$$

$$(2)$$

where, $Inc_{i,ct} = 1 - New_{i,ct}$. In this specification, $Pre_{i,ct} \times Female_{i,ct} \times New_{i,ct}$ (γ_3) tests whether new men and new women are equal in the pre-quota period, while $Post_{i,ct} \times Female_{i,ct} \times New_{i,ct}$ (γ_4) tests whether new men and new women are equal in the post-quota period. Note that, these two regression specifications are effectively the same and the coefficient estimates of Specification 2 can be obtained from Specification 1 and vice versa.²²

We use election fixed effects throughout our analysis to control for any omitted characteristics at the election level, including firm characteristics (even if affected by the quota) such as board composition, firm performance, differences in voting rules, or the degree of shareholder participation. We thus pick up differences in voting outcomes for incumbent and new as well as male and female nominees

²²In Table 4 the coefficients in the lower panel (implied differences between female and male nominees) correspond to Specification 2 and the coefficients in the upper panel correspond to Specification 1. In Column (1), the coefficient on *New nominee post: female-male* (γ_4) (0.026) can be obtained from the coefficients in the upper panel in the following way: the sum of the coefficients β_1 to β_6 (0.389) is the difference in the support between incumbent male nominees pre-quota and new female nominees post-quota. The sum of the coefficients β_1 and β_3 (0.363) is the difference in support between incumbent male nominees pre-quota and new male nominees post-quota. Thus, the difference in support between new female and new male nominees post-quota is 0.389-0.363=0.026.

within the same election.

To address potential concerns that shareholders supported certain nominees in anticipation of the CA quota, we verify in Figure 3 that the support for new and incumbent male and female nominees does not diverge before the event (we will provide an additional discussion of these figures in Section 5.1.1).

5 Results

5.1 Support for Nominees in Elections for the Board of Directors

We now look at support for nominees to test the first potential explanation for the observed negative stock price reaction to the quota: boards are unable to recruit female directors that shareholders approve of when complying with the mandate. If this is the case, we expect post-quota support for new female nominees to be below the post-quota support for new male nominees.

5.1.1 Univariate Analysis

We first look at simple raw-data averages. Figure 3 shows the average (standardized) support for new female, new male, incumbent female and incumbent male nominees before and after the announcement of the quota. In the raw data, we already see four main patterns that we will confirm in our multivariate analysis. First, we see that new nominees generally enjoy stronger support than incumbent nominees.²³ Additionally, consistent with women being held to a higher standard, the figure shows that new female nominees receive greater support from shareholders than new male nominees pre-quota. Second, after the quota announcement, the level of support for new female nominees decreases and converges to the level of support for new male nominees. Third, Figure 3 also reveals a pronounced decrease in support for incumbent male nominees post-quota. Fourth, Figure 3 shows that the support for incumbent female nominees remains flat after the quota. This suggests

²³This is consistent with the idea that new directors are more likely to be independent and, thus, better monitors. For instance, Ertimur, Ferri, and Oesch (2018) show that ISS is less likely to issue "withhold" recommendations for new directors.

that shareholders do not simply vote for women due to the quota. If shareholders would try to hold on to their existing female directors we would expect to see an increase in the support for female incumbent nominees.

5.1.2 Multivariate Analysis

Table 4 analyzes post-quota support for the four nominee groups in a multivariate setting including election fixed effects, i.e., Specification 1. The results are consistent with the univariate analysis in Figure 3. Column (1) considers the full sample of nominees where incumbent male nominees pre-quota are the omitted category. Column (2) focuses on new nominees and includes only elections with at least one new female nominee and one new male nominee in the same election; here new male nominees pre-quota are the omitted category. Column (3) considers incumbent nominees separately in the subset of elections with at least one incumbent female and one incumbent male nominee; here incumbent male nominees pre-quota are the omitted category. For ease of interpretation, we also provide the calculated implied differences between female and male nominees from the three regressions in the bottom part of the table. As discussed, these can be obtained through calculations, or through running Specification 2.

Support for New Female Nominees Post Quota In Column (1) in Table 4, we see that the coefficient on the triple interaction of being a new female nominee post-quota is negative (β_6 in Specification 1). This implies that support for new female nominees post quota was 13% of one standard deviation of support lower than what would have been predicted for a new female nominee after the quota. In other words, after the introduction of the quota, shareholder support for new female nominees fell more than for their male counterparts, or for incumbent female nominees.

Support for New Female Versus New Male Nominees At the same time, the coefficient on the implied differences for new female and new male nominees show that, before the quota, new female nominees' support was 7.9% of one standard deviation of support higher than new male nominees' support (Column (1), coefficient γ_3 in Specification 2). For the sub-sample of elections where both a

new female and a new male nominee were on the ballot (Column (2)), new female nominees had 12.1% of one standard deviation more support than their new male counterparts (coefficient γ_3 in Specification 2). This is consistent with the notion that women had to clear a higher bar to become nominees than men pre-quota.

After the quota, support for new female nominees fell to a level statistically indistinguishable from new male nominees. When we look at the results of Specification 1 in Column (2), new female nominees lost 4.1% of a standard deviation of support. However, looking at the implied differences in Column (2), we can see that new women remain statistically significantly more supported than new male nominees by 8% of a standard deviation (coefficient γ_4 in Specification 2). Thus, despite a fall in support for new female nominees after the quota relative to before, support for new female nominees still remains at a high level, and we can conclude with statistical confidence that they are not less supported than new male nominees.

We also investigate whether there is evidence of inflated shareholder support for quota-mandated female nominees. Erel et al. (2021) identify characteristics that predict support. Importantly, they conduct their analysis outside the quota period. We use their results to predict support using nominee characteristics. We show that the predicted support is not lower for new women than new men after the quota. This implies that the level of support we see post-quota is consistent with the characteristics of the female directors and not just inflated demand for women by shareholders. Details can be found in Appendix C.

Support for Incumbent Female Versus Incumbent Male Nominees Column (1) in Table 4 shows that incumbent female and male nominees were indistinguishable in terms of support before the introduction of the quota. However, after the quota, incumbent female nominees received 10.2% of one standard deviation more support than incumbent male nominees (see the implied differences in Column (1)). This difference in support is statistically significant and arises due to a decrease in the popularity of male incumbent nominees. This evidence is substantiated in Column (3), where we only consider elections where both incumbent female and male nominees are voted on.

In addition, in Table A1, we look at the support for the same nominee within

the same firm before and after the quota. In order to account for election-level effects, we subtract the average support for the nominees in an election from the focal nominee's support in that election (excess support). The results show that the incumbent female nominees do not receive more support than male nominees before the quota. Additionally, the support for incumbent female nominees does not increase after the quota. This suggests that shareholders don't simply vote for women because of the quota. Given that the quota improves outside options for women, if only the concern about compliance with the regulation would drive shareholders' voting decisions, one would expect an increase in support for incumbent female nominees post quota in order to keep them on the board. Incumbent men, on the other hand, lose a substantial amount of support in the post period.

Robustness Our results become stronger in the sub-sample of elections of non-classified boards (Table A2 in the Appendix). In non-classified boards, every director stands for election every year as opposed to just a part of the slate of directors, meaning that all directors on the current board can be compared to each other.

Our results also hold when we exclude firms that are not traded on major stock exchanges (Table A3 in the Appendix).

Additionally, we can control for the voting recommendation issued by the ISS and our results remain qualitatively similar (Table A4 in the Appendix).²⁴ The coefficient on new female nominees post-quota becomes somewhat more significant and larger (Column (1)) which causes the implied difference between post new women and men to lose statistical significance (implied differences, Column (2)), but it remains positive and of similar magnitude. Therefore, there is no evidence of shareholder opposition to female nominees post-quota and we can rule out that new female nominees are 1.7% (6.3%-2*4%) less supported than new male nominees with statistical confidence. When we control for the ISS recommendations and restrict our analysis to elections of non-classified boards (Table A5 in the Appendix), the results are strong and consistent with the pattern we observe in our

²⁴ISS voting recommendations are available for 96.4% of our sample firms. There is no clarity to what extent shareholders follow ISS' advice and to what extent ISS follows shareholder preferences when making a voting recommendation. For instance, Aggarwal, Erel, and Starks (2016) show that shareholders are less likely to follow ISS recommendations and form their own opinion.

main analysis in Table 4.

Lastly, for the sub-sample of new nominees, we check whether the difference in support between new female and male nominee is driven by whether they are independent nominees and which committees they are assigned to. We include controls for being part of the audit or compensation committee as these committee memberships have been found to influence support (Erel et al., 2021). We also control for whether the nominee has been appointed to the board before the election (within one year) as opposed to the time of the election. The results in Table A7 in the Appendix show that new female nominees are still more supported than new male nominees pre- and post-quota.

5.2 Stock Price Reactions and Board Turnover Decisions

In the preceding analysis, we showed that new female nominees do not receive less support than new male nominees after the introduction of the quota. We conclude that the negative stock price reaction to the quota does not seem to reflect shareholder concern that boards cannot recruit supported female directors to comply with the quota.

We next turn to the second perspective that could explain the negative share price reaction to the CA quota: the possibility that boards fail to conduct the turnover optimally and fail to turn over the least-preferred incumbent male directors when they add a female director to comply with the quota. Figure 3 and Tables 4 and A1 show that incumbent men become less supported after the quota. This is a first indication that some boards may indeed have failed to replace their least-supported male directors.

Note that the board itself is in charge of selecting nominees and has significant power over board composition. Evidence of divergence between the interests of shareholders and directors is widely documented in the literature (Hermalin and Weisbach, 1998; Bebchuk and Cohen, 2005; Coles, Daniel, and Naveen, 2014). We do not attempt to explain why seemingly popular directors leave some firms. Instead, we take the event "a more popular director left and a less popular director stayed" as reflecting a sub-optimal turnover decision. We expect to see a negative share price reaction to the quota, when subsequently the least-supported directors

do not turn over. We thus propose that the share price reaction to the quota reflects shareholders' expectations about the likelihood of sub-optimal turnover decisions.

5.2.1 Which Firms Drive the Stock Price Reactions?

To test our conjecture, we investigate which firms drove the abnormal negative stock price reactions. We first regress the firm's abnormal announcement return on a dummy (Violation19) that is equal to one if a firm, at the time of the quota announcement, was in violation of the first quota requirement (which requires at least one female director by the end of 2019). We also consider a violation dummy (Violation21) that is equal to one for firms who, at the time of the quota announcement, were not in compliance with the quota requirements that are due to come into effect by the end of 2021 (two female directors for board sizes of five; and three female directors for larger boards). Lastly, we consider a discrete variable (Shortfall21) that can take integer values from zero to three, and represents the number of female directors a board needs to add in order to be compliant with the 2021 requirement.

We follow previous literature and control for board characteristics associated with corporate governance quality, including board size, the average tenure of directors, the share of independent directors, and whether it is a classified (i.e., staggered) board. These characteristics are based on board composition at the time of the quota announcement. Table 5 shows summary statistics for our sample by violator group.

We would expect shareholders to be most concerned if firms were not compliant with the approaching 2019 quota requirement at the time of the announcement. Therefore, we should see the largest announcement effects for firms in the group *Violation19* and the group *Shortfall21* who were missing three female directors to be compliant with the 2021 requirement. The latter group is a sub-group of *Violation19* representing large all-male boards. Firms in the *Shortfall21* group who were missing one or two female directors to be compliant with the 2021 requirement may or may not have complied with the 2019 quota requirement at the time of the announcement.

Table 6 presents the regression results and shows evidence of negative returns

for each group of violators. The weakest reaction is associated with the *Violation19* group (Column (1)) where there was a small difference in returns between boards who complied and those who did not comply with the 2019 requirement. The group that shows the strongest negative reaction is that of boards that were missing three directors to comply with the 2021 requirement at the time of the quota announcement (Column (3)). This makes intuitive sense, since these firms face the largest restructurings in order to be compliant.

These results are consistent with the findings in Hwang, Shivdasani, and Simintzi (2018) and Von Meyerinck et al. (2019) and Greene, Intintoli, and Kahle (2020), who examine slightly different samples.

5.2.2 Do Male Directors Leave when Women Join?

Next, we analyze whether shareholders react differently to the quota announcement depending on their anticipation of how firms will change their boards to comply with the quota. In particular, we test whether shareholders react differently to the announcement when, in the subsequent restructuring process, a male director departs from the board as a female director is added, as opposed to when no such turnover takes place. We do not consider instances where a female director departs as the literature focuses on the replacement of male directors with less preferred female directors. We also do not consider CEO or lead director (chair) turnovers, or turnovers due to changes of control, restrictions on age limits, and the passing of a director. These types of turnovers are unlikely to be the result of adjustment efforts to meet the quota requirement.

²⁵One could consider analyzing how shareholders react depending on whether a board is expanded versus contracted upon the addition of a female director. However, boards make adjustments to composition on a continuous basis and do not clearly indicate substitutions. Therefore, a point in time when board composition is fixed is difficult to unambiguously determine. Thus, director substitutions cannot be accurately identified. We also consider the possibility that according to the bylaws the board is not permitted to increase board size. Such a company would be forced to substitute a male director with a female director to comply with the quota. In such cases, a shareholder vote would be required. The additional expected cost could have led to a negative share price reaction to the quota announcement. We investigate the bylaws of all firms who were not compliant with either the 2019 or the 2021 quota requirement and where a male director left and female director was added to the board after the quota. We only found three instances where a company faced the upper range of the permitted board size when the quota was announced. The exclusion of these firms does not impact our results.

We use the same regression specifications as in Table 6 but run the regressions for each group separately, conditional on a firm being a violator in their respective group. We create a variable that identifies firms that turned over at least one male director in the time period after the quota announcement and until after the first post-quota election (*Turnover male director*). Furthermore, the variable *Add female director* indicates whether a firm added a female director during the same period of time (and thus became compliant with the 2019 quota requirement).

The results of the regressions are presented in Table 7. We see a negative and statistically significant coefficient on the interaction term between *Turnover male director* and *Add female director* for firms who need at least one additional female director to satisfy the immediate 2019 requirement and need to add three female directors by 2021 (Columns (1) and (4)). The effect is weaker for the groups of firms who were missing one or two female directors to comply with the 2021 quota requirement (Columns (2) and (3)). As discussed above, this is plausible, as some of these firms still have more than three years to reach compliance. Thus, current substitutions are less likely to be related to the quota requirement.

Overall, these results suggest that the stock market reacts negatively when the addition of a new female director is accompanied by the departure of a male director for a firm that violates the quota at announcement.

5.2.3 Do the Least-Supported Directors Leave?

The previous analysis indicates that the negative stock price reaction to the quota is concentrated in firms that turn over a male incumbent director and add a female director to comply with the quota. We now examine which director the board chooses to turn over. A value-neutral substitution is available if the proposed female director is as supported as the least-supported incumbent male director. If the board recruits such a female candidate but turns over a director other than the least-supported male director, the result is a value decreasing substitution. To determine whether firms restructure boards in a value-maximizing way, we identify the least-supported director based on shareholder votes in the firm's last prequota election. As in the analysis above (Table 7), we exclude turnover of female directors, lead directors, or CEOs, as well as turnovers due to changes of control,

restrictions on age limits, or the passing of a director and we also exclude elections with equal support for all directors.²⁶ We re-estimate the regression specification in Table 6 for the sub-sample of firms who 1) turn over at least one male director between the quota announcement on September 30, 2019 and their first post-quota election and 2) have at least one female director by their first post-quota election (thus complying with the 2019 requirement).²⁷ The sample covers 127 firms and includes firms that are already compliant at the quota announcement (non-violators) and those that become compliant by the first election (violators). A total of 142 directors are turned over in these firms. Out of the 27 (109) firms who violate the 2019 (2021) quota requirement based on their board composition in the last election before the quota announcement, 51.9% (52.3%) firms turn over the least or second-least-supported director.²⁸

To determine whether announcement returns are related to firms' turnover decisions, we introduce an interaction term between our violation variables (Violation19 and Shortfall21) and a dummy variable labeled Least supported replaced, that is equal to one if the turned-over director is the director with the least shareholder support in the last election before the quota announcement. We also create a dummy that is equal to one if the turned-over director received the least or second-least shareholder support in the last election before the quota announcement (Least- or second-least supported replaced). ^{29,30} We report summary statistics for turned-over directors in Table 8. In this table, we can see that in cases where a higher-supported instead of the least-supported director leaves post-quota, the least-supported director received 55.9% of a standard deviation of support less sup-

²⁶A ranking for every director in their last pre-quota election is determined by calculating their *Excess Support* that is defined as the nominee's support in the election minus the average for all other nominees in that election. For classified boards, this choice is important; for non-classified boards, excess support and raw support give the same ranking.

²⁷Most firms conduct their shareholder meetings in May. The proxy material that must contain information on the candidates who will be standing for election is typically sent out one month ahead of the meeting (April).

²⁸When more than one director leaves, we classify the firm as one in which the least-supported director leaves if the least-supported director was among the directors that left.

²⁹When there were only two directors up for election, we categorized it as *Least- or second-least* supported replaced only if the least-supported director was turned over.

³⁰When a director was not standing for election in the immediate pre-quota election (this can occur in classified boards), their ranking is calculated using the last election where they were a nominee during the pre-quota sample period.

port pre-quota than the more popular leaving director. This implies that there is a substantial difference in the level of support between these two types of directors.

The results of the regressions are presented in Table 9, and the coefficients are reported in Column (Base). The dummy variables LS turned over and LS not turned over indicate whether the least supported male incumbent director was turned over or not. The results show that if firms replaced the least-supported (Column (2)) (or second-least-supported (Column (3))) director with a female director, their announcement returns do not differ from those firms that already had a female director in place. Firms that replaced a highly-supported director with a female director show announcement returns significantly lower than firms that already had a female director in place. This is the case both for firms that violated the immediate 2019 quota requirement ($Violation19 \ x \ LS \ not \ turned \ over$) and firms that had the largest gap (three female directors) to fill to comply with the upcoming 2021 requirement ($Shortfall21:3 \ Female \ directors \ x \ LS \ not \ turned \ over$).

In summary, we thus show that the negative announcement returns are driven by firms who failed to turn over the least-supported male directors when they added a female director to the board to comply with the quota, rather than reflecting shareholder opposition towards mandated female directors.

Robustness As the first robustness check, we repeat the analysis using May 2019 as a cut-off point until which we consider turnover of male directors and additions of female directors. This way, we use the same time period as a benchmark for all firms. The results are even stronger than in our main sample and are reported in Tables A8 and A9 (for the sub-sample of non-classified boards) in the Appendix.

We also verify that our results are the same for the sub-sample of firms with non-classified boards and firms that are traded on major stock exchanges (see Tables A10 and A11 in the Appendix).

As an additional robustness check, we control for industry effects using Fama-French 12 industry portfolio returns on the day of the quota announcement as well as the firm's market capitalization at the time of the quota announcement.³¹ Table

³¹We obtain these data from Compustat. It was not available for three firms in our sample. Our results remain robust if we use SIC two-digit industry fixed effects instead.

A12 in the Appendix reports the results and shows that they remain qualitatively the same.

Lastly, Ertimur, Ferri, and Oesch (2018) provide evidence that shareholders vote against committee chairs to address specific issues, but do not want to see these committee chairs leave the board. In Appendix B, we provide an analysis showing that our results are not sensitive to the departure of committee chairs. In Appendix B, we also explore the possibility that there is a difference in the types of female directors firms who turn over and those who do not turn over the least-supported director recruit. Our findings are not consistent with this explanation.

5.2.4 Can Investors Form Expectations about the Board Restructuring?

Our results suggest that shareholders, at the time of the quota announcement, anticipate which companies are more likely to fail to adjust their boards optimally in response to the quota.³² Such failure could arise from board characteristics that facilitate the entrenchment and protection of weak individual directors and then manifest in wrong turnover decisions with respect to incumbent male directors after the quota. Weak male directors face a particularly strong incentive to hold on to their board positions, as their outside options deteriorate with a stronger demand for female directors after the quota. We now provide evidence indicating that shareholders may indeed be able to use board characteristics at the time of the quota announcement to form an expectation about which boards will be more

³²Note that it is not necessary to assume that investors have perfect foresight and can exactly predict which firms will make suboptimal turnover decision after the quota at the time of the quota announcement. Violator firms that turn over the least-supported director have an average return of -1.8% at quota announcement, with a three-day announcement return at the time of turnover and the cumulative long-run returns between the quota and the turnover of 0.8% and 4.4%, respectively. This suggests shareholders form an expectation ex ante about how a firm is more likely to handle the turnover. Violator firms that do not turn over the least supported director have an average return of -3.8% at quota announcement, with a three-day announcement return at the time of turnover and the cumulative long-run returns between the quota and the turnover of -3.5% and -11.0%, respectively. Again, this suggests that shareholders expect a sub-optimal turnover decision being more likely for these firms, and are confirmed in their expectation as they learn more about the firms. We do not tabulate this results due to a small sample size but report them here to show that even though shareholders do not have perfect information about which firms will make sub-optimal turnover decisions, the patterns in returns suggest they have some information at the time of the quota.

likely to make suboptimal turnover decisions.

We estimate the probability that a board turns over the least-supported male director by the time of the first post-quota election based on a number of firm and director characteristics. We select determinants that specifically have the purpose to either help or prevent weak directors to remain on the board.³³ First, we include an indicator for whether a firm has a plurality (as opposed to majority) voting rule in place for director elections. While under the majority voting rule a minimum number of votes is required to be elected to the board, under the plurality voting rule no such threshold exists (one vote is enough for the nominee to be elected if the number of nominees equals the number of board seats). Because weaker directors face the risk of not being re-elected to the board only under the majority voting rule, a plurality voting rule protects the weakest directors. We also include the Coles, Daniel, and Naveen (2014) co-opted board measure which counts how many directors were hired after the CEO. We use an indicator that is equal to one if a board is more co-opted than the sample average. We don't make a prediction about how board co-option affects turn overs. While a more co-opted board may be generally inclined to protect its members, if the least-supported director was hired before the CEO the protection may not extent to that director. We also include an indicator if ISS issued an against recommendation for the least-supported board member. Lastly, we control for whether a board is classified. The staggered election process protects all directors from being removed from the board at the same time, but also make it more difficult to identify which director is the least-supported one. 34

In our regression, we interact each of the determinants above with the *Violator19* indicator as only firms that are not compliant with the quota at the time of announcement experience a shock to board composition and are forced to make adjustments. Thus, we expect our determinants to only affect the probability of turning over the least-supported directors among violator firms.

³³Note that, the literature on board entrenchment so far has focused primarily on provisions that help protect the board as a whole from being replaced (i.e. through a hostile takeovers). Our focus on entrenchment of individual weak directors is novel and not well-studied.

³⁴We also included an indicator whether the least-supported director is a chair of an important committee (audit, compensation, nominating). This characteristic does not have any predictive power over which director will turn over. While our results remain robust for the inclusion of this variable we exclude it from our specification for the sake of parsimony.

The results of the regression are reported in Table 10. Column (1) shows that the plurality voting rule and whether a board is co-opted are important correlates for whether the least-supported director will be turned over after the quota announcement.

Next, we use the predicted probabilities and residual for the probability for the least-supported director to turn over from the regression model and include them separately in the regression in Table 9 in place of the actual turnover variable (LS not turned over). If shareholders can predict whether the least-supported director leaves based on the observables above, we should see that the predicted value but not the residual predicts returns for violators. Columns (2) and (3) show that this is indeed the case: Violator firms with a zero probability to turn over the least-supported director have 6.5% lower announcement returns than non-violators. However, a higher probability of turning over the least-supported director among violators increases announcement returns by a factor of 12.8%. 35

5.3 Alternative Explanations for Shifts in Shareholder Support

Our analysis provides evidence that shareholders do not oppose quota-mandated female nominees. The high support for new female nominees post-quota is in line with there being a sufficient supply of female directors shareholders approve of to fill board seats mandated by the quota, and firms actually being able to recruit these women. Alternative explanations for our findings must jointly explain three pieces of evidence: 1) shareholders do not support quota-mandated female nominees less than new male nominees, 2) share prices fall, and 3) those share price declines are concentrated in firms that do not turn over their least-supported directors.

What if shareholder support for female nominees was positively impacted by recent shifts in general attitudes towards women or initiatives of institutional investors? In this case, we would not expect a negative share price reaction to the

³⁵The probability that the least supported director leaves includes the Violation19 variable interacted with characteristics of firms. To the extent certain types of violator firms—for example, those with co-opted boards—saw lower returns at the time of the quota, the estimated probability will capture those differences.

announcement of the quota. Moreover, we would not know why the negative share price reaction is related to turnover decisions made after the quota. In Appendix C, we provide a number of robustness checks to explore alternative drivers for shareholder support for new female nominees. We show that support for new female nominees should not have been lower based on their observable characteristics. We further explore the general trend in voting behavior in all US states. Finally, we specifically look at the voting behavior of institutional investors and provide evidence that our results also hold for the subset of shareholders who do not have a built-in preference for women (or diversity).

6 Conclusion

We use hand-collected longitudinal data to analyze how the 2018 CA quota affected shareholder support for new female board nominees. To our knowledge, this is the first study to analyze shareholder attitudes towards quota-mandated female board nominees by jointly considering shareholders' behaviors when pricing the stock and when voting for the board of directors.

We discuss two alternative perspectives that could explain the negative stock price reaction to the quota announcement. The first is that boards may be unable to recruit female directors that shareholders approve of. The second is that firms could handle the turnover process sub-optimally and fail to remove the least-supported male directors when they add women to the boards to comply with the quota.

We start by analyzing whether boards are able to recruit female board members shareholders approve of. Our results show that, before the quota, shareholder support for new female nominees was greater than it was for new male nominees. This is consistent with the presence of a higher bar for female board candidates prior to the quota. After the quota, support for new female nominees fell, but not below the level of support for new male nominees. Within the context of the CA quota, firms hence recruit women that shareholders approve of, and we therefore argue that shareholders do not oppose the quota-mandated female nominees per se.

Thereafter, we analyze whether stock price reactions are related to the turnover

choices firms make with respect to incumbent male directors when adding a female director to the board after the quota. We show that the firms who experienced a negative stock price reaction are those who did not make value-maximizing decisions when restructuring the board: when complying with the new legislation, these firms did not replace the least-supported male directors but instead turned over higher-supported ones. This result indicates that the opposition towards female board directors could be driven by entrenched board dynamics rather than by shareholders disliking the new female nominees per se. Finally, we show that there are correlates, observable to shareholders at the time of the quota announcement, of which firms are likely to make sub-optimal turnover decisions to comply with the quota.

The existing literature interprets the negative announcement returns associated with board quotas as shareholder opposition towards women on boards and as a preference for the existing board structure. The reasons could have been, for example, an insufficient supply of qualified female directors. Our findings challenge this narrative. This is also informative about the effects of affirmative action (AA) initiatives more generally. We argue that, in the case of the CA board quota, it was possible to implement the quota in a value-neutral way for shareholders if the replacement of board members was done appropriately. Adverse effects of AA policies could be driven by internal organizational opposition and entrenched institutional dynamics rather than by a lack of supply of qualified minority candidates.

References

- Adams, Renée B, Ali C Akyol, and Patrick Verwijmeren. 2018. "Director skill sets." Journal of Financial Economics 130 (3): 641–662.
- Adams, Renée B, and Daniel Ferreira. 2009. "Women in the boardroom and their impact on governance and performance." Journal of Financial Economics 94 (2): 291–309.
- Adams, Renée B, and Patricia Funk. 2012. "Beyond the glass ceiling: Does gender matter?" Management Science 58 (2): 219-235.
- Adams, Renée B, Benjamin E Hermalin, and Michael S Weisbach. 2010. "The role of boards of directors in corporate governance: A conceptual framework and survey." Journal of Economic Literature 48 (1): 58–107.
- Aggarwal, Reena, Sandeep Dahiya, and Nagpurnanand R Prabhala. 2019. "The power of shareholder votes: Evidence from uncontested director elections." Journal of Financial Economics 133 (1): 134–153.
- Aggarwal, Reena, Isil Erel, and Laura T Starks. 2016. "Influence of public opinion on investor voting and proxy advisors." Working Paper: 03–12.
- Ahern, Kenneth R, and Amy K Dittmar. 2012. "The changing of the boards: The impact on firm valuation of mandated female board representation." The
- Quarterly Journal of Economics 127 (1): 137–197. Bach, Laurent, and Daniel Metzger. 2015. "Why do shareholder votes matter." Working Paper, nos. 13-01.
- Bebchuk, Lucian A. 2007. "The myth of the shareholder franchise." Virginia Law Review: 675-732.
- Bebchuk, Lucian A, and Alma Cohen. 2005. "The costs of entrenched boards." Journal of Financial Economics 78 (2): 409–433.
- Bernile, Gennaro, Vineet Bhagwat, and Scott Yonker. 2018. "Board diversity, firm
- risk, and corporate policies." Journal of financial economics 127 (3): 588–612. Bertrand, Marianne, Sandra E Black, Sissel Jensen, and Adriana Lleras-Muney. 2019. "Breaking the glass ceiling? The effect of board quotas on female labour market outcomes in Norway." The Review of Economic Studies 86 (1): 191–
- Bolton, Patrick, Tao Li, Enrichetta Ravina, and Howard Rosenthal. 2020. "Investor ideology." Journal of Financial Economics.
- Bubb, Ryan, and Emiliano Catan. 2018. "The party structure of mutual funds." Working Paper.
- Cai, Jie, Jacqueline L Garner, and Ralph A Walkling. 2009. "Electing directors." The Journal of Finance 64 (5): 2389–2421.
- Coles, Jeffrey L, Naveen D Daniel, and Lalitha Naveen. 2014. "Co-opted boards."
- The Review of Financial Studies 27 (6): 1751–1796. Eckbo, B Espen, Knut Nygaard, and Karin S Thorburn. 2020. "Valuation effects
- of Norway's board gender-quota law revisited." Working Paper, no. 463. Erel, Isil, Léa H Stern, Chenhao Tan, and Michael S Weisbach. 2021. "Selecting directors using machine learning." The Review of Financial Studies 34 (7): 3226 - 3264.
- Ertimur, Yonca, Fabrizio Ferri, and David Oesch. 2018. "Understanding uncontested director elections." Management Science 64 (7): 3400–3420.
- Ferrari, Giulia, Valeria Ferraro, Paola Profeta, and Chiara Pronzato. 2021. "Do Board Gender Quotas Matter? Selection, Performance, and Stock Market Effects." Management Science.

- Fischer, Paul E, Jeffrey D Gramlich, Brian P Miller, and Hal D White. 2009. "Investor perceptions of board performance: Evidence from uncontested director elections." *Journal of Accounting and Economics* 48 (2-3): 172–189. Fos, Vyacheslav, Kai Li, and Margarita Tsoutsoura. 2018. "Do director elections
- matter?" The Review of Financial Studies 31 (4): 1499–1531.
- Fried, Jesse M. 2021. "Will Nasdaq's Diversity Rules Harm Investors?" https: //corpgov.law.harvard.edu/2021/04/08/will-nasdaqs-diversityrules-harm-investors/.
- Giannetti, Mariassunta, and Tracy Yue Wang. 2020. "Public Attention to Gender Equality and the Demand for Female Directors." Working Paper.
- Gormley, Todd A, Vishal K Gupta, David A Matsa, Sandra Mortal, and Lukai Yang. 2020. "The Big Three and Board Gender Diversity: The Effectiveness of Shareholder Voice." Available at SSRN 3724653.
- Greene, Daniel, Vincent J Intintoli, and Kathleen M Kahle. 2020. "Do board gender quotas affect firm value? Evidence from California Senate Bill No. 826." Journal of Corporate Finance 60:101526.
- -. 2021. "How Deep Is the Labor Market for Female Directors? Evidence from Mandated Director Appointments." Working Paper.
- Gul, Ferdinand A, Bin Srinidhi, and Anthony C Ng. 2011. "Does board gender diversity improve the informativeness of stock prices?" Journal of Accounting and Economics 51 (3): 314–338.
- Hart, Oliver, Luigi Zingales, et al. 2017. "Companies Should Maximize Shareholder Welfare Not Market Value." Journal of Law, Finance, and Accounting 2 (2):
- Hermalin, Benjamin E, and Michael S Weisbach. 1988. "The determinants of board composition." The RAND Journal of Economics: 589-606.
- —. 1998. "Endogenously chosen boards of directors and their monitoring of the CEO." American Economic Review: 96–118.
- Hwang, Sunwoo, Anil Shivdasani, and Elena Simintzi. 2018. "Mandating women on boards: Evidence from the United States." Working Paper.
- Iliev, Peter, Karl V Lins, Darius P Miller, and Lukas Roth. 2015. "Shareholder voting and corporate governance around the world." The Review of Financial Studies 28 (8): 2167–2202.
- Jorge L. Ortiz. 2018. "Gender quotas: California ponders breakthrough bill to boost female executives." https://www.usatoday.com/story/news/2018/ 09/18/gender-quotas-california-corporate-boards/1339531002/.
- Kim, Daehyun, and Laura T Starks. 2016. "Gender diversity on corporate boards: Do women contribute unique skills?" American Economic Review 106 (5): 267 - 71.
- Matsa, David A, and Amalia R Miller. 2013. "A female style in corporate leadership? Evidence from quotas." American Economic Journal: Applied Economics 5 (3): 136–69.
- Matvos, Gregor, and Michael Ostrovsky. 2010. "Heterogeneity and peer effects in mutual fund proxy voting." Journal of Financial Economics 98 (1): 90–112.
- McCahery, Joseph A, Zacharias Sautner, and Laura T Starks. 2016. "Behind the scenes: The corporate governance preferences of institutional investors." The Journal of Finance 71 (6): 2905–2932.
- Moskalev, Alexandr. 2019. "Funds of a feather: Influencing corporate elections by voting together." Working Paper.

- Mullainathan, Sendhil, and Jann Spiess. 2017. "Machine learning: an applied econo-
- metric approach." Journal of Economic Perspectives 31 (2): 87–106. Naaraayanan, Lakshmi S, and Kasper Meisner Nielsen. 2020. "Winds of Change: Gender Quota on Boards in the face of Patriarchy." Working Paper.
- Nasdaq. 2020. "Nasdaq to Advance Diversity through New Proposed Listing Requirements." https://www.nasdaq.com/press-release/nasdaq-toadvance - diversity - through - new - proposed - listing - requirements -2020-12-01.
- Nygaard, Knut. 2011. "Forced board changes: Evidence from Norway." Working Paper.
- Schwartz-Ziv, Miriam, and Russ Wermers. 2020. "Do Institutional Investors Monitor their Large-Scale vs. Small-Scale Investments Differently? Evidence from the Say-On-Pay Vote." Working Paper.
- Secretary of State California. 2018. "Senate Bill 826." https://leginfo.legisl ature.ca.gov/faces/billTextClient.xhtml?bill id=201720180SB826.
- Smith, Nina. 2018. "Gender quotas on boards of directors." IZA World of Labor. Von Meyerinck, Felix, Alexandra Niessen-Ruenzi, Markus Schmid, and Steven Davidoff Solomon. 2019. "As California goes, so goes the nation? Board gender quotas and the legislation of non-economic values." Working Paper.
- Yang, Philip, Jan Riepe, Katharina Moser, Kerstin Pull, and Siri Terjesen. 2019. "Women directors, firm performance, and firm risk: A causal perspective." The Leadership Quarterly 30 (5): 101297.

Figures and Tables

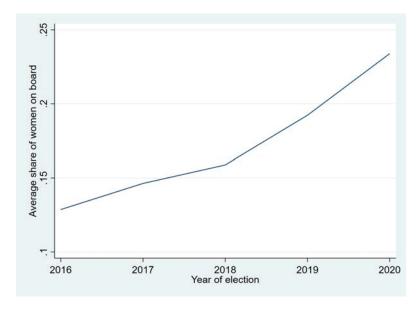


Figure 1: The share of female board nominees/members over time. Based on the full board sample (N=21,206) that includes directors who never stand for election.

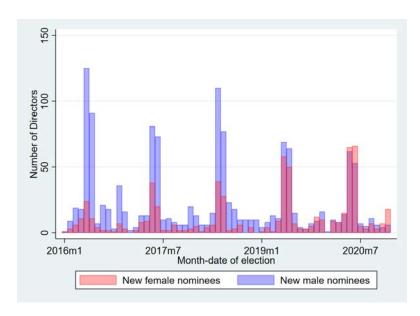


Figure 2: Number of new female and new male board nominees over our sample period. New nominees are nominees who stand for election for the first time and were appointed to a board within one year of the meeting where the election took place.

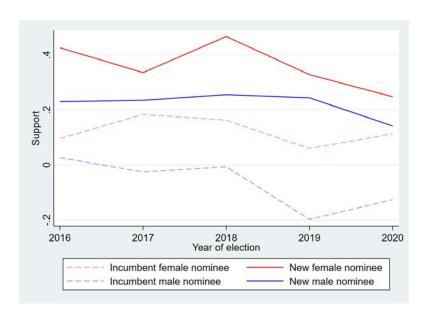


Figure 3: Support for new and incumbent female and male nominees. Average yearly support for incumbent and new, male and female nominees standing for election. Support is defined as the ratio of "for" votes to the sum of "for," "abstain," "against," and "withhold" votes. It is standardized by subtracting the sample average and subsequently dividing by the sample standard deviation. New nominees are nominees who stand for election for the first time and were appointed to a board within one year of the meeting where the election took place.

Table 1: Descriptive Statistics of Main Variables - All board members

Variable	N	mean	sd	p25	p50	p75
Support (raw)	15,257	0.940	0.091	0.934	0.978	0.992
Support (standardized)	$15,\!257$	0	1	-0.070	0.412	0.568
Share of female board members	21,206	0.173	0.123	0.111	0.167	0.250
Number of female board members	21,206	1.499	1.152	1	1	2
Director age	21,206	61.116	9.594	55	61	68
Director tenure	21,206	7.919	7.493	2	6	11
Board size	21,206	8.261	2.043	7	8	9
Independent	21,206	0.755	0.430	1	1	1
Classified board	21,206	0.431	0.495	0	0	1

This table reports descriptive statistics for the full board of directors as well as the nominee sample that is used for our main analysis. The full board sample is larger because in classified (staggered) boards not all board members are up for election every year. Raw Support is defined as the number of "for" votes divided by the sum of "for," "abstain," "against," and "withhold" votes. Standardized Support is the z-score of raw Support which is calculated as raw Support minus its sample average and subsequently dividing by the sample standard deviation.

Table 2: Descriptive Statistics of Main Variables - Nominees

Panel A: Female Nomine	Panel A: Female Nominees										
Variables	N	mean	sd	p25	p50	p75					
Support (raw)	2,704	0.956	0.077	0.957	0.986	0.994					
Support (standardized)	2,704	0.171	0.849	0.188	0.500	0.595					
Director age	2,704	59.103	8.051	54	59	64					
Director tenure	2,704	5.130	5.761	1	3	7					
New nominee	2,704	0.235	0.424	0	0	0					
Independent	2,704	0.851	0.357	1	1	1					
Panel B: Male Nominees	}										
Variables	N	mean	sd	p25	p50	p75					
Support (raw)	12,553	0.937	0.093	0.927	0.976	0.991					
Support (standardized)	12,553	-0.037	1.026	-0.146	0.390	0.558					
Director age	12,553	61.995	9.751	55	62	69					
Director tenure	12,553	8.729	7.939	3	6	13					
New nominee	12,553	0.106	0.308	0	0	0					
Independent	12,553	0.729	0.444	0	1	1					

This table reports descriptive statistics for the nominee sample that is used for our main analysis split by nominee gender. The full board sample is larger because in classified (staggered) boards not all board members are up for election every year. Raw Support is defined as the number of "for" votes divided by the sum of "for," "abstain," "against," and "withhold" votes. Standardized Support is the z-score of raw Support which is calculated as raw Support minus its sample average and subsequently dividing by the sample standard deviation.

Table 3: Average raw and abnormal returns for sample firms on quota announcement day

	Number of firms	Mean	Median	t-test
Abnormal return	524	-1.06%	-1.05%	***
Abnormal return (excluding 30 firms traded on OTC)	494	-1.12%	-1.09%	***
Raw return	524	-0.84%	-0.83%	***
Raw return (excluding 30 firms traded on OTC)	494	-0.99%	-0.87%	***

This table reports the mean and median raw and abnormal returns on the quota announcement day (October 1, 2018) for the sample firms. Of the 524 firms, 30 are traded on OTC exchanges. We include all firms headquartered in CA for which we could collect stock return data but exclude 31 firms for which no time series of stock prices was available and 30 firms who had material events at the time of the quota announcement. The abnormal return is calculated based on predicted returns from a market model using a 255 day event window prior to the event and weights firms by their market values. The estimation window ends 6 days before the event. The t-test indicates whether the mean raw and abnormal return is different from zero. ***, **, and * indicate statistical significance at the 1%, 5%, and 10% levels, respectively.

Table 4: Support for female nominees: pre- versus post-quota for new and incumbent nominees

	(1)	(2)	(3)
Variables	Pooled	New nominees	Incumbent nominees
Female nominee	0.024	0.121*	0.026
	(0.022)	(0.069)	(0.023)
Post x Female nominee	0.077**	-0.041	0.069**
	(0.031)	(0.083)	(0.031)
New nominee	0.240***		
	(0.030)		
Female nominee x New nominee	0.054		
	(0.052)		
Post x New nominee	0.123**		
	(0.050)		
Post x Female nominee x New nominee	-0.130*		
	(0.075)		
Election FEs	Yes	Yes	Yes
R-squared	0.680	0.626	0.672
Observations	15,257	578	9,679

Implied differences between female and male nominees

	Pooled	New nominees	Incumbent nominees
Incumbent nominee pre: female - male	0.024		0.026
	(0.022)		(0.023)
Incumbent nominee post: female - male	0.102***		0.095***
	(0.022)		(0.022)
New nominee pre: female - male	0.079*	0.121*	, ,
	(0.047)	(0.069)	
New nominee post: female - male	0.026	0.080*	
	(0.048)	(0.046)	

The dependent variable (Support) in all regressions is defined as the number of "for" votes divided by the sum of "for," "abstain," "against," and "withhold" votes. We standardize Support by subtracting its sample mean and subsequently dividing it by the sample standard deviation (z-score). The unit of analysis is an election. Female nominee takes the value of one if the focal nominee standing for election is a woman. Post is a dummy equal to one if the election takes place in October 2018 or later and zero otherwise. New nominee is equal to one if a focal nominees stands for election for the first time and was appointed to board within one year of the meeting where the election took place. We use election fixed effects in all regressions. Column (1) includes the full sample of nominees. Column (2) includes the sub-sample of new nominees and thus the subsample of elections where at least one new female and one new male nominee are up for votes. Column (3) includes the sub-sample of incumbent nominees and thus the subsample of elections where at least one incumbent female and one incumbent male nominee are up for votes. The top part of the table presents results from Specification 1. The bottom part of the table presents results from Specification 2. The implied differences between female and male nominees shown in the bottom part of the table for new and incumbent female nominees relative to new and incumbent male nominees respectively can also be calculated from the point estimates in the regression specification 1 shown in the top part of the table. For example, the coefficient γ_3 in Specification 2 of $Pre_{i,ct} \times Female_{i,ct} \times New_{i,ct}$ equals $\beta_2 + \beta_5$, i.e., the coefficients on $Female_{i,ct}$ plus $Female_{i,ct} \times New_{i,ct}$, in Specification 1. Robust (White) standard errors in parentheses. *p < 0.10, ***p < 0.05, ****p < 0.01.

Table 5: Descriptive statistics at the firm level by violation type- pre-quota board characteristics

Panel A: Violation 19

Classified board

162

0.401

0.492

				V	iolation1	.9=0	V	iolation1	9=1	
Variable				N	mean	sd	N	mean	sd	
Abnormal return				361	-0.01	0.031	163	-0.013	0.040	
Board size				361	8.316	1.857	163	6.153	1.542	
Independent				361	0.766	0.169	163	0.704	0.173	
Director tenure				361	7.640	4.029	163	7.468	5.050	
Classified board				361	0.474	0.500	163	0.411	0.494	
Panel B: Violation	n21									
				V	Violation21=0			Violation21=1		
Variable				N	mean	sd	N	mean	sd	
Abnormal return				68	0.000	0.041	456	-0.012	0.033	
Board size				68	9.000	2.259	456	7.441	1.914	
Independent				68	0.792	0.187	456	0.740	0.169	
Director tenure				68	6.654	3.369	456	7.726	4.485	
Classified board				68	0.382	0.490	456	0.465	0.499	
Panel C: Shortfall	21									
	Sl	hortfall2	1=1	S	hortfall2	1=2	S	hortfall2	1=3	
Variable	N	mean	sd	N	mean	sd	N	mean	sd	
Abnormal return	162	-0.008	0.034	188	-0.011	0.031	106	-0.021	0.033	
Board size	162	7.722	2.352	188	7.431	1.824	106	7.028	1.082	
Independent	162	0.778	0.148	188	0.725	0.171	106	0.708	0.188	
Director tenure	162	8.353	4.953	188	7.396	4.183	106	7.379	4.183	

This table reports descriptive statistics for board characteristics by violator type of the firm at the time of the announcement of the quota (September 30, 2018) based on the sub-sample of firms in Table 3. Abnormal Return is the market model adjusted stock return on October 1, 2018. Violation19 is a dummy that takes a value of one if a board has zero female directors in the last pre-announcement election. Violation21 is a dummy that takes a value of one if a board would not comply with the 2021 quota requirement (which is based on board size) based on its gender composition at the time of the announcement of the quota. Shortfall21 is equal to the board's number of female directors missing to comply with the 2021 quota requirement based on its gender composition at the time of the announcement of the quota and can range from zero to three. Shortfall21=0 is omitted in Panel C as it is equivalent to Violation21=0 in Panel B.

188

0.516

0.501

106

0.472

0.502

Table 6: Which Firms Drive the Stock Price Reactions?

	(1)	(2)	(3)
Variables	Violation19	Violation21	Shortfall21
Violation19	-0.008*		
	(0.004)		
Violation21		-0.015**	
		(0.006)	
Shortfall21: 1 Female director			-0.011*
			(0.006)
Shortfall21: 2 Female directors			-0.014**
			(0.006)
Shortfall21: 3 Female directors			-0.026***
			(0.007)
Board size	-0.002**	-0.002*	-0.002**
	(0.001)	(0.001)	(0.001)
Independent	-0.011	-0.011	-0.015
	(0.010)	(0.010)	(0.010)
Tenure	0.000	0.001*	0.001*
	(0.000)	(0.000)	(0.000)
Classified board	-0.009***	-0.008***	-0.008***
	(0.003)	(0.003)	(0.003)
Constant	0.015	0.022	0.028
	(0.015)	(0.016)	(0.017)
Observations	524	524	524
R-squared	0.036	0.046	0.070

The dependent variable is $Abnormal\ Return$, which is the market model adjusted stock return on October 1, 2018. Violation19 is a dummy that takes a value of one if a board has zero female directors in the last pre-announcement election and zero otherwise. Violation21 is a dummy that takes a value of one if a board would not comply with the 2021 quota requirement (which is based on board size) based on its gender composition in the last pre-announcement election and zero otherwise. Shortfall21 is equal to the board's number of female directors missing to comply with the 2021 quota requirement based on its gender composition at the time of the announcement of the quota and can range from zero to three with zero as the base category. The remaining control variables are equivalent to those in Table 5 defined at the firm level at the time of the announcement of the quota. Robust (White) standard errors in parentheses. *p < 0.10, **p < 0.05, ***p < 0.01.

Table 7: Do Male Directors Leave when Women Join?

	(1)	(2)	(3)	(4)
		Shortfall21:	Shortfall21:	Shortfall21:
Variables	Violation19	1 Female director	2 Female directors	3 Female directors
Turnover male director	0.026**	-0.005	0.005	0.029***
	(0.012)	(0.006)	(0.007)	(0.010)
Add female director	-0.001	0.016	0.000	0.011
	(0.006)	(0.016)	(0.006)	(0.007)
Turnover male director x Add female director	-0.034**	-0.028	-0.013	-0.045***
	(0.015)	(0.019)	(0.009)	(0.016)
Board size	-0.004*	0.000	-0.002*	0.003
	(0.002)	(0.002)	(0.001)	(0.004)
Independent	-0.004	-0.033	-0.001	0.004
	(0.016)	(0.024)	(0.013)	(0.013)
Tenure	0.001**	0.001*	-0.000	0.001
	(0.001)	(0.001)	(0.001)	(0.001)
Classified board	-0.005	-0.008	-0.013***	-0.004
	(0.006)	(0.005)	(0.005)	(0.006)
Constant	0.005	0.016	0.018	-0.059*
	(0.017)	(0.020)	(0.014)	(0.032)
Observations	163	162	188	106
R-squared	0.108	0.117	0.083	0.102

The dependent variable is Abnormal Return, which is the market model adjusted stock return on October 1, 2018. Column (1) includes the sub-sample of firms who require one female director to comply with the 2019 quota requirement based on its gender composition at the time of the announcement of the quota. Columns (2)-(4) include the sub-samples of firms who require one, two, and three female directors respectively to comply with the 2021 quota requirement based on its gender composition at the time of the announcement of the quota. Turnover male director identifies firms that turn over at least one male director in the time period after the quota announcement up until the first post-quota election. Add female director indicates whether a firm added a female director during the same period of time (and thus became compliant with the 2019 quota requirement). The remaining control variables are equivalent to those in Table 5 defined at the firm level at the time of the announcement of the quota. We exclude female directors, CEO and board chairs that were turned over by the first pre-quota election; as well as turnovers that are unlikely related to the quota (as a result of mergers and restructurings, director deaths, health reason, or requirements on retirement age). Robust (White) standard errors in parentheses. *p < 0.10, **p < 0.05, ***p < 0.01.

Table 8: Summary statistics for turned over directors

		Least-supported							Least or second-least supported			
Variables	N	mean	sd	p25	p50	p75	N	mean	sd	p25	p50	p75
Support: raw	55	0.886	0.118	0.853	0.919	0.968	74	0.899	0.109	0.866	0.930	0.980
Support: standardized	55	-0.590	1.301	-0.957	-0.237	0.304	74	-0.456	1.193	-0.810	-0.110	0.443
Excess support	55	-0.066	0.095	-0.083	-0.028	-0.005	74	-0.054	0.086	-0.071	-0.020	-0.004
Independent	55	0.873	0.336	1	1	1	74	0.878	0.329	1	1	1
Director age	55	64.891	10.976	57	66	74	74	64.932	10.474	57	66	74
Director tenure	55	11.364	8.314	5	9	15	74	11.122	8.420	5	9	15

Panel B:	Other	than	least	or	second-least	supported	replaced
i and D.	Ounci	OIICOII	10000	OI	become reast	Dupportou	ropiacoa

	Other than least-supported					О	ther than	n least or	second-l	east sup	ported	
Variables	N	mean	sd	p25	p50	p75	N	mean	sd	p25	p50	p75
Support: raw	87	0.954	0.056	0.939	0.977	0.990	68	0.959	0.052	0.945	0.979	0.991
Support: standardized	87	0.150	0.610	-0.015	0.404	0.545	68	0.211	0.576	0.057	0.429	0.560
Excess support	87	0.012	0.046	-0.001	0.003	0.026	68	0.021	0.043	0.001	0.008	0.033
Independent	87	0.874	0.334	1	1	1	68	0.868	0.341	1	1	1
Director age	87	63.057	11.054	56	65	71	68	62.5	11.455	56	64.5	71
Director tenure	87	8.816	6.489	4	8	13	68	8.368	5.635	4	7.5	13

Difference in

(standardized) support:

Least supported -

 $turned\ over\ director^* \qquad 87 \quad -0.559 \quad 0.890 \quad -0.627 \quad -0.195 \quad -0.033 \qquad 68 \quad -0.642 \quad 0.208 \quad -0.838 \quad -0.211 \quad -0.033$

This table reports descriptive statistics for male directors who were turned over by the time of the first post-quota election split by the level of shareholder support in the last pre-quota election. The sample consists of director departures in firms (N=127) that have at least one female director in the first election after the quota (complying with the 2019 quota requirement) and where a male incumbent director departs from the board. This sample excludes female directors, CEO and board chairs that were turned over before the first pre-quota election. It also excludes turnovers that are unlikely to be related to the quota (as a result of mergers and restructurings, director deaths, health reason, or requirements on retirement age). Standardized Support is the z-score of raw Support which is calculated as raw Support minus its sample average and subsequently dividing by the sample standard deviation. Excess Support is defined as the nominee's support in the election minus the average for all other nominees in that election. Panel A shows descriptive statistics for turned over directors who had the least support (or least or second-least support) in the last pre-quota election. Panel B shows descriptive statistics for turned over directors who were not the least-supported (and not the least or second-least supported) in the last pre-quota election. When a director did not stand for election in the last pre-quota election, their ranking is calculated based on the last election where they were a nominee.*The average is used to calculate statistics in cases where both the least and second-least supported directors were turned over.

Table 9: Do the Least-Supported Directors Leave?

Panel A: Violation19			
	Base	Least supported	Least or second-least supported
Violation19	-0.017*		
	(0.009)		
Violation 19 x LS turned over		-0.002	0.000
		(0.014)	(0.012)
Violation 19 x LS not turned over		-0.024**	-0.029**
		(0.010)	(0.012)
Board controls	Yes	Yes	Yes
Observations	127	127	127
R-squared	0.286	0.338	0.333
Panel B: Shortfall21			
	Base	Least supported	Least or second-least supported
Shortfall21: 1 Female director	-0.012*		
	(0.007)		
Shortfall21: 2 Female directors	-0.013*		
	(0.007)		
Shortfall21: 3 Female directors	-0.027**		
	(0.011)		
Shortfall21: 1 Female director	,	-0.003	-0.009
x LS turned over		(0.009)	(0.008)
Shortfall21: 1 Female director		-0.013	-0.010
x LS not turned over		(0.009)	(0.012)
Shortfall21: 2 Female directors		-0.000	-0.006
x LS turned over		(0.011)	(0.010)
Shortfall21: 2 Female directors		-0.017*	-0.013
x LS not turned over		(0.009)	(0.010)
Shortfall21: 3 Female directors		-0.003	-0.007
x LS turned over		(0.017)	(0.015)
Shortfall21: 3 Female directors		-0.038***	-0.041***
x LS not turned over		(0.012)	(0.015)
Board controls	Yes	Yes	Yes
Observations	127	127	127
R-squared	0.307	0.357	0.348

The dependent variable is Abnormal Return, which is the market model adjusted stock return on October 1, 2018. The sample consists of firms that have at least one female director by the first election after the quota (complying with the 2019 quota requirement) and where a male incumbent director departs from the board by the first post-quota election. This sample excludes female directors, CEO and board chairs that were turned over before the first pre-quota election. It also excludes turnovers that are unlikely related to the quota (as a result of mergers and restructurings, director deaths, health reasons, or requirements on retirement age). Violation 19 is a dummy that takes a value of one if a board has zero female directors at the time of the quota announcement (September 30, 2018). Shortfall21 is equal to the board's number of female directors missing to comply with the 2021 quota requirement based on its gender composition in the last pre-announcement election and can range from zero to three. $LS\ turned\ over$ is a dummy that takes a value of one if the departing director is the least (Column (2)) or second-least (Column (3)) supported one based on shareholder votes (Support) in the last election before the quota announcement. LS not turned over is a dummy that equals 1-LS turned over . Both variables are included separately in the regressions but are not reported in the table. All specifications include the control variables listed in Table 5 defined at the firm level at the time of the quota announcement. A robustness check for the sub-sample of only non-classified boards (where each director stands for election every year) is reported in Table A10. Robust (White) standard errors in parentheses. *p < 0.10, **p < 0.05, ***p < 0.01.

Table 10: Can Investors Predict which Directors Leave?

	(1)	(2)	(3)
Variables	Pr(Least-supported leaves)	Announce	ement Returns
Violation19	0.087	-0.013	-0.065**
	(0.258)	(0.009)	(0.025)
Co-opted board	-0.021		
	(0.106)		
Violation19 x Co-opted board	0.398**		
	(0.189)		
Plurality voting rule	0.053		
	(0.105)		
Violation 19 x Plurality voting rule	-0.412*		
	(0.236)		
ISS opposition against LS	-0.042		
	(0.109)		
Violation19 x ISS opposition against LS	-0.111		
	(0.213)		
Classified board	0.092		
	(0.106)		
Violation19 x Classified board	0.102		
	(0.208)		
Residual(LS leaves)		0.006	
		(0.006)	
Violation19 x Residual(LS leaves)		0.016	
		(0.021)	
Pr(LS leaves)			-0.095*
			(0.054)
$Violation 19 \times Pr(LS leaves)$			0.128**
			(0.058)
Constant	0.338***	-0.033*	-0.002
	(0.092)	(0.017)	(0.032)
Board Controls	No	Yes	Yes
Observations	127	127	127
R-squared	0.073	0.091	0.104

Column (1) presents results from an OLS estimation where the dependent variable is equal to one if the leastsupported director (pre-quota) leaves by the time of the first election after the quota and zero otherwise. Violation19 is a dummy that takes a value of one if a board has zero female directors at the time of the quota announcement (September 30, 2018). Co-opted board is a dummy that takes a value of one if the share of directors who joined the board after the CEO is above the sample average. Plurality voting rule is a dummy that takes a value of one if the firm has a plurality voting rule in place for director elections and zero if it has a majority voting rule. ISS opposition against LS is a dummy that takes a value of one if the ISS issued an against recommendation for the least-supported director in the last pre-quota election. Classified board is a dummy that takes a value of one if the board is classified in its last pre-quota election. In Columns (2) and (3), the dependent variable is Abnormal Return, which is the market model adjusted stock return on October 1, 2018. $Pr(LS \ leaves)$ is the predicted value for the dependent variable, Least-supported leaves, extracted from the regression in Column (1). Residual(LS leaves) is the residual extracted from the regression in Column (1). The specifications in Columns (2) and (3) include the control variables listed in Table 5 defined at the firm level except for the classified board dummy that is used in the prediction specification in Column (1). The sample corresponds to the sample used in Table 9 and consists of firms that have at least one female director and who turn over at least one male incumbent director by time of the first election after the quota (complying with the 2019 quota requirement). Robust (White) standard errors in parentheses. *p < 0.10, **p < 0.05, ***p < 0.01.

A Appendix For Online Publication

 ${\bf Table\ A1:}\ {\bf Support\ for\ female\ nominees:}\ pre\ versus\ post\ quota\ -\ within\ nominee\ comparison$

Excess support	N	Pre	Post	Difference (Post-Pre)
Female Nominee Male Nominee		$0.005 \\ 0.002$	0.000 -0.007	-0.004 -0.009***
Difference (Female-Male)		0.003	0.007***	

This table provides average excess support within nominee before (pre) and after (post) the quota for female and male nominees. Excess Support is defined as the individual nominee's support in an election minus the average for all other nominees in that election. Includes only nominees who stand for election in the pre- and post period. The last column presents the results of a simple differences-in-means t-test. *p < 0.10, **p < 0.05, ***p < 0.01.

Table A2: Support for female nominees: pre- versus post-quota for new and incumbent nominees – Non-classified boards

	(1)	(2)	(3)
Variables	Pooled	New nominees	Incumbent nominees
Female nominee	0.040*	0.156**	0.040*
	(0.024)	(0.077)	(0.024)
Post x Female nominee	0.081**	-0.051	0.073**
	(0.032)	(0.090)	(0.032)
New nominee	0.202***		
	(0.033)		
Female nominee x New nominee	0.100*		
	(0.058)		
Post x New nominee	0.101*		
	(0.054)		
Post x Female nominee x New nominee	-0.204**		
	(0.081)		
Election FEs	Yes	Yes	Yes
R-squared	0.631	0.637	0.581
Observations	12,053	478	7,579

Implied differences between female and male nominees

	Pooled	New nominees	Incumbent nominees
Incumbent nominee pre: female - male	0.040*		0.040*
	(0.024)		(0.024)
Incumbent nominee post: female - male	0.121***		0.113***
	(0.022)		(0.022)
New nominee pre: female - male	0.140***	0.156**	
	(0.052)	(0.077)	
New nominee post: female - male	0.017	0.105**	
	(0.051)	(0.046)	

Corresponds to the estimation results of Specifications 1 and 2 reported in Table 4 for the sub-sample of non-classified boards only. The dependent variable (Support) is defined as the $number\ of\ "for"\ votes\ divided\ by\ the\ sum\ of\ "for,"\ "abstain,"\ "against,"\ and\ "withhold"\ votes.$ We standardize Support by subtracting its sample mean and subsequently dividing it by the sample standard deviation (z-score). The unit of analysis is an election. Female nominee takes the value of one if the focal nominee standing for election is a woman. Post is a dummy equal to one if the election takes place in October 2018 or later and zero otherwise. New nominee is equal to one if a nominees stands for election for the first time and was appointed to board within one year of the meeting where the election took place. We use election fixed effects in all regressions. Column (1) includes the full sample of nominees. Column (2) includes the subsample of new nominees. Column (3) includes the sub-sample of incumbent nominees. The top part of the table presents results from Specification 1. The bottom part of the table presents results from Specification 2. The implied differences between female and male nominees shown in the bottom part of the table for new and incumbent female nominees relative to new and incumbent male nominees respectively can also be calculated from the point estimates in the regression specification 1 shown in the top part of the table. For example, the coefficient γ_3 in Specification 2 of $Pre_{i,ct} \times Female_{i,ct} \times New_{i,ct}$ equals $\beta_2 + \beta_5$, i.e., the coefficients on $Female_{i,ct}$ plus $Female_{i,ct} \times New_{i,ct}$, in Specification 1. *p < 0.10, **p < 0.05, ***p < 0.01.

Table A3: Support for female nominees: pre- versus post-quota for new and incumbent nominees – Firms whose equity is traded on a major stock exchange

	(1)	(2)	(3)
Variables	Pooled	New nominees	Incumbent nominees
Female nominee	0.026	0.132*	0.029
	(0.024)	(0.075)	(0.025)
Post x Female nominee	0.074**	-0.083	0.065*
	(0.034)	(0.086)	(0.034)
New nominee	0.253***		
	(0.033)		
Female nominee x New nominee	0.065		
	(0.057)		
Post x New nominee	0.135**		
	(0.053)		
Post x Female nominee x New nominee	-0.142*		
	(0.079)		
Election FEs	Yes	Yes	Yes
R-squared	0.679	0.603	0.673
Observations	13,629	534	8,789

Implied differences between female and male nominees

	Pooled	New nominees	Incumbent nominees
Incumbent nominee pre: female - male	0.026		0.029
	(0.024)		(0.025)
Incumbent nominee post: female - male	0.100***		0.094***
	(0.023)		(0.023)
New nominee pre: female - male	0.091*	0.132*	
	(0.051)	(0.075)	
New nominee post: female - male	0.023	$0.049^{'}$	
	(0.049)	(0.042)	

Corresponds to the estimation results of Specifications 1 and 2 reported in Table 4 for the sub-sample of 554 firms whose equity is traded on one of the major exchanges (see Table 5 for details). The dependent variable (Support) is defined as the number of "for" votes divided by the sum of "for," "abstain," "against," and "withhold" votes. We standardize Support by subtracting its sample mean and subsequently dividing it by the sample standard deviation (z-score). The unit of analysis is an election. Female nominee takes the value of one if the focal nominee standing for election is a woman. Post is a dummy equal to one if the election takes place in October 2018 or later and zero otherwise. New nominee is equal to one if a nominees stands for election for the first time and was appointed to board within one year of the meeting where the election took place. We use election fixed effects in all regressions. Column (1) includes the full sample of nominees. Column (2) includes the sub-sample of new nominees. Column (3) includes the sub-sample of incumbent nominees. The top part of the table presents results from Specification 1. The bottom part of the table presents results from Specification 2. The implied differences between female and male nominees shown in the bottom part of the table for new and incumbent female nominees relative to new and incumbent male nominees respectively can also be calculated from the point estimates in the regression specification 1 shown in the top part of the table. For example, the coefficient γ_3 in Specification 2 of $Pre_{i,ct} \times Female_{i,ct} \times New_{i,ct}$ equals $\beta_2 + \beta_5$, i.e., the coefficients on $Female_{i,ct}$ plus $Female_{i,ct} \times New_{i,ct}$, in Specification 1. Robust (White) standard errors in parentheses. *p < 0.10, **p < 0.05, ***p < 0.01.

Table A4: Support for female nominees: pre- versus post-quota for new and incumbent nominees

– ISS recommendations

	(1)	(2)	(3)
Variables	Pooled	New nominees	Incumbent nominees
Female nominee	0.003	0.083	0.004
	(0.018)	(0.063)	(0.018)
Post x Female nominee	0.101***	-0.019	0.099***
	(0.026)	(0.074)	(0.026)
New nominee	0.079***		
	(0.025)		
Female nominee x New nominee	0.045		
	(0.042)		
Post x New nominee	0.122***		
	(0.042)		
Post x Female nominee x New nominee	-0.126**		
	(0.063)		
ISS Against Recommendation	-1.479***	-1.268***	-1.753***
	(0.039)	(0.357)	(0.058)
Election FEs	Yes	Yes	Yes
R-squared	0.772	0.746	0.776
Observations	14,623	559	9,304

Implied differences between female and male nominees

	Pooled	New nominees	Incumbent nominees
Incumbent nominee pre: female - male	0.003		0.004
	(0.018)		(0.018)
Incumbent nominee post: female - male	0.104***		0.103***
	(0.019)		(0.019)
New nominee pre: female - male	0.048	0.083	
	(0.038)	(0.063)	
New nominee post: female - male	0.022	0.063	
	(0.041)	(0.040)	

Corresponds to the estimation results of Specifications 1 and 2 reported in Table 4 for the sub-sample of elections for which an ISS recommendation is available. The dependent variable (Support) is defined as the number of "for" votes divided by the sum of "for," "abstain," "against," and "withhold" votes. We standardize Support by subtracting its sample mean and subsequently dividing it by the sample standard deviation (z-score). The unit of analysis is an election. ISS Against Recommendation takes the value of one if ISS issued an "against" recommendation for the nominee in the focal election. Female nominee takes the value of one if the focal nominee standing for election is a woman. Post is a dummy equal to one if the election takes place in October 2018 or later and zero otherwise. New nominee is equal to one if a nominees stands for election for the first time and was appointed to board within one year of the meeting where the election took place. We use election fixed effects in all regressions. Column (1) includes the full sample of nominees. Column (2) includes the sub-sample of new nominees. Column (3) includes the sub-sample of incumbent nominees. The top part of the table presents results from Specification 1. The bottom part of the table presents results from Specification 2. The implied differences between female and male nominees shown in the bottom part of the table for new and incumbent female nominees relative to new and incumbent male nominees respectively can also be calculated from the point estimates in the regression specification 1 shown in the top part of the table. For example, the coefficient γ_3 in Specification 2 of $Pre_{i,ct} \times Female_{i,ct} \times New_{i,ct}$ equals $\beta_2 + \beta_5$, i.e., the coefficients on $Female_{i,ct}$ plus $Female_{i,ct} \times New_{i,ct}$, in Specification 1. Robust (White) standard errors in parentheses. *p < 0.10, **p < 0.05, ***p < 0.01.

Table A5: Support for female nominees: pre- versus post-quota for new and incumbent nominees

- ISS recommendations in non-classified boards

	(1)	(2)	(3)
Variables	Pooled	New nominees	Incumbent nominees
Female nominee	0.010	0.123*	0.010
	(0.019)	(0.070)	(0.019)
Post x Female nominee	0.107***	-0.053	0.108***
	(0.027)	(0.083)	(0.027)
New nominee	0.093***		
	(0.028)		
Female nominee x New nominee	0.080*		
	(0.046)		
Post x New nominee	0.092**		
	(0.046)		
Post x Female nominee x New nominee	-0.152**		
	(0.068)		
ISS Against Recommendation	-1.463***	-1.321***	-1.759***
	(0.044)	(0.409)	(0.062)
Election FEs	Yes	Yes	Yes
R-squared	0.731	0.710	0.714
Observations	11,468	460	7,231

Implied differences between female and male nominees

	Pooled	New nominees	Incumbent nominees
Incumbent nominee pre: female - male	0.010		0.010
	(0.019)		(0.019)
Incumbent nominee post: female - male	0.118***		0.118***
	(0.019)		(0.019)
New nominee pre: female - male	0.090**	0.123*	
	(0.041)	(0.070)	
New nominee post: female - male	0.070	0.045	
	(0.045)	(0.043)	

Corresponds to the estimation results of Specifications 1 and 2 reported in Table 4 for the sub-sample of firms with non-classified boards. The dependent variable (Support) is defined as the number of "for" votes divided by the sum of "for," "abstain," "against," and "withhold" votes. We standardize Support by subtracting its sample mean and subsequently dividing it by the sample standard deviation (z-score). The unit of analysis is an election. ISS Against Recommendation takes the value of one if ISS issued an "against" recommendation for the nominee in the focal election. Female nominee takes the value of one if the focal nominee standing for election is a woman. Post is a dummy equal to one if the election takes place in October 2018 or later and zero otherwise. New nominee is equal to one if a nominees stands for election for the first time and was appointed to board within one year of the meeting where the election took place. We use election fixed effects in all regressions. Column (1) includes the full sample of nominees. Column (2) includes the sub-sample of new nominees. Column (3) includes the sub-sample of incumbent nominees. The top part of the table presents results from Specification 1. The bottom part of the table presents results from Specification 2. The implied differences between female and male nominees shown in the bottom part of the table for new and incumbent female nominees relative to new and incumbent male nominees respectively can also be calculated from the point estimates in the regression specification 1 shown in the top part of the table. For example, the coefficient γ_3 in Specification 2 of $Pre_{i,ct} \times Female_{i,ct} \times New_{i,ct}$ equals $\beta_2 + \beta_5$, i.e., the coefficients on $Female_{i,ct}$ plus $Female_{i,ct} \times New_{i,ct}$, in Specification 1. Robust (White) standard errors in parentheses. *p < 0.10, **p < 0.05, ***p < 0.01.

Table A6: Support for female nominees: pre-versus post-quota for new and incumbent nominees – Firms with stock returns

	(1)	(2)	(3)
Variables	Pooled	New nominees	Incumbent nominees
Female nominee	0.035	0.138*	0.040
	(0.024)	(0.076)	(0.025)
Post x Female nominee	0.071**	-0.098	0.061*
	(0.034)	(0.087)	(0.034)
New nominee	0.249***		
	(0.031)		
Female nominee x New nominee	0.039		
	(0.056)		
Post x New nominee	0.132**		
	(0.053)		
Post x Female nominee x New nominee	-0.125		
	(0.079)		
Election FEs	Yes	Yes	Yes
R-squared	0.676	0.605	0.660
Observations	13,631	521	8,635

Implied differences between female and male nominees

	Pooled	New nominees	Incumbent nominees
Incumbent nominee pre: female - male	0.035		0.040
	(0.024)		(0.025)
Incumbent nominee post: female - male	0.106***		0.102***
	(0.023)		(0.023)
New nominee pre: female - male	0.074	0.138*	
	(0.049)	(0.076)	
New nominee post: female - male	0.021	0.041	
	(0.050)	(0.042)	

Corresponds to the estimation results of Specifications 1 and 2 reported in Table 4 for the sub-sample of 524 firms for which sufficient stock price information was available to calculate abnormal returns and who did not have any other material events at the time of the quota announcement (corresponding to sample in Table 5). The dependent variable (Support) is defined as the number of "for" votes divided by the sum of "for," "abstain,' "against," and "withhold" votes. We standardize Support by subtracting its sample mean and subsequently dividing it by the sample standard deviation (z-score). The unit of analysis is an election. Female nominee takes the value of one if the focal nominee standing for election is a woman. Post is a dummy equal to one if the election takes place in October 2018 or later and zero otherwise. $New \ nominee$ is equal to one if a nominees stands for election for the first time and was appointed to board within one year of the meeting where the election took place. We use election fixed effects in all regressions. Column (1) includes the full sample of nominees. Column (2) includes the sub-sample of new nominees. Column (3) includes the sub-sample of incumbent nominees. The top part of the table presents results from Specification 1. The bottom part of the table presents results from Specification 2. The implied differences between female and male nominees shown in the bottom part of the table for new and incumbent female nominees relative to new and incumbent male nominees respectively can also be calculated from the point estimates in the regression specification 1 shown in the top part of the table. For example, the coefficient γ_3 in Specification 2 of $Pre_{i,ct} \times Female_{i,ct} \times New_{i,ct}$ equals $\beta_2 + \beta_5$, i.e., the coefficients on $Female_{i,ct}$ plus $Female_{i,ct} \times New_{i,ct}$, in Specification 1. Robust (White) standard errors in parentheses. *p < 0.10, **p < 0.05, ***p < 0.01.

Table A7: Support for new female nominees: pre-versus post-quota – Including nominee attributes

	(1)
Variables	New nominees
Female nominee	0.121*
	(0.065)
Post x Female nominee	-0.036
	(0.080)
Independent	-0.031
	(0.093)
Appointed before election	-0.107**
	(0.045)
Audit committee	0.074
	(0.051)
Compensation committee	-0.003
	(0.054)
Election FEs	Yes
R-squared	0.629
Observations	578

Implied differences between female and male nominees

	New nominees
New nominee pre: female - male	0.121*
	(0.065)
New nominee post: female - male	0.085*
	(0.048)

Corresponds to Specifications 1 and 2 reported in Table 4 Column (2) which includes the sub-sample of new nominees where at least one new female and one new male nominee stand for election. Additional controls are included indicating whether a nominee is independent ((independent)), part of the audit committee ((Audit Committee)), and/ or part of the compensation committee ((Compensation Committee)). The control variable Appointed prior election is equal to one if a nominee was appointed within one year prior to the election and is standing for election for the first time. The variable is equal to zero if a nominee was not appointed prior to the election and is standing for election for the first time. The dependent variable (Support) is defined as the number of "for" votes divided by the sum of "for," "abstain," "against," and "withhold" votes. We standardize Support by subtracting its sample mean and subsequently dividing it by the sample standard deviation (z-score). The unit of analysis is an election. Female nominee takes the value of one if the focal nominee standing for election is a woman. Post is a dummy equal to one if the election takes place in October 2018 or later and zero otherwise. New nominee is equal to one if a nominees stands for election for the first time and was appointed to board within one year of the meeting where the election took place. Election fixed effects are included. The top part of the table presents results from Specification 1. The bottom part of the table presents results from Specification 2. The implied differences between female and male nominees shown in the bottom part of the table for new and incumbent female nominees relative to new and incumbent male nominees respectively can also be calculated from the point estimates in the regression specification 1 shown in the top part of the table. For example, the coefficient γ_3 in Specification 2 of $Pre_{i,ct} \times Female_{i,ct} \times New_{i,ct}$ equals $\beta_2 + \beta_5$, i.e., the coefficients on $Female_{i,ct}$ plus $Female_{i,ct} \times New_{i,ct}$, in Specification 1. Robust (White) standard errors in parentheses. *p < 0.10, **p < 0.05, ***p < 0.01.

Table A8: Do the Least-Supported Directors Leave? Turnovers up until May 2019

Panel A: Violation19			
	Base	Least supported	Least or second-least supported
Violation19	-0.016*		
	(0.009)		
Violation19 x LS turned over		0.000	0.004
		(0.014)	(0.012)
$Violation 19 \times LS$ not turned over		-0.025**	-0.032***
		(0.011)	(0.012)
Board controls	Yes	Yes	Yes
Observations	126	126	126
R-squared 0.288	0.336	0.343	
Panel B: Shortfall21			
	Base	Least supported	Least or second-least supported
Shortfall21: 1 Female director	-0.014**		
	(0.007)		
Shortfall21: 2 Female directors	-0.013*		
	(0.007)		
Shortfall21: 3 Female directors	-0.028**		
	(0.011)		
Shortfall21: 1 Female director		-0.001	-0.008
x LS turned over		(0.008)	(0.008)
Shortfall21: 1 Female director		-0.017*	-0.015
x LS not turned over		(0.009)	(0.011)
Shortfall21: 2 Female directors		-0.013	-0.008
x LS turned over		(0.011)	(0.009)
Shortfall21: 2 Female directors		-0.017*	-0.008
x LS not turned over		(0.009)	(0.010)
Shortfall21: 3 Female directors		-0.002	-0.003
x LS turned over		(0.017)	(0.015)
Shortfall21: 3 Female directors		-0.042***	-0.046***
x LS not turned over		(0.013)	(0.014)
Board controls	Yes	Yes	Yes
Observations	126	126	126
R-squared	0.313	0.364	0.371

Corresponds to a variant of the regression results reported in Table 9. Instead of the time of the first post-quota election, turnovers of male directors and additions of new female directors are considered up until and including May 2019 for all firms. The dependent variable is Abnormal Return, which is the market model adjusted stock return on October 1, 2018. The sample consists of firms that have at least one female director by May 2019 (complying with the 2019 quota requirement) and where a male incumbent director departs from the board by May 2019. This sample excludes female directors, CEO and board chairs that were turned over before the first pre-quota election. It also excludes turnovers that are unlikely to be related to the quota (as a result of mergers and restructurings, director deaths, health reasons, or requirements on retirement age). LS turned over is a dummy that takes a value of one if the departing director is the least (Column (2)) or second-least (Column (3)) supported one based on shareholder votes (Support) in the last election before the quota announcement. LS not turned over is a dummy that equals 1-LS turned over. Both variables are included separately in the regressions but are not reported in the table. Violation 19 is a dummy that takes a value of one if a board has zero female directors at the time of the quota announcement (September 30, 2018). Shortfall21 is equal to the board's number of female directors missing to comply with the 2021 quota requirement based on its gender composition in the last pre-announcement election and can range from zero to three. All specifications include control variables listed in Table 5 defined at the firm level at the time of the quota announcement. Robust (White) standard errors in parentheses. *p < 0.10, **p < 0.05, ***p < 0.01.

Table A9: Do the Least-Supported Directors Leave? – Non-classified boards for turnovers up until May 2019

Panel A: Violation19			
	Base	Least supported	Least or second-least supported
Violation19	-0.023**		
	(0.011)		
Violation19 x LS turned over	, ,	-0.002	0.003
		(0.009)	(0.007)
Violation19 x LS not turned over		-0.032**	-0.035***
		(0.014)	(0.015)
Board controls	Yes	Yes	Yes
Observations	57	57	57
R-squared	0.255	0.334	0.323
Panel B: Shortfall21			
	Base	Least supported	Least or second-least supported
Shortfall21: 1 Female director	-0.002	<u> </u>	
	(0.007)		
Shortfall21: 2 Female directors	-0.006		
	(0.010)		
Shortfall21: 3 Female directors	-0.029*		
	(0.014)		
Shortfall21: 1 Female director	,	0.004	0.004
x LS turned over		(0.006)	(0.006)
Shortfall21: 1 Female director		-0.002	-0.004
x LS not turned over		(0.011)	(0.015)
Shortfall21: 2 Female directors		0.012	0.003
x LS turned over		(0.019)	(0.016)
Shortfall21: 2 Female directors		-0.017	-0.012
x LS not turned over		(0.014)	(0.017)
Shortfall21: 3 Female directors		0.005	0.006
x LS turned over		(0.009)	(0.010)
Shortfall21: 3 Female directors		-0.049**	-0.048**
x LS not turned over		(0.019)	(0.020)
Board controls	Yes	Yes	Yes
Observations	57	57	57
R-squared	0.278	0.414	0.379

Corresponds to a variant of the regression results reported in Table A8 for the sub-sample of non-classified boards. The dependent variable is $Abnormal\ Return$, which is the market model adjusted stock return on October 1, 2018. The sample consists of firms that have at least one female director by May 2019 (complying with the 2019 quota requirement) and where a male incumbent director departs from the board by May 2019. This sample excludes female directors, CEO and board chairs that were turned over before the first pre-quota election. It also excludes turnovers that are unlikely to be related to the quota (as a result of mergers and restructurings, director deaths, health reasons, or requirements on retirement age). $LS\ turned\ over$ is a dummy that takes a value of one if the departing director is the least (Column (2)) or second-least (Column (3)) supported one based on shareholder votes (Support) in the last election before the quota announcement. $LS\ not\ turned\ over$ is a dummy that equals 1- $LS\ turned\ over$. Both variables are included separately in the regressions but are not reported in the table. Violation19 is a dummy that takes a value of one if a board has zero female directors at the time of the quota announcement (September 30, 2018). Shortfall21 is equal to the board's number of female directors missing to comply with the 2021 quota requirement based on its gender composition in the last pre-announcement election and can range from zero to three. All specifications include control variables listed in Table 5 defined at the firm level at the time of the quota announcement. Robust (White) standard errors in parentheses. *p < 0.10, **p < 0.05, ***p < 0.05, ***p < 0.01.

Table A10: Do the Least-Supported Directors Leave? – Non-classified boards

Panel A: Violation19			
	Base	Least supported	Least or second-least supported
Violation19	-0.023**		
	(0.011)		
Violation19 x LS turned over	` /	-0.001	0.003
		(0.009)	(0.010)
Violation19 x LS not turned over		-0.028*	-0.030*
		(0.014)	(0.016)
Board controls	Yes	Yes	Yes
Observations	60	60	60
R-squared	0.233	0.299	0.280
Panel B: Shortfall21			
	Base	Least supported	Least or second-least supported
Shortfall21: 1 Female director	0.001		
	(0.008)		
Shortfall21: 2 Female directors	-0.008		
	(0.010)		
Shortfall21: 3 Female directors	-0.026**		
	(0.013)		
Shortfall21: 1 Female director		0.002	0.000
x LS turned over		(0.006)	(0.008)
Shortfall21: 1 Female director		0.004	0.007
x LS not turned over		(0.011)	(0.018)
Shortfall21: 2 Female directors		0.011	0.000
x LS turned over		(0.019)	(0.019)
Shortfall21: 2 Female directors		-0.014	-0.006
x LS not turned over		(0.014)	(0.020)
Shortfall21: 3 Female directors		0.005	-0.005
x LS turned over		(0.009)	(0.013)
Shortfall21: 3 Female directors		-0.036*	-0.033
x LS not turned over		(0.019)	(0.024)
Board controls	Yes	Yes	Yes
Observations	60	60	60
R-squared	0.254	0.355	0.309

Corresponds to a variant of the regression results reported in Table 9 for the sub-sample of non-classified boards only where every director stands for election every year. The dependent variable is Abnormal Return, which is the market model adjusted stock return on October 1, 2018. The sample consists of firms that have at least one female director by time of the first election after the quota (complying with the 2019 quota requirement) and where a male incumbent director departs from the board by the time of the first post-quota election. This sample excludes female directors, CEO and board chairs that were turned over before the first pre-quota election. It also excludes turnovers that are unlikely to be related to the quota (as a result of mergers and restructurings, director deaths, health reasons, or requirements on retirement age). LS turned over is a dummy that takes a value of one if the departing director is the least (Column (2)) or second-least (Column (3)) supported one based on shareholder votes (Support) in the last election before the quota announcement. LS not turned over is a dummy that equals 1-LS turned over. Both variables are included separately in the regressions but are not reported in the table. Violation 19 is a dummy that takes a value of one if a board has zero female directors at the time of the quota announcement (September 30, 2018). Shortfall21 is equal to the board's number of female directors missing to comply with the 2021 quota requirement based on its gender composition in the last pre-announcement election and can range from zero to three. All specifications include control variables listed in Table 5 defined at the firm level at the time of the quota announcement. Robust (White) standard errors in parentheses. p < 0.10, p < 0.05, p < 0.05, p < 0.01.

Table A11: Do the Least-Supported Directors Leave? – Firms whose equity is traded on a major stock exchange

D 14 77 1 1 40			
Panel A: Violation19			
	Base	Least supported	Least or second-least supported
Violation19	0.012		
	(0.009)		
Violation19 x LS turned over		-0.002	0.000
		(0.014)	(0.012)
Violation19 x LS not turned over		-0.018*	-0.023*
		(0.010)	(0.011)
Board controls	Yes	Yes	Yes
Observations	124	124	124
R-squared	0.281	0.319	0.310
Panel B: Shortfall21			
	Base	Least supported	Least or second-least supported
Shortfall21: 1 Female director	-0.012*	<u> </u>	
	(0.007)		
Shortfall21: 2 Female directors	-0.013*		
	(0.007)		
Shortfall21: 3 Female directors	-0.022**		
	(0.010)		
Shortfall21: 1 Female director	, ,	-0.005	-0.011
x LS turned over		(0.009)	(0.008)
Shortfall21: 1 Female director		-0.013	-0.010
x LS not turned over		(0.009)	(0.012)
Shortfall21: 2 Female directors		-0.002	-0.008
x LS turned over		(0.011)	(0.010)
Shortfall21: 2 Female directors		-0.017**	-0.013
x LS not turned over		(0.009)	(0.010)
Shortfall21: 3 Female directors		-0.006	-0.009
x LS turned over		(0.017)	(0.015)
Shortfall21: 3 Female directors		-0.033***	-0.035***
x LS not turned over		(0.012)	(0.014)
Board controls	Yes	Yes	Yes
Observations	124	124	124
R-squared	0.300	0.339	0.326

Corresponds to a variant of the regression results reported in Table 9 excluding firms not traded on a major stock exchange (as shown in Table 3). The dependent variable is Abnormal Return, which is the market model adjusted stock return on October 1, 2018. The sample consists of firms that have at least one female director by time of the first election after the quota (complying with the 2019 quota requirement) and where a male incumbent director departs from the board by the time of the first post-quota election. This sample excludes female directors, CEO and board chairs that were turned over before the first pre-quota election. It also excludes turnovers that are unlikely to be related to the quota (as a result of mergers and restructurings, director deaths, health reasons, or requirements on retirement age). LS turned over is a dummy that takes a value of one if the departing director is the least (Column (2)) or second-least (Column (3)) supported one based on shareholder votes (Support) in the last election before the quota announcement. LS not turned over is a dummy that equals 1-LS turned over. Both variables are included separately in the regressions but are not reported in the table. Violation19 is a dummy that takes a value of one if a board has zero female directors at the time of the quota announcement (September 30, 2018). Shortfall21 is equal to the board's number of female directors missing to comply with the 2021 quota requirement based on its gender composition in the last pre-announcement election and can range from zero to three. All specifications include control variables listed in Table 5 defined at the firm level at the time of the quota announcement. Robust (White) standard errors in parentheses. p < 0.10, p < 0.05, p < 0.01.

 $\textbf{Table A12:} \ \ \textbf{Do the Least-Supported Directors Leave?} - \textbf{Controlling for market capitalization and industry returns}$

Panel A: Violation19			
	Base	Least supported	Least or second-least supported
Violation19	0.012		
	(0.008)		
Violation19 x LS turned over		-0.004	-0.003
		(0.012)	(0.011)
Violation19 x LS not turned over		-0.022**	-0.027**
		(0.010)	(0.012)
Fama-French 12 industry returns	-2.021**	-1.967**	-1.937**
	(0.914)	(0.898)	(0.933)
Log of market capitalization	-0.003**	-0.003**	-0.003**
	(0.001)	(0.001)	(0.001)
Board controls	Yes	Yes	Yes
Observations	125	125	125
R-squared	0.336	0.363	0.358
Panel B: Shortfall21			
	Base	Least supported	Least or second-least supported
Shortfall21: 1 Female director	-0.007		
	(0.007)		
Shortfall21: 2 Female directors	-0.007		
	(0.007)		
Shortfall21: 3 Female directors	-0.019*		
	(0.010)		
Shortfall21: 1 Female director		-0.007	-0.014*
x LS turned over		(0.008)	(0.001)
Shortfall21: 1 Female director		-0.010	-0.005
x LS not turned over		(0.009)	(0.011)
Shortfall21: 2 Female directors		-0.005	-0.011
x LS turned over		(0.009)	(0.009)
Shortfall21: 2 Female directors		-0.017*	-0.012
x LS not turned over		(0.009)	(0.010)
Shortfall21: 3 Female directors		-0.010	-0.014
x LS turned over		(0.016)	(0.014)
Shortfall21: 3 Female directors		-0.036***	-0.038***
x LS not turned over		(0.012)	(0.014)
Fama-French 12 industry returns	-1.780*	-1.637*	-1.664*
	(1.006)	(0.938)	(0.983)
Log of market capitalization	-0.003**	-0.003**	-0.004**
	(0.001)	(0.001)	(0.001)
Board controls	Yes	Yes	Yes
Observations	124	124	124
R-squared	0.346	0.383	0.378

Corresponds to a variant of the regression results reported in Table 9 controlling for the firms' (logarithm of) market capitalization at the time of the quota announcement and industry returns (Fama-French 12 industry portfolio returns) at the day of the quota announcement. The dependent variable is Abnormal Return, which is the market model adjusted stock return on October 1, 2018. The sample consists of firms that have at least one female director by time of the first election after quota (complying with the 2019 quota requirement) and where a male incumbent director departs from the board by the time of the first post-quota election. This sample excludes female directors, CEO and board chairs that were turned over before the first pre-quota election. It also excludes turnovers that are unlikely to be related to the quota (as a result of mergers and restructurings, director deaths, health reasons, or requirements on retirement age). LS turned over is a dummy that takes a value of one if the departing director is the least (Column (2)) or second-least (Column (3)) supported one based on shareholder votes (Support) in the last election before the quota announcement. LS not turned over is a dummy that equals 1-LS turned over. Both variables are included separately in the regressions but are not reported in the table. Violation19 is a dummy that takes a value of one if a board has zero female directors at the time of the quota announcement (September 30, 2018). Shortfall21 is equal to the board's number of female directors missing to comply with the 2021 quota requirement based on its gender composition in the last pre-announcement election and can range from zero to three. All specifications include control variables listed in Table 5 defined at the firm level at the time of the quota announcement. Robust (White) standard errors in parentheses. *p < 0.10, **p < 0.05, ***p < 0.05.

B Appendix

Turnover of Committee Chairs

Ertimur, Ferri, and Oesch (2018) show that in uncontested director elections, shareholders use their votes to express dissatisfaction with specific corporate governance problems they would like to see addressed. They do so by targeting the chairs of the committees where they see issues. However, the withdrawal of support for committee chairs is not intended to imply that the director is generally not a good fit for the company. For instance, related to gender diversity specifically, institutional investors advocating higher female board representation through campaigns preceding the quota threatened to vote against the chair of the nominating committee if they felt that their request was not sufficiently addressed by firms (as also described in Gormley et al. (2020)). According to the logic described in Ertimur, Ferri, and Oesch (2018), it might be the case that shareholders voted against committee chairs to address specific issues but did not want to see these committee chairs leave the board. This means that in cases where a committee chair is the least (or second-least) supported director and is leaving the board we should see a negative stock price reaction. Thus, the value-neutral returns for violating firms who turn over the least supported directors should be driven by firms who turn over least supported directors who are not committee chairs. To test whether this is the case, we conduct an analysis for the sub-sample of firms where the least or second-least supported director is leaving the board. Within this sample, we separate firms where the departing least or second-least supported director is a committee chair from those where the departing least or second-least supported director is not a committee chair. The results are reported in Table B1; in both cases the point estimates are not statistically significant and very close to zero.

Substitution of Male Incumbent Directors with New Female Directors

One alternative explanation for the negative share price reaction within the group of firms who violated the quota at announcement and did not turn over the least-supported director is that these firms also have difficulties attracting high-quality female candidates. To examine this explanation, we compare the average excess support of new female nominees in their first post-quota election and the excess support of the turned over male directors in their last pre-quota election. Excess support is defined as the nominee's support in an election minus the average for

all other nominees in that same election. Note that while these are two different elections, excess support accounts for the average level of support in the respective elections.

First, the excess support of new female nominees in violator firms who fail to turn over the least-supported male director is not below the level of excess support for new female nominees in violator firms who turn over the least-supported male director (6.4% versus 5.0%). There are no cases where the female nominee receives less support than the least-supported male nominee, regardless of whether the least-supported director turns over. This does not support the conjecture that there are differences in the abilities of these two types of firms to recruit suitable female nominees. Second, the average excess support of the new female nominees (6.4% and 5.0%) is above the average excess support of the departing male incumbents on boards where the least-supported male director leaves (-5.7%) and on boards where a different male director leaves (2.8%). If a firm does not turn over the least-supported director, any new director mechanistically has relatively high support. Therefore, we re-calculate the excess support for new female nominees while excluding the retained low-supported male directors. This leads to a slightly but not substantially lower excess support of 6.3% for new female nominees.

 Table B1: Do the Least-Supported Directors Leave? Turnovers of committee chairs

Panel A: Violation19		
	Base	Least or second-least supported turned over
Violation19	0.000	
	(0.012)	
Violation19 x Committee chair	,	-0.009
		(0.032)
Violation19 x Not committee chair		-0.001
		(0.011)
Board controls	Yes	Yes
Observations	51	51
R-squared	0.214	0.288
Panel B: Shortfall21		
	Base	Least or second-least supported turned over
Shortfall21: 1 Female director	0.011	**
	(0.011)	
Shortfall21: 2 Female directors	0.011	
	(0.013)	
Shortfall21: 3 Female directors	0.009	
	(0.016)	
Shortfall21: 1 Female director x Committee chair	,	0.000
		(0.015)
Shortfall21: 1 Female director x Not committee chair		$0.011^{'}$
		(0.016)
Shortfall21: 2 Female directors x Committee chair		0.008
		(0.018)
Shortfall21: 2 Female directors x Not committee chair		$-0.005^{'}$
		(0.013)
Shortfall21: 3 Female directors x Committee chair		-0.006
		(0.036)
Shortfall21: 3 Female directors x Not committee chair		$0.002^{'}$
		(0.018)
Board controls	Yes	Yes
Observations	51	51
R-squared	0.226	0.314

Corresponds to specification in Table 9 for the subsample of firms where the least or second least supported male incumbent director based on shareholder votes (Support) in the last election before the quota announcement departs from the board by the time of the first post-quota election. The dependent variable is $Abnormal\ Return$, which is the market model adjusted stock return on October 1, 2018. The sample consists of firms that have at least one female director by the first election after the quota (complying with the 2019 quota requirement) and where a male incumbent director departs by the first post-quota election. This sample excludes female directors, CEO and board chairs that were turned over before the first pre-quota election. It also excludes turnovers that are unlikely to be related to the quota (as a result of mergers and restructurings, director deaths, health reasons, or requirements on retirement age). Violation19 is a dummy that takes a value of one if a board has zero female directors at the time of the quota announcement (September 30, 2018). Shortfall21 is equal to the board's number of female directors missing to comply with the 2021 quota requirement based on its gender composition in the last pre-announcement election and can range from zero to three. $Committee\ chair$ is a dummy that takes a value of one if the departing director is the least or second-least supported director and not the chair of a board committee. All specifications include control variables listed in Table 5 defined at the firm level at the time of the quota announcement. Robust (White) standard errors in parentheses. *p < 0.10, *p < 0.05, *p < 0.01.

C Appendix

Alternative Explanations for Changes in Support for Female Nominees

Our analysis provides evidence that shareholders do not oppose quota-mandated female nominees. For our story to hold, it is crucial that new female nominees are not less supported by shareholders than new male nominees after the quota. Therefore, in the subsequent section, we more closely investigate underlying drivers of shareholder votes and support for female nominees.

Director Characteristics

Shareholder votes a are market-based measure of director performance and reflect quality in the perception of shareholders (Erel et al., 2021). However, one may ask whether shareholders vote in favour of female nominees post-quota not because they regard them as a good fit for the firm but to express their view that the firm should avoid violating the quota and the resulting fine. As a result, female nominees gain higher shareholder support than the same nominee would receive without the quota. Our argument is that there is no need for shareholders to vote in favour of the female nominee to ensure compliance because there is essentially no risk to end up non-compliant as long as there is a female nominee standing as a director for election. Nevertheless, in the following analysis, we test whether there is evidence of inflated shareholder support for quota-mandated female nominees by analyzing whether changes in the characteristics between new female nominees pre and post-quota would have predicted lower support than they actually received.

The current literature on board composition fails to provide unambiguous evidence of universal director characteristics that increase firm value (see Adams, Hermalin, and Weisbach (2010) for a review). Board composition is determined endogenously with substantial heterogeneity across firms with different characteristics (Hermalin and Weisbach, 1988; Erel et al., 2021). A director characteristic that is beneficial for one board may be disadvantageous for another board. Erel et al. (2021) create a machine learning algorithm trained to identify nominees that will perform well in uncontested elections for the board of directors (i.e. obtain high shareholder support). Importantly, their model was trained using a sample of shareholder votes outside of the CA quota period. Based on a Lasso model, the authors identify ten features and associated coefficients that are most relevant in predicting shareholder support for new nominees. While these coefficients cannot be interpreted in the same way as OLS coefficients, they provide a sense

for the magnitude and direction of how a characteristic will affect support (see Mullainathan and Spiess (2017)). We select the five features that would not have been absorbed by election fixed effects in our analysis and check how these characteristics changed for new female and male nominees from pre to post-quota.

Table C1 shows the average values on the five characteristics for female (Columns (1) and (3)) and male nominees (Columns (2) and (4)) that stood for election for the first time before (Columns (1) and (2)) and after the quota (Columns (3) and (4)). The table also shows the difference on these characteristics between men and women before and after the quota. Lastly, the table shows the relative change in these characteristics between female and male nominee pre to post-quota (Post-Pre). Based on the Erel et al. coefficient, being in the audit committee exerts a positive impact on support. Being on the compensation committee, having three or more board seats (Busy), and being born between 1965 and 1980 (Generation X) has a negative influence on support; having sat on many private company boards exerts the most negative impact on support. The table shows that, pre-quota, new female nominees had a higher average value on the positive attribute and lower average values on the negative attributes than new men. After the quota, the gap between female and male nominees becomes even larger on all except for one attribute (more female nominees serve on the compensation committee postquota than before). Overall, this means that one would rather expect new female nominees to have more support post than pre-quota. Thus, we see no evidence that the quota provided new female nominees with a boost inconsistent with their characteristics.

General Trends: Shareholder Support in Other US States

We investigate whether the trend in shareholder voting we observe for female nominees is unique to the state of CA. For instance, Von Meyerinck et al. (2019) show that the announcement of the CA quota had also spill-over effects to other states. They argue that firms in other states also experienced negative announcement returns to the CA quota in anticipation of similar mandates. Indeed, at the end of 2020, Nasdaq announced new listing rules related to board diversity (Nasdaq, 2020). To see whether similar patterns as in CA can be found elsewhere, we analyze voting results for US companies headquartered outside of CA over the same time period (January 2016 until year-end 2020).

We obtain data from the ISS Voting Analytics database, which covers voting outcomes for Russell 3000 firms. As in our main analysis, we only include firms for which voting results are available for the pre- and the post period leading to a sample of 3,812 firms and 39,865 nominees. We match directors with ISS' director database and BoardEx in order to identify gender and the starting date of a director on a company board. A manual search is conducted for directors that cannot be

matched to either database in order to obtain information on their gender. The starting date for those directors is inferred from the earliest recorded election result for the director in the particular company in the ISS Voting Analytics database which tracks voting results since 2003.

In Figure C1, we can see that the relative number of female nominees increased over the last years in other US states as well. However, there is no similarly sharp change in the ratio of female to male nominees as it is the case for CA in 2019 and 2020 (see Figure 2). Next, we repeat our main analysis in Table 4 for all US states excluding CA. The regression results are presented in Table C2. The triple interaction for new female nominees post is also negative (albeit lower in magnitude), meaning that new female nominees lose support post-quota relative to prediction in other US states, too. Furthermore, like in CA, new female nominees are more supported than new male nominees pre-quota, suggesting that women were held to a higher standards by boards in other US states as well. Similarly, after the quota, new female nominees fall to levels closer to new male nominees. (Column (2)). However, as can be seen in Figure C2, changes in the differences of support between new female and new male nominees seem to be driven by changes in support for new male nominees. New male nominees appear to lose support around the time of the quota announcement and regain some of it afterwards. In the case of CA, new female nominees experience a large decline in support at the time of the quota that brings their support closer to the level of new men. The most crucial difference between CA and other US states is that in other states, incumbent male nominees do not experience such a steep decline in support around the time of the quota, as it was the case in CA (Column (3) in Table C2 and Figure C2). Our finding is that the negative stock price reaction to the quota is not related to concerns related to quota-mandated women but to how boards subsequently turn over male incumbent directors. The voting patterns in other US states suggests that male incumbent nominees might not have been turned over in the same way as in CA to add new female nominees. This is in line with the less pronounced negative quota announcement returns observed in other states (Von Meyerinck et al., 2019).

Our narrative is that shareholders do not oppose female directors even when they are mandated by the quota. The observation that female nominees are supported all over the US is in line with our conclusion that shareholders do not oppose the addition of female board members.

Institutional Investor Voting

Institutional investors have strong influence on voting results and stock prices because of the large size of their investments. We want to ensure that these large investors show no opposition towards quota-mandated female nominees. Previous literature identifies heterogeneity in the preferences of mutual fund investors that is reflected in their voting behavior (Matvos and Ostrovsky, 2010; Bubb and Catan, 2018; Bolton et al., 2020). As a result, some funds will have a larger preference for female directors than others. We expect that mutual funds with a high emphasis on diversity in their investment strategy will not oppose female nominees pre or post-quota in elections. In the following analysis, we want to make sure that the group of institutional investors that does not have a built-in preference for women, also shows no opposition towards female nominees post-quota.

Mutual funds with a diversity focus First, we split mutual funds based on their emphasis on diversity in their investment strategy. We obtain individual mutual fund voting results for the time period from January 2016 until September 2019 from the ISS Voting Analytics database.³⁶ These are based on N-PX filings that must be filed by mutual funds and are available through EDGAR. ISS Voting Analytics does not include conventional identifiers for mutual funds. Instead, it provides a link to the original N-PX forms that we use to match with the CRSP and Thomson Reuters Financial databases following the approach described in Moskalev (2019) and Schwartz-Ziv and Wermers (2020). Using this matching procedure, we can allocate individual funds to their fund families and determine the composition of their investment portfolios.³⁷ Next, to understand the mutual funds' investment orientation with respect to diversity, we identify the workforce diversity score of every portfolio company in 2017 using the MSCI ESG KLD database. We calculate a value-weighted average diversity score for every fund family based on their portfolio holdings in 2017. We choose the year 2017 as the latest period before the quota announcement, to avoid any potential influence of the quota on the investment decisions of the mutual funds. Subsequently, we rank the mutual funds based on how strongly their portfolios are tilted towards companies with a diversity focus.

We repeat our main analysis for new female nominees in Table 4 for mutual fund votes only, conditional on the intensity of the mutual funds' diversity focus. In total, there is an overlap for 1,812 elections with the ISS Voting Analytics database and the fund families that we identified in the matching procedure. We calculate support in the same way as in the main analyses after aggregating votes from each mutual fund for each nominee in every election. The analysis is restricted to elections and nominees for which we observe votes from both mutual fund types (top 10 percent and not top 10 percent in terms their diversity orientation

³⁶At the time of the analysis, voting results were only available until September 2019 from ISS Voting Analytics.

³⁷In total, we are able to identify 903 different fund families.

strength).³⁸ The results of the analysis are presented in Table C3. We separately show sub-sample results for mutual funds that are in the top ten percent based on the strength of their diversity orientation (Column (1)) and mutual funds that are below the top ten percent in this ranking (Columns (2)).³⁹ In neither of the two groups do we see evidence of less support for new female nominees than for new male nominees after the quota. In line with our expectations, we find that the voting pattern we observe for new female nominees in our main analysis is driven by the subset of mutual funds that don't have a diversity focus in their portfolio (not in the top ten percent). Nevertheless, even in the subset of mutual fund investors who don't have a built-in preference for women, we observe no opposition towards female nominees post-quota.

The "Big Three" diversity campaigns Gormley et al. (2020) document that the three largest mutual funds ("Big Three"), State Street, Vanguard and Blackrock, advocated an increase in female representation on corporate boards of their portfolio firms in 2017. 40 Because of the preference for female directors of the "Big Three" one may expect that new female nominees will be supported in firms where these investors have a large ownership stake. Therefore, we next want to make sure that post-quota voting outcomes for new female nominees are not worse than voting outcomes for new male nominees in firms that do not have a high ownership concentration by the "Big Three".

We argue that a firm will only have an incentive to respond to a mutual fund's demand if the mutual fund has enough voting power to affect corporate decisions. Similarly, the mutual fund will only be incentivized to monitor a firm if its stake and voting power are sufficiently large. We split our sample based on the percentage of votes in the last quarter proceeding the election controlled by each mutual fund. We compare shareholder support for female nominees in firms where the percentage of votes controlled by a mutual fund is equal or above the mutual fund's overall average percentage of votes controlled.⁴¹ As previously, we focus on the sub-group of new nominees, as this is the group that is affected by the campaigns. We are interested in whether new female nominees are supported in the sub-sample of firms where the "Big Three" have a large ownership stake but not in the remaining

 $^{^{38}}$ Note, that we do not consider how many shares each fund holds and can vote on.

³⁹Our results remain qualitatively the same when we split our sample based on the top 100 firms with respect to the strength of their diversity orientation.

⁴⁰Note that our analysis focuses on violators, firms who have no women on their boards at the time of the quota announcement. These firms were clearly not responding to other initiatives intended to increase gender diversity. The average negative stock price announcement return in response to the quota is also evidence of the event's relevance to shareholders.

⁴¹This results in very low (and thus conservative) thresholds for the required percentage of votes controlled of 1.3% for State Street, 0.1% for Vanguard and 6.6% for BlackRock.

firms. Table C4 in the Appendix reports the results. In neither group we find evidence of opposition towards new female nominees post quota. Thus, we do not see that institutions without a preference for women disapprove of the new female nominees.

Overall, the preceding analysis shows no evidence of a group of large share-holders that support women to a lesser degree than men post quota. Since these large investors potentially have a large influence on stock prices, this substantiates our earlier interpretation that the negative share price reaction to the quota is not due to shareholders' negative attitudes toward new women.

70

Table C1: Characteristics of new female and male nominees up for election pre and post-quota

	New nomi	nee pre-quota	New nominee post-quota		ost-quota Difference			
	Female	Male	Female	Male	Pre	Post		
Characteristic	(1)	(2)	(3)	(4)	(1)-(2)	(3)- (4)	Post-Pre	Erel et al. coefficient
Audit committee	0.412	0.375	0.384	0.342	0.037	0.042	0.005	0.005
Compensation committee	0.342	0.389	0.384	0.311	-0.046	0.073	0.119	-0.005
Total number of unlisted boards sat on	1.191	1.695	1.168	1.932	-0.504	-0.763	-0.259	-0.018
Busy	0.455	0.481	0.400	0.453	-0.025	-0.053	-0.027	-0.004
Generation X	0.296	0.299	0.332	0.366	-0.004	-0.035	-0.031	-0.002
N	257	882	380	453				

This table reports characteristics and differences in characteristics of female (Columns (1) and (3)) and male (Columns (2) and (4)) who were standing for election for the first time (new nominee) before (Columns (1) and (2)) and after (Columns (3) and (4)) the quota announcement (October 2018). All characteristics are based on the time of the Def14A (proxy material) that was submitted to shareholders before the respective election. Audit committee equals one if the nominee is a member of the audit committee. Compensation committee equals one if the nominee is a member of the audit committee. Total number of unlisted boards sat on is the number of boards of private companies that the nominee has served on. Busy equals one if the nominee sits on three or more boards. Generation X equals one if the nominee was born between 1965 and 1980. The source of information is Boardex and Def14a filings. The characteristics are based on Table A.1 in Erel et al. (2021) that reports the most relevant characteristics that predict shareholder support. This table only includes characteristics that would not be absorbed by election fixed effects in our model Erel et al. coefficient is the estimated coefficient in Erel et al. (2021) (Table A.1) for the respective characteristic based on a Lasso model that predicts shareholder support. Note, that these coefficients cannot be interpreted in the same way as OLS coefficients.

Table C2: Support for female nominees: pre- versus post-quota for new and incumbent nominees – Non-CA sample

	(1)	(2)	(3)
Variables	Pooled	New nominees	Incumbent nominees
Female nominee	0.048***	0.098***	0.044***
	(0.007)	(0.018)	(0.007)
Post x Female nominee	0.022**	-0.047	0.019*
	(0.011)	(0.033)	(0.011)
New nominee	0.197***		
	(0.008)		
Female nominee x New nominee	0.013		
	(0.015)		
Post x New nominee	0.108***		
	(0.016)		
Post x Female nominee x New nominee	-0.078***		
	(0.028)		
Election FEs	Yes	Yes	Yes
R-squared	0.684	0.826	0.574
Observations	$111,\!549$	3,493	50,459

Implied differences between female and male nominees

	Pooled	New nominees	Incumbent nominees
Incumbent nominee pre: female - male	0.048***		0.044***
	(0.007)		(0.007)
Incumbent nominee post: female - male	0.070***		0.064***
	(0.009)		(0.009)
New nominee pre: female - male	0.061***	0.098***	
	(0.013)	(0.018)	
New nominee post: female - male	0.005	0.051*	
	(0.022)	(0.028)	

Corresponds to a variant of the regression results reported in Table 4 for the sample of US firms with headquarters outside of CA over the same time period. The sample includes Russell 3000 firms from the ISS Voting Analytics database. The dependent variable (Support) in all OLS regressions is defined as the number of "for" votes divided by the sum of "for," "abstain," "against," and "withhold" votes. We standardize Support by subtracting its sample mean and subsequently dividing it by the sample standard deviation (z-score). Female nominee takes the value of one if the focal nominee standing for election is a woman. Post is a dummy equal to one if the election takes place in October 2018 or later and zero otherwise. New nominee is equal to one if a nominees stands for election for the first time and was appointed to board within one year of the meeting where the election took place. The unit of analysis is an election. Column (1) includes the full sample of nominees. Column (2) includes the sub-sample of new nominees where at least one new female and one new male nominee stand for election. Column (3) includes the sub-sample of incumbent nominees where at least one incumbent female and one incumbent male nominee stand for election. We use election fixed effects in all regressions. The top part of the table presents results from Specification 1. The bottom part of the table presents results from Specification 2. The implied differences between female and male nominees shown in the bottom part of the table for new and incumbent female nominees relative to new and incumbent male nominees respectively can also be calculated from the point estimates in the regression specification 1 shown in the top part of the table. For example, the coefficient γ_3 in Specification 2 of $Post_{i,ct} \times Female_{i,ct} \times New_{i,ct}$ equals $\beta_2 + \beta_5$, i.e., the coefficients on $Female_{i,ct}$ plus $Female_{i,ct} \times New_{i,ct}$, in Specification 1. Robust (White) standard errors in parentheses. *p < 0.10, **p < 0.05, ***p < 0.01.

Table C3: Support for female nominees: preversus post-quota for new and incumbent nominees – Mutual funds with a diversity focus

	(1)	(2)
Variables	Top10%	Other
Female nominee	0.065	0.102*
	(0.041)	(0.056)
Post x Female nominee	0.038	-0.061
	(0.094)	(0.062)
Election FEs	Yes	Yes
R-squared	0.442	0.377
Observations	257	257

Corresponds to a variant of the regression results reported in Table 4 for voting results from mutual fund investors for the period from January 2016 until September 2019. The dependent variable, (Support), considers only votes from mutual fund investors and is defined as the number of "for" votes divided by the sum of "for," "abstain," "against," and "withhold" votes. We standardize Support by subtracting its sample mean and subsequently dividing it by the sample standard deviation (z-score). Top 10% includes the sub-sample of votes for a nominee from mutual fund investors who are ranked in the top ten percent based on the (value-weighted) MSCI ESG KLD ratings in the category Workforce Diversity of their portfolio firms in 2017 (Column (1)). Other includes votes for a nominee from mutual fund investors who are not in the top ten percent based on the MSCI ESG KLD ratings for the category Workforce Diversity of their portfolio firms in 2017 (Column (2)). Only elections and nominees are considered where we observe votes from both types of mutual funds (Top 10% and Other). The fund portfolios are determined on fund family level. Female nominee takes the value of one if the focal nominee standing for election is a woman. Post is a dummy equal to one if the election takes place in October 2018 or later and zero otherwise. New nominee is equal to one if a nominees stands for election for the first time and was appointed to board within one year of the meeting where the election took place. The unit of analysis is an election. Includes only the sub-sample of elections where at least one new female and one new male nominee stand for election. We use election fixed effects in all regressions. Robust (White) Standard errors in parentheses. *p < 0.10, **p < 0.05, ***p < 0.01.

73

Table C4: Support for new female nominees and ownership by the big three mutual funds

		Excluding		Excluding		Excluding		Excluding
Variables	Big3	Big3	State Street	State Street	Vanguard	Vanguard	Blackrock	Blackrock
New female nominee	0.114*	0.148	0.010	0.147*	0.122**	0.119	0.053	0.158*
	(0.059)	(0.267)	(0.060)	(0.084)	(0.060)	(0.162)	(0.092)	(0.094)
Post x New female nominee	-0.018	-0.090	0.086	-0.089	0.004	-0.052	0.041	-0.083
	(0.076)	(0.281)	(0.079)	(0.120)	(0.096)	(0.172)	(0.106)	(0.113)
Election FEs	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
R-squared	0.481	0.699	0.690	0.615	0.502	0.665	0.476	0.645
Observations	409	169	207	371	270	308	192	386

Corresponds to a variant of the regression results reported in Table 4 for the sub-sample of new nominees where at least one new female and one new male nominee stand for election. Sample splits are performed based on the ownership stake (with voting power) of the big three mutual funds State Street, Vanguard and Blackrock. Column (1) corresponds to the sub-sample of firms where either of the big three mutual funds had an average or above average ownership stake in the firm (based on their respective distribution of ownership) in the quarter preceding the election. Columns (2) corresponds to the sub-sample firms that excludes these firms. Columns (3), (5), (7) consider each mutual fund separately and correspond to the sub-samples of firms where either State Street, Vanguard or Blackrock had an average or above average ownership stake in the firm (based on their respective distribution of ownership) in the quarter preceding the election. The dependent variable (Support) in all OLS regressions is defined as the number of "for" votes divided by the sum of "for," "abstain," "against," and "withhold" votes. New female nominee takes the value of one if the focal nominee standing for election is a woman, is standing for election for the first time and was appointed to the board within one year of the election. Post is a dummy equal to one if the election takes place in October 2018 or later and zero otherwise. The unit of analysis is an election. We use election fixed effects in all regressions. Robust (White) standard errors in parentheses. *p < 0.10, **p < 0.05, ***p < 0.01.

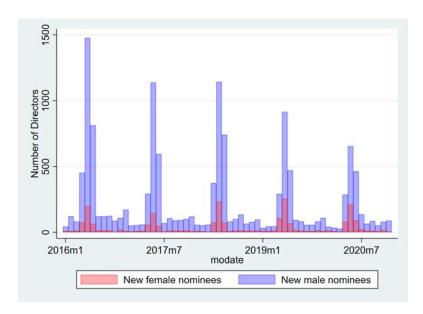


Figure C1: Number of new female and new male board nominees over our sample period in US firms that are headquartered outside of CA. New nominees are nominees who stand for election for the first time and were appointed to a board within one year of the meeting where the election took place. The sample includes Russell 3000 firms from the ISS Voting Analytics database.

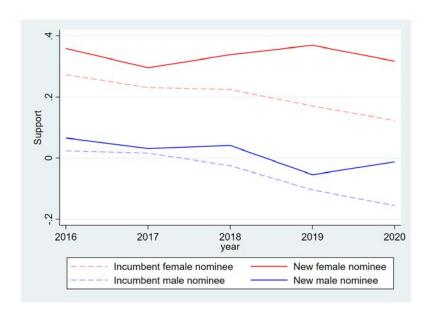


Figure C2: Average yearly support for incumbent and new, male and female nominees standing for election in US firms that are headquartered outside of CA. The sample includes Russell 3000 firms from the ISS Voting Analytics database. Support is defined as the ratio of "for" votes to the sum of "for," "abstain," and "against" votes. It is standardized by subtracting the sample average and subsequently dividing by the sample standard deviation. New nominees are nominees who stand for election for the first time and were appointed to board within one year of the meeting where the election took place.