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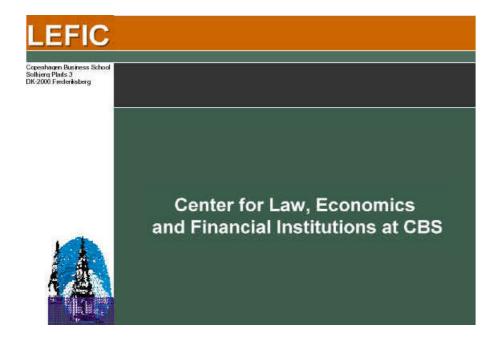












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CONTRACTS AND EXITS IN VENTURE CAPITAL FINANCE*

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CONTRACTS AND EXITS IN VENTURE CAPITAL FINANCE

Abstract

Contracts and exits from a sample of 179 investment rounds in 132 entrepreneurial firms

by 17 European venture capital (VC) funds are analyzed. The data indicate the financial contracts

are quite heterogeneous in terms of both the cash flow and control rights. The use of different

securities by European VC funds does not depend on the definition of venture capital, and the

securities used are not functional equivalents. A normative empirical analysis of exit shows the

likelihood of different types of exit vehicles (IPO, acquisition, and liquidation) and the returns to

venture capital depend on not only firm specific characteristics but also the allocation of cash

flow and control rights.

Keywords: Venture Capital, Financial Contracting, Exit, IPO, Acquisition

JEL Classification: G24, G28, G31, G32, G35

I. INTRODUCTION

Venture capital¹ contracts are heterogeneous: there exist differences across contracts in the selected securities, control rights, veto rights, provisions for different contingencies, among other things, depending on the characteristics of the transacting parties. Venture capital exit decisions are also heterogeneous: a disposition may involve an initial public offering (IPO), or an acquisition (i.e., a trade sale, where both the entrepreneur and venture capitalist sell their interest), and venture capital contracts typically specify which party has control over the exit decision.²

It is widely recognized that a venture capitalist's decision to invest in an entrepreneurial firm is based on exit potential. While previous research in venture capital has identified international differences in financial contracts and international differences in exit strategies, the precise interaction between these two activities has not been empirically studied. This paper introduces a new European venture capital dataset to provide new insights into the ways in which contracting and exit are interrelated. This paper provides a positive empirical analysis of the types of contracts used by venture capitalists, and a normative empirical analysis of the resulting exit process associated with different contracts and different types of entrepreneurial investments.

In the first of the two main parts of this paper, a positive analysis of functional differences in financial contracts is provided. We expand the scope of evidence on securities used in venture capital finance. While venture capitalists in the United States almost always use convertible preferred equity to finance entrepreneurial firms, venture capitalists in every other country (at least those where data are available) use a variety of forms of finance (see section II below for details). In the European venture capital data herein, we observe common equity used most frequently, but there are a wide variety of securities used in venture capital transactions. We relate the use of different securities to the type of entrepreneurial firm (e.g., stage of development, industry), board seats, specific contingencies, veto rights and other control rights. Previous research has not considered the allocation of control rights when securities other than convertible preferred equity are used.

The second of the two main parts of this paper provides a normative analysis of the performance of the different investments – in terms of the selected exit vehicle (IPO, acquisition, write-off³) and the IRR. This part of the analysis is based on previous research on venture capital exits (MacIntosh, 1997; Black and Gilson, 1998; Cumming and MacIntosh, 2003;

Schweinbacher, 2001; Smith, 2001; Fleming, 2002). We extend previous research by considering, among other things, how control rights and cash flow rights among different securities affects the selection of the exit vehicle. Our data are the first European dataset that enables and investment-by-investment analysis of the selected exit vehicle,⁴ and the first dataset (anywhere) that enables a normative analysis of which financial structure is 'best' in venture capital finance.

This paper analyzes a hand-collected dataset involving 179 investment rounds in 132 entrepreneurial firms from 17 European venture capital funds. Coincidentally, the data are quite similar in scope to other hand-collected datasets in academic venture capital research. For example, Kaplan and Strömberg (2002) analyze 213 investment rounds in 119 portfolio companies by 14 U.S. venture capital funds. Papers by Gompers (1997) and Hellmann and Puri (2000, 2001) also use data of similar scope.

In a nutshell, the data herein indicate the following. First, different securities are not functional equivalents in venture capital contracts. That contracts other than convertible preferred equity are used is not dependent on the definition of venture capital. Second, the allocation of control rights, board seats, etc., depends on the allocation of cash flow rights through the use of different securities. Third, the selected exit vehicle and the returns to venture capital significantly depend on the allocation of cash flow and control rights in specific venture capitalist investments. The results are interpreted within the institutional context from which the data are derived, and suggest avenues for further theoretical and empirical research.

This paper is organized as follows. Section II outlines previous research. The data are described in section III. Section IV considers the determinants of contractual terms. Section V evaluates the performance of the investments under different contracts, and the likelihood of different exit outcomes. Limitations are discussed in section VI, and avenues for future theoretical and empirical research are discussed. Concluding remarks follow.

II. PREVIOUS RESEARCH

Our research is based on a number of earlier papers that have provided the foundation for understanding venture capital (VC) investing and exit decisions. Previous VC contracting and exit papers may be categorized into seven groups:⁵

- (1) Empirical research based on U.S. data indicating the prevalent use of convertible preferred equity, staging, syndication, and various control rights, etc. (Sahlman, 1990; Lerner, 1994; Gompers, 1995, 1997; Bergmann and Hege, 1998; Gompers and Lerner, 1999; Kaplan and Strömberg, 2002);
- (2) Theoretical research explaining the optimality of convertible preferred equity in venture capital based on the U.S. evidence, and the allocation of various control rights (Sahlman, 1990; Chan, *et al.*, 1990; Berglöf, 1994; Cornelli and Yosha, 1997; Hellmann, 1998; Marx, 1998; Trester, 1998; Bergmann and Hege, 1998; Repullo and Suarez, 1998; Bascha and Walz, 2001a; Kirilenko, 2001; Schmidt, 2001; among others);
- (3) Research indicating the role of U.S. tax law in biasing the selected security in the U.S. towards convertible preferred equity for U.S. entrepreneurial firms (Gilson and Schizer, 2001), but not in other jurisdictions such as Canada (Sandler, 2001);
- (4) Empirical research showing the use of a variety of different securities in jurisdictions other than the United States, including Canada (Cumming, 2000), Germany (Bascha and Walz, 2001b), Finland (Parhankangas and Smith, 2000), Taiwan (Songtao, 2000), Australia (Australian Bureau of Statistics, 2000), as well as in cases of crossborder U.S. VC investments in Canadian entrepreneurial firms (Cumming, 2001), and for different types of venture capital funds (not only limited partnerships, but also corporate VCs, government VCs, etc.; Cumming, 2000);⁶
- (5) Theoretical research on the optimality of convertible preferred equity in ensuring an efficient exit (Berglöf, 1994; Black and Gilson, 1998; Bascha and Walz, 2001; Hellmann, 2001; Smith, 2001; Schweinbacher, 2001);
- (6) Empirical research examining the performance of venture-backed IPOs (Barry et al., 1990; Megginson and Weiss, 1991, Lin and Smith, 1997; Gompers and Lerner, 1999; Ljungqvist, 1999; Franzke, 2001; among others);
- (7) Empirical research examining the complete choice of different venture capital exit vehicles (IPOs, acquisitions, secondary sales, buybacks, and write-offs) based on the characteristics of the entrepreneurial firms and venture capital funds (MacIntosh, 1997; Black and Gilson, 1998; Cumming and MacIntosh, 2003; Schweinbacher, 2002; Flemming, 2002), and related empirical research explaining the risk and return to venture capital (Cochrane, 2001; Smith and Smith, 2000; Manignart et al., 2000).

Previous venture capital research has not considered the allocation of control rights when securities other than convertible preferred equity are employed. In addition, previous research has not fully analyzed which types of investments and contracts typically lead to 'superior' results, in terms of the selected exit vehicle as well as the internal rate of return (IRR). The following sections provide an analysis of a new dataset that shed light on these issues, and suggest avenues for further research.

III. DATA

A. Description of the Data

We consider the contracts and exits from a hand-collected sample of 17 European venture capital funds. The data comprise 179 investment rounds in 132 entrepreneurial firms (portfolio size ranges from 2 – 20 entrepreneurial firms per fund). The VC funds are based in Austria (1 fund), Belgium (1), Czech Republic (1), Denmark (1), France (1), Germany (4), Italy (2), Poland (1), Switzerland (1) and The Netherlands (4). As with U.S.-based research with data of similar scope (Gompers, 1997; Kaplan and Strömberg, 2002), as well as European research (Maginart *et al.*, 2000; Schweinbacher, 2002), the funds were selected based on their willingness to disclose very detailed confidential information about their contracts and exits. We interpret the results from this sample of funds within the institutional context.

Thirty-three actual exits and 38 expected exits are observed in the data: 10 actual IPOs; 13 actual acquisitions; 10 actual write-offs; 12 expected IPOs; 25 expected acquisitions; and 1 expected write-down of the book value of an investment (which is analogous to a partial write-off; see Cumming and MacIntosh, 2002). The data do not appear to be driven towards the most successful or 'best' investments. The frequency of dispositions is similar to related papers on VC exits (Cumming and MacIntosh, 2003; Cochrane, 2001; Schweinbacher, 2002). That most of the investments (99 of the 132) have not been exited indicates that the data are based on recent transactions as from the date of data collection (November 2001 – February 2002). This is not surprising, given the data collection was facilitated via the use of surveys and numerous interviews with VC fund managers.

For reasons of confidentiality, the data are not presented by individual venture capital fund. Nevertheless, the results are not attributable to the presence of any fund, group of funds, and/or type of fund in the data. For example, most every fund in the sample uses a variety of forms of finance (there were two exceptions: 1 fund used mostly convertible preferred equity, and one fund used mostly common equity). As well, most of the regression analyses below incorporate fixed effect VC fund dummy variables. Note that an alternative (and nearly equivalent) specification for the regressions in each of the tables is with location dummy variables (i.e., institutional and legal differences across the countries in the data). These regressions yielded nearly identical results (and are available upon request). In addition, note that

the presence of buyout investments in the data does not materially change any of the main results (the tables without buyouts are available upon request).

The data on the types of contracts selected are summarized in Tables 1a – 1f. The data are presented by entrepreneurial firm (with the one exception in Table 1a, where the number of financing rounds are reported in column 4). The types of securities used are broken down into four main categories: common equity, convertible preferred equity, mixes of common and preferred equity, and mixes of debt with common equity. As well, the (rare) cases in which syndicated VCs used different financing instruments are reported (see Schindele, 2002, for a theoretical analysis). Consistent with research from outside the U.S. – see Bascha and Walz (2001), Cumming (2000), Smith and Parhankangas (2001), Songtao (2001), etc. – common equity is used most frequently by venture capitalists, but a variety of forms of finance are observed.

[Tables 1a – 1f About Here]

Table 1a summarizes the data by the number of cases in which the respondent VC fund was the lead investor, the number of syndicated investments and financing rounds, and the number of VC board seats. We do not observe many financing rounds, nor do we observe significant variation among the financing rounds in this dataset (see Gompers, 1997, and Kaplan and Strömberg, 2002, for greater variation across financing rounds in the U.S.). All the data and regressions in this paper are therefore presented by the 132 entrepreneurial firms, and not by the 179 investment rounds.

Table 1b indicates the stages of development of the entrepreneurial firms in the sample, as well as the industries. The investment stages are commonly used by the European Venture Capital Association (www.evca.com), as well as in the United States (www.vfinance.com, www.vfinance.com, www.vfinance.com), Canada (www.vfinance.com) and other countries.

Table 1c relates the selected forms of finance to exits (both actual and expected). The relations between these variables are considered in more detail in the subsequent sections.

Tables 1d – 1f report the data relating the securities to the specific contractual contingencies (see Appendix A for examples), veto rights and various control rights (see Appendix B for examples). Categories of particular contractual contingencies are based on those

reported by Kaplan and Strömberg (2002) in the U.S., as similar contingencies are found in the European VC data: financial, non-financial, certain actions, and sale of equity (see Appendix A). The European data distinguish between contingencies designed to for motivate the entrepreneur from contingencies designed to motivate the venture capitalist or syndicated investors.

Table 2a indicates the frequency of exits by firm characteristics, and Table 2b indicates the frequency of exits by control rights. Average IRRs are slightly higher for actual acquisitions than actual IPOs (and the reverse is true for expected exits), but these differences in means are not statistically significant (t-statistics for differences in average IRRs for actual and expected IPOs and acquisitions were less than 1.0).

[Tables 2a and 2b About Here]

An interesting feature of the data is the presence of a greater number of reported expected acquisitions. Many VC fund managers did not expect the IPO market to be 'strong enough' over the coming months, up to year 2004. 'Preplanned' was given as the primary reason for exit in most cases (46). There were also 4 unsolicited offers, 12 exits for reasons of market conditions, 7 internal conflicts giving rise to write-offs, 2 exits for fundraising reasons, and 1 exit inspired by fund termination. The respondent VC controlled the exit in most (52) cases. Conflicts regarding the exit process were rare: 8 surrounded the timing of the exit, and 1 was regarding valuation. It is noteworthy, however, that 5 of the 10 actual IPOs involved a conflict about the timing of the exit, and 1 actual IPO involved a conflict about the valuation.

B. Are Different Securities in VC Contracts Functionally Equivalent? Univariate Tests

Theoretical research has offered many explanations for the financial structure of U.S. VC-backed entrepreneurial firms: U.S. VCs finance U.S. entrepreneurial firms with the use of convertible preferred equity. As explained by Gilson and Schizer (2002), there are at least four limiting aspects of this theoretical research. First, the formal attributes of convertible preferred equity, such as liquidation and dividend preference, are insubstantial in practice because failed entrepreneurial ventures typically do not have assets for distribution to VCs. Second, the theories cannot explain the use of convertible preferred equity in particular, rather than financial contracts that are functionally equivalent. Third, Gilson and Schizer explain the fact that some theories are unlikely to operate as modeled, such as the allocation of control between

entrepreneurs and venture capitalists in exit. Fourth, existing models cannot explain the fact that VCs in different countries use a variety of forms of finance. Even sophisticated U.S. VCs use different forms of finance when they invest in entrepreneurial firms located in different countries, such as Canada (Cumming, 2002). Gilson and Schizer (2002) explain that the prevalent use of convertible preferred equity for U.S. venture backed firms is primarily related to the fact that U.S. tax practice enables more favorable entrepreneurial incentive compensation.

If U.S. tax law colors the selected form of finance for venture-backed firms in the U.S., then it is important to test financial contracting theories using data from entrepreneurial firms in countries *other than* the U.S. for at least three reasons. First, with U.S. data, it is not directly possible to ascertain whether convertible preferred equity is optimal in the absence of a tax bias favoring the use of such securities. Second, it is not possible to test the relationship between different forms of finance and various control rights if tax laws exogenously determine the selected security. Third, it is not possible to ascertain whether the use of different securities is related to differences in exit strategies.

Table 3a summarizes the data by providing statistical tests for the significance of the correlation coefficients between the securities and various other variables (actually, the reported significance test is the Chi-squared for the cross-tabulations; see Greene, 1998, p.245).

[Table 3a About Here]

Importantly, Table 3a indicates that the use of specific contingencies is complementary to the financing instrument. Contingencies are statistically more likely to be used for both the VC and the entrepreneur when convertible preferred equity is the selected financing instrument. When common equity is selected, contingencies are statistically less likely to be employed. When mixes of debt and common equity are used, or mixes of preferred equity and common equity are used, there is no statistical relationship to the use of specific contingencies.

The use of veto rights is statistically negatively related to the use of common equity, and statistically positively related to the use of convertible preferred equity. Veto rights are also statistically positively related to mixes of preferred and common, but statistically independent of debt and common equity.

Similar to the relation between veto rights and security choice is the relation between other control rights and security choice. VCs typically have fewer control rights with common equity, and more control rights when mixes of preferred and common are used. When convertible preferred equity is used, VCs are less likely to have the right to replace the CEO and have redemption rights, but more likely to have information rights and the right of first refusal in sale of the firm as well as protection rights against new issues. Most of the specific control rights are independent of the security choice when mixes of debt and common equity are used.

VCs obtain statistically smaller ownership percentages when convertible preferred equity is the selected financing instrument, and statistically greater ownership percentages when mixes of preferred and common are used. The univariate tests reveal no statistical relation between ownership percentage and the use of common equity or mixes of debt and common equity.

VCs are statistically more likely to obtain a majority of the board seats when mixes of debt and common equity are used. Obtaining a majority of the board is unrelated to the other types of securities in the univariate tests.

Convertible preferred equity is more likely to be used with seed and early stage investments, and with firms in the Internet/communications sectors. Common equity is used more often for expansion stage investments and firms in the medical/biotech industries.

In sum, different securities are functionally distinct. Specific contractual terms are not used so that different securities may mimic one another. That is, the specific terms appear to be complements with the security choice. Why? Many VCs indicated that the particular deals with simple payoff structures (common equity) are typically associated with few contractual provisions (such as veto rights and other specific control rights) because the important distinguishing aspect of the deal is in its simplicity. Lead investors often 'shy away' from complicated structures that do not facilitate room for negotiation with potentially new syndicated outside investors (see Lerner, 1994, on the relation between lead and follow-on investors). Moreover, entrepreneurs are often dissuaded by excessively complicated financing arrangements (see Black and Gilson, 1998, on 'implicit' contracts in venture capital, and subsection III.C below). Low IRRs have in some cases been attributed to excessively complicated deal structures.

C. Are Different Contracts Related to Different Exit Vehicles? Univariate Tests

Similar to Table 3a, Table 3b summarizes the data by providing statistical tests for the significance of the correlation coefficients between the different exit vehicles and various other variables (as mentioned above, the reported significance test is the Chi-squared for the cross-tabulations; see Greene, 1998, p.245).

[Table 3b About Here]

Table 3b indicates two main findings. First, the use of common equity is more often related to IPO exits, and less often to acquisitions. Second, the use of specific control rights and veto rights (which are related to convertibles; see Table 3a) are more often associated with acquisition exits, not IPOs. This supports Black and Gilson's (1998) implicit contracting theory. Black and Gilson argue that there is often an implicit contract between VCs and entrepreneurs to transfer control back to the entrepreneur upon an IPO exit (which is in the interest of the entrepreneur). IPOs are observed with greater frequency when there are not many explicit covenants in the form of veto rights and control rights. In contrast, when many explicit covenants are used, acquisitions are the more common outcome.

In the subsections below, we consider in a multivariate framework the allocation of various control rights and choice of security (section IV). We also consider the likelihood of different exits based on the type of firm and type of contract in a multivariate setting (section V).

IV. WHAT DETERMINES THE SECURITY, VC OWNERSHIP %, BOARD SEATS, VETO & CONTROL RIGHTS? MULTIVARIATE ANALYSIS

A. Sequence of Decisions

Interviews with many European venture capital fund managers indicated the following typical sequence of events in designing venture capital contracts. First, the required rate of return is determined to make the investment worthwhile (depending on firm characteristics – technology, development stage, etc.). This involves selecting a security that will provide the payoff to fit with the risk and required return. It is noteworthy that VC funds typically do not care about the downside. Similarly, Gilson and Schizer (2002) note that VCs rarely care about bankruptcy proceedings because the few assets remaining in a bankrupt VC investment are

typically absent of any meaningful value. Second, ownership percentages and board seats are allocated, subject to the selected security. Third, over a negotiation period (typically a few months, and longer in poor economic conditions), specific control rights are allocated depending on the ownership structure and security to make sure both parties are 'happy' and the deal proceeds forward.

The multivariate regression equations below are based on this sequence of decisions. An issue that arises is in the joint determination of some of the variables in the various tables (but the main results are robust to alternative specifications; alternatives are available upon request). Table 4 provides correlation coefficients across many of the variables used in the various regressions. There are only a few significant correlation coefficients. Nevertheless, the results are not biased by collinearity between the explanatory variables, or by problems of endogeneity, etc. Given the large number of tables presented, additional tables with supporting robustness checks are not provided (but are available upon request). While most regressions employ fixed effects for different VC funds, the results are fairly robust to the simpler alternative specification of using a constant without fixed effects. In all regressions, White's HCCME is used.

[Table 4 About Here]

B. What Determines the Selected Security?

Cumming (2000) (with Canadian VC data) and Bascha and Walz (2001) (with German VC data) have considered determinants of the form of finance based on the characteristics of the entrepreneurial firm receiving financing. Our analysis is similar. Table 5 provides binomial logit (Table 5a) and multinomial logit (Theil, 1969) (Table 5b) regressions of the determinants of the selected security based on the development stage of the entrepreneurial firm (late, turnaround and buyout stages are suppressed to avoid collinerity problems), the amount invested (book value), whether the VC was the lead investor, the number of syndicated partners, whether there was a preplanned IPO or acquisition, and the industry in which the entrepreneurial firm operates (medical/biotech, electronics/computer, and communications/Internet¹⁰).

[Tables 5a and 5b About Here]

The binomial and multinomial logit specifications yield quite robust results. The coefficients for the seed, early and expansion dummy variables indicate that convertible preferred equity securities are most likely. This is consistent with most academic venture capital research indicating convertible preferred equity is the optimal security (see, e.g., Sahlman, 1990; Cornelli and Yosha, 1997; Gompers, 1997; Kaplan and Strömberg, 2002).

The binomial logit estimates indicate (at the 1% level of significance) that lead investors are less likely to use convertible preferred equity. Some European lead investors indicated they often do not use complicated financing structures in order to facilitate negotiation with potentially new syndicated outside investors.

There are other characteristics of the entrepreneurial firm, as well as characteristics of the investor(s) that may affect the selected form of finance. However, in the multinomial logit setting, the variables other than the stage of development variables are generally insignificant (see Cumming, 2000, and Bascha and Walz, 2001, for contrasting evidence).

The predictive power of the regression models is indicated at the bottom of the tables. The match between actual and predicted outcomes is fairly strong, but not perfect. Other less-visible factors may play a role (e.g., a behavioral finance type variable such as 'a need for simplicity', and other entrepreneur firm variables could be used, based on interviews with VCs).

C. What Determines VC Ownership Percentage and the Percentage of VC Board Seats?

Table 6 presents regressions for the determinants of VC ownership percentage. Three binomial logit regressions are provided for the following left-hand side variable: (model 1) respondent VC ownership >50%, (model 2) respondent + syndicated VC ownership >50%, and (model 3) contingent VC equity ownership (specific clauses aside from the security itself giving the investor more equity in cases of poor performance of the entrepreneurial firm). As well, two OLS regressions are provided for (model 4) the respondent VC's ownership percentage and (model 5) the sum of the respondent VC and the syndicated VCs' ownership percentage. 12

[Table 6 About Here]

The regression results indicate contingent VC equity ownership (model 3) is significantly less likely for seed and early stage firms. Firms in these early development stages typically do not have positive cash flows; therefore, contracts allocating equity contingent on performance are not as feasible. There is evidence that seed investments give the VC a large equity % (models 1 and 5), possibly to compensate the investor for the risks associated with such early stage investments. In contrast, expansion stage investments are more typically associated with lower a VC ownership % (models 1, 2, 4 and 5).

There is evidence that larger VC investments increase VC ownership %, as would be expected (see, e.g., Noe and Rebello, 1996, Propositions 3 and 4), but this result is only significant in model 2. Similarly, the greater the number of syndicated investors, the smaller the equity ownership of each VC (model 1 and 4).

Contracts with contingent equity allocations are complementary to the security: they are used with convertible preferred equity (model 3). Larger VC equity ownership % is associated with contracts involving mixes of debt and common equity (models 4 and 5).

VCs take a majority ownership % when they are preplanning an acquisition exit (model 1). This is consistent with Black and Gilson (1998). Black and Gilson argue that entrepreneurs prefer IPO exits insofar as the entrepreneurial team regains control over the firm upon an IPO exit (acquisitions transfer control to the acquiror).

Industry dummy variables indicate tech entrepreneurial firms – particularly those in the Internet/communications industries – are less likely to involve majority VC equity ownership (models 1 and 2).

Similar to Table 6, Table 7 presents 5 regressions for the determinants of VC board seats. The results are quite consistent with those in Table 6.

[Table 7 About Here]

VCs typically do not take a majority of the board for seed, early and expansion stage investments. However, the greater the VC ownership %, the VC will take a larger % of the board seats, and will more often control the board.

As with contingent equity ownership %, contracts involving contingent board seats in cases of poor performance are used for expansion stage investments, but not seed and early stage investments. Again, as with contingent equity ownership %, contingent board seats complement the security: convertible preferred equity, not common equity or mixes of debt and common equity. It is also noteworthy that VCs typically take fewer board seats when convertible preferred equity is used.

The evidence indicates that for investments in which exit is preplanned (both preplanned IPOs and preplanned acquisitions), VCs take relatively fewer board seats. While this may be somewhat surprising, as discussed below, VCs can control the exit decision in other ways (i.e., independently allocate control over exit).

Investments in high-tech industries also appear to typically involve fewer VC board seats. We may have expected greater VC board representation among firms in industries where assets are typically intangible and more monitoring is required. Nevertheless, contingent VC board seats are more likely for the high-tech firms (at least those in the biotech/medical industries).

D. What Determines the use of Contractual Contingencies?

Table 8 presents logit regressions for the determinants of contractual contingencies that are designed to provide effort incentives to the entrepreneur and/or the venture capitalist (specific contractual terms not directly part of the financing instrument; see Appendix A).

[Table 8 About Here]

Interestingly, VCs are less likely to use self-motivating contractual terms when they act in the capacity of lead investor. Based on conversations with venture capitalists, the reason is simple: it is more difficult to develop syndication relationships with outside investors when such clauses are part of the lead investor's contract with the entrepreneur.

When VCs take a majority stake in the firm, incentive clauses are used significantly less frequently. Similarly, there is some evidence that incentive clauses for the entrepreneur are less

likely (specifically clauses pertaining to non-financial performance and certain actions) when the VC provides more capital.

Consistent with contingent board seat allocation (see subsection IV.C.), the use of specific contingent incentive clauses for both venture capitalists and entrepreneurs appears to be complementary with the particular security: they are used more frequently with convertible preferred equity, and less frequently with common equity. As discussed in section III, this is further evidence that different securities are not functionally equivalent.

Contingent clauses for entrepreneurs are used more frequently in medical/biotech industries. Interviews with VC fund managers revealed that entrepreneurs in the industries are necessarily provided with specific incentives to obtain patents, and achieve other milestones.

Finally, the evidence indicates preplanned exits involve contingencies for both the entrepreneur and the venture capitalist so that both have incentives to ensure that exit objectives are fulfilled.

E. When Do VCs Use Veto Rights?

Table 9 presents logit estimates for the determinants of veto rights over asset sales, asset purchases, changes in control and other decisions.

[Table 9 About Here]

Veto rights are most often used in the seed stage of development, and are less common in the early and expansion stages. This reflects the difficulty that venture capitalists face in terms of widely recognized agency problems, such as risk shifting, etc., among very young firms where the direction of the firm is highly variable. Lead investors are also more likely to use veto rights.

As with the evidence in the previous subsections, the use of veto rights is complementary to the security choice. Veto rights are more common with convertible securities. Therefore, for example, while convertibles mitigate risk-shifting agency problems (Green, 1984), they are used in conjunction with veto rights. Veto rights are less likely to be used with other securities.

Similarly, when the VC has board control, veto rights are more likely for decisions over asset sales. This further supports the view that contractual terms are complementary, and not substitutes.

In this sample, veto rights are more frequently used in biotech/medical and computer/electronics industries.

F. How Are Control Rights Allocated when Capital Structure is Flexible?

Logit regressions for the determinants of specific control rights (see Appendix B for examples) are presented in Table 10.

[Table 10 About Here]

Accounting for other firm characteristics (discussed below), the early development stage firms (seed, early and expansion stages) are statistically less likely to be financed under most of these control rights.

Lead investors typically require most of the control rights (with the exception of automatic conversion upon IPO).

VC funds that hold a majority of the board seats also hold a specific contractual right to replace the CEO. Common equity contracts typically involve few specific control rights. Both of these results provide further support for the view that VC contractual terms are complementary.

Convertible preferred equity contracts typically also involve the right of first refusal in sale, as well as demand registration rights and piggyback registration rights. Consistent with Berglöf (1994), this indicates that convertible preferred equity mitigates trilateral bargaining problems associated with the sale of the firm, ¹³ and the particular associated contractual terms to mitigate this trilateral bargaining problem are complements with the selected security. Convertible preferred equity is not statistically related to the use of other control rights.

Control rights are more common among medical/biotech and computer/electronic firms than Internet/communications firms in the sample.

Interestingly, control rights are used much more frequently when there is a preplanned acquisition as opposed to a preplanned IPO. Consistent with Black and Gilson (1998), entrepreneurs typically prefer IPO exits so that they may regain control over the firm upon VC exit. When acquisitions are planned, VCs typically put in place a greater number of contractual mechanisms to effect an acquisition exit.

The following section considers the normative implications of financing different entrepreneurial firms with different contracts.

V. HOW WELL DO INVESTMENTS PERFORM UNDER ALTERNATIVE CONTRACTS? MULTIVARIATE ANALYSIS

In the preceding section we presented statistics and regressions for determinants of contract choice. In this section our attention is focused on the implications associated with the use of different contractual terms. Two questions arise. First, how is the exit vehicle affected by the specific contractual terms, controlling for other firm characteristics? Second, do different contracts affect IRRs given the other firm characteristics?

We caution that only 33 of the 132 portfolio companies in the sample have been exited. The actual exits span the period from 1997 - 2001. We control for exits for reasons of 'market conditions'. There are also 38 expected exits, up to year 2004. While many statistically significant results are obtainable from the sample, the data also suggest avenues for further normative research.

A. Choice of Exit Vehicle

Table 11 presents regressions for the determinants of exit choice (both actual and expected¹⁴). Fixed effect dummies are used to control for differences between actual and expected exits in some of the specifications to illustrate robustness. Degrees of freedom do not permit inclusion of every specific contractual clause in the regressions; therefore, variables that aggregate the number of contingencies (subsection IV.D; Appendix A), veto rights (subsection IV.E), and control rights (subsection IV.F; Appendix B) are employed.

The evidence indicates that IPOs are more likely when common equity is used, and when there are a greater number of incentive contingencies in contracts. There has been theoretical research connecting convertible securities to exit strategies (e.g., Berglöf, 1994; Bascha and Walz, 2001; Hellmann, 2001). Because VCs outside the U.S. most often use forms of finance other than convertible preferred equity (or functional equivalents), future theoretical research relating alternative forms of finance and specific contractual clauses to the exit strategy would be fruitful. Because the evidence herein is suggestive that specific control and veto rights with convertibles securities are less frequently associated with IPOs, it is supportive of Black and Gilson's (1998) implicit contracting theory of control transfer back to entrepreneurs upon IPO. VC control rights are used to effect acquisitions.

Market conditions also significantly increase the likelihood of an IPO exit. IPOs are also more likely when there are a greater number of syndicated VC investors. This evidence supports related research. Gompers and Lerner (1999) show U.S. VCs are particularly skilled at timing the IPO market, and VC syndicates facilitate certification of entrepreneurial firm quality upon IPO (and possibly enable the VCs to collude and overstate entrepreneurial firm value upon exit).

Table 11 indicates that write-offs occur after the shortest investment duration: bad information is revealed quickly (this is consistent with Cumming and MacIntosh, 2002). The duration of investment does not impact upon the decision of an IPO versus an acquisition. Firms with the lowest market/book ratios obviously are written off, but there is no evidence that market/book differences affect the likelihood of an IPO or acquisition in this dataset.¹⁶

When entrepreneurs control the exit decision, IPOs are more likely, and write-offs are less likely. Again, this is consistent with Black and Gilson's view that entrepreneurs prefer IPOs to regain control over the firm. It is also consistent with Petty *et al.*'s (1999) case studies on entrepreneur's attachment to their firms – their reluctance to sell the firm in an acquisition, and their reluctance to write-off their companies.

B. Determinants of IRR

Cochrane (2001, page 2) recognizes some distinguishing features of venture capital investing: poor liquidity, poor diversification, and information and monitoring. Gompers and

Lerner (1999) have extensively analyzed these aspects of venture capital investing. Cochrane, however, also states (page 2): "On the other hand, venture capital is a competitive business with free entry... Many venture capital firms are large enough to effectively diversify their portfolios. The special relationship, information and monitoring stories suggest a restricted supply of venture capital may be overblown. Private equity may be just like public equity." Cochrane therefore bases the measure of risk and return of venture capital on the Capital Asset Pricing Model (CAPM). The distinguishing feature of Cochrane's paper is the use of selection effects associated with the different exit vehicles.¹⁷

A useful lecture prepared by Giorgio Szegö (2001) provides some guidance as to the applicability of the CAPM to the context of venture capital. Szegö (at page 3) stresses that "[i]f the joint distribution function of the n returns of a portfolio is elliptical, then and only then the Markowitz-Sharpe mean-variance-ß can be used." It is noteworthy that t-distributions are elliptical, and normal distributions are spherical (a special case of an ellipsoid), but it is highly unlikely that the returns to venture capital are elliptical. The returns to venture capital are multimodal (MacIntosh, 1997; 1999; Cumming and MacIntosh, 2002, 2003; Smith and Smith, 2000; Cochrane, 2001): there is a high percentage (typically around 25% of all investments) of write-offs (-100% return), many investments generate a "good" annualized return of between 25-100%, and the lions-share of venture capital profits comes from a few very successful "homerun" investments with returns of more than 500%.

We therefore do not use a market model to explain returns. Most venture capital funds are not well diversified (the funds in this sample had between 2 and 20 investments in their portfolios); see also Kanniainen and Keuschnigg (2001a,b). The view taken here is that returns primarily depend on the characteristics of the investee and the nature of the contracts employed.¹⁸

Table 12 presents multivariate regressions for the determinants of IRRs for both the actual and expected exits together, as well as the actual exits separately. (IRRs for expected exits were calculated on the basis of market values of the investees as at September 2001.) While a large number of variables are included, the results are quite robust to the inclusion/exclusion of other variables (details are available upon request). The results with a fairly complete set of variables under 4 alternative specifications are discussed below. It is noteworthy that the predictive power of the model is strong: for the actual exits the adjusted R² is greater than 85%.

[Table 12 About Here]

Table 12 indicates IPOs and acquisitions (naturally) give rise to higher returns (a dummy for write-offs was suppressed to avoid collinearity). The difference between the IPO and acquisition coefficient values was not statistically significant.

Higher VC ownership percentages also increased the IRRs to the VCs in the subsample of actual exits (Table 12), and medical/biotech and Internet/communications industries had significantly higher IRRs in the sample.

The variable for market conditions in Table 12 is negative and significant, because market conditions sometimes gave rise to write-offs in this sample. Earlier stage investments also yielded lower IRRs, due to the write-offs in the sample from those investment stages.

The use of convertible preferred equity, and mixes of common equity and debt give rise to lower IRRs in this sample. Common equity, on the other hand, does not lower IRRs. The results are suggestive that simple financial structures 'work well'. Further empirical research is warranted.

VI. LIMITATIONS AND FUTURE RESEARCH

The degrees of freedom do not permit inclusion of every specific contractual clause in the regressions in Table 11 and 12. Therefore, variables that aggregate the number of contingencies (subsection IV.D), veto rights (subsection IV.E), and control rights (subsection IV.F) are employed. IRRs were higher when VCs had a greater number of veto rights, but lower when contracts contained a greater number of control rights. Again, these results are suggestive of the value of particular clauses in VC contracts, but the limitations of the data (particularly the aggregation of clauses of similar type due to the limitation in degrees of freedom) give rise to a need for further research. As well, while we have used dummies for investor effects (or equivalently, country effects), further research on the impact of laws and institutions on contract structure and exit choice would be worthwhile (see also Black and Gilson, 1998).

It is noteworthy that the VC funds in this dataset typically do not serve on boards of directors of entrepreneurial firms after 1 year of the exit date. (There were 2 exceptions for the

IPO exits – one actual IPO and one expected IPO – and in the expected exit, it was the syndicated VC that was expected to remain on the board). Similarly, VC funds maintained an ownership interest in the entrepreneurial firm for more than one year after exit in only three exits (two of these cases overlapped with the two cases of VC board representation for more than 1 year after exit).

Three of the acquisition exits in this sample involved some exchange of shares (instead of complete payment in cash). Share consideration in acquisition exits is analogous to a partial acquisition (Cumming and MacIntosh, 2002). The three cases were not materially different from the other acquisitions in this sample. Further research with additional European data would be worthwhile.

Finally, further research on the long-term performance of European VC IPO and acquisition exits depending on the role of the VC fund(s) pre- and post-exit, and on the nature of financial contracts between entrepreneurs and VCs and would be fruitful (see Gompers and Lerner, 1999, 2001, 2002, for related U.S.-based VC research).

VII. CONCLUSION

The empirical evidence provided in this paper adds to the understanding of venture capital finance in two important respects. First, venture capital contracts for different types of entrepreneurial firms are functionally distinct. They can involve different securities (common equity, convertible preferred equity, mixes of debt and common, and mixes of preferred and common). They can also involve other specific contractual provisions pertaining to control rights, veto rights, board seats, etc. Each of these contractual provisions tends to be complementary, not substitutes. As such, different contracts are not functional equivalents.

Second, the use of different contracts – both the securities and specific contractual terms pertaining to cash flow and control rights – are important insofar as they play a role in determining the eventual exit vehicle selected, as well as the VC's IRR. Venture capital is non-diversified, value-added, active investing. Returns are a function of the types of entrepreneurial firms financed and the governance mechanisms used to oversee these firms.

The empirical evidence herein provides insight along these two dimensions. We hope that this evidence inspires further theoretical and empirical research so that we may better understand the financing process, and better evaluate the normative implications associated with different contracts and investments in different types of entrepreneurial firms.

Appendix A: Examples of Various Contractual Contingencies¹⁹

<u>Financial contingencies</u>: Employee shares vest if revenue goals attained; VC can only vote for all owned shares if realized EBIT below threshold value, in which case VC always gets voting control; VC dividend on preferred shares, payable in common stock, is suspended depending on actual revenues and operating profits versus expected revenue and profit goals; exercise price on warrants is fraction of net worth: (e.g.) 50% of net worth/share for first three years, then 100% of net worth/share; VC warrants expire if revenue goal attained; Committed round of financing contingent on no material deviation from business plan.

Non-financial contingencies: Committed round of financing contingent on no material deviation from non-financial aspects of business plan; Employee shares vest when company secures threshold number of customers who have purchased the product and give positive feedback; Employee shares vest when release of new major version of the product which incorporates significant new functionality; Founder shares vest contingent on governmental approval of new drug; Founder shares vest contingent on new corporate partnership found; Founder shares vest contingent on approved patents; Founder loses voting right for shares if terminated for cause (e.g., illegal activities, etc.); Committed funding paid out when new clinical tests completed; Committed funding paid out when new strategic partnership completed.

<u>Certain actions taken contingencies:</u> Committed funding paid out subject to new business plan for entering new markets completed and approved by board; Vesting of shares contingent on hiring new key executives; Committed funding paid out subject to hiring new key executives or CEO; Committed funding paid out subject to developing new facilities.

<u>Sale of equity contingencies:</u> Founder ownership increasing non-linear function of share price obtained in sale or IPO; Founder vesting accelerates upon sale or IPO of certain minimum value; Cumulative dividend (in stock or cash) suspended upon sale or IPO of certain minimum value; Conversion price of VC convertibles higher if company completes sale of new equity where

proceeds exceed minimum amount; VC warrants expire if company manages to raise alternative funds where proceeds and price of equity exceeds threshold; VC warrants expire upon IPO of minimum value; Committed funding paid out when new vendor financing agreements secured; Committed funding paid out when new construction loans secured; VC dividend on preferred shares, payable in common stock, is suspended if company manages to raise certain amount of new funding above minimum price per share.

Appendix B: Examples of Contractual Clauses Pertaining to Control Rights²⁰

<u>Right of First Refusal:</u> The Investors shall have the right in the event the Company proposes to offer equity securities to any person (with exceptions). This right typically terminates upon IPO.

<u>Co-sale Agreement:</u> The entrepreneurial managers may not sell, transfer, or exchange their stock unless each investor has an opportunity to participate in the sale on a pro rata basis. The right of co-sale shall not apply to and shall not terminate upon the Company's initial public offering.

<u>Antidilution Provisions:</u> The conversion price of convertible securities are subject to a weighted average adjustment to reduce dilution in the event that the Company issues additional equity securities (other than employee, director, and consultant shares approved by the Board of Directors) at a purchase price less than the applicable conversion price.

<u>Protection Rights Against New Issues:</u> Consent of the investors shall be required for any investee action that changes the shareholder rights and privileges of the investors.

<u>Redemption at Option of Investors:</u> Commencing on some particular date (e.g., in the fifth anniversary of the Closing), at the election of the investors, the Company shall redeem their outstanding shares. Such redemption shall be at the Original Purchase Price plus any unpaid cumulative dividends.

<u>Information Rights in Operating Plans and Financials:</u> The Company shall deliver to the Investor audited annual and unaudited quarterly financial statements. Each investor shall also be entitled to standard inspection and visitation rights. These provisions shall terminate upon a registered public offering of the Company's Common Stock.

<u>IPO Demand Registration Rights:</u> The investors may force the company to file a Registration Statement for the Registrable Securities. The Company will use its best efforts to cause such shares to be registered; provided, however, that the Company shall not be obligated to effect any such registration prior to a certain specified date.

<u>Piggyback Registration Rights:</u> The Investors shall be entitled to "piggyback" registration rights on all registrations of the Company or on any demand registrations of any other investor subject to the right, however, of the Company and its underwriters to reduce the number of shares proposed to be registered pro rata in view of market conditions.

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This table presents, by type of security used	, are marrison	or portions invocios		ning to board seats.		or initiationing rounder, an	o number of dynamical out par	anoro, una actan
	Total	# Investees	# Financing	# Syndicated	Total #	# Respondent	# Syndicated	# Total
Type of Security	# Investees	As Lead Investor	Rounds	Investments	Syndicated Partners	VC Board Seats	VC Board Seats	Board Seats
Common Equity	57	40	78	47	54	64	67	299
Conv. Preferred Equity	24	12	32	13	24	22	17	99
Common + Conv. Preferred	3	3	3	1	3	7	1	23
Common + Preferred	19	13	20	9	9	17	10	68
Common + Conv. Preferred + Preferred	1	1	2	1	3	2	4	9
Sum of Preferred + Common Equity	23	17	25	11	15	26	15	100
Common + Conv. Debt	6	5	8	2	2	8	3	31
Common + Conv. Debt + Preferred	1	1	1	0	0	1	0	5
Conv. Debt + Preferred	1	0	1	1	2	0	2	4
Conv. Debt + Preferred + Conv. Preferred	1	1	1	1	2	2	2	6
Conv. Preferred + Debt	5	4	13	2	3	7	4	18
Common + Preferred + Debt	7	7	7	3	3	7	1	18
Common + Debt	7	7	13	3	3	13	5	35
Sum of Debt + Common Equity	28	25	44	12	15	38	17	117
yndicated VCs Used Different Instrument?	4	2	4	2	2	4	2	13
yes, Syndicated VCs used Common Equity	2	1	3	1	1	2	0	6
If yes, Syndicated VCs used Warrants	2	1	1	1	1	2	2	7

			Т	able 1b. Summ	ary of the Data	by Type of Secu	rity Used		Table 1b. Summary of the Data by Type of Security Used												
	This table presents, by type of security used, the number of portfolio investees at each of the different development stages, and the different industries.																				
	Total	# Investees	# Investees	# Investees	# Investees	# Investees	# Investees	# Investees	# Investees	# Investees	# Investees										
Type of Security	# Investees	Seed	Early	Expansion	Late	Tumaround	Buyout	High-Tech	Medical/Biotechnology	Electronics/Computer	Internet/Communication										
Common Equity	57	4	12	26	3	1	11	36	12	12	12										
Conv. Preferred Equity	24	7	10	6	0	0	1	20	3	3	14										
Common + Conv. Preferred	3	0	0	0	2	0	1	0	0	0	0										
Common + Preferred	19	1	3	4	0	0	11	9	4	3	2										
Common + Conv. Preferred + Preferred	1	0	0	0	0	0	1	0	0	0	0										
Sum of Preferred + Common Equity	23	1	3	4	2	0	13	9	4	3	2										
Common + Conv. Debt	6	1	0	5	0	0	0	2	0	0	2										
Common + Conv. Debt + Preferred	1	0	0	1	0	0	0	1	0	1	0										
Conv. Debt + Preferred	1	0	0	1	0	0	0	0	0	0	0										
Conv. Debt + Preferred + Conv. Preferred	1	0	0	0	0	0	1	0	0	0	0										
Conv. Preferred + Debt	5	4	0	0	0	1	0	5	0	1	4										
Common + Preferred + Debt	7	0	0	0	0	0	7	2	0	2	0										
Common + Debt	7	0	2	0	0	0	5	3	1	2	0										
Sum of Debt + Common Equity	28	5	2	7	0	1	13	13	1	6	6										
		l																			
Syndicated VCs Used Different Instrument?	4	0	2	0	0	0	0	1	0	1	0										
If yes, Syndicated VCs used Common Equity	2	0	1	0	0	0	0	1	0	1	0										
If yes, Syndicated VCs used Warrants	2	0	1	0	0	0	0	0	0	0	0										
TOTALS	132	17	27	43	5	2	38	78	20	24	34										

			ablada Summanı	f the Data by Tu	an of Consider Hon								
	Table 1c. Summary of the Data by Type of Security Used This table presents, by type of security used, the number of portfolio investees in high-tech industries, the book and market values of the investments, the ownership percentages, and the divestments (actual or expected).												
This table presents, by type of security used	, the number of p		high-tech industries, t	the book and mar	ket values of the in	vestments, the owner	ship percentages, and	I the divestments (a	ctual or expected).				
	Total	Total # Actual	Total # Expected	Total #	Total #	Total # Actual	Total # Expected	Total # Actual	Total # Expected				
Type of Security	# Investees	Exits Reported	Exits Reported	Actual IPO	Expected IPO	Acquisitions	Acquisitions	Write-offs	Write-downs				
Common Equity	57	16	14	8	7	4	7	4	0				
Conv. Preferred Equity	24	5	11	0	3	2	8	3	0				
Common + Conv. Preferred	3	0	3	0	1	0	2	0	0				
Common + Preferred	19	5	3	0	0	3	3	2	0				
Common + Conv. Preferred + Preferred	1	1	0	1	0	0	0	0	0				
Sum of Preferred + Common Equity	23	6	6	1	1	3	5	2	0				
Common + Conv. Debt	6	0	1	0	0	0	1	0	0				
Common + Conv. Debt + Preferred	1	0	0	0	0	0	0	0	0				
Conv. Debt + Preferred	1	1	0	0	0	1	0	0	0				
Conv. Debt + Preferred + Conv. Preferred	1	0	0	0	0	0	0	0	0				
Conv. Preferred + Debt	5	1	4	0	1	0	2	1	1				
Common + Preferred + Debt	7	2	0	0	0	2	0	0	0				
Common + Debt	7	2	2	1	0	1	2	0	0				
Sum of Debt + Common Equity	28	6	7	1	1	4	5	1	1				
Syndicated VCs Used Different Instrument?	4	1	1	1	1	0	0	0	0				
If yes, Syndicated VCs used Common Equity	2	1	0	1	0	0	0	0	0				
If yes, Syndicated VCs used Warrants	2	0	1	0	1	0	0	0	0				
TOTALS	132	33	38	10	12	13	25	10	1				

This table presents, by type of security used,	the number of		ble 1d. Summary of the Da			measures of financial I	performance non-financial perfo	ormance certain
This table presents, by type of occurry dood,			s. The party for which the co				senormance, non inicious pone	Arriance, contain
	Total		# Co	ontracts with contingencies for				
Type of Security	# Investees	Financial Performance	Non-Financial Performance	Certain Actions Taken	Sale of Shares	Reporting VC Fund	Other Syndicated VC Fund	Entrepreneur
								ı
Common Equity	57	14	11	10	5	10	9	19
Conv. Preferred Equity	24	17	10	9	8	11	5	10
Common + Conv. Preferred	3	1	0	1	3	3	0	3
Common + Preferred	19	3	2	2	0	1	3	3
Common + Conv. Preferred + Preferred	1	1	0	0	0	0	0	1
Sum of Preferred + Common Equity	23	5	2	3	3	4	3	7
Common + Conv. Debt	6	3	1	1	0	3	0	2
Common + Conv. Debt + Preferred	1	0	0	0	0	0	0	0
Conv. Debt + Preferred	1	1	0	0	0	0	0	1
Conv. Debt + Preferred + Conv. Preferred	1	1	0	1	0	0	0	1
Conv. Preferred + Debt	5	3	3	1	0	3	1	0
Common + Preferred + Debt	7	0	0	0	0	0	0	0
Common + Debt	7	1	0	0	3	2	0	1
Sum of Debt + Common Equity	28	9	4	3	3	8	1	5
Syndicated VCs Used Different Instrument?	4	1	0	0	2	1	0	1
If yes, Syndicated VCs used Common Equity	2	0	0	0	1	0	0	1
If yes, Syndicated VCs used Warrants	2	1	0	0	1	1	0	0

	Table 1e. Summary of the Data by Type of Security Used												
This table presents, by type of security used	d, the number of						es in control, and	issuance of equity. Stat	e contingent changes in VC				
ownership percentage and VC board seats for each fund are also reported. Total #Investees for which specific veto rights used Average Increase in VC Equity Increase in VC board seats													
	Total						Average	Increase in VC Equity	Increase in VC board seats				
Type of Security	# Investees	Asset Sales	Asset Purchases	Changes in Control	Issuance of Equity	Other	% Ownership	if poor performance	if poor performance				
Common Equity	57	24	25	31	30	32	33.5%	14	11				
Conv. Preferred Equity	24	21	19	21	20	14	19.6%	7	6				
Common + Conv. Preferred	3	3	3	3	3	3	57.7%	0	0				
Common + Preferred	19	14	14	16	16	16	36.6%	4	4				
Common + Conv. Preferred + Preferred	1	1	1	1	1	0	26.0%	0	0				
Sum of Preferred + Common Equity	23	18	18	20	20	19	38.9%	4	4				
Common + Conv. Debt	6	1	1	1	1	1	46.4%	0	0				
Common + Conv. Debt + Preferred	1	1	1	1	1	1	38.6%	0	0				
Conv. Debt + Preferred	1	1	1	1	1	0	11.0%	0	0				
Conv. Debt + Preferred + Conv. Preferred	1	1	1	1	1	1	25.0%	0	0				
Conv. Preferred + Debt	5	5	4	4	4	4	57.8%	0	0				
Common + Preferred + Debt	7	7	7	7	7	7	50.7%	0	0				
Common + Debt	10	5	5	6	4	4	44.8%	0	0				
Sum of Debt + Common Equity	31	21	20	21	19	18	46.8%	0	0				
Syndicated VCs Used Different Instrument?	4	1	1	1	0	1	11.3%	1	0				
If yes, Syndicated VCs used Common Equity	2	0	0	1	0	0	10.5%	0	0				
If yes, Syndicated VCs used Warrants	2	1	1	0	0	1	12.1%	1	0				
TOTALS	135	84	82	93	89	83	35.0%	25	21				

			Table 1f. Summa	-							
This table presents, by type of security user			ees where the VC ha issues, redemption i							a co-sale agreem	ent, antidillution
protectio		• •									
	Total	Right to	Automatic conver-			Antidillution			Information	Demand regi-	Piggyback regi-
Type of Security	# Investees	replace CEO	sion rights in IPO	in sale	agreement	protection	against new issues	rights	rights	stration rights	stration rights
Common Equity	57	15	0	25	29	25	22	19	27	5	2
1.0											
Conv. Preferred Equity	24	4	3	20	13	13	18	3	19	10	7
Common + Conv. Preferred	3	2	3	0	3	2	3	0	3	0	0
Common + Preferred	19	12	0	4	14	14	14	14	14	8	8
Common + Conv. Preferred + Preferred	1	1	1	1	1	0	0	0	1	1	0
Sum of Preferred + Common Equity	23	15	. 4	5	18	16	17	14	18	9	8
Cum of Freeding Common Equity							.,		10	ŭ	Ů
Common + Conv. Debt	6	1	1	2	1	1	0	0	2	2	0
Common + Conv. Debt + Preferred	1	0	0	0	1	1	1	1	1	0	0
Conv. Debt + Preferred	1	1	1	1	1	0	0	0	1	1	0
Conv. Debt + Preferred + Conv. Preferred	1	1	1	1	1	0	0	0	1	1	0
Conv. Preferred + Debt	5	0	0	4	4	4	5	0	4	0	0
Common + Preferred + Debt	7	7	0	0	7	7	7	7	7	7	7
Common + Debt	7	3	0	2	6	4	5	4	7	3	3
Sum of Debt + Common Equity	28	13	3	10	21	17	18	12	23	14	10
Syndicated VCs Used Different Instrument?	4	0	0	1	2	0	1	0	2	0	0
If yes, Syndicated VCs used Common Equity	2	0	0	1	1	0	1	0	1	0	0
If yes, Syndicated VCs used Warrants	2	0	0	0	1	0	0	0	1	0	0
TOTALS	132	47	10	60	81	71	75	48	87	38	27

Table 2a. Summary of the Data by Exit Vehicle

This table presents, by exit vehicle, the number of divestments (actual and expected), the internal rate of retun (IRR) (expected exit as at 9/2001), ownership percentages, control over exit, conflicts over exit, type of security, stage of development at first investment, # rounds, # syndicated VCs, and board seats.

over exit, type of security, stage of development at first investment, # rounds, # syndicated VCs, and board seats. Actual IPOs Expected IPOs Actual Acquisitions Expected Acquisitions Actual Write-offs Expected Write-do											
	Actual IPOs	Expected IPOs	Actual Acquisitions	Expected Acquisitions	Actual Write-offs	Expected Write-downs					
4	05.000/	00.050/	100 540/	7.000/	100 000/	0.000/					
Average IRR	95.90%	23.25%	128.54%	7.09%	-100.00%	0.00%					
Standard Deviation IRR	142.00%	44.76%	149.34%	65.64%	0.00%	0.00%					
Max IRR	500.00%	115.61%	566.00%	91.27%	-100.00%	0.00%					
Min IRR	30.00%	0.00%	27.00%	-91.89%	-100.00%	0.00%					
	54.000/	00.000/	44.700/	44.050/	07.000/	10.000/					
Average Respondent VC Ownership %	54.22%	20.62%	44.73%	41.85%	27.26%	10.00%					
Average Syndicated VC Ownership %	11.25%	11.09%	15.30%	12.88%	14.13%	20.00%					
Preplanned Exit	5	11	9	21	0	0					
Unsolicited Offer	0	0	3	1	0	0					
Market Conditions	6	0	1	4	1	0					
Internal Conflicts	0	0	0	0	7	0					
VC Fundraising	0	1	0	1	0	0					
Fund Termination	0	1	0	0	0	0					
Other	0	0	0	0	2	1					
Other		ľ	Ů	Ů	-	'					
VC Controls Exit	8	6	10	20	8	0					
Syndicated VC Controls Exit	1	2	0	1	2	0					
Entrepreneur Controls Exit	1	4	3	4	0	1					
Conflict re timing	5	0	1	2	0	0					
Conflict re valuation	1	0	0	0	0	0					
Common Equity	8	7	4	7	4	0					
Convertible Preferred Equity	0	3	2	8	2	0					
Mixed Preferred + Common	1	1	3	5	2	0					
Mixed Debt + Common	1	1	4	5	2	1					
Seed	0	1	1	6	3	0					
Early	1	3	1	4	2	0					
Expansion	4	6	5	6	5	0					
Late	1	2	0	1	0	0					
Turnaround	0	0	0	0	0	1					
Buyout	4	0	6	8	0	0					
High-Tech	6	8	7	15	8	1					
Medical/Biotech	1	1	3	1	2	0					
Electronic/Computer	3	0	0	4	0	1					
Communication/Internet	2	7	4	10	6	0					
Non-Tech Industries	4	4	6	10	2	0					
	l					_					
Average # Rounds	2.5	1.25	1.77	1.48	1	4					
Average # Syndicated Partners	1.2	1	1	0.76	1.1	2					
Average # Respondent VC Board Seats	2	1.08	1.46	1.44	1.1	1					
Average # Syndicated VC Board Seats	1.1	0.75	0.69	0.8	1	2					
Average # Total Board Seats	6	5.75	3.92	4.72	4.6	6					
Total # Exits	10	12	13	25	10	1					
I Otal # EXITS	10	12	13	20	10	'					
				l							

Table 2b. Summary of the Data by Exit Vehicle

This table presents, by exit vehicle, the number of divestments (actual and expected), the contractual contingencies (incentives for the entrepreneur, respondent VC, and syndicated VCs), veto rights, contingent equity ownership and board seats, and control rights.

contingent equity ownership and board seats, and control rights.											
	Actual IPOs	Expected IPOs	Actual Acquisitions	Expected Acquisitions	Actual Write-offs	Expected Write-downs					
Financial Contingencies - Entrepreneur	1	3	1	10	0	0					
Non-Financial Contingencies - Entrepreneur	0	3	0	8	0	0					
Certain Actions Contingencies - Entrepreneur	0	3	0	2	0	0					
Sale of Shares Contingencies - Entrepreneur	1	2	0	3	0	0					
Financial Contingencies - Respondent VC	0	3	0	8	0	0					
Non-Financial Contingencies - Respondent VC	0	3	0	8	0	0					
Certain Actions Contingencies - Respondent VC	0	3	0	4	0	0					
Sale of Shares Contingencies - Respondent VC	0	5	0	5	0	0					
Cale of Chares Contingencies - Respondent VO		ŭ	Ů	ŭ	ŭ	v					
Financial Contingencies - Syndicated VC	0	1	0	4	0	0					
Non-Financial Contingencies - Syndicated VC	0	1	0	3	0	0					
Certain Actions Contingencies - Syndicated VC	0	1	0	3	0	0					
Sale of Shares Contingencies - Syndicate VC	0	0	0	0	0	0					
Veto Rights re Asset Sales	8	7	11	20	6	1					
Veto Rights re Asset Purchases	8	7	11	19	6	0					
Veto Rights re Changes in Control	9	5	11	21	6	0					
Veto Rights re Issuance of Equity	8	5	11	18	6	0					
Veto Rights re Other	7	7	10	18	6	0					
veto riigitis te ottier	,	,	10	10	Ü	Ü					
Increase VC % ownership if poor performance	7	2	5	6	3	0					
Increase VC board seats if poor performance	7	0	5	0	3	0					
Right to replace CEO	8	0	10	10	3	0					
Automatic conversion upon IPO	1	1	1	6	0	0					
Right of first refusal in sale	8	6	7	22	6	0					
Co-sale agreement	9	7	11	20	6	0					
Antidillution	7	3	10	20	6	0					
Protection rights in new issues	8	5	10	15	6	1					
Redemption rights	7	0	9	2	3	0					
Information rights	9	8	11	24	6	0					
Demand registration rights	1	1	5	9	0	0					
Piggyback registration rights	0	0	4	4	0	0					
Total # Exits	10	12	13	25	10	1					
	1										

Common Equity	Correlation coefficients between choice of security, specific contractual conting			oard seats, control rights nd 1% levels, respectivel		acteristics. Chi-squared	significance test r	eported for cross-tabulat	ions. *, **, ***
Contract contingent on financial performance — VC Incentives Contract contingent on financial performance — VC Incentives Contract contract on non-financial performance — VC Incentives Contract contract on financial performance — Contract contract on non-financial performance (al) Contract contract on financial performance (al) Contract contrigent on sale of securities — Enlargement incentives 0.0152 Contract contrigent on financial performance (al) Contract contrigent on sale of securities — Contract contrigent on sale of securities 0.028 Contract contrigent on sale of securities — Contract contrigent on sale for securities — Contract contrigent on sale of securities — Cont		Common Eq	uity	Convertible Preferr	ed Equity	Preferred and Con	nmon Equity	Debt and/or Preferred	and Common
Contract contingent on non-financial performance — Uniterview -0.154 -0.276 -0.282 -0.282 -0.275 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75		Correlation Coeficient	Chi-squared	Correlation Coeficient	Chi-squared	Correlation Coeficient	Chi-squared	Correlation Coeficient	Chi-squared
Contract contingent on non-financial performance — Uniterview -0.154 -0.276 -0.282 -0.282 -0.275 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75 -0.75									
Contract contringent on north animal performance — Entrepreneur incentives									
Contract contingent on favoral performance —Emirgenerial recentives — 0.108									
Contract contingent on financial performance — Enterpreneur incentives	*								
Contract contingent on non-financial performance Contract contract contract across help table = Temperapeur incentives 0.016 0.032 0.075 0.142 2.667 0.098 0.277 0.076 0.091 0.090 0.490 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0	Contract contingent on sale of securities VC incentives	-0.168	3.732	0.2/1	9.663***	0.048	0.303	-0.065	0.561
Contract contingent on non-financial performance Contract contract contract across help table = Temperapeur incentives 0.016 0.032 0.075 0.142 2.667 0.098 0.277 0.076 0.091 0.090 0.490 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0.092 0	Contract continuent on financial performance Entrepreneur incentives	-0.108	1 536	0.206	5 618**	0.002	0.000	0.016	0.034
Contract confrigent on certain actions being taken — Emergenemus necentives Contract confingent on sale of securities — Emergenemus incontives Contract confingent on sale of securities — Emergenemus incontives Contract confingent on sale of securities — Emergenemus incontives Contract confingent on sale of securities — Emergenemus incontives Contract contract on non-financial performance (all) - 0.028 - 8.806*** - 0.370 - 0.482 - 0.280 - 0.370 - 0.481 - 0.281 - 0.281 - 0.282 - 0.282 - 0.282*** - 0.124 - 0.284 - 0.285 - 0.383 - 0.414 - 0.284 - 0.285 - 0.385 - 0.414 - 0.281 - 0.385 - 0.414 - 0.284 - 0.385 - 0.414 - 0.284 - 0.385 - 0.487 - 0.385 - 0.487 - 0.385 - 0.487 - 0.385 - 0.487 - 0.487 - 0.284 - 0.285 - 0.385 - 0.487 - 0.286 - 0.396 - 0.396 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006 - 0.006									
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Contract contract on non-financial performance (all) Contract contingent on one-financial performance (all) Contract contingent on salar actions being taken (all) Contract contingent on salar sales VC has velor over asset sales VC has velor over saset sales VC has velor over changes in control -0.422 -0.486*** -0.190 -0.191 -0.412 -0.2386** -0.190 -0.191 -0.192 -0.191 -0.191 -0.192 -0.191 -0.191 -0.192 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -0.191 -	Contract contingent on financial performance (all)	-0.258	8.806***	0.370	18.031***	-0.080	0.843	0.194	4.951**
Contract contingent on sale of securities (all) VC has veto over asset sales VC has veto over changes in control 4.447 3.1283*** VC has veto over changes in control VC has veto over changes in control 4.412 22.389*** VC has veto over changes in control VC has veto over designes in control 4.412 22.389*** VC has veto over designes in control 4.471** VC ownership percentage >50% VC ownership percentage >50% VC ownership percentage in control VC ownership percentage in control VC so Board Seats >60% VC equily ownership percentage in control VC's Board Seats / Total Board Seats >50% 0.064 0.027 0.086 0.072* VC's board Seats / Total Board Seats >50% 0.045 VC's board seats increase if bad performance 0.061 0.081 0.081 VC's board seats increase if bad performance 0.061 0.081 0.081 VC's board seats increase if bad performance 0.081 0.081 0.081 0.083 0.094 0.084 0.283 0.044 0.255 0.038 0.193 0.187 4.592** VC's board seats increase if bad performance 0.081 0.081 0.081 0.177 1.1912 0.038 0.193 0.187 4.592** VC's board seats increase if bad performance 0.081 0.081 0.081 0.178 VC's board seats increase if bad performance 0.081 0.081 0.081 0.178 0.083 0.193 0.187 4.592** 0.080 0.193 0.187 4.592** 0.080 0.193 0.187 4.592** 0.080 0.193 0.187 4.592** 0.080 0.193 0.187 4.592** 0.080 0.193 0.187 4.592** 0.094 1.1012 0.003 0.193 0.187 4.592** 0.003 0.194 0.003 0.003 0.195 0.003 0.196 0.003 0.003 0.196 0.003 0.003 0.003 0.003 0.003 0.003 0.003 0.003 0.003 0.003 0.003 0.003 0.003 0.000 0.002 0.006 0.000 0.006 0.000 0.000					8.917***				
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VC has veto over asset purchases -0.422		-0.183	4.440**	0.254	8.539***	0.087	0.990	-0.071	0.668
VC has veto over asset purchases -0.422	9 ,								
Voltas vetto over changes in control -0.412 22.389*** 0.176 4.084** 0.232 7.125*** -0.072 0.880 Voltas veto over interedecisions -0.197 5.121*** -0.026 0.091 0.245 7.125*** -0.017 0.285 Voltas veto over other decisions -0.197 5.121*** -0.028 0.091 0.245 7.125*** -0.010 1.584 Voltas veto over other decisions -0.197 5.121*** -0.028 0.091 0.245 7.125*** -0.011 1.584 Voltas veto over other decisions -0.197 5.121*** -0.028 10.779** 0.163 3.510* 0.128 2.165 Voltas veto over other checisions -0.084 0.927 0.286 10.779** -0.163 3.510* -0.128 2.165 Voltas veto over other checisions -0.084 0.927 0.286 10.779** -0.163 3.510* -0.128 2.165 Voltas veto over other checisions -0.085 0.393 0.129 2.210 0.018 0.042 -0.183 0.000 Voltas fload Seats -50% -0.045 0.283 0.044 0.255 -0.038 0.193 -0.187 4.592** Voltas board Seats / Total Board Seats -50% 0.045 0.283 0.044 0.255 0.038 0.193 -0.187 4.592** Voltas board seats increase if bad performance 0.081 0.861 0.117 1.812 -0.038 0.193 -0.187 4.592** Voltas board seats increase if bad performance 0.081 0.861 0.117 1.812 -0.038 0.193 -0.150 0.000 Voltas right to replace CEO -0.233 7.187*** -0.179 4.233** 0.377 18.731*** -0.127 2.117 Voltas right to replace CEO -0.233 7.187*** -0.179 4.233** 0.377 18.731*** -0.127 2.117 Voltas right to replace GEO -0.233 0.000 0.142 2.667 0.098 1.271 0.163 3.516* 0.000 0.070 Voltas contain check agreement -0.081 0.899 0.388 17.877** -0.164 3.568* 0.060 0.0470 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.	VC has veto over asset sales	-0.487	31.263***	0.250	8.250***	0.230	6.988***	0.035	0.160
VC has veto over issuance of equity 0.374 18.471*** 0.176 4.094** 0.232 7.125*** -0.047 0.288 VC has veto over other decisions -0.197 5.121*** -0.026 0.091 0.245 7.915*** -0.0110 1.584 VC ownership percentage >50% -0.084 0.927 0.286 10.779*** -0.163 3.510* -0.128 2.165 VC ownership percentage >50% -0.084 0.927 0.286 10.779*** -0.163 3.510* -0.128 2.165 VC ownership percentage increases if bad performance 0.055 0.383 0.129 2.210 0.018 0.042 -0.183 0.000 VC is Board Seats / Total Board Seats >50% -0.045 0.263 0.044 0.255 0.038 0.193 0.187 4.592** VC's Board Seats / Total Board Seats >50% 0.045 0.263 0.044 0.255 0.038 0.193 0.187 4.592** VC's board seats increase if bad performance 0.081 0.881 0.117 1.812 -0.038 0.193 -0.150 0.000 VC has right to replace CEO -0.233 7.187** -0.179 4.233** 0.044 0.255 0.038 0.193 -0.150 0.000 VC has right to replace CEO -0.233 7.187** -0.179 4.23** 0.000 0.127 2.117 VC sharnes automatically convert upon IPO -0.283 0.000 0.002 2.2667 0.098 1.271 0.163 3.516** VC has right for first refusal -0.081 0.996 0.388 17.877** -0.164 3.566* 0.000 0.470 0.200 11.102** -0.052 0.359 VC has refulation provision -0.228 6.866** 0.014 0.027 0.217 0.234** 0.000 0.470 0.200 11.102** 0.052 0.359 VC has refulation rights against new issues -0.378 18.855** 0.168 4.556* 0.260 8.811** 0.119 1.882 0.005 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.0000 0.	VC has veto over asset purchases	-0.422	23.468***	0.180	4.271**	0.245	7.915***	-0.006	0.005
VC has veto over other decisions	VC has veto over changes in control	-0.412	22.389***	0.194	4.977**	0.285	10.708***	-0.072	0.680
VC ownership percentage >50% -0.084 0.927 -0.286 10.779*** 0.163 3.510* 0.128 2.165	VC has veto over issuance of equity	-0.374	18.471***	0.176	4.094**	0.232	7.125***	-0.047	0.286
VC equity ownership percentage <50% 0.084 0.927 0.286 10.779** -0.163 3.510* -0.128 2.165 VC equity ownership percentage increases if bad performance 0.085 0.393 0.129 2.210 0.018 0.042 -0.183 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0	VC has veto over other decisions	-0.197	5.121***	-0.026	0.091	0.245	7.915***	-0.110	1.584
VC equity ownership percentage <50% 0.084 0.927 0.286 10.779** -0.163 3.510* -0.128 2.165 VC equity ownership percentage increases if bad performance 0.085 0.393 0.129 2.210 0.018 0.042 -0.183 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0									
VC equity ownership percentage increases if bad performance	VC ownership percentage >50%	-0.084	0.927	-0.286	10.779***	0.163	3.510*	0.128	2.165
VC's Board Seats / Total Board Seats > 50%	VC ownership percentage <50%	0.084	0.927	0.286	10.779***	-0.163	3.510*	-0.128	2.165
VC's Board Seats / Total Board Seats < 50% 0.045 0.263 0.044 0.255 0.038 0.193 -0.187 4.592** VC's board seats increase if bad performance 0.081 0.861 0.117 1.812 -0.038 0.193 -0.150 0.000	VC equity ownership percentage increases if bad performance	0.055	0.393	0.129	2.210	0.018	0.042	-0.183	0.000
VC's Board Seats / Total Board Seats < 50% 0.045 0.263 0.044 0.255 0.038 0.193 -0.187 4.592** VC's board seats increase if bad performance 0.081 0.861 0.117 1.812 -0.038 0.193 -0.150 0.000									
VC's board seats increase if bad performance 0.081 0.861 0.117 1.812 -0.038 0.193 -0.150 0.000		-0.045	0.263	-0.044	0.255	-0.038	0.193	0.187	
VC has right to replace CEO 4.233 7.187*** VC shares auutomatically convert upon IPO 4.283 0.000 0.142 2.667 0.098 1.271 0.163 3.516* VC has right of first refusal 4.081 4.081 0.889 0.388 17.877*** 4.0164 3.568* 0.060 0.470 0.290 11.102*** -0.052 0.359 VC has antifilition provision 4.0246 7.994*** -0.060 0.470 0.290 11.102*** -0.052 0.359 VC has protection rights against new issues 4.0378 18.855*** 0.186 4.566** 0.260 8.811*** 4.019 1.882 VC has information rights in operating plans and financials VC has demand registration rights -0.461 VC has pigypback registration rights -0.431 24.561*** 0.142 2.656 0.212 5.916** -0.024 0.076 VC has control over exit -0.128 2.174 -0.175 4.233** 0.377 18.73*** -0.164 3.568* 0.060 0.470 0.290 11.102*** -0.055 0.359 0.358 -0.224 7.219*** 0.266 9.373*** -0.209 5.779** VC has demand registration rights -0.462 2.1800*** 0.147 2.838* 0.286 10.789*** -0.085 0.158 VC has pigypback registration rights -0.431 24.561*** 0.142 2.656 0.212 5.916** -0.024 0.076 VC has pigypback registration rights -0.386 19.67*** 0.100 1.320 0.284 11.630*** -0.195 0.000 VC has control over exit -0.128 2.174 -0.175 4.035** 4.035** 0.230 6.959** 0.028 0.000 Police of the specified of the specifi					0.255				
VC shares auutomatically convert upon IPO	VC's board seats increase if bad performance	0.081	0.861	0.117	1.812	-0.038	0.193	-0.150	0.000
VC shares auutomatically convert upon IPO									
VC has right of first refusal -0.081 0.89 0.368 17.877** -0.164 3.568* 0.060 0.470 VC has co-saile agreement -0.246 7.594*** -0.060 0.470 0.290 11.102*** -0.052 0.359 0.368 VC has ardidilution provision -0.228 6.866*** 0.014 0.027 0.217 6.224** -0.097 1.244 VC has protection rights against new issues -0.378 18.855*** 0.186 4.556** 0.260 8.911*** -0.119 1.882 VC has refemption rights -0.055 0.388 -0.234 7.219*** 0.266 9.373*** -0.209 5.779** VC has information rights in operating plans and financials -0.406 21.800*** -0.147 2.838* 0.286 10.789*** -0.035 0.158 VC has demand registration rights -0.431 24.561*** 0.142 2.656 0.212 5.916** -0.024 0.076 VC has piggyback registration rights -0.386 19.676*** 0.100 1.320 0.284 10.630*** -0.195 0.000 VC has control over exit -0.128 2.174 -0.175 4.035** 0.334 14.688*** -0.177 -0.086 1.258 -0.137 2.479 -0.083 0.900 -0.067 0.006 0.264 0.272 -0.264 0.230 0.920** 0.220** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224** 0.224									
VC has co-sale agreement -0.246 7.994*** -0.060 0.470 0.290 11.102*** -0.052 0.359 VC has antidiution provision 40.228 6.866*** 0.014 0.027 0.217 6.234** -0.097 1.244 VC has protection rights against new issues -0.378 18.865*** 0.016 4.566** 0.260 8.91*** -0.019 1.828 VC has redemption rights -0.055 0.388 -0.224 7.219*** 0.266 9.373*** -0.209 5.779** VC has information rights in operating plans and financials -0.406 21.800*** 0.147 2.838* 0.286 10.789*** -0.035 0.158 VC has demand registration rights -0.431 24.561*** 0.142 2.656 0.212 5.916** -0.024 0.076 VC has piggyback registration rights -0.386 19.676*** 0.100 1.320 0.284 10.630*** -0.195 0.000 VC has control over exit -0.128 2.174 -0.175 4.035** 0.334 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>									
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VC has protection rights against new issues VC has redemption rights -0.055 0.398 -0.234 7.219*** 0.266 9.373*** -0.209 5.779** VC has information rights in operating plans and financials VC has redemption rights -0.055 0.398 -0.234 7.219*** 0.266 9.373*** -0.209 5.779** 0.266 9.373*** -0.209 5.779** 0.266 9.373*** -0.209 5.779** 0.266 9.373*** -0.209 5.779** 0.266 9.373*** -0.209 5.779** 0.266 9.373*** -0.209 5.779** 0.266 9.373*** -0.209 5.779** 0.266 9.373*** -0.209 5.779** 0.266 9.212 5.916** -0.024 0.076 0.076 0.080 0.284 0.284 0.284 0.285 0.212 0.284 0.280** 0.284 0.280** 0.284 0.280** 0.284 0.280** 0.284 0.280** 0.284 0.280** 0.284 0.280** 0.284 0.280** 0.280 0.284 0.280** 0.284 0.280** 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.280 0.383 0.080 0.090 0.180 0.382 0.088	ž.								
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VC has control over exit -0.128 -0.128 -0.174 -0.175 -0.098 -0.128 -0.137 -0.098 -0.128 -0.137 -0.098 -0.283 -0.137 -0.265 -0.2479 -0.083 -0.900 -0.265 -0.242*** -0.264 -0.264 -0.27 -0.283 -0.27 -0.283 -0.283 -0.283 -0.283 -0.283 -0.283 -0.285 -0.285 -0.284 -0.107 -0.286 -0.276 -0.276 -0.276 -0.276 -0.276 -0.276 -0.276 -0.276 -0.276 -0.276 -0.276 -0.276 -0.276 -0.276 -0.276 -0.276 -0.276 -0.276 -0.276 -0.276 -0.276 -0.276 -0.276 -0.276 -0.276 -0.155 -0.276 -0.155 -0.276 -0.155 -0.276 -0.155 -0.161 -0.276 -0.156 -0.276 -0.156 -0.276 -0.157 -0.000 -0.018 -0.018 -0.018 -0.018 -0.018 -0.000 -0.067 -0.000 -0.067 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0.000 -0									
Other syndicated VC has control over exit 0.290 11.090*** -0.098 1.258 -0.137 2.479 -0.083 0.900 Founder has control over exit -0.101 1.335 0.283 10.597*** -0.265 9.242*** 0.264 9.230*** Respondent is Lead VC -0.097 1.245 -0.227 6.790*** 0.230 6.959*** 0.028 0.107 Syndication 0.329 14.274*** -0.101 1.338 -0.125 2.072 -0.155 3.168* Seed -0.107 1.508 0.229 6.936*** -0.155 3.153* 0.161 3.437* Early 0.013 0.022 0.248 8.112*** -0.051 0.342 -0.175 0.000 Expansion 0.210 5.816** -0.076 0.766 -0.223 6.545** 0.181 4.303** Late 0.067 0.599 -0.094 0.000 -0.067 0.000 0.159 3.324*	VC has piggyback registration rights	-0.386	19.676***	0.100	1.320	0.284	10.630***	-0.195	0.000
Other syndicated VC has control over exit 0.290 11.090*** -0.098 1.258 -0.137 2.479 -0.083 0.900 Founder has control over exit -0.101 1.335 0.283 10.597*** -0.265 9.242*** 0.264 9.230*** Respondent is Lead VC -0.097 1.245 -0.227 6.790*** 0.230 6.959*** 0.028 0.107 Syndication 0.329 14.274*** -0.101 1.338 -0.125 2.072 -0.155 3.168* Seed -0.107 1.508 0.229 6.936*** -0.155 3.153* 0.161 3.437* Early 0.013 0.022 0.248 8.112*** -0.051 0.342 -0.175 0.000 Expansion 0.210 5.816** -0.076 0.766 -0.223 6.545** 0.181 4.303** Late 0.067 0.599 -0.094 0.000 -0.067 0.000 0.159 3.324*	VC has control over exit	-0.128	2 174	-0.175	4.035**	0.334	14 688***	-0.170	3 706*
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Respondent is Lead VC									
Syndication 0.329 14.274*** -0.101 1.338 -0.125 2.072 -0.155 3.168* Seed -0.107 1.508 0.229 6.936*** -0.155 3.153* 0.161 3.437* Early 0.013 0.022 0.248 8.112*** -0.051 0.342 -0.175 0.000 Expansion 0.210 5.816** -0.076 0.766 -0.223 6.545** 0.181 4.303** Late 0.067 0.599 -0.094 0.000 0.082 0.883 -0.088 0.000 Tumaround 0.017 0.038 -0.058 0.000 -0.067 0.000 0.159 3.324*	r ounder has control over exit	-0.101	1.555	0.200	10.551	-0.200	3.242	0.204	3.230
Syndication 0.329 14.274*** -0.101 1.338 -0.125 2.072 -0.155 3.168* Seed -0.107 1.508 0.229 6.936*** -0.155 3.153* 0.161 3.437* Early 0.013 0.022 0.248 8.112*** -0.051 0.342 -0.175 0.000 Expansion 0.210 5.816** -0.076 0.766 -0.223 6.545** 0.181 4.303** Late 0.067 0.599 -0.094 0.000 0.082 0.883 -0.088 0.000 Tumaround 0.017 0.038 -0.058 0.000 -0.067 0.000 0.159 3.324*	Respondent is Lead VC	-0.097	1 245	-0 227	6 790***	0.230	6 959***	0.028	0 107
Seed -0.107 1.508 0.229 6.996** -0.155 3.153* 0.161 3.437* Early 0.013 0.022 0.248 8.112** -0.051 0.342 -0.175 0.000 Expansion 0.210 5.816** -0.076 0.766 -0.223 6.545** 0.181 4.303** Late 0.067 0.599 -0.094 0.000 0.082 0.883 -0.068 0.000 Turnaround 0.017 0.038 -0.058 0.000 -0.067 0.000 0.159 3.324*									
Early 0.013 0.022 0.248 8.112*** -0.051 0.342 -0.175 0.000 Expansion 0.210 5.816** -0.076 0.766 -0.223 6.545** 0.181 4.303**	Syndication	0.020	17.217	-0.101	1.000	-0.120	2.072	-0.103	3.100
Early 0.013 0.022 0.248 8.112*** -0.051 0.342 -0.175 0.000 Expansion 0.210 5.816** -0.076 0.766 -0.223 6.545** 0.181 4.303**	Seed	-0.107	1.508	0.229	6.936***	-0.155	3.153*	0.161	3.437*
Expansion 0.210 5.816** -0.076 0.766 -0.223 6.545** 0.181 4.303** Late 0.067 0.599 -0.094 0.000 0.082 0.883 -0.068 0.000 Tumaround 0.017 0.038 -0.058 0.000 -0.067 0.000 0.159 3.324*									
Late 0.67 0.599 -0.094 0.000 0.082 0.883 -0.068 0.000 Tumaround 0.017 0.038 -0.058 0.000 -0.067 0.000 0.159 3.324*	•								
Tumaround 0.017 0.038 -0.058 0.000 -0.067 0.000 0.159 3.324*									
	Buyout	-0.183	4.407**	-0.256	8.674***	0.374	18.449***	-0.165	3.579*
	.,		l						1
High-Tech 0.072 0.686 0.232 7.131*** -0.211 5.853** -0.014 0.025	High-Tech	0.072	0.686	0.232	7.131***	-0.211	5.853**	-0.014	0.025
Medical/Biotech 0.143 2.717* -0.035 0.160 0.023 0.069 -0.146 0.000	•								
Electronic/Computer 0.065 0.556 -0.069 0.637 -0.021 0.060 -0.035 0.160									
Communication/Internet -0.094 1.161 0.351 16.278*** -0.237 7.399*** 0.135 2.395					16.278***				

Table 3b. Significance Tests Relating Exit Vehicles to Types of Securities to Contractual Contingencies, Control Rights and Firm Characteristics

Correlation coefficients between choice of security, specific contractual contingencies, veto rights, ownership rights, board seats, control rights, and firm characteristics. Chi-squared significance test reported for cross-tabulations. *, **, *** Significant at th 10, 5, and 1% levels, respectively.

Actual & Equipment Chesquare Chesqu	reported for cross-tabula	ations. *, **, *** Significar	nt at th 10, 5, a	nd 1% levels, respective	ly.	·	Ü
Common Equity 0.352 8.781** -0.289 5.933** -0.163 1.944		Actual & Expecte	ed IPOs	Actual & Expected A	cquisitions	Actual Writeoffs & Expe	ected Writedowns
Convention Equity							
Convention Equity			·		·		·
Missed Preference and Common Equity	Common Equity	0.352	8.783***	-0.289	5.933**	-0.163	1.894
Missed Preference and Common Equity		-0.123	1.073	0.136	1.321		0.014
Moles of Delta and Common Equity -0.142	1						
Contract contingent on financial performance — VC incentives Contract contingent on financial performance — VC incentives Contract contingent on real mancine light before — VC incentives Contract contingent on real mancine light before — VC incentives Contract contingent on real mancine light before — VC incentives Contract contingent on financial performance — Enterpreneur incentives Contract contract contingent on financial performance — Enterpreneur incentives Contract contract contract and continues being taken — Enterpreneur incentives Contract contract on contractions being taken — Enterpreneur incentives Contract contract on real and securities — Contract contract on real and securities — Contract contract on real and securities — Contract contract on the real performance (all) Contract contribution of herical performance (all) Contract contribution on financial performance (all) Contract contribution on financia							
Contract contract on non-financial performance — Volimentives 0.084 0.085 0.155 1.004 0.0171 0.000	mixed of Book and Common Equity	0.112		0.020	0.010	0.110	1.100
Contract contract on non-financial performance — Volimentives 0.084 0.085 0.155 1.004 0.0171 0.000	Contract contingent on financial performance VC incentives	-0.034	0.084	0.165	1 930	-n 222	0.000
Contract contingent on nestine actions being taken— Vol intentives							
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Contract contingent on financial performance — Entrepreneur incentives -0.048 0.166 0.206 3.001* 0.070 0.330 0.084 0.265 0.084 0.086 0.165 1.930 0.084 0.265 0.084 0.165 0.084 0.185 0.084 0.085 0.084 0.085 0.084 0.085 0.084 0.085 0.084 0.085 0.084 0.085 0.084 0.085 0.084 0.085 0.084 0.085 0.084 0.085 0.085 0.084 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0.085 0							
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Contract contringent on rou-financial performance — Entrepreneur incentives Contract contingent on exists actions being taken — Entrepreneur incentives Contract contingent on sale of securities — Entrepreneur incentives Contract contingent on financial performance (al) 0.125 1.108 -0.021 0.033 -0.157 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.00	O-tttttfi-lf	0.040	0.400	0.000	2.004*	0.070	0.250
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VC has velto over asset purchases	Contract contingent on sale of securities (all)	0.218	3.379*	-0.069	0.340	-0.222	0.000
VC has velto over asset purchases							
VC has vetto over changes in control -0.145 1.500 0.286 5.021** -0.077 0.419 VC has veto over issuance of equlty -0.122 1.055 0.200 2.832** -0.010 0.008 VC has vetto over other decisions -0.067 0.229 0.139 1.379 -0.010 0.008 VC ownership percentage >50% -0.016 0.019 -0.155 1.703 0.020 0.029 VC ownership percentage =50% -0.016 0.019 -0.155 1.703 0.020 0.029 VC ownership percentage increases if bad performance 0.122 1.055 -0.079 0.444 0.158 1.769 0.444 VC so Board Seats / Total Board Seats >50% 0.123 1.073 0.206 3.001* 0.014 0.014 VC's Board Seats / Total Board Seats >60% 0.123 1.073 0.206 3.001* 0.014 0.014 VC's Board Seats / Total Board Seats >60% 0.123 1.073 0.206 3.001* 0.014 0.014 VC's board seats increase if bad performance 0.175 2.187 0.209 3.116* 0.014 0.014 VC's board seats increase of bad performance 0.175 2.187 0.209 3.116* 0.014 0.014 VC's bas right to replace CEO 0.099 0.690 0.194 2.680* 0.031 0.070 VC shares auutomaticy convert upon IPO 0.072 0.370 0.185 2.438 0.093 0.620 0.049 VC has rogatically convert upon IPO 0.072 0.370 0.185 2.438 0.093 0.620 0.049 VC has co-sale agreement 0.030 0.062 0.171 2.075 0.095 0.640 0.040 VC has remidilution provision 0.027 5.223 0.318 7.184** 0.020 0.029 VC has remidilution provision 0.027 5.223 0.318 7.184** 0.020 0.029 0.029 VC has remidilution provision 0.027 0.253 0.054 0.024 0.107 0.812 0.054 0.054 0.054 0.054 0.054 0.054 0.054 0.054 0.054 0.054 0.054 0.054 0.054 0.054 0.054 0.054 0.054 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055 0.055	VC has veto over asset sales	-0.100	0.704	0.171	2.075	-0.016	0.017
VC has veto over issuance of equity −0.122 1.055 0.200 2.832*** −0.010 0.008 VC has veto over other decisions −0.057 0.229 0.139 1.379 −0.010 0.008 VC ownership percentage >50% −0.016 0.019 −0.155 1.703 −0.020 0.029 VC ownership percentage increases if had performance 0.122 1.065 −0.079 0.444 0.158 1.769 VC's Board Seats / Total Board Seats >50% −0.123 1.073 −0.206 3.001* −0.014 0.014 VC's Board Seats / Total Board Seats >50% −0.123 1.073 −0.206 3.001* −0.014 0.014 VC's Board Seats increase if bad performance 0.175 2.187 −0.209 3.016* −0.014 0.014 VC's board seats increase if bad performance 0.175 2.187 −0.209 3.011* 0.014 0.014 0.014 VC's bad seats increase if bad performance 0.175 2.187 −0.209 3.116* −0.014 0.014 0.014 0.014 0.014	VC has veto over asset purchases	-0.054	0.210	0.170	2.046	-0.059	0.251
VC has veto over other decisions -0.057 0.229 0.139 1.379 -0.010 0.008 VC ownership percentage >50% 0.016 0.019 0.155 1.703 0.020 0.029 VC ownership percentage >50% -0.016 0.019 -0.155 1.703 0.020 0.029 VC worship percentage recesses if bad performance 0.122 1.055 -0.079 0.444 0.158 1.769 VC's Board Seats / Total Board Seats >50% 0.123 1.073 0.206 3.001* -0.014 0.014 VC's Board Seats / Total Board Seats <50%	VC has veto over changes in control	-0.145	1.500	0.266	5.021**	-0.077	0.419
VC has veto over other decisions -0.057 0.229 0.139 1.379 -0.010 0.008 VC ownership percentage >50% 0.016 0.019 0.155 1.703 -0.020 0.029 VC ownership percentage >50% -0.016 0.019 -0.155 1.703 0.020 0.029 VC ownership percentage >50% -0.016 0.019 -0.155 1.703 0.020 0.029 VCs Board Seats / Total Board Seats <50% -0.123 1.073 0.206 3.001* -0.014 0.014 VC's Board Seats / Total Board Seats <50% 0.123 1.073 -0.206 3.001* 0.014 0.014 VC's Board Seats increase if bad performance 0.175 2.187 -0.209 3.116* -0.014 0.014 VC's board Seats increase if bad performance 0.175 2.187 -0.209 3.101* 0.014 0.014 VC's board Seats increase if bad performance 0.175 2.187 -0.209 3.116* 0.014 0.014 VC's bas defeats (Full Seats of Seats <000 0.018 0.015	VC has veto over issuance of equity	-0.122	1.055	0.200	2.832**	-0.010	0.008
VC ownership percentage ≤0% −0.016 0.019 −0.155 1.703 0.020 0.029 VC ownership percentage increases if bad performance 0.122 1.055 −0.079 0.444 0.158 1.769 VC's Board Seats / Total Board Seats ≤0% 0.123 1.073 0.206 3.001* −0.014 0.014 VC's board Seats increase if bad performance 0.175 2.187 −0.209 3.116* −0.014 0.014 VC has right to replace CEO −0.099 0.690 0.194 2.680* 0.031 0.070 VC shares autuomatically convert upon IPO −0.072 0.370 0.185 2.438 −0.093 0.620 VC has right for first retural −0.078 0.431 −1.699 2.084 −0.093 0.620 VC has rose-sale agreement −0.030 0.062 0.171 2.075 −0.095 0.640 VC has rotection rights against new issues −0.060 0.253 0.054 0.204 0.107 0.812 VC has protection rights against new issues −0.060 0.253	* *				1.379		
VC ownership percentage ≤0% −0.016 0.019 −0.155 1.703 0.020 0.029 VC ownership percentage increases if bad performance 0.122 1.055 −0.079 0.444 0.158 1.769 VC's Board Seats / Total Board Seats ≤0% 0.123 1.073 0.206 3.001* −0.014 0.014 VC's board Seats increase if bad performance 0.175 2.187 −0.209 3.116* −0.014 0.014 VC has right to replace CEO −0.099 0.690 0.194 2.680* 0.031 0.070 VC shares autuomatically convert upon IPO −0.072 0.370 0.185 2.438 −0.093 0.620 VC has right for first retural −0.078 0.431 −1.699 2.084 −0.093 0.620 VC has rose-sale agreement −0.030 0.062 0.171 2.075 −0.095 0.640 VC has rotection rights against new issues −0.060 0.253 0.054 0.204 0.107 0.812 VC has protection rights against new issues −0.060 0.253							
VC ownership percentage ≤0% −0.016 0.019 −0.155 1.703 0.020 0.029 VC ownership percentage increases if bad performance 0.122 1.055 −0.079 0.444 0.158 1.769 VC's Board Seats / Total Board Seats ≤0% 0.123 1.073 0.206 3.001* −0.014 0.014 VC's board Seats increase if bad performance 0.175 2.187 −0.209 3.116* −0.014 0.014 VC has right to replace CEO −0.099 0.690 0.194 2.680* 0.031 0.070 VC shares autuomatically convert upon IPO −0.072 0.370 0.185 2.438 −0.093 0.620 VC has right for first retural −0.078 0.431 −1.699 2.084 −0.093 0.620 VC has rose-sale agreement −0.030 0.062 0.171 2.075 −0.095 0.640 VC has rotection rights against new issues −0.060 0.253 0.054 0.204 0.107 0.812 VC has protection rights against new issues −0.060 0.253	VC ownership percentage >50%	0.016	0.019	0.155	1.703	-0.020	0.029
VC ownership percentage increases if bad performance 0.122 1.055 -0.079 0.444 0.158 1.769 VC's Board Seats / Total Board Seats ≤50% -0.123 1.073 0.206 3.001* -0.014 0.014 VC's Board Seats / Total Board Seats ≤50% 0.123 1.073 -0.206 3.001* 0.014 0.014 VC's board seats increase if bad performance 0.175 2.187 -0.209 3.116* -0.014 0.014 VC has right to replace CEO -0.099 0.690 0.194 2.680* 0.031 0.070 VC has right of first refusal -0.072 0.370 0.185 2.438 -0.093 0.620 VC has right of first refusal -0.078 0.431 0.169 2.038 -0.093 0.620 VC has reduction rights against revisues -0.060 0.253 0.0171 2.075 -0.095 0.640 VC has redemplion rights 0.033 0.077 0.016 0.109 0.838 VC has demand registration rights -0.060 0.253 0.054 0.22							
VC's Board Seats / Total Board Seats < 50%							
VC's Board Seats / Total Board Seats < 50% 0.123 1.073 -0.206 3.001* 0.014 0.014 VC's board seats increase if bad performance 0.175 2.187 -0.209 3.116* -0.014 0.014 VC has right to replace CEO -0.099 0.690 0.194 2.680* 0.031 0.070 VC has right of first refusal -0.072 0.370 0.185 2.438 -0.033 0.620 VC has right of first refusal -0.078 0.431 0.169 2.038 -0.026 0.049 VC has a greement -0.030 0.062 0.171 2.075 -0.095 0.640 VC has protection rights against new issues -0.060 0.253 0.054 0.204 0.107 0.812 VC has protection rights against new issues -0.060 0.253 0.054 0.204 0.107 0.812 VC has protection rights against new issues -0.060 0.253 0.054 0.204 0.107 0.812 VC has protection rights against new issues -0.060 0.033 0.077 </td <td>vo ownership percentage increases in bad performance</td> <td>0.122</td> <td>1.000</td> <td>-0.073</td> <td>0.444</td> <td>0.100</td> <td>1.700</td>	vo ownership percentage increases in bad performance	0.122	1.000	-0.073	0.444	0.100	1.700
VC's Board Seats / Total Board Seats < 50% 0.123 1.073 -0.206 3.001* 0.014 0.014 VC's board seats increase if bad performance 0.175 2.187 -0.209 3.116* -0.014 0.014 VC has right to replace CEO -0.099 0.690 0.194 2.680* 0.031 0.070 VC has right of first refusal -0.072 0.370 0.185 2.438 -0.033 0.620 VC has right of first refusal -0.078 0.431 0.169 2.038 -0.026 0.049 VC has a greement -0.030 0.062 0.171 2.075 -0.095 0.640 VC has protection rights against new issues -0.060 0.253 0.054 0.204 0.107 0.812 VC has protection rights against new issues -0.060 0.253 0.054 0.204 0.107 0.812 VC has protection rights against new issues -0.060 0.253 0.054 0.204 0.107 0.812 VC has protection rights against new issues -0.060 0.033 0.077 </td <td>VC's Board Seats / Total Board Seats >50%</td> <td>0.123</td> <td>1.073</td> <td>0.206</td> <td>3.001*</td> <td>0.014</td> <td>0.014</td>	VC's Board Seats / Total Board Seats >50%	0.123	1.073	0.206	3.001*	0.014	0.014
VC's board seats increase if bad performance 0.175 2.187 -0.209 3.116* -0.014 0.014 VC has right to replace CEO -0.099 0.690 0.194 2.680* 0.031 0.070 VC has right to first refusal -0.078 0.431 0.185 2.438 -0.093 0.620 VC has co-sale agreement -0.030 0.062 0.171 2.075 -0.095 0.640 VC has co-sale agreement -0.030 0.062 0.171 2.075 -0.095 0.640 VC has a middlution provision -0.271 5.223 0.318 7.184**** 0.020 0.029 VC has protection rights against new issues -0.060 0.253 0.054 0.204 0.107 0.812 VC has redemption rights 0.033 0.077 0.416 0.289 5.929*** -0.201 2.870* VC has demand registration rights -0.216 3.301* 0.367 9.566**** 0.051 0.186 VC has control over exit -0.145 1.500 0.138 1.359 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
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VC shares auutomatically convert upon IPO -0.072 0.370 0.185 2.438 -0.093 0.620 VC has right of first refusal -0.078 0.431 0.169 2.038 -0.026 0.049 VC has co-sale agreement -0.030 0.062 0.171 2.075 -0.095 0.640 VC has antidilution provision -0.271 5.223 0.318 7.184*** 0.020 0.029 VC has protection rights against new issues -0.060 0.253 0.054 0.204 0.107 0.812 VC has redemption rights 0.033 0.077 -0.015 0.016 -0.109 0.838 VC has information rights in operating plans and financials -0.077 0.416 0.289 5.929** -0.201 2.870* VC has demand registration rights -0.216 3.301* 0.367 9.586*** 0.051 0.188 VC has piggyback registration rights -0.239 0.000 0.332 0.000 0.252 4.511*** VC has control over exit -0.145 1.500 0.138	VO I I	0.000	0.000	0.404	0.0004	0.004	0.070
VC has right of first refusal -0.078 0.431 0.169 2.038 -0.026 0.049 VC has co-sale agreement -0.030 0.062 0.171 2.075 -0.095 0.640 VC has protection rights against new issues -0.060 0.253 0.054 0.204 0.107 0.812 VC has redemption rights 0.033 0.077 -0.016 0.016 -0.109 0.838 VC has information rights in operating plans and financials -0.077 0.416 0.289 5.929** -0.201 2.870* VC has demand registration rights -0.216 3.301* 0.367 9.586*** 0.051 0.186 VC has piggyback registration rights -0.239 0.000 0.332 0.000 0.252 4.511** VC has control over exit -0.145 1.500 0.138 1.359 0.079 0.443 Other syndicated VC has control over exit 0.125 1.108 -0.225 3.578* 0.091 0.586 Founder has control over exit 0.160 1.811 0.070							
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VC has redemption rights 0.033 0.077 -0.015 0.016 -0.109 0.838 VC has information rights in operating plans and financials -0.077 0.416 0.289 5.929** -0.201 2.870* VC has demand registration rights -0.216 3.301* 0.367 9.586*** 0.051 0.186 VC has piggyback registration rights -0.239 0.000 0.332 0.000 0.252 4.511** VC has control over exit -0.145 1.500 0.138 1.359 0.079 0.443 Other syndicated VC has control over exit 0.125 1.108 -0.225 3.578* 0.091 0.586 Founder has control over exit 0.077 0.416 0.003 0.001 -0.156 1.724 Respondent is Lead VC 0.160 1.811 0.070 0.347 -0.201 2.870* Syndication 0.251 4.487** -0.380 10.261*** 0.123 1.073 Seed -0.203 2.918* 0.097 0.535 0.064 0.2	VC has antidilution provision	-0.271	5.223	0.318	7.184***	0.020	0.029
VC has information rights in operating plans and financials -0.077 0.416 0.289 5.929** -0.201 2.870* VC has demand registration rights -0.216 3.301* 0.367 9.586*** 0.051 0.186 VC has piggyback registration rights -0.239 0.000 0.332 0.000 0.252 4.511** VC has control over exit -0.145 1.500 0.138 1.359 0.079 0.443 Other syndicated VC has control over exit 0.125 1.108 -0.225 3.578* 0.091 0.586 Founder has control over exit 0.077 0.416 0.003 0.001 -0.156 1.724 Respondent is Lead VC 0.160 1.811 0.070 0.347 -0.201 2.870* Syndication 0.251 4.487** -0.380 10.261**** 0.123 1.073 Seed -0.203 2.918* 0.087 0.535 0.064 0.295 Early 0.050 0.176 -0.069 0.340 -0.031 0.068	VC has protection rights against new issues	-0.060	0.253	0.054	0.204	0.107	0.812
VC has demand registration rights -0.216 3.301* 0.367 9.586*** 0.051 0.186 VC has piggyback registration rights -0.239 0.000 0.332 0.000 0.252 4.511*** VC has control over exit -0.145 1.500 0.138 1.359 0.079 0.443 Other syndicated VC has control over exit 0.125 1.108 -0.225 3.578* 0.091 0.586 Founder has control over exit 0.077 0.416 0.003 0.001 -0.156 1.724 Respondent is Lead VC 0.160 1.811 0.070 0.347 -0.201 2.870* Syndication 0.251 4.487** -0.380 10.261*** 0.123 1.073 Seed -0.203 2.918* 0.087 0.535 0.064 0.295 Early 0.050 0.176 -0.069 0.340 -0.031 0.068 Expansion 0.123 1.072 -0.171 2.074 -0.035 0.089 Late 0.233		0.033	0.077	-0.015	0.016	-0.109	0.838
VC has piggyback registration rights -0.239 0.000 0.332 0.000 0.252 4.511** VC has control over exit -0.145 1.500 0.138 1.359 0.079 0.443 Other syndicated VC has control over exit 0.125 1.108 -0.225 3.578* 0.091 0.586 Founder has control over exit 0.077 0.416 0.003 0.001 -0.156 1.724 Respondent is Lead VC 0.160 1.811 0.070 0.347 -0.201 2.870* Syndication 0.251 4.487** -0.380 10.261*** 0.123 1.073 Seed -0.203 2.918* 0.087 0.535 0.064 0.295 Early 0.050 0.176 -0.069 0.340 -0.031 0.088 Expansion 0.123 1.072 -0.171 2.074 -0.035 0.089 Late 0.233 3.840** -0.140 1.386 -0.126 0.000 Tumaround -0.080 0.000	VC has information rights in operating plans and financials	-0.077	0.416	0.289	5.929**	-0.201	2.870*
VC has control over exit Other syndicated VC Other has control over exit Other has control over exit. Other has co	VC has demand registration rights	-0.216	3.301*	0.367	9.586***	0.051	0.186
Other syndicated VC has control over exit 0.125 1.108 -0.225 3.578* 0.091 0.586 Founder has control over exit 0.077 0.416 0.003 0.001 -0.156 1.724 Respondent is Lead VC 0.160 1.811 0.070 0.347 -0.201 2.870* Syndication 0.251 4.487** -0.380 10.261*** 0.123 1.073 Seed -0.203 2.918* 0.087 0.535 0.064 0.295 Early 0.050 0.176 -0.069 0.340 -0.031 0.068 Expansion 0.123 1.072 -0.171 2.074 -0.035 0.089 Late 0.233 3.840** -0.140 1.386 -0.126 0.000 Turnaround -0.080 0.000 -0.128 0.000 0.231 0.000 Buyout -0.110 0.866 0.283 5.703** 0.016 0.017 High-Tech 0.004 0.001 -0.122 1.060 <td>VC has piggyback registration rights</td> <td>-0.239</td> <td>0.000</td> <td>0.332</td> <td>0.000</td> <td>0.252</td> <td>4.511**</td>	VC has piggyback registration rights	-0.239	0.000	0.332	0.000	0.252	4.511**
Other syndicated VC has control over exit 0.125 1.108 -0.225 3.578* 0.091 0.586 Founder has control over exit 0.077 0.416 0.003 0.001 -0.156 1.724 Respondent is Lead VC 0.160 1.811 0.070 0.347 -0.201 2.870* Syndication 0.251 4.487** -0.380 10.261*** 0.123 1.073 Seed -0.203 2.918* 0.087 0.535 0.064 0.295 Early 0.050 0.176 -0.069 0.340 -0.031 0.068 Expansion 0.123 1.072 -0.171 2.074 -0.035 0.089 Late 0.233 3.840** -0.140 1.386 -0.126 0.000 Turnaround -0.080 0.000 -0.128 0.000 0.231 0.000 Buyout -0.110 0.866 0.283 5.703** 0.016 0.017 High-Tech 0.004 0.001 -0.122 1.060 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
Respondent is Lead VC 0.160 1.811 0.070 0.347 -0.201 2.870*	VC has control over exit	-0.145	1.500	0.138	1.359	0.079	0.443
Respondent is Lead VC 0.160 1.811 0.070 0.347 -0.201 2.870*	Other syndicated VC has control over exit	0.125	1.108	-0.225	3.578*	0.091	0.586
Respondent is Lead VC 0.160 1.811 0.070 0.347 -0.201 2.870*	Founder has control over exit	0.077	0.416	0.003	0.001	-0.156	1.724
Syndication 0.251 4.487** -0.380 10.261*** 0.123 1.073 Seed -0.203 2.918* 0.087 0.535 0.064 0.295 Early 0.050 0.176 -0.069 0.340 -0.031 0.068 Expansion 0.123 1.072 -0.171 2.074 -0.035 0.089 Late 0.233 3.840** -0.140 1.386 -0.126 0.000 Turnaround -0.080 0.000 -0.128 0.000 0.231 0.000 Buyout -0.110 0.866 0.283 5.703** 0.016 0.017 High-Tech 0.004 0.001 -0.122 1.060 -0.036 0.094 Medical/Biotech -0.046 0.151 -0.025 0.045 0.034 0.081 Electronic/Computer 0.050 0.179 -0.025 0.045 -0.075 0.403			1		1		
Syndication 0.251 4.487** -0.380 10.261*** 0.123 1.073 Seed -0.203 2.918* 0.087 0.535 0.064 0.295 Early 0.050 0.176 -0.069 0.340 -0.031 0.068 Expansion 0.123 1.072 -0.171 2.074 -0.035 0.089 Late 0.233 3.840** -0.140 1.386 -0.126 0.000 Turnaround -0.080 0.000 -0.128 0.000 0.231 0.000 Buyout -0.110 0.866 0.283 5.703** 0.016 0.017 High-Tech 0.004 0.001 -0.122 1.060 -0.036 0.094 Medical/Biotech -0.046 0.151 -0.025 0.045 0.034 0.081 Electronic/Computer 0.050 0.179 -0.025 0.045 -0.075 0.403	Respondent is Lead VC	0.160	1.811	0.070	0.347	-0.201	2.870*
Seed -0.203 2.918* 0.087 0.535 0.064 0.295 Early 0.050 0.176 -0.069 0.340 -0.031 0.068 Expansion 0.123 1.072 -0.171 2.074 -0.035 0.089 Late 0.233 3.840** -0.140 1.386 -0.126 0.000 Turnaround -0.080 0.000 -0.128 0.000 0.231 0.000 Buyout -0.110 0.866 0.283 5.703** 0.016 0.017 High-Tech 0.004 0.001 -0.122 1.060 -0.036 0.094 Medical/Biotech -0.046 0.151 -0.025 0.045 0.034 0.081 Electronic/Computer 0.050 0.179 -0.025 0.045 -0.075 0.403	·						
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Early 0.050 0.176 -0.069 0.340 -0.031 0.068 Expansion 0.123 1.072 -0.171 2.074 -0.035 0.089 Late 0.233 3.840** -0.140 1.386 -0.126 0.000 Turnaround -0.080 0.000 -0.128 0.000 0.231 0.000 Buyout -0.110 0.866 0.283 5.703** 0.016 0.017 High-Tech 0.004 0.001 -0.122 1.060 -0.036 0.094 Medical/Biotech -0.046 0.151 -0.025 0.045 0.034 0.081 Electronic/Computer 0.050 0.179 -0.025 0.045 -0.075 0.403	Seed	-0.203	2.918*	0.087	0.535	0.064	0.295
Expansion 0.123 1.072 -0.171 2.074 -0.035 0.089 Late 0.233 3.840** -0.140 1.386 -0.126 0.000 Turnaround -0.080 0.000 -0.128 0.000 0.231 0.000 Buyout -0.110 0.866 0.283 5.703** 0.016 0.017 High-Tech 0.004 0.001 -0.122 1.060 -0.036 0.094 Medical/Biotech -0.046 0.151 -0.025 0.045 0.034 0.081 Electronic/Computer 0.050 0.179 -0.025 0.045 -0.075 0.403							
Late 0.233 3.840** -0.140 1.386 -0.126 0.000 Turnaround -0.080 0.000 -0.128 0.000 0.231 0.000 Buyout -0.110 0.866 0.283 5.703** 0.016 0.017 High-Tech 0.004 0.001 -0.122 1.060 -0.036 0.094 Medical/Biotech -0.046 0.151 -0.025 0.045 0.034 0.081 Electronic/Computer 0.050 0.179 -0.025 0.045 -0.075 0.403							
Turnaround Buyout -0.080 -0.110 0.000 0.866 -0.128 0.283 0.000 5.703*** 0.231 0.016 0.001 0.017 High-Tech Medical/Biotech Electronic/Computer 0.004 0.050 0.01 0.151 -0.025 0.025 0.045 0.045 0.034 0.081 0.093 0.091 0.081	· ·						
Buyout -0.110 0.866 0.283 5.703** 0.016 0.017 High-Tech 0.004 0.001 -0.122 1.060 -0.036 0.094 Medicall/Biotech -0.046 0.151 -0.025 0.045 0.034 0.081 Electronic/Computer 0.050 0.179 -0.025 0.045 -0.075 0.403							
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Medical/Biotech -0.046 0.151 -0.025 0.045 0.034 0.081 Electronic/Computer 0.050 0.179 -0.025 0.045 -0.075 0.403	Buyout	-0.110	0.866	0.283	5.703**	0.016	0.017
Medical/Biotech -0.046 0.151 -0.025 0.045 0.034 0.081 Electronic/Computer 0.050 0.179 -0.025 0.045 -0.075 0.403							
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	Communication/Internet	0.001	0.000	-0.087	0.542	-0.009	0.006

						tions A			•									
This table presents correlation coefficients	across e	xplanato	ry variab	iles used					les. Cor	relation (coefficier	nts that a	re signifi	cant at th	ne 5% le	vel of sig	nificance	e are
					n	nighlighte	d in boid	font.										
	Seed	Early	Expansion	Buyout	Lead Investor	# Syndicated Partners	Ownership% >50%	VCBoard% >50%	Book Value	Common Equity	Convertible Preferred Equity	Mixed Debt and/or Preferred and Common	High-Tech (All)	Biotech / Medical	Electronics / Computer	Communications / Internet	Preplanned IPO	Preplanned Acquisition Exit
Seed	1.000																	
Early	-0.195	1.000																
Expansion	-0.267	-0.352	1.000															
Buyout	-0.244	-0.322	-0.442	1.000														
Lead Investor	0.016	0.251	-0.126	-0.166	1.000													
# Syndicated Partners	-0.196	-0.401	0.140	0.328	-0.400	1.000												
Ownership% >50%	0.022	-0.352	-0.138	0.415	-0.263	0.327	1.000											
VCBoard% >50%	0.142	-0.221	0.007	0.044	-0.170	0.251	0.449	1.000										
Book Value	-0.164	-0.188	-0.085	0.380	0.196	0.136	0.122	0.036	1.000									
Common Equity	-0.107	0.013	0.210	-0.183	0.104	-0.097	-0.084	-0.045	0.003	1.000								
Convertible Preferred Equity	0.229	0.248	-0.076	-0.256	0.086	-0.227	-0.286	-0.044	-0.123	-0.411	1.000							
Mixed Debt and/or Preferred and Common	0.161	-0.175	0.181	-0.165	-0.085	0.028	0.128	0.187	-0.135	-0.300	-0.162	1.000						
High-Tech	0.274	0.346	0.019	-0.424	0.164	-0.374	-0.276	-0.059	-0.253	0.072	0.232	-0.014	1.000					
Biotech / Medical	-0.099	0.205	0.112	-0.175	0.128	-0.146	-0.113	-0.011	-0.072	0.143	-0.035	-0.146	0.352	1.000				
Electronics / Computer	0.053	0.102	-0.076	-0.039	0.110	-0.181	-0.076	-0.151	-0.064	0.065	-0.069	-0.035	0.392	-0.199	1.000			
Communications / Internet	0.342	0.131	-0.003	-0.298	-0.018	-0.140	-0.151	0.075	-0.169	-0.094	0.351	0.135	0.490	-0.249	-0.278	1.000		
Preplanned IPO	-0.074	-0.073	0.138	-0.082	0.124	0.107	-0.060	-0.098	0.249	0.145	0.005	-0.053	0.026	-0.092	-0.175	0.259	1.000	
Preplanned Acquisition Exit	0.115	-0.096	-0.068	0.094	-0.053	0.146	0.202	0.160	-0.008	-0.181	0.119	-0.011	-0.027	-0.128	-0.115	0.177	-0.201	1.00

Table 5a. Determinants of Security Choice

This table presents binomial logit estimates of the determinants of the selected security choice based on entrepreneurial firm characteristics, VC fund characteristics, the book value of the investment, whether the VC was lead investor, the number of syndicated partners, and the VC's board seats. """ Significant at the 10%, 5% and 1% levels, respectively. Na: Not Applicable. Inclusion of variable caused perfect collinearity problems.

		Binomial Logit Model Dependent Variables												
	Commo	n Equity	Convertible P	referred Equity	Mixed Preferre	d and Common	Mixed Debt and/or Pr	referred and Common						
Explanatory Variables	Coefficient	t-statistic	Coefficient	t-statistic	Coefficient	t-statistic	Coefficient	t-statistic						
Investor Fixed Effects?	Y	es I	Y	es	Y	es I	Y	es I						
Seed	-1.2534	-1.1927	2.4459	1.4281	-1.9957	-1.3867	-0.2368	-0.2084						
Early	-0.9651	-1.1451	4.2387	2.5691**	-1.9945	-1.6258	NA	NA						
Expansion	-0.7211	-1.0923	2.7785	1.9928**	-2.1944	-2.1816**	2.4139	1.9832**						
Book Value	-0.00001	-0.3850	0.000004	0.0670	0.00004	1.4555	-0.0006	-2.3414**						
Lead Investor	0.4228	0.6581	-4.6260	-3.6680***	-2.3751	-2.1754**	-1.7702	-1.8840*						
# Syndicated Investors	0.1042	0.3083	-1.2919	-2.2698**	-0.3882	-0.8542	-1.6687	-2.0415**						
Preplanned IPO	1.1900	1.3296	-0.4261	-0.3311	-1.4170	-1.0929	-2.6401	-1.4366						
Preplanned Acquisition	-0.7124	-1.0705	-0.3350	-0.3363	-0.4399	-0.5375	-1.4318	-1.0621						
Medical / Biotech	-1.4120	-1.6206	1.2966	1.0400	1.0536	0.9128	NA	NA						
Electronics / Computer	0.1543	0.2082	-1.5754	-1.2183	-1.2407	-1.5323	-0.3238	-0.2616						
Communications / Internet	-1.7885	-2.1578**	-2.8698	-1.6315	0.3741	0.3179	-0.4259	-0.3301						
	Predicted	Outcomes	Predicted	Outcomes	Predicted	Outcomes	Predicted	Outcomes						
Actual Outcomes	No	Yes	No	Yes	No	Yes	No	Yes						
No	61	14	101	7	90	12	115	3						
Yes	17	40	10	4	14	16	8	6						

Table 5b (part 1). Determinants of Security Choice

This table presents multinomial logit estimates of the determinants of the selected security choice based on entrepreneurial firm characteristics, VC fund characteristics, the book value of the investment, whether the VC was lead investor, the number of syndicated partners, and the VC's board seats. *,**,****

Significant at the 10%, 5% and 1% levels, respectively.

		Mu	Iltinomial Logit Mod	el Dependent Variab	les	
	Log _e (P _{Common} /I	P _{ConvertiblePreferred})	Log _e (P _{Common} /	P _{MixedPred-Common})	Log _e (P _{Common} /P	MixedDebt-Pref-Common)
Explanatory Variables	Coefficient	t-statistic	Coefficient	t-statistic	Coefficient	t-statistic
Constant	2.8608	1.9217*	1.4485	1.2581	-0.0376	-0.0343
Seed	-2.9248	-1.9623**	0.6067	0.4374	0.3127	0.3096
Early	-2.8634	-1.9903**	0.4887	0.4977	1.4334	1.3999
Expansion	-1.4325	-1.1165	1.5712	2.1034**	1.0524	1.6601**
Book Value	-0.00002	-0.5168	-0.00002	-0.7950	0.00005	1.0870
Lead Investor	0.2479	0.3457	-1.2327	-1.2636	-0.7969	-0.9177
# Syndicated Investors	0.1017	0.2816	0.1057	0.2865	0.3303	0.7940
Preplanned IPO	0.2915	0.3100	0.8101	0.7390	1.7977	1.4996
Preplanned Acquisition	-1.0148	-1.3975	-0.8458	-1.2468	0.0446	0.0652
Medical / Biotech	0.6955	0.7081	-0.3625	-0.4225	1.3947	1.2022
Electronics / Computer	0.8826	0.8817	0.2525	0.2985	0.0380	0.0545
Communications / Internet	-0.6443	-0.7484	0.4684	0.4377	-0.4032	-0.4896
		Predicted	Outcomes			
Actual Outcomes	Common	Conv. Preferred	Mixed Pref+Com	Mixed Debt+Com		
Common	42	6	2	7		
Convertible Preferred	11	11	1	1		
Mixed Pref + Common	8	0	7	8		
Mixed Debt + Common	13	3	5	7	Table contir	ues below

Table 5b (part 2). Determinants of Security Choice

This table presents multinomial logit estimates of the determinants of the selected security choice based on entrepreneurial firm characteristics, VC fund characteristics, the book value of the investment, whether the VC was lead investor, the number of syndicated partners, and the VC's board seats. *,**,*** Significant at the 10%, 5% and 1% levels, respectively.

			Multinomial Logit Mo	del Dependent Variable	es	
	Log _e (P _{Convertible Prefer}	red / P _{MixedPref-Common})	Log _e (P _{Convertible Preferre}	ed / P _{MixedDebt-Pref-Common})	Log _e (P _{MixedPref-Commo}	n /P _{MixedDebt-Pref-Common})
Explanatory Variables	Coefficient	t-statistic	Coefficient	t-statistic	Coefficient	t-statistic
Constant	-1.4123	-0.8133	-2.8985	-1.7119	-1.4862	-1.0627
Seed	3.5315	1.9251*	3.2376	2.0613**	-0.2940	-0.2019
Early	3.3521	2.1064**	4.2968	2.6613***	0.9447	0.7766
Expansion	3.0037	2.1689**	2.4849	1.8633*	-0.5188	-0.6309
Book Value	0.000002	0.0481	0.0001	1.2214	0.0001	1.4533
Lead Investor	-1.4805	-1.3539	-1.0448	-1.0642	0.4357	0.3643
# Syndicated Investors	0.0040	0.0087	0.2286	0.4632	0.2247	0.4767
Preplanned IPO	0.5186	0.3852	1.5061	1.0887	0.9876	0.6619
Preplanned Acquisition	0.1689	0.1990	1.0593	1.3094	0.8904	1.1998
Medical / Biotech	-1.0581	-0.8953	0.6992	0.4945	1.7573	1.3715
Electronics / Computer	-0.6300	-0.5256	-0.8445	-0.7662	-0.2145	-0.2370
Communications / Internet	1.1127	0.9083	0.2411	0.2405	-0.8716	-0.7556

Table 6. Determinants of VC Ownership %

This table presents OLS and binomial logit estimates of the determinants of the VC ownership % based on entrepreneurial frm characteristics, VC fund characteristics, the book value of the investment, whether the VC was lead investor, the number of syndicated partners, and the VC's board seats. """ Significant at the 10%, 5% and 1% levels, respectively. NA: Not Applicable; inclusion of variable caused perfect collinearity problems, or the variable was not economically meangingful.

-			Binomial Logit R	egressions				OLS	Regressions	
	Responden	t VC % > 50%	Respondent + Syndio	cated VCs' % > 50%	VC Equity Incr. if P	oor Perform.	Responde	ent VC %	Respondent + Syr	ndicated VCs'
Explanatory Variables	Coefficient	t-statistic	Coefficient	t-statistic	Coefficient	t-statistic	Coefficient	t-statistic	Coefficient	t-statistic
Investor Fixed Effects?	,	∕es I	Ye	s I	Yes	l i	Υe	ls I	Ye	s I
Seed	2.4778	1.9606**	0.5493	0.4293	-4.0822	-2.6181***	4.7028	0.6201	17.3182	2.2701**
Early	NA	NA	-1.7704	-1.4711	-3.1694	-2.8776***	-12.7675	-1.7943*	-12.5406	-1.7546*
Expansion	-2.7493	-2.2415**	-2.3957	-2.5580**	-0.2107	-0.3602	-14.7713	-2.3589**	-13.0191	-2.1839**
Book Value	0.00003	0.9260	0.0001	1.7922*	-0.00001	-0.3935	0.00009	0.6581	0.00010	0.6849
Common Equity	-1.0697	-1.3790	-0.4749	-0.6511	0.3317	0.6032	0.41640	0.0930	1.18451	0.2459
Convertible Preferred Equity	-2.6640	-1.5966	-1.2285	-1.0354	2.3326	2.6367***	-0.59686	-0.1090	1.56817	0.2225
Mixed Debt and Common Equity	1.8049	1.1831	0.6479	0.5733	NA	NA	16.48120	2.4759**	17.84120	2.3332**
Lead Investor	-0.0069	-0.0082	NA	NA	-1.2547	-2.7688***	6.5641	1.3491	NA	NA
# Syndicated Investors	-1.8534	-3.1261***	0.4784	1.2956	-0.0209	-0.0658	-8.3636	-3.3595***	2.9746	1.3812
Preplanned IPO	0.7999	0.5034	-1.3185	-1.0711	0.2923	0.3583	-1.9516	-0.3721	-2.2986	-0.3146
Preplanned Acquisition	2.0370	2.1277**	0.9738	1.2586	0.9612	1.6719*	1.7541	0.4057	7.0797	1.5110
Medical / Biotech	-2.0253	-1.4692	-2.4193	-1.9597*	1.1343	1.5810	1.7497	0.3037	0.0668	0.0135
Electronics / Computer	-0.6078	-0.7557	-0.9521	-1.1228	-0.3833	-0.5311	2.5344	0.6798	5.7801	1.6278
Communications / Internet	-3.5400	-2.4430**	-3.5093	-2.8352***	-0.8898	-1.1278	-0.9707	-0.1757	-2.5912	-0.4816
	Predicted	Outcomes	Predicted 0	Outcomes	Predicted Ou	tcomes		 		
Actual Outcomes	No	Yes	No	Yes	No	Yes	Adjuste	d R ² =	Adjuste	d R ² =
No	78	11	52	13	98	5	0.56		0.53	
Yes	12	31	8	59	21	8		l		

Table 7. Determinants of VC Board %

This table presents OLS and binomial logit estimates of the determinants of the VC board % based on entrepreneurial firm characteristics, VC fund characteristics, the book value of the investment, whether the VC was lead investor, the number of syndicated partners, and the VC's board seats. ",**,*** Significant at the 10%, 5% and 1% levels, respectively. NA: Not Applicable; inclusion of variable caused perfect collinearity problems, or the variable was not economically meangingful.

			Binon	nial Logit Regress	sions		OLS Regressions					
	Respondent	VC % > 50%	Resp. + Synd.	. VCs' % > 50%	VC Board Seats In	crease if Poor Perform.	Responde	ent VC %	pondent + Sy	ndicated VC		
Explanatory Variables	Coefficient	t-statistic	Coefficient	t-statistic	Coefficient	t-statistic	Coefficient	t-statistic	Coefficient	t-statistic		
Investor Fixed Effects?	Ye	es I	Y	es I		Yes	Ye	es I	Ye	es I		
Seed	NA	NA	-1.9127	-1.4973	NA	NA	0.0359	0.9567	-0.0474	-0.6981		
Early	NA	NA	-1.2793	-1.2283	0.8605	0.6791	-0.0313	-0.8546	-0.0068	-0.1075		
Expansion	-1.5515	-1.8077*	-2.2410	-2.3778**	2.7027	3.0479***	-0.0069	-0.2428	-0.0147	-0.3613		
Book Value	-0.0001	-1.8033*	0.00001	0.3600	0.00004	1.3398	-0.000001	-1.0762	0.00000	0.1638		
Common Equity	-1.4939	-1.7405*	0.8066	1.0695	1.0892	1.3803	-0.03413	-1.5016	-0.00541	-0.1391		
Convertible Preferred Equity	NA	NA	-0.8664	-0.8124	3.14442	3.1259***	-0.09024	-2.6476**	-0.15353	-2.4492**		
Mixed Debt and Common Equity	NA	NA	0.3052	0.2457	1.1998	1.1465	-0.05627	-1.4788	-0.09295	-1.5829		
Lead Investor	NA	NA	NA	NA	NA	NA	0.0606	2.0132**	NA	NA		
# Syndicated Investors	NA	NA	0.6719	1.6487	0.4358	0.9930	0.0237	1.7468*	0.0609	2.8387		
Preplanned IPO	NA	NA	-3.2160	-2.4242**	-0.3942	-0.3894	-0.0896	-2.9273***	-0.1426	-2.7482***		
Preplanned Acquisition	-1.6753	-1.8865*	-2.0844	-2.1568**	-0.5150	-0.6672	0.0010	0.0395	-0.0149	-0.4433		
Medical / Biotech	-1.6753	-1.8865*	-0.4973	-0.4766	1.8556	2.1868**	-0.0117	-0.3931	0.0306	0.5940		
Electronics / Computer	-2.9062	-2.3669**	-0.8829	-1.1288	0.7793	0.8017	-0.0330	-1.4640	-0.0156	-0.3700		
Communications / Internet	-1.9113	-1.8032*	-0.3571	-0.3470	0.5658	0.6234	-0.0139	-0.4135	-0.0611	-1.1847		
Respondent VC Ownership %	0.0367	3.2127***	NA	NA	0.0522	2.9619***	0.0036	6.7283***	NA	NA		
Total VC Ownership %	NA	NA	0.0335	3.0811***	NA	NA	NA	NA	0.0043	4.9879***		
	Predicted (Outcomes	Predicted	Outcomes	Predicte	d Outcomes						
Actual Outcomes	No	Yes	No	Yes	No	Yes	Adjuste	I ed R ² =	Adjuste	I ed R ² =		
No	104	7	58	14	108	3	0.64	317	0.46			
Yes	9	12	14	46	14	7		l		l		

Yes

115

Yes

Table 8. Determinants of Contingencies (Contractual Incentives Not Directly Part of the Security; see Appendix A) This table presents regressions for the determinants of contingencies in venture capital contracts that directly affect either the entrepreneur or the venture capitalist. *, **, *** Significant at the 10%, 5%, and 1% levels, respectively. NA: Not Applicable; inclusion of variable caused perfect collinearity problems. Entrepreneurs' Contingencies (Incentives): Venture Capitalist's Contingencies (Incentives): Certain Actions Sale of Equity Financial Performance Coeficient t-statistic Coeficient t-statistic **Explanatory Variables** Coeficient t-statistic Coeficient t-statistic Coeficient t-statistic Coeficient t-statistic Coeficient t-statistic oeficient t-statisti Fixed Effect VC Fund Dummies Seed -1.3181 -1.0600 NA NA NA NA NA NA 1.7762 0.9692 0.3201 0.1738 NA NA NA NA 0.3798 0.4319 -0.9802 -1.1723 -0.2962 Early 0.4651 0.5559 0.3058 0.4051 NA NA 1.5336 0.8931 -1.9451 -2.3730 -0.2880 -0.9062 -1.1524 -1.2294 Expansion -0.2060 -0.2884 0.1558 0.1867 -0.3617 -0.4714 -1.2119 -1.0534 1.4588 0.7963 -0.4638 -0.2662 -1.7333 Lead Investor NA NA NA -2.2949* -2.8569* -2.9811 -1.8074* 0.0689 0.1076 NA NA -3.6570 # Syndicated Investors 0.1210 0.3805 -0.1260 -0.3292 -0.1713 -0.4354 -1.2395 -2.1949 -2.3444** -1.6069 -1.9191* -1.1815 -0.9716 -1.9144* -0.8542 -1.0999 1.0284 VC Owner % >50% -1.6162 -2.3330 -1.3033 -1.95631 -1.1676 -1.6624* -0.8501 -1.3910 -1.6433 -0.7187 0.0001 1.5303 -0.0002 -1.8555* -0.0001 -1.7630* -0.0001 -1.2335 -0.0001 -0.9304 -0.0001 -0.5607 -0.0006 -1.0988 -0.00002 -1.7911 -1.4281 -1.0116 -0.5932 -0.8241 -4.3338 -2.2280° -3.6972 -0.5649 -6.4843 -1.8872 Common Equity Convertible Preferred Equity 2.0970 -0.7206 -1.1268 3.1596 1.9794** -1.6506 -0.7802 -0.9970 2.6864 2.9040** -1.3021 -0.4758 1.7087* 1.4239 1.6266 -1.5589 0.7352 -0.2644 Computer / Electronics -1.8221* -0.3820 -0.4423 -1.0678 -1.1659 -30.1400 -0.00003 -0.6070 0.4326 -2.0828 -1.6558* Communication / Internet -1.4071 -1.5017 0.0999 0.1098 0.8116 0.8511 -4.8427 -2.8322* -2.5193 -1.5243 -0.4714 -0.3127 1.0043 0.4046 -1.6455 -1.4388 Preplanned IPO -1.4614 -1.4017 -0.5114 -0.4987 0.4550 0.4840 4.0103 2.0099* 0.5079 0.3559 3.9198 2.3332** 8.5758 2.1290 3.2821 2.3514* Preplanned Acquisition -0.2090 -0.3039 -0.3540 -0.4285 -1.0413 -1.1201 0.6505 0.5626 0.2603 0.2780 3.6202 2 5493** 5 2542 1.5778 1 0465 -0.9735

Yes No

120

Yes

Actual Outcomes

Yes

No

89 19 Yes

13

Table 9. Determinants of Veto Rights

This table presents the determinants of veto rights, as a function of entrepreneurial firm characteristics and the structure of the contract. *, **, *** Significant at the 10%, 5%, and 1% levels, respectively. NA: Not Applicable; inclusion of variable caused perfect collinearity problems (all seed investments involved all of these veto rights).

		Dependent Variables: Veto Rights										
	Asset	Sales	Asset Pu	rchases	Changes i	n Control	Issuances	of Equity	Otl	ner		
Explanatory Variables	Coefficient	t-statistic	Coefficient	t-statistic	Coefficient	t-statistic	Coefficient	t-statistic	Coefficient	t-statistic		
VC Fund Fixed Effects Dummies?	Υe	es I	Υє	Yes		es I	Υe	es I	Ye	es		
Seed	NA	NA	NA	NA	NA	NA	NA	NA	3.7236	2.1415**		
Early	-1.4519	-1.5649	-2.0208	-2.4372**	0.0065	0.0080	-0.5983	-0.7661	2.0843	1.8447*		
Expansion	-0.8521	-1.0999	-0.9039	-1.2284	-0.9968	-1.4299	-0.8390	-1.1713	-0.6916	-0.9379		
# Syndicated Investors	0.4360	0.9739	0.2776	0.7142	0.0047	0.0135	-0.0250	-0.0730	-0.0151	-0.0403		
Lead VC	2.7342	3.8964***	2.3116	3.8304***	1.4707	2.9587***	0.9842	2.1464**	1.8776	3.3563***		
VC Board >50%	1.2051	1.7610*	0.8036	1.3208	0.4304	0.7640	0.7148	1.2516	-0.0890	-0.1528		
Book Value	-0.00004	-1.3195	-0.00002	-0.7164	0.00000	0.1415	0.00000	0.0986	-0.0001	-2.5037**		
Common Equity	-2.9845	-3.3445***	-2.2749	-2.9325***	-1.1585	-1.7069*	-1.3267	-1.9406*	-0.8744	-1.2636		
Convertible Preferred Equity	2.3312	1.9205*	1.7826	1.6993*	2.0764	1.6491	2.5212	1.8966*	-2.7755	-2.5806**		
Debt and Common	-1.3250	-1.1301	-1.0170	-0.9740	0.1209	0.1176	0.5253	0.4902	-3.1940	-2.4343**		
Biotech / Medical	-0.8132	-0.9196	0.0808	0.0956	1.7816	2.0475**	2.6244	2.6184***	2.0095	2.2129**		
Computer / Electronic	1.7764	1.9577*	1.5232	1.8861*	1.7260	2.1512**	2.1988	2.5968***	1.7321	2.0509**		
Communications / Internet	-0.9829	-0.9354	-0.2429	-0.2509	0.5550	0.6247	0.8772	0.9820	-1.6131	-1.6486		
Preplanned IPO	0.8854	0.8363	0.2737	0.2930	-0.0023	-0.0026	-0.1557	-0.1872	1.5451	1.6041		
Preplanned Acquisition	1.4511	1.5025	1.1798	1.3632	1.3437	1.5280	1.0194	1.2934	2.5296	2.8557***		
		l		<u> </u>	Predicted	Outcomes		<u> </u>				
Actual Outcomes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes		
No	31	13	31	15	20	15	26	13	32	14		
Yes	9	79	9	77	9	88	8	85	12	74		

Table 10 (part 1). Determinants of Control Rights (see Appendix B)

This table presents the determinants of VC control rights by type of right, depending on the characteristics of the entrepreneurial. *, **, *** Significant at the 10%, 5%, and 1% levels, respectively. NA: Not Applicable; inclusion of variable caused perfect collinearity problems.

		Dependent Variables: Control Rights										
	Replac	e CEO	Automatic (Convert IPO	First Refus	sal in Sale	Co-Sale A	greement	Anti-D	ilution		
Explanatory Variables	Coefficient	t-statistic	Coefficient	t-statistic	Coefficient	t-statistic	Coefficient t-statistic		Coefficient	t-statistic		
VC Fund Fixed Effects Dummies?	Υe	es I	Υe	Yes		es 	Υ€	 es 	Ye	 es 		
Seed	-1.4088	-1.0572	NA	NA	-1.2391	-1.0805	0.5820	0.5278	1.7293	1.3436		
Early	-35.6262	-0.00002	-2.4794	-2.0477**	-2.3249	-2.3616**	-0.9357	-1.0125	-1.1243	-1.2276		
Expansion	-1.5823	-1.7803*	-3.2323	-3.0773***	0.7777	1.0814	-0.4498	-0.5944	-0.6809	-0.8201		
# Syndicated Investors	0.6660	1.2789	NA	NA	-0.4660	-1.2098	0.2939	0.8345	0.4677	1.1963		
Lead Investor	1.7628	2.7006***	-0.8860	-1.9103*	-1.4431	-2.9015***	2.4010	3.7591***	2.4972	3.8687***		
VC Board > 50%	2.7705	2.7147***	-2.2031	-2.4594**	2.3422	3.8745***	0.8490	1.4674	0.1024	0.1691		
Book Value	0.00001	0.2096	-0.00004	-1.3529	0.00003	1.0915	0.00004	0.9493	-0.0001	-1.8790*		
Common Equity	-4.0322	-3.0648***	NA	NA	0.1505	0.2292	-2.2676	-2.7693***	-2.0771	-2.5478**		
Convertible Preferred Equity	-3.0086	-2.1365**	NA	NA	3.4173	2.9784***	-2.8961	-2.5704**	-2.3090	-2.1204**		
Mixed Debt and Common	-3.9444	-2.7411***	NA	NA	-0.3566	-0.3739	-2.8631	-2.5367**	-3.4907	-2.6722**		
Biotech / Medical	3.0689	2.3639**	NA	NA	-0.8543	-1.1123	-1.3159	-1.5422	0.8202	0.9579		
Computer / Electronics	-0.5499	-0.5847	NA	NA	-0.8453	-1.1604	0.8078	1.0484	1.8571	2.2498**		
Communications / Internet	-3.4545	-2.4577**	NA	NA	-0.9059	-1.0418	-2.4904	-2.1865**	-1.8033	-1.5926		
Preplanned IPO	1.2741	0.8823	0.8615	0.7288	-0.2845	-0.3044	0.2672	0.2562	0.9645	1.0075		
Preplanned Acquisition	3.2065	2.4947**	-0.3056	-0.3703	1.3473	1.9229*	2.4006	2.3497**	4.0928	3.2566***		
		l		<u> </u>	Predicted O	utcomes						
Actual Outcomes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes		
No	71	9	116	5	54	14	33	14	44	13		
Yes	10	42	5	6	11	53	12	73	7	68		

Table 10 (part 2). Determinants of Control Rights (see Appendix B)

This table presents the determinants of VC control rights by type of right, depending on the characteristics of the entrepreneurial. *, **, *** Significant at the 10%, 5%, and 1% levels, respectively. NA: Not Applicable; inclusion of variable caused perfect collinearity problems.

				Depende	nt Variables	: Control R	ights			
	Protection R	e New Issues	Redempti	on Rights	Information	on Rights	Demand R	eg. Rights	Piggyback	Reg. Rights
Explanatory Variables	Coefficient	t-statistic	Coefficient	t-statistic	Coefficient	t-statistic	Coefficient	t-statistic	Coefficient	t-statistic
			.,		.,	l	.,	l	.,	
VC Fund Fixed Effects Dummies?	Y	es	Y	es I	Ye	es I	Ye	es I	Y	es I
Seed	-2.4182	-1.7422*	-2.4096	-1.9030*	-0.0374	-0.0292	-2.9199	-2.0980**	NA	NA
Early	-1.4674	-1.4964	-1.5402	-1.7767*	-0.6581	-0.6331	-3.1071	-2.4616**	-1.2207	-1.2800
Expansion	-0.7197	-0.9274	-0.7504	-1.1098	0.3341	0.3792	-2.9800	-2.8455***	-3.5227	-2.9016***
# Syndicated Investors	-0.5198	-1.3458	-0.3762	-1.0076	-0.3046	-0.7274	-0.2936	-0.6816	-1.1671	-2.3252***
Lead Investor	2.8085	4.0821***	1.8141	3.5701***	3.4346	3.7701***	1.2482	2.3221**	1.6856	2.7813***
VC Board > 50%	0.9793	1.5626	0.5753	1.0669	0.8288	1.1900	0.1242	0.1794	0.0526	0.0740
Book Value	-0.0001	-1.7608*	-0.0001	-1.9085*	0.00002	0.4395	0.00004	1.1232	0.00001	0.3022
Common Equity	-2.6887	-3.5483***	-1.5286	-2.5364**	-3.7118	-3.1920***	-2.0144	-2.5290**	-2.5746	-2.8001***
Convertible Preferred Equity	0.5595	0.5177	-1.8336	-1.8942*	0.5089	0.3777	3.5564	3.0199***	3.7509	3.1273***
Mixed Debt and Common	-3.7202	-3.2862***	-3.6241	-2.9220***	-3.2054	-2.3920**	0.8631	0.7008	NA	NA
Biotech / Medical	0.7997	0.9117	1.2292	1.5755	-0.5163	-0.5580	NA	NA	-1.4872	-1.1949
Computer / Electronics	2.8754	3.0753***	1.7070	2.1918**	2.0571	1.9901**	-0.3856	-0.4903	-0.9999	-1.2315
Communications / Internet	-1.8383	-1.8288*	-0.3901	-0.4363	-0.9053	-0.7905	-2.6918	-2.1995**	-6.2615	-3.6052***
Preplanned IPO	1.6417	1.5880	-0.0853	-0.0929	0.8665	0.8037	-1.2069	-0.9016	NA	NA
Preplanned Acquisition	1.5045	1.7551*	-0.2928	-0.4606	3.1307	2.1319**	-0.1790	-0.2303	-0.0934	-0.1137
					Predicted Ou	utcomes		1		ı
Actual Outcomes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
No	42	11	73	11	31	10	83	7	94	6
Yes	11	68	12	36	5	86	9	33	8	24

Table 11. Determinants of Exit Vehicle

This table presents the determinants of the choice of exit vehicle: IPO, acquisition (trade sale), and write-off. Actual and expected exits are included. Fixed effects regressions are used to control for differences between actual and expected exits. *, **, *** significant at the 10%, 5% and 1% levels, respectively. NA: Not Applicable; inclusion of variable caused perfect collinearity problems.

		Dinamial	Logit Model	Donondoni	. Voriobles		Multinomial Logit Model Dependent Variables						
Explanatory Variables	IP		Acqui:		Write	e-off	Log. (Pipo	/ P _{Acquisition})		/ P _{Write-off})	Log _e (P _{Acquisi}	sion / Pareiro arr)	
	Coefficient	t-statistic	Coefficient	t-statistic	Coefficient	t-statistic	Coefficient	t-statistic	Coefficient	t-statistic	Coefficient	t-statistic	
Constant	NA	NA	NA	NA	NA	NA	-2.5698	-1.1867	-13.7273	-2.5980***	-11.1575	-2.1085**	
Actual Exit Fixed Effect Dummy	-11.4204	-2.8731***	-1.0634	-0.4590	3.7302	1.7342*	NA	NA	NA	NA	NA	NA	
Expected Exit Fixed Effect Dummy	-16.9251	-3.1318***	3.2803	1.3781	2.8175	1.2394	NA	NA	NA	NA	NA	NA	
Common Equity	5.4714	2.7508***	-1.9620	-2.1279**	-1.4190	-1.3666	1.9500	2.2998**	2.0083	1.1257	0.0583	0.0355	
Convertible Preferred Equity	-4.0235	-1.4538	2.1753	1.2850	1.2988	1.0180	0.0160	0.0143	-0.2876	-0.1285	-0.3035	-0.1468	
Mixed Debt Common	-2.0351	-0.7883	0.8918	0.5287	2.0693	1.5287	NA	NA	NA	NA	NA	NA	
Market/Book	-0.1160	-0.9821	0.2491	1.8097*	NA	NA	NA	NA	NA	NA	NA	NA	
Investment Months	0.0567	1.2161	-0.0289	-0.9393	-0.0437	-1.4063	0.0386	1.2923	0.3172	2.4643**	0.2786	2.1923**	
Biotech / Medical	-1.9163	-1.1852	-0.3213	-0.2833	-0.2606	-0.2272	-0.7552	-0.6394	-1.6825	-0.7265	-0.9273	-0.4389	
Computer / Electronics	-2.3708	-1.2530	-0.5583	-0.4263	-0.9111	-0.5965	-0.8145	-0.7500	-6.2964	-1.8192*	-5.4819	-1.6214	
Communication / Internet	2.5952	1.2931	-1.4732	-1.3906	-1.4829	-1.3761	0.3639	0.3809	-1.0246	-0.5295	-1.3885	-0.7302	
Preplanned Exit	2.6837	1.6143	1.3587	1.1694	NA	NA	NA	NA	NA	NA	NA	NA	
Market Conditions	3.7623	1.9240*	1.2686	1.0078	NA	NA	NA	NA	NA	NA	NA	NA	
Fundraising	4.0514	1.3997	-1.3467	-0.6136	NA	NA	NA	NA	NA	NA	NA	NA	
VC Control Exit	1.6307	0.8647	-0.6500	-0.3917	-2.6024	-1.5047	-0.6822	-0.4510	3.1364	1.0198	3.8186	1.1972	
Entrepreneur Control Exit	4.8802	1.9273*	-0.6074	-0.3371	-5.4039	-2.2395**	0.7283	0.4453	8.5230	2.3120**	7.7947	2.0794**	
VC Board Seats > 50%	-1.5114	-0.9165	-0.1928	-0.2121	0.9300	1.1042	-0.1305	-0.1662	-2.5373	-1.2599	-2.4069	-1.2099	
Number VC Syndicated Partners	1.2450	1.8050*	-0.3105	-0.6750	0.1009	0.2200	0.5432	1.2845	0.3429	0.4740	-0.2003	-0.2825	
Total # Contingencies	3.7557	2.5840***	-1.3833	-2.0540**	NA	NA	NA	NA	NA	NA	NA	NA	
Total # Veto Rights	-1.1096	-1.3967	-0.0777	-0.1726	NA	NA	NA	NA	NA	NA	NA	NA	
Total # Control Rights	0.6043	1.2165	0.3429	1.1320	-0.1411	-0.4974	-0.0605	-0.2307	1.0179	1.5159	1.0784	1.6529*	
Expected Exit	NA	NA	NA	NA	NA	NA	-0.6711	-0.9177	3.4547	1.4057	4.1257	1.6962*	
						Р	redicted Outc	omes					
Actual Outcomes	No	Yes	No	Yes	No	Yes			IPO	Acquisition	Write-off		
No	44	5	24	9	52	4		IPO	11	11	0		
Yes	7	15	9	29	10	5		Acquisition Write-off	5 0	32 2	1 9		

Table 12. Determinants of Returns

This table presents the determinants of returns: [1+IRR] and [Log(1+IRR)]. *, **, *** Significant at the 10%, 5% and 1% levels, respectively.

				Denenden	t Variables				
	Actual	and Expected I	Exits (71 Observ			tual Exits only	(33 Observation	ns)	
		I: 1+IRR		.og(1+IRR)		3: 1+IRR		.og(1+IRR)	
Explanatory Variables	Coefficient	t-statistic	Coefficient	t-statistic	Coefficient	t-statistic	Coefficient	t-statistic	
Constant	1.0015	262.7240***	0.0013	0.3565	1.0070	164.2510***	0.0067	1.1269	
IPO	0.0198	4.9524***	0.0197	5.0458***	0.0330	7.3483***	0.0326	7.5138***	
Acquisition	0.0215	6.6984***	0.0213	6.7930***	0.0302	16.4670***	0.0300	16.8941***	
Book Value	-7.4402E-08	-1.3169	-7.4011E-08	-1.3430	-1.6191E-07	-2.5006**	-0.0000002	-2.4718**	
# Rounds	0.0022	1.8319*	0.0022	1.8684*	0.0019	1.4261	0.0019	1.4714	
Seed	-0.0096	-2.9291***	-0.0094	-2.9432***	-0.0171	-4.4577***	-0.0167	-4.5056***	
Early Stage	-0.0108	-2.9772***	-0.0106	-2.9879***	-0.0166	-4.4580***	-0.0161	-4.4963***	
Expansion Stage	-0.0043	-1.8936*	-0.0043	-1.9170*	0.0021	0.9178	0.0020	0.9084	
Biotech / Medical	0.0039	1.4925	0.0038	1.4903	0.0083	3.1960***	0.0081	3.2169***	
Computer / Electronic	0.0030	0.9724	0.0029	0.9390	0.0041	1.0290	0.0040	1.0449	
Communications / Internet	0.0045	1.7881*	0.0044	1.7793	0.0133	3.8544***	0.0129	3.8814***	
Investment Months	0.0000	-0.1821	0.0000	-0.2136	-0.0001	-2.5085**	-0.0001	-2.5196***	
Common Equity	-0.0003	-0.1716	-0.0004	-0.1844	0.0001	0.0500	0.0001	0.0460	
Convertible Preferred Equity	0.0038	1.6333	0.0037	1.6311	-0.0185	-5.5508***	-0.0181	-5.6266***	
Mixed Debt and Common	-0.0035	-1.5142	-0.0035	-1.5124	-0.0247	-7.1725***	-0.0240	-7.2839***	
Ownership %	0.0001	1.1830	0.0001	1.1715	0.0001	1.9402*	0.0001	1.9028*	
VC Board Seats > 50%	0.0016	0.8534	0.0015	0.8441	-0.0023	-1.0660	-0.0021	-1.0201	
Market Conditions reason for exit	-0.0087	-3.2586***	-0.0086	-3.2745***	-0.0083	-2.9445***	-0.0082	-2.9911***	
Preplanned Exit	-0.0011	-0.3293	-0.0011	-0.3491	-0.0067	-2.3780**	-0.0066	-2.4371**	
Total Number of Contingent Contractual Clauses	0.0009	0.9627	0.0009	0.9677	-0.0030	-0.7789	-0.0032	-0.8648	
Total Number of Veto Right Clauses	0.0006	0.6567	0.0006	0.6560	0.0145	5.7843***	0.0141	5.8277***	
Total Number of Control Right Clauses	-0.0024	-3.6880***	-0.0023	-3.7128***	-0.0103	-6.9231***	-0.0101	-7.0098***	
Expected Exit	-0.0143	-3.7886***	-0.0141	-3.8172***	NA	NA	NA	NA	
Adjusted R ²	0.5	252 	0.5	294	0.8	562 	0.8610		

ENDNOTES

The term 'venture conital' is

¹ The term 'venture capital' is defined differently across countries. In this paper we employ the definition used by the European Venture Capital Association (www.evca.com), which is inclusive of seed, early, expansion, mezzanine (late), turnaround and buyout transactions. This broad definition is also used in other jurisdictions such as Canada (www.evca.ca). Regardless, the main results in this paper are not contingent on the particular definition of venture capital. As well, all of the (self-described) venture capital funds in the data herein consider financing different types of entrepreneurial firms.

² Venture capitalists may also dispose of their investments via a secondary sale (where the venture capitalist sells to a third party, but the entrepreneur retains his or her interest), a buyback (where the entrepreneur repurchases the venture capitalist's interest), or a write-off (liquidation); see MacIntosh (1997). Partial dispositions through each exit vehicle are also possible (Cumming and MacIntosh, 2002).

³ The term 'acquisition' generally refers to trade sales to other investors as well as other strategic acquirors. Acquisitions pertain to strategic acquirors in the data herein.

⁴ Schweinbacher (2002) considers VC exits in Europe, but the data are averaged at the VC fund level (no investment specific data were collected).

⁵ This list omits papers pertaining to VC fundraising and fund structure (see, e.g., Jeng and Wells, 2000; Gompers and Lerner, 1996, 1998, 1999; and Mayer *et al.*, 2002). Please advise the author as to missing citations.

⁶ U.S. based research on this issue has only considered limited partnerships. Future research in the U.S. could consider other types of venture capital funds as well. In addition, future theoretical research may attempt to explain forms of finance other than convertible preferred equity, in light of the fact that the only evidence that convertible preferred equity is used most frequently is from U.S. data. Some recent theoretical papers provide guidance as to the use of different securities by venture capitalists; see Garmaise (2000), Chemmanur and Chen (2002) and Schindele (2002).

⁷ Gilson and Schizer (2002) note that failed start-ups typically "owe back-rent for office space, payroll, and other liabilities" (page 11). They also note that failed start-ups typically do not file for bankruptcy, a proceeding that is worthwhile only when there are remaining assets to be divided up (Gilson and Schizer, 2002, footnote 21).

- ⁸ See Cumming (2000) for evidence from Canada, Songtao (2000) for evidence from Taiwan, Smith and Parahangus (2000) for evidence from Finland, Bascha and Walz (2001) for evidence from Germany, as well as the Australian Bureau of Statistics. As well, note that U.S. VCs finance Canadian entrepreneurial firms with a variety of forms of finance (Cumming, 2001). Unfortunately, direct tests of functional equivalence are not possible with any of these datasets. For example, with a sample of Canadian venture capitalist data, Cumming (2000) provides tests of functional equivalence be grouping various securities together and considering whether groups of securities are used with the same intensity for similar transaction types. Cumming, however, cannot directly test for functional equivalence across securities with the underlying transactional terms.
- ⁹ This supports recent theoretical research indicating riskier claims are associated with less control. In Cestone's model, the intuition is based on the idea that formal control with common equity would turn into excessive real control (over interference) because VCs have greater incentives to intervene with riskier claims (Cestone, 2000, p.15). Kaplan and Strömberg, 2002, similarly find that different control rights are complementary, not substitutes, in the U.S. where convertible preferred equity is typically the selected security.
- ¹⁰ A dummy for non-tech industries was suppressed to avoid collinearity. These three industry categories were most appropriate for the given observations in the data, and the characteristics of the investments within each of these three groups were most similar.
- ¹¹ To the extent that data were available, voting % was nearly perfectly correlated with ownership %; therefore, separate tests are not provided.
- ¹² The dependent variables for models 4 and 5 are bounded (between 0 and 1). Alternative econometric specifications did not materially affect the results.

¹³ Trilateral bargaining describes an agency where the entrepreneur has an incentive to give up control over the firm to an outside investor (after contracting with the initial investor) in order to lower the firm's cost of capital; see Aghion and Bolton (1992) and Berglöf (1994).

- ¹⁴ 'Expected exits' (typically close to the exit date) are not the same thing as 'preplanned exits' (at time of contract).
- ¹⁵ See also Table 3.b. These results are not affected by correlation among variables. For example, dropping the variables for control rights, veto rights and contractual contingencies does not affect the significance of other variables.
- ¹⁶ The relation between investment duration, market/book ratios and the likelihood of different exit outcomes was first studied by MacIntosh (1997), and follow-up work by Cumming and MacIntosh (2002, 2003). MacIntosh (1997) and Cumming and MacIntosh (2002, 2003) find firms with higher market/book ratios are more likely to go public.
- ¹⁷ See also Smith and Smith (2000). Published research by MacIntosh (1997) and Cumming and MacIntosh (2002) indicates selection effects associated with a more complete set of exit vehicles (IPOs, acquisitions, secondary sales, buybacks, and write-offs, as well as the extent of exit (full or partial). Cumming and MacIntosh (2002, 2003) provide extensions to MacIntosh's (1997) seminal paper.
- ¹⁸ Returns may also depend on the characteristics of the investor. With the actual number of exits (33), we do not have a large number of degrees of freedom to use investor fixed effect dummies to test this proposition jointly with the other variables. Nevertheless, with different regressions (not presented), investor fixed effects did not appear to be a significant factor in explaining IRRs in this data sample. Other model specifications (e.g., different transformations of the variables using Box-Cox methods, etc.) did not materially change the results.

¹⁹ These categories are based on Kaplan and Stromberg (2002).

²⁰ These examples are based on Sahlman *et al.* (1999). The venture capitalists participating in this study did not want any of their actual contracts to appear in public print.