PACIFIC BIOSCIENCES OF CALIFORNIA, INC. Form SC 13G/A February 14, 2018

SECURITIES AND EXCHANGE COMMISSION Washington, DC 20549

SCHEDULE 13G

Under the Securities Exchange Act of 1934 (Amendment No. 2)*

Pacific Biosciences of California, Inc.

(Name of Issuer)

Common Stock

(Title of Class of Securities)

69404D108

(CUSIP Number)

December 31, 2017

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- o Rule 13d-1(b)
- o Rule 13d-1(c)
- x Rule 13d-1(d)

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

^{*}The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

13G

1.	Names of Reporti MDV VII, L.P.	ng Persons			
2.	Check the Approp (a) (b)	oriate Box if a Mer o x (1)	nber of a Group (See Instructions)		
3.	SEC Use Only				
4.		ce of Organization States of America			
	5.		Sole Voting Power 0 Shares		
Number of Shares Beneficially Owned by Each Reporting Person With:	6.		Shared Voting Power 5,074,066 Shares of Common Stock (2)		
	7.		Sole Dispositive Power 0 Shares		
	8.		Shared Dispositive Power 5,074,066 Shares of Common Stock (2)		
9.		nt Beneficially Ow of Common Stock	ned by Each Reporting Person (2)		
10.	Check if the Aggr	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)			
11.	Percent of Class F 4.4% (3)	Percent of Class Represented by Amount in Row 9 4.4% (3)			
12.	Type of Reporting PN	g Person (See Instr	uctions)		

CUSIP No. 69404D108

(1) This Schedule 13G is filed by MDV VII, L.P., MDV VII Leaders Fund, L.P., MDV ENF VII(A), L.P., MDV ENF VII(B), L.P. (collectively, MDV), Seventh MDV Partners, L.L.C. (Seventh), William Ericson, Nancy Schoendorf and Jonathan Feiber (collectively, the Fund Entities). The Fund Entities expressly disclaim status as a group for purposes of this Schedule 13G.

⁽²⁾ Shares directly held by MDV VII, L.P. William Ericson, Nancy Schoendorf and Jonathan Feiber are managing members of Seventh, the general partner of MDV. Each of William Ericson, Nancy Schoendorf, Jonathan Feiber and Seventh may be deemed to share voting and dispositive power over the shares held by MDV.

⁽³⁾ This percentage is calculated based on 116,249,978 shares of the Issuer s stock outstanding (as of October 31, 2017), as set forth in the Issuer s most recent 10-Q, filed with the Securities and Exchange Commission on November 2, 2017.

1.	Names of Reporting Persons MDV VII Leaders Fund, L.P.				
2.	Check the Appropriate Box if a Member of a Group (See Instructions)				
	(a)	0			
	(b)	x (1)			
3.	SEC Use Only				
4.	Citizenship or Place of Organiz Delaware, United States of Am				
	5.		Sole Voting Power		
			0 Shares		
Number of					
Shares	6.		Shared Voting Power		
Beneficially			370,333 Shares of Common Stock (2)		
Owned by					
Each	7.		Sole Dispositive Power		
Reporting			0 Shares		
Person With:					
	8.		Shared Dispositive Power		
			370,333 Shares of Common Stock (2)		
9.	Aggregate Amount Beneficiall	v Owned by Each Reporting	Person		
	370,333 Shares of Common St				
	,	,			
10.	Check if the Aggregate Amour	nt in Row (9) Excludes Certa	in Shares (See Instructions) o		
11.	Percent of Class Represented b 0.3% (3)	y Amount in Row 9			
12.	Type of Reporting Person (See PN	Instructions)			

⁽¹⁾ This Schedule 13G is filed by MDV VII, L.P., MDV VII Leaders Fund, L.P., MDV ENF VII(A), L.P., MDV ENF VII(B), L.P. (collectively, MDV), Seventh MDV Partners, L.L.C. (Seventh), William Ericson, Nancy Schoendorf and Jonathan Feiber (collectively, the Fund Entities). The Fund Entities expressly disclaim status as a group for purposes of this Schedule 13G.

⁽²⁾ Shares directly held by MDV VII, L.P. as nominee for MDV VII Leaders Fund, L.P. William Ericson, Nancy Schoendorf and Jonathan Feiber are managing members of Seventh, the general partner of MDV. Each of William Ericson, Nancy Schoendorf, Jonathan Feiber and Seventh may be deemed to share voting and dispositive power over the shares held by MDV.

⁽³⁾ This percentage is calculated based on 116,249,978 shares of the Issuer s stock outstanding (as of October 31, 2017), as set forth in the Issuer s most recent 10-Q, filed with the Securities and Exchange Commission on November 2, 2017.

	MDV ENF VII(A), L.P.		
2.	Check the Appropriate Box if a (a) (b)	Member of a Group (See In o x (1)	structions)
3.	SEC Use Only		
4.	Citizenship or Place of Organiza Delaware, United States of Ame		
Number of	5.		Sole Voting Power 0 Shares
Shares Beneficially Owned by	6.		Shared Voting Power 101,267 Shares of Common Stock (2)
Each Reporting Person With:	7.		Sole Dispositive Power 0 Shares
	8.		Shared Dispositive Power 101,267 Shares of Common Stock (2)
9.	Aggregate Amount Beneficially 101,267 Shares of Common Sto		Person
10.	Check if the Aggregate Amount	in Row (9) Excludes Certain	in Shares (See Instructions) o
11.	Percent of Class Represented by 0.1% (3)	Amount in Row 9	
12.	Type of Reporting Person (See PN	Instructions)	

1.

Names of Reporting Persons

⁽¹⁾ This Schedule 13G is filed by MDV VII, L.P., MDV VII Leaders Fund, L.P., MDV ENF VII(A), L.P., MDV ENF VII(B), L.P. (collectively, MDV), Seventh MDV Partners, L.L.C. (Seventh), William Ericson, Nancy Schoendorf and Jonathan Feiber (collectively, the Fund Entities). The Fund Entities expressly disclaim status as a group for purposes of this Schedule 13G.

⁽²⁾ Shares directly held by MDV VII, L.P. as nominee for MDV ENF VII(A), L.P. William Ericson, Nancy Schoendorf and Jonathan Feiber are managing members of Seventh, the general partner of MDV. Each of William Ericson, Nancy Schoendorf, Jonathan Feiber and Seventh may be deemed to share voting and dispositive power over the shares held by MDV.

⁽³⁾ This percentage is calculated based on 116,249,978 shares of the Issuer s stock outstanding (as of October 31, 2017), as set forth in the Issuer s most recent 10-Q, filed with the Securities and Exchange Commission on November 2, 2017.

1,	MDV ENF VII(B), L.				
2.	Check the Appropriate Box if a Member of a Group (See Instructions)				
	(a) (b)	o x (1)			
3.	SEC Use Only				
4.	Citizenship or Place of Delaware, United Star				
Number of	5.		Sole Voting Power 0 Shares		
Shares Beneficially Owned by Each Reporting Person With:	6.		Shared Voting Power 52,731 Shares of Common Stock (2)		
	7.		Sole Dispositive Power 0 Shares		
	8.		Shared Dispositive Power 52,731 Shares of Common Stock (2)		
9.	Aggregate Amount Bound States of Conference	eneficially Owned by Each nmon Stock (2)	Reporting Person		
10.	Check if the Aggregat	te Amount in Row (9) Exclu	udes Certain Shares (See Instructions) o		
11.	Percent of Class Repr 0.1% (3)	resented by Amount in Row	9		
12.	Type of Reporting Pe PN	rson (See Instructions)			

1.

Names of Reporting Persons

⁽¹⁾ This Schedule 13G is filed by MDV VII, L.P., MDV VII Leaders Fund, L.P., MDV ENF VII(A), L.P., MDV ENF VII(B), L.P. (collectively, MDV), Seventh MDV Partners, L.L.C. (Seventh), William Ericson, Nancy Schoendorf and Jonathan Feiber (collectively, the Fund Entities). The Fund Entities expressly disclaim status as a group for purposes of this Schedule 13G.

⁽²⁾ Shares directly held by MDV VII, L.P. as nominee for MDV ENF VII(B), L.P. William Ericson, Nancy Schoendorf and Jonathan Feiber are managing members of Seventh, the general partner of MDV. Each of William Ericson, Nancy Schoendorf, Jonathan Feiber and Seventh may be deemed to share voting and dispositive power over the shares held by MDV.

⁽³⁾ This percentage is calculated based on 116,249,978 shares of the Issuer s stock outstanding (as of October 31, 2017), as set forth in the Issuer s most recent 10-Q, filed with the Securities and Exchange Commission on November 2, 2017.

1.	Names of Reporting Seventh MDV Partn		
2.	Check the Appropria	ate Box if a Member of a	Group (See Instructions)
	(a)	О	
	(b)	x (1)	
3.	SEC Use Only		
4.	Citizenship or Place	of Organization	
	Delaware, United St		
	5.		Sole Voting Power
			0 Shares
Number of			o bilates
Shares	6.		Shared Voting Power
Beneficially	0.		5,598,397 Shares of Common Stock (2)
Owned by			5,570,577 Shares of Common Stock (2)
Each	7.		Sole Dispositive Power
Reporting	,.		0 Shares
Person With:			* *****
	8.		Shared Dispositive Power
			5,598,397 Shares of Common Stock (2)
			(=)
9.	Aggregate Amount	Beneficially Owned by Ea	ach Reporting Person
	5,598,397 Shares of		1 2
	, ,		
10.	Check if the Aggreg	ate Amount in Row (9) E	xcludes Certain Shares (See Instructions) o
	26 2	,	,
11.	Percent of Class Rep	presented by Amount in R	ow 9
	4.8% (3)		
12.	Type of Reporting P	Person (See Instructions)	
	OO		

(1) This Schedule 13G is filed by MDV VII, L.P., MDV VII Leaders Fund, L.P., MDV ENF VII(A), L.P., MDV ENF VII(B), L.P. (collectively, MDV), Seventh MDV Partners, L.L.C. (Seventh), William Ericson, Nancy Schoendorf and Jonathan Feiber (collectively, the Fund Entities). The Fund Entities expressly disclaim status as a group for purposes of this Schedule 13G.

(3) This percentage is calculated based on 116,249,978 shares of the Issuer s stock outstanding (as of October 31, 2017), as set forth in the Issuer s most recent 10-Q, filed with the Securities and Exchange Commission on November 2, 2017.

⁽²⁾ Shares directly held by MDV VII, L.P. and by MDV VII, L.P. as nominee for MDV VII Leaders Fund, L.P., MDV ENF VII(A), L.P., and MDV ENF VII(B), L.P. William Ericson, Nancy Schoendorf and Jonathan Feiber are managing members of Seventh, the general partner of MDV. Each of William Ericson, Nancy Schoendorf, Jonathan Feiber and Seventh may be deemed to share voting and dispositive power over the shares held by MDV.

1.	Names of Reporting Persons Nancy Schoendorf		
2.	Check the Appropriate Box if a (a) (b)	a Member of a Group (See I o x (1)	Instructions)
3.	SEC Use Only		
4.	Citizenship or Place of Organiz United States of America	zation	
Number of	5.		Sole Voting Power 0 Shares
Shares Beneficially Owned by	6.		Shared Voting Power 5,598,397 Shares of Common Stock (2)
Each Reporting Person With:	7.		Sole Dispositive Power 0 Shares
	8.		Shared Dispositive Power 5,598,397 Shares of Common Stock (2)
9.	Aggregate Amount Beneficiall 5,598,397 Shares of Common		g Person
10.	Check if the Aggregate Amour	nt in Row (9) Excludes Cert	ain Shares (See Instructions) o
11.	Percent of Class Represented by 4.8% (3)	by Amount in Row 9	
12.	Type of Reporting Person (See IN	e Instructions)	

⁽¹⁾ This Schedule 13G is filed by MDV VII, L.P., MDV VII Leaders Fund, L.P., MDV ENF VII(A), L.P., MDV ENF VII(B), L.P. (collectively, MDV), Seventh MDV Partners, L.L.C. (Seventh), William Ericson, Nancy Schoendorf and Jonathan Feiber (collectively, the Fund Entities). The Fund Entities expressly disclaim status as a group for purposes of this Schedule 13G.

⁽²⁾ Shares directly held by MDV VII, L.P. and by MDV VII, L.P. as nominee for MDV VII Leaders Fund, L.P., MDV ENF VII(A), L.P., and MDV ENF VII(B), L.P. William Ericson, Nancy Schoendorf and Jonathan Feiber are managing members of Seventh, the general partner of MDV. Each of William Ericson, Nancy Schoendorf, Jonathan Feiber and Seventh may be deemed to share voting and dispositive power over the shares held by MDV.

⁽³⁾ This percentage is calculated based on 116,249,978 shares of the Issuer s stock outstanding (as of October 31, 2017), as set forth in the Issuer s most recent 10-Q, filed with the Securities and Exchange Commission on November 2, 2017.

1.	Names of Reporting Persons Jonathan Feiber		
2.	Check the Appropriate Box if a (a) (b)	a Member of a Group (See) o x (1)	Instructions)
3.	SEC Use Only		
4.	Citizenship or Place of Organiz United States of America	zation	
Number of	5.		Sole Voting Power 0 Shares
Shares Beneficially Owned by	6.		Shared Voting Power 5,598,397 Shares of Common Stock (2)
Each Reporting Person With:	7.		Sole Dispositive Power 0 Shares
	8.		Shared Dispositive Power 5,598,397 Shares of Common Stock (2)
9.	Aggregate Amount Beneficiall 5,598,397 Shares of Common		g Person
10.	Check if the Aggregate Amoun	nt in Row (9) Excludes Cert	ain Shares (See Instructions) o
11.	Percent of Class Represented b 4.8% (3)	by Amount in Row 9	
12.	Type of Reporting Person (See IN	e Instructions)	

⁽¹⁾ This Schedule 13G is filed by MDV VII, L.P., MDV VII Leaders Fund, L.P., MDV ENF VII(A), L.P., MDV ENF VII(B), L.P. (collectively, MDV), Seventh MDV Partners, L.L.C. (Seventh), William Ericson, Nancy Schoendorf and Jonathan Feiber (collectively, the Fund Entities). The Fund Entities expressly disclaim status as a group for purposes of this Schedule 13G.

⁽²⁾ Shares directly held by MDV VII, L.P. and by MDV VII, L.P. as nominee for MDV VII Leaders Fund, L.P., MDV ENF VII(A), L.P., and MDV ENF VII(B), L.P. William Ericson, Nancy Schoendorf and Jonathan Feiber are managing members of Seventh, the general partner of MDV. Each of William Ericson, Nancy Schoendorf, Jonathan Feiber and Seventh may be deemed to share voting and dispositive power over the shares held by MDV.

⁽³⁾ This percentage is calculated based on 116,249,978 shares of the Issuer s stock outstanding (as of October 31, 2017), as set forth in the Issuer s most recent 10-Q, filed with the Securities and Exchange Commission on November 2, 2017.

1.	Names of Reporting Persons William Ericson		
2.	Check the Appropriate Box if a (a) (b)	a Member of a Group (See I o x (1)	instructions)
3.	SEC Use Only		
4.	Citizenship or Place of Organiz United States of America	zation	
Number of	5.		Sole Voting Power 179,166 Shares (2)
Shares Beneficially Owned by	6.		Shared Voting Power 5,598,397 Shares of Common Stock (3)
Each Reporting Person With:	7.		Sole Dispositive Power 179,166 Shares (2)
	8.		Shared Dispositive Power 5,598,397 Shares of Common Stock (3)
9.	Aggregate Amount Beneficiall 5,777,563 Shares of Common		g Person
10.	Check if the Aggregate Amour	nt in Row (9) Excludes Cert	ain Shares (See Instructions) o
11.	Percent of Class Represented b 5.0% (4)	by Amount in Row 9	
12.	Type of Reporting Person (See IN	Instructions)	

⁽¹⁾ This Schedule 13G is filed by MDV VII, L.P., MDV VII Leaders Fund, L.P., MDV ENF VII(A), L.P., MDV ENF VII(B), L.P. (collectively, MDV), Seventh MDV Partners, L.L.C. (Seventh), William Ericson, Nancy Schoendorf and Jonathan Feiber (collectively, the Fund Entities). The Fund Entities expressly disclaim status as a group for purposes of this Schedule 13G.

⁽²⁾ Includes options issued to William Ericson to purchase 187,500 shares of Common Stock of which 179,166 shares have vested or will become vested in 90 days.

⁽³⁾ Shares directly held by MDV VII, L.P. and by MDV VII, L.P. as nominee for MDV VII Leaders Fund, L.P., MDV ENF VII(A), L.P., and MDV ENF VII(B), L.P. William Ericson, Nancy Schoendorf and Jonathan Feiber are managing members of Seventh, the general partner of MDV. Each of William Ericson, Nancy Schoendorf, Jonathan Feiber and Seventh may be deemed to share voting and dispositive power over the shares held by MDV.

⁽⁴⁾ This percentage is calculated based on 116,249,978 shares of the Issuer s stock outstanding (as of October 31, 2017), as set forth in the Issuer s most recent 10-Q, filed with the Securities and Exchange Commission on November 2, 2017.

Introductory Note: This Statement on Schedule 13G is filed on behalf of 1) MDV VII, L.P., a limited partnership organized under the laws of the State of Delaware; 2) MDV VII Leaders Fund, L.P., a limited partnership organized under the laws of the State of Delaware; 3) MDV ENF VII(A), L.P., a limited partnership organized under the laws of the State of Delaware; 4) MDV ENF VII(B), L.P. (together with MDV VII, L.P., MDV VII Leaders Fund, L.P., and MDV ENF VII(A), L.P., MDV), a limited partnership organized under the laws of the State of Delaware; 5) Seventh MDV Partners, L.L.C. (Seventh), a limited liability company organized under the laws of the State of Delaware and the General Partner of MDV; 6) Nancy Schoendorf, a managing member of Seventh; 7) William Ericson, a managing member of Seventh; and 8) Jonathan Feiber, a managing member of Seventh; in respect of shares of Common Stock of Pacific Biosciences of California, Inc.

Item 1(a). Name of Issuer:

Pacific Biosciences of California, Inc.

Item 1(b). Address of Issuer s Principal Executive Offices:

1380 Willow Road, Menlo Park, CA 94025

Item 2(a). Name of Person Filing:

MDV VII, L.P.

MDV VII Leaders Fund, L.P.

MDV ENF VII(A), L.P.

MDV ENF VII(B), L.P.

Seventh MDV Partners, L.L.C.

Nancy Schoendorf

Jonathan Feiber

William Ericson

Item 2(b). Address of Principal Business Office or, if none, Residence:

777 Mariners Island Blvd., Suite 550, San Mateo, CA 94404

Item 2(c). Citizenship:

Item 2(d).

All entities were organized in Delaware. The individuals are all United States citizens.

Title of Class of Securities:

Common Stock
CUSIP Number:

Item 2(e). CUSIP Number 69404D108

07404D100

Item 3. If this statement is filed pursuant to §§240.13d-1(b), or 240.13d-2(b) or (c), check

whether the person filing is a:

Not applicable.

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Item 4. Ownership

Fund Entities	Shares Held Directly	Sole Voting Power	Shared Voting Power	Sole Dispositive Power	Shared Dispositive Power	Beneficial Ownership	Percentage of Class (2)
MDV VII, L.P.	5,074,066	0	5,074,066	0	5,074,066	5,074,066	4.4%
MDV VII Leaders							
Fund, L.P.	370,333	0	370,333	0	370,333	370,333	0.3%
MDV ENF VII(A),							
L.P.	101,267	0	101,267	0	101,267	101,267	0.1%
MDV ENF VII(B),							
L.P.	52,731	0	52,731	0	52,731	52,731	0.1%
Seventh MDV							
Partners, L.L.C. (1)	0	0	5,598,397	0	5,598,397	5,598,397	4.8%
Nancy Schoendorf							
(1)	0	0	5,598,397	0	5,598,397	5,598,397	4.8%
Jonathan Feiber (1)	0	0	5,598,397	0	5,598,397	5,598,397	4.8%
William Ericson (1)	0	179,166	5,7598,397	179,166	5,598,397	5,777,563	5.0%

⁽¹⁾ Seventh MDV Partners, L.L.C. serves as the general partner of MDV VII, L.P., MDV VII Leaders Fund, L.P., MDV ENF VII(A), L.P., and MDV ENF VII(B), L.P. and owns no securities of the Issuer directly. William Ericson, Nancy Schoendorf and Jonathan Feiber serve as managing members of Seventh MDV Partners, L.L.C. and own no securities of the Issuer directly.

Item 5. Ownership of 5 Percent or Less of a Class

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than 5 percent of the class of securities, check the following x.

Item 6. Ownership of More than 5 Percent on Behalf of Another Person

Not applicable.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being

Reported on By the Parent Holding Company or Control Person.

Not applicable.

Item 8. Identification and Classification of Members of the Group

Not applicable.

Item 9. Notice of Dissolution of a Group

Not applicable.

⁽²⁾ This percentage is calculated based on 116,249,978 shares of the Issuer s stock outstanding (as of October 31, 2017), as set forth in the Issuer s most recent 10-Q, filed with the Securities and Exchange Commission on November 2, 2017.

Item 10. Certification

Not applicable.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Dated: February 14, 2018

SEVENTH MDV PARTNERS, L.L.C.

By: /s/ Jonathan Feiber

Name: Jonathan Feiber Title: Managing Member

MDV VII, L.P. MDV VII Leaders Fund, L.P.

By: Seventh MDV Partners, L.L.C., By: Seventh MDV Partners, L.L.C.,

its General Partner its General Partner

By: /s/ Jonathan Feiber By: /s/ Jonathan Feiber

Name: Jonathan FeiberName: Jonathan FeiberTitle: Managing MemberTitle: Managing Member

MDV ENF VII(A), L.P. MDV ENF VII(B), L.P.

By: Seventh MDV Partners, L.L.C., By: Seventh MDV Partners, L.L.C.,

its General Partner its General Partner

By: /s/ Jonathan Feiber By: /s/ Jonathan Feiber

Name: Jonathan Feiber
Title: Managing Member

Name: Jonathan Feiber
Title: Managing Member
Title: Managing Member

/s/ Jonathan Feiber /s/ Nancy Schoendorf
Jonathan Feiber Nancy Schoendorf

/s/ William Ericson William Ericson

EXHIBITS

A: Joint Filing Agreement

EXHIBIT A

JOINT FILING AGREEMENT

We, the undersigned, hereby express our agreement that the attached Schedule 13G (or any amendments thereto) relating to the Common Stock of Pacific Biosciences of California, Inc. is filed on behalf of each of us.

Dated: February 14, 2018

SEVENTH MDV PARTNERS, L.L.C.

By: /s/ Jonathan Feiber

Name: Jonathan Feiber Title: Managing Member

MDV VII, L.P. MDV VII Leaders Fund, L.P.

By: Seventh MDV Partners, L.L.C., By: Seventh MDV Partners, L.L.C.,

its General Partner its General Partner

By: /s/ Jonathan Feiber
Name: Jonathan Feiber
Name: Jonathan Feiber

Title: Managing Member Title: Managing Member

MDV ENF VII(A), L.P. MDV ENF VII(B), L.P.

By: Seventh MDV Partners, L.L.C., By: Seventh MDV Partners, L.L.C.,

its General Partner its General Partner

By: /s/ Jonathan Feiber By: /s/ Jonathan Feiber

Name: Jonathan FeiberName: Jonathan FeiberTitle: Managing MemberTitle: Managing Member

/s/ Jonathan Feiber /s/ Nancy Schoendorf
Jonathan Feiber Nancy Schoendorf

Jonathan 1 clock

/s/ William Ericson William Ericson