Invitae Corp Form 4 November 18, 2016

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB APPROVAL OMB

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may continue. See Instruction

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

(Print or Type Responses)

1(b).

(Last)

(City)

1. Name and Address of Reporting Person * BAKER BROS. ADVISORS LP

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to Issuer

Symbol

11/17/2016

Invitae Corp [NVTA]

(Check all applicable)

667 MADISON AVENUE, 21ST

(Street)

(State)

(First)

(Middle)

(Zin)

3. Date of Earliest Transaction (Month/Day/Year)

Director Officer (give title below)

_X__ 10% Owner __Other (specify

FLOOR

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check Applicable Line) Form filed by One Reporting Person

Filed(Month/Day/Year)

X_ Form filed by More than One Reporting

Person

NEW YORK, NY 10065

(City)	(State)	(State) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned					lly Owned		
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	Code (Instr. 8)	4. Securitie or(A) or Disp (Instr. 3, 4	oosed of and 5) (A) or	of (D)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock			Code V	Amount	(D)	Price	73,371	I	See Footnotes (1) (5) (6)
Common Stock	11/17/2016		P	69,074	A	\$6	734,261	I	See Footnotes (2) (3) (5) (6)
Common Stock	11/17/2016		P	664,259	A	\$6	6,480,668	I	See Footnotes (2) (4) (5) (6)

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 1474 (9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transactic Code (Instr. 8)	5. DiNumber of Derivative Securities Acquired (A) or Disposed of (D)	(Month/Day/Year) vative rities iired or		Secur	ınt of rlying	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Owne Follo Repo Trans (Instr
					(Instr. 3, 4, and 5)						
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

Relationships

Reporting Owners

Reporting Owner Name / Address	Ttelationships					
	Director	10% Owner	Officer	Other		
BAKER BROS. ADVISORS LP 667 MADISON AVENUE, 21ST FLOOR NEW YORK, NY 10065		X				
BAKER FELIX 667 MADISON AVENUE, 21ST FLOOR NEW YORK, NY 10065		X				
BAKER JULIAN 667 MADISON AVENUE, 21ST FLOOR NEW YORK, NY 10065		X				
Baker Bros. Advisors (GP) LLC 667 MADISION AVENUE, 21ST FLOOR NEW YORK, NY New York		X				

Signatures

BAKER BROS. ADVISORS LP Name Scott L. Lessing Title: President /s/Scott L. Lessing		
	**Signature of Reporting Person	Date
/s/ Felix J. Baker		11/18/2016
	**Signature of Reporting Person	Date
/s/ Julian C. Baker		11/18/2016

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**Signature of Reporting Person

Date

BAKER BROS. ADVISORS (GP) LLC Name Scott L. Lessing Title: President /s/Scott L. Lessing

11/18/2016

Date

**Signature of Reporting Person

Reporting Person

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
 - As a result of Felix J. Baker's and Julian C. Baker's ownership interest in 14159 Capital (GP), LLC, Felix J. Baker and Julian C. Baker may be deemed to have an indirect pecuniary interest in 73,371 shares of common stock of Invitae Corporation (the "Issuer") beneficially
- (1) owned by 14159, L.P. ("14159"), a limited partnership of which the sole general partner is 14159 Capital, L.P., a limited partnership of which the sole general partner is 14159 Capital (GP), LLC, due to 14159 Capital, L.P.'s right to receive an allocation of a portion of the profits from 14159.
- On November 17, 2016, 667, L.P. ("667") and Baker Brothers Life Sciences, L.P. ("Life Sciences", and together with 667 and 14159 the (2) "Funds") purchased 69,074 and 664,259 shares of the Common Stock, respectively of the Issuer, pursuant to an underwritten public offering.
 - After giving effect to the transactions reported herein and as a result of Felix J. Baker's and Julian C. Baker's ownership interest in Baker Biotech Capital (GP), LLC, Felix J. Baker and Julian C. Baker may be deemed to have an indirect pecuniary interest in 734,261 shares of
- (3) common stock of the Issuer beneficially owned by 667, a limited partnership of which the sole general partner is Baker Biotech Capital, L.P., a limited partnership of which the sole general partner is Baker Biotech Capital (GP),LLC, due to Baker Biotech Capital, L.P.'s right to receive an allocation of a portion of the profits from 667.
 - After giving effect to the transactions reported herein and as a result of Felix J. Baker's and Julian C. Baker's ownership interest in Baker Brothers Life Sciences Capital (GP), LLC, Felix J. Baker and Julian C. Baker may be deemed to have an indirect pecuniary interest
- (4) 6,480,668 shares of common stock of the Issuer beneficially owned by Life Sciences, a limited partnership of which the sole general partner is Baker Brothers Life Sciences Capital, L.P., a limited partnership of which the sole general partner is Baker Brothers Life Sciences Capital (GP), LLC, due to Baker Brothers Life Sciences Capital, L.P.'s right to receive an allocation of a portion of the profits from Life Sciences.
 - Baker Bros. Advisors LP (the "Adviser") serves as the Investment Adviser to the Funds. In connection with the services provided by the Adviser, the Adviser receives an asset-based management fee that does not confer any pecuniary interest in the securities held by the
- Funds. Baker Bros. Advisors (GP) LLC (the "Adviser GP") is the Adviser's sole general partner. Julian C. Baker and Felix J. Baker are principals of the Adviser GP. The Adviser has complete and unlimited discretion and authority with respect to the investment and voting power of the securities held by the Funds. The general partners of the Funds relinquished to the Adviser all discretion and authority with respect to the investment and voting power of the securities held by the Funds.
- Julian C. Baker, Felix J. Baker, the Adviser GP and the Adviser disclaim beneficial ownership of the securities held directly by the Funds (6) except to the extent of their pecuniary interest therein, and this report shall not be deemed an admission that any of Julian C. Baker, Felix J. Baker, the Adviser GP or the Adviser is a beneficial owner of such securities for purposes of Section 16 or any other purpose.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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