FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT	OF CHANGES	IN BENEFICIAL	OWNERSHIP

	OMB APPROVAL								
	OMB Number:	3235-0287							
1									
	Estimated average burden								
	hours per response:	0.5							

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

Name and Address of Reporting Person* Hughes Thomas E.				2. Issuer Name and Ticker or Trading Symbol ZAFGEN, INC. [ZFGN]									ationship of k all applica Director	or 10% O		10% Ow	ner		
(Last) (First) (Middle) C/O ZAFGEN, INC.				3. Date of Earliest Transaction (Month/Day/Year) 03/31/2016							\dashv	X	Officer (give title below) Chief Executive		utive	Other (s below) Officer	pecify		
175 PORTLAND STREET, 4TH FLOOR													C. Individual or Jaint/Crown Filips (Charles As The black						
(Street)	N M	MA 02114			4. If Amendment, Date of Original Filed (Month/Day/Year)								5. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting						
(City)	(S	tate)	(Zip)										Person						
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																			
1. Title of Security (Instr. 3) 2. Transposite (Month/E			е	action ZA. Deemed Execution Date, if any (Month/Day/Year)		3. Transaction Code (Instr. 8) 4. Securities Acquired (A) of Disposed Of (D) (Instr. 3, 4)				and 5) Securitie Beneficia Owned F		s Formully (D) collowing (I) (II	Form: (D) or	n: Direct I or Indirect I nstr. 4)	7. Nature of Indirect Beneficial Ownership				
						Code	,	Amount	nount (A) or Pi		е	Reported Transaction(s) (Instr. 3 and 4)			(Instr. 4)				
	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)	or Exercise (Month/Day/Year) if any		Execution Date,	Code (Instr.		Derivative		6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amor of Securities Underlying Derivative Secur (Instr. 3 and 4)		Derivative Security		9. Number of derivative Securities Beneficially Owned Following Reported		10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	v	(A)	(D)	Date Exercisable		opiration	Title	Amount or Number of Shar	,		Transacti (Instr. 4)	on(s)			
Stock Option (Right to Buy)	\$6.68	03/31/2016		A		249,000		(1)	03	3/31/2026	Common Stock	249,00	00	\$0.00	249,00	00	D		
Stock Option (Right to Buy)	\$6.68	03/31/2016		A		124,500		(2)	03	3/31/2026	Common Stock	124,50	00	\$0.00	124,50	00	D		

Explanation of Responses:

- 1. 25% of this option vests on March 31, 2017, and the remainder vests in equal monthly installments thereafter over 36 months.
- 2. This option vests as follows: 25% on March 31, 2017; 25% on September 30, 2017; and 50% on March 31, 2018.

Remarks:

/s/ Laurie Burlingame, Attorney-in-Fact 04/04/2016

** Signature of Reporting Person Date

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

- * 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.