FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

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

ANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL OMB Number: Estimated average burden hours per response: 0.5

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* HAYDEN DONALD J JR						2. Issuer Name and Ticker or Trading Symbol REGENXBIO Inc. [RGNX]									k all applic Directo	cable) or	g Pers	on(s) to Issi 10% Ow			
(Last)	(Last) (First) (Middle) C/O REGENXBIO INC.						3. Date of Earliest Transaction (Month/Day/Year) 10/11/2017								Officer (give title below)		Other (spec below)		specify		
9600 BLACKWELL ROAD, SUITE 210					4. I	4. If Amendment, Date of Original Filed (Month/Day/Year)									6. Individual or Joint/Group Filing (Check Applicable						
(Street) ROCKVILLE MD 20850														Line) X	′						
(City)	(S	tate)	(Zip)																		
		Tab	le I - Nor	า-Deriv	ative	e Se	curit	ies Ac	quired	, Dis	sposed o	of, or Be	enefi	cially	Owned						
1. Title of Security (Instr. 3)			2. Transaction Date (Month/Day/Year)		ar)	2A. Deemed Execution Date, if any (Month/Day/Year)		Code	Transaction Code (Instr.		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 5)				es ally Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership			
								Code	v	Amount	(A) (D)	or Pr	ice	Reported Transact (Instr. 3	ion(s)			(Instr. 4)			
Common Stock				10/11	/2017				M ⁽¹⁾		20,00	0 A	. 4	0.85	20,000			D			
Common Stock				10/11	/2017				S ⁽¹⁾		20,00	0 D	\$	34.95	0.	0.00		D			
		-	Table II -								osed of converti				wned						
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Da if any (Month/Day/	oate, Transac Code (li			of Deri Sec Acq (A) o Disp of (I	of E		6. Date Exercisa Expiration Date (Month/Day/Yea		7. Title and Amo of Securities Underlying Derivative Secur (Instr. 3 and 4)		5	Price of Perivative Security Instr. 5)	9. Numbe derivative Securities Beneficia Owned Following Reported Transacti (Instr. 4)	Ov Fo Dii or (I)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)		
					Code	v	(A)	(D)	Date Exercis		Expiration Date	Title	Amo or Num of Sha	.							
Stock Option	\$0.85	10/11/2017			M ⁽¹⁾			20,000	(2)		09/23/2024	Common	20,	000	\$0.00	234,10	00	D			

Explanation of Responses:

- 1. This transaction was effected pursuant to a Rule 10b5-1 trading plan.
- 2. The previously granted option, representing a right to purchase a total of 354,100 shares, became exercisable as follows: 237,269 of the shares subject to the option are initial shares ("Initial Shares") and 116,831 of the shares subject to the option are contingent shares ("Contingent Shares"). 60,197 of the Initial Shares vested on September 17, 2014, 44,268 of the Initial Shares vested on September 17, 2015 and an additional 3,689 of the Initial Shares shall vest upon each month of continuous service to the Company thereafter. 25% of the Contingent Shares were deemed vested as of September 17, 2014 on January 13, 2015 due to a subsequent event. The remainder of the Contingent Shares vest over four years of service following September 17, 2014, with 25% of the remaining 75% of Contingent Shares having vested on September 17, 2015 and the remaining Contingent Shares vesting in 36 equal monthly installments thereafter.

Remarks:

/s/ Patrick J. Christmas as attorney-in-fact ** Signature of Reporting Person

10/13/2017

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.