FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL							
OMB Number:	3235-0287						
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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* Sullivan Timothy M					IDE	2. Issuer Name and Ticker or Trading Symbol IDERA PHARMACEUTICALS, INC. [IDRA]								(Che	eck all appl Direct	icable)	g Person(s) to Issu 10% Own Other (sp		vner
(Last) (First) (Middle) C/O IDERA PHARMACEUTICALS, INC.						3. Date of Earliest Transaction (Month/Day/Year) 12/23/2009								7	below	10	ent P	below)	
167 SIDNEY STREET					4. If A	4. If Amendment, Date of Original Filed (Month/Day/Year)									6. Individual or Joint/Group Filing (Check Applicable Line)				
(Street)	IDGE M	A ()2139		,											filed by One filed by More n		-	
(City)	(S	tate) (Zip)																
		Tab	le I - No	on-Deriv	ative S	Sec	urities	Ac	quired, [Disp	osed o	of, or B	ene	ficial	y Owne	d			
1. Title of Security (Instr. 3) 2. Transacti Date (Month/Day)						Execution Date			Code (Instr. and 5)							ies cially	Form: (D) or Indire	Direct	7. Nature of Indirect Beneficial Ownership
									Code	v	Amount (A) or (D)		Price	Report Transa		(Instr.	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)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)		4. Transactio Code (Inst 8)		on of		6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)		·. 3	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	O F C D (I) (I) (4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exercisable		piration ite	Title	or	ount nber res					
Stock Options	\$5.24	12/23/2009			A		70,000		(1)	12	/23/2019	Common Stock	70,	000	\$0.00	70,000		D	

Explanation of Responses:

 $1. \ The \ options \ vest \ in \ equal \ quarterly \ installments \ over \ four \ years, \ beginning \ on \ December \ 23, \ 2009.$

Remarks:

/s/Timothy M. Sullivan 12/23/2009

** 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.