INFINITY PHARMACEUTICALS, INC.

Form 4

Common

Stock

September 05, 2014

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549 Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b). September 03, 2014 OMB APPROVAL OMB Number: STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES 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 1(b).										
(Print or Type I	Responses)									
1. Name and A Palombella	er Name and Ticker or Trading TY PHARMACEUTICALS, NFI]				5. Relationship of Reporting Person(s) to Issuer (Check all applicable)					
(Last) C/O INFINI PHARMAC MEMORIA	ITY CEUTICALS, INC	(Month/I 09/03/2	. Date of Earliest Transaction Month/Day/Year) 09/03/2014				Director 10% Owner Officer (give title Other (specify below) below) Chief Scientific Officer			
	ndment, Date Original nth/Day/Year)				6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person					
CAMBRIDGE, MA 02139 — Form filed by More than One Reporting Person								porting		
(City)	(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned								ly Owned	
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	Code (Instr. 3, 4 and 5)			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	09/03/2014		M(1)	7,105	A		7,105	D		
Stock Common Stock	09/03/2014		M(1)	2,367	A	\$ 2.04		D		
Common Stock	09/03/2014		S(1)	9,472	D	\$ 15.39	0	D		

By 401k

6,388.4404

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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. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A) ((D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (right to buy)	\$ 2.04	09/03/2014		M(2)	7,	105	05/10/2005(3)	05/10/2015	Common Stock	7,105
Stock Option (right to buy)	\$ 2.04	09/03/2014		M(2)	2,	367	05/10/2005(3)	05/10/2015	Common Stock	2,367

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

Palombella Vito J. C/O INFINITY PHARMACEUTICALS, INC. 780 MEMORIAL DRIVE CAMBRIDGE, MA 02139

Chief Scientific Officer

Signatures

/s/ Vito J.

Palombella 09/05/2014

**Signature of Reporting Person Date

Reporting Owners 2

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).
- (1) The acquisition and disposition reported on this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on August 27, 2013.
- (2) The disposition reported on this Form 4 was effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on August 27, 2013.
- This stock option was granted under the issuer's Pre-Merger Stock Incentive Plan, which permits the early exercise of unvested stock (3) options in exchange for shares of restricted stock that are subject to a right of repurchase by the issuer that lapses in accordance with the vesting schedule of the original option. This option is fully vested.

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.