FORM 4

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

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UNITED STATES SECURITIES AND EXCHANGE COMMISSION

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Washington, D.C. 20549

OMB APPROVAL

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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

		eporting Person [*]	2. Issuer Name and Ticker or Trading Symbol Protalix BioTherapeutics, Inc. [PLX]	5. Relationship of Reporting Person(s) to Issuer				
	(First) (Middle) (N		3. Date of Earliest Transaction (Month/Day/Year) 05/02/2012	X	ck all applicable) Director Officer (give title below) President &	10% Owner Other (specify below)		
(Street) CARMIEL (City)	L3 (State)	20100 (Zip)	4. If Amendment, Date of Original Filed (Month/Day/Year)	(Cheo X Fo Fo	dividual or Joint/G ck Applicable Line rm filed by One R rm filed by More t eporting Person) eporting Person		

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned												
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	Transaction(A) or Disposed of (D)Code(Instr. 3, 4 and 5)(Instr. 8)			5. Amount of Securities Beneficially Owned	6. Ownership Form: Direct (D)	7. Nature of Indirect Beneficial Ownership				
			Code	v	Amount	(A) or (D)	Price	Following Reported Transaction(s) (Instr. 3 and 4)	or Indirect (I) (Instr. 4)	(Instr. 4)		
Common Stock	05/02/2012		М		326,267	Α	\$ 0.12	326,267	I	By Trust (2)		
Common Stock	05/02/2012		М		123,733	Α	\$ 0.972	450,000	I	By Trust (2)		
Common Stock	05/02/2012		S		450,000 ⁽¹⁾	D	\$ 7.13	0	I	By Trust (2)		

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

(c.g., puis, cuis, warants, 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. Transac Code (Instr. 8)	Transaction Code Deriv (Instr. 8) Secur Acqui (A) or Dispo of (D) (Instr.		of and E Derivative Date Securities (Month Acquired A) or Disposed		nd Expiration Date Month/Day/Year)		and of ying es and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Stock Options (Right to Buy)	\$ 0.12	05/02/2012		м			326,267	(3)	12/08/2013	Common Stock	326,267	\$0	0 (4)	D	
Stock Options (Right to Buy)	\$ 0.972	05/02/2012		м			123,733	(3)	09/10/2016	Common Stock	123,733	\$0	853,563 ⁽⁴⁾	D	

Explanation of Responses:

1. The sales reported on this Form 4 were effected pursuant to a Rule 10b5-1 trading plan.

2. To qualify for certain tax benefits under Section 102 of the Israeli Tax Ordinance, securities issued to an employee upon the exercise of stock options must be registered in the name of a trustee.

3. All of the options listed in Table II have vested.

4. Does not include (i) options to purchase 600,000 shares of common stock at an exercise price equal to \$5.00 per share that expire on February 7, 2018, (ii) options to purchase 100,000 shares of common stock at an exercise price equal to \$2.65 per share that expire on February 25, 2019, and (iii) options to purchase 250,000 shares of common stock at an exercise price equal to \$6.90 per share that expire on February 25, 2020.

> /s/ Yossi Maimon, POA 05/04/2012

** 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.