FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

	Check this box if no longer subject to
\neg	Section 16. Form 4 or Form 5
J	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

OMB APPROVAL								
OMB Number: 3235-0287								
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hours per response:	0.5							

1. Name and Address of Reporting Person* Maimon Yossi					2. Issuer Name and Ticker or Trading Symbol Protalix BioTherapeutics, Inc. [PLX]							(Ch	Relationship of eck all applic Director	able)	j Perso	on(s) to Issu 10% Ow Other (s	ner
(Last) (First) (Middle) C/O PROTALIX BIOTHERAPEUTICS, INC.					3. Date of Earliest Transaction (Month/Day/Year) 02/25/2010								below)	.0	nancia	below)	
2 SNUNIT STREET, SCIENCE PARK, POB 455				4.	If Amendment, Date of Original Filed (Month/Day/Year)								6. Individual or Joint/Group Filing (Check Applicable				
(Street)	EL L	3	20100	_							Lin	X Form fi	m filed by One Reporting Person m filed by More than One Reporting son				
(City)	(S	tate)	(Zip)														
		Ta	ble I - Non-De	rivati	ve Se	curitie	s Ac	quired, D	isposed	l of	f, or Bei	neficiall	y Owned				
1. Title of Security (Instr. 3) 2. Transar Date (Month/Date)						2A. Deemed Execution Date if any (Month/Day/Yea		Code (In:	ion Dispo			ed (A) or tr. 3, 4 and	Beneficia	ties Fo cially (D) I Following (I)		: Direct I Indirect E str. 4) (7. Nature of Indirect Beneficial Ownership (Instr. 4)
								Code	/ Amou	Amount (/		Price	Transacti (Instr. 3 a	on(s)			
	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)	ative Conversion Date rity or Exercise (Month/Day/Year) Execution Date, if any			4. Transaction 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 Amour of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)			10. Ownership Form: 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		(Instr. 4)	,,,(3)		
Stock Options (Right to Buy)	\$6.9	02/25/2010		A		130,000		(1)	02/25/20	20	Common Stock	130,000	\$0	130,000)(2)	D	

Explanation of Responses:

- 1. The options vest quarterly, in 12 equal tranches over a three-year period, commencing upon the U.S. Food and Drug Administration's marketing approval of taliglucerase alfa, if at all, and are subject to accelerated vesting upon a change in control as described in the Protalix BioTherapeutics, Inc., 2006 Stock Incentive Plan.
- 2. Does not include options to purchase 223,733 shares of common stock at an exercise price equal to \$0.972 per share that expire on September 19, 2016, options to purchase 175,000 shares of common stock at an exercise price equal to \$5.00 per share that expire on February 7, 2018 and options to purchase 50,000 shares of common stock at an exercise price equal to \$2.65 per share that expire on February 25, 2019.

/s/ Yossi Maimon

02/26/2010

** 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.