

FROST PHILLIP MD ET AL  
Form 4  
August 21, 2009

**FORM 4**

**UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549**

OMB APPROVAL

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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 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

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
FROST PHILLIP MD ET AL

2. Issuer Name and Ticker or Trading Symbol  
Protalix BioTherapeutics, Inc. [PLX]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)  
4400 BISCAYNE BLVD  
(Street)

3. Date of Earliest Transaction (Month/Day/Year)  
08/20/2009

\_\_\_ Director \_\_\_X\_\_\_ 10% Owner  
\_\_\_ Officer (give title below) \_\_\_ Other (specify below)

MIAMI, FL 33137-3227

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
\_\_\_ Form filed by One Reporting Person  
\_X\_ Form filed by More than One Reporting Person

(City) (State) (Zip)

**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)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (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)			
			Code	V	Amount (A) or Price (D)					
Common Stock	08/20/2009		S		3,458	D	\$ 6.05	8,628,455	I	Frost Gamma Investments Trust <sup>(1)</sup>
Common Stock	08/20/2009		S		31,821	D	\$ 6.07	8,596,634	I	Frost Gamma Investments Trust <sup>(1)</sup>
Common Stock	08/20/2009		S		728	D	\$ 6.08	8,595,906	I	Frost Gamma Investments Trust <sup>(1)</sup>

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Common Stock	08/20/2009	S	4,550	D	\$ 6.09	8,591,356	I	Frost Gamma Investments Trust <sup>(1)</sup>
Common Stock	08/20/2009	S	46,031	D	\$ 6.1	8,545,325	I	Frost Gamma Investments Trust <sup>(1)</sup>
Common Stock	08/20/2009	S	2,859	D	\$ 6.11	8,542,466	I	Frost Gamma Investments Trust <sup>(1)</sup>
Common Stock	08/20/2009	S	91	D	\$ 6.12	8,542,375	I	Frost Gamma Investments Trust <sup>(1)</sup>
Common Stock	08/20/2009	S	4,280	D	\$ 6.14	8,538,095	I	Frost Gamma Investments Trust <sup>(1)</sup>
Common Stock	08/20/2009	S	6,182	D	\$ 6.15	8,531,913	I	Frost Gamma Investments Trust <sup>(1)</sup>
Common Stock	08/21/2009	S	700	D	\$ 6.08	8,531,213	I	Frost Gamma Investments Trust <sup>(1)</sup>
Common Stock	08/21/2009	S	12,200	D	\$ 6.09	8,519,013	I	Frost Gamma Investments Trust <sup>(1)</sup>
Common Stock	08/21/2009	S	2,100	D	\$ 6.1	8,516,913	I	Frost Gamma Investments Trust <sup>(1)</sup>

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

**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 control number.**

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(9-02)

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

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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. 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 Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Owned Following Reporting Transaction (Instr. 6)
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
FROST PHILLIP MD ET AL 4400 BISCAYNE BLVD MIAMI, FL 33137-3227		X		
Frost Gamma Investments Trust 4400 BISCAYNE BOULEVARD, 15TH FLOOR MIAMI, FL 33137		X		

## Signatures

/s/ Phillip Frost, M.D. 08/21/2009

\*\*Signature of Reporting Person Date

/s/ Phillip Frost, M.D., as Trustee 08/21/2009

\*\*Signature of Reporting Person Date

## 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) These securities are held by Frost Gamma Investments Trust, of which the Reporting Person is the trustee. Frost Gamma Limited Partnership is the sole and exclusive beneficiary of Frost Gamma Investments Trust. The Reporting Person is one of two limited partners of Frost Gamma Limited Partnership. The general partner of Frost Gamma Limited Partnership is Frost Gamma, Inc., and the sole shareholder of Frost Gamma, Inc. is Frost-Nevada Corporation, of which the Reporting Person is the sole shareholder.

### Remarks:

Exhibit List: Exhibit 99 -- Joint Filer Information

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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