FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL OMB Number: 3235-0287 Estimated average burden hours per response: 0.5

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

	dress of Reporting		2. Issuer Name and <u> Protalix BioT</u>					5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director X 10% Owner						
(Last)	(First)	(Midd	le)	3. Date of Earliest Transaction (Month/Day/Year) Director X 10% Owner 08/20/2009 Officer (give title below) Other (specify below)										
4400 BISCA	YNE BLVD		4. If Amendment, Da	ate of Orig	inal Fi	iled (Month/D		6. Individual or Joint/Group Filing (Check Applicable Line)						
(Street) MIAMI	FL	3313	37-3227						Form filed by One Reporting Person X Form filed by More than One Reporting Person					
(City)	(State)	(Zip)												
		Table I	- Non-Deriva	ative Securities A	Acquire	d, Di	sposed o	f, or Be	enefici	ially Owned	1			
1. Title of Security (Instr. 3)			2. Transaction Date (Month/Day/Ye	Execution Date,	3. Transaction Code (Instr. 8)		4. Securities Acquired (A Disposed Of (D) (Instr. 3, and 5)			Securities Beneficially Owned	6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership		
					Code	v	Amount	(A) or (D)	Price	Following Reported Transaction(s) (Instr. 3 and 4)	(Instr. 4)	(Instr. 4)		
Common Stor	зk		08/20/200	9	S		3,458	D	\$6.05	5 8,628,455	I	Frost Gamma Investments Trust ⁽¹⁾		
Common Stock			08/20/200	9	S		31,821	D	\$6.07	7 8,596,634	I	Frost Gamma Investments Trust ⁽¹⁾		
Common Stock 08/20/200		9	S		728	D	\$6.08	8 8,595,906	I	Frost Gamma Investments Trust ⁽¹⁾				
Common Stock			08/20/200	9	s		4,550	D	\$6.09	9 8,591,356	I	Frost Gamma Investments Trust ⁽¹⁾		
Common Stock			08/20/200	9	s		46,031	D	\$6.1	8,545,325	I	Frost Gamma Investments Trust ⁽¹⁾		
Common Stoc	zk		08/20/200	9	s		2,859	D	\$6.11	1 8,542,466	I	Frost Gamma Investments Trust ⁽¹⁾		
Common Stor	ck		08/20/200	9	s		91	D	\$6.12	2 8,542,375	I	Frost Gamma Investments Trust ⁽¹⁾		
Common Stor	n Stock 08/20/200			9	s		4,280	D	\$6.14	4 8,538,095	I	Frost Gamma Investments Trust ⁽¹⁾		
Common Stor	ck		08/20/200	9	S		6,182	D	\$6.15	5 8,531,913	I	Frost Gamma Investments Trust ⁽¹⁾		

Initial and Address of Reporting Person Date Information Particle Person Transaction Date Information Person Transaction Person Person <th></th> <th></th> <th>Tabl</th> <th>e I - Non-E</th> <th>Deriv</th> <th>ative</th> <th>Sec</th> <th>cur</th> <th>rities</th> <th>s Ac</th> <th>quired</th> <th>l, Di</th> <th>sposed of</th> <th>f, or B</th> <th>eneficia</th> <th>ally Own</th> <th>ed</th> <th></th> <th></th> <th></th>			Tabl	e I - Non-E	Deriv	ative	Sec	cur	rities	s Ac	quired	l, Di	sposed of	f, or B	eneficia	ally Own	ed			
Image: constraint of the second of	1. Title of Security (Instr. 3)			Date	Date (Month/Day/Year)		Execution Date, if any			Transaction Code (Instr.		Disposed O			Securitie Benefici Owned	es ally	Form: Direct (D) or Indirect (I)		7. Nature of Indirect Beneficial Ownership	
Common Stock 08/21/2009 Image: state of the state of							Code	v	Amount	(A) or (D)	Price	Reported Transact	d tion(s)	s)		(Instr. 4)				
Common Stock 08/21/2009 Image: state in the state in	Common	08/2	08/21/2009				S		700	D	\$6.08	8,53	8,531,213 I		Ι	Frost Gamma Investmer Trust ⁽¹⁾				
Common Stock 08/21/2009 Image: solution of the soluti	Common	08/2	08/21/2009				S		12,200	D	\$6.09	8,519,013 I		Ι	Frost Gamma Investme Trust ⁽¹⁾					
1. Title of Derivativo Security 3. Transaction or Exercise Descurity 3. Transaction or Exercise Descurity 3. Date Securities Derivativo or Exercise Descurity 7. Title and Derivativo Security 8. Price Derivativo Derivativo Security 8. Date Securities Descurity 7. Title and Derivativo Securities 8. Price Derivativo Securities	Common	08/2	08/21/2009					S		2,100	D	\$6.1	8,516,913		I		Frost Gamma Investme: Trust ⁽¹⁾			
1. Title of Derivative Bacution (inser: 3) 3. Transaction Date Conversion Preceive Security 3. Transaction Date (month/Day/Year) 3. Deemed Execution Date (inser: 3) 5. Number of of methods 7. Title and Amount of Or of methods 7. Title and Amount of Or of methods 8. Price of Month/Day/Year) 9. Number of of methods 9. Number of methods 9. Number of of methods 9. Number of methods 9. Nu			Та													y Owned	ł			
I. Name and Address of Reporting Person' FROST PHILLIP MD ET AL (Last) (First) (Middle) 4400 BISCAYNE BLVD (Street) MIAMI FL 33137-3227 (City) (State) (Zip) 1. Name and Address of Reporting Person' Frost Gamma Investments Trust (Last) (First) (Middle) 4400 BISCAYNE BOULEVARD, 15TH FLOOR	Derivative Security	Conversion or Exercise Price of Derivative	Date	3A. Deemed Execution D if any	. Deemed 4. recution Date, Tran		nsaction le (Instr. Acquirec (A) or Disposed of (D) (Instr. 3,		mber ative rities ired osed	Expiration Date		rcisable and Date	7. Title Amoun Securit Underl Derivat Securit	and t of ies ying ive y (Instr.	of Derivative Security	derivativ Securiti Benefici Owned Followin Reporte Transac	ve ies ially ng ed ction(s)	Ownersh Form: Direct (E or Indire (I) (Instr. 4)	Benefic O) Owners ect (Instr. 4	
FROST PHILLIP MD ET AL (Last) (First) (Middle) 4400 BISCAYNE BLVD (Street) MIAMI FL 33137-3227 (City) (State) (Zip) 1. Name and Address of Reporting Person' Frost Gamma Investments Trust (Last) (First) (Middle) 4400 BISCAYNE BOULEVARD, 15TH FLOOR (Street) MIAMI FL 33137					Code			, ,	(A) (D)				Title	or Number of						
4400 BISCAYNE BLVD (Street) MIAMI FL 33137-3227 (City) (State) (Zip) 1. Name and Address of Reporting Person' Frost Gamma Investments Trust (Last) (First) (Middle) 4400 BISCAYNE BOULEVARD, 15TH FLOOR (Street) MIAMI FL 33137																				
MIAMI FL 33137-3227 (City) (State) (Zip) 1. Name and Address of Reporting Person* Frost Gamma Investments Trust Frost Gamma Investments Trust (Middle) 4400 BISCAYNE BOULEVARD, 15TH FLOOR (Street) MIAMI FL 33137				(Middle)																
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(City) (State) (Zip)																				
	(City)		(State)	(Zip)																

Explanation of Responses:

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

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

** 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.

Form 4 - Joint Filer Information

Name:	Frost Gamma Investments Trust
Address:	4400 Biscayne Boulevard 15th Floor Miami, Florida 33137
Designated Filer:	Phillip Frost, M.D.
Issuer & Ticker Symbol:	Protalix BioTherapeutics, Inc. ("PLX")
Date of Event Requiring Statement:	August 20, 2009

Signature: <u>/s/ Phillip Frost, M.D., Trustee</u> Phillip Frost, M.D., Trustee