TRANSGENOMIC INC Form SC 13D/A October 26, 2006

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

SCHEDULE 13D Under the Securities Exchange Act of 1934 (Amendment No. 1)\*

Transgenomic, Inc.

\_\_\_\_\_

(Name of Issuer)

Common Stock, par value \$0.01 per share

(Title of Class of Securities)

89365K206

(CUSIP Number)

Mr. Joseph I. Worsham, II General Counsel WS Capital Management, L.P. 300 Crescent Court, Ste. 1111 Dallas, Texas 75201 (214) 756-6073

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with a copy to: John D. Hogoboom, Esq. Lowenstein Sandler PC 65 Livingston Avenue Roseland, New Jersey 07068 (973) 597-2500

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(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

October 23, 2006

\_\_\_\_\_

(Date of Event which Requires Filing of this Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of Sections 240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box. []

Note: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See Section 240.13d-7 for other parties to whom copies are to be sent.

\*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

Cusip No. 89365K206 \_\_\_\_\_ 1. Names of Reporting Persons. I.R.S. Identification Nos. of above persons (entities only): BC Advisors, LLC \_\_\_\_\_ 2. Check the Appropriate Box if a Member of a Group (See Instructions): (a) [] (b) [X] \_\_\_\_\_ \_\_\_\_\_ 3. SEC Use Only \_\_\_\_\_ 4. Source of Funds (See Instructions): AF \_\_\_\_\_ \_\_\_\_\_ 5. Check if Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e): Not Applicable \_\_\_\_\_ 6. Citizenship or Place of Organization: Texas \_\_\_\_\_ 5,214,106\* 7. Sole Voting Power: Number of \_\_\_\_\_ Shares Beneficially 8. Shared Voting Power: 0 \_\_\_\_\_ Owned by Each Reporting 9. Sole Dispositive Power: 5,214,106\* \_\_\_\_\_ 10. Shared Dispositive Power: 0 Person With \_\_\_\_\_ \_\_\_\_\_ 11. Aggregate Amount Beneficially Owned by Each Reporting Person: 5,214,106\* \_\_\_\_\_ 12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions): Not Applicable \_\_\_\_\_ \_\_\_\_\_ 13. Percent of Class Represented by Amount in Row (11): 10.6%\* \_\_\_\_\_ 14. Type of Reporting Person (See Instructions): HC/CO \_\_\_\_\_ \* Based on 49,189,672 shares of common stock issued and outstanding as of September 26, 2006, as reported by the issuer in its Prospectus filed with the Securities and Exchange Commission on September 28, 2006.

Cusip No. 89365K206

1. Names of Reporting Persons. I.R.S. Identification Nos. of above persons (entities only): SRB Management, L.P.

2.	Check the Appropriate Box if a (a) [ ] (b) [X]	a Mer	mber of a Group (See Instruct.	ions):
3.	SEC Use Only			
4.	Source of Funds (See Instructions): AF			
5.	Check if Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e): Not Applicable			
6.	Citizenship or Place of Organization: Texas			
	Number of	7.	Sole Voting Power:	
	Shares Beneficially	8.	Shared Voting Power:	0
	Owned by Each Reporting	9.	Sole Dispositive Power:	
	Person With	10	. Shared Dispositive Power:	0
11.	Aggregate Amount Beneficially Owned by Each Reporting Person: 5,214,106*			
12.	Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions): Not Applicable			
13.	Percent of Class Represented by Amount in Row (11): 10.6%*			
14.	Type of Reporting Person (See Instructions): IA/PN			

\* Based on 49,189,672 shares of common stock issued and outstanding as of September 26, 2006, as reported by the issuer in its Prospectus filed with the Securities and Exchange Commission on September 28, 2006.

5. Check if Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e):

Not Applicable \_\_\_\_\_ 6. Citizenship or Place of Organization: United States \_\_\_\_\_ Number of 7. Sole Voting Power: 5,214,106\* \_\_\_\_\_ Shares Beneficially 8. Shared Voting Power: 0 \_\_\_\_\_ Owned by 9. Sole Dispositive Power: 5,214,106\* Each Reporting \_\_\_\_\_ 10. Shared Dispositive Power: 0 Person With \_\_\_\_\_ \_\_\_\_\_ 11. Aggregate Amount Beneficially Owned by Each Reporting Person: 5,214,106\* \_\_\_\_\_ 12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions): Not Applicable \_\_\_\_\_ 13. Percent of Class Represented by Amount in Row (11): 10.6%\* \_\_\_\_\_ 14. Type of Reporting Person (See Instructions): HC/IN \_\_\_\_\_

\* Based on 49,189,672 shares of common stock issued and outstanding as of September 26, 2006, as reported by the issuer in its Prospectus filed with the Securities and Exchange Commission on September 28, 2006.

Item 5. Interest in Securities of the Issuer

(a) Steven R. Becker is the beneficial owner of 5,214,106 Shares beneficially owned by BCA and SRB Management for the accounts of SRBGC, SRBQP and SRB Offshore. BCA and SRB Management are the beneficial owners of 5,214,106 Shares for the accounts of SRBGC, SRBQP and SRB Offshore.

(b) Each of the Reporting Persons has sole power to vote and direct the disposition of the Shares for which it is deemed to be the beneficial owner.

(c) The only transaction in Shares that was effected since the filing of the Schedule 13D was the purchase of 1,320,000 shares at a price of \$0.41 per Share on October 23, 2006, which purchase was effected in an ordinary brokerage transaction.

- (d) Not applicable.
- (e) Not applicable.

Item 7. Material to be Filed as Exhibits.

1. Joint Filing Agreement, dated October 23, 2006, entered into by and among BC Advisors, LLC, SRB Management, L.P. and Steven R. Becker.

#### SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

October 23, 2006

BC ADVISORS, LLC

By: /s/ Steven R. Becker Steven R. Becker, Member

SRB MANAGEMENT, L.P.

By: BC Advisors, LLC, its general partner

By: /s/ Steven R. Becker

Steven R. Becker, Member

/s/ Steven R. Becker -------Steven R. Becker

Attention: Intentional misstatements or omissions of fact constitute Federal criminal violations (See 18 U.S.C. 1001)

EXHIBIT 1

#### JOINT FILING AGREEMENT

In accordance with Rule 13d-1(k), as promulgated under the Securities Exchange Act of 1934, as amended, the persons named below agree to the joint filing on behalf of each of them a Statement on Schedule 13D (including amendments thereto) with regard to the common stock of Transgenomic, Inc. and further agree that this Joint Filing Agreement be included as an Exhibit to such joint filings. In evidence thereof, the undersigned, being duly authorized, hereby execute this Joint Filing Agreement as of October 23, 2006.

BC ADVISORS, LLC

By: /s/ Steven R. Becker

Steven R. Becker, Member SRB MANAGEMENT, L.P. By: BC Advisors, LLC, its general partner By: /s/ Steven R. Becker Steven R. Becker, Member /s/ Steven R. Becker

Steven R. Becker