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APPLIED DNA SCIENCES INC
Form SC 13G/A
February 15, 2006

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

SCHEDULE 13G
(RULE 13d - 102)

Information to be included in statements filed pursuant
to Rules 13d-1(b), (c) and (d) and amendments thereto filed
pursuant to 13d-2(b)

(AMENDMENT NO.1) *

Applied DNA Sciences, Inc.
(Name of Issuer)

Common Stock, par value \$.05
(Title of Class of Securities)

03815U102
(CUSIP Number)

December 31, 2005
(Date of Event which Requires Filing of this Statement)

Check the appropriate box to designate the rule
pursuant to which this Schedule is filed:

- Rule 13d-1(b)
 Rule 13d-1(c)
 Rule 13d-1(d)

*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).

(Continued on the Following Pages)

1. NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

Basso Private Opportunities Holding Fund Ltd.

2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

- (a)
(b)

3. SEC USE ONLY

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4. CITIZENSHIP OR PLACE OF ORGANIZATION

Cayman Islands

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:

5. SOLE VOTING POWER

0

6. SHARED VOTING POWER

647,857

7. SOLE DISPOSITIVE POWER

0

8. SHARED DISPOSITIVE POWER

647,857

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

647,857

10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9)
EXCLUDES CERTAIN SHARES* []

11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

0.6%

12. TYPE OF REPORTING PERSON*

CO

*SEE INSTRUCTIONS BEFORE FILLING OUT!

1. NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

Basso Multi-Strategy Holding Fund Ltd.

2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

(a) [x]

(b) []

3. SEC USE ONLY

4. CITIZENSHIP OR PLACE OF ORGANIZATION

Cayman Islands

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:

5. SOLE VOTING POWER

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0

6. SHARED VOTING POWER

2,437,175

7. SOLE DISPOSITIVE POWER

0

8. SHARED DISPOSITIVE POWER

2,437,175

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

2,437,175

10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9)
EXCLUDES CERTAIN SHARES* []

11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

2.1%

12. TYPE OF REPORTING PERSON*

CO

*SEE INSTRUCTIONS BEFORE FILLING OUT!

1. NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

Basso Capital Management, L.P.

2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

(a) [x]

(b) []

3. SEC USE ONLY

4. CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:

5. SOLE VOTING POWER

0

6. SHARED VOTING POWER

3,085,032

7. SOLE DISPOSITIVE POWER

0

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8. SHARED DISPOSITIVE POWER
3,085,032
9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
3,085,032
10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9)
EXCLUDES CERTAIN SHARES* []
11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)
2.7%
12. TYPE OF REPORTING PERSON*
PN

*SEE INSTRUCTIONS BEFORE FILLING OUT!

1. NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)
Basso GP, LLC
2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*
(a) [x]
(b) []
3. SEC USE ONLY
4. CITIZENSHIP OR PLACE OF ORGANIZATION
Delaware

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:

5. SOLE VOTING POWER
0
6. SHARED VOTING POWER
3,085,032
7. SOLE DISPOSITIVE POWER
0
8. SHARED DISPOSITIVE POWER
3,085,032
9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
3,085,032

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10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9)
EXCLUDES CERTAIN SHARES* []
11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)
2.7%
12. TYPE OF REPORTING PERSON*
OO

*SEE INSTRUCTIONS BEFORE FILLING OUT!

1. NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)
Howard I. Fischer
2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*
(a) [x]
(b) []
3. SEC USE ONLY
4. CITIZENSHIP OR PLACE OF ORGANIZATION
United States

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:

5. SOLE VOTING POWER
0
6. SHARED VOTING POWER
3,085,032
7. SOLE DISPOSITIVE POWER
0
8. SHARED DISPOSITIVE POWER
3,085,032
9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
3,085,032
10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9)
EXCLUDES CERTAIN SHARES* []
11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)
2.7%
12. TYPE OF REPORTING PERSON*

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IN

*SEE INSTRUCTIONS BEFORE FILLING OUT!

1. NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

Philip Platek

2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

(a)

(b)

3. SEC USE ONLY

4. CITIZENSHIP OR PLACE OF ORGANIZATION

United States

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:

5. SOLE VOTING POWER

0

6. SHARED VOTING POWER

3,085,032

7. SOLE DISPOSITIVE POWER

0

8. SHARED DISPOSITIVE POWER

3,085,032

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

3,085,032

10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9)
EXCLUDES CERTAIN SHARES*

11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

2.7%

12. TYPE OF REPORTING PERSON*

IN

*SEE INSTRUCTIONS BEFORE FILLING OUT!

1. NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

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John Lepore

2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

- (a)
- (b)

3. SEC USE ONLY

4. CITIZENSHIP OR PLACE OF ORGANIZATION

United States

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:

5. SOLE VOTING POWER

0

6. SHARED VOTING POWER

3,085,032

7. SOLE DISPOSITIVE POWER

0

8. SHARED DISPOSITIVE POWER

3,085,032

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

3,085,032

10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9)
EXCLUDES CERTAIN SHARES*

11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

2.7%

12. TYPE OF REPORTING PERSON*

IN

*SEE INSTRUCTIONS BEFORE FILLING OUT!

1. NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

Dwight Nelson

2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

- (a)
- (b)

3. SEC USE ONLY

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4. CITIZENSHIP OR PLACE OF ORGANIZATION

United States

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:

5. SOLE VOTING POWER

0

6. SHARED VOTING POWER

3,085,032

7. SOLE DISPOSITIVE POWER

0

8. SHARED DISPOSITIVE POWER

3,085,032

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

3,085,032

10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9)
EXCLUDES CERTAIN SHARES*

11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

2.7%

12. TYPE OF REPORTING PERSON*

IN

*SEE INSTRUCTIONS BEFORE FILLING OUT!

This statement is filed pursuant to Rule 13d-2(b) promulgated under the Securities Exchange Act of 1934, as amended, with respect to the shares of common stock (the "Common Stock") of Applied DNA Sciences, Inc. (the "Issuer") beneficially owned by the Reporting Persons identified in Item 2(a) below as of February 6, 2006, and amends and supplements the Schedule 13G originally filed March 9, 2005 (collectively, the "Schedule 13G"). Except as set forth herein, the Schedule 13G is unmodified.

ITEM 2(a). NAME OF PERSON FILING:

The names of the persons filing this statement on Schedule 13G are: Basso Private Opportunities Holding Fund Ltd. ("Private Opportunities Holding Fund"), Basso Multi-Strategy Holding Fund Ltd. ("Multi-Strategy Holding Fund"), Basso Capital Management, L.P. ("BCM"), Basso GP, LLC ("Basso GP"), Howard Fischer, Philip Platek, John Lepore and Dwight Nelson. BCM is the investment manager of Private Opportunities Holding Fund and Multi-Strategy Holding Fund. Basso GP is the general partner of BCM. The controlling persons of Basso GP are Howard Fischer, Philip Platek, John Lepore and Dwight Nelson (each a "Controlling Person and collectively, the "Controlling Persons").

ITEM 2(b). ADDRESS OF PRINCIPAL BUSINESS OFFICE OR, IF NONE, RESIDENCE:

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The principal business address for BCM, Basso GP and each Controlling Person is 1266 East Main Street, 4th Floor, Stamford, Connecticut 06902.

The principal business address of each of Private Opportunities Holding Fund and Multi-Strategy Holding Fund is c/o M&C Corporate Services Limited, PO Box 309GT, Ugland House, South Church Street, George Town, Grand Cayman, Cayman Islands, British West Indies.

ITEM 2(c). CITIZENSHIP:

BCM is a limited partnership formed under the laws of the State of Delaware.

Basso GP is a limited liability company formed under the laws of the State of Delaware.

Each of Private Opportunities Holding Fund and Multi-Strategy Holding Fund is a Cayman Islands company.

Each Controlling Person is a citizen of the United States.

ITEM 4. OWNERSHIP.

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

(a) Amount beneficially owned:

Private Opportunities Holding Fund beneficially owns 647,857 shares of Common Stock through its ownership of (i) 332,857 shares of Common Stock, and (ii) warrants exercisable for 315,000 shares of Common Stock.

Multi-Strategy Holding Fund beneficially owns 2,437,175 shares of Common Stock through its ownership of (i) 1,252,175 shares of Common Stock, and (ii) warrants exercisable for 1,185,000 shares of Common Stock.

BCM, as the investment manager of Private Opportunities Holding Fund and Multi-Strategy Holding Fund, is deemed to beneficially own the 3,085,032 shares of Common Stock beneficially owned by them.

Basso GP, as the general partner of BCM, is deemed to beneficially own the 3,085,032 shares beneficially owned by BCM.

Each Controlling Person, in his capacity as a controlling person of Basso GP, is deemed to beneficially own the 3,085,032 shares of Common Stock beneficially owned by Basso GP.

Collectively, the Reporting Persons beneficially own 3,085,032 shares of Common Stock.

(b) Percent of Class:

Private Opportunities Holding Fund's and beneficial ownership of 658,052 shares of Common Stock represents 0.6% of all the outstanding shares of Common Stock.

Multi-Strategy Holding Fund's beneficial ownership of 2,437,175 shares

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of Common Stock represents 2.1% of all the outstanding shares of Common Stock.

Basso GP's and each Controlling Person's beneficial ownership of 3,085,032 shares of Common Stock represents 2.7% of all the outstanding shares of Common Stock.

Collectively, the Reporting Persons beneficially own 3,085,032 shares of Common Stock representing 2.7% of all the outstanding shares of Common Stock.

(c) Number of shares as to which such person has:

(i) Sole power to vote or to direct the vote

Not applicable.

(ii) Shared power to vote or to direct the vote of shares of Common Stock:

Private Opportunities Holding Fund, BCM, Basso GP and each Controlling Person have the shared power to vote or direct the vote of 658,052 shares of Common Stock.

Multi-Strategy Holding Fund, BCM, Basso GP and each Controlling Person have the shared power to vote or direct the vote of 2,437,175 shares of Common Stock.

(iii) Sole power to dispose or to direct the disposition of shares of Common Stock:

Not applicable.

(iv) Shared power to dispose or to direct the disposition of shares of Common Stock:

Private Opportunities Holding Fund, BCM, Basso GP and each Controlling Person have the shared power to dispose or to direct the disposition of 658,052 shares of Common Stock.

Multi-Strategy Holding Fund, BCM, Basso GP and each Controlling Person have the shared power to dispose or to direct the disposition of 2,437,175 shares of Common Stock.

ITEM 5. OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS.

If this statement is being filed to report the fact that as of the date hereof the Reporting Persons have ceased to be the beneficial owner of more than five percent of the class of securities, check the following [X].

ITEM 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP.

See Exhibit B.

ITEM 10. CERTIFICATION.

By signing below the undersigned certifies that, to the best of its or his knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held

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in connection with or as a participant in any transaction having that purpose or effect.

SIGNATURE

After reasonable inquiry and to the best of its knowledge and belief, the undersigned certifies that the information set forth in this statement is true, complete, and correct.

Dated: February 14, 2006

BASSO PRIVATE OPPORTUNITIES HOLDING FUND LTD.

BASSO MULTI-STRATEGY HOLDING FUND LTD.

BASSO CAPITAL MANAGEMENT, L.P. ("BCM")

By: Basso GP, LLC

By: /s/ Howard Fischer

Howard Fischer, as a member of
Basso GP, LLC, as General
Partner of BCM (the investment
manager of Basso Private
Opportunities Holding Fund Ltd.
and Multi-Strategy Holding Fund
Ltd.)

/s/ Howard Fischer

Howard Fischer, individually and
on behalf of Basso GP, LLC, as member

/s/ Phillip Platek

Philip Platek

/s/ John Lepore

John Lepore

/s/ Dwight Nelson

Dwight Nelson

EXHIBIT A
JOINT FILING AGREEMENT

The undersigned hereby agree that the statement on Schedule 13G with respect to the Common Stock of Applied DNA Services, Inc. dated as of March 9,

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2005, as amended, is, and any further amendments thereto signed by each of the undersigned shall be, filed on behalf of each of the undersigned pursuant to and in accordance with the provisions of Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended.

Dated: February 14, 2006

BASSO PRIVATE OPPORTUNITIES HOLDING FUND LTD.

BASSO MULTI-STRATEGY HOLDING FUND LTD.

BASSO CAPITAL MANAGEMENT, L.P. ("BCM")

By: Basso GP, LLC

By: /s/ Howard Fischer

Howard Fischer, as a member of
Basso GP, LLC, as General
Partner of BCM (the investment
manager of Basso Private
Opportunities Holding Fund Ltd.
and Multi-Strategy Holding Fund
Ltd.)

/s/ Howard Fischer

Howard Fischer, individually and
on behalf of Basso GP, LLC, as member

/s/ Phillip Platek

Philip Platek

/s/ John Lepore

John Lepore

/s/ Dwight Nelson

Dwight Nelson

EXHIBIT B

Basso Private Opportunities Holding Fund Ltd.

Basso Multi-Strategy Holding Fund Ltd.

Basso Capital Management, L.P.

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Basso GP, LLC

Howard Fischer

Philip Platek

John Lepore

Dwight Nelson