

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

FORM 12b-25

SEC FILE NUMBER
001-35005

CUSIP NUMBER
045396108

NOTIFICATION OF LATE FILING

Form 10-K Form 20-F Form 11-K Form 10-Q Form 10-D Form N-SAR Form N-CSR

For Period Ended: September 30, 2014

- Transition Report on Form 10-K
 Transition Report on Form 20-F
 Transition Report on Form 11-K
 Transition Report on Form 10-Q
 Transition Report on Form N-SAR

For the Transition Period Ended: _____

Nothing in this form shall be construed to imply that the Commission has verified any information contained herein.

If the notification relates to a portion of the filing checked above, identify the item(s) to which the notification relates: _____

PART I - REGISTRANT INFORMATION

Assembly Biosciences, Inc.

Full Name of Registrant

Former Name if Applicable:

99 Hudson Street, 5th Floor

Address of Principal Executive Office

New York, NY 10013

City, State and Zip Code

Assembly Biosciences, Inc.
(Name of Registrant as Specified in Charter)

has caused this notification to be signed on its behalf by the undersigned thereunto duly authorized.

Date: November 14, 2014

By: /s/ David J. Barrett
David J. Barrett
Chief Financial Officer
