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

SCHEDULE TO

Tender Offer Statement under Section 14(d)(1) or 13(e)(1) of the Securities Exchange Act of 1934

(Amendment No. 15)

ILLUMINA, INC.
(Name of Subject Company)
CKH ACQUISITION CORPORATION
ROCHE HOLDING LTD
(Names of Filing Persons — Offeror)

Common Stock, Par Value \$0.01 Per Share (including the associated preferred stock purchase rights)

(Title of Class of Securities)

452327109 (Cusip Number of Class of Securities)

> Beat Kraehenmann Roche Holding Ltd Grenzacherstrasse 124 CH-4070 Basel Switzerland

Telephone: +41-61-688-4111

(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications on Behalf of Filing Persons)

Copies to:

Marc O. Williams
Davis Polk & Wardwell LLP
450 Lexington Avenue
New York, New York 10017
Telephone: (212) 450-4000

CALCULATION OF FILING FEE

Transaction Valuation* \$6,579,204,583

Amount of Filing Fee** \$753,976.85

*Estimated for purposes of calculating the filing fee only. This amount assumes the purchase of all 121,439,286 shares of common stock of Illumina, Inc. outstanding as of October 15, 2011, all 10,420,000 shares of common stock of Illumina subject to issuance pursuant to options outstanding as of October 2, 2011, all 3,124,000 shares of common stock of Illumina subject to issuance pursuant to outstanding restricted stock units as of October 2, 2011 and approximately 12,864,000 shares of common stock of Illumina subject to issuance upon conversion of Illumina's outstanding convertible notes. The number of outstanding shares, options, and restricted stock units is contained in Illumina's Quarterly Report on Form 10-Q for the quarter ended October 2, 2011. The numbers of shares subject to issuance upon conversion of Illumina's outstanding convertible notes is based on filings by Illumina with the Securities and Exchange Commission.

**The amount of the filing fee is calculated in accordance with Rule 0-11 of the Securities Exchange Act of 1934, as amended, by multiplying the transaction valuation by .00011460.

RCheck box if any part of the fee is offset as provided by Rule 0-11(a)(2) and identify the filing with which the offsetting fee was previously paid. Identify the previous filing by registration statement number, or the Form or Schedule and the date of its filing.

Amount Previously\$753,976.85

Paid:

Form or RegistrationSC TO-T

No.:

F i 1 i n gCKH Acquisition Corporation

Party:

Date Filed: January 27, 2012

£ Check the box if the filing relates solely to preliminary communications made before the commencement of a tender offer.

Check the appropriate boxes below to designate any transactions to which the statement relates:

R third-party tender offer subject to Rule 14d-1.

£ issuer tender offer subject to Rule 13e-4.

£ going-private transaction subject to Rule 13e-3.

£ amendment to Schedule 13D under Rule 13d-2.

Check the following box if the filing is a final amendment reporting the results of the tender offer. £

This Amendment No. 15 to the Tender Offer Statement on Schedule TO amends and supplements the statement (as amended, the "Schedule TO") originally filed on January 27, 2012 by CKH Acquisition Corporation (the "Purchaser"), a Delaware corporation and an indirect wholly owned subsidiary of Roche Holding Ltd, a joint stock company organized under the laws of Switzerland. The Schedule TO relates to the offer by the Purchaser to purchase all outstanding shares of common stock, par value \$0.01 per share (together with the associated preferred stock purchase rights, the "Shares"), of Illumina, Inc., a Delaware corporation, at \$44.50 per Share, net to the seller in cash, without interest and less applicable withholding taxes, upon the terms and subject to the conditions set forth in the Offer to Purchase, dated January 27, 2012 (the "Offer to Purchase"), and in the related Letter of Transmittal, copies of which are attached to the Schedule TO (which, together with any amendments or supplements thereto, collectively constitute the "Offer").

The information set forth in the Offer to Purchase, including all schedules thereto, is hereby expressly incorporated herein by reference in response to all of the items of the Schedule TO, except as otherwise set forth below.

Items 1 and 4.

Items 1 and 4 of the Schedule TO are hereby amended and supplemented by adding the following text thereto:

"On March 26, 2012, Purchaser extended the Offer until 6:00 p.m., New York City time, on April 20, 2012, unless further extended. As of 6:00 p.m., New York City time, on March 23, 2012, approximately 144,310 shares, including 102 shares guaranteed to be delivered within the next three NASDAQ trading days, had been tendered and not withdrawn pursuant to the offer. The full text of a press release issued by Roche Holding Ltd announcing the extension of the Offer is filed as Exhibit (a)(5)(xxiv) hereto and is incorporated herein by reference."

SIGNATURES

After due inquiry and to the best knowledge and belief of the undersigned, each of the undersigned certify that the information set forth in this statement is true, complete and correct.

Date: March 26, 2012

CKH ACQUISITION CORPORATION

By: /s/ Bruce Resnick

Name: Bruce Resnick Title: President

ROCHE HOLDING LTD

By: /s/ Dr. Gottlieb Keller

Name: Gottlieb Keller

Title: Authorized Signatory

By: /s/ Dr. Beat Kraehenmann

Name: Beat Kraehenmann Title: Authorized Signatory

EXHIBIT INDEX

Not applicable.

Not applicable.

(g)

(h)

Exhibit No. Description (a)(1)(i)Offer to Purchase dated January 27, 2012.* Letter of Transmittal (including the Guidelines for Certification of Taxpayer Identification (a)(1)(ii)Number on Substitute Form W-9).* Notice of Guaranteed Delivery.* (a)(1)(iii) Letter to Brokers, Dealers, Commercial Banks, Trust Companies and Other Nominees.* (a)(1)(iv)Letter to Clients for use by Brokers, Dealers, Commercial Banks, Trust Companies and Other (a)(1)(v)Nominees.* Summary Advertisement dated January 27, 2012.* (a)(1)(vi)Press Release issued by Roche Holding Ltd, dated January 27, 2012.* (a)(5)(i)Roche Memorandum to Global Sales Teams, dated January 27, 2012.* (a)(5)(ii)Transcript of Video Message to Roche Employees, dated January 30, 2012.* (a)(5)(iii) Press Release issued by Roche Holding Ltd, dated January 31, 2012.* (a)(5)(iv)Press Release issued by Roche Holding Ltd, dated February 1, 2012.* (a)(5)(v)Transcript of Roche Holding AG Earnings Call dated February 1, 2012.* (a)(5)(vi)Transcript of Roche Holding AG Earnings Call dated February 3, 2012.* (a)(5)(vii)(a)(5)(viii) Transcript of Roche Investors/Analysts Conference London Diagnostics Session 1, dated February 1, 2012.* (a)(5)(ix)Transcript of Roche Investors/Analysts Conference London Diagnostics Session 2, dated February 1, 2012.* (a)(5)(x)Transcript of Roche Investors/Analysts Conference London Strategy & Finance Session 1, dated February 1, 2012.* (a)(5)(xi)Transcript of Roche Investors/Analysts Conference London Strategy & Finance Session 2, dated February 1, 2012.* (a)(5)(xii) Press Release issued by Roche Holding Ltd, dated February 8, 2012.* (a)(5)(xiii) Transcript of Roche Investors/Analysts Conference New York Strategy & Finance, dated February 3, 2012.* (a)(5)(xiv) Transcript of Roche Investors/Analysts Conference New York Diagnostics, dated February 3, 2012.* (a)(5)(xv) Transcript of Roche Annual Media Conference, dated February 1, 2012.* (a)(5)(xvi) Press Release issued by Roche Holding Ltd, dated February 27, 2012.* (a)(5)(xvii) Investor Presentation, dated February 2012.* (a)(5)(xviii)2012 Annual General Meeting Press Release issued by Roche Holding Ltd, dated March 6, 2012.* (a)(5)(xix) 2012 Annual General Meeting Address given by Franz B. Humer, dated March 6, 2012.* (a)(5)(xx) 2012 Annual General Meeting Address given by Severin Schwan, dated March 6, 2012.* (a)(5)(xxi) Press Release issued by Roche Holding Ltd, dated March 13, 2012.* (a)(5)(xxii) Press Release issued by Roche Holding Ltd, dated March 20, 2012.* (a)(5)(xxiii)Letter to Illumina shareholders from Severin Schwan, dated March 20, 2012.* (a)(5)(xxiv)Press Release issued by Roche Holding Ltd, dated March 26, 2012.* Not applicable. (b) Not applicable. (c) Not applicable. (d) Not applicable. (f)

* Previously filed.