

Exhibit 99.4



- MR A SAMPLE
- DESIGNATION (IF ANY)
- ADD 1
- ADD 2
- ADD 3
- ADD 4
- ADD 5
- ADD 6



C123456789
000000000.00000 ext 000000000.00000 ext

000000000.00000 ext 000000000.00000 ext
000000000.00000 ext 000000000.00000 ext

Your vote matters - here's how to vote!

You may vote online instead of mailing this card.

Votes submitted electronically, via proxy cards must be received by June 21, 2023, at 11:59 p.m. EDT / June 22, 2023, at 5:59 a.m. CEST

Online
Go to www.investorvote.com/SOPH or scan the QR code – login details are located in the shaded bar below.

Save paper, time and money!
Sign up for electronic delivery at www.investorvote.com/SOPH

Using a black ink pen, mark your votes with an X as shown in this example.
Please do not write outside the designated areas.

**2023 Annual General Meeting Proxy Card**

1234 5678 9012 345

▼ IF VOTING BY MAIL, SIGN, DETACH AND RETURN THE BOTTOM PORTION IN THE ENCLOSED ENVELOPE. ▼

A Proposals – The Board of Directors recommend a vote FOR Proposals 1 – 9.

1. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> For	Against <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Abstain	2. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> For	Against <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Abstain	3. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> For	Against <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Abstain	4a. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> For	Against <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Abstain
4b. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> For	Against <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Abstain	4c. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> For	Against <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Abstain	4d. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> For	Against <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Abstain	4e. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> For	Against <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Abstain
4f. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> For	Against <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Abstain	4g. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> For	Against <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Abstain	4h. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> For	Against <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Abstain	5a. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> For	Against <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Abstain
5b. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> For	Against <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Abstain	5c. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> For	Against <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Abstain	6. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> For	Against <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Abstain	7. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> For	Against <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Abstain
8a. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> For	Against <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Abstain	8b. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> For	Against <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Abstain	8c. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> For	Against <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Abstain	9a. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> For	Against <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Abstain
9b. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> For	Against <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Abstain	9c. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> For	Against <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Abstain	9d. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> For	Against <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Abstain	9e. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> For	Against <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Abstain
9f. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> For	Against <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Abstain	9g. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> For	Against <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Abstain				

+

If a new proposal is made under a new or existing agenda item, I instruct the independent proxy to:

Vote in accordance with the recommendation of the Board of Directors

Vote against the proposal

Abstain



C 1234567890

1 U P X 5 7 9 7 3 5 J N T

MR A SAMPLE (THIS AREA IS SET UP TO ACCOMMODATE 140 CHARACTERS) MR A SAMPLE AND MR A SAMPLE AND

+

031508

Agenda and Proposals of the Board of Directors

- Proposals to be voted on at the meeting are listed below along with the Board of Directors' recommendations.
- The Board of Directors recommends a vote FOR Proposals 1-9:
1. 2022 Management Report, Annual Financial Statements and Consolidated Financial Statements, Auditors' Reports
The Board of Directors proposes that the Management Report, the Annual Financial Statements and the Consolidated Financial Statements for the fiscal year 2022 be approved, and that the Auditors' Reports be acknowledged.
 2. Discharge of the members of the Board of Directors and the Executive Committee
The Board of Directors proposes that the members of the Board of Directors and the Executive Committee be discharged from liability for the financial year 2022.
 3. Appropriation of 2022 Financial Result
The Board of Directors proposes that the loss of the Company be carried forward to new account.
 4. Re-election of the Chairman; election and re-election of the Members of the Board of Directors
 - a. Re-election of Troy Cox (as Chairman and member of the Board)
 - b. Re-election of Jurgi Camblong (as member of the Board)
 - c. Re-election of Tomer Berkovitz (as member of the Board)
 - d. Re-election of Jean-Michel Cossery (as member of the Board)
 - e. Re-election of Kathy Hibbs (as member of the Board)
 - f. Re-election of Didier Hirsch (as member of the Board)
 - g. Re-election of Vincent Ossipow (as member of the Board)
 - h. Election of Ula Treflikov (as member of the Board)
 5. Re-election of the members of the Compensation Committee
 - a. Re-election of Jean-Michel Cossery
 - b. Re-election of Kathy Hibbs
 - c. Re-election of Vincent Ossipow
 6. Election of the Independent Proxy
The Board of Directors proposes to elect the notary firm PHC Notaires, in Lausanne, Switzerland, as Independent Proxy for a term of office until completion of the 2024 Annual General Meeting.
 7. Re-election of the Statutory Auditor
The Board of Directors proposes to re-elect PricewaterhouseCoopers SA as the Company's statutory auditor for the financial year 2023.
 8. Approval of the Compensation of the Board of Directors and the Executive Committee
 - a. Approval of the maximum aggregate amount of compensation of the Board of Directors until completion of the 2024 Annual General Meeting

▼ IF VOTING BY MAIL, SIGN, DETACH AND RETURN THE BOTTOM PORTION IN THE ENCLOSED ENVELOPE. ▼

Proxy- SOPHiA GENETICS SA



Notice of 2023 Annual General Meeting of Shareholders

Proxy Solicited by Board of Directors for Annual General Meeting – June 26, 2023

PHC Notaires, in Lausanne, Switzerland, with the power of substitution, independent proxy, is hereby authorized to represent and vote the shares of the undersigned, with all the powers which the undersigned would possess if personally present, at the Annual General Meeting of Shareholders of SOPHiA GENETICS SA to be held on June 26, 2023, or at any postponement or adjournment thereof.

Shares represented by this proxy will be voted by the independent proxy. If no such directions are indicated, the independent proxy will have authority to vote FOR the election of the Board of Directors, FOR Items 1-9 and in accordance with the recommendation of the Board of Directors in the event of a new proposal under a new or existing agenda item.

(Items to be voted appear on reverse side)

B Authorized Signatures – This section must be completed for your vote to count. Please date and sign below.

Please sign exactly as name(s) appears hereon. Joint owners should each sign. When signing as attorney, executor, administrator, corporate officer, trustee, guardian, or custodian, please give full title.
Date (mm/dd/yyyy) – Please print date below. Signature 1 – Please keep signature within the box. Signature 2 – Please keep signature within the box.

--	--	--

C Non-Voting Items

Change of Address – Please print new address below.

--	--

Comments – Please print your comments below.

