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Using a <u>black link pen,</u> mark your votes with an X as shown in this example. Rease do not write outside the designated areas.

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2023 Annual	General	Meeting	Proxy	Card

▼ IF VOTING BY MAIL, SIGN, DETACH AND RETURN THE BOTTOM PORTION IN THE ENCLOSED ENVELOPE. ▼ ▲ Proposals – The Board of Directors recommend a vote <u>FOR</u> Proposals 1 – 9. For Against Abstain 48. 1. 4e. 44. 44 46. 44. 414 41. 5c. 6. 7. 5b. 8b. 86 88. 9d 9¢. 99. sal 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

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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

1. 2022 Management Report, Annual Financial Statements and Consolitated Financial Statements, Auditors' Reports
The Board of Directors proposes that the Management Report, the Annual Financial Statements and the Consolidated Financial Statements for the fisical 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.

new account.

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 Cambiong (as member of the Board) c. Re-election of Tomer Berkovitz (as member of the Board) d. Re-election of Jean-Michel Cosséry (as member of the Board) e. Re-election of Jean-Michel Cosséry (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 Lilia Tretikov (as member of the Board) 5. Re-election of the members of the Compensation Committee

5. Re-election of the members of the Compensation Committee

Re-election of Jean-Michel Cossery Re-election of Kathy Hibbs Re-election of Wincent Ossipow Election of the Independent Proxy

The Board of Directors proposes to elect the notary firm PHC Notaines, 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

7. Resection of the Statutory Auditor
7. 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

The Board of Directors proposes to approve a maximum aggregate amount of compensation for the members of the Board of Directors of USD 1,942,600 for the period from the 2023 Annual General Meeting.

b. Approval of the maximum aggregate amount of fixed compensation of the Executive Committee for 2024

The Board of Directors proposes to approve a maximum aggregate amount of fixed compensation for the members of the Executive Committee of USD 2,479,400 for the

fiscal year 2024. c. Approval of the maxin Committee for 2023 m appregate amount of variable compensation of the Executive

The Board of Directors proposes to approve a maximum aggregate amount of variable compensation for the members of the Executive Committee of USD 12,000,000 for the current fiscal year 2023. Amendments to the Articles of Association a. Change of Statutory Seat

The Board of Directors proposes to amend Article 1 (Name, registered office) of our AoA in order to change the Company's registered seat from Saint-Sulpice, Canton of Vaud, to Rolle Canton of Vaud.

b. Capital Range
The Board of Directors proposes to replace the current Article 4a (Authorized Share Capital) of our AoA by a new Article 4a (Capital Range).

c. Conditional Share Capitals

The Board of Directors proposes to amend Article 4b and Article 4c of our AoA.

The Board of Directors proposes to introduce a new Article 11a in our AoA.

Jurisdiction
The Board of Directors proposes to amend Article 14 of our AoA and introduce a new Article 35a in our AoA.

f. Shares and Shareholders Matters

The Board of Directors proposes to amend the following provisions of the AoA: Article 8, Article 9, Article 10, Article 11, Article 12, Article 13, Article 14, heading of Section 7 and Article 35.

g. Corporate Governance and other matters

The Board of Directors proposes to amend the following provisions of the AoA: Article 19, Article 20, Article 25 and heading of Article 25, Article 26, Article 27, Article 29, Article 30 and Article 32

▼ 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)

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