



DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 412TH TEST WING (AFMC)
EDWARDS AIR FORCE BASE CALIFORNIA

Colonel Kirk Reagan
195 E Popson Avenue
Edwards AFB, CA 93524

Mr. John Greenewald
27305 W Live Oak Rd.
Castaic, CA 91384

Dear Mr. Greenewald,

This responds to your 21 March 2019, Freedom of Information Act (FOIA) request 2019-03202-F received on 1 May 2019, which seeks the following:

***“a copy of records, electronic or otherwise, of the following document:
Propulsion Systems For Launch Vehicles And Spacecraft ADB022140
(Date Range for Record Search: From 10/25/1977 To 10/25/1977)”***

We reviewed 28 pages of which 24 are denied in full and 4 are fully releasable in accordance with the following exemptions.

FOIA Exemption 4, 5 U.S.C. §552(b)(4) protects from disclosure “(a) Trade secrets; or (b) Information that is: 1. commercial or financial; 2. obtained from a person or entity outside of the U.S. Government; and 3. privileged or confidential.” The document requested is protected from release by copyright law. Section 106 of Title 17, U.S.C. protects copyrighted material in the United States. However, this report was copyrighted in Germany, and would be protected first by German copyright law. The Copyright Act of 9 September 1965 (Federal Law Gazette I p. 1273), as last amended by Article 1 of the Act of 1 September 2017 (Federal Law Gazette I p. 3346) Section 64 General states, “Copyright expires 70 years after the author’s death.” (This is the same duration standard currently enacted in United States copyright law.) German copyright law is honored by the United States.

If you disagree and interpret this response as an adverse action, you may write to the Secretary of the Air Force, thru: the Edwards AFB FOIA Mailbox at s533c5@us.af.mil within 90 calendar days from the date of this letter. Include in the appeal your reasons for reconsideration, and attach a copy of this letter. You may also submit your appeal on line at the Air Force’s Public Access Link: <https://efoia.milcloud.mil/App/PalLogin.aspx>.

You may contact the Air Force FOIA Public Liaison Officer, Ms. Anh Trinh, concerning this final response at Air Force FOIA Public Liaison Office, 1800 Air Force Pentagon, Washington, DC 20330-1800 or usaf.pentagon.saf-cio-a6.mbx.af-foia@mail.mil or (703) 614-8500. You may also seek dispute resolution services from the Office of Government Information Services,

and can find information on this Office at <https://ogis.archives.gov/mediation-program/request-assistance.htm>. Using the dispute resolution services, will not affect your appeal rights.

The FOIA provides for the collection of fees based on the costs of processing a FOIA request and your fee category. In this case, we assessed no fees for processing this request.

Direct questions to Edwards AFB FOIA Mailbox at s533c5@us.af.mil or call 661-277-8370 and reference FOIA case number 2019-03202-F.

Sincerely,



KIRK L. REAGAN, Col, USAF
Vice Commander, 412th Test Wing

Attachment:
Responsive Records (28 pages)

This document is made available through the declassification efforts
and research of John Greenewald, Jr., creator of:

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AD B022140-1

FTD-ID(RS)I-0207-77

FOREIGN TECHNOLOGY DIVISION



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PROPULSION SYSTEMS FOR LAUNCH VEHICLES AND SPACECRAFT

by

R. H. Reichel



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9 March 1977

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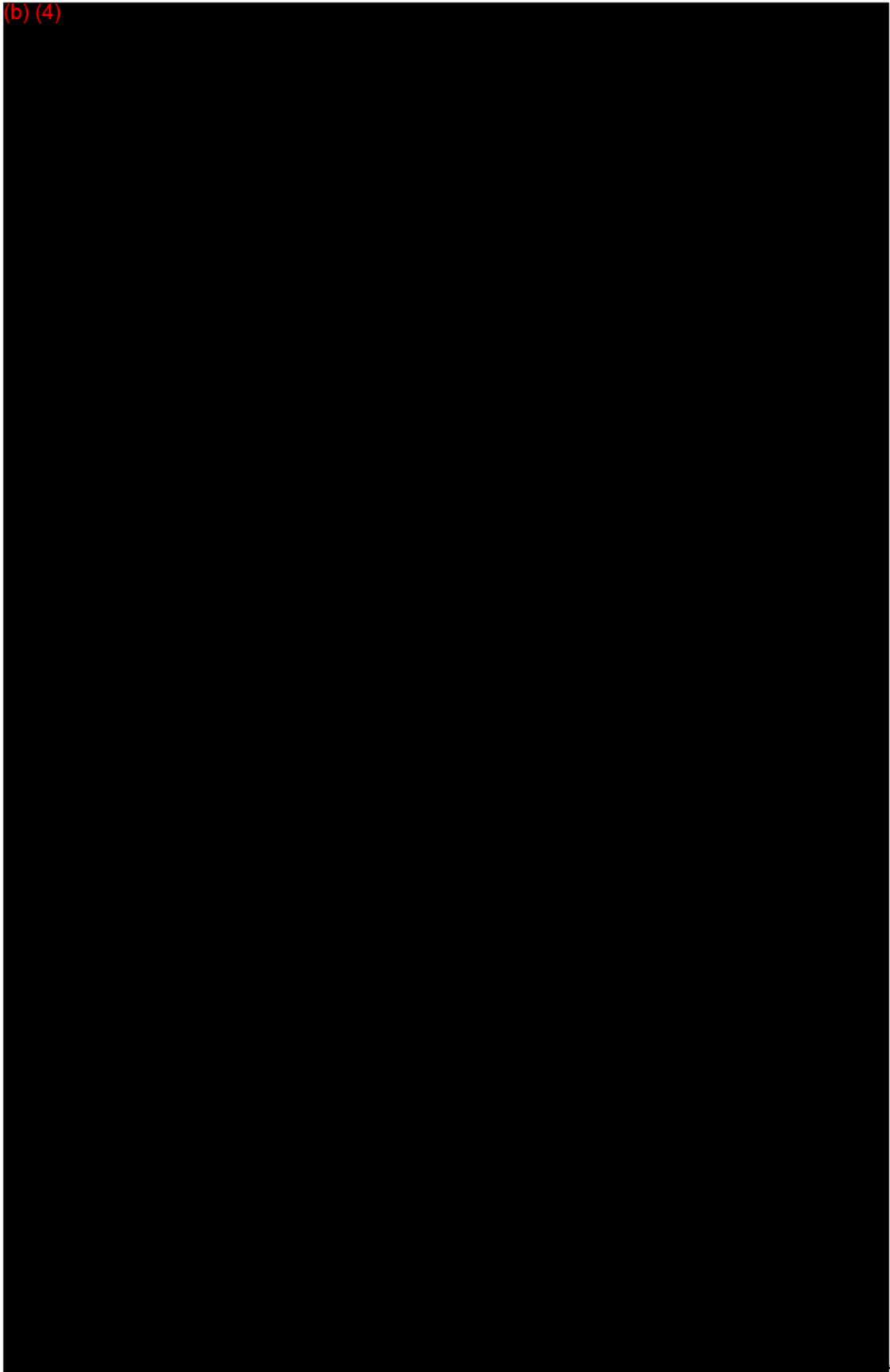
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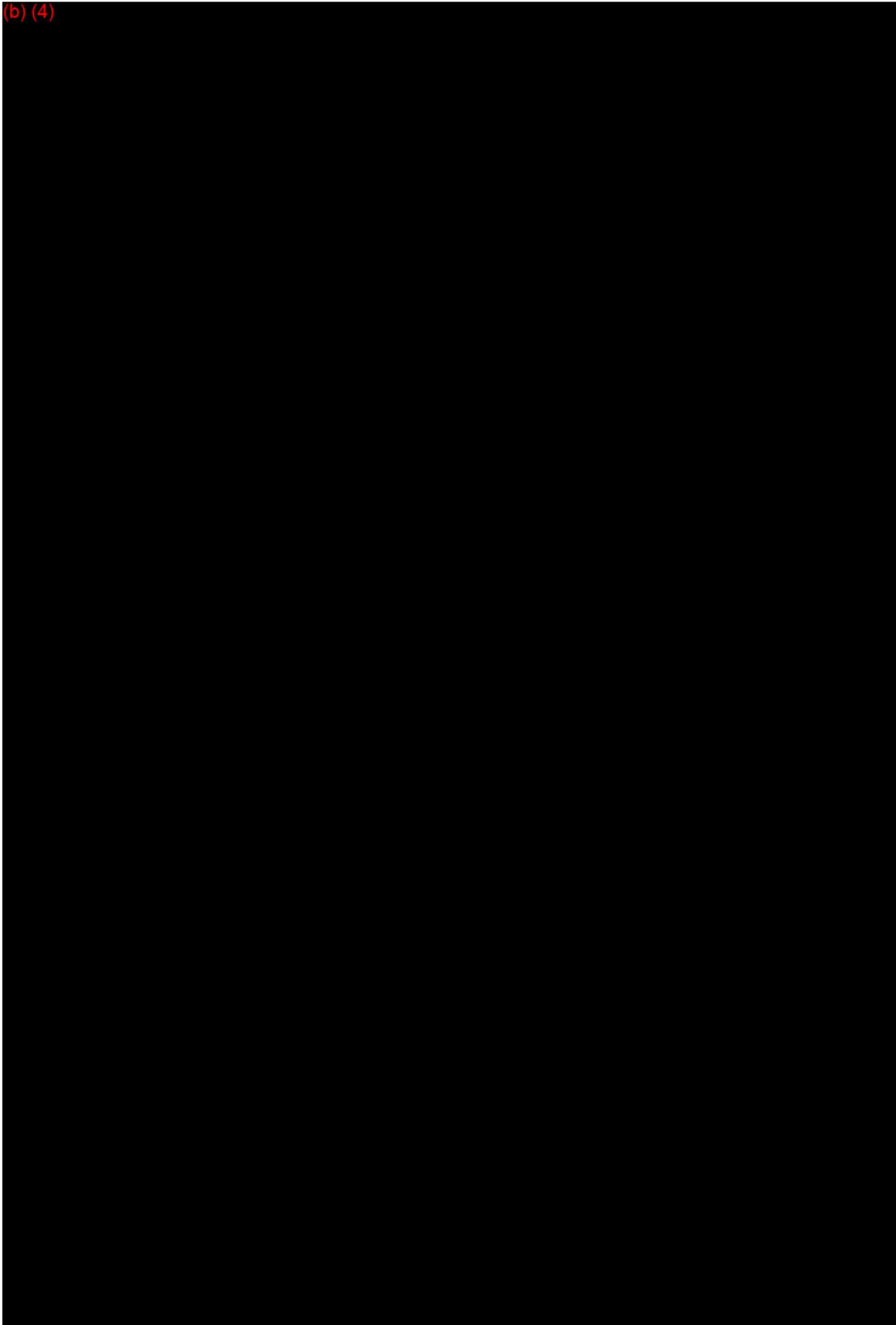
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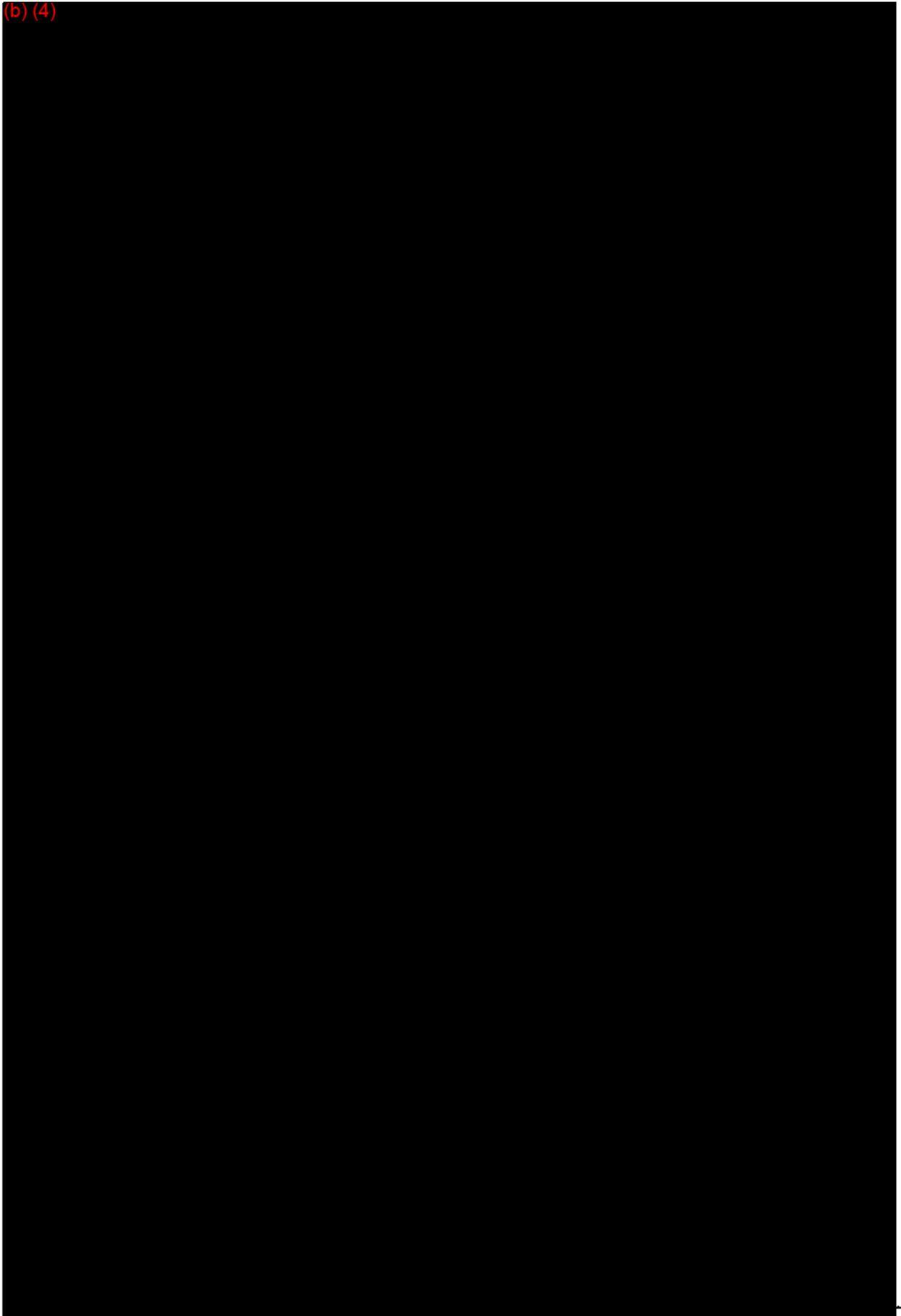
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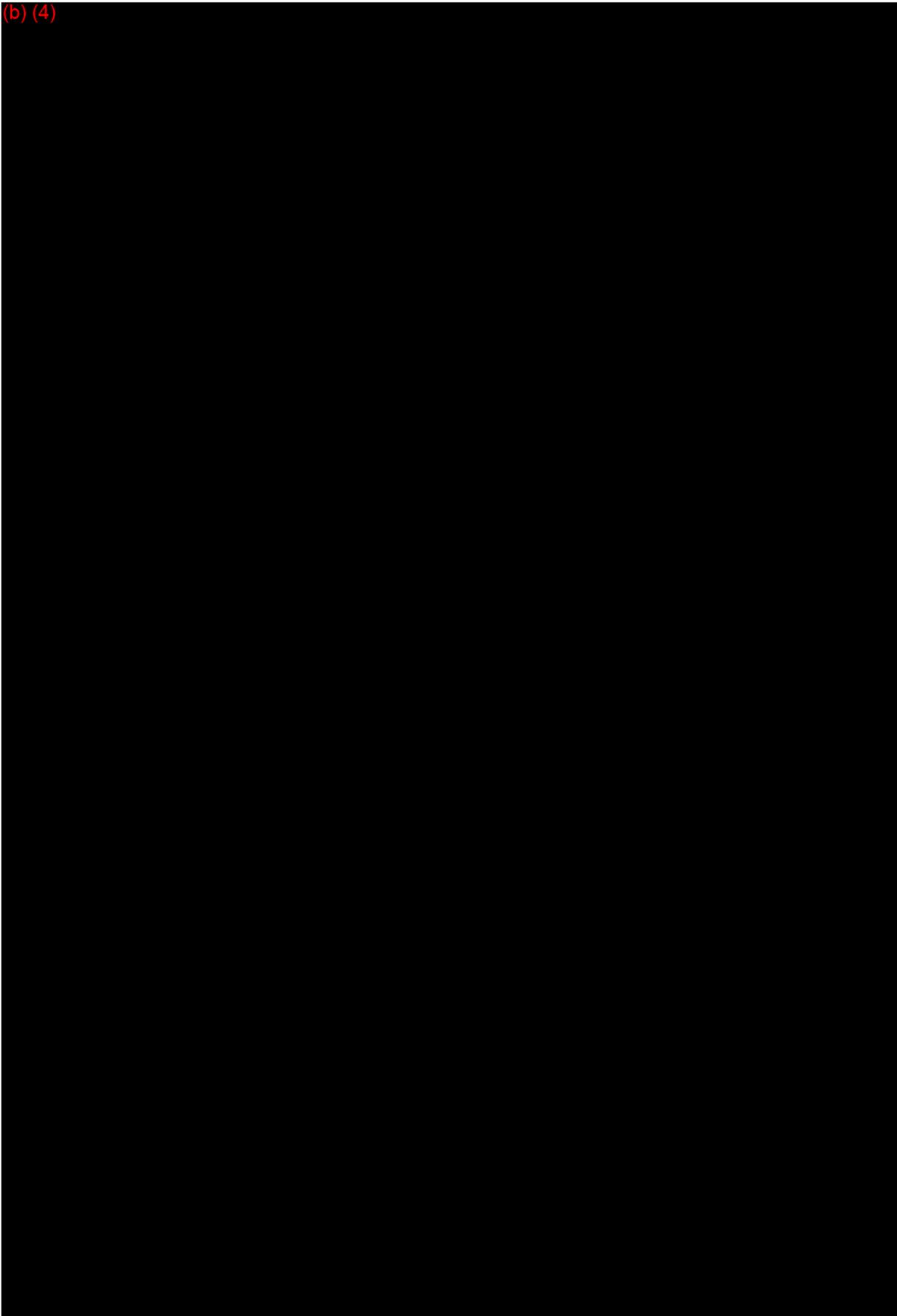
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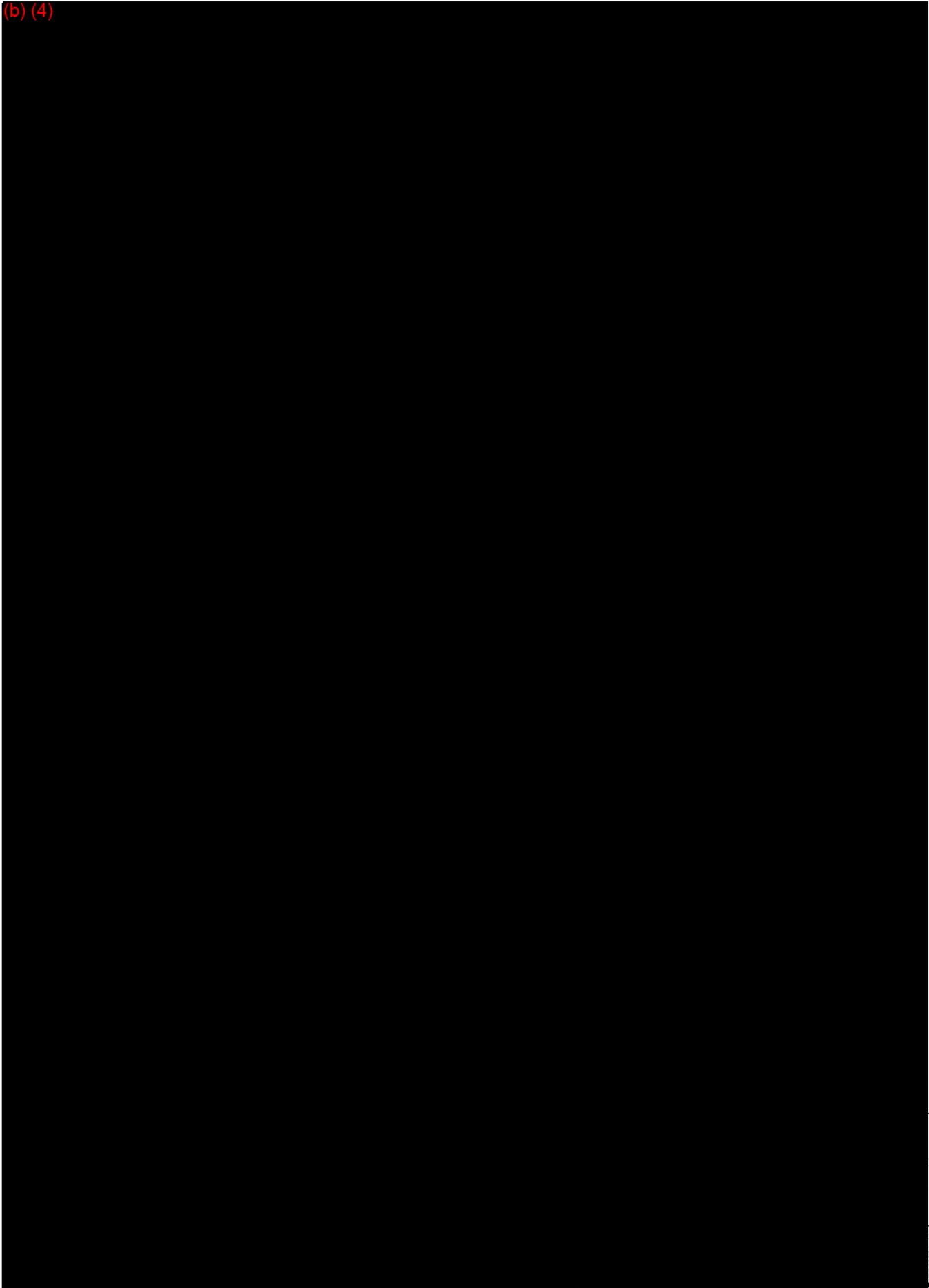
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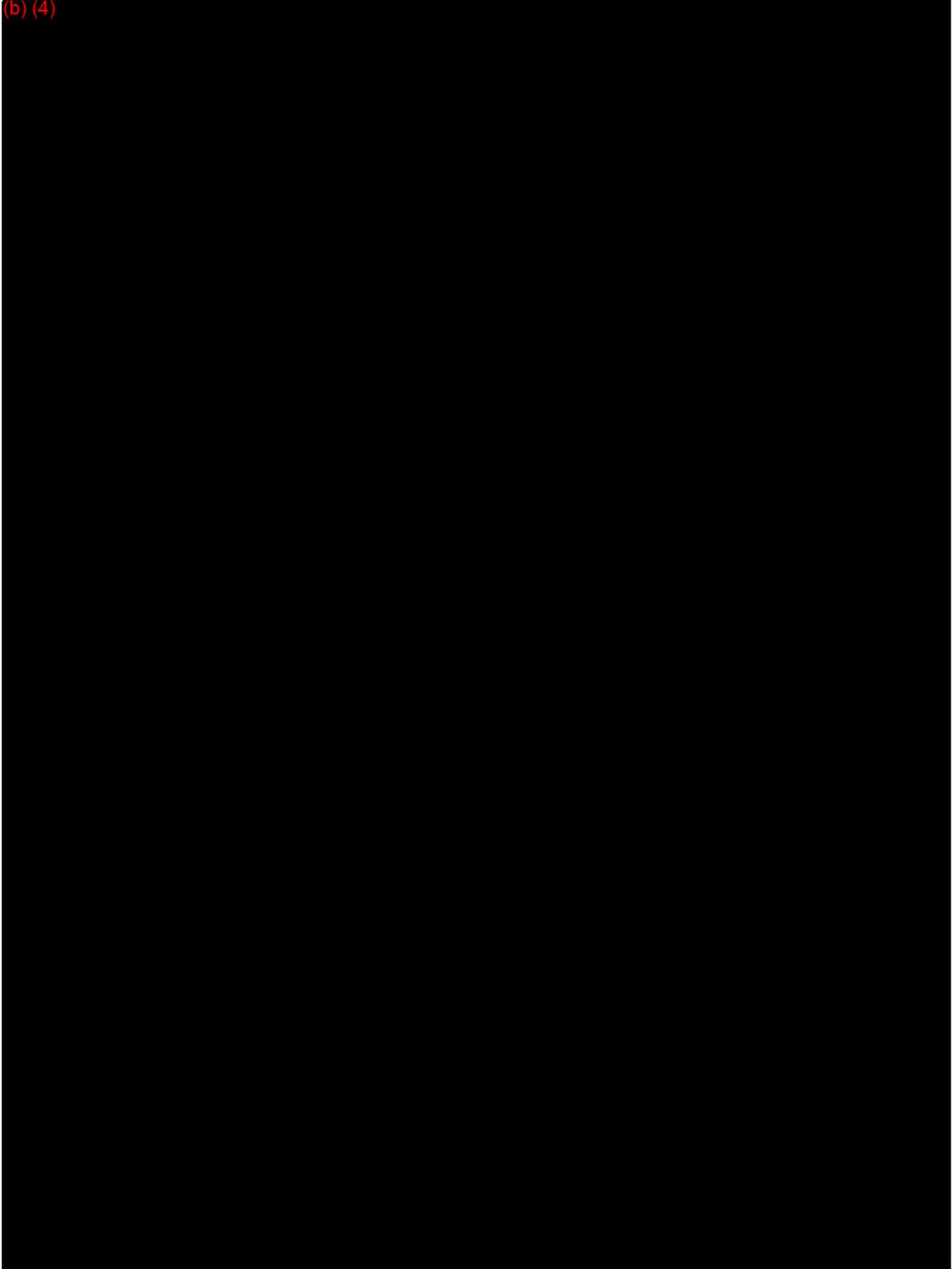


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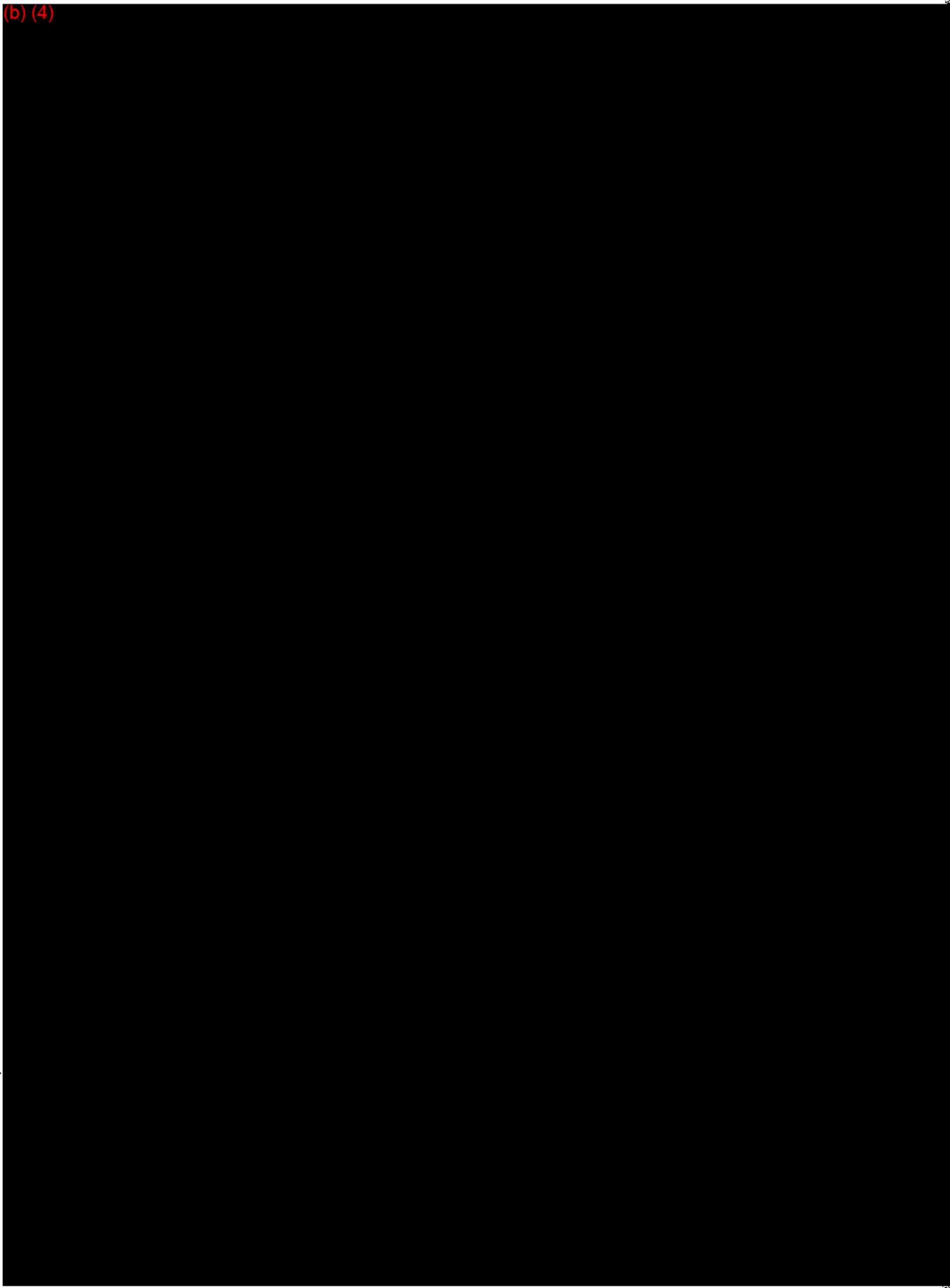


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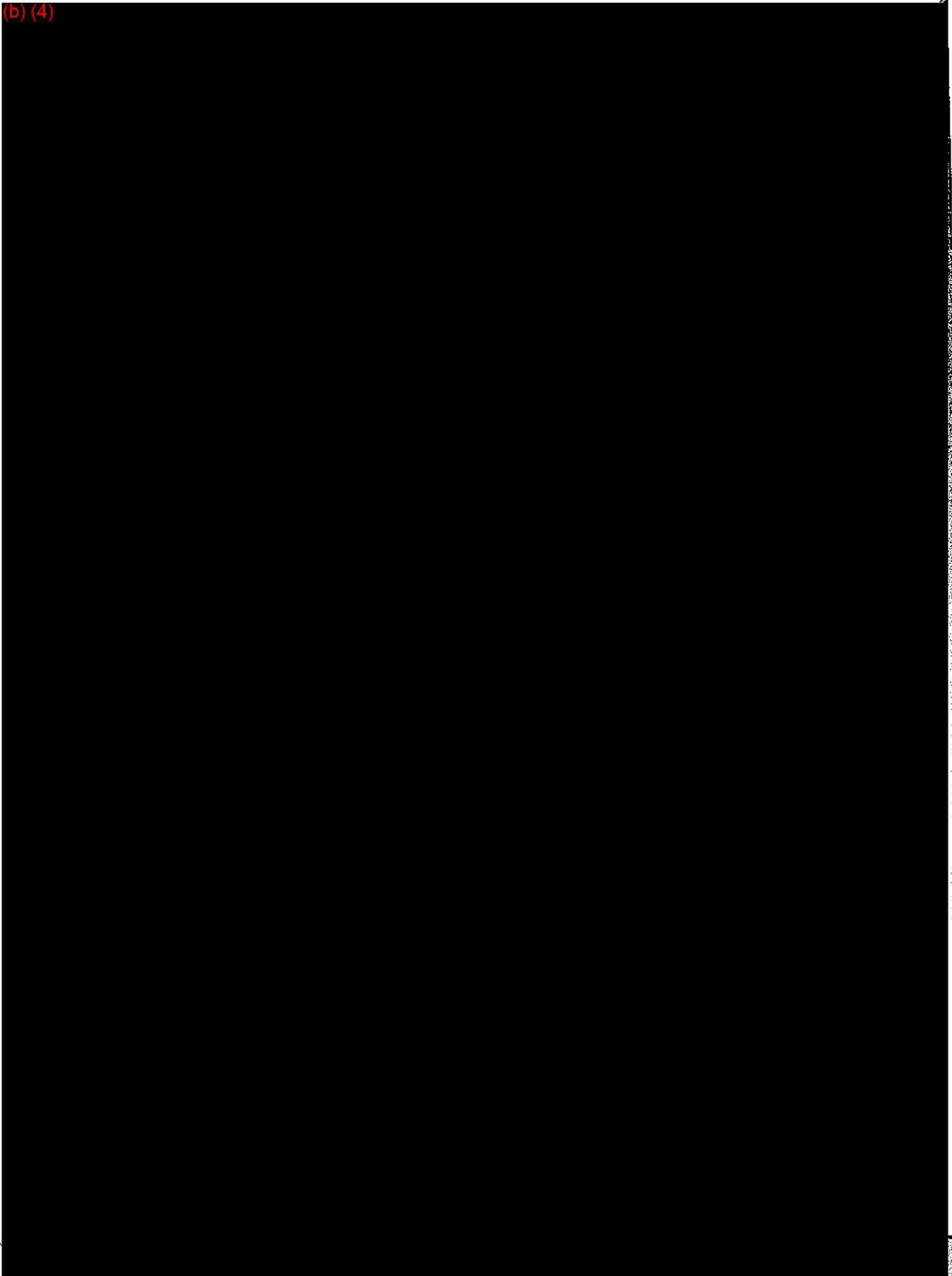
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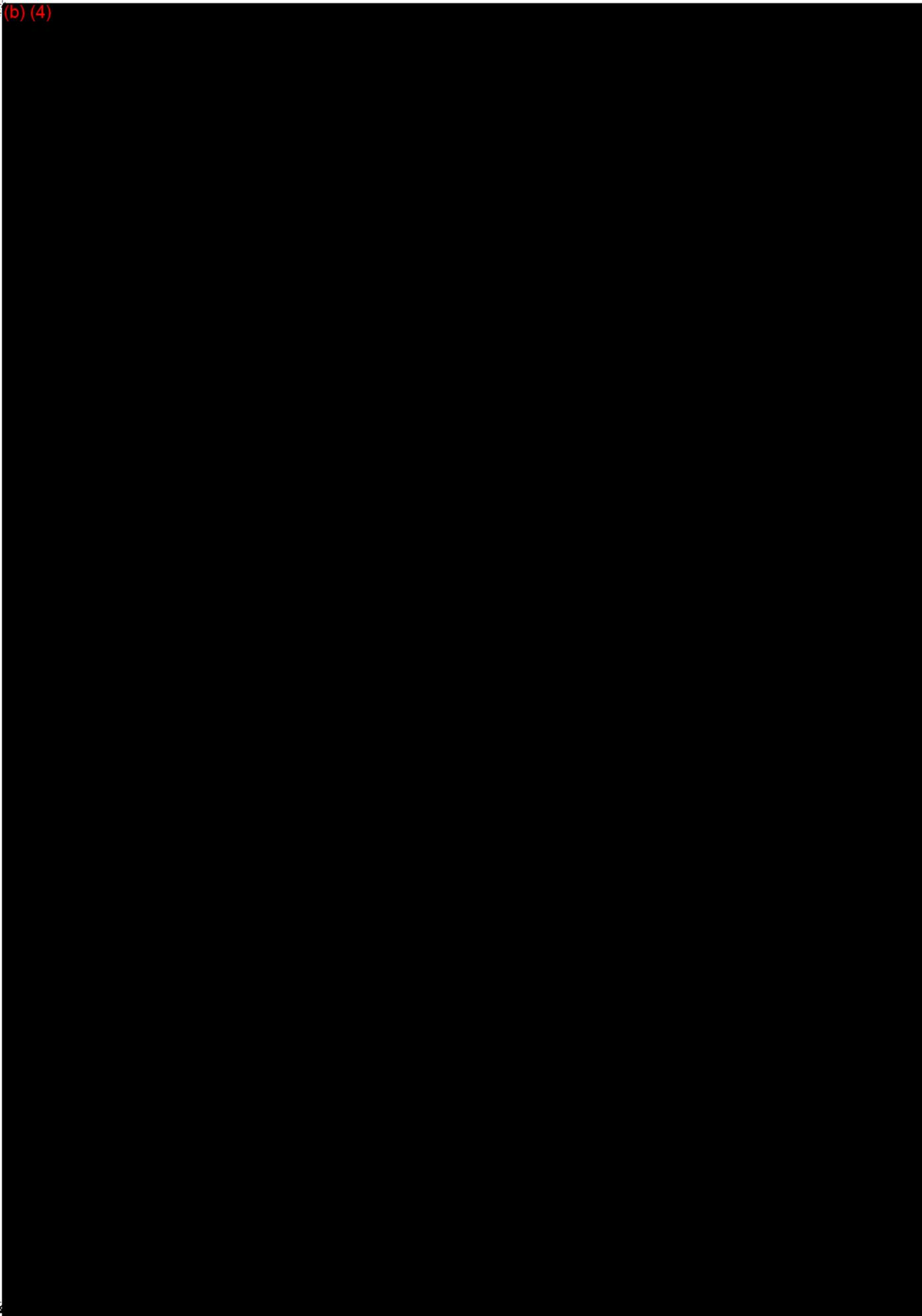
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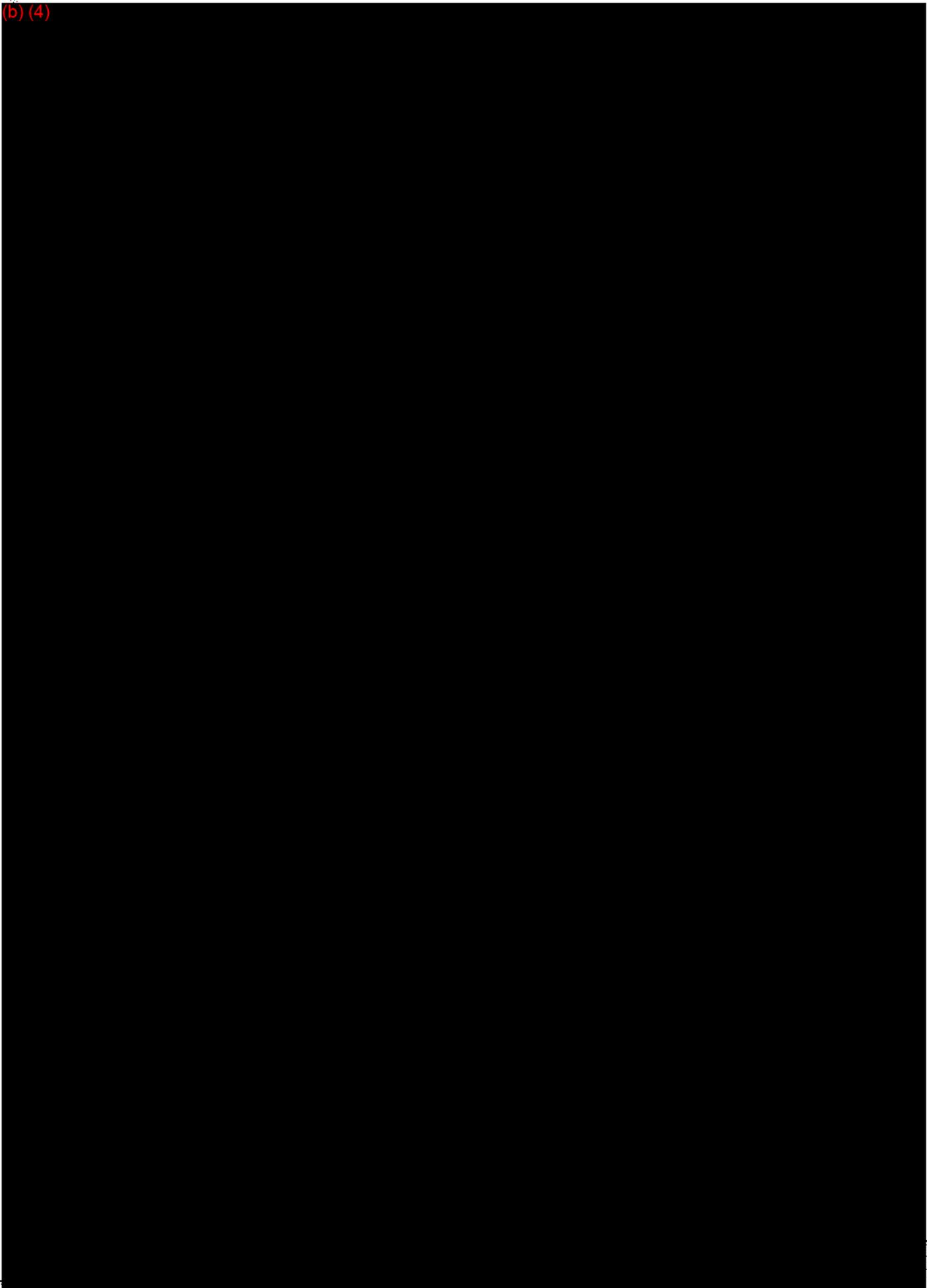
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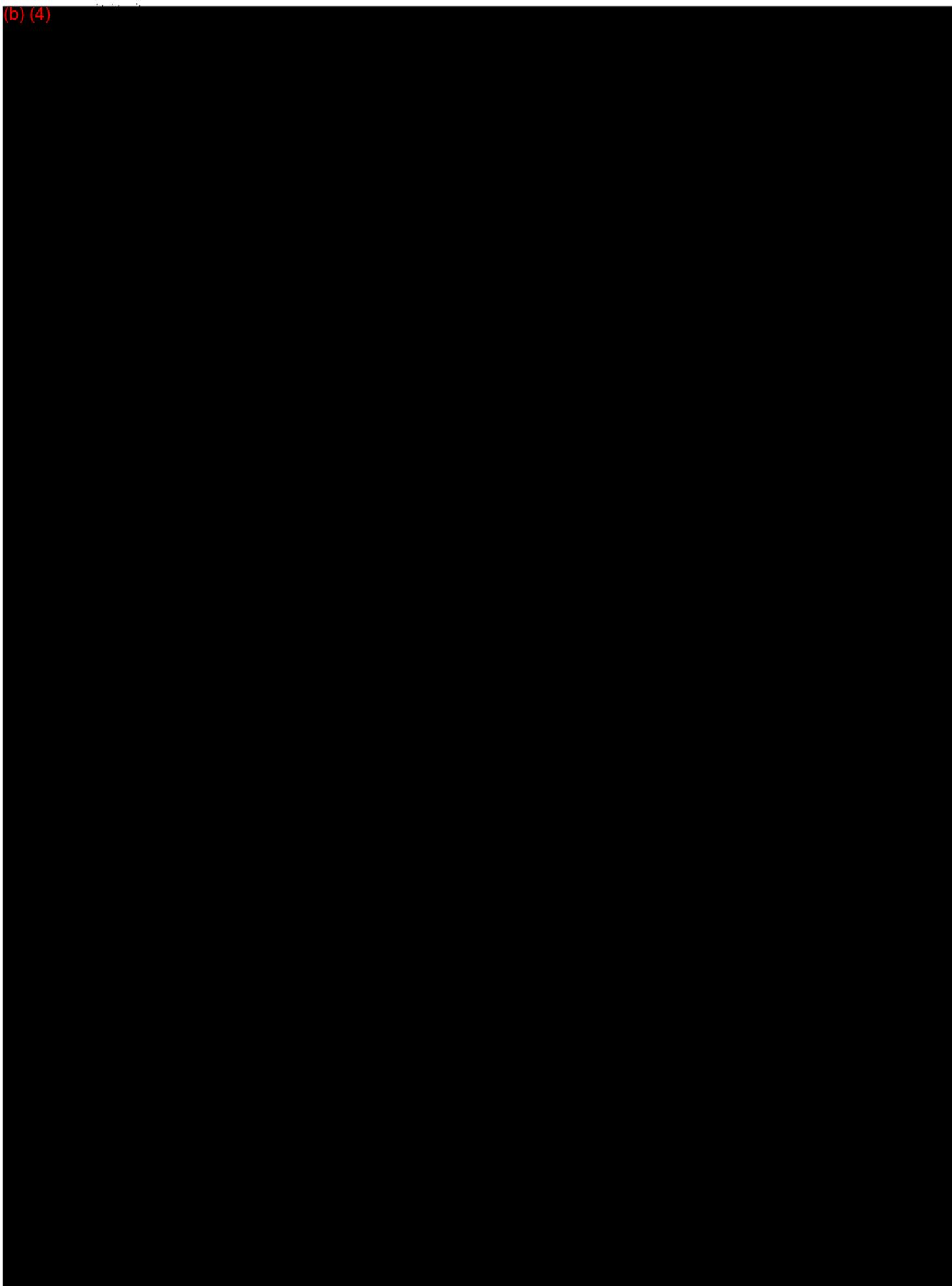
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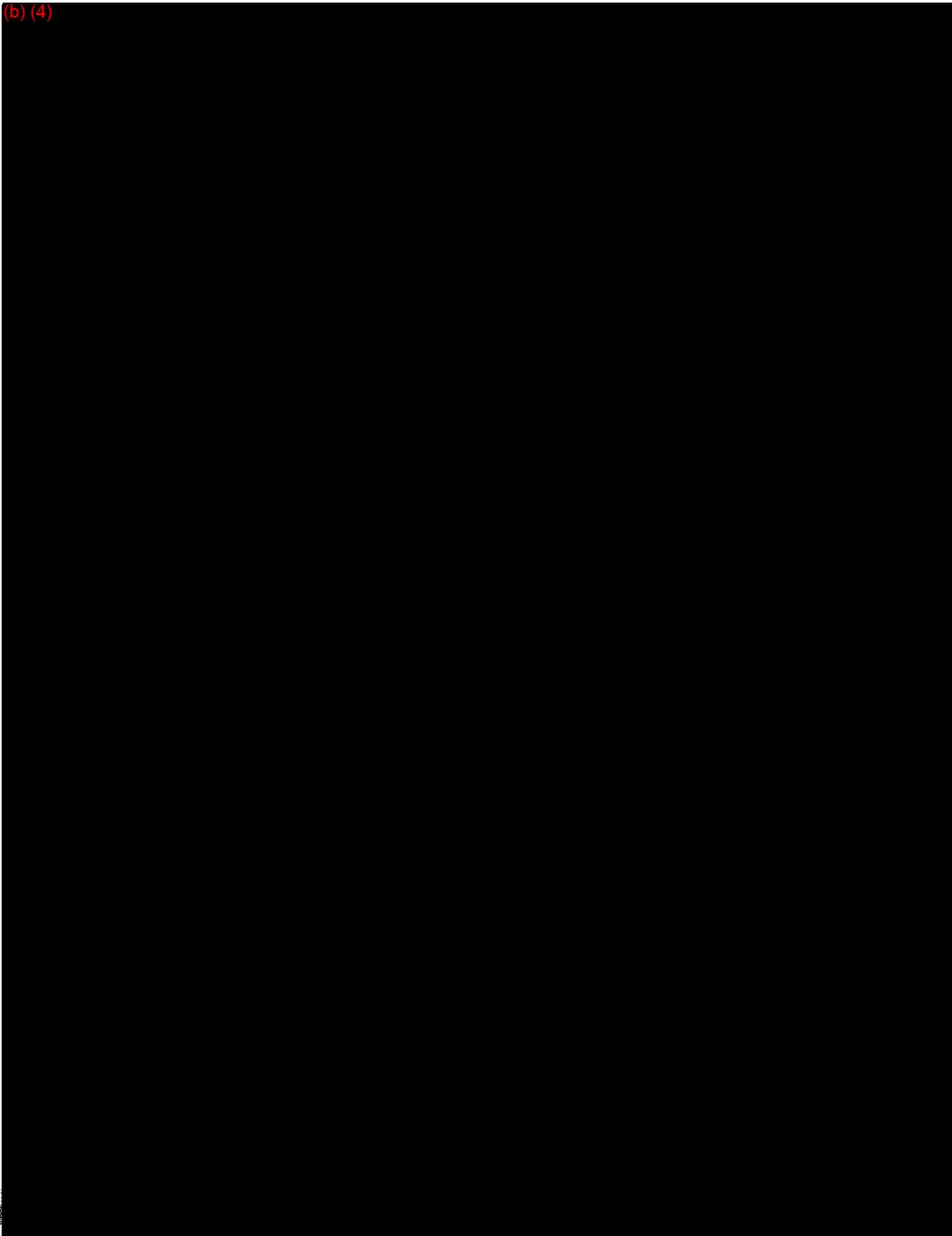
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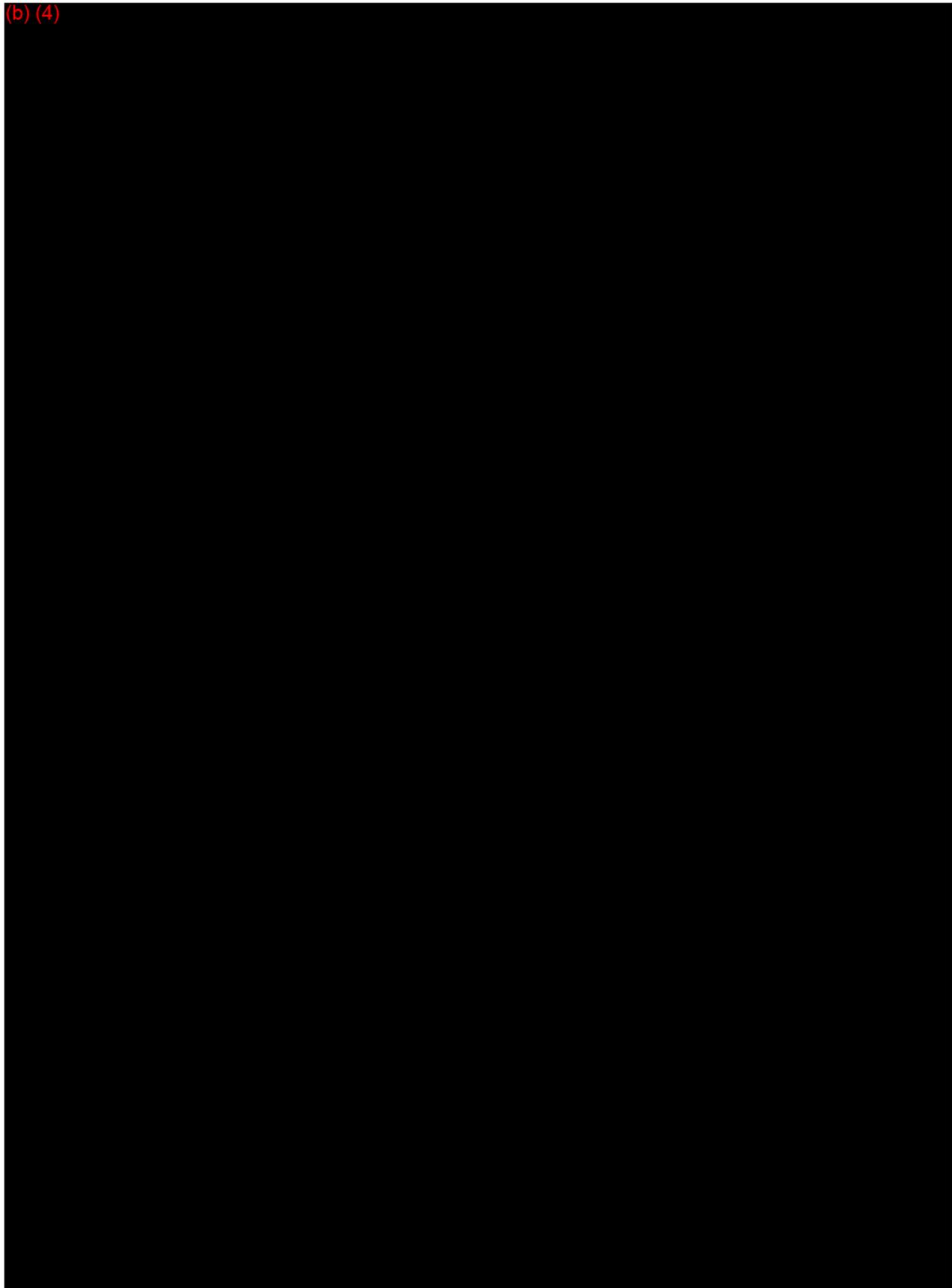
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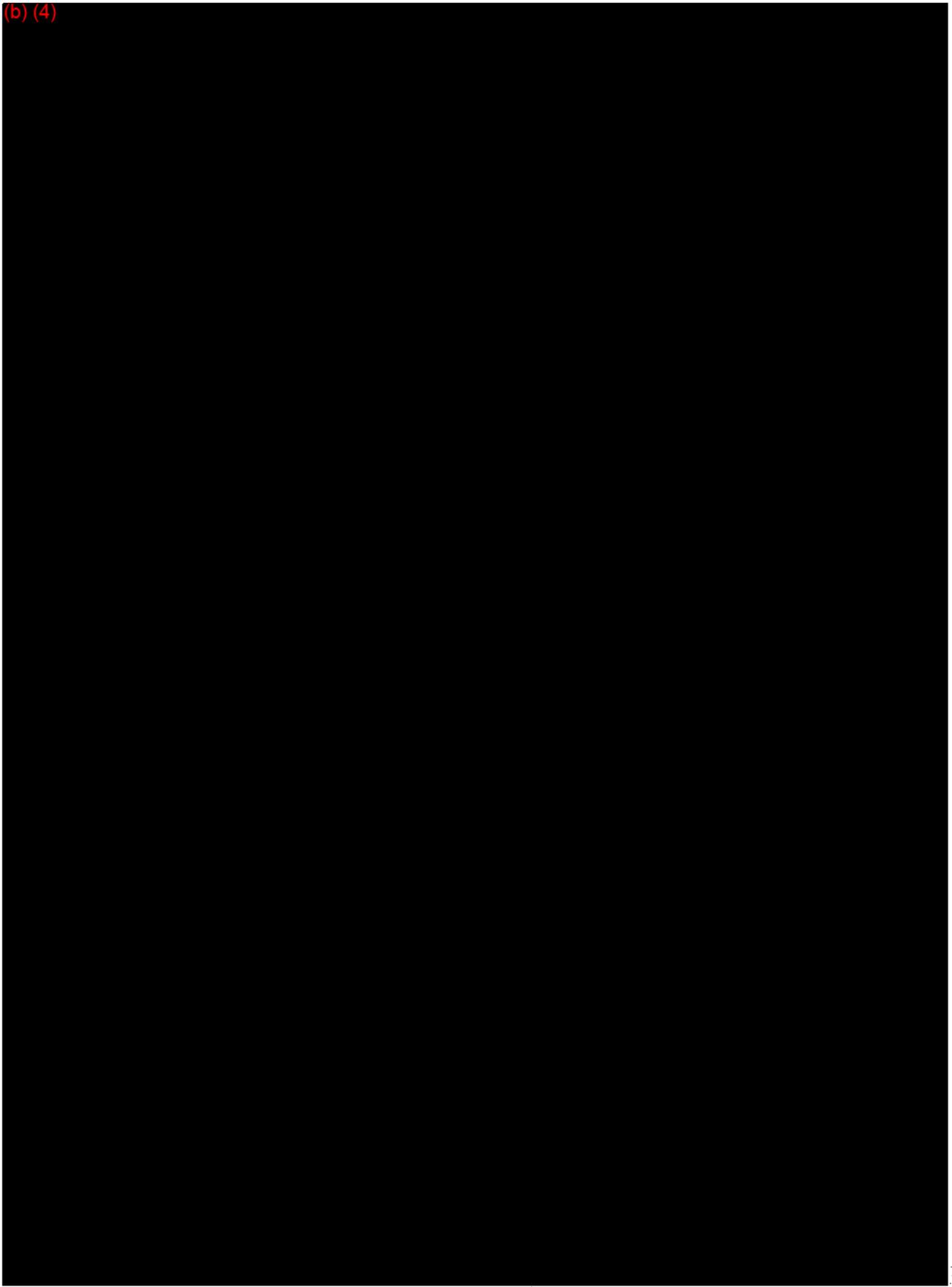
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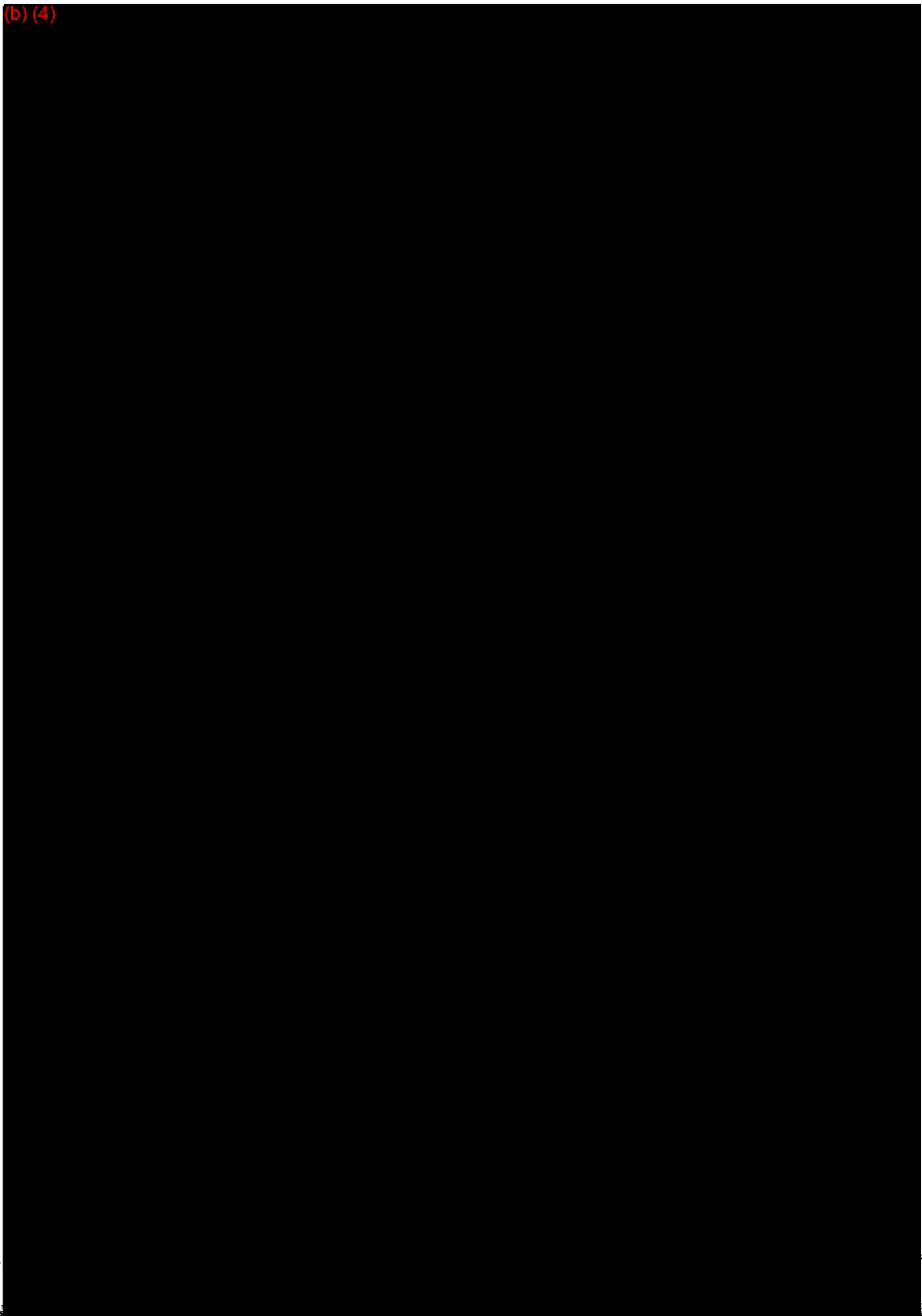
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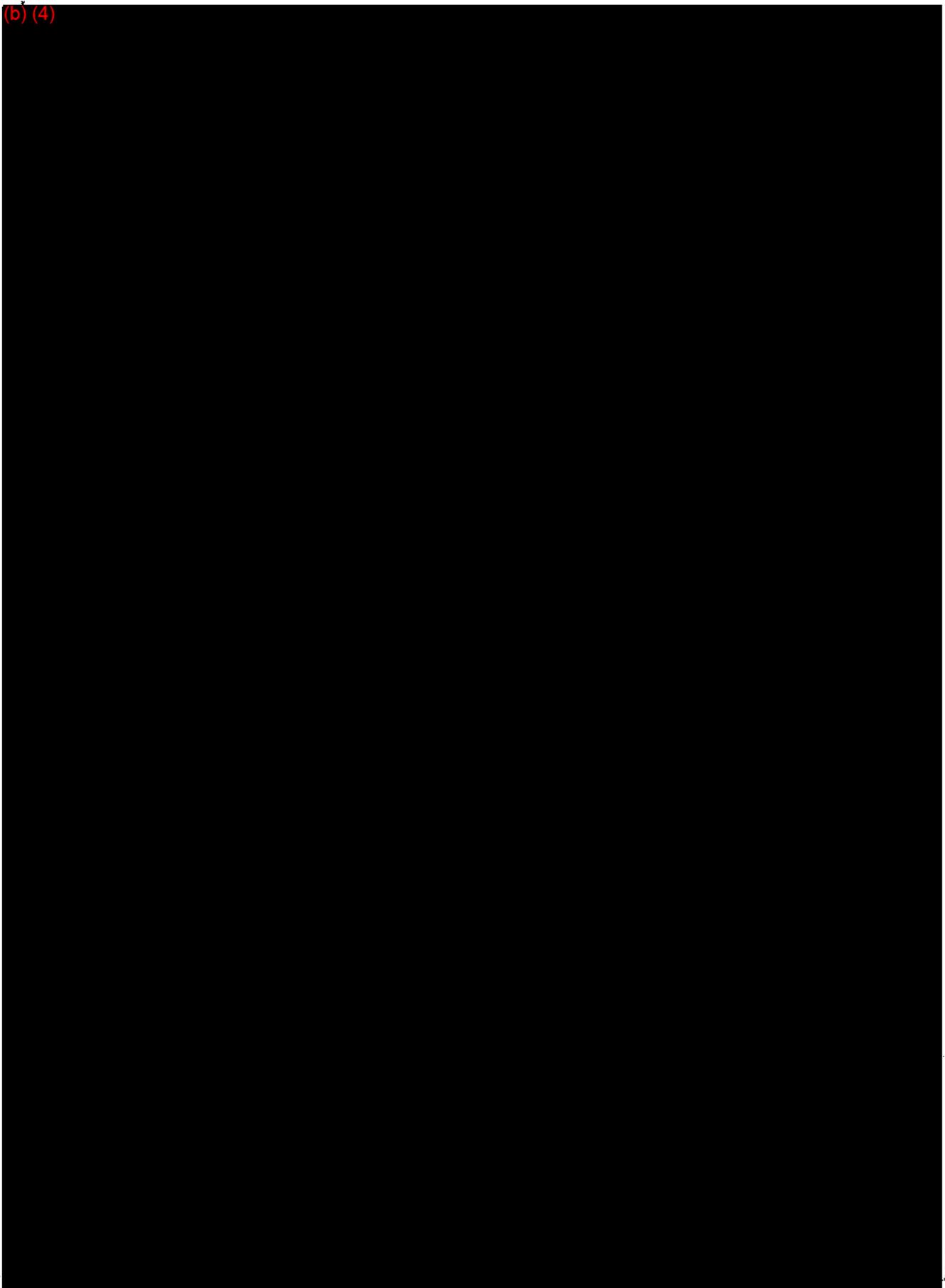
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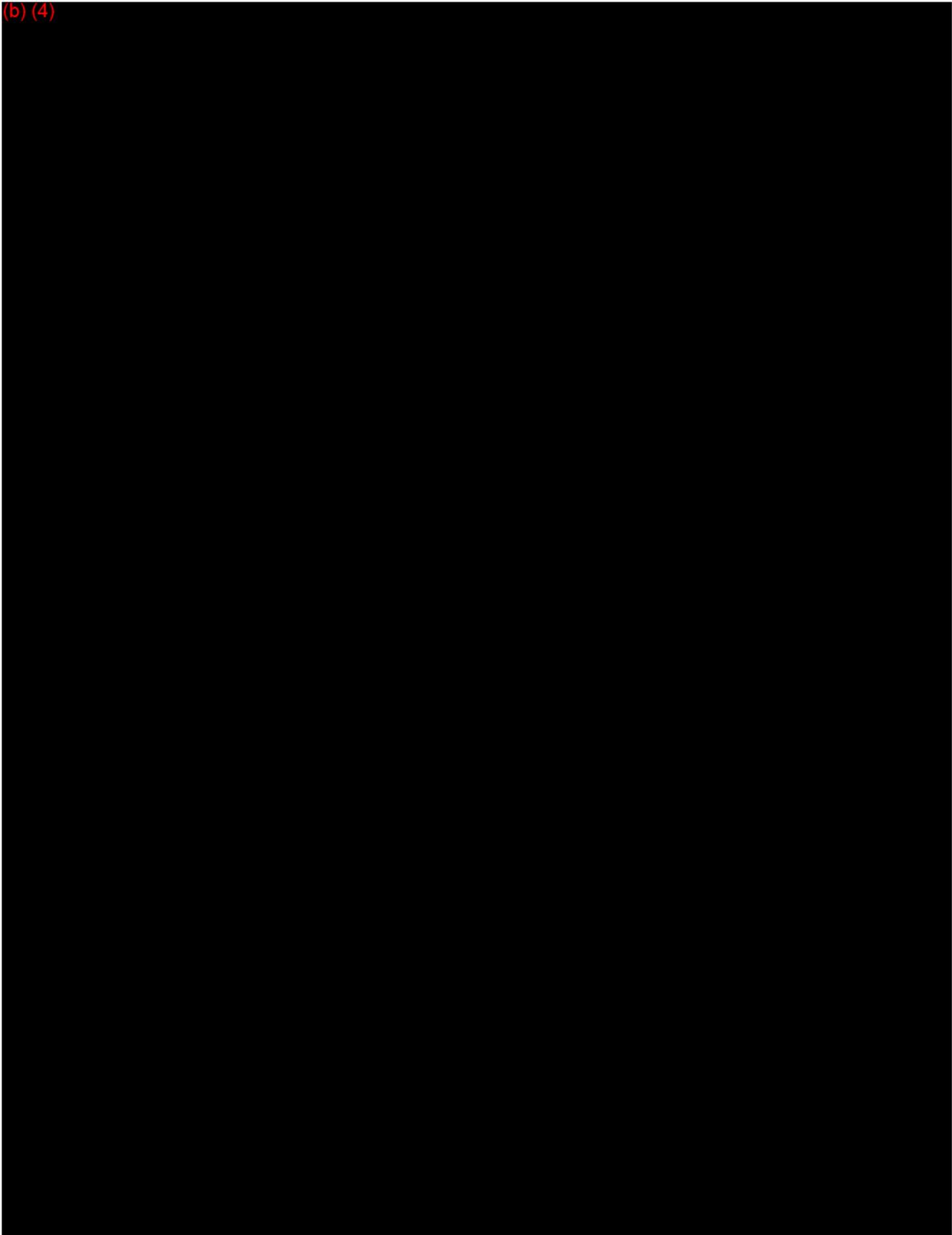
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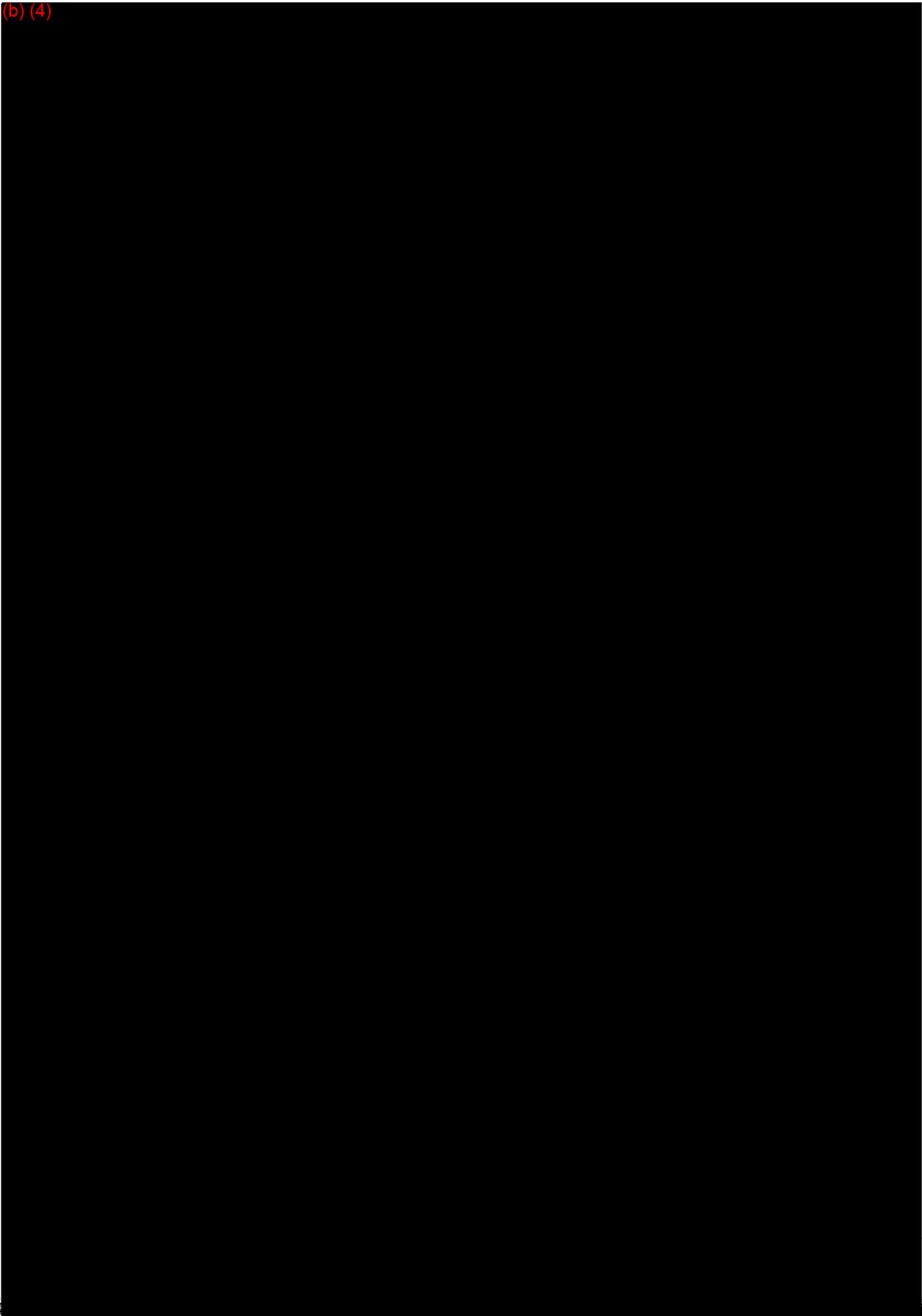
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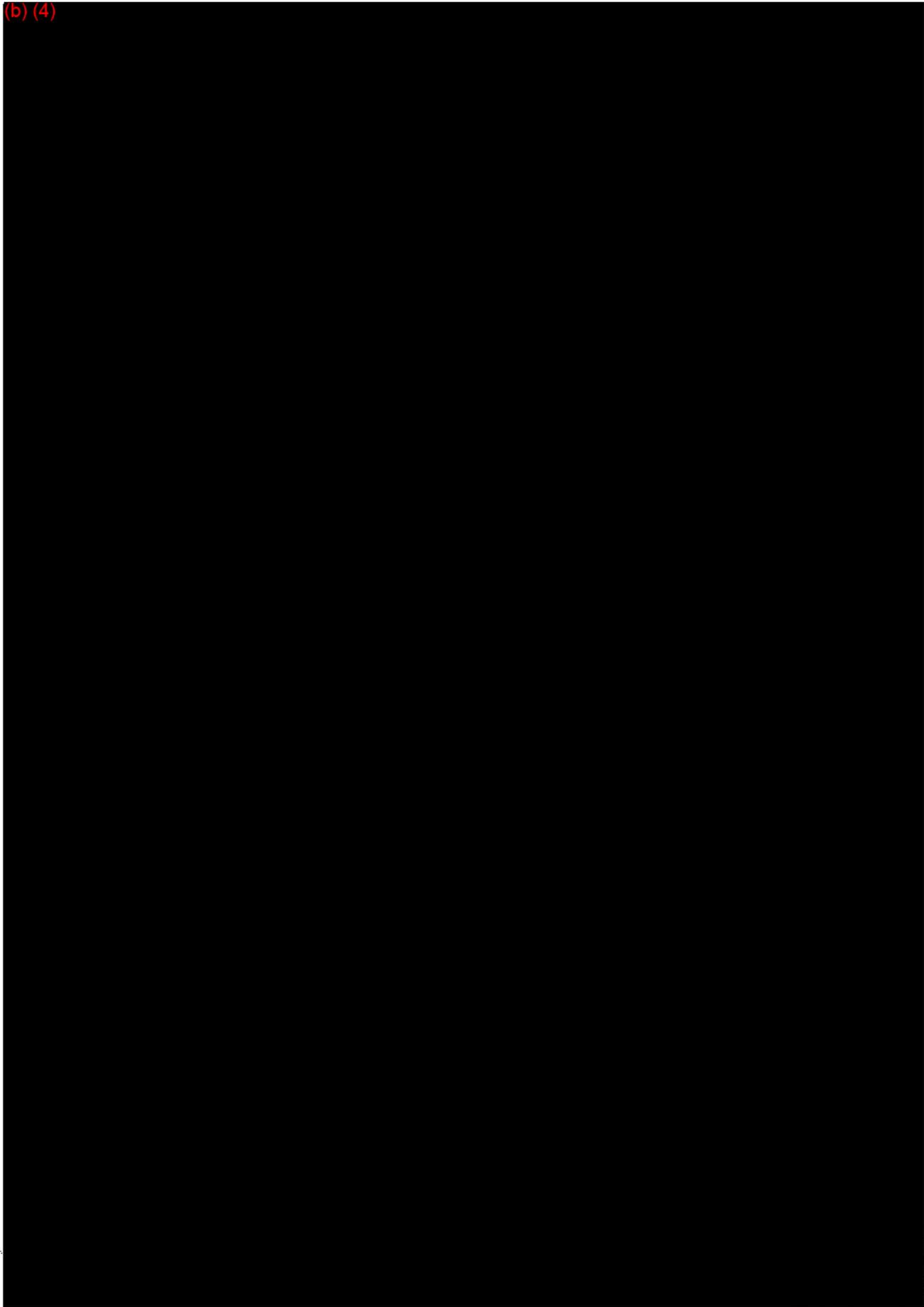
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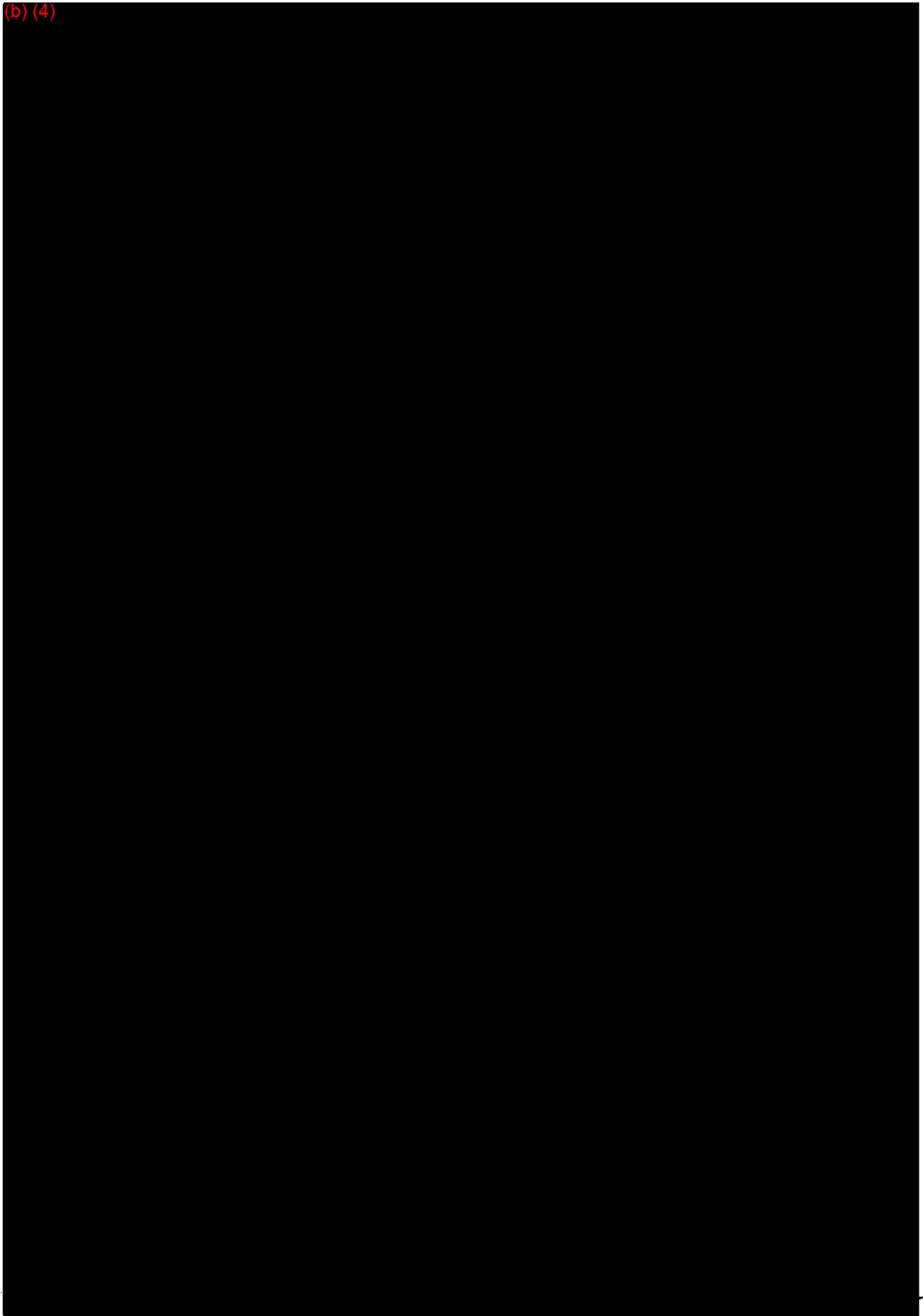
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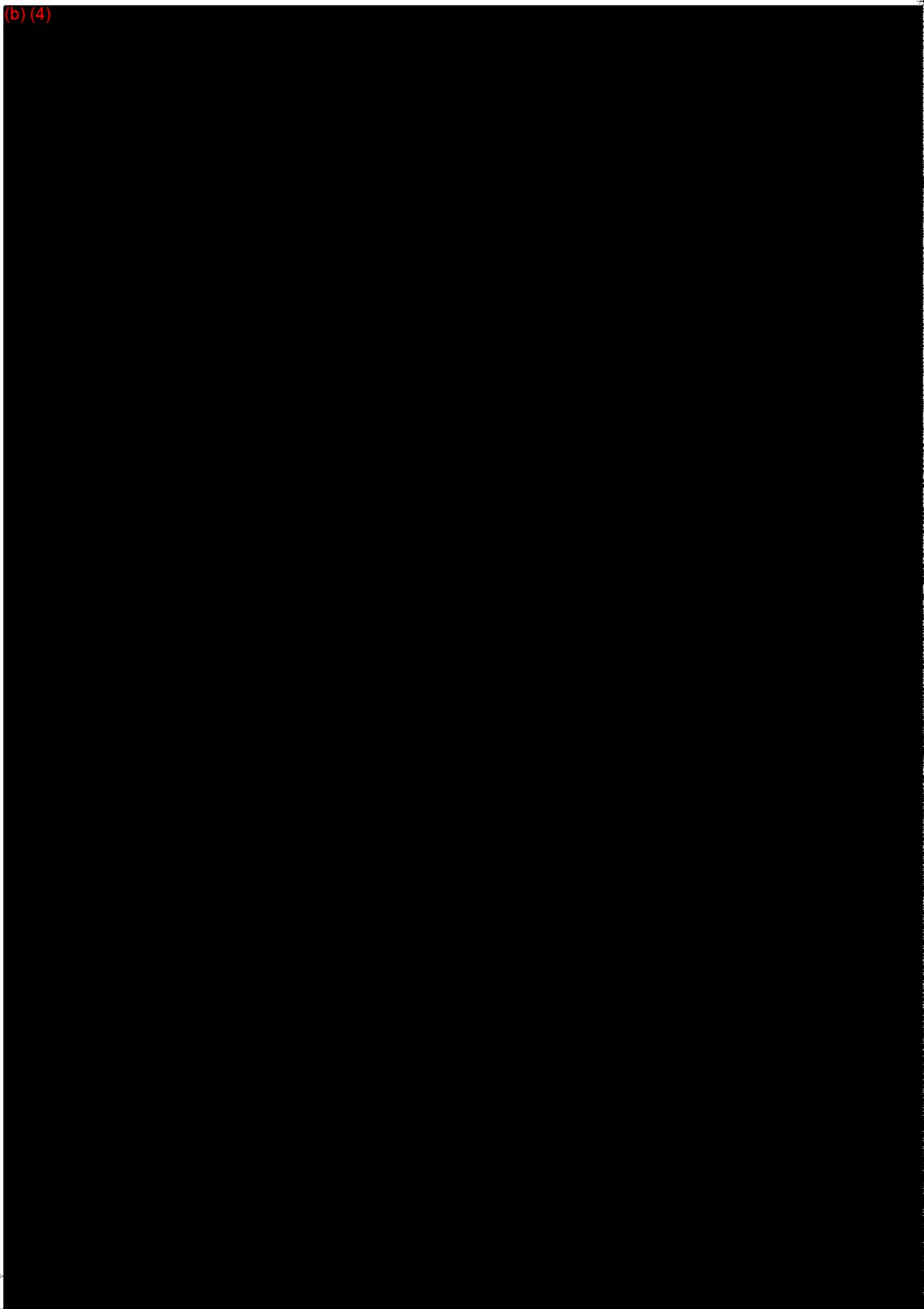
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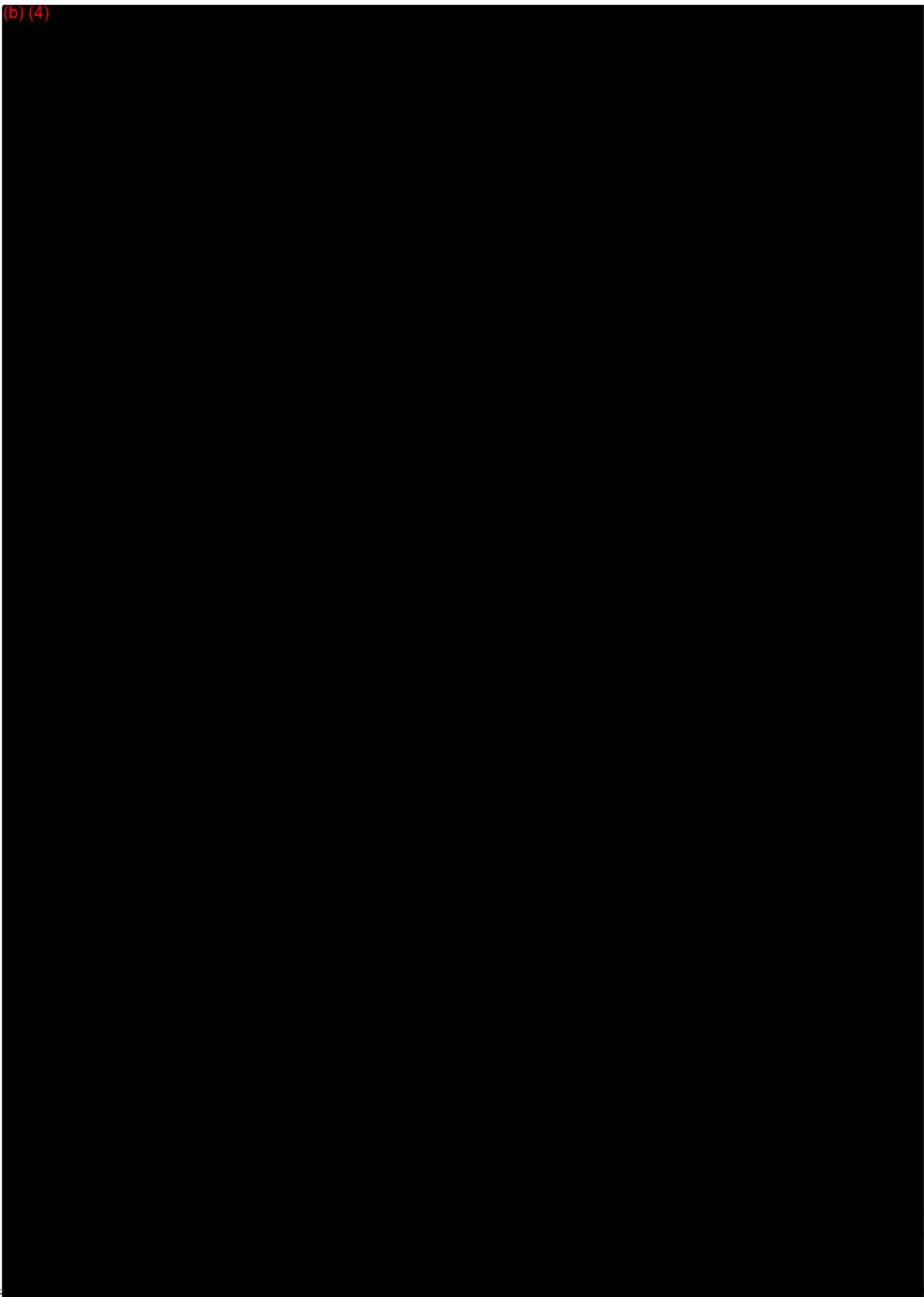


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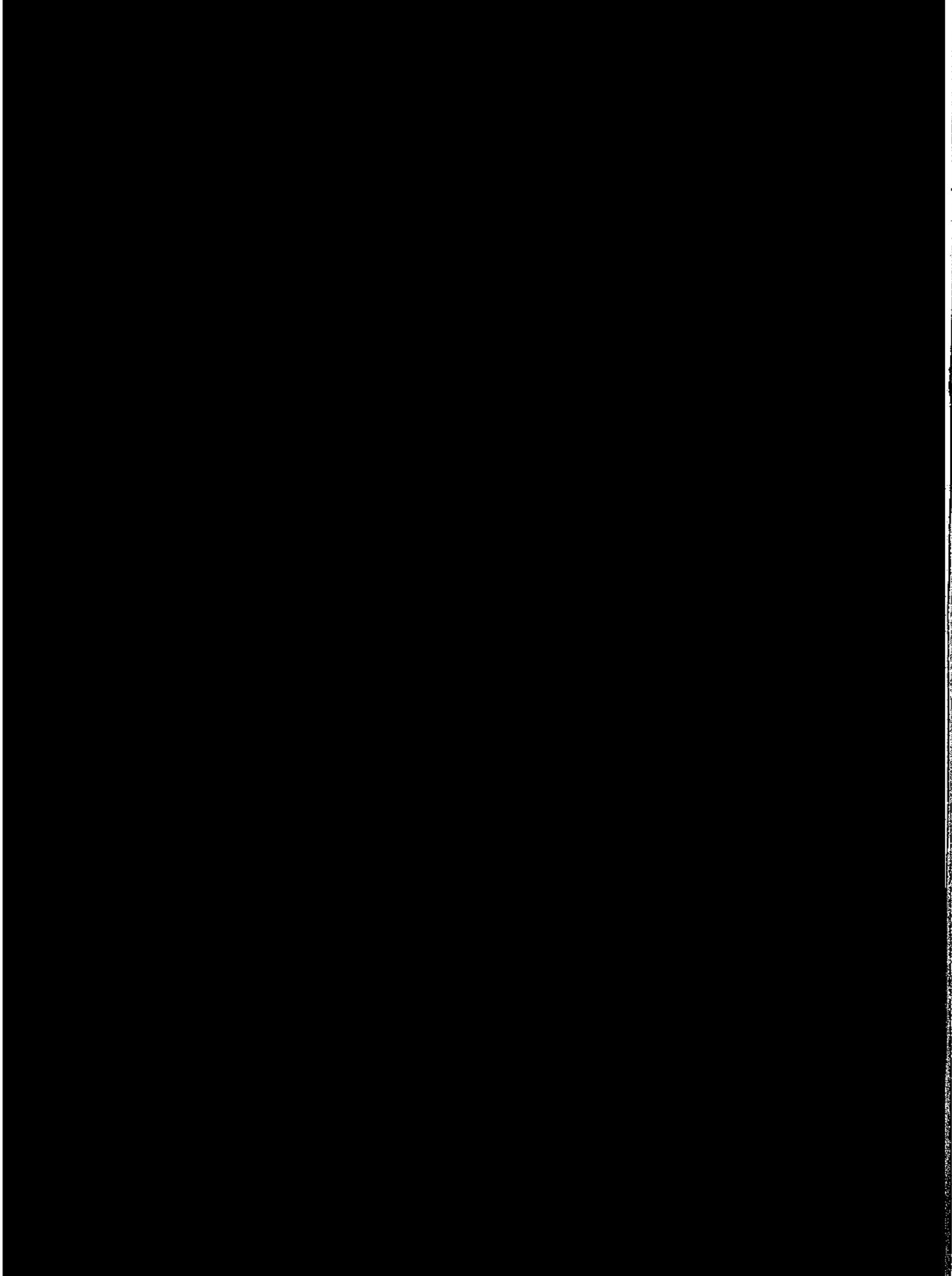


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