

From: [Abbey, Lillian \(NIH/NIAID\) \[E\]](#)
To: [Stemmy, Erik \(NIH/NIAID\) \[E\]](#)
Subject: RE: Action requested: Follow-up questions on Wuhan Institute of Virology -- additional subawardees
Date: Tuesday, April 21, 2020 2:00:33 PM

I definitely owe you a beer or something when this is over!!!

From: Stemmy, Erik (NIH/NIAID) [E] (b) (6)
Sent: Tuesday, April 21, 2020 12:33 PM
To: Abbey, Lillian (NIH/NIAID) [E] (b) (6)
Cc: NIAID BUGS <BUGS@niaid.nih.gov>
Subject: RE: Action requested: Follow-up questions on Wuhan Institute of Virology -- additional subawardees

Thanks! The personnel at East China Normal University coordinate the field sampling from the sites in China.

Erik

From: Abbey, Lillian (NIH/NIAID) [E] (b) (6)
Sent: Tuesday, April 21, 2020 11:50 AM
To: Stemmy, Erik (NIH/NIAID) [E] (b) (6)
Cc: NIAID BUGS <BUGS@niaid.nih.gov>
Subject: FW: Action requested: Follow-up questions on Wuhan Institute of Virology -- additional subawardees

Erik – here’s what I forwarded, below. Thanks for pulling this together so quickly and giving me a call to discuss. I didn’t send the pdf since we are focused on current grant but will hold on to that in case it’s needed.

Did want you to see what Matthew F. just shared, see directly below. (b) (5)
Assume these are personnel who can assist on any aspect of the overall grant but please let us know if there’s anything further DMID should note in response to what Matthew has shared.
Thank you!
Lillian

From: Fenton, Matthew (NIH/NIAID) [E] (b) (6)
Sent: Tuesday, April 21, 2020 11:37 AM
To: Abbey, Lillian (NIH/NIAID) [E] (b) (6); Crawford, Chase (NIH/NIAID) [E] (b) (6)
Cc: NIAID BUGS <BUGS@niaid.nih.gov>; NIAID DEA DART (b) (6); NIAID OCGR Leg <NIAIDOCGRLeg@mail.nih.gov>
Subject: RE: Action requested: Follow-up questions on Wuhan Institute of Virology -- additional subawardees

Lillian et al. – the current grant (year 6) also awards some consultant funds to East China Normal University.

Matthew

Type 2, revised NOA (the first NOA forgot to include funds for the 2 sites below)

Currently in year 6 (budget period ends 6/30/2020)

Funded Chinese research sites:

Institute of Pathogen Biology, Beijing	\$75,600 (1 year)
Wuhan Institute of Virology, Wuhan	\$76,301 (1 year)

Chinese collaborators also located at:

East China Normal University, Shanghai	\$49,750 (1 year consultant costs)
--	------------------------------------

From: Abbey, Lillian (NIH/NIAID) [E] (b) (6)

Sent: Tuesday, April 21, 2020 11:18 AM

To: Crawford, Chase (NIH/NIAID) [E] (b) (6)

Cc: NIAID BUGS <BUGS@niaid.nih.gov>; NIAID DEA DART <dart@mail.nih.gov>; NIAID OCGR Leg <NIAIDOCGRLeg@mail.nih.gov>

Subject: FW: Action requested: Follow-up questions on Wuhan Institute of Virology -- additional subawardees

Chase – Erik notes that the vast majority of the sites on Mark’s list were part of the prior award and are no longer active (grant was renewed last May). The current award just lists the China sites and Singapore. Therefore, we’ve provided information on what’s active in the 2019 renewal below.

Also, Erik confirmed that the change in funding level to the subaward under the renewal is just a normal fluctuation; there were minor tweaks made to the focus of the grant under the renewal, and therefore changes to subawards as well. It’s not one continuous project.

Thanks,
Lillian

List of all subawardees for R01AI110964:

1. Wuhan Institute of Virology, CHINA (Active) – This site is the main virology lab for the project. They received field samples from sites in China and used sequencing to identify the presence of animal coronaviruses. They also characterized any isolated viruses to determine host receptor binding and other in vitro and in vivo characterization.
2. Institute of Pathogen Biology, CHINA (Active) – This site manages the human subject work to understand study human exposure to animal coronaviruses, including the sampling, serology, and questionnaires administered after acute illness.
3. Duke-NUS, SINGAPORE (Active) - The collaborator at Duke-NUS will act as a consultant on the project, and provide her expertise on serological testing, virus characterization, and PCR detection of viruses. Work at this site will not involve any processing of any samples.

The sites below were part of the prior award, and all had the same role. Samples were collected from animals from each of these sites (urban centers, rural areas, and live animal markets), and were sent to WIV to and analyzed to determine what coronaviruses are present and what receptors the viruses use to infect cells. The individual sites listed below managed sample collection within each country.

4. San Pya Clinic, BURMA
5. Institut Pasteur du Cambodge, CAMBODIA
6. Primate Research Center at Bogor Agricultural University, INDONESIA
7. Conservation Medicine, Ltd, MALAYSIA
8. King Chulalongkorn Memorial Hospital, THAILAND
9. Hanoi Agricultural University, VIETNAM
10. National Animal Health Laboratory, LAOS – Per email from PI dated 9/27/2018, they were unable to begin work at this site due to difficulties with the local government.

From: Helfman, Mark (NIH/NIAID) [E] (b) (6)
Sent: Monday, April 20, 2020 5:13 PM
To: Abbey, Lillian (NIH/NIAID) [E] (b) (6); Crawford, Chase (NIH/NIAID) [E] (b) (6)
Cc: Harper, Jill (NIH/NIAID) [E] (b) (6); Billet, Courtney (NIH/NIAID) [E] (b) (6); Stover, Kathy (NIH/NIAID) [E] (b) (6); NIAID OCGR Leg <NIAIDOCGRLeg@mail.nih.gov>; NIAID DEA DART <dart@mail.nih.gov>; NIAID BUGS <BUGS@niaid.nih.gov>
Subject: RE: Action requested: Follow-up questions on Wuhan Institute of Virology -- additional subawardees

Hello, Chase and Lillian. Here's the information from DEA.

List of all subawardees for R01AI110964:

1. Wuhan Institute of Virology, CHINA
2. Institute of Pathogen Biology, CHINA
3. San Pya Clinic, BURMA
4. Institut Pasteur du Cambodge, CAMBODIA
5. Primate Research Center at Bogor Agricultural University, INDONESIA
6. Conservation Medicine, Ltd, MALAYSIA
7. King Chulalongkorn Memorial Hospital, THAILAND
8. Hanoi Agricultural University, VIETNAM
9. National Animal Health Laboratory, LAOS

East China Normal University is listed as consultant, not subawardee – DMID/OCGR, do you want to include it?

Regarding the subaward amount for Wuhan Institute of Virology in 2019, we awarded the amount requested in the renewal application. We defer to DMID for further details and the descriptions of the activities supported.

Please contact me directly if you'd like to discuss further.

--

Mark Helfman

Technical Writer and Editor, Division of Extramural Activities

National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH)

Phone: (b) (6) | Email: (b) (6) | Office: 4G29

From: Helfman, Mark (NIH/NIAID) [E] (b) (6)

Sent: Friday, April 17, 2020 4:59 PM

To: Abbey, Lillian (NIH/NIAID) [E] (b) (6); Crawford, Chase (NIH/NIAID) [E]

(b) (6); NIAID DEA DART <dart@mail.nih.gov>; NIAID BUGS

<BUGS@niaid.nih.gov>

Cc: Harper, Jill (NIH/NIAID) [E] (b) (6); Billet, Courtney (NIH/NIAID) [E]

(b) (6); Stover, Kathy (NIH/NIAID) [E] (b) (6); NIAID OCGR Leg

<NIAIDOCGRLeg@mail.nih.gov>

Subject: RE: Action requested: Follow-up questions on Wuhan Institute of Virology -- additional subawardees

Yes, Lillian, we will get the information requested in red. Thank you for taking care of #3! Have a good weekend.

--

Mark Helfman

Technical Writer and Editor, Division of Extramural Activities

National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH)

Phone: (b) (6) | Email: (b) (6) | Office: 4G29

From: Abbey, Lillian (NIH/NIAID) [E] (b) (6)
Sent: Friday, April 17, 2020 4:49 PM
To: Crawford, Chase (NIH/NIAID) [E] (b) (6); NIAID DEA DART <dart@mail.nih.gov>; NIAID BUGS <BUGS@niaid.nih.gov>
Cc: Harper, Jill (NIH/NIAID) [E] (b) (6); Billet, Courtney (NIH/NIAID) [E] (b) (6); Stover, Kathy (NIH/NIAID) [E] (b) (6); NIAID OCGR Leg <NIAIDOCGRLeg@mail.nih.gov>
Subject: RE: Action requested: Follow-up questions on Wuhan Institute of Virology -- additional subawardees

Chase, with regard to Q #3, the PO Erik Stemmy noted that 2019 should have been the first year of the grant renewal. So the budget would have changed to reflect the work proposed in the renewal application (eRA is down this weekend so he can't get more specific re: details at this time).

I assume DEA DART will respond to the Q in red but let us know if Bugs can help.

Sincerely,
Lillian

From: Crawford, Chase (NIH/NIAID) [E] (b) (6)
Sent: Friday, April 17, 2020 4:21 PM
To: NIAID DEA DART <dart@mail.nih.gov>; NIAID BUGS <BUGS@niaid.nih.gov>
Cc: Harper, Jill (NIH/NIAID) [E] (b) (6); Billet, Courtney (NIH/NIAID) [E] (b) (6); Stover, Kathy (NIH/NIAID) [E] (b) (6); NIAID OCGR Leg <NIAIDOCGRLeg@mail.nih.gov>
Subject: Action requested: Follow-up questions on Wuhan Institute of Virology -- additional subawardees

Good Afternoon,

We received the below follow-up questions about subawards from the NIAID-supported EcoHealth Alliance project (R01AI110964). As you may recall NIAID recently responded to multiple Congressional requests for information on NIAID support for research activities at the Wuhan Institute of Virology.

(1) who was the original/main project awardee,

EcoHealth Alliance

(2) what entity made the subaward to the WIV, and

EcoHealth Alliance

(3) do we know why the subaward amount for Wuhan Institute of Virology went down in 2019? Just random fluctuation?

[PLACEHOLDER for DMID/DEA response]

(4) who were the other subawardees (i.e., the specific institutes in countries listed by NIH/OD [China, Thailand, Cambodia, Laos, Vietnam, Malaysia, Indonesia, and Myanmar]).

Country	Subawardee	Activities Supported
China	Wuhan Institute of Virology	coronavirus screening and serology of non-human samples, viral pathogenesis, serological testing, host receptor binding, spike (S) protein sequencing, and in vitro and in vivo virus characterization
Cambodia		
Indonesia		
Laos		
Malaysia		
Myanmar		
Thailand		
Vietnam		

ACTION

Please let us know when it will be possible to obtain a list of all subawardees for R01AI110964

(we understand the QVR website is under maintenance).

Thanks,

Chase

Chase Crawford, D.V.M., M.S.

Public Health Analyst

Legislative Affairs and Correspondence Management Branch

Office of Communications and Government Relations

NIAID/NIH/DHHS

From: [Erbelding, Emily \(NIH/NIAID\) \[E\]](#)
To: [Linde, Emily \(NIH/NIAID\) \[E\]](#)
Cc: [Stemmy, Erik \(NIH/NIAID\) \[E\]](#); [Khurana, Dhana \(NIH/NIAID\) \[E\]](#); [Fenton, Matthew \(NIH/NIAID\) \[E\]](#); [Connors, Victoria \(NIH/NIAID\) \[E\]](#)
Subject: Re: request for a call...
Date: Monday, April 20, 2020 3:08:26 PM

Thanks Emily.

Sent from my iPad

On Apr 20, 2020, at 2:31 PM, Linde, Emily (NIH/NIAID) [E]

(b) (6) wrote:

Hi Erik and Emily,

I am looping you in to this request. (b) (5)

(b) (6) We will be providing that shortly.

Thanks,
Emily

From: Black, Jodi (NIH/OD) [E] (b) (6)

Sent: Sunday, April 19, 2020 1:59 PM

To: Linde, Emily (NIH/NIAID) [E] (b) (6)

Cc: Bulls, Michelle G. (NIH/OD) [E] (b) (6); Tarwater, Robert (NIH/OD) [E] (b) (6); Dean, Diane (NIH/OD) [E]

(b) (6); Ta, Kristin (NIH/OD) [E] (b) (6); Black, Jodi (NIH/OD) [E] (b) (6); Fenton, Matthew (NIH/NIAID) [E]

(b) (6)

Subject: FW: request for a call...

Hi Emily, I hope all is well and you are having a nice weekend. I'm following up on the outcome of the subcontract from EcoHealth Alliance to Wuhan Institute of Virology (WIV). Please see attached instructing EcoHealth Alliance to discontinue providing funds to WIV. Happy to discuss

Best,
Jodi

Jodi B. Black, PhD, MMSc
Deputy Director
Office of Extramural Research, NIH

From: Michelle Bulls (b) (6)

Date: Wednesday, April 15, 2020 at 3:49 PM

To: Jodi OER (b) (6)

Cc: Mike Lauer (b) (6), Michelle Bulls (b) (6)

Subject: FW: request for a call...

FYI. Urgent.

[Redacted] (b) (5)

(b) (5) This is for convenience and I have some ideas. Waiting to hear back from Emily and will set up time to talk to Jodi tomorrow.

Thanks,
Michelle

From: Linde, Emily (NIH/NIAID) [E] [Redacted] (b) (6)

Sent: Wednesday, April 15, 2020 12:03 PM

To: Bulls, Michelle G. (NIH/OD) [E] [Redacted] (b) (6); Ta, Kristin (NIH/OD) [E] [Redacted] (b) (6); Tarwater, Robert (NIH/OD) [E] [Redacted] (b) (6); Dean, Diane (NIH/OD) [E] [Redacted] (b) (6)

Subject: request for a call...

Hello,

[Redacted] (b) (5)

[Redacted]

[Redacted], – you may

have seen some articles.

[Redacted] (b) (5)

Many thanks,

Emily

Emily Linde

Director, Grants Management Program

NIAID, NIH, DHHS

Telephone Number: [Redacted] (b) (6)

Email Address: [Redacted] (b) (6)

Disclaimer:

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<EcoHealth Alliance re AI grant 4 19 20[1].pdf>

From: [Abbey, Lillian \(NIH/NIAID\) \[E\]](#)
To: [Erbelding, Emily \(NIH/NIAID\) \[E\]](#); [Cassetti, Cristina \(NIH/NIAID\) \[E\]](#); [Stemmy, Erik \(NIH/NIAID\) \[E\]](#); [Embry, Alan \(NIH/NIAID\) \[E\]](#)
Cc: [NIAID BUGS](#)
Subject: RE: ACTION by 3PM TODAY (4/16): Draft NIAID response to Senate Qs - Wuhan Institute of Virology
Date: Thursday, April 16, 2020 12:44:21 PM
Attachments: [image001.png](#)

Yes, this is the leg item, not public. Public statement was what Christina M shared with you earlier and that references the Reporter link.

From: Erbelding, Emily (NIH/NIAID) [E] (b) (6)
Sent: Thursday, April 16, 2020 12:38 PM
To: Abbey, Lillian (NIH/NIAID) [E] (b) (6); Cassetti, Cristina (NIH/NIAID) [E] (b) (6); Stemmy, Erik (NIH/NIAID) [E] (b) (6); Embry, Alan (NIH/NIAID) [E] (b) (6)
Cc: NIAID BUGS <BUGS@niaid.nih.gov>
Subject: RE: ACTION by 3PM TODAY (4/16): Draft NIAID response to Senate Qs - Wuhan Institute of Virology

No suggested edits from me.

2 clarifying questions from me (yes/no is ok):

1. this is in response to congressional inquiry, not to be made public?
 2. The prior statement that pointed to the Reporter link will be the public statement?
-

From: Abbey, Lillian (NIH/NIAID) [E] (b) (6)
Sent: Thursday, April 16, 2020 12:17 PM
To: Erbelding, Emily (NIH/NIAID) [E] (b) (6); Cassetti, Cristina (NIH/NIAID) [E] (b) (6); Stemmy, Erik (NIH/NIAID) [E] (b) (6); Embry, Alan (NIH/NIAID) [E] (b) (6)
Cc: NIAID BUGS <BUGS@niaid.nih.gov>
Subject: FW: ACTION by 3PM TODAY (4/16): Draft NIAID response to Senate Qs - Wuhan Institute of Virology

Emily, Cristina, Erik and Alan,

The legislative group has taken the materials we sent and info received from GM to develop the attached response for our review by 3PM today. Please let us know if you have any suggested edits or comments.

Thank you,

Lillian

From: Crawford, Chase (NIH/NIAID) [E] (b) (6)
Sent: Thursday, April 16, 2020 12:06 PM
To: NIAID BUGS <BUGS@niaid.nih.gov>; NIAID DEA DART <dart@mail.nih.gov>
Cc: Harper, Jill (NIH/NIAID) [E] (b) (6); Johnson, Martin S. (NIH/NIAID) [E] (b) (6); Billet, Courtney (NIH/NIAID) [E] (b) (6); Stover, Kathy (NIH/NIAID) [E] (b) (6); Routh, Jennifer (NIH/NIAID) [E] (b) (6); NIAID OCGR Leg <NIAIDOCGRLeg@mail.nih.gov>

Subject: ACTION by 3PM TODAY (4/16): Draft NIAID response to Senate Qs - Wuhan Institute of Virology

Good Afternoon,

Using information provided by DMID, OCGR-Leg has drafted the **attached proposed response** to recent Congressional requests for information on NIAID support for research activities at the **Wuhan Institute of Virology** ([additional background on Congressional interest can be found in the email chain below the signature line](#)). As you may recall the Wuhan Institute of Virology has been supported through subawards from an NIAID-supported EcoHealth Alliance project (R01AI110964). NIAID also has been asked "Would you provide the funding history (year, IC) for the Wuhan Institute of Virology?" We have included a funding table in the draft response using subaward amounts outlined in the NoAs for R01AI110964. Please confirm the subaward amounts.

ACTION

By 3p.m. today (4/16), please review the attached draft NIAID response and provide any edits in track changes.

Please let us know if you have any questions.

Thanks,

Chase

Chase Crawford, D.V.M., M.S.

Public Health Analyst

Legislative Affairs and Correspondence Management Branch

Office of Communications and Government Relations

NIAID/NIH/DHHS

From: Crawford, Chase (NIH/NIAID) [E] [REDACTED] (b) (6)

Sent: Monday, April 13, 2020 5:41 PM

To: NIAID BUGS <BUGS@niaid.nih.gov>

Cc: Auchincloss, Hugh (NIH/NIAID) [E] [REDACTED] (b) (6); Harper, Jill (NIH/NIAID) [E] [REDACTED] (b) (6); NIAID OCGR Leg <NIAIDOCGRLeg@mail.nih.gov>

Subject: Request for information: Senate Qs - Wuhan Institute of Virology

Hi BUGS,

Staff to Senator Marco Rubio (R-FL) has forwarded an email to Building 1 from the White Coat Waste Project (see bottom of email chain). The forwarded message links to recent articles in The Daily Mail and the Washington Examiner on NIH support for previous coronavirus studies involving the Wuhan Institute of Virology. Building 1 has asked if NIAID has any information related to this research that we can share with staff to Senators Rubio and Mike Braun (R-IN).

To help us better understand this congressional request, is there any background information that you can provide on the activities discussed in the articles referenced below?

Thanks,

Chase

[REDACTED] (b) (6)

From: LaMontagne, Karen (NIH/OD) [E] [REDACTED] (b) (6)

Sent: Monday, April 13, 2020 4:23 PM

To: NIAID OCGR Leg <NIAIDOCGRLeg@mail.nih.gov>

Subject: Senate Qs - Wuhan Institute of Virology

Hi, NIAID,

Separately, we have heard from the offices of Senators Rubio and Braun about these linked articles:

[White Coat Waste](#)

[Daily Mail](#)

[Washington Examiner](#)

Both offices have asked if there's any information we can share with them related to this matter.
Thanks in advance for anything you can provide.

Karen

From: Michelle Mitchell [REDACTED] (b) (6)

Date: Monday, April 13, 2020 at 3:42 PM

To: Karen LaMontagne [REDACTED] (b) (6)

Subject: Sen. Rubio question - NIH funding Wuhan virus lab

Hey Karen,

Sen. Rubio's staff, Ansley Rhyne, forwarded the email below that she received regarding NIH funding for the Wuhan Institute of Virology. Her boss, along with Rep. Gaetz are working on a letter to ensure no taxpayer dollars are sent to that Institute.

Ansley requested our input. Would you ask NIAID for any information on this issue that we could be shared with Ansley?

Thank you.

MM

From: Justin Goodman <justin@whitecoatwaste.org>

Sent: Monday, April 13, 2020 2:36 PM

To:

Subject: Laura- NIH funding Wuhan virus lab

I hope you had a nice weekend and are staying safe and healthy. I wanted to make sure you saw that our taxpayer watchdog group just [exposed](#) that **the National Institutes of Health (NIH) has been sending tax dollars to the controversial Wuhan Institute of Virology for years, including for dangerous lab experiments on coronavirus-infected bats captured from caves.** The [Daily Mail](#), [Washington Examiner](#), Drudge and others ran stories about the troubling find over the weekend. We're working with Rep. Matt Gaetz (R-FL) and others on a sign-on letter about this and would love to work with you and Senator Rubio as well to ensure no more tax dollars are shipped to the Wuhan Institute of Virology.

I'd be happy to send over more info if you're interested and answer any questions you may have.

Thanks for looking,

Justin

Justin Goodman, M.A.

Vice President, Advocacy and Public Policy

White Coat Waste Project

*Taxpayers shouldn't be forced to pay \$20 billion+ for **wasteful** government animal experiments.*

PO Box 26029

Washington, DC 20001

Phone: 860.882.2492

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|

From: [Post, Diane \(NIH/NIAID\) \[E\]](#)
To: [RDBViral](#)
Subject: FW: COVID-19 Strategic Plan, Implementation Plan, and Weekly Research Updates - 4.13.20
Date: Tuesday, April 14, 2020 9:33:08 AM
Attachments: [NIAID COVID-19 Strategic Plan Final 10April 2020.docx](#)
[2020.04.13 COVID-19 Implementation Plan.docx](#)
[NIAID COVID-19 Full Weekly Update 4.13.20.docx](#)

Hi Everyone,

Attached are the SARS-CoV-2 strategic plan and implementation plan. Take a look and let me know if you have any comments/edits.

Thanks
Diane

From: Bushar, Nicholas (NIH/NIAID) [E] [REDACTED] (b) (6)
Sent: Monday, April 13, 2020 6:29 PM
To: NIAID OD AM [REDACTED] (b) (6); NIAID Coronavirus Response SWAT 2020 <NIAIDCoronavirusResponseSWAT2020@mail.nih.gov>; NIAID COVID-19 DivDir Sync <NIAIDCOVID-19DivDirSync@mail.nih.gov>
Cc: Bozick, Brooke (NIH/OD) [E] [REDACTED] (b) (6); Shaffer, Meredith (NIH/NIAID) [E] [REDACTED] (b) (6); Barron, Karyl (NIH/NIAID) [E] [REDACTED] (b) (6); Miller, Katherine (NIH/NIAID) [E] [REDACTED] (b) (6); DMID Word Nerds <DMIDWordNerds@niaid.nih.gov>; NIAID OCGR Leg <NIAIDOCGRLeg@mail.nih.gov>; Parker, Marie (NIH/NIAID) [E] [REDACTED] (b) (6)
Subject: COVID-19 Strategic Plan, Implementation Plan, and Weekly Research Updates - 4.13.20

All –

Please find attached:

- **NIAID Strategic Plan for COVID-19 Research**
- **COVID-19 Implementation Plan - 4/13**
 - Please note: the implementation plan is intended to be for **internal use only**.
- **Full COVID-19 Research Updates - 4/13**

Moving forward, we will continue to regularly update the Implementation Plan and full research updates. We plan to send out recurring versions of these documents to this group **every other Monday**. Recurring updates of these and other COVID-19-related items and trackers will also be stored on the COVID-19 sharepoint [here](#).

Many thanks to everyone who contributed to the development and review of all of these COVID-19 planning and tracking documents.

Best,
Nick

Nicholas Bushar, Ph.D.

Chief, Policy, Planning and Reporting Section

Policy, Planning, and Evaluation (PP&E) Branch

Office of Strategic Planning, Initiative Development, and Analysis, NIAID

National Institutes of Health (NIH)

Phone: [REDACTED] (b) (6)



This scanning electron microscope image shows SARS-CoV-2 (yellow), the virus that causes COVID-19, isolated from a patient in the United States, emerging from the surface of cells (pink) cultured in the lab. Credit: NIAID-RML

NIAID STRATEGIC PLAN FOR COVID-19 RESEARCH

April 10, 2020

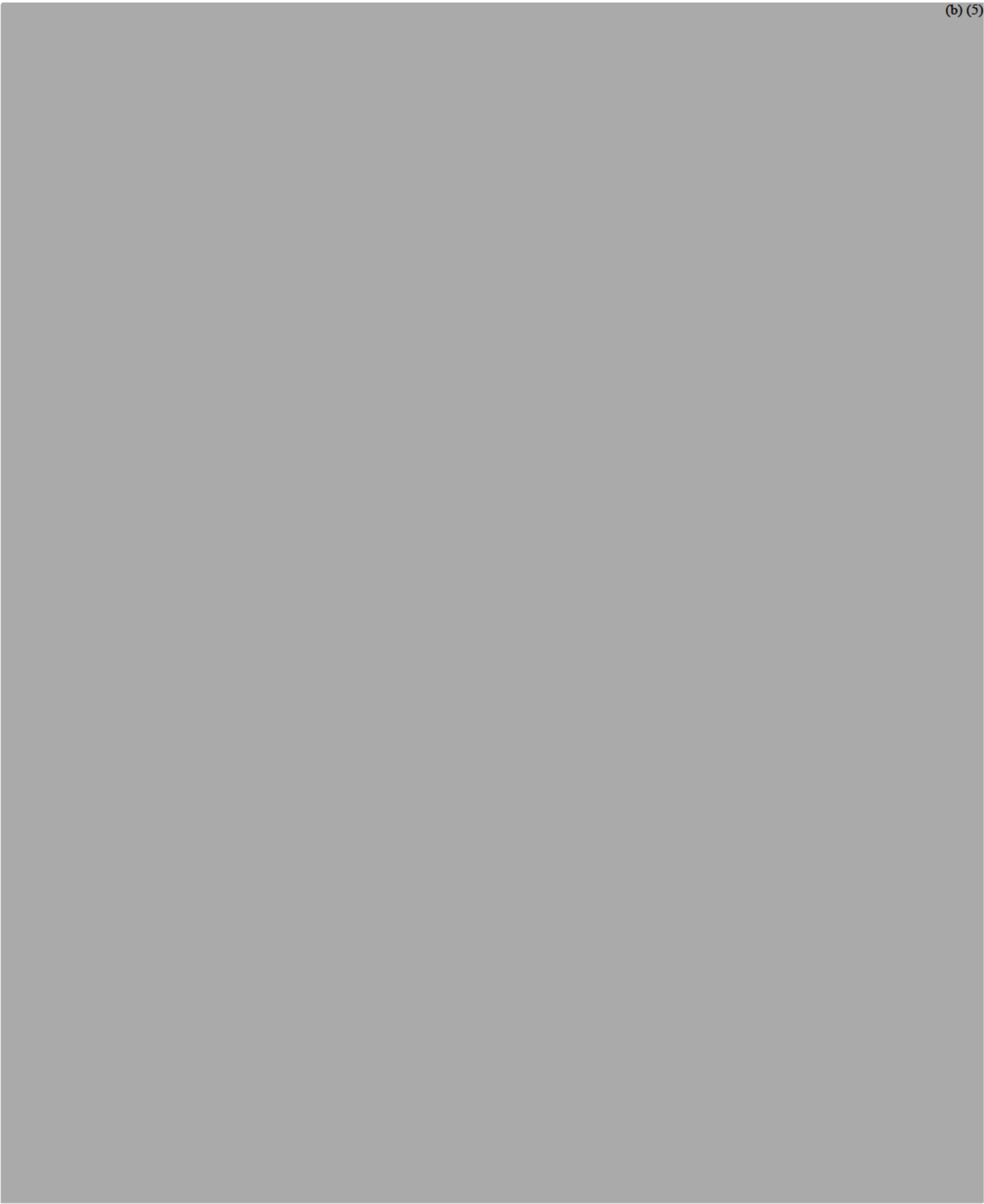




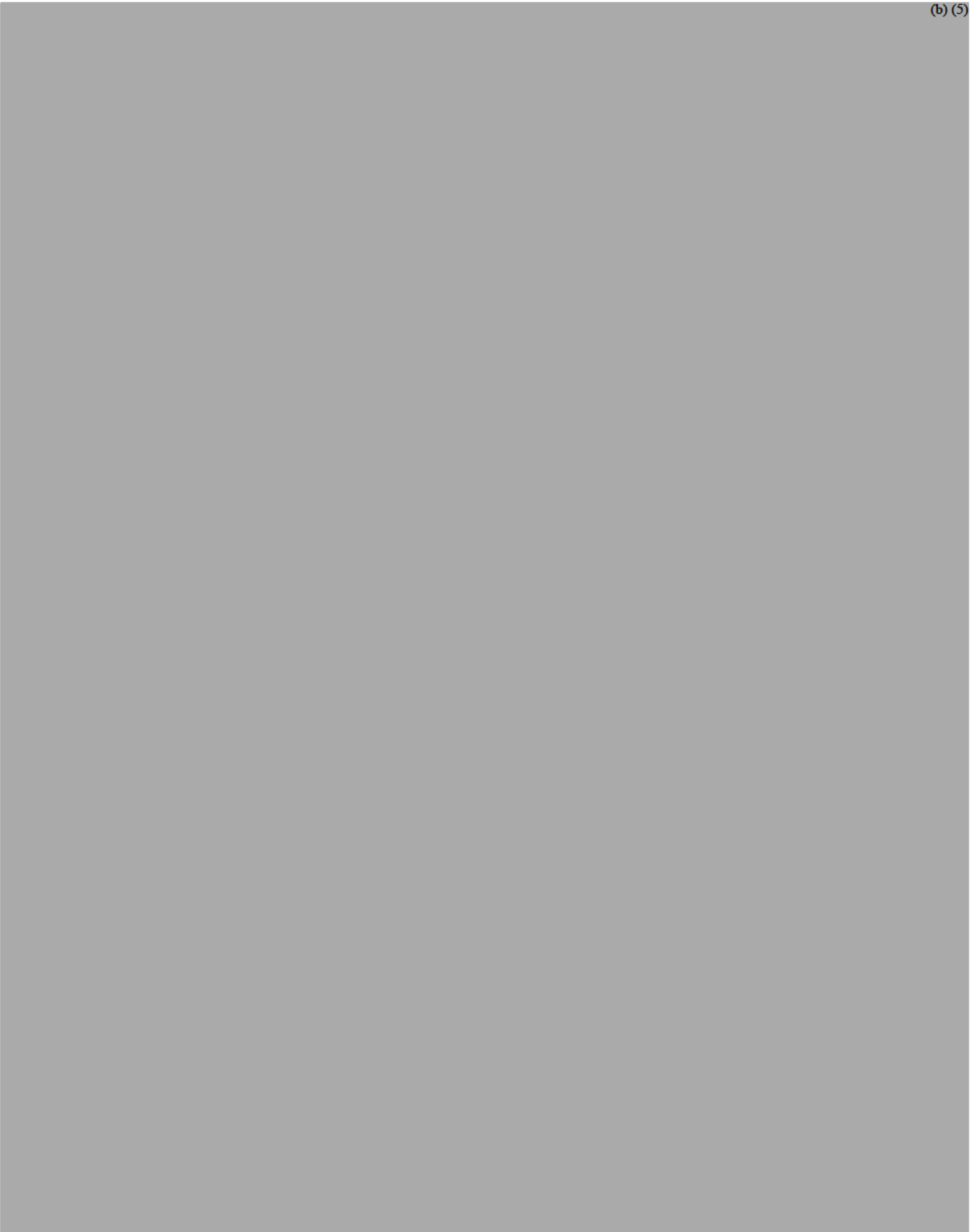


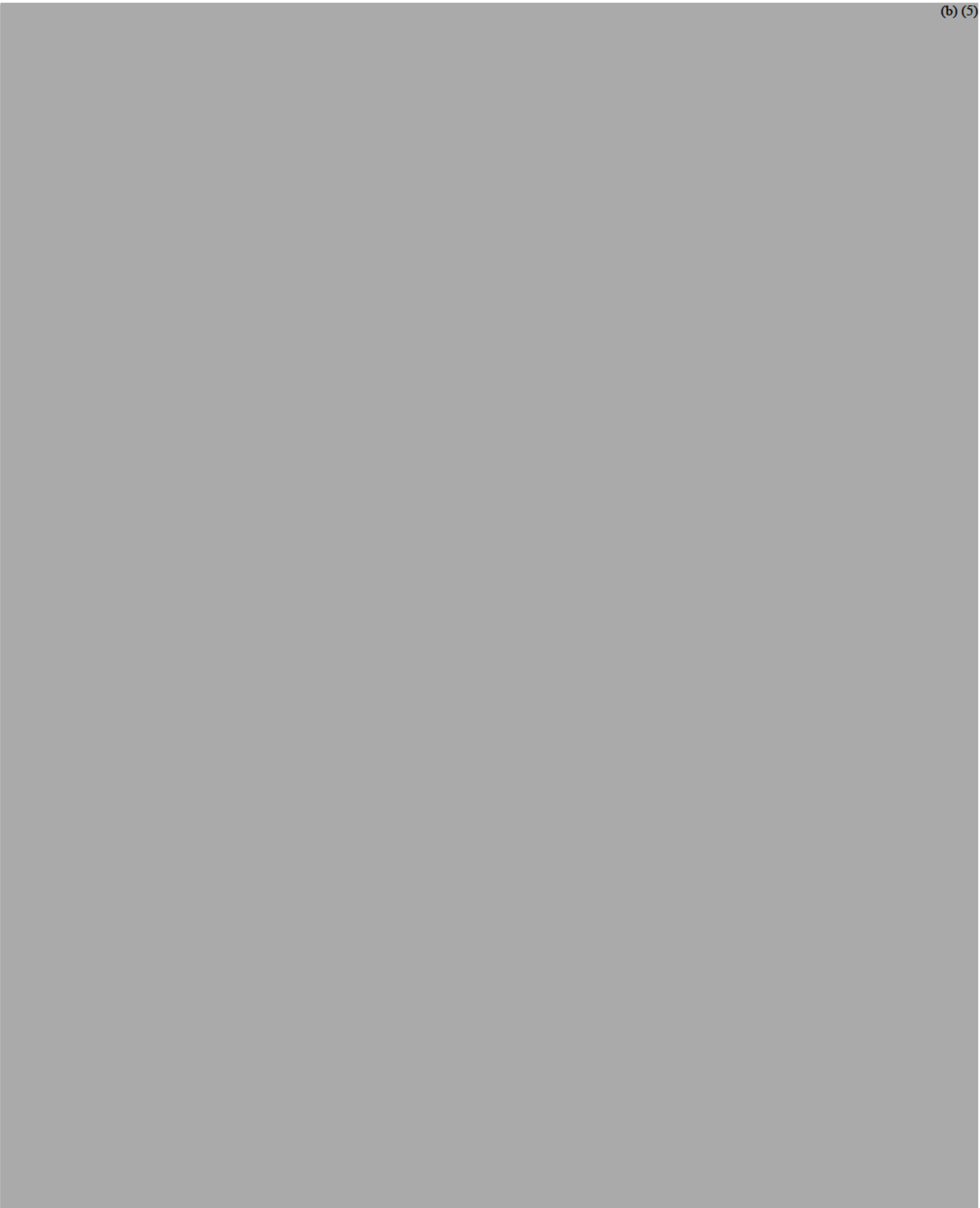


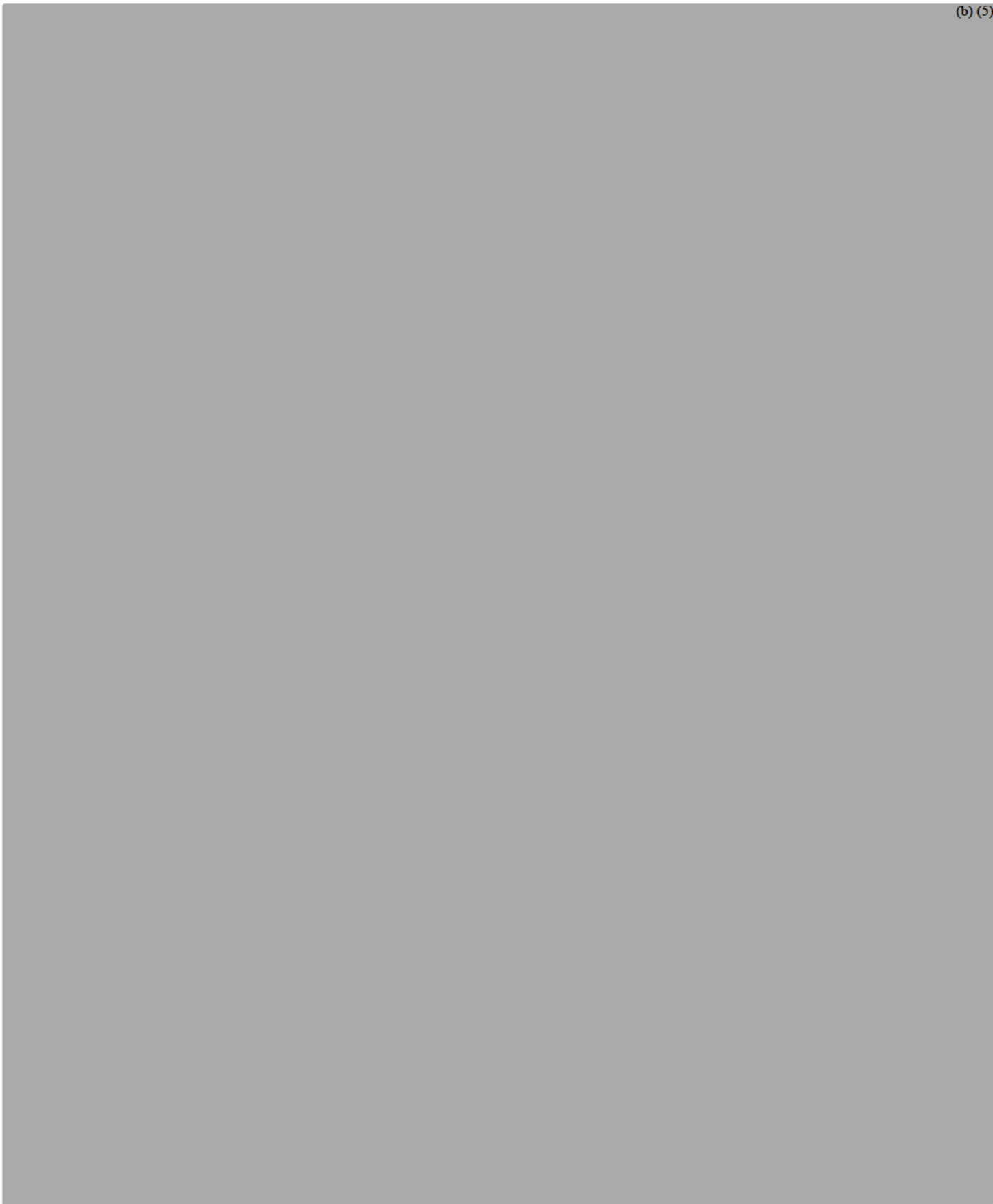




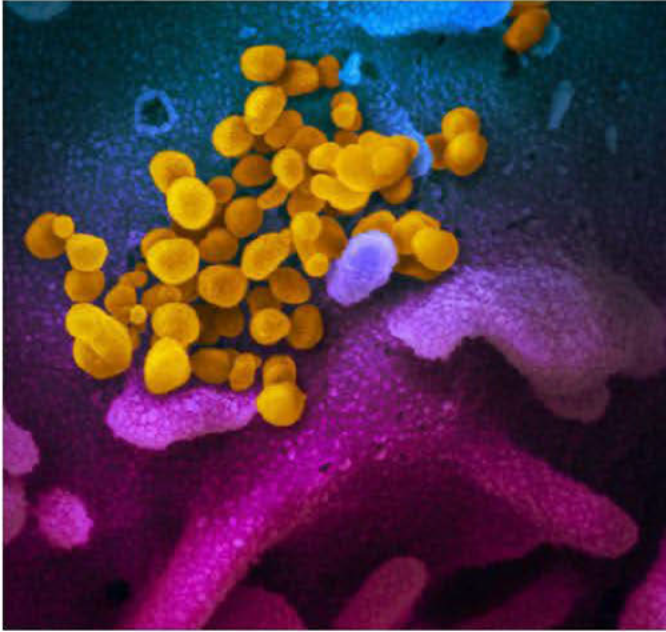












NIAID COVID-19 RESEARCH IMPLEMENTATION PLAN

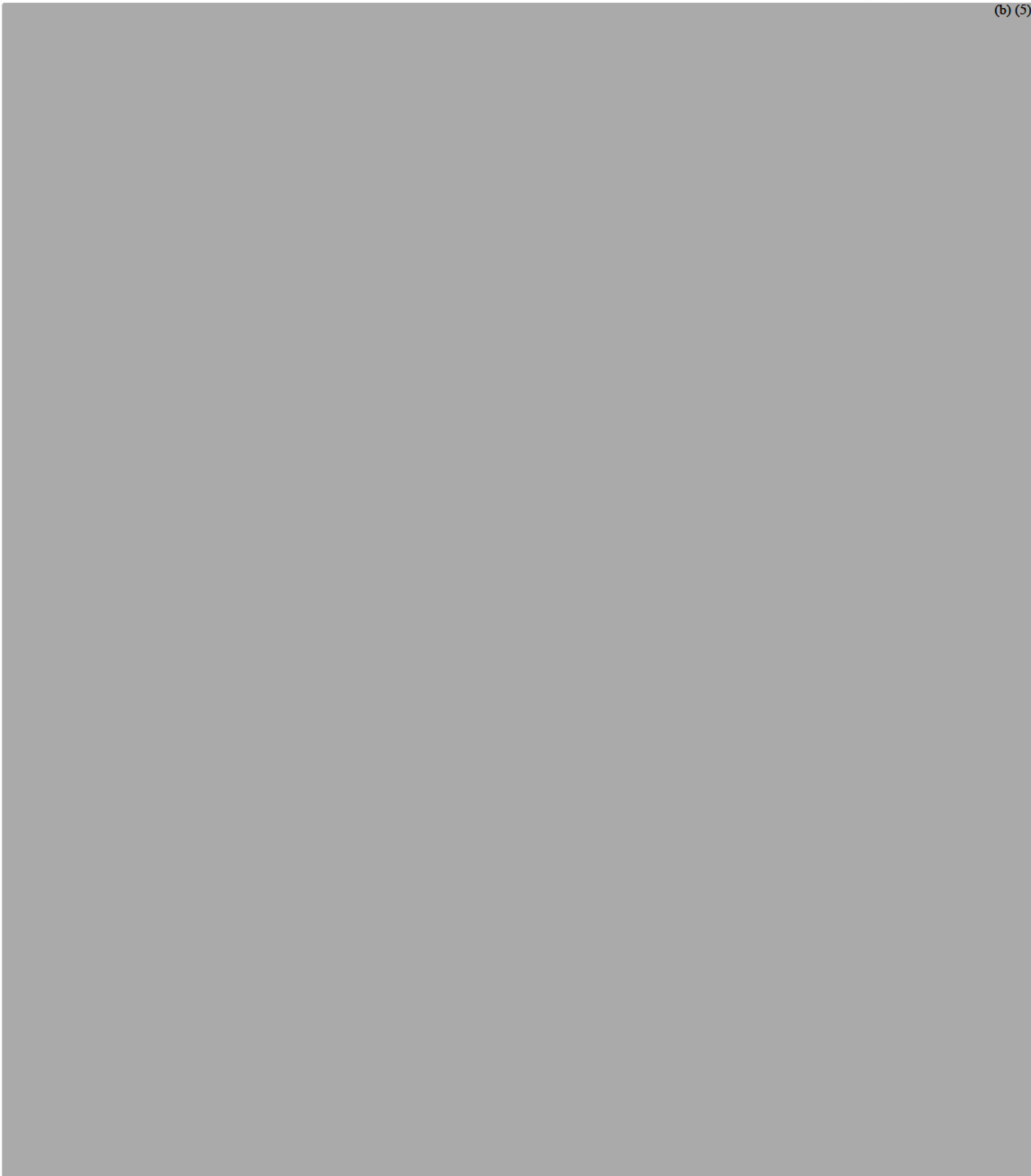
April 13, 2020



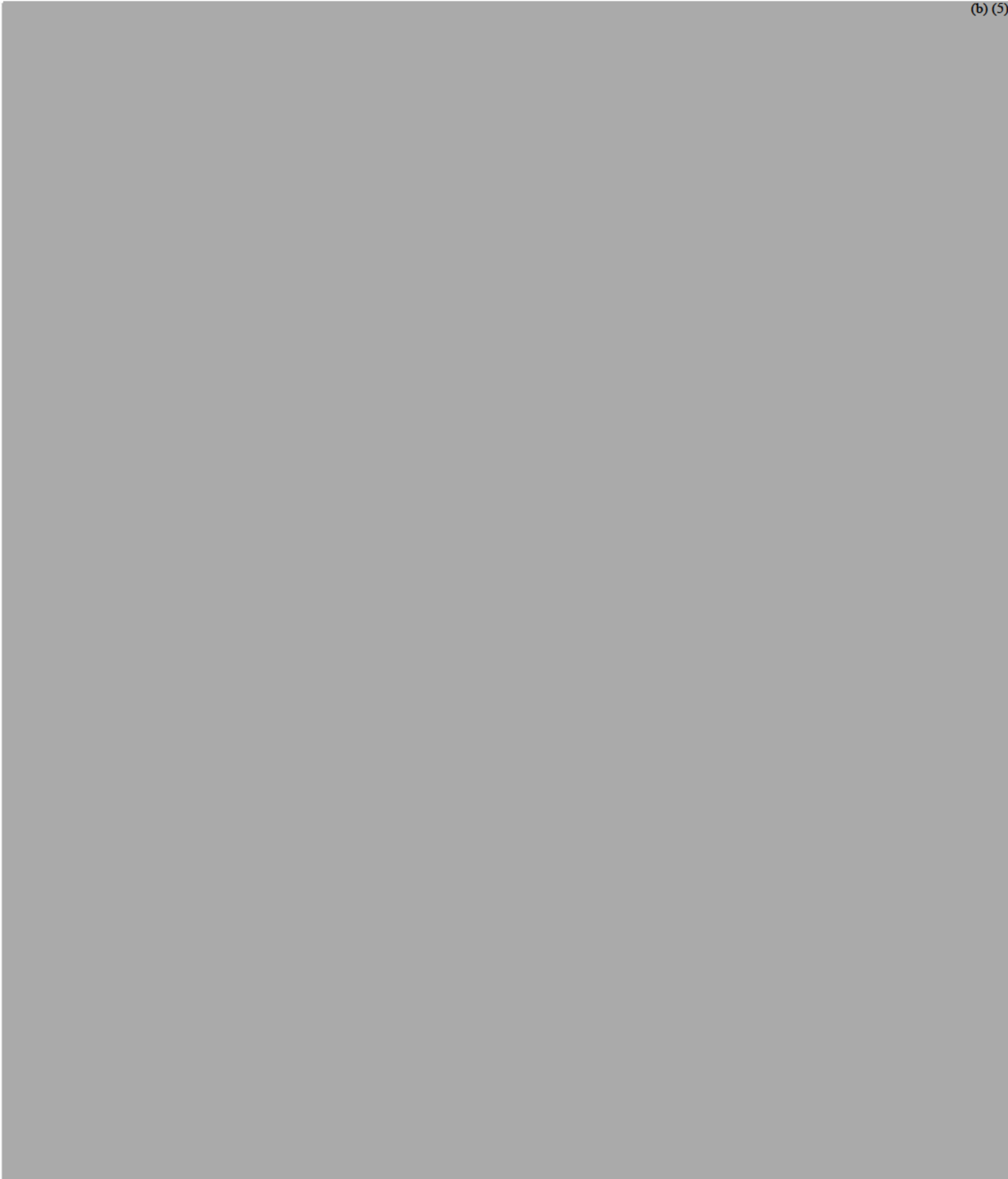
NIH National Institute of
Allergy and
Infectious Diseases

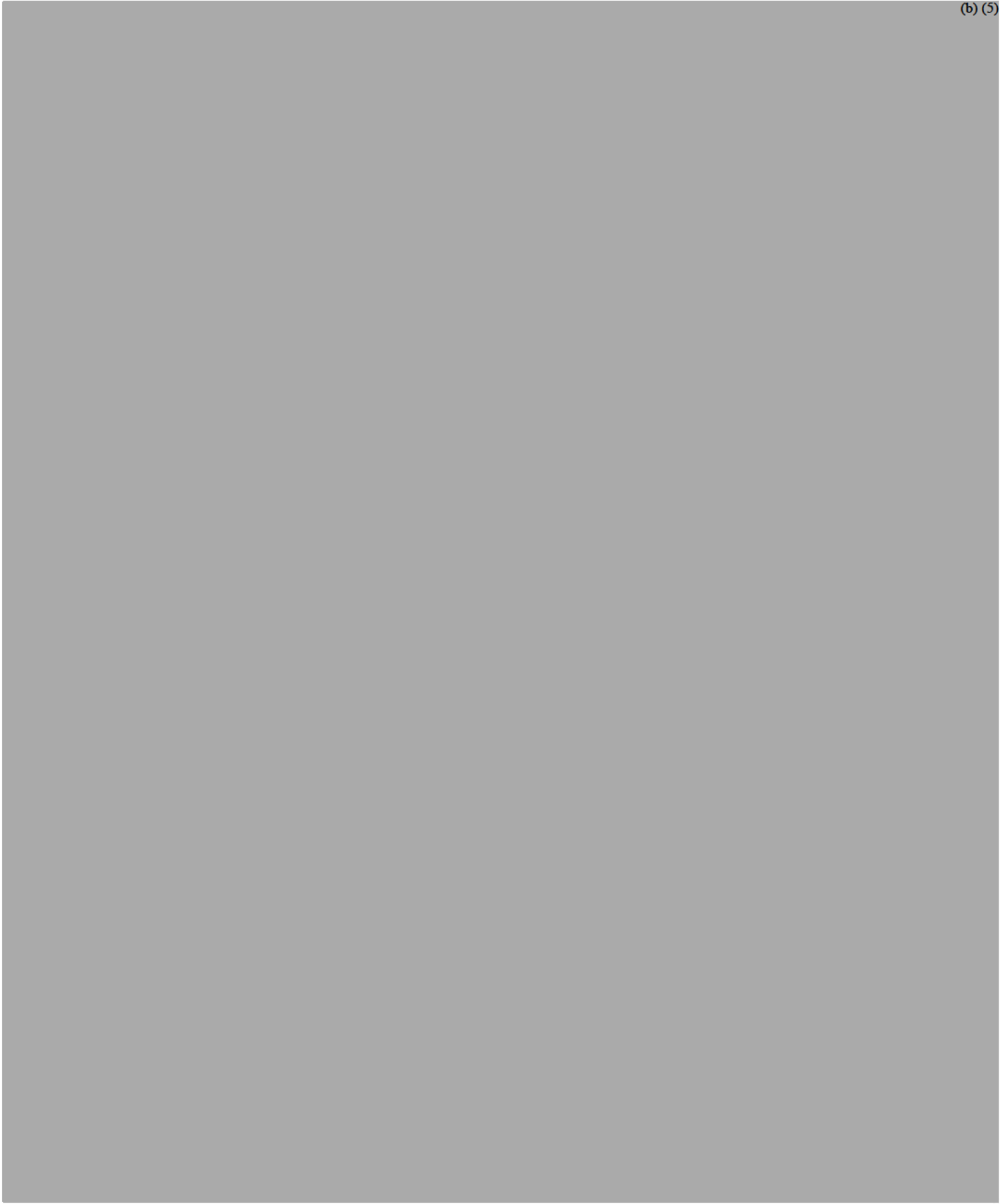
(b) (5)





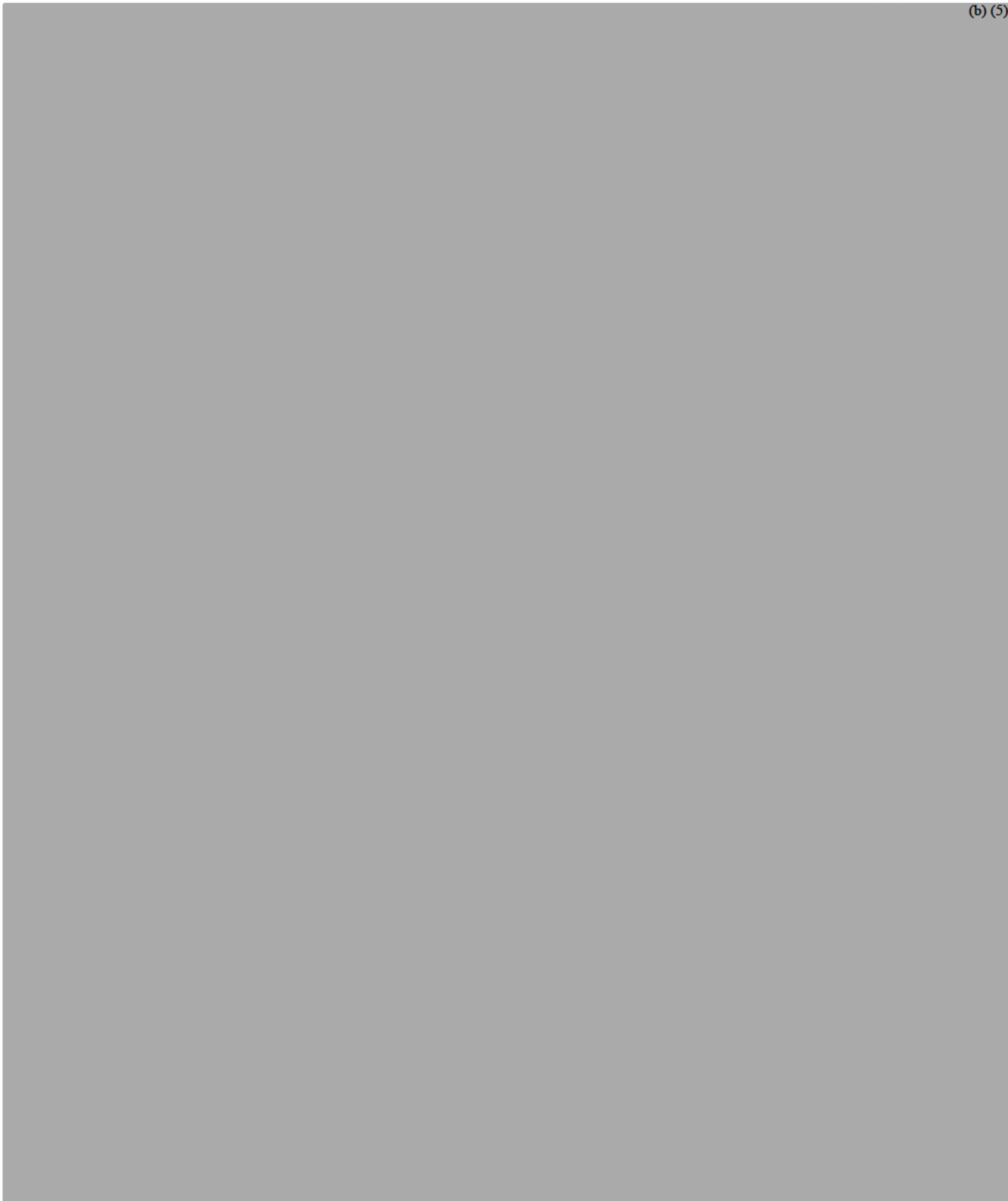
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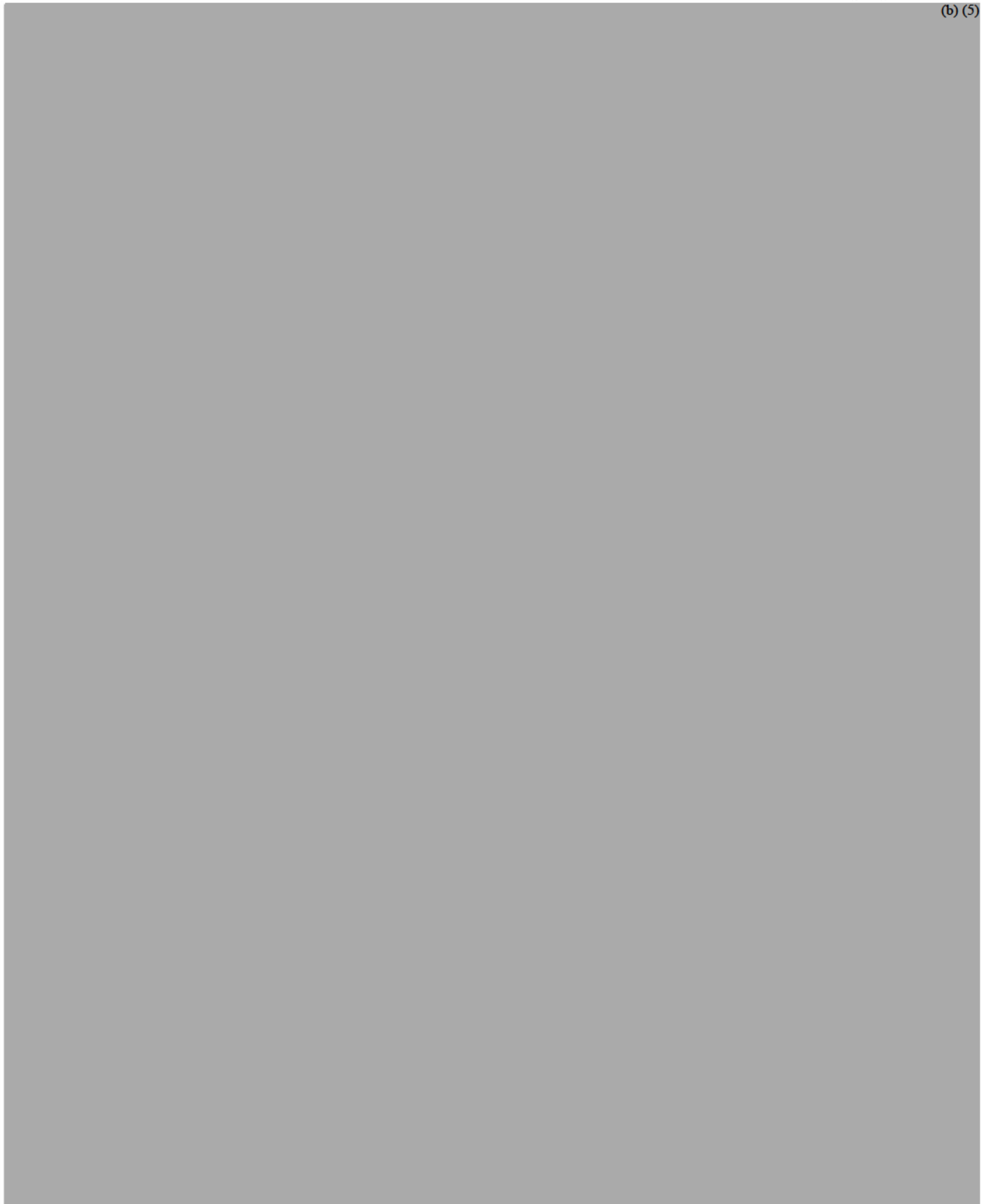




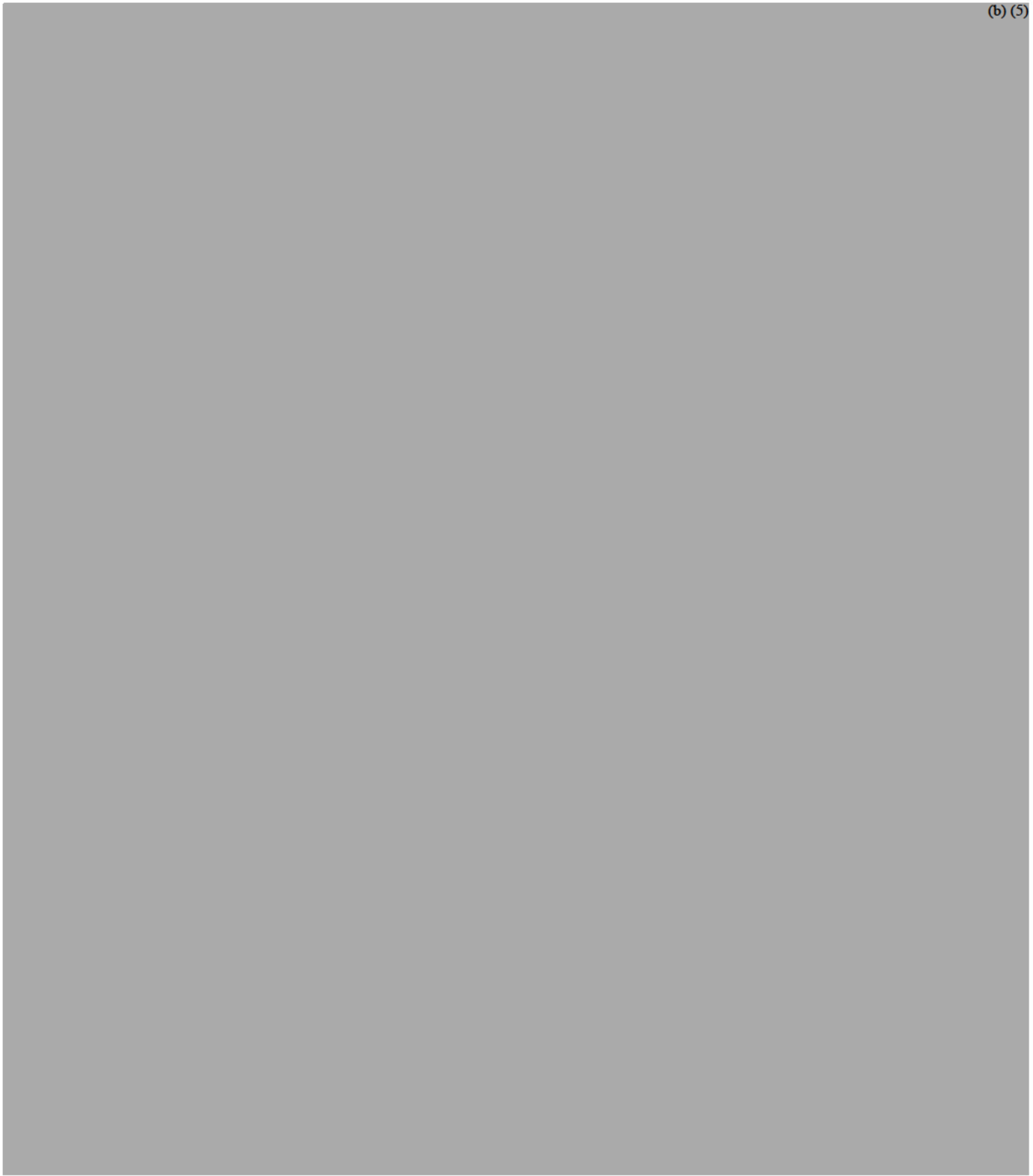
(b) (5)



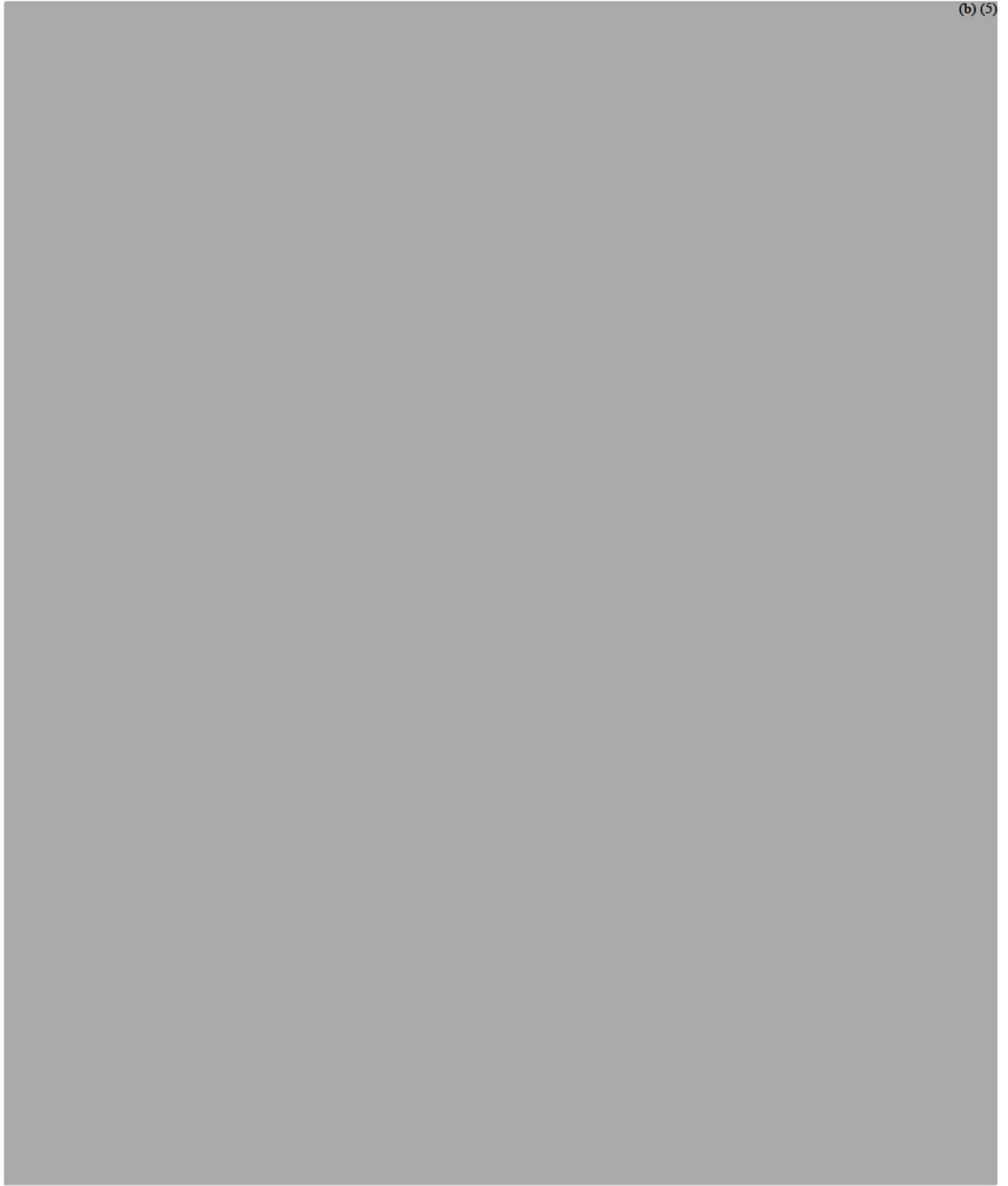




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NIAID SARS-CoV-2 Research Updates



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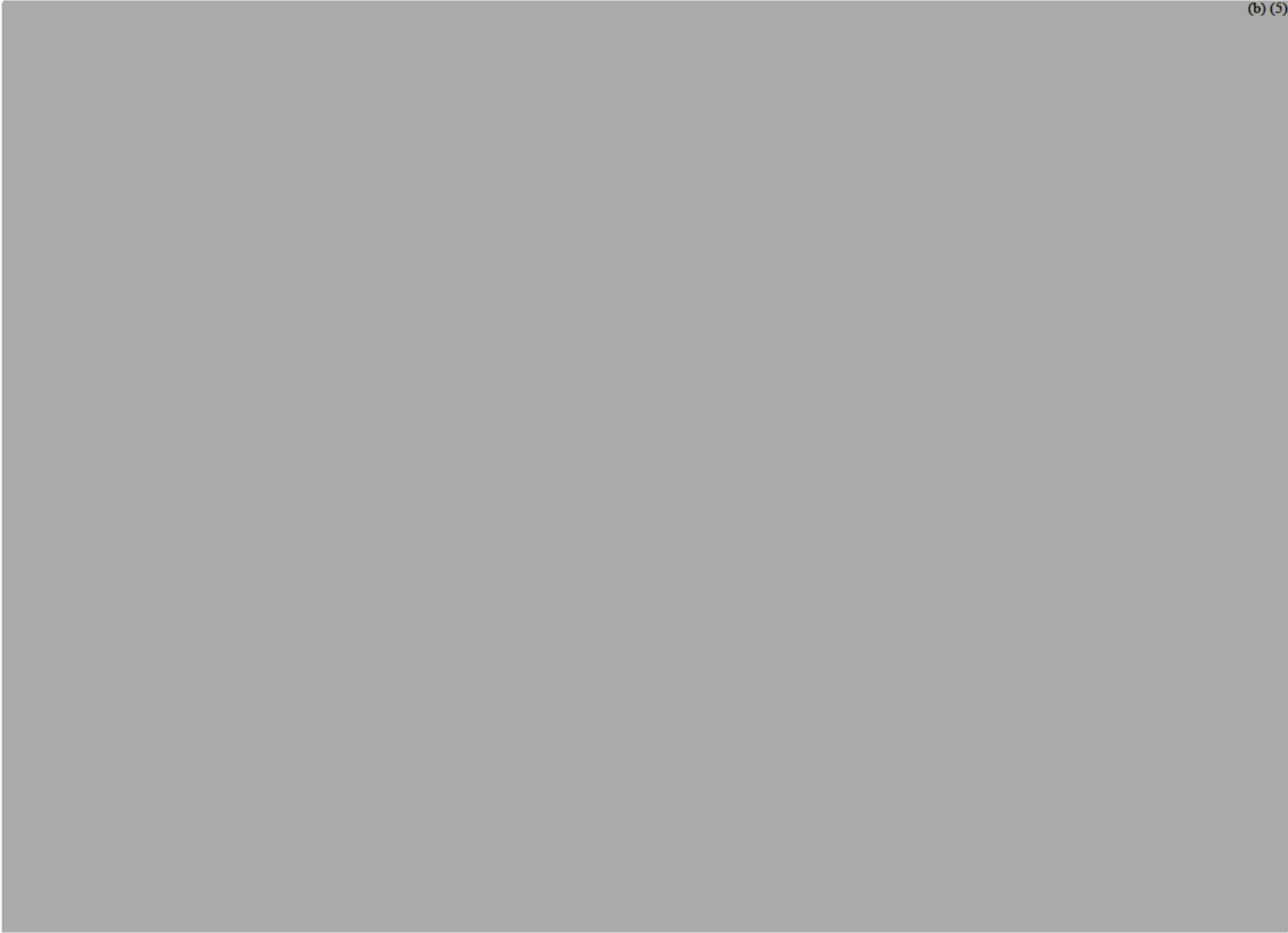














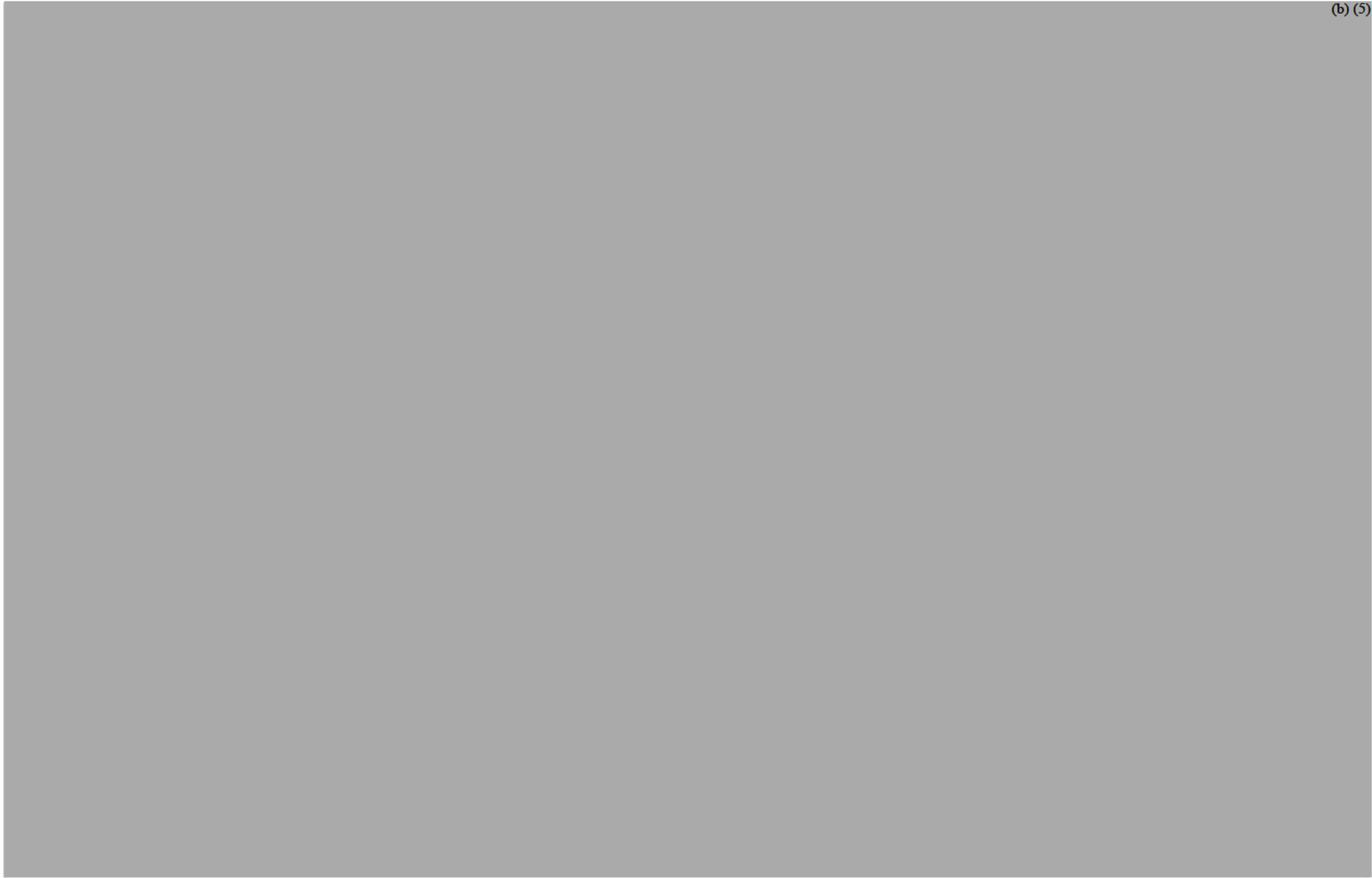








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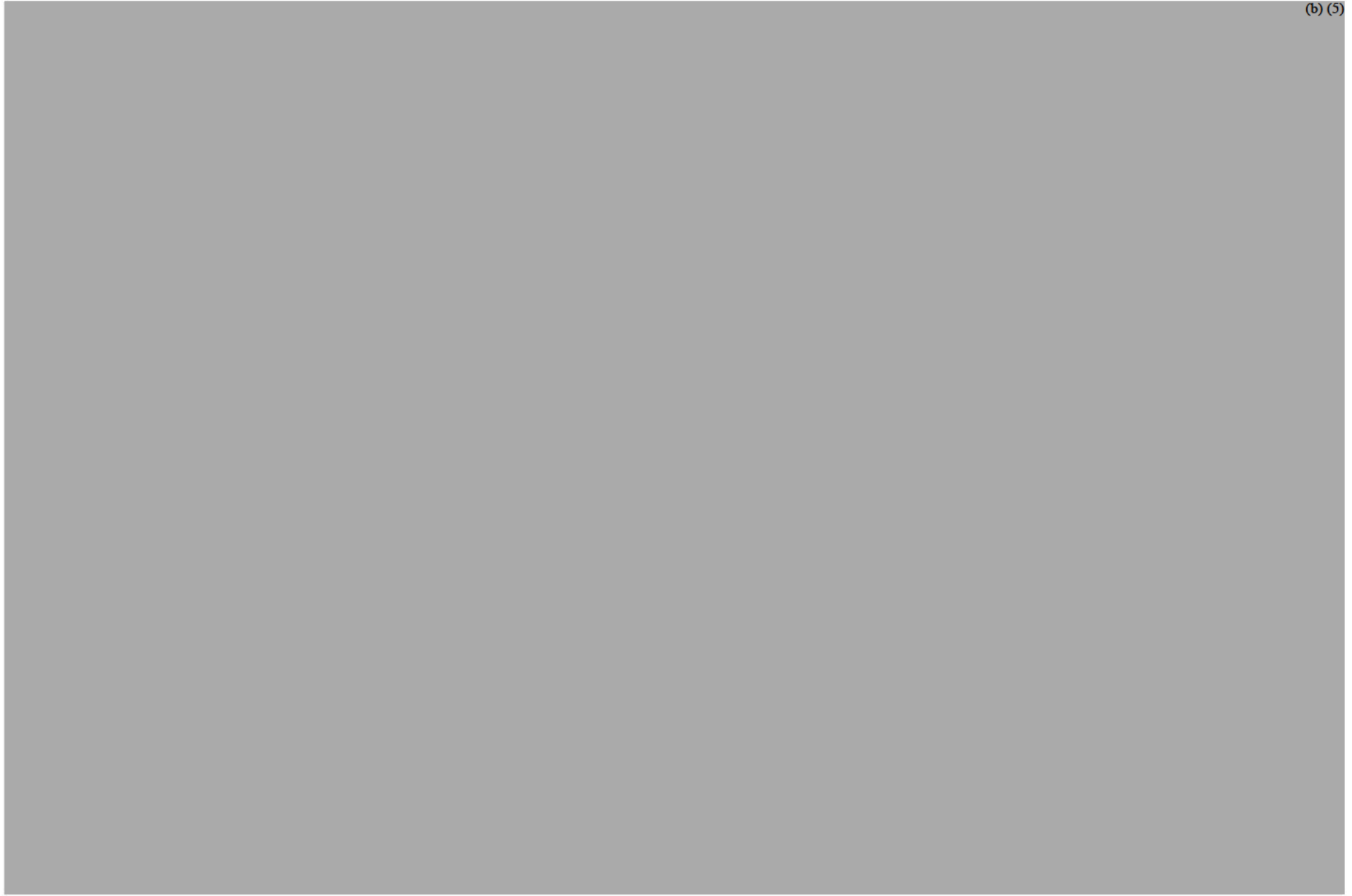
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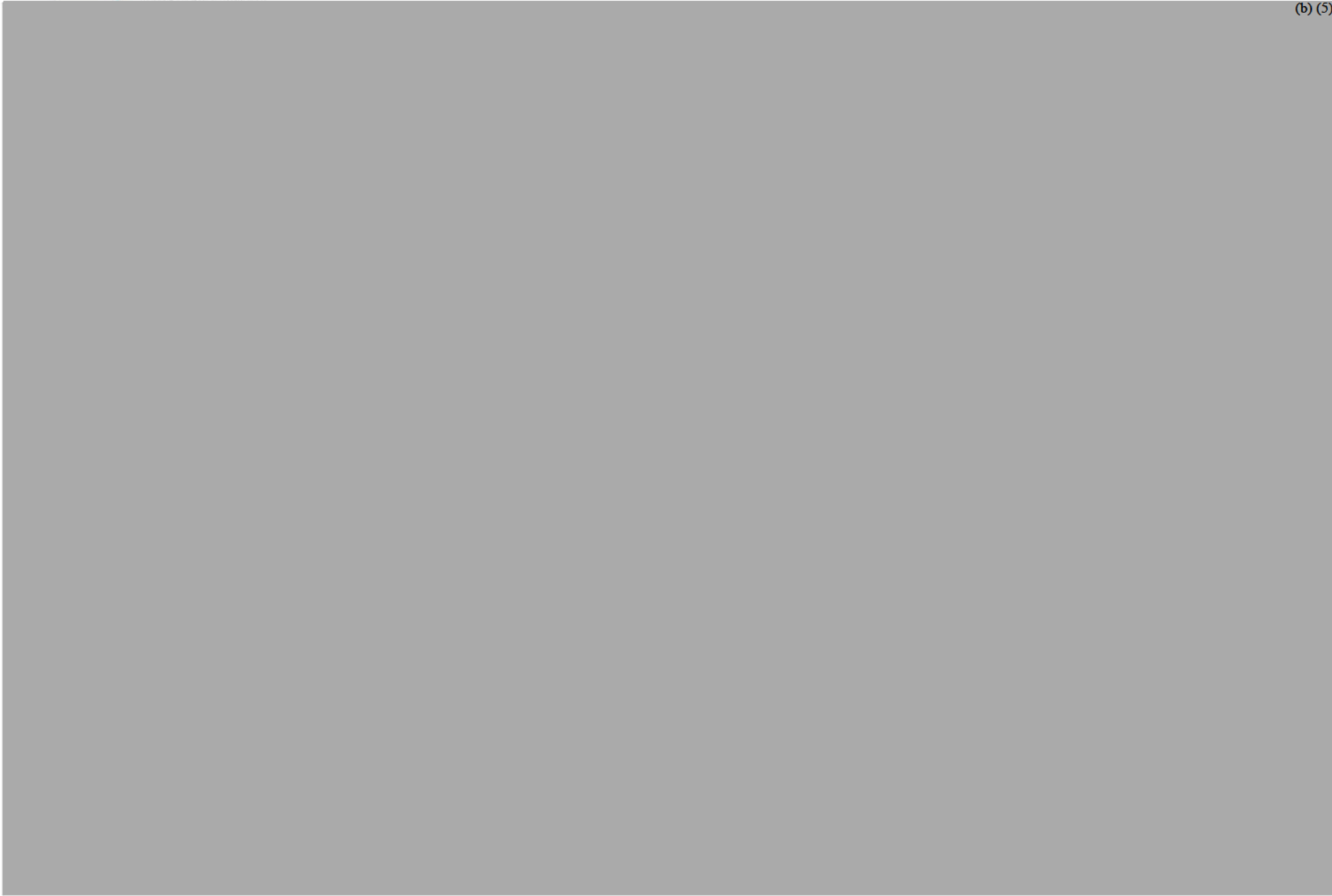


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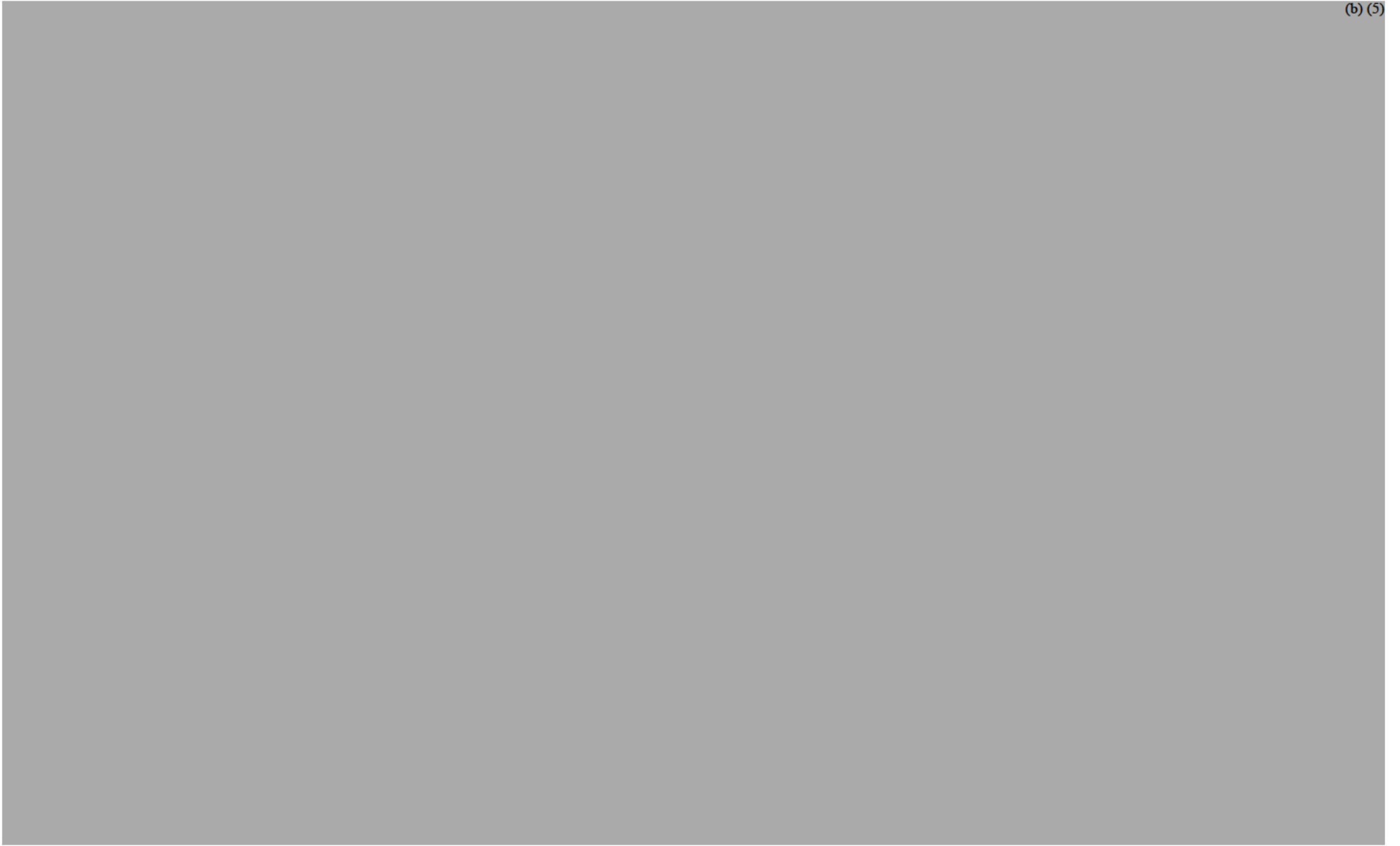




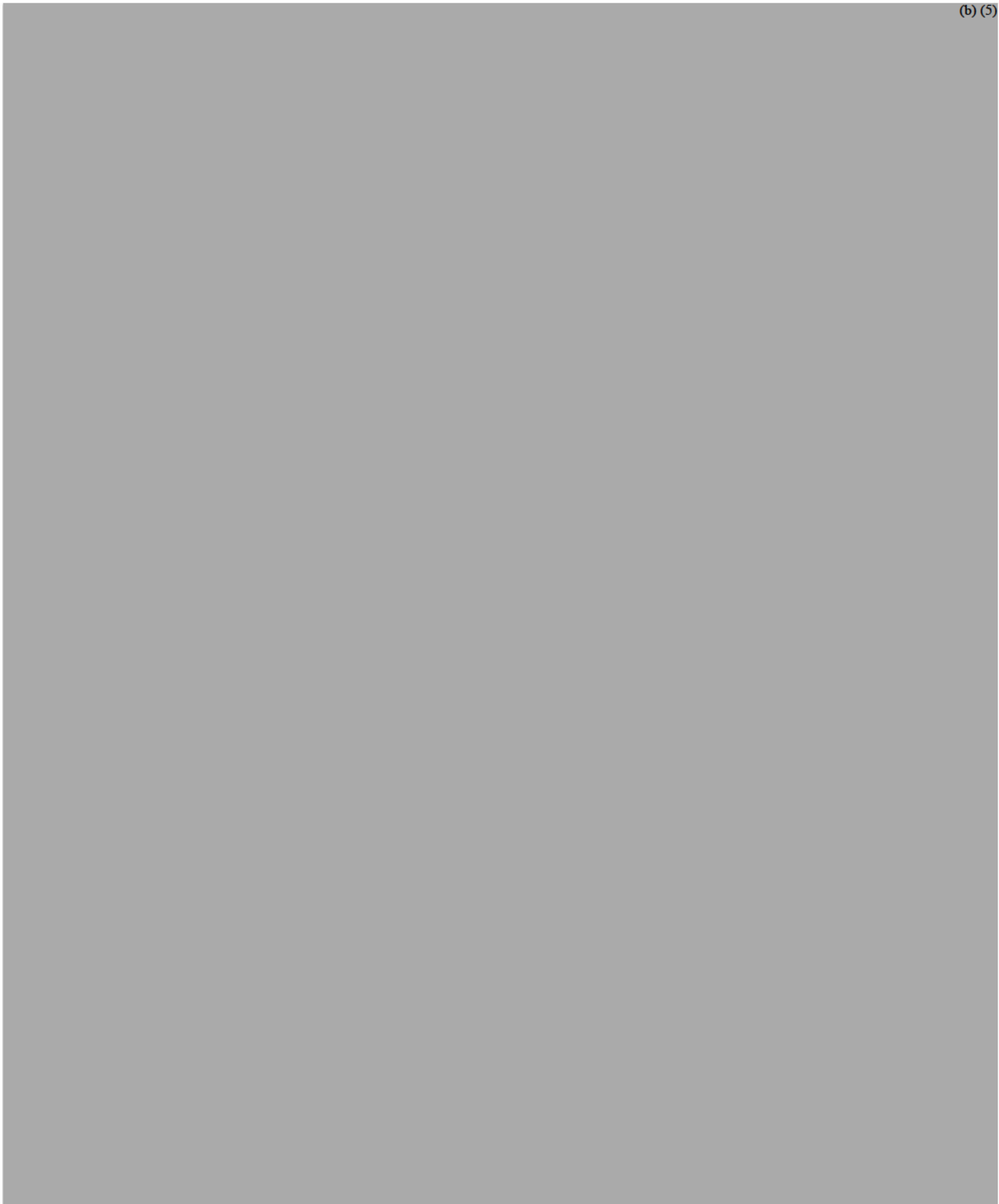




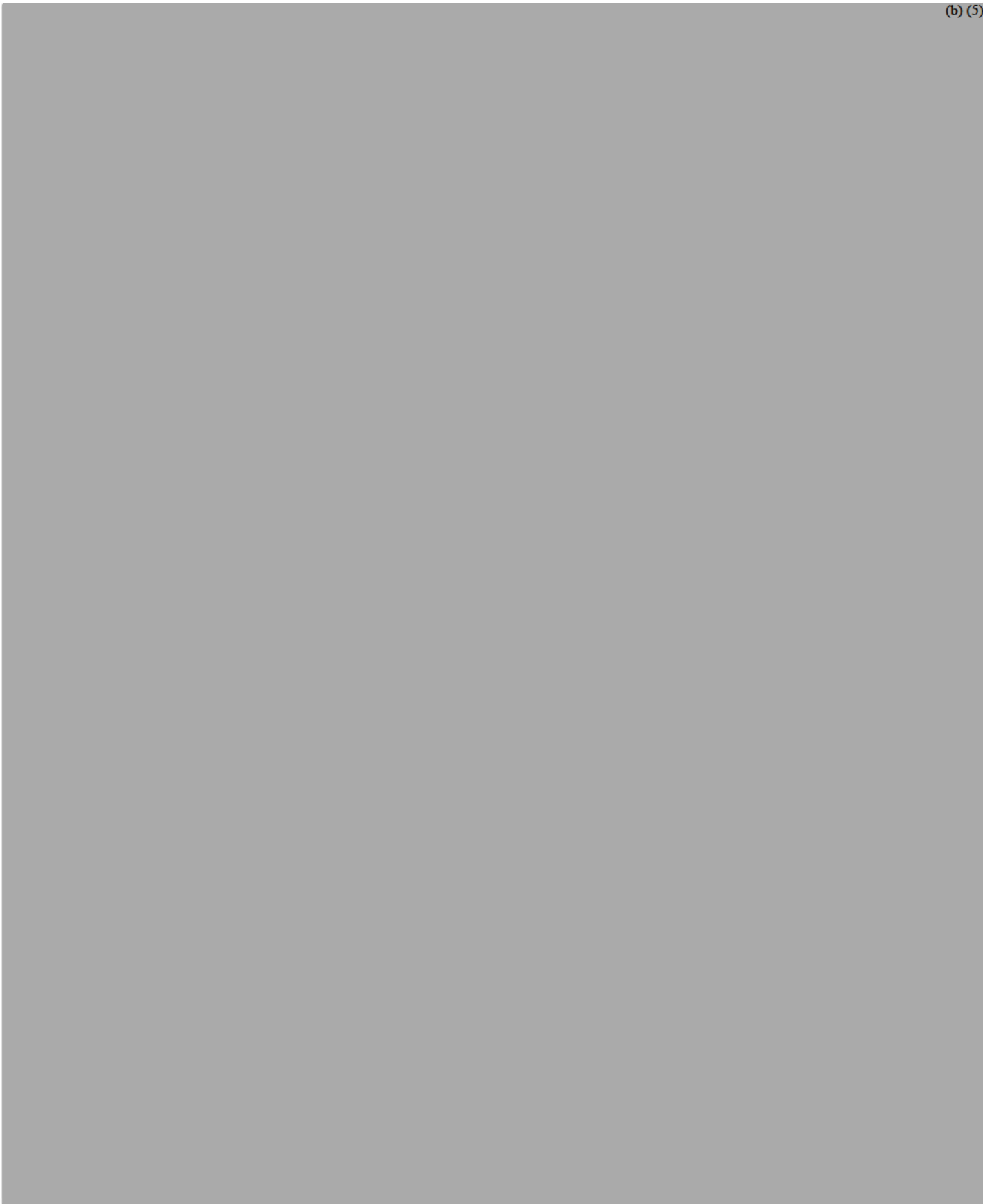
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From: [Coomes, Stephanie \(NIH/NIAID\) \[E\]](#)
To: [nCoV extramural response](#); [NIAID BUGS](#); [Erbelding, Emily \(NIH/NIAID\) \[E\]](#)
Subject: FW: SARS-CoV-2 Research Updates - March 16
Date: Monday, March 16, 2020 8:03:12 PM
Attachments: [NIAID SARS-CoV-2 Short Research Summary 3.16.20.docx](#)
[NIAID SARS-CoV-2 Full Weekly Update 3.16.20.docx](#)

From: Bushar, Nicholas (NIH/NIAID) [E] [REDACTED] (b) (6)
Sent: Monday, March 16, 2020 7:12 PM
To: NIAID Coronavirus Response SWAT 2020 <NIAIDCoronavirusResponseSWAT2020@mail.nih.gov>; NIAID PRWG <NIAIDPRWG@mail.nih.gov>; NIAID OD AM <NIAIDODAM@niaid.nih.gov>
Cc: Bozick, Brooke (NIH/OD) [E] [REDACTED] (b) (6); Shaffer, Meredith (NIH/NIAID) [E] [REDACTED] (b) (6); Barron, Karyl (NIH/NIAID) [E] [REDACTED] (b) (6); Miller, Katherine (NIH/NIAID) [E] [REDACTED] (b) (6); Li, Haiqing (NIH/NIAID) [E] [REDACTED] (b) (6); DMID Word Nerds <DMIDWordNerds@niaid.nih.gov>; NIAID OCGR Leg <NIAIDOCGRLeg@mail.nih.gov>; Parker, Marie (NIH/NIAID) [E] [REDACTED] (b) (6); Schieber, Gretchen (NIH/NIAID) [E] [REDACTED] (b) (6)
Subject: SARS-CoV-2 Research Updates - March 16

All -

With apologies for a slight delay, please find updates on the SARS-CoV-2 research response activities as of **3.16.2020**.

1. Digest form – NIAID Short Research Summary. Updates to last week’s summary are indicated in red.
2. Longer reference form – NIAID Full Weekly update

These documents and the full tracker are also available on the NIAID SARS-CoV-2 [Sharepoint](#). Please note: the link to the sharepoint was updated, so please use this link to access the site moving forward.

Best,
Nick

Nicholas Bushar, Ph.D.

Chief, Policy, Planning and Reporting Section
Policy, Planning, and Evaluation (PP&E) Branch
Office of Strategic Planning, Initiative Development, and Analysis, NIAID
National Institutes of Health (NIH)
Phone: [REDACTED] (b) (6)

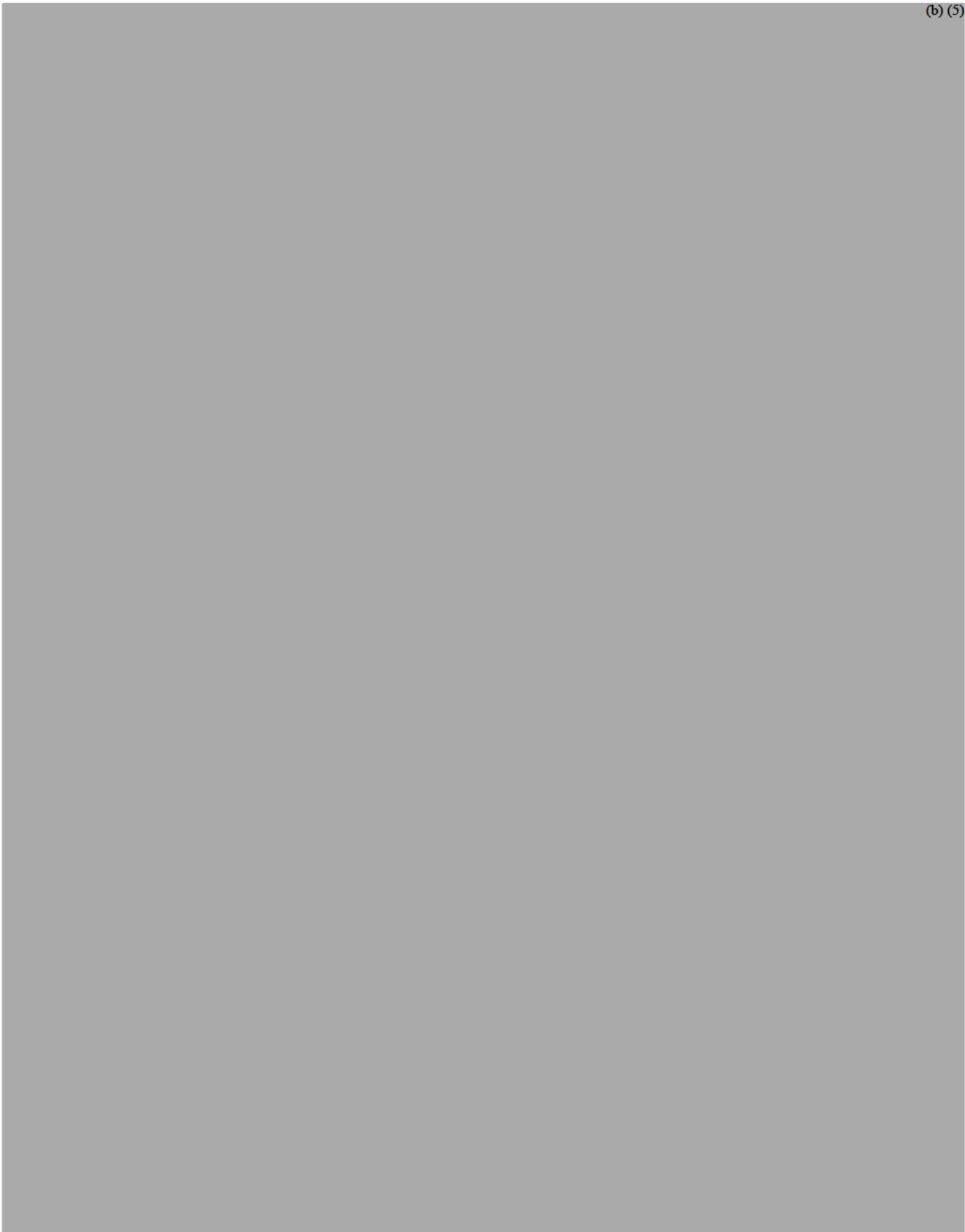


March 16, 2020

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NIAID SARS-CoV-2 Research Updates

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From: [Coomes, Stephanie \(NIH/NIAID\) \[E\]](#)
To: [nCoV extramural response](#)
Cc: [NIAID BUGS; Erbeling, Emily \(NIH/NIAID\) \[E\]](#)
Subject: Fwd: SARS-CoV-2 Research Updates - March 8
Date: Sunday, March 8, 2020 10:47:28 PM
Attachments: [NIAID SARS-CoV-2 Short Research Summary 3.8.20.docx](#)
[ATT00001.htm](#)
[NIAID SARS-CoV-2 Full Weekly Update 3.8.20 .docx](#)
[ATT00002.htm](#)

FYI - updates from across NIAID

Begin forwarded message:

From: "Bushar, Nicholas (NIH/NIAID) [E]" (b) (6)
Date: March 8, 2020 at 4:40:49 PM EDT
To: NIAID Coronavirus Response SWAT 2020
<NIAIDCoronavirusResponseSWAT2020@mail.nih.gov>, "Cassetti, Cristina (NIH/NIAID) [E]" (b) (6), "Marston, Hilary (NIH/NIAID) [E]" (b) (6), "Pierson, Theodore (NIH/NIAID) [E]" (b) (6), "Munster, Vincent (NIH/NIAID) [E]" (b) (6), "Higgs, Elizabeth (NIH/NIAID) [E]" (b) (6), "McNay, Laura (NIH/NIAID) [E]" (b) (6), "Read, Sarah (NIH/NIAID) [E]" (b) (6), "Morabito, Kaitlyn (NIH/VRC) [E]" (b) (6), "Bok, Karin (NIH/VRC) [E]" (b) (6), "Leitner, Wolfgang (NIH/NIAID) [E]" (b) (6), "Lapham, Cheryl (NIH/NIAID) [E]" (b) (6), "Stumpo, Dante (NIH/NIAID) [E]" (b) (6), "Dominique, Joyelle (NIH/NIAID) [E]" (b) (6), "Bryant, Paula (NIH/NIAID) [E]" (b) (6), "Johnson, Martin S. (NIH/NIAID) [E]" (b) (6), "Graham, Barney (NIH/VRC) [E]" (b) (6), "Schneider, Johanna (NIH/NIAID) [E]" (b) (6), "Derocco, Amanda (NIH/NIAID) [E]" (b) (6), "Patterson, Jean (NIH/NIAID) [E]" (b) (6), "Handley, Gray (NIH/NIAID) [E]" (b) (6), "Deckhut, Alison (NIH/NIAID) [E]" (b) (6), "Touchette, Nancy (NIH/NIAID) [E]" (b) (6), "Lerner, Andrea (NIH/NIAID) [E]" (b) (6), "Young, Monique (NIH/VRC) [E]" (b) (6), "Stemmy, Erik (NIH/NIAID) [E]" (b) (6), "Corbett, Kizzmekia (NIH/VRC) [E]" (b) (6), "Yang, Linda (NIH/NIAID) [E]" (b) (6), "Ranjan, Mukul (NIH/NIAID) [E]" (b) (6), "Sorenson, Robert (NIH/NIAID) [C]" (b) (6), "Chen, Ping (NIH/NIAID) [E]" (b) (6), "Bernabe, Gayle (NIH/NIAID) [E]" (b) (6), "Rosa, William (NIH/NIAID) [E]" (b) (6), "Lu, Tami (NIH/NIAID) [E]" (b) (6),

NIAID OD AM <NIAIDODAM@niaid.nih.gov>

Cc: "Bozick, Brooke (NIH/OD) [E]" (b) (6), "Shaffer, Meredith (NIH/NIAID) [E]" (b) (6), "Barron, Karyl (NIH/NIAID) [E]" (b) (6), "Miller, Katherine (NIH/NIAID) [E]" (b) (6), "Li, Haiqing (NIH/NIAID) [E]" (b) (6), DMID Word Nerds <DMIDWordNerds@niaid.nih.gov>, NIAID OCGR Leg <NIAIDOCGRLeg@mail.nih.gov>

Subject: SARS-CoV-2 Research Updates - March 8

All -

Attached please find updates on the SARS-CoV-2 research response activities as of **3.8.2020**.

1. Digest form – NIAID Short Research Summary. Updates to last week's summary are indicated in **red**.
2. Longer reference form – NIAID Full Weekly update

These documents and the full tracker are also available on the NIAID SARS-CoV-2 [Sharepoint](#).

Best,
Nick

Nicholas Bushar, Ph.D.

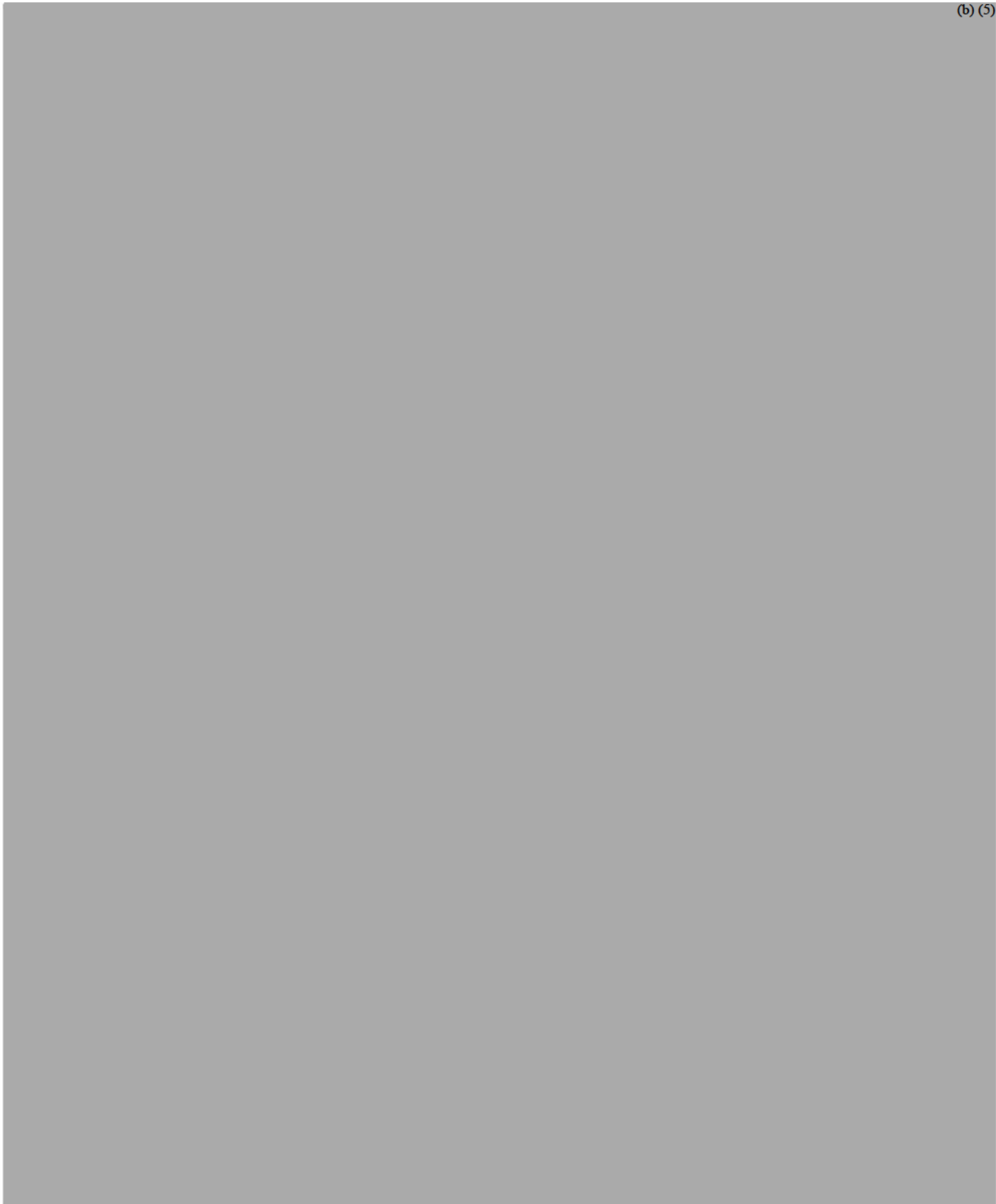
Chief, Policy, Planning and Reporting Section

Policy, Planning, and Evaluation (PP&E) Branch

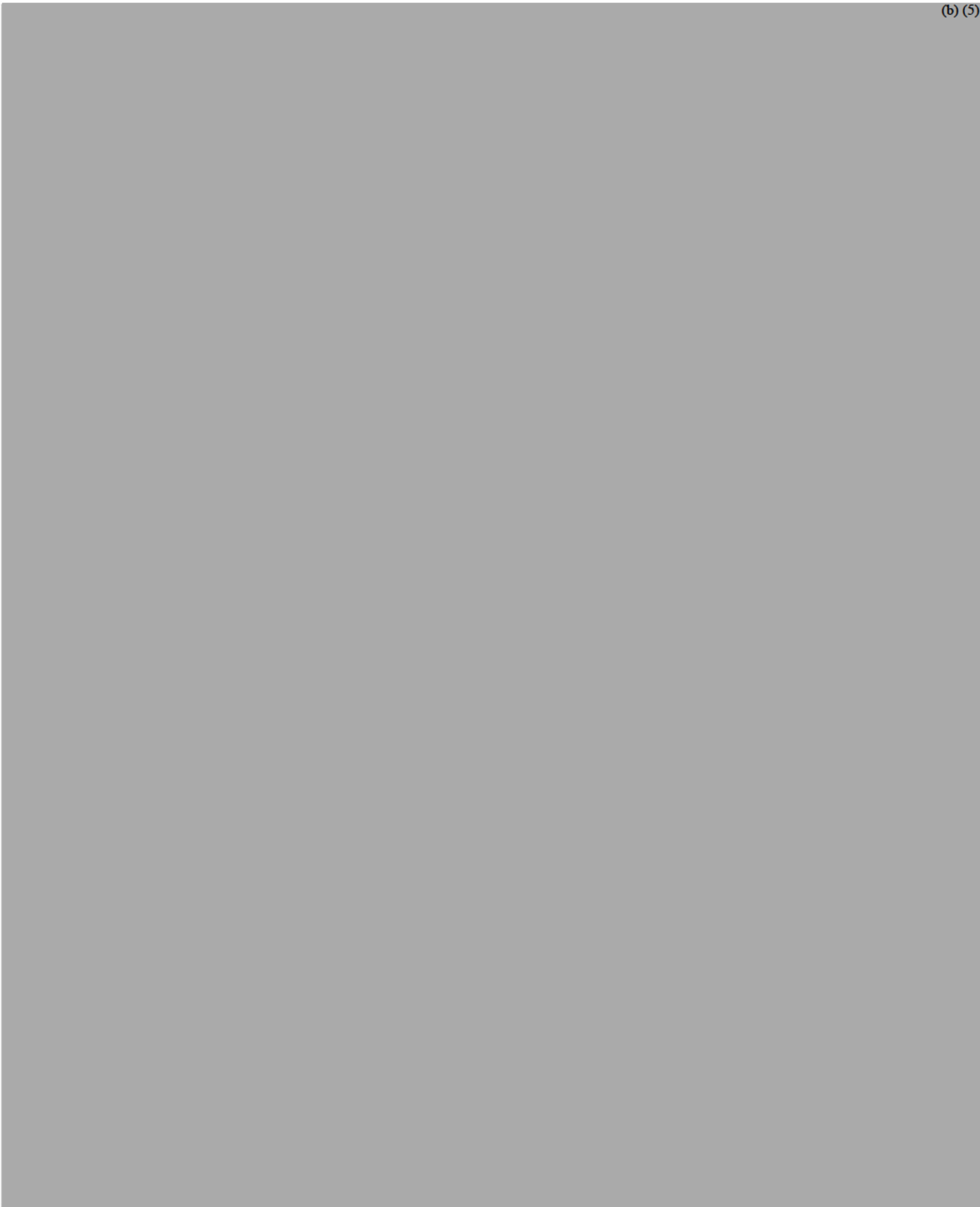
Office of Strategic Planning, Initiative Development, and Analysis, NIAID

National Institutes of Health (NIH)

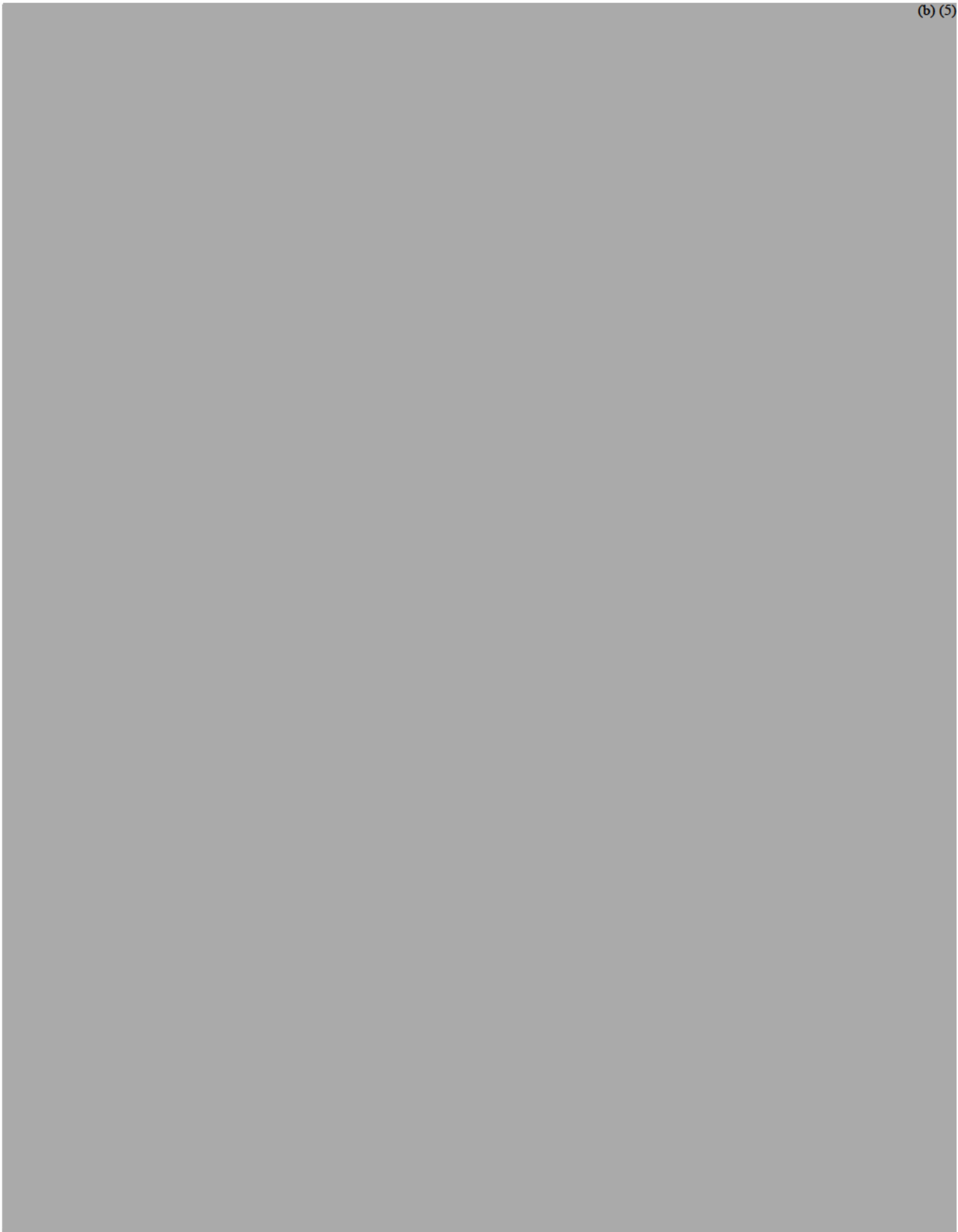
Phone: (b) (6)



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From: [Coomes, Stephanie \(NIH/NIAID\) \[E\]](#)
To: [nCoV extramural response](#)
Cc: [NIAID BUGS](#)
Subject: FW: SARS-CoV-2 Research Updates - Feb 22
Date: Monday, February 24, 2020 11:46:49 AM
Attachments: [NIAID SARS-CoV-2 Short Research Summary 2.22.20.docx](#)
[NIAID SARS-CoV-2 Full Weekly Update 2.22.20.docx](#)

FYI- SARS-CoV-2 updates from across NIAID

From: Bushar, Nicholas (NIH/NIAID) [E] (b) (6)
Sent: Sunday, February 23, 2020 2:17 PM
To: NIAID Coronavirus Response SWAT 2020 <NIAIDCoronavirusResponseSWAT2020@mail.nih.gov>; Cassetti, Cristina (NIH/NIAID) [E] (b) (6); Marston, Hilary (NIH/NIAID) [E] (b) (6); Pierson, Theodore (NIH/NIAID) [E] (b) (6); Munster, Vincent (NIH/NIAID) [E] (b) (6); Higgs, Elizabeth (NIH/NIAID) [E] (b) (6); McNay, Laura (NIH/NIAID) [E] (b) (6); Read, Sarah (NIH/NIAID) [E] (b) (6); Morabito, Kaitlyn (NIH/VRC) [E] (b) (6); Bok, Karin (NIH/VRC) [E] (b) (6); Leitner, Wolfgang (NIH/NIAID) [E] (b) (6); Lapham, Cheryl (NIH/NIAID) [E] (b) (6); Stumpo, Dante (NIH/NIAID) [E] (b) (6); Dominique, Joyelle (NIH/NIAID) [E] (b) (6); Bryant, Paula (NIH/NIAID) [E] (b) (6); Johnson, Martin S. (NIH/NIAID) [E] (b) (6); Graham, Barney (NIH/VRC) [E] (b) (6); Schneider, Johanna (NIH/NIAID) [E] (b) (6); Derocco, Amanda (NIH/NIAID) [E] (b) (6); Patterson, Jean (NIH/NIAID) [E] (b) (6); Handley, Gray (NIH/NIAID) [E] (b) (6); Deckhut, Alison (NIH/NIAID) [E] (b) (6); Touchette, Nancy (NIH/NIAID) [E] (b) (6); Lerner, Andrea (NIH/NIAID) [E] (b) (6); Young, Monique (NIH/VRC) [E] (b) (6); Stemmy, Erik (NIH/NIAID) [E] (b) (6); Corbett, Kizzmekia (NIH/VRC) [E] (b) (6); Yang, Linda (NIH/NIAID) [E] (b) (6); Ranjan, Mukul (NIH/NIAID) [E] (b) (6); Sorenson, Robert (NIH/NIAID) [C] (b) (6); Chen, Ping (NIH/NIAID) [E] (b) (6); Bernabe, Gayle (NIH/NIAID) [E] (b) (6); Rosa, William (NIH/NIAID) [E] (b) (6); Lu, Tami (NIH/NIAID) [E] (b) (6)
Cc: Bozick, Brooke (NIH/OD) [E] (b) (6); Shaffer, Meredith (NIH/NIAID) [E] (b) (6); Barron, Karyl (NIH/NIAID) [E] (b) (6); Miller, Katherine (NIH/NIAID) [E] (b) (6); Li, Haiqing (NIH/NIAID) [E] (b) (6); DMID Word Nerds <DMIDWordNerds@niaid.nih.gov>
Subject: SARS-CoV-2 Research Updates - Feb 22

All -

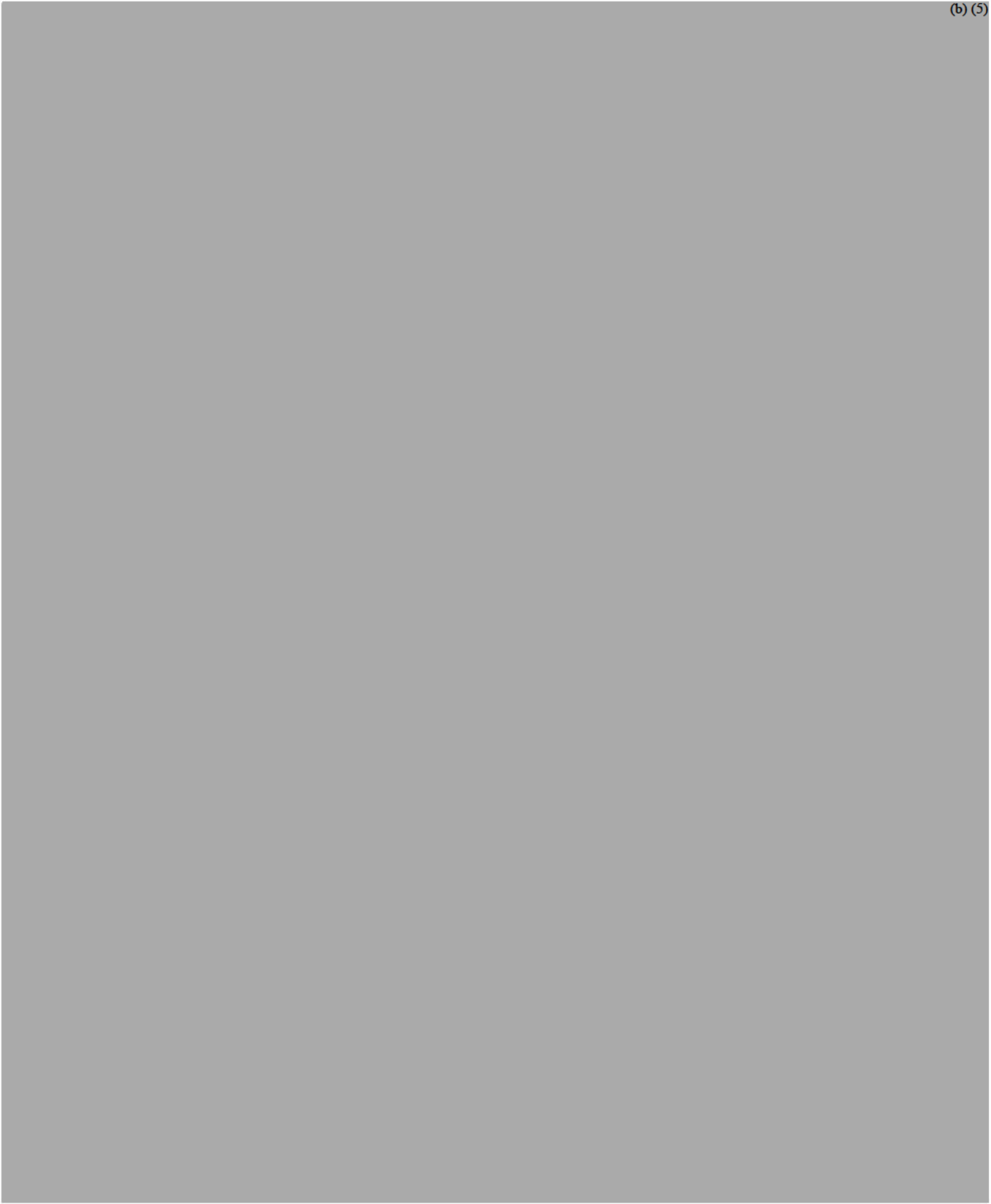
Attached please find updates on the SARS-CoV-2 research response activities as of **2.22.2020**.

1. Digest form – NIAID Research Summary. Updates to last week’s summary are indicated in **red**.

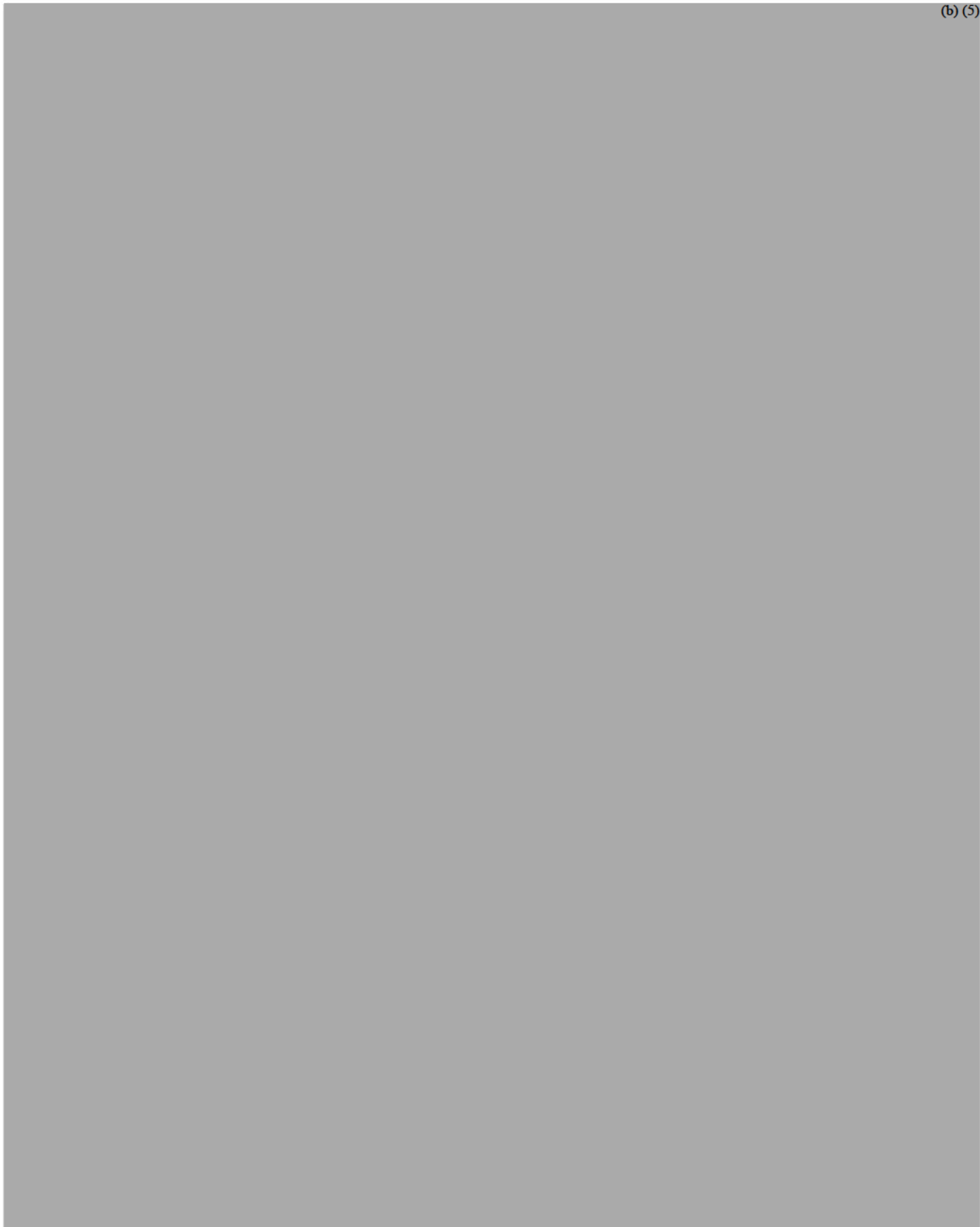
2. Longer reference form – NIAID Full Weekly update

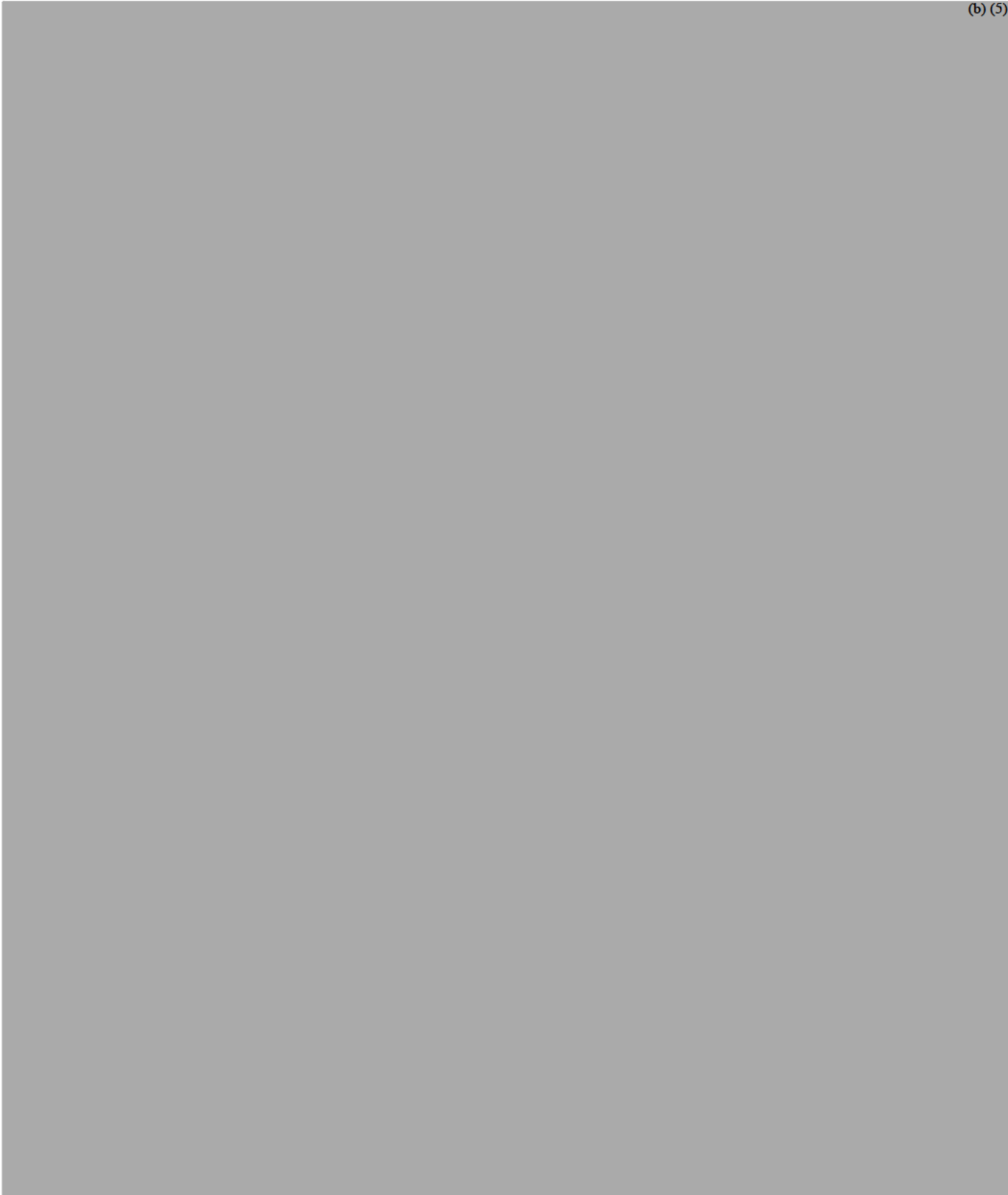
These documents and the full tracker are also available on the NIAID SARS-CoV-2 [Sharepoint](#).

Best,
Nick



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From: [Coomes, Stephanie \(NIH/NIAID\) \[E\]](#)
To: [nCoV extramural response](#); [NIAID BUGS](#)
Subject: FW: SARS-CoV-2 Research Updates - Feb 16
Date: Tuesday, February 18, 2020 8:27:54 AM
Attachments: [NIAID SARS-CoV-2 Research Summary 2.16.20.docx](#)
[NIAID SARS-CoV-2 Full Weekly Update 2.16.20.docx](#)

Good morning –

Attached are the latest NIAID updates on coronavirus activities.

Thanks!
Stephanie

From: Bushar, Nicholas (NIH/NIAID) [E] [REDACTED] (b) (6)
Sent: Sunday, February 16, 2020 12:25 PM
To: NIAID Coronavirus Response SWAT 2020 <NIAIDCoronavirusResponseSWAT2020@mail.nih.gov>; Cassetti, Cristina (NIH/NIAID) [E] [REDACTED] (b) (6); Marston, Hilary (NIH/NIAID) [E] [REDACTED] (b) (6); Pierson, Theodore (NIH/NIAID) [E] [REDACTED] (b) (6); Munster, Vincent (NIH/NIAID) [E] [REDACTED] (b) (6); Higgs, Elizabeth (NIH/NIAID) [E] [REDACTED] (b) (6); McNay, Laura (NIH/NIAID) [E] [REDACTED] (b) (6); Read, Sarah (NIH/NIAID) [E] [REDACTED] (b) (6); Morabito, Kaitlyn (NIH/VRC) [E] [REDACTED] (b) (6); Bok, Karin (NIH/VRC) [E] [REDACTED] (b) (6); Leitner, Wolfgang (NIH/NIAID) [E] [REDACTED] (b) (6); Lapham, Cheryl (NIH/NIAID) [E] [REDACTED] (b) (6); Stumpo, Dante (NIH/NIAID) [E] [REDACTED] (b) (6); Dominique, Joyelle (NIH/NIAID) [E] [REDACTED] (b) (6); Bryant, Paula (NIH/NIAID) [E] [REDACTED] (b) (6); Johnson, Martin S. (NIH/NIAID) [E] [REDACTED] (b) (6); Graham, Barney (NIH/VRC) [E] [REDACTED] (b) (6); Schneider, Johanna (NIH/NIAID) [E] [REDACTED] (b) (6); Derocco, Amanda (NIH/NIAID) [E] [REDACTED] (b) (6); Patterson, Jean (NIH/NIAID) [E] [REDACTED] (b) (6); Handley, Gray (NIH/NIAID) [E] [REDACTED] (b) (6); Deckhut, Alison (NIH/NIAID) [E] [REDACTED] (b) (6); Touchette, Nancy (NIH/NIAID) [E] [REDACTED] (b) (6); Lerner, Andrea (NIH/NIAID) [E] [REDACTED] (b) (6); Young, Monique (NIH/VRC) [E] [REDACTED] (b) (6); Stemmy, Erik (NIH/NIAID) [E] [REDACTED] (b) (6); Corbett, Kizzmekia (NIH/VRC) [E] [REDACTED] (b) (6); Yang, Linda (NIH/NIAID) [E] [REDACTED] (b) (6); Ranjan, Mukul (NIH/NIAID) [E] [REDACTED] (b) (6); Sorenson, Robert (NIH/NIAID) [C] [REDACTED] (b) (6); Chen, Ping (NIH/NIAID) [E] [REDACTED] (b) (6); Bernabe, Gayle (NIH/NIAID) [E] [REDACTED] (b) (6); Rosa, William (NIH/NIAID) [E] [REDACTED] (b) (6); Lu, Tami (NIH/NIAID) [E] [REDACTED] (b) (6)
Cc: Bozick, Brooke (NIH/OD) [E] [REDACTED] (b) (6); Shaffer, Meredith (NIH/NIAID) [E] [REDACTED] (b) (6); Barron, Karyl (NIH/NIAID) [E] [REDACTED] (b) (6); Miller, Katherine (NIH/NIAID) [E] [REDACTED] (b) (6); Li, Haiqing (NIH/NIAID) [E] [REDACTED] (b) (6); DMID Word Nerds <DMIDWordNerds@niaid.nih.gov>
Subject: SARS-CoV-2 Research Updates - Feb 16

All -

Attached please find updates on the SARS-CoV-2 research response activities as of **2.16.2020**.
Thanks again to the division leads for sending compiled information.

1. Digest form – NIAID Research Summary. Updates to last week's summary are indicated in **red**.
2. Longer reference form – NIAID Full Weekly update

These documents and the full tracker are also available on the NIAID SARS-CoV-2 [Sharepoint](#).

Best,
Nick

Nicholas Bushar, Ph.D.

Chief, Policy, Planning and Reporting Section

Strategic Planning and Evaluation Branch

Office of Strategic Planning, Initiative Development, and Analysis, NIAID

National Institutes of Health (NIH)

Phone: (b) (6)







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**No new updates from 2/8*

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