

From: Hoau-yan Wang
Sent time: 04/08/2020 04:11:46 PM
To: lburns@cassavasciences.com
Cc: [REDACTED]@gmail.com
Subject: Fw: [EXTERNAL] New research funding to join the fight against COVID-19

From: National Institute on Aging <noreply@nih.gov>
Sent: Wednesday, April 8, 2020 1:14 PM
To: Hoau-yan Wang
Subject: [EXTERNAL] New research funding to join the fight against COVID-19

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New funding opportunities to join the fight against COVID-19

Ken Santora, Director, Division of Extramural Activities (DEA)

The coronavirus pandemic has changed “business as usual” for scientists overnight. But it has not changed our mission, and with older adults among the most vulnerable to COVID-19, NIA is working to roll out new funding opportunities for research on the virus as rapidly as possible.

With that in mind, I am pleased to announce a new Notice of Special Interest (NOSI) [NOT-AG-20-022: NIA Availability of Administrative Supplements and Revision Supplements on Coronavirus Disease 2019 \(COVID-19\)](#). Through this NOSI, NIA aims to address the urgent public health need to better understand COVID-19, particularly to improve prevention of disease transmission among older adults and mitigation of disease severity and mortality in older adults with the virus. The application period is now open, and submissions will be accepted through May 1, 2021. [Read the full blog post.](#)



 National Institute on Aging



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From: Lindsay Burns <lburns@cassavasciences.com>
Sent time: 04/08/2020 04:26:50 PM
To: Hoau-yan Wang
Cc: [REDACTED]@gmail.com
Subject: Re: [EXTERNAL] New research funding to join the fight against COVID-19

POL 87(2)(d)

This is the one. [REDACTED]

[REDACTED]. I am staying on this to see what we can do.

Lindsay

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See below, I am not sure this is all that useful.

Thanks.

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From: Martin Lee <Martin.Lee@cuny.edu>
Sent: Tuesday, April 14, 2020 5:21 PM
To: Martin Lee
Subject: [EXTERNAL] April 30 deadline; DOD Solicitation for Phase 2 Expedited SBIR for COVID19 Solutions <301-40 0 >

This may interest you.

Regards,
Martin Lee
Office Manager
Technology Commercialization Office
The City University of New York
555 West 57th Street, Suite 1407
New York, New York 10019
Office: 646-664-3447
Martin.Lee@cuny.edu
<http://www2.cuny.edu/research/innovation-entrepreneurship/tco/>

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COVID19 Solutions



Opportunity: Direct to Phase II SBIR Contract
Scope: COVID-19 Solutions (see attached for Focus Areas of interest)
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Period of Performance: Up to 27 months

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Additional Resources to battle COVID19

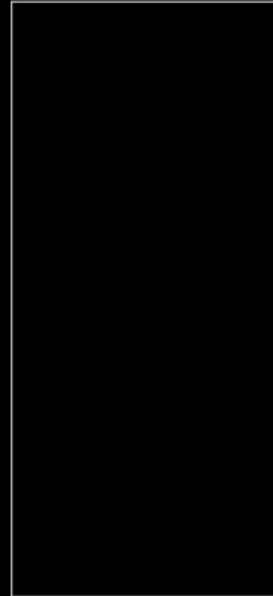
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From: Lindsay Burns <lburns@cassavasciences.com>

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Subject: [EXTERNAL] Re: April 30 deadline; DOD Solicitation for Phase 2 Expedited SBIR for COVID19 Solutions <301-40 0 >

POL87(2)(d)

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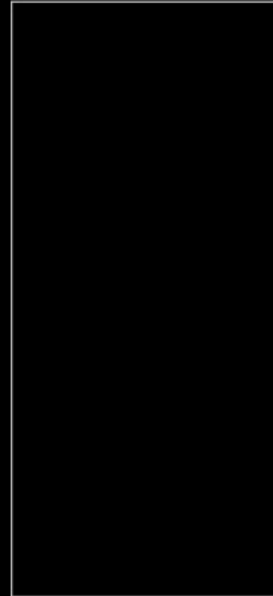
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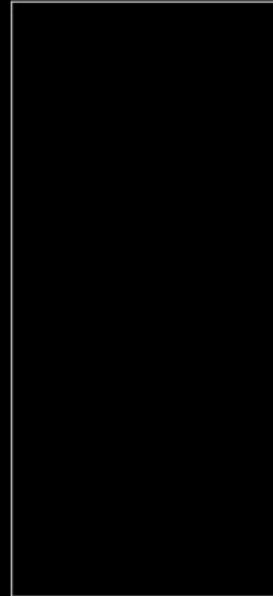
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From: Qiang Xu <qxx07a@acu.edu>

Sent time: 04/26/2020 05:18:56 PM

To: Ben Thornton <gthornton@cassavasciences.com>; Hoau-yan Wang; Hoau-Yan wang <[REDACTED]@gmail.com>

Subject: [EXTERNAL] 20200426 results

POL 87(2)(d)

Hi Ben and Hoau,

Hone you are doing well! I did two western blot using [REDACTED] his time.
[REDACTED]

Many blessings,

John
[REDACTED]

--

Qiang (John) Xu, Ph.D.

Professor

Department of Biology

Abilene Christian University

ACU Box 27868

Abilene, Texas 79699-7868

325-674-4883

fax 325-674-2009

qxu@acu.edu

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Sent time: 04/26/2020 05:27:12 PM
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Subject: [EXTERNAL] Re: 20200426 results

Hi John,

Can you send the file directly to my email. For some reason it went to a google drive and I am having difficulty getting permission to access.

Thanks.

Ben

From: Qiang Xu <qxx07a@acu.edu>
Reply-To: Qiang Xu <qxx07a@acu.edu>
Date: Sunday, April 26, 2020 at 4:19 PM
To: Ben Thornton <gthornton@cassavasciences.com>, Hoau-Yan Wang <hywang@med.cuny.edu>, '[REDACTED]@gmail.com' <[REDACTED]@gmail.com>
Subject: 20200426 results

POL 87(2)(d)

Hi Ben and Hoau,

Hope you are doing well! I did two western blot using [REDACTED]
[REDACTED] his time. [REDACTED]

Many blessings,

John

 [20200426 Western blot r results.pptx](#)

--
Qiang (John) Xu, Ph.D.
Professor
Department of Biology
Abilene Christian University
ACU Box 27868
Abilene, Texas 79699-7868
325-674-4883
fax 325-674-2009
qxu@acu.edu

From: Lindsay Burns <lburns@cassavasciences.com>

Sent time: 04/27/2020 09:38:55 PM

To: Michael Corrado <[REDACTED]@yahoo.com>; Nadav Friedmann <nfriedmann@cassavasciences.com>; Hoau-yan Wang; Remi Barbier <remi@cassavasciences.com>

Subject: [EXTERNAL] Covid overview in Science

This is a good overview.

https://www.sciencemag.org/news/2020/04/how-does-coronavirus-kill-clinicians-trace-ferocious-rampage-through-body-brain-toes?fbclid=IwAR1g8ZmYCL_C-nrNW5FSP5J-AD5Pm59-n9sQVi_oenU-9hNmOYZz5_BA9fc

Lindsay

From: Hoau-yan Wang
Sent time: 04/28/2020 10:24:00 AM
To: Lindsay Burns <lburns@cassavasciences.com>
Subject: Re: Covid overview in Science

Indeed a good overview. Thank you.

Hoau

From: Lindsay Burns <lburns@cassavasciences.com>
Sent: Monday, April 27, 2020 9:38 PM
To: Michael Corrado; Nadav Friedmann; Hoau-yan Wang; Remi Barbier
Subject: [EXTERNAL] Covid overview in Science

This is a good overview.

https://www.sciencemag.org/news/2020/04/how-does-coronavirus-kill-clinicians-trace-ferocious-rampage-through-body-brain-toes?fbclid=IwAR1g8ZmYCL_C-nrNW5FSP5J-AD5Pm59-n9sOVi_oenU-9hNmOYZz5_BA9fc

Lindsay

From: Qiang Xu <qxx07a@acu.edu>

POL 87(2)(d)

Sent time: 05/24/2020 06:03:01 PM

To: gbthornton@neuropharmacology.com; Ben Thornton <gthornton@cassavasciences.com>; Hoau-Yan wang <[REDACTED]@gmail.com>; Hoau-yan Wang

Subject: [EXTERNAL] 20200524 results

Hi Ben and Hoau,

Hope you and yours are well! [REDACTED]

Many blessings,

John

[REDACTED]

--

Qiang (John) Xu, Ph.D.

Professor

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Abilene Christian University

ACU Box 27868

Abilene, Texas 79699-7868

325-674-4883

fax 325-674-2009

qxu@acu.edu

From: Qiang Xu <qxx07a@acu.edu>
Sent time: 05/31/2020 05:39:43 PM
To: Ben Thornton <gthornton@cassavasciences.com>; Hoau-Yan wang <[REDACTED]@gmail.com>; Hoau-yan Wang
Subject: [EXTERNAL] 20200531 results
Attachments: 20200531 Western blot results.pptx

Hi Ben and Hoau,

Hope you are well! [REDACTED]

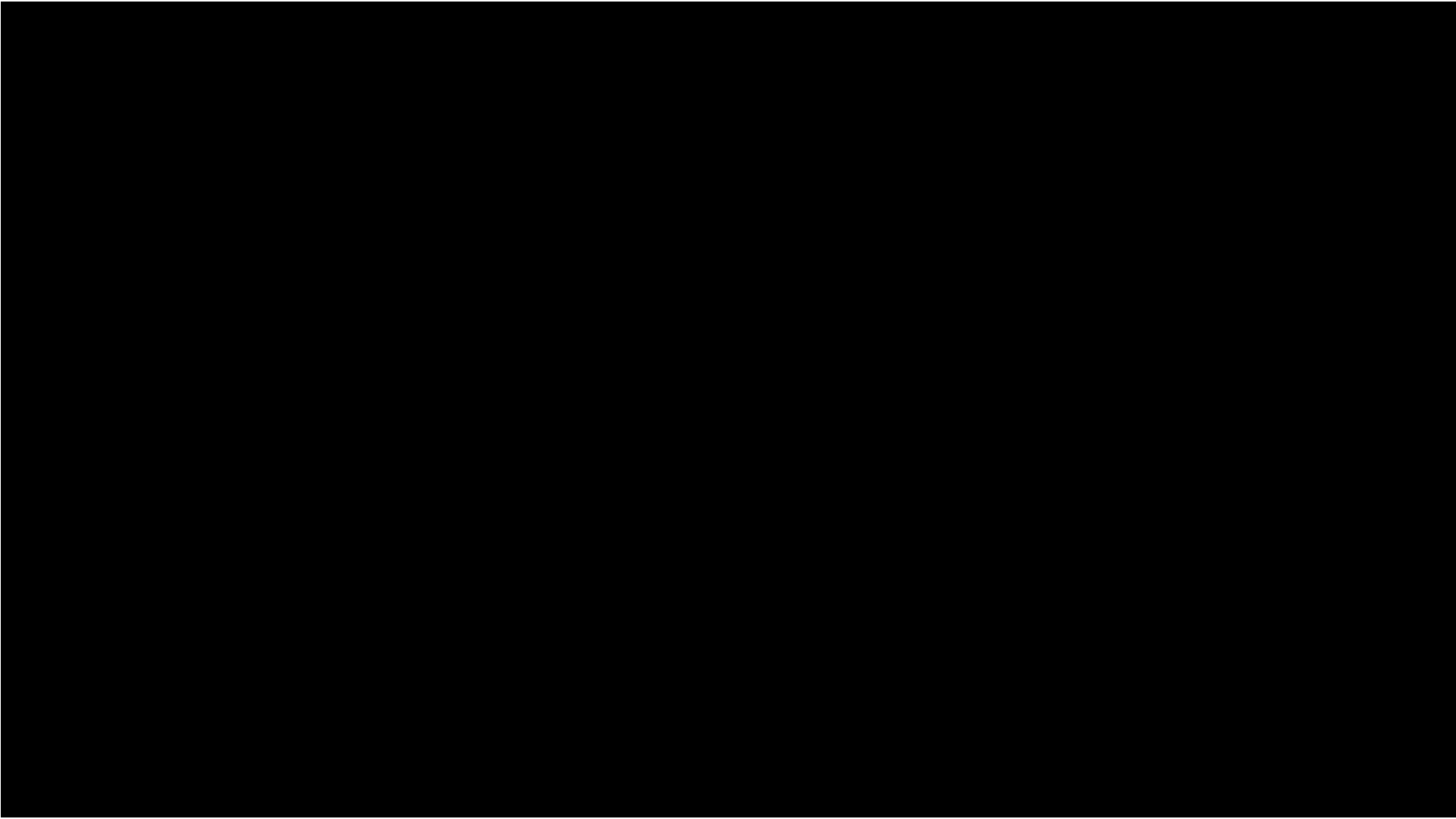
POL 87(2)(d)

Blessings,

John

--

Qiang (John) Xu, Ph.D.
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Abilene, Texas 79699-7868
325-674-4883
fax 325-674-2009
qxu@acu.edu



From: Lindsay Burns <lburns@cassavasciences.com>
Sent time: 06/07/2020 10:45:55 AM
To: LSBio Technical Support <technicalsupport@lsbio.com>; Hoau-Yan Wang <[REDACTED]@gmail.com>
Cc: Hoau-yan Wang
Subject: [EXTERNAL] Re: ordered a wrong kit # 3367 LS-F55832

Hello,

I have two orders pending and I realized that I did not receive the credit for this wrong order a year ago. Can you please apply the credit to order #SO 25124?

Thank you!
Lindsay

From: LSBio Technical Support <technicalsupport@lsbio.com>
Sent: Wednesday, May 29, 2019 12:33:13 PM
To: Lindsay Burns; LSBio Technical Support; 'Hoau-Yan Wang'
Cc: Hoau-Yan Wang
Subject: RE: ordered a wrong kit # 3367 LS-F55832

Dear Lindsay,

Good afternoon. Good question.

The credit is valid for 1 year from the date it is issued. You will be emailed a credit memo/number that can be used with future orders.

For updates on the status of the credit memo, please contact accounting at: accounting@lsbio.com

Best regards,
Tina

From: Lindsay Burns [mailto:lburns@cassavasciences.com]
Sent: Wednesday, May 29, 2019 10:29 AM
To: LSBio Technical Support; 'Hoau-Yan Wang'
Cc: Hoau-Yan Wang
Subject: RE: ordered a wrong kit # 3367 LS-F55832

Dear Tina,

Thanks for offering the 50% credit on a wrong order. Could you confirm how the credit will work? We will be ordering again but not for several months, so I don't want to lose track of the credit. Please advise how we can use it later, or if a code will be emailed. Thanks!

Best regards,
Lindsay

From: LSBio Technical Support <technicalsupport@lsbio.com>
Sent: Friday, May 24, 2019 10:55 AM
To: 'Hoau-Yan Wang' <[REDACTED]@gmail.com>
Cc: Lindsay Burns <lburns@cassavasciences.com>; Hoau-Yan Wang <hywang@med.cuny.edu>
Subject: RE: ordered a wrong kit # 3367 LS-F55832

Dear Dr. Wang,

Good day. Thank you for your email. I apologize that I did not respond to you yesterday.

Because all ELISA kits are custom made and because of the short shelf life we do not take returns of ELISA kits. We do understand that ordering mistakes occur, so I can offer you a credit for 50% of cost of the kit.

Please destroy the kit LS-F55832. If you would like to order the kit LS-F9751 a new order will need to be submitted.

Please note that it typically takes 2-3 weeks for the credit to be processed after payment is received. If you have questions about the status of the credit please contact Accounting at: accounting@lsbio.com

Please feel free to contact me if I can assist with any questions.
Best regards,
Tina Roush

Technical support
LifeSpan BioSciences, Inc.

From: Hoau-Yan Wang [[mailto:\[REDACTED\]@gmail.com](mailto:[REDACTED]@gmail.com)]
Sent: Thursday, May 23, 2019 11:12 AM
To: LSBio Technical Support
Cc: Lindsay Burns; Hoau-Yan Wang
Subject: ordered a wrong kit

Dear technical support team,

We had ordered several ELISA kits from your company (#SO 234993). By mistake, I ordered a kit for detecting human anti-TNFalpha antibody (LS-F55832) instead of what I need: a kit for detecting human TNFalpha (LS-F9751).

I would like to ship back the LS-F55832 to exchange for LS-F9751. Can you please let me know how to proceed since your customer service directed me to you.

Thank you very much for your assistance

Best regards,

Hoau-Yan Wang

Hoau-Yan Wang, Ph.D.
Medical Professor
CUNY School of Medicine
CDI-3370
85 St. Nicholas Terrace, New York, NY 10027
Phone: 212-650-8813 (O), -6682 (Lab)
Email: hywang@med.cuny.edu; [\[REDACTED\]@gmail.com](mailto:[REDACTED]@gmail.com)

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This email has been scanned for spam and viruses by Proofpoint Essentials. Click [here](#) to report this email as spam.

From: LSBio Technical Support <technicalsupport@lsbio.com>
Sent time: 06/07/2020 02:01:50 PM
To: Lindsay Burns <lburns@cassavasciences.com>; Hoau-Yan Wang <[REDACTED]@gmail.com>
Cc: Hoau-yan Wang
Subject: [EXTERNAL] RE: ordered a wrong kit # 3367 LS-F55832

Hello Lindsay,

Good day. Thank you for your email.
I have forwarded your email onto our accounting group.
Please feel free to contact me if I can assist with additional questions.

Best regards,
Tina Roush
LifeSpan BioSciences, Inc.

From: Lindsay Burns <lburns@cassavasciences.com>
Sent: Sunday, June 7, 2020 7:46 AM
To: LSBio Technical Support <technicalsupport@lsbio.com>; 'Hoau-Yan Wang' <[REDACTED]@gmail.com>
Cc: Hoau-Yan Wang <hywang@med.cuny.edu>
Subject: Re: ordered a wrong kit # 3367 LS-F55832

Hello,

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Thank you!
Lindsay

From: LSBio Technical Support <technicalsupport@lsbio.com>
Sent: Wednesday, May 29, 2019 12:33:13 PM
To: Lindsay Burns; LSBio Technical Support; 'Hoau-Yan Wang'
Cc: Hoau-Yan Wang
Subject: RE: ordered a wrong kit # 3367 LS-F55832

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Tina

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Cc: Hoau-Yan Wang
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Best regards,
Lindsay

From: LSBio Technical Support <technicalsupport@lsbio.com>
Sent: Friday, May 24, 2019 10:55 AM
To: 'Hoau-Yan Wang' <[REDACTED]@gmail.com>
Cc: Lindsay Burns <lburns@cassavasciences.com>; Hoau-Yan Wang <hywang@med.cuny.edu>
Subject: RE: ordered a wrong kit # 3367 LS-F55832

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Please feel free to contact me if I can assist with any questions.

Best regards,

Tina Roush

Technical support

LifeSpan BioSciences, Inc.

From: Hoau-Yan Wang [[mailto:\[REDACTED\]@gmail.com](mailto:[REDACTED]@gmail.com)]

Sent: Thursday, May 23, 2019 11:12 AM

To: LSBio Technical Support

Cc: Lindsay Burns; Hoau-Yan Wang

Subject: ordered a wrong kit

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I would like to ship back the LS-F55832 to exchange for LS-F9751. Can you please let me know how to proceed since your customer service directed me to you.

Thank you very much for your assistance

Best regards,

Hoau-Yan Wang

Hoau-Yan Wang, Ph.D.

Medical Professor

CUNY School of Medicine

CDI-3370

85 St. Nicholas Terrace, New York, NY 10027

Phone: 212-650-8813 (O), -6682 (Lab)

Email: hywang@med.cuny.edu; [\[REDACTED\]@gmail.com](mailto:[REDACTED]@gmail.com)

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From: Qiang Xu <qxx07a@acu.edu>
Sent time: 06/07/2020 08:53:44 PM
To: Ben Thornton <gthornton@cassavasciences.com>; Hoau-Yan wang <[REDACTED]@gmail.com>; Hoau-yan Wang
Subject: [EXTERNAL] 20200607 Results
Attachments: 20200607 Western blot results.pptx

POL 87(2)(d)

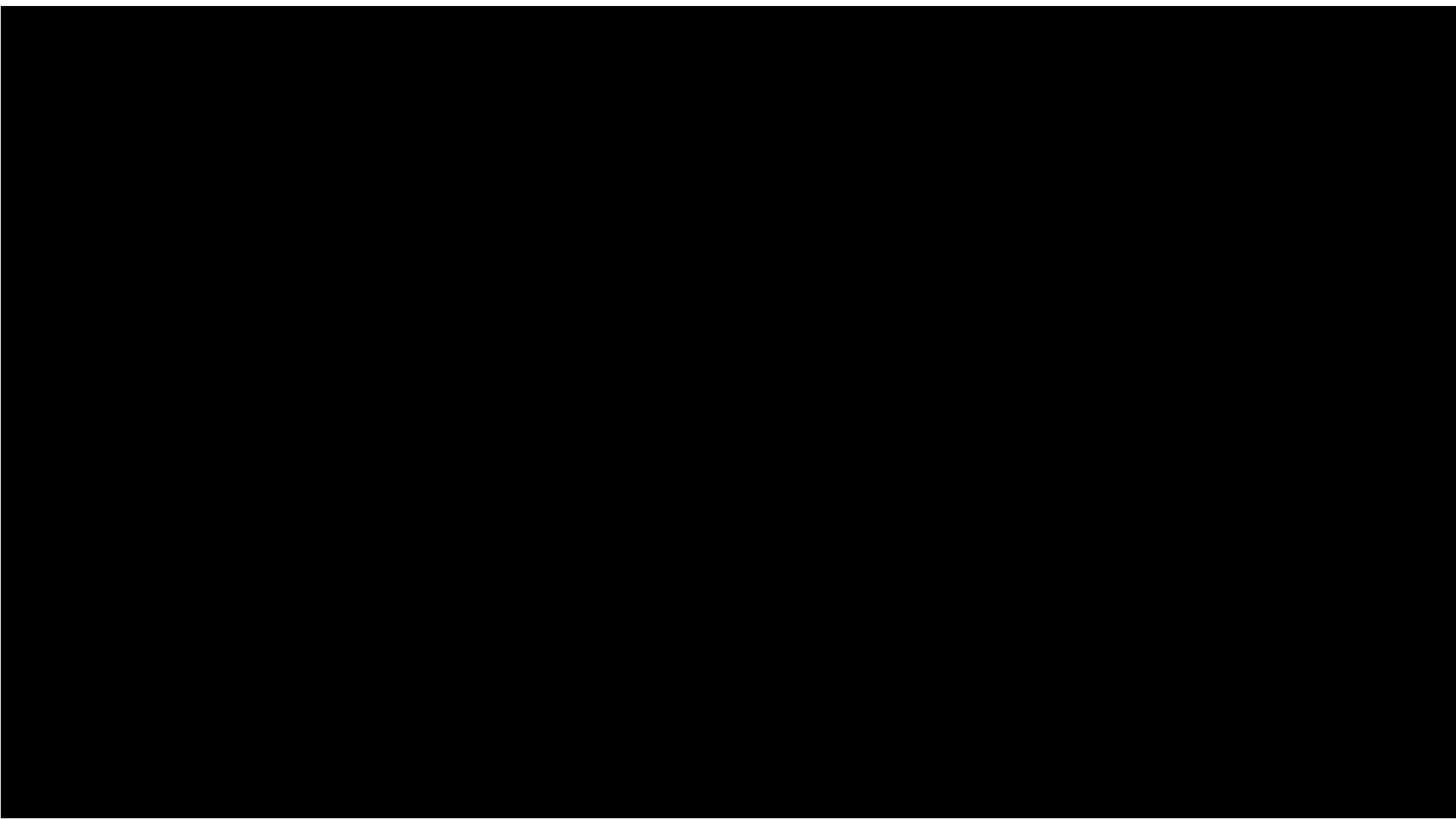
Hi Ben and Hoau,

Hope you and yours are well! [REDACTED]

Blessings,

--

Qiang (John) Xu, Ph.D.
Professor
Department of Biology
Abilene Christian University
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Abilene, Texas 79699-7868
325-674-4883
fax 325-674-2009
qxu@acu.edu



From: Ben Thornton <gthornton@cassavasciences.com>
Sent time: 06/07/2020 09:52:23 PM
To: qxx07a@acu.edu; Hoau-Yan wang <[REDACTED]@gmail.com>; Hoau-yan Wang
Subject: [EXTERNAL] Re: 20200607 Results

Hi John. Looks like we need to start at higher concentration. No? Thanks. Ben

Get [Outlook for iOS](#)

From: Qiang Xu <qxx07a@acu.edu>
Sent: Sunday, June 7, 2020 7:53 PM
To: Ben Thornton; Hoau-Yan wang; Hoau-Yan Wang
Subject: 20200607 Results

Hi Ben and Hoau,

Hope you and yours are well! Attached are today's results.

Blessings,

--

Qiang (John) Xu, Ph.D.
Professor
Department of Biology
Abilene Christian University
ACU Box 27868
Abilene, Texas 79699-7868
325-674-4883
fax 325-674-2009
qxu@acu.edu

From: Qiang Xu <qxx07a@acu.edu>
Sent time: 06/10/2020 10:31:07 AM
To: Hoau-Yan wang <[REDACTED]@gmail.com>; Hoau-yan Wang; Ben Thornton <gthornton@cassavasciences.com>
Subject: [EXTERNAL] Western blot conditions

Hi Hoau,

Hope you and yours are doing well! Ben and I plan to do some Western blot experiments to detect FLNA fragments using different antibodies. Could you give us some advice on the dilutions of primary and secondary antibodies?

1. Is it necessary to add 1% BSA to the dilution buffer?
2. PBS or PBST, which one would work better as the dilution buffer?

As always, I appreciate your help,

John

--

Qiang (John) Xu, Ph.D.
Professor
Department of Biology
Abilene Christian University
ACU Box 27868
Abilene, Texas 79699-7868
325-674-4883
fax 325-674-2009
qxu@acu.edu

From: Hoau-yan Wang
Sent time: 06/10/2020 10:43:09 AM
To: qxx07a@acu.edu; Hoau-Yan wang <[REDACTED]@gmail.com>; Ben Thornton <gthornton@cassavasciences.com>
Subject: Re: [EXTERNAL] Western blot conditions

Hi John,

For the first test, you don't need to add 1% BSA. Once you can detect the band reliably then add 0.1 -0.5% BSA (1% is too high). **The BSA you add must be IgG free.**

Use PBS instead of PBST because detergents especially Tween-20 is NOT always protein friendly.

Hopefully my recommendations help.

Thanks.

Best,

Hoau

From: Qiang Xu <qxx07a@acu.edu>
Sent: Wednesday, June 10, 2020 10:31 AM
To: Hoau-Yan wang; Hoau-yan Wang; Ben Thornton
Subject: [EXTERNAL] Western blot conditions

Hi Hoau,

Hope you and yours are doing well! Ben and I plan to do some Western blot experiments to detect FLNA fragments using different antibodies. Could you give us some advice on the dilutions of primary and secondary antibodies?

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As always, I appreciate your help,

John

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Qiang (John) Xu, Ph.D.
Professor
Department of Biology
Abilene Christian University
ACU Box 27868
Abilene, Texas 79699-7868
325-674-4883
fax 325-674-2009
qxu@acu.edu

From: Ben Thornton <gthornton@cassavasciences.com>
Sent time: 06/10/2020 10:46:53 AM
To: Hoau-yan Wang
Subject: Re: [EXTERNAL] Western blot conditions

Thanks Hoau,

If you have any time and can talk that would be great. I am not expecting time with you this week, at least.

Ben

From: Hoau-Yan Wang <hywang@med.cuny.edu>
Date: Wednesday, June 10, 2020 at 9:43 AM
To: "[REDACTED]@gmail.com" <[REDACTED]@gmail.com>, Ben Thornton <gthornton@cassavasciences.com>, Qiang Xu <qxx07a@acu.edu>
Subject: Re: [EXTERNAL] Western blot conditions

Hi John,

For the first test, you don't need to add 1% BSA. Once you can detect the band reliably then add 0.1 -0.5% BSA (1% is too high). **The BSA you add must be IgG free.**

Use PBS instead of PBST because detergents especially Tween-20 is NOT always protein friendly.

Hopefully my recommendations help.

Thanks.

Best,

Hoau

From: Qiang Xu <qxx07a@acu.edu>
Sent: Wednesday, June 10, 2020 10:31 AM
To: Hoau-Yan wang; Hoau-yan Wang; Ben Thornton
Subject: [EXTERNAL] Western blot conditions

Hi Hoau,

Hope you and yours are doing well! Ben and I plan to do some Western blot experiments to detect FLNA fragments using different antibodies. Could you give us some advice on the dilutions of primary and secondary antibodies?

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2. PBS or PBST, which one would work better as the dilution buffer?

As always, I appreciate your help,

John

--

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Professor
Department of Biology
Abilene Christian University
ACU Box 27868
Abilene, Texas 79699-7868
325-674-4883
fax 325-674-2009
qxu@acu.edu

From: Qiang Xu <qxx07a@acu.edu>
Sent time: 06/10/2020 10:47:40 AM
To: Hoau-yan Wang
Cc: Hoau-Yan wang <[REDACTED]@gmail.com>; Ben Thornton <gthornton@cassavasciences.com>
Subject: Re: [EXTERNAL] Western blot conditions

Thank you so much for your quick response, Hoau! This is very helpful!

On Wed, Jun 10, 2020 at 9:43 AM Hoau-yan Wang <hywang@med.cuny.edu> wrote:

Hi John,

For the first test, you don't need to add 1% BSA. Once you can detect the band reliably then add 0.1 -0.5% BSA (1% is too high). **The BSA you add must be IgG free.**

Use PBS instead of PBST because detergents especially Tween-20 is NOT always protein friendly.

Hopefully my recommendations help.

Thanks.

Best,

Hoau

From: Qiang Xu <qxx07a@acu.edu>
Sent: Wednesday, June 10, 2020 10:31 AM
To: Hoau-Yan wang; Hoau-yan Wang; Ben Thornton
Subject: [EXTERNAL] Western blot conditions

Hi Hoau,

Hope you and yours are doing well! Ben and I plan to do some Western blot experiments to detect FLNA fragments using different antibodies. Could you give us some advice on the dilutions of primary and secondary antibodies?

1. Is it necessary to add 1% BSA to the dilution buffer?
2. PBS or PBST, which one would work better as the dilution buffer?

As always, I appreciate your help,

John

--

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--

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Professor
Department of Biology
Abilene Christian University
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Abilene, Texas 79699-7868
325-674-4883
fax 325-674-2009
qxu@acu.edu

From: Ben Thornton <gthornton@cassavasciences.com>
Sent time: 06/10/2020 02:05:03 PM
To: Hoau-yan Wang; Ian Pike <ian.pike@proteomics.com>
Subject: [EXTERNAL] FW: Cassava Therapeutics - Impact from the Phase 2a study

POL 87(2)(d)

See below. I will set up a time with [REDACTED] next week. Ian, I will re-emphasize that [REDACTED] latest digital technology (little joke).

Best,

Ben

From: [REDACTED]
Date: Wednesday, June 10, 2020 at 1:00 PM
To: Ben Thornton <gthornton@cassavasciences.com>
Cc: [REDACTED]
Subject: RE: Cassava Therapeutics - Impact from the Phase 2a study

Dear Ben

Trust you are well. We are still working remotely.

Would some times next week work for you? While I happy to speak with you, I thought I would also provide you a update as I had mentioned mid Jun to get back to you.

Given the pandemic and the need for researchers to have remote monitoring tools, our teams efforts have been focussed on digital tools and proposals related to that. Hence, I will confess that we haven't had the chance to discuss your project as I'd originally mentioned (mid Jun). As I'm surveying our work in the digital area, it is unlikely that we will get to discuss your project until at least early next month.

Do let me know some times next week that work for you and I can check times with the DxA team and set up a call.

Regards
[REDACTED]

From: Ben Thornton <gthornton@cassavasciences.com>
Sent: Wednesday, June 10, 2020 10:51 AM
To: [REDACTED]

Hi Shobha,

I hope you are well. Are your offices opening back up?

Would you have any time for a brief call this week?

Thanks,

Ben

From: "Purushothama, Shobha" <SPurushothama@alzdiscovery.org>
Date: Wednesday, May 20, 2020 at 9:39 AM
To: Ben Thornton <gthornton@cassavasciences.com>
Cc: "Bjorklund, Nicole" <nbjorklund@alzdiscovery.org>, Kristina Malzbender <Kristina.Malzbender@gatesventures.com>
Subject: RE: Cassava Therapeutics - Impact from the Phase 2a study

Dear Ben

Trust this note finds you well.

I'm writing to enquire if the recent news from your phase 2 trial will have an impact on the development of the complementary diagnostic?

<https://www.cassavasciences.com/news-releases/news-release-details/top-line-results-phase-2b-study-pti-125-alzheimers-disease-does>

Do let us know.

Regards
Shobha

From: [REDACTED] PM

To: Ben Thornton <gthornton@cassavasciences.com>

Cc: [REDACTED]

POL 87(2)(d)

Subject: Cassava Therapeutics - Proposal Review

Dear Ben

Thank you for your submission to the Diagnostics accelerator. I'm attaching your proposal reviews for you information and I'd be happy to discuss these in detail with you, if desired.

In terms of next steps:

The reviews/proposal will be discussed in depth within our team to gauge fit to the accelerator mission and vis-à-vis our existing portfolio.

We anticipate completing this discussion by the end of May/early Jun after which we will get back to you with next steps.

In the meantime if you have questions, please do let me know.

Regards

[REDACTED]

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This e-mail is intended only for the addressee(s) and may contain confidential information. If you are not the intended recipient, you are hereby notified that the use of this information or dissemination, distribution or copying of this e-mail is strictly prohibited. If you have received this e-mail in error, please notify the sender immediately by return e-mail and delete the original message. Thank you.

From: Qiang Xu <qxx07a@acu.edu>
Sent time: 06/14/2020 06:33:08 PM
To: Ben Thornton <gthornton@cassavasciences.com>; Hoau-Yan wang <[REDACTED]@gmail.com>; Hoau-yan Wang
Subject: [EXTERNAL] 20200614 [REDACTED]
[REDACTED] [REDACTED].pptx

POL 87(2)(d)

Hi Ben and Hoau,

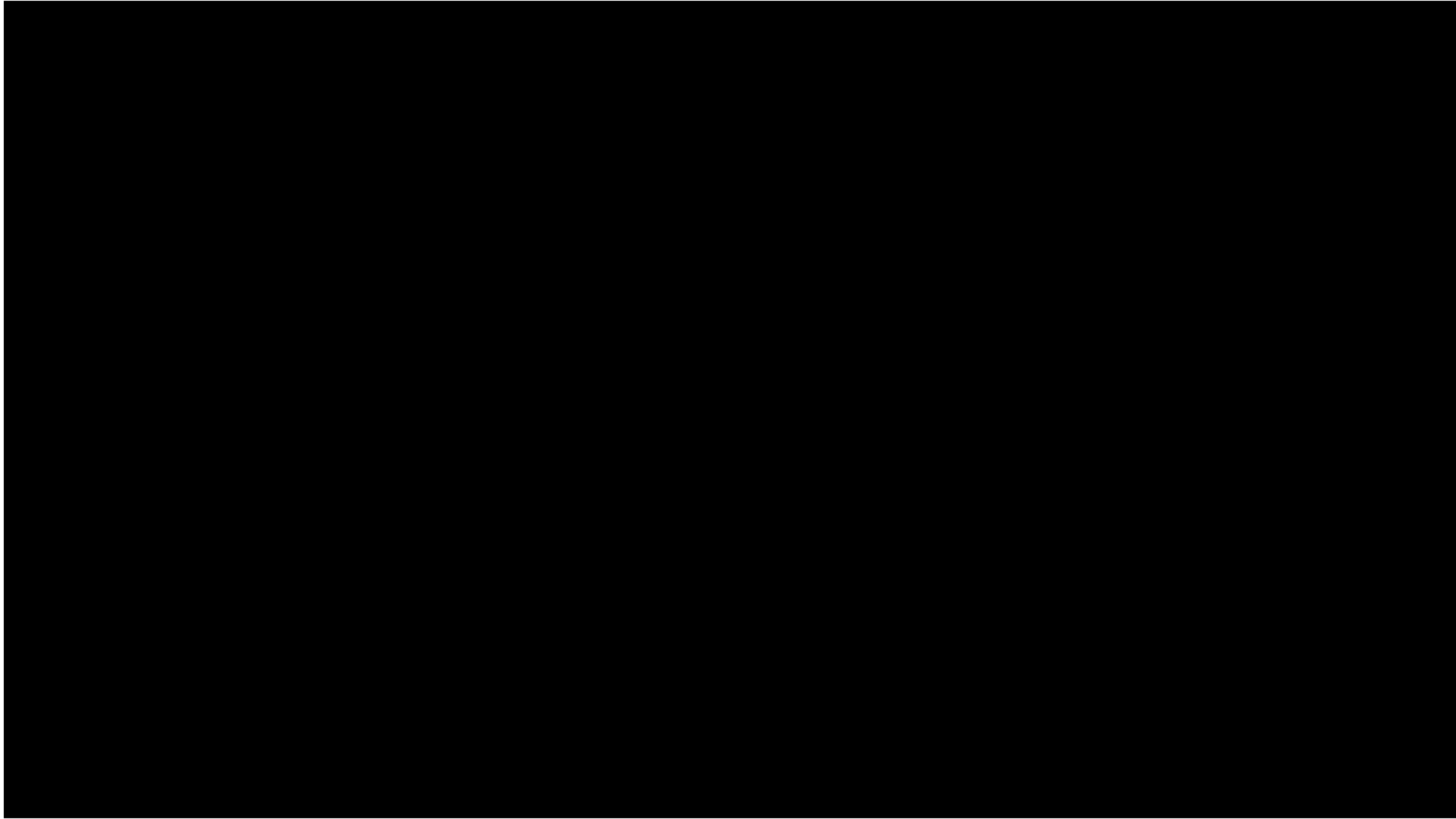
Hope you are well! [REDACTED]

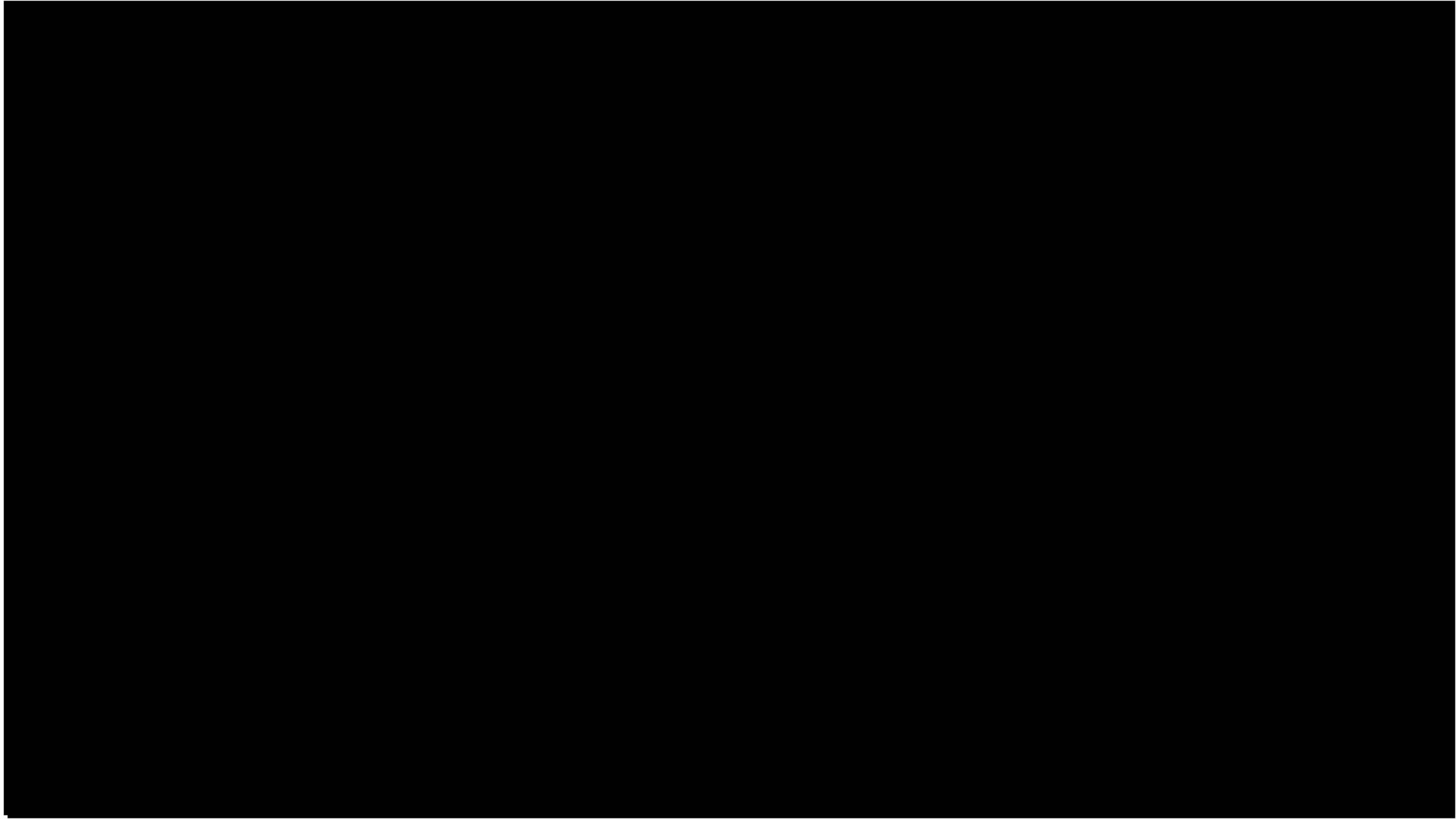
Have a blessed week,

John

--

Qiang (John) Xu, Ph.D.
Professor
Department of Biology
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From: Qiang Xu <qxx07a@acu.edu>
Sent time: 06/21/2020 06:43:31 PM
To: Ben Thornton <gthornton@cassavasciences.com>; Hoau-Yan wang <[REDACTED]@gmail.com>; Hoau-yan Wang
Subject: [EXTERNAL] 20200621 results
Attachments: 20200621 [REDACTED]

POL 87(2)(d)

Hi Ben and Hoau,

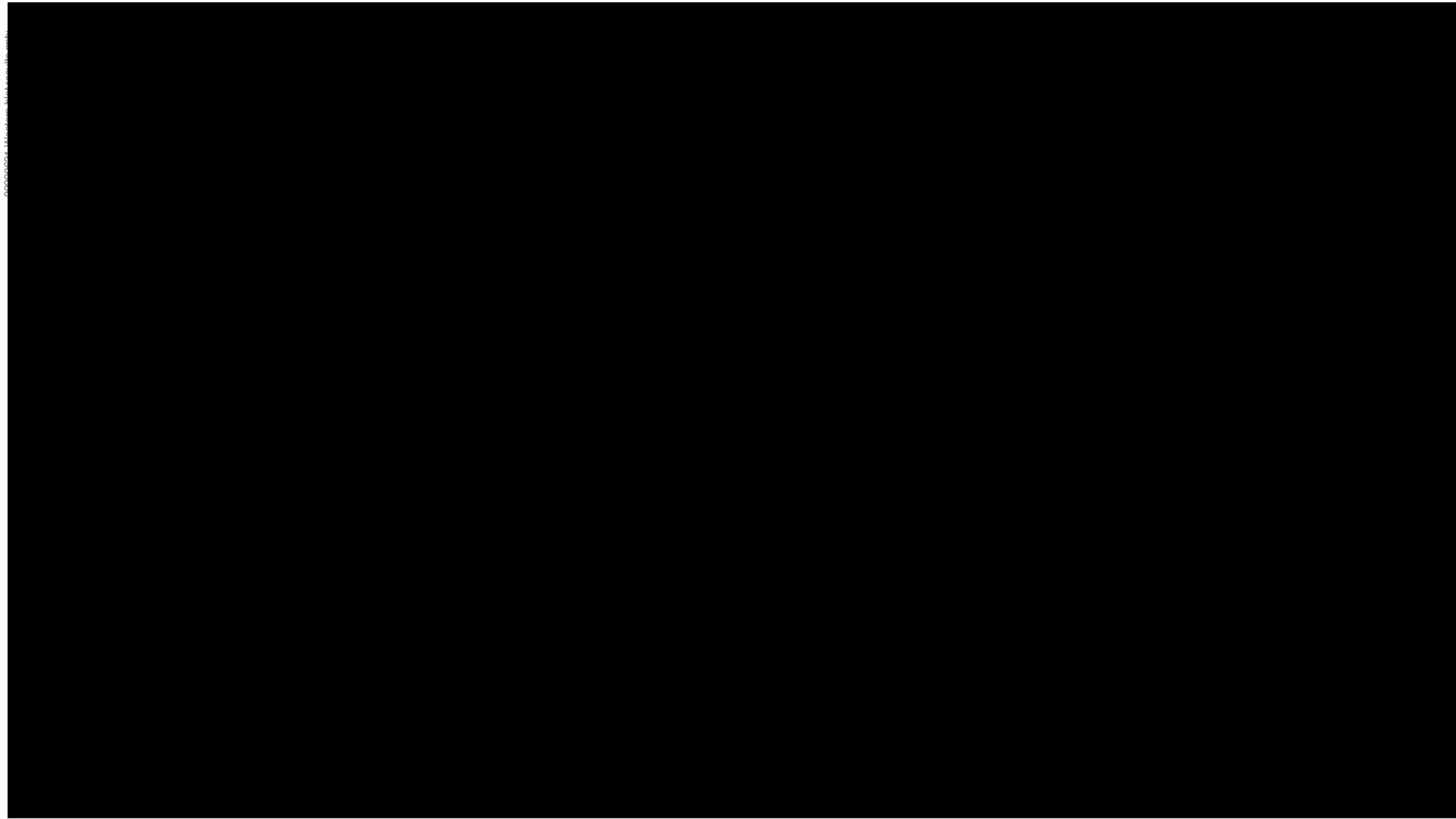
Hope you and yours are well! [REDACTED] Ben, when you have time, could you send me the shipping label? I plan to send materials out to Hoau tomorrow morning.

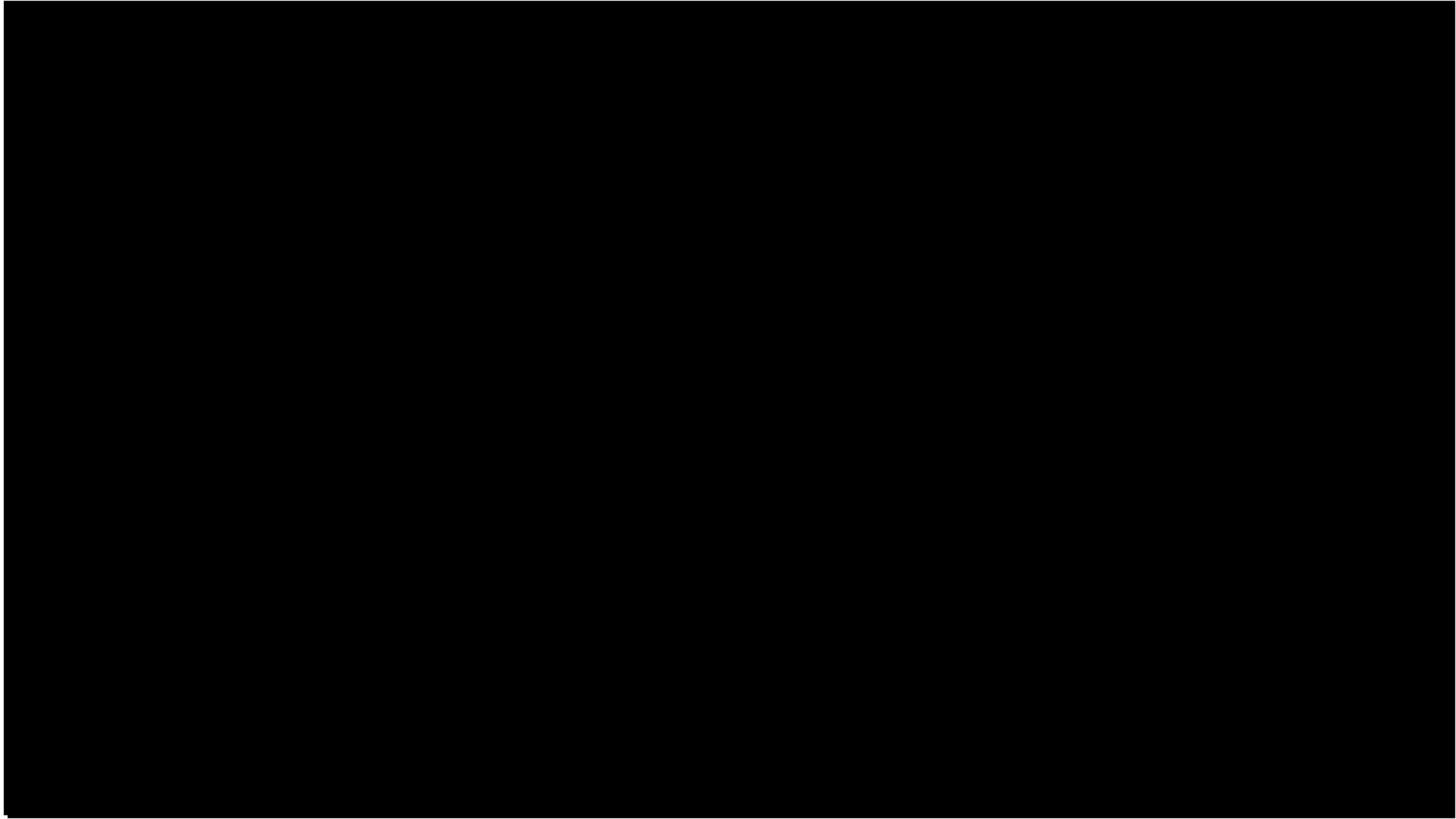
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From: Qiang Xu <qxx07a@acu.edu>
Sent time: 06/28/2020 06:41:30 PM
To: Ben Thornton <gthornton@cassavasciences.com>; Hoau-Yan wang <[REDACTED]@gmail.com>; Hoau-yan Wang
Subject: [EXTERNAL] 20200628 results
Attachments: 20200628 [REDACTED]

POL 87(2)(d)

Hi Ben and Hoau,

Hope you are well! [REDACTED]

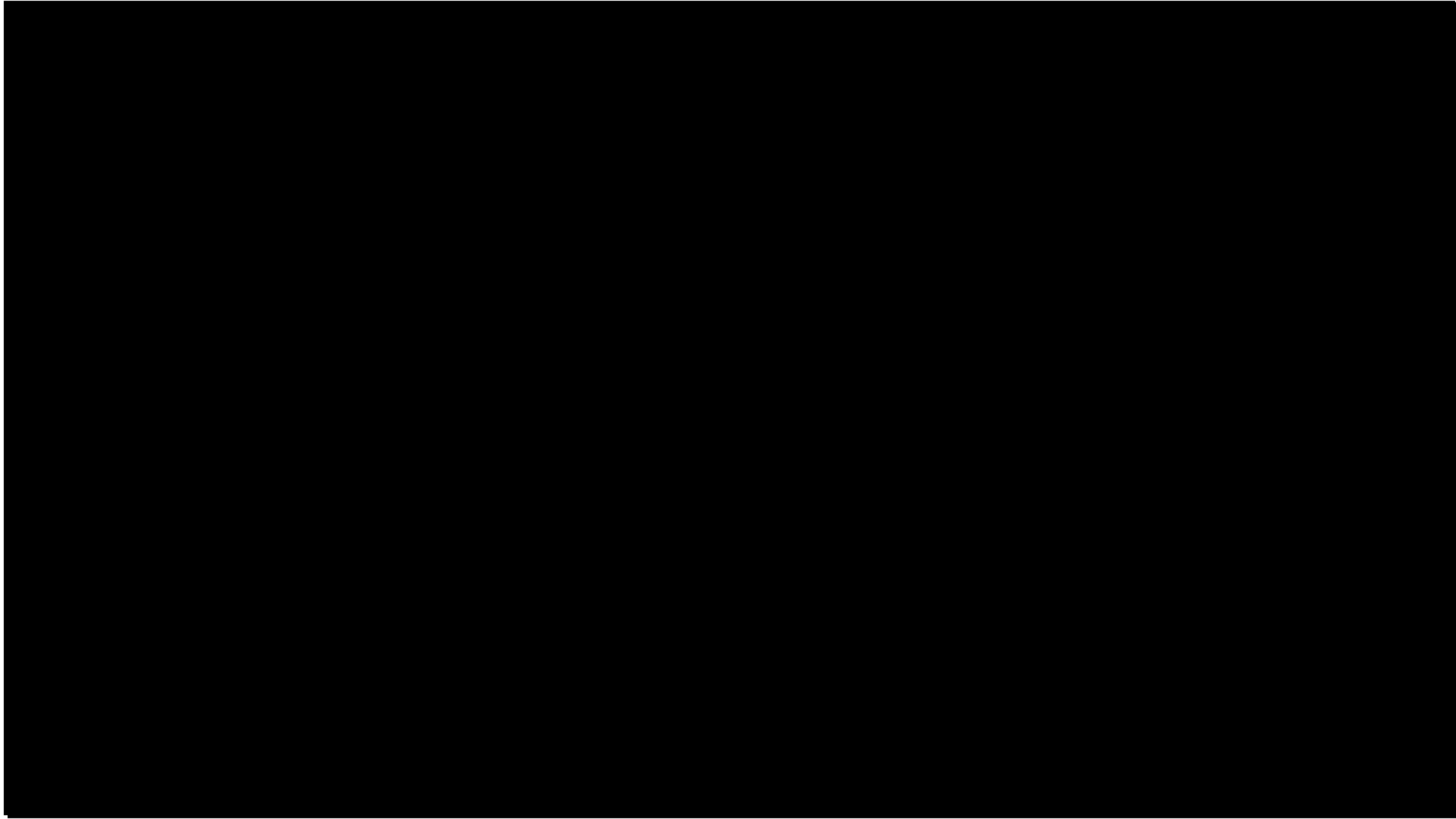
Blessings,

John

--

Qiang (John) Xu, Ph.D.
Professor
Department of Biology
Abilene Christian University
ACU Box 27868
Abilene, Texas 79699-7868
325-674-4883
fax 325-674-2009
qxu@acu.edu





From: era-notify@mail.nih.gov
Sent time: 06/29/2020 06:58:07 PM
To: gthornton@cassavasciences.com; lburns@cassavasciences.com; lburns@cassavasciences.com; lburns@cassavasciences.com; Hoau-yan Wang
Subject: [EXTERNAL] GRANT13154950/Thornton, George: Check Assembled Application in eRA Commons

NIH has received the grant application titled Development of PTI-125-DX, a blood-based diagnostic for Alzheimer's disease for PI Thornton, George with Grants.gov Tracking # GRANT13154950 and has placed the assembled application in the eRA Commons for your review.

Next steps:

1. View your assembled application image in eRA Commons ([PI instructions](#), [AOR/SO instructions](#)).

You have a two business day [application viewing window](#) to check your application for assembly issues before it automatically moves forward to NIH staff for further processing and consideration. This window does not extend the submission deadline.

Changed/corrected applications overwrite previous submissions and if submitted AFTER the submission deadline will be subject to the NIH Late Policy and may not be accepted.

2. Determine if changes are needed.

It is your responsibility to view the entire assembled application in eRA Commons and notify the [eRA Service Desk](#) within this window if the assembled application does not correctly reflect information submitted to Grants.gov (e.g., submitted information is missing in image, graph/chart appears upside-down). The SO and the PD/PI should check that the entries for Departments and Divisions on the SF424 cover page correspond to Departments and Divisions in your organization's hierarchy in eRA Commons.

- Everything looks good: No additional action needed.
- Changes needed/desired: If **before the due date and within the viewing window**, a signing official (SO) can [reject the application](#) and [submit a changed/corrected application](#).

From: Qiang Xu <qxx07a@acu.edu>

Sent time: 07/05/2020 06:50:09 PM

To: Ben Thornton <gthornton@cassavasciences.com>; Hoau-Yan wang <[REDACTED]@gmail.com>; Hoau-yan Wang

Subject: [EXTERNAL] 20200705 results

Attachments: [REDACTED]

POL 87(2)(d)

Hi Ben and Hoau,

Hope you are having a good holiday break! [REDACTED]

Have a blessed week,

John

--

Qiang (John) Xu, Ph.D.

Professor

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Abilene Christian University

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qxu@acu.edu





From: Hoau-Yan Wang <[REDACTED]@gmail.com>
Sent time: 07/05/2020 07:46:01 PM
To: qxx07a@acu.edu
Cc: Ben Thornton <gthornton@cassavasciences.com>; Hoau-yan Wang
Subject: [EXTERNAL] Re: [REDACTED]

POL 87(2)(d)

Thanks John. [REDACTED]

ThAnks again.

Best,

Hoau

Sent from my iPad

On Jul 5, 2020, at 6:50 PM, Qiang Xu <qxx07a@acu.edu> wrote:

Hi Ben and Hoau,

Hope you are having a good holiday break! Attached are today's results.

Have a blessed week,

John

--

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qxu@acu.edu

<20200705 Western blot results.pptx>

From: Qiang Xu <qxx07a@acu.edu>
Sent time: 07/05/2020 11:17:49 PM
To: Hoau-Yan Wang <[REDACTED]@gmail.com>
Cc: Ben Thornton <gthornton@cassavasciences.com>; Hoau-yan Wang
Subject: [EXTERNAL] Re: [REDACTED]

POL 87(2)(d)

On Sun, Jul 5, 2020 at 6:46 PM Hoau-Yan Wang <[REDACTED]@gmail.com> wrote:

Thanks John. [REDACTED]

ThAnks again.

Best,

Hoau

Sent from my iPad

On Jul 5, 2020, at 6:50 PM, Qiang Xu <qxx07a@acu.edu> wrote:

Hi Ben and Hoau,

Hope you are having a good holiday break! [REDACTED]

Have a blessed week,

John

--

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<20200705 Western blot results.pptx>

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qxu@acu.edu

From: Qiang Xu <qxx07a@acu.edu>
Sent time: 07/09/2020 11:27:10 AM
To: Ben Thornton <gthornton@cassavasciences.com>; Hoau-Yan wang <[REDACTED]@gmail.com>; Hoau-yan Wang
Subject: [EXTERNAL] Western protocol
Attachments: WB Protocol V1 (08July20).docx

POL 87(2)(d)

Good morning, Ben and Hoau,

Hope you are doing well! I [REDACTED] Attached is the protocol I plan to follow. When you have time, could you take a look at it and give me some advice?

Blessings,

John

--

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325-674-4883
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qxu@acu.edu

[REDACTED]

[REDACTED]

From: Hoau-yan Wang
Sent time: 07/09/2020 01:15:37 PM
To: qxx07a@acu.edu; Ben Thornton <gthornton@cassavasciences.com>; Hoau-Yan wang <[REDACTED]@gmail.com>
Subject: Re: [EXTERNAL] [REDACTED]
[REDACTED] [REDACTED]

POL 87(2)(d)

Here is with my suggested changes.

Thanks.

Hoau

From: Qiang Xu <qxx07a@acu.edu>
Sent: Thursday, July 9, 2020 11:27 AM
To: Ben Thornton; Hoau-Yan wang; Hoau-yan Wang
Subject: [EXTERNAL] Western protocol

POL 87(2)(d)

Good morning, Ben and Hoau,

Hope you are doing well! [REDACTED]

[REDACTED] When you have time, could you take a look at it and give me some advice?

Blessings,

John

--

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qxu@acu.edu

[illegible]

From: Qiang Xu <qxx07a@acu.edu>
Sent time: 07/09/2020 01:34:32 PM
To: Hoau-yan Wang
Cc: Ben Thornton <gthornton@cassavasciences.com>; Hoau-Yan wang <[REDACTED]@gmail.com>
Subject: Re: [REDACTED]

POL 87(2)(d)

Thank you so much for your quick response, Hoau! As always, I really appreciate your help on this!

On Thu, Jul 9, 2020 at 12:15 PM Hoau-yan Wang <hywang@med.cuny.edu> wrote:

Here is with my suggested changes.

Thanks.

Hoau

From: Qiang Xu <qxx07a@acu.edu>
Sent: Thursday, July 9, 2020 11:27 AM
To: Ben Thornton; Hoau-Yan wang; Hoau-yan Wang
Subject: [EXTERNAL] [REDACTED]

Good morning, Ben and Hoau,

Hope you are doing well! [REDACTED] is the protocol I plan to follow. When you have time, could you take a look at it and give me some advice?

Blessings,

John

--

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qxu@acu.edu

From: Qiang Xu <qxx07a@acu.edu>
Sent time: 07/09/2020 08:50:36 PM
To: Hoau-yan Wang
Cc: Ben Thornton <gthornton@cassavasciences.com>; Hoau-Yan wang <[REDACTED]@gmail.com>
Subject: [EXTERNAL] Re: [REDACTED]

POL 87(2)(d)

Hi Hoau and Ben,

I forgot to specify the antibodies I plan to use for the upcoming Western experiments. I would like to do four blots this time.

[REDACTED]

[REDACTED]

When you have a moment, could you take a look at this and let me know if this is a good plan?

Many blessings,

John

On Thu, Jul 9, 2020 at 12:34 PM Qiang Xu <qxx07a@acu.edu> wrote:

Thank you so much for your quick response, Hoau! As always, I really appreciate your help on this!

On Thu, Jul 9, 2020 at 12:15 PM Hoau-yan Wang <hywang@med.cuny.edu> wrote:

Here is with my suggested changes.

Thanks.

Hoau

From: Qiang Xu <qxx07a@acu.edu>
Sent: Thursday, July 9, 2020 11:27 AM
To: Ben Thornton; Hoau-Yan wang; Hoau-yan Wang
Subject: [EXTERNAL] Western protocol

Good morning, Ben and Hoau,

Hope you are doing well! [REDACTED]

[REDACTED] When you have time, could you take a look at it and give me some advice?

Blessings,

John

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qxu@acu.edu

From: Hoau-Yan wang <[REDACTED]@gmail.com>
Sent time: 07/09/2020 10:07:07 PM
To: qxx07a@acu.edu
Cc: Hoau-yan Wang; Ben Thornton <gthornton@cassavasciences.com>
Subject: [EXTERNAL] [REDACTED]

POL 87(2)(d)

Sounds fine with me.

Thanks.

Hoau

Sent from my iPhone

On Jul 9, 2020, at 8:50 PM, Qiang Xu <qxx07a@acu.edu> wrote:

Hi Hoau and Ben,

I forgot to [REDACTED]
[REDACTED]

[REDACTED]
[REDACTED]

[REDACTED]
[REDACTED]

When you have a moment, could you take a look at this and let me know if this is a good plan?

Many blessings,

John

On Thu, Jul 9, 2020 at 12:34 PM Qiang Xu <qxx07a@acu.edu> wrote:

Thank you so much for your quick response, Hoau! As always, I really appreciate your help on this!

On Thu, Jul 9, 2020 at 12:15 PM Hoau-yan Wang <hywang@med.cuny.edu> wrote:

Here is with my suggested changes.

Thanks.

Hoau

From: Qiang Xu <qxx07a@acu.edu>
Sent: Thursday, July 9, 2020 11:27 AM
To: Ben Thornton; Hoau-Yan wang; Hoau-yan Wang
Subject: [EXTERNAL] Western protocol

Good morning, Ben and Hoau,

Hope you are doing well!

I plan to follow. When you have time, could you take a look at it and give me some advice?

Blessings,

John

--

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qxu@acu.edu

From: Qiang Xu <qxx07a@acu.edu>
Sent time: 07/09/2020 11:07:52 PM
To: Hoau-Yan wang <[REDACTED]@gmail.com>
Cc: Hoau-yan Wang; Ben Thornton <gthornton@cassavasciences.com>
Subject: [EXTERNAL] [REDACTED]

POL 87(2)(d)

Hi Hoau,

Thank you for your quick reply! May I ask you one more question? [REDACTED]

Blessings,

John

On Thu, Jul 9, 2020 at 9:07 PM Hoau-Yan wang <[REDACTED]@gmail.com> wrote:
Sounds fine with me.

Thanks.

Hoau

Sent from my iPhone

On Jul 9, 2020, at 8:50 PM, Qiang Xu <qxx07a@acu.edu> wrote:

Hi Hoau and Ben,

I forgot to [REDACTED]

When you have a moment, could you take a look at this and let me know if this is a good plan?

Many blessings,

John

On Thu, Jul 9, 2020 at 12:34 PM Qiang Xu <qxx07a@acu.edu> wrote:

Thank you so much for your quick response, Hoau! As always, I really appreciate your help on this!

On Thu, Jul 9, 2020 at 12:15 PM Hoau-yan Wang <hywang@med.cuny.edu> wrote:

Here is with my suggested changes.

Thanks.

Hoau

From: Qiang Xu <qxx07a@acu.edu>
Sent: Thursday, July 9, 2020 11:27 AM
To: Ben Thornton; Hoau-Yan wang; Hoau-yan Wang
Subject: [EXTERNAL] Western protocol

Good morning, Ben and Hoau,

Hope you are doing well! I will conduct Western blots using chemiluminescent detection soon. Attached is the protocol I plan to follow. When you have time, could you take a look at it and give me some advice?

Blessings,

John

--

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325-674-4883
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qxu@acu.edu

From: Hoau-Yan Wang <[REDACTED]@gmail.com>
Sent time: 07/10/2020 10:49:55 AM
To: qxx07a@acu.edu
Cc: Hoau-yan Wang; Ben Thornton <gthornton@cassavasciences.com>
Subject: [EXTERNAL] Re: [REDACTED]

POL 87(2)(d)

Hi John,

[REDACTED]
[REDACTED]
[REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]

[REDACTED]
[REDACTED]

I hope I have answered your questions.

Best,

Hoau

Sent from my iPad

On Jul 9, 2020, at 11:07 PM, Qiang Xu <qxx07a@acu.edu> wrote:

Hi Hoau,

Thank you for your quick reply!

[REDACTED]
[REDACTED]
[REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]

Blessings,

John

On Thu, Jul 9, 2020 at 9:07 PM Hoau-Yan wang <[REDACTED]@gmail.com> wrote:
Sounds fine with me.

Thanks.

Hoau

Sent from my iPhone

On Jul 9, 2020, at 8:50 PM, Qiang Xu <qxx07a@acu.edu> wrote:

Hi Hoau and Ben,

I [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

When you have a moment, could you take a look at this and let me know if this is a good plan?

Many blessings,

John

On Thu, Jul 9, 2020 at 12:34 PM Qiang Xu <qxx07a@acu.edu> wrote:

Thank you so much for your quick response, Hoau! As always, I really appreciate your help on this!

On Thu, Jul 9, 2020 at 12:15 PM Hoau-yan Wang <hywang@med.cuny.edu> wrote:

Here is with my suggested changes.

Thanks.

Hoau

From: Qiang Xu <qxx07a@acu.edu>
Sent: Thursday, July 9, 2020 11:27 AM
To: Ben Thornton; Hoau-Yan wang; Hoau-yan Wang
Subject: [EXTERNAL] Western protocol

Good morning, Ben and Hoau,

Hope you are doing well! [REDACTED]
[REDACTED]

Blessings,

John

--

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325-674-4883
fax 325-674-2009
qxu@acu.edu

From: Qiang Xu <qxx07a@acu.edu>
Sent time: 07/10/2020 11:44:02 AM
To: Hoau-Yan Wang <[REDACTED]@gmail.com>
Cc: Hoau-yan Wang; Ben Thornton <gthornton@cassavasciences.com>
Subject: [EXTERNAL] Re: Western protocol/ antibody use

POL 87(2)(d)

Hi Hoau.

Thank you so much for the detailed explanation! This makes more sense to me now.

Also, [REDACTED]
[REDACTED]

Blessings,

John

On Fri, Jul 10, 2020 at 9:49 AM Hoau-Yan Wang <[REDACTED]@gmail.com> wrote:

Hi John,

A [REDACTED]
[REDACTED]
[REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]

[REDACTED]
[REDACTED]

I hope I have answered your questions.

Best,

Hoau

Sent from my iPad

On Jul 9, 2020, at 11:07 PM, Qiang Xu <qxx07a@acu.edu> wrote:

Hi Hoau,

Thank you for your quick reply! [REDACTED]
[REDACTED]
[REDACTED]

Blessings,

John

On Thu, Jul 9, 2020 at 9:07 PM Hoau-Yan wang <[REDACTED]@gmail.com> wrote:

Sounds fine with me.

Thanks.

Hoau

POL 87(2)(d)

Sent from my iPhone

On Jul 9, 2020, at 8:50 PM, Qiang Xu <qxx07a@acu.edu> wrote:

Hi Hoau and Ben,

I forgot to specify the antibodies I plan to use for the upcoming Western experiments. I would like to do four blots this time.

[REDACTED]

[REDACTED]

When you have a moment, could you take a look at this and let me know if this is a good plan?

Many blessings,

John

On Thu, Jul 9, 2020 at 12:34 PM Qiang Xu <qxx07a@acu.edu> wrote:

Thank you so much for your quick response, Hoau! As always, I really appreciate your help on this!

On Thu, Jul 9, 2020 at 12:15 PM Hoau-yan Wang <hywang@med.cuny.edu> wrote:

Here is with my suggested changes.

Thanks.

Hoau

From: Qiang Xu <qxx07a@acu.edu>

Sent: Thursday, July 9, 2020 11:27 AM

To: Ben Thornton; Hoau-Yan wang; Hoau-yan Wang

Subject: [EXTERNAL] Western protocol

Good morning, Ben and Hoau,

Hope you are doing well!

[REDACTED] When you have time,
could you take a look at it and give me some advice?

Blessings,

John

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qxu@acu.edu

From: Qiang Xu <qxx07a@acu.edu>

Sent time: 07/16/2020 06:10:49 PM

To: Hoau-Yan wang <[REDACTED]@gmail.com>; Ben Thornton <gthornton@cassavasciences.com>; Hoau-yan Wang

Subject: [EXTERNAL] Exposure time

POL 87(2)(d)

Hi Hoau,

Hope you and yours are doing well! I [REDACTED]
[REDACTED]

Thanks and blessings,

John

--

Qiang (John) Xu, Ph.D.

Professor

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qxu@acu.edu

From: Qiang Xu <qxx07a@acu.edu>
Sent time: 07/18/2020 06:17:53 PM
To: Ben Thornton <gthornton@cassavasciences.com>; Hoau-Yan wang <[REDACTED]@gmail.com>; Hoau-yan Wang
Subject: [EXTERNAL] 20200718 Results
Attachments: [REDACTED]

Hi Ben and Hoau,

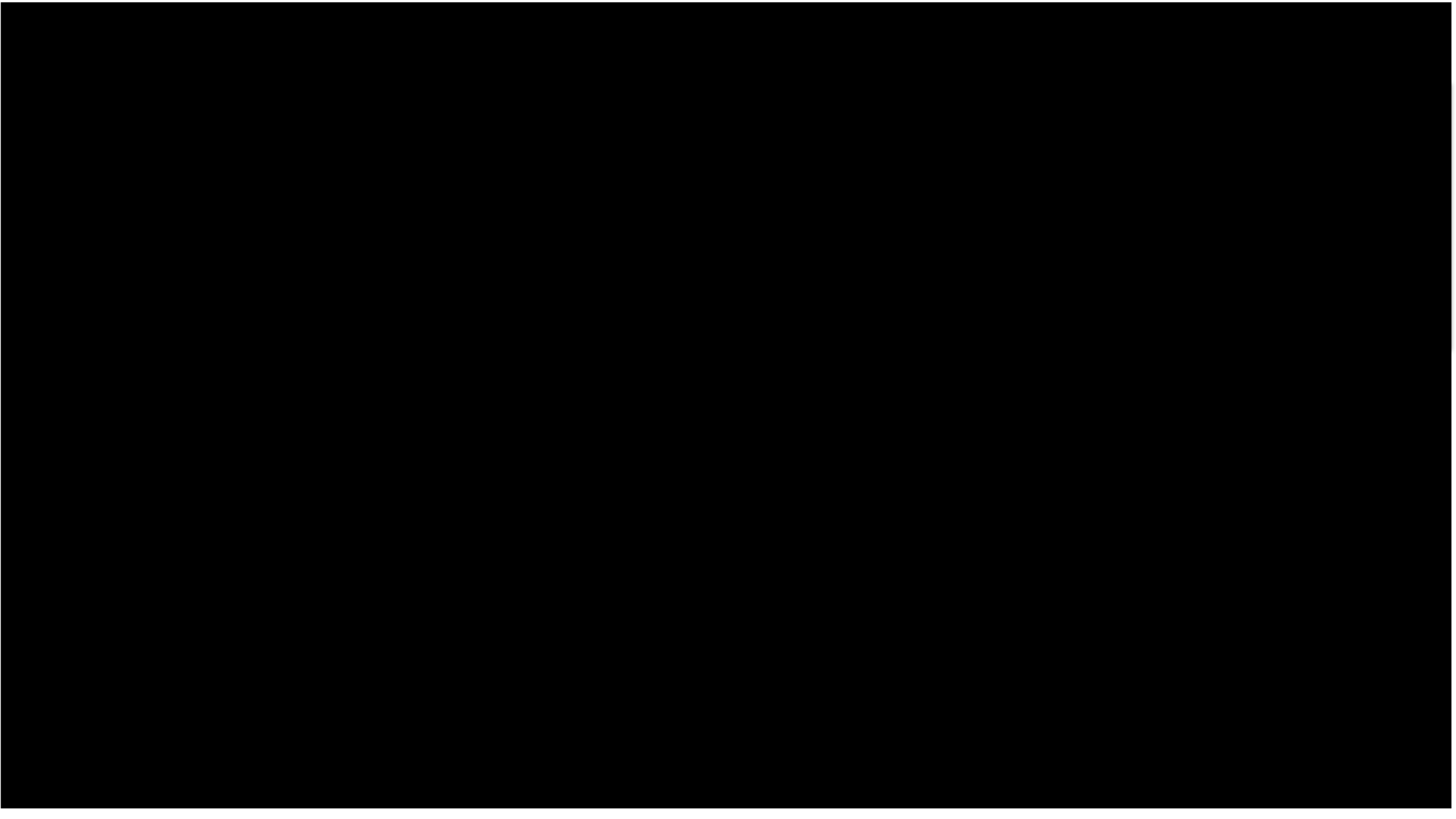
Hope you both are well! [REDACTED]

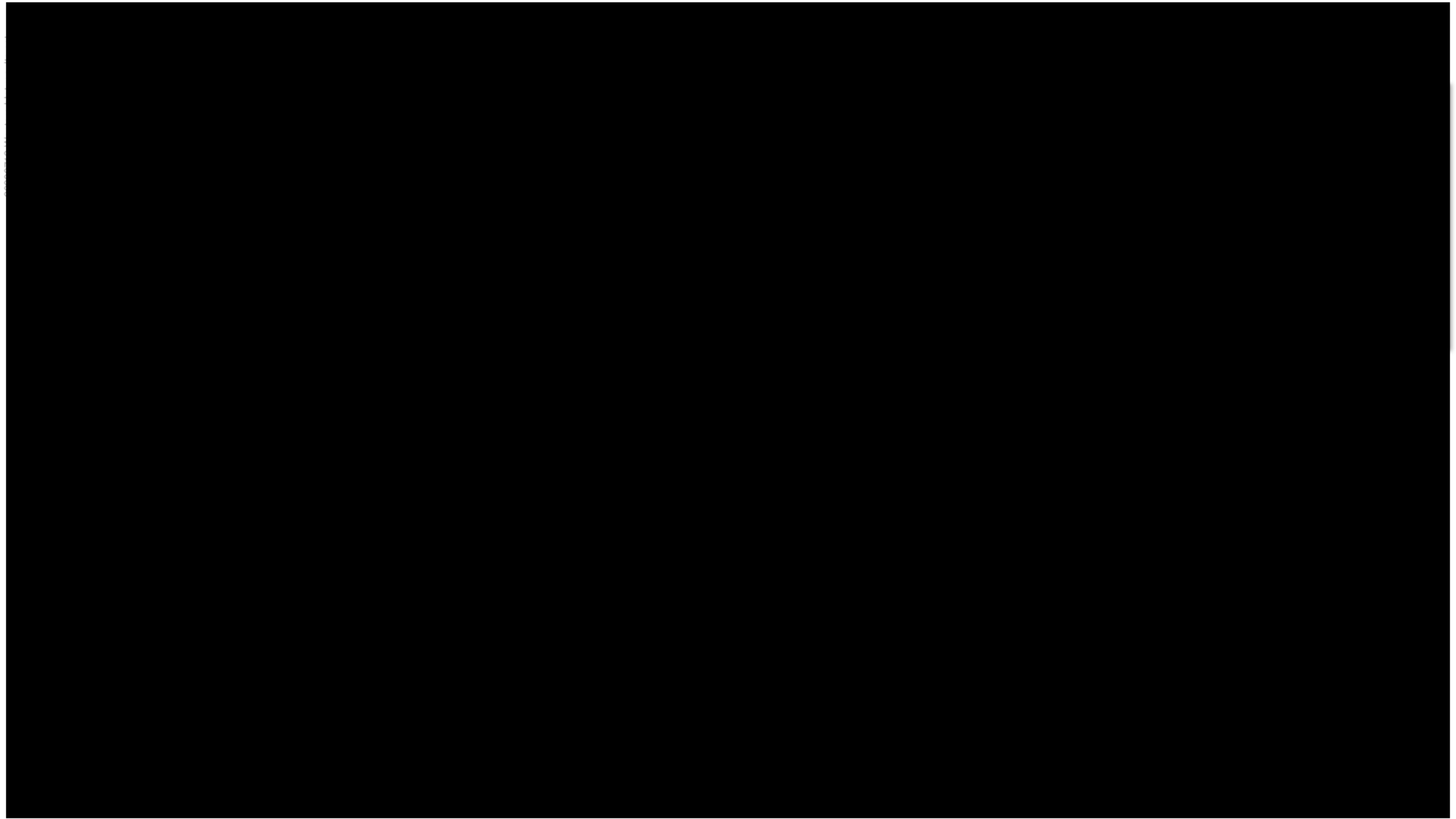
POL 87(2)(d)

Blessings,

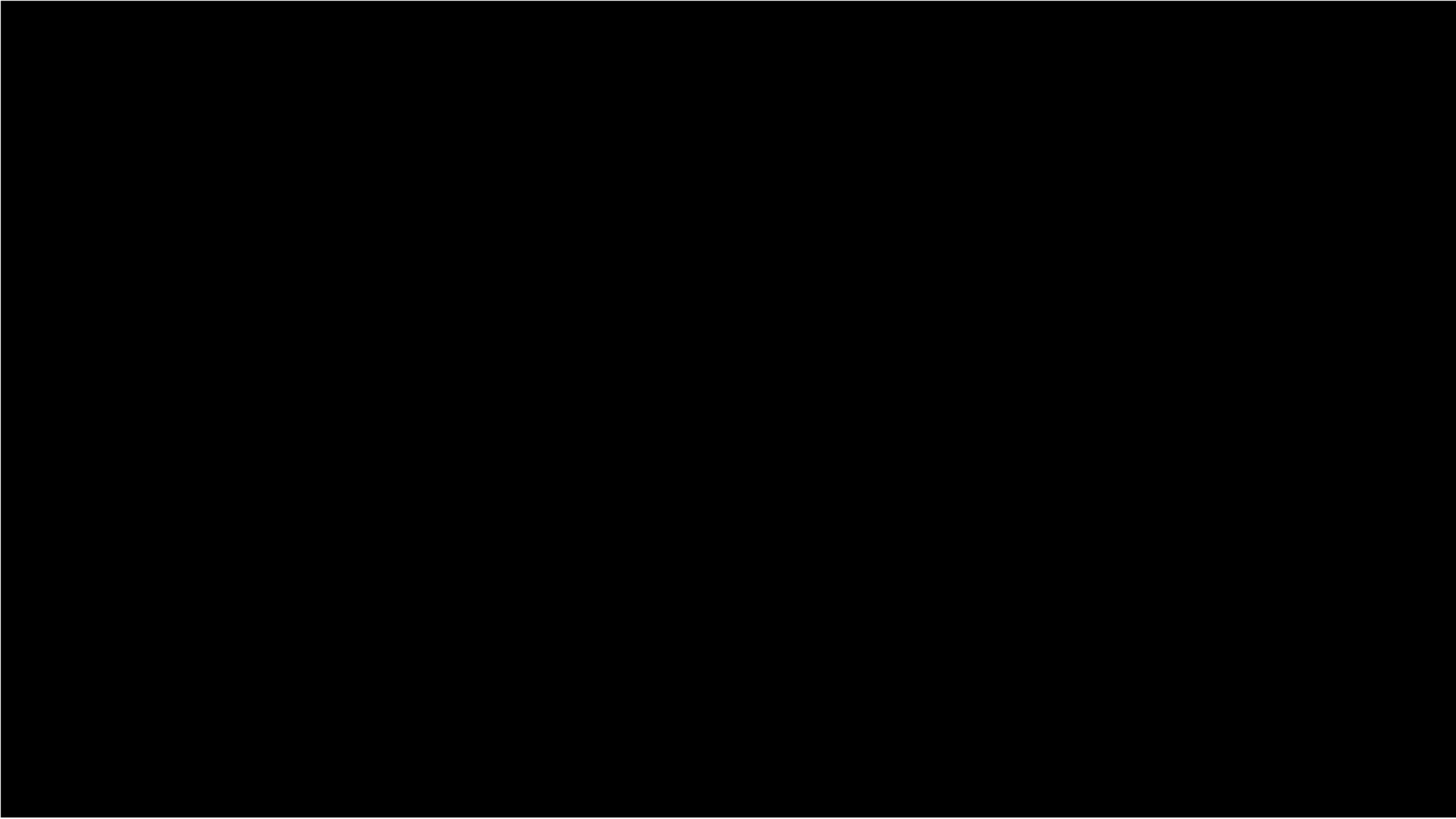
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325-674-4883
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qxu@acu.edu









From: Hoau-yan Wang
Sent time: 07/20/2020 05:23:43 PM
To: Li, Yan <Yan_Bing_Li@rfcuny.org>
Cc: Ruth Araya <raraya@cassavasciences.com>
Subject: Re: Q2 2020 CUNY Expenses

Dear Ruth and Yan,

Indeed, there were a lot of activities for the last few weeks. We used the kits purchased previously and the kits purchased by Cassava (Lindsay). There is one set of kits we purchased most recently that will use the clinical trial grant (next cycle). We will use the clinical trial grant to purchase few more items soon as our lab activities start to increase that should be in next cycle.

Thanks.

Best,

Hoau-Yan Wang.

From: Li, Yan <Yan_Bing_Li@rfcuny.org>
Sent: Monday, July 20, 2020 11:00 AM
To: Hoau-yan Wang
Subject: [EXTERNAL] FW: Q2 2020 CUNY Expenses

Dr. Wang,
Would you mind contacting Ruth? See chain below. This was back in early July & I had completed forgotten to send you an e-mail. So sorry.
Yan

Yan Bing Li
Project Administrator
Grants & Contracts
212-417-8473
Yan_Bing_Li@rfcuny.org

From: Ruth Araya <raraya@cassavasciences.com>
Sent: Thursday, July 2, 2020 4:25 PM
To: Li, Yan <Yan_Bing_Li@rfcuny.org>
Subject: RE: Q2 2020 CUNY Expenses

Thanks Yan I appreciate that.
Would you let me know when you hear from Dr. Wang. I know for sure there was a lot of activity on the clinical trial in June.

Happy 4th and have a great weekend.

Ruth Araya
Cassava Sciences, Inc.
7801 N. Capital of TX HWY
Suite 260
Austin, TX 78731
raraya@cassavasciences.com
Office: 512-501-2485



From: Li, Yan <Yan_Bing_Li@rfcuny.org>
Sent: Thursday, July 2, 2020 3:21 PM
To: Ruth Araya <raraya@cassavasciences.com>
Subject: RE: Q2 2020 CUNY Expenses

Hi Ruth,
Please see our invoice for period ending 6/30/20 on the Biomarker Project. No expenses on the Clinical Trial project yet). Dr.

Wang had a lot of funds encumbered (set aside) but not yet paid out, so I will send him a reminder on those.
Yan

Yan Bing Li
Project Administrator
Grants & Contracts
212-417-8473
Yan_Bing_Li@rfcuny.org

From: Ruth Araya <raraya@cassavasciences.com>
Sent: Friday, June 26, 2020 4:58 PM
To: Li, Yan <Yan_Bing_Li@rfcuny.org>
Subject: Q2 2020 CUNY Expenses

Hi Yan,

Hope all is well in NY.

Just wanted to remind you if you could send the invoices for Q2 2020 by July 6th. I know there was a lot of activity by Dr. Wang in the last couple of weeks.

Thank you have a great weekend and be safe

Ruth Araya
Cassava Sciences, Inc.
7801 N. Capital of TX HWY
Suite 260
Austin, TX 78731
raraya@cassavasciences.com
Office: 512-501-2485



From: Ruth Araya <raraya@cassavasciences.com>
Sent time: 07/21/2020 12:52:56 PM
To: Hoau-yan Wang; Li, Yan <Yan_Bing_Li@rfcuny.org>
Subject: [EXTERNAL] RE: Q2 2020 CUNY Expenses

Yan,

Do you prepare Dr. Wang's invoices?

Ruth Araya

*Cassava Sciences, Inc.
7801 N. Capital of TX HWY
Suite 260
Austin, TX 78731
raraya@cassavasciences.com
Office: 512-501-2485*



From: Hoau-yan Wang <hywang@med.cuny.edu>
Sent: Monday, July 20, 2020 4:24 PM
To: Li, Yan <Yan_Bing_Li@rfcuny.org>
Cc: Ruth Araya <raraya@cassavasciences.com>
Subject: Re: Q2 2020 CUNY Expenses

Dear Ruth and Yan,

Indeed, there were a lot of activities for the last few weeks. We used the kits purchased previously and the kits purchased by Cassava (Lindsay). There is one set of kits we purchased most recently that will use the clinical trial grant (next cycle). We will use the clinical trial grant to purchase few more items soon as our lab activities start to increase that should be in next cycle.

Thanks.

Best,

Hoau-Yan Wang.

From: Li, Yan <Yan_Bing_Li@rfcuny.org>
Sent: Monday, July 20, 2020 11:00 AM
To: Hoau-yan Wang
Subject: [EXTERNAL] FW: Q2 2020 CUNY Expenses

Dr. Wang,
Would you mind contacting Ruth? See chain below. This was back in early July & I had completely forgotten to send you an e-mail. So sorry.
Yan

Yan Bing Li
Project Administrator
Grants & Contracts
212-417-8473
Yan_Bing_Li@rfcuny.org

From: Ruth Araya <raraya@cassavasciences.com>

Sent: Thursday, July 2, 2020 4:25 PM

To: Li, Yan <Yan_Bing_Li@rfcuny.org>

Subject: RE: Q2 2020 CUNY Expenses

Thanks Yan I appreciate that.

Would you let me know when you hear from Dr. Wang. I know for sure there was a lot of activity on the clinical trial in June.

Happy 4th and have a great weekend.

Ruth Araya

Cassava Sciences, Inc.

7801 N. Capital of TX HWY

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Austin, TX 78731

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Subject: RE: Q2 2020 CUNY Expenses

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Project Administrator

Grants & Contracts

212-417-8473

Yan_Bing_Li@rfcuny.org

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Office:512-501-2485



From: Li, Yan <Yan_Bing_Li@rfcuny.org>
Sent time: 07/21/2020 01:20:45 PM
To: Ruth Araya <raraya@cassavasciences.com>; Hoau-yan Wang
Subject: [EXTERNAL] RE: Q2 2020 CUNY Expenses

Yes.

Yan Bing Li
Project Administrator
Grants & Contracts
212-417-8473
Yan_Bing_Li@rfcuny.org

From: Ruth Araya <raraya@cassavasciences.com>
Sent: Tuesday, July 21, 2020 12:53 PM
To: Hoau-yan Wang <hywang@med.cuny.edu>; Li, Yan <Yan_Bing_Li@rfcuny.org>
Subject: RE: Q2 2020 CUNY Expenses

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Thank you have a great weekend and be safe

Ruth Araya

Cassava Sciences, Inc.

7801 N. Capital of TX HWY

Suite 260

Austin, TX 78731

raraya@cassavasciences.com

Office:512-501-2485



From: Qiang Xu <qxx07a@acu.edu>
Sent time: 07/21/2020 05:49:59 PM
To: Hoau-Yan wang <[REDACTED]@gmail.com>; Hoau-yan Wang
Cc: Ben Thornton <gthornton@cassavasciences.com>
Subject: [EXTERNAL] SDS-PAGE supply

POL 87(2)(d)

Hi Hoau,

Hope you and yours are doing well! [REDACTED]
[REDACTED]

[REDACTED]

When you have time, could you give me some advice on how to make the gels from scratch? If you could let me know where to order those supplies, that will be great!

Have a blessed rest of your week,

John

--

Qiang (John) Xu, Ph.D.
Professor
Department of Biology
Abilene Christian University
ACU Box 27868
Abilene, Texas 79699-7868
325-674-4883
fax 325-674-2009
qxu@acu.edu

From: Hoau-yan Wang
Sent time: 07/22/2020 03:05:08 PM
To: qxx07a@acu.edu; Hoau-Yan wang <[REDACTED]@gmail.com>
Cc: Ben Thornton <gthornton@cassavasciences.com>
Subject: Re: [EXTERNAL] SDS-PAGE supply

POL 87(2)(d)

Hi John,

Sorry for my late reply. [REDACTED]
[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Let me know if you have any questions.

Thanks.

Hoau

From: Qiang Xu <qxx07a@acu.edu>
Sent: Tuesday, July 21, 2020 5:49 PM
To: Hoau-Yan wang; Hoau-yan Wang
Cc: Ben Thornton
Subject: [EXTERNAL] SDS-PAGE supply

Hi Hoau,

Hope you and yours are doing well! [REDACTED]
[REDACTED]

[REDACTED]

[REDACTED]

Have a blessed rest of your week,

John

--

Qiang (John) Xu, Ph.D.
Professor
Department of Biology
Abilene Christian University
ACU Box 27868
Abilene, Texas 79699-7868
325-674-4883
fax 325-674-2009
qxu@acu.edu

From: Qiang Xu <qxx07a@acu.edu>
Sent time: 07/22/2020 03:42:50 PM
To: Hoau-yan Wang
Cc: Hoau-Yan wang <[REDACTED]@gmail.com>; Ben Thornton <gthornton@cassavasciences.com>
Subject: Re: [EXTERNAL] SDS-PAGE supply

Hi Hoau,

Thank you so much for the detailed protocol. This is very helpful!

POL 87(2)(d)

Blessings,

John

On Wed, Jul 22, 2020 at 2:05 PM Hoau-yan Wang <hywang@med.cuny.edu> wrote:

Hi John,

Sorry for my late reply. [REDACTED]
[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Let me know if you have any questions.

Thanks.

Hoau

From: Qiang Xu <qxx07a@acu.edu>
Sent: Tuesday, July 21, 2020 5:49 PM
To: Hoau-Yan wang; Hoau-yan Wang
Cc: Ben Thornton
Subject: [EXTERNAL] SDS-PAGE supply

Hi Hoau,

Hope you and yours are doing well!

[REDACTED]

[REDACTED] If you could
let me know where to order those supplies, that will be great!

Have a blessed rest of your week,

POL 87(2)(d)

John

--

Qiang (John) Xu, Ph.D.
Professor
Department of Biology
Abilene Christian University
ACU Box 27868
Abilene, Texas 79699-7868
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--

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Professor
Department of Biology
Abilene Christian University
ACU Box 27868
Abilene, Texas 79699-7868
325-674-4883
fax 325-674-2009
qxu@acu.edu

From: Ben Thornton <gthornton@cassavasciences.com>
Sent time: 07/22/2020 04:01:45 PM
To: [REDACTED] Hoau-yan Wang
Subject: [EXTERNAL] [REDACTED]
Attachments: Cassaca ADDF Comments 22Jul20.docx

POL 87(2)(d)

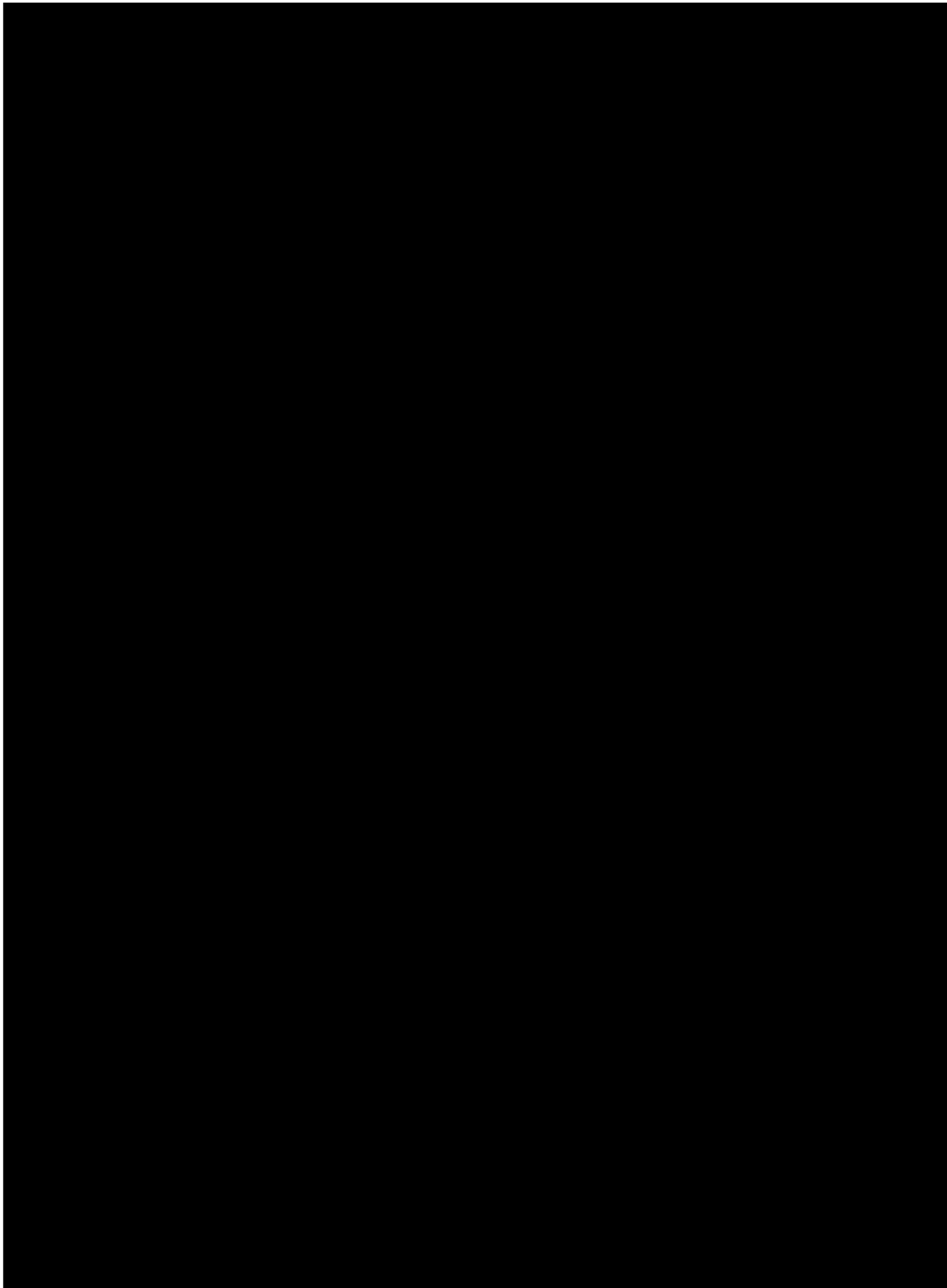
Hi Ian and Hoau,

Attached is ongoing, but wanted to get to [REDACTED]
[REDACTED]
[REDACTED]

I will finish #2 today. I don't think I want this needs to be long, as she has very good grasp of the antibody aspects of this and the NIH proposal.

Thanks.

Ben



[REDACTED]

[REDACTED]			
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

From: Ben Thornton <gthornton@cassavasciences.com>
Sent time: 07/22/2020 08:10:11 PM
To: [REDACTED]; Hoau-yan Wang
Subject: [EXTERNAL] ADDF
Attachments: Cassava [REDACTED] v2.docx

POL 87(2)(d)

Hi Hoau and Ian,

[REDACTED]

[REDACTED] I felt she had a very good grasp of the role of antibodies so we did not address that topic and are responding to her specific request for detail on sensitivity and providing more detail on [REDACTED] date.

Ben

[REDACTED]
 [REDACTED]
 [REDACTED]
 [REDACTED]
 [REDACTED]
 [REDACTED]
 [REDACTED]

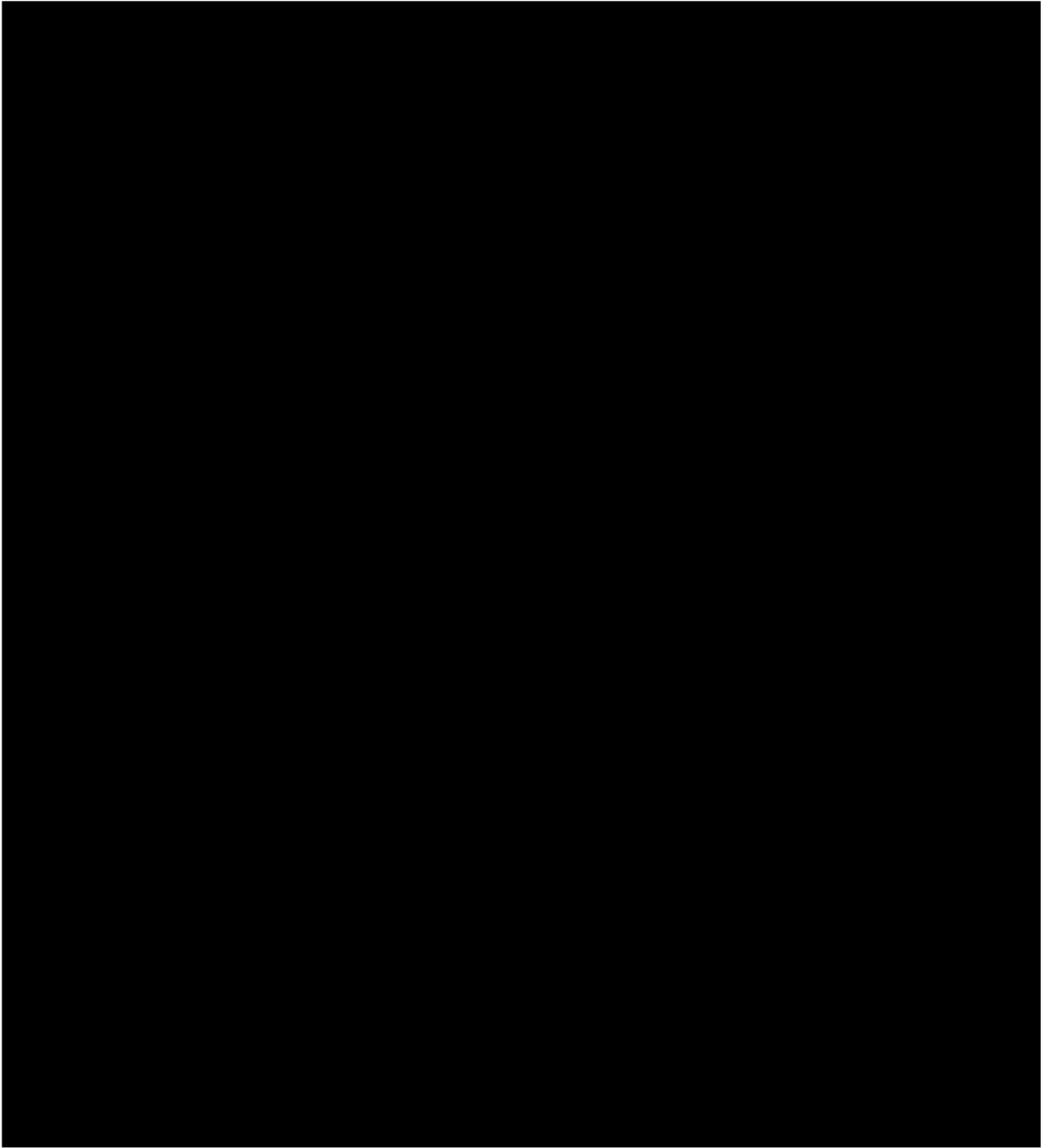
Age Group	Percentage of Respondents
18-29	90%
30-49	88%
50-64	85%
65+	50%

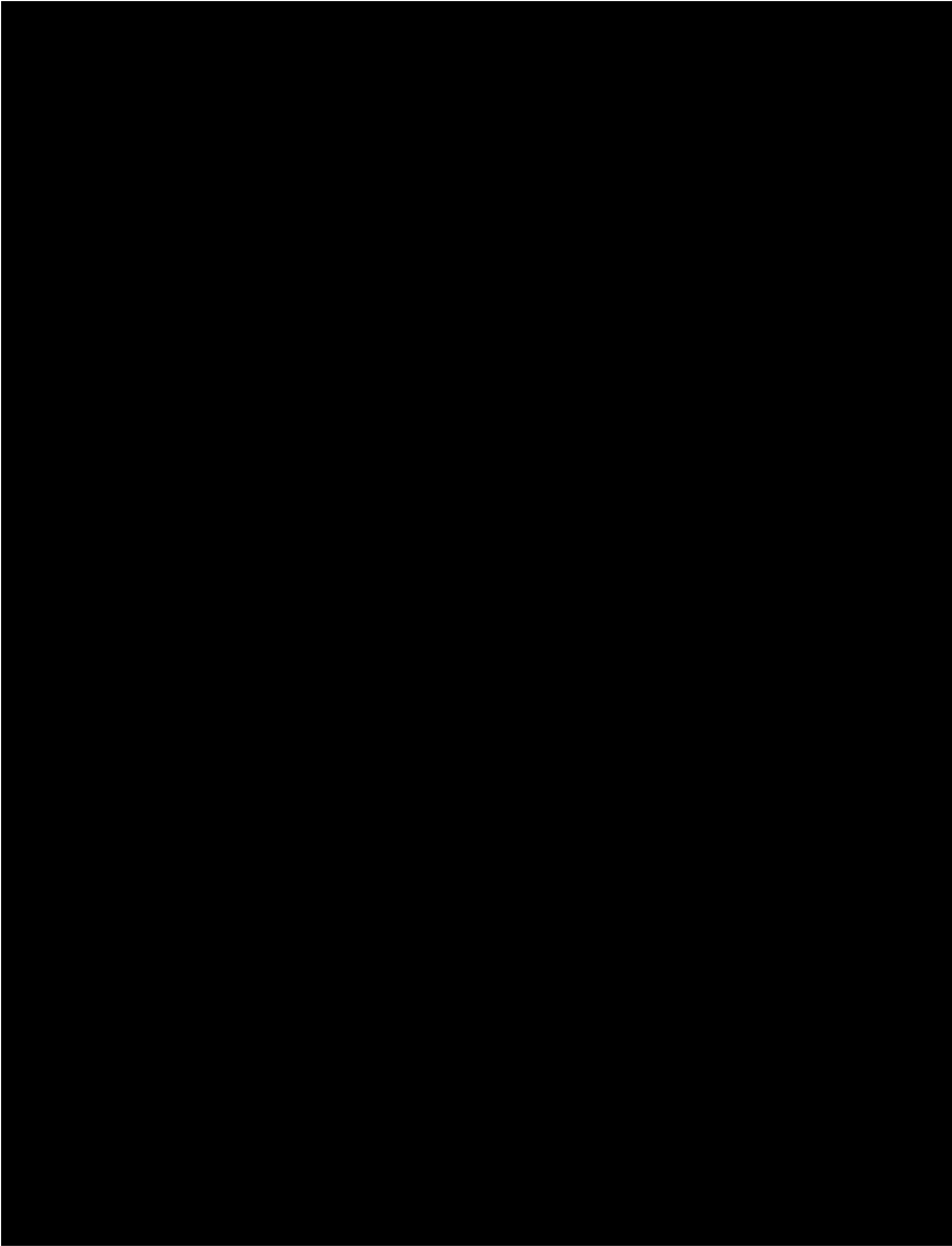
Symptom	Male (%)	Female (%)
Headaches	~15	~10
Stomach issues	~25	~20
Anxiety	~35	~30
Depression	~45	~40
Sleep problems	~55	~50

	2019	2020	2021	2022	2023
1. Revenue	100%	100%	100%	100%	100%
2. Operating expenses	75%	78%	80%	82%	85%
3. Operating income	25%	22%	20%	18%	15%
4. Non-operating income	5%	3%	2%	1%	0%
5. Income before taxes	30%	25%	22%	19%	15%
6. Taxes	8%	7%	6%	5%	4%
7. Net income	22%	18%	16%	14%	11%
8. Dividends	10%	9%	8%	7%	6%
9. Retained earnings	12%	9%	8%	7%	5%

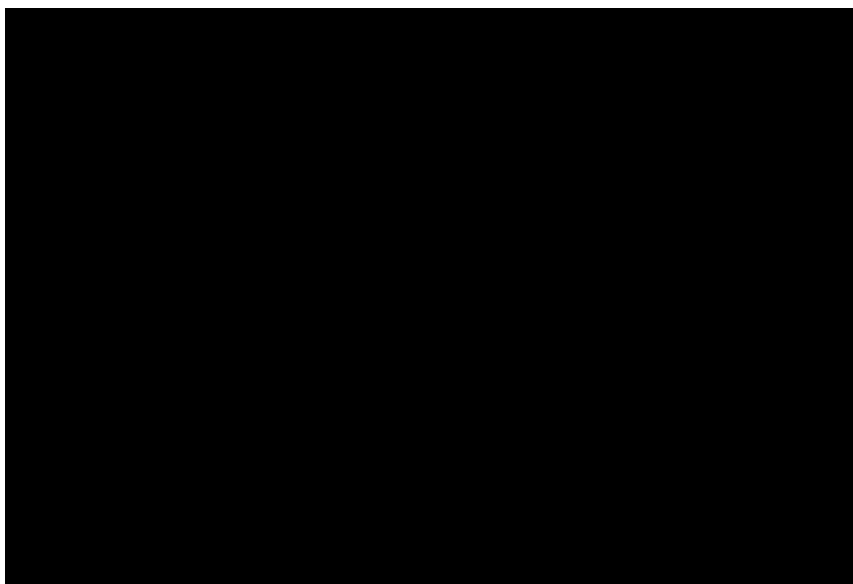
[illegible]

POL 87(2)(d)





4. Provisional Patent Application filed.



From: Hoau-yan Wang
Sent time: 07/23/2020 12:00:10 AM
To: Ben Thornton <gthornton@cassavasciences.com>; Ian Pike <ian.pike@proteomics.com>
Subject: Re: ADDF
Attachments: Cassava [REDACTED] Comments v2-HYW.docx

POL 87(2)(d)

Hi Ben,

I think this serve the purpose. I only have few suggested changes.

Thanks.

Hoau

From: Ben Thornton <gthornton@cassavasciences.com>
Sent: Wednesday, July 22, 2020 8:10 PM
To: Ian Pike; Hoau-yan Wang
Subject: [EXTERNAL] ADDF

Hi Hoau and Ian,

[REDACTED]

[REDACTED]

Ben

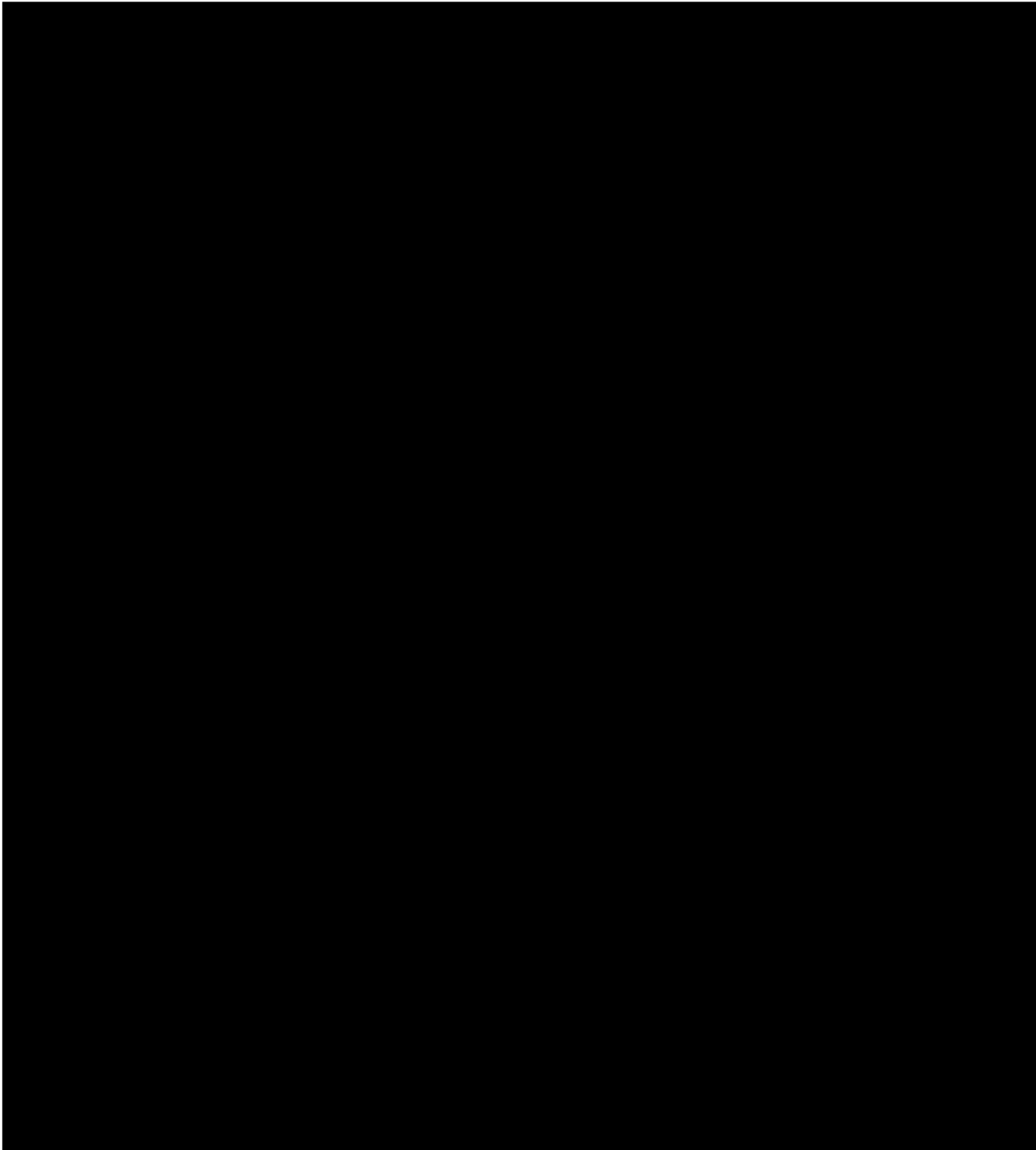
[REDACTED]

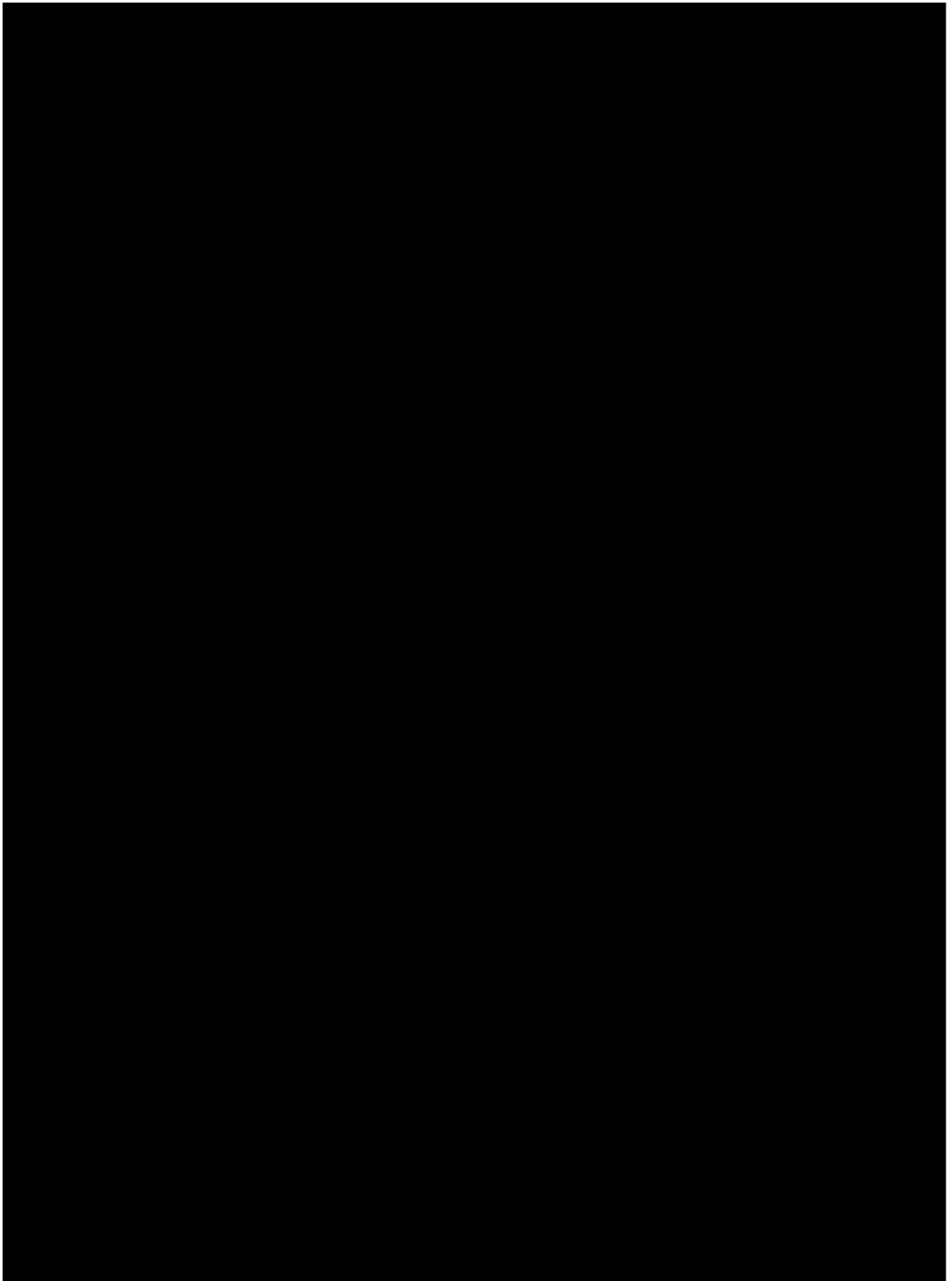
Bar Index	Relative Length (approximate)
1	0.95
2	0.98
3	0.92
4	0.96
5	0.94
6	1.00
7	0.97
8	0.96
9	0.99
10	0.93
11	0.95
12	0.98
13	0.97
14	0.96
15	0.50

[illegible][illegible]

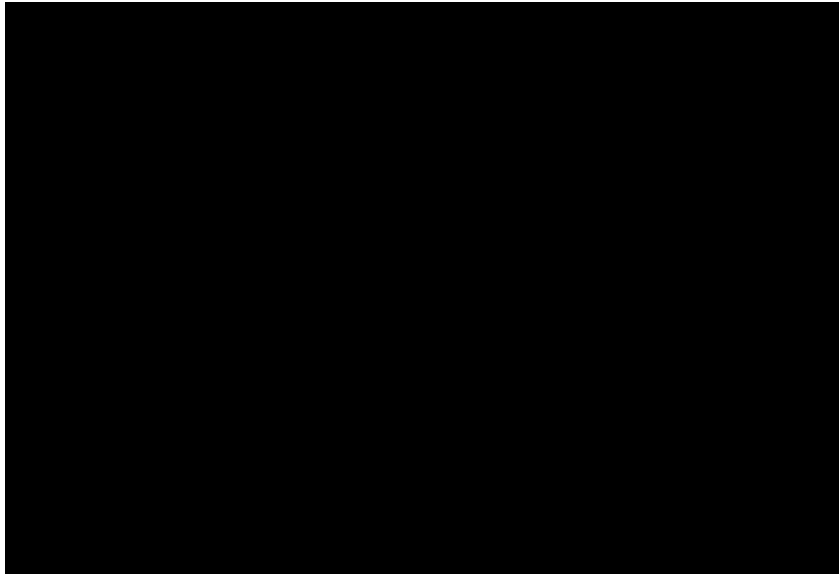
[REDACTED]

POL 87(2)(d)





4. Provisional Patent Application filed.



From: Ben Thornton <gthornton@cassavasciences.com>
Sent time: 07/23/2020 12:35:24 PM
To: Hoau-yan Wang; Edward P. Gamson <Edward.Gamson@Huschblackwell.com>
Subject: [EXTERNAL] TC with Ed

POL 87(2)(d)

Hi Hoau,

Do you have any time tomorrow or Monday for a conference call with Ed to discuss [REDACTED] ?

Ed is pretty open so we will accommodate your schedule.

Thanks.

Ben

From: Hoau-yan Wang
Sent time: 07/23/2020 12:51:59 PM
To: Ben Thornton <gthornton@cassavasciences.com>; Edward P. Gamson <Edward.Gamson@Huschblackwell.com>
Cc: [REDACTED]@gmail.com
Subject: Re: TC with Ed

POL 87(2)(d)

Hi Ben,

Well. Tomorrow is fine. I have a meeting at 10 AM that I assume will last an hour. How about 11 AM (EDT)?

Thanks.

Hoau

From: Ben Thornton <gthornton@cassavasciences.com>
Sent: Thursday, July 23, 2020 12:35 PM
To: Hoau-yan Wang; Edward P. Gamson
Subject: [EXTERNAL] TC with Ed

Hi Hoau,

Do you have any time tomorrow or Monday for a conference call with Ed to discuss [REDACTED]?

Ed is pretty open so we will accommodate your schedule.

Thanks.

Ben

From: Gamson, Edward <Edward.Gamson@huschblackwell.com>
Sent time: 07/23/2020 12:54:32 PM
To: Hoau-yan Wang; Ben Thornton <gthornton@cassavasciences.com>
Cc: [REDACTED]@gmail.com
Subject: [EXTERNAL] RE: TC with Ed

Sounds fine to me, thanks.

ed

Edward P. Gamson, Ph.D.
Attorney
Direct: 312.526.1505
Edward.Gamson@huschblackwell.com

From: Hoau-yan Wang <hywang@med.cuny.edu>
Sent: Thursday, July 23, 2020 11:52 AM
To: Ben Thornton <gthornton@cassavasciences.com>; Gamson, Edward <Edward.Gamson@huschblackwell.com>
Cc: [REDACTED]@gmail.com
Subject: Re: TC with Ed

[EXTERNAL EMAIL]

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POL 87(2)(d)

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From: Qiang Xu <qxx07a@acu.edu>
Sent time: 07/23/2020 05:46:32 PM
To: Ben Thornton <gthornton@cassavasciences.com>; Hoau-Yan wang <[REDACTED]@gmail.com>; Hoau-yan Wang
Subject: [EXTERNAL] [REDACTED]
Attachments: [REDACTED]

Hi Ben and Hoau,

Hope you are well! Attached is today's [REDACTED].

POL 87(2)(d)

Blessings,

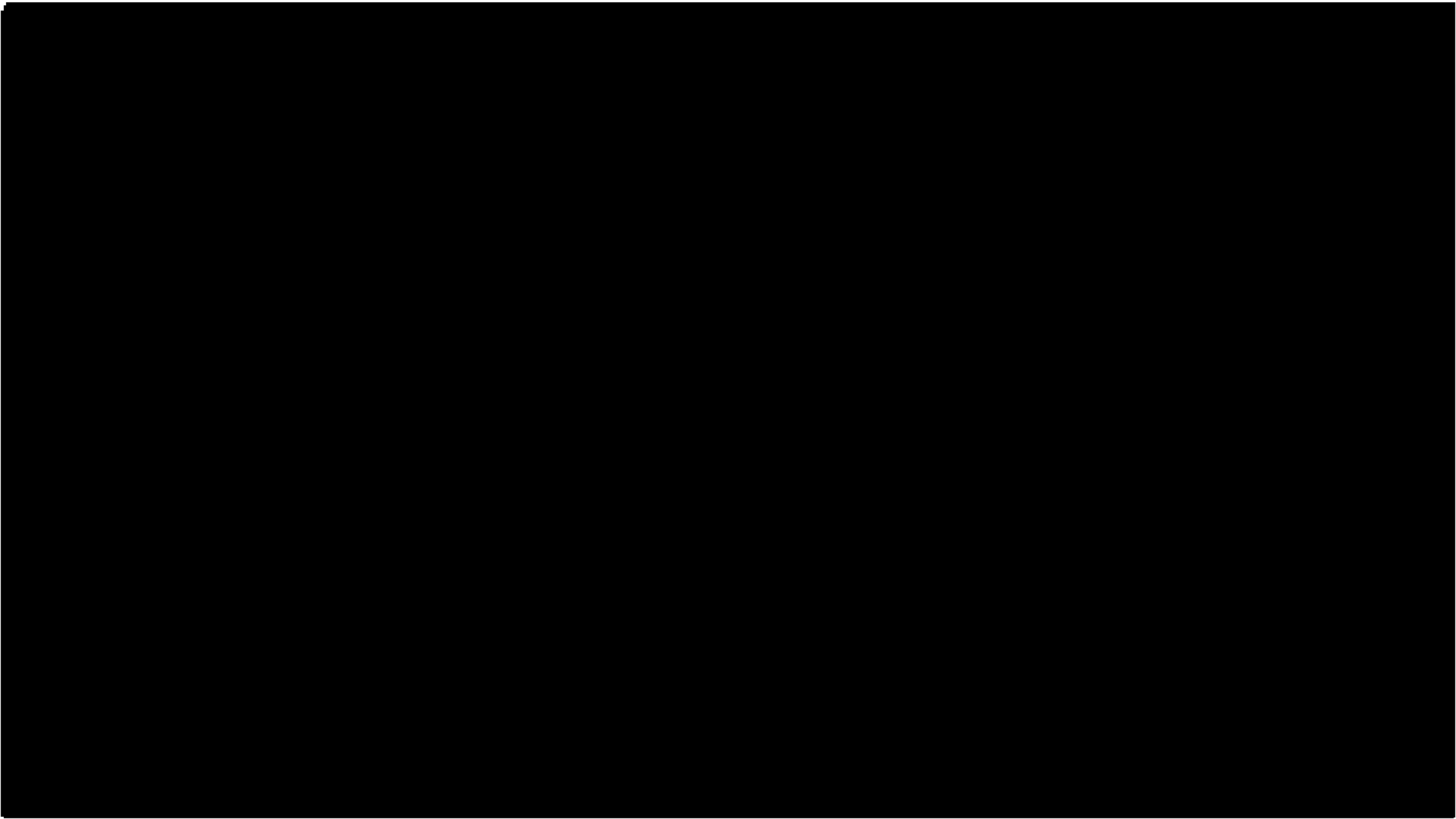
John

--

Qiang (John) Xu, Ph.D.
Professor
Department of Biology
Abilene Christian University
ACU Box 27868
Abilene, Texas 79699-7868
325-674-4883
fax 325-674-2009
qxu@acu.edu

POL 87(2)(d)





From: Qiang Xu <qxx07a@acu.edu>

Sent time: 07/26/2020 06:39:43 PM

To: Ben Thornton <gthornton@cassavasciences.com>; Hoau-Yan wang <[REDACTED]@gmail.com>; Hoau-yan Wang

Subject: [EXTERNAL] [REDACTED]

Attachments: [REDACTED]

POL 87(2)(d)

Hi Ben and Hoau,

Hope you are well! Attached is today's results.

Blessings,

John

--

Qiang (John) Xu, Ph.D.

Professor

Department of Biology

Abilene Christian University

ACU Box 27868

Abilene, Texas 79699-7868

325-674-4883

fax 325-674-2009

qxu@acu.edu

POL 87(2)(d)





From: Ben Thornton <gthornton@cassavasciences.com>
Sent time: 07/26/2020 07:37:44 PM
To: qxx07a@acu.edu; Hoau-Yan wang <[REDACTED]@gmail.com>; Hoau-yan Wang
Subject: [EXTERNAL] [REDACTED]

Thanks, John. Let's discuss tomorrow. Ben

Get [Outlook for iOS](#)

From: Qiang Xu <qxx07a@acu.edu>
Sent: Sunday, July 26, 2020 3:39 PM
To: Ben Thornton; Hoau-Yan wang; Hoau-Yan Wang
Subject: [REDACTED]

POL 87(2)(d)

Hi Ben and Hoau,

Hope you are well! [REDACTED]

Blessings,

John

--

Qiang (John) Xu, Ph.D.
Professor
Department of Biology
Abilene Christian University
ACU Box 27868
Abilene, Texas 79699-7868
325-674-4883
fax 325-674-2009
qxu@acu.edu

From: Ben Thornton <gthornton@cassavasciences.com>
Sent time: 07/28/2020 02:07:24 PM
To: Hoau-yan Wang; Qiang Xu <qxx07a@acu.edu>
Subject: [EXTERNAL] FW: Data to Discuss Today
Attachments: Cassava F [REDACTED] [REDACTED]

POL 87(2)(d)

Please take a look. We can discuss later.

I am back in TX.

Ben

From: Jacqueline Kirk <Jacqui.Kirk@bio-techne.com>
Date: Tuesday, July 28, 2020 at 8:49 AM
To: Ben Thornton <gthornton@cassavasciences.com>
Cc: Jeff Cooper <Jeff.Cooper@bio-techne.com>, TuAnh Dang <tuanh.dang@bio-techne.com>, Jennie Rohrer <jennie.rohrer@bio-techne.com>
Subject: Data to Discuss Today

Hi Ben,
Looking forward to catching up at 9am.

Thanks,
Jacqui

Jacqui Kirk
Commercial Development Specialist

Office: +1 612-362-8826
Jacqui.Kirk@Bio-Techne.com

614 McKinley Place NE
Minneapolis, MN 55413
Bio-Techne.com

Bio-Techne Brands

R&D Systems · Novus Biologicals · Tocris · ProteinSimple · ACD · ExosomeDx

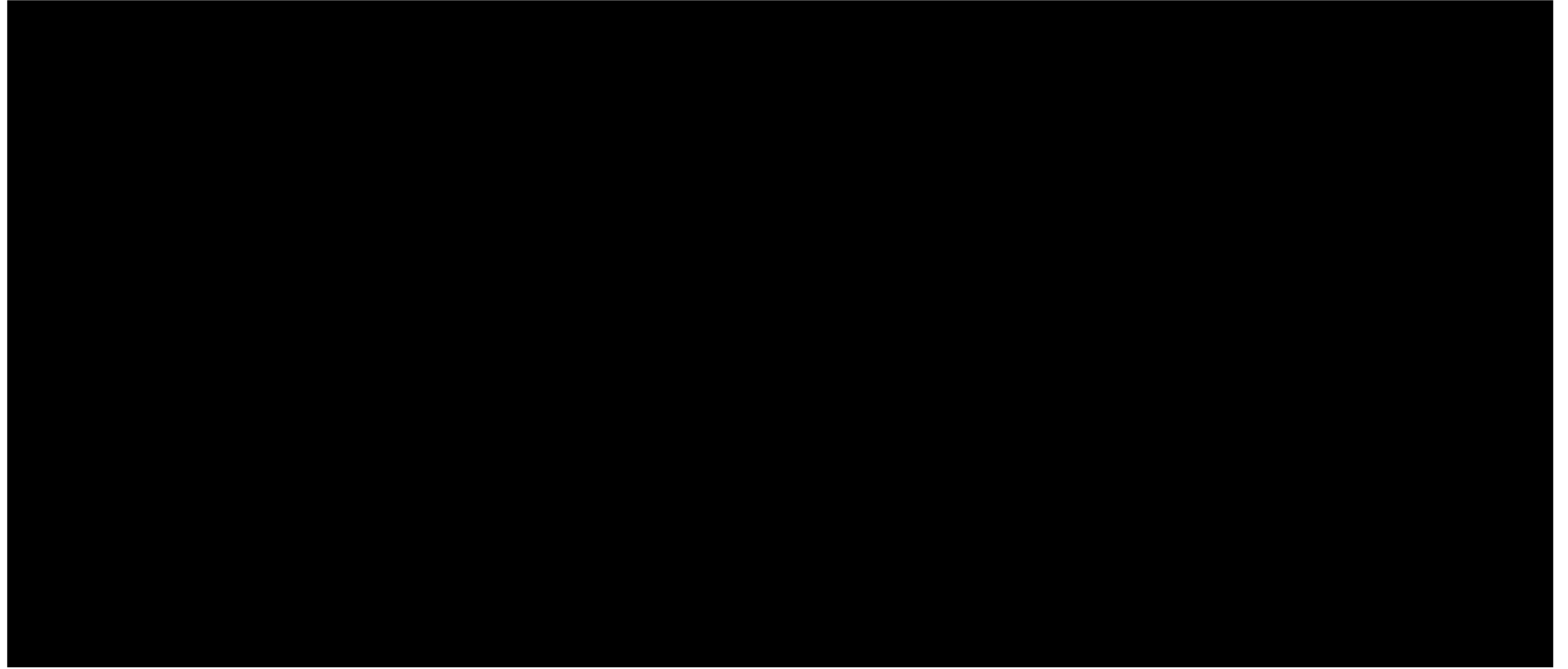
Where Science Intersects Innovation™

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POL 87(2)(d)

CASSAVA FLNA PHASE 2

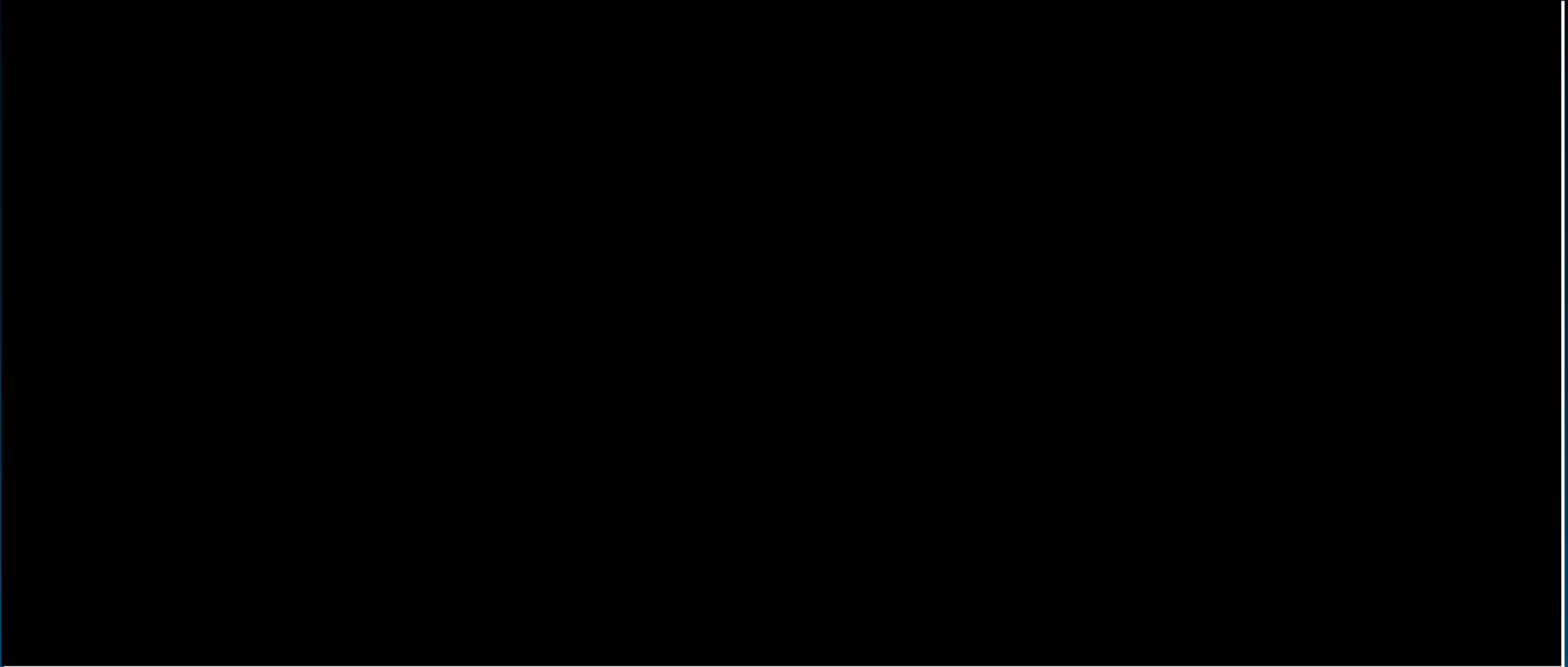
ASSAY OVERVIEW



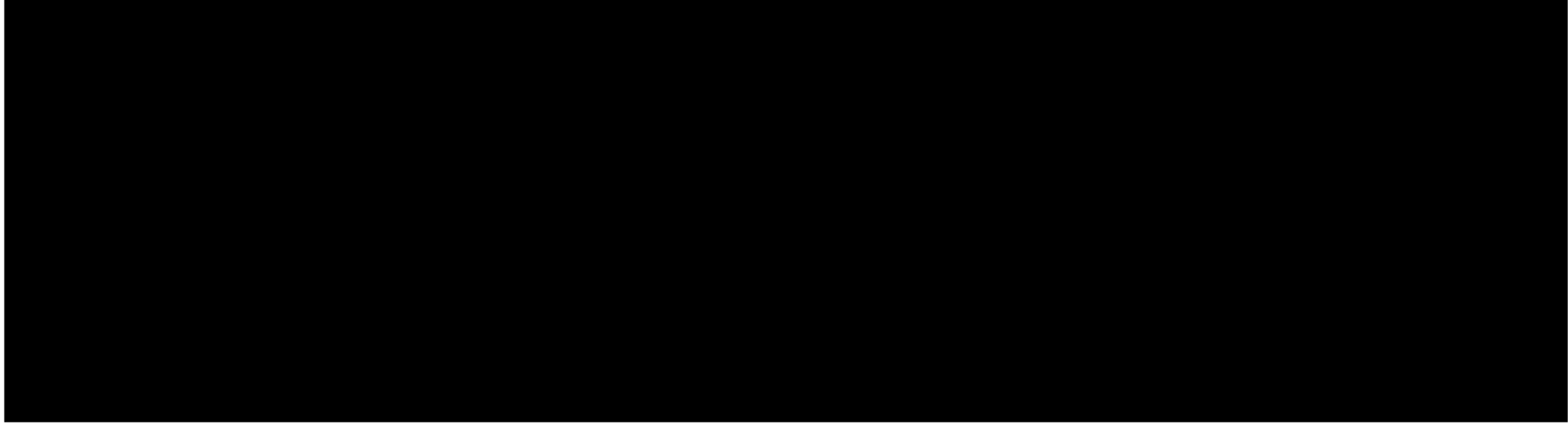
12-

Total Protein detects A4 and 1740 at expected MW. Some leading and lagging shoulders.
A4 Peak area is much smaller than 1740 or BSA.

SUMMARY/OBSERVATIONS



NEXT STEPS



Results

Results

[illegible]

WES- Screening Worksheet

Proj

Name:

Date: /

[illegible]

Results

[illegible]

Results

[illegible]

From: Qiang Xu <qxx07a@acu.edu>
Sent time: 07/29/2020 04:16:11 PM
To: Ben Thornton <gthornton@cassavasciences.com>; Hoau-Yan wang <[REDACTED]@gmail.com>; Hoau-yan Wang
Subject: [EXTERNAL] [REDACTED]
[REDACTED] [REDACTED]

Hi Ben and Hoau,

Hope you and yours are well! [REDACTED]

Many blessings,

POL 87(2)(d)

John

--

Qiang (John) Xu, Ph.D.
Professor
Department of Biology
Abilene Christian University
ACU Box 27868
Abilene, Texas 79699-7868
325-674-4883
fax 325-674-2009
qxu@acu.edu

POL 87(2)(d)





From: Qiang Xu <qxx07a@acu.edu>
Sent time: 08/05/2020 11:10:18 PM
To: Ben Thornton <gthornton@cassavasciences.com>; Hoau-Yan wang <[REDACTED]@gmail.com>; Hoau-yan Wang
Subject: [EXTERNAL] 20 [REDACTED]
[REDACTED] [REDACTED]

POL 87(2)(d)

Hi Ben and Hoau,

Hope you and yours are well! [REDACTED]

Blessings,

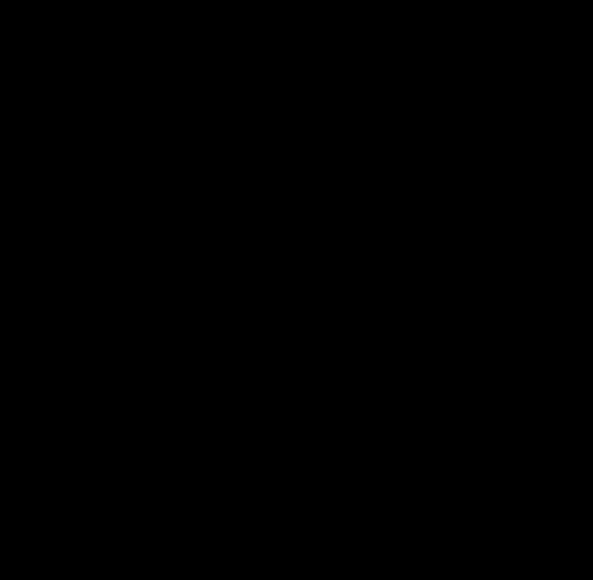
John

--

Qiang (John) Xu, Ph.D.
Professor
Department of Biology
Abilene Christian University
ACU Box 27868
Abilene, Texas 79699-7868
325-674-4883
fax 325-674-2009
qxu@acu.edu

Note: The images were generated with a

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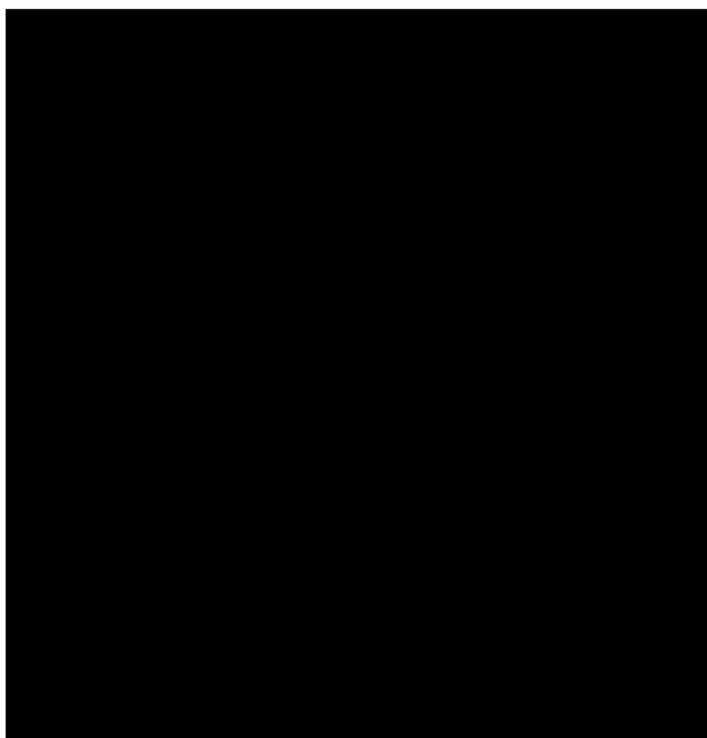
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[illegible]

[illegible]



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From: Qiang Xu <qxx07a@acu.edu>

Sent time: 08/10/2020 12:23:20 AM

To: Ben Thornton <gthornton@cassavasciences.com>; Hoau-Yan wang <[REDACTED]@gmail.com>; Hoau-yan Wang

Subject: [EXTERNAL] [REDACTED]
[REDACTED] [REDACTED]

POL 87(2)(d)

Hi Ben and Hoau,

Hope you are well! [REDACTED]

Blessings,

John

--

Qiang (John) Xu, Ph.D.

Professor

Department of Biology

Abilene Christian University

ACU Box 27868

Abilene, Texas 79699-7868

325-674-4883

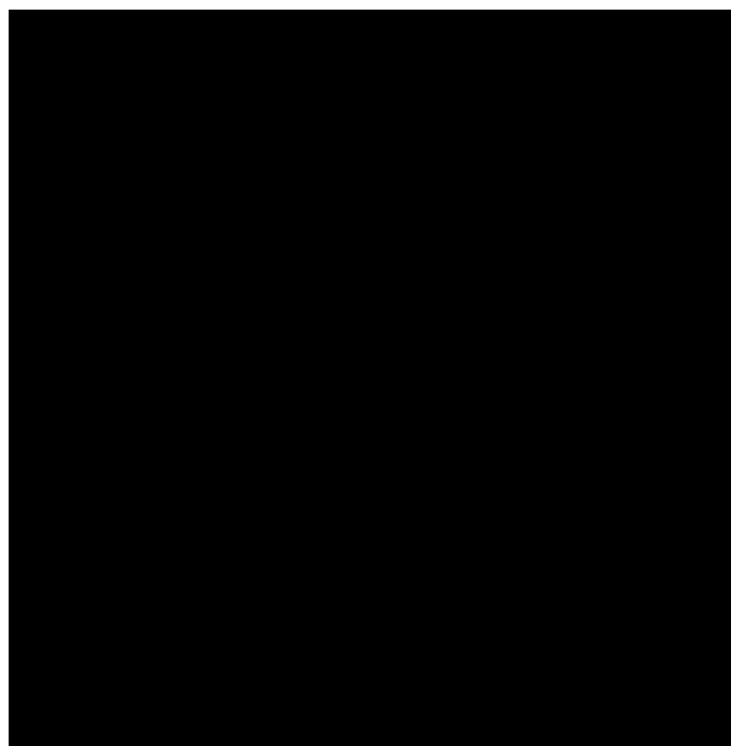
fax 325-674-2009

qxu@acu.edu

[illegible]

Samples were heated at 100 °C for

[illegible]

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[REDACTED]

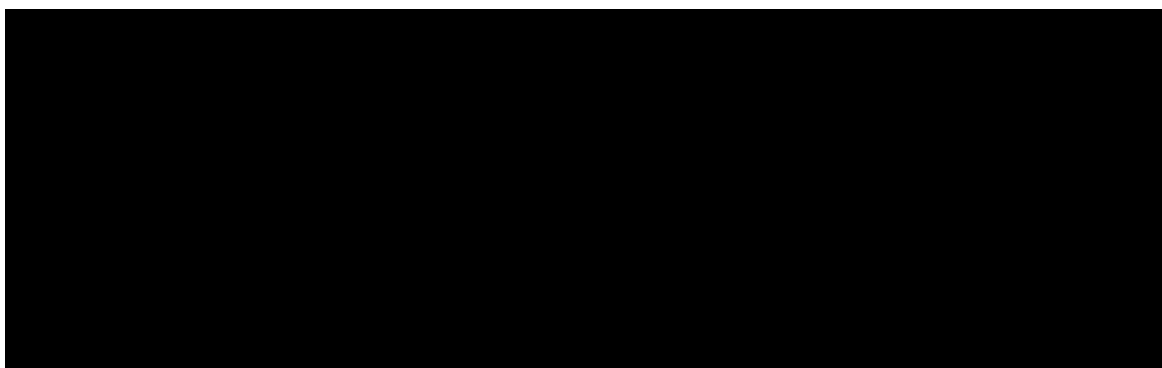
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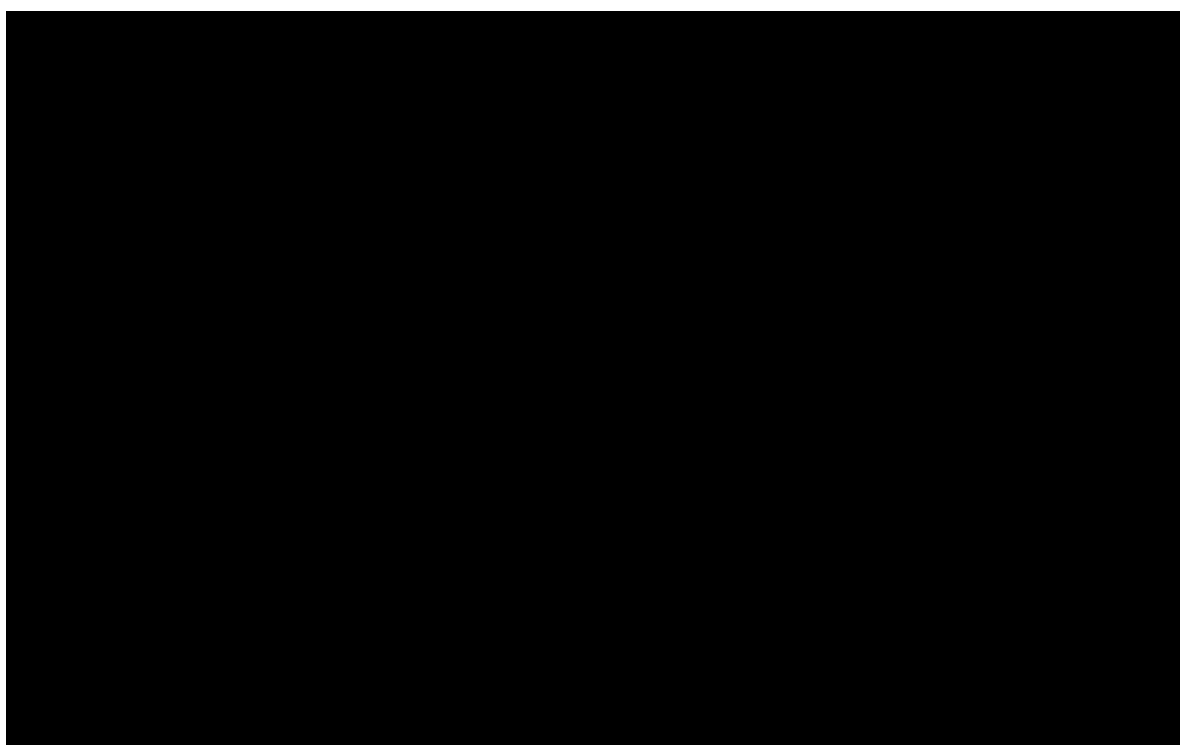
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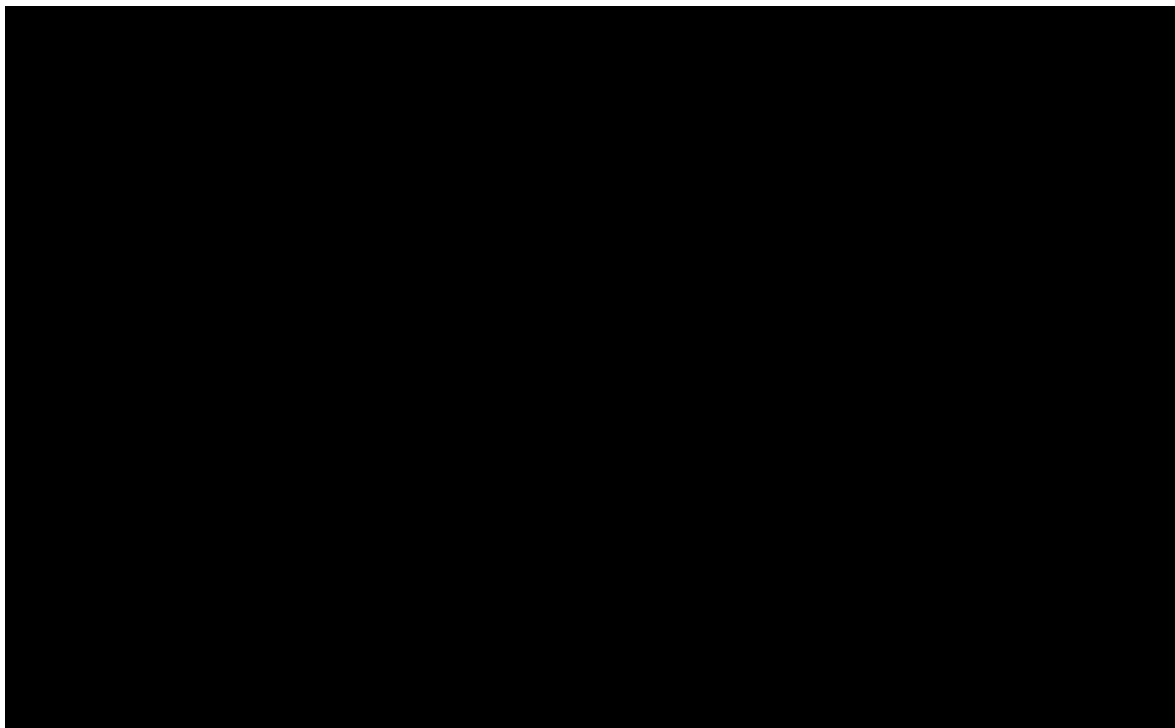
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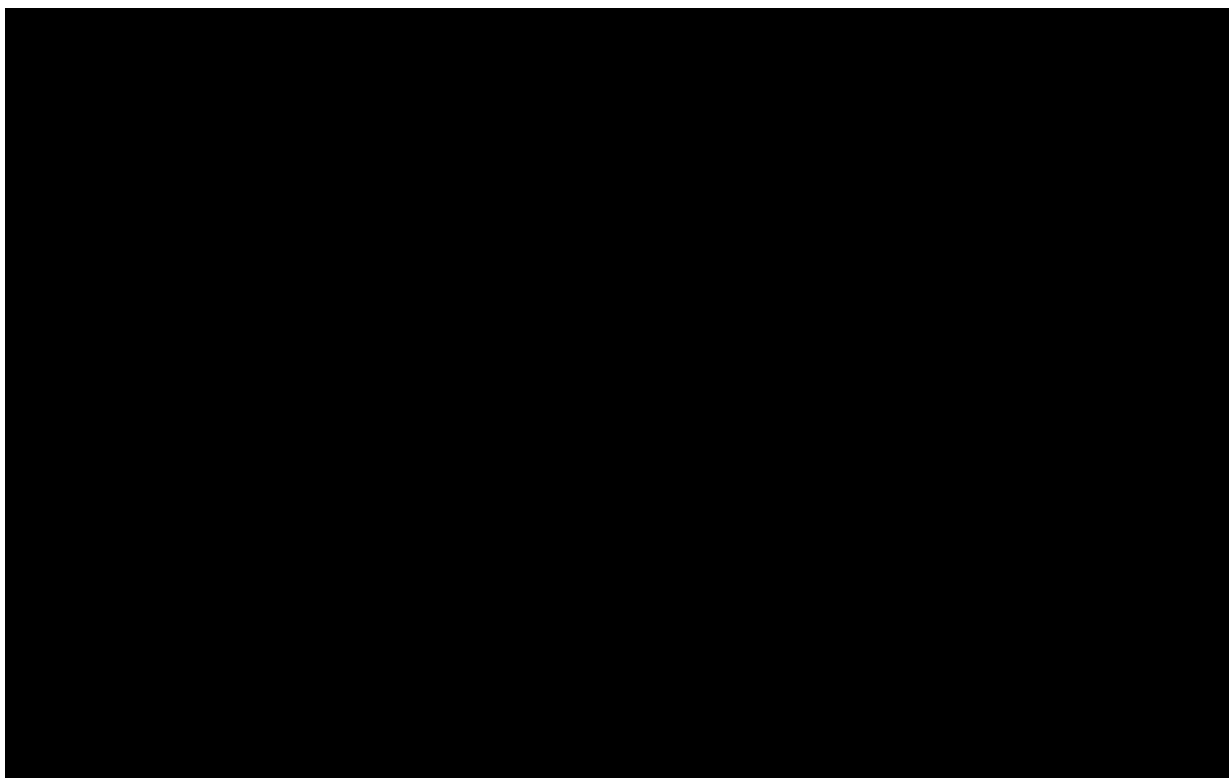
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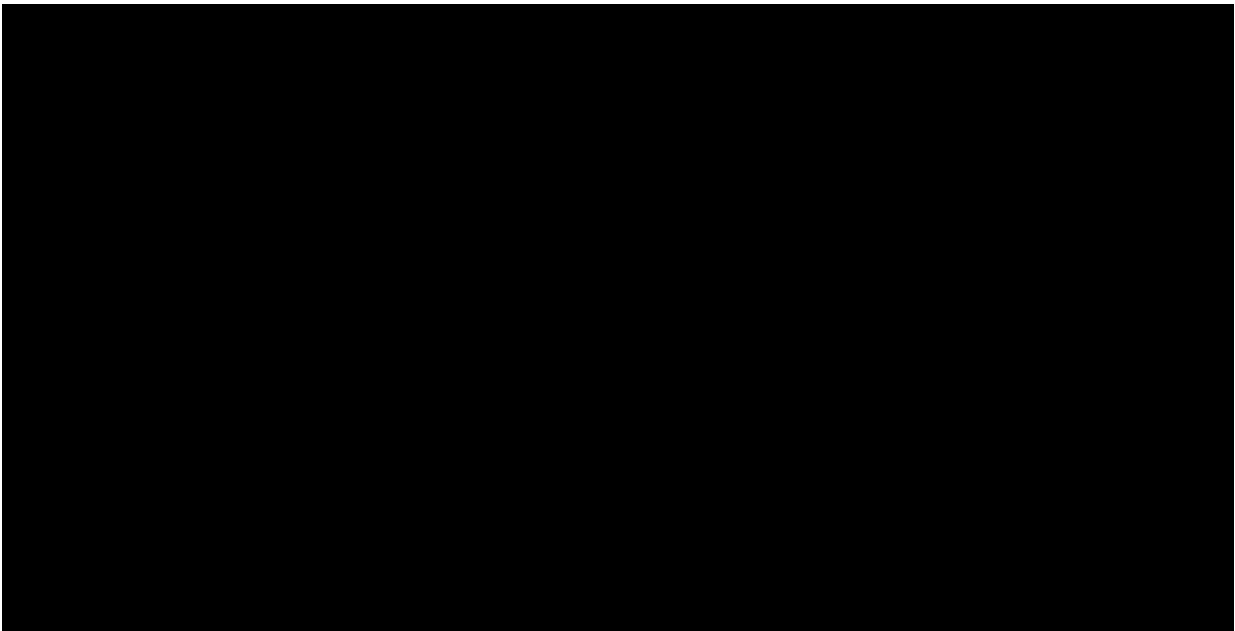
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Exposure time: 10 S





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transfer. The transfer process was conducted with 100V for 1 hour. Amount was doubled too.

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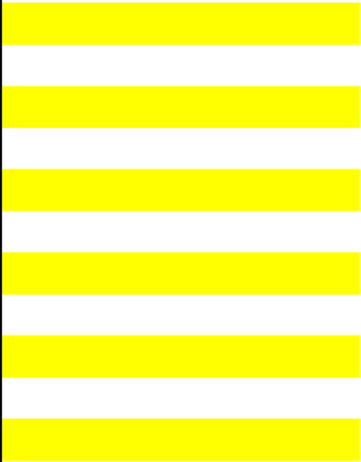
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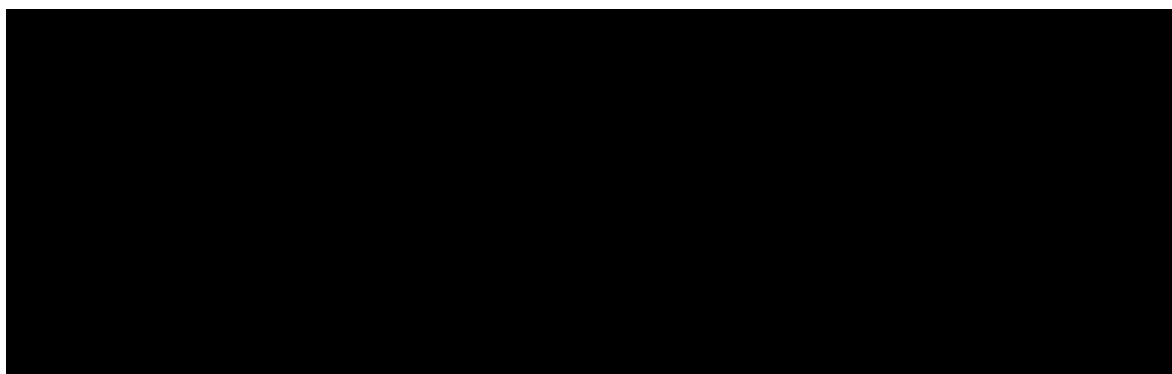
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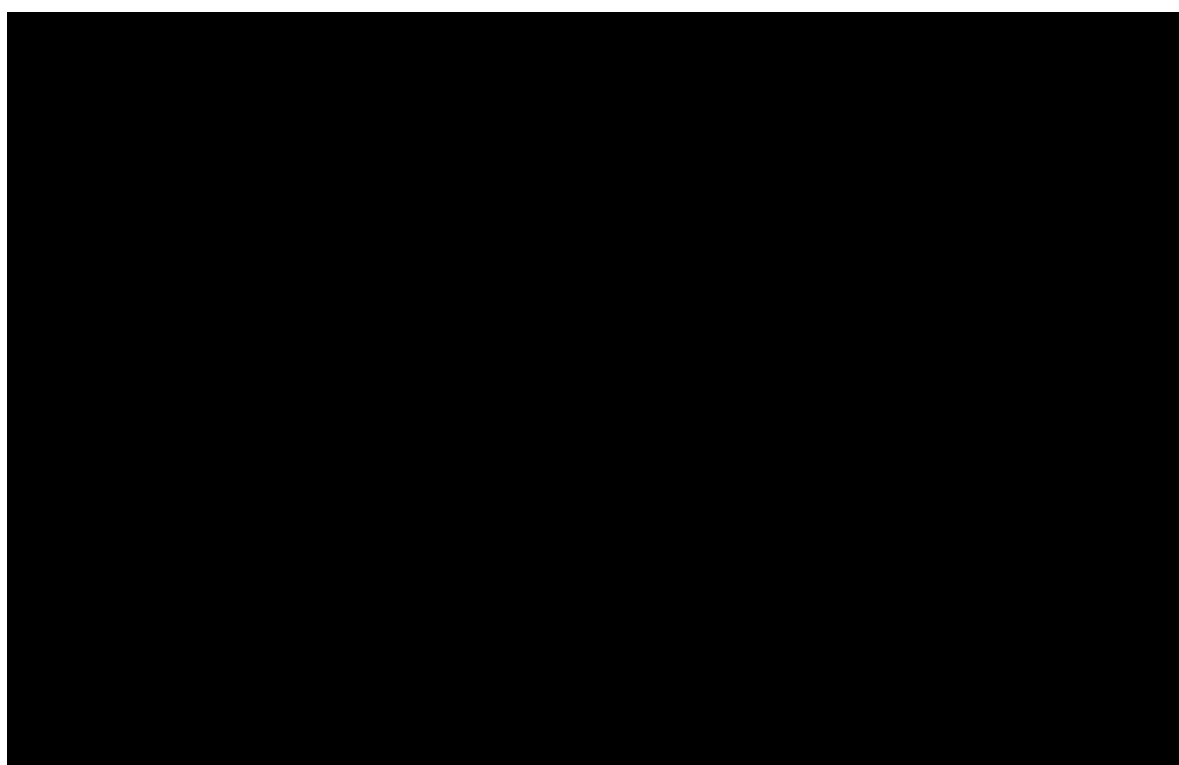
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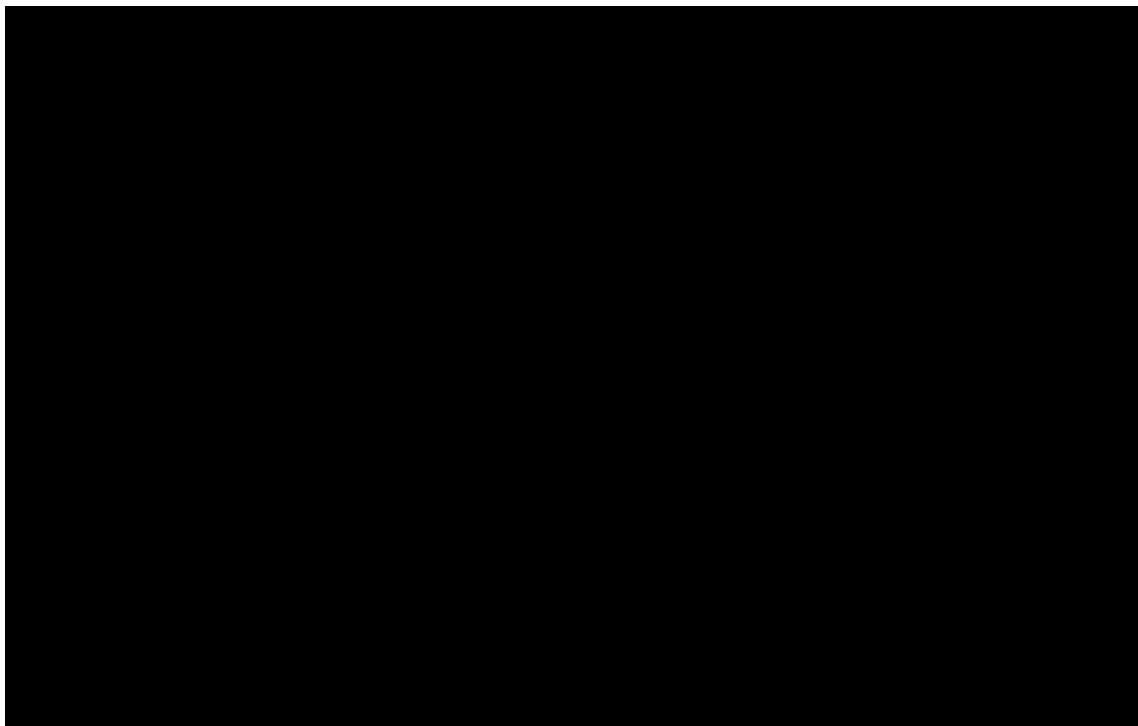


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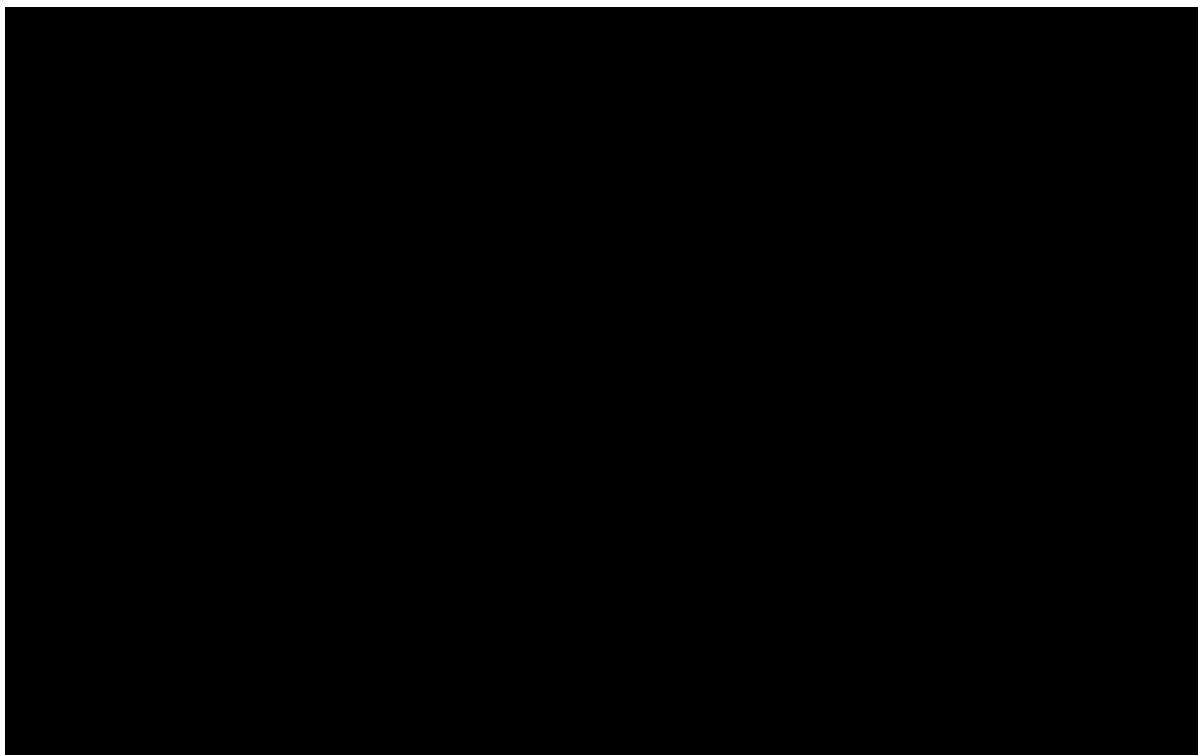


Exposure time: 120 S





Exposure time: 47 S



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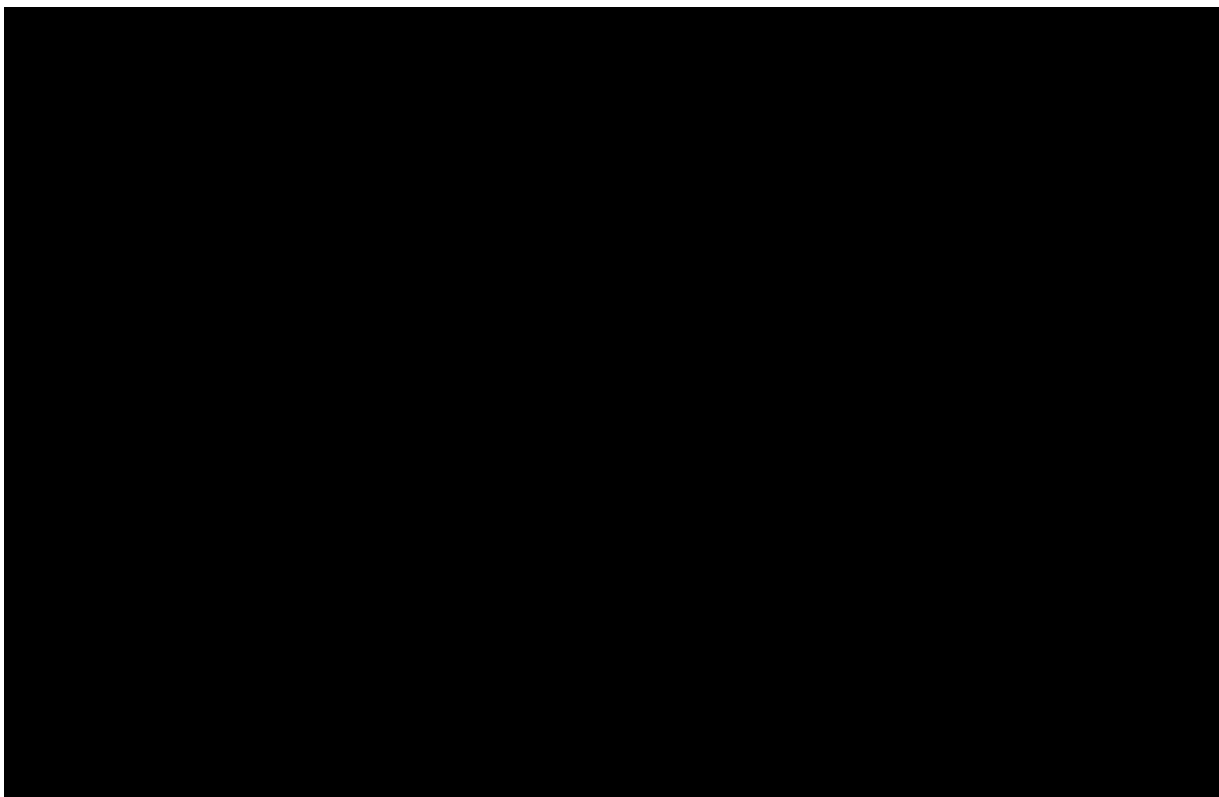
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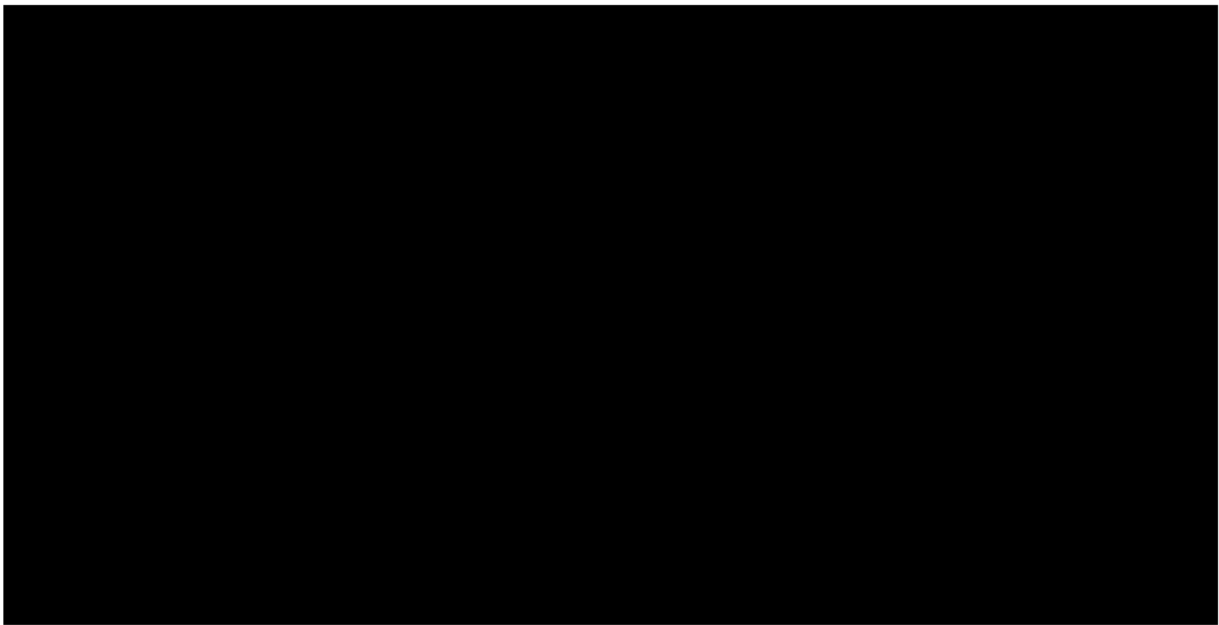
[REDACTED]

[REDACTED]



[REDACTED]

[REDACTED]









From: Qiang Xu <qxx07a@acu.edu>
Sent time: 08/10/2020 04:22:51 PM
To: [REDACTED]@gmail.com; gthornton@cassavasciences.com; Hoau-yan Wang
Subject: [EXTERNAL] Invitation: Qiang Xu's Zoom Meeting @ Mon Aug 10, 2020 4:40pm - 5:10pm (EDT) (hywang@med.cuny.edu)
Attachments: invite.ics

You have been invited to the following event.

Qiang Xu's Zoom Meeting

When Mon Aug 10, 2020 4:40pm – 5:10pm Eastern Time - New York

[more details »](#)

Where <https://acuonline.zoom.us/j/7452647988> ([map](#))

Calendar hywang@med.cuny.edu

Who

- Qiang Xu - organizer
- hywang@med.cuny.edu
- [REDACTED]@gmail.com
- gthornton@cassavasciences.com

Qiang Xu is inviting you to a scheduled Zoom meeting.

Join Zoom Meeting

<https://acuonline.zoom.us/j/7452647988>

Meeting ID: 745 264 7988

One tap mobile

+13462487799,,7452647988# US (Houston)

+12532158782,,7452647988# US (Tacoma)

Dial by your location

+1 346 248 7799 US (Houston)

+1 253 215 8782 US (Tacoma)

+1 669 900 6833 US (San Jose)

+1 301 715 8592 US (Germantown)

+1 312 626 6799 US (Chicago)

+1 646 876 9923 US (New York)

Meeting ID: 745 264 7988

Find your local number: <https://acuonline.zoom.us/u/a5GamP1XS>

Going (hywang@med.cuny.edu)? [Yes](#) - [Maybe](#) - [No more options »](#)

Invitation from [Google Calendar](#)

You are receiving this email at the account hywang@med.cuny.edu because you are subscribed for invitations on calendar hywang@med.cuny.edu.

To stop receiving these emails, please log in to <https://www.google.com/calendar/> and change your notification settings for this calendar.

Forwarding this invitation could allow any recipient to send a response to the organizer and be added to the guest list, or invite others regardless of their own invitation status, or to modify your RSVP. [Learn More](#)

From: Qiang Xu <qxx07a@acu.edu>
Sent time: 08/12/2020 11:23:18 PM
To: Ben Thornton <gthornton@cassavasciences.com>; Hoau-Yan wang <[REDACTED]@gmail.com>; Hoau-yan Wang
Subject: [EXTERNAL] [REDACTED]
[REDACTED] [REDACTED]

POL 87(2)(d)

Hi Ben and Hoau,

Hope you are well! [REDACTED]

Blessings,

John

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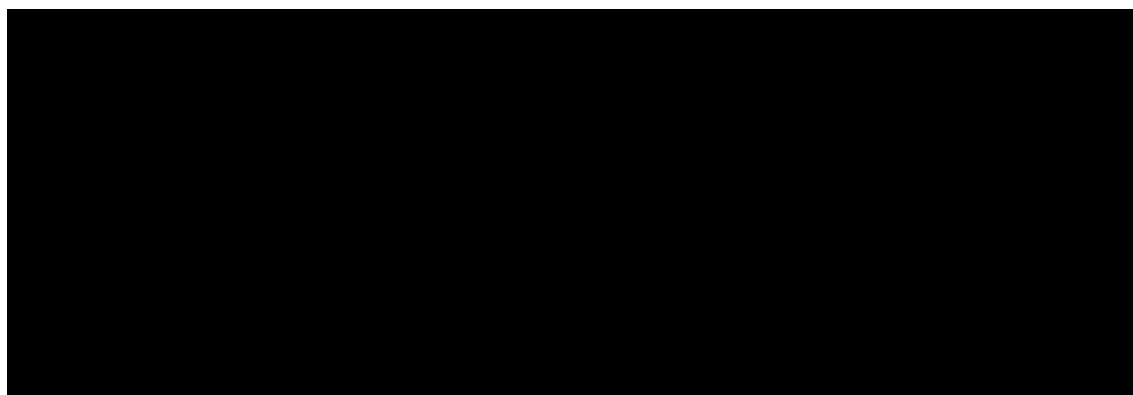
Qiang (John) Xu, Ph.D.
Professor
Department of Biology
Abilene Christian University
ACU Box 27868
Abilene, Texas 79699-7868
325-674-4883
fax 325-674-2009
qxu@acu.edu

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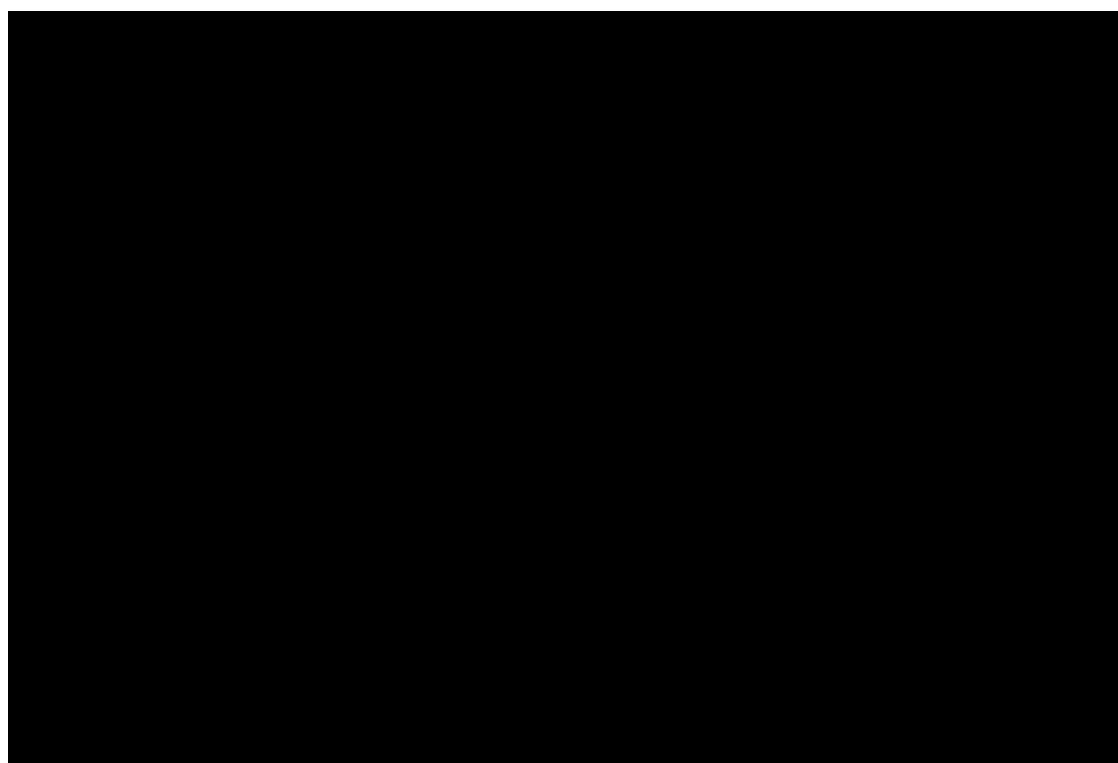
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Exposure time: 83 S

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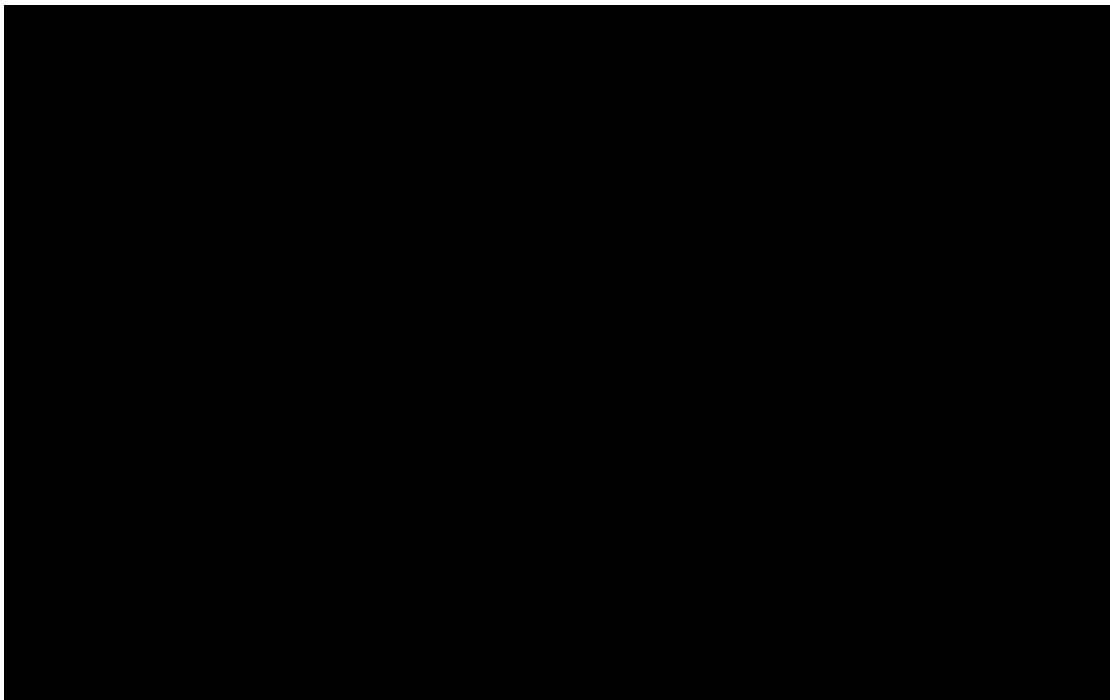
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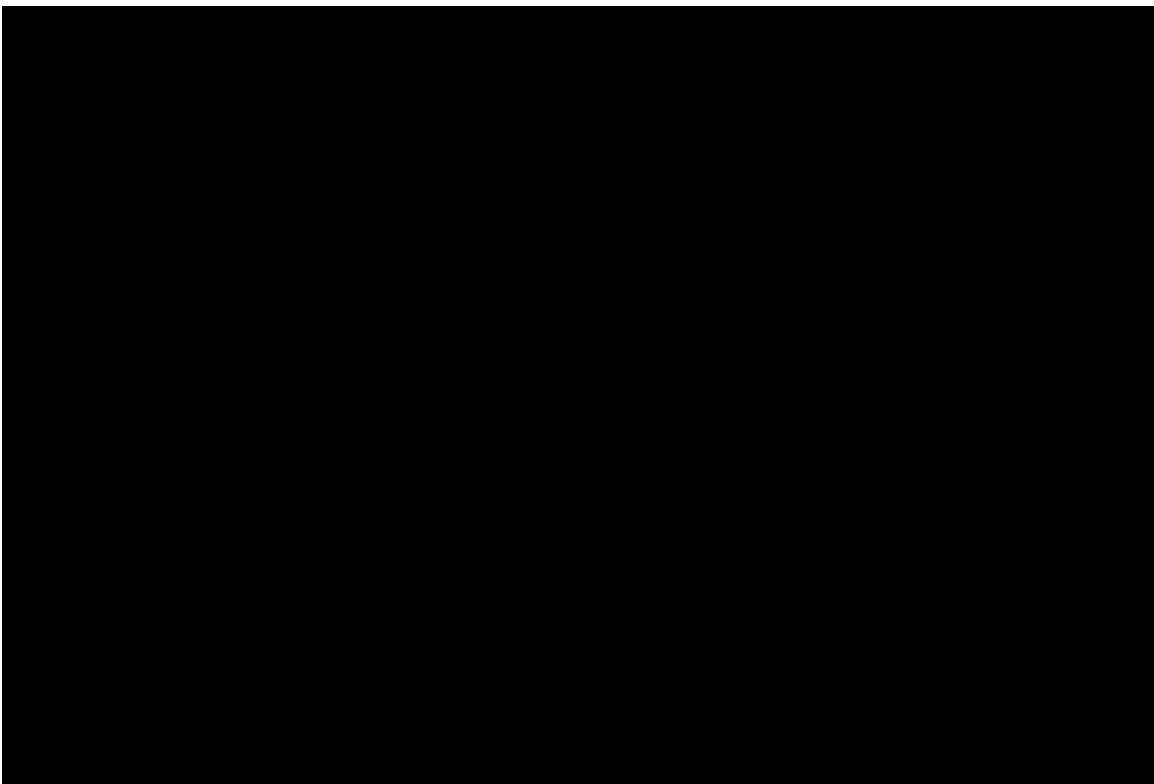
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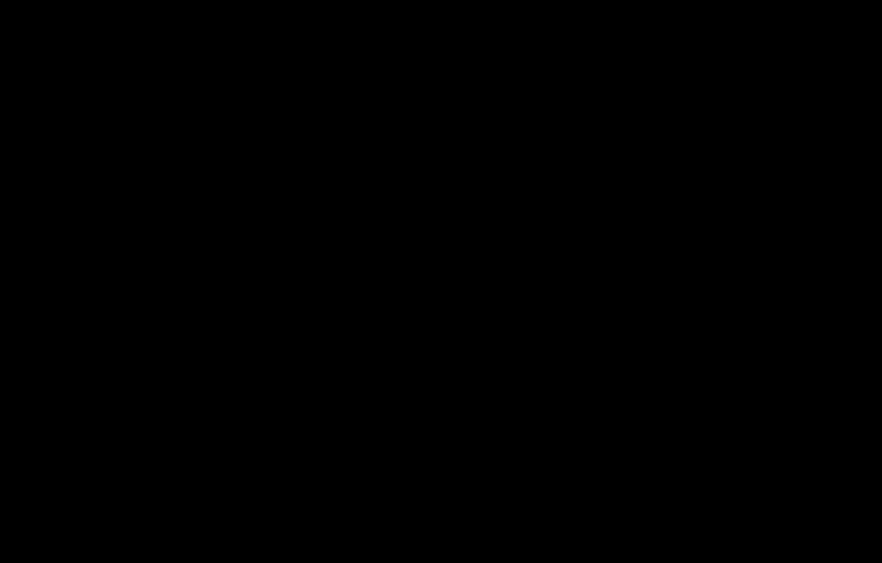
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Exposure time: 10 S







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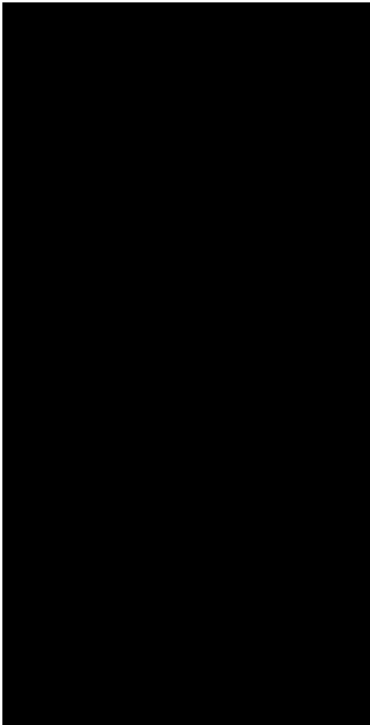
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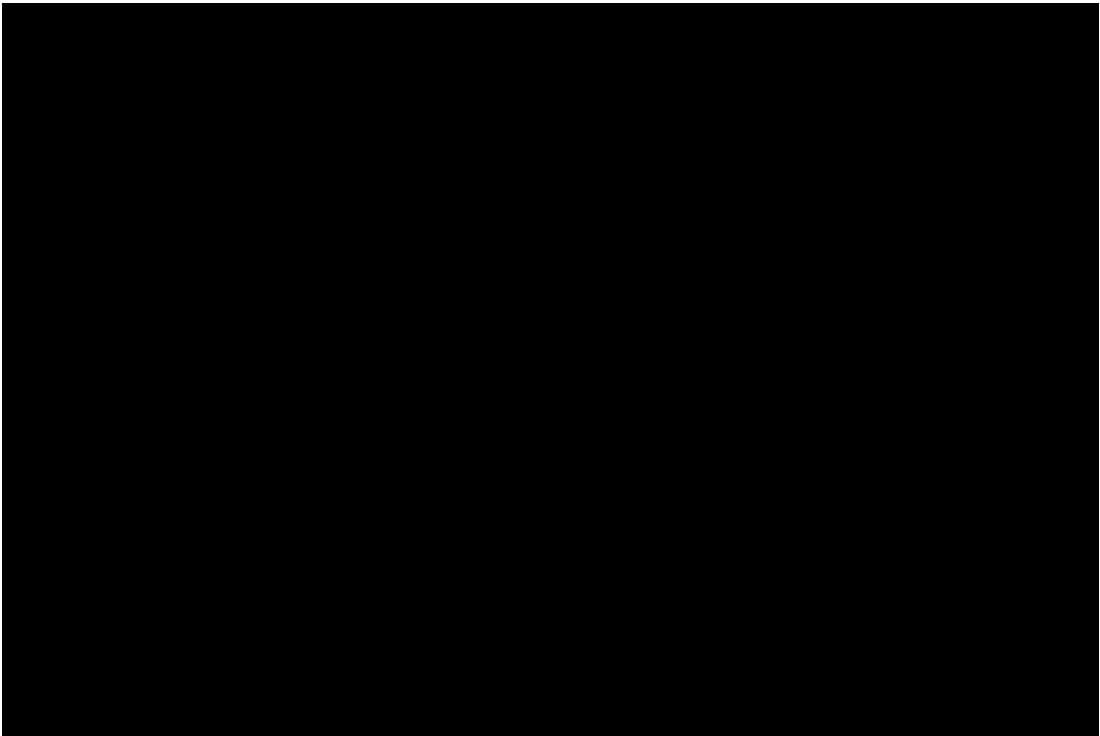
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the 1990s, the number of people in the United States who are 65 years of age or older has increased by 50 percent, and the number of people 75 years of age or older has increased by 75 percent. The number of people 85 years of age or older has increased by 150 percent. The number of people 95 years of age or older has increased by 300 percent. The number of people 100 years of age or older has increased by 500 percent. The number of people 105 years of age or older has increased by 1,000 percent. The number of people 110 years of age or older has increased by 2,000 percent. The number of people 115 years of age or older has increased by 4,000 percent. The number of people 120 years of age or older has increased by 8,000 percent. The number of people 125 years of age or older has increased by 16,000 percent. The number of people 130 years of age or older has increased by 32,000 percent. The number of people 135 years of age or older has increased by 64,000 percent. The number of people 140 years of age or older has increased by 128,000 percent. The number of people 145 years of age or older has increased by 256,000 percent. The number of people 150 years of age or older has increased by 512,000 percent. The number of people 155 years of age or older has increased by 1,024,000 percent. The number of people 160 years of age or older has increased by 2,048,000 percent. The number of people 165 years of age or older has increased by 4,096,000 percent. The number of people 170 years of age or older has increased by 8,192,000 percent. The number of people 175 years of age or older has increased by 16,384,000 percent. The number of people 180 years of age or older has increased by 32,768,000 percent. The number of people 185 years of age or older has increased by 65,536,000 percent. The number of people 190 years of age or older has increased by 131,072,000 percent. The number of people 195 years of age or older has increased by 262,144,000 percent. The number of people 200 years of age or older has increased by 524,288,000 percent. The number of people 205 years of age or older has increased by 1,048,576,000 percent. The number of people 210 years of age or older has increased by 2,097,152,000 percent. The number of people 215 years of age or older has increased by 4,194,304,000 percent. The number of people 220 years of age or older has increased by 8,388,608,000 percent. The number of people 225 years of age or older has increased by 16,777,216,000 percent. The number of people 230 years of age or older has increased by 33,554,432,000 percent. The number of people 235 years of age or older has increased by 67,108,864,000 percent. The number of people 240 years of age or older has increased by 134,217,728,000 percent. The number of people 245 years of age or older has increased by 268,435,456,000 percent. The number of people 250 years of age or older has increased by 536,870,912,000 percent. The number of people 255 years of age or older has increased by 1,073,741,824,000 percent. The number of people 260 years of age or older has increased by 2,147,483,648,000 percent. The number of people 265 years of age or older has increased by 4,294,967,296,000 percent. The number of people 270 years of age or older has increased by 8,589,934,592,000 percent. The number of people 275 years of age or older has increased by 17,179,869,184,000 percent. The number of people 280 years of age or older has increased by 34,359,738,368,000 percent. The number of people 285 years of age or older has increased by 68,719,476,736,000 percent. The number of people 290 years of age or older has increased by 137,438,953,472,000 percent. The number of people 295 years of age or older has increased by 274,877,906,944,000 percent. The number of people 300 years of age or older has increased by 549,755,813,888,000 percent. The number of people 305 years of age or older has increased by 1,099,511,627,776,000 percent. The number of people 310 years of age or older has increased by 2,199,023,255,552,000 percent. The number of people 315 years of age or older has increased by 4,398,046,511,104,000 percent. The number of people 320 years of age or older has increased by 8,796,093,022,208,000 percent. The number of people 325 years of age or older has increased by 17,592,186,044,416,000 percent. The number of people 330 years of age or older has increased by 35,184,372,088,832,000 percent. The number of people 335 years of age or older has increased by 70,368,744,177,664,000 percent. The number of people 340 years of age or older has increased by 140,737,488,355,328,000 percent. The number of people 345 years of age or older has increased by 281,474,976,710,656,000 percent. The number of people 350 years of age or older has increased by 562,949,953,421,312,000 percent. The number of people 355 years of age or older has increased by 1,125,899,906,842,624,000 percent. The number of people 360 years of age or older has increased by 2,251,799,813,685,248,000 percent. The number of people 365 years of age or older has increased by 4,503,599,627,370,496,000 percent. The number of people 370 years of age or older has increased by 9,007,199,254,740,992,000 percent. The number of people 375 years of age or older has increased by 18,014,398,509,481,984,000 percent. The number of people 380 years of age or older has increased by 36,028,797,018,963,968,000 percent. The number of people 385 years of age or older has increased by 72,057,594,037,927,936,000 percent. The number of people 390 years of age or older has increased by 144,115,188,075,855,872,000 percent. The number of people 395 years of age or older has increased by 288,230,376,151,711,744,000 percent. The number of people 400 years of age or older has increased by 576,460,752,303,423,488,000 percent. The number of people 405 years of age or older has increased by 1,152,921,504,606,846,976,000 percent. The number of people 410 years of age or older has increased by 2,305,843,009,213,693,952,000 percent. The number of people 415 years of age or older has increased by 4,611,686,018,427,387,904,000 percent. The number of people 420 years of age or older has increased by 9,223,372,036,854,775,808,000 percent. The number of people 425 years of age or older has increased by 18,446,744,073,709,551,616,000 percent. The number of people 430 years of age or older has increased by 36,893,488,147,419,103,232,000 percent. The number of people 435 years of age or older has increased by 73,786,976,294,838,206,464,000 percent. The number of people 440 years of age or older has increased by 147,573,952,589,676,412,928,000 percent. The number of people 445 years of age or older has increased by 295,147,905,179,352,825,856,000 percent. The number of people 450 years of age or older has increased by 590,295,810,358,705,651,712,000 percent. The number of people 455 years of age or older has increased by 1,180,591,620,717,411,303,424,000 percent. The number of people 460 years of age or older has increased by 2,361,183,241,434,822,606,848,000 percent. The number of people 465 years of age or older has increased by 4,722,366,482,869,645,213,696,000 percent. The number of people 470 years of age or older has increased by 9,444,732,965,739,290,427,392,000 percent. The number of people 475 years of age or older has increased by 18,889,465,931,478,580,854,784,000 percent. The number of people 480 years of age or older has increased by 37,778,931,862,957,161,709,568,000 percent. The number of people 485 years of age or older has increased by 75,557,863,725,914,323,419,136,000 percent. The number of people 490 years of age or older has increased by 151,115,727,451,828,646,838,272,000 percent. The number of people 495 years of age or older has increased by 302,231,454,903,657,293,676,544,000 percent. The number of people 500 years of age or older has increased by 604,462,909,807,314,587,353,088,000 percent. The number of people 505 years of age or older has increased by 1,208,925,819,614,629,174,706,176,000 percent. The number of people 510 years of age or older has increased by 2,417,851,639,229,258,349,412,352,000 percent. The number of people 515 years of age or older has increased by 4,835,703,278,458,516,698,824,704,000 percent. The number of people 520 years of age or older has increased by 9,671,406,556,917,033,397,649,408,000 percent. The number of people 525 years of age or older has increased by 19,342,813,113,834,066,795,298,816,000 percent. The number of people 530 years of age or older has increased by 38,685,626,227,668,133,590,597,632,000 percent. The number of people 535 years of age or older has increased by 77,371,252,455,336,267,181,195,264,000 percent. The number of people 540 years of age or older has increased by 154,742,504,910,672,534,362,390,528,000 percent. The number of people 545 years of age or older has increased by 309,485,009,821,345,068,724,781,056,000 percent. The number of people 550 years of age or older has increased by 618,970,019,642,690,137,449,562,112,000 percent. The number of people 555 years of age or older has increased by 1,237,940,039,285,380,274,899,124,224,000 percent. The number of people 560 years of age or older has increased by 2,475,880,078,570,760,549,798,248,448,000 percent. The number of people 565 years of age or older has increased by 4,951,760,157,141,521,099,596,496,896,000 percent. The number of people 570 years of age or older has increased by 9,903,520,314,283,042,199,193,993,792,000 percent. The number of people 575 years of age or older has increased by 19,807,040

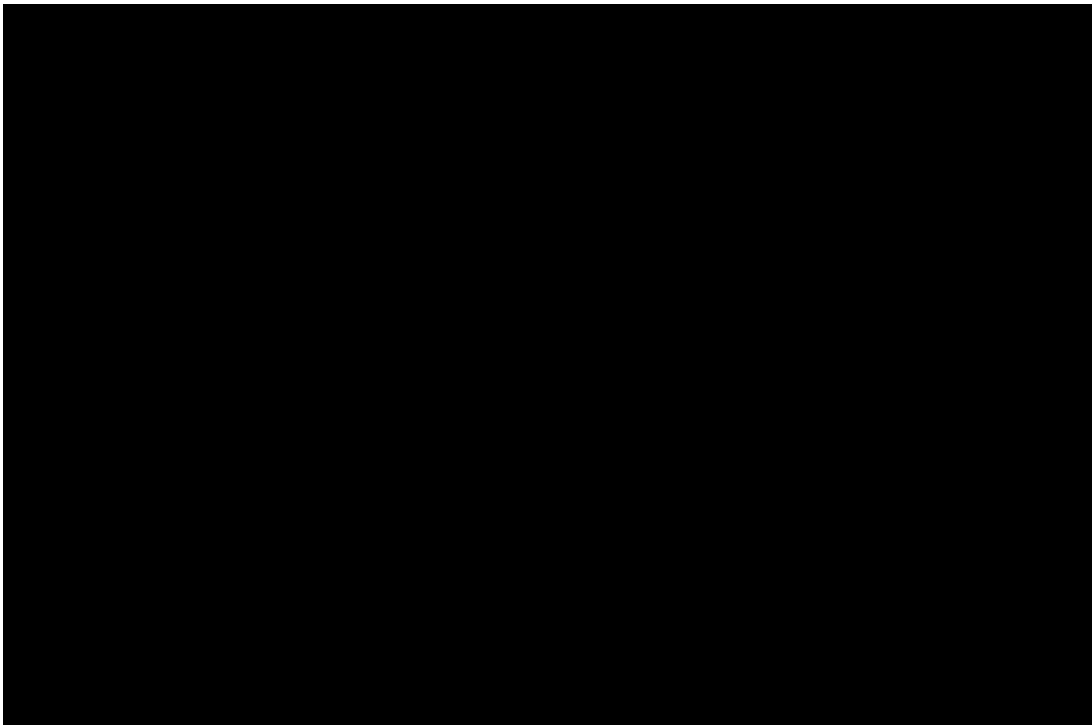


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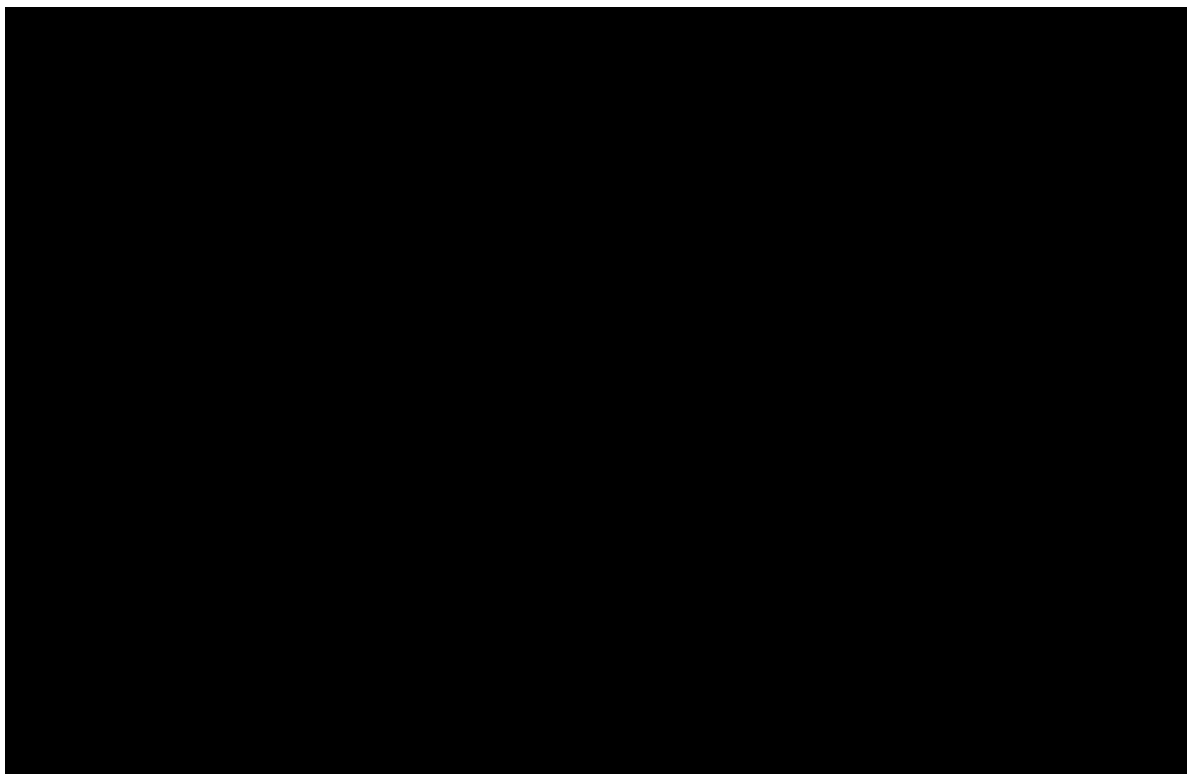


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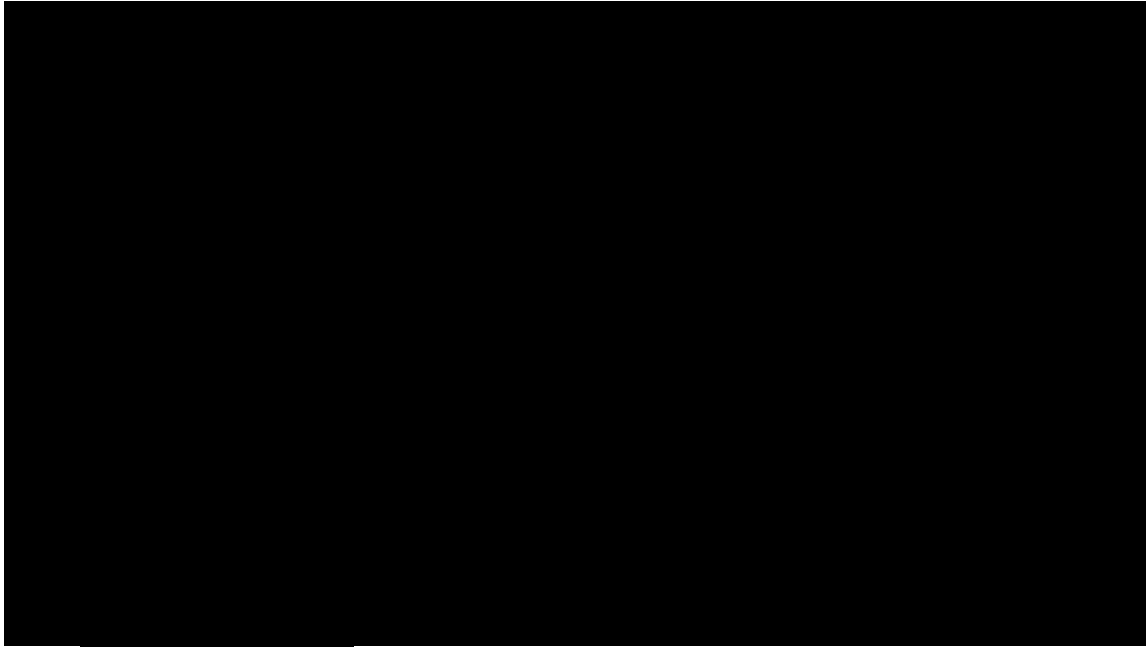




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From: Ben Thornton <gthornton@cassavasciences.com>
Sent time: 08/13/2020 12:21:09 AM
To: qxx07a@acu.edu; Hoau-Yan wang <[REDACTED]@gmail.com>; Hoau-yan Wang
Subject: [EXTERNAL] Re: 20200812 results

POL 87(2)(d)

Hi John. Definitely moving in the right direction. Let's talk in the morning when you have time. Thanks. Ben

Get [Outlook for iOS](#)

From: Qiang Xu <qxx07a@acu.edu>
Sent: Wednesday, August 12, 2020 10:23 PM
To: Ben Thornton; Hoau-Yan wang; Hoau-Yan Wang
Subject: [REDACTED]

Hi Ben and Hoau,

Hope you are well! [REDACTED]

Blessings,

John

--

Qiang (John) Xu, Ph.D.
Professor
Department of Biology
Abilene Christian University
ACU Box 27868
Abilene, Texas 79699-7868
325-674-4883
fax 325-674-2009
qxu@acu.edu

From: Qiang Xu <qxx07a@acu.edu>

Sent time: 08/17/2020 02:04:58 AM

To: Ben Thornton <gthornton@cassavasciences.com>; Hoau-Yan wang <[REDACTED]@gmail.com>; Hoau-yan Wang

Subject: [REDACTED]
[REDACTED]

POL 87(2)(d)

Hi Ben and Hoau,

Hope you both are well! [REDACTED]

Blessings,

John

--

Qiang (John) Xu, Ph.D.

Professor

Department of Biology

Abilene Christian University

ACU Box 27868

Abilene, Texas 79699-7868

325-674-4883

fax 325-674-2009

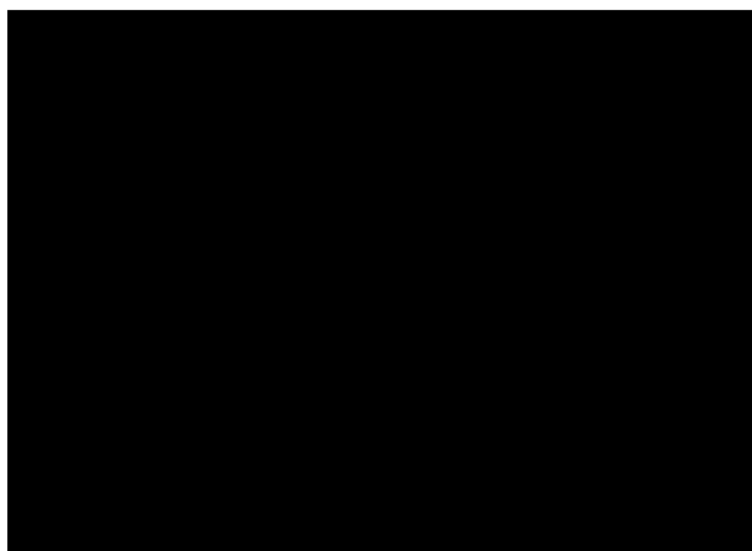
qxu@acu.edu

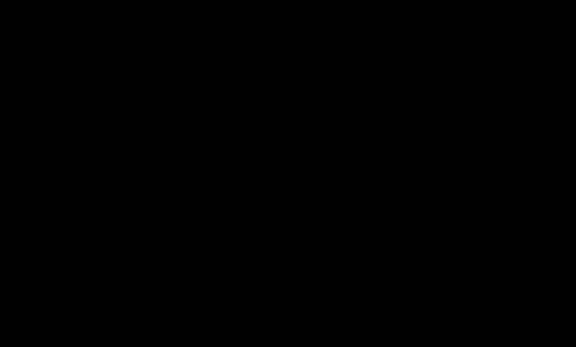
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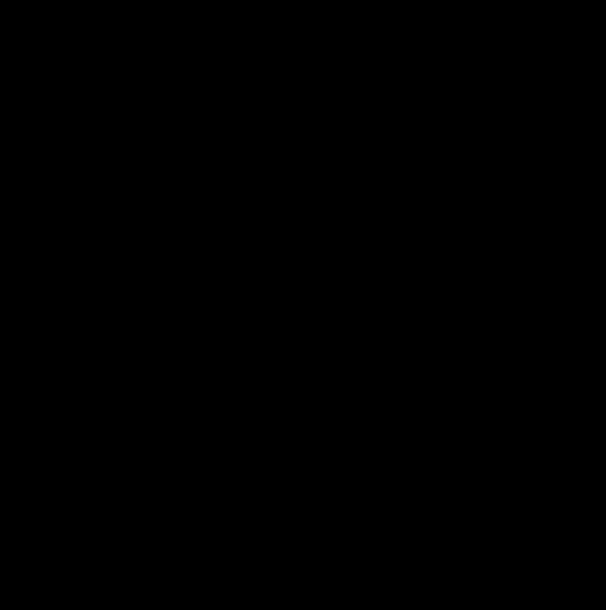
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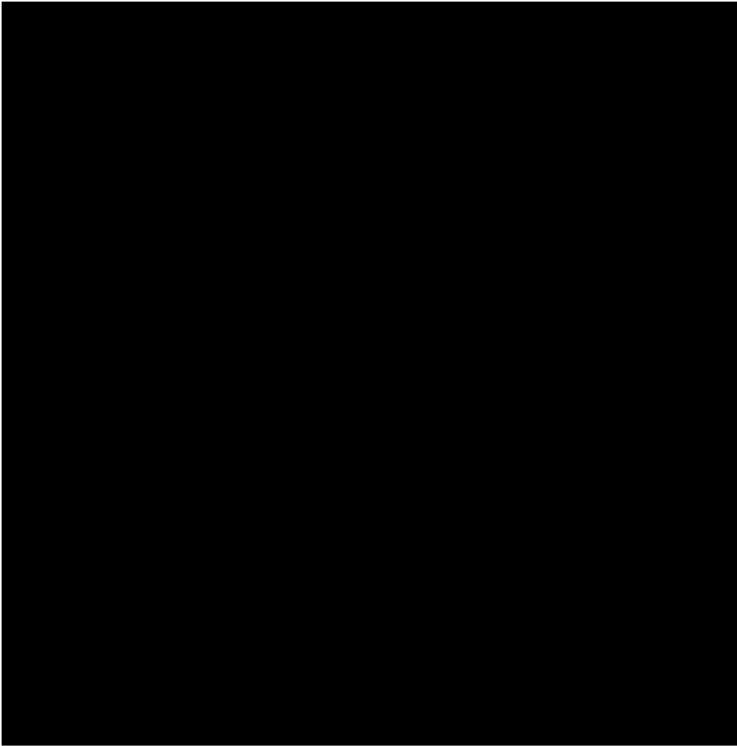
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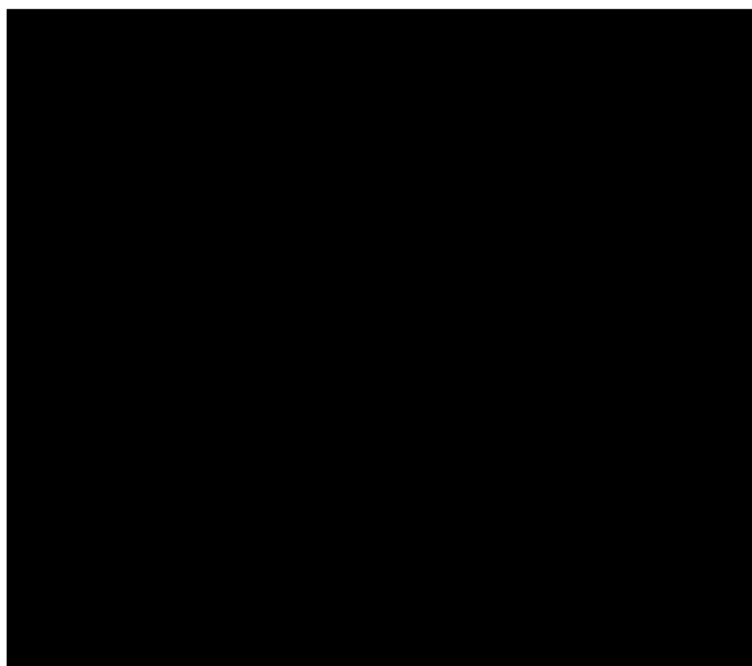


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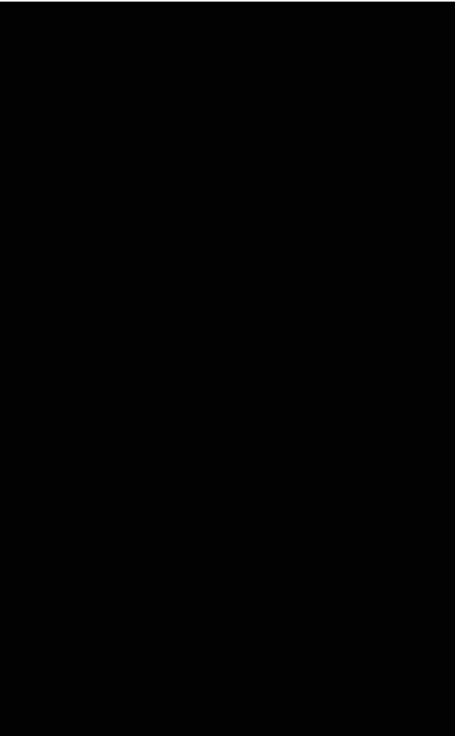
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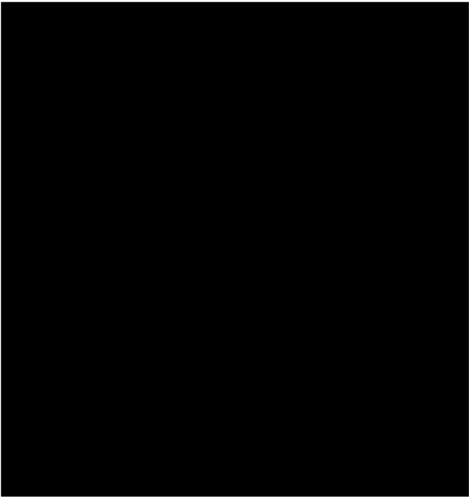
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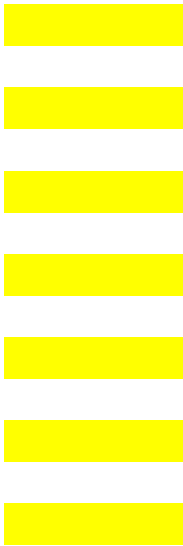
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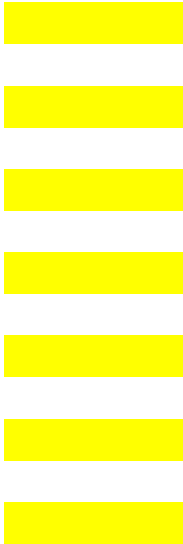
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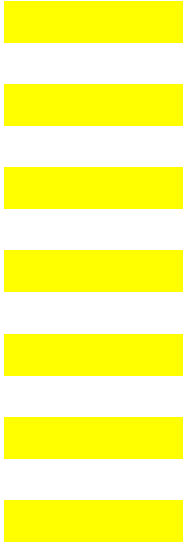
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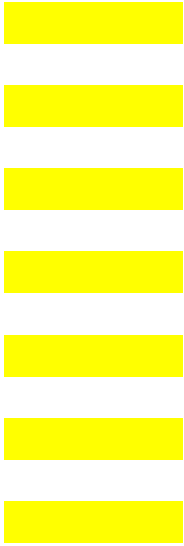


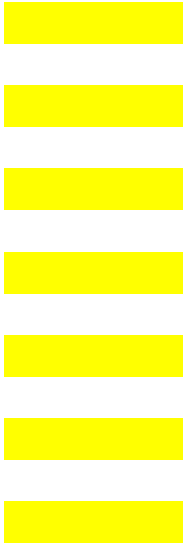










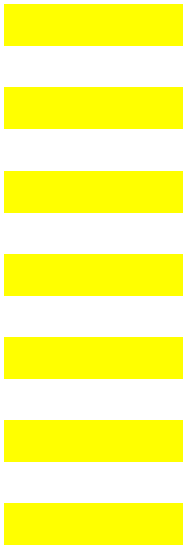












From: Qiang Xu <qxx07a@acu.edu>

POL 87(2)(d)

Sent time: 08/23/2020 11:52:13 PM

To: Ben Thornton [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Hi Ben and Hoau,

Hope you both are well! [REDACTED]

Have a blessed week,

John

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Qiang (John) Xu, Ph.D.

Professor

Department of Biology

Abilene Christian University

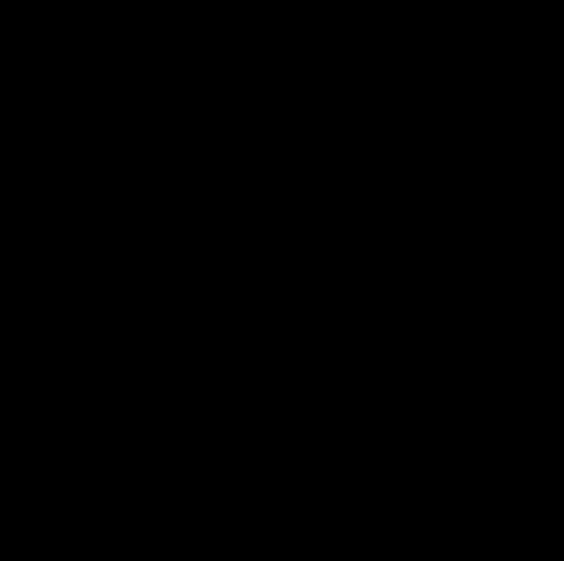
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Abilene, Texas 79699-7868

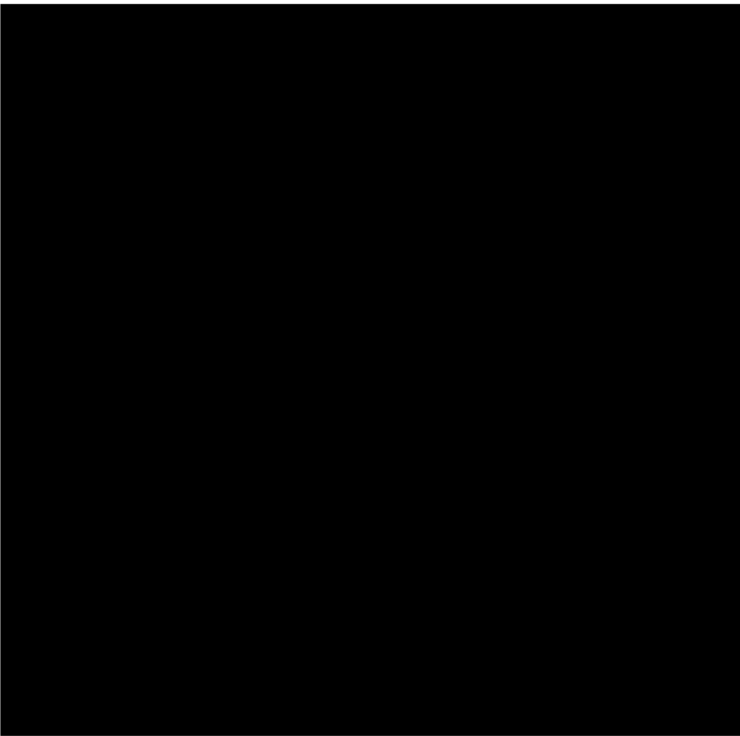
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fax 325-674-2009

qxu@acu.edu

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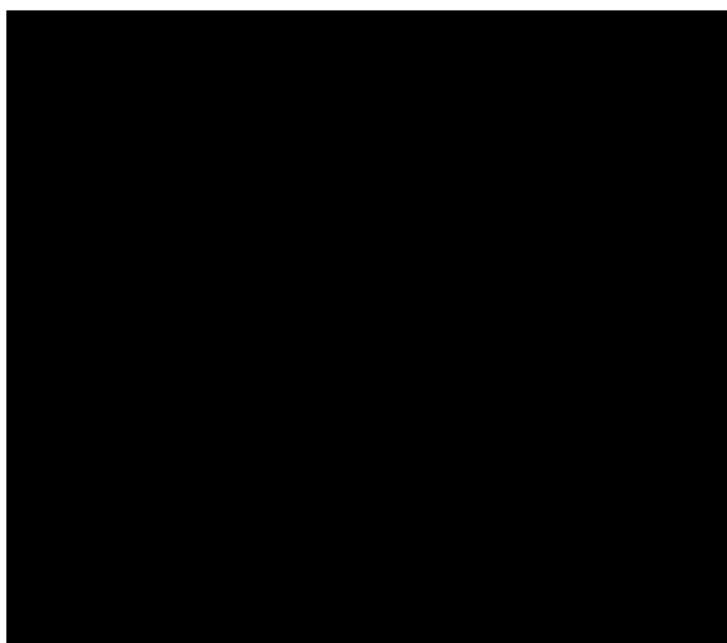
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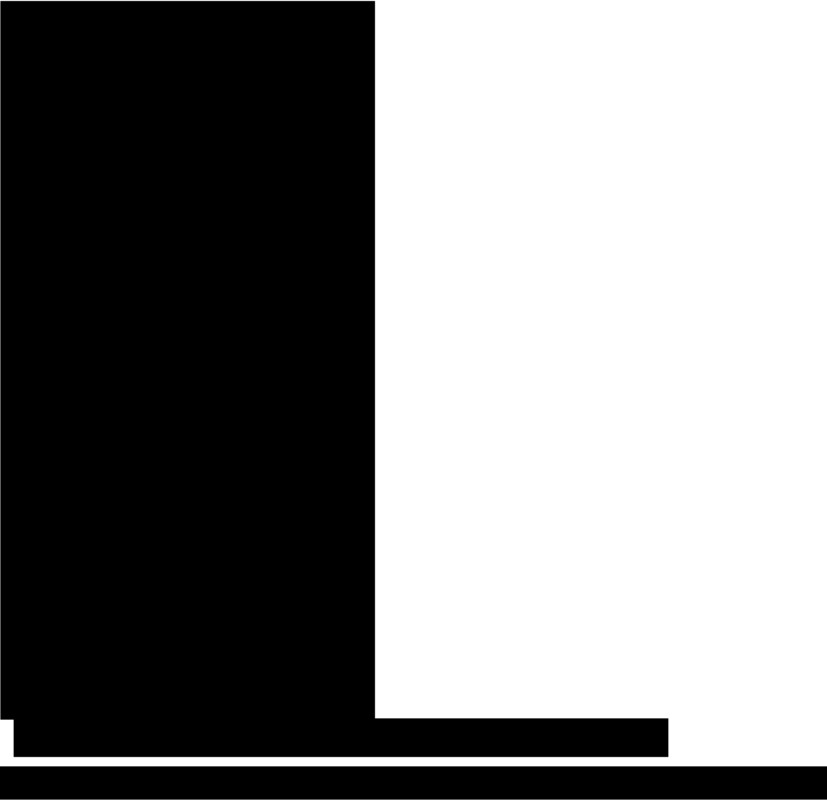
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From: Qiang Xu <qxx07a@acu.edu>
Sent time: 08/24/2020 08:28:02 PM
To: [REDACTED]@gmail.com; gthornton@cassavasciences.com; Hoau-yan Wang
Subject: [EXTERNAL] Invitation: Cassava Zoom Meeting @ Tue Aug 25, 2020 8pm - 9pm (EDT) (hywang@med.cuny.edu)
Attachments: invite.ics

You have been invited to the following event.

Cassava Zoom Meeting

When Tue Aug 25, 2020 8pm – 9pm Eastern Time - New York

[more details »](#)

Where <https://acuonline.zoom.us/j/7452647988> ([map](#))

Calendar hywang@med.cuny.edu

Who

- Qiang Xu - organizer
- hywang@med.cuny.edu
- [REDACTED]@gmail.com
- gthornton@cassavasciences.com

Qiang Xu is inviting you to a scheduled Zoom meeting.

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From: Qiang Xu <qxx07a@acu.edu>
Sent time: 08/30/2020 11:44:11 PM
To: Ben Thornton <gthornton@cassavasciences.com>; Hoau-yan Wang; Hoau-Yan wang <[REDACTED]@gmail.com>
Subject: [EXTERNAL] [REDACTED]
[REDACTED] [REDACTED]

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Hi Ben and Hoau,

Hope you are well! [REDACTED]

Blessings,

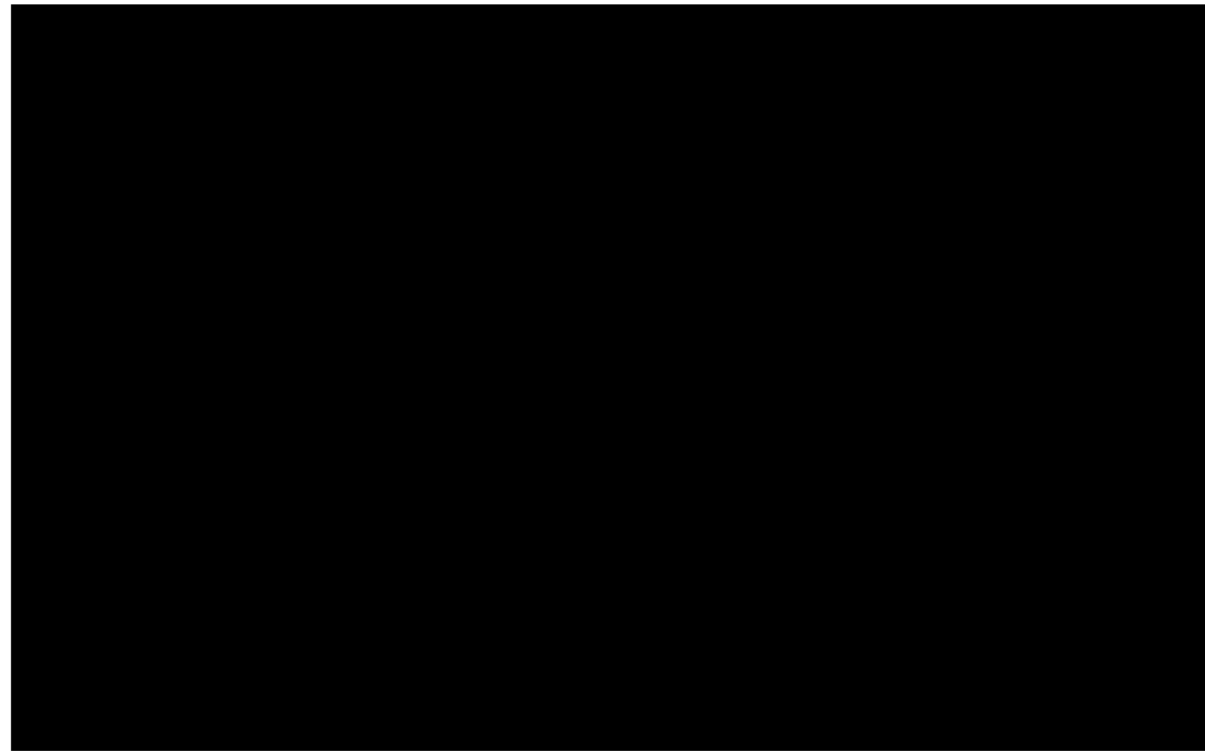
John

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325-674-4883
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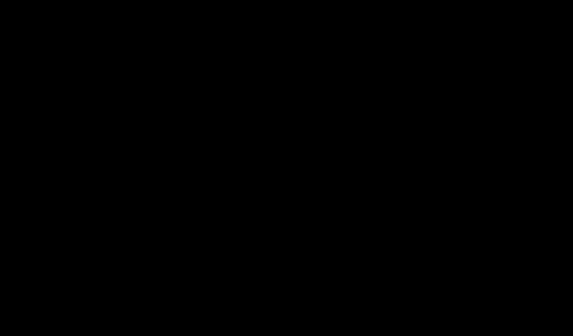
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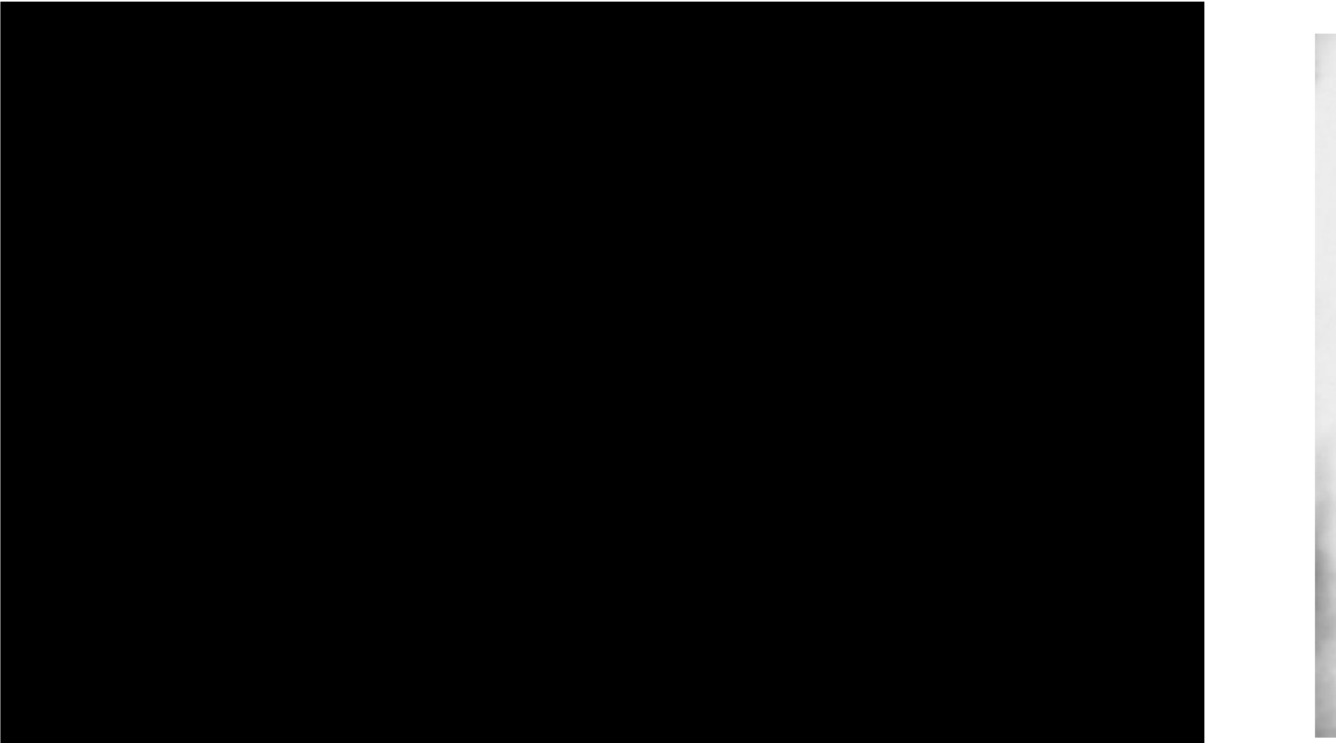
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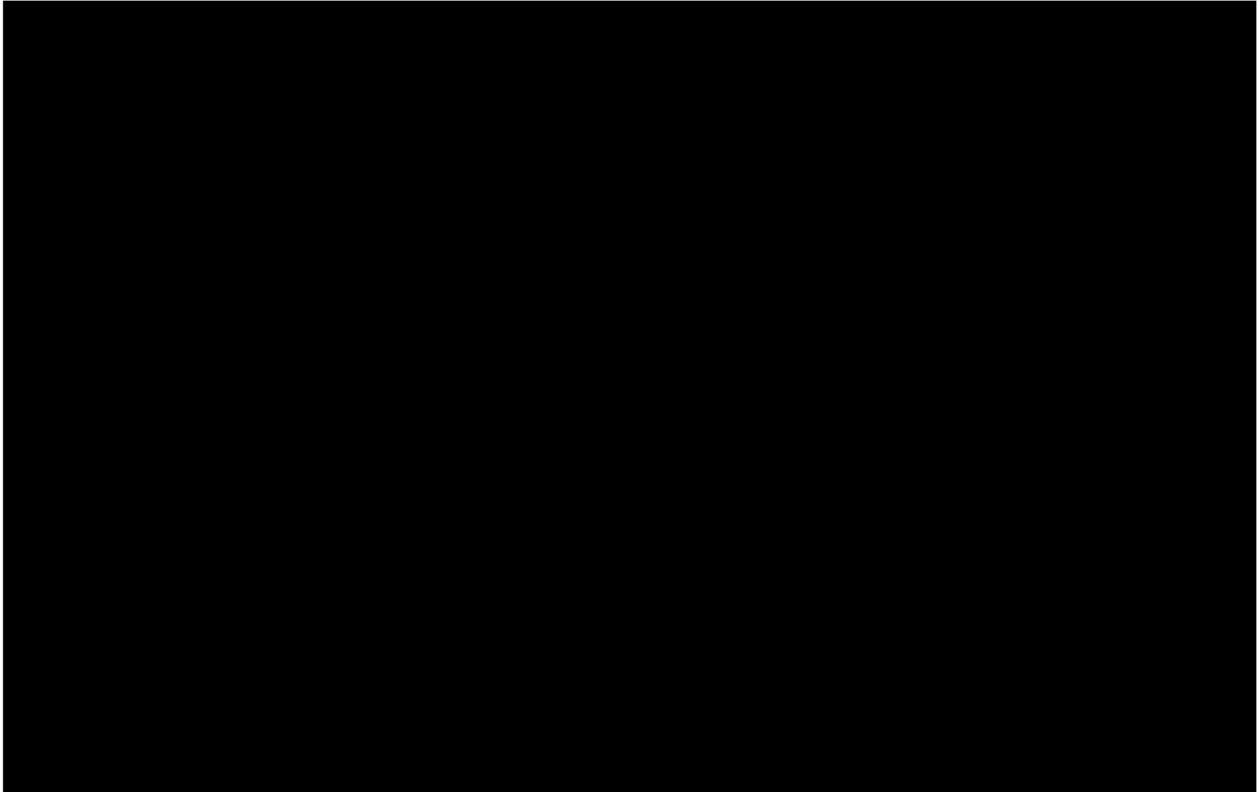
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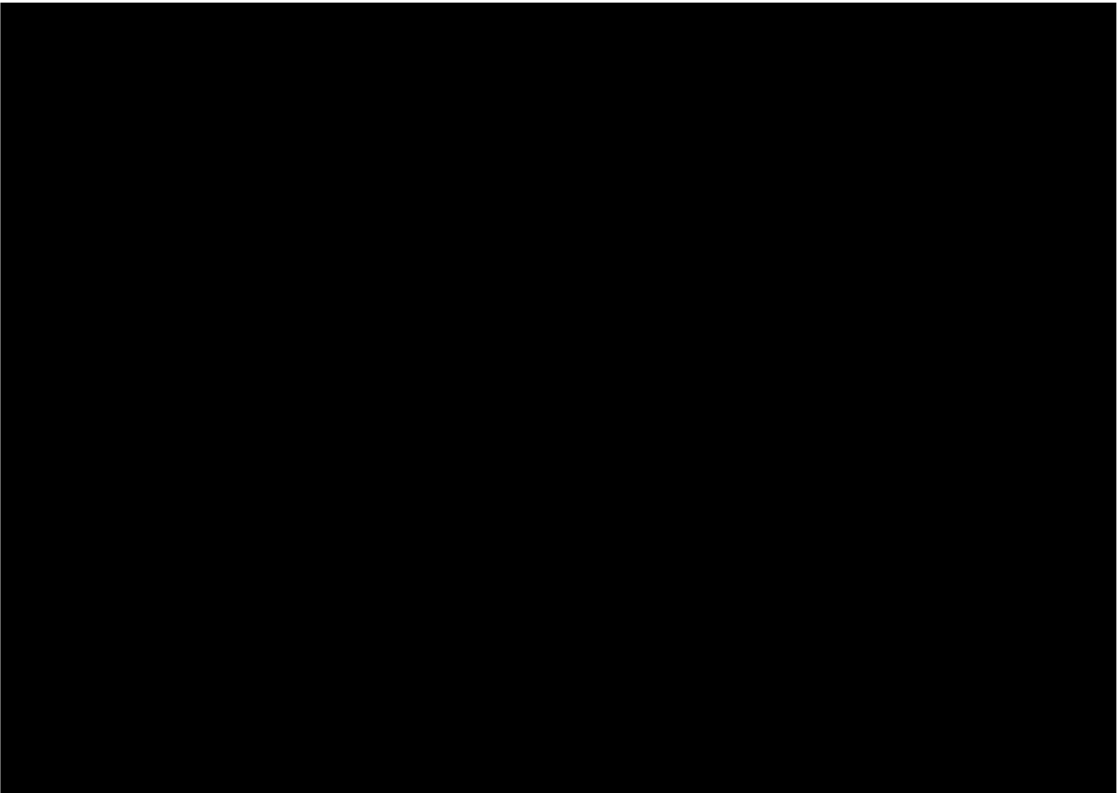
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1. *Journal of the American Medical Association*, 2000; 283: 2689-2695.

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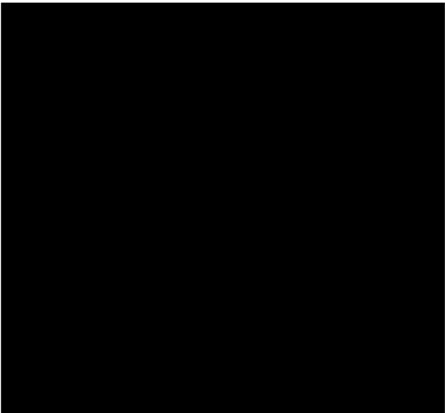
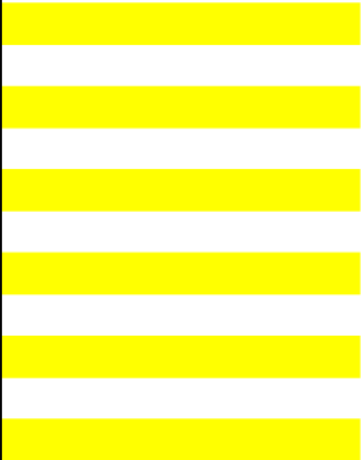
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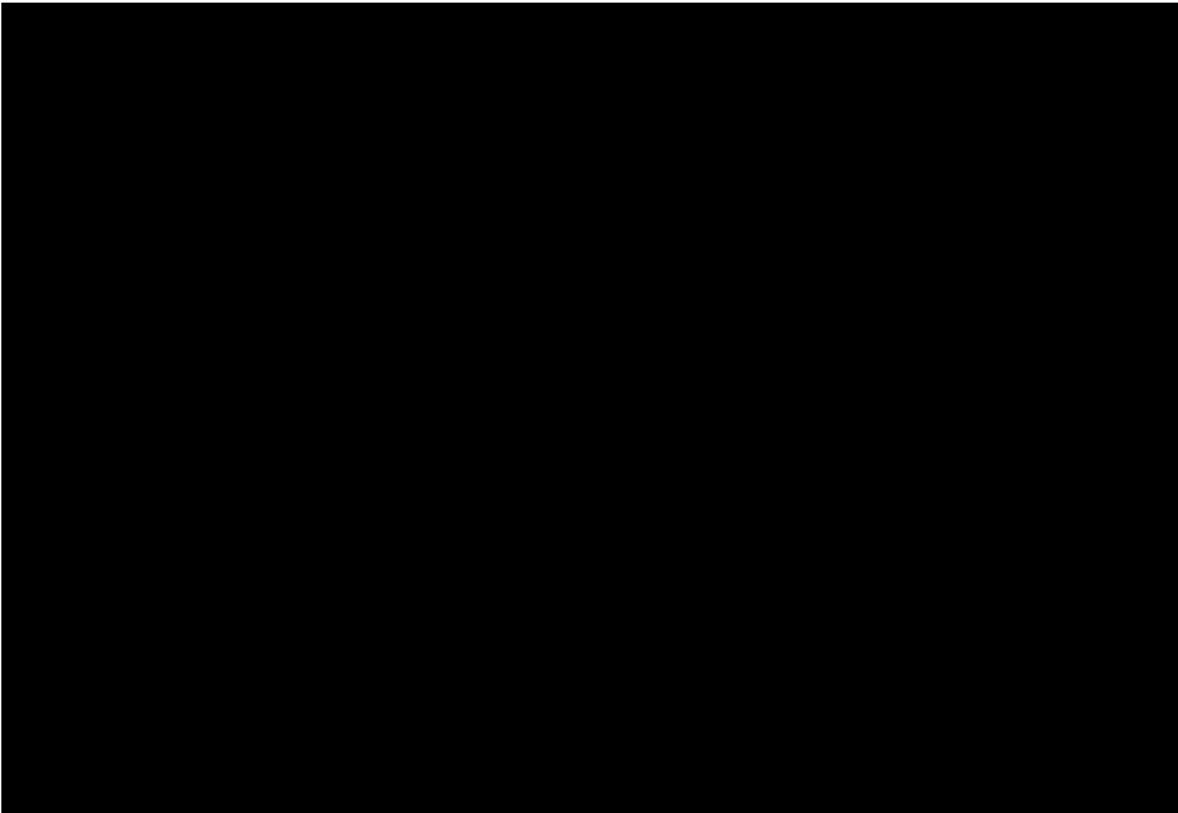


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1. *Journal of the American Medical Association*, 2000; 284: 2689-2695.

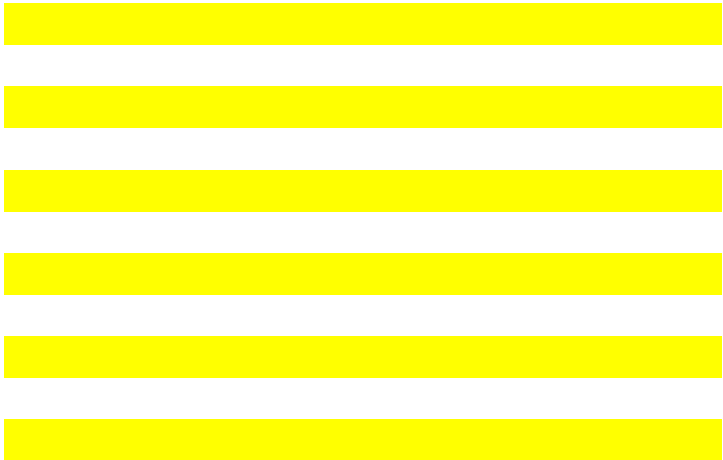
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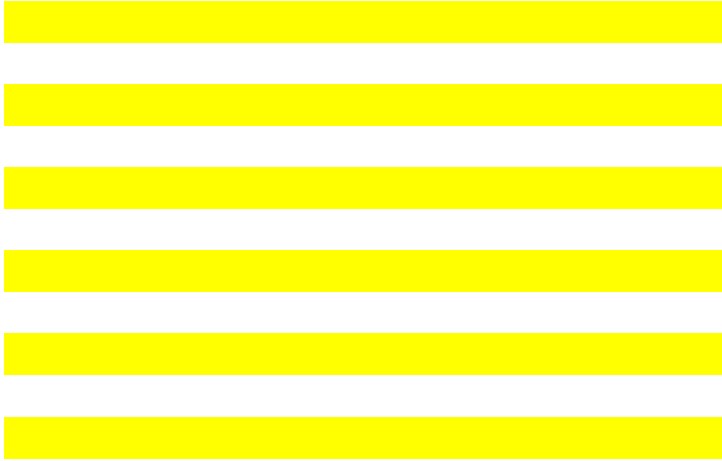




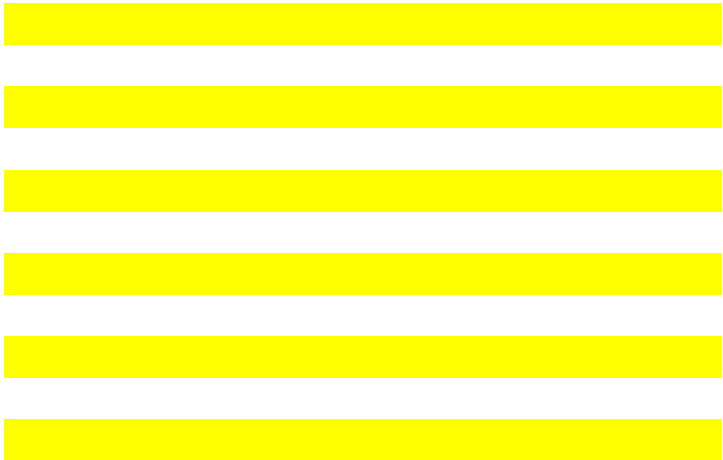
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To: Hoau-yan Wang
Cc: Ben Thornton <gthornton@cassavasciences.com>
Subject: Re: [EXTERNAL] SDS-PAGE supply

POL 87(2)(d)

Hi Hoau,

I have another question for you. [REDACTED] I am sorry that I have been bombarding you with too many questions today. :)

Blessings,

John

On Wed, Jul 22, 2020 at 2:05 PM Hoau-yan Wang <hywang@med.cuny.edu> wrote:

Hi John,

Sorry for my late reply. Yes [REDACTED]
[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Let me know if you have any questions.

Thanks.

Hoau

From: Qiang Xu <qxx07a@acu.edu>
Sent: Tuesday, July 21, 2020 5:49 PM
To: Hoau-Yan wang; Hoau-yan Wang
Cc: Ben Thornton
Subject: [EXTERNAL] SDS-PAGE supply

Hi Hoau,

Hope you and yours are doing well!

When you have time, could you give me some advice on how to make the gels from scratch? If you could let me know where to order those supplies, that will be great!

Have a blessed rest of your week,

John

--

Qiang (John) Xu, Ph.D.
Professor
Department of Biology
Abilene Christian University
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325-674-4883
fax 325-674-2009
qxu@acu.edu

--

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Abilene, Texas 79699-7868
325-674-4883
fax 325-674-2009
qxu@acu.edu

From: Hoau-yan Wang
Sent time: 09/02/2020 11:24:38 PM
To: qxx07a@acu.edu
Cc: Ben Thornton <gthornton@cassavasciences.com>
Subject: Re: [EXTERNAL] SDS-PAGE supply

POL 87(2)(d)

Thanks.

Hoau

From: Qiang Xu <qxx07a@acu.edu>
Sent: Wednesday, September 2, 2020 4:01 PM
To: Hoau-yan Wang
Cc: Ben Thornton
Subject: Re: [EXTERNAL] SDS-PAGE supply

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Blessings,

John

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Cc: Ben Thornton
Subject: [EXTERNAL] SDS-PAGE supply

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[REDACTED]

Have a blessed rest of your week,

John

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From: Qiang Xu <qxx07a@acu.edu>
Sent time: 09/02/2020 11:27:47 PM
To: Hoau-yan Wang
Cc: Ben Thornton <gthornton@cassavasciences.com>
Subject: Re: [EXTERNAL] SDS-PAGE supply

POL 87(2)(d)

Thank you, Hoau!

On Wed, Sep 2, 2020 at 10:24 PM Hoau-yan Wang <hywang@med.cuny.edu> wrote:

[REDACTED]

Thanks.

Hoau

From: Qiang Xu <qxx07a@acu.edu>
Sent: Wednesday, September 2, 2020 4:01 PM
To: Hoau-yan Wang
Cc: Ben Thornton
Subject: Re: [EXTERNAL] SDS-PAGE supply

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John

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[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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From: Qiang Xu <qxx07a@acu.edu>
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To: Hoau-Yan wang; Hoau-yan Wang
Cc: Ben Thornton
Subject: [EXTERNAL] SDS-PAGE supply

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[REDACTED]

[REDACTED]

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fax 325-674-2009
qxu@acu.edu

From: Qiang Xu <qxx07a@acu.edu>

Sent time: 09/07/2020 05:56:17 PM

To: Ben Thornton <gthornton@cassavasciences.com>; Hoau-Yan wang <[REDACTED]@gmail.com>; Hoau-yan Wang

Subject: [EXTERNAL] [REDACTED]
[REDACTED] [REDACTED]

POL 87(2)(d)

Hi Ben and Hoau,

Hope you are having a good holiday weekend! [REDACTED]

Many blessings,

John

--

Qiang (John) Xu, Ph.D.

Professor

Department of Biology

Abilene Christian University

ACU Box 27868

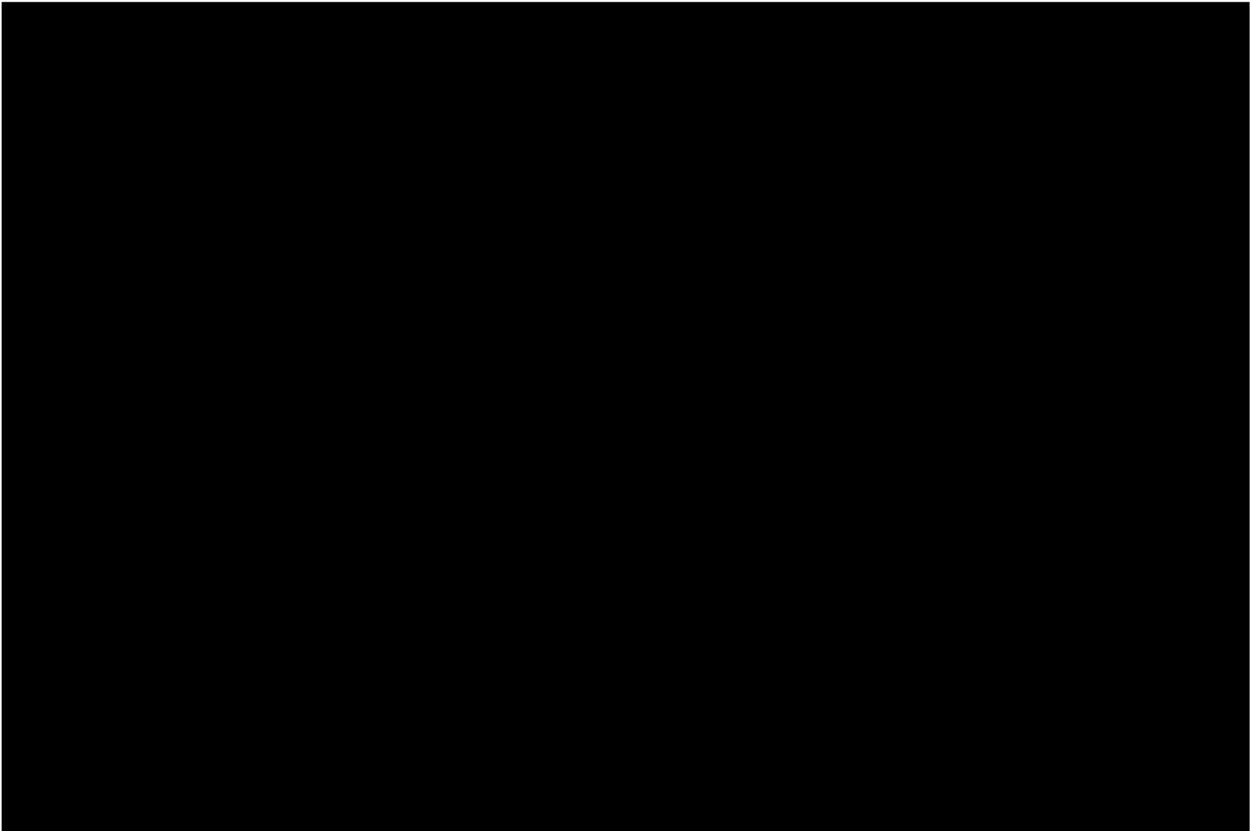
Abilene, Texas 79699-7868

325-674-4883

fax 325-674-2009

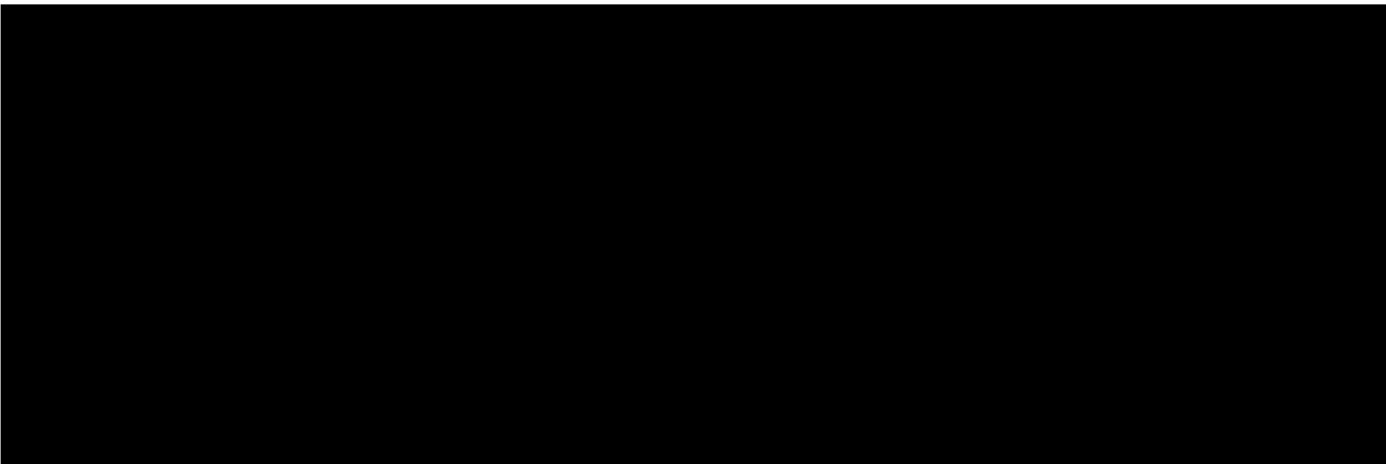
qxu@acu.edu

[illegible]



[REDACTED]

Figure 1. The effect of the number of trials on the number of correct responses. The number of correct responses was significantly higher than the number of incorrect responses for all groups. The number of correct responses was significantly higher than the number of incorrect responses for all groups. The number of correct responses was significantly higher than the number of incorrect responses for all groups.

[illegible]

[illegible]

[REDACTED]

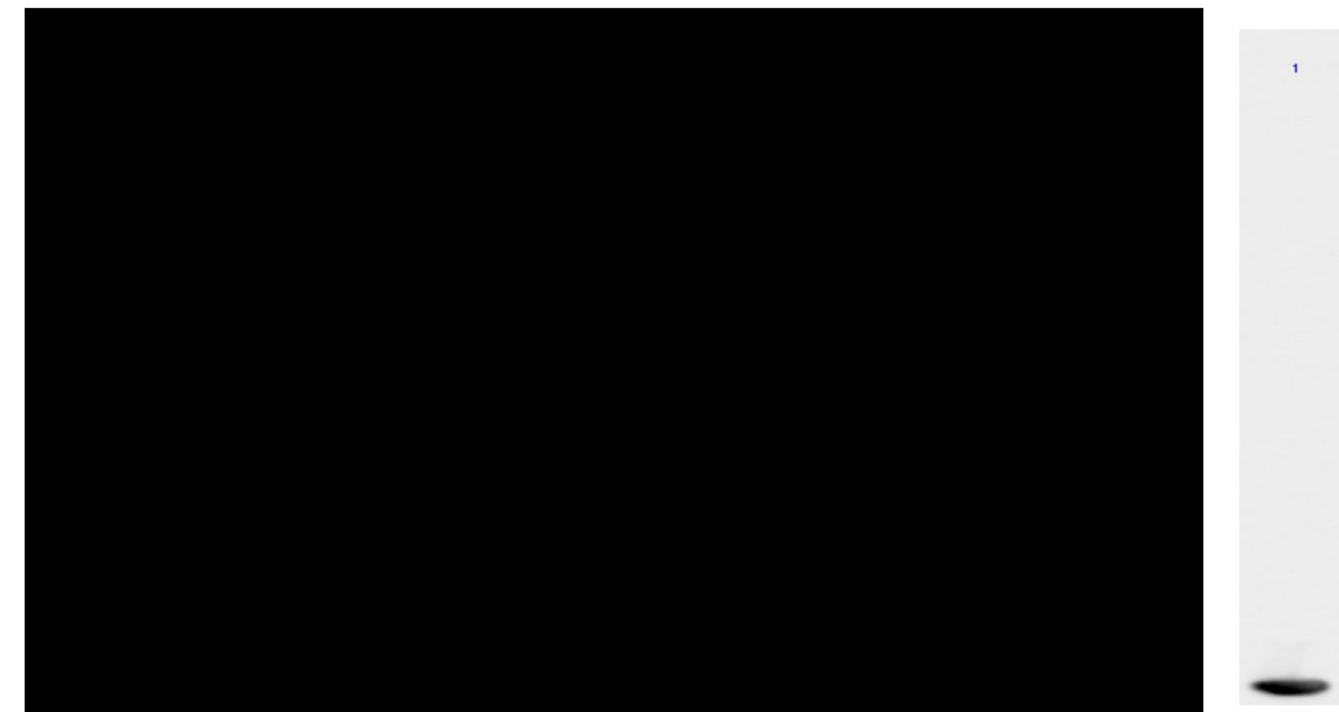
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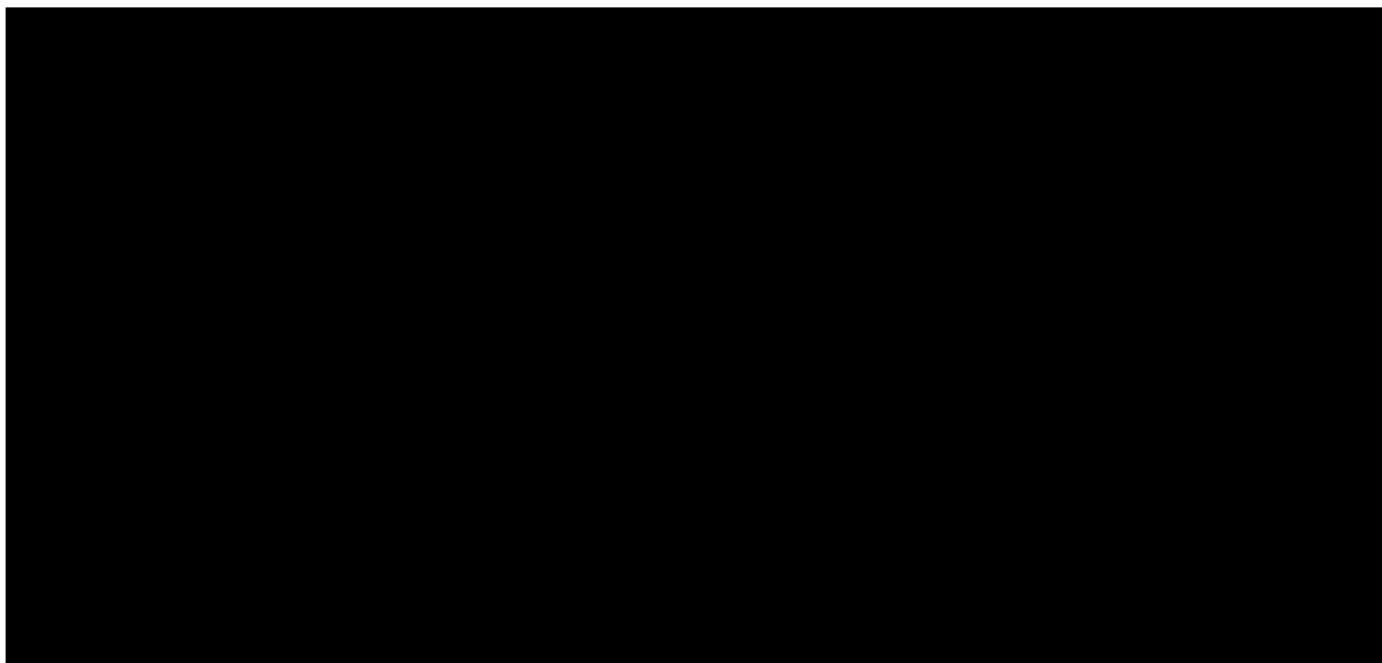


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[illegible]

[illegible]



[REDACTED]

[REDACTED]

[REDACTED]

[illegible]

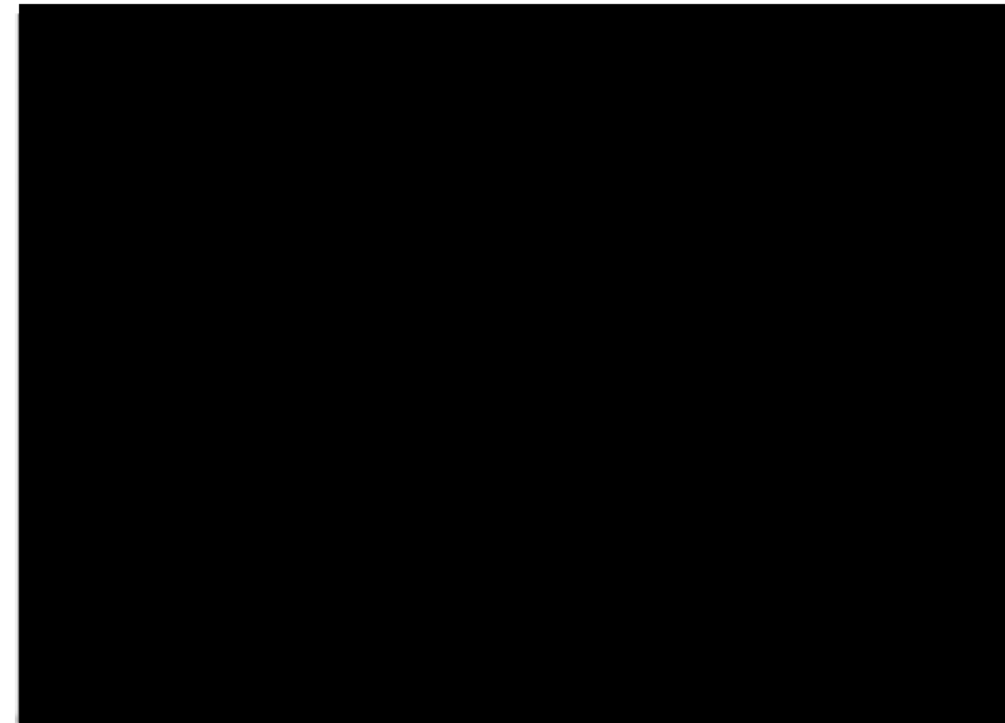


[REDACTED]

[REDACTED]

[REDACTED]

[illegible]



[illegible]

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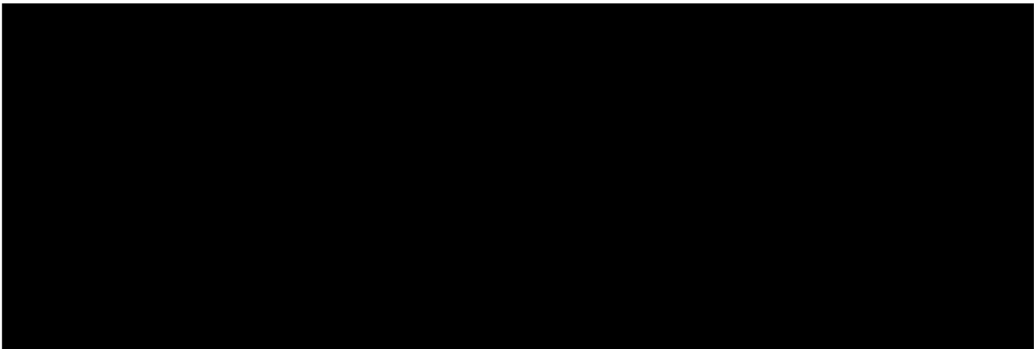
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1. *Journal of the American Medical Association*, 2000; 283: 2689-2695.

[illegible]

[REDACTED]

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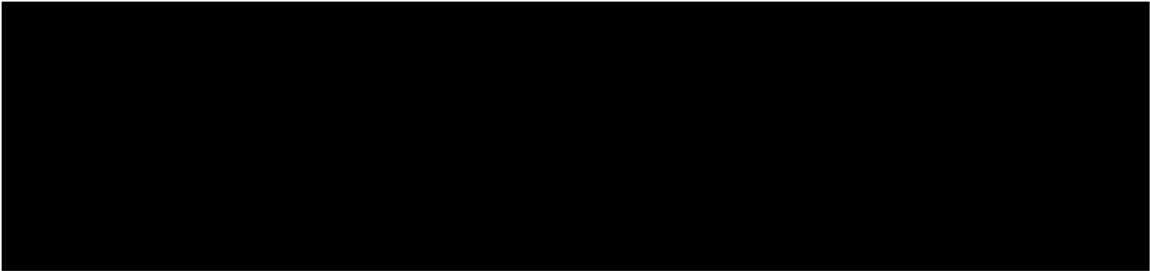
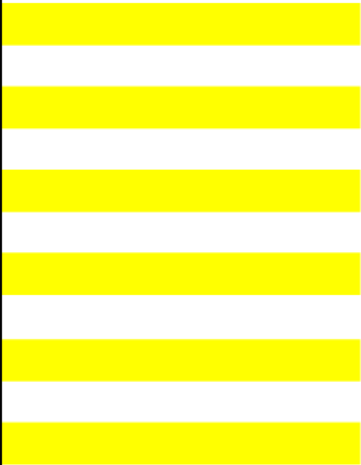


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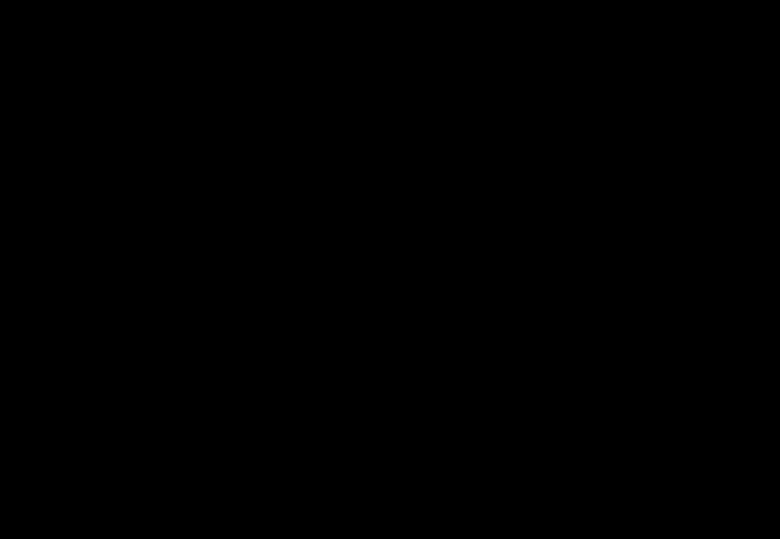
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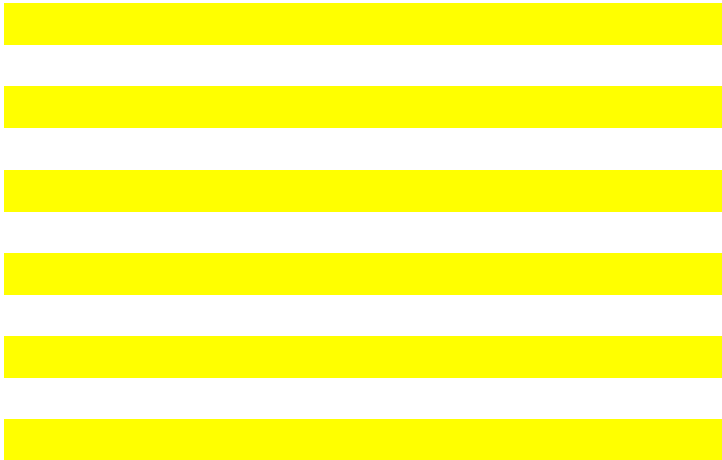
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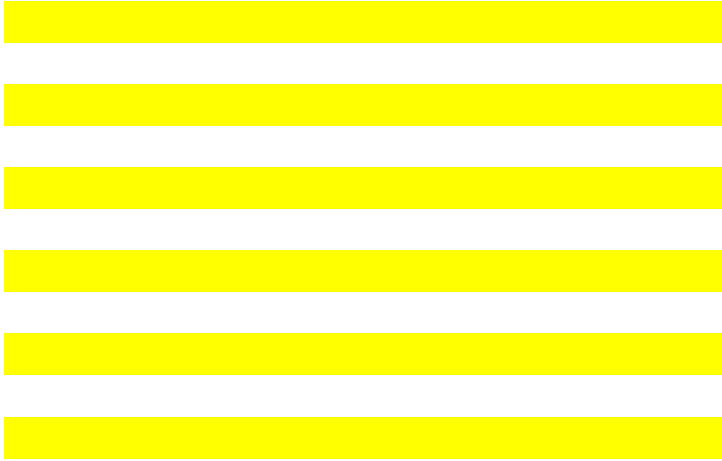
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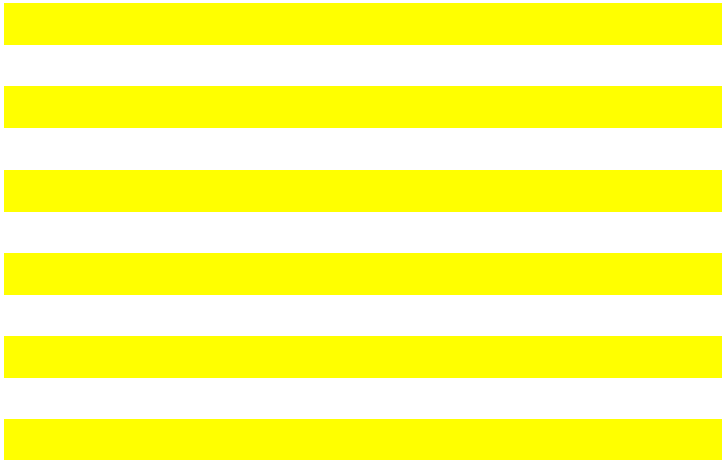




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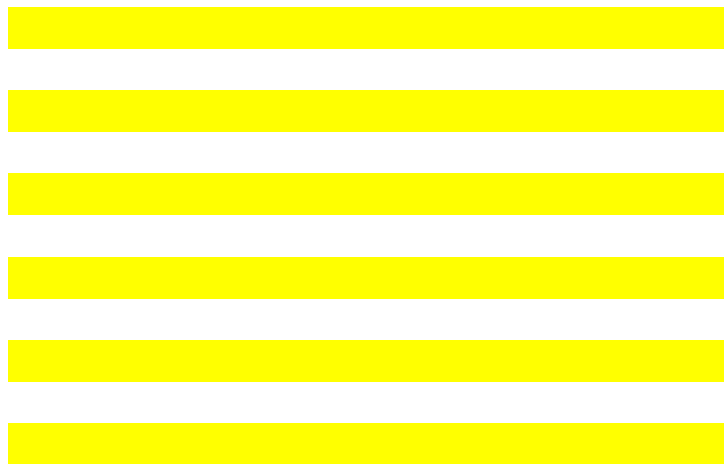


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uminacent data only.

From: Qiang Xu <qxx07a@acu.edu>
Sent time: 09/14/2020 04:38:39 PM
To: Ben Thornton <gthornton@cassavasciences.com>; Hoau-Yan wang <[REDACTED]@gmail.com>; Hoau-yan Wang
Subject: [EXTERNAL] 20200913 [REDACTED]
[REDACTED] [REDACTED]

Hi Ben and Hoau,

Hope you are having a good start to the week! [REDACTED]

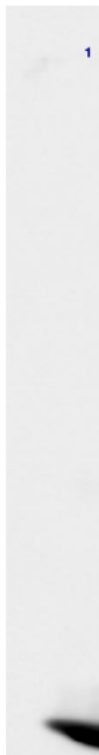
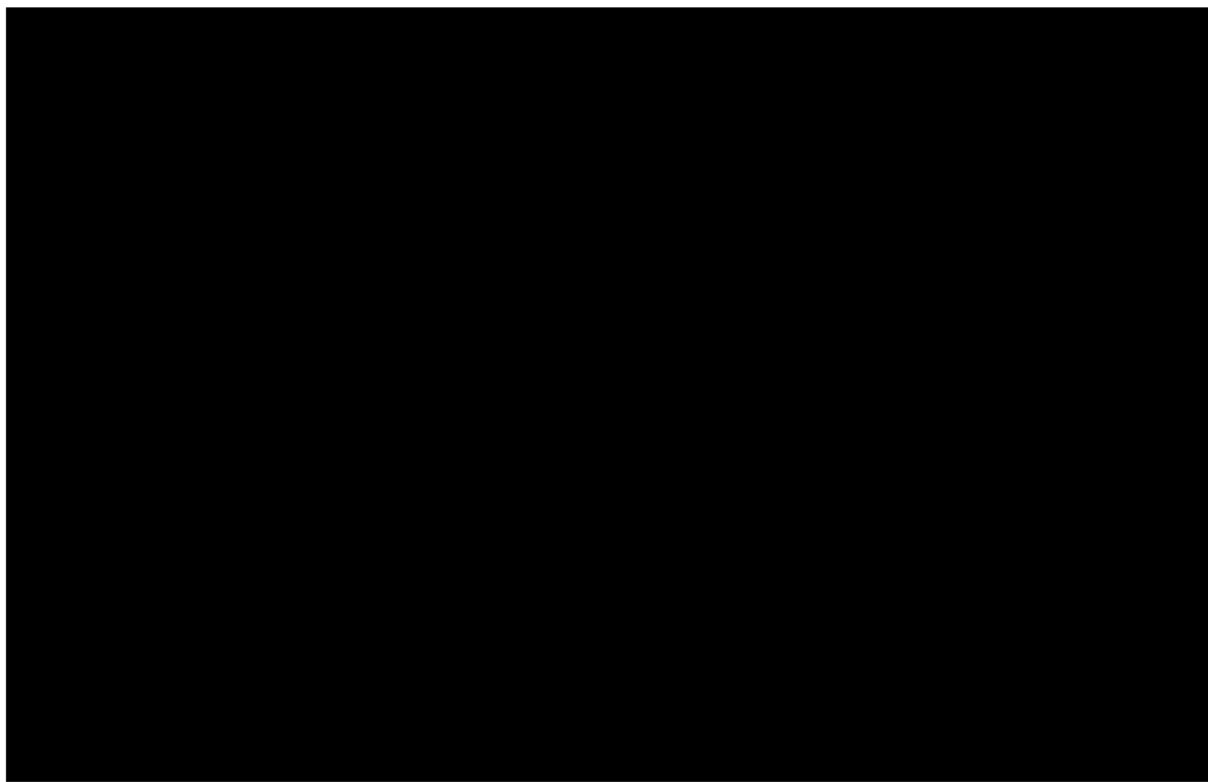
Many blessings,

John

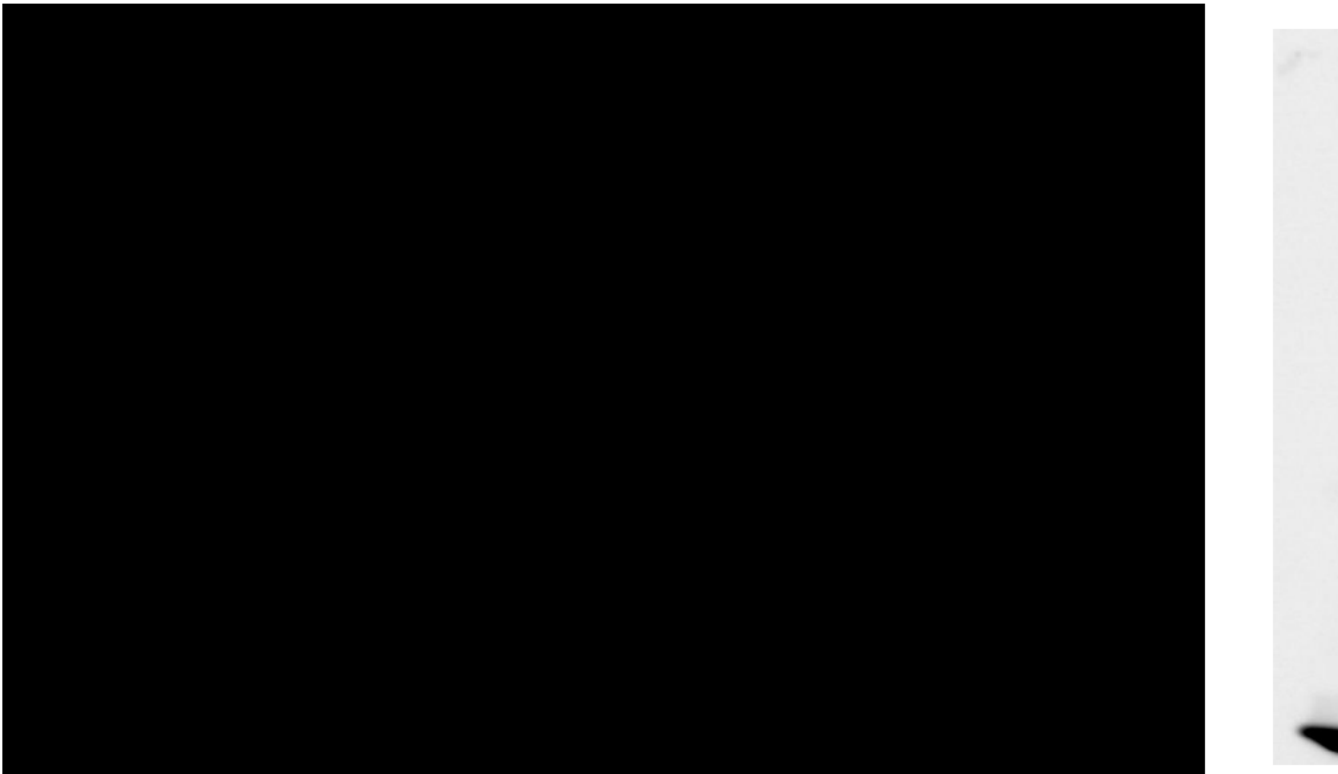
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qxu@acu.edu

[illegible]



<p>_____</p> <p>_____</p> <p>_____</p>	<p>_____</p> <p>_____</p> <p>_____</p>
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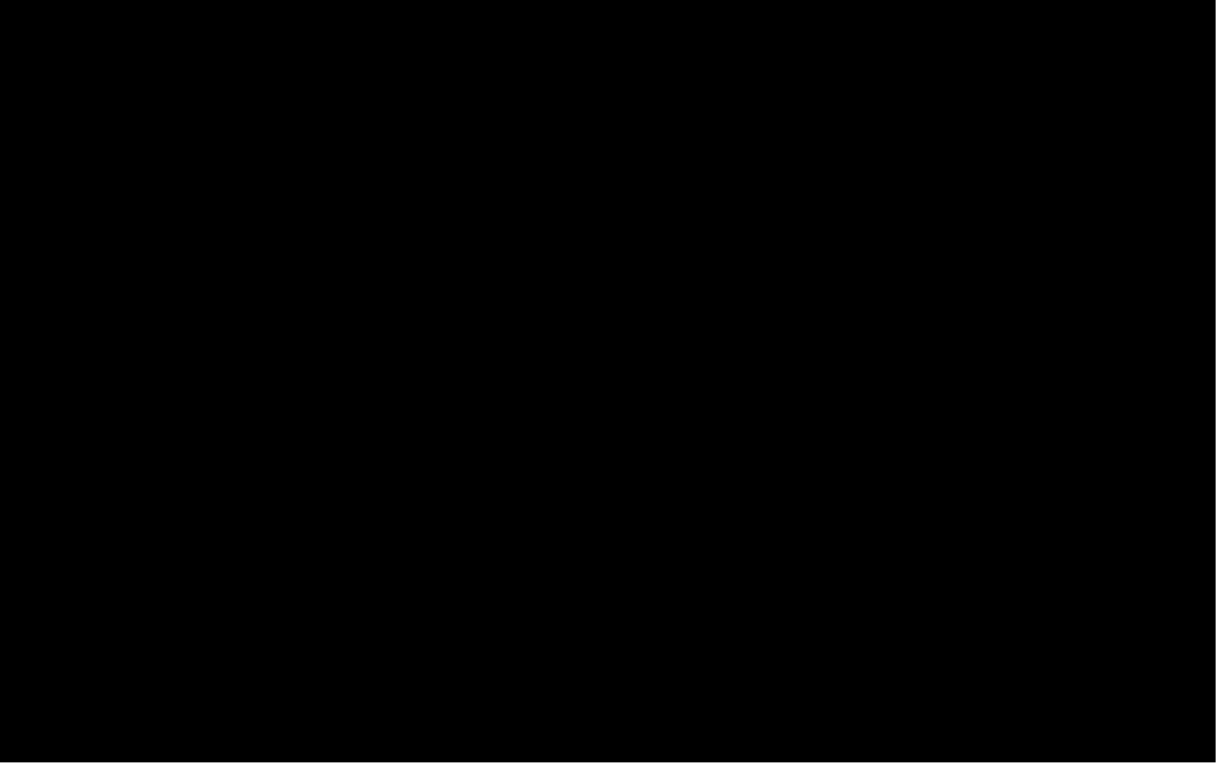
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1. *Journal of the American Medical Association*, 2000; 284: 2689-2695.

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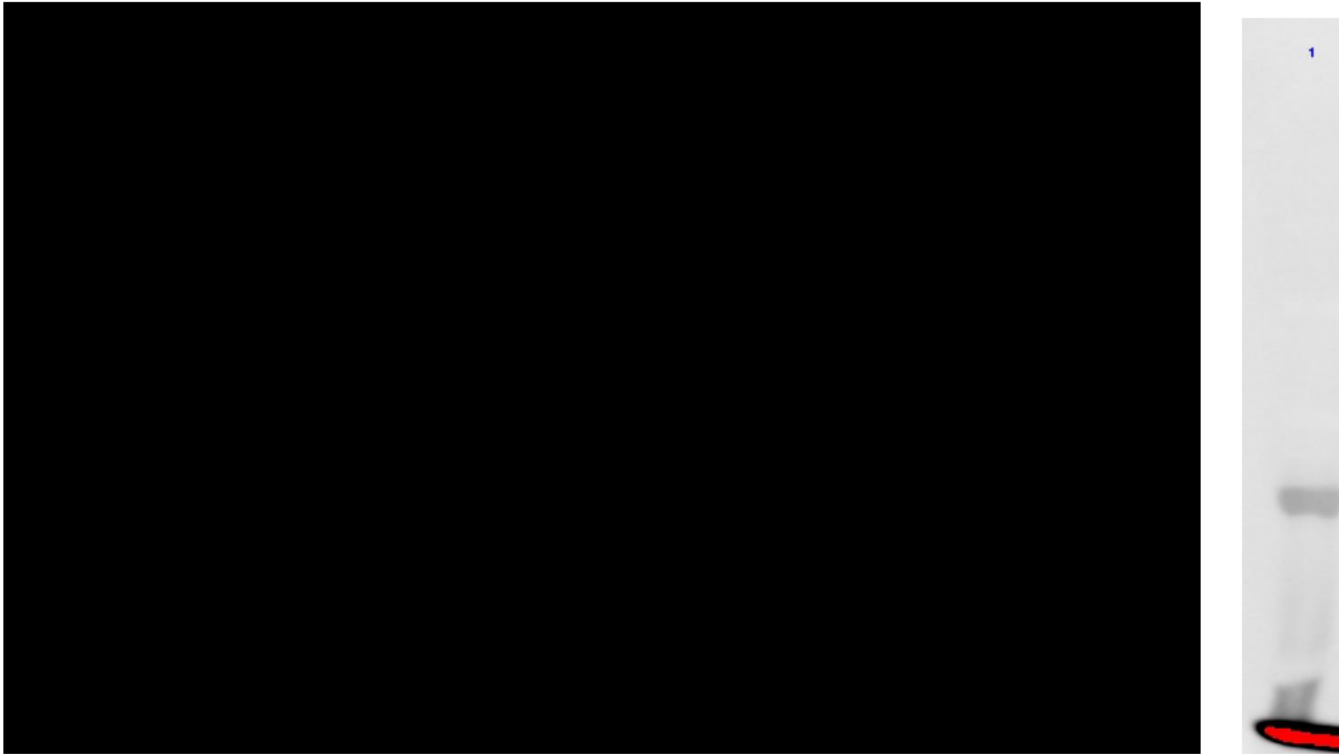


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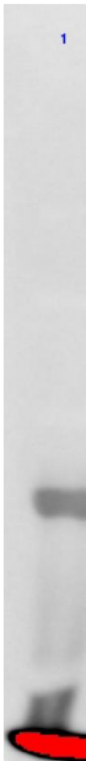
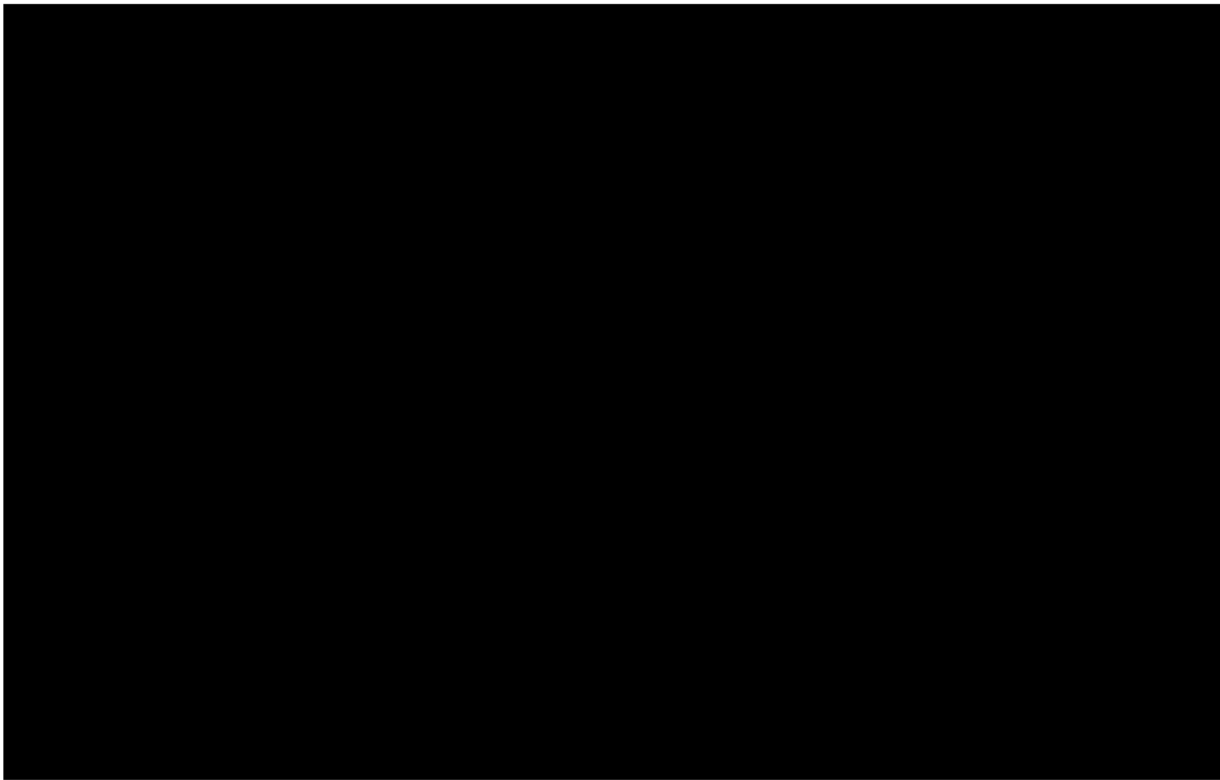
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	[REDACTED]					
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[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
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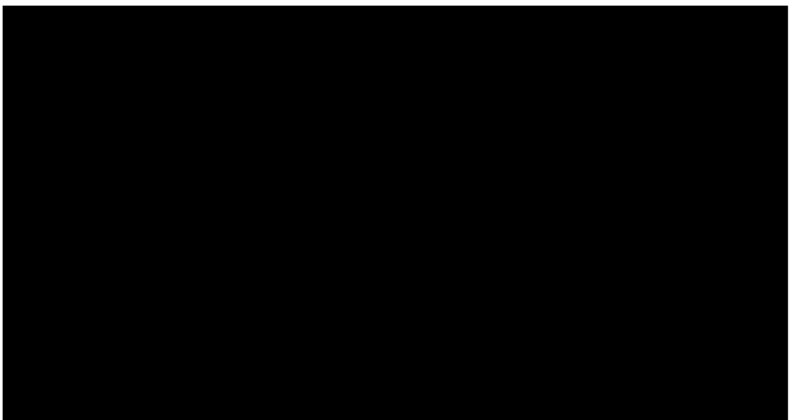
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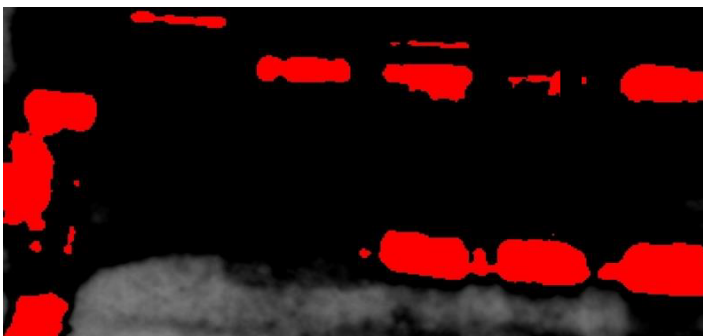


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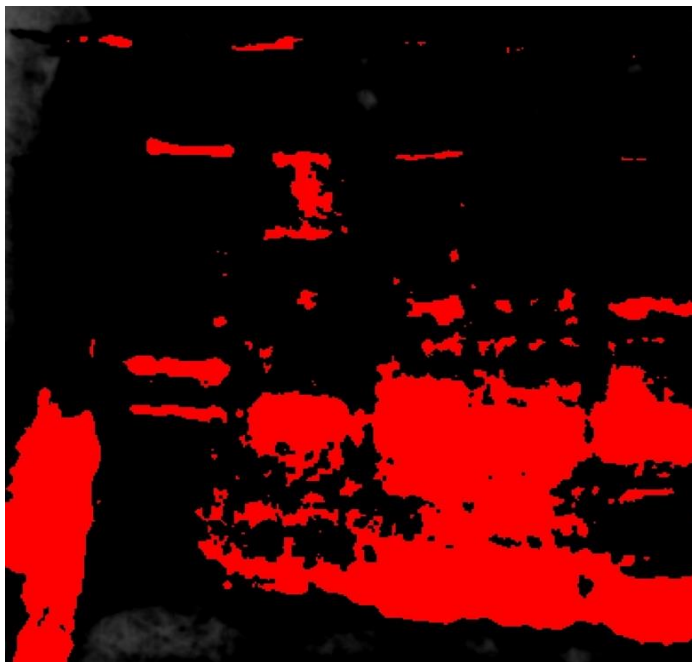
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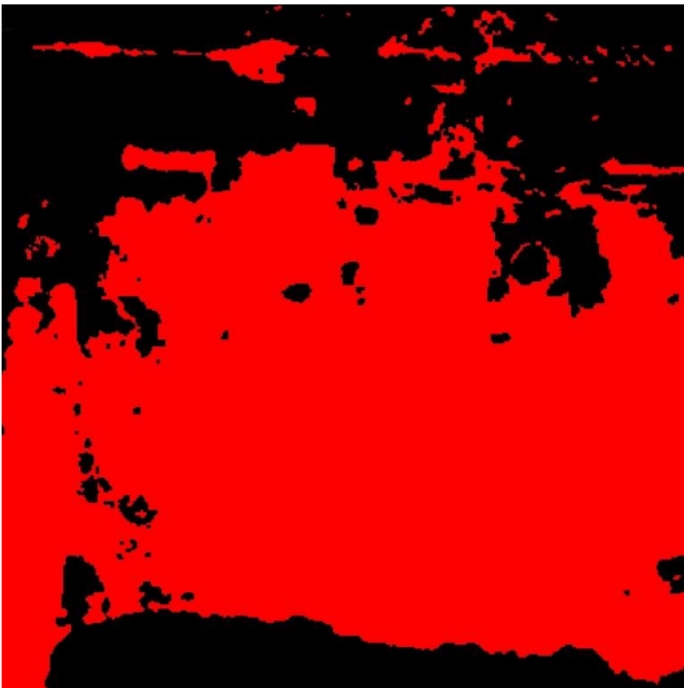
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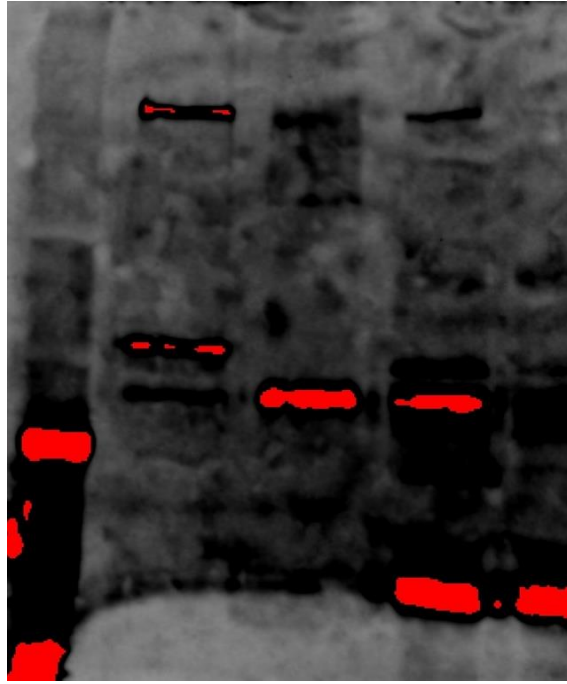
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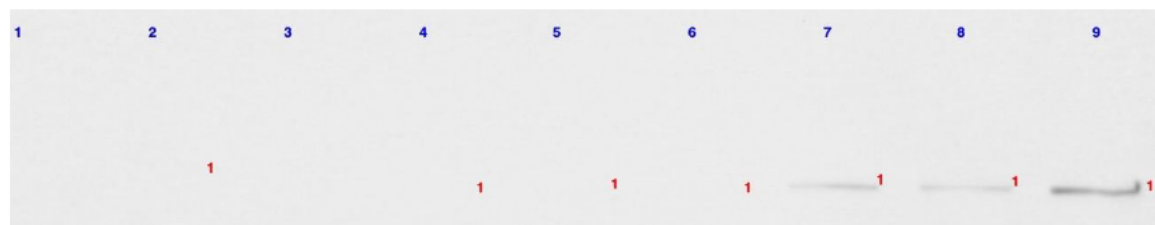
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[illegible]

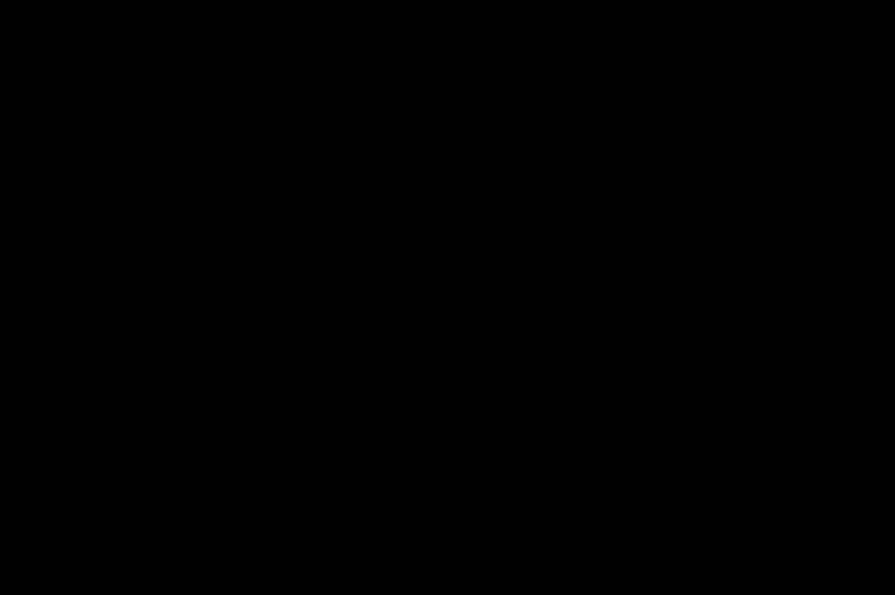
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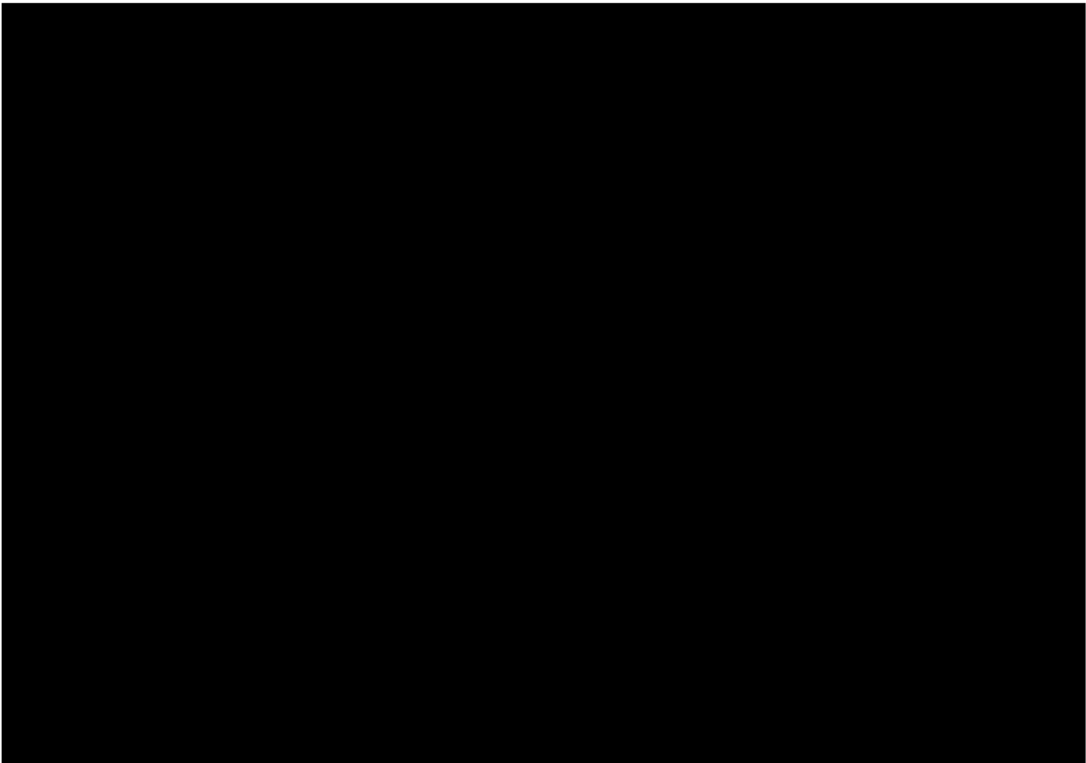
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[illegible]



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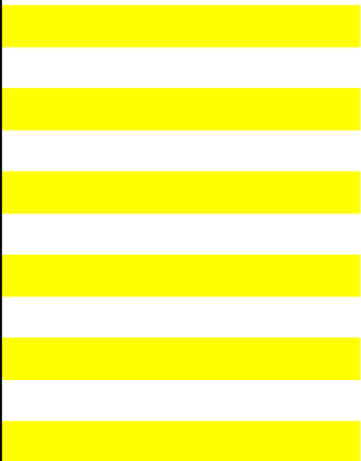


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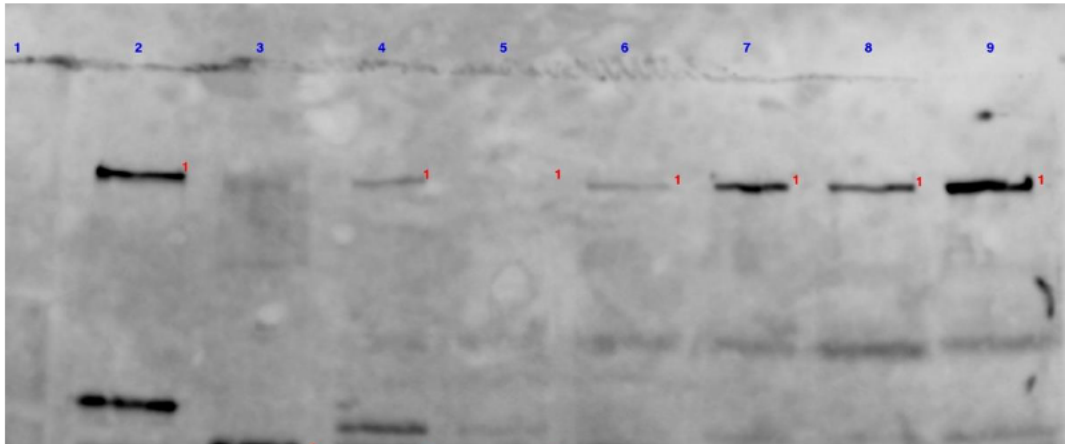
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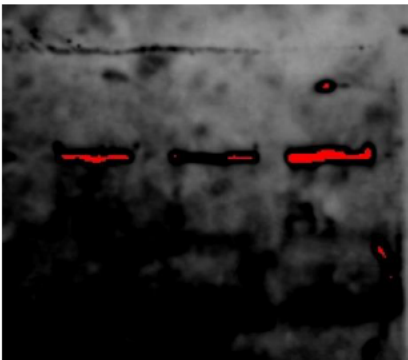
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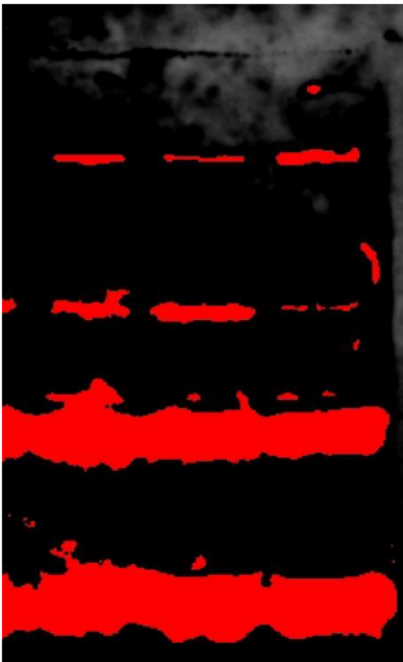
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[REDACTED]

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[REDACTED]



[REDACTED]

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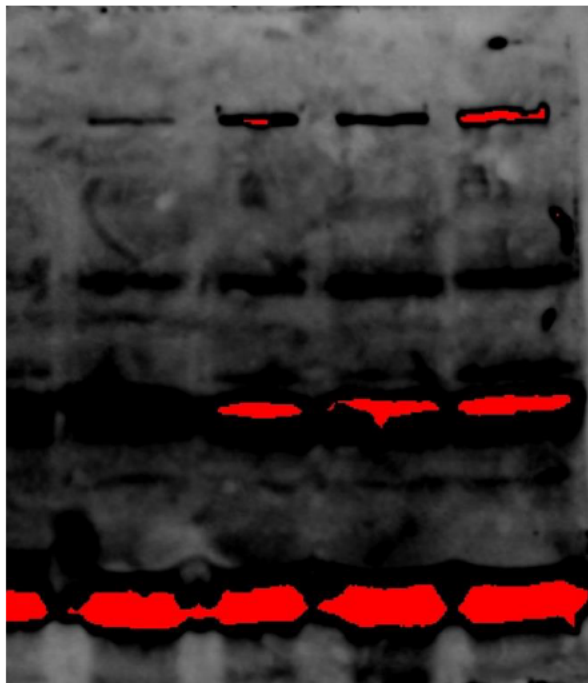
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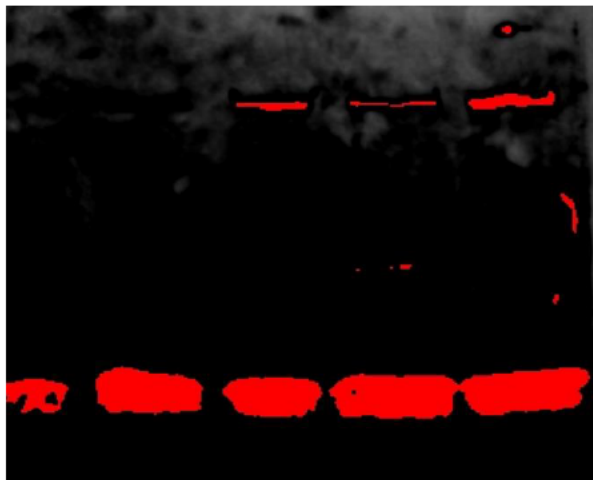
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[REDACTED]

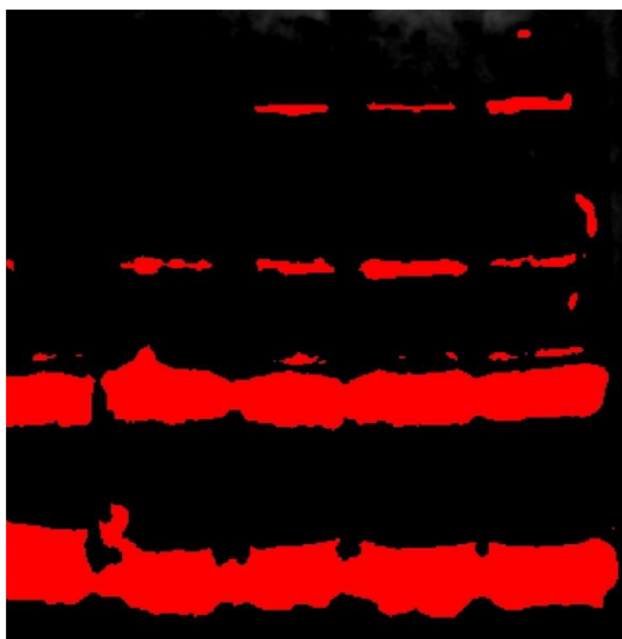




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[REDACTED]

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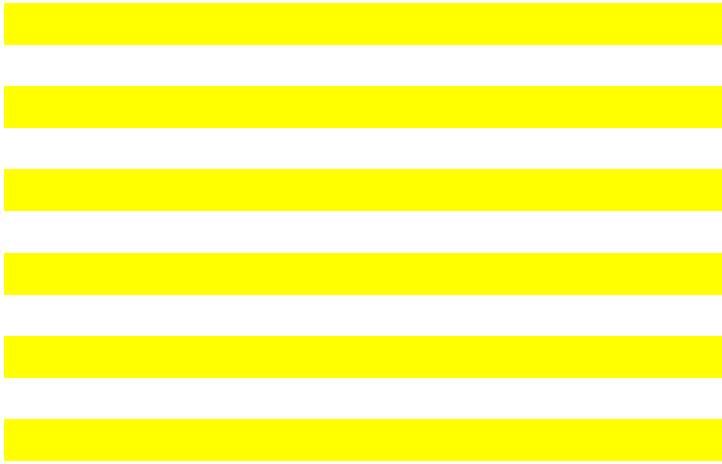
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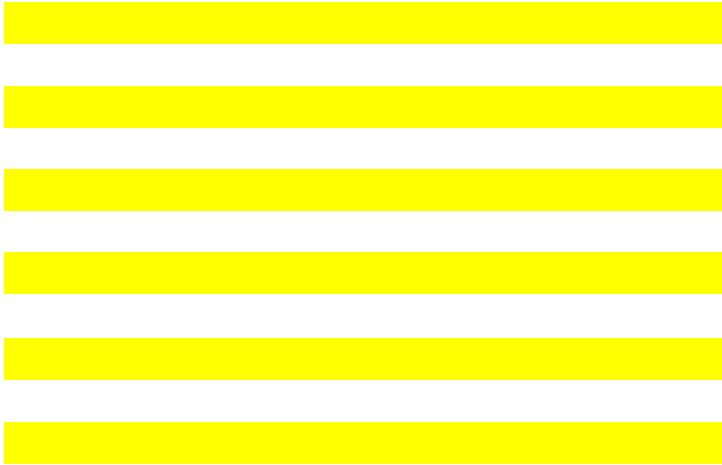
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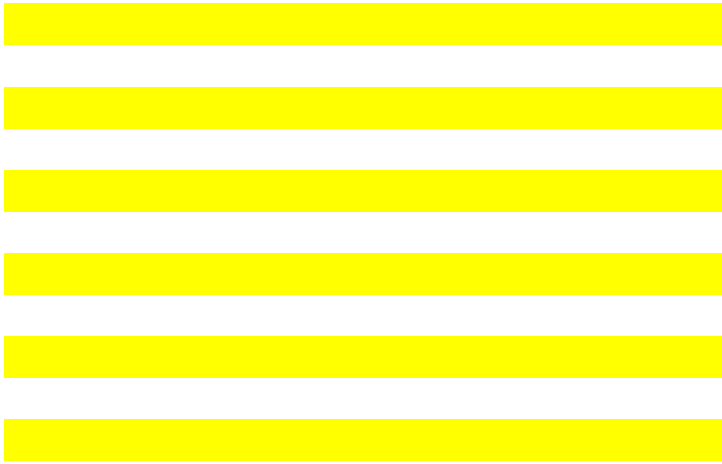
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[REDACTED]

[REDACTED]

[REDACTED]

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[REDACTED]

[REDACTED]

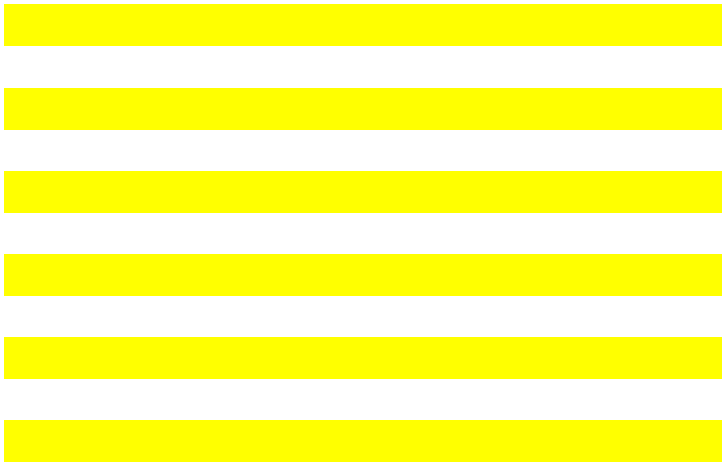
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[REDACTED]

[REDACTED]

[REDACTED]

uminacent data only.



uminacent data only.

From: Qiang Xu <qxx07a@acu.edu>

Sent time: 09/18/2020 12:27:28 PM

To: Ben Thornton <gthornton@ [REDACTED]>

Hi Ben and Hoau,

Hope you and yours are doing well! [REDACTED]

Many blessings,

John

--

Qiang (John) Xu, Ph.D.

Professor

Department of Biology

Abilene Christian University

ACU Box 27868

Abilene, Texas 79699-7868

325-674-4883

fax 325-674-2009

qxu@acu.edu

From: Qiang Xu <qxx07a@acu.edu>

Sent time: 09/21/2020 12:41:43 AM

To: Ben Thornton <gthornton@cassavasciences.com>; Hoau-Yan wang <[REDACTED]@gmail.com>; Hoau-yan Wang

Subject: [EXTERNAL] [REDACTED]
[REDACTED] [REDACTED]

POL 87(2)(d)

Hi Ben and Hoau,

Hope you are well! [REDACTED]

Blessings,

John

--

Qiang (John) Xu, Ph.D.

Professor

Department of Biology

Abilene Christian University

ACU Box 27868

Abilene, Texas 79699-7868

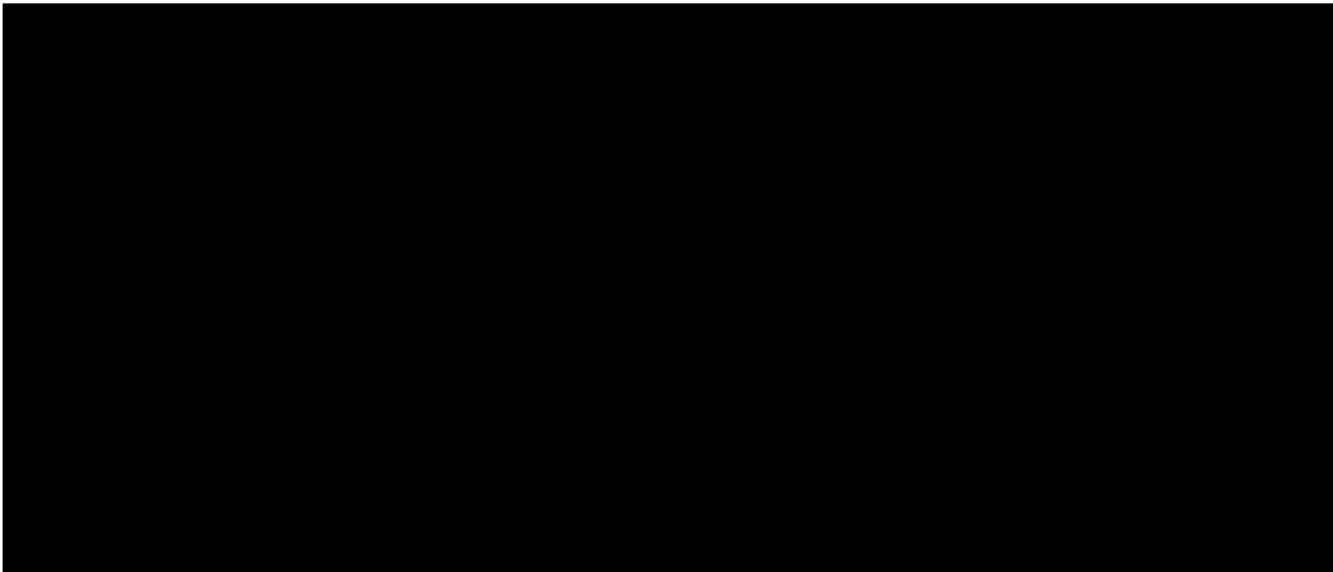
325-674-4883

fax 325-674-2009

qxu@acu.edu

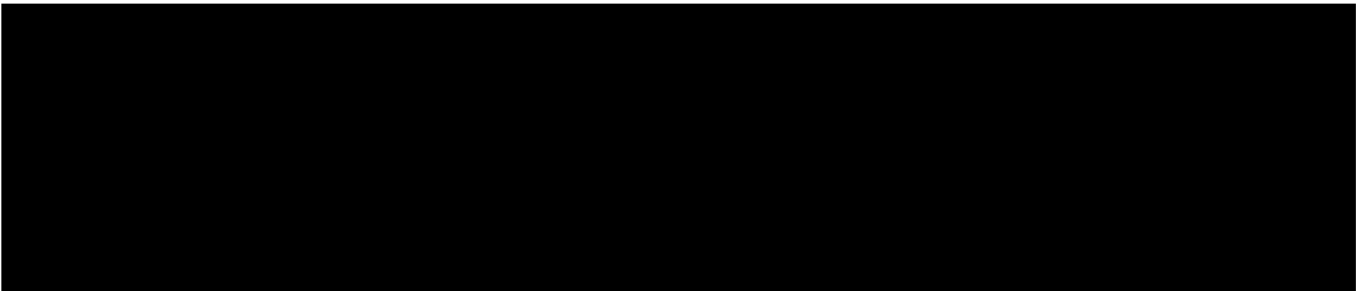
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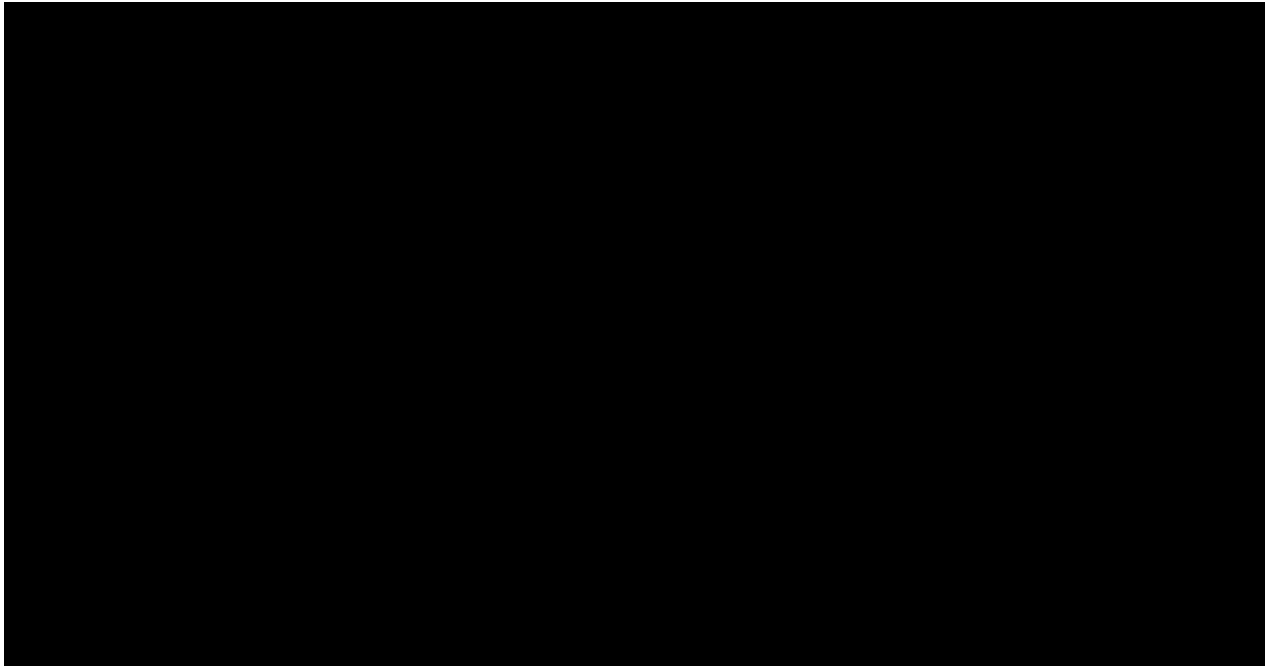
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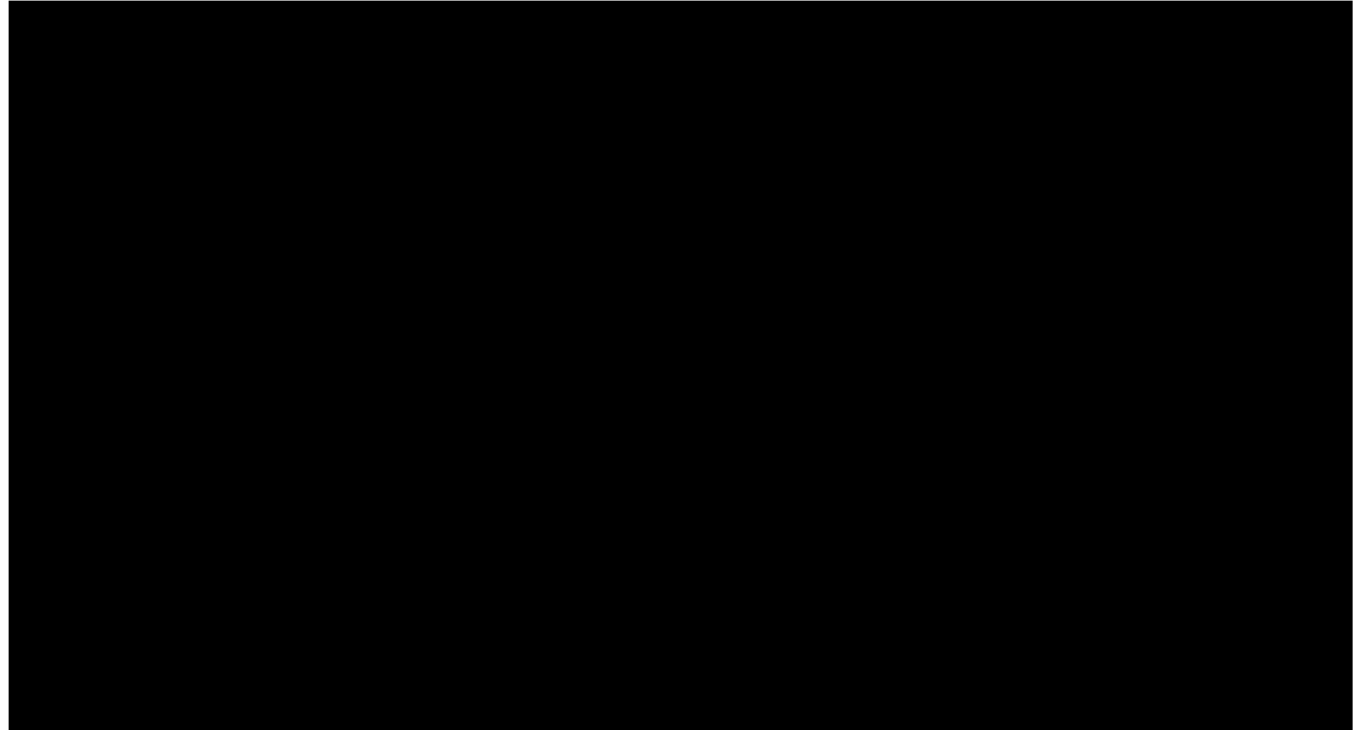
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[Redacted text block]

[REDACTED]

[REDACTED]

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[REDACTED]

[REDACTED]

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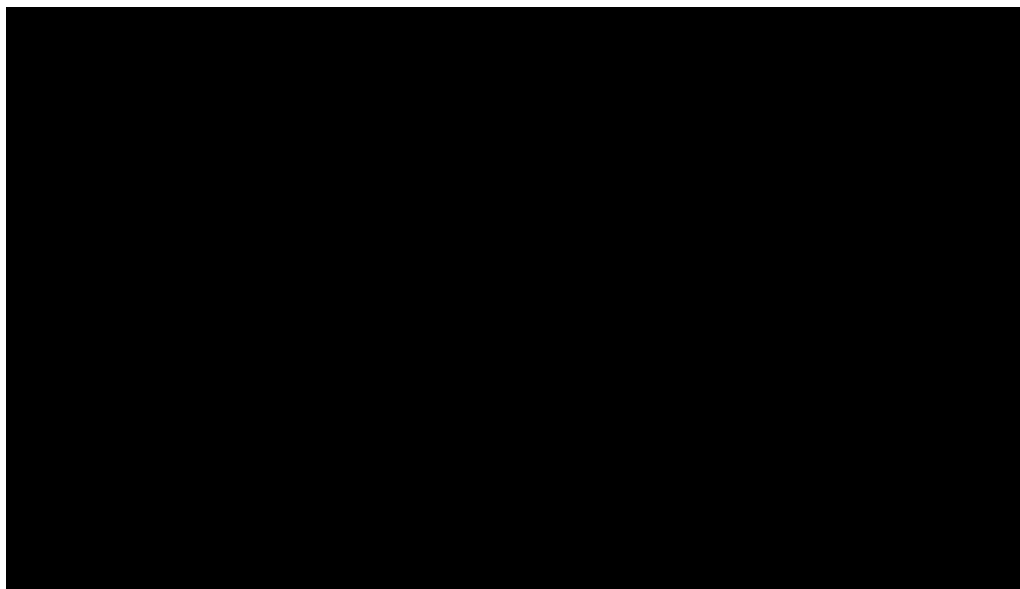
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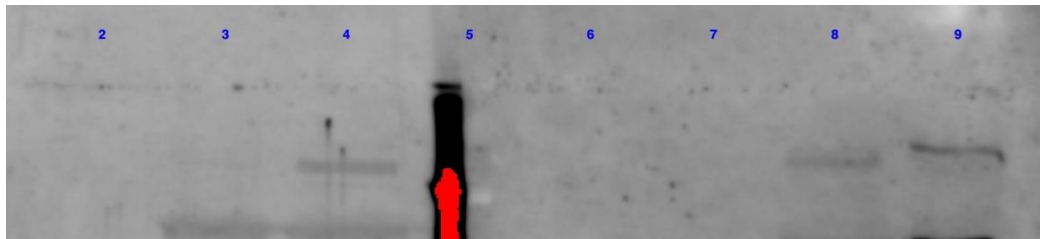
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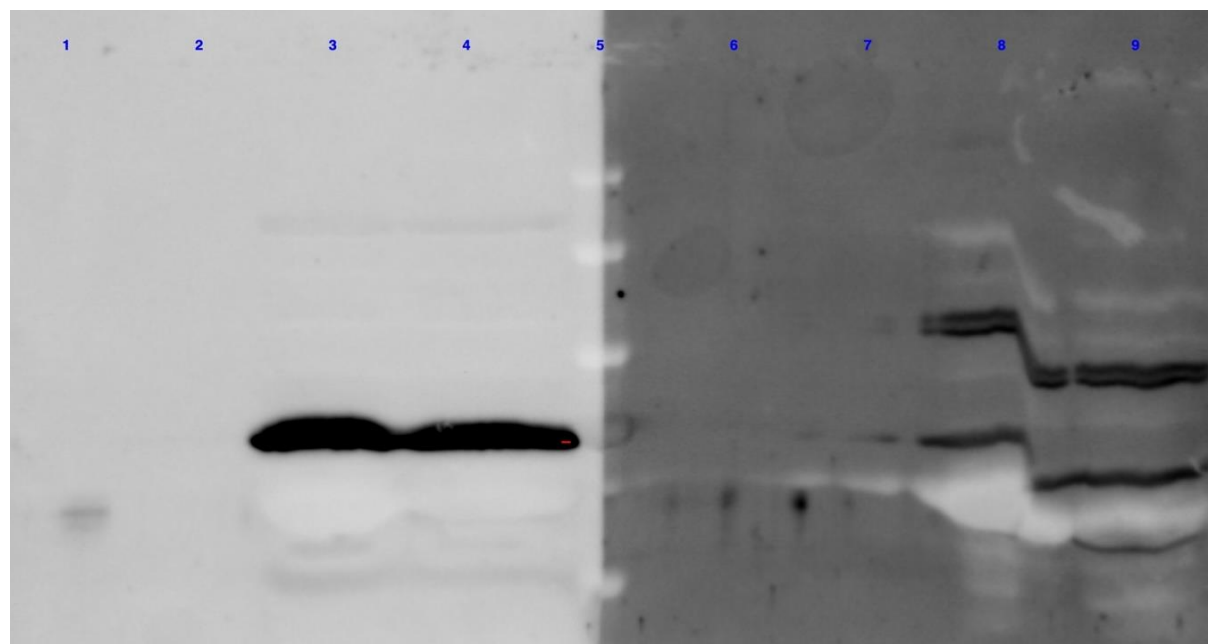
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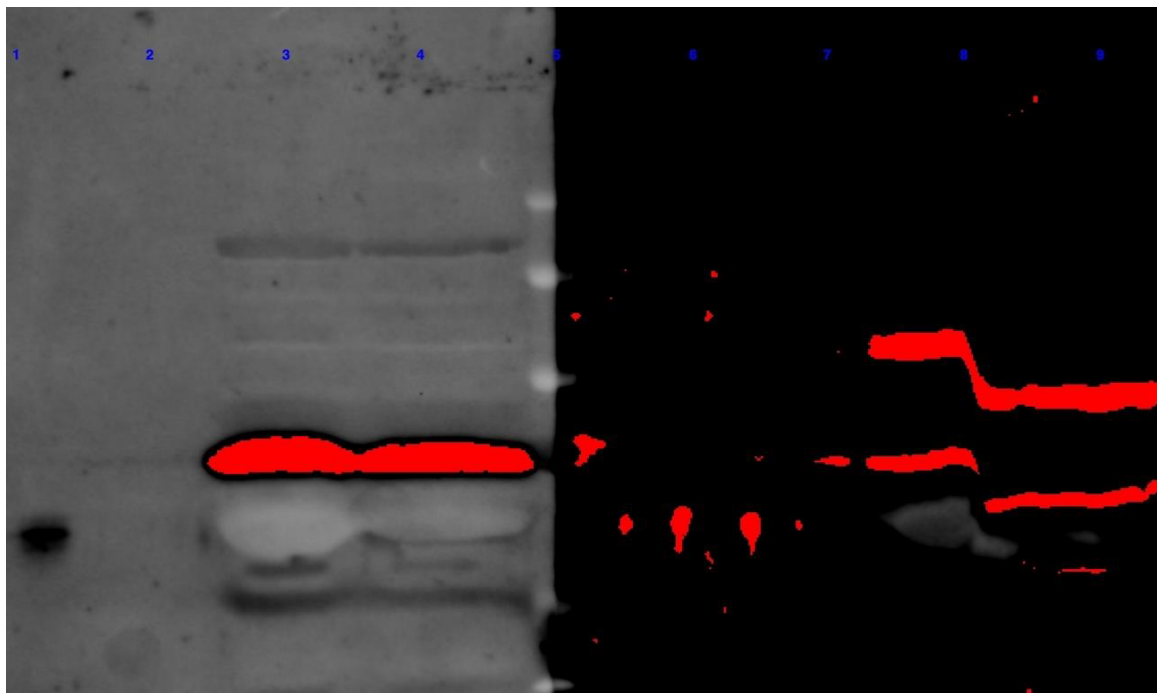




[REDACTED]

[REDACTED]

[REDACTED]



[REDACTED]

[REDACTED]

[REDACTED]



From: Hoau-Yan Wang <[REDACTED]@gmail.com>

Sent time: 09/21/2020 07:08:44 AM

To: qxx07a@acu.edu

Cc: Ben Thornton <gthornton@cassavasciences[REDACTED]>
[REDACTED] [REDACTED]

POL 87(2)(d)

Thanks. [REDACTED]

Hoau

Sent from my iPad

On Sep 21, 2020, at 12:41 AM, Qiang Xu <qxx07a@acu.edu> wrote:

Hi Ben and Hoau,

Hope you are well! [REDACTED]

Blessings,

John

--

Qiang (John) Xu, Ph.D.

Professor

Department of Biology

Abilene Christian University

ACU Box 27868

Abilene, Texas 79699-7868

325-674-4883

fax 325-674-2009

qxu@acu.edu

<20200920 Western blot results.xlsx>

From: Qiang Xu <qxx07a@acu.edu>
Sent time: 09/21/2020 08:48:29 AM
To: Hoau-Yan Wang <[REDACTED]@gmail.com>
Cc: Ben Thornton <gthornton@cassavasciences.com>; Hoau-yan Wang
Subject: [REDACTED]

POL 87(2)(d)

Good morning, Hoau,

Thank you for your email! [REDACTED] This instability happened last week too. Do you have time for a quick zoom meeting today?

Many blessings,

John

On Mon, Sep 21, 2020 at 6:08 AM Hoau-Yan Wang <[REDACTED]@gmail.com> wrote:

Thanks. [REDACTED]

Hoau

Sent from my iPad

On Sep 21, 2020, at 12:41 AM, Qiang Xu <qxx07a@acu.edu> wrote:

Hi Ben and Hoau,

Hope you are well! [REDACTED]

Blessings,

John

--

Qiang (John) Xu, Ph.D.
Professor
Department of Biology
Abilene Christian University
ACU Box 27868
Abilene, Texas 79699-7868
325-674-4883
fax 325-674-2009
qxu@acu.edu

<20200920 Western blot results.xlsx>

--

Qiang (John) Xu, Ph.D.
Professor
Department of Biology
Abilene Christian University
ACU Box 27868
Abilene, Texas 79699-7868
325-674-4883
fax 325-674-2009
qxu@acu.edu

From: Qiang Xu <qxx07a@acu.edu>

Sent time: 09/21/2020 02:06:29 PM

To: Hoau-Yan wang <[REDACTED]@gmail.com>; Ben Thornton <gthornton@cassavasciences.com>; Hoau-yan Wang

Subject: [EXTERNAL] Anti-Albumin 1st antibody

POL 87(2)(d)

Hi Hoau,

Another quick question: C [REDACTED]
[REDACTED]

Thanks and blessings,

John

--

Qiang (John) Xu, Ph.D.

Professor

Department of Biology

Abilene Christian University

ACU Box 27868

Abilene, Texas 79699-7868

325-674-4883

fax 325-674-2009

qxu@acu.edu

From: Hoau-yan Wang
Sent time: 09/22/2020 10:43:37 AM
To: Lindsay Burns <lburns@cassavasciences.com>
Subject: Fw: [EXTERNAL] Re: Clinical trial agreement amendment

POL 87(2)(d)

FYI - Candice is the new director of grants office. She is following up with the contract status.

Hoau

From: Candice Baptiste-Sexton
Sent: Monday, September 21, 2020 5:56 PM
To: Awards
Cc: Hoau-yan Wang
Subject: FW: [EXTERNAL] Re: Clinical trial agreement amendment

Awards Team,

Please follow up with Legal/CUNY on the agreement that this email chain pertains to (Log 21957).

Thanks.

Best regards,

Candice Baptiste-Sexton

Director

Grants and Sponsored Programs

The City College of New York

160 Convent Avenue | SH – Room 16

New York, NY 10031

Ph: 212-650-7905 | F: 212-650-7906

GSP - <http://www.ccny.cuny.edu/research/gsp>

PARS - <http://www.ccny.cuny.edu/research/pars>

From: Alan Shih <ashih@ccny.cuny.edu>
Date: Monday, September 21, 2020 at 5:44 PM
To: Hoau-Yan wang <[REDACTED]@gmail.com>
Cc: Candice Baptiste-Sexton <csexton@ccny.cuny.edu>
Subject: RE: [EXTERNAL] Re: Clinical trial agreement amendment

Hoau-Yan:

As of 8/16/2020, I have stepped down as the GSP director. Candice is now the director for GSP. I copied her here for her assistance. Thanks.

Alan M. Shih, Ph.D.

Shepard Hall, Suite 16, 160 Convent Avenue, New York, NY 10031

Tel: +1 (212) 650-7909 (will forward to cell phone), Email: ashih@ccny.cuny.edu

From: Hoau-Yan wang <[REDACTED]@gmail.com>
Sent: Monday, September 21, 2020 5:42 PM
To: Alan Shih <ashih@ccny.cuny.edu>
Subject: [EXTERNAL] Re: Clinical trial agreement amendment

Hi Alan,

Hope you are doing well. Can you please contact our [REDACTED]

Thanks.

Best,

Hoau-Yan

Sent from my iPhone

On Aug 27, 2020, at 10:04 AM, Holli-Anne S Tai <htai@ccny.cuny.edu> wrote:

Dear Lindsay,

The agreement is currently under review by the CUNY Technology and Commercialization Office pending approval of IP language.

We will keep you updated on any further developments.

Thank you.

Best,

Holli-Anne Tai
Grants Associate
Grants and Sponsored Programs
The City College of New York
160 Convent Avenue | SH – Room 16
New York, NY 10031
Ph: 212-650-5418 | F: 212-650-7906
GSP - <http://www.ccny.cuny.edu/research/gsp.cfm>
PARS - <http://www.ccny.cuny.edu/research/pars.cfm>

From: Alan Shih <ashih@ccny.cuny.edu>
Sent: Tuesday, August 25, 2020 3:57 PM
To: Lindsay Burns <lburns@cassavasciences.com>
Cc: Hoau-Yan wang <[REDACTED]@gmail.com>; Awards <awards@ccny.cuny.edu>
Subject: RE: Clinical trial agreement amendment

I copied GSP award team to follow up. Thanks.

Alan M. Shih, Ph.D.
Shepard Hall, Suite 16, 160 Convent Avenue, New York, NY 10031
Tel: +1 (212) 650-7909 (will forward to cell phone), Email: ashih@ccny.cuny.edu

From: Lindsay Burns <lburns@cassavasciences.com>
Sent: Tuesday, August 25, 2020 2:48 PM
To: Alan Shih <ashih@ccny.cuny.edu>
Cc: Hoau-Yan wang <[REDACTED]@gmail.com>
Subject: [EXTERNAL] RE: Clinical trial agreement amendment

Hi Alan,

Has there been any progress on this? Could you check please?

Thanks,
Lindsay

From: Alan Shih <ashih@ccny.cuny.edu>
Sent: Monday, July 27, 2020 10:58 PM
To: Lindsay Burns <lburns@cassavasciences.com>
Cc: Hoau-Yan wang <[REDACTED]@gmail.com>
Subject: RE: Clinical trial agreement amendment

Thank you, Lindsay. Will forward to our legal for processing. Hope things are doing well with you on your end as well amid this pandemic.

Alan M. Shih, Ph.D.
Director, Grants and Sponsored Programs
Shepard Hall, Suite 16, 160 Convent Avenue, New York, NY 10031
Tel: +1 (212) 650-7909 (will forward to cell phone), Email: ashih@ccny.cuny.edu
Awards@ccny.cuny.edu | PreAward@ccny.cuny.edu | PostAward@ccny.cuny.edu
Web: <https://www.ccny.cuny.edu/research/gsp>

From: Lindsay Burns <lburns@cassavasciences.com>
Sent: Friday, July 24, 2020 11:53 AM
To: Alan Shih <ashih@ccny.cuny.edu>
Cc: Hoau-Yan wang <[REDACTED]@gmail.com>
Subject: [EXTERNAL] Clinical trial agreement amendment

Dear Alan,

I hope you are doing well. [REDACTED]
[REDACTED] ase let me know if you have questions.

Best regards,
Lindsay

Lindsay H. Burns, PhD
SVP, Neuroscience
Cassava Sciences, Inc.
O: 512-501-2484 C: 512-574-4238
www.cassavasciences.com

From: Lindsay Burns <lburns@cassavasciences.com>
Sent time: 09/22/2020 11:06:45 AM
To: Hoau-yan Wang
Subject: RE: [EXTERNAL] Re: Clinical trial agreement amendment

Thanks!!

From: Hoau-yan Wang <hywang@med.cuny.edu>
Sent: Tuesday, September 22, 2020 9:44 AM
To: Lindsay Burns <lburns@cassavasciences.com>
Subject: Fw: [EXTERNAL] Re: Clinical trial agreement amendment

FYI - Candice is the new director of grants office. She is following up with the contract status.

Hoau

From: Candice Baptiste-Sexton
Sent: Monday, September 21, 2020 5:56 PM
To: Awards
Cc: Hoau-yan Wang
Subject: FW: [EXTERNAL] Re: Clinical trial agreement amendment

Awards Team,

Please follow up with Legal/CUNY on the agreement that this email chain pertains to (Log 21957).

Thanks.

Best regards,

Candice Baptiste-Sexton
Director

Grants and Sponsored Programs
The City College of New York
160 Convent Avenue | SH – Room 16
New York, NY 10031
Ph: 212-650-7905 | F: 212-650-7906
GSP - <http://www.ccny.cuny.edu/research/gsp>
PARS - <http://www.ccny.cuny.edu/research/pars>

From: Alan Shih <ashih@ccny.cuny.edu>
Date: Monday, September 21, 2020 at 5:44 PM
To: Hoau-Yan wang <[REDACTED]@gmail.com>
Cc: Candice Baptiste-Sexton <csexton@ccny.cuny.edu>
Subject: RE: [EXTERNAL] Re: Clinical trial agreement amendment

Hoau-Yan:

As of 8/16/2020, I have stepped down as the GSP director. Candice is now the director for GSP. I copied her here for her assistance. Thanks.

Alan M. Shih, Ph.D.

Shepard Hall, Suite 16, 160 Convent Avenue, New York, NY 10031
Tel: +1 (212) 650-7909 (will forward to cell phone), Email: ashih@ccny.cuny.edu

From: Hoau-Yan wang <[REDACTED]@gmail.com>
Sent: Monday, September 21, 2020 5:42 PM
To: Alan Shih <ashih@ccny.cuny.edu>
Subject: [EXTERNAL] Re: Clinical trial agreement amendment

Hi Alan,

Hope you are doing well. Can you please contact our IP department about the contact with Cassava. [REDACTED]

Thanks.

Best,

POL 87(2)(d)

Hoau-Yan

Sent from my iPhone

On Aug 27, 2020, at 10:04 AM, Holli-Anne S Tai <htai@ccny.cuny.edu> wrote:

Dear Lindsay,

The agreement is currently under review by the CUNY Technology and Commercialization Office pending approval of IP language.

We will keep you updated on any further developments.

Thank you.

Best,

Holli-Anne Tai
Grants Associate
Grants and Sponsored Programs
The City College of New York
160 Convent Avenue | SH – Room 16
New York, NY 10031
Ph: 212-650-5418 | F: 212-650-7906
GSP - <http://www.ccny.cuny.edu/research/gsp.cfm>
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From: Alan Shih <ashih@ccny.cuny.edu>
Sent: Tuesday, August 25, 2020 3:57 PM
To: Lindsay Burns <lburns@cassavasciences.com>
Cc: Hoau-Yan wang <[REDACTED]@gmail.com>; Awards <awards@ccny.cuny.edu>
Subject: RE: Clinical trial agreement amendment

I copied GSP award team to follow up. Thanks.

Alan M. Shih, Ph.D.
Shepard Hall, Suite 16, 160 Convent Avenue, New York, NY 10031
Tel: +1 (212) 650-7909 (will forward to cell phone), Email: ashih@ccny.cuny.edu

From: Lindsay Burns <lburns@cassavasciences.com>
Sent: Tuesday, August 25, 2020 2:48 PM
To: Alan Shih <ashih@ccny.cuny.edu>
Cc: Hoau-Yan wang <[REDACTED]@gmail.com>
Subject: [EXTERNAL] RE: Clinical trial agreement amendment

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Thanks,
Lindsay

From: Alan Shih <ashih@ccny.cuny.edu>
Sent: Monday, July 27, 2020 10:58 PM
To: Lindsay Burns <lburns@cassavasciences.com>
Cc: Hoau-Yan wang <[REDACTED]@gmail.com>

Subject: RE: Clinical trial agreement amendment

Thank you, Lindsay. Will forward to our legal for processing. Hope things are doing well with you on your end as well amid this pandemic.

Alan M. Shih, Ph.D.

Director, Grants and Sponsored Programs

Shepard Hall, Suite 16, 160 Convent Avenue, New York, NY 10031

Tel: +1 (212) 650-7909 (will forward to cell phone), Email: ashih@ccny.cuny.edu

Awards@ccny.cuny.edu | PreAward@ccny.cuny.edu | PostAward@ccny.cuny.edu

Web: <https://www.ccny.cuny.edu/research/gsp>

PARS: <https://www.ccny.cuny.edu/research/pars>

From: Lindsay Burns <lburns@cassavasciences.com>

Sent: Friday, July 24, 2020 11:53 AM

To: Alan Shih <ashih@ccny.cuny.edu>

Cc: Hoau-Yan wang <[REDACTED]@gmail.com>

Subject: [EXTERNAL] Clinical trial agreement amendment

Dear Alan,

I hope you are doing well. [REDACTED]

[REDACTED] I also attach the original agreement. Please let me know if you have questions.

Best regards,

Lindsay

Lindsay H. Burns, PhD

SVP, Neuroscience

Cassava Sciences, Inc.

O: 512-501-2484 C: 512-574-4238

www.cassavasciences.com

From: Holli-Anne S Tai
Sent time: 09/22/2020 05:05:17 PM
To: Hoau-yan Wang
Cc: Awards; Lindsay Burns <lburns@cassavasciences.com>
Subject: RE: [EXTERNAL] Re: Clinical trial agreement amendment

Dear Professor Wang,

I've reached out to RF Legal and was informed that the agreement is still under review by CUNY TCO. They have followed up and will keep us updated.

Thank you.

Best,

Holli-Anne Tai
Grants Associate
Grants and Sponsored Programs
The City College of New York
160 Convent Avenue | SH – Room 16
New York, NY 10031
Ph: 212-650-5418 | F: 212-650-7906
GSP - <http://www.ccny.cuny.edu/research/gsp.cfm>
PARS - <http://www.ccny.cuny.edu/research/pars.cfm>

From: Candice Baptiste-Sexton <csexton@ccny.cuny.edu>
Sent: Monday, September 21, 2020 5:56 PM
To: Awards <awards@ccny.cuny.edu>
Cc: Hoau-yan Wang <hywang@med.cuny.edu>
Subject: FW: [EXTERNAL] Re: Clinical trial agreement amendment

Awards Team,

Please follow up with Legal/CUNY on the agreement that this email chain pertains to (Log 21957).

Thanks.

Best regards,

Candice Baptiste-Sexton
Director
Grants and Sponsored Programs
The City College of New York
160 Convent Avenue | SH – Room 16
New York, NY 10031
Ph: 212-650-7905 | F: 212-650-7906
GSP - <http://www.ccny.cuny.edu/research/gsp>
PARS - <http://www.ccny.cuny.edu/research/pars>

From: Alan Shih <ashih@ccny.cuny.edu>
Date: Monday, September 21, 2020 at 5:44 PM
To: Hoau-Yan wang <[REDACTED]@gmail.com>
Cc: Candice Baptiste-Sexton <csexton@ccny.cuny.edu>
Subject: RE: [EXTERNAL] Re: Clinical trial agreement amendment

Hoau-Yan:

As of 8/16/2020, I have stepped down as the GSP director. Candice is now the director for GSP. I copied her here for her assistance. Thanks.

Alan M. Shih, Ph.D.
Shepard Hall, Suite 16, 160 Convent Avenue, New York, NY 10031
Tel: +1 (212) 650-7909 (will forward to cell phone), Email: ashih@ccny.cuny.edu

From: Hoau-Yan wang <[REDACTED]@gmail.com>

Sent: Monday, September 21, 2020 5:42 PM
To: Alan Shih <ashih@ccny.cuny.edu>
Subject: [EXTERNAL] Re: Clinical trial agreement amendment

POL 87(2)(d)

Hi Alan,

Hope you are doing well. Can you please contact our IP department about the contact with Cassava. It [REDACTED]
[REDACTED]

Thanks.

Best,

Hoau-Yan

Sent from my iPhone

On Aug 27, 2020, at 10:04 AM, Holli-Anne S Tai <htai@ccny.cuny.edu> wrote:

Dear Lindsay,

The agreement is currently under review by the CUNY Technology and Commercialization Office pending approval of IP language.

We will keep you updated on any further developments.

Thank you.

Best,

Holli-Anne Tai
Grants Associate
Grants and Sponsored Programs
The City College of New York
160 Convent Avenue | SH – Room 16
New York, NY 10031
Ph: 212-650-5418 | F: 212-650-7906
GSP - <http://www.ccny.cuny.edu/research/gsp.cfm>
PARS - <http://www.ccny.cuny.edu/research/pars.cfm>

From: Alan Shih <ashih@ccny.cuny.edu>
Sent: Tuesday, August 25, 2020 3:57 PM
To: Lindsay Burns <lburns@cassavasciences.com>
Cc: Hoau-Yan wang <[REDACTED]@gmail.com>; Awards <awards@ccny.cuny.edu>
Subject: RE: Clinical trial agreement amendment

I copied GSP award team to follow up. Thanks.

Alan M. Shih, Ph.D.
Shepard Hall, Suite 16, 160 Convent Avenue, New York, NY 10031
Tel: +1 (212) 650-7909 (will forward to cell phone), Email: ashih@ccny.cuny.edu

From: Lindsay Burns <lburns@cassavasciences.com>
Sent: Tuesday, August 25, 2020 2:48 PM
To: Alan Shih <ashih@ccny.cuny.edu>
Cc: Hoau-Yan wang <[REDACTED]@gmail.com>
Subject: [EXTERNAL] RE: Clinical trial agreement amendment

Hi Alan,

Has there been any progress on this? Could you check please?

Thanks,
Lindsay

From: Alan Shih <ashih@ccny.cuny.edu>
Sent: Monday, July 27, 2020 10:58 PM
To: Lindsay Burns <lburns@cassavasciences.com>
Cc: Hoau-Yan wang <[REDACTED]@gmail.com>
Subject: RE: Clinical trial agreement amendment

Thank you, Lindsay. Will forward to our legal for processing. Hope things are doing well with you on your end as well amid this pandemic.

Alan M. Shih, Ph.D.

Director, Grants and Sponsored Programs
Shepard Hall, Suite 16, 160 Convent Avenue, New York, NY 10031
Tel: +1 (212) 650-7909 (will forward to cell phone), Email: ashih@ccny.cuny.edu
Awards@ccny.cuny.edu | PreAward@ccny.cuny.edu | PostAward@ccny.cuny.edu
Web: <https://www.ccny.cuny.edu/research/gsp>
PARS: <https://www.ccny.cuny.edu/research/pars>

From: Lindsay Burns <lburns@cassavasciences.com>
Sent: Friday, July 24, 2020 11:53 AM
To: Alan Shih <ashih@ccny.cuny.edu>
Cc: Hoau-Yan wang <[REDACTED]@gmail.com>
Subject: [EXTERNAL] Clinical trial agreement amendment

Dear Alan,

POL 87(2)(d)

I hope you are doing well. Here is a contract amendment for [REDACTED]
[REDACTED] Please let me know if you have questions.

Best regards,

Lindsay

Lindsay H. Burns, PhD
SVP, Neuroscience
Cassava Sciences, Inc.
O: 512-501-2484 C: 512-574-4238
www.cassavasciences.com

From: Qiang Xu <qxx07a@acu.edu>
Sent time: 09/28/2020 12:57:35 AM
To: Ben Thornton <gthornton@cassavasciences.com>; Hoau-Yan wang <[REDACTED]@gmail.com>; Hoau-yan Wang
Subject: [EXTERNAL] 20200927 [REDACTED]
[REDACTED] [REDACTED]

POL 87(2)(d)

Hi Ben and Hoau,

Hope you are well! [REDACTED]

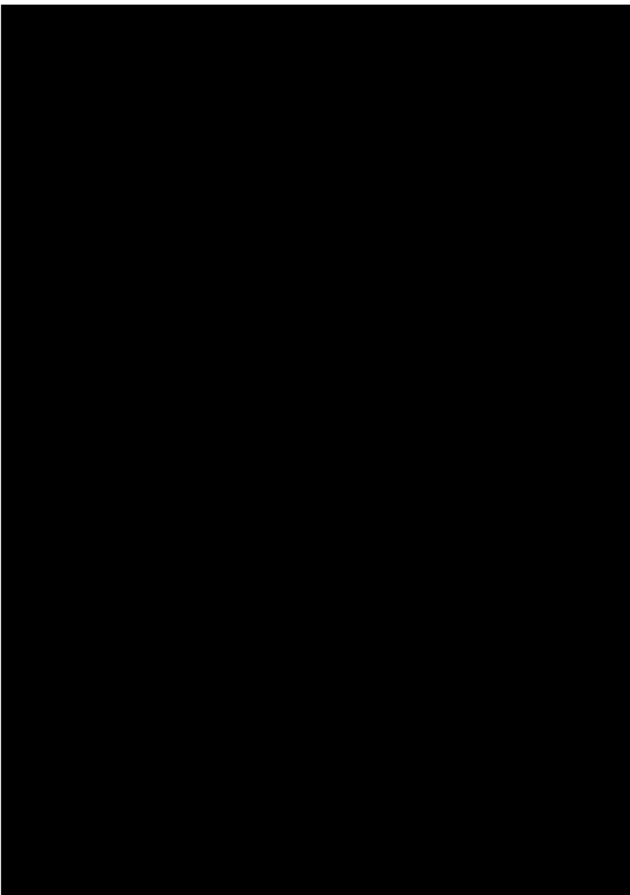
Blessings,

John

--

Qiang (John) Xu, Ph.D.
Professor
Department of Biology
Abilene Christian University
ACU Box 27868
Abilene, Texas 79699-7868
325-674-4883
fax 325-674-2009
qxu@acu.edu

7							



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he [REDACTED]
[REDACTED]
[REDACTED]

1. *Journal of the American Medical Association*, 2000; 283: 2689-2695.

[REDACTED] [REDACTED]
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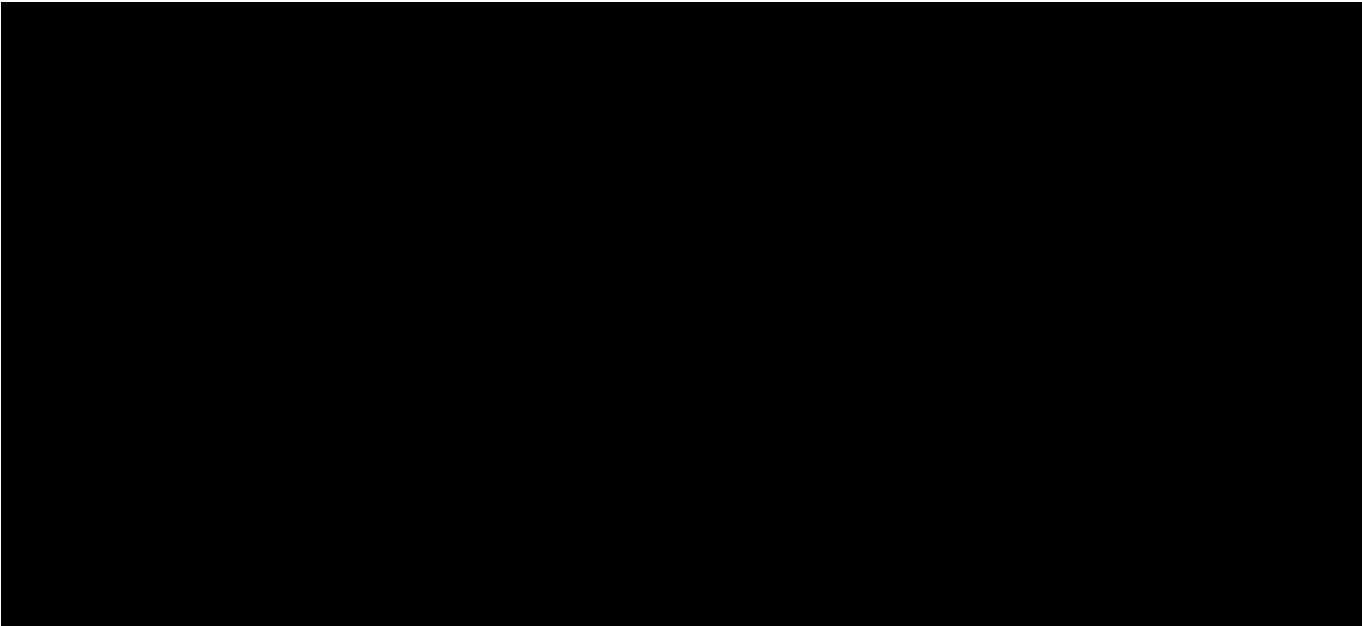
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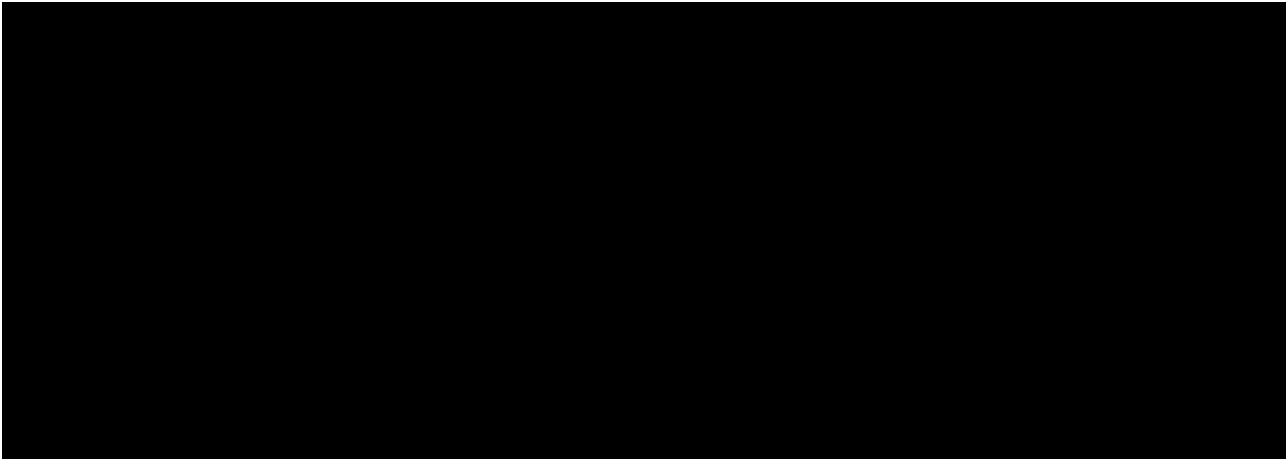
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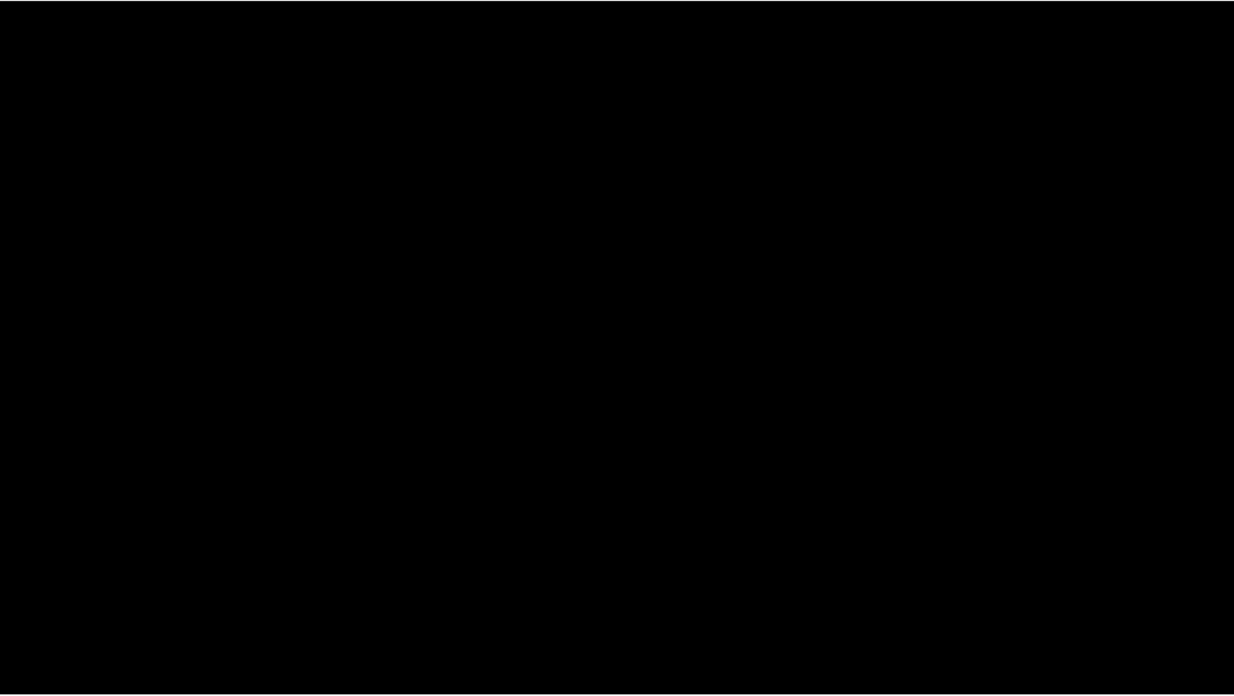
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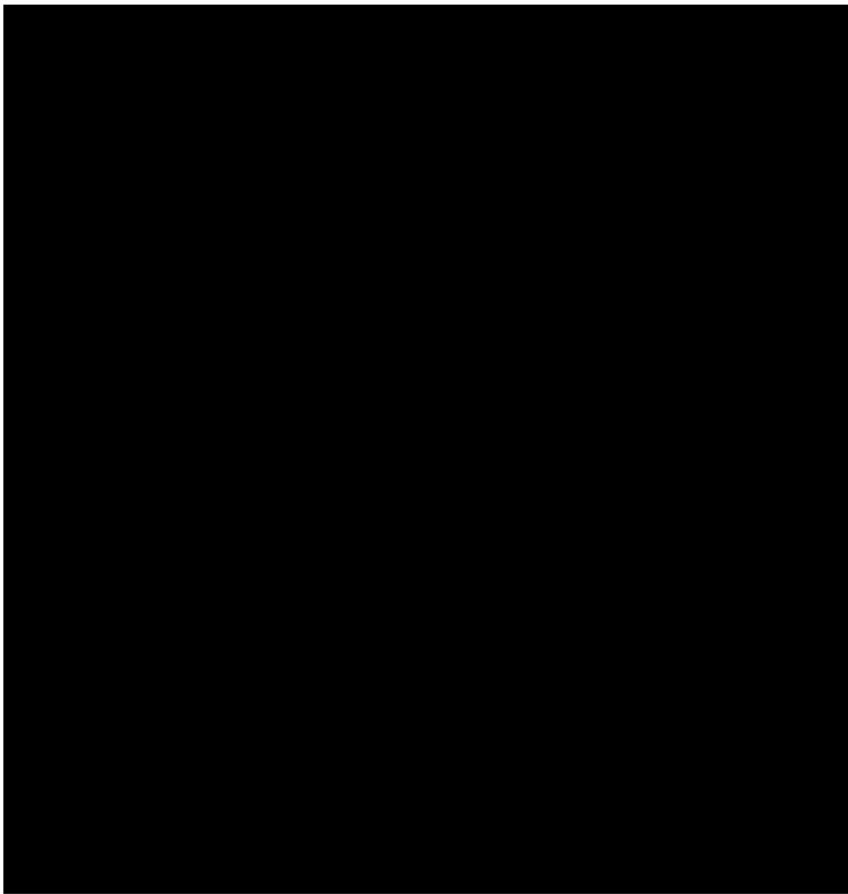
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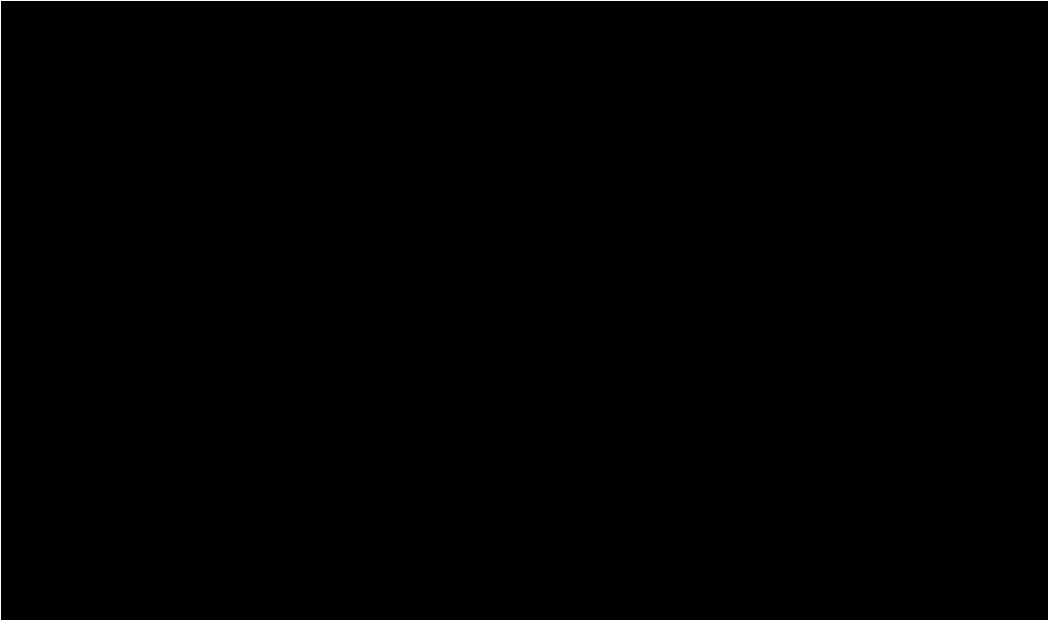
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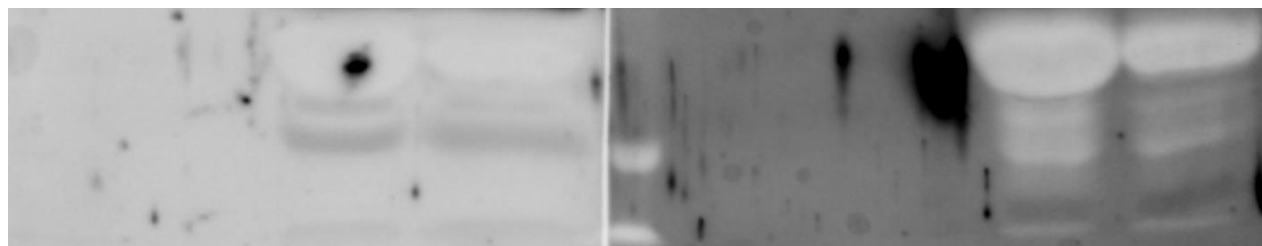
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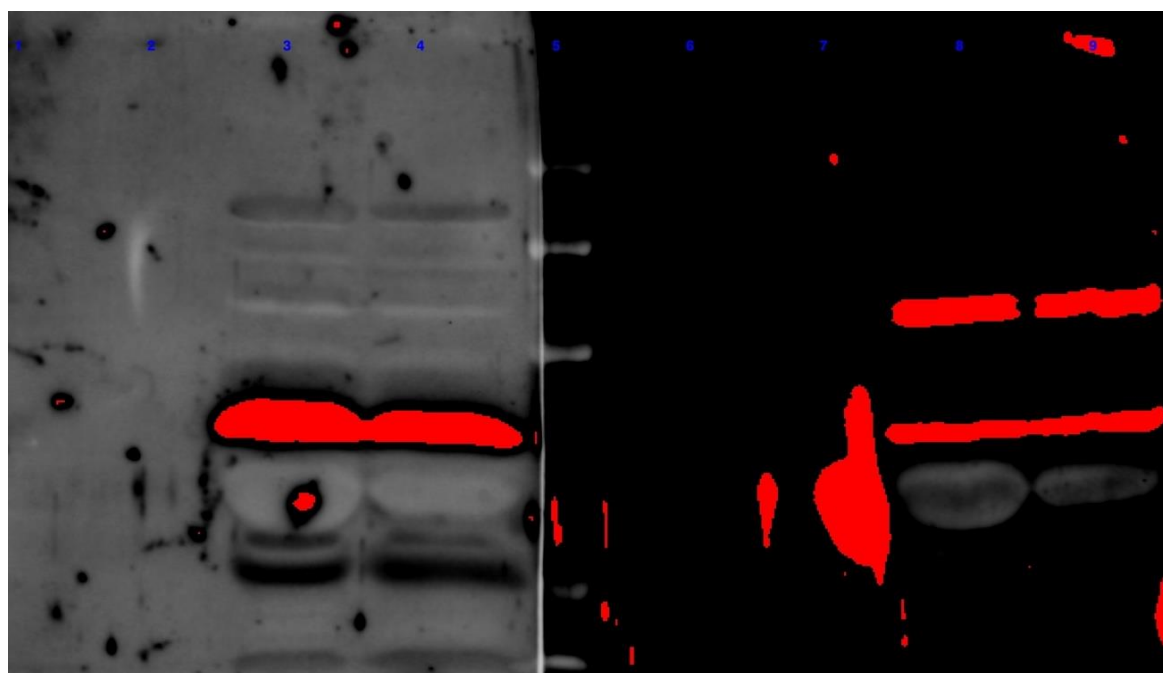




[REDACTED]

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From: [REDACTED]

POL 87(2)(d)

Sent time: 10/01/2020 12:40:45 PM

To: [REDACTED]
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