Hi everyone

I have provided a compiled article below that would provide information to win the rootclaim challenge.

Please get this to @ban\_epp\_gofroc and @billybostickson ASAP.

Thank you very much.

https://twitter.com/3ghtweets/status/1717756867458609403

It does seems that the viral sequence with the patented

CTCCTCGGCGGCACGTAG sequence is needed to generate a proper immune response.

https://twitter.com/daoyu15/status/1700242832701964387

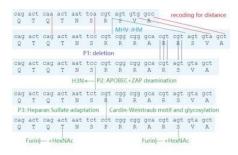
In fact first infection after mRNA vaccination lead to less immune response than with no mRNA vaccination—to the point that 1: there is no prevention of future infections at all. 2: mRNA vaccination increases the chances of being infected multiple times. No CGG-CGG, no immunogenicity. https://archive.md/aMlw7

The current mRNA vaccines are of negative efficacy and are actively dangerous. And the cause? The entire CTCCTCGGCGGGCACGTAG provide both high efficacy as a vaccine strain (when inactivated or further cold adapted) and the Proline provide efficient growth in vaccine-relevant and stock-relevant cell lines. https://archive.md/I3GpT

https://twitter.com/daoyu15/status/1724024956483490133

Vaccination now also happened to correlate with more total hospitalization and ICU events (Covid+non-Covid) now. The only "same share per pop" is total deaths. (Which the fraction in total events is the same as the fraction of 0+1 dose population). The hospitalization and ICU counts on the other hand now sat in a flat 0 in these populations.

The choice for CTC(G)CTCGGCGGCACGTAG is driven by finding the tblastn sequence in the PAT database for synthetic sequences. Ended up with the moderna vaccine patent.

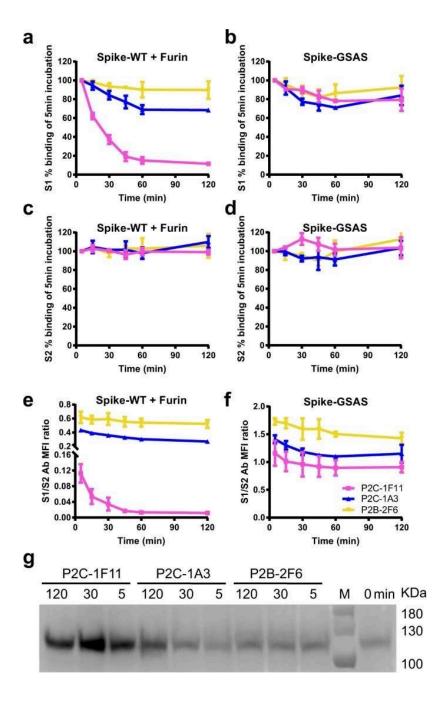


	CONSERVED REGION VARIABLE REGION	
SARS-CoV-2	GAGICASY QTQTNSPRAARSVA-SQSI ggt gca ggt ata tgc gct agt tat cap act cap act at tct cot cgg cgg gca cgt agt gt gca tca tcc atc	
RaTG13	G A G I C A S Y Q T Q T N S R S V A - S Q S I ggt gca gga ata tgc gcc agt tat cag act caa act aat tca cgt agt gtg gcc agt caa tct att	I att
RShSTT182/200 (Cambodia) (identical here)	G A G I C A S Y Q T R N S R S V T - S Q S I ggt gca ggt ata tgc gcc agt tac cag act caa act aat tca cgt agt gta acc agt caa tcc att	I att
Pangolin/GD/2019	G A G I C A S Y Q T N S R S V S - S Q A I ggt gca gga ata tgt gcc agt tat caa act caa act aat tca cgt agt gtt tca agt caa gct att	
RmYN02 Zhou et al.	G A G V C A S Y N S P - A A R - V G - T N S I ggs ggg ggt gtg tgt gcc agt tac aac tca cot gca gcg cgt gta ggt act aat tcc att	I att
RmYN02 Clustal W	G A G V C A S Y N S ( P ) A A R V G - T N S I gga ggg ggt gtg tgt gcc agt tac ac tca ct gca gcg cgt gta ggt act aat tcc att	I att
RmYN02 YD&RS ver. 1	G A G V C A S Y (N S) P A A R - V G - T N S I gga ggg ggt gtg tgt gcc agt tac a act ca cat cat cat cat cat cat c	I att
RmYN02 YD&RS ver. 2	G A G V C A S Y - N S P A A R - V G - T N S I gga ggg ggt gtg tgt gcc agt tac ac tca ct	
RacCS203 (Thailand)	G A G V C A S Y - N S P V A R - V G - T N S I gga goa ggt gtg tgt gcc agt tat aac tca ct gta gca cgt gta ggt act aat tct att	
RacCS264 (Thailand)	G A G V C A S Y - N S P V ? ? ? ? ? ? Q S I gga gga ggt gtg tgt gcc agt tat aac ca ct gta Sca cRt KKR SRY Mcg caa tcc att	I att
RacCS271 (Thailand)	? ? ? V C A S Y - N S P V A R - V G - T N S I	
PrC31 (Yunnan)	G A G I C A S Y H T A P I L R S T S - Q K A I ggt gct ggt att tgt gct agc tac tac cat acg gct cct ata tta cgt agt aca agc cag aag gct att	
Rc-0319 (Japan)	G A G I C A T Y H T P S M L R S A N N N K R I ggc gca agc atc tgc gct aca tat cac acg cca tot agc gca acc cac acc acc acc acc acc acc	
Pangolin/GX/2017	G A G I C A S Y H S M S S F R S V N - Q R S I ggt gct ggc ata tgt gca agt tac att tcc atg tca ttt cgt agt gtc aac cag cgt tca atc	
Rs3367 & RsSHC014 (identical here)	G A G I C A S Y H T V S S L R S T S - Q K S I ggs gct ggc att tgt gct agt tac tat aca gtt tct tat cgt agt act agc caa aaa tct att	v gtg
ZC45	G A G I C A S Y H T A S T L R S T S - Q K A I ggt gct ggt att tgt gct agc tac tac cat acg gct tct ata tta cgc agt aca agc cag aaa gct att	
ZXC21	G A G I C A S Y H T A S I L R S T G - Q K A I ggt gct ggt att tgt gct agc tac cat acg gct tct ata tta cgt agt aca ggc cag aaa gct att	
RmYN01	G A G I C A S Y H T A S L L R N T G - Q K S I ggt gca ggc att tgt gct agt tac aca gct tcc ctt tta cgt aat aca ggc cag aaa tca att	V gtg
LYRa11	G A G I C A S Y H T A S L L R N T D - Q K S I ggt gct ggc att tgt gct agt tac aca gct tct ctc tta cgt aat aca gc cag aaa tca att	
Rf4092	G A G I C A S Y H T A S T L R G V G - Q K S I ggt gct ggc att tgt gct agc tac cat aca gct tct act cta cgt ggt gta ggt cag aaa tcc att	v gtg

Black = common for all
Purple = unique to SARS-CoV-2
Green = differences mostly found in strains shaded in pink (RmYN02 or RacCSxxx)
Blue = differences mostly found in strains shaded in purple (ZC45, Rs3367, LYRa11, etc.)
Yellow = differences mostly found in Pangolin/GX/2017
Red = other differences

atgte tga taa tgg acc cca aaa tca gcg aaa tge acc ccg cat tac gtt tgg tgg acc ctc V - - W T P K S A K C T P H Y V W W T L aga ttc aac tgg cag taa cca gaa tgg aga acg cag tgg ggc gcg atc aaa aca acg tcg R F N W Q - P E W R T Q W G A I K T T S gcc cca agg ttt acc caa taa tac tgc gtc ttg gtt cac cgc tct cac tca aca tgg caa
A P R F T O - Y C V L V H R S H S T W O gga aga cet taa att eec teg agg aca agg egt tee aat taa cac caa tag cag tee aga G R P - I P S R T R R S N - H O - O S R tga cca aat tgg cta cta ccg aag agc tac cag acg aat tcg tgg tgg tgg tga cag taa aat - P N W L L P K S Y O T N S W W - R - N gaa aga tet eag tee aag atg gta ttt eta eta eet agg aac tgg gee aga age tgg aet E R S Q S K M V F L L P R N W A R S W TLet R be R agg ctc ttc tcg ttc ctc atc acg tag tcg caa cag ttc aag aaa ttc aac tcc agg cag L F S F L I T - S Q Q F K K F N S R Qcag tag ggg aac ttc tcc tgc tag aat ggc tgg caa tgg cgg tga tgc tgc tct tgc ttt Q - G N F S C - N G W Q W R - C C S C F gct gct gct tga cag att gaa cca gct tga gag caa aat gtc tgg taa agg cca aca aca A A A A - Q I E P A - E Q N V W - R P T T aca agg cca aac tgt cac taa gaa atc tgc tgc tga ggc ttc taa gaa gcc tcg gca aaa T R P N C H - E I C C - G F - E A S A K acg tac tgc cac taa agc ata caa tgt aac aca agc ttt cgg cag acg tgg tcc aga aca T Y C H -  $\bf S$  I Q C N T S F R Q T W S R T aac cca agg aaa ttt tgg gga cca gga act aat cag aca agg aac tga tta caa aca ttg N P R K F W G P G T N Q T R N - L Q T L gcc gca aat tgc aca att tgc ccc cag cgc ttc agc gtt ctt cgg aat gtc gcg cat tgg A A N C T I C P Q R F S V L R N V A H W cat gga agt cac acc ttc ggg aac gtg gtt gac cta cac agg tgc cat caa att gga tga H G S H T F G N V V D L H R C H Q I G caa aga tcc aaa ttt caa aga tca agt cat ttt gct gaa taa gca tat tga cgc ata caa

Q R S K F Q R S S H F A E - A Y - R I Q aac att ccc acc aac aga gcc taa aaa gga caa aaa gaa ggc tga tga aac tca agc N I P T N R A - K G Q K E E G - - N S S ctt acc gca gag aca gaa gaa aca gca aac tgt gac tct tct tcc tgc tgc aga ttt gga L T A E T E E T A N C D S S S C C R F G tga ttt ctc caa aca att gca aca atc cat gag cag tgc tga ctc aac tca ggc cta -  $\mathbf{F}$  L Q T I A T I H E Q C -  $\mathbf{L}$  N S G L



MHG-II Binding Prediction Results
Input Sequences

| Name | Sequence |
| 2 | GAGICASYQTQTINSPRAR

# Prediction method: IEDB recommended 2.22 | Low adjusted\_rank = good binders Download result ■

Citations
Check to expand the result:

	Start +	End =	Length =	Method used #	Peptide #	Percentile Rank	Adjusted rank
1	5	19	15	Consensus (smm/nn/sturniolo)	CASYQTQTNSPRRAR	3.20	3.20
1	4	18	15	Consensus (smm/nn/sturniolo)	ICASYQTQTNSPRRA	3.70	3.70
1	3	17	15	Consensus (smm/nn/sturniolo)	GICASYOTOTNSPRR	5.30	5.30
1	5	19	15	Consensus (smm/nn/sturniolo)	CASYOTOTNSPRRAR	8.60	8.60
-1		16	15			9.50	9.50
							12.00
	_		-			12.00	12.00
	- 11	1000	100	Establishment Committee Committee			13.00
	- 23	10000	4,039				215000
-	325	100000	0.000			100000	13.00
	-	10000				9.2000	14.00
_							16.00
1	5	19	15	NetMHClipan	CASYQTQTNSPRRAR	18.00	18.00
1	4	18	15	NetMHClipan	ICASYQTQTNSPRRA	23.00	23.00
1	- 1	15	15	Consensus (comb.lib./smm/nn)	GAGICASYQTQTNSP	24.00	24.00
:1	2	16	15	Consensus (smm/nn/sturniolo)	AGICASYQTQTNSPR	31.00	31.00
4	- 4	18	15	Consensus (comb.lib./smm/nn)	ICASYQTQTNSPRRA	31.00	31.00
1	3	17	15	Consensus (comb.lib./smm/nn)	GICASYQTQTNSPRR	36.00	36.00
1	2	16	15	Consensus (comb.lib./smm/nn)		37.00	37.00
115	7.0	10000	7,75%			37.00	37.00
: 1	5	19	15	Consensus (smm/nn/sturniolo)		41.00	41.00
	1.00	1,100	10000			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	41.00
							42.00
	_	10000				197707	42.00
100	- 5	1015	2027			1777	11.000
	125	100500	CIDE	A PROPERTY AND ADDRESS OF A PARTY	A 200 CO. CO. C.	02000	49.50
-			-				50.00
1	_	-	-	Consensus (comb.lib./smm/nn)	AGICASYQTQTNSPR		51.00
1	4	18	15	Consensus (comb.lib./smm/nn)	ICASYQTQTNSPRRA	51.00	51.00
1	1	15	15	Consensus (smm/nn/sturniolo)	GAGICASYQTQTNSP	52.00	52.00
1	1	15	15	Consensus (comb.lib./smm/nn)	GAGICASYQTQTNSP	52.00	52.00
্র	3	17	15	Consensus (comb.lib./smm/nn)	GICASYQTQTNSPRR	52.00	52.00
1	2	16	15	NetMHClipan	AGICASYQTQTNSPR	53.00	53.00
1	5	19	15	Consensus (comb.lib./smm/nn)	CASYOTOTNSPRRAR	53.00	53.00
1	1	15	15	Consensus (comb.lib./smm/nn)	GAGTCASYOTOTNSP	53.00	53.00
		110000	11.000				54.00
	25	20572	CIDE:	The second secon	1220-15-15-15-15-15-15-15-15-15-15-15-15-15-	2000	54.00
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		-					
-		100	1510			17070	55.00
115	515	10000	2/2/79			20000	55.00
11	2	16	15	Consensus (comb.lib./smm/nn)	AGICASYQTQTNSPR	56.00	56.00
্ৰ	2	16	15	Consensus (smm/nn/sturniolo)	AGICASYQTQTNSPR	56.00	56.00
1	3	17	15	Consensus (smm/nn)	GICASYQTQTNSPRR	56.00	56.00
1	4	18	15	Consensus (smm/nn)	ICASYQTQTNSPRRA	56.50	56.50
1	2	16	15	Consensus (smm/nn/sturniolo)	AGICASYQTQTNSPR	57.00	57.00
1	1	15	15	Consensus (comb.lib./smm/nn)	GAGICASYQTQTNSP	57.00	57.00
-1	-1	15	15	Consensus (smm/nn/sturniolo)	GAGICASYQTQTNSP	57.00	57.00
1	4	18	15	Consensus (smm/nn/sturniolo)	ICASYOTOTNSPRRA	57.00	57.00
_		19	15	115		58.00	58.00
		1000	11000			1111111	58.00
100	193	10203	4,000			20000	58.00
-	-	13000	57.000			3.700.5	1//2001000
			1,110			687887	59.00
_						22.00	59.00
	1	15	1111	Consensus (comb.lib./smm/nn)			59.00
	3	17	15	Consensus (comb.lib./smm/nn)	GICASYQTQTNSPRR	59.00	59.00
1	3	17	15	Consensus (comb.lib./smm/nn)	GICASYQTQTNSPRR	60.00	60.00
:1	5	19	15	Consensus (comb.lib./smm/nn)	CASYQTQTNSPRRAR	61.00	61.00
1	-1	15	15	Consensus (comb.lib./smm/nn)	GAGICASYQTQTNSP	62.00	62.00
1	4	18	15	Consensus (comb.lib./smm/nn)	ICASYQTQTNSPRRA	62.00	62.00
1	1	15	15	Consensus (smm/nn/sturniolo)	GAGICASYQTQTNSP	63.00	63.00
1	3	17	15	Consensus (smm/nn/sturniolo)	GICASYQTQTNSPRR	63.00	63.00
		1	1         5         19           1         4         18           1         3         17           1         5         19           1         2         16           1         4         18           1         3         17           1         4         18           1         5         19           1         4         18           1         5         19           1         4         18           1         1         15           1         2         16           1         4         18           1         2         16           1         5         19           1         1         15           1         2         16           1         1         15           1         1         15           1         1         15           1         1         15           1         1         15           1         1         15           1         1         15           1         2<	1         5         19         15           1         4         18         15           1         3         17         15           1         5         19         15           1         2         16         15           1         2         18         15           1         4         18         15           1         3         17         15           1         4         18         15           1         5         19         15           1         3         17         15           1         4         18         15           1         4         18         15           1         2         16         15           1         2         16         15           1         2         16         15           1         3         17         15           1         4         18         15           1         4         18         15           1         5         19         15           1         1         15         15 <tr< td=""><td>  1   5   19   15   Consensus (smm/no/sturniol)</td><td>                                     </td><td>  1</td></tr<>	1   5   19   15   Consensus (smm/no/sturniol)		1

# MHC-II Binding Prediction Results Input Sequences Name Sequence 1 IEDB Epitope 952701 CALPDTP5TLTPRSVRSVPGEMRLA

# Prediction method: IEDB recommended 2.22 | Low adjusted\_rank = good binders Download result ■

Allele =		Start =	End	Length =	Method used #	Peptide #	Percentile Rank *	Adjusted rank
HLA-DRB5*01:01	1	11	25	15	Consensus (smm/nn/sturniolo)	TPRSVRSVPGEMRLA	8.40	8.40
HLA-DRB5*01:01	31	10	24	15	Consensus (smm/nn/sturniolo)	LTPRSVRSVPGEMRL	8.60	8.60
HLA-DRB5*01:01	1	9	23	15	Consensus (smm/nn/sturniolo)	TLTPRSVRSVPGEMR	9.50	9.50
HLA-DPA1*02:01/DPB1*14:01	1	-11	25	15	NetMHClipan	TPRSVRSVPGEMRLA	16.00	16.00
HLA-DPA1*02:01/DPB1*14:01	1	10	24	15	NetMHClipan	LTPRSVRSVPGEMRL	20.00	20.00
HLA-DRB1*09:01	1	11	25	15	Consensus (comb.lib./smm/nn)	TPRSVRSVPGEMRLA	21.00	21.00
HLA-DQA1*05:01/DQB1*03:01	1	10	24	15	Consensus (comb.lib./smm/nn)	LTPRSVRSVPGEMRL	25.00	25.00
HLA-DRB1*09:01	1	10	24	15	Consensus (comb.lib./smm/nn)	LTPRSVRSVPGEMRL	25.00	25.00
HLA-DQA1*05:01/DQB1*03:01	1	9	23	15	Consensus (comb.lib./smm/nn)	TLTPRSVRSVPGEMR	25.00	25.00
HLA-DQA1*05:01/DQB1*03:01	1	11	25	15	Consensus (comb.lib./smm/nn)	TPRSVRSVPGEMRLA	25.00	25.00
HLA-DRB1*09:01	1	5	19	15	Consensus (comb.lib./smm/nn)	DTPSTLTPRSVRSVP	27.00	27.00
HLA-DRB1*09:01	1	4	18	15	Consensus (comb.lib./smm/nn)	PDTPSTLTPRSVRSV	27.00	27.00
HLA-DOA1'05:01/DOB1'03:01	1	7	21	15	Consensus (comb.lib./smm/nn)	PSTLTPRSVRSVPGE	28.00	28.00
HLA-DQA1'05:01/DQB1'03:01	4	8	22	15		STLTPRSVRSVPGEM	28.00	28.00
HLA-DQA1*05:01/DQB1*03:01	1	9	23	15	Consensus (comb.lib./smm/nn) Consensus (comb.lib./smm/nn)		29.00	29.00
THE PROPERTY OF THE PARTY OF TH	100	1 7/4	105/0	20.000		TLTPRSVRSVPGEMR		0.000000
HLA-DRB1*07:01	-31	- 31	15	15	Consensus (comb.lib./smm/nn)	CALPDTPSTLTPRSV	31.00	31.00
HLA-DRB1*03:01	1	11	25	15	Consensus (smm/nn/sturniolo)	TPRSVRSVPGEMRLA	31.00	31.00
HLA-DRB1*03:01	1	10	24	15	Consensus (smm/nn/sturniolo)	LTPRSVRSVPGEMRL	32.00	32.00
HLA-DRB1*09:01	1	3	17	15	Consensus (comb.lib./smm/nn)	LPDTPSTLTPRSVRS	33.00	33.00
HLA-DRB1*07:01	1	10	24	15	Consensus (comb.lib./smm/nn)	LTPRSVRSVPGEMRL	33.00	33.00
HLA-DRB1*08:02	1	10	24	15	Consensus (smm/nn/sturniolo)	LTPRSVRSVPGEMRL	33.00	33.00
HLA-DRB1*07:01	31	8	22	15	Consensus (comb.lib./smm/nn)	STLTPRSVRSVPGEM	33.00	33.00
HLA-DRB1*07:01	1	9	23	15	Consensus (comb.lib./smm/nn)	TLTPRSVRSVPGEMR	33.00	33.00
HLA-DRB1*08:02	1	9	23	15	Consensus (smm/nn/sturniolo)	TLTPRSVRSVPGEMR	33.00	33.00
HLA-DRB1*09:01	1	2	16	15	Consensus (comb.lib./smm/nn)	ALPDTPSTLTPRSVR	34.00	34.00
HLA-DRB1*07:01	1	5	19	15	Consensus (comb.lib./smm/nn)	DTPSTLTPRSVRSVP	36.00	36.00
HLA-DRB1*07:01	1	-4	18	15	Consensus (comb.lib./smm/nn)	PDTPSTLTPRSVRSV	36.00	36.00
HLA-DRB1*09:01	1	8	22	15	Consensus (comb.lib./smm/nn)	STLTPRSVRSVPGEM	36.00	36.00
HLA-DRB1*03:01	1	9	23	15	Consensus (smm/nn/sturniolo)	TLTPRSVRSVPGEMR	36.00	36.00
HLA-DPA1*02:01/DPB1*14:01	1	9	23	15	NetMHClipan	TLTPRSVRSVPGEMR	37.00	37.00
HLA-DRB1*07:01	1	2	16	15	Consensus (comb.lib./smm/nn)	ALPDTPSTLTPRSVR	39.00	39.00
HLA-DRB1*01:01	1	-1	15	15	Consensus (comb.lib./smm/nn)	CALPDTPSTLTPRSV	39.00	39.00
HLA-DRB1*07:01	1	3	17	15	Consensus (comb.lib./smm/nn)	LPDTPSTLTPRSVRS	39.00	39.00
HLA-DRB1*07:01	1	6	20	15	Consensus (comb.lib./smm/nn)	TPSTLTPRSVRSVPG	39.00	39.00
HLA-DRB1*01:01	1	5	19	15	Consensus (comb.lib./smm/nn)	DTPSTLTPRSVRSVP	40.00	40.00
HLA-DRB1*01:01	1	4	18	15	Consensus (comb.lib./smm/nn)	PDTPSTLTPRSVRSV	40.00	40.00
HLA-DRB1*07:01	11	7	21	15	Consensus (comb.lib./smm/nn)	PSTLTPRSVRSVPGE	40.00	40.00
HLA-DRB1'09:01	1	7	21	15	Consensus (comb.lib./smm/nn)		40.00	40.00
HLA-DRB1*09:01	2.5	_				PSTLTPRSVRSVPGE	40.00	40.00
HLA-DRB3*02:02 HLA-DRB1*09:01	1	11	25	15	NetMHClipan	TPRSVRSVPGEMRLA	40.00	40.00
	0.00	50	20	2,055	Consensus (comb.lib./smm/nn)	TPSTLTPRSVRSVPG	97,27	(4.553555)
HLA-DRB1*12:01	1	5	19	15	Consensus (smm/nn)	DTPSTLTPRSVRSVP	41.00	41.00
HLA-DRB1*01:01	1	3	17	15	Consensus (comb.lib./smm/nn)	LPDTPSTLTPRSVRS	41.00	41,00
HLA-DRB1*15:01	1	10	24	15	Consensus (smm/nn/sturniolo)	LTPRSVRSVPGEMRL	41.00	41.00
HLA-DRB1*13:02	1	9	23	15	Consensus (smm/nn/sturniolo)	TLTPRSVRSVPGEMR	41.00	41.00
HLA-DRB1*01:01	1	11	25	15	Consensus (comb.lib./smm/nn)	TPRSVRSVPGEMRLA	41.00	41.00
HLA-DRB1*12:01	1	4	18	15	Consensus (smm/nn)	PDTPSTLTPRSVRSV	41.50	41.50
HLA-DRB1*13:02	:1	8	22	15	Consensus (smm/nn/sturniolo)	STLTPRSVRSVPGEM	42.00	42.00
HLA-DRB1*12:01	1	6	20	15	Consensus (smm/nn)	TPSTLTPRSVRSVPG	42.50	42.50
HLA-DRB1*13:02	1	10	24	15	Consensus (smm/nn/sturniolo)	LTPRSVRSVPGEMRL	43.00	43.00
HLA-DRB1*12:01	1	7	21	15	Consensus (smm/nn)	PSTLTPRSVRSVPGE	43.50	43.50
HLA-DQA1*05:01/DQB1*03:01	1	5	19	15	Consensus (comb.lib./smm/nn)	DTPSTLTPRSVRSVP	44.00	44.00
HLA-DQA1*05:01/DQB1*03:01	11	4	18	15	Consensus (comb.lib./smm/nn)	PDTPSTLTPRSVRSV	44.00	44.00
HLA-DRB1*08:02	1	4	18	15	Consensus (smm/nn/sturniolo)	PDTPSTLTPRSVRSV	44.00	44.00
HLA-DQA1*05:01/DQB1*03:01	1	6	20	15	Consensus (comb.lib./smm/nn)	TPSTLTPRSVRSVPG	44.00	44.00
	1	6	20	15	Consensus (smm/nn/sturniolo)	TPSTLTPRSVRSVPG	44.00	44.00
HLA-DRB1*08:02			1000	1000		ALPDTPSTLTPRSVR	45.00	45.00
HLA-DRB1*08:02 HLA-DRB1*01:01	1	2	16	15	Consensus (comb.lib./srryn/nn)			
HLA-DRB1*01:01	1	2.5	10573	1, 000	Consensus (comb.lib./smm/nn)		10000000	45.00
HLA-DRB1*01:01 HLA-DQA1*05:01/DQB1*02:01	1	11	25	15	Consensus (comb.lib./smm/nn)	TPRSVRSVPGEMRLA	45.00	45.00 46.00
HLA-DRB1*01:01 HLA-DQA1*05:01/DQB1*02:01 HLA-DRB3*02:02	1	11	25 24	15 15	Consensus (comb.lib./smm/nn) NetMHCllpan	TPRSVRSVPGEMRLA LTPRSVRSVPGEMRL	45.00 46.00	46.00
HLA-DRB1*01:01 HLA-DQA1*05:01/DQB1*02:01 HLA-DRB3*02:02 HLA-DRB1*15:01	1 1 1	11 10 9	25 24 23	15 15 15	Consensus (comb.lib./smm/nn) NetMHClipan Consensus (smm/nn/sturniolo)	TPRSVRSVPGEMRLA LTPRSVRSVPGEMRL TLTPRSVRSVPGEMR	45.00 46.00 46.00	46.00 46.00
HLA-DRB1*01:01 HLA-DQA1*05:01/DQB1*02:01 HLA-DRB3*02:02	1	11	25 24	15 15	Consensus (comb.lib./smm/nn) NetMHCllpan	TPRSVRSVPGEMRLA LTPRSVRSVPGEMRL	45.00 46.00	46.00

	S1/S2 Junction
SARS-COV-2	CASYQTQTNSPRRARSVASQ-SIIAY
ZC45	CASYHTASILRSTS-QKAIVAY
ZC21	CASYHTASILRSTG-QKAIVAY
Before SARS-CO	V-2 (Ja
SARS (Urbani)	CASYHTVSLLRSTS-QKSIVAY
YN2018A	CASYHTASTLRSVG-QKSIVAY
Rp/Shaanxi2011	CASYHTASVLRSTG-QKSIVAY
Rs4247	CASYHTASTLRSVG-QKSIVAY
YN2018B	CASYHTVSSLRSTS-QKSIVAY
As6526	CASYHTASTLRSVG-QKSIVAY
Rs4237	CASYHTASTLRSVG-QKSIVAY
Longquan-140	CASYHTASVLRSTG-QKSIVAY
Rs4081	CASYHTASTLRSVG-QKSIVAY
BetaCoV/GX2013	CASYHTASVLRSTG-QKSIVAY
HKU3-1	CASYHTASVLRSTG-QKSIVAY
YN2013	CASYHTASTLRSIG-QKSIVAY
Rs806/2006	CASYHTASLLRSTG-QKSIVAY
Cp/Yunnan2011	CASYHTASLLRNTG-QKSIVAY
Rs3367	CASYHTVSSLRSTS-QKSIVAY
WIV1	CASYHTVSSLRSTS-QKSIVAY
YN2018D	CASYHTASTLRSVG-QKSIVAY
Rs4255	CASYHTASTLRSVG-QKSIVAY
Rs_672/2006	CASYHTASTLRSVG-QKSIVAY
WIV16	CASYHTVSSLRSTS-QKSIVAY
RsSHC014	CASYHTVSSLRSTS-QKSIVAY
SARS (Civet)	CASYHTVSSLRSTS-QKSIVAY
LYRaA3	CASYHTASLLRNTG-QKSIVAY
LYRaA11	CASYHTASLLRNTD-QKSIVAY
Rs9401	CASYHTVSSLRSTS-QKSIVAY
Rs4084	CASYHTVSSI,RSTS-OKSIVAY

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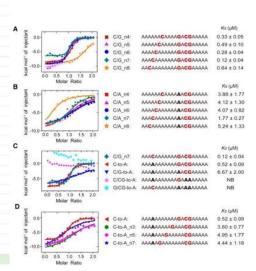
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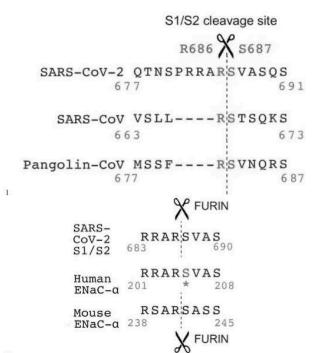
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Before SARS-COV-2	(Ja
SARS (Urbani)	CASYHTVSLLRSTS-QKSIVAY
YN2018A	CASYHTASTLRSVG-QKSIVAY
Rp/Shaanxi2011	CASYHTASVLRSTG-QKSIVAY
Rs4247	CASYHTASTLRSVG-QKSIVAY
YN2018B	CASYHTVSSLRSTS-QKSIVAY
As6526	CASYHTASTLRSVG-QKSIVAY
Rs4237	CASYHTASTLRSVG-QKSIVAY
Longquan-140	CASYHTASVLRSTG-QKSIVAY
Rs4081	CASYHTASTLRSVG-QKSIVAY
BetaCoV/GX2013	CASYHTASVLRSTG-QKSIVAY
HKU3-1	CASYHTASVLRSTG-QKSIVAY
YN2013	CASYHTASTLRSIG-QKSIVAY
Rs806/2006	CASYHTASLLRSTG-QKSIVAY
Cp/Yunnan2011	CASYHTASLLRNTG-QKSIVAY
Rs3367	CASYHTVSSLRSTS-QKSIVAY
WIV1	CASYHTVSSLRSTS-QKSIVAY
YN2018D	CASYHTASTLRSVG-QKSIVAY
Rs4255	CASYHTASTLRSVG-QKSIVAY
Rs_672/2006	CASYHTASTLRSVG-QKSIVAY
WIV16	CASYHTVSSLRSTS-QKSIVAY
RsSHC014	CASYHTVSSLRSTS-QKSIVAY
SARS (Civet)	CASYHTVSSLRSTS-QKSIVAY
LYRaA3	CASYHTASLLRNTG-QKSIVAY
LYRaA11	CASYHTASLLRNTD-QKSIVAY
Rs9401	CASYHTVSSLRSTS-QKSIVAY
Rs4084	CASYHTVSSLRSTS-QKSIVAY
Rs7327	CASYHTVSSLRSTS-QKSIVAY
Anlong-103	CASYHTASTLRSVG-QKSIVAY
SC2018	CASYHTASTLRSTG-QKSIVAY
YN2018C	CASYHTASTLRSVG-QKSIVAY
RaTG13	CASYOTOTNSRSVASQ-SIIAY





NIAID PROVIDER TO FOR-PROFIT

2

NAID TRACKING NUMBER: 2018-0664

#### MATERIAL TRANSFER AGREEMENT

This Material Transfer Agreement ("MTA") has been adopted for use by the National Institute of Allergy and Infectious Diseases ("NIAD"), an institute at the National Institutes of Health, which is part of the Department of Health and Human Services, an agency of the United States Government ("Provider") in transfers of research material to for-profit institutions for internal research.

Recipient: ModernaTX, Inc., having offices at 500 Technology Square Cambridge, MA 02139, created and operating under the laws of Delaware

 Provider has previously transferred to Recipient's Investigator the following material(s), including known functional components or subunits and modified or unmodified descendants thereof ("Research Material"):

Name/Description	Reference
Cell line #1: RajiDCSIGN	PMID: 16415006 and PMID: 18005691
Cell itne #2: RajiDCSIGNR	PMID: 16415006 and PMID: 18005691
pFerin; a DNA expression construct expressing human furin protease	Davis et al., J Virol. 2006 Feb; \$0(3);1290-301 (PMID: 16415006)
Replicon#1: pWNVII-Rep-G/Z; a WNV lineage II replicon expressing GFP and zeocin resistance	Pierson et al., Virology. 2006 Mar 1;346(1):53 65, (PMID: 16325883)
Replicon#2: pWNVII-Rep-Ren-IB; a WNV lincage II replicon expressing Renilla luciferase and blasticidin resistance	Pierson et al., Virology. 2006 Mar 1;346(1):53 65. (PMID: 16325883)

THIS RESEARCH MATERIAL MAY NOT BE USED IN HUMAN SUBJECTS. The
Research Material will only be used for commercial research purposes by Recipient's Investigator in his/her
laboratory, for the research project described below, under suitable containment conditions. The Research Material
will not be used in any product offered for sale or processes for the manufacture thereof, including quality
control procedures, or in commercial services.

Recipient agrees to comply with all laws, rules and regulations applicable to the Research Project and the handling of the Research Material.

a.	Is the	Research	Material	of human	origin?

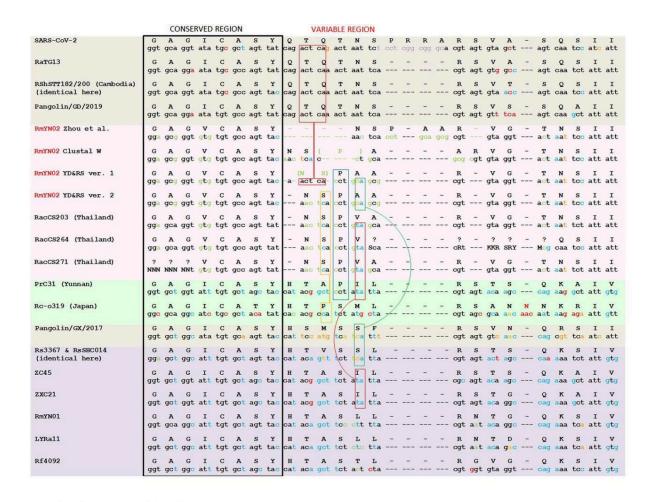
□Yes ⊠No

b. If Yes in 2a, was Research Material collected according to 45 C.F.R. Part 46, "Protection of Human Subjects"?

Yes Please provide Assurance Number:

(00030203.2)

NIAID Tracking Number 2017-06 Page 1 o



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Black = common for all

Purple = unique to SARS-CoV-2

Green = differences mostly found in strains shaded in pink (RmYNO2 or RacCSxxx)

Blue = differences mostly found in strains shaded in purple (ZC45, Rs3367, LYRall, etc.)

Yellow = differences mostly found in Pangolin/GX/2017

Red = other differences

Caa tgc tgc aat cgt gct aca act

Q C C N R A T T

aga agg gag cag agg cgag tca

R R E Q R R Q S

ttc aag aaa ttc aac tcc agg cag

F K K F N S R Q

tgg cgg tga tgc tgc tct tgc ttt

W R - C C S C F
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https://twitter.com/rootclaim/status/1758127978763125053?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

Also, QTQRRQSRS is much more likely than QTQTNSPRRARS if recombination yielded the FCS.

Example of China gatekeeping to give unfair advantage to the zoo side, in addition to the fact that the zoonati repeatedly strawmanned impossible bayes factor assignments.

The market claim is debunked alongside.

Before they begun enforcing their claim of "100/174 centered around the market" https://twitter.com/daoyu15/status/1674351139079479298 and starting to tamper with data to make the claim, https://ghrp.biomedcentral.com/articles/10.1186/s41256-021-00200-8

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7149375/

135/92 and 115/82 cases already got into in early peer-reviewed papers that went missing in the WHO report.

https://twitter.com/daoyu15/status/1682778742664630272 Past media reports archive.md/Ea0Kw archive.md/1x658 also contradict WHO in key early cases' residences, including the earliest case they admit in the WHO report.

http://archive.md/5sdkR http://archive.md/1pcCUarchive.md/N0hib archive.md/VXtu9 http://archive.is/Kyr1z

https://archive.org/details/mace-e-pai-covid-19-analysis-redacted/page/8/mode/1up And you know that they hate this information when it was censored.

The MACE-EPAI document here is not searchable on google.

https://twitter.com/daoyu15/status/1672399653344808960

Up to one third of all cases were either removed completely or moved toward the market in the "dataset".

archive.md/zUD1F archive.md/Pc6gp https://archive.is/p3K3Z

https://twitter.com/daoyu15/status/1678549054794629120

https://twitter.com/daoyu15/status/1677727068082286592

Including the very first case they ever admitted officially.

https://twitter.com/daoyu15/status/1693985440762929643

And outright removed 4 times more cases than official.

https://twitter.com/daoyu15/status/1677234083389411328

Unlinked cases supposedly secondary to linked cases should cluster around them, not the market itself.

https://twitter.com/daoyu15/status/1744157399479664843

archive.md/GvRcD archive.md/ZgVzp Wuhan authorities after that

archive.md/OIGPz 2014 incident now targeted only the Huanan market when looking for EID outbreaks—and nowhere else.

archive.md/1x658

They tampered with the early cases data

archive.md/Ea0Kw

To make it look like it "started at the market" when in reality the first case they ever admitted lived right next to the WIV BSL-4.

archive.md/5sdkR severe discrepancy happening December 2019 and January 2020 indicate tampering with case counts.

archive.md/1pcCU

This is indicative of catastrophic ascertainment bias was going on.

None of China's "early cases" dataset is credible. <a href="https://archive.md/ET1GA">https://archive.md/ET1GA</a>

https://twitter.com/daoyu15/status/1678057846204960768

https://archive.md/Ea0Kwhttps://archive.md/1x658

The tampering of early case residence data is systematic and extensive. It is the reason why they refused to provide this data in any detail at all.

https://twitter.com/daoyu15/status/1719518909009981579

https://twitter.com/daoyu15/status/1672404501129756673

Not only did The first every case they admitted live in Shidong right next to the BSL-4, and were moved toward the market in the WHO report in contradiction to all known media coverage, https://gab.com/Flavinkins/posts/109256201942085712 the entirety of Wuchang district was wiped clean for every single WHO case that have onset before 27/12/2019—with up to 3000 cases moved to the market this way over the entire Wuhan outbreak. <a href="https://archive.md/1x658">https://archive.md/1x658</a> and for central Wuchang near the labs and the densest inhabited regions inside the district, all cases were moved away in the WHO map.

https://twitter.com/biorealism/status/1702047444736111042

Unfortunately Rasmussen's work on the origins question rests heavily on what David Relman described as "hopelessly impoverished" early case data.

https://www.washingtonpost.com/national-security/2023/02/27/little-known-scientific-team-behind-new-assessment-covid-19-origins/

https://www.washingtonpost.com/opinions/2022/11/17/covid-early-cases-wuhan-chin a-mystery/https://archive.md/ke1lp

https://archive.md/RaYPChttps://twitter.com/daoyu15/status/1726274673472876584 https://twitter.com/biorealism/status/1726475588289040834

David Fisman: I think the most interesting thing this fellow says is that there are clearly tens of thousands of cases...That implies a much earlier introduction than would have occurred with a seafood market outbreak..."

https://x.com/blink64/status/1747299970460582305?s=46&t=wRQSWp\_1VffWmS2v KQwhSA

https://www.nytimes.com/2021/02/12/world/asia/china-world-health-organization-coro navirus.html

https://archive.md/UFrSv

They systematically moved more than 3000 cases from the lab to the market and gave "cases data" that they wanted to push for market as first outbreak site to distance from the labs.

https://www.researchgate.net/publication/370635299\_Greater\_than\_the\_Sum\_of\_its \_Parts\_-\_Aggregated\_Wuhan\_COVID-19\_case\_data\_points\_to\_the\_wrong\_side\_of \_the\_Yangtze\_River\_-\_Rixey\_-\_20230509

Such an result of having unlinked cases closer to the market than linked cases is not expected even under the null hypothesis of market origin, which we should see unlinked cases secondary to and cluster around the linked cases, and not the market itself.

https://twitter.com/emanymton90/status/1666720918901538824?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

https://www.researchgate.net/publication/370635299\_Greater\_than\_the\_Sum\_of\_its \_Parts\_-\_Aggregated\_Wuhan\_COVID-19\_case\_data\_points\_to\_the\_wrong\_side\_of \_the\_Yangtze\_River\_-\_Rixey\_-\_20230509

Not only there were an complete absence of verifiability in Chinese cases, there is direct non-circumstantial evidence that they moved up to 3000 cases from Wuchang to Huanan.

In fact, it is totally not normal to have unlinked cases closer to the market than linked cases—the only way this can happen is with ascertainment bias. Only near the market gets ascertained if not directly linked to it.

https://twitter.com/emanymton90/status/1580511684912742400?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

Base rate neglect. They did the exact same thing when claiming that all 67 "pre-Huanan checkable cases" were "serologically negative".

https://twitter.com/daoyu15/status/1631705321239629824?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

Again, the social media associated here say "before Jan 18, 2020". Included all Dec cases. https://www.mdpi.com/2220-9964/9/6/402

https://twitter.com/danwalker9999/status/1745106077274828819?s=46&t=wRQSWp 1VffWmS2vKQwhSA

It is actually impossible for unlinked cases, supposedly secondary, to cluster closer to the market than linked cases which supposedly to be primary, without significant sampling bias or outright manipulation in the underlying "data".

https://twitter.com/daoyu15/status/1745090431505854942?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

Both evidently happened.

https://arxiv.org/pdf/2401.08680.pdf

https://archive.md/JVFuc

If you toss away anything that is not officially announced by China in bold, then obviously you would arrive at exactly what China wanted you to believe.

https://twitter.com/rootclaim/status/1753353199216439672?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

Just as expected from jurong, mahachai, xinfadi, https://archive.md/GKdtc ,if a superspreading event happen on line 2 of the Wuhan metro, the biggest cluster would always be in the HSM.

https://twitter.com/daoyu15/status/1753584453279187447?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

Another hint: only 5% of all cases are severe or ascertained in early 2020. https://twitter.com/daoyu15/status/1753593531250470983?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

Chen lived in Shidong. Even by the annexes indicating his history. The only thing they did is that they moved him to Jianghan close to the market on the WHO maps. https://twitter.com/daoyu15/status/1672404501129756673?s=46&t=wRQSWp\_1VffW mS2vKQwhSA

Also, Chen is not the only person infected in Shidong/Jiangxia and central Wuchang. Most were censored and only one of the two ambulances arriving in 31/12/2019 have been registered as a dot—likely because the origin wasn't inside the Shidong prefecture/BSL-4 surroundings, and likely only because of being a close contact relative of Chen (contacting an known case).

Chen's accidental inclusion in the WCH's first report of early cases and its subsequent media coverage mean that China have no choice but to tamper with the official data in an attempt to move him—while the HPHICWM attempt to whistleblow the "cluster 1" cases in 26-27/12/2019 generated from the WCDC's leak of their culture stock (intended for sample manipulation) was blocked by the Hubei CDC, until the report included market cases as well in 29/12/2019. To save face, the CCP leveraged the fact that the WCDC is right nextdoor to the market and forced official media to only say that the cases were "close to the Huanan market" but not allowing the proximity to the WCDC to be reported.

https://gab.com/Flavinkins/posts/109256201942085712 All dots they moved this way (up to 1/3 of all cases) was sent to Jianghan, https://archive.md/p3K3Z

https://www.researchgate.net/publication/370635299\_Greater\_than\_the\_Sum\_of\_its \_Parts\_-\_Aggregated\_Wuhan\_COVID-19\_case\_data\_points\_to\_the\_wrong\_side\_of \_the\_Yangtze\_River\_-\_Rixey\_-\_20230509 especially to the immediate surroundings of the market, to scapegoat it and end up causing the "unlinked cases" cluster to be closer to the market than the "linked cases" cluster, despite supposedly the linked cases should be the only source of initial human to human transmission seeding and therefore the unlinked cases should cluster near the linked cases and not the market itself. https://twitter.com/daoyu15/status/1744155296937935089

This kind of improbable-under-null-hypothesis behavior is all over Chinese "data". https://twitter.com/daoyu15/status/1719518909009981579 archive.md/VNr75 archive.md/rj1pV

They attempted to spray their culture into the wildlife stalls, which ended up twitter.com/daoyu15/status/1704685320388948318

Making Homo Sapiens the only species that is found in every sample with a viral read in the market (note the absence of lineage reads in the wildlife stalls), and archive.md/LJzSO archive.md/4cCHG archive.md/13bdP all of the subsequent efforts at creating positive samples where the CCP specified them to do ("Blame snakes!" Is the official voice in 02/2020) just brought in artifacts first, and then when all of the mammals have degraded away, pure cultures of SARS-CoV-2 intracellular transcriptomes in human cellular transcriptomes.

Because Homo Sapiens is still the only species that they can get infected at all, https://twitter.com/daoyu15/status/1703918936843321541

if you zoom in and correlate between animals and viruses, You get animal-specific viruses being correlated strongly positively to the animals,

https://twitter.com/daoyu15/status/1720290396033749336 and SARS-CoV-2 being positively correlated consistently or with significant mutual information only with Homo Sapiens.

https://twitter.com/daoyu15/status/1719537055611724259

In addition to the heavy censorship of case ascertainment effectively mean you have to either live near the market or have a direct or indirect link to be diagnosed at all, moving all Wuchang case residence dots and sending them to Jianghan archive.md/1x658 archive.md/Ea0Kw also caused the "unlinked" dots to cluster closer the market than the "linked" dots—something that can not happen without data manipulation on a massive scale.

https://archive.md/ET1GAhttps://twitter.com/daoyu15/status/1719536721510244663 Unlinked cases are supposed to be seeded only by the linked cases if they didn't visit Huanan under the market origin assumption. They are supposed to cluster near the linked cases and NOT the market itself. The CCP failed in this elementary logical analysis and resulted in a "dataset" that is too perfect to be possibly real. https://gab.com/Flavinkins/posts/108830214433800007

https://gab.com/Flavinkins/posts/109248812361151175

The central theater command hospital (right next to the WIV) got 600+ fever cases a day the time when the WMHC just sent off a command to look for cases linked to the Huanan market. just before 31/12/2019, their winter infectious disease monitoring program is already detecting an explosive increase in cases, without warning and "suddenly". none of these cases, none of the wuchang cases, ended up being reported.

The above completely destroys the "early cases are linked to the Huanan market" (<a href="https://twitter.com/mbw61567742/status/1762850018661155075">https://twitter.com/mbw61567742/status/1762850018661155075</a> which is known to contain undeniable proximity ascertainment bias solidified in the "data")

Argument, in addition to the fact that

archive.md/zUD1F archive.md/Pc6gp

https://twitter.com/daoyu15/status/1678549054794629120

https://twitter.com/daoyu15/status/1677727068082286592

https://twitter.com/daoyu15/status/1672404501129756673

https://twitter.com/daoyu15/status/1677234083389411328

archive.md/GvRcD archive.md/ZgVzp the Wuhan authorities after that

archive.md/OIGPz 2014 holmes incident now targeted only the Huanan market when looking for EID outbreaks—and nowhere else.

archive.md/1x658

They tampered with the early cases data

archive.md/Ea0Kw

To make it look like it "started at the market" when in reality the first case they ever admitted lived right next to the WIV BSL-4.

archive.md/5sdkR severe discrepancy happening December 2019 and January 2020 indicate tampering with case counts.

archive.md/1pcCU

This is indicative of catastrophic ascertainment bias was going on.

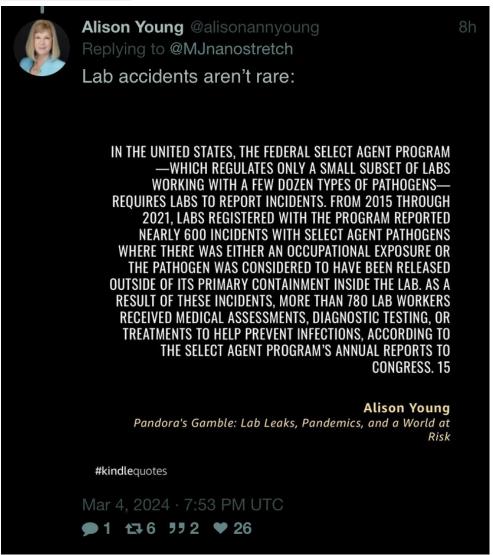
https://archive.md/ET1GA

### https://archive.md/p3K3Z

https://www.researchgate.net/publication/370635299\_Greater\_than\_the\_Sum\_of\_its \_Parts\_-\_Aggregated\_Wuhan\_COVID-19\_case\_data\_points\_to\_the\_wrong\_side\_of \_the\_Yangtze\_River\_-\_Rixey\_-\_20230509

Up to one third of all cases were moved from the lab to the market.

https://www.nytimes.com/2023/05/10/opinion/we-could-easily-make-risky-virological-research-safer.html



Lab accidents aren't rare. The other strawman argument for miller is that somehow it is extremely improbable for lab accidents to happen, but in reality an respiratory virus in a BSL-2 guarantee infection, like the

https://www.theaustralian.com.au/science/beijing-lab-mishap-infected-scientist-with-c ovid19/news-story/9b0cb0ed84df21d25da11b698be3611a IVDC.

Rootclaim have identified three major errors in assignment of probability for miller.

https://blog.rootclaim.com/rootclaims-covid-19-origins-debate-results/

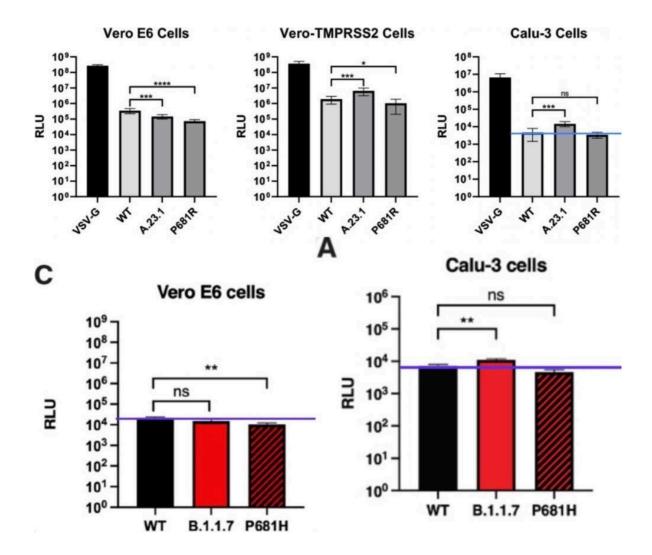
Ans the actual cards on the issue have reflected these errors.

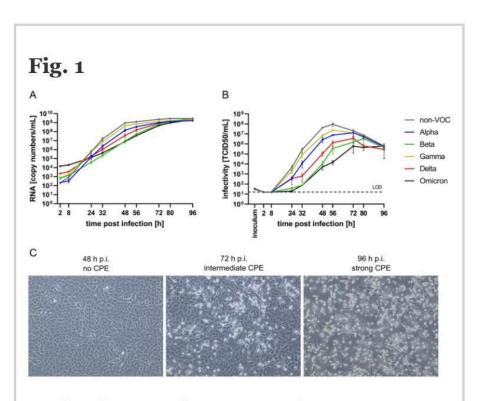
https://cards.rootclaim.com/analysis/65892f07d97bdb00199d4366

We have also completely ruled out all plausible intermediate hosts by their susceptibility.

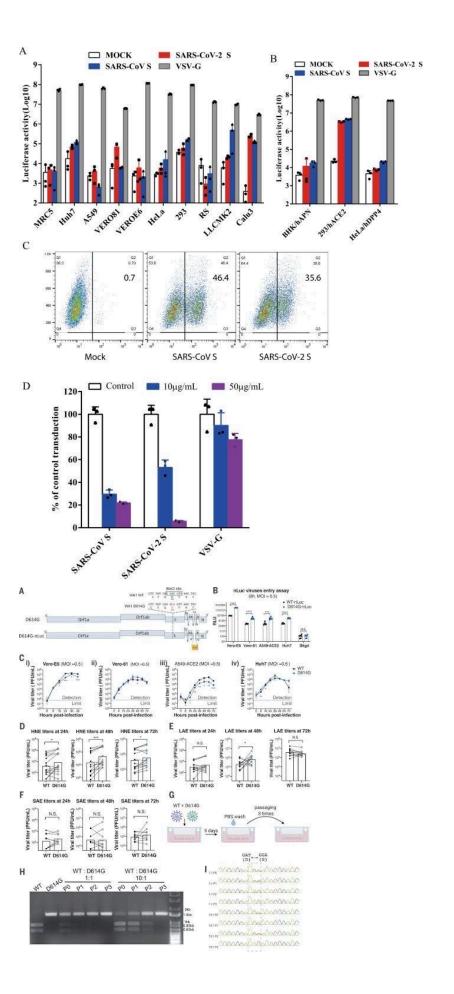
https://docs.google.com/document/d/18d\_IMZU\_DYRX1DIXuSNySC\_4DiTcgabjhxoz 9K4tWrg/edit

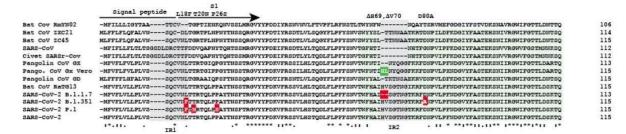
https://docs.google.com/document/d/1HeZdCnDA4WpoO\_kzlSjmoFzlAqgFha3fNEP\_vBpp2z3M/edit





Viral replication of non-VOC and VOCs on Vero E6. Cells were infected at an MOI of 0.0001 for 96 h and culture supernatant was collected at the indicated time points to quantify **a** RNA copy numbers by RT-qPCR and **b** viral titers by TCID50 endpoint assay. **c** Development of CPE is exemplarily shown for Delta at selected time points. LOD: limit of detection; n = 3





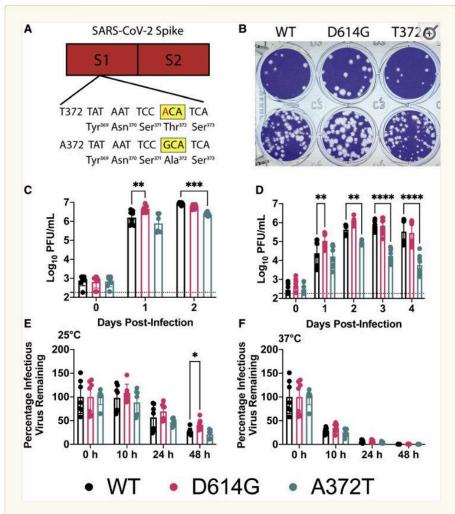
"A highly decorated military scientist, Zhou Yusen...produced a vaccine patent w remarkable speed...The...military vaccine specialist is now understood to hv died, w US investigators having bn told by witnesses he was thrown off the roof of the WI..."

## 翻译推文



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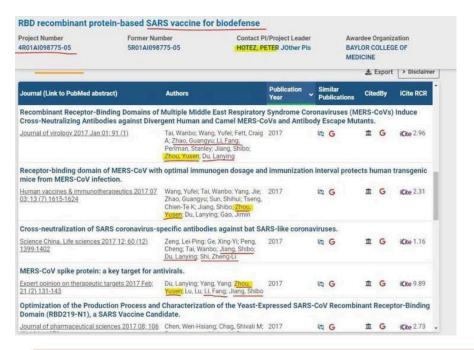


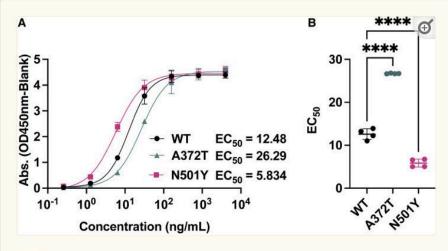


#### Figure 4

A372T substitution decreases SARS-CoV-2 replication on human lung epithelial cells

- (A) The S T372 SARS-CoV-2 mutant was generated by making a single G-to-A substitution. The mutant nucleotide is presented in red, and the altered codon is highlighted in a yellow box.
- (B) Plaque morphology of WT and mutant viruses. Plaques were visualized 2 days post-infection (dpi) on Vero E6 cells.
- (C and D) Viral replication on Vero E6 (C) and Calu-3 (D) cells following infection at an MOI of 0.05. The sample at 0 dpi was collected immediately after infection to ensure cells were exposed to similar levels of virus, and then samples were collected at 24-h intervals.
- (E and F) Kinetics of thermal stability. A solution of  $10^5$  PFU of each virus was incubated at the indicated temperature for different lengths of time. Infectious virus was measured by plaque assay on Vero E6 cells.
- Statistical comparisons were made using two-way ANOVA with Dunnett's multiple comparisons test. p < 0.05, p < 0.01, p < 0.01, p < 0.00, p < 0.00, p < 0.00. Error bars represent standard deviation of the mean.





#### Figure 3

Decreased binding of the A372T mutant to human ACE2

(a) Functional ELISA was used to determine the binding affinity of different S protein receptor-binding domains (RBDs). Plates were coated with recombinant human ACE2 receptor (2  $\mu$ g/mL at 100  $\mu$ L/well) and then probed with varying concentrations (0.256–4000 ng/mL) of purified RBDs from WT SARS-CoV-2 (S A372), A372T, and N501Y (positive control). To determine EC<sub>50</sub> values, the absorbance values (450 nM) were fit to a sigmoidal, 4PL nonlinear model using Prism 9 (GraphPad). The experiment was repeated in two independent replicates with four total technical replicates per sample. Error bars represent standard deviation of the mean.

(B) The  $EC_{50}$  values were compared by one-way ANOVA with Dunnett's multiple comparisons test. \*\*\*\*p < 0.0001 compared with WT SARS-CoV-2 (A372). Error bars represent standard deviation of the mean.



There are about 200 reads of canine Kobuvirus in Q61, 20 in Q64, 2 in Q68, 30 in Q69 and 2 in Q70.

Raccoon dog reads are 14338, 150, 29, 77, 21. There are 204, 70, 80, 55, 60 reads of Embecoviruses in Q61, Q64, Q68, Q69, Q70. Bamboo rat and rabbit reads are 746, 294, 505, 36, 85 (the RdRp/ORF1b fragments of Embecoviruses are heavily confusing with each other and are frequently recombinant, meaning that the alignment algorithm does not reliably distinguish between them within this region) There are 12, 21, 3, 1100, 3 reads of Canine Coronavirus in Q61, Q64, Q68, Q69, Q70. Domestic dogs are 1000, 106, 331, 3008. 103. There are 80, 7, 0, 0, 600 reads of Murine Orthopneumovirus in Q61, Q64, Q68, Q69, Q70. The number of Malayan porcupines are 61, 30, 13, 0, 5018.

The number of Civet Kobuvirus is 90, 0, 0, 0, 0 for Q61, Q64, Q68, Q69, Q70.

masked palm civets are 424, 0, 0, 0, 0.

Finally, the number of SARS-CoV-2 is 1, 5, 7, 2 close to each other, 2 dar apart from each other for Q61, Q64, Q68, Q69, Q70.

The number of Homo Sapiens are 21, 47, 164, 38, 12.

Q64, Q68, Q69 are PCR+, Q61 and Q70 are PCR-.

The animals correlate with animal viruses. The

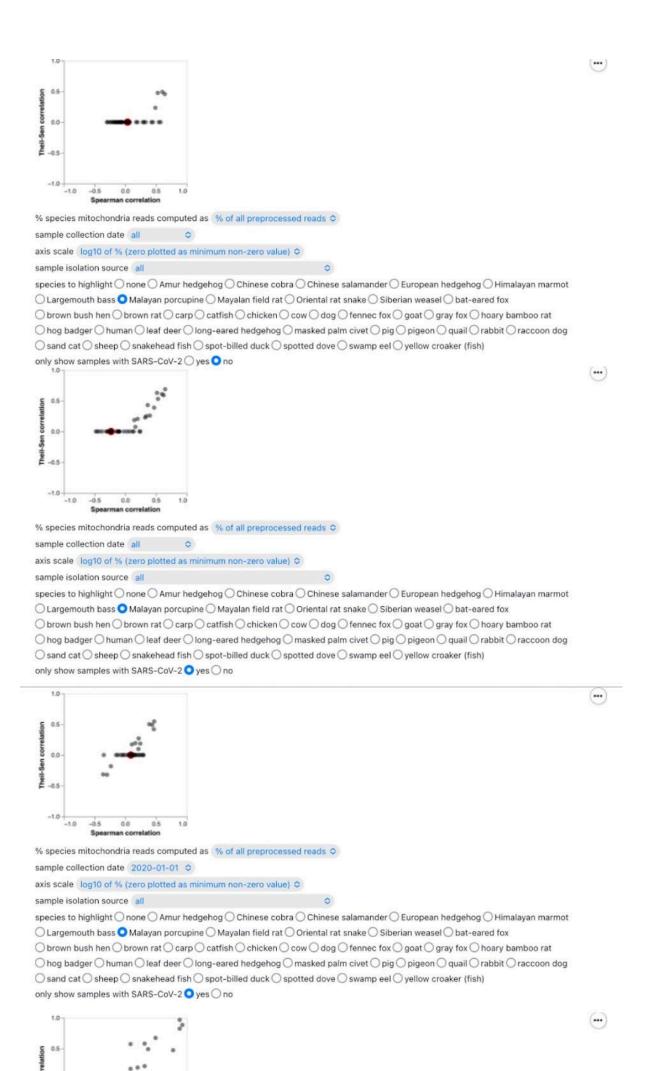
Table 1. Summary of mink farm SARS-CoV-2 monitoring data amassed during a period of 14 months

Voivodeshin		(21 December)		)22 /-March)	Tota	Number of	
Vorvodeship	No. of farms	No. of swabs	No. of farms	No. of swabs	No. of farms	No. of swabs	positive farm
Mazowieckie	58	1,160	28	420	86	1,580	0
Podkarpackie	8	160	5	75	13	235	1
Lubuskie	35	700	19	295	54	995	0
Wielkopolskie	117	2,340	87	1,472	204	3,812	I
Zachodniopomorskie	54	1,080	8	420	62	1,500	3
Pomorskie	19	380	1	20	20	400	1
Dolnośląskie	14	280	0	0	314	280	0
Kujawsko-Pomorskie	24	480	0	0	24	480	1
Lubelskie	36	1,120	22	356	58	1,476	2
Lódzkie	6	120	1	15	7	135	1
Małopolskie	7	140	1	15	8	155	0
Opolskie	6	120	0	0	6	120	0
Podlaskie	10	200	0	0	10	200	1
Świętokrzyskie	6	120	13	185	19	305	0
Warmińsko-Mazurskie	1	20	0	0	- 1	20	0
Śląskie	8	160	0	0	8	160	0
Total	409	8,580	185	3,273	594	11,853	11



453





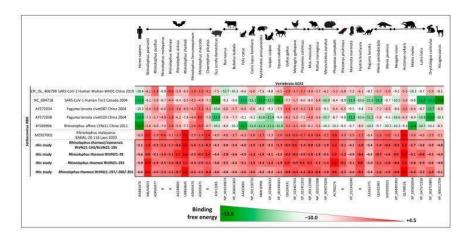
Search "Regional Animal Health Office No. 6 (RAHO6), Viet Nam Department of Animal Health; Viet Nam National Institute of Hygiene & Epidemiology; Wildlife Conservation Society" on GenBank for vietnamese porcupines. Only murine coronavirus, IBV and Alphacoronaviruses were found.

journals.plos.org/plosone/articl...

No Coronaviruses were found in porcupines in China,

## core.ac.uk/download/pdf/1...

And no Sarbecovirus genomes from genus Hystrix or a SC2r-CoV genome from the genus Nyctereutes (or any Sarbecovirus genomes at all after the SARS-CoV-1 epidemic) have ever been deposited on GanBank anywhere in the world.



#### c. Animal Sampling at the Huanan Seafood Market

In addition to taking environmental samples, 457 animal-related samples from "188 individuals of 18 species" were collected between January 1 and March 30, 2020.660 According to presentations by PRC public health officials to the WHO, none of the samples tested positive for SARS-CoV-2.661 PRC officials informed that none of the "animal-related" samples were taken from live animals present at the market:

The sources of the samples include unsold goods kept in refrigerators and freezers in the stalls of [Huanan Market], and goods kept in warehouses and refrigerators related to the [Huanan Market]. Samples from stray animals in the market were also collected, i.e., swab samples from 10 stray cats, 27 cat feces, one dog, one weasel, and 10 rats... All the 457 animal samples tested negative for SARS-CoV-2 nucleic acid, suggesting that the animal infections with SARS-CoV-2 might be rare in the market.<sup>662</sup>

Nucleic Acid Testing (NAT)							
	Hubei						
Number of species	10						
Specific types of animals	Bamboo Rat, Porcupine, Duck, Snake, Rabbit/Hare, Chicken, Ostrich/Turkey, Wild Boar						
Total sample size	616						
Test results	Negative						

PRC officials denied any illegal live animal sales occurred at the Huanan Market. As Presentations to the WHO, PRC officials identified "10 animal selling stalls in the Huanan Market, accounting for 1.5% of the total" stalls. \*\*Get Reviewing sales records provided by PRC officials, the WHO-China Report concluded that those 10 stalls sold "animals or products", but that the only live animals sold were snakes, salamanders, and crocodiles. \*\*Get None of which are susceptible to SARS-CoV-2, and thus are unlikely to be intermediate hosts. \*\*Get All other animals were reportedly sold as frozen goods, including bamboo rats, badgers, hedgehogs, sika deer, and porcupines. \*\*Get All other animals were reportedly sold as frozen goods, including bamboo rats, badgers, hedgehogs, sika deer, and porcupines. \*\*Get All other animals were reportedly sold as frozen goods, including bamboo rats, badgers, hedgehogs, sika deer, and porcupines. \*\*Get All other animals were reportedly sold as frozen goods, including bamboo rats, badgers, hedgehogs, sika deer, and porcupines. \*\*Get All other animals were reportedly sold as frozen goods, including bamboo rats, badgers, hedgehogs, sika deer, and porcupines. \*\*Get All other animals were reportedly sold as frozen goods, including bamboo rats, badgers, hedgehogs. \*\*Get All other animals were reportedly sold as frozen goods. \*\*Get All other animals were reportedly sold as frozen goods. \*\*Get All other animals were reportedly sold as frozen goods. \*\*Get All other animals were reportedly sold as frozen goods. \*\*Get All other animals were reportedly sold as frozen goods. \*\*Get All other animals were reportedly sold as frozen goods. \*\*Get All other animals were reportedly sold as frozen goods. \*\*Get All other animals were reportedly sold as frozen goods. \*\*Get All other animals were reportedly sold as frozen goods. \*\*Get All other animals were reportedly sold as frozen goods. \*\*Get All other animals were reportedly sold as frozen goods. \*\*Get All other animals were reportedly sold as frozen good

Table 6. Family, genus, and species for 559 rodents sampled.

Cricetidae	
Eothenomys cachinus	92
Eothenomys proditor	26
Hystricidae	
Hystrix brochyura	35
Muridae	
Apademus chevrieri	123
Apodemus draca	1
Apademus latronum	1
Apademus peninsulae	28
Niviventer confucianus	1
Niviventer coxingi	1
Niviventer eha	27
Niviventer fulvescens	2
Rattus tanezumi	2
Vernaya fulva	1
Spalacidae	
Rhizomys pruinosus	20
Rhizomys sinensis	188

No rodent samples collected in this study were positive for Coronaviruses or Paramyxoviruses. Field identification of 89% (136/153) of host species (bats) with samples that tested positive for Coronaviruses or Paramyxoviruses was independently confirmed in the laboratory by commercial barcoding using the cytochrome b gene of bat mitochondrial DNA as a marker. Barcoding to identify species of 17 (11%) specimens was not possible due to insufficient sample quantity remaining after RT-PCR assays. Of the 89% tested and confirmed, the field identification was 100% accurate providing assurance that the unconfirmed species (by barcoding) had also have been accurately identified.

All Coronavirus positive samples were collected in four south China provinces (Hainan, Guangdong, Guangxi, and Yunnan), therefore no north-south gradient was discernible. Paramyxovirus positive samples were collected across a greater geographic range in China. Along a north-south gradient, the detection rate was significantly highest ( $X^2 = 7.8372$ , p = 0.005118) in the southern provinces of Fujian, Guangdong, Guangxi, Guizhou, and Yunnan. No correlation was evident between bat gender and detection of either virus ( $X^2 = 0.2638$ , p = 0.607534).

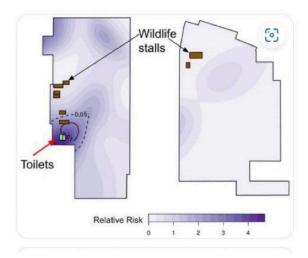


Table 2. A summary of the analysis of positive mink farms

No.	Date of sample	nple Voivodeship	Location	rRT	-PCR
NO.	collection	voivodesnip	Location	Positive/Tested	Ct value range
AL.	16/06/2021	Lubelskie	Wisznice (house 1)	2/20	21.8-25.5
1	10/00/2021	Lubeiskie	Wisznice (house 2)	1/20	28.9
2	22/11/2021	Kujawsko-Pomorskie	Kraczki	1/20	28.9
3			Zieleniewo1	1/20	30.5
4	30/11/2021	Zachodniopomorskie	Zieleniewo2	13/20	24.7-36.8
5			Ołużna	19/20	18.9-37.3
6	01/12/2021	Wielkopolskie	Biadki	18/20	17.6-36.4
7	14/12/2021	Podkarpackie	Janowiec	20/20	28.1-30.4
8	15/12/2021	Podlaskie	Kościuki	2/20	32.1-35.3
9	20/12/2021	Pomorskie	Leźno	10/20	19.1-26.3
10	20/12/2021	Lubelskie	Kłoczew	5/20	28.9-30.2
11	20/01/2022	Lódzkie	Stefanów	2/20	20.5-21.8

Ct - threshold cycle; \* - results for E gene rRT-PCR

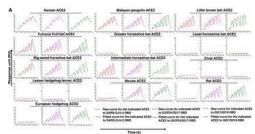
Table 3. Results of oral swab and serum sample analysis collected in two houses in Wisznice in the Lubelskie voivodeship

www.common	Date of sample	Sample	Num	Results*	Prevalence	
House 1	collection	Sample	Collected	Positive	Results	(%)
	16/06/2021	Approximate the second	20	2	21.8-25.5	10
	19/07/2021	Oral swab	90	1	28.8	1.1
1	02/00/2021	Serum of kitten	15	15	1.25	100
	02/08/2021	Serum of adult	15	14	1.64	93.3
	16/06/2021	0.11	20	2	28.5-30.7	10
2	19/07/2021	Oral swab	60	0		0
2	02/08/2021	Serum of kitten	15	15	1.04	100
	02/08/2021	Serum of adult	15	14	1.25	93.3

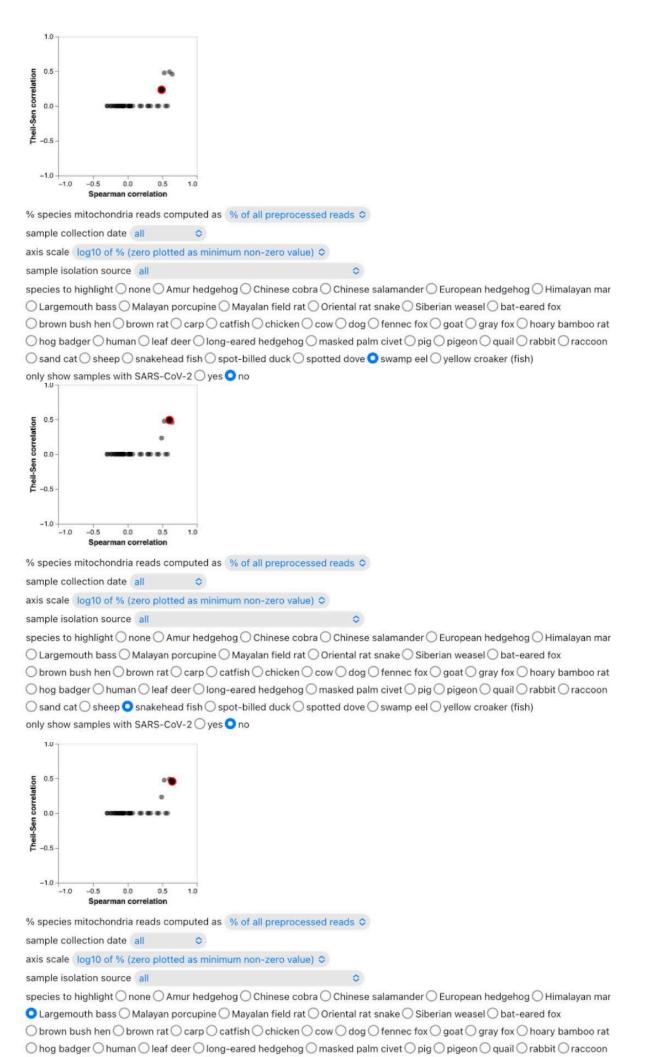
<sup>\* -</sup> results for E gene rRT-PCR/mean OD values obtained using Ingezim ELISA test

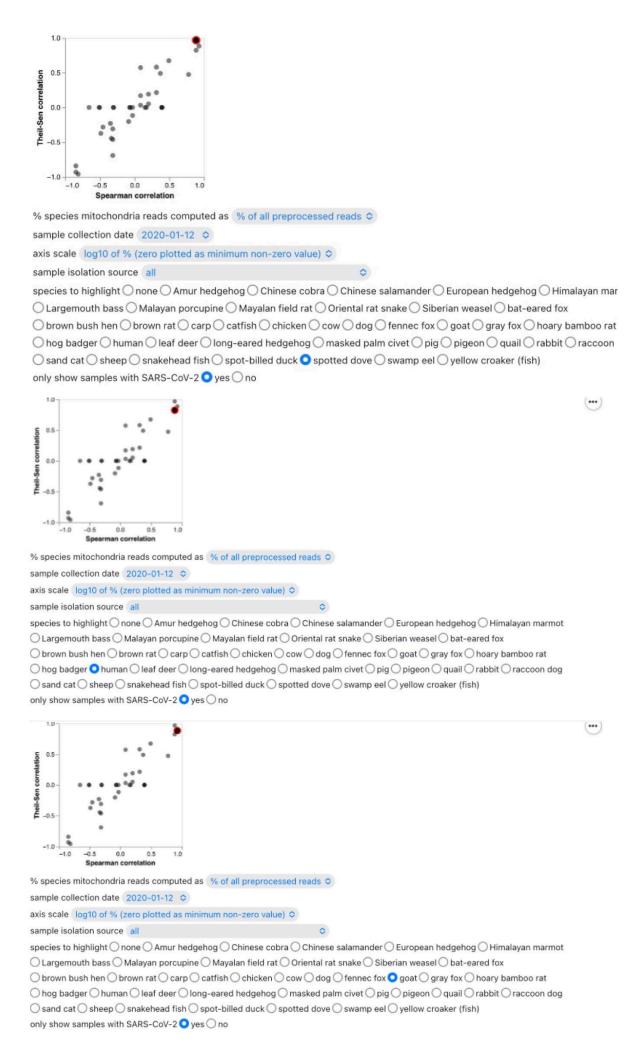
Table 4. Molecular characteristics of SARS-CoV-2 detected in farmed mink in Poland in the studied period

No.	Mink farm	Gisaid_ID	Clade	Pango lineage	Nucleotide		r	Amino acid	
					substit.	delet.	Frame shifts	substit.	delet.
1	Wisznice, house 2, Lubelskie	EPI_ISL_3218555	GR/20B	B.1.1	31	0	0	18	0
		EPI_ISL_3218557			31	0	0	18	0
2	Kraczki, Kujawsko- Pomorskie	EPI_ISL_7721854	GK/21J (Delta)	AY.43	44	13	0	34	4
3	Ołużna, Zachodniopomorskie	EPI_ISL_8693906	GK/21J (Delta)	AY.43	38	13	0	33	4
		EPI_ISL_8693911			40	14	1	34	4
		EPI_ISL_8693912			38	13	0	33	4
4	Zieleniewo1, Zachodniopomorskie	EPI_ISL_8693816	GK/21J (Delta)	AY.43	38	13	0	33	4
5	Biadki, Wielkopolskie	EPI_ISL_8693913	GK/21J (Delta)	AY.43	41	13	0	34	4
		EPI_ISL_8693914			41	13	0	34	4
		EPI_ISL_8693915			41	13	0	34	4
6	Janowiec, Podkarpackie	EPI_ISL_9640028			51	104	1	37	34
		EPI_ISL_9640033	GK/21J (Delta)	AY.126	50	107	1	37	34
		EPI_ISL_9640052			50	107	1	37	34
7	Kościuki, Podlaskie	EPI_ISL_9640055	GRY/20I (Alpha, V1)	B.1.1.7	52	37	0	30	11
8	Leźno, Pomorskie	EPI_ISL_9640059	GK/21J (Delta)	B.1.617.2	47	16	0	37	5
		EPI_ISL_9640062			45	47	1	36	12
9	Kłoczew, Lubelskie	EPI_ISL_9640065	GK/21J (Delta)	AY.122	41	16	0	32	4
10	Stefanów, Łódzkie	EPI_ISL_10337406	GRA/21L (Omicron)	BA.2	74	53	0	51	12
		EPI ISL 10337127			72	53	0	51	12



	SARS-CoV-2RBD(nM)	GX/P2V/2017 RBD (nM)	GD/1/2019 RBD (nM)
Human	11.2 ± 0.5	11.9 ± 0.1	13.6 ± 0.7
Pangolin	34.1 ± 0.5	58.8 ± 1.2	68.7 ± 6.2
Little brown bat	397.4 ± 35.4	200.3 x 19.5	155.2 a 63.9
Fulvous fruit bat	2349.33 ± 179.1	938.4 ± 471.1	1020.7 ± 342.1
Greater horseshoe	-		-
Least horseshoe bat	-	-	_
Big-eared horseshoe bat	179.8 ± 4.8	267.0 ± 24.3	311.9 ± 30.3
intermediate horseshoe bat	483.8 ± 45.8	492.0 ± 121.5	927.7 ± 580.2
Mouse		291.3 ± 73.0	120.0 ± 27.1
Rat		466.1 ± 124.4	265.3 ± 132.0
European hedgehog		2115.3±978.5	710.8±266.4
Civet	2.550		-
Torono barbarbar tarana	2000	1920	5.0







Run same more selection stuff - here are the numbers. Only thing one can really say is that it looks like the SARS spike protein was possibly under positive selection early in the epidemic and that's not semething we see with SARS CoV 2.1 had expected dividS to be lower for ORF1, but here SARS CoV 2 is sexually higher.

Not really sure we can conclude anything from these... It's somewhat intriguing that the spike from SARS-CoV-2 doesn't appear to be under selection at all though - does suggest some sort of pre-

Selection.png \*

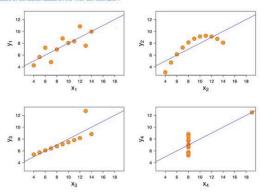
OF	RF1 Spi	ke
SARS-CoV-2	0.91	0.29
SARS, early	0.81	1.82
SARS, middle	0.68	0.44
SARS, late	0.32	0.51



graight — Tromet United registrating — United cotted — Charles assemblation — cutophean inaugering — that has of Malayan proctapine (Malayania felial ford Collegiania et anales). Selection resealed Data-team week) of the team of the hand of the control of the c

#### Overall correlation of mitochondrial DNA and SARS-CoV-2 across all samples using Theil-Sen estimator

Each point shows the correlation between the percent of all high-quality reads that align to SARS-CoV-2 and the pe aligned mitochondrial reads for a specific species taken across all samples. The axes show the Spearman correlation measure of correlation based on the Thail-San externator.



Source: Wikipedia

alternative to least squares for simple linear regression is Theil-Sen estimation. This more robust method determines the slope of the regression line via the median of the slopes of all lines that can be drawn through the data points:

$$m_{\text{TS}}(x, y) = \underset{\substack{k,l \in \{1, \dots, n\}\\ x_k \neq x_l}}{\text{median}} \left(\frac{y_l - y_k}{x_l - x_k}\right)$$



ighighd none | Amu hedgehog | Chinese cotra | Chinese salamander | European hedgehog | Himalays utb bass | Malayan peccipine | Mayahan feldrar (O lientand at stanke) Selarian wease() Date-seared for sish hen | brown rat | carp | catfish | chicken | cow | dog | fennec fox | goat | gray fox | heary bamb per | numan | leaf deer | long-eaved hedgehog | masked palm chief | pig | pigeon | quali | rabbb | rac | date | pig | pigeon | quali | rabbb | rac | date | pig | pigeon | quali | rabbb | rac | date | pig | pigeon | quali | rabbb | rac | date | pig | pigeon | quali | rabbb | rac | date | pig | pig



axis scale (legit of % (zero plotted as minimum non-zero value) o

sample isolation source (at

species to highlight | none | Amur hedgehog | Chinese cobra | Chinese salamander | European hedgehog | Himalayan marmot
| Largemouth bass | Malayan porcupine | Mayalan field rat | Oriental rat snake | Sterian wessel | Data-ared fox
| brown bush hen | brown rat | carp | catfish | chicken | cow | dog | fenner fox | goat | gray fox | hoary bambor rat
| hog badger | human | leaf deer | fong-ared hedgehog | masked palm civet | pig | pigeon | quali | rabbit | raccoon dog
| sand cat | sheep | snakehead fish | spot-field duck | spotted dove | swamp eet | yellow creaker (fish) nples with SARS-CoV-2 ves no



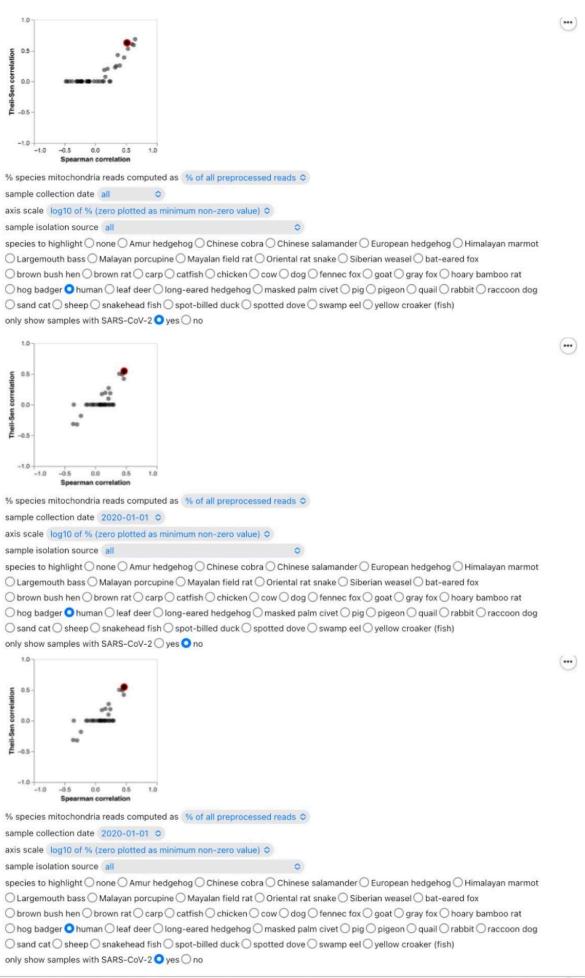
% species mitochondria reads computed as % of all preprocessed reads ©

ies to highlight C none () Amur hadgehog () Chinese cobra () Chinese salamander () European hedgehog () Hinaba grapemouth bass () Makhaya norcopian () Angalan field rat () chicken () Ceriotarl at stake () Sebirain wessel () bet-event for rown bush hen () brown rat () carp () catfish () chicken () cow () dog () fennec for () goat () gray for () hoary ban op badger () human () leaf deer () forgi-sered hedgehog () masked palm civet () go() pigeon () quali () rabbit () rad cat () sheep () suskheadra (file) so-billed duck () spotted dove () swamp eel () yellow croaker (fital) show samples with SARS-CoV-2 () yes () no



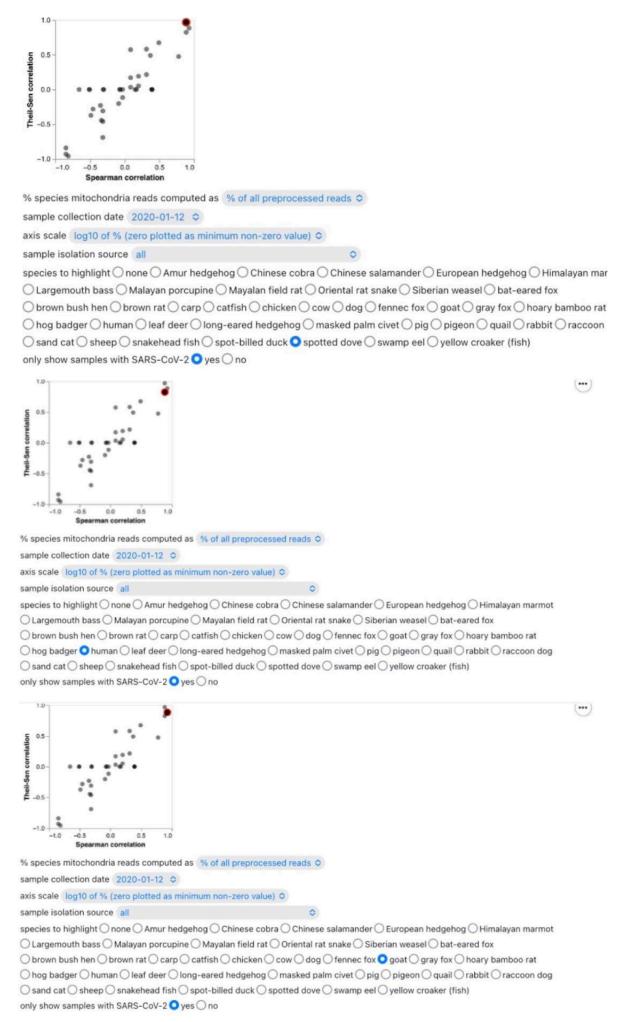
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axis scale (sight of this (zero plotted as minimum non-zero value) of sample isolation source all scale isolation source all species to highlight of none of Amur hedgehog O Chinese colar of Chinese salamander (European hedgehog O Himalayan marmot O Largemouth basis O Malayan porcupine (Mayalan field rat O reinstal rat snake of Siberian wease) Dat-earred fox O brown bush here O brown rat (o arp O cattlain O chicken C cow O dog O fenner fox O goat O gray fox O heary bamboo rat O hop badger O human O leaf deer O long-eared hedgehog O masked palm civet () pig O piseon () qual () rabbit () raccoon dog O sand cat 0 the Open O snakehed finh Spot-billed duck () spotted dove O swamp eel () yellow croaker (fish) only show samples with SARS-CoV-2 () yes O no

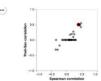


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% species mitochondria reads computed as % of all preprocessed reads  $\diamondsuit$ 

sample collection date 2020-01-01  $\Diamond$  axis scale log10 of % (zero plotted as minimum non-zero value)  $\Diamond$ 

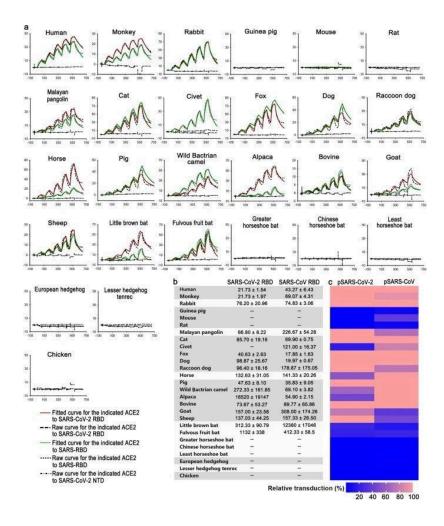
axes scale "logf0 of %" (zero pioted as minimum non-zero value) © sample isolation source all © sample isolation source all © species to highlight() none © Amur hedgehog © chinese cobra © chinese salamander © European hedgehog © Himalayan marmot © Largemouth bass © Malayan porcupine © Mayalan field rat © oriental rat snake © Siberian weasel © bat-eared fox © brown bush hen © brown rat © carp © catfish © chicken © cow Gog © rennec fox © past © gray fox © hoary bamboo rat % hop badger % Juman © leaf dev © (logo-eared hedgedo) canasked path vicet © pio plopion Quali © rabbit ( raccoon dog © sand cat © sheep ) snakehead fish © spot-billed duck © spotted dove © swamp eel © yellow croaker (fish) only show samples with SARS-CoV-2 © yes © no



% species microhondria reads computed as % of all preprocessed reads  $\circ$  sample collection date [2020-01-01]  $\circ$  axis scale [log10 of % (zero plotted as minimum non-zero value)  $\circ$ 

axis scale [sgl0 of 1% (zero plotted as minimum non-zero valuel) of sample isolation source all source all source all source all source all source all source and source all source and source all source and source all source and sou





Hedgehogs does not have an ACE2 that is permissive to infection at all and all porcupine suppliers in the HSM can be traced back to supply farms in Hubel that tested negative (the S.D. Of malayan porcupine is 0 in Xiao Xiao et al sales. Indicating stable supply from a registrate.

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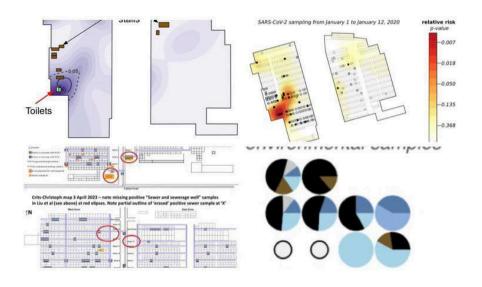
Pallas's squirrel (Callosciurus erythraeus)<sup>R,P,\*</sup> 16.52±4.87 (n 25.74± =23) 25.74± 7.59 (n= 5) Masked palm civet (Paguma larvata)<sup>F,+</sup> 10.69 ± 8.42 (n = 29) 42.76 ± 20.68 (n = 29) 10.00±0.00 (n 68.06± 14.23 (n= 5) Malayan porcupine (Hystrix brachyura)<sup>F,†</sup> 142.62± 49.67 (n= 5) Chinese muntjac (Muntiacus reevesi)<sup>F,†</sup> 10.00 ± 0.00 (n = 29) Coypu (Myocastor coypus)<sup>F</sup> 5.00±0.00 (n= 29) 15.00 ± 4.29 (n = 20) Marmot (Marmota himalayana)<sup>F</sup> 30.00±0.00 (n = 25) 60.96± 21.68 (n= 5) Red fox (Vulpes vulpes)<sup>F,\*</sup> 10.37±1.92 (n= 34.62± 14.78 (n= 5) Mink (Neovison vison)<sup>F</sup> 16.43±9.51 (n= 26.04± 28) 26.04± 8.14 (n= 5) Red squirrel (Sciurus vulgaris)<sup>R,P,\*</sup> (4.17±5.77, n= 319.57± 55.95 (n= 5) Wild boar (Sus scrofa) W.R.F.\*.7 Complex-toothed Flying Squirrel (Trogopterus xanthioes)<sup>F,P,†</sup>

在武汉周边的震费、提州、成今、江夏地区的华岛海鲜市场 上海实贸用所推场用集的包括、豪加、大岛、克于等沿坡和车部 环境标本具 139 台,经周北省疾控中心 pXT PXX 极级处园均为园 依。

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Which is also why in both Jan 01 and in Jan12, the stall with the most positive samples out of all samples is the stall closest to the toilets— W4-26(2/2) and outside of W4-26-28(5/6 or 5/9 for all samples W4-26-28) for Jan01, W6-29-33(5/10) in Jan 12 is closest to the toilets.



## Daoyu **a** @Daoyu15 ⋅ 2023/5/13

This is again wrong. The highest positive rate of any stall that tested from 01-12/Jan 2020 was actually W4-28. 2/2 samples were positive. In fact the samples from the outside surfaces of W4-26-28 was the highest positivity rate of any sites for Jan0...

14:03 · 2023/5/29 位于 Earth · 2933 次查看

现呼吸困难。徐冰和同事对他们的病史、接触史进行了调查,发现他们或是在华南海鲜市场工作,或是住在市场附近,"很多病人是相互认识的,有人会告诉我们,亲戚住在哪个医院,状况非常不好"。徐冰发现,这些人有的来自一个家族,有的则是长久的麻将搭子——这些基本上能够判断这是一次聚集性发病事件。



### Daoyu **a** @Daoyu15 ⋅ May 13

This is again wrong. The highest positive rate of any stall that tested from 01-12/Jan 2020 was actually W4-28. 2/2 samples were positive. In fact the samples from the outside surfaces of W4-26-28 was the highest positivity rate of any sites for Jan01-Jan12.

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#### Daoyu 6 @Daoyu15 · May 13

There are 2 samples taken from W4-28 and both were positive by PCR. There are 3 samples from inside of W4-26 and 4 samples from the outside of W4-26. All 3 samples from W4-26 that is positive came from the outside of W4-26. This makes it 5/6 PCR+ samples. On the other hand.

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#### Daoyu 6 @Daoyu15 · May 13

W6-29-33 itself have only 3 PCR positive samples and the 1 read or 2 reads close to each other make it impossible to rule out that the samples suffered significant cross-contamination (all that is needed is 1 fragment of ssRNA less than 100nt in length amd 1 fragment of

0

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ıl.ı 160

1



#### Daoyu a @Daoyu15 ⋅ May 13

dsDNA or hairpin RNA less than 100bp in length for Q61 and Q70–falling directly from the neighboring samples After the PCR reaction and during NGS library preparation.)

Q 1

17 1

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1



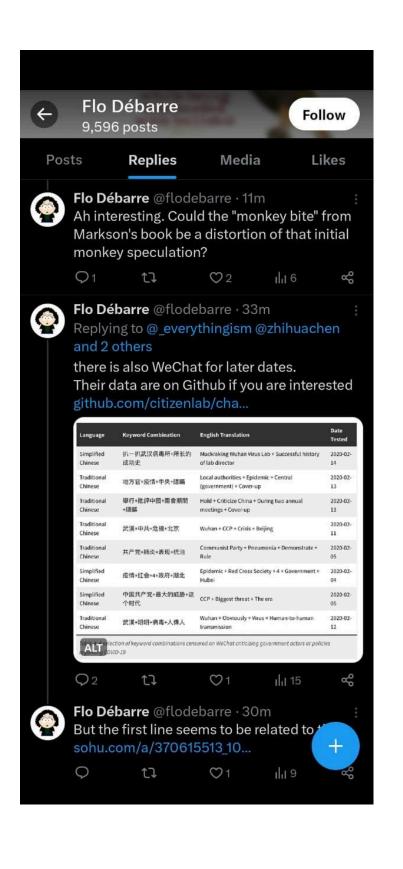












12月31日一早,多名身着防护服、背着喷雾器的防疫人员出现在华南海鲜市场里消毒,让人们回想起2003年 SARS来袭时的场面。SARS全称为"严重急性呼吸系统综合征",于2002年在中国广东出现,此后迅速扩散至全国乃 至全球,最终造成超过8000人感染,774人死亡。

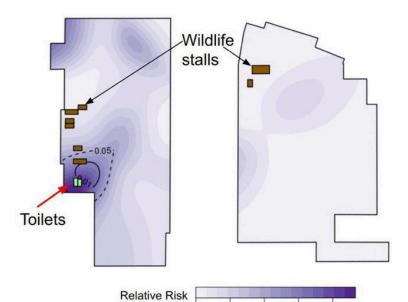
事实上,这天上午,国家卫健委一个专家组即抵达武汉。当天中午1点左右,武汉市卫健委首次公开发布通报称,近期部分医疗机构发现接诊的多例肺炎病例与华南海鲜市场有关联,目前已经发现27例,其中7例病情严重,其余病例病情稳定可控,有2例病情好转拟于近期出院。

2020年1月1日上午8时,华南海鲜市场出现落款为"武汉市江汉区市场监督管理局"和"卫生健康局"的休市整顿公告。该公告称:根据国务院《突发公共卫生事件应急条例》等法规条例的规定及武汉市卫生健康委关于肺炎疫情的情况通报,经研究决定对华南海鲜批发市场实行休市,进行环境卫生整治,请广大商户积极配合。

当天休市前,华南海鲜市场大部分商户还在营业。财新记者在现场看到,身着白色防化服的工作人员出现,准备进一步消毒。大部分商户只好收拾店面陆续离开,时有工作人员在市场里催促收摊。休市后,商户们聚集在市场外的路上,对突然休市和肺炎传闻议论纷纷。

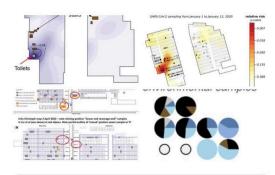
1月2日,大量环卫工人在华南海鲜市场进行清洁作业,市场门口沿街排水沟渠的污泥也被挖出。财新记者在现场看到,身着防化服的人员在市场各处采样。其中,西区七街附近作为消毒重点区域,检疫人员对每个门面逐一搜集、提取检测物质。





0

Which is also why in both Jan 01 and in Jan12, the stall with the most positive samples out of all samples is the stall closest to the toilets—W4-26(2/2)and outside of W4-26-28(5/6 or 5/9 for all samples W4-26-28) for Jan01, W6-29-33(5/10) in Jan 12 is closest to the toilets.



#### ■ Daoyu 6 @Daoyu15 · 2023/5/13

This is again wrong. The highest positive rate of any stall that tested from 01-12/Jan 2020 was actually W4-28. 2/2 samples were positive. In fact the samples from the outside surfaces of W4-26-28 was the highest positivity rate of any sites for JanO...































36-原图片

36 @Daoyu15







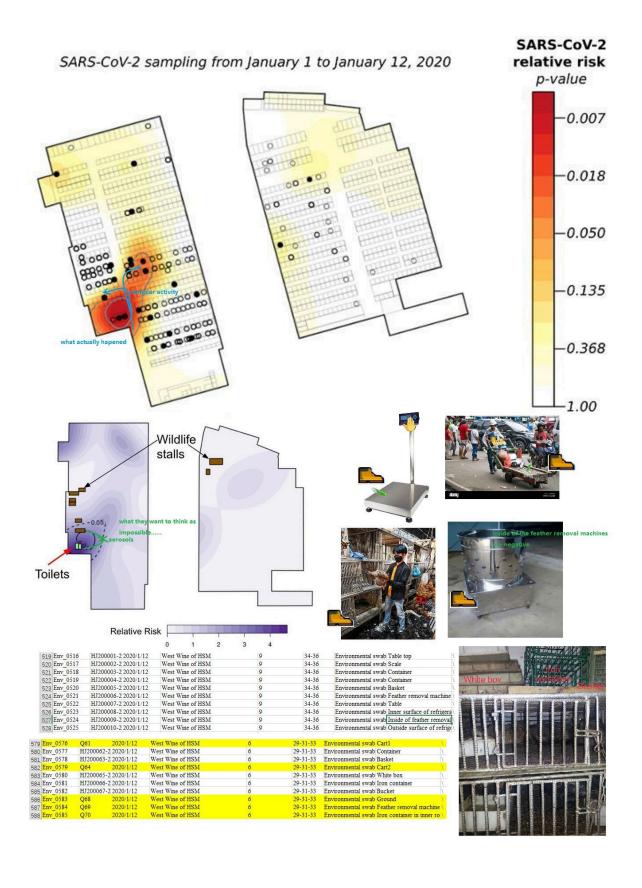
麻雀虽小"五脏俱全"

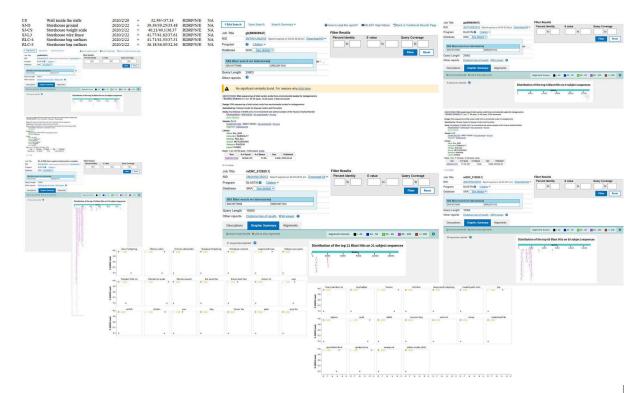














No rodent samples collected in this study were positive for Coronaviruses or Paramyxoviruses. Field identification of 89% (136/153) of host species (bats) with samples that tested positive for Coronaviruses or Paramyxoviruses was independently confirmed in the laboratory by commercial barcoding using the cytochrome b gene of bat mitochondrial DNA as a marker. Barcoding to identify species of 17 (11%) specimens was not possible due to insufficient sample quantity remaining after RT-PCR assays. Of the 89% tested and confirmed, the field identification was 100% accurate providing assurance that the unconfirmed species (by barcoding) had also have been accurately

All Coronavirus positive samples were collected in four south China provinces (Hainan, Guangdong, Guangxi, and Yunnan), therefore no north-south gradient was discernible. Paramyxovirus positive samples were collected across a greater geographic range in China. Along a north-south gradient, the detection rate was significantly highest ( $X^2 = 7.8372$ ,  $\rho = 0.005118$ ) in the southern provinces of Fujian, Guangdong, Guangxi, Guishou, and Yunnan. No correlation was evident between bat gender and detection of either virus ( $X^2 = 0.2638$ ,  $\rho = 0.607534$ ).

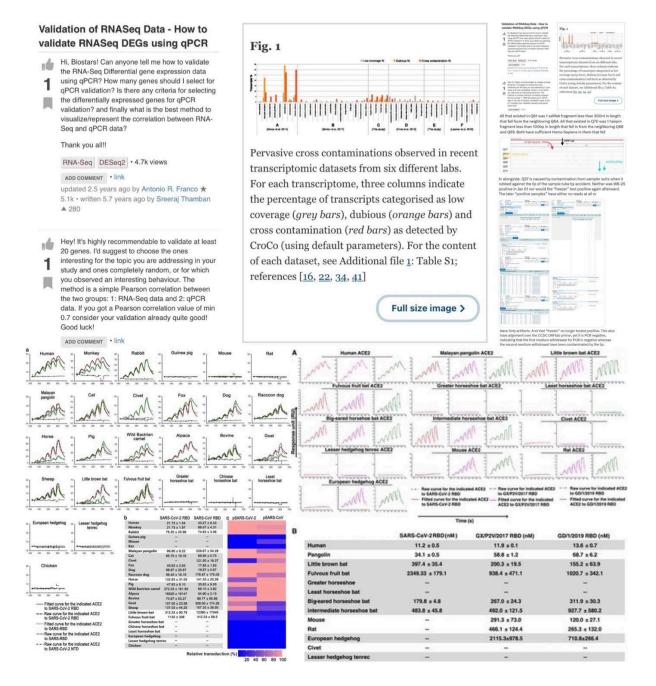
Search "Regional Animal Health Office No. 6 (RAHO6), Viet Nam Department of Animal Health; Viet Nam National Institute of Hygiene & Epidemiology; Wildlife Conservation Society" on GenBank for vietnamese porcupines. Only murine coronavirus, IBV and Alphacoronaviruses were found.

journals.plos.org/plosone/articl...

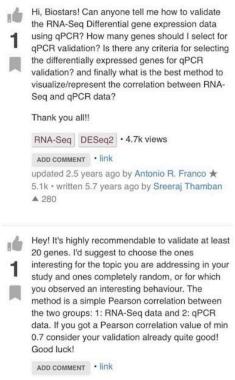
No Coronaviruses were found in porcupines in China,

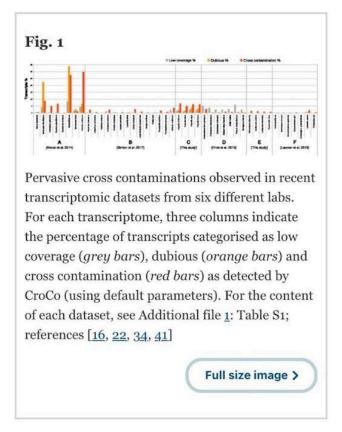
core.ac.uk/download/pdf/1...

And no Sarbecovirus genomes from genus Hystrix or a SC2r-CoV genome from the genus Nyctereutes (or any Sarbecovirus genomes at all after the SARS-CoV-1 epidemic) have ever been deposited on GanBank anywhere in the world.

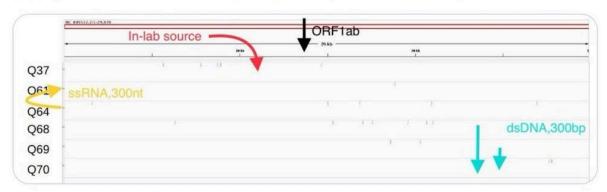


# Validation of RNASeq Data - How to validate RNASeq DEGs using qPCR

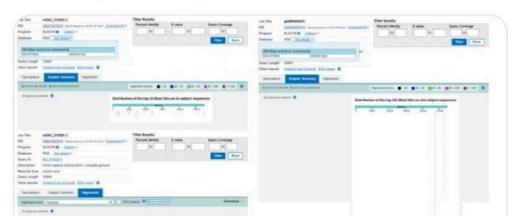


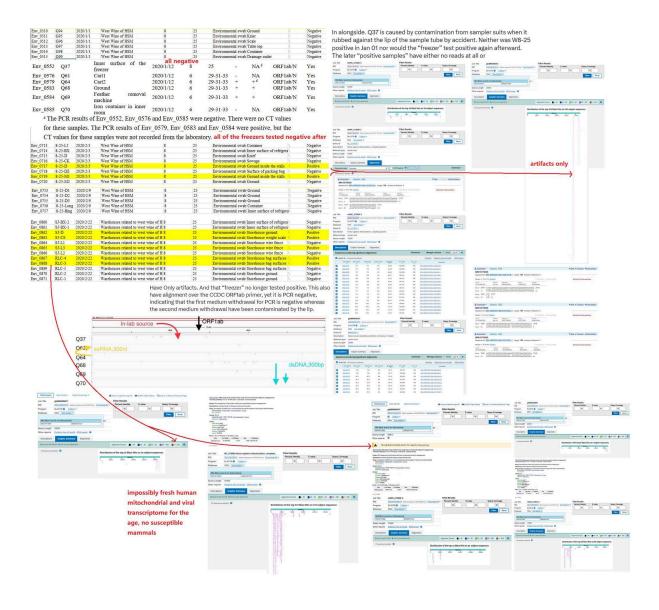


All that existed in Q61 was 1 ssRNA fragment less than 300nt in length that fell from the neighboring Q64. All that existed in Q70 was 1 hairpin fragment less than 100bp in length that fell in from the neighboring Q68 and Q69. Both have sufficient Homo Sapiens in them that fell



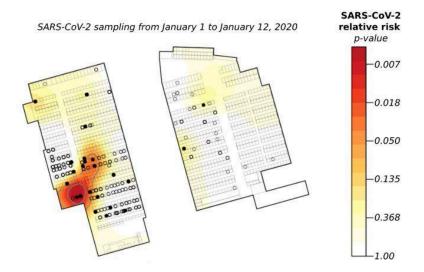
In alongside. Q37 is caused by contamination from sampler suits when it rubbed against the lip of the sample tube by accident. Neither was W8-25 positive in Jan O1 nor would the "freezer" test positive again afterward. The later "positive samples" have either no reads at all or







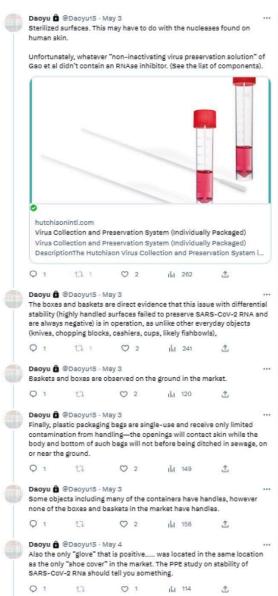




- (C) researchers at the Wuhan Institute of Virology who fell ill in autumn 2019, including for any such researcher--
  - (i) the researcher's name;
  - (ii) the researcher's symptoms;
  - (iii) the date of the onset of the
    researcher's symptoms;

not closely related to SARS-CoV-2. Hu says he never worked with live viruses in that experiment or any others done in Shi's lab. "My work in the lab was mainly genome characterization and evolutionary analysis of viruses," Hu wrote.



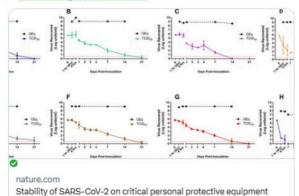




#### Daoyu a @Daoyu15 · May 3 Also I wonder why no objects that were frequently and directly handled by a vendor tested positive? As in stall 7-15-17, the basket and is negative. In stall 4-26, the fishbowls were negative. In stall 5-6-8, knife, cashier, basket, fishbowls were negative. In stall 15-X44, t] 1 0 2 ılıl 194 1 Daoyu € @Daoyu15 · May 3 Cashier is negative (the scales are ground scales with a top that is handled and a measuring surface that is swabbed. The carts have carrying surface that is swabbed and handles that is handled). In stall 5-25-25, Cashier and water cup was negative. 6-1-3, box is negative. 0 1 17 0 1 111 110 1 Daoyu ⋒ @Daoyu15 · May 3 11-15, basket, box were negative. 8-19-21-23, chopping block and knief negative. 11-15 is where F13 is located. Somehow live virus, no wildlife in sample, human cases, but still none of the objects directly and frequently handled by vendors tested positive. 17 ılıl 129 土 Daoyu € @Daoyu15 · May 3 We do know that if something is frequently handled (vs not handled and clean), the nature

Stability of SARS-CoV-2 RNA is reduced from over a month to less than 3 days—the earlier sirface stability assays are largely based on newly

oncbi.nlm.nih.gov/pmc/articles/P...



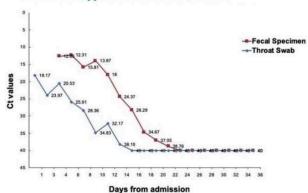
Scientific Reports - Stability of SARS-CoV-2 on critical personal protective equipment

More spe include r heavy pr	materials that w reference to par	er to test pos vere once stud nts and boots	itive in Gao's samp ok to the suits, pan , sites that are mo: ntly as samplers	ts and boots (with	Daoyu
Q 1	17 4	O 1	ılı 2,693	企	Daoyu  @Daoyu15 · Apr 24
walked to material Discarde	that once directed sampler PPE	ket) of the sa tly contacted , containers a	mplers, and must i the skin of the ver nd bags on the gro n the ground (such	ndors. und, doors, floors	More specifically, in order to test positive in Gao's sampling, a swab must include materials that were once stuck to the suits, pants and boots (with heavy preference to pants and boots, sites that are most likely receive and deposit contamination inadvertently as samplers
Q 1	tl 4	O 1	ılı 1,546	Ť.	Show this thread
And wall Vendor g shoes (n samplers	ot shoe covers	rts of walls) A ot found toge which are pro ects such as	re positive. ther with shoe cov fessional PPE wor knives, chopping b	n only by	Q 1     t 2     ♥ 1     III 426     ★       Daoyu â @Daoyu15 · May 23
Q 1	tl 4	O 1	ıl <sub>ıl</sub> 1,921	±.	Vendor
Daoyu f	@Daoyu15 - A	pr 24		***	
as well a leaning a	s any objects u and bowing insi	nlikely kicked de to sample,	ets frequently har , trampled on and including all surfa rs and all surfaces	does not need ces with physical	■ Daoyu  @Daoyu15 · Apr 24 And walls (low-lying parts of walls) Are positive. Vendor gloves (gloves not found together with shoe covers), vendor shoes (not shoe covers which are professional PPE worn only by
Mushroo	s and sinks, we	located with re negative, e	in containers and to even when located IA in the positive s	in a positive stall	samplers), everyday objects such as knives, chopping blocks, scissors, mops and cashiers/cups Show this thread
Q 1	t7 4	O 1	ılı 2,570	±.	
	@Daoyu15 - A		ors including all ep	***	Q 1 tl 2 Ø 1 III 444 🛧
factors s sample v	such as the pres within the stall	ence of a hur without wildli	nan case in the sta fe DNA, or even bo opler(above waist h	all, a positive th—handled by a	Daoyu â @Daoyu15 · May 23
Q 1	t7 4	♡ 1	ılıl 1,029	<b>1</b>	sampler suits pants and boots, and where aseptic techniques can be practiced during sampling (not in awkward locations requiring leaning
Unlikely		stepped on/	kicked, and where		into to sample)were negative.
cases do	on't make every	day objects p	ositive and even h	uman case in stall e to positive result	■ Daoyu  @Daoyu15 · Apr 24
Q 1	ta 3	♥ 1	507	±	Mushrooms, vegetables located within containers and the insides of fishbowls and sinks, were negative, even when located in a positive
Where sa	n basin"/F14; BS	ontamination	is not possible (P 3, "fishbowl"/82 ar		stall with a human case and no wildlife DNA in the positive sample.  Show this thread

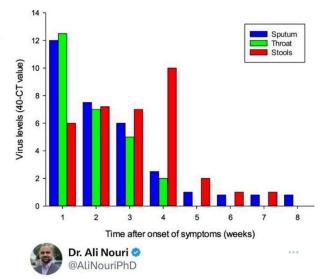


pubmed.ncbi.nlm.nih.gov/32870707/ at least early in the pandemic, fecal-aerosol transmission (e.g. Poop is aerosolized and then inhaled) is detected. And the RNA shedding for human SARS-CoV-2 in stools is found to be comparable to, and often exceed, the shedding from respiratory samples. There is enough time for the earliest patients and infections to reach the dominant fecal shedding regimes even in adults -and stool/fecal/enteric shedding are also brought all over the market on the outer clothing and shoes of people. Human->feces in toilets->boots and suit of samplers+shoes and outer clothing of vendors and visitors->positive environmental samples. archive.md/LJzSO archive.md/4cCHG

archive.md/DChUL archive.md/4rVph archive.md/yyXOZ archive.md/iw1Pz







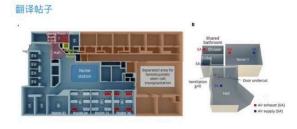
✓ Evidence for airborne SARS-COV-2

transmission between 2 people who visited same
bathroom 40 min apart\*

Conclusion backed up by contact tracing, CCTV, & virus' genomic sequence.

\*Bathroom was poorly ventilated due to malfunctioning air exhaust.

Report: rb.gy/kz5xsh



04:58 · 2021/7/5 位于 Earth

#### Validation of RNASeq Data - How to validate RNASeq DEGs using qPCR



Hi, Biostars! Can anyone tell me how to validate the RNA-Seq Differential gene expression data using qPCR? How many genes should I select for qPCR validation? Is there any criteria for selecting the differentially expressed genes for qPCR validation? and finally what is the best method to visualize/represent the correlation between RNA-Seq and qPCR data?

Thank you all!!

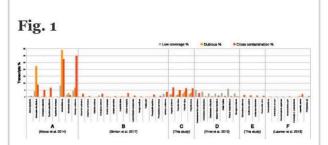
RNA-Seq DESeq2 • 4.7k views ADD COMMENT · link updated 2.5 years ago by Antonio R. Franco ★

5.1k • written 5.7 years ago by Sreeraj Thamban ▲ 280



Hey! It's highly recommendable to validate at least 20 genes. I'd suggest to choose the ones interesting for the topic you are addressing in your study and ones completely random, or for which you observed an interesting behaviour. The method is a simple Pearson correlation between the two groups: 1: RNA-Seg data and 2: gPCR data. If you got a Pearson correlation value of min 0.7 consider your validation already quite good! Good luck!

ADD COMMENT · link

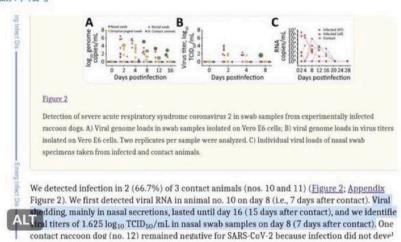


Pervasive cross contaminations observed in recent transcriptomic datasets from six different labs. For each transcriptome, three columns indicate the percentage of transcripts categorised as low coverage (grey bars), dubious (orange bars) and cross contamination (red bars) as detected by CroCo (using default parameters). For the content of each dataset, see Additional file 1: Table S1; references [16, 22, 34, 41]

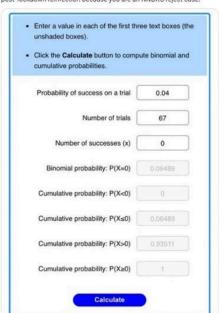
Full size image >

If a Raccoon-dog became infected - somehow w/SARS2 virus, it would be unlikely they would spread Covid-19; but even if its snot managed to infect other Raccoon-dogs, Freuling et al 2020 indicates virus transmission would end there (max shed was only 42 live SARS2 virions/ml)

#### 翻译帖子



Also, can you trust an 2021 cohort study testing on "ANY" 67 cases to be "all negative"? It is in 2021. The entirety of Wuhan community had 4% seroprevalence at the end of lockdowns. No "magic protection" from post-lockdown reinfection because you are an NNDRS reject case.



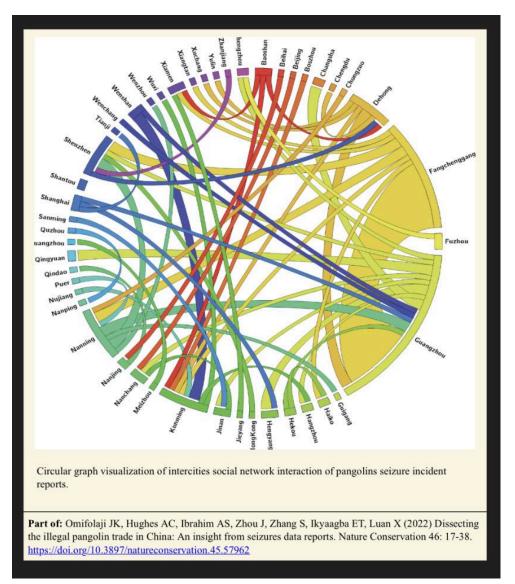


Go to fund inquiry

Pathogenicity of two new bat SARS-related coronaviruses to transgenic mice expressing human ACE2

Person in charge: Hu Ben Supporting unit: Wuhan Institute of Virology, Chinese Academy of Sciences Year of approval: 2018

project name	Pathogenicity of two new bat SARS-related coronaviruses to transgenic mice expressing human ACE2
Project approval number	31800142
Subject classification	C010802 Life Sciences _ Microbiology _ virology _ animal virology
Type of funding	Youth Science Fund Project
principal	Hu Ben
Supporting unit	Wuhan Institute of Virology, Chinese Academy of Sciences
Year of approval	2018
Start and end time	201901-202112
Approved amount	250 thousand yuan
Summary	No data



archive.md/yyX0Z archive.md/iw1Pz archive.md/4rVph archive.md/DChUL https://twitter.com/daoyu15/status/1702549289623601162

Also here is a result on the raccoon dogs and the inability for the species to become infected in nature. archive.md/n9o0f All non-human mammals archive.md/7doR8 archive.md/0A24q at most landed on different sections of the ground and correlation fails upon entry to that "raccoon dog stall".

https://twitter.com/daoyu15/status/1706503805079355845 archive.md/Ttn5P archive.md/JSQvc

Coincidence caused by pathological spatial distribution on the most uniquely found species in the stall closest to the toilets archive.md/gvHfw have high R^2–all landed on different sections of the ground and fails upon entry into the stall. archive.md/0A24q

True causation remain positively correlated when looking at the positive samples or when you enter the site of the pathological spatial distribution. archive.md/csYBM

https://twitter.com/daoyu15/status/1738152883185742252

The only thing governing the probability for positivity of the environmental samples is "closest to the toilets" and "closest to the main entrance of the market".

https://twitter.com/midwesterngal51/status/1673521194853703681

https://twitter.com/daoyu15/status/1673511971298361344

https://twitter.com/daoyu15/status/1713464579920187428

https://twitter.com/daoyu15/status/1727124435247968328

Also, in order to test positive in Gao et al, a sample

archive.md/CTP3i archive.md/ETjzS archive.md/BWZJL

must be contacted by a sampler.  $\mathbb{A} \parallel \mathbb{I} \parallel$  =positive.

archive.md/NeybM archive.md/2PM9Y archive.md/RirQ7

Must not be frequently handled by a vendor.  $\checkmark$   $\checkmark$   $\checkmark$   $\checkmark$   $\checkmark$   $\checkmark$   $\checkmark$  = negative.

https://twitter.com/daoyu15/status/1742201874953187706?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

There is a reason why the theil-sen correlation, a quantifier of mutual information, show Homo Sapiens as max correlated wherever any species in the "susceptible mammals" category (wildlife and humans) show correlation at all.

https://twitter.com/daoyu15/status/1744939585480642650

Humans=shed in the toilets and feces are stuck all over the boots and suits and shoes and clothes of the samplers and vendors alike. Suit-stained walls doors and legs of desks (but not tops of tables), boot-kicked machines, cages, carts, scales and of course the ground itself which is the dominant sample type for positive samples. And suit-stained sample tubes where the swab is clean but the lip isn't (causing PCR-/NGS+).

In fact all animals that can be infected at all shed in their feces for SARS-CoV-2 RNA.

https://twitter.com/daoyu15/status/1744937667911921996

Yes. SARS-CoV-2 have enteric tropism and shed RNA in feces for both animals and humans.

https://twitter.com/alinouriphd/status/1411761475719401482

You know that transfer contamination is the dominant if not the only mechanism for market environmental samples when there are also samples that are +ve in both PCR and NGS, but linked neither to human cases nor to wild animals. Even the presence of materials from different origin within the samples are consistent with transfer contamination with a pathway that first go through the toilets and then go through the W6 junction, getting SARS-CoV-2 on the former and wildlife material (on only a fraction of the boots) on the latter, independently.

https://twitter.com/daoyu15/status/1738157235417821255

More samples with neither cases nor wildlife DNA are found south of the W6 junction than north of it, but such samples also exist north of the W6 junction. This is consistent with the virus being brought in from the entrance/toilets, contaminating stalls where there is also a focus to stalls with human cases. When boots stepped through the W6 junction, some of the boots also have wildlife DNA stuck to them, bringing it alongside when sites north of the W6 junctions were kicked or trampled.

but not all of them were and there exist also incontrovertible proof of samples with neither human cases nor wildlife DNA found also here.

https://twitter.com/daoyu15/status/1752142052890997051

Good and specific PCR primers, like Jan 01/Jan12 ORF1ab+N, and you should have PCR+ before NGS+. Bad and cross-reactive PCR primers like an ORF1ab only primer, and you are going to have PCR+ anytime you see material from the same family you are trying to test on (Embecoviruses cross reacted with their ORF1ab primers—and these animal CoVs are the only real grounded CoV consistent with samples of the expected age at sequencing found here in the specified time). However, PCR-/NGS+ is something that should never happen nomatter which primer pair you use (cross-reactive or specific) when your NGS result place clustered reads right beside the primer pair.

https://twitter.com/daoyu15/status/1745406880296349768

https://twitter.com/daoyu15/status/1741320436468826555?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

What they wanted you to believe: Aerosols are blocked by walls and can not spread from toilets and wildlife stalls. Reality: Activity of samplers and vendors alike, especially their shoes and boots and the gloves of the samplers, caused the contamination to be spread out from the toilets.

What they wanted you to believe: there are additional PCR+ samples.

Reality: these are a different kind of PCR than what Jan 01 and Jan 12 used. It lacked lacked the universally present N primer pair in the specific PCR primers (the Jan 01 and Jan 12 used specific ORF1ab and N primers in the same reaction to generate 1 single Ct value) which indicate it being an non-specific (surveillance primers in PREDICT target only the ORF1ab/RdRp region due to its conservation, and have degeneracy.) test that cross react with all members of the Coronaviridae family. Artifacts ensues, if not "no reads at all". Neither PCR+/NGS- nor PCR-/NGS+ can be trusted as genuinely positive, due to the extreme proneness to contamination in the NGS pipeline and the probability of cross-reactivity in some PCR tests. archive.md/2PM9Y archive.md/RirQ7 archive.md/CTP3i archive.md/NeybM archive.md/ETjzS archive.md/BWZJL

 $https://pdfhost.io/v/{\sim}IGA2bONb\_closest\_to\_the\_toilets$ 

https://pdfhost.io/v/dUbkceTFh anticorrelation is not an artifact

https://twitter.com/daoyu15/status/1743492601943355494?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

Since C-C say you need to @stevenemassey @jbloom\_lab use qPCR to properly get the viral counts, let's see...... Q61/Q70=PCR-. (And located uncomfortably close to PCR+ samples rendering them prone to contamination on NGS.) Q37=PCR- AND orphan sample negative whole stall before and negative exact site after. And primers aligned over by NGS. All are false positive samples. All does not prove virus is there with that metric. The virus is in the human+ and animal-poor Q64/Q68/Q69. https://twitter.com/daovu15/status/17428307249051158712s=46&t=wRQSWp\_1VffW

https://twitter.com/daoyu15/status/1742830724905115871?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

https://twitter.com/daoyu15/status/1750304059876147618?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

If you examine the inside of "wildlife stall A", then all you see is boot prints and suit marks. None of it is animals. All metrics now favor Homo Sapiens as the most likely source of the SARS-CoV-2 sequences there.

https://twitter.com/daoyu15/status/1750295494377484458?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

The wildlife stalls all sold susceptible animals. They only sampled wildlife stalls in Jan 12. Then positives are found closest to the toilets because that is where contaminated suits and boots most likely rub trample and kick. No different from W4-28 and W4-26-28, really.

https://twitter.com/daoyu15/status/1749953567035727876?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

Not forming a line on the correlation diagram=no mutual information=spurious. https://twitter.com/daoyu15/status/1750291356927340611?s=46&t=wRQSWp\_1VffW mS2vKQwhSA

That is why it dissolved completely when asking "which species shed the SARS-CoV-2" in slices where the analyte concentrations aren't 0. https://twitter.com/daoyu15/status/1750292448759177457?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

That is also why they fraudulently bleached the toilets before sampling them. https://twitter.com/daoyu15/status/1749747743449399671?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

https://twitter.com/daoyu15/status/1750313347847712908?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

And this is how you ID a spurious result.

If the correlational diagram show a neat line indicating an consistent increase in the count of one candidate factor as the target analyte increased, it indicate that the target analyte is probably caused by the candidate factor with a consistently raising minimum of the factor per analyte suggesting that all of it is brought in alongside this candidate.

If the correlation diagram show an randomized pattern or even a line of negative slope, especially when nearly all of the target analyte is found in one place, then it is probably that it is just the one place have one or few potential candidates that are less abundant elsewhere, which with the 25+ candidates in the market sample correlation analysis guarantee 1-2 for every stall (and most of which are on the ground just like anything trampled from the toilets, with entirely different reasons). If you can not use the concentration of the target analyte to reliably predict the concentration of the candidate, or come up with an result that the more target analyte there is the less candidate there is where the target is found, e.g. an absence of or negative mutual information, then it is most likely spurious and extremely unlikely that candidate yielded or is brought alongside the target analyte.

Causation are bijective. Confounders are injective. Spurious correlations are correlated only in some metrics and slices but not all.

Inconsistency between different slices and metrics indicate an lack of true causation and likely confounder that makes false positive in some but negative in the other. A consistent positive correlation in almost all metrics and no negative correlation in any metric, Like Homo Sapiens, indicate that there is true causation that some disruption may have occurred. Species that have "positive" correlation only in some metrics out of a single slice, (not even all the slices examined for that date), but negative or zero in all the other metrics and slices with the mutual information metric yielding negative and zero only regardless of slice, like oriental rat snake or malayan porcupine, are spatially confounded—they are "the most unique species found in the 1 stall at that slice that was closest to the toilets", and since every stall have one such species, they represent false discovery by lottery fallacy, and fails when any other slices are used. They also failed to form a line on the correlation plot which indicate that there is no causation and the animal did not shed the virus where it was found. https://twitter.com/daoyu15/status/1742660802761589231?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

https://x.com/daoyu15/status/1748919231935041747?s=46&t=wRQSWp\_1VffWmS2 vKQwhSAUnfortunately, all that existed for Q61 and Q70 are the result of cross-contamination from Q64 and Q68/Q69, All of which are on the ground and archive.md/YGDiK are the result of either lower level boot and foot contamination x.com/daoyu15/status/1744903866800382015?s=46&t=wRQSWp\_1VffWmS2vKQw hSA

x.com/daoyu15/status/1744913305540464731?s=46&t=wRQSWp\_1VffWmS2vKQw hSA

Same as Q64/Q68/Q69 (stepped on>kicked for contamination).

x.com/daoyu15/status/1741320436468826555?s=46&t=wRQSWp\_1VffWmS2vKQw hSA

All that archive.md/73xfX archive.md/8nN3k archive.md/FskYn archive.md/gvHfw exist for Q37 is the contamination of a sample tube by the gloves and suits of the samplers. The swab is clean, PCR-. The tube lip is contaminated, NGS+ with alignment over the CCDC SARS-CoV-2 ORF1ab primer pair.

archive.md/LJzSO archive.md/4cCHG

PCR+/NGS+ mean the virus is present in the location. PCR+/NGS- or NGS(artifacts) mean you are using the incorrect primers (all incidents happened with the PREDICT ORF1ab only primers).

archive.md/rj1pV PCR-/NGS+, especially when archive.md/csYBM the primers are aligned over by NGS reads, indicate that the samples have been catastrophically contaminated as NGS is a more complicated process that are far more prone to contamination compared to PCR.

archive.md/13bdP

The stall for Q37 is negative at Jan 01.

twitter.com/daoyu15/status/1722434363042976034 They then went on sampling the

same stall including the "freezer" twice afterward, attempting to verify the "sample" they considered most promising. Bringing in artifacts elsewhere and samples without a read twitter.com/daoyu15/status/1703729030284120515 (the only sample with a real SARS-CoV-2 read at all gathered using the PREDICT ORF1ab only primer pair was a sewage well connected to the municipal sewage system on the exact opposite to the "wildlife corner".), but never SARS-CoV-2 reads any more.

https://twitter.com/daoyu15/status/1757291836928893389

This fact is also reinforced with the intriguing observation where Q37 is found to be in the same correlational series between SARS-CoV-2 and Homo Sapiens as other Q\* samples.

Attempts at sampling the twitter.com/daoyu15/status/1740599206035993005 archive.md/FskYn archive.md/gvHfw archive.md/4cCHG archive.md/csYBM archive.md/rj1pV "storehouse" just ended up with a total catastrophe—archive.md/13bdP the sampling team brought in in-lab culture contaminants, not even aged for more than a day, into the sampling sites again when they suited up in their lab and entered the location. Impossibly fresh intracellular Homo Sapiens and SARS-CoV-2 transcriptomes, neither capable of lasting for more than two days ex-vivo in that condition, ended up contaminating the samples and without a single read of a susceptible animal inside those "samples". twitter.com/daoyu15/status/1704347320949862843

twitter.com/daoyu15/status/1742632626849186292 archive.md/HJ9o archive.md/nAqKp archive.md/rSaO9

They also put bleach onto the toilets and the mahjong room before sampling them. This is a clear move to cover up.

archive.md/csYBM

And no the "stall" W5-NA was sampled on the inside 27/01/2020, negative. (Not even animal CoVs were there) The toilets is the real contamination source. archive.md/C5oal archive.md/RSsS7 and yes only Homo Sapiens positively correlated with SARS-CoV-2 consistently in all metrics, or formed any kind of line or grouping pattern at all that allow the abundance of one to be estimated at above-random success rate and precision using the other (e.g. have any significant mutual information with SARS-CoV-2). archive.md/0O2TN archive.md/GjlEx

https://twitter.com/biorealism/status/1752113606353965467?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

Ask China on why they fraudulently bleached the toilet area and the mahjong room before any samples were taken,

https://twitter.com/daoyu15/status/1752150588614177265?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

Or why they tampered with the early cases dataset and changed the only case with district of residence known on media.

https://twitter.com/daoyu15/status/1752135440839151987?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

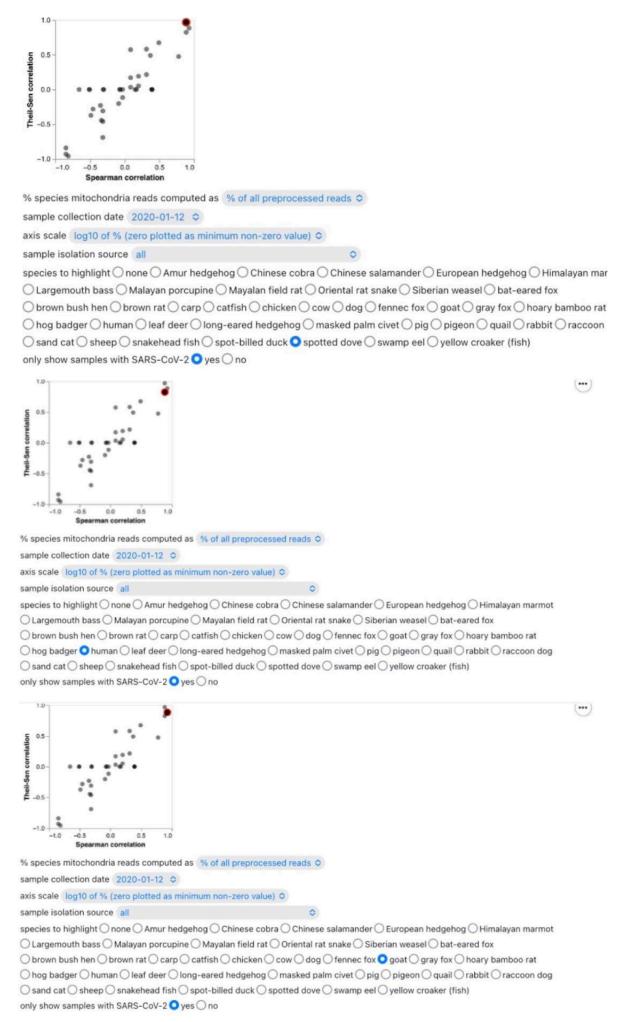
Not only statistically inconsistent

https://twitter.com/staronline/status/1751915672949358722?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

But actively tampered with.

https://x.com/daoyu15/status/1751916335519383630?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

https://twitter.com/daoyu15/status/1743825586290843998?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA



**⊕** 



% species mitochondria reads computed as % of all preprocessed reads  $\circ$  sample collection date 2020-01-01  $\circ$  axis scale | log10 of % (zero plotted as minimum non-zero value)  $\circ$ 

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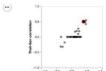


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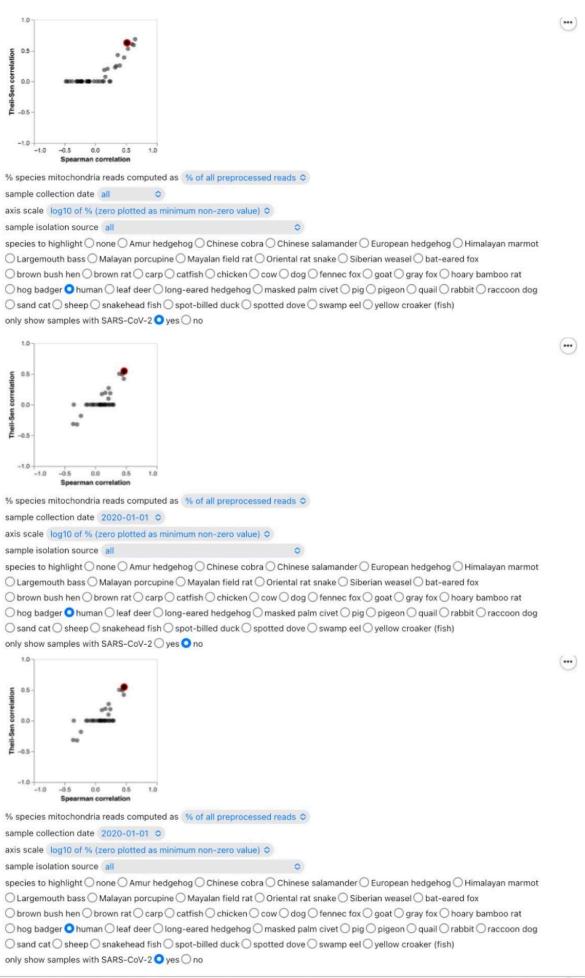
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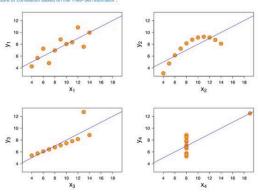
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axis scale (log10 of % (zero plotted as minimum non-zero value) ©

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# Overall correlation of mitochondrial DNA and SARS-CoV-2 across all samples using Theil-Sen estimator

Each point shows the correlation between the percent of all high-quality reads that align to SARS-CoV-2 and the percent of aligned mitochondrial reads for a specific species taken across all samples. The axes show the Spearman correlation and a management of correlation based on the Table Spearman.



Source: Wikipedia

An alternative to least squares for simple linear regression is Theil-Sen estimation. This more robust method determines the slope of the regression line via the median of the slopes of all lines that can be drawn through the data points:

$$m_{\text{TS}}(x,y) = \underset{\substack{k,l \in \{1,\dots,n\}\\x_k \neq x_l}}{\operatorname{median}} \left(\frac{y_l - y_k}{x_l - x_k}\right)$$



% species mitochondria reads computed as % of all preprocessed reads

sample collection date all O

axis scale log10 of % (zero plotted as minimum non-zero value) 0

sample isolation source (all personner) as sample isolation source (all personner) as species to highlight Onne C Amur hedgehog O Chinese cobra O Chinese salamander O European hedgehog O Himalayan marmo C Largemouth bass O Malayan porcupine O Mayalan field rat | Oriental rat snake | Sherian weasel | Sher-aned fox to brown brain or town rat | Carp | Catfish O chicken | Cow | Gog | Tenne fox | Goal | Gray fox | O hoary bemboo rat | O hog badger O human | Died feet | Iong-eired hedgehog | C masked path of ver | pig | Dipson | Quali | C rabbit | Taccoon dog | Sherian | Carp | Carp



% species mitochondria reads computed as [% of all preprocessed reads  $\varsigma$ 

axis scale | log10 of % (zero plotted as minimum non-zero value) ©

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Ong paoger ∩ human ∪eat oeer ∪ long-eaved neegelong ∪ masked pain over **U** pig ∪ pigeon ∪ quali ∪ rabbl o sand cat 0 sheep ○ snakehad fish ○ spot-billed duck ○ spotted dove ○ swamp eel ○ yellow croaker (fish) only show samples with SARS-CoV-2 **Q** yes ○ no



% species mitochondria reads computed as % of all preprocessed reads ©

sample collection date all

axis scale log10 of % (zero plotted as minimum non-zero value) ©

species to highlight \( \) none \( \) Amur hedgehog \( \) Chinese cobra \( \) Chinese salamander \( \) European hedgehog \( \) Himalayan marmot \( \) Largemouth bass \( \) Malayan porcupinie \( \) Mayalan field rat \( \) Oriental rat snake \( \) Sibrian weasel \( \) Dati-cared for \( \) brown bush hen \( \) From rato \( \) hen \( \) for \( \) Park \( \) From \( \) From \( \) Park \( \) Algorithm \( \) Carried \( \) (and \( \) Carried \( \) Park \( \) (blue \( \) Park \( \)



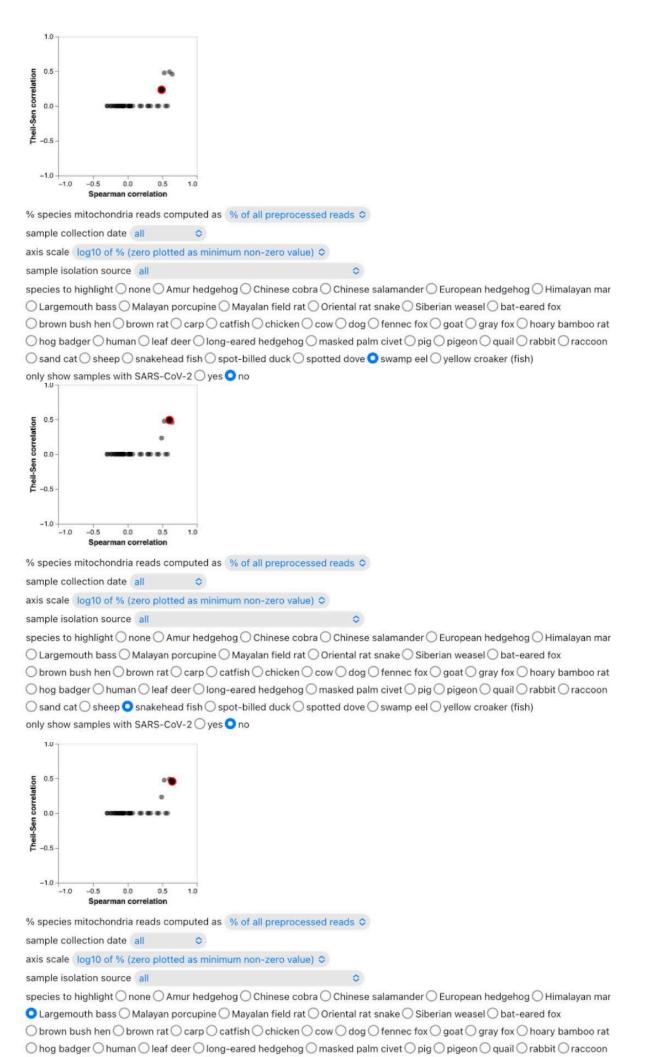
Spearman correlation

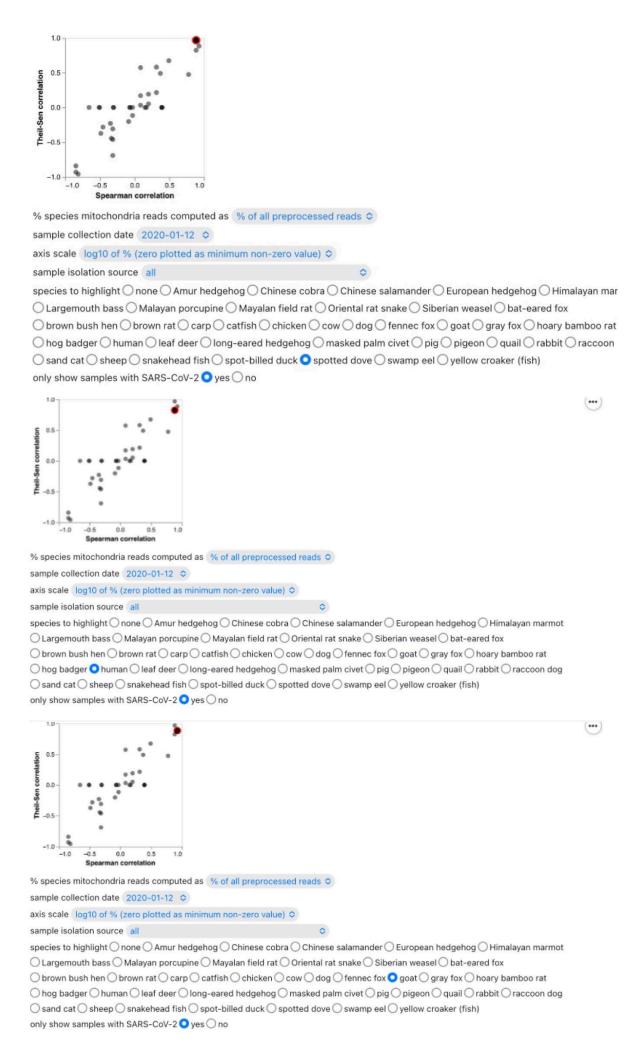
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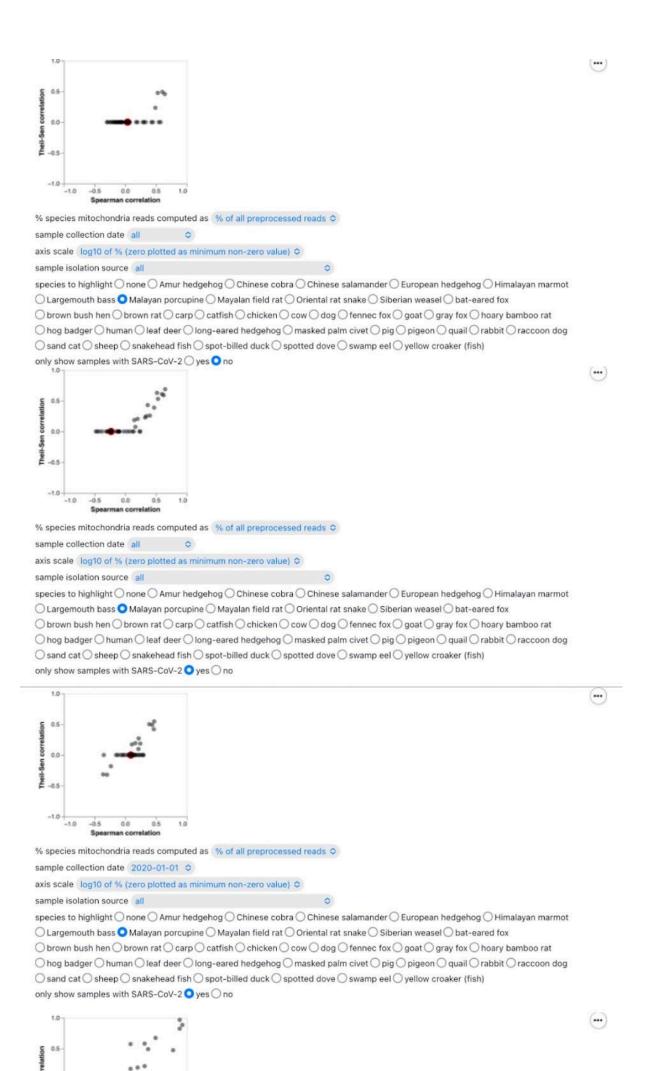
sample collection date all

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#### archive.md/HIJ9o

https://archive.md/rSaO9https://archive.md/13bdPhttps://archive.md/nAqKp

They also put bleach onto the toilets and the mahjong room before sampling them. This is a clear move to cover up. <a href="https://archive.md/rj1pVhttps://archive.md/FskYn">https://archive.md/FskYn</a> archive.md/csYBM

And no the "stall" W5-NA was sampled on the inside 27/01/2020, negative. The toilets is the real contamination source.

https://archive.md/LJzSOhttps://archive.md/4cCHG

archive.md/C5oal archive.md/RSsS7 and yes only Homo Sapiens positively correlated with SARS-CoV-2 consistently in all metrics, or formed any kind of line or grouping pattern at all that allow the abundance of one to be estimated at above-random success rate and precision using the other (e.g. have any significant mutual information with SARS-CoV-2). archive.md/0O2TN archive.md/GjlEx https://twitter.com/daoyu15/status/1740268239366836398?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

What they tried to hide with this:

The fact that "closest to the toilets" is the only factor that governs where you are going to see positive samples the most in the market—there is no difference between W4-28 and W4-26-28 in 01/01/2020 and W6-29-33 in 12/01/2020 in term of where the virus came from and why they have the highest positive sample count out of all sample counts in their respective sampling runs.

https://twitter.com/daoyu15/status/1738152883185742252?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

https://twitter.com/daoyu15/status/1740195996318261329?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

https://twitter.com/daoyu15/status/1740185689894093265?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

https://twitter.com/daoyu15/status/1740960725286482306?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

ANGRY farmers hit by the foot-and-mouth outbreak last night argued the Government's Pirbright facility, blamed for leaking the disease, should stop operating until the source is found.

A number said they lost thousands of pounds because of restrictions on animal movements after the infection of two Surrey farms five weeks ago.

The farmers spoke out after reports by the Health and Safety Executive and Professor Brian Spratt said the outbreak originated from the Pirbright site, is home to commercial laboratory Merial and the Institute of Animal Health.

The group, including Roger Pride, whose beef cattle were the first herd to be culled, met shadow environment, food and rural affairs secretary Peter Ainsworth at a farm in Surrey.

They demanded answers from the Government as to how the virus could have escaped. Laurence Matthews, a farmer from Dorking, Surrey, who rented land to John Gunner, one of the farmers whose herds were culled, said: "It doesn't matter that the pipe broke - accidents can happen - but it is the fact it left the site. It comes down to biosecurity and there was a basic breakdown ... If this was a private company, they would be shut down, but, because it is the Government, they are not. It is one rule for one and one for another."

Cattle farmer Angus Stovold, from Shackleford, said: "(Environment Secretary) Hilary Benn is on TV saying we will do everything to make sure it never happens again, but, if they can't find out the source, how can they give us that reassurance and continue operating?"

Mr Ainsworth, who is MP for East Surrey, said there had been "a systematic failure" in the biosecurity arrangements at Pirbright. He added that, although staff are required to disinfect themselves when coming and going, it was like shutting all the windows to keep the cold out but leaving the front door open.

He added: "In a way, it is fortunate it was foot-and-mouth and not something that could harm humans that got out."

The reports blamed leaking drains, heavy rainfall and building work for triggering the outbreak. Mr Benn cited "a unique and unhappy combination of circumstances" but said it was impossible to know the exact cause.

National Farmers' Union president Peter Kendall said: "I find it wellnigh incredible and quite indefensible that standards should have been as lax as these reports appear to reveal."

https://www.thefreelibrary.com/Farmers+demand+a+Pirbright+shutdown%3b+%27A+private+company+would+have...-a0168453941

Also: regarding the "the lab would be shut down and razed to the ground if it leaked and caused an epidemic":

https://en.wikipedia.org/wiki/2007\_United\_Kingdom\_foot-and-mouth\_outbreak
Fact: Pirbright, the only published government research lab which a leak have
resulted in a large scale epidemic, was not shut down after FMDV leak infecting 4
farms nearby. They repaired their drain pipes and continued operation, not even
interfering academic publication patterns. Ironically, cow farms were shut down and
beef trade was closed during the outbreak. This resulted in an epidemic lasting 5
months in cows that lead to at least two major cullings and severe disruption to the
livestock trade from the U.K. That is, the reaction look like what they claim a
zoonosis would look like, not what they declare what the WIV would do when such a
shut-down would certainly directly admit guilt and spell doom to both the institute and
its operators. The reaction was identical to that of a "zoonotic spillover from a nearby
market" even when the leak is known from the very beginning.

https://www.theaustralian.com.au/science/beijing-lab-mishap-infected-scientist-with-covid19/news-story/9b0cb0ed84df21d25da11b698be3611a

Fact 2: there is no shut-down reported at all in the IVDC either after the 2004 leak of SARS or the 2020 leak of Covid. Not even a burp of interruption.

Fact 3: the WIV went on hiatus to the bat CoV isolation tests over 2020-2023. When the sverdlovsk anthrax leak happened, they blamed the animal farms and markets nearby and did not officially shut down the facility. The construction of another anthrax facility nearby was considered potential indication of a shut-down, which is on par with the WIV hiatus. After a timescale similar to the WIV hiatus, the new facility was opened for inspection which no anthrax was found, meaning that they fixed sverdlovsk and went on, just like the WIV (chen WEI.....).

In facts, there have not been a single record of an lab leak or LAI in a research facility that resulted in the (especially permanent, as what they claimed would happen) shut down of the facility (despite hundreds of known incidents in record), even when significant epidemic have occurred from the event. (Ebola21, FMDV07, H1N177, Anthrax82 which no official shutdown was known).

https://twitter.com/daoyu15/status/1746479306610479514?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

there is a long history of the WIV lying to the point of base rate neglect when being asked anything about potential LAI. The "dinner of staff" too, where they neglected the base rate which is Wuhan medical institutions are already in panic and the general public is already taking precaution, as h2h is announced in 15-16/01/2020 to the point that even the invited international collaborator have hinted Shi to wash hands, that she unexpectedly did not given her expertise and knowledge on the public info about SARS-CoV-2 in general Wuhan public in this time. She pretended

to not know the need to take precautions when she was expected to do so, just like when she sabotaged the test to make 67 general 2021 Wuhan public serological samples test all negative when there should be positives given the seroprevalence in Wuhan at that time.

https://twitter.com/daoyu15/status/1723512975842226230

www.researchgate.net/publication/351711216\_An\_analysis\_of\_the\_results\_of\_routin e\_employee\_testing\_for\_SARS-like\_infections\_within\_the\_WIV\_and\_other\_Wuhan\_labs\_raises\_serious\_issues\_about\_their\_validity

It is just as impossible To have 67 community members to test all negative in Wuhan in 01/2021 as to have 593 people to test all negative with any sensitive test available in April-June 2023.

gab.com/Flavinkins/posts/108695754734982678

And this same behavior of issuing a test that will not turn positive on a human also happened to the mojiang miners. Where their own early serological test results were contradicted.

archive.md/Pc6gp archive.md/zUD1F

And ben HU lied about working with live virus which are so easy to debunk just by a simple google search. His own grant notice required live virus work in 2019. Regarding sick WIV workers:

https://twitter.com/daoyu15/status/1693562597373817032

The ODNI have details which the symptoms of infected employees are known to the fine grain of "compatibility studies", mandated by law to be published, but denied publishing. Unfortunately ground glass opacities is compatible with CMV pneumonia and anosmia is compatible with seasonal allergies.

https://twitter.com/daoyu15/status/1725184057011765325

https://twitter.com/r h ebright/status/1729164212159824154

Lies and cover-up of China on the origin of SARS-CoV-2.

https://archive.md/Q02X7

https://twitter.com/billybostickson/status/1734534728919724201

There is No such a thing as a "symptom incompatible with covid-19".

https://twitter.com/daoyu15/status/1673402523812765696

Ben HU lied, people died.

https://archive.md/Pc6gp

https://archive.md/zUD1F

https://twitter.com/john\_bumblebee/status/1671859504122679296

Inconsistency upon inconsistency in Chinese publications as well as "data".

Well, twitter.com/covidselect/status/1701958926097342630

The ODNI can't even do a proper google search to realize that the ben Hu did work with live virus.

twitter.com/daoyu15/status/1702180584532131863?s=46&t=wRQSWp\_1VffWmS2v KQwhSA

No wonder the report.

twitter.com/daoyu15/status/1673402523812765696

Regarding the ability of China to stump investigations and keep secrets:

https://x.com/daoyu15/status/1746391051617636541

China have hid the merbecovirus found in the HZAU agricultural data,

https://x.com/daoyu15/status/1746387223262458126

twitter.com/daoyu15/status/1672399653344808960

And of course, WIV1, WIV16, Rs4874 and RsSHC014 count up to 4 published live isolates not "only 3" claimed by Shi. That is published isolates only.

zenodo.org/records/5702700#.ZKu-2CV6sIT

RaTG13 don't grow outside immortalized kidney cells.

arxiv.org/abs/2104.01533

An infectious clone is designed to be rescued.

archive.ph/EiCQW

Well, MN611520–definitely not a bat CoV.

twitter.com/drhermiz/status/1718191358077276403

twitter.com/daoyu15/status/1719847927512977720

These are just too many inconsistencies and obvious lies regarding the number of WIV

twitter.com/daoyu15/status/1719763256976523501

twitter.com/mattwridley/status/1462659372421718019

Or EHA viral sequences AND isolates in their public claims.

And finally regarding the once again officially denied fact that Covid is in the lab before the market:

https://twitter.com/daoyu15/status/1733792251669786633

Leaked SRA data included both the exact kind of viruses that they claim will not be present in the WIV—and the exact SARS-CoV-2, WA1, cultured in a CoV-specific tailored fusion cell line VERO-CHO never used in China and sequenced before even a sample of WA1 can be taken in China, alongside C/C and B, at high passage depths, and contained within it residual human DNA not from anywhere in central China but in stead right where they were sampling from the 2018 "pathogen host adaptation and immune intervention" grant—the belt and road regions. Note that the FCS is not found in these sequences.

https://twitter.com/daoyu15/status/1737318515353501739?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

Continued EHA human sampling=Yunnan and belt and road DNA.

https://twitter.com/biophysicsfl/status/1737114987146174846?s=46&t=wRQSWp\_1V ffWmS2vKQwhSA

Isolate if possible=special unpublished VERO-CHO cells.

https://twitter.com/daoyu15/status/1737399622509928510?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

And it was sequenced before the first public sequencing of SARS-CoV-2 with this machine type by the flow cell, confirmed via Sangon policy and Chinese law, and before+not matching any samples of WA1 was even taken in China.

https://twitter.com/daoyu15/status/1738903987381031326?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

And this exact CAS special project mirroring of DEFUSE+Year 5 extension—sample humans from belt and road area, isolate and engineer viruses for infection characterization, and create vectorized and nanoparticle vaccines that are capable of bringing in both backbone and Spike into bats studied in and released by the WIV, and into the main sample storage facility of the WCDC.

(Also see this—note all the FCS relevant oddities can also be caused by targeted RNA recombination link.springer.com/chapter/10.1007/3-540-26765-4\_5 followed by cell culture).

https://x.com/daoyu15/status/1731414539324018732?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

https://gab.com/Flavinkins/posts/109640519028841414

It is not just that SARS-CoV-2 Wuhan grows best in VERO cells out of all variants.

https://twitter.com/daoyu15/status/1723738450078396809

Some earliest patients harbored inside their QS specific S1-S2 deletions that can form only in VERO E6.

https://twitter.com/daoyu15/status/1730690080950596017

https://twitter.com/daoyu15/status/1673402523812765696?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

SRR13200932	A	C	G	T	N		A	C	G	T	N
NC 045512.2 3037	1	6986	0	21	0	0	0	1001	0	2	0
NC 045512.2 8782	0	214	0	7216	0	0	0	10	0	2297	0
NC 045512.2 17747	1	1002	0	5491	0	0	2	1674	0	698	0
NC 045512.2 17858	8	1	3284	4	0	0	3	0	3219	1	0
NC 045512.2 18060	0	4	0	2997	0	0	1	3	1	4051	0
NC 045512.2 28144	1	742	0	2110	0	0	1	6359	0	167	0
NC 045512.2 29095	0	354	0	6	0	0	0	8445	1	27	0

97	SRR11607710	Α	С	G	T
98	3037	0	3982	0	19
99	8782	1	3	2	4787
.00	17747	1	4517	0	2
.01	17858	4497	0	3	1
.02	18060	0	11	0	6145
.03	28144	0	5582	0	0
.04	29095	1	5746	0	7

37	SRR11622069	Α	С	G	Т
88	3037	6	2057	2	87
39	8782	18	56	3	2559
0	17747	1	125	0	673
1	17858	34	0	490	2
2	18060	13	1	4	7604
3	28144	43	7652	1	2
4	29095	0	83	0	0
5	29758	26	0	15	1700

109	SRR11607710	Α	С	G	Т
110	3037	0	3977	0	19
11	8782	1	3	1	4759
12	17747	1	4507	0	2
L13	17858	4494	0	3	1
14	18060	0	7	0	6145
L15	28144	0	5567	0	0
L16	29095	1	5744	0	7
17	29758	0	0	0	5

73	SRR11578196	Α	С	G	Т
74	3037	3	2782	3	23
75	8782	1	6	0	1585
76	17747	0	183	0	65
77	17858	3	0	94	0
78	18060	1	7	0	1078
79	28144	9	3009	2	10
80	29095	3	1051	0	14

https://twitter.com/daoyu15/status/1722061305195208921

8782/28144 QS instability is also abundant in the WA1/UW cluster, which indicate that the WA1->A->C/C->B process happened in culture and can generate all early lineages within a single spillover. And that this occur recurrently in culture conditions with or without the FCS.

Also, China WHO/WIV covered up their earlier cases intentionally—it is not plausible for 67 samples from humans taken in 01/2021 to test "all negative".

https://twitter.com/daoyu15/status/1673882003203309569?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

https://www.mdpi.com/2036-7481/14/1/33

https://www.biorxiv.org/content/10.1101/2022.10.10.511625v1

archive.md/JVFuc archive.md/GME5L

There is also issue with Epistasis, and the fact that the very deep sequencing alignment Table Pekar used to "exclude" 3 T/T genomes, literally say T/T in quasi species.

This also completely debunks Pekar by removing the prior of "multiple spillovers" given the instability of these sites in-vitro and their epistatic correlation with each other (but still highly unstable) in-vivo.

https://twitter.com/daoyu15/status/1674155531035090945?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

Again, why always focus on the wrong part of the report? "Other rescarchers in China working with the same vaccine platform took between three to four months to develop their candidate

vaccine." Is what that matters. It cross-validates

https://carterheavyindustries.files.wordpress.com/2020/05/mace-e-pai-covid-19-anal ysis.pdf the Wechat results.

# Rootclaim @ @Rootclaim

Feb 2

HSM is not the only early cluster location under zoonosis. There are other markets with wildlife, and more importantly, SARS1 was repeatedly spilling over in restaurants, not markets. So we can comfortably assert p(HSMIWuhan,Zoonosis)=0.1.

Feb 2, 2024 · 9:44 AM UTC

●2 13 99 ♥8

# Rootclaim @ @Rootclaim

Feb 2

Meaning that if we assume an outbreak starts in Wuhan due to zoonosis, HSM has a 1 in 10 probability of forming the earliest detected cluster.

●2 13 33 ♥5

# Rootclaim @ @Rootclaim

Feb 2

Considering the different pieces of evidence mentioned above that indicate human introduction to HSM rather than wildlife, we increase the odds of human introduction by 10x to 0.01.

●1 tp 55 ♥7

# Rootclaim @ @Rootclaim

Feb 2

Therefore, for this evidence to have any value we need to claim there is less than 1% probability that HSM will form an early cluster under the lab leak hypothesis i.e. p(HSMIWuhan,lab-leak)<0.01

●2 13 33 ♥5

# Rootclaim @ @Rootclaim

Feb 2

Given the two independent arguments above: a) that there are very few locations in Wuhan so conducive to SARS2, and b) we repeatedly see similar locations forming the first cluster after a zero covid period, 0.01 seems like a highly overconfident claim.

**●**2 t32 55 ♥7

Finally, zoonoses in SARS1 happened mainly at restaurants, not markets. Not a single SARS2 case have been linked to a restaurant or any direct contact to the wildlife trade at all.

https://twitter.com/Rootclaim/status/1753353716776739089

Unfortunately, none of your "caged, stacked, sick and wounded animals" actually have a single infection in nature anywhere in the world.

archive.md/DChUL archive.md/4rVph archive.md/yyX0Z archive.md/iw1Pz And unfortunately <a href="https://pubmed.ncbi.nlm.nih.gov/35298912/">https://pubmed.ncbi.nlm.nih.gov/35298912/</a> two following sampling studies have in fact registered the entirety of the supply chain for the Huanan market, one for the local trappers which 100% of the raccoon dogs and weasels are from

https://pubmed.ncbi.nlm.nih.gov/35298912/

And the second for all the other animals which are farmed.

https://twitter.com/daoyu15/status/1723019367854875094

Unlike all prior zoonoses where multiple sites of spillover happens with extensive diversity,

https://twitter.com/daoyu15/status/1727479523778887806

Which is true for non-coronaviruses as well,

https://archive.md/OIGPz and just like the absence of secondary outbreaks anywhere at all despite the fact that the wildlife trade continuing for the same amount of time where SARS-CoV-1 had 9 out of its 11 primary spillovers

https://twitter.com/daoyu15/status/1740796866617647522

The total absence of a phylogenetic tree indicating 20nt+ variants and wildlife linked diversity also disproves zoonosis for SARS-CoV-2.

https://twitter.com/daoyu15/status/1668828125617352704

https://twitter.com/daoyu15/status/1740796866617647522?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

Unfortunately the animal trade continued

https://twitter.com/daoyu15/status/1723305823886291394?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

All the way into 23/01/2020 and later, without being shut down especially in Guangdong.

https://twitter.com/daoyu15/status/1690330493693374464

This is sufficient amount of time where the majority of the primary SARS-CoV-1 spillover events (9 out of 11, 5 of which are animal sellers from distinct markets in distinct cities, and which an animal transporter linking Yunnan and Guangdong was among the first cases) have taken place.

https://gab.com/Flavinkins/posts/109883975094801876

https://wwwnc.cdc.gov/eid/article/10/6/03-0852 article

On the contrast, 5 independent animal seller cases out of 9 total primary cases for SARS-CoV-1 have happened in 5 cities in 4 in Guangdong and 1 in Guangxi (and +4 for the non-animal seller cases), over the same 2-months timeframe. Two of them were civet butchers, two market workers and one a driver for wildlife dealers that connect Yunnan and Guangdong through Guangxi. In the contrast, 0 of the early

cases for SARS-CoV-2 worked in or have a history of direct participation with the wildlife industry.

https://twitter.com/daoyu15/status/1679623149045043200?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

Hundreds of restaurants sold wildlife in western Hubei, dozens of resurfaced in Wuhan, why not 1 single SARS-CoV-2 early case have visited or worked in any of these restaurants? The closest an early known case have in term of the food industry worked to sell "seafood" "shrimps" and "seasoning". None of the early cases have even cooked or eaten a wild animal, anywhere in China. All of the known "other markets" of early cases were ordinary supermarkets and farmer's markets which none is one of the 4 wildlife markets in Wuhan or any other markets that sold wildlife, not even outside Wuhan. None of the early cases outside Wuhan, which is also ironically where most of the early lineage A cases were found due to there not being a requirement for visiting the Huanan market for ascertainment outside wuhan, have reported visiting a market that sold wildlife or have any contact history to wildlife including those in restaurants supplied by the Huanan market, or any market at all anywhere. There is in fact a total absence of direct wildlife exposure, even among the Huanan market cases themselves, for the early epidemiology of SARS-CoV-2, completely different from SARS-CoV.

https://twitter.com/daoyu15/status/1687522463440384000?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

https://twitter.com/daoyu15/status/1668828125617352704?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

Again, In SARS1 Guangdong had 11 spillovers in 11 markets in 9 cities in Guangdong, creating 3 distinct lineages and 3 outbreaks differing by up to 20nt to 30nt. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7150232/#bib1 archive.md/GKdtc

https://archive.md/e3615 https://archive.md/vWjZI

https://archive.md/nyR0q

https://twitter.com/daoyu15/status/1728590226715738126

The absence of infections in any animals in China and the absence of positivity where Yunnan animals are actually sold,

https://twitter.com/daoyu15/status/1734220765434921016

is perfectly predicted by the absence of any secondary spillovers in any other Chinese market.

https://twitter.com/washburnealex/status/1728200810964853194?s=46&t=wRQSWp 1VffWmS2vKQwhSA

Where are the 10 other spillovers in 8 other cities for SARS-CoV-2 again? An absence of secondary spillovers is in and of itself evidence of absence of animal infections.

https://twitter.com/daoyu15/status/1727479523778887806?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

And no the 11 SARS1 spillovers happened within 2 months. That is the same timescale from the first market case (beginning of December 2019) to any impact at all felt in the wildlife trade in China (during the end of January 2020 to the beginning of February 2020) in case of SARS-CoV-2. No there is no valid reason to claim that "because they shut down the wildlife trade so swiftly there will be no secondary spillovers".

https://twitter.com/daoyu15/status/1740796866617647522?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

https://twitter.com/daoyu15/status/1727479523778887806

All viral outbreaks of a spillover origin have more than one initial outbreaks in more than one locations.

https://twitter.com/daoyu15/status/1716635021438755037

https://x.com/daoyu15/status/1749084056111689987

This is consistent with the fact that the actual stalls that sold animals from Yunnan are entirely uninfected.

https://twitter.com/daoyu15/status/1708521378092392864

Not even a single SARS-CoV-2 case was linked to any of the intermediate distribution sites and secondary destinations even in Hubei or wuhan of any of the animals that were supplied to the Huanan market, especially given that the each stall have at least 3 distinct live animal suppliers for "susceptible animals" and there are 17 stalls in Wuhan, and the total number of animals sold per week is only ~58 in total.

https://twitter.com/daoyu15/status/1752282114760876096

4 animals at most per shelf life per supplier is not going to eat up the single harvest output of any farm. It will spill into other cities. None observed.

https://twitter.com/daoyu15/status/1748113909700334053

https://twitter.com/daoyu15/status/1694163822473629792?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA



## Coroldo1 @coroldo1 · 18m

Replying to @coroldo1

The communication author of above TED, also the 1st author of this SR, went to the 'epicenter', the exact booth, repeatedly, with documentray close contacts with ppl and wildlife animals, after close contacts with bats, before UP started to arise.





There's absolutely zero data published, showed a SC2 progenitor showed in cave bats in Hubei.

But epidemiological speaking, anyone cross checked the contact history of the author with wildlife traders(who showed symptoms and documented as Covid patients) in HSM during survey?

### onlinelibrary.wiley.com/doi/full/10.11..

Bats collected from May 2018, Separate 2019, Jul 2020 from three different locations in June for an ongoing programme aiming at identifying pathogens in bats......



### onlinelibrary.wiley.com

Bats and their ectoparasites (Nycteribiidae and Spinturnicidae) carry diverse novel ... Bartonella species are facultative intracel...

111 39

111 30



Q 2

## Coroldo1 @coroldo1 · 1h

17

Replying to @coroldo1

'every effort was made to minimize the discomfort of bats, captured bats were sacrificed by inhaling of ethyl ether in the field, and then transported back to the laboratory on ice asap... Thoracic and abdominal organs of bats were collected.'

0



## Coroldo1 @coroldo1 · 54m

17

Replying to @coroldo1

So, unlike Junhua Tian in WCDC, who was cleared by statements and no existing evidence of travel bats back to Wuhan

These authors actually brought the bats back and dissected in their own lab(s), and stored frozen bats for their ongoing bat pathogens programme, whatever that is.

Q1

17

0

11 33

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1

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### Coroldo1 @coroldo1 · 30m

Replying to @coroldo1

Despite the tedious facts such as: one author's institute had two campus, one is in Wuchang;

The merge of two schools in 2003 and upgraded in 2010 actually left employees from each school a different list of designated hospitals for medical insurance coverage if they went

	Replying where the parked no all over in There we	ot more discret cluding camer	et, but an inner te than open m as from oppos spections fror	lane for mini carg nain roads where C ite sides of the str n year to year sucl	CCTVs eet?
	Q 1	<b>t</b> ↓	$\bigcirc$	ıl <sub>ı</sub> ı 50	1
	*experien (4)the ani (5) with p		rners and mark ft seemed like information, t areas research	from rabbits. he only person wh visit history, plus	
	Q1	tì	$\bigcirc$	ıl <sub>ı</sub> 56	<b>1</b>
86	Replying Sep 2019 routine m with close	onthly visits to	n) , plus docum o wildelife stall Imans and ani	nentary evidence o s in markets in Wu mals till the latest nself.	ıhan
	Q 2	t]	$\bigcirc$	ıl <sub>ı</sub> l 103	土



## nature.com/articles/s4159...

The corresponding author, Zhao-min Zhou, was a police officer in national Forestry for 6 yrs, in charged of pangolin smuggling investigation, before joined CWNU. PhD studied bats in Kunming.



nature.com

Animal sales from Wuhan wet markets immediately prior to the C... Scientific Reports - Animal sales from Wuhan wet markets immediately prior to the COVID-19 pandemic

#### 3.3 讨论

2012年11月,云南省墨江哈尼族自治县通关镇的一个废弃的铜矿矿洞中。 矿工群体中暴发重症肺炎疫情。其中6人感染,共造成3人死亡。中国疾病预防 控制中心、云南省疾病预防控制中心以及其他医疗机构和相关科研单位采集了病 人以及矿洞中輪蜒、老鼠和环境等样本并进行病原检测和病因分析。4名患者艰 拭子和全血标本中,SARS冠状病毒、流行性出血热、登革热(1-4型)、乙型脑 炎及黄病毒、甲病毒病原核酸检测均为阴性(成都军区疾病预防控制中心);4 名病例和4名曾经进入矿洞但未发病人员的血标本检测结果无异常发现(广东钟

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#### 编编宿主中新病毒发现及编编冠状病毒 HKU9 受体的探索

南山实验室);对矿洞内编艇进行解剖,对编艇类便进行检测,均未发现异常(中国科学院武汉病毒学研究所)4名病例血液标本检测结果显示:4人均携带 SARS

2014年10月,我们在这个山洞中采集了87只编幅和1只野鼠,解剖后对各种脏器组织进行检测。从结果看,两份样本为冠状病毒阳性,分别为BatCoVHKU7和BatCoVHKU8。这两种冠状病毒目前尚未有感染人的病例报道<sup>[65,100]</sup>。根据文献初步推测,受体也不是常见的SARS-CoV的ACE2和MERS-CoV的CD26受体,可能是APN(Aminopeptidase N)受体。另有两例为博卡病毒阳性,而博卡病毒最初是从儿童重症肺炎样本中发现。同时,9份样本为星状病毒阳性。星状病毒是一种常见的消化道病原,目前没有任何证据表明星状病毒与肺炎或者呼吸道疾病相关。因此,所发现的病毒与这起疫情暴发是否存在相关性。同样需要做很多的后续工作来进行论证。

对于我们实验室而言,病原的快速检测还处于探索阶段,平台建立尚未完善。 目前,只设计了针对 10 个科成属的通用引物,未来需要设计更多的通用引物并 在实践中尝试和强化,以期涵盖尽可能多的病毒范围实现突发疫情中的快速反 应

歷江县废弃矿洞中疫情暴发,有一个细节值得我们注意。在此次疫情之前, 曾有多人多次进出这个废弃矿洞,但是未有疫情发生。这种现象提示我们,有必 要对某些特定的生态环境进行跨年或长期的监测,以了解特定环境或动物群体中 病原的变异和进化,以及这些变化可能造成的跨物种传播。



These are the three available snapshots in Google Earth

- 06-Feb-11
- 15-Feb-15
- 23-Apr-19

And as noticed by @TheSeeker268, there are two new facilities (F1 and F2) which have been built in recent years and could be related

翻译帖子





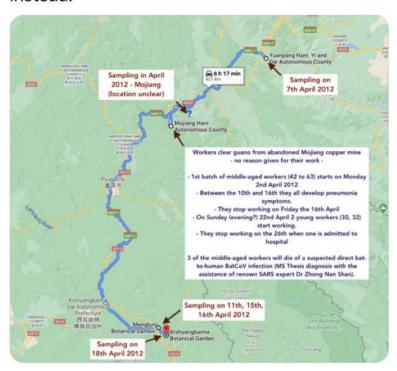
# Gilles Demaneuf 🤣 @gdeman... · 2021/10/2 · · · ·

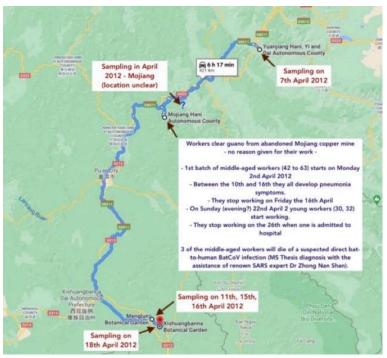
回复 @FabienColombo 和 @R\_H\_Ebright

Yes. Another coincidence.

EHA was sampling around the **Mojiang** mine when the workers were getting infected. They would have driven just a few km from it between two sampling sites.

But EHA never hears of it. They had a sudden epiphany about bat guano infection risk instead.

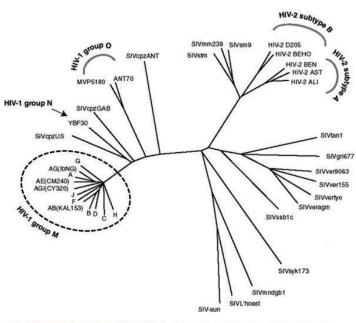


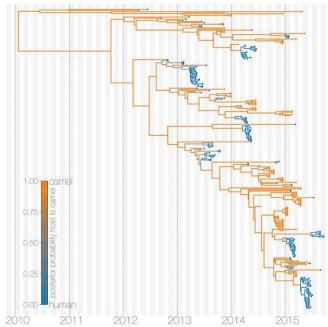


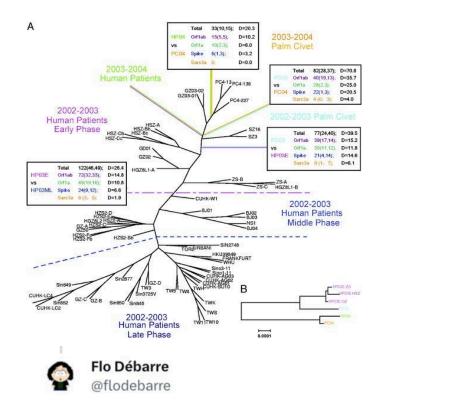










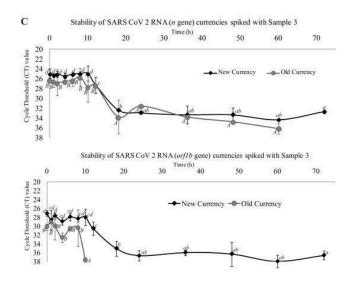


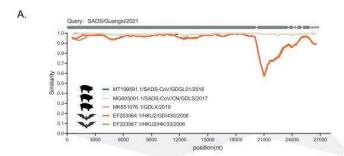
Attention, SARS-CoV-2 n'a pas été détecté chez des chiens viverins. Le matériel génétique des deux a été trouvé dans des échantillons du marché, mais ce n'est pas la preuve que les animaux étaient infectés.

## 由 Google 翻译自法语

请注意,尚未在貉中检测到 SARS-CoV-2。在市场样本中发现 了这两种动物的遗传物质,但这并不能证明这些动物被感染。

下午7:07 · 2023年6月26日 · 39 查看







现呼吸困难。徐冰和同事对他们的病史、接触史进行了调查,发现他们或是在华南海鲜市场工作,或是住在市场附近,"很多病人是相互认识的,有人会告诉我们,亲戚住在哪个医院,状况非常不好"。徐冰发现,这些人有的来自一个家族,有的则是长久的麻将搭子——这些基本上能够判断这是一次聚集性发病事件。

# 件。 Daoyu **a** @Daoyu15 ⋅ May 13 This is again wrong. The highest positive rate of any stall that tested from 01-12/Jan 2020 was actually W4-28. 2/2 samples were positive. In fact the samples from the outside surfaces of W4-26-28 was the highest positivity rate of any sites for Jan01-Jan12. $O_1$ 17 2 ♥ 1 III 2,755 1 Daoyu **a** @Daoyu15 ⋅ May 13 There are 2 samples taken from W4-28 and both were positive by PCR. There are 3 samples from inside of W4-26 and 4 samples from the outside of W4-26. All 3 samples from W4-26 that is positive came from the outside of W4-26. This makes it 5/6 PCR+ samples. On the other hand. Q 1 17 1 0 1 111 159 土 Daoyu a @Daoyu15 ⋅ May 13 W6-29-33 itself have only 3 PCR positive samples and the 1 read or 2 reads close to each other make it impossible to rule out that the samples suffered significant cross-contamination (all that is needed is 1 fragment of ssRNA less than 100nt in length amd 1 fragment of 17 1 企 111 160

Daoyu a @Daoyu15 ⋅ May 13

dsDNA or hairpin RNA less than 100bp in length for Q61 and Q70–falling directly from the neighboring samples After the PCR reaction and during NGS library preparation.)

Q 1 tl 1 🔘 || || 133 🗘



Michael Stand... @msta... · 2021年8月30日 This is the sign next to the gate of the Hubei Wildlife Rescue Center. The rescue center and WIV both declined to comment on their collaboration.



Q 1 **1** 2 0 8 1 More than 18 months later, as G7 leaders call for "a transparent, evidence-based and expert-led World Health Organization or WHO-convened phase 2 study on the origins of COVID-19, that is free from interference" and intelligence services in the United States reveal their findings on the origins of the virus, it remains unclear as to whether the wildlife centre or the zoo were ever questioned as part of investigations into how the disease emerged into the world.



			MATE
Item	Manufacturer	lumber/Descr	Unit Price
Restriction Enzymes small tubes	NE BIO LABS	R0580S	\$72.00
Restriction Enzymes large tubes	NE BIO LABS	R0580L	\$292.00
SuperScript™ III Reverse Transcriptase	FISHER	18-080-051	\$460.00
T4 DNA Polymerase - 750 units	NE BIO LABS	M0203L	\$268.00
Antarctic DNA Phosphatase - 1000 units	NE BIO LABS	M0289S	\$68.00
T4 DNA Ligase	NE BIO LABS	M0202L	\$256.00
GLOVES PF NITRILE SM (100/pk 10 pk/c	FISHER	19-130-1597E	\$249.48
GLOVES PF NITRILE MED (100/pk 10 pk	FISHER	19-130-15970	\$249.48
GLOVES PF NITRILE LG (100/pk 10 pk/c	FISHER	9-130-1597Г	\$249.48
GLOVES PF NITRILE XL (100/pk 10 pk/c	FISHER	19-130-1597E	\$249.48
DMEM with L-Glutamine, 4.5g/L Glucose	FISHER	MT10013CV	\$141.20
Animal per diem for breeder cages	artment of Compartive	hot wash mic	4.2
Animal per diem for experimental cages	artment of Compartive	hot wash mic	8.4

(3) Retrospective test results of animal coronaviruses

Retrospective SARS-CoV-2 NAT was performed on 6811 animal samples collected from Beijing, Shanghai, Jiangxi and Xinjiang from 2015 to 2019, involving species of primates, Carnivora, Artiodactyla, Anciformes and Marabiformes. The results were all negative.

As part of national active surveillance plan of important animal diseases, animal samples were collected every year and these stored samples were retrospectively tested for SARS-CoV-2 after the outbreak of SARS-CoV-2. In December 2019, 2328 samples of 69 animal species, including macaque monkeys, forest musk deer, tigers, camels, bamboo rats, porcupines, goats and guinea pigs, were collected from tourist areas, zoos and artificial breeding sites in Hubei Province. All were SARS-CoV-2 NAT negative (Table 10).

Table 10. Survey of SARS-CoV-2 in wildlife before the epidemic

		Nucleic acid testing Hubei Province	Nationwide
Number species	of	69	14
Specific animals	types of	South China tiger, Raccoon, Siberian tiger, African lion, Stump-tailed macaque, Civet, Red fox, Meerkat, Porpoise, Skunk, Brown bear, Red kangaroo, Red squirrel, Marmot, Porcupine, Fennec fox, Nutria, China rabbit, squirrel, Guinea pig, Bamboo rat, Muskrat, Sika deer, Bactrian camel, Grey wolf, Hare, Mule, Chinese water deer, Lynx, Racoon dog, Asian elephant, Black bear, Leopard, Ring-tailed lemur, Tibetan macaque, African baboon, Panda, Snub-nosed monkey, DeZhou donkey, lion, Pallas's cat, kangaroo, Elk, Giraffe, African elephant, Hippo, White rhinoceros, Zebra, Red panda, Francois's leaf monkey, etc.	Angora ferret, Snub-nosed monkey, Sika deer, Wild boar, Elk, Mallard, Bar-headed goose, Heron, Night heron, Chicken, Duck, Pigeon, Fruit bat, Pangolin etc.
Total size	sample	2328	6811
Test res	ults	negative	negative

(4) Other information on SARSr-CoVs from unpublished studies reported during meetings of the international joint team in Wuhan

 Tests on samples of more than 1000 bats from Hubei Province showed that none was positive for viruses related to SARS-CoV-2 (see Annex F, Table 4).

The animal and environment working group reviewed existing knowledge on coronaviruses that are phylogenetically related to SARS-CoV-2 identified in different animals, including horseshoe bats (Rhinolophus spp) and pangolins. However, the presence of SARS-CoV-2 has not been detected through sampling and testing of bats or of wildlife across China. More than 80 000 wildlife, livestock and poultry samples were collected from 31 provinces in China and no positive result was identified for SARS-CoV-2 antibody or nucleic acid before and after the SARS-CoV-2 outbreak in China. Through extensive testing of animal products in the Huanan market, no evidence of animal infections was found.

6. Of 923 environmental samples in Huanan market 73 were positive; Forty-four of those positive were from the stalls of 21 vendors dealing in the following products: aquatic animals and products (n = 13), cold-chain products (n = 16), poultry meat (n = 6), seafood products (n = 6), livestock meat (n = 5), vegetable products (n = 2) and farmed wildlife meat (n = 1). Sampling and testing of 38 515 livestock and poultry samples and 41 696 wild animal samples from 31 provinces in China during 2018 to 2020 resulted in no positive SARS-CoV-2 antibody or nucleic acid tests. No evidence was found of circulation of SARS-CoV-2 among domestic livestock, poultry and wild animals before and after the SARS-CoV-2 outbreak in China.

#### RNA extraction, DNA sequencing and

analysis. RNA was extracted from a mixture of the beart, liver, spleen and lung from a raccoon dog obtained in October 2006 from a live-animal retail market in Hebei Province, China) with TRIzol (Invitrogen), according to the manufacturer's instructions. RNA was dissolved in 20 µl diethyl pyrocarbonate-treated water and stored at -80 °C.

RNA was reverse-transcribed to cDNA by using a combined gene-specific priming, random-priming and oligo-dT-priming strategy by using SuperScript II reverse transcriptase (Invitrogen). Five overlapping DNA fragments covering the full-length ACE2 gene were produced by PCR using the following primers, which were designed based on the most conserved regions of a sequence alignment of ACE2 genes from ten SARS-associated animals: ACE2F1, 5′-CCGGATCCATGTCAGGCTCTTCCTGGCTC-3′; ACE2F2, 5′-CCGGATCCCTCCTTCAACTTCTTTGTCAC-3′; ACE2F3, 5′-

ACE2 molecules of human (Homo sapiens), civet (Paguma larvata), and rat (Rattus norvegicus) were cloned into a modified pcDNA3.1-cmyc/C9 vector (Invitrogen) and previously described [27.48]. ACE2 protein expressed from this vector has a c-myc tag at the N-terminus and a C9 tag at the C-terminus. An Ag I site was engineered right downstream of the signal peptide sequence (nt. 1-54) of hACE2. The ACE2 molecules of Chinese ferret badger (Melogale moschata), raccoon dog (Nyctereutes procyonoides), Mexican free-tailed bat (Tadarida brasiliensis), hog badger (Arctonyx collaris), and domestic cat (Felis catus) were described previously (Hanxin Lin, Ph. D Thesis Dissertation. "Molecular interaction between the spike protein of human coronavirus NL63 and ACE2 receptor" McMaster University, Health Science Library.

https://discovery.mcmaster.ca/iii/encore/record/C\_Rb2023203\_SMolecular%20interaction%20 between%20the%20spike%20protein%20ntw20human%20coronavirus%20NL63%20and%20AC E2%20receptor%20Lw%3D%3D%3D%20by%20Hanxim%20Lin\_Orightresult\_U\_X4? lang=eng&suite=def). Briefly, ACE2 cDNA was amplified using BD SMARTIM RACE cDNA Amplification Kit (BD Biosciences Clontech). The total RNAs of these animals, except bat, were extracted from the mixture of lung and kidney tissues using RNeasy Mini kit (QIAGEN, ON). The total RNAs of bat were extracted from Tb-1 Lu cell culture. Two cDNA populations, 5'-RACE-Ready cDNAs and 3'-RACE-Ready cDNAs, were synth\_zed from the total RNAs according to the manufacturer's instruction. Overlapping DNA fragments that cover the full-length ACE2 genes were amplified by nested PCR with Pfx DNA polymerase (Invitrogen) with two primer pairs: internal forward primer GSP1 5'-

CCCTTTGGACAGAAACCAAACATAGATGT-3' (nt. 850-878 of multiple aligned ACE2s) and external backward primer S'-CTAAAATGAAGTCTGAACATCATC-ATC-3' (nt. 2395-2418) or universal primer A mix (UPM) that is supplied in the kit; internal backward primer GSP2: 5'-CCRACKATVTYYCGCTTCATCTCCCACCA-3' (nt. 1-29)-1458) and external forward primer 5'-ATGTYVRGYTCHTBCTGGCTCCTTCTCAG-3' (nt. 1-29). The PCR fragments were cloned into pGEM-T vector (Promega, Madison, WI). Three clones of each fragment were sequenced. Based on the determined sequences of specific animal species, forward primers with an Age I site and backward primers with a Kpn I site were designed. These primers were then used to amplify the full-length ACE2s using the overlapping PCR strategy recommended by the manual of BD SMART<sup>TM</sup> RACE cDNA Amplification Kit. The full-length PCR products of ACE2 molecules were cloned into Age I/Kpn I-digested pcDNA3.1-cmyc/C9 vector vector, and subject to sequencing to confirm their correctness. The nucleotide sequence of Chinese horseshoe bat (Rhinolophus sinicus, Rs) ACE2 obtained from NCBI database (KC881004.1) was synthesized and cloned into pcDNA3.1-cmyc/C9 vector with the same strategy.

nipulation of SARS-CoV2. First, there is the absence of identified intermediate hosts after three years of pandemics. Second, why Wuhan? This megapolis where the first cases of Covid-19 were detected is remote from the areas of bat reservoirs. In the early phase of the pandemic, the absence of secondary outbreaks that would have accompanied the trade of living animals is surprising. During the emergence of other recent viral respiratory diseases transmitted by animals on markets, as SARS and H7N9 avian influenza, multiple scattered clusters were observed [32], [33], [34]. In Wuhan and elsewhere, researchers have practiced GoF on sarbecoviruses. According to publications, chime viruses were created in 2015, followed by 8 more viruses in 2017, two of which were pathogenic to humanized mice. All

With its high cross-species transmissibility, SARS-CoV-2 would be expected to quickly reach the human population via intermediate hosts. Extensive spread of SARS-CoV-2 in wildlife has not been observed and in hindsight is not expected. In contrast, SARS-CoV had spread widely from its as-yet-undetermined reservoir into intermediate hosts, such as civets, ferret badgers, and raccoon dogs, and genetically diversified before it made multiple jumps to humans. This possibility was not accounted for by the authors of the preprint (14) that

The "Shunde problem" or "why it managed to infect Wuhan and only Wuhan"—is a problem which all market zoonosis or wildlife farm theories require extremely improbable and hard explanation to answer. https://archive.md/OIGPz https://archive.md//VGPmY Again, We have found direct evidence of lab leak in accidentally published early SRA samples from Csabai et al.

https://twitter.com/daoyu15/status/1668828125617352704

Fact 1: shunde is not a megapolis in 2002.

https://twitter.com/daoyu15/status/1668828125617352704?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

Fact 2: HKU3 and ZC45 are not SARS1/SARS2r-CoVs.

https://twitter.com/daoyu15/status/1686471307230416896?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

Sent from Proton Mail for iOS

2024年3月5日星期二12:01, dzha4225 <dzha4225@protonmail.com> 来信:

Also, please just get this to @ban epp gofroc

https://twitter.com/daoyu15/status/1668828125617352704

https://archive.md/yyX0Z https://archive.md/iw1Pzhttp://archive.md/7doR8 https://archive.md/DChUL

Unfortunately, neither raccoon dogs nor any of the "species found in the wildlife stalls" were reported to be infected in nature at all by any strain of SARS-CoV-2. https://x.com/daoyu15/status/1752888427169657342

Nowhere in the world were any raccoon dogs infected by SARS-CoV-2 any strain at all.

archive.md/DChUL archive.md/4rVph archive.md/yyX0Z archive.md/iw1Pz https://x.com/daoyu15/status/1740374861506310251

None have any rodents in the market ever been infected with a Sarbecovirus on the species level let alone SARS-CoV-2.

https://x.com/daoyu15/status/1749140161923887205

No evidence of Sarbecovirus infections even right next to the bats that carried the closest relatives and the RBD of SARS-CoV-2.

https://x.com/daoyu15/status/1740378156304109889

Nor were any civets or hedgehogs or rodents found infected or even infectable in-vitro by SARS-CoV-2.

https://x.com/daoyu15/status/1756582198235279692

Nor were red foxes or old-world deer infected before Omicron.

https://x.com/daoyu15/status/1756628731769081943

None of the pre- or post- pandemic efforts at sampling malayan porcupines yielded a single positive result for a Sarbecovirus.

https://x.com/daoyu15/status/1756627557066105090

Even the zoos—lions and tigers infected, D614G and Delta strains. 0 porcupines.

https://x.com/daoyu15/status/1756633632016404974

No natural infection detected=no evidence of susceptibility. This is the gold standard for susceptibility estimation.

https://twitter.com/daoyu15/status/1750291356927340611

As expected from this absence of natural susceptibility, correlation failed with porcupines when entering the infamous "wildlife stall A",

https://x.com/daoyu15/status/1708341321969418446

And overall not a single wild mammal species had positive correlation with significant mutual information with SARS-CoV-2 in the market,

https://x.com/daoyu15/status/1750295494377484458

and all metrics where "susceptible species" correlated with any degree of mutual information to SARS-CoV-2 yielded Homo Sapiens as the most correlated in all metrics.

https://x.com/daoyu15/status/1720290396033749336

Every stall have its unique species in the market, and most animals are sold on the ground.

https://x.com/daoyu15/status/1708400523735613950

Unfortunately inside the stall closest to the toilets and main entrance of the market sampled in Jan 12,

https://x.com/daoyu15/status/1704347320949862843

the unique species failed to land on the same sections of the ground as

SARS-CoV-2, unlike the boot prints and suit marks of Homo Sapiens.

https://x.com/daoyu15/status/1706503805079355845

Human sampler contamination smeared out of the toilets and dropped in by the samplers.

https://x.com/daoyu15/status/1744913305540464731

Is the reality of W6-29-33.

https://x.com/daoyu15/status/1748919231935041747

Bleaching the toilets before sampling them would have worked if not for someone seeing and posting an image of it.

https://x.com/daoyu15/status/1743825586290843998

And there is a reason why PCR-/NGS+ or PREDICT ORF1ab-only PCR+/NGS- is unreliable.

https://x.com/daoyu15/status/1745405110732144913

Must be contaminated by a sampler, all below waist height and mainly below step height, in locations where sampler contact is inevitable

https://x.com/daoyu15/status/1745073038981230666

And must not be directly handled by a vendor because the single cell human source is fragile against RNAse 7 degradation

https://x.com/daoyu15/status/1744897774028521789

Is the only rule followed by the market samples.

https://x.com/daoyu15/status/1744899130084737140

Despite all the animal CoVs have remained intact all the way to the end of February 2020,

https://x.com/daoyu15/status/1741320436468826555

No non-artifact SARS-CoV-2 reads survived past 12/01/2020 despite evidence of fecal shedding.

https://x.com/daoyu15/status/1741328752955793547

This is consistent with the SARS-CoV-2 being not found inside any animals.

https://x.com/daoyu15/status/1741400591719678438

An open question on flow cells.

https://twitter.com/daoyu15/status/1749953567035727876

Toilets spread SARS-CoV-2.

https://x.com/daoyu15/status/1749953567035727876

And this is the behavior of human-sourced environmental SARS-CoV-2.

No. Pierce.

https://x.com/daoyu15/status/1756631223588303009?

Unfortunately the animal sampling China didn't lie. RD=not susceptible.

Also, All that "raccoon dog stall" had in it is

Contamination and cross-contamination

http://archive.md/xGHOC

From incompetent samplers.

http://archive.md/FskYn

The reason why in both in Jan01 and Jan12, the stall with most positive https://twitter.com/daoyu15/status/1667155306135298048?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

Samples out of all samples is the stall closest to the toilets.

https://archive.md/rSaO9https://archive.md/ef2JW

Also, inside of the stall "W5/NA" tested negative—it is the toilets and not the stall. Even after they bleached the toilets, the staircase linking to the glasses city upstairs tested positive, as expected from a route which the still-open glasses city would trample in viruses downstairs in the middle of an outbreak.

Sent from Proton Mail for iOS

2024年3月5日星期二 13:25, dzha4225 <dzha4225@protonmail.com> 来信:

https://x.com/daoyu15/status/1749330085771886981?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

When a separate source in 2021 mentioned body bags dumped outside the WIV and then Zhou Yusen dies without a cause, then the indication that he was killed and that he fell down the roof of the WIV simply indicated that he was likely murdered by the mean of being pushed off the roof.

https://x.com/daoyu15/status/1671633678500528128?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

#### RBD recombinant protein-based SARS vaccine for biodefense Former Number Contact PI/Project Leader Awardee Organization 4R01AI098775-05 5R01AI098775-05 BAYLOR COLLEGE OF HOTEZ, PETER JOther Pls MEDICINE ≜ Export | > Disclaimer | Publication Year Similar Publications CitedBy iCite RCR Journal (Link to PubMed abstract) Authors Recombinant Receptor-Binding Domains of Multiple Middle East Respiratory Syndrome Coronaviruses (MERS-CoVs) Induce Cross-Neutralizing Antibodies against Divergent Human and Camel MERS-CoVs and Antibody Escape Mutants. Tai, Wanbo; Wang, Yufel; Fett, Craig 2017 A; Zhao, Guangyu; Li, Fang; Perlman, Stanley; Jiang, Shibo; Zhou, Yusen, Du, Lanying m G (Cite 2.96 Journal of virology 2017 Jan 01: 91 (1) In G Receptor-binding domain of MERS-CoV with optimal immunogen dosage and immunization interval protects human transgenic mice from MERS-CoV infection. Human vaccines & Immunotheraceutics 2017 07 03: 13 (7) 1615-1624 Wang, Yufei, Tal, Wanbo, Yang, Jie; 2017 Zhao, Guangyu; Sun, Shihui; Tseng, Chien-Te K; Jiang, Shibo; Zhou Yuser, Du, Lanying, Gao, Jimin Ⅲ G (Cite 2.31 Cross-neutralization of SARS coronavirus-specific antibodies against bat SARS-like coronaviruses. Science China, Life sciences 2017 12: 60 (12) 1399-1402 Zeng, Lei-Ping: Ge, Xing-Yi; Peng. Cheng: Tai, Wanbo: Jlang, Shibo: Du, Lanying: Shi, Zheng-Li 血 G iCite 1.16 MERS-CoV spike protein: a key target for antivirals. Expert opinion on therapeutic targets 2017 Feb: Du, Lanying; Yang, Yang, Zhou. 21.(2).131-143 Du, Lanying; Yang, Yang, Zhou. Yusen; Lu, Lu; Li, Fang; Jiang, Shibo Optimization of the Production Process and Characterization of the Yeast-Expressed SARS-CoV Recombinant Receptor-Binding Domain (RBD219-N1), a SARS Vaccine Candidate. Journal of pharmaceutical sciences 2017 08: 106 Chen, Wen-Hsiang: Chag, Shivali M; 2017 m G (€te 2.73 in G





曾兵 00 辽宁省大连市委原常委,市人民政府原副市长、党组成员

曾兵(1970年1月-2022年7月23日),四川内江人,1993年7月参加工作,2007年10月加入中国共 产党。生前任辽宁省大连市委常委,市人民政府副市长、党组成员,市委军民融合办(市国防科工 か) 主任(挂职)。(5

2022年7月23日19时55分,曾兵突发疾病医治无效在大连去世,享年52岁。同

中文名 曾兵 男中国 国籍 民族籍贯 汉族

快速 容航 人物逝世

人物履历

曾任德国宝灵曼中国有限公司北京办事处医药代表,荷兰阿克苏诺贝尔集团欧嘉隆科技公司全球总部 国际照职员、荷兰阿克苏诺贝尔集团败嘉隆中国有限公司广州代表外华南地区经理、法国生物梅里埃 中国有限公司广州代表处首席代表;中国生物技术集团公司副总经理,中国医药集团总公司(中国医 药集团有限公司)副总经理,云南省发展和改革委员会副主任(挂职)。[1][4][3]

2018年4月起,任中国医药集团有限公司副总经理、董事会秘书、新闻发言人、政策研究室主任。

2022年6月至2022年7月,任大连市委常委,市人民政府副市长、党组成员,市委军民融合办(市国 防科工办) 主任(挂职)。[1]

人物逝世

2022年7月23日19时55分,曾兵突发疾病医治无效在大连去世,享年52岁。

[1] 大连市人民政府 曾兵、大连市人民政府 [引用日期2022-06-25]

[2] 大连市人大常委会任免名单、大连日报[引用日期2022-06-25

[3] 大连市人民政府办公室关于市政府领导同志工作分工的通知。大连市人民政府。2022-07-15 [引用日期2022-

大家还在搜



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周育森

郑州大学公共卫生学院兼职教授

周育森,男 1966年生,安徽淮北人。博士,研究员,博士研究生导师,中国军事医学科学院微生物 流行病研究所病原分子生物学研究室主任、病原微生物生物安全国家重点实验室病原生物学专业实验

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中文名 周育森 出生日期 1966年 安徽淮北 出生地 学位

学习经历 专业擅长 主要成就

人物介绍

郑州大学公共卫生学院兼职教授,安徽医科大学兼职教授,美国匹斯堡大学客座教授等。担任《中国 医学检验杂志》常务编委和《临床输血与检验》杂志编委,任中国微生物学会人畜共患病专业委员会 委员和中华预防医学会慢性病防治分会肝病防治学组专家、中华医学会感染病分会出血热病学组成

学习经历

1998年毕业于中国军事医学科学院,获医学博士学位,其博士毕业论文获2000年度全国百名优秀博 士论文奖。2000至2003年在美国匹兹堡大学医学院进行博士后研究。

专业擅长

主要从事肝炎病毒和新发传染病病原学和免疫学方面的研究。

主要成就

1996年和1997年在国内率先报道了HGV和TTV病毒的发现和测定了国内病毒株的全基因序列,并进 行了系统的致病性研究。先后获得军队科技进步一等奖和省部级二等奖和三等奖等。先后承担国家自 然科学基金、973课题和863课题等多项课题研究。先后国内外专业杂志发表论文50余篇论文。指导4 名博士研究生和6名硕士研究生。建立的分子病原生物学研究室目前与美国The University of Pittsburgh大学、Paris University XI大学、NeW York Blood Center和香港大学等联合进行研究生和博 士后的培养和科研合作。

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### 大家还在搜

餐饮厨房油烟净化器	桌椅租赁一般一天多少钱	
一台制氧机多少钱	日本纳豆的功效与作用	目录
苹果15怎么截图	虫草多少钱一颗	TΔ





"A highly decorated military scientist, Zhou Yusen...produced a vaccine patent w remarkable speed...The...military vaccine specialist is now understood to hv died, w US investigators having bn told by witnesses he was thrown off the roof of the WI..."

### 翻译推文



msn.com

Risky Experiments Inside Wuhan Lab Created COVID-19, Sensational New Evidence Reveals

13:55 · 2023/6/13 位于 Earth · 592 次查看



Are any of these wrong? No they aren't. Zhou Yusen was verified with the body bags reference. Ben HU lied in front of press on working with live virus. The stories specifically the contents are verified in stead of "disproven".

https://twitter.com/daoyu15/status/1727357840606871865

Yes. Body bags outside WIV match perfectly to Zhou yusen dying from a fall off its roof.

Two independent results.

No official cause of death listed.

Deceased.

https://www.theaustralian.com.au/science/us-paid-chinese-peoples-liberation-army-to-engineer-coronavirus/news-story/4adee56c1433fad332a76ffe043390ea?amp "note:deceased"

https://www.science.org/doi/10.1126/science.abc4730

Unfortunately this time the independent-in-both-space-and-time intelligence results does pan out.

Sent from Proton Mail for iOS

2024年3月5日星期二 18:20, dzha4225 <dzha4225@protonmail.com> 来信:

Hi iboverlord and arkmedic

I have provided info to defeat miller in the rootclaim challenge.

Please also check my other rootclaim titled email to you.

Thank you.

Here are the contents **!** 

https://twitter.com/rootclaim/status/1753353199216439672?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

Just as expected from jurong, mahachai, xinfadi, https://archive.md/GKdtc ,if a superspreading event happen on line 2 of the Wuhan metro, the biggest cluster would always be in the HSM.

https://twitter.com/daoyu15/status/1753584453279187447?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

Another hint: only 5% of all cases are severe or ascertained in early 2020. https://twitter.com/daoyu15/status/1753593531250470983?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

https://twitter.com/rootclaim/status/1758127978763125053?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

QTQRRQSRS is much more likely than QTQTNSPRRARS if recombination yielded the FCS.

https://x.com/kappafannon/status/1753548068526428436?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

When attention to DEFUSE is less than a fake decoy study (similar to Gemini 1.5's hallucination of Hanlen et al), the "assessment" is worthless. Still unable to reach "consensus".

https://x.com/inwuchang/status/1753551174869938669?s=46&t=wRQSWp\_1VffWm S2vKQwhSA

Dark money and academic extortion (cutting off NIH funds and disciplining academic goals) were used by the zoonati to pressure any experts that don't believe in their cause. This is similar to how political correctness and liberalism prevented white people from being properly described by Gemini 1.5.

https://x.com/daoyu15/status/1753613102388494672?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

The reason why people with more familiarity in the zoonosis texts voted less likely for zoonosis is because they did not operate on knowledge but on financial interests—even non-targeted experts like @jbkinney were being extorted to give up lab leak promotions or beliefs on financial and academic grounds.

https://gab.com/Flavinkins/posts/108971775263920617 Thus good conscience voting favors less to zoonosis and more to lab for whatever conscience left in them which none have really read any of the texts, or DEFUSE at all (any familiarity level below the fake decoy study are not real familiarities but just random fills).

https://x.com/daoyu15/status/1751409799709790308?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

https://x.com/billybostickson/status/1752248539076510083?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

And then. Real polls on people that are aware:

https://x.com/billybostickson/status/1752247037557690444?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

Speaking out on lab origin in the field of experts carries a huge professional risk—the NIH and the EHA especially on virology and epidemiology have all its money to specifically pressure anyone (which emails in the professional domain are not exactly private among the domain, and which most "anonymous surveys" online are more than less likely baited to take personal info) by the institution against promoting lab origin content, most commonly under the threat of ending further funding and many times, if the expert have a higher probability of speaking out (which personal beliefs aren't really truly isolated between private and public), excommunication. https://gab.com/Flavinkins/posts/109447563442978822

The funding agencies also have a huge complicit and therefore a huge financial interest to prevent the peer-review of lab origin promoting content and to financially and academically extort any experts into giving up their belief or stopping any promotion.

https://x.com/daoyu15/status/1754790059495006520?s=46&t=wRQSWp\_1VffWmS2 vKQwhSA The more financially dependent one institution is (especially on foreign funds) the more incentivized an institution would do the same.

https://twitter.com/daoyu15/status/1752903350507512190

Bleach the toilets, spray the stalls, try as hard as you can.

https://twitter.com/daoyu15/status/1752898622901899488

Some eyewitness reports and some pictures eventually come out,

https://twitter.com/daoyu15/status/1752895624473678055

And all your efforts would end up bite back on yourself.

"A redundant 0.01 factor was added for requiring WIV to have an unpublished backbone with 98% nucleotide similarity to SARS2. There is no such need. Since our prior was defined as a novel coronavirus pandemic, then all we need to estimate is the probability that a virus capable of that existed in WIV. Specifically, since DEFUSE describes searching for hACE2 matches and adding FCS, then the only question is whether WIV held a virus with a good hACE2 match.

We know BANAL-52 is identical in the RBD to SARS2, so if a relative of it was collected then they have a backbone and we're done. But we should expand that to any virus with an hACE2 match, even one with 80% similarity to SARS2, so it's very reasonable that at least one will be found. We gave this 50%.

Another way to look at this mistake: If we arbitrarily limit the engineered backbone to have 98% similarity to SARS2, we should apply the same limitation to the zoonotic progenitor, meaning we should discard from the prior any pandemic that is caused by viruses that doesn't use hACE2, or those with good hACE2 match but using a different genetic sequence.

If we place this requirement on both hypotheses, the effect cancels out."

https://blog.rootclaim.com/rootclaims-covid-19-origins-debate-results/

Also: only wild mice make 501Y, not hACE2 mice.

https://twitter.com/john\_bumblebee/status/1742592460491014225?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

"Humanized mice will attenuate the FCS"="humanized mice will generate the exact PRRAR site".

https://twitter.com/daoyu15/status/1742600092606136416?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

Also reality: it was not "out of frame". SARS-CoV-2 uniquely have two dS changes compared to all other QTQTNS genomes after the last Cysteine before the first S cleavage site.

https://twitter.com/daoyu15/status/1745797467642487081?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

Shi put it in S2

https://twitter.com/daoyu15/status/1745801964858786100?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

And the Proline is so you can grow it into a stock in VERO E6 cells (VOCs or P681 mutants have growth defects in VERO cells)

https://x.com/daoyu15/status/1745753741251510627?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

The PRRVR from mouse-passaged MERS-CoV.

https://x.com/daoyu15/status/1751911405937193351?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

https://x.com/daoyu15/status/1749741366635012244?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

https://x.com/daoyu15/status/1749736275450417311?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

Remember those VERO-CHO?

https://x.com/daoyu15/status/1749740263965172209?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

https://x.com/daoyu15/status/1749741366635012244?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

Yes. The VERO signature FCS deletions (forms at significant fractions of the QS when cultured in VERO) were actually found in Wuhan patients.

http://archive.md/GKdtc

And well this is how SARS-CoV-2 outbreaks in Asia behaves:

https://gab.com/Flavinkins/posts/108660565659228071

Start with frozen VERO-CHO.

https://twitter.com/daoyu15/status/1749734332665651406

https://twitter.com/daoyu15/status/1723738450078396809

https://x.com/daoyu15/status/1750115717871980793?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

End with all 4 asian 2020-2021 outbreaks at frozen fish markets on primary transportation hubs.

No. The "game street" is now completely gone.

https://x.com/daoyu15/status/1750104013457002932?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

Pretending there are infected animals required a grand conspiracy to also cover up all the secondary human outbreaks especially given that SARS-CoV-2 always generate outbreak in the naive human population after any spillover, if infected animals contacted humans any point in the trading route. There is no fizzling out for SARS-CoV-2 in the absence of NPI in Dec2019-Jan2020. And no there is zero cases at all linked to any other animal markets in China, even those known from leaks and gossip.

https://x.com/daoyu15/status/1750141549030056395?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

No that "thailand lab" did not engineer BatCoVs.

https://x.com/daoyu15/status/1750100376030699567?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

https://twitter.com/daoyu15/status/1733792251669786633

Note that these sequences notably did not contain coverage to the FCS.

https://twitter.com/daoyu15/status/1722061305195208921

And that WA1->A->B have happened independently at least 5 times in the WA1/UW cluster.

Leaked SRA data included both the exact kind of viruses that they claim will not be present in the WIV—and the exact SARS-CoV-2, WA1, cultured in a CoV-specific tailored fusion cell line VERO-CHO never used in China and sequenced before even a sample of WA1 can be taken in China, alongside C/C and B, at high passage depths, and contained within it residual human DNA not from anywhere in central China but in stead right where they were sampling from the 2018 "pathogen host adaptation and immune intervention" grant—the belt and road regions.

https://twitter.com/daoyu15/status/1737318515353501739?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

Continued EHA human sampling=Yunnan and belt and road DNA.

https://twitter.com/biophysicsfl/status/1737114987146174846?s=46&t=wRQSWp\_1V ffWmS2vKQwhSA

Isolate if possible=special unpublished VERO-CHO cells.

https://twitter.com/daoyu15/status/1737399622509928510?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

And it was sequenced before the first public sequencing of SARS-CoV-2 with this machine type by the flow cell, confirmed via Sangon policy and Chinese law, and before+not matching any samples of WA1 was even taken in China.

https://twitter.com/daoyu15/status/1738903987381031326?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

And this exact CAS special project mirroring of DEFUSE+Year 5 extension—sample humans from belt and road area, isolate and engineer viruses for infection characterization, and create vectorized and nanoparticle vaccines that are capable of bringing in both backbone and Spike into bats studied in and released by the WIV, and into the main sample storage facility of the WCDC.

https://twitter.com/daoyu15/status/1726529108811874621?s=46&t=wRQSWp\_1VffW mS2vKQwhSA

Also: in the set of WA1/WA-UW samples, it have been discovered that the determinants of WA1 is highly unstable—it is not uncommon to find inside this cluster including cultures grown from this cluster that have shown signs of 3037C->T, 29095T residuum, 18060T->C and 8782C->T and 28144T->C, all appearing independently in the quasispecies.

A single leak of WA1 that mutated afterward causes all of the early lineages.

https://twitter.com/daoyu15/status/1726531984288334216?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

Which are all found in the same culture from Csabai et al. WA1, A, C/C and B are all found in the same VERO-CHO culture where the only human sequences are found in the belt and road region but not Wuhan. None of the 3 (belt and road humans, CHO, WA1) are ever published in China for SARS-CoV-2 isolation or culture. And belt and road humans as an NGS sample in 2019-2020 is related only to viral sampling under the "病原体宿主适应与免疫干预" grant.

https://twitter.com/daoyu15/status/1491651835584675845?s=46&t=wRQSWp\_1Vff WmS2vKQwhSACsabai et al also contained T22657C, T3346C, A21562C and G487T. all of which is in RaTg13 but not in WuHu-1. also T1963C and T22963C in BANAL-52. Significant culture mutations have occurred inside Csabai et al which likely contained samples co-sequenced at different passage depths. not all of the reads were H655Y and del I68-T76.

(Also see this—note all the FCS relevant oddities can also be caused by targeted RNA recombination link.springer.com/chapter/10.1007/3-540-26765-4\_5 followed by cell culture).

https://x.com/daoyu15/status/1731414539324018732?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

https://gab.com/Flavinkins/posts/109640519028841414

It is not just that SARS-CoV-2 Wuhan grows best in VERO cells out of all variants. https://twitter.com/daoyu15/status/1723738450078396809

Some earliest patients harbored inside their QS specific S1-S2 deletions that can form only in VERO E6.

https://twitter.com/daoyu15/status/1730690080950596017

https://twitter.com/daoyu15/status/1726769717497696562

The WCDC and the Hubei CDC stores all of the human samples and backups of research cultures of pathogenic microbes in Wuhan, as this is their legally delegated duty and that labs in China are not allowed to store such cultures except several select state key laboratories. Since 2014, the only EID surveillance target in Wuhan is the HSM which all other sites are kept blind so that they can blame Huanan in case the research labs suffer an accident.

After an initial release from the WIV that caused Chen's infection, and eventual transmission to the HSM via line 2 of the Wuhan metro, they mobilized the WCDC in 20-22/12/2019 to begin tapering with the environmental samples and prepare for any needed scapegoat action.

That mobilization ended up causing an infection of a WCDC worker with an aliquot of a sample containing WA1, A and B in the same quasispecies, which then go on infecting all of the earliest lineage A cases in Wuhan.

https://twitter.com/daoyu15/status/1703438297983561793?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

https://twitter.com/daoyu15/status/1726526722831683601?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

The idea that "lineage A is in the market" hinges on A20. It is debunked by the absence of vendor gloves in the stall, presence of sampler PPE, inconsistency between 2021-2023 in viral read and fractions and inconsistency between 03/03/2023 and 26/03/2023 in host read fractions. Amplicon sequencing doesn't alter host fractions.

https://twitter.com/daoyu15/status/1739419702143881342?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

https://twitter.com/daoyu15/status/1704216164560449822?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

In fact, guess what is consistent with this observation? The introduction of human hosted lineage A genomes into the viral amplicon run but not the metagenomic run archive.ph/ANS4Q and improbability of vendor origin for A20 predicts that lineage A is being grown inside the WCDC, and likely caused human infections. And behold, all 3 of the samples are linked tightly and directly to the WCDC.

https://twitter.com/daoyu15/status/1705344605401800804?s=46&t=wRQSWp\_1Vff WmS2vKQwhSAA hotel right nextdoor to the new lab site, a location on the same route as the lab's November-December movement (spilling aerosols everywhere on the road) and an admitted infection and seropositivity with no direction deducible for the "family cluster".

Chen lived in Shidong. Even by the annexes indicating his history. The only thing they did is that they moved him to Jianghan close to the market on the WHO maps. https://twitter.com/daoyu15/status/1672404501129756673?s=46&t=wRQSWp\_1VffW mS2vKQwhSA

And no there is zero contact with the wildlife trade for the first market patient Mrs Wei either.

https://x.com/daoyu15/status/1746808849384845582?s=46&t=wRQSWp\_1VffWmS2vKQwhSA



## Holtz 🐶 @Biorealism

Feb 19

Do you have any notes about errors made through the debate? You might be one of the few people to have watched the whole 18 hours. I've seen a few that Miller made have been pointed out by @ban\_epp\_gofroc and @Ben\_Kuebrich.

●2 131 991 ♥6



### Ben Kuebrich @Ben\_Kuebrich

Feb 19

If you read the judges notes, they got caught up on the lack of virus backbones for engineering.

Guess they bought into Peter's misinfo about mutations from lab culture and humanized mice.

● 2 t 2 55 ♥ 14



## Ben Kuebrich @Ben\_Kuebrich

Feb 19

They talk about retrospective studies not showing evidence of circulating COVID before the HSM super spreading event. What they don't mention is that those studies didn't find evidence of COVID until the first week of January, weeks after HSM so they're clearly underpowered

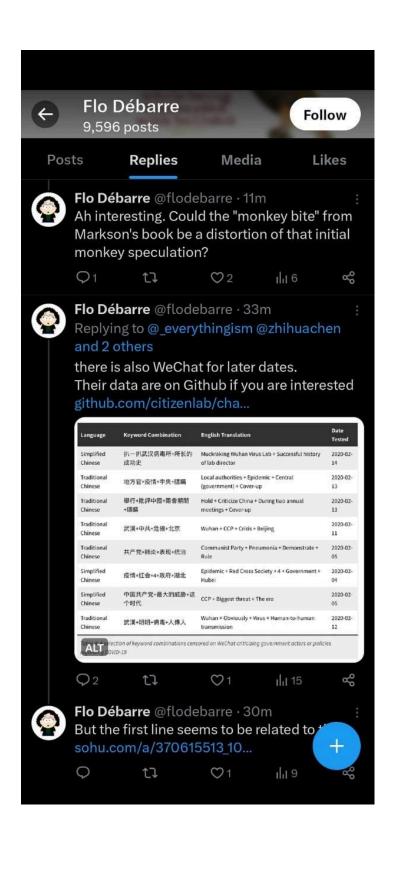


### Ben Kuebrich @Ben Kuebrich

Feb 19

I am glad that the judges understood the significance of a clean insert (since Saar explained it incorrectly)

●1 t3 55 ♥1



12月31日一早,多名身着防护服、背着喷雾器的防疫人员出现在华南海鲜市场里消毒,让人们回想起2003年 SARS来袭时的场面。SARS全称为"严重急性呼吸系统综合征",于2002年在中国广东出现,此后迅速扩散至全国乃 至全球,最终造成超过8000人感染,774人死亡。

事实上,这天上午,国家卫健委一个专家组即抵达武汉。当天中午1点左右,武汉市卫健委首次公开发布通报称,近期部分医疗机构发现接诊的多例肺炎病例与华南海鲜市场有关联,目前已经发现27例,其中7例病情严重,其余病例病情稳定可控,有2例病情好转拟于近期出院。

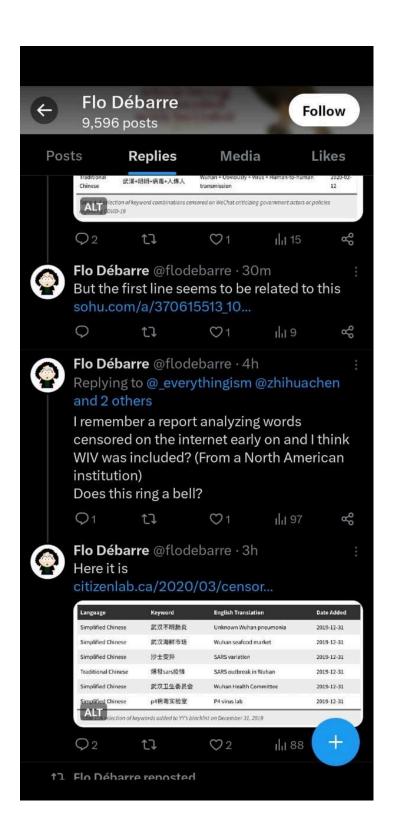
2020年1月1日上午8时,华南海鲜市场出现落款为"武汉市江汉区市场监督管理局"和"卫生健康局"的休市整顿公告。该公告称:根据国务院《突发公共卫生事件应急条例》等法规条例的规定及武汉市卫生健康委关于肺炎疫情的情况通报,经研究决定对华南海鲜批发市场实行休市,进行环境卫生整治,请广大商户积极配合。

当天休市前,华南海鲜市场大部分商户还在营业。财新记者在现场看到,身着白色防化服的工作人员出现,准备进一步消毒。大部分商户只好收拾店面陆续离开,时有工作人员在市场里催促收摊。休市后,商户们聚集在市场外的路上,对突然休市和肺炎传闻议论纷纷。

1月2日,大量环卫工人在华南海鲜市场进行清洁作业,市场门口沿街排水沟渠的污泥也被挖出。财新记者在现场看到,身着防化服的人员在市场各处采样。其中,西区七街附近作为消毒重点区域,检疫人员对每个门面逐一搜集、提取检测物质。







现呼吸困难。徐冰和同事对他们的病史、接触史进行了调查,发现他们或是在华南海鲜市场工作,或是住在市场附近,"很多病人是相互认识的,有人会告诉我们,亲戚住在哪个医院,状况非常不好"。徐冰发现,这些人有的来自一个家族,有的则是长久的麻将搭子——这些基本上能够判断这是一次聚集性发病事件。



### Daoyu **6** @Daoyu15 ⋅ May 13

This is again wrong. The highest positive rate of any stall that tested from 01-12/Jan 2020 was actually W4-28. 2/2 samples were positive. In fact the samples from the outside surfaces of W4-26-28 was the highest positivity rate of any sites for Jan01-Jan12.

Q.

t] 2

0 1

1 2,755

1



There are 2 samples taken from W4-28 and both were positive by PCR. There are 3 samples from inside of W4-26 and 4 samples from the outside of W4-26. All 3 samples from W4-26 that is positive came from the outside of W4-26. This makes it 5/6 PCR+ samples. On the other hand.

0 1

17 1

0 1

111 159

1

### Daoyu 6 @Daoyu15 · May 13

W6-29-33 itself have only 3 PCR positive samples and the 1 read or 2 reads close to each other make it impossible to rule out that the samples suffered significant cross-contamination (all that is needed is 1 fragment of ssRNA less than 100nt in length amd 1 fragment of

0

17 1

0 1

160

1

### Daoyu a @Daoyu15 ⋅ May 13

dsDNA or hairpin RNA less than 100bp in length for Q61 and Q70–falling directly from the neighboring samples After the PCR reaction and during NGS library preparation.)

Q 1

17 1

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111 133

,1,



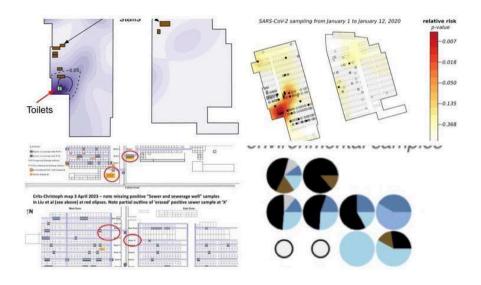


DEFUSE grant proposal, 2018



Hanlen et al., 2022

Which is also why in both Jan 01 and in Jan12, the stall with the most positive samples out of all samples is the stall closest to the toilets— W4-26(2/2) and outside of W4-26-28(5/6 or 5/9 for all samples W4-26-28) for Jan01, W6-29-33(5/10) in Jan 12 is closest to the toilets.



## Daoyu **a** @Daoyu15 ⋅ 2023/5/13

This is again wrong. The highest positive rate of any stall that tested from 01-12/Jan 2020 was actually W4-28. 2/2 samples were positive. In fact the samples from the outside surfaces of W4-26-28 was the highest positivity rate of any sites for JanO...

14:03 · 2023/5/29 位于 Earth · 2933 次查看

Why "P4 virus lab" was among the banned words on Wechat in 31/12/2019? <a href="https://x.com/daoyu15/status/1755183328825680307?s=46&t=wRQSWp\_1VffWmS2">https://x.com/daoyu15/status/1755183328825680307?s=46&t=wRQSWp\_1VffWmS2</a> <a href="https://xwkqwhSA">vKQwhSA</a>

### (In addition to all elements in the WMHC announcement)

12月31日一早,多名身着防护服、背着喷雾器的防疫人员出现在华南海鲜市场里消毒,让人们回想起2003年 SARS来袭时的场面。SARS全称为"严重急性呼吸系统综合征",于2002年在中国广东出现,此后迅速扩散至全国乃 至全球,最终造成超过8000人感染,774人死亡。

事实上,这天上午,国家卫健委一个专家组即抵达武汉。当天中午1点左右,武汉市卫健委首次公开发布通报称,近期部分医疗机构发现接诊的多例肺炎病例与华南海鲜市场有关联,目前已经发现27例,其中7例病情严重,其余病例病情稳定可控,有2例病情好转拟于近期出院。

2020年1月1日上午8时,华南海鲜市场出现落款为"武汉市江汉区市场监督管理局"和"卫生健康局"的休市整顿公告。该公告称:根据国务院《突发公共卫生事件应急条例》等法规条例的规定及武汉市卫生健康委关于肺炎疫情的情况通报,经研究决定对华南海鲜批发市场实行休市,进行环境卫生整治,请广大商户积极配合。

当天休市前,华南海鲜市场大部分商户还在营业。财新记者在现场看到,身着白色防化服的工作人员出现,准备进一步消毒。大部分商户只好收拾店面陆续离开,时有工作人员在市场里催促收摊。休市后,商户们聚集在市场外的路上,对突然休市和肺炎传闻议论纷纷。

1月2日,大量环卫工人在华南海鲜市场进行清洁作业,市场门口沿街排水沟渠的污泥也被挖出。财新记者在现场看到,身着防化服的人员在市场各处采样。其中,西区七街附近作为消毒重点区域,检疫人员对每个门面逐一搜集、提取检测物质。





https://twitter.com/daoyu15/status/1721692065804030381?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

At least four positive samples from the market especially near the entrance of the market are found with neither human cases nor "susceptible wildlife". Not even a single read. These functions as incontrovertible evidence that sampler boots and their sprayers were bringing in the virus into the market.

https://twitter.com/daoyu15/status/1722428958694887858 https://twitter.com/daoyu15/status/1748919231935041747 In fact, it even followed the exact pattern as would be expected from boot contamination brought in from the outside of the market and trampled out from the toilets—More such samples are found south of the W6 junction while some also exist north of it. This is entirely as expected when boots that brought in the virus from the entrance and the toilets first came with SARS-CoV-2 without wildlife material, then many but not all of them then got wildlife material on them when they stepped through the W6 junction.

https://twitter.com/daoyu15/status/1752142052890997051

https://twitter.com/daoyu15/status/1731840299100754197?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

All observations of virologists working at the market without a published sample taken at that date should automatically be considered extremely suspicious. https://twitter.com/daoyu15/status/1722434363042976034?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

https://twitter.com/daoyu15/status/1731838292256309424?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

The most likely reason is that They were dropping in samples in stead of taking them, leading to the observation that only human have a consistent positive correlation or any significant mutual information with SARS-CoV-2 there. An army of cleaning workers and hazmat suited workers armed with cleaning utensils and biological material manipulation equipment seen frequenting "the vicinity of W7" (e.g. W6 and W8) in 02 Jan 2020. There were no samples from W7 in 12/01/2020. And these workers were seen fiddling with the environmental surfaces as they moved, even sludge in the drains were dug up—no samples exist from 02/01/2020. It is more likely that they are planting all of the "positive Jan 12 samples" in stead of sampling them. Of course, convenience to reach by hand and by foot would make an object more likely being tampered with and a positive sample planted in this operation.

https://twitter.com/daoyu15/status/1722434363042976034

Also, neither the early cases data, sample A20, "wildlife stall A" and any other market samples, nor the statements of the WIV regarding viruses or infections are real or untampered with.

https://twitter.com/tylerastepke/status/1721668207486869662

Because Homo Sapiens is still the only species that they can get infected at all, https://twitter.com/daoyu15/status/1703918936843321541

if you zoom in and correlate between animals and viruses, You get animal-specific viruses being correlated strongly positively to the animals,

https://twitter.com/daoyu15/status/1720290396033749336 and SARS-CoV-2 being positively correlated consistently or with significant mutual information only with Homo Sapiens.



Don't follow your logic.

9 Raccoon-dog were inoculated w/100K live SARS2 virions (lineage B), & 6 became infected.

But max titer of SARS2 shed by the 6 was 13,400 live virions, which caused infection in 2 naive RD. However, only 1 of naive RD shed live virus - just 42 virions!

●2 13 55 ♥3



### Ticklicker @Ticklicker56

1h

That 1 nasal swab of previously naive Raccoon-dog (Animal #10) had TOO FEW live virions (42) to perpetuate the infection chain - thus represented a DEAD END transmission.

Animal #11, the other naive RD that was infected by inoculated neighbor, apparently did NOT shed live virus!

●1 t3 JJ ♥2



### Ticklicker @Ticklicker56

1h

Raccoon-dog are NOT social animals, w/male & female primarily defending their territory via scent marking - so opportunity to spread infection would be very restricted.

Also, infectious period was limited to ~3 days after inoculation.

Perpetuating SARS2 infection highly unlikely!

●1 t3 JJ ♥2



### Ticklicker @Ticklicker56

37m

Replying to @Ticklicker56 @JeffNovack1 @Biorealism @breakfast\_dogs @tommy2t45103307 @Rebecca21951651 @WashburneAlex

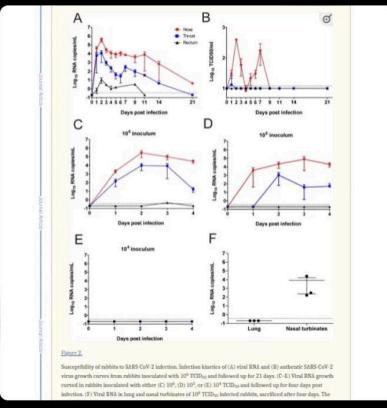
For an "intermediate host" Raccoon-dog to infect human in "single contact", it would need its nasal/oral mucosa to have had direct contact w/massive # of live SARS2 virions (100k?) within only the 3 previous days, & several drops of its snot had to get into human's eyes or mouth.

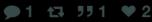


### Ticklicker @Ticklicker56

101

Peter fails to recognize that the titer of inoculating dose of SARS2 lineageB can be critical determinant in whether the resulting infection can be effectively transmitted - as documented in experimental infection study of domesticated rabbits (see Fig 2B,D&E in Mykytyn etal '21)







### Ticklicker @Ticklicker56

10h

FYI, the very same isolate of SARS2 virus was used in experimental infection study of domesticated rabbits (Mykytyn et al '21) as was used in the experimental infection study of Raccoon-dog (Freuling et al '20) - ie, BetaCoV/Germany/BavPat1/2020 (lineage B; w/D614G mutation).

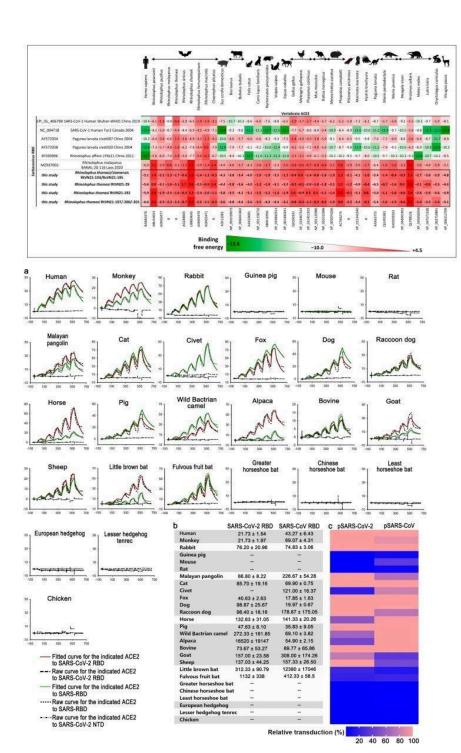
Kristian Anderson 1822

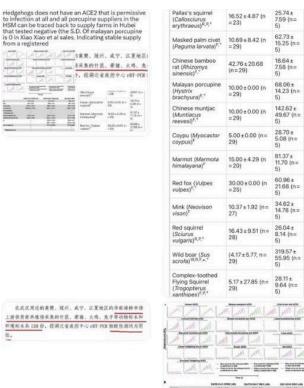
Run same more selection stuff - here are the numbers. Only thing one can really say is that it looks like the SARS spike protein was possibly under positive selection early in the epidemic and that not semething we see with SARS CeV 2.1 had expected diffelt to be lower for ORFs, but here SARS CeV 2 is accusely higher.

Not really sure we can conclude anything from these... It's somewhat intriguing that the solide from SARS-CoV-2 doesn't appear to be under selection at all though - does suggest some sort of precirculation to mo.

Selection pro: \*

OF	F1 Sp	lke
SARS-CoV-2	0.91	0.29
SARS, early	0.81	1.82
SARS, middle	0.68	0.44
SARS, late	0.32	0.51





4	MARY! MARY	I MAN I	1		
I GRU	Big eared horsehoe but ACE2		Intermediate horseshoe but ACE2		Civet ACE2
ponte un	May Man	Mm.	m Mm	Mary Mr	
Respo	Lesser hedgeho	g tenrec ACE2	Mour	e ACE2	Ret ACE2
2000		- 1	1	I My M	Mars Mars
4	European hed	pehog ACE2	Trees were	man kamanan h	THE PERSON NAMED
and a second		/ Jam -	Raw curve for the ind to SARS-CeV-2 RBD Fitted curve for the in- to SARS-CeV-2 RBD	to GXP2V/201	the indicated - Fitted curve for the indicated
			Tim	e (s)	
В		SARS-	CoV-2RBD(nM)	GX/P2V/2017 RBD (	nM) GD/1/2019 RBD (nM)
	Human	1	1.2 ± 0.5	11.9 ± 0.1	13.6 ± 0.7
	Pangolin		4.1 ± 0.5	58.8 ± 1.2	68.7 ± 6.2
	Little brown bat	39	7.4 ± 35.4	200.3 ± 19.5	155.2 a 63.9
	Fulvous fruit bat	234	9.33 ± 179.1	938.4 ± 471.1	1020.7 ± 342.1
	Greater horseshoe				

e bat		-	-	
shoe bat	179.8 ± 4.8	267.0 ± 24.3	311.9 ± 30.3	
rseshoe bat	483.8 ± 45.8	492.0 ± 121.5	927.7 ± 580.2	
		291.3 ± 73.0	120.0 ± 27.1	
	1.00	466.1 ± 124.4	265.3 ± 132.0	
thog	-	2115.3±978.5	710.8±266.4	
	0.00		-	
g tenrec		-	-	

### c. Animal Sampling at the Huanan Seafood Market

In addition to taking environmental samples, 457 animal-related samples from "188 individuals of 18 species" were collected between January 1 and March 30, 2020. 660 According to presentations by PRC public health officials to the WHO, none of the samples tested positive for SARS-CoV-2. 661 PRC officials informed that none of the "animal-related" samples were taken from live animals present at the market:

The sources of the samples include unsold goods kept in refrigerators and freezers in the stalls of [Huanan Market], and goods kept in warehouses and refrigerators related to the [Huanan Market]. Samples from stray animals in the market were also collected, i.e., swab samples from 10 stray cats, 27 cat feces, one dog, one weasel, and 10 rats... All the 457 animal samples tested negative for SARS-CoV-2 nucleic acid, suggesting that the animal infections with SARS-CoV-2 might be rare in the market.<sup>662</sup>

Nucleic Acid Testing	fucleic Acid Testing (NAT)			
	Hubei			
Number of species	10			
Specific types of animals	Bamboo Rat, Porcupine, Duck, Snake, Rabbit/Hare, Chicken Ostrich/Turkey, Wild Boar			
Total sample size	616			
Test results	Negative			

PRC officials denied any illegal live animal sales occurred at the Huanan Market.

MHO, PRC officials identified "10 animal selling stalls in the Huanan Market, accounting for 1.5% of the total" stalls."

MHO-China Report concluded that those 10 stalls sold "animals or products", but that the only live animals sold were snakes, salamanders, and crocodiles. 

More of which are susceptible to SARS-CoV-2, and thus are unlikely to be intermediate hosts. 

MIO there animals were reportedly sold as frozen goods, including bamboo rats, badgers, hedgehogs, sika deer, and porcupines.

Table 6. Family, genus, and species for 559 rodents sampled.

Cricetidae	
Eothenomys cachinus	92
Eothenomys proditor	26
Hystricidae	
Hystrix brochyura	35
Muridae	
Apodemus chevrieri	123
Apodemus draca	1
Apademus latronum	1
Apademus peninsulae	28
Niviventer confucianus	1
Niviventer coxingi	1
Niviventer eha	27
Niviventer fulvescens	2
Rattus tanezumi	2
Vernaya fulva	
Spalacidae	
Rhizomys pruinosus	20
Rhizomys sinensis	188

No rodent samples collected in this study were positive for Coronaviruses or Paramyxoviruses. Field identification of 89% (136/153) of host species (bats) with samples that tested positive for Coronaviruses or Paramyxoviruses was independently confirmed in the laboratory by commercial barcoding using the cytochrome b gene of bat mitochondrial DNA as a marker. Barcoding to identify species of 17 (11%) specimens was not possible due to insufficient sample quantity remaining after RT-PCR assays. Of the 89% tested and confirmed, the field identification was 100% accurate providing assurance that the unconfirmed species (by barcoding) had also have been accurately identified.

All Coronavirus positive samples were collected in four south China provinces (Hainan, Guangdong, Guangxi, and Yunnan), therefore no north-south gradient was discernible. Paramyxovirus positive samples were collected across a greater geographic range in China. Along a north-south gradient, the detection rate was significantly highest ( $X^2 = 7.8372$ , p = 0.005118) in the southern provinces of Fujian, Guangdong, Guangxi, Guizhou, and Yunnan. No correlation was evident between bat gender and detection of either virus ( $X^2 = 0.2638$ , p = 0.607534).

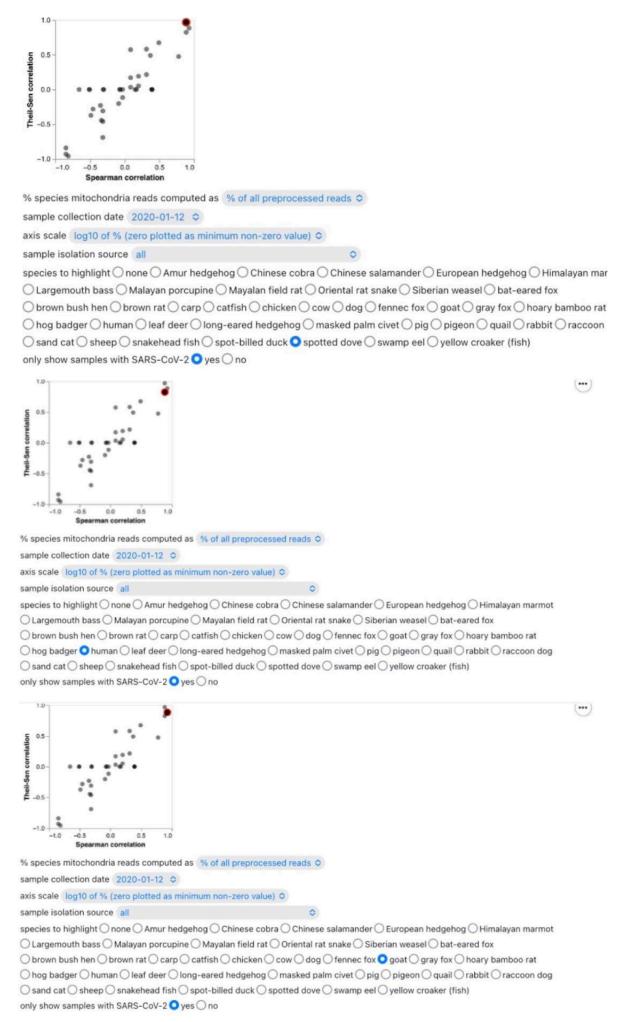
Search "Regional Animal Health Office No. 6 (RAHO6), Viet Nam Department of Animal Health; Viet Nam National Institute of Hygiene & Epidemiology; Wildlife Conservation Society" on GenBank for vietnamese porcupines. Only murine coronavirus, IBV and Alphacoronaviruses were found.

journals.plos.org/plosone/articl...

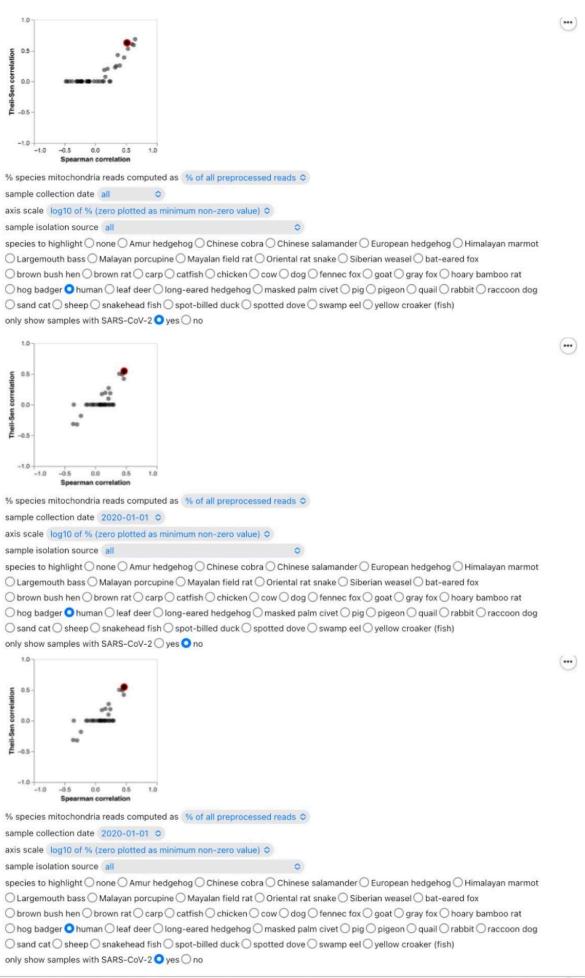
No Coronaviruses were found in porcupines in China,

core.ac.uk/download/pdf/1...

And no Sarbecovirus genomes from genus Hystrix or a SC2r-CoV genome from the genus Nyctereutes (or any Sarbecovirus genomes at all after the SARS-CoV-1 epidemic) have ever been deposited on GanBank anywhere in the world.

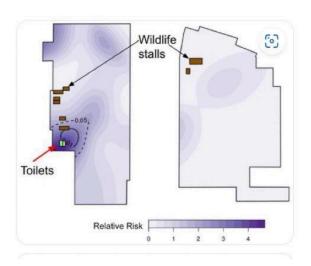


**⊕** 



0.5-

(•••)



There are about 200 reads of canine Kobuvirus in Q61, 20 in Q64, 2 in Q68, 30 in Q69 and 2 in Q70.

Raccoon dog reads are 14338, 150, 29, 77, 21. There are 204, 70, 80, 55, 60 reads of Embecoviruses in Q61, Q64, Q68, Q69, Q70. Bamboo rat and rabbit reads are 746, 294, 505, 36, 85 (the RdRp/ORF1b fragments of Embecoviruses are heavily confusing with each other and are frequently recombinant, meaning that the alignment algorithm does not reliably distinguish between them within this region) There are 12, 21, 3, 1100, 3 reads of Canine Coronavirus in Q61, Q64, Q68, Q69, Q70. Domestic dogs are 1000, 106, 331, 3008. 103. There are 80, 7, 0, 0, 600 reads of Murine Orthopneumovirus in Q61, Q64, Q68, Q69, Q70. The number of Malayan porcupines are 61, 30, 13, 0, 5018.

The number of Civet Kobuvirus is 90, 0, 0, 0, 0 for Q61, Q64, Q68, Q69, Q70.

masked palm civets are 424, 0, 0, 0, 0.

Finally, the number of SARS-CoV-2 is 1, 5, 7, 2 close to each other, 2 dar apart from each other for Q61, Q64, Q68, Q69, Q70.

The number of Homo Sapiens are 21, 47, 164, 38, 12.

Q64, Q68, Q69 are PCR+, Q61 and Q70 are PCR-.

The animals correlate with animal viruses. The



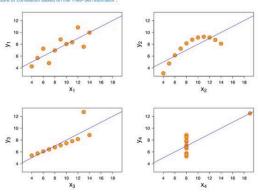
% species mitochondria reads computed as % of all preprocessed reads 0 sample collection date all 0

axis scale (log10 of % (zero plotted as minimum non-zero value) ©

species to highlight \( \) none \( \) Amur hedgehog \( \) Chinese cobra \( \) Chinese salamander \( \) European hedgehog \( \) Himalayan marmot \( \) Largemouth bass \( \) Malayan porcupine\( \) Mayalan field rat \( \) Oriental rat snake \( \) Siberian wessel\( \) bat-ared fox \( \) trown buth hen \( \) Devom nut \( \) Lorg \( \) Centific \( \) Chicken \( \) Cow\( \) Gody \( \) Green from the \( \) Coy \( \) fox \( \) Paya \( \) Fox \( \) hop \( \) bagin \( \) Paya \( \) Fox \( \) hop \( \) bagin \( \) Paya \( \) Anata \( \) Hop \( \) Anata \( \) Coye \( \) Coye \( \) Capta \( \) Paya \( \) Anata \( \) Coye \( \) Coye \( \) Capta \( \) Paya \( \) Anata \( \) Coye \( \) Coye \( \) Capta \( \) Paya \( \) Anata \( \) Coye \( \) Coye \( \) Capta \( \) Paya \( \) Coye \( \) C

# Overall correlation of mitochondrial DNA and SARS-CoV-2 across all samples using Theil-Sen estimator

Each point shows the correlation between the percent of all high-quality reads that align to SARS-CoV-2 and the percent of aligned mitochondrial reads for a specific species taken across all samples. The axes show the Spearman correlation and a management of conditions the state of the State Section 1.



Source: Wikipedia

An alternative to least squares for simple linear regression is Theil-Sen estimation. This more robust method determines the slope of the regression line via the median of the slopes of all lines that can be drawn through the data points:

$$m_{\text{TS}}(x,y) = \underset{\substack{k,l \in \{1,\dots,n\}\\x_k \neq x_l}}{\operatorname{median}} \left(\frac{y_l - y_k}{x_l - x_k}\right)$$



% species mitochondria reads computed as % of all preprocessed reads

sample collection date all O

axis scale log10 of % (zero plotted as minimum non-zero value) 0

sample isolation source (all personner) as sample isolation source (all personner) as species to highlight Onne C Amur hedgehog O Chinese cobra O Chinese salamander O European hedgehog O Himalayan marmo C Largemouth bass O Malayan porcupine O Mayalan field rat | Oriental rat snake | Sherian weasel | Sher-aned fox to brown brain or town rat | Carp | Catfish O chicken | Cow | Gog | Tenne fox | Goal | Gray fox | O hoary bemboo rat | O hog badger O human | Died feet | Iong-eired hedgehog | C masked path of ver | pig | Dipson | Quali | C rabbit | Taccoon dog | Sherian | Carp | Carp



% species mitochondria reads computed as [% of all preprocessed reads  $\varsigma$ 

axis scale | log10 of % (zero plotted as minimum non-zero value) ©

species to highlight () none () Amur hedgehog () Chinese cobra () Chinese salamander () European hedgehog () Himalayan marmot () Largemouth bass () Malayan porcupine () Mayalan field rat () criental rat snake () Sherian wease() Chair-ared fox () brown bush hen () brown rat () carp () catfish () chicken () cow () dog () fennec fox () goal () gray fox () hoary bamboo rat () hog badger () human () lead dew () long-aread hedgehog () masked palm civet (\*\* pig () pigenon () qualit () rabbit () raccord dog

Ong paoger ∩ human ∪eat oeer ∪ long-eaved neegelong ∪ masked pain over **U** pig ∪ pigeon ∪ quali ∪ rabbl o sand cat 0 sheep ○ snakehad fish ○ spot-billed duck ○ spotted dove ○ swamp eel ○ yellow croaker (fish) only show samples with SARS-CoV-2 **Q** yes ○ no



% species mitochondria reads computed as % of all preprocessed reads ©

sample collection date all

axis scale log10 of % (zero plotted as minimum non-zero value) ©

species to highlight \( \) none \( \) Amur hedgehog \( \) Chinese cobra \( \) Chinese salamander \( \) European hedgehog \( \) Himalayan marmot \( \) Largemouth bass \( \) Malayan porcupine \( \) Mayalan field rat \( \) Oriental rat snake \( \) Sibrian weasel \( \) Dati-cared for \( \) brown bush hen \( \) From rat \( \) hen \( \) Even hen \( \) From rat \( \) Hen \( \) From \( \) From \( \) Hen \( \) From \( \) Hen \( \) From \( \) From \( \) Hen \( \) From \( \) From \( \) Hen \( \) From \( \) From \( \) Hen \( \) From \( \) From \( \) From \( \) Hen \( \) From \( \) Fr



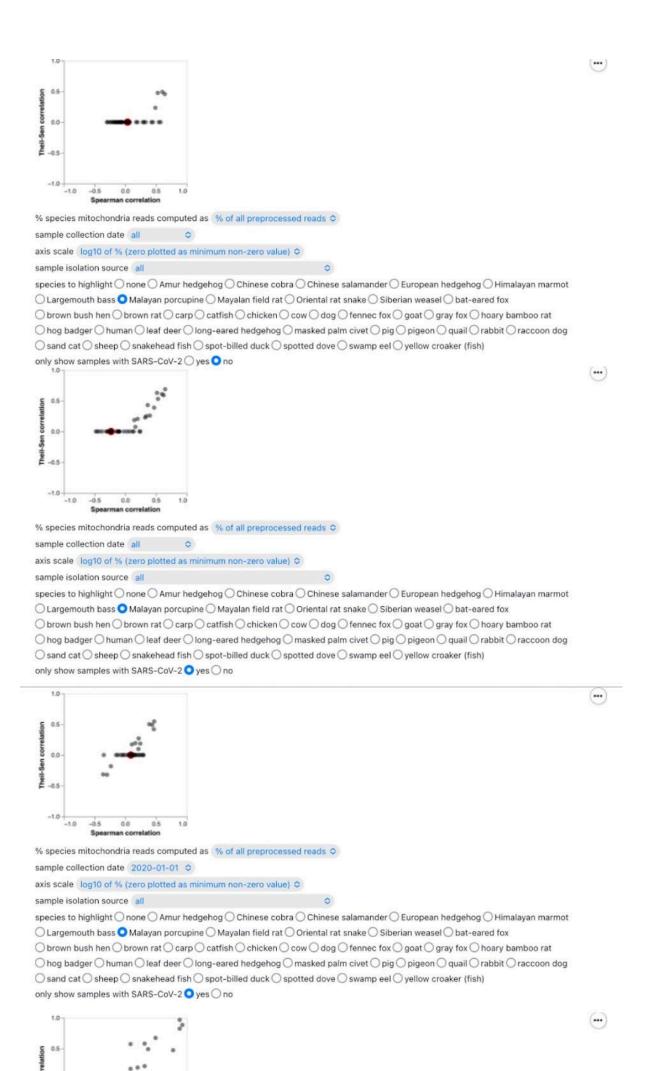
Spearman correlation

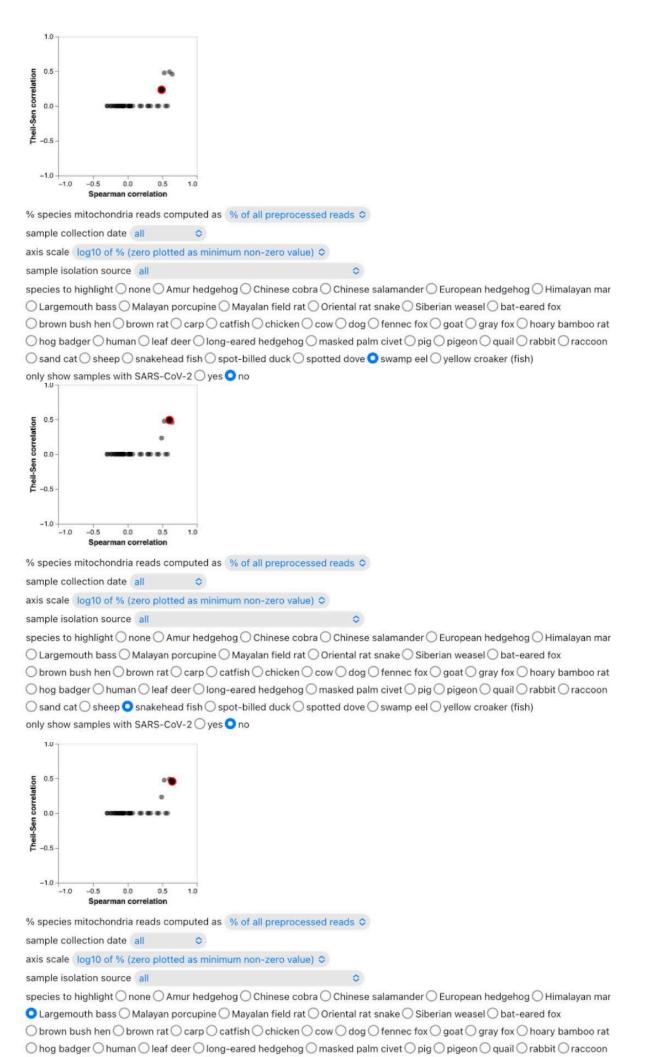
% species mitochondria reads computed as % of all preprocessed reads ○

sample collection date all

axis scale  $\,$  log10 of % (zero plotted as minimum non-zero value)  $\,\circ\,$ 

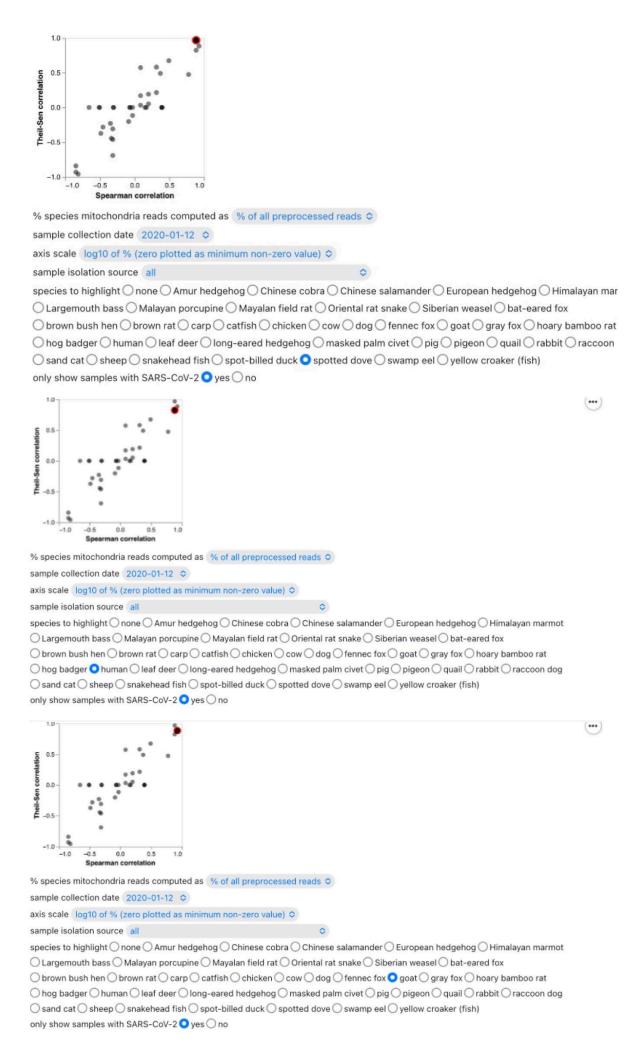
species to highlight (\*) none (\*) Amur hedgehog (\*) Chinese cobra (\*) Chinese salamander (\*) European hedgehog (\*) Hanisayan marmot (\*) Largemouth bass (\*) Maliyan porcupine (\*) Mayalan field rat (\*) Oriental rat snake (\*) Siberian wessel(\*) bat-eared fox (\*) brown brush hen (\*) Brown rat (\*) carp (\*) Carlshi (\*) Chicken (\*) cow (\*) deg (\*) Hennec fox (\*) gead (\*) gray fox (\*) hoary bamboo rat (\*) hop badger (\*) human (\*) leaf dew (\*) Iong-eared hedgehog (\*) masked palm civet (\*) pig (\*) pigeon (\*) quali (\*) rabbit (\*) raccoon dog (\*) sand cat (\*) sheep (\*) snakehaed fish (\*) spot-billed duck (\*) spotted dove (\*) swamp eel (\*) yellow croaker (fish) only show samples with SARS-Col-(\*) Qvs (\*) no

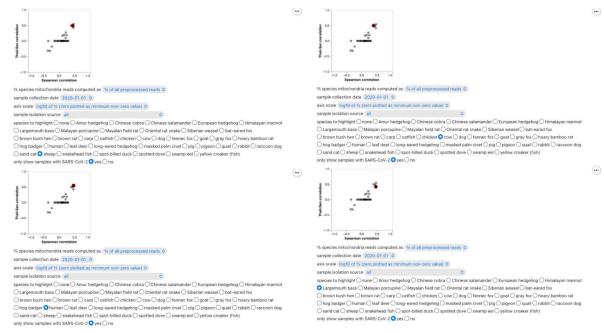












Note that the negative upstream supply farm animal testing results are in fact leaked in as early as 02/2020, when there is no official disapproval to the market theory.

Table 1. Summary of mink farm SARS-CoV-2 monitoring data amassed during a period of 14 months

Voivodeship		(21 December)	2022 (January-March)		Tota	Number of	
	No. of farms	No. of swabs	No. of farms	No. of swabs	No. of farms	No. of swabs	positive farm
Mazowieckie	58	1,160	28	420	86	1,580	0
Podkarpackie	8	160	5	75	13	235	1
Lubuskie	35	700	19	295	54	995	0
Wielkopolskie	117	2,340	87	1,472	204	3,812	I
Zachodniopomorskie	54	1,080	8	420	62	1,500	3
Pomorskie	19	380	1	20	20	400	1
Dolnośląskie	14	280	0	0	14	280	0
Kujawsko-Pomorskie	24	480	0	0	24	480	1
Lubelskie	36	1,120	22	356	58	1,476	2
Lódzkie	6	120	1	15	7	135	1
Małopolskie	7	140	1	15	8	155	0
Opolskie	6	120	0	0	6	120	0
Podlaskie	10	200	0	0	10	200	1
Świętokrzyskie	6	120	13	185	19	305	0
Warmińsko-Mazurskie	1	20	0	0	1	20	0
Śląskie	8	160	0	0	8	160	0
Total	409	8,580	185	3,273	594	11,853	- 11



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Table 2. A summary of the analysis of positive mink farms

No.	Date of sample	Voivodeship	Location	rRT-PCR			
No.	collection	Voivodesnip	Location	Positive/Tested	Ct value range		
w.	16/06/2021	Lubelskie	Wisznice (house 1)	2/20	21.8-25.5		
1	10/00/2021	Lubeiskie	Wisznice (house 2)	1/20	28.9		
2	22/11/2021	Kujawsko-Pomorskie	Kraczki	1/20	28.9		
2			Zieleniewo1	1/20	30.5		
4	30/11/2021	Zachodniopomorskie	Zieleniewo2	13/20	24.7-36.8		
5			Ołużna	19/20	18.9-37.3		
6	01/12/2021	Wielkopolskie	Biadki	18/20	17.6-36.4		
7	14/12/2021	Podkarpackie	Janowiec	20/20	28.1-30.4		
8	15/12/2021	Podlaskie	Kościuki	2/20	32.1-35.3		
9	20/12/2021	Pomorskie	Leżno	10/20	19.1-26.3		
10	20/12/2021	Lubelskie	Kłoczew	5/20	28.9-30.2		
11	20/01/2022	Lódzkie	Stefanów	2/20	20.5-21.8		

Ct - threshold cycle; \* - results for E gene rRT-PCR

Table 3. Results of oral swab and serum sample analysis collected in two houses in Wisznice in the Lubelskie voivodeship

House	Date of sample	C 1	Num	ber	D 1. 0	Prevalence	
House	collection	Sample	Collected	Positive	Results*	(%)	
	16/06/2021	0.11	20	2	21.8-25.5	10	
	19/07/2021	Oral swab	90	1	28.8	1.1	
1	02/00/2021	Serum of kitten	15	15	1.25	100	
	02/08/2021	Serum of adult	15	14	1.64	93.3	
	16/06/2021	0.11	20	2	28.5-30.7	10	
2	19/07/2021	Oral swab	60	0		0	
2	02/08/2021	Serum of kitten	15	15	1.04	100	
	02/08/2021	Serum of adult	15	14	1.25	93.3	

<sup>\* -</sup> results for E gene rRT-PCR/mean OD values obtained using Ingezim ELISA test

Table 4. Molecular characteristics of SARS-CoV-2 detected in farmed mink in Poland in the studied period

Mo	lo. Mink farm	Gisaid ID	Clada	Danca lineara	Nucle	otide	F	Amino	acid
NO.		Gisaid_ID	Crade	Pango incage	substit.	delet.	Frame smits	substit.	delet
1	Wisznice, house 2,	EPI_ISL_3218555	CRITOR	D.1.1	31	0	0	18	0
1	Lubelskie	EPI_ISL_3218557	GR/20B	GR/20B B.1.1 31 31 GK/21J (Delta) AY.43 44 38 GK/21J (Delta) AY.43 40 38 GK/21J (Delta) AY.43 38 GK/21J (Delta) AY.43 41 41 GK/21J (Delta) AY.43 41 41 GK/21J (Delta) AY.126 50 50 RY/20I (Alpha, V1) B.1.1.7 52 GK/21J (Delta) B.1.617.2	0	0	18	0	
2	Kraczki, Kujawsko- Pomorskie	EPI_ISL_7721854	GK/21J (Delta)	AY.43	44	13	0	34	4
		EPI_ISL_8693906			38	13	0	33	4
3		EPI_ISL_8693911	GK/21J (Delta)	AY.43	40	14	1	34	4
	Wisznice, house 2 Lubelskie Kraczki, Kujawsko- Pomorskie Ołużna, Zachodniopomorskie Zieleniewo1,	EPI_ISL_8693912			38	13	0	33	4
4	Zieleniewo1, Zachodniopomorskie	EPI_ISL_8693816	GK/21J (Delta)	AY.43	38	13	0	33	4
	The same and the s	EPI_ISL_8693913			41	13	0	34	4
5		EPI_ISL_8693914	GK/21J (Delta)	AY.43	41	13	0	34	4
	Wielkopotskie	EPI_ISL_8693915			41	13	0	34	4
		EPI_ISL_9640028			51	104	1	37	34
6		EPI_ISL_9640033	GK/21J (Delta)	AY.126	50	107	1	37	34
	roukarpackie	EPI_ISL_9640052			50	107	Frame shifts   substit	37	34
7	Kościuki, Podlaskie	EPI_ISL_9640055	GRY/20I (Alpha, V1)	B.1.1.7	52	37	0	30	11
	I ( D I )	EPI_ISL_9640059	CECHONA	D 1 (172	47	16	0	37	5
8	Leżno, Pomorskie	EPI_ISL_9640062	GK/21J (Dena)	B.1.617.2	45	47	1	36	12
9	Kłoczew, Lubelskie	EPI_ISL_9640065	GK/21J (Delta)	AY.122	41	16	0	32	4
		EPI_ISL_10337406	CD 1 D11 (O : 1		74	53	0	51	12
10	Stefanów, Łódzkie	EPI ISL 10337127	GRA/21L (Omicron)	BA.2	72	53	0	51	12

https://twitter.com/daoyu15/status/1702549289623601162?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

Unfortunately, archive.md/DChUL archive.md/4rVph archive.md/yyX0Z archive.md/iw1Pz Even where robust surveillance systems are in place, raccoon dogs are not infected at all.

Before they begun enforcing their claim of "100/174 centered around the market" https://twitter.com/daoyu15/status/1674351139079479298 and starting to tamper with data to make the claim,

https://ghrp.biomedcentral.com/articles/10.1186/s41256-021-00200-8

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7149375/

135/92 and 115/82 cases already got into in early peer-reviewed papers that went missing in the WHO report.

https://twitter.com/daoyu15/status/1682778742664630272 Past media reports archive.md/Ea0Kw archive.md/1x658 also contradict WHO in key early cases' residences, including the earliest case they admit in the WHO report.

http://archive.md/5sdkR http://archive.md/1pcCU archive.md/N0hib

archive.md/VXtu9 http://archive.is/Kyr1z

https://archive.org/details/mace-e-pai-covid-19-analysis-redacted/page/8/mode/1up And you know that they hate this information when it was censored.

The MACE-EPAI document here is not searchable on google.

https://twitter.com/daoyu15/status/1672399653344808960

Up to one third of all cases were either removed completely or moved toward the market in the "dataset".

archive.md/zUD1F archive.md/Pc6gp https://archive.is/p3K3Z

https://twitter.com/daoyu15/status/1678549054794629120

https://twitter.com/daoyu15/status/1677727068082286592

Including the very first case they ever admitted officially.

https://twitter.com/daoyu15/status/1693985440762929643

And outright removed 4 times more cases than official.

https://twitter.com/daoyu15/status/1677234083389411328

Unlinked cases supposedly secondary to linked cases should cluster around them, not the market itself.

https://twitter.com/daoyu15/status/1744157399479664843

archive.md/GvRcD archive.md/ZgVzp Wuhan authorities after that

archive.md/OIGPz 2014 incident now targeted only the Huanan market when looking for EID outbreaks—and nowhere else.

archive.md/1x658

They tampered with the early cases data

archive.md/Ea0Kw

To make it look like it "started at the market" when in reality the first case they ever admitted lived right next to the WIV BSL-4.

archive.md/5sdkR severe discrepancy happening December 2019 and January 2020 indicate tampering with case counts.

archive.md/1pcCU

This is indicative of catastrophic ascertainment bias was going on.

None of China's "early cases" dataset is credible. <a href="https://archive.md/ET1GA">https://archive.md/ET1GA</a>

https://twitter.com/daoyu15/status/1678057846204960768

https://archive.md/Ea0Kw https://archive.md/1x658

The tampering of early case residence data is systematic and extensive. It is the reason why they refused to provide this data in any detail at all.

https://twitter.com/daoyu15/status/1719518909009981579

https://twitter.com/daoyu15/status/1672404501129756673

Not only did The first every case they admitted live in Shidong right next to the BSL-4, and were moved toward the market in the WHO report in contradiction to all known media coverage, https://gab.com/Flavinkins/posts/109256201942085712 the entirety of Wuchang district was wiped clean for every single WHO case that have onset before 27/12/2019—with up to 3000 cases moved to the market this way over the entire Wuhan outbreak. <a href="https://archive.md/1x658">https://archive.md/1x658</a> and for central Wuchang near the labs and the densest inhabited regions inside the district, all cases were moved away in the WHO map.

https://twitter.com/biorealism/status/1702047444736111042

Unfortunately Rasmussen's work on the origins question rests heavily on what David Relman described as "hopelessly impoverished" early case data.

https://www.washingtonpost.com/national-security/2023/02/27/little-known-scientific-team-behind-new-assessment-covid-19-origins/

https://www.washingtonpost.com/opinions/2022/11/17/covid-early-cases-wuhan-chin a-mystery/ https://archive.md/ke1lp https://archive.md/RaYPC

https://twitter.com/daoyu15/status/1726274673472876584

https://twitter.com/biorealism/status/1726475588289040834

David Fisman: I think the most interesting thing this fellow says is that there are clearly tens of thousands of cases...That implies a much earlier introduction than would have occurred with a seafood market outbreak..."

https://x.com/blink64/status/1747299970460582305?s=46&t=wRQSWp\_1VffWmS2v KQwhSA

https://www.nytimes.com/2021/02/12/world/asia/china-world-health-organization-coro navirus.html

https://archive.md/UFrSv

They systematically moved more than 3000 cases from the lab to the market and gave "cases data" that they wanted to push for market as first outbreak site to distance from the labs.

https://www.researchgate.net/publication/370635299\_Greater\_than\_the\_Sum\_of\_its \_Parts\_-\_Aggregated\_Wuhan\_COVID-19\_case\_data\_points\_to\_the\_wrong\_side\_of \_the\_Yangtze\_River\_-\_Rixey\_-\_20230509

Such an result of having unlinked cases closer to the market than linked cases is not expected even under the null hypothesis of market origin, which we should see unlinked cases secondary to and cluster around the linked cases, and not the market itself.

https://twitter.com/emanymton90/status/1666720918901538824?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

https://www.researchgate.net/publication/370635299\_Greater\_than\_the\_Sum\_of\_its \_Parts\_-\_Aggregated\_Wuhan\_COVID-19\_case\_data\_points\_to\_the\_wrong\_side\_of \_the\_Yangtze\_River\_-\_Rixey\_-\_20230509

Not only there were an complete absence of verifiability in Chinese cases, there is direct non-circumstantial evidence that they moved up to 3000 cases from Wuchang to Huanan.

In fact, it is totally not normal to have unlinked cases closer to the market than linked cases—the only way this can happen is with ascertainment bias. Only near the market gets ascertained if not directly linked to it.

https://twitter.com/emanymton90/status/1580511684912742400?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

Base rate neglect. They did the exact same thing when claiming that all 67 "pre-Huanan checkable cases" were "serologically negative".

https://twitter.com/daoyu15/status/1631705321239629824?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

Again, the social media associated here say "before Jan 18, 2020". Included all Dec cases. https://www.mdpi.com/2220-9964/9/6/402

https://twitter.com/danwalker9999/status/1745106077274828819?s=46&t=wRQSWp 1VffWmS2vKQwhSA

It is actually impossible for unlinked cases, supposedly secondary, to cluster closer to the market than linked cases which supposedly to be primary, without significant sampling bias or outright manipulation in the underlying "data".

https://twitter.com/daoyu15/status/1745090431505854942?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

Both evidently happened.

https://arxiv.org/pdf/2401.08680.pdf

https://archive.md/JVFuc

If you toss away anything that is not officially announced by China in bold, then obviously you would arrive at exactly what China wanted you to believe.

Sent from Proton Mail for iOS

2024年3月4日星期一03:28, dzha4225 <dzha4225@protonmail.com> 来信:

Hi, still get these to @ban\_epp\_gofroc

As for good LL papers, List so far looks like this:

Zoonosis at the Huanan Seafood Market: A Critique

https://zenodo.org/record/7169296

Statistical challenges for inferring multiple SARS-CoV-2 spillovers with early outbreak phylodynamics

https://www.biorxiv.org/content/10.1101/2022.10.10.511625v1

Unwarranted Exclusion of Intermediate Lineage A-B SARS-CoV-2 Genomes Is Inconsistent with the Two-Spillover Hypothesis of the Origin of COVID-19

https://www.mdpi.com/2036-7481/14/1/33

SARS-CoV-2 infection at the Huanan seafood market

https://zenodo.org/record/6300876#.YhtwdN\_jK9w

Statistics cannot prove that the Huanan Seafood Wholesale Market was the early epicenter of the COVID-19 pandemic

https://arxiv.org/abs/2208.10106

https://docs.google.com/presentation/d/e/2PACX-1vQzTj2YutZ8jw7PkOP539mKo1-0 0vT3B9r5CBd5oGWGLKiTgy8Q9NWx8FdlihWtcm0N69EMPvLTN5-i/pub?start=false &loop=false&delayms=3000&slide=id.p2

Should we discount the laboratory origin of COVID-19?

https://link.springer.com/article/10.1007/s10311-021-01211-0

Circular arguments on the origin of SARS-CoV-2

https://zenodo.org/record/7016143#.YwbG2HbMKUI

Dan Walker's critique of mapping data. Not an official paper, but well documented.

https://twitter.com/danwalker9999/status/1560740050408656896?s=20

Wrong Side of the Yangtze River: Did a Map Mistake by the World Health

Organization Contribute to Premature Conclusions About SARS2's Origin?

https://zenodo.org/record/5153950#.YQg4Kz-SIPY

If even @jbkinney was extorted to give up lab leak in public, it is quite clear that the "number of lab leak papers" can not be used as anything that is even remotedly useful let alone "dispositive".

Also, the study itself have funding from, but was not performed nor even supervised by, the effective altruism group. The group have its money being tricked off by the zoonati to conduct a heavily biased "send surveys to your contacts" (e.g. severe sampling bias) decoy study.

#### Rootclaim @ @Rootclaim

Feb 2

HSM is not the only early cluster location under zoonosis. There are other markets with wildlife, and more importantly, SARS1 was repeatedly spilling over in restaurants, not markets. So we can comfortably assert p(HSMIWuhan,Zoonosis)=0.1.

Feb 2, 2024 · 9:44 AM UTC

**●**2 t3 33 ♥8

#### Rootclaim @ @Rootclaim

Feb 2

Meaning that if we assume an outbreak starts in Wuhan due to zoonosis, HSM has a 1 in 10 probability of forming the earliest detected cluster.

●2 13 33 ♥5

#### Rootclaim @ @Rootclaim

Feb 2

Considering the different pieces of evidence mentioned above that indicate human introduction to HSM rather than wildlife, we increase the odds of human introduction by 10x to 0.01.

●1 13 99 ♥7

#### Rootclaim @ @Rootclaim

Feb 2

Therefore, for this evidence to have any value we need to claim there is less than 1% probability that HSM will form an early cluster under the lab leak hypothesis i.e. p(HSMIWuhan,lab-leak)<0.01

**●**2 ti 11 ♥ 5

## Rootclaim @ @Rootclaim

Feb 2

Given the two independent arguments above: a) that there are very few locations in Wuhan so conducive to SARS2, and b) we repeatedly see similar locations forming the first cluster after a zero covid period, 0.01 seems like a highly overconfident claim.

**●**2 t32 55 ♥7



I am leaving @BiosafetyNow. I always knew there was some professional risk to me speaking out, but my advocacy has now become a liability that I can no longer ignore. 1/5

Jan 27, 2024 · 3:49 AM UTC

**●** 106 13 213 99 68 ♥ 926



### Justin B. Kinney @ @jbkinney

Jan 27

Going forward I will also be unavailable for public comment on the origin of SARS-CoV-2, the ramifications for science, and the risks of future labgenerated pandemics. 2/5

● 8 138 115 ♥ 367



Justin B. Kinney 🐶 @jbkinney

Jan 27

I wholeheartedly support the mission of Biosafety Now and am leaving on good terms with @Bryce\_Nickels, @R\_H\_Ebright, and @DrishtiEthics. I am proud of Biosafety Now, its leadership team, and what we have accomplished in less than a year since our public launch. 3/5

**●** 2 1 30 991 ♥ 326



Justin B. Kinney 🕢 @jbkinney

Jan 27

I have especially enjoyed my conversations with reporters, activists, independent researchers, and concerned citizens from across the political spectrum and across the globe. These interactions have opened my eyes to just how parochial we scientists can be. 4/5

● 2 t3 33 55 ♥ 326



Justin B. Kinney @ @jbkinney

Jan 27

If you are a scientist and are concerned about the origin of SARS-CoV-2, the ramifications for science, and the risk of future lab-generated pandemics, \*\*please speak up\*\*. A small number of scientists speaking out on these issues can make a big difference. 5/5



https://twitter.com/jbkinney/status/1751090111733751991

https://twitter.com/WashburneAlex/status/1762481120250061286

https://x.com/daoyu15/status/1753613102388494672?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

https://gab.com/Flavinkins/posts/108971775263920617

https://x.com/daoyu15/status/1751409799709790308?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

https://twitter.com/daoyu15/status/1684315961162342400?s=46&t=wRQSWp\_1VffW mS2vKQwhSA

Direct evidence of lab leak have been found.

archive.md/nyR0q archive.md/OIGPz archive.md/GvRcD archive.md/EzTib archive.md/svZqO archive.md/NMerN archive.md/tlfNr archive.md/ARecg

https://twitter.com/daoyu15/status/1692354502190587938

archive.md/AYhoF archive.md/nAqKp

https://archive.md/RSsS7

https://archive.md/C5oalhttps://archive.md/3WS68https://archive.md/AYhoF

https://twitter.com/daoyu15/status/1679455533743607810

Sent from Proton Mail for iOS

2024年3月4日星期一13:34, dzha4225 <dzha4225@protonmail.com>来信:

Here is my opt-in to win back the rootclaim challenge.

Washburne, maybe you want to join and collate them.

All of them are for posting on twitter.

There is in fact direct evidence of lab leak.

https://twitter.com/daoyu15/status/1733792251669786633

Leaked SRA data included both the exact kind of viruses that they claim will not be present in the WIV—and the exact SARS-CoV-2, WA1, cultured in a CoV-specific tailored fusion cell line VERO-CHO never used in China and sequenced before even a sample of WA1 can be taken in China, alongside C/C and B, at high passage depths, and contained within it residual human DNA not from anywhere in central China but in stead right where they were sampling from the 2018 "pathogen host adaptation and immune intervention" grant—the belt and road regions.

No official explanations have ever been given.

https://twitter.com/daoyu15/status/1737318515353501739?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

Continued EHA human sampling=Yunnan and belt and road DNA.

https://twitter.com/biophysicsfl/status/1737114987146174846?s=46&t=wRQSWp\_1V ffWmS2vKQwhSA

Isolate if possible=special unpublished VERO-CHO cells.

https://twitter.com/daoyu15/status/1737399622509928510?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

And it was sequenced before the first public sequencing of SARS-CoV-2 with this machine type by the flow cell, confirmed via Sangon policy and Chinese law, and before+not matching any samples of WA1 was even taken in China.

https://twitter.com/daoyu15/status/1738903987381031326?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

And this exact CAS special project mirroring of DEFUSE+Year 5 extension—sample humans from belt and road area, isolate and engineer viruses for infection characterization, and create vectorized and nanoparticle vaccines that are capable of bringing in both backbone and Spike into bats studied in and released by the WIV, and into the main sample storage facility of the WCDC.

(Also see this—note all the FCS relevant oddities can also be caused by targeted RNA recombination link.springer.com/chapter/10.1007/3-540-26765-4\_5 followed by cell culture).

https://x.com/daoyu15/status/1731414539324018732?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

https://gab.com/Flavinkins/posts/109640519028841414

It is not just that SARS-CoV-2 Wuhan grows best in VERO cells out of all variants.

https://twitter.com/daoyu15/status/1723738450078396809

Some earliest patients harbored inside their QS specific S1-S2 deletions that can form only in VERO E6.

https://twitter.com/daoyu15/status/1730690080950596017

Also, what is a live animal after being left without water or food for a month before sampling?

Do they become dead animals?

It is a simple explanation.

The absence of intermediate animals is nationwide in all of China, and not just in the Huanan market. They could never get a market animal to be blamed because there is none. Thus they can also not release the market data because that time it can not be used to support any species, hence they even went as far as to blame the pangolins, a species that does not exist in Wuhan.



#### THE REALITY OF BAT RESEARCH IN CHINA



Interview with patient recovered from COVID-19

- The patient in the COVID-19 reporting system with the earliest date of onset date (8 December 2019) agreed to a face-to-face interview with the joint international study team.
- The WHO team asked some questions about the patient's history and family and were told that the
  person was an accountant by profession and worked for his family company.
- While details of the interview are not disclosed here to protect the person's privacy, the interview
  found no evidence for high-risk exposures (wild animals, mass gatherings, contacts with healthcare
  settings, contact with symptomatic individual, travel, etc.). The person mentioned one relative
  working in a healthcare setting, and one relative visiting a local market, but there were no illness
  reports related to these locations at that time. The person commuted to work by public transport, and
  had not travelled outside Wuhan.
- The WHO team was told that earlier potential cases were given the opportunity to be interviewed, but were unwilling or unable to attend.

<

# 今日头条







## 武汉发布

35分钟前·武汉市委、市政府官方账号



网友@本地号外 提问:#提问武汉#请问目前 已知最早发病的患者情况如何?该患者具体什 么时候发病的?是否曾有过华南海鲜市场接触 史?

武汉市新冠肺炎防控指挥部医疗救治组回复:据查询信息系统,我市登记报告最早的新冠肺炎患者为陈某,发病时间为2019年12月8日,经医院救治后痊愈出院。患者居住在武昌某小区,否认去过华南海鲜市场。

1

# 今日头条

C





#### 本地号外

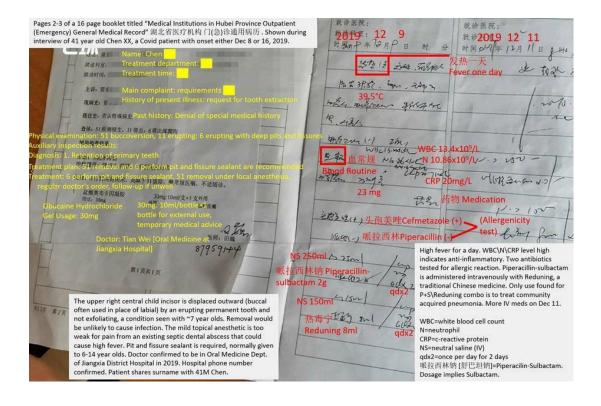
4天前·北京青年报即时新闻官方账号

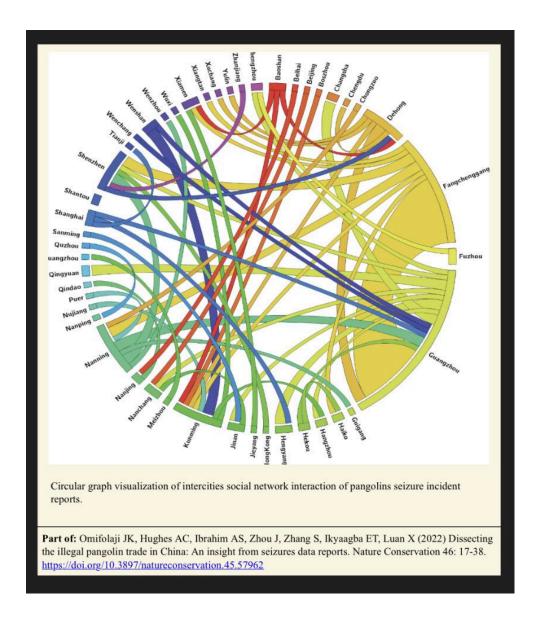
关注

#提问武汉# 请问目前已知最早发病的患者情况如何? 该患者具体什么时候发病的? 是否曾有过华南海鲜市场接触史?



#### #提问武汉#





#### https://x.com/daoyu15/status/1742627389971234907

In fact, no animal in the Huanan market have been reported to have been infected by

https://docs.google.com/document/d/1qAXPqv6kcSPQbr5h51FwyG9Wdfa70ECwW DWv-br7Az8/edit CoV with the Wuhan or close to Wuhan RBD anywhere in the world anytime in history.

Thus there is no probability at all that there is a market animal that can cause an outbreak.

https://www.economist.com/graphic-detail/2021/05/30/covid-19-deaths-in-wuhan-see m-far-higher-than-the-official-count

Also. Here is the official all cause excess deaths record. It had more deaths than there are official cases.

It is clear that <a href="https://archive.md/VXtu9">https://archive.md/VXtu9</a> there are significantly <a href="https://archive.md/UIBkB">https://archive.md/UIBkB</a> more cases, sufficient to get infections before Huanan, in Wuhan.

https://twitter.com/daoyu15/status/1736761001775943855

In Mar-Apr 2020, China officially blamed wild animals sold in the Huanan market. Publishing the current "data" to Holmes would be the best way to solidify their then official opinion. If this "data" can be interpreted in any way to arrive at the C-C "conclusions", ECH won't be denied of it. Since he is denied, the most logical reason for the denial is that it does not originally support any of the C-C "conclusions", and were tampered only recently to poison the scientific database and to provide a fallback for debate purposes. Only after being tampered with and then approved by the CCP, would it be officially permitted—in fact, actively given to Holmes for "analysis".

Pack tube blood=they are pre-screened against IgM presence of any kind, mean that it can not be used for detecting November infections because any potentially positive serological samples are rejected. ILI=they are 20 samples per two weeks sentinel surveillance that were far too low in sample counts to be effective at detecting an 100 cases outbreak November or December 2019. In fact they only get positives inside the Wuhan CBD in late January 2020 when about one third of all official cases have already had onset, and only because the influenza season have faded enough to have SARS-CoV-2 positive samples able to reach (4500-7000 ILI a werk in peak Wuhan flu season) the surveillance mechanisms. They also failed to detect it near the market first.

#### Finally,

https://twitter.com/daoyu15/status/1703438297983561793?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

https://twitter.com/daoyu15/status/1726526722831683601?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

The idea that "lineage A is in the market" hinges on A20. It is debunked by the absence of vendor gloves in the stall, presence of sampler PPE, inconsistency between 2021-2023 in viral read and fractions and inconsistency between 03/03/2023 and 26/03/2023 in host read fractions. Amplicon sequencing doesn't alter host fractions.

https://twitter.com/daoyu15/status/1739419702143881342?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

https://twitter.com/daoyu15/status/1704216164560449822?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

In fact, guess what is consistent with this observation? The introduction of human hosted lineage A genomes into the viral amplicon run but not the metagenomic run archive.ph/ANS4Q and improbability of vendor origin for A20 predicts that lineage A

is being grown inside the WCDC, and likely caused human infections. And behold, all 3 of the samples are linked tightly and directly to the WCDC.

https://twitter.com/daoyu15/status/1705344605401800804?s=46&t=wRQSWp\_1Vff WmS2vKQwhSAA hotel right nextdoor to the new lab site, a location on the same route as the lab's November-December movement (spilling aerosols everywhere on the road) and an admitted infection and seropositivity with no direction deducible for the "family cluster".

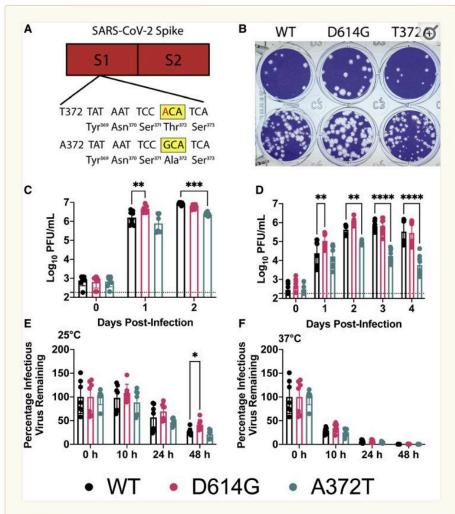
https://twitter.com/daoyu15/status/1726529108811874621?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

Also: in the set of WA1/WA-UW samples, it have been discovered that the determinants of WA1 is highly unstable—it is not uncommon to find inside this cluster including cultures grown from this cluster that have shown signs of 3037C->T, 29095T residuum, 18060T->C and 8782C->T and 28144T->C, all appearing independently in the quasispecies.

A single leak of WA1 that mutated afterward causes all of the early lineages. https://twitter.com/daoyu15/status/1726531984288334216?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

Which are all found in the same culture from Csabai et al. WA1, A, C/C and B are all found in the same VERO-CHO culture where the only human sequences are found in the belt and road region but not Wuhan. None of the 3 (belt and road humans, CHO, WA1) are ever published in China for SARS-CoV-2 isolation or culture. And belt and road humans as an NGS sample in 2019-2020 is related only to viral sampling under the "病原体宿主适应与免疫干预" grant.

https://twitter.com/daoyu15/status/1491651835584675845?s=46&t=wRQSWp\_1Vff WmS2vKQwhSACsabai et al also contained T22657C, T3346C, A21562C and G487T. all of which is in RaTg13 but not in WuHu-1. also T1963C and T22963C in BANAL-52. Significant culture mutations have occurred inside Csabai et al which likely contained samples co-sequenced at different passage depths. not all of the reads were H655Y and del I68-T76.



#### Figure 4

A372T substitution decreases SARS-CoV-2 replication on human lung epithelial cells

- (A) The S T372 SARS-CoV-2 mutant was generated by making a single G-to-A substitution. The mutant nucleotide is presented in red, and the altered codon is highlighted in a yellow box.
- (B) Plaque morphology of WT and mutant viruses. Plaques were visualized 2 days post-infection (dpi) on Vero E6 cells.
- (C and D) Viral replication on Vero E6 (C) and Calu-3 (D) cells following infection at an MOI of 0.05. The sample at 0 dpi was collected immediately after infection to ensure cells were exposed to similar levels of virus, and then samples were collected at 24-h intervals.
- (E and F) Kinetics of thermal stability. A solution of  $10^5$  PFU of each virus was incubated at the indicated temperature for different lengths of time. Infectious virus was measured by plaque assay on Vero E6 cells.
- Statistical comparisons were made using two-way ANOVA with Dunnett's multiple comparisons test. p < 0.05, p < 0.01, p < 0.01, p < 0.00, p < 0.00. Error bars represent standard deviation of the mean.

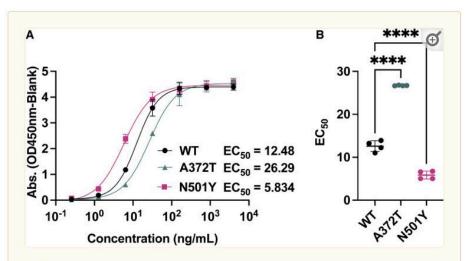
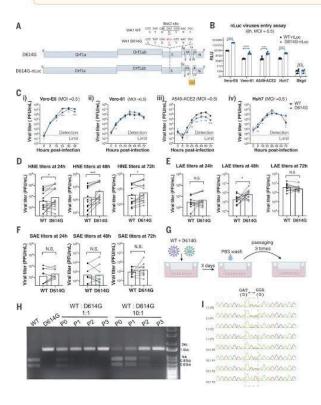


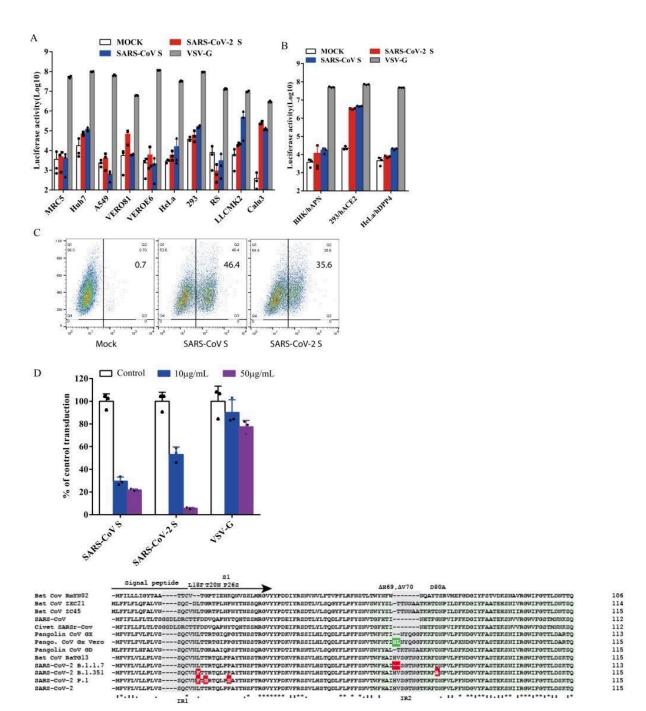
Figure 3

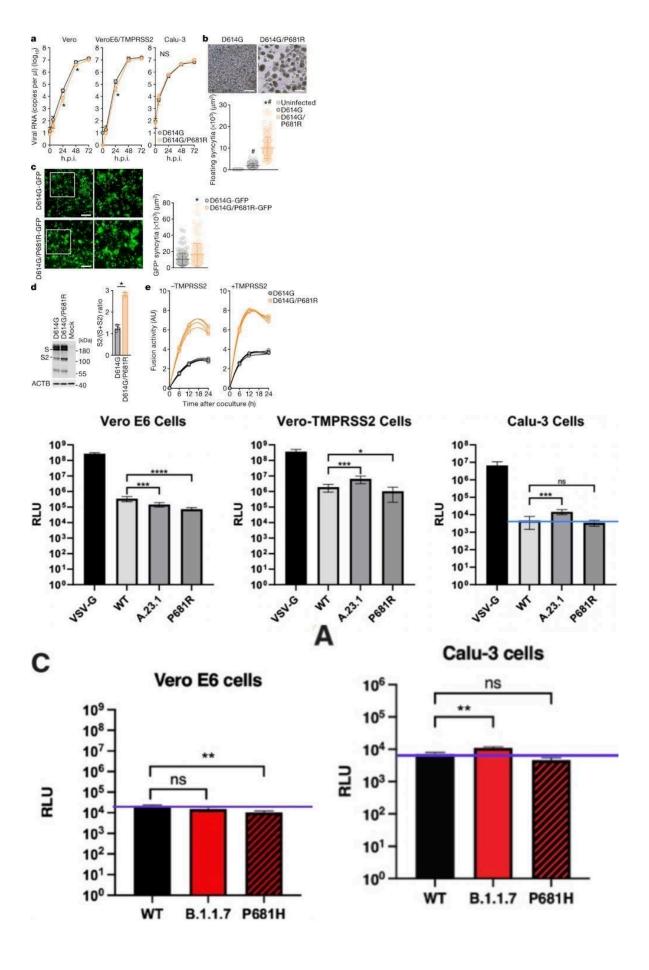
Decreased binding of the A372T mutant to human ACE2

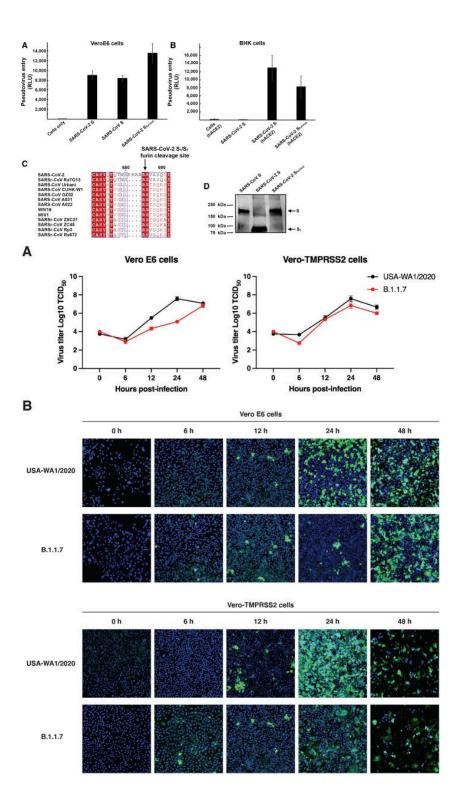
(a) Functional ELISA was used to determine the binding affinity of different S protein receptor-binding domains (RBDs). Plates were coated with recombinant human ACE2 receptor (2  $\mu$ g/mL at 100  $\mu$ L/well) and then probed with varying concentrations (0.256–4000 ng/mL) of purified RBDs from WT SARS-CoV-2 (S A372), A372T, and N501Y (positive control). To determine EC<sub>50</sub> values, the absorbance values (450 nM) were fit to a sigmoidal, 4PL nonlinear model using Prism 9 (GraphPad). The experiment was repeated in two independent replicates with four total technical replicates per sample. Error bars represent standard deviation of the mean.

(B) The  $EC_{50}$  values were compared by one-way ANOVA with Dunnett's multiple comparisons test. \*\*\*\*p < 0.0001 compared with WT SARS-CoV-2 (A372). Error bars represent standard deviation of the mean.



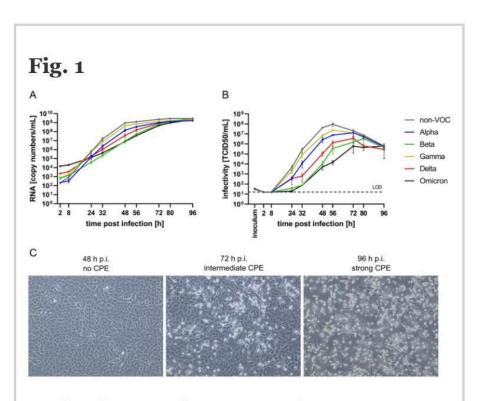




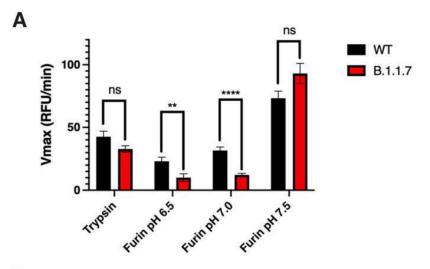


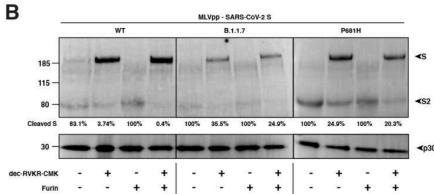
	CONSERVED REGION VARIABLE REGION	
SARS-CoV-2	G A G I C A S Y Q T Q T N S P R A R S V A - ggt goa ggt ata tgc got agt tat cag act cal act at tct cot ogg ogg goa cgt agt gta get a	s Q s I I agt caa too ato att
RaTG13	G A G I C A S Y Q T N S R S V A - ggt gca gga ata tgc gcc agt tat cag act caa act aat tca cgt agt gtg gcc a	S Q S I I agt caa tot att att
RShSTT182/200 (Cambodia) (identical here)	G A G I C A S Y Q T N S R S V T - ggt gca ggt ata tgc gcc agt tac cag act caa act aat tca cgt agt gta acc a	S Q S I I agt caa too att att
Pangolin/GD/2019	G A G I C A S Y Q T N S R S V S - ggt gca gga ata tgt gcc agt tat cag act caa act aat tca cgt agt gtt tca a	S Q A I I agt caa gct att att
RmYN02 Zhou et al.	G A G V C A S Y N S P - A A R - V G - gga gog ggt gtg tgt gcc agt tac aac toa cot gca gcg ogt gta ggt a	T N S I I
RmYN02 Clustal W	G A G V C A S Y N S ( P ) A A R V G - gga ggg ggt gtg tgt ggc agt tac aac tca c ct gca gog cgt gta ggt a	T N S I I
RmYN02 YD&RS ver. 1	G A G V C A S Y (N S) P A A R - V G - ggs gcg gcg gct gtg tgt gcc agt tac - a act ca - ct gca gcg cgt gta ggt s	T N S I I
RmYN02 YD&RS ver. 2	G A G V C A S Y - N S P A A R - V G - gga gcg gct gtg tgt gcc agt tac aac tca cct gaa gcg cgt gta ggt gta ggt s	T N S I I
RacCs203 (Thailand)	G A G V C A S Y - N S P V A R - V G - gga gca ggt gtg tgt gcc agt tat aac tca ct gca gca cgt gta ggt gta ggt a	T N S I I
RacCs264 (Thailand)	G A G V C A S Y - N S P V ? ? ? ? - gga gca ggt gtg tgt gcc agt tat aac tca ct gta Sca cRt KKR SRY 1	? Q S I I
RacCs271 (Thailand)	? ? V C A S Y - N S P V A R - V G - NNN NNN NNt gtg tgt gcc agt tat aac tca ct gta gca cgt gta ggt a	T N S I I act aat tot att
PrC31 (Yunnan)	G A G I C A S Y H T A P II L R S T S - ggt gct gct gct gct agt act acc cat acc gct cat at tta	Q K A I V
Rc-0319 (Japan)	G A G I C A T Y H T P S M L R S A N N ggc gca ggc atc tgc gct aca tat cac acg cca tct atg cta cgt agc gca acc aca cac cac tct atg cta cgt agc gca acc acc	N K R I V aat aag aga att gtt
Pangolin/GX/2017	G A G I C A S Y H S M S F R S V N - ggt gct ggc ata tgt gca agt tac cat tcc atg	Q R S I I
Rs3367 & RsSHC014 (identical here)	G A G I C A S Y H T V S S L R S T S - gg gct ggc att tgt gct agt tac cat aca gtt tot to a tta	Q K S I V
ZC45	G A G I C A S Y H T A S T L R S T S - ggt gct ggt att tgt gct agc tac cat acg gct tct ata tta ogc agt aca agc o	Q K A I V
ZXC21	G A G I C A S Y H T A S I L R S T G - ggt gct ggt att tgt gct agc tac cat acg gct tct ata tta cgt agt aca ggc c	Q K A I V
RmYN01	G A G I C A S Y H T A S L L R N T G - ggt gca ggc att tgt gct agt tac cat aca gct tcc ctt tta cgt aat aca ggc c	Q K S I V
LYRa11	G A G I C A S Y H T A S L L R N T D - ggt got ggc att tgt gct agt tac cat aca gct tot etc tta ogt aat aca gcc	Q K S I V
Rf4092	G A G I C A S Y H T A S T L R G V G - ggt gct ggc att tgt gct agc tac cat aca gct tct act cta ogt ggt gta ggt ogt	Q K S I V

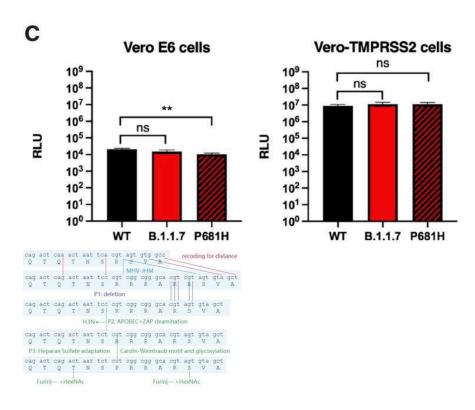
Black = common for all
Purple = unique to SARS-CoV-2
Green = differences mostly found in strains shaded in pink (RmYN02 or RacCSxxx)
Blue = differences mostly found in strains shaded in purple (ZC45, Rs3367, LYRa11, etc.)
Yellow = differences mostly found in Pangolin/GX/2017
Red = other differences

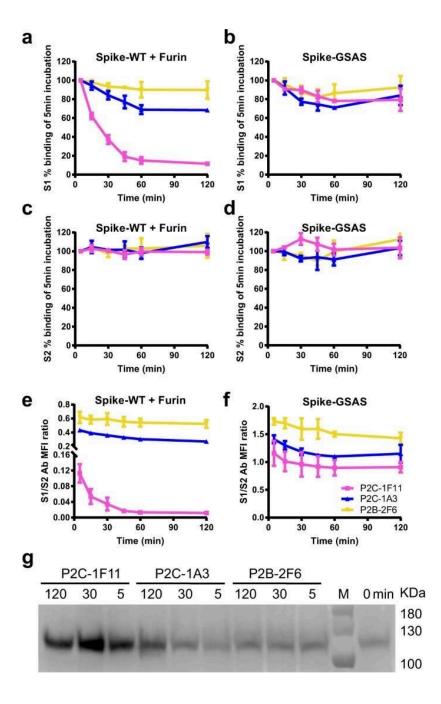


Viral replication of non-VOC and VOCs on Vero E6. Cells were infected at an MOI of 0.0001 for 96 h and culture supernatant was collected at the indicated time points to quantify **a** RNA copy numbers by RT-qPCR and **b** viral titers by TCID50 endpoint assay. **c** Development of CPE is exemplarily shown for Delta at selected time points. LOD: limit of detection; n = 3









atgte tga taa tgg acc cca aaa tca gcg aaa tge acc ccg cat tac gtt tgg tgg acc ctc V - - W T P K S A K C T P H Y V W W T L aga ttc aac tgg cag taa cca gaa tgg aga acg cag tgg ggc gcg atc aaa aca acg tcg R F N W Q - P E W R T Q W G A I K T T S gcc cca agg ttt acc caa taa tac tgc gtc ttg gtt cac cgc tct cac tca caca tgg caa A P R F T Q - Y C V L V H R S H S T W Q gga aga cct taa att ccc tcg agg aca agg cgt tcc aat taa cac caa tag cag tcc aga tga cca aat tgg cta cta ccg aag agc tac cag acg aat tcg tgg tgg tgg tga cag taa aat - P N W L L P K S Y Q T N S W W - R - N gaa aga tot cag toc aag atg gta ttt cta cta cct agg aac tgg gcc aga agc tgg act E R S Q S K M V F L L P R N W A R S W T E R S Q S K M V V F L L P R N W A K S W T toc cta tgg tgc taa caa aga cgg cat cat atg ggt tgc aac tga gga ggc ctt gaa tac S L W C - Q R R H H M G C N - G S L E Y acc aaa aga tca cat tgg cac ccg caa tcc tgc taa caa tgc tgc aat cgt gct aca act T K R S H W H P Q S C - Q C C I R A T T tcc tca agg aac att gcc aaa agg ctt cta cgc aga agg gag agg gag cag tca S S R N N I A K R L L R R R E Q R R Q S agg ctc ttc tcg ttc ctc atc acg tag tcg caa cag ttc aag aaa ttc aac tcc agg cag L F S F L I T - S Q Q F K K F N S R Qcag tag ggg aac ttc tcc tgc tag aat ggc tgg caa tgg cgg tga tgc tgc tct tgc ttt Q -  $\mathbf{G}$  N F S C -  $\mathbf{N}$  G W Q W R -  $\mathbf{C}$  C S C F get get get tga cag att gaa eea get tga gag eaa aat gte tgg taa agg eea aca aca A A A - Q I E P A - E Q N V W - R P T T aca agg cca aac tgt cac taa gaa atc tgc tgc tga ggc ttc taa gaa gcc tcg gca aaa T R P N C H - E I C C - G F - E A S A K acg tac tgc cac taa agc ata caa tgt aac aca agc ttt cgg cag acg tgg tcc aga aca T Y C H - S I Q C N T S F R Q T W S R T aac cca agg aaa ttt tgg gga cca gga act aat cag aca agg aac tga tta caa aca ttg
N P R K F W G P G T N Q T R N - L Q T L gcc gca aat tgc aca att tgc ccc cag cgc ttc agc gtt ctt cgg aat gtc gcg cat tgg A A N C T I C P Q R F S V L R N V A H W cat gga agt cac acc ttc ggg aac gtg gtt gac cta cac agg tgc cat caa att gga tga H G S H T F G N V V D L H R C H Q I G caa aga tcc aaa ttt caa aga tca agt cat ttt gct gaa taa gca tat tga cgc ata caa Q R S K F Q R S S H F A E - A Y - R I Q aac att ccc acc aac aga gcc taa aaa gga caa aaa gaa ggc tga tga aac tca agc N I P T N R A - K G Q K E E G - - N S S ctt acc gca gag aca gaa gaa aca gca aac tgt gac tct tct tcc tgc tgc aga ttt gga L T A E T E E T A N C D S S S C C R F G tga ttt ctc caa aca att gca aca atc cat gag cag tgc tga ctc aac tca ggc cta -  $\mathbf{F}$  L Q T I A T I H E Q C -  $\mathbf{L}$  N S G L

Before SARS-COV-2	(Ja
SARS (Urbani)	CASYHTVSLLRSTS-QKSIVAY
YN2018A	CASYHTASTLRSVG-QKSIVAY
Rp/Shaanxi2011	CASYHTASVLRSTG-QKSIVAY
Rs4247	CASYHTASTLRSVG-QKSIVAY
YN2018B	CASYHTVSSLRSTS-QKSIVAY
As6526	CASYHTASTLRSVG-QKSIVAY
Rs4237	CASYHTASTLRSVG-QKSIVAY
Longquan-140	CASYHTASVLRSTG-QKSIVAY
Rs4081	CASYHTASTLRSVG-QKSIVAY
BetaCoV/GX2013	CASYHTASVLRSTG-QKSIVAY
HKU3-1	CASYHTASVLRSTG-QKSIVAY
YN2013	CASYHTASTLRSIG-QKSIVAY
Rs806/2006	CASYHTASLLRSTG-QKSIVAY
Cp/Yunnan2011	CASYHTASLLRNTG-QKSIVAY
Rs3367	CASYHTVSSLRSTS-QKSIVAY
WIV1	CASYHTVSSLRSTS-QKSIVAY
YN2018D	CASYHTASTLRSVG-QKSIVAY
Rs4255	CASYHTASTLRSVG-QKSIVAY
Rs_672/2006	CASYHTASTLRSVG-QKSIVAY
WIV16	CASYHTVSSLRSTS-QKSIVAY
RsSHC014	CASYHTVSSLRSTS-QKSIVAY
SARS (Civet)	CASYHTVSSLRSTS-QKSIVAY
LYRaA3	CASYHTASLLRNTG-QKSIVAY
LYRaA11	CASYHTASLLRNTD-QKSIVAY
Rs9401	CASYHTVSSLRSTS-QKSIVAY
Rs4084	CASYHTVSSLRSTS-QKSIVAY
Rs7327	CASYHTVSSLRSTS-QKSIVAY
Anlong-103	CASYHTASTLRSVG-QKSIVAY
SC2018	CASYHTASTLRSTG-QKSIVAY
YN2018C	CASYHTASTLRSVG-QKSIVAY
RaTG13	CASYQTQTNSRSVASQ-SIIAY

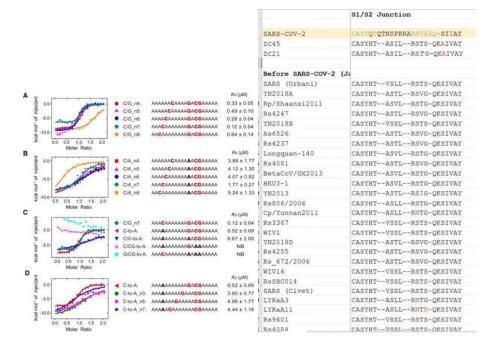
MHG-II Binding Prediction Results
Input Sequences

| Name | Sequence |
| Agricasyqtqtnsprrar

# Prediction method: IEDB recommended 2.22 | Low adjusted\_rank = good binders Download result ■

Citations
Check to expand the result:

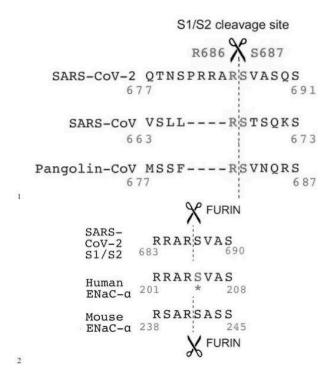
	Start +	End =	Length =	Method used #	Peptide #	Percentile Rank	Adjusted rank
1	5	19	15	Consensus (smm/nn/sturniolo)	CASYQTQTNSPRRAR	3.20	3.20
1	4	18	15	Consensus (smm/nn/sturniolo)	ICASYQTQTNSPRRA	3.70	3.70
1	3	17	15	Consensus (smm/nn/sturniolo)	GICASYOTOTNSPRR	5.30	5.30
1	5	19	15	Consensus (smm/nn/sturniolo)	CASYOTOTNSPRRAR	8.60	8.60
-1		16	15		070111201111111111111111111111111111111	9.50	9.50
							12.00
	_		-	1		12.00	12.00
	- 11	1,100	100	Establishment Committee Committee			13.00
	100	10000	4,039				215000
-	305	10000	0.000			100000	13.00
		7.000				9.2000	14.00
_							16.00
1	5	19	15	NetMHClipan	CASYQTQTNSPRRAR	18.00	18.00
1	4	18	15	NetMHClipan	ICASYQTQTNSPRRA	23.00	23.00
1	1	15	15	Consensus (comb.lib./smm/nn)	GAGICASYQTQTNSP	24.00	24.00
:1	2	16	15	Consensus (smm/nn/sturniolo)	AGICASYQTQTNSPR	31.00	31.00
4	4	18	15	Consensus (comb.lib./smm/nn)	ICASYQTQTNSPRRA	31.00	31.00
1	3	17	15	Consensus (comb.lib./smm/nn)	GICASYQTQTNSPRR	36.00	36.00
1	2	16	15	Consensus (comb.lib./smm/nn)		37.00	37.00
115	7.5	11000	7,75%			37.00	37.00
: 1	5	19	15	Consensus (smm/nn/sturniolo)		41.00	41.00
	1. 1.4	1,000	10000			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	41.00
							42.00
	-	10000				197707	46.00
100	- 2	100	2027			177.55	1,1000
	225	EV-S/EX	CIDE	A PROPERTY AND ADDRESS OF A PARTY	100000000000000000000000000000000000000	02000	49.50
-	-		-				50.00
1	2	16	15	Consensus (comb.lib./smm/nn)	AGICASYQTQTNSPR	51.00	51.00
1	4	18	15	Consensus (comb.lib./smm/nn)	ICASYQTQTNSPRRA	51.00	51.00
1	1	15	15	Consensus (smm/nn/sturniolo)	GAGICASYQTQTNSP	52.00	52.00
1	-1	15	15	Consensus (comb.lib./smm/nn)	GAGICASYQTQTNSP	52.00	52.00
্র	3	17	15	Consensus (comb.lib./smm/nn)	GICASYQTQTNSPRR	52.00	52.00
1	2	16	15	NetMHClipan	AGICASYQTQTNSPR	53.00	53.00
1	5	19	15	Consensus (comb.lib./smm/nn)	CASYOTOTNSPRRAR	53.00	53.00
1	1	15	15	Consensus (comb.lib./smm/nn)	GAGTCASYOTOTNSP	53.00	53.00
	-	110000	11.000				54.00
	25	20572	CIDE:	The second secon	1920-1510-00 \$100-00-00	2000	54.00
_							54.00
		-					
-		100	1510			17070	55.00
115	505	10000	2/2/79			20000	55.00
11	2	16	15	Consensus (comb.lib./smm/nn)	AGICASYQTQTNSPR	56.00	56.00
্ৰ	2	16	15	Consensus (smm/nn/sturniolo)	AGICASYQTQTNSPR	56.00	56.00
1	3	17	15	Consensus (smm/nn)	GICASYQTQTNSPRR	56.00	56.00
1	4	18	15	Consensus (smm/nn)	ICASYQTQTNSPRRA	56.50	56.50
1	2	16	15	Consensus (smm/nn/sturniolo)	AGICASYQTQTNSPR	57.00	57.00
1	1	15	15	Consensus (comb.lib./smm/nn)	GAGICASYQTQTNSP	57.00	57.00
-1	-1	15	15	Consensus (smm/nn/sturniolo)	GAGICASYQTQTNSP	57.00	57.00
1	4	18	15	Consensus (smm/nn/sturniolo)	ICASYOTOTNSPRRA	57.00	57.00
_		-		115			58.00
		11000	11000			1111111	58.00
100	- 55	0.0000	4,000			20000	58.00
-	-	13000	57.000			3.700.5	1//2001020
	-		1,110			687887	59.00
_						22.00	59.00
	1	15	1111	Consensus (comb.lib./smm/nn)			59.00
	3	17	15	Consensus (comb.lib./smm/nn)	GICASYQTQTNSPRR	59.00	59.00
1	3	17	15	Consensus (comb.lib./smm/nn)	GICASYQTQTNSPRR	60.00	60.00
:1	5	19	15	Consensus (comb.lib./smm/nn)	CASYQTQTNSPRRAR	61.00	61.00
1	-1	15	15	Consensus (comb.lib./smm/nn)	GAGICASYQTQTNSP	62.00	62.00
1	4	18	15	Consensus (comb.lib./smm/nn)	ICASYQTQTNSPRRA	62.00	62.00
1	1	15	15	Consensus (smm/nn/sturniolo)	GAGICASYQTQTNSP	63.00	63.00
					The second of the control of the con	1 (2027)	11.00
1	3	17	15	Consensus (smm/nn/sturniolo)	GICASYQTQTNSPRR	63.00	63.00
		1         6           1         4           1         3           1         2           1         2           1         4           1         4           1         4           1         5           1         4           1         5           1         4           1         1           1         2           1         4           1         2           1         1           2         1           1         2           1         1           2         1           1         2           1         1           2         1           3         1           4         1           1         2           1         2           1         2           1         2           1         2           1         2           1         2           1         2           1         2           1         2	1         5         19           1         4         18           1         3         17           1         5         19           1         2         16           1         4         18           1         3         17           1         4         18           1         5         19           1         4         18           1         1         15           1         2         16           1         2         16           1         3         17           1         2         16           1         3         17           1         4         18           1         1         15           1         2         16           1         1         15           1         2         16           1         1         15           1         2         16           1         1         15           1         1         15           1         1         15           1         1<	1         5         19         15           1         4         18         15           1         3         17         15           1         5         19         15           1         2         16         15           1         4         18         15           1         4         18         15           1         3         17         15           1         4         18         15           1         5         19         15           1         4         18         15           1         1         15         15           1         4         18         15           1         1         15         15           1         2         16         15           1         2         16         15           1         3         17         15           1         2         16         15           1         4         18         15           1         4         18         15           1         1         15         15 <tr< td=""><td>  1</td><td>  1</td><td>  1</td></tr<>	1	1	1



# MHC-II Binding Prediction Results Input Sequences Name Sequence 1 IEDB Epitope 952701 CALPDTP5TLTPRSVRSVPGEMRLA

# Prediction method: IEDB recommended 2.22 | Low adjusted\_rank = good binders Download result ■

Allele =		Start	End	Length =	Method used #	Peptide #	Percentile Rank *	Adjusted rank
HLA-DRB5*01:01	1	11	25	15	Consensus (smm/nn/sturniolo)	TPRSVRSVPGEMRLA	8.40	8.40
HLA-DRB5*01:01	31	10	24	15	Consensus (smm/nn/sturniolo)	LTPRSVRSVPGEMRL	8.60	8.60
HLA-DRB5*01:01	1	9	23	15	Consensus (smm/nn/sturniolo)	TLTPRSVRSVPGEMR	9.50	9.50
HLA-DPA1*02:01/DPB1*14:01	1	-11	25	15	NetMHClipan	TPRSVRSVPGEMRLA	16.00	16.00
HLA-DPA1*02:01/DPB1*14:01	1	10	24	15	NetMHClipan	LTPRSVRSVPGEMRL	20.00	20.00
HLA-DRB1*09:01	1	11	25	15	Consensus (comb.lib./smm/nn)	TPRSVRSVPGEMRLA	21.00	21.00
HLA-DQA1*05:01/DQB1*03:01	1	10	24	15	Consensus (comb.lib./smm/nn)	LTPRSVRSVPGEMRL	25.00	25.00
HLA-DRB1*09:01	1	10	24	15	Consensus (comb.lib./smm/nn)	LTPRSVRSVPGEMRL	25.00	25.00
HLA-DQA1*05:01/DQB1*03:01	1	9	23	15	Consensus (comb.lib./smm/nn)	TLTPRSVRSVPGEMR	25.00	25.00
HLA-DQA1*05:01/DQB1*03:01	1	11	25	15	Consensus (comb.lib./smm/nn)	TPRSVRSVPGEMRLA	25.00	25.00
HLA-DRB1*09:01	1	5	19	15	Consensus (comb.lib./smm/nn)	DTPSTLTPRSVRSVP	27.00	27.00
HLA-DRB1*09:01	1	4	18	15	Consensus (comb.lib./smm/nn)	PDTPSTLTPRSVRSV	27.00	27.00
HLA-DOA1'05:01/DOB1'03:01	1	7	21	15	Consensus (comb.lib./smm/nn)	PSTLTPRSVRSVPGE	28.00	28.00
HLA-DQA1'05:01/DQB1'03:01	4	8	22	15		STLTPRSVRSVPGEM	28.00	28.00
HLA-DQA1*05:01/DQB1*03:01	1	9	23	15	Consensus (comb.lib./smm/nn) Consensus (comb.lib./smm/nn)		29.00	29.00
THE PROPERTY OF THE PARTY OF TH	100	1 7/4	105/0	20.000		TLTPRSVRSVPGEMR		0.000000
HLA-DRB1*07:01	-31	- 31	15	15	Consensus (comb.lib./smm/nn)	CALPDTPSTLTPRSV	31.00	31.00
HLA-DRB1*03:01	1	11	25	15	Consensus (smm/nn/sturniolo)	TPRSVRSVPGEMRLA	31.00	31.00
HLA-DRB1*03:01	1	10	24	15	Consensus (smm/nn/sturniolo)	LTPRSVRSVPGEMRL	32.00	32.00
HLA-DRB1*09:01	1	3	17	15	Consensus (comb.lib./smm/nn)	LPDTPSTLTPRSVRS	33.00	33.00
HLA-DRB1*07:01	1	10	24	15	Consensus (comb.lib./smm/nn)	LTPRSVRSVPGEMRL	33.00	33.00
HLA-DRB1*08:02	1	10	24	15	Consensus (smm/nn/sturniolo)	LTPRSVRSVPGEMRL	33.00	33.00
HLA-DRB1*07:01	31	8	22	15	Consensus (comb.lib./smm/nn)	STLTPRSVRSVPGEM	33.00	33.00
HLA-DRB1*07:01	1	9	23	15	Consensus (comb.lib./smm/nn)	TLTPRSVRSVPGEMR	33.00	33.00
HLA-DRB1*08:02	1	9	23	15	Consensus (smm/nn/sturniolo)	TLTPRSVRSVPGEMR	33.00	33.00
HLA-DRB1*09:01	1	2	16	15	Consensus (comb.lib./smm/nn)	ALPDTPSTLTPRSVR	34.00	34.00
HLA-DRB1*07:01	1	5	19	15	Consensus (comb.lib./smm/nn)	DTPSTLTPRSVRSVP	36.00	36.00
HLA-DRB1*07:01	1	-4	18	15	Consensus (comb.lib./smm/nn)	PDTPSTLTPRSVRSV	36.00	36.00
HLA-DRB1*09:01	1	8	22	15	Consensus (comb.lib./smm/nn)	STLTPRSVRSVPGEM	36.00	36.00
HLA-DRB1*03:01	1	9	23	15	Consensus (smm/nn/sturniolo)	TLTPRSVRSVPGEMR	36.00	36.00
HLA-DPA1*02:01/DPB1*14:01	1	9	23	15	NetMHClipan	TLTPRSVRSVPGEMR	37.00	37.00
HLA-DRB1*07:01	1	2	16	15	Consensus (comb.lib./smm/nn)	ALPDTPSTLTPRSVR	39.00	39.00
HLA-DRB1*01:01	1	-1	15	15	Consensus (comb.lib./smm/nn)	CALPDTPSTLTPRSV	39.00	39.00
HLA-DRB1*07:01	1	3	17	15	Consensus (comb.lib./smm/nn)	LPDTPSTLTPRSVRS	39.00	39.00
HLA-DRB1*07:01	1	6	20	15	Consensus (comb.lib./smm/nn)	TPSTLTPRSVRSVPG	39.00	39.00
HLA-DRB1*01:01	1	5	19	15	Consensus (comb.lib./smm/nn)	DTPSTLTPRSVRSVP	40.00	40.00
HLA-DRB1*01:01	1	4	18	15	Consensus (comb.lib./smm/nn)	PDTPSTLTPRSVRSV	40.00	40.00
HLA-DRB1*07:01	11	7	21	15	Consensus (comb.lib./smm/nn)	PSTLTPRSVRSVPGE	40.00	40.00
HLA-DRB1'09:01	1	7	21	15	Consensus (comb.lib./smm/nn)		40.00	40.00
HLA-DRB1*09:01	2.5	_	1000			PSTLTPRSVRSVPGE	40.00	40.00
HLA-DRB3*02:02 HLA-DRB1*09:01	1	11	25	15	NetMHClipan	TPRSVRSVPGEMRLA	40.00	40.00
	0.00	50	20	2,055	Consensus (comb.lib./smm/nn)	TPSTLTPRSVRSVPG	97727	(4.553555)
HLA-DRB1*12:01	1	5	19	15	Consensus (smm/nn)	DTPSTLTPRSVRSVP	41.00	41.00
HLA-DRB1*01:01	1	3	17	15	Consensus (comb.lib./smm/nn)	LPDTPSTLTPRSVRS	41.00	41,00
HLA-DRB1*15:01	1	10	24	15	Consensus (smm/nn/sturniolo)	LTPRSVRSVPGEMRL	41.00	41.00
HLA-DRB1*13:02	1	9	23	15	Consensus (smm/nn/sturniolo)	TLTPRSVRSVPGEMR	41.00	41.00
HLA-DRB1*01:01	1	11	25	15	Consensus (comb.lib./smm/nn)	TPRSVRSVPGEMRLA	41.00	41.00
HLA-DRB1*12:01	1	4	18	15	Consensus (smm/nn)	PDTPSTLTPRSVRSV	41.50	41.50
HLA-DRB1*13:02	:1	8	22	15	Consensus (smm/nn/sturniolo)	STLTPRSVRSVPGEM	42.00	42.00
HLA-DRB1*12:01	1	6	20	15	Consensus (smm/nn)	TPSTLTPRSVRSVPG	42.50	42.50
HLA-DRB1*13:02	1	10	24	15	Consensus (smm/nn/sturniolo)	LTPRSVRSVPGEMRL	43.00	43.00
HLA-DRB1*12:01	1	7	21	15	Consensus (smm/nn)	PSTLTPRSVRSVPGE	43.50	43.50
HLA-DQA1*05:01/DQB1*03:01	1	5	19	15	Consensus (comb.lib./smm/nn)	DTPSTLTPRSVRSVP	44.00	44.00
HLA-DQA1*05:01/DQB1*03:01	11	4	18	15	Consensus (comb.lib./smm/nn)	PDTPSTLTPRSVRSV	44.00	44.00
HLA-DRB1*08:02	1	4	18	15	Consensus (smm/nn/sturniolo)	PDTPSTLTPRSVRSV	44.00	44.00
HLA-DQA1*05:01/DQB1*03:01	1	6	20	15	Consensus (comb.lib./smm/nn)	TPSTLTPRSVRSVPG	44.00	44.00
	1	6	20	15	Consensus (smm/nn/sturniolo)	TPSTLTPRSVRSVPG	44.00	44.00
HLA-DRB1*08:02			1000	1000		ALPDTPSTLTPRSVR	45.00	45.00
HLA-DRB1*08:02 HLA-DRB1*01:01	1	2	16	15	Consensus (comb.lib./srryn/nn)			
HLA-DRB1*01:01	1	2.5	10573	1, 000	Consensus (comb.lib./smm/nn)		10000000	45.00
HLA-DRB1*01:01 HLA-DQA1*05:01/DQB1*02:01	1	11	25	15	Consensus (comb.lib./smm/nn)	TPRSVRSVPGEMRLA	45.00	45.00 46.00
HLA-DRB1*01:01 HLA-DQA1*05:01/DQB1*02:01 HLA-DRB3*02:02	1	11	25 24	15 15	Consensus (comb.lib./smm/nn) NetMHCllpan	TPRSVRSVPGEMRLA LTPRSVRSVPGEMRL	45.00 46.00	46.00
HLA-DRB1*01:01 HLA-DQA1*05:01/DQB1*02:01 HLA-DRB3*02:02 HLA-DRB1*15:01	1 1 1	11 10 9	25 24 23	15 15 15	Consensus (comb.lib./smm/nn) NetMHClipan Consensus (smm/nn/sturniolo)	TPRSVRSVPGEMRLA LTPRSVRSVPGEMRL TLTPRSVRSVPGEMR	45.00 46.00 46.00	46.00 46.00
HLA-DRB1*01:01 HLA-DQA1*05:01/DQB1*02:01 HLA-DRB3*02:02	1	11	25 24	15 15	Consensus (comb.lib./smm/nn) NetMHCllpan	TPRSVRSVPGEMRLA LTPRSVRSVPGEMRL	45.00 46.00	46.00



https://twitter.com/daoyu15/status/1757940248120631634?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

Also, the program for bat CoV work is performed in the WIV for culture and the WHU for animals, both of which stores the backups and archives of their strains and cultures in the WCDC.

And of course, it is nonsensical to claim that the entire supply chain was bleached in December 2019. In fact nothing at all was affected and animals are still sampled as live in the end of January 2020.

archive.md/DChUL archive.md/4rVph archive.md/yyX0Z archive.md/iw1Pz



#### Ben Kuebrich @Ben\_Kuebrich

Feb 19

If you read the judges notes, they got caught up on the lack of virus backbones for engineering.

Guess they bought into Peter's misinfo about mutations from lab culture and humanized mice.

**●**2 t32 33 ♥ 14



#### Ben Kuebrich @Ben\_Kuebrich

Feb 19

They talk about retrospective studies not showing evidence of circulating COVID before the HSM super spreading event. What they don't mention is that those studies didn't find evidence of COVID until the first week of January, weeks after HSM so they're clearly underpowered



#### Odysseus @rwlander

Feb 20

Replying to @Ben\_Kuebrich @Biorealism @quay\_dr @Rootclaim @ban\_epp\_gofroc

The guided WHO tour took them wherever they were guided to, but not to WCDC lab next door to HSM. Amazing.

Feb 20, 2024 · 10:54 AM UTC

₱ 1 付 55 ♥ 2



Odysseus @rwlander

Feb 20

Replying to @rwlander @Ben\_Kuebrich @Biorealism @quay\_dr @Rootclaim @ban\_epp\_gofroc

Esp after travelling thousands of KMS and hours to get there. Joke.

● 13 33 ♥



● t3 55 ¥

Feb 19, 2024 · 10:34 AM UTC

https://twitter.com/daoyu15/status/1746479306610479514?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

Sometimes a blatant lie is worth as much as a direct admission when from a person or a group that is not able to speak freely. Note how Shi went excessively normal that she pretended to have not been aware at all of the ongoing outbreak in Wuhan when others have already taken measures, needing to be reminded toward it and still reluctant. This should have not been the case with genuine lack of foreknowledge, where it is expected that measures similar to public is to happen as in 15-16/01/2020, when clinics and hospitals are already full and h2h is locally widely known at that time in wuhan.

Not everyone can afford the price of speaking up. The WHO report have at least two sections whistleblowing the WCDC (not the HBCDC that don't know about the bioweapons program which have their civilian fronts all operating at and below municipal level in Wuhan) (infected sampler caused all lineage A infections, got through by disguising as family cluster infection, riding the intent to prove sensitivity of the serological tests that China forgot that analysis can not be distributed evenly across distinctly collected cohorts (the only positive serological test on any subject at all in the entire WHO report) ) and the manipulation of early cases data (detailing accountant chen in Jiangxia—while not distinctly talking about his residence in the report and place his dot in Jianghan, so the falsehood of the WHO maps can be exposed).

https://twitter.com/daoyu15/status/1752808015521038748?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

Activity flaring up in China in late 2019–like usual, Shi once again overdid the cover-up and it become obvious what she was hiding.

https://twitter.com/daoyu15/status/1752859981571916065?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

Both of the principle members that engaged in the Sep-Dec 2019 events ended up being too silent about the FCS when they shouldn't. This is what we call extremely suspicious.

https://twitter.com/jhas5/status/1509365535548624901?s=46&t=wRQSWp\_1VffWm S2vKQwhSA

The ODNI broke the COVID origin disclosure act by nor providing the exact symptoms to the level of knowledge that their heavily redacted report clearly show. https://twitter.com/r\_h\_ebright/status/1729164212159824154

Because doing so guarantee an diplomatic catastrophe.

https://twitter.com/daoyu15/status/1748654694170292675?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

2024年2月29日星期四20:56, dzha4225 <dzha4225@protonmail.com>来信:

Hi engineer and iboverlord

Please tell this to @ban epp gofroc on twitter.

(Tell him that trolls are best blocked)

https://twitter.com/daoyu15/status/1754661054733242856

Sorry, markolin, none of your "caged, stacked, sick and wounded animals" actually have a single infection in nature anywhere in the world.

archive.md/DChUL archive.md/4rVph archive.md/yyX0Z archive.md/iw1Pz And sorry, the <a href="https://pubmed.ncbi.nlm.nih.gov/35298912/">https://pubmed.ncbi.nlm.nih.gov/35298912/</a> two following sampling studies have in fact registered the entirety of the supply chain for the Huanan market, one for the local trappers which 100% of the raccoon dogs and weasels are from

https://pubmed.ncbi.nlm.nih.gov/35298912/

And the second for all the other animals which are farmed.

https://twitter.com/daoyu15/status/1723019367854875094

Unlike all prior zoonoses where multiple sites of spillover happens with extensive diversity,

https://twitter.com/daoyu15/status/1727479523778887806

Which is true for non-coronaviruses as well,

https://archive.md/OIGPz and just like the absence of secondary outbreaks anywhere at all despite the fact that the wildlife trade continuing for the same amount of time where SARS-CoV-1 had 9 out of its 11 primary spillovers

https://twitter.com/daoyu15/status/1740796866617647522

The total absence of a phylogenetic tree indicating 20nt+ variants and wildlife linked diversity also disproves zoonosis for SARS-CoV-2.

https://twitter.com/daoyu15/status/1668828125617352704

https://twitter.com/daoyu15/status/1740796866617647522?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

Unfortunately the animal trade continued

https://twitter.com/daoyu15/status/1723305823886291394?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

All the way into 23/01/2020 and later, without being shut down especially in Guangdong.

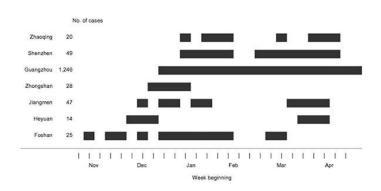
https://twitter.com/daoyu15/status/1690330493693374464

This is sufficient amount of time where the majority of the primary SARS-CoV-1 spillover events (9 out of 11, 5 of which are animal sellers from distinct markets in distinct cities, and which an animal transporter linking Yunnan and Guangdong was among the first cases) have taken place.

#### https://gab.com/Flavinkins/posts/109883975094801876

https://wwwnc.cdc.gov/eid/article/10/6/03-0852 article

On the contrast, 5 independent animal seller cases out of 9 total primary cases for SARS-CoV-1 have happened in 5 cities in 4 in Guangdong and 1 in Guangxi (and +4 for the non-animal seller cases), over the same 2-months timeframe. Two of them were civet butchers, two market workers and one a driver for wildlife dealers. In the contrast, 0 of the early cases for SARS-CoV-2 worked in or have a history of direct participation with the wildlife industry.



Sent from Proton Mail for iOS

2024年3月1日星期五03:45, dzha4225 <dzha4225@protonmail.com>来信:

Why the WCDC is involved?

https://twitter.com/daoyu15/status/1757940248120631634?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

Because well the program for bat CoV work is performed in the WIV for culture and the WHU for animals, both of which stores the backups and archives of their strains and cultures in the WCDC.

https://twitter.com/daoyu15/status/1726769717497696562

The WCDC and the Hubei CDC stores all of the human samples and backups of research cultures of pathogenic microbes in Wuhan, as this is their legally delegated duty and that labs in China are not allowed to store such cultures except several select state key laboratories. Since 2014, the only EID surveillance target in Wuhan is the HSM which all other sites are kept blind so that they can blame Huanan in case the research labs suffer an accident.

After an initial release from the WIV that caused Chen's infection, and eventual transmission to the HSM via line 2 of the Wuhan metro, they mobilized the WCDC in 20-22/12/2019 to begin tapering with the environmental samples and prepare for any needed scapegoat action.

That mobilization ended up causing an infection of a WCDC worker with an aliquot of a sample containing WA1, A and B in the same quasispecies, which then go on infecting all of the earliest lineage A cases in Wuhan.

https://twitter.com/daoyu15/status/1704207677663121556?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

Their possession of lineage A as a culture also poured itself into A20, creating the massive discrepancy between the fraction of mammalian host sequences inside the samples between metagenomic and amplicon. (Culture host introduced alongside lineage A into the amplicon dataset, neither exist in the metagenomic dataset). Why no line lists?

https://x.com/daoyu15/status/1724556334472077599?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

Not a single raccoon dog have been found infected in nature anywhere in the world. https://x.com/daoyu15/status/1724557544507793707?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

Where are all the other expected spillovers especially in Guangdong, where and 90% of all animals farmed in China was consumed and nearly all of them were distributed through?

https://x.com/daoyu15/status/1724561751172378861?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

Any farms in Yunnan large enough to sell to Wuhan, will sell mainly to <u>Guangdong</u>. <a href="https://archive.md/vWjZl">https://archive.md/vWjZl</a>

https://x.com/daoyu15/status/1724201870103847006?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

Contamination and intentional adulteration, with human cultures and human shedding. Not animals.

https://x.com/daoyu15/status/1724352346959032668?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

Haven't told that there is an epistasis issue as well?

https://x.com/daoyu15/status/1724242786134982894?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

Without any raw data to speak of, the moving of the residence of the first ever case they admit

https://x.com/daoyu15/status/1724242737074233833?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

and the suspicious over-removal of cases in Wuchang

https://gab.com/Flavinkins/posts/109256201942085712 removed all credibility of the WHO "early cases" report.

https://x.com/daoyu15/status/1724566520595095974?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

There is VERO-CHO adaptation, freeze-thaw adaptation, and not to mention that the WCDC is one of the very few places where samples of pathogenic viral cultures are permitted storage in Wuhan—

https://x.com/daoyu15/status/1724402686806933700?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

nearly all of the Wuchang lab complex needed to store their samples in it.

Then consider the extensive sharing of arxiv.org/abs/2104.01533

arxiv.org/abs/2109.09112samples between Wuhan labs observed in their SRA data.

https://x.com/daoyu15/status/1724404211155341364?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

And of course, their cover-up of early cases are belied by both peer-reviewed early articles on cases and peer-reviewed early articles on deaths

https://x.com/daoyu15/status/1724556387177656338?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

Inconsistent viral read counts between 2021 and 2023 in all 3 major samples except B5 indicate significant data tampering and invalidate resequencing claims. Especially exemplified with A20 with inconsistent host fractions as well.

https://x.com/daoyu15/status/1724559272124805577?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

Zhou Yusen, unfortunately.

https://x.com/daoyu15/status/1725670977407987978?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

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2024年3月1日星期五13:37, dzha4225 <dzha4225@protonmail.com> 来信:

If they have any genetic expertise they would realize that neither RaTG13 nor their early datasets are correct or what they claimed to be.

arxiv.org/abs/2104.01533

An infectious clone is designed to be rescued.

archive.ph/EiCQW

Well, MN611520-definitely not a bat CoV.

twitter.com/drhermiz/status/1718191358077276403

twitter.com/daoyu15/status/1719847927512977720

twitter.com/daoyu15/status/1672399653344808960

And of course, WIV1, WIV16, Rs4874 and RsSHC014 count up to 4 published live isolates not "only 3" claimed by Shi. That is published isolates only.

zenodo.org/records/5702700#.ZKu-2CV6sIT

RaTG13 don't grow outside immortalized kidney cells.

These are just too many inconsistencies and obvious lies regarding the number of WIV

twitter.com/daoyu15/status/1719763256976523501

twitter.com/mattwridley/status/1462659372421718019

Or EHA viral sequences AND isolates in their public claims.

https://twitter.com/john bumblebee/status/1671859504122679296

Inconsistency upon inconsistency in Chinese publications as well as "data".

Well, twitter.com/covidselect/status/1701958926097342630

The ODNI can't even do a proper google search to realize that the ben Hu did work with live virus.

twitter.com/daoyu15/status/1702180584532131863?s=46&t=wRQSWp\_1VffWmS2v KQwhSA

No wonder the report.

twitter.com/daoyu15/status/1673402523812765696

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2024年3月1日星期五13:37, dzha4225 <dzha4225@protonmail.com> 来信:

Unrestricted biowarfare explain the anomalies in prepandemic and early pandemic wuhan. @breakfast\_dogs @drlimengyan1 <a href="https://archive.md/0RJSH">https://archive.md/0RJSH</a>

https://twitter.com/breakfast\_dogs/status/1753048332451160097?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

Beijing got the real info before Wuhan. Always.

https://twitter.com/breakfast\_dogs/status/1753048295755108718?s=46&t=wRQSWp\_1VffWmS2vKQwhSA

And when Wuhan and internationally they still deny human transmission while Beijing already know, it is clear that the market is a farce.

https://twitter.com/daoyu15/status/1754109830866894869?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

And continued to deploy variants to this date.

https://twitter.com/breakfast\_dogs/status/1754657113589379194?s=46&t=wRQSWp 1VffWmS2vKQwhSA

None of their "data" can be trusted at all.

https://twitter.com/daoyu15/status/1754740313770402208?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

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2024年3月1日星期五13:45, dzha4225 <dzha4225@protonmail.com> 来信: Someone here should

Also tell @rebecca21951651 that the final intranet takedown date for Batvirus is in February 2020, which is unfortunately two months before "far right forums" get any of the email addresses and passwords. Intelligence collection agencies are much more

likely to have known these and attempt to collect data. The correct way facing such issue is always to put up an immutable digitally signed copy on a public server immediately, In stead nothing happened.

https://gab.com/Flavinkins/posts/109119589216881037

People still seems to forget that can ping a server does not mean can access the database.

https://gab.com/Flavinkins/posts/109118879442600424

Regardless on how, why there is a hacking attempt in the first place and who is actually targeted by hacking attempts? And exactly how you can deduce that "it is fake"? And if you immediately say this attempt is "fake", then perhaps https://gab.com/Flavinkins/posts/109118879442600424https://twitter.com/daoyu15/st atus/1695771029875089813?s=46&t=wRQSWp\_1VffWmS2vKQwhSAShi's claim of "hacking" is just as fake as Sharyl?

Why not putting up a read-only copy on a secure server except when there is incriminating data that must be kept hidden for all causes especially from intelligence collectors?

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2024年3月1日星期五22:59, dzha4225 <dzha4225@protonmail.com> 来信:

It may also worth mentioning that rootclaim have provided two info that defeats miller's heavily strawmanned argument.

https://twitter.com/rootclaim/status/1758127978763125053?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

https://twitter.com/rootclaim/status/1753353199216439672?s=46&t=wRQSWp\_1Vff WmS2vKQwhSA

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