8/31/21 2021

! "#$%& '% (# '$) (#$) *%$) '$&+, -

! "#$%&"$%'($%#$)*+()#("(, %$- . /(. 0(#" , 12)*+(3*$'%"$%/(#%&"+%("*/($%#$)*+(0 . '($-%(1'%#%*4%(. 0( )*0%4$) . 3#(/)#%"#%5(6" , 12%#(. 0(&"#$%&"$%'("'%(1%') . /)4"227(4 . 22%4$%/(0' . , ($-%(#%&%'(#7#$% , (8%0 . '%('%"4-)*+("($'%"$, %*$(0"4)2)$75(9-)#(1382)4(-%"2$-(, %"#3'%(-"#("(1' . :%*('%4 . '/()*($'"4;)*+(4 . , , 3*)$7(#-%//)*+(. 0(:)'3#%#(#34-("#(1 . 2) . <(-%1"$)$)#(=("*/(* . ' . :)'3#5(9-%(3#%(. 0(&"#$%&"$%'($%#$)*+($. (, %"#3'%(4 . , , 3*)$7(-%"2$-(-"#(8%%*(#344%##0322 7("112)%/(2 . 4"227("*/()*$%'*"$) . *"227(0 . '(/%$%4$)*+(6=>6?@ . A?B<($-%(:)'3#($-"$(4"3#%#(@CA0E?FG5

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! ". %$) '$% (# '$) (#$) *%/0*%1 2 3 1 4 5 0 6 4 7 -

Recen e ea ch indica e ha concen a ion of SARS-CoV-2 i f agmen fo nd in a e a e end o inc ea e befo e indi id al in he comm ni ho ign o mp om of COVID-19. Thi can help o p o ide an ea l a ning of an inc ea e in he n mbe of infec ed people i hin a pecific comm ni , incl ding ho e ho a e infec ed b don' de elop mp om . Wa e a e moni o ing o k beca e infec ed people ma a hedding i in hei ool a fe da befo e he ho an mp om of di ea e, o e en if he ne e ho mp om .

e ed fo he p e ence of SARS-CoV-2 b D . Robe Wheele labo a o a he Uni e i of Maine. The e e a e e e an c ip ion pol me a e chain eac ion (RT- PCR) p oce ha de ec pecific gene ic f agmen f om he SARS-CoV-2 i . B e ing ice eekl , e can ack change in he amo n of i o e ime.

! "0%>0) '%$")%$) '$&+, -

6" , 12%#(0' . , ("22(0 . 3'(4" , 13#%#("'%("*"27M%/()*($-%(2"8(.0(N*):%'#)$7(.0(H")*%(=##.4)"$%(

SARS-CoV2-infec ed people on camp . Finding he i in he a e a e indica e

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!"'/L(4.22%4$%/($-%(#",12%#(.*($-'%%(.0(.3'(4",13#%#(IN*):%'#)$7(.0(H")*%<(N*):%'#)$7(.0(H")*%(
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$%#$)*+(2"8.'"$.'7(0.'("*"27#)#5(]"2%7(!"'/(4.22%4$%/(#",12%#(.*(N*):%'#)$7(.0(H")*%(67#$%,(
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9-'.3+-.3$($-%(0"22("*/(#1')*+(#%,%#$%'#(/3')*+($-%(B[B[?BF("4"/%,)4(7%"'<(&%('%2)%/(.*(
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$-%)'(3#%(/.%#(*.$(4.,1'.,)#%(.3'($%#$)*+(T3"2)$75(6)*4%(,)/?H"7(B[BF<(4.$$.*(#&"8#(-":%(