```
                                                                                22791
                                                                                  ▼
hCoV-19_Japan_Hiro66017_2020_EPI_ISL_855345_2020-03-14   1 TCGCTCCAGGGCAAACTGGAAAGATTGCTGATTATAATTATAAATTACCAGATGATTTTACAGGCTGCGTTATAGCTTGGAATTCTAACAATCTTGATTCTAAGGTTGGTGGTAATTATAATTACCTGTATAGATTGTTTAGGAAGTCTA   150
Hiro66017_14-03-2020                                     1 ........................................................................................................   150

hCoV-19_Japan_Hiro99262_2020_EPI_ISL_855346_2020-04-11   1 TCGCTCCAGGGCAAACTGGAAAGATTGCTGATTATAATTATAAATTACCAGATGATTTTACAGGCTGCGTTATAGCTTGGAATTCTAACAATCTTGATTCTAAGGTTGGTGGTAATTATAATTACCTGTATAGATTGTTTAGGAAGTCTA   150
Hiro99262_11-04-2020                                     1 ........................................................................................................   150

hCoV-19_Japan_Hiro99268_2020_EPI_ISL_855347_2020-04-11   1 TCGCTCCAGGGCAAACTGGAAAGATTGCTGATTATAATTATAAATTACCAGATGATTTTACAGGCTGCGTTATAGCTTGGAATTCTAACAATCTTGATTCTAAGGTTGGTGGTAATTATAATTACCTGTATAGATTGTTTAGGAAGTCTA   150
Hiro99268_11-04-2020                                     1 ........................................................................................................   150

hCoV-19_Japan_Hiro94253_2020_EPI_ISL_855348_2020-04-20   1 TCGCTCCAGGGCAAACTGGAAAGATTGCTGATTATAATTATAAATTACCAGATGATTTTACAGGCTGCGTTATAGCTTGGAATTCTAACAATCTTGATTCTAAGGTTGGTGGTAATTATAATTACCTGTATAGATTGTTTAGGAAGTCTA   150
Hiro94253_20-04-2020                                     1 ........................................................................................................   150

hCoV-19_Japan_Hiro96977_2020_EPI_ISL_855349_2020-07-27   1 TCGCTCCAGGGCAAACTGGAAAGATTGCTGATTATAATTATAAATTACCAGATGATTTTACAGGCTGCGTTATAGCTTGGAATTCTAACAATCTTGATTCTAAGGTTGGTGGTAATTATAATTACCTGTATAGATTGTTTAGGAAGTCTA   150
Hiro96977_27-07-2020                                     1 ........................................................................................................   150

hCoV-19_Japan_Hiro97166_2020_EPI_ISL_855350_2020-07-29   1 TCGCTCCAGGGCAAACTGGAAAGATTGCTGATTATAATTATAAATTACCAGATGATTTTACAGGCTGCGTTATAGCTTGGAATTCTAACAATCTTGATTCTAAGGTTGGTGGTAATTATAATTACCTGTATAGATTGTTTAGGAAGTCTA   150
Hiro97166_29-07-2020                                     1 ........................................................................................................   150

hCoV-19_Japan_Hiro97237_2020_EPI_ISL_855351_2020-07-30   1 TCGCTCCAGGGCAAACTGGAAAGATTGCTGATTATAATTATAAATTACCAGATGATTTTACAGGCTGCGTTATAGCTTGGAATTCTAACAATCTTGATTCTAAGGTTGGTGGTAATTATAATTACCTGTATAGATTGTTTAGGAAGTCTA   150
Hiro97237_30-07-2020                                     1 ........................................................................................................   150

hCoV-19_Japan_Hiro97618_2020_EPI_ISL_855352_2020-08-03   1 TCGCTCCAGGGCAAACTGGAAAGATTGCTGATTATAATTATAAATTACCAGATGATTTTACAGGCTGCGTTATAGCTTGGAATTCTAACAATCTTGATTCTAAGGTTGGTGGTAATTATAATTACCTGTATAGATTGTTTAGGAAGTCTA   150
Hiro97618_03-08-2020                                     1 ........................................................................................................   150
                                                           ************************************************************************************************************************************************

hCoV-19_Japan_Hiro66017_2020_EPI_ISL_855345_2020-03-14 151 ATCTCAAACCTTTTGAGAGAGATATTTCAACTGAAATCTATCAGGCCGGTAGCACACCTTGTAATGGTGTTGAAGGTTTTAATTGTTACTTTCCTTTACAATCATATGGTTTCCAACCCACTAATGGTGTTGGTTACCAACCATACAGAG   300
Hiro66017_14-03-2020                                     151 ........................................................................................................   300

hCoV-19_Japan_Hiro99262_2020_EPI_ISL_855346_2020-04-11 151 ATCTCAAACCTTTTGAGAGAGATATTTCAACTGAAATCTATCAGGCCGGTAGCACACCTTGTAATGGTGTTGAAGGTTTTAATTGTTACTTTCCTTTACAATCATATGGTTTCCAACCCACTAATGGTGTTGGTTACCAACCATACAGAG   300
Hiro99262_11-04-2020                                     151 ........................................................................................................   300

hCoV-19_Japan_Hiro99268_2020_EPI_ISL_855347_2020-04-11 151 ATCTCAAACCTTTTGAGAGAGATATTTCAACTGAAATCTATCAGGCCGGTAGCACACCTTGTAATGGTGTTGAAGGTTTTAATTGTTACTTTCCTTTACAATCATATGGTTTCCAACCCACTAATGGTGTTGGTTACCAACCATACAGAG   300
Hiro99268_11-04-2020                                     151 ........................................................................................................   300

hCoV-19_Japan_Hiro94253_2020_EPI_ISL_855348_2020-04-20 151 ATCTCAAACCTTTTGAGAGAGATATTTCAACTGAAATCTATCAGGCCGGTAGCACACCTTGTAATGGTGTTGAAGGTTTTAATTGTTACTTTCCTTTACAATCATATGGTTTCCAACCCACTAATGGTGTTGGTTACCAACCATACAGAG   300
Hiro94253_20-04-2020                                     151 ........................................................................................................   300

hCoV-19_Japan_Hiro96977_2020_EPI_ISL_855349_2020-07-27 151 ATCTCAAACCTTTTGAGAGAGATATTTCAACTGAAATCTATCAGGCCGGTAGCACACCTTGTAATGGTGTTGAAGGTTTTAATTGTTACTTTCCTTTACAATCATATGGTTTCCAACCCACTAATGGTGTTGGTTACCAACCATACAGAG   300
Hiro96977_27-07-2020                                     151 ........................................................................................................   300

hCoV-19_Japan_Hiro97166_2020_EPI_ISL_855350_2020-07-29 151 ATCTCAAACCTTTTGAGAGAGATATTTCAACTGAAATCTATCAGGCCGGTAGCACACCTTGTAATGGTGTTGAAGGTTTTAATTGTTACTTTCCTTTACAATCATATGGTTTCCAACCCACTAATGGTGTTGGTTACCAACCATACAGAG   300
Hiro97166_29-07-2020                                     151 ........................................................................................................   300

hCoV-19_Japan_Hiro97237_2020_EPI_ISL_855351_2020-07-30 151 ATCTCAAACCTTTTGAGAGAGATATTTCAACTGAAATCTATCAGGCCGGTAGCACACCTTGTAATGGTGTTGAAGGTTTTAATTGTTACTTTCCTTTACAATCATATGGTTTCCAACCCACTAATGGTGTTGGTTACCAACCATACAGAG   300
Hiro97237_30-07-2020                                     151 ........................................................................................................   300

hCoV-19_Japan_Hiro97618_2020_EPI_ISL_855352_2020-08-03 151 ATCTCAAACCTTTTGAGAGAGATATTTCAACTGAAATCTATCAGGCCGGTAGCACACCTTGTAATGGTGTTGAAGGTTTTAATTGTTACTTTCCTTTACAATCATATGGTTTCCAACCCACTAATGGTGTTGGTTACCAACCATACAGAG   300
Hiro97618_03-08-2020                                     151 ........................................................................................................   300
                                                           ************************************************************************************************************************************************

hCoV-19_Japan_Hiro66017_2020_EPI_ISL_855345_2020-03-14 301 TAGTAGTACTTTCTTTTGAACTTCTACATGCACCAGCAACTGTTTGTGGACCTAAAAAGTCTACTAATTTGGTTAAAAACAAATGTGTCAATTTCAACTTCAATGGTTTAACAGGCACAGGTGTTCTTACTGAGTCTAACAAAAAGTTTC   450
Hiro66017_14-03-2020                                     301 ........................................................................................................   450

hCoV-19_Japan_Hiro99262_2020_EPI_ISL_855346_2020-04-11 301 TAGTAGTACTTTCTTTTGAACTTCTACATGCACCAGCAACTGTTTGTGGACCTAAAAAGTCTACTAATTTGGTTAAAAACAAATGTGTCAATTTCAACTTCAATGGTTTAACAGGCACAGGTGTTCTTACTGAGTCTAACAAAAAGTTTC   450
Hiro99262_11-04-2020                                     301 ........................................................................................................   450

hCoV-19_Japan_Hiro99268_2020_EPI_ISL_855347_2020-04-11 301 TAGTAGTACTTTCTTTTGAACTTCTACATGCACCAGCAACTGTTTGTGGACCTAAAAAGTCTACTAATTTGGTTAAAAACAAATGTGTCAATTTCAACTTCAATGGTTTAACAGGCACAGGTGTTCTTACTGAGTCTAACAAAAAGTTTC   450
Hiro99268_11-04-2020                                     301 ........................................................................................................   450

hCoV-19_Japan_Hiro94253_2020_EPI_ISL_855348_2020-04-20 301 TAGTAGTACTTTCTTTTGAACTTCTACATGCACCAGCAACTGTTTGTGGACCTAAAAAGTCTACTAATTTGGTTAAAAACAAATGTGTCAATTTCAACTTCAATGGTTTAACAGGCACAGGTGTTCTTACTGAGTCTAACAAAAAGTTTC   450
Hiro94253_20-04-2020                                     301 ........................................................................................................   450

hCoV-19_Japan_Hiro96977_2020_EPI_ISL_855349_2020-07-27 301 TAGTAGTACTTTCTTTTGAACTTCTACATGCACCAGCAACTGTTTGTGGACCTAAAAAGTCTACTAATTTGGTTAAAAACAAATGTGTCAATTTCAACTTCAATGGTTTAACAGGCACAGGTGTTCTTACTGAGTCTAACAAAAAGTTTC   450
Hiro96977_27-07-2020                                     301 ........................................................................................................   450

hCoV-19_Japan_Hiro97166_2020_EPI_ISL_855350_2020-07-29 301 TAGTAGTACTTTCTTTTGAACTTCTACATGCACCAGCAACTGTTTGTGGACCTAAAAAGTCTACTAATTTGGTTAAAAACAAATGTGTCAATTTCAACTTCAATGGTTTAACAGGCACAGGTGTTCTTACTGAGTCTAACAAAAAGTTTC   450
Hiro97166_29-07-2020                                     301 ........................................................................................................   450

hCoV-19_Japan_Hiro97237_2020_EPI_ISL_855351_2020-07-30 301 TAGTAGTACTTTCTTTTGAACTTCTACATGCACCAGCAACTGTTTGTGGACCTAAAAAGTCTACTAATTTGGTTAAAAACAAATGTGTCAATTTCAACTTCAATGGTTTAACAGGCACAGGTGTTCTTACTGAGTCTAACAAAAAGTTTC   450
Hiro97237_30-07-2020                                     301 ........................................................................................................   450

hCoV-19_Japan_Hiro97618_2020_EPI_ISL_855352_2020-08-03 301 TAGTAGTACTTTCTTTTGAACTTCTACATGCACCAGCAACTGTTTGTGGACCTAAAAAGTCTACTAATTTGGTTAAAAACAAATGTGTCAATTTCAACTTCAATGGTTTAACAGGCACAGGTGTTCTTACTGAGTCTAACAAAAAGTTTC   450
Hiro97618_03-08-2020                                     301 ........................................................................................................   450
                                                           ************************************************************************************************************************************************

hCoV-19_Japan_Hiro66017_2020_EPI_ISL_855345_2020-03-14 451 TGCCTTTCCAACAATTTGGCAGAGACATTGCTGACACTACTGATGCTGTCCGTGATCCACAGACACTTGAGATTCTTGACATTACACCATGTTCTTTTGGTGGTGTCAGTGTTATAACACCAGGAACAAATACTTCTAACCAGGTTGCTG   600
Hiro66017_14-03-2020                                     451 ........................................................................................................   600

hCoV-19_Japan_Hiro99262_2020_EPI_ISL_855346_2020-04-11 451 TGCCTTTCCAACAATTTGGCAGAGACATTGCTGACACTACTGATGCTGTCCGTGATCCACAGACACTTGAGATTCTTGACATTACACCATGTTCTTTTGGTGGTGTCAGTGTTATAACACCAGGAACAAATACTTCTAACCAGGTTGCTG   600
Hiro99262_11-04-2020                                     451 ........................................................................................................   600

hCoV-19_Japan_Hiro99268_2020_EPI_ISL_855347_2020-04-11 451 TGCCTTTCCAACAATTTGGCAGAGACATTGCTGACACTACTGATGCTGTCCGTGATCCACAGACACTTGAGATTCTTGACATTACACCATGTTCTTTTGGTGGTGTCAGTGTTATAACACCAGGAACAAATACTTCTAACCAGGTTGCTG   600
Hiro99268_11-04-2020                                     451 ........................................................................................................   600

hCoV-19_Japan_Hiro94253_2020_EPI_ISL_855348_2020-04-20 451 TGCCTTTCCAACAATTTGGCAGAGACATTGCTGACACTACTGATGCTGTCCGTGATCCACAGACACTTGAGATTCTTGACATTACACCATGTTCTTTTGGTGGTGTCAGTGTTATAACACCAGGAACAAATACTTCTAACCAGGTTGCTG   600
Hiro94253_20-04-2020                                     451 ........................................................................................................   600

hCoV-19_Japan_Hiro96977_2020_EPI_ISL_855349_2020-07-27 451 TGCCTTTCCAACAATTTGGCAGAGACATTGCTGACACTACTGATGCTGTCCGTGATCCACAGACACTTGAGATTCTTGACATTACACCATGTTCTTTTGGTGGTGTCAGTGTTATAACACCAGGAACAAATACTTCTAACCAGGTTGCTG   600
Hiro96977_27-07-2020                                     451 ........................................................................................................   600

hCoV-19_Japan_Hiro97166_2020_EPI_ISL_855350_2020-07-29 451 TGCCTTTCCAACAATTTGGCAGAGACATTGCTGACACTACTGATGCTGTCCGTGATCCACAGACACTTGAGATTCTTGACATTACACCATGTTCTTTTGGTGGTGTCAGTGTTATAACACCAGGAACAAATACTTCTAACCAGGTTGCTG   600
Hiro97166_29-07-2020                                     451 ........................................................................................................   600

hCoV-19_Japan_Hiro97237_2020_EPI_ISL_855351_2020-07-30 451 TGCCTTTCCAACAATTTGGCAGAGACATTGCTGACACTACTGATGCTGTCCGTGATCCACAGACACTTGAGATTCTTGACATTACACCATGTTCTTTTGGTGGTGTCAGTGTTATAACACCAGGAACAAATACTTCTAACCAGGTTGCTG   600
Hiro97237_30-07-2020                                     451 ........................................................................................................   600

hCoV-19_Japan_Hiro97618_2020_EPI_ISL_855352_2020-08-03 451 TGCCTTTCCAACAATTTGGCAGAGACATTGCTGACACTACTGATGCTGTCCGTGATCCACAGACACTTGAGATTCTTGACATTACACCATGTTCTTTTGGTGGTGTCAGTGTTATAACACCAGGAACAAATACTTCTAACCAGGTTGCTG   600
Hiro97618_03-08-2020                                     451 ........................................................................................................   600
                                                           ************************************************************************************************************************************************

hCoV-19_Japan_Hiro66017_2020_EPI_ISL_855345_2020-03-14 601 TTCTTTATCAGGATGTTAACTGCACAGAAGTCCCT                                                                                                                                                   635
Hiro66017_14-03-2020                                     601 ...................................                                                                                                                                                   635

hCoV-19_Japan_Hiro99262_2020_EPI_ISL_855346_2020-04-11 601 TTCTTTATCAGGGTGTTAACTGCACAGAAGTCCCT                                                                                                                                                   635
Hiro99262_11-04-2020                                     601 ...................................                                                                                                                                                   635

hCoV-19_Japan_Hiro99268_2020_EPI_ISL_855347_2020-04-11 601 TTCTTTATCAGGGTGTTAACTGCACAGAAGTCCCT                                                                                                                                                   635
Hiro99268_11-04-2020                                     601 ...................................                                                                                                                                                   635

hCoV-19_Japan_Hiro94253_2020_EPI_ISL_855348_2020-04-20 601 TTCTTTATCAGGGTGTTAACTGCACAGAAGTCCCT                                                                                                                                                   635
Hiro94253_20-04-2020                                     601 ...................................                                                                                                                                                   635

hCoV-19_Japan_Hiro96977_2020_EPI_ISL_855349_2020-07-27 601 TTCTTTATCAGGGTGTTAACTGCACAGAAGTCCCT                                                                                                                                                   635
Hiro96977_27-07-2020                                     601 ...................................                                                                                                                                                   635

hCoV-19_Japan_Hiro97166_2020_EPI_ISL_855350_2020-07-29 601 TTCTTTATCAGGGTGTTAACTGCACAGAAGTCCCT                                                                                                                                                   635
Hiro97166_29-07-2020                                     601 ...................................                                                                                                                                                   635

hCoV-19_Japan_Hiro97237_2020_EPI_ISL_855351_2020-07-30 601 TTCTTTATCAGGGTGTTAACTGCACAGAAGTCCCT                                                                                                                                                   635
Hiro97237_30-07-2020                                     601 ...................................                                                                                                                                                   635

hCoV-19_Japan_Hiro97618_2020_EPI_ISL_855352_2020-08-03 601 TTCTTTATCAGGGTGTTAACTGCACAGAAGTCCCT                                                                                                                                                   635
Hiro97618_03-08-2020                                     601 ...................................                                                                                                                                                   635
                                                           **********************************
```

Supplementary Figure S1: The validity of amplification and sequencing between Sanger Vs Next Generation Sequencing (NGS)