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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NCBI accession | Isolate ID | Case ID | NGS platform | Library type | Virus sample set | NGS run | Mapped reads | Mean (stdev) coverage | Sequence length+ | N coverage | P coverage | M coverage | G coverage | L coverage | Sample Collection Date | Outbreak place | Region | Province | District |
| PP965373 | 1101786 | - | Illumina | Metagenomic | 1 | illumina-1 | 173909 | 2987 (741) | 11869 | 100.00% | 100.00% | 100.00% | 99.94% | 99.95% | 26-Mar-11 | Puno | Puno | Azangaro | Caminaca |
| KU938752\* | 1101787 | - | Illumina | Metagenomic | 1 | illumina-1 | 731825 | 6536 (1471) | 11874 | 100.00% | 100.00% | 100.00% | 99.94% | 99.95% | 03-Mar-11 | Puno | Puno | Azangaro | Caminaca |
| KU938829\* | 1203037 | - | Illumina | Metagenomic | 1 | illumina-1 | 12966 | 237 (169) | 11842 | 100.00% | 100.00% | 100.00% | 99.94% | 99.95% | 08-May-12 | Puno | Puno | Puno | Atuncolla |
| PP965367 | 107\_2018 | - | Illumina | Metagenomic | 2 | Illumina-2 | 1955 | 47 (52) | 10500 | 100.00% | 99.78% | 100.00% | 99.75% | 92.14% | 25-Mar-18 | Arequipa | Arequipa | Arequipa | Cerro Colorado |
| PP965364 | 107\_2021 | 6 | Nanopore | Amplicon | 3 | nano-1 | 360339 | 13521 (7447) | 10563 | 57.21% | 81.21% | 100.00% | 73.27% | 99.95% | 20-Mar-21 | El Pedregal | Arequipa | Caylloma | Majes |
| PP965360 | 121\_2019 | - | Illumina | Metagenomic | 2 | Illumina-2 | 1236 | 30 (12) | 11791 | 100.00% | 99.78% | 100.00% | 99.75% | 99.92% | 22-Apr-19 | Arequipa | Arequipa | Arequipa | Cerro Colorado |
| PP965366 | 126\_2021 | - | Nanopore | Amplicon | 3 | nano-2 | 41076 | 1826 (726) | 11816 | 100.00% | 100.00% | 100.00% | 99.94% | 99.95% | 31-Mar-21 | Arequipa | Arequipa | Arequipa | Cerro Colorado |
| PP965361 | 145\_2022 | - | Nanopore | Amplicon | 3 | nano-2 | 69588 | 2757 (1405) | 11827 | 100.00% | 100.00% | 100.00% | 99.94% | 99.95% | 09-Jun-22 | Arequipa | Arequipa | Arequipa | Cerro Colorado |
| PP965351 | 147\_2021 | 7 | Nanopore | Amplicon | 3 | nano-1 | 372481 | 14426 (6599) | 10565 | 57.21% | 81.21% | 100.00% | 73.27% | 99.95% | 19-Apr-21 | El Pedregal | Arequipa | Caylloma | Majes |
| PP965365 | 147\_2022 | - | Nanopore | Amplicon | 3 | nano-2 | 35162 | 1666 (1144) | 10752 | 100.00% | 100.00% | 100.00% | 84.76% | 92.13% | 10-Jun-22 | Arequipa | Arequipa | Arequipa | Yura |
| PP965369 | 158\_2022 | - | Nanopore | Amplicon | 3 | nano-2 | 26045 | 1500 (545) | 11825 | 100.00% | 100.00% | 100.00% | 99.94% | 99.95% | 21-Jun-22 | Arequipa | Arequipa | Arequipa | Jacobo Hunter |
| PP965371 | 172\_2022 | - | Nanopore | Amplicon | 3 | nano-2 | 83048 | 3167 (1618) | 11812 | 100.00% | 100.00% | 100.00% | 99.94% | 99.95% | 08-Jul-22 | Arequipa | Arequipa | Arequipa | Cayma |
| PP965368 | 173\_2022 | - | Nanopore | Amplicon | 3 | nano-2 | 60646 | 2606 (1257) | 11819 | 100.00% | 100.00% | 100.00% | 99.94% | 99.95% | 12-Jul-22 | Arequipa | Arequipa | Arequipa | Jacobo Hunter |
| PP965362 | 182\_2019 | - | Illumina | Metagenomic | 2 | Illumina-2 | 1044 | 25 (16) | 11273 | 100.00% | 99.33% | 100.00% | 99.05% | 99.58% | 16-Jun-19 | Arequipa | Arequipa | Arequipa | Alto Selva Alegre |
| PP965344 | 202\_2021 | 8 | Nanopore | Amplicon | 3 | nano-1 | 112087 | 7031 (1900) | 10563 | 57.21% | 81.21% | 100.00% | 73.27% | 99.95% | 14-Jun-21 | El Pedregal | Arequipa | Caylloma | Majes |
| PP965347 | 219\_2022 | - | Nanopore | Amplicon | 3 | nano-2 | 36608 | 2472 (878) | 11822 | 100.00% | 100.00% | 100.00% | 99.94% | 99.95% | 31-Aug-22 | Arequipa | Arequipa | Arequipa | Characato |
| PP965374 | 231\_2021 | - | Nanopore | Amplicon | 3 | nano-2 | 28192 | 1405 (515) | 11801 | 100.00% | 100.00% | 100.00% | 99.94% | 99.95% | 15-Jul-21 | Arequipa | Arequipa | Arequipa | Cerro Colorado |
| PP965345 | 236\_2022 | 12 | Nanopore | Amplicon | 3 | nano-1 | 758917 | 25058 (17387) | 9755 | 57.35% | 81.21% | 100.00% | 64.95% | 95.99% | 07-Sep-22 | El Pedregal | Arequipa | Caylloma | Majes |
| PP965363 | 250\_2021 | 9 | Nanopore | Amplicon | 3 | nano-1 | 350173 | 14068 (5935) | 10565 | 57.21% | 81.21% | 100.00% | 73.27% | 99.95% | 10-Aug-21 | El Pedregal | Arequipa | Caylloma | Majes |
| PP965354 | 251\_2021 | 10 | Nanopore | Amplicon | 3 | nano-1 | 115094 | 7740 (2039) | 10565 | 57.21% | 81.21% | 100.00% | 73.27% | 99.95% | 10-Aug-21 | El Pedregal | Arequipa | Caylloma | Majes |
| PP965359 | 30\_2021 | - | Nanopore | Amplicon | 3 | nano-2 | 50742 | 2183 (936) | 11821 | 100.00% | 100.00% | 100.00% | 99.94% | 99.95% | 05-Feb-21 | Arequipa | Arequipa | Arequipa | Yura |
| PP965357 | 31\_2021 | - | Nanopore | Amplicon | 3 | nano-2 | 71634 | 2593 (1262) | 11820 | 100.00% | 100.00% | 100.00% | 99.94% | 99.95% | 08-Feb-21 | Arequipa | Arequipa | Arequipa | Cerro Colorado |
| PP965349 | 34\_2021 | 1 | Nanopore | Amplicon | 3 | nano-1 | 148926 | 7481 (2403) | 10565 | 57.21% | 81.21% | 100.00% | 73.27% | 99.95% | 10-Feb-21 | El Pedregal | Arequipa | Caylloma | Majes |
| PP965355 | 3553\_2010 | - | Illumina | Metagenomic | 1 | Illumina-2 | 3848 | 95 (52) | 11904 | 100.00% | 99.89% | 100.00% | 99.81% | 99.94% | 2010 | Puno | Puno | Azangaro |  |
| PP965352 | 375\_2017 | - | Illumina | Metagenomic | 2 | Illumina-2 | 3545 | 88 (82) | 11893 | 100.00% | 99.33% | 100.00% | 99.24% | 99.80% | 23-Nov-17 | Arequipa | Arequipa | Arequipa | Mariano Melgar |
| PP965353 | 40\_2021 | - | Nanopore | Amplicon | 3 | nano-2 | 9237 | 393 (169) | 11826 | 100.00% | 100.00% | 100.00% | 99.94% | 99.95% | 15-Feb-21 | Arequipa | Arequipa | Arequipa | Cerro Colorado |
| PP965343 | 52\_2021 | 2 | Nanopore | Amplicon | 3 | nano-1 | 47951 | 3833 (1027) | 10565 | 57.21% | 81.21% | 100.00% | 73.27% | 99.95% | 24-Feb-21 | El Pedregal | Arequipa | Caylloma | Majes |
| PP965358 | 56\_2021 | - | Nanopore | Amplicon | 3 | nano-2 | 70889 | 2336 (1445) | 11580 | 100.00% | 100.00% | 100.00% | 99.94% | 99.95% | 27-Feb-21 | Arequipa | Arequipa | Arequipa | Yura |
| PP965348 | 560\_2015 | - | Illumina | Metagenomic | 2 | Illumina-2 | 2106 | 52 (30) | 11884 | 100.00% | 99.33% | 100.00% | 99.17% | 99.78% | 07-Sep-15 | Arequipa | Arequipa | Arequipa | Mariano Melgar |
| PP965346 | 61\_2021 | - | Nanopore | Amplicon | 3 | nano-2 | 70413 | 2947 (1222) | 11826 | 100.00% | 100.00% | 100.00% | 99.94% | 99.95% | 01-Mar-21 | Arequipa | Arequipa | Arequipa | Cerro Colorado |
| PP965356 | 68\_2021 | 3 | Nanopore | Amplicon | 3 | nano-1 | 245893 | 10765 (4169) | 10563 | 57.21% | 81.21% | 100.00% | 73.27% | 99.95% | 03-Mar-21 | El Pedregal | Arequipa | Caylloma | Majes |
| PP965350 | 71\_2021 | 4 | Nanopore | Amplicon | 3 | nano-1 | 328914 | 13188 (5130) | 10564 | 57.21% | 81.21% | 100.00% | 73.27% | 99.95% | 06-Mar-21 | El Pedregal | Arequipa | Caylloma | Majes |
| PP965370 | 73\_2021 | 5 | Nanopore | Amplicon | 3 | nano-1 | 42452 | 3467 (812) | 10564 | 57.21% | 81.21% | 100.00% | 73.27% | 99.95% | 06-Mar-21 | El Pedregal | Arequipa | Caylloma | Majes |
| PP965372 | 90\_2021 | - | Nanopore | Amplicon | 3 | nano-2 | 45757 | 1838 (825) | 11826 | 100.00% | 100.00% | 100.00% | 99.94% | 99.95% | 13-Mar-21 | Arequipa | Arequipa | Arequipa | Yura |

\*Genbank records updated

Coding region coverage is indicated according to each gene (N, P, M, G, L)