Table 1: Mono\_chu - Hunter: Table of viral groups detected across query sequences

| Virus Group | Number of Unique Runs | Runs Found |
| --- | --- | --- |
| Amalgaviridae | 1 | SRR16842795 |
| Astroviridae | 8 | SRR12001320, SRR20210901, SRR20210902, SRR20210903, SRR20210904, SRR20210906, SRR20210909, SRR20210912 |
| Betaflexiviridae | 1 | SRR16842795 |
| Bornaviridae | 7 | SRR17216491, SRR20210901, SRR20210902, SRR20210903, SRR20210906, SRR20210909, SRR20210912 |
| Botourmiaviridae | 2 | SRR14579862, SRR17216262 |
| Bromoviridae | 1 | SRR16842795 |
| Chrysoviridae | 1 | SRR13631492 |
| Chuviridae | 4 | SRR14579810, SRR17216498, SRR20665092, SRR22952835 |
| Closteroviridae | 1 | SRR22952835 |
| Coronaviridae | 1 | SRR14579862 |
| Dicistroviridae | 1 | SRR12001320 |
| Discoviridae | 1 | SRR13631492 |
| Endornaviridae | 3 | SRR12001320, SRR13631492, SRR16842795 |
| Flaviviridae | 12 | SRR12430148, SRR12430149, SRR12430151, SRR12430176, SRR17216262, SRR17216496, SRR18894134, SRR18894135, SRR18894136, SRR18894137, SRR18894138, SRR18894139 |
| Hantaviridae | 5 | SRR17216481, SRR17216486, SRR17216491, SRR17216496, SRR17216498 |
| Iflaviridae | 1 | SRR12001320 |
| Lispiviridae | 1 | SRR12001320 |
| Mitoviridae | 1 | SRR16842795 |
| Mymonaviridae | 2 | SRR12001320, SRR16842795 |
| Nodaviridae | 1 | SRR20665092 |
| Nyamiviridae | 1 | SRR17721694 |
| Orthomyxoviridae | 2 | SRR17216498, SRR18171533 |
| Paramyxoviridae | 21 | ERR6509773, SRR12430148, SRR12430149, SRR12430151, SRR12430155, SRR12430156, SRR12430174, SRR12430176, SRR13631492, SRR14579862, SRR17216481, SRR17216486, SRR17216491, SRR17216496, SRR17216498, SRR18894134, SRR18894135, SRR18894136, SRR18894137, SRR18894138, SRR18894139 |
| Partitiviridae | 3 | SRR12001320, SRR13631492, SRR16842795 |
| Permutotetraviridae | 1 | SRR13631492 |
| Phenuiviridae | 3 | SRR12001320, SRR14579810, SRR17216287 |
| Picobirnaviridae | 1 | SRR16842795 |
| Picornaviridae | 3 | SRR12001320, SRR12430149, SRR16842795 |
| Potyviridae | 2 | SRR12805715, SRR22952835 |
| Rhabdoviridae | 7 | SRR12032699, SRR12805715, SRR17216287, SRR17721719, SRR18171533, SRR18171541, SRR19431078 |
| Sedoreoviridae | 6 | SRR20210901, SRR20210902, SRR20210903, SRR20210906, SRR20210909, SRR20210912 |
| Tobaniviridae | 1 | SRR13631492 |
| Tombusviridae | 2 | SRR12001320, SRR16842795 |
| Totiviridae | 6 | ERR6509773, SRR13631492, SRR18171533, SRR18171541, SRR20210904, SRR20665092 |
| Tymoviridae | 1 | SRR12001320 |
| Virgaviridae | 2 | SRR12430174, SRR13631492 |
| unclassified | 11 | ERR6509773, SRR12001320, SRR13631492, SRR14579810, SRR14579862, SRR16842795, SRR17216287, SRR17216498, SRR18894134, SRR20665092, SRR22952835 |
| unclassified Kitrinoviricota | 1 | SRR22952835 |
| unclassified Pisuviricota | 2 | SRR12001320, SRR13631492 |