Table 1: Mono\_chu - Gatherer: Contig Length [nt] for each group

| group | median | Q1 | Q3 | mean | sd | min | max |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Coronaviridae | 14296.0 | 14296.00 | 14296.00 | 14296.0000 | NA | 14296 | 14296 |
| Flaviviridae | 8928.0 | 2100.00 | 8945.00 | 5717.6667 | 3913.42804 | 554 | 9079 |
| Mimiviridae | 8674.0 | 8674.00 | 8674.00 | 8674.0000 | NA | 8674 | 8674 |
| Paramyxoviridae | 6229.0 | 357.50 | 13840.00 | 7436.0968 | 7048.48102 | 142 | 17699 |
| Phenuiviridae | 3997.5 | 2291.75 | 5703.25 | 3997.5000 | 4824.58957 | 586 | 7409 |
| Fiersviridae | 3776.0 | 2945.00 | 3936.50 | 3329.0000 | 1064.39138 | 2114 | 4097 |
| Phycodnaviridae | 2989.0 | 2345.75 | 3069.75 | 2426.5000 | 1223.17524 | 596 | 3132 |
| unclassified Uroviricota | 2724.0 | 2426.50 | 3021.50 | 2724.0000 | 841.45707 | 2129 | 3319 |
| Baculoviridae | 2597.0 | 1977.00 | 3217.00 | 2597.0000 | 1753.62482 | 1357 | 3837 |
| Blumeviridae | 2365.0 | 1569.00 | 3161.00 | 2365.0000 | 2251.42799 | 773 | 3957 |
| Bornaviridae | 2311.0 | 1417.50 | 3160.00 | 2318.8571 | 1435.11363 | 262 | 4504 |
| Virgaviridae | 1934.5 | 1094.75 | 2774.25 | 1934.5000 | 2375.17168 | 255 | 3614 |
| Mitoviridae | 1761.0 | 789.25 | 2211.50 | 1496.3333 | 906.23632 | 275 | 2354 |
| Lispiviridae | 1611.0 | 1611.00 | 1611.00 | 1611.0000 | NA | 1611 | 1611 |
| Tobaniviridae | 1404.5 | 973.25 | 1835.75 | 1404.5000 | 1219.75920 | 542 | 2267 |
| Chuviridae | 1178.5 | 703.25 | 1653.75 | 1178.5000 | 1344.20999 | 228 | 2129 |
| Discoviridae | 1128.5 | 1005.75 | 1251.25 | 1128.5000 | 347.18943 | 883 | 1374 |
| Hantaviridae | 945.5 | 461.75 | 1288.25 | 1529.5000 | 1935.73444 | 155 | 6522 |
| Picobirnaviridae | 935.5 | 739.50 | 1254.25 | 1058.2500 | 430.94189 | 720 | 1642 |
| Orthoherpesviridae | 847.0 | 847.00 | 847.00 | 847.0000 | NA | 847 | 847 |
| Iflaviridae | 819.5 | 760.75 | 878.25 | 819.5000 | 166.17009 | 702 | 937 |
| unclassified | 723.5 | 279.25 | 1626.00 | 1308.5526 | 1710.69549 | 113 | 7961 |
| Betaflexiviridae | 620.0 | 620.00 | 620.00 | 620.0000 | NA | 620 | 620 |
| Rhabdoviridae | 496.5 | 289.00 | 2186.50 | 2980.5000 | 4786.89656 | 109 | 12782 |
| Secoviridae | 462.0 | 462.00 | 462.00 | 462.0000 | NA | 462 | 462 |
| Iridoviridae | 461.0 | 412.00 | 1014.00 | 1190.3902 | 1827.82310 | 323 | 10146 |
| Picornaviridae | 440.0 | 440.00 | 440.00 | 440.0000 | NA | 440 | 440 |
| Potyviridae | 427.0 | 427.00 | 427.00 | 427.0000 | NA | 427 | 427 |
| Amalgaviridae | 353.5 | 303.75 | 403.25 | 353.5000 | 140.71425 | 254 | 453 |
| Bromoviridae | 343.5 | 280.75 | 406.25 | 343.5000 | 177.48380 | 218 | 469 |
| Partitiviridae | 338.0 | 265.50 | 1563.00 | 851.9333 | 753.70366 | 125 | 2142 |
| Tombusviridae | 235.0 | 229.00 | 241.00 | 235.0000 | 16.97056 | 223 | 247 |
| unclassified Kitrinoviricota | 223.0 | 212.50 | 233.00 | 222.6667 | 20.50203 | 202 | 243 |
| Totiviridae | 218.0 | 146.50 | 264.50 | 210.4286 | 81.02851 | 106 | 327 |
| Astroviridae | 217.0 | 211.50 | 263.00 | 247.0000 | 61.63873 | 192 | 371 |
| Botourmiaviridae | 212.5 | 208.25 | 216.75 | 212.5000 | 12.02082 | 204 | 221 |
| Sedoreoviridae | 209.0 | 197.00 | 238.00 | 228.1429 | 53.61725 | 182 | 336 |
| Nodaviridae | 205.0 | 205.00 | 205.00 | 205.0000 | NA | 205 | 205 |
| Steitzviridae | 192.0 | 192.00 | 192.00 | 192.0000 | NA | 192 | 192 |
| Chrysoviridae | 112.0 | 112.00 | 112.00 | 112.0000 | NA | 112 | 112 |