Table 1: Bunya-Arena - Gatherer: E-values for each group

| group | median | Q1 | Q3 | mean | sd | min | max |
| --- | --- | --- | --- | --- | --- | --- | --- |
| unclassified Pisuviricota | 177.55284197 | 50.57459114 | 177.55284197 | 124.13433221 | 69.4257951 | 18.168770306 | 177.55284197 |
| Virgaviridae | 127.92081875 | 71.85674033 | 177.55284197 | 119.23880701 | 61.5105964 | 30.378823718 | 177.55284197 |
| Astroviridae | 91.55284197 | 44.42418792 | 177.55284197 | 106.01691593 | 63.1508846 | 13.634512015 | 177.55284197 |
| Discoviridae | 83.85078089 | 51.00436481 | 149.19044029 | 100.93572322 | 59.2166259 | 28.406713933 | 177.55284197 |
| Picornaviridae | 75.53165267 | 35.65364703 | 177.55284197 | 91.37145160 | 63.5915562 | 1.698970004 | 177.55284197 |
| Paramyxoviridae | 70.28903688 | 37.50031292 | 83.25492521 | 67.03375224 | 41.2362432 | 12.394694954 | 155.86012091 |
| Alphaflexiviridae | 63.55253198 | 42.25165698 | 84.85340698 | 63.55253198 | 60.2479726 | 20.950781977 | 106.15428198 |
| Sedoreoviridae | 49.97469413 | 32.59654389 | 88.02530256 | 70.32670416 | 54.3699123 | 23.515700161 | 177.55284197 |
| Solemoviridae | 46.70039427 | 34.52601713 | 58.87477140 | 46.70039427 | 34.4343385 | 22.351639989 | 71.04914854 |
| Hantaviridae | 43.60380065 | 21.71385470 | 110.57832131 | 73.66018379 | 92.5982346 | -0.176091259 | 177.55284197 |
| Tobaniviridae | 42.67265718 | 27.49716596 | 81.23672716 | 66.06123595 | 77.0190861 | 1.346787486 | 177.55284197 |
| Rhabdoviridae | 41.44855000 | 26.55600860 | 67.61204157 | 60.63849085 | 57.1007454 | 17.131943638 | 177.55284197 |
| Mymonaviridae | 36.06348626 | 36.06348626 | 36.06348626 | 36.06348626 | NA | 36.063486258 | 36.06348626 |
| Picobirnaviridae | 34.37365963 | 21.58510697 | 63.37644933 | 54.94227412 | 50.1751206 | 4.264401100 | 177.55284197 |
| Iflaviridae | 32.12840980 | 13.27016812 | 40.59874003 | 29.84533767 | 21.9609596 | 2.698970004 | 61.70996539 |
| Phasmaviridae | 31.50855923 | 23.81306451 | 55.67527786 | 50.97054709 | 55.5668212 | 0.004364805 | 177.55284197 |
| Spinareoviridae | 31.43830614 | 28.34936690 | 34.52724539 | 31.43830614 | 8.7368395 | 25.260427656 | 37.61618463 |
| Caliciviridae | 30.88941029 | 29.91364017 | 42.51999306 | 58.76849235 | 67.2335420 | 12.966576245 | 177.55284197 |
| Phenuiviridae | 28.94698959 | 13.44538948 | 47.09651231 | 44.06940219 | 50.0627765 | 0.050609993 | 177.55284197 |
| Nodaviridae | 28.31966449 | 28.31966449 | 28.31966449 | 28.31966449 | NA | 28.319664487 | 28.31966449 |
| Dicistroviridae | 27.98716278 | 20.78251606 | 40.92081875 | 28.36846169 | 18.2705733 | 2.522878745 | 49.62893214 |
| Steitzviridae | 24.51855737 | 9.56383735 | 32.58670024 | 29.83852503 | 35.0635239 | -0.505149978 | 138.20901152 |
| Bromoviridae | 24.20273246 | 24.20273246 | 24.20273246 | 24.20273246 | NA | 24.202732459 | 24.20273246 |
| Iridoviridae | 24.11074530 | 7.97751076 | 37.52249724 | 25.99163778 | 22.3394996 | 2.698970004 | 60.43651891 |
| Duinviridae | 23.21956268 | 15.32814174 | 37.44513007 | 27.93880006 | 19.5898918 | 3.882728704 | 102.19044029 |
| Totiviridae | 21.45111113 | 13.70604544 | 28.12718759 | 21.86205552 | 10.4671306 | -0.556302501 | 45.27490548 |
| Botourmiaviridae | 20.88198343 | 13.87860460 | 26.23923421 | 20.53805723 | 10.1680596 | 7.769551079 | 38.11069830 |
| Chuviridae | 20.67543289 | 16.95863913 | 24.39222665 | 20.67543289 | 10.5126803 | 13.241845378 | 28.10902040 |
| Blumeviridae | 19.08619907 | 13.04362607 | 30.95624102 | 25.79939773 | 20.5043986 | 3.107905397 | 83.78781240 |
| Narnaviridae | 18.93554201 | 12.94123178 | 20.08718310 | 15.70709592 | 7.6734457 | 6.946921557 | 21.23882419 |
| Lispiviridae | 18.33428635 | 9.07909755 | 27.58947516 | 18.33428635 | 26.1776271 | -0.176091259 | 36.84466396 |
| Betaflexiviridae | 17.94593745 | 12.42106687 | 23.47080804 | 17.94593745 | 15.6266938 | 6.896196279 | 28.99567863 |
| Tombusviridae | 16.39577395 | 9.96189102 | 75.44127817 | 52.62952135 | 69.8965289 | 3.651695137 | 177.55284197 |
| Tymoviridae | 16.02456819 | 14.56763324 | 70.69454222 | 51.49992758 | 63.9851995 | 13.110698297 | 125.36451625 |
| Fiersviridae | 15.82681373 | 11.63335321 | 26.45687171 | 24.39421124 | 29.4769050 | -0.278753601 | 177.55284197 |
| Chrysoviridae | 14.93554201 | 14.93554201 | 14.93554201 | 14.93554201 | NA | 14.935542011 | 14.93554201 |
| Solspiviridae | 13.75777890 | 13.70183523 | 13.81372256 | 13.75777890 | 0.1582326 | 13.645891561 | 13.86966623 |
| unclassified | 12.04263384 | 5.48333988 | 31.56099566 | 26.27289691 | 37.5566719 | -0.623249290 | 177.55284197 |
| unclassified Lenarviricota | 11.15304467 | 11.15304467 | 11.15304467 | 11.15304467 | NA | 11.153044675 | 11.15304467 |
| Fimoviridae | 9.92081875 | 9.92081875 | 9.92081875 | 9.92081875 | NA | 9.920818754 | 9.92081875 |
| Barnaviridae | 9.24260397 | 9.24260397 | 9.24260397 | 9.24260397 | NA | 9.242603971 | 9.24260397 |
| Tospoviridae | 9.19517932 | 9.19517932 | 9.19517932 | 9.19517932 | NA | 9.195179321 | 9.19517932 |
| Hepeviridae | 9.14086170 | 6.25623639 | 93.34685184 | 63.35510491 | 98.9402013 | 3.371611070 | 177.55284197 |
| Partitiviridae | 8.81763072 | 4.61822086 | 13.53922588 | 11.49406651 | 13.8461550 | -0.477121255 | 97.95467702 |
| Endornaviridae | 7.81815641 | 4.27083521 | 17.21824463 | 13.15219302 | 14.3763132 | 0.180456064 | 36.27327279 |
| Mitoviridae | 7.76447155 | 6.04048162 | 14.23807216 | 10.11504480 | 6.6367306 | 0.000000000 | 22.25727487 |
| Xinmoviridae | 7.31336373 | 7.31336373 | 7.31336373 | 7.31336373 | NA | 7.313363731 | 7.31336373 |
| Hypoviridae | 7.29499204 | 7.29499204 | 7.29499204 | 7.29499204 | NA | 7.294992041 | 7.29499204 |
| Secoviridae | 7.14411325 | 6.96463470 | 7.32359180 | 7.14411325 | 0.5076420 | 6.785156152 | 7.50307035 |
| Amalgaviridae | 6.01144104 | 6.01144104 | 6.01144104 | 6.01144104 | NA | 6.011441043 | 6.01144104 |
| Atkinsviridae | 5.91364017 | 2.69897000 | 9.20065945 | 6.76951953 | 4.8748798 | 2.154901960 | 13.87942607 |
| Mimiviridae | 3.97061622 | 2.46461177 | 5.53787328 | 4.01145129 | 3.0734650 | 0.958607315 | 7.10513034 |
| Potyviridae | 2.04575749 | 0.55562952 | 2.22184875 | 1.16973302 | 1.8308060 | -0.934498451 | 2.39794001 |
| Closteroviridae | 1.74414520 | 1.01828751 | 2.47000288 | 1.74414520 | 2.0530356 | 0.292429824 | 3.19586057 |
| Herelleviridae | 1.58502665 | 1.58502665 | 1.58502665 | 1.58502665 | NA | 1.585026652 | 1.58502665 |
| Peribunyaviridae | 1.34678749 | 1.34678749 | 1.34678749 | 1.34678749 | NA | 1.346787486 | 1.34678749 |
| Orlajensenviridae | 0.42021640 | 0.42021640 | 0.42021640 | 0.42021640 | NA | 0.420216403 | 0.42021640 |
| unclassified Uroviricota | 0.35632311 | -0.24252509 | 14.18566602 | 19.30441749 | 36.7784030 | -0.903089987 | 108.29756946 |
| Stanwilliamsviridae | 0.33724217 | 0.33724217 | 0.33724217 | 0.33724217 | NA | 0.337242168 | 0.33724217 |
| Poxviridae | 0.28399666 | 0.03993834 | 17.49921967 | 11.59810645 | 20.0208220 | -0.204119983 | 34.71444269 |
| Peduoviridae | -0.07918125 | -0.07918125 | -0.07918125 | -0.07918125 | NA | -0.079181246 | -0.07918125 |
| Steigviridae | -0.11394335 | -0.11394335 | -0.11394335 | -0.11394335 | NA | -0.113943352 | -0.11394335 |
| Ackermannviridae | -0.27875360 | -0.27875360 | -0.27875360 | -0.27875360 | NA | -0.278753601 | -0.27875360 |
| Casjensviridae | -0.27875360 | -0.27875360 | -0.27875360 | -0.27875360 | NA | -0.278753601 | -0.27875360 |
| Togaviridae | -0.36172784 | -0.36172784 | -0.36172784 | -0.36172784 | NA | -0.361727836 | -0.36172784 |
| Retroviridae | -0.75587486 | -0.75587486 | -0.75587486 | -0.75587486 | NA | -0.755874856 | -0.75587486 |
| Coronaviridae | -0.86923172 | -0.86923172 | -0.86923172 | -0.86923172 | NA | -0.869231720 | -0.86923172 |