Table 1: Bunya Data - RNA viruses (Gatherer): E-values for each group

| group | median | Q1 | Q3 | mean | sd | max | min |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Poxviridae | 46.66756154 | 1.90623964 | 61.70866725 | 59.12812060 | 64.36495869 | -0.25527251 | 179.63078414 |
| Peduoviridae | 46.33254705 | 28.23781362 | 46.46530472 | 36.56730703 | 15.72289244 | 6.33818731 | 47.75202673 |
| Schizomimiviridae | 27.33347294 | 15.15299233 | 45.71281081 | 38.27591825 | 33.67395991 | -0.11394335 | 123.17198494 |
| Iridoviridae | 22.76328571 | 2.32987986 | 60.14135284 | 31.67804764 | 32.10083368 | 0.43179828 | 86.46597389 |
| Baculoviridae | 19.92623294 | 5.07640343 | 40.42516148 | 29.12239338 | 35.28618441 | -0.72427587 | 151.01818139 |
| Hytrosaviridae | 19.81648613 | 17.76709518 | 20.58465741 | 16.74289742 | 8.73132590 | -0.59106461 | 23.49079748 |
| Ascoviridae | 15.49620932 | 14.33345277 | 16.15861618 | 15.16264287 | 1.84788296 | 13.17069623 | 16.82102305 |
| Orthoherpesviridae | 12.32422166 | 8.48148606 | 14.36151074 | 12.68719317 | 8.67692612 | -0.87506126 | 44.25181197 |
| unclassified | 11.91721463 | 1.96590707 | 37.86971390 | 18.67223999 | 16.35884020 | -0.53147892 | 45.05256628 |
| Mimiviridae | 10.12794038 | 1.58092905 | 25.78186233 | 28.14778100 | 41.89292591 | -0.76342799 | 142.22914799 |
| Allomimiviridae | 9.58503950 | 8.66818858 | 11.87698561 | 10.96013469 | 3.90357257 | 8.02456819 | 16.64589156 |
| Phycodnaviridae | 7.79124589 | 0.56468767 | 14.60442564 | 9.25089926 | 10.74048688 | -0.79239169 | 47.99139983 |
| Nudiviridae | 7.76195390 | 7.76195390 | 7.76195390 | 7.76195390 | NA | 7.76195390 | 7.76195390 |
| Adintoviridae | 7.02641038 | 7.02641038 | 7.02641038 | 7.02641038 | NA | 7.02641038 | 7.02641038 |
| Alloherpesviridae | 4.29591395 | 1.78176009 | 6.81006780 | 4.29591395 | 7.11110096 | -0.73239376 | 9.32422166 |
| Retroviridae | 3.90657831 | 3.45328916 | 8.10642568 | 6.40428379 | 5.13133306 | 3.00000000 | 12.30627305 |
| Schitoviridae | 1.92693598 | 0.90419431 | 2.15490196 | 1.61670605 | 0.81222388 | -0.62324929 | 3.00000000 |
| unclassified Uroviricota | 1.50021726 | 0.22596267 | 9.67801459 | 7.37925191 | 11.15935890 | -0.91381385 | 30.45222529 |
| Spinareoviridae | 1.09691001 | 0.90907821 | 1.22184875 | 1.05498130 | 0.31487128 | 0.72124640 | 1.34678749 |
| Betaflexiviridae | 0.95860731 | 0.95860731 | 0.95860731 | 0.95860731 | NA | 0.95860731 | 0.95860731 |
| unclassified Kitrinoviricota | 0.92081875 | 0.92081875 | 0.92081875 | 0.92081875 | NA | 0.92081875 | 0.92081875 |
| Papillomaviridae | 0.80989438 | 0.46661527 | 0.93026589 | 0.58698679 | 0.55686233 | -0.23044892 | 0.95860731 |
| Straboviridae | 0.75084472 | 0.09534940 | 1.11844000 | 0.71573204 | 0.76721150 | -0.63346846 | 2.30103000 |
| Picornaviridae | 0.50863831 | 0.27572413 | 1.05060999 | 0.69506047 | 0.68213033 | -0.34242268 | 2.39794001 |
| Bromoviridae | 0.34678749 | 0.34678749 | 0.34678749 | 0.34678749 | NA | 0.34678749 | 0.34678749 |
| Fiersviridae | 0.25181197 | 0.20965153 | 0.25970911 | 0.22896977 | 0.05382458 | 0.16749109 | 0.26760624 |
| Nimaviridae | 0.25181197 | 0.15802643 | 0.26362178 | 0.21774505 | 0.06416597 | 0.13667714 | 0.29242982 |
| Intestiviridae | 0.19382003 | 0.13679723 | 0.30129790 | 0.23303565 | 0.14813533 | 0.03621217 | 0.63827216 |
| Potyviridae | 0.15490196 | 0.15490196 | 0.15490196 | 0.15490196 | NA | 0.15490196 | 0.15490196 |
| Arteriviridae | 0.00000000 | 0.00000000 | 0.00000000 | 0.00000000 | NA | 0.00000000 | 0.00000000 |
| Tymoviridae | -0.01387860 | -0.45054184 | 0.48206189 | 0.04344128 | 0.53512006 | -0.53147892 | 1.14874165 |
| Chuviridae | -0.04139269 | -0.04139269 | -0.04139269 | -0.04139269 | NA | -0.04139269 | -0.04139269 |
| Herelleviridae | -0.06028697 | -0.25527251 | 0.42163866 | 0.14566971 | 0.58551090 | -0.70757018 | 1.44369750 |
| Phenuiviridae | -0.14612804 | -0.14612804 | -0.14612804 | -0.14612804 | NA | -0.14612804 | -0.14612804 |
| Bacilladnaviridae | -0.23044892 | -0.23044892 | -0.23044892 | -0.23044892 | NA | -0.23044892 | -0.23044892 |
| Caulimoviridae | -0.25527251 | -0.25527251 | -0.25527251 | -0.25527251 | NA | -0.25527251 | -0.25527251 |
| Geminiviridae | -0.27875360 | -0.27875360 | -0.27875360 | -0.27875360 | NA | -0.27875360 | -0.27875360 |
| Suoliviridae | -0.29351856 | -0.45838392 | -0.12865319 | -0.29351856 | 0.46630967 | -0.62324929 | 0.03621217 |
| Medioniviridae | -0.32221929 | -0.32221929 | -0.32221929 | -0.32221929 | NA | -0.32221929 | -0.32221929 |
| Adenoviridae | -0.53147892 | -0.55563126 | 0.23426054 | -0.03708750 | 0.89846881 | -0.57978360 | 1.00000000 |
| Autographiviridae | -0.56804305 | -0.87912004 | -0.12475466 | -0.43583165 | 0.59405540 | -0.94448267 | 0.33724217 |
| Closteroviridae | -0.65321251 | -0.65321251 | -0.65321251 | -0.65321251 | NA | -0.65321251 | -0.65321251 |
| Drexlerviridae | -0.67209786 | -0.67209786 | -0.18114697 | -0.34479727 | 0.56690126 | -0.67209786 | 0.30980392 |
| Nairoviridae | -0.89762709 | -0.89762709 | -0.89762709 | -0.89762709 | NA | -0.89762709 | -0.89762709 |
| Astroviridae | -0.92941893 | -0.92941893 | -0.92941893 | -0.92941893 | NA | -0.92941893 | -0.92941893 |