

|                         | AF232233:Beetrevirus | AY394005:Casadabanvirus | DQ631426:Casadabanvirus | DQ873690:Casadabanvirus | EU272036:Casadabanvirus | EU272037:Casadabanvirus | HE584812:Casadabanvirus | HM624080:Casadabanvirus | JN808773:Casadabanvirus | JN811560:Casadabanvirus | JQ762257:Casadabanvirus | JX434030:Casadabanvirus | JX434031:Casadabanvirus | JX434032:Casadabanvirus | JX495041:Beetrevirus | JX495043:Beetrevirus | KF475786:Casadabanvirus | KJ477077:Casadabanvirus | KM389459:Casadabanvirus | KU199708:Casadabanvirus | LN610590:Casadabanvirus | LN898172:Beetrevirus | LT608331:Casadabanvirus | LT999987:Casadabanvirus | MH643777:Casadabanvirus | MH643778:Casadabanvirus | MK144667:Casadabanvirus | MW390886:Casadabanvirus | taxmyPhage: |   |
|-------------------------|----------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|----------------------|----------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|----------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------|---|
| AF232233:Beetrevirus    | 100.0                | 13.14                   | 12.8                    | 12.9                    | 14.05                   | 14.53                   | 16.43                   | 14.36                   | 11.46                   | 13.21                   | 13.35                   | 12.15                   | 14.67                   | 13.04                   | 52.95                | 51.56                | 13.58                   | 13.94                   | 12.39                   | 13.67                   | 13.85                   | 59.58                | 13.42                   | 12.4                    | 13.86                   | 12.53                   | 13.44                   | 11.37                   | 51.56       |   |
| AY394005:Casadabanvirus | -                    | 100.0                   | 74.25                   | 66.33                   | 85.97                   | 5.08                    | 6.49                    | 3.65                    | 7.39                    | 4.38                    | 6.24                    | 4.87                    | 1.63                    | 75.65                   | 20.78                | 17.33                | 32.33                   | 33.66                   | 6.04                    | 5.62                    | 73.37                   | 18.03                | 70.97                   | 2.93                    | 85.77                   | 8.33                    | 7.78                    | 4.58                    | 17.31       |   |
| DQ631426:Casadabanvirus | -                    | -                       | 100.0                   | 77.15                   | 66.33                   | 3.08                    | 59.85                   | 4.65                    | 76.35                   | 73.41                   | 1.35                    | 8.19                    | 8.45                    | 39.31                   | 13.64                | 13.32                | 70.51                   | 66.77                   | 3.73                    | 35.98                   | 88.39                   | 15.09                | 90.87                   | 74.48                   | 70.04                   | 58.58                   | 2.02                    | 2.09                    | 13.32       |   |
| DQ873690:Casadabanvirus | -                    | -                       | -                       | 100.0                   | 74.23                   | 32.45                   | 66.07                   | 73.75                   | 94.05                   | 66.72                   | 4.72                    | 73.55                   | 77.63                   | 76.94                   | 5.13                 | 13.96                | 79.33                   | 72.88                   | 4.84                    | 76.25                   | 5.47                    | 13.13                | 88.54                   | 79.83                   | 74.42                   | 66.35                   | 57.28                   | 79.94                   | 13.96       |   |
| EU272036:Casadabanvirus | -                    | -                       | -                       | -                       | 100.0                   | 69.78                   | 33.29                   | 3.63                    | 72.83                   | 8.49                    | 70.29                   | 169.32                  | 69.62                   | 20.39                   | 19.09                | 19.96                | 1.57                    | 9.91                    | 71.85                   | 8.44                    | 20.06                   | 67.38                | 76.21                   | 19.18                   | 87.03                   | 34.37                   | 78.93                   | 19.01                   | -           |   |
| EU272037:Casadabanvirus | -                    | -                       | -                       | -                       | -                       | 100.0                   | 71.05                   | 66.53                   | 3.63                    | 74.58                   | 3.75                    | 9.71                    | 82.13                   | 8.34                    | 4.82                 | 14.23                | 74.34                   | 58.94                   | 77.76                   | 2.14                    | 33.86                   | 12.73                | 38.78                   | 75.08                   | 70.75                   | 1.89                    | 1.01                    | 78.41                   | 14.23       |   |
| HE584812:Casadabanvirus | -                    | -                       | -                       | -                       | -                       | -                       | 100.0                   | 82.16                   | 4.63                    | 6.15                    | 8.53                    | 82.07                   | 5.75                    | 70.92                   | 1.23                 | 18.47                | 77.83                   | 32.33                   | 73.38                   | 8.49                    | 73.72                   | 1.36                 | 69.15                   | 59.76                   | 82.37                   | 74.03                   | 38.56                   | 72.45                   | 18.47       |   |
| HM624080:Casadabanvirus | -                    | -                       | -                       | -                       | -                       | -                       | -                       | 100.0                   | 72.24                   | 4.28                    | 4.99                    | 1.34                    | 67.84                   | 66.52                   | 20.77                | 19.09                | 90.69                   | 90.54                   | 1.25                    | 66.65                   | 55.16                   | 20.45                | 66.57                   | 76.78                   | 9.13                    | 85.83                   | 33.57                   | 8.53                    | 19.01       |   |
| JN808773:Casadabanvirus | -                    | -                       | -                       | -                       | -                       | -                       | -                       | -                       | 100.0                   | 67.84                   | 74.83                   | 79.58                   | 76.24                   | 76.91                   | 5.53                 | 13.92                | 77.87                   | 73.23                   | 32.46                   | 77.08                   | 5.39                    | 14.08                | 66.48                   | 80.07                   | 73.55                   | 55.24                   | 67.14                   | 34.06                   | 13.92       |   |
| JN811560:Casadabanvirus | -                    | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | 100.0                   | 75.06                   | 5.62                    | 75.17                   | 4.18                    | 1.15                 | 18.13                | 82.98                   | 83.66                   | 77.49                   | 74.15                   | 76.42                   | 18.33                | 69.87                   | 73.23                   | 35.67                   | 78.89                   | 90.97                   | 77.92                   | 18.11       |   |
| JQ762257:Casadabanvirus | -                    | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | 100.0                   | 66.43                   | 34.36                   | 3.47                    | 73.93                | 12.16                | 74.95                   | 75.29                   | 1.29                    | 90.43                   | 76.78                   | 14.88                | 79.13                   | 72.55                   | 8.28                    | 62.25                   | 69.33                   | 69.71                   | 12.16       |   |
| JX434030:Casadabanvirus | -                    | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | 100.0                   | 68.18                   | 8.82                    | 20.98                | 18.53                | 66.27                   | 90.93                   | 32.64                   | 68.55                   | 77.22                   | 19.65                | 58.23                   | 1.49                    | 90.68                   | 1.88                    | 4.38                    | 33.54                   | 18.55       |   |
| JX434031:Casadabanvirus | -                    | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | 100.0                   | 66.93                   | 5.63                 | 14.97                | 73.25                   | 77.94                   | 2.03                    | 55.34                   | 91.09                   | 5.36                 | 80.73                   | 58.25                   | 67.92                   | 61.37                   | 78.17                   | 72.91                   | 14.91       |   |
| JX434032:Casadabanvirus | -                    | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | 100.0                   | 5.04                 | 14.46                | 74.25                   | 8.43                    | 73.08                   | 9.97                    | 90.23                   | 14.63                | 32.25                   | 59.54                   | 1.03                    | 1.77                    | 1.15                    | 2.38                    | 14.46       |   |
| JX495041:Beetrevirus    | -                    | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | 100.0                | 3.93                 | 20.05                   | 18.91                   | 16.48                   | 15.62                   | 16.43                   | 76.21                | 14.78                   | 14.32                   | 20.66                   | 7.95                    | 19.67                   | 15.28                   | 3.93        |   |
| JX495043:Beetrevirus    | -                    | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                    | 99.48                | 18.11                   | 19.06                   | 14.61                   | 14.21                   | 14.63                   | 79.33                | 14.73                   | 12.98                   | 18.71                   | 16.39                   | 17.01                   | 14.81                   | 99.48       |   |
| KF475786:Casadabanvirus | -                    | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                    | -                    | 100.0                   | 85.47                   | 76.53                   | 76.33                   | 72.58                   | 17.76                | 72.37                   | 72.43                   | 33.98                   | 84.35                   | 78.95                   | 73.51                   | 18.11       |   |
| KJ477077:Casadabanvirus | -                    | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                    | -                    | -                       | 100.0                   | 79.46                   | 66.55                   | 55.89                   | 19.58                | 67.92                   | 75.79                   | 91.49                   | 81.13                   | 84.64                   | 81.08                   | 19.06       |   |
| KM389459:Casadabanvirus | -                    | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                    | -                    | -                       | -                       | 100.0                   | 69.34                   | 71.66                   | 14.17                | 77.52                   | 90.83                   | 83.57                   | 3.04                    | 74.93                   | 89.55                   | 14.61       |   |
| KU199708:Casadabanvirus | -                    | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                    | -                    | -                       | -                       | -                       | 100.0                   | 84.46                   | 14.65                | 79.75                   | 58.65                   | 55.76                   | 63.77                   | 70.15                   | 59.44                   | 14.21       |   |
| LN610590:Casadabanvirus | -                    | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                    | -                    | -                       | -                       | -                       | -                       | 100.0                   | 13.97                | 77.85                   | 58.25                   | 67.35                   | 50.57                   | 55.33                   | 72.11                   | 14.63       |   |
| LN898172:Beetrevirus    | -                    | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                    | -                    | -                       | -                       | -                       | -                       | -                       | 100.0                | 3.26                    | 15.47                   | 18.54                   | 17.69                   | 17.77                   | 15.01                   | 79.33       |   |
| LT608331:Casadabanvirus | -                    | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                    | -                    | -                       | -                       | -                       | -                       | -                       | -                    | 100.0                   | 74.14                   | 68.98                   | 60.34                   | 70.52                   | 76.33                   | 14.73       | - |
| LT999987:Casadabanvirus | -                    | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                    | -                    | -                       | -                       | -                       | -                       | -                       | -                    | -                       | 100.0                   | 79.85                   | 59.34                   | 71.83                   | 75.51                   | 12.98       | - |
| MH643777:Casadabanvirus | -                    | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                    | -                    | -                       | -                       | -                       | -                       | -                       | -                    | -                       | -                       | 100.0                   | 79.83                   | 33.26                   | 81.67                   | 18.71       | - |
| MH643778:Casadabanvirus | -                    | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                    | -                    | -                       | -                       | -                       | -                       | -                       | -                    | -                       | -                       | -                       | 100.0                   | 75.17                   | 70.43                   | 16.39       | - |
| MK144667:Casadabanvirus | -                    | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                    | -                    | -                       | -                       | -                       | -                       | -                       | -                    | -                       | -                       | -                       | -                       | 100.0                   | 76.35                   | 17.01       | - |
| MW390886:Casadabanvirus | -                    | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                    | -                    | -                       | -                       | -                       | -                       | -                       | -                    | -                       | -                       | -                       | -                       | -                       | 100.0                   | 14.81       | - |
| taxmyPhage:             | -                    | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                       | -                    | -                    | -                       | -                       | -                       | -                       | -                       | -                    | -                       | -                       | -                       | -                       | -                       | -                       | 99.48       | - |