|  | **Term** | **Value** | **Z statistic** | **Chi-sq statistic** | **P-value** | **Effective Degrees of Freedom** | **Fraction Dev. Explained** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Zoonoses Model** | | | | | | | |
|  | Intercept | -0.341 | -8.57 |  | 1.02e-17 |  |  |
|  | hAllZACitesLn |  |  | 7.46 | 0.00988 | 1.5 | 0.106 |
|  | hHuntedIUCN |  |  | 0.415 | 0.202 | 0.242 | 0.00788 |
|  | hOrderCETARTIODACTYLA |  |  | 27 | 8.91e-08 | 0.89 | 0.347 |
|  | hOrderCHIROPTERA |  |  | 4.45 | 0.0161 | 0.712 | 0.0593 |
|  | hOrderDIPROTODONTIA |  |  | 1 | 0.167 | 0.522 | 0.0225 |
|  | hOrderPERAMELEMORPHIA |  |  | 0.76 | 0.324 | 0.78 | 0.0459 |
|  | hOrderPERISSODACTYLA |  |  | 3.03 | 0.0444 | 0.746 | 0.0558 |
|  | hOrderSCANDENTIA |  |  | 0.811 | 0.309 | 0.784 | 0.0485 |
|  | PdHoSa.cbCst |  |  | 14.5 | 0.000673 | 1.97 | 0.186 |
|  | UrbRurPopRatioLn |  |  | 10.3 | 0.00182 | 1.26 | 0.122 |
| **Zoonoses Model (strict)** | | | | | | | |
|  | Intercept | -1.35 | -22.7 |  | 1.22e-113 |  |  |
|  | hDiseaseZACitesLn |  |  | 5.03 | 0.0143 | 1.21 | 0.0382 |
|  | hMassGramsPVR |  |  | 0.122 | 0.294 | 0.116 | 0.011 |
|  | hOrderCETARTIODACTYLA |  |  | 22.9 | 7.48e-07 | 0.943 | 0.28 |
|  | hOrderDIPROTODONTIA |  |  | 2.39 | 0.066 | 0.708 | 0.0275 |
|  | hOrderLAGOMORPHA |  |  | 0.704 | 0.196 | 0.421 | 0.00876 |
|  | hOrderPERISSODACTYLA |  |  | 0.859 | 0.308 | 0.825 | 0.0501 |
|  | hOrderPRIMATES |  |  | 0.621 | 0.0968 | 0.285 | 0.00103 |
|  | HumPopDensLnChg |  |  | 3.16 | 0.132 | 1.47 | 0.043 |
|  | PdHoSa.cbCst |  |  | 56.1 | 8.67e-06 | 2.36 | 0.345 |
|  | UrbRurPopRatioChg |  |  | 16.9 | 0.00208 | 4.05 | 0.195 |
| **Viral Richness Model** | | | | | | | |
|  | Intercept | 0.518 | 7.43 |  | 1.08e-13 |  |  |
|  | hDiseaseZACitesLn |  |  | 1850 | 4.42e-121 | 5.55 | 0.649 |
|  | hMassGramsPVR |  |  | 216 | 0.00854 | 3.82 | 0.019 |
|  | hOrderCETARTIODACTYLA |  |  | 24.4 | 0.000231 | 0.935 | 0.0184 |
|  | hOrderCHIROPTERA |  |  | 155 | 2.49e-16 | 1 | 0.0992 |
|  | hOrderEULIPOTYPHLA |  |  | 5.87 | 0.00895 | 0.848 | 0.0108 |
|  | hOrderPERISSODACTYLA |  |  | 9.95 | 0.00132 | 1 | 0.0141 |
|  | hOrderPRIMATES |  |  | 34.4 | 1.52e-05 | 0.943 | 0.0251 |
|  | hOrderRODENTIA |  |  | 95.5 | 8.53e-09 | 0.995 | 0.048 |
|  | LnAreaHost |  |  | 18.9 | 0.0249 | 3.58 | 0.016 |
|  | S20 |  |  | 301 | 7.25e-15 | 5.16 | 0.1 |
| **Viral Richness Model (strict)** | | | | | | | |
|  | Intercept | -0.468 | -5.31 |  | 1.1e-07 |  |  |
|  | hDiseaseZACitesLn |  |  | 923 | 7.53e-64 | 4.98 | 0.536 |
|  | hMassGramsPVR |  |  | 9.65 | 0.0356 | 3.51 | 0.0276 |
|  | hOrderCHIROPTERA |  |  | 109 | 5.11e-14 | 1 | 0.122 |
|  | hOrderCINGULATA |  |  | 0.868 | 0.286 | 0.763 | 0.00563 |
|  | hOrderEULIPOTYPHLA |  |  | 1.21 | 0.151 | 0.589 | 0.0037 |
|  | hOrderPERAMELEMORPHIA |  |  | 0.737 | 0.307 | 0.705 | 0.00362 |
|  | hOrderPRIMATES |  |  | 85.1 | 4.92e-14 | 1 | 0.118 |
|  | hOrderRODENTIA |  |  | 129 | 8.62e-15 | 0.977 | 0.126 |
|  | hOrderSCANDENTIA |  |  | 0.941 | 0.13 | 0.411 | 0.00286 |
|  | LnAreaHost |  |  | 11.1 | 0.0789 | 2.66 | 0.0153 |
|  | S20 |  |  | 45 | 0.000481 | 4.69 | 0.039 |
| **Viral Traits Model** | | | | | | | |
|  | Intercept | -1.59 | -5.69 |  | 1.24e-08 |  |  |
|  | cb\_dist\_noHoSa\_maxLn |  |  | 44.9 | 7.48e-10 | 2.94 | 0.456 |
|  | Envelope |  |  | 0.884 | 0.166 | 0.46 | 0.0232 |
|  | vCytoReplicTF |  |  | 11 | 0.000854 | 0.859 | 0.0915 |
|  | Vector |  |  | 4.9 | 0.0143 | 0.751 | 0.0461 |
|  | vGenomeAveLengthLn |  |  | 0.117 | 0.266 | 0.0924 | 0.00946 |
|  | vWOKcitesLn |  |  | 35.8 | 3.98e-07 | 3.28 | 0.374 |
| **Viral Traits Model (strict)** | | | | | | | |
|  | Intercept | -2.23 | -7.51 |  | 5.72e-14 |  |  |
|  | cb\_dist\_noHoSa\_max.stringentLn |  |  | 15.7 | 0.000556 | 2.53 | 0.255 |
|  | vCytoReplicTF |  |  | 10.3 | 0.0011 | 0.878 | 0.175 |
|  | Vector |  |  | 1.87 | 0.0854 | 0.604 | 0.0388 |
|  | vWOKcitesLn |  |  | 29.5 | 4.3e-07 | 2.64 | 0.531 |