Supplementary Table S2: Final models of the probability of infection (glm, family=binomal) and intensity (glm, family=Gamma(link='identity')) of each helminth species. OR = Odds Ratios; CI = Confidence Intervals.

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| --- | --- | --- |
|   | Models for infection | Models for intensity of infection |
| Parasite | Variables | OR (95% CI) | p | Variables | Rate (95% CI) | p |
| *Strongyloides* sp. | Burrows | 1.502 (1.005 - 2.803) | 0.114 | Rainy\_season | 0.242 (0.145 - 0.408) | 0.000 |
| Sewer present | 90.741(3.384 - 1130983.984) | 0.097 | Cumulative rain | 1.002 (1.000 - 1.003) | 0.010 |
| Sex\_male | 4.520 (0.607 - 92.354) | 0.193 | Ground permeable | 1.049 (0.689 - 1.596) | 0.821 |
| Age (d) | 1.023 (0.986 - 1.066) | 0.242 | Sex\_male | 3.846 (1.711 - 8.626) | 0.001 |
| Age² (d) | 0.9998 (0.9997 – 0.9999) | 0.077 | Age (d) | 1.004 (0.998 - 1.012) | 0.223 |
| Male:Sewer | 0.008 (0.000 - 0.410) | 0.095 | Male:Ground\_permeable | 2.145 (1.138 - 4.040) | 0.019 |
|   |   |   | Male:Age (d) | 0.988 (0.979 - 0.996) | 0.006 |
| *Nippostrongylus brasiliensis* | Rainy\_season | 0.311 (0.184 - 0.517) | 0.000 | Fat present | 0.252 (0.057 - 0.747) | 0.037 |
| Trails present | 0.321 (0.126 - 0.803) | 0.015 | Interval-sampling-analysis | 0.667 (0.571 – 0.776) | <0.0001 |
| Sex\_male | 5.053 (1.012 - 26.957) | 0.052 |  |  |  |
| Age (d) | 0.994 (0.971 - 1.017) | 0.590 |  |  |  |
| Age² (d) | 1.0001 (1.0000 - 1.0002) | 0.030 |  |  |  |
| Male:Trails | 5.015 (1.492 - 17.249) | 0.010 |  |  |  |
| Male:Age (d) | 0.972 (0.956 - 0.987) | 0.001 |   |   |   |
| *Angiostrongylus cantonensis* | Valley-2 | 1.344 (0.504 - 3.693) | 0.558 | Cumulative rain | 1.004 (1.000 - 1.007) | 0.024 |
| Valley-3 | 3.665 (1.436 - 9.915) | 0.008 | Tree (n) | 0.890 (0.799 – 0.998) | 0.038 |
| Sex\_male | 0.392 (0.119 - 1.235) | 0.113 | Sex\_male | 139.977 (4.282 – 5271.383) | 0.004 |
| Mature | 5.204 (2.650 - 10.889) | 0.000 | Male:Cumulative rain | 0.992 (0.986 - 0.998) | 0.006 |
| Young-mature | 2.359 (0.782 - 7.110) | 0.126 |  |  |  |
| Male:Valley-2 | 3.164 (0.782 - 13.246) | 0.109 |  |  |  |
| Male:Valley-3 | 0.597 (0.149 - 2.446) | 0.468 |   |   |   |
| *Hymenolepis* spp. | Valley-2 | 4.569 (1.797 - 14.072) | 0.003 |  |  |  |
| Valley-3 | 1.051 (0.348 - 3.543) | 0.931 |   |   |   |
| Trichuridae | Valley-2 | 0.645 (0.260 - 1.597) | 0.338 |  |  |  |
| Valley-3 | 0.185 (0.050 - 0.566) | 0.005 |   |   |   |