| regions | sel\_bait\_type | mod\_name | mod\_formula | AICc | delta | model\_df | deviance | d2 | residual\_df | lr\_chisq | chisq\_df | p\_value\_chisq | lr\_signif | best\_model\_candidate | best\_model |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ecuador | amino\_acid | null | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ 1 | 73.30 | 6.75 | 2 | 68.70 | 1.00 | 21 | 0.00 | 0 | 1.00 |  | FALSE | FALSE |
| ecuador | amino\_acid | elevation | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) | 75.26 | 8.71 | 3 | 68.00 | 0.01 | 20 | 0.70 | 1 | 0.40 |  | FALSE | FALSE |
| ecuador | amino\_acid | elevation-poly | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) | 78.12 | 11.57 | 4 | 67.90 | 0.01 | 19 | 0.80 | 2 | 0.67 |  | FALSE | FALSE |
| ecuador | amino\_acid | season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ seasons | 66.55 | 0.00 | 3 | 59.29 | 0.14 | 20 | 9.41 | 1 | 0.00 | \*\* | TRUE | FALSE |
| ecuador | amino\_acid | elevation + season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) + seasons | 68.40 | 1.85 | 4 | 58.18 | 0.15 | 19 | 10.52 | 2 | 0.00 | \*\* | TRUE | TRUE |
| ecuador | amino\_acid | elevation \* season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) + seasons + poly(elevation\_mean, 1):seasons | 71.04 | 4.49 | 5 | 57.52 | 0.16 | 18 | 11.18 | 3 | 0.01 | \* | FALSE | FALSE |
| ecuador | amino\_acid | elevation-poly + season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) + seasons | 71.71 | 5.16 | 5 | 58.18 | 0.15 | 18 | 10.52 | 3 | 0.01 | \* | FALSE | FALSE |
| ecuador | amino\_acid | elevation-poly \* season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) + seasons + poly(elevation\_mean, 2):seasons | 70.28 | 3.72 | 7 | 48.81 | 0.29 | 16 | 19.89 | 5 | 0.00 | \*\* | FALSE | FALSE |
| png | amino\_acid | null | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ 1 | 70.44 | 5.78 | 2 | 65.74 | 1.00 | 18 | 0.00 | 0 | 1.00 |  | FALSE | FALSE |
| png | amino\_acid | elevation | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) | 72.97 | 8.31 | 3 | 65.47 | 0.00 | 17 | 0.27 | 1 | 0.60 |  | FALSE | FALSE |
| png | amino\_acid | elevation-poly | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) | 76.10 | 11.44 | 4 | 65.43 | 0.00 | 16 | 0.30 | 2 | 0.86 |  | FALSE | FALSE |
| png | amino\_acid | season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ seasons | 64.66 | 0.00 | 3 | 57.16 | 0.13 | 17 | 8.57 | 1 | 0.00 | \*\* | TRUE | TRUE |
| png | amino\_acid | elevation + season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) + seasons | 67.43 | 2.77 | 4 | 56.77 | 0.14 | 16 | 8.97 | 2 | 0.01 | \* | FALSE | FALSE |
| png | amino\_acid | elevation \* season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) + seasons + poly(elevation\_mean, 1):seasons | 70.79 | 6.13 | 5 | 56.50 | 0.14 | 15 | 9.23 | 3 | 0.03 | \* | FALSE | FALSE |
| png | amino\_acid | elevation-poly + season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) + seasons | 71.01 | 6.35 | 5 | 56.73 | 0.14 | 15 | 9.01 | 3 | 0.03 | \* | FALSE | FALSE |
| png | amino\_acid | elevation-poly \* season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) + seasons + poly(elevation\_mean, 2):seasons | 79.78 | 15.12 | 7 | 56.45 | 0.14 | 13 | 9.29 | 5 | 0.10 |  | FALSE | FALSE |
| tanzania | amino\_acid | null | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ 1 | 38.05 | 0.00 | 2 | 32.33 | 1.00 | 8 | 0.00 | 0 | 1.00 |  | TRUE | FALSE |
| tanzania | amino\_acid | elevation | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) | 38.45 | 0.40 | 3 | 28.45 | 0.12 | 7 | 3.88 | 1 | 0.05 | \* | TRUE | TRUE |
| tanzania | amino\_acid | elevation-poly | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) | 43.99 | 5.94 | 4 | 27.99 | 0.13 | 6 | 4.34 | 2 | 0.11 |  | FALSE | FALSE |
| tanzania | amino\_acid | season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ seasons | 42.31 | 4.26 | 3 | 32.31 | 0.00 | 7 | 0.02 | 1 | 0.88 |  | FALSE | FALSE |
| tanzania | amino\_acid | elevation + season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) + seasons | 44.37 | 6.32 | 4 | 28.37 | 0.12 | 6 | 3.96 | 2 | 0.14 |  | FALSE | FALSE |
| tanzania | amino\_acid | elevation \* season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) + seasons + poly(elevation\_mean, 1):seasons | 53.13 | 15.09 | 5 | 28.13 | 0.13 | 5 | 4.20 | 3 | 0.24 |  | FALSE | FALSE |
| tanzania | amino\_acid | elevation-poly + season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) + seasons | 52.78 | 14.74 | 5 | 27.78 | 0.14 | 5 | 4.55 | 3 | 0.21 |  | FALSE | FALSE |
| tanzania | amino\_acid | elevation-poly \* season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) + seasons + poly(elevation\_mean, 2):seasons | 84.43 | 46.39 | 7 | 14.43 | 0.55 | 3 | 17.90 | 5 | 0.00 | \*\* | FALSE | FALSE |
| ecuador | cho | null | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ 1 | 77.39 | 3.81 | 2 | 72.79 | 1.00 | 21 | 0.00 | 0 | 1.00 |  | FALSE | FALSE |
| ecuador | cho | elevation | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) | 79.58 | 5.99 | 3 | 72.31 | 0.01 | 20 | 0.48 | 1 | 0.49 |  | FALSE | FALSE |
| ecuador | cho | elevation-poly | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) | 82.23 | 8.65 | 4 | 72.01 | 0.01 | 19 | 0.78 | 2 | 0.68 |  | FALSE | FALSE |
| ecuador | cho | season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ seasons | 76.20 | 2.62 | 3 | 68.94 | 0.05 | 20 | 3.85 | 1 | 0.05 | \* | FALSE | FALSE |
| ecuador | cho | elevation + season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) + seasons | 78.48 | 4.89 | 4 | 68.26 | 0.06 | 19 | 4.53 | 2 | 0.10 |  | FALSE | FALSE |
| ecuador | cho | elevation \* season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) + seasons + poly(elevation\_mean, 1):seasons | 73.58 | 0.00 | 5 | 60.05 | 0.17 | 18 | 12.73 | 3 | 0.00 | \*\* | TRUE | TRUE |
| ecuador | cho | elevation-poly + season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) + seasons | 81.70 | 8.11 | 5 | 68.17 | 0.06 | 18 | 4.62 | 3 | 0.20 |  | FALSE | FALSE |
| ecuador | cho | elevation-poly \* season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) + seasons + poly(elevation\_mean, 2):seasons | 81.50 | 7.92 | 7 | 60.04 | 0.17 | 16 | 12.75 | 5 | 0.03 | \* | FALSE | FALSE |
| png | cho | null | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ 1 | 68.08 | 0.00 | 2 | 63.38 | 1.00 | 18 | 0.00 | 0 | 1.00 |  | TRUE | FALSE |
| png | cho | elevation | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) | 70.50 | 2.41 | 3 | 62.99 | 0.01 | 17 | 0.38 | 1 | 0.54 |  | FALSE | FALSE |
| png | cho | elevation-poly | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) | 73.66 | 5.58 | 4 | 62.99 | 0.01 | 16 | 0.38 | 2 | 0.83 |  | FALSE | FALSE |
| png | cho | season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ seasons | 69.22 | 1.14 | 3 | 61.72 | 0.03 | 17 | 1.66 | 1 | 0.20 |  | TRUE | TRUE |
| png | cho | elevation + season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) + seasons | 71.94 | 3.86 | 4 | 61.27 | 0.03 | 16 | 2.10 | 2 | 0.35 |  | FALSE | FALSE |
| png | cho | elevation \* season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) + seasons + poly(elevation\_mean, 1):seasons | 75.55 | 7.46 | 5 | 61.26 | 0.03 | 15 | 2.12 | 3 | 0.55 |  | FALSE | FALSE |
| png | cho | elevation-poly + season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) + seasons | 75.56 | 7.48 | 5 | 61.27 | 0.03 | 15 | 2.10 | 3 | 0.55 |  | FALSE | FALSE |
| png | cho | elevation-poly \* season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) + seasons + poly(elevation\_mean, 2):seasons | 84.28 | 16.19 | 7 | 60.94 | 0.04 | 13 | 2.43 | 5 | 0.79 |  | FALSE | FALSE |
| tanzania | cho | null | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ 1 | 28.41 | 0.00 | 2 | 22.70 | 1.00 | 8 | 0.00 | 0 | 1.00 |  | TRUE | TRUE |
| tanzania | cho | elevation | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) | 32.69 | 4.28 | 3 | 22.69 | 0.00 | 7 | 0.01 | 1 | 0.93 |  | FALSE | FALSE |
| tanzania | cho | elevation-poly | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) | 37.27 | 8.86 | 4 | 21.27 | 0.06 | 6 | 1.42 | 2 | 0.49 |  | FALSE | FALSE |
| tanzania | cho | season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ seasons | 32.36 | 3.95 | 3 | 22.36 | 0.01 | 7 | 0.34 | 1 | 0.56 |  | FALSE | FALSE |
| tanzania | cho | elevation + season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) + seasons | 38.30 | 9.89 | 4 | 22.30 | 0.02 | 6 | 0.40 | 2 | 0.82 |  | FALSE | FALSE |
| tanzania | cho | elevation \* season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) + seasons + poly(elevation\_mean, 1):seasons | 45.62 | 17.21 | 5 | 20.62 | 0.09 | 5 | 2.08 | 3 | 0.56 |  | FALSE | FALSE |
| tanzania | cho | elevation-poly + season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) + seasons | 46.17 | 17.76 | 5 | 21.17 | 0.07 | 5 | 1.53 | 3 | 0.68 |  | FALSE | FALSE |
| tanzania | cho | elevation-poly \* season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) + seasons + poly(elevation\_mean, 2):seasons | 86.03 | 57.62 | 7 | 16.03 | 0.29 | 3 | 6.66 | 5 | 0.25 |  | FALSE | FALSE |
| ecuador | cho\_amino\_acid | null | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ 1 | 79.20 | 0.31 | 2 | 74.60 | 1.00 | 21 | 0.00 | 0 | 1.00 |  | TRUE | FALSE |
| ecuador | cho\_amino\_acid | elevation | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) | 78.89 | 0.00 | 3 | 71.62 | 0.04 | 20 | 2.97 | 1 | 0.09 |  | TRUE | FALSE |
| ecuador | cho\_amino\_acid | elevation-poly | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) | 79.48 | 0.60 | 4 | 69.26 | 0.07 | 19 | 5.33 | 2 | 0.07 |  | TRUE | TRUE |
| ecuador | cho\_amino\_acid | season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ seasons | 81.40 | 2.52 | 3 | 74.14 | 0.01 | 20 | 0.45 | 1 | 0.50 |  | FALSE | FALSE |
| ecuador | cho\_amino\_acid | elevation + season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) + seasons | 81.32 | 2.43 | 4 | 71.10 | 0.05 | 19 | 3.50 | 2 | 0.17 |  | FALSE | FALSE |
| ecuador | cho\_amino\_acid | elevation \* season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) + seasons + poly(elevation\_mean, 1):seasons | 83.41 | 4.52 | 5 | 69.88 | 0.06 | 18 | 4.72 | 3 | 0.19 |  | FALSE | FALSE |
| ecuador | cho\_amino\_acid | elevation-poly + season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) + seasons | 82.53 | 3.65 | 5 | 69.00 | 0.07 | 18 | 5.59 | 3 | 0.13 |  | FALSE | FALSE |
| ecuador | cho\_amino\_acid | elevation-poly \* season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) + seasons + poly(elevation\_mean, 2):seasons | 85.94 | 7.06 | 7 | 64.48 | 0.14 | 16 | 10.12 | 5 | 0.07 |  | FALSE | FALSE |
| png | cho\_amino\_acid | null | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ 1 | 73.57 | 0.78 | 2 | 68.87 | 1.00 | 18 | 0.00 | 0 | 1.00 |  | TRUE | FALSE |
| png | cho\_amino\_acid | elevation | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) | 76.23 | 3.44 | 3 | 68.73 | 0.00 | 17 | 0.14 | 1 | 0.71 |  | FALSE | FALSE |
| png | cho\_amino\_acid | elevation-poly | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) | 78.13 | 5.34 | 4 | 67.47 | 0.02 | 16 | 1.40 | 2 | 0.50 |  | FALSE | FALSE |
| png | cho\_amino\_acid | season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ seasons | 72.79 | 0.00 | 3 | 65.29 | 0.05 | 17 | 3.58 | 1 | 0.06 |  | TRUE | TRUE |
| png | cho\_amino\_acid | elevation + season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) + seasons | 75.80 | 3.01 | 4 | 65.13 | 0.05 | 16 | 3.73 | 2 | 0.16 |  | FALSE | FALSE |
| png | cho\_amino\_acid | elevation \* season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) + seasons + poly(elevation\_mean, 1):seasons | 78.10 | 5.31 | 5 | 63.81 | 0.07 | 15 | 5.06 | 3 | 0.17 |  | FALSE | FALSE |
| png | cho\_amino\_acid | elevation-poly + season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) + seasons | 77.48 | 4.70 | 5 | 63.20 | 0.08 | 15 | 5.67 | 3 | 0.13 |  | FALSE | FALSE |
| png | cho\_amino\_acid | elevation-poly \* season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) + seasons + poly(elevation\_mean, 2):seasons | 83.43 | 10.64 | 7 | 60.09 | 0.13 | 13 | 8.77 | 5 | 0.12 |  | FALSE | FALSE |
| tanzania | cho\_amino\_acid | null | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ 1 | 33.60 | 0.00 | 2 | 27.89 | 1.00 | 8 | 0.00 | 0 | 1.00 |  | TRUE | TRUE |
| tanzania | cho\_amino\_acid | elevation | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) | 37.87 | 4.27 | 3 | 27.87 | 0.00 | 7 | 0.01 | 1 | 0.91 |  | FALSE | FALSE |
| tanzania | cho\_amino\_acid | elevation-poly | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) | 43.87 | 10.27 | 4 | 27.87 | 0.00 | 6 | 0.01 | 2 | 0.99 |  | FALSE | FALSE |
| tanzania | cho\_amino\_acid | season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ seasons | 37.53 | 3.93 | 3 | 27.53 | 0.01 | 7 | 0.35 | 1 | 0.55 |  | FALSE | FALSE |
| tanzania | cho\_amino\_acid | elevation + season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) + seasons | 43.53 | 9.93 | 4 | 27.53 | 0.01 | 6 | 0.35 | 2 | 0.84 |  | FALSE | FALSE |
| tanzania | cho\_amino\_acid | elevation \* season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) + seasons + poly(elevation\_mean, 1):seasons | 50.61 | 17.02 | 5 | 25.61 | 0.08 | 5 | 2.27 | 3 | 0.52 |  | FALSE | FALSE |
| tanzania | cho\_amino\_acid | elevation-poly + season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) + seasons | 52.50 | 18.90 | 5 | 27.50 | 0.01 | 5 | 0.39 | 3 | 0.94 |  | FALSE | FALSE |
| tanzania | cho\_amino\_acid | elevation-poly \* season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) + seasons + poly(elevation\_mean, 2):seasons | 95.34 | 61.74 | 7 | 25.34 | 0.09 | 3 | 2.54 | 5 | 0.77 |  | FALSE | FALSE |
| ecuador | h2o | null | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ 1 | 61.31 | 0.00 | 2 | 56.71 | 1.00 | 21 | 0.00 | 0 | 1.00 |  | TRUE | TRUE |
| ecuador | h2o | elevation | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) | 63.85 | 2.55 | 3 | 56.59 | 0.00 | 20 | 0.12 | 1 | 0.73 |  | FALSE | FALSE |
| ecuador | h2o | elevation-poly | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) | 66.81 | 5.51 | 4 | 56.59 | 0.00 | 19 | 0.12 | 2 | 0.94 |  | FALSE | FALSE |
| ecuador | h2o | season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ seasons | 63.90 | 2.60 | 3 | 56.64 | 0.00 | 20 | 0.07 | 1 | 0.80 |  | FALSE | FALSE |
| ecuador | h2o | elevation + season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) + seasons | 66.76 | 5.45 | 4 | 56.53 | 0.00 | 19 | 0.17 | 2 | 0.92 |  | FALSE | FALSE |
| ecuador | h2o | elevation \* season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) + seasons + poly(elevation\_mean, 1):seasons | 66.48 | 5.17 | 5 | 52.95 | 0.07 | 18 | 3.76 | 3 | 0.29 |  | FALSE | FALSE |
| ecuador | h2o | elevation-poly + season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) + seasons | 70.06 | 8.75 | 5 | 56.53 | 0.00 | 18 | 0.17 | 3 | 0.98 |  | FALSE | FALSE |
| ecuador | h2o | elevation-poly \* season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) + seasons + poly(elevation\_mean, 2):seasons | 73.40 | 12.09 | 7 | 51.93 | 0.08 | 16 | 4.78 | 5 | 0.44 |  | FALSE | FALSE |
| png | h2o | null | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ 1 | 65.97 | 0.00 | 2 | 61.26 | 1.00 | 18 | 0.00 | 0 | 1.00 |  | TRUE | FALSE |
| png | h2o | elevation | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) | 67.97 | 2.01 | 3 | 60.47 | 0.01 | 17 | 0.79 | 1 | 0.38 |  | FALSE | FALSE |
| png | h2o | elevation-poly | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) | 70.61 | 4.64 | 4 | 59.94 | 0.02 | 16 | 1.32 | 2 | 0.52 |  | FALSE | FALSE |
| png | h2o | season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ seasons | 67.37 | 1.41 | 3 | 59.87 | 0.02 | 17 | 1.38 | 1 | 0.24 |  | TRUE | TRUE |
| png | h2o | elevation + season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) + seasons | 69.59 | 3.63 | 4 | 58.93 | 0.04 | 16 | 2.33 | 2 | 0.31 |  | FALSE | FALSE |
| png | h2o | elevation \* season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) + seasons + poly(elevation\_mean, 1):seasons | 72.99 | 7.02 | 5 | 58.70 | 0.04 | 15 | 2.56 | 3 | 0.47 |  | FALSE | FALSE |
| png | h2o | elevation-poly + season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) + seasons | 72.76 | 6.80 | 5 | 58.47 | 0.04 | 15 | 2.79 | 3 | 0.43 |  | FALSE | FALSE |
| png | h2o | elevation-poly \* season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) + seasons + poly(elevation\_mean, 2):seasons | 79.53 | 13.56 | 7 | 56.19 | 0.08 | 13 | 5.07 | 5 | 0.41 |  | FALSE | FALSE |
| tanzania | h2o | null | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ 1 | 35.79 | 2.16 | 2 | 30.08 | 1.00 | 8 | 0.00 | 0 | 1.00 |  | FALSE | FALSE |
| tanzania | h2o | elevation | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) | 33.63 | 0.00 | 3 | 23.63 | 0.21 | 7 | 6.45 | 1 | 0.01 | \* | TRUE | TRUE |
| tanzania | h2o | elevation-poly | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) | 36.96 | 3.33 | 4 | 20.96 | 0.30 | 6 | 9.12 | 2 | 0.01 | \* | FALSE | FALSE |
| tanzania | h2o | season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ seasons | 38.01 | 4.38 | 3 | 28.00 | 0.07 | 7 | 2.07 | 1 | 0.15 |  | FALSE | FALSE |
| tanzania | h2o | elevation + season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) + seasons | 37.94 | 4.31 | 4 | 21.94 | 0.27 | 6 | 8.13 | 2 | 0.02 | \* | FALSE | FALSE |
| tanzania | h2o | elevation \* season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) + seasons + poly(elevation\_mean, 1):seasons | 45.57 | 11.94 | 5 | 20.57 | 0.32 | 5 | 9.51 | 3 | 0.02 | \* | FALSE | FALSE |
| tanzania | h2o | elevation-poly + season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) + seasons | 44.94 | 11.31 | 5 | 19.93 | 0.34 | 5 | 10.14 | 3 | 0.02 | \* | FALSE | FALSE |
| tanzania | h2o | elevation-poly \* season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) + seasons + poly(elevation\_mean, 2):seasons | 88.66 | 55.03 | 7 | 18.66 | 0.38 | 3 | 11.42 | 5 | 0.04 | \* | FALSE | FALSE |
| ecuador | lipid | null | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ 1 | 81.64 | 12.63 | 2 | 77.03 | 1.00 | 21 | 0.00 | 0 | 1.00 |  | FALSE | FALSE |
| ecuador | lipid | elevation | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) | 69.01 | 0.00 | 3 | 61.74 | 0.20 | 20 | 15.29 | 1 | 0.00 | \*\*\* | TRUE | FALSE |
| ecuador | lipid | elevation-poly | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) | 70.56 | 1.55 | 4 | 60.34 | 0.22 | 19 | 16.69 | 2 | 0.00 | \*\*\* | TRUE | TRUE |
| ecuador | lipid | season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ seasons | 84.09 | 15.08 | 3 | 76.83 | 0.00 | 20 | 0.21 | 1 | 0.65 |  | FALSE | FALSE |
| ecuador | lipid | elevation + season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) + seasons | 71.83 | 2.82 | 4 | 61.60 | 0.20 | 19 | 15.43 | 2 | 0.00 | \*\*\* | FALSE | FALSE |
| ecuador | lipid | elevation \* season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) + seasons + poly(elevation\_mean, 1):seasons | 75.13 | 6.13 | 5 | 61.60 | 0.20 | 18 | 15.43 | 3 | 0.00 | \*\* | FALSE | FALSE |
| ecuador | lipid | elevation-poly + season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) + seasons | 73.73 | 4.72 | 5 | 60.20 | 0.22 | 18 | 16.84 | 3 | 0.00 | \*\*\* | FALSE | FALSE |
| ecuador | lipid | elevation-poly \* season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) + seasons + poly(elevation\_mean, 2):seasons | 81.20 | 12.19 | 7 | 59.73 | 0.22 | 16 | 17.30 | 5 | 0.00 | \*\* | FALSE | FALSE |
| png | lipid | null | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ 1 | 65.06 | 4.12 | 2 | 60.35 | 1.00 | 18 | 0.00 | 0 | 1.00 |  | FALSE | FALSE |
| png | lipid | elevation | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) | 65.62 | 4.68 | 3 | 58.12 | 0.04 | 17 | 2.23 | 1 | 0.14 |  | FALSE | FALSE |
| png | lipid | elevation-poly | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) | 67.74 | 6.80 | 4 | 57.08 | 0.05 | 16 | 3.28 | 2 | 0.19 |  | FALSE | FALSE |
| png | lipid | season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ seasons | 61.47 | 0.53 | 3 | 53.97 | 0.11 | 17 | 6.38 | 1 | 0.01 | \* | TRUE | FALSE |
| png | lipid | elevation + season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) + seasons | 60.94 | 0.00 | 4 | 50.27 | 0.17 | 16 | 10.08 | 2 | 0.01 | \*\* | TRUE | FALSE |
| png | lipid | elevation \* season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) + seasons + poly(elevation\_mean, 1):seasons | 63.37 | 2.43 | 5 | 49.08 | 0.19 | 15 | 11.27 | 3 | 0.01 | \* | FALSE | FALSE |
| png | lipid | elevation-poly + season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) + seasons | 62.92 | 1.98 | 5 | 48.63 | 0.19 | 15 | 11.72 | 3 | 0.01 | \*\* | TRUE | TRUE |
| png | lipid | elevation-poly \* season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) + seasons + poly(elevation\_mean, 2):seasons | 68.89 | 7.95 | 7 | 45.56 | 0.24 | 13 | 14.80 | 5 | 0.01 | \* | FALSE | FALSE |
| tanzania | lipid | null | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ 1 | 36.09 | 0.00 | 2 | 30.37 | 1.00 | 8 | 0.00 | 0 | 1.00 |  | TRUE | TRUE |
| tanzania | lipid | elevation | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) | 38.54 | 2.46 | 3 | 28.54 | 0.06 | 7 | 1.83 | 1 | 0.18 |  | FALSE | FALSE |
| tanzania | lipid | elevation-poly | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) | 41.82 | 5.74 | 4 | 25.82 | 0.15 | 6 | 4.55 | 2 | 0.10 |  | FALSE | FALSE |
| tanzania | lipid | season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ seasons | 39.96 | 3.87 | 3 | 29.96 | 0.01 | 7 | 0.42 | 1 | 0.52 |  | FALSE | FALSE |
| tanzania | lipid | elevation + season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) + seasons | 43.41 | 7.32 | 4 | 27.41 | 0.10 | 6 | 2.96 | 2 | 0.23 |  | FALSE | FALSE |
| tanzania | lipid | elevation \* season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) + seasons + poly(elevation\_mean, 1):seasons | 51.53 | 15.45 | 5 | 26.53 | 0.13 | 5 | 3.84 | 3 | 0.28 |  | FALSE | FALSE |
| tanzania | lipid | elevation-poly + season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) + seasons | 50.24 | 14.16 | 5 | 25.25 | 0.17 | 5 | 5.13 | 3 | 0.16 |  | FALSE | FALSE |
| tanzania | lipid | elevation-poly \* season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) + seasons + poly(elevation\_mean, 2):seasons | 90.10 | 54.02 | 7 | 20.10 | 0.34 | 3 | 10.27 | 5 | 0.07 |  | FALSE | FALSE |
| ecuador | nacl | null | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ 1 | 83.40 | 4.03 | 2 | 78.80 | 1.00 | 21 | 0.00 | 0 | 1.00 |  | FALSE | FALSE |
| ecuador | nacl | elevation | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) | 86.04 | 6.68 | 3 | 78.78 | 0.00 | 20 | 0.01 | 1 | 0.90 |  | FALSE | FALSE |
| ecuador | nacl | elevation-poly | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) | 89.00 | 9.63 | 4 | 78.78 | 0.00 | 19 | 0.02 | 2 | 0.99 |  | FALSE | FALSE |
| ecuador | nacl | season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ seasons | 79.37 | 0.00 | 3 | 72.11 | 0.09 | 20 | 6.69 | 1 | 0.01 | \*\* | TRUE | TRUE |
| ecuador | nacl | elevation + season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) + seasons | 82.24 | 2.87 | 4 | 72.02 | 0.09 | 19 | 6.78 | 2 | 0.03 | \* | FALSE | FALSE |
| ecuador | nacl | elevation \* season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) + seasons + poly(elevation\_mean, 1):seasons | 83.75 | 4.38 | 5 | 70.22 | 0.11 | 18 | 8.58 | 3 | 0.04 | \* | FALSE | FALSE |
| ecuador | nacl | elevation-poly + season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) + seasons | 85.51 | 6.14 | 5 | 71.98 | 0.09 | 18 | 6.82 | 3 | 0.08 |  | FALSE | FALSE |
| ecuador | nacl | elevation-poly \* season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) + seasons + poly(elevation\_mean, 2):seasons | 85.93 | 6.56 | 7 | 64.47 | 0.18 | 16 | 14.33 | 5 | 0.01 | \* | FALSE | FALSE |
| png | nacl | null | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ 1 | 75.02 | 1.11 | 2 | 70.31 | 1.00 | 18 | 0.00 | 0 | 1.00 |  | TRUE | FALSE |
| png | nacl | elevation | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) | 76.53 | 2.63 | 3 | 69.03 | 0.02 | 17 | 1.27 | 1 | 0.26 |  | FALSE | FALSE |
| png | nacl | elevation-poly | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) | 78.74 | 4.84 | 4 | 68.08 | 0.03 | 16 | 2.23 | 2 | 0.33 |  | FALSE | FALSE |
| png | nacl | season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ seasons | 73.90 | 0.00 | 3 | 66.40 | 0.06 | 17 | 3.90 | 1 | 0.05 | \* | TRUE | TRUE |
| png | nacl | elevation + season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) + seasons | 75.94 | 2.03 | 4 | 65.27 | 0.07 | 16 | 5.04 | 2 | 0.08 |  | FALSE | FALSE |
| png | nacl | elevation \* season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) + seasons + poly(elevation\_mean, 1):seasons | 78.26 | 4.36 | 5 | 63.98 | 0.09 | 15 | 6.33 | 3 | 0.10 |  | FALSE | FALSE |
| png | nacl | elevation-poly + season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) + seasons | 78.23 | 4.33 | 5 | 63.94 | 0.09 | 15 | 6.36 | 3 | 0.10 |  | FALSE | FALSE |
| png | nacl | elevation-poly \* season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) + seasons + poly(elevation\_mean, 2):seasons | 85.13 | 11.22 | 7 | 61.79 | 0.12 | 13 | 8.52 | 5 | 0.13 |  | FALSE | FALSE |
| tanzania | nacl | null | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ 1 | 32.26 | 0.00 | 2 | 26.54 | 1.00 | 8 | 0.00 | 0 | 1.00 |  | TRUE | FALSE |
| tanzania | nacl | elevation | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) | 32.80 | 0.54 | 3 | 22.80 | 0.14 | 7 | 3.75 | 1 | 0.05 |  | TRUE | TRUE |
| tanzania | nacl | elevation-poly | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) | 38.21 | 5.95 | 4 | 22.21 | 0.16 | 6 | 4.34 | 2 | 0.11 |  | FALSE | FALSE |
| tanzania | nacl | season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ seasons | 36.37 | 4.12 | 3 | 26.37 | 0.01 | 7 | 0.17 | 1 | 0.68 |  | FALSE | FALSE |
| tanzania | nacl | elevation + season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) + seasons | 38.79 | 6.54 | 4 | 22.79 | 0.14 | 6 | 3.75 | 2 | 0.15 |  | FALSE | FALSE |
| tanzania | nacl | elevation \* season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 1) + seasons + poly(elevation\_mean, 1):seasons | 46.93 | 14.68 | 5 | 21.93 | 0.17 | 5 | 4.61 | 3 | 0.20 |  | FALSE | FALSE |
| tanzania | nacl | elevation-poly + season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) + seasons | 47.19 | 14.93 | 5 | 22.19 | 0.16 | 5 | 4.35 | 3 | 0.23 |  | FALSE | FALSE |
| tanzania | nacl | elevation-poly \* season | cbind(n\_occurecnes, max\_occurecnes - n\_occurecnes) ~ poly(elevation\_mean, 2) + seasons + poly(elevation\_mean, 2):seasons | 89.43 | 57.17 | 7 | 19.43 | 0.27 | 3 | 7.11 | 5 | 0.21 |  | FALSE | FALSE |