| guild | 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 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| n\_occ\_generalistic\_prop | null | n\_occ\_prop ~ 1 | 31.53 | 10.41 | 4 | 22.70 | 1.00 | 49 | 0.00 | 0 | 1.00 |  | FALSE | FALSE |
| n\_occ\_generalistic\_prop | elevation | n\_occ\_prop ~ poly(elevation\_mean, elev\_poly) | 31.98 | 10.86 | 5 | 20.71 | 0.09 | 48 | 1.99 | 1 | 0.16 |  | FALSE | FALSE |
| n\_occ\_generalistic\_prop | region | n\_occ\_prop ~ regions | 30.11 | 8.99 | 6 | 16.28 | 0.28 | 47 | 6.42 | 2 | 0.04 | \* | FALSE | FALSE |
| n\_occ\_generalistic\_prop | season | n\_occ\_prop ~ seasons | 31.04 | 9.92 | 5 | 19.77 | 0.13 | 48 | 2.93 | 1 | 0.09 |  | FALSE | FALSE |
| n\_occ\_generalistic\_prop | elevation + region | n\_occ\_prop ~ poly(elevation\_mean, elev\_poly) + regions | 22.95 | 1.83 | 7 | 6.46 | 0.72 | 46 | 16.24 | 3 | 0.00 | \*\* | TRUE | FALSE |
| n\_occ\_generalistic\_prop | elevation \* region | n\_occ\_prop ~ poly(elevation\_mean, elev\_poly) + regions + poly(elevation\_mean, elev\_poly):regions | 25.02 | 3.90 | 9 | 2.83 | 0.88 | 44 | 19.87 | 5 | 0.00 | \*\* | FALSE | FALSE |
| n\_occ\_generalistic\_prop | elevation + season | n\_occ\_prop ~ poly(elevation\_mean, elev\_poly) + seasons | 31.92 | 10.80 | 6 | 18.10 | 0.20 | 47 | 4.61 | 2 | 0.10 |  | FALSE | FALSE |
| n\_occ\_generalistic\_prop | elevation \* season | n\_occ\_prop ~ poly(elevation\_mean, elev\_poly) + seasons + poly(elevation\_mean, elev\_poly):seasons | 31.05 | 9.93 | 7 | 14.56 | 0.36 | 46 | 8.14 | 3 | 0.04 | \* | FALSE | FALSE |
| n\_occ\_generalistic\_prop | region + season | n\_occ\_prop ~ regions + seasons | 28.38 | 7.26 | 7 | 11.89 | 0.48 | 46 | 10.81 | 3 | 0.01 | \* | FALSE | FALSE |
| n\_occ\_generalistic\_prop | region \* season | n\_occ\_prop ~ regions + seasons + regions:seasons | 34.05 | 12.92 | 9 | 11.86 | 0.48 | 44 | 10.84 | 5 | 0.06 |  | FALSE | FALSE |
| n\_occ\_generalistic\_prop | elevation + region + season | n\_occ\_prop ~ poly(elevation\_mean, elev\_poly) + regions + seasons | 21.12 | 0.00 | 8 | 1.85 | 0.92 | 45 | 20.85 | 4 | 0.00 | \*\*\* | TRUE | TRUE |
| n\_occ\_generalistic\_prop | elevation + region \* season | n\_occ\_prop ~ poly(elevation\_mean, elev\_poly) + regions + seasons + poly(elevation\_mean, elev\_poly):seasons + regions:seasons | 24.26 | 3.14 | 11 | -4.18 | 1.18 | 42 | 26.88 | 7 | 0.00 | \*\*\* | FALSE | FALSE |
| n\_occ\_generalistic\_prop | elevation \* region + season | n\_occ\_prop ~ poly(elevation\_mean, elev\_poly) + regions + seasons + poly(elevation\_mean, elev\_poly):regions | 23.64 | 2.52 | 10 | -1.60 | 1.07 | 43 | 24.30 | 6 | 0.00 | \*\*\* | FALSE | FALSE |
| n\_occ\_generalistic\_prop | elevation \* region \* season | n\_occ\_prop ~ poly(elevation\_mean, elev\_poly) + regions + seasons + poly(elevation\_mean, elev\_poly):regions + poly(elevation\_mean, elev\_poly):seasons + regions:seasons + poly(elevation\_mean, elev\_poly):regions:seasons | 30.66 | 9.54 | 15 | -12.31 | 1.54 | 38 | 35.01 | 11 | 0.00 | \*\*\* | FALSE | FALSE |
| n\_occ\_herbivorous\_trophobiotic\_prop | null | n\_occ\_prop ~ 1 | 47.42 | 12.55 | 4 | 38.58 | 1.00 | 49 | 0.00 | 0 | 1.00 |  | FALSE | FALSE |
| n\_occ\_herbivorous\_trophobiotic\_prop | elevation | n\_occ\_prop ~ poly(elevation\_mean, elev\_poly) | 45.71 | 10.85 | 5 | 34.44 | 0.11 | 48 | 4.15 | 1 | 0.04 | \* | FALSE | FALSE |
| n\_occ\_herbivorous\_trophobiotic\_prop | region | n\_occ\_prop ~ regions | 47.39 | 12.52 | 6 | 33.56 | 0.13 | 47 | 5.02 | 2 | 0.08 |  | FALSE | FALSE |
| n\_occ\_herbivorous\_trophobiotic\_prop | season | n\_occ\_prop ~ seasons | 44.88 | 10.02 | 5 | 33.60 | 0.13 | 48 | 4.98 | 1 | 0.03 | \* | FALSE | FALSE |
| n\_occ\_herbivorous\_trophobiotic\_prop | elevation + region | n\_occ\_prop ~ poly(elevation\_mean, elev\_poly) + regions | 39.41 | 4.54 | 7 | 22.92 | 0.41 | 46 | 15.66 | 3 | 0.00 | \*\* | FALSE | FALSE |
| n\_occ\_herbivorous\_trophobiotic\_prop | elevation \* region | n\_occ\_prop ~ poly(elevation\_mean, elev\_poly) + regions + poly(elevation\_mean, elev\_poly):regions | 44.79 | 9.93 | 9 | 22.61 | 0.41 | 44 | 15.98 | 5 | 0.01 | \*\* | FALSE | FALSE |
| n\_occ\_herbivorous\_trophobiotic\_prop | elevation + season | n\_occ\_prop ~ poly(elevation\_mean, elev\_poly) + seasons | 41.84 | 6.98 | 6 | 28.02 | 0.27 | 47 | 10.57 | 2 | 0.00 | \*\* | FALSE | FALSE |
| n\_occ\_herbivorous\_trophobiotic\_prop | elevation \* season | n\_occ\_prop ~ poly(elevation\_mean, elev\_poly) + seasons + poly(elevation\_mean, elev\_poly):seasons | 44.30 | 9.43 | 7 | 27.81 | 0.28 | 46 | 10.77 | 3 | 0.01 | \* | FALSE | FALSE |
| n\_occ\_herbivorous\_trophobiotic\_prop | region + season | n\_occ\_prop ~ regions + seasons | 44.44 | 9.58 | 7 | 27.95 | 0.28 | 46 | 10.63 | 3 | 0.01 | \* | FALSE | FALSE |
| n\_occ\_herbivorous\_trophobiotic\_prop | region \* season | n\_occ\_prop ~ regions + seasons + regions:seasons | 46.88 | 12.02 | 9 | 24.70 | 0.36 | 44 | 13.89 | 5 | 0.02 | \* | FALSE | FALSE |
| n\_occ\_herbivorous\_trophobiotic\_prop | elevation + region + season | n\_occ\_prop ~ poly(elevation\_mean, elev\_poly) + regions + seasons | 34.86 | 0.00 | 8 | 15.59 | 0.60 | 45 | 22.99 | 4 | 0.00 | \*\*\* | TRUE | TRUE |
| n\_occ\_herbivorous\_trophobiotic\_prop | elevation + region \* season | n\_occ\_prop ~ poly(elevation\_mean, elev\_poly) + regions + seasons + poly(elevation\_mean, elev\_poly):seasons + regions:seasons | 39.56 | 4.69 | 11 | 11.12 | 0.71 | 42 | 27.46 | 7 | 0.00 | \*\*\* | FALSE | FALSE |
| n\_occ\_herbivorous\_trophobiotic\_prop | elevation \* region + season | n\_occ\_prop ~ poly(elevation\_mean, elev\_poly) + regions + seasons + poly(elevation\_mean, elev\_poly):regions | 40.74 | 5.88 | 10 | 15.51 | 0.60 | 43 | 23.08 | 6 | 0.00 | \*\*\* | FALSE | FALSE |
| n\_occ\_herbivorous\_trophobiotic\_prop | elevation \* region \* season | n\_occ\_prop ~ poly(elevation\_mean, elev\_poly) + regions + seasons + poly(elevation\_mean, elev\_poly):regions + poly(elevation\_mean, elev\_poly):seasons + regions:seasons + poly(elevation\_mean, elev\_poly):regions:seasons | 52.66 | 17.80 | 15 | 9.69 | 0.75 | 38 | 28.90 | 11 | 0.00 | \*\* | FALSE | FALSE |
| n\_occ\_predator\_scavenger\_prop | null | n\_occ\_prop ~ 1 | 64.91 | 39.10 | 4 | 56.08 | 1.00 | 49 | 0.00 | 0 | 1.00 |  | FALSE | FALSE |
| n\_occ\_predator\_scavenger\_prop | elevation | n\_occ\_prop ~ poly(elevation\_mean, elev\_poly) | 62.06 | 36.25 | 5 | 50.78 | 0.09 | 48 | 5.29 | 1 | 0.02 | \* | FALSE | FALSE |
| n\_occ\_predator\_scavenger\_prop | region | n\_occ\_prop ~ regions | 57.24 | 31.42 | 6 | 43.41 | 0.23 | 47 | 12.66 | 2 | 0.00 | \*\* | FALSE | FALSE |
| n\_occ\_predator\_scavenger\_prop | season | n\_occ\_prop ~ seasons | 67.26 | 41.45 | 5 | 55.99 | 0.00 | 48 | 0.09 | 1 | 0.77 |  | FALSE | FALSE |
| n\_occ\_predator\_scavenger\_prop | elevation + region | n\_occ\_prop ~ poly(elevation\_mean, elev\_poly) + regions | 36.74 | 10.93 | 7 | 20.25 | 0.64 | 46 | 35.82 | 3 | 0.00 | \*\*\* | FALSE | FALSE |
| n\_occ\_predator\_scavenger\_prop | elevation \* region | n\_occ\_prop ~ poly(elevation\_mean, elev\_poly) + regions + poly(elevation\_mean, elev\_poly):regions | 25.81 | 0.00 | 9 | 3.63 | 0.94 | 44 | 52.45 | 5 | 0.00 | \*\*\* | TRUE | TRUE |
| n\_occ\_predator\_scavenger\_prop | elevation + season | n\_occ\_prop ~ poly(elevation\_mean, elev\_poly) + seasons | 64.58 | 38.77 | 6 | 50.76 | 0.10 | 47 | 5.32 | 2 | 0.07 |  | FALSE | FALSE |
| n\_occ\_predator\_scavenger\_prop | elevation \* season | n\_occ\_prop ~ poly(elevation\_mean, elev\_poly) + seasons + poly(elevation\_mean, elev\_poly):seasons | 65.82 | 40.01 | 7 | 49.34 | 0.12 | 46 | 6.74 | 3 | 0.08 |  | FALSE | FALSE |
| n\_occ\_predator\_scavenger\_prop | region + season | n\_occ\_prop ~ regions + seasons | 59.42 | 33.61 | 7 | 42.93 | 0.23 | 46 | 13.15 | 3 | 0.00 | \*\* | FALSE | FALSE |
| n\_occ\_predator\_scavenger\_prop | region \* season | n\_occ\_prop ~ regions + seasons + regions:seasons | 62.66 | 36.85 | 9 | 40.47 | 0.28 | 44 | 15.60 | 5 | 0.01 | \*\* | FALSE | FALSE |
| n\_occ\_predator\_scavenger\_prop | elevation + region + season | n\_occ\_prop ~ poly(elevation\_mean, elev\_poly) + regions + seasons | 38.77 | 12.96 | 8 | 19.50 | 0.65 | 45 | 36.58 | 4 | 0.00 | \*\*\* | FALSE | FALSE |
| n\_occ\_predator\_scavenger\_prop | elevation + region \* season | n\_occ\_prop ~ poly(elevation\_mean, elev\_poly) + regions + seasons + poly(elevation\_mean, elev\_poly):seasons + regions:seasons | 41.14 | 15.32 | 11 | 12.70 | 0.77 | 42 | 43.38 | 7 | 0.00 | \*\*\* | FALSE | FALSE |
| n\_occ\_predator\_scavenger\_prop | elevation \* region + season | n\_occ\_prop ~ poly(elevation\_mean, elev\_poly) + regions + seasons + poly(elevation\_mean, elev\_poly):regions | 27.82 | 2.00 | 10 | 2.58 | 0.95 | 43 | 53.50 | 6 | 0.00 | \*\*\* | FALSE | FALSE |
| n\_occ\_predator\_scavenger\_prop | elevation \* region \* season | n\_occ\_prop ~ poly(elevation\_mean, elev\_poly) + regions + seasons + poly(elevation\_mean, elev\_poly):regions + poly(elevation\_mean, elev\_poly):seasons + regions:seasons + poly(elevation\_mean, elev\_poly):regions:seasons | 34.51 | 8.70 | 15 | -8.46 | 1.15 | 38 | 64.54 | 11 | 0.00 | \*\*\* | FALSE | FALSE |