| regions | sel\_nutrient | mod\_name | 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 | 73.30 | 0.00 | 2 | 68.70 | 1.00 | 21 | 0.00 | 0 | 1.00 |  | TRUE | FALSE |
| ecuador | amino\_acid | g | 75.16 | 1.86 | 3 | 67.89 | 0.01 | 20 | 0.81 | 1 | 0.37 |  | TRUE | TRUE |
| ecuador | amino\_acid | ht | 75.31 | 2.01 | 3 | 68.05 | 0.01 | 20 | 0.65 | 1 | 0.42 |  | FALSE | FALSE |
| ecuador | amino\_acid | ps | 75.93 | 2.63 | 3 | 68.67 | 0.00 | 20 | 0.03 | 1 | 0.87 |  | FALSE | FALSE |
| png | amino\_acid | null | 70.44 | 1.93 | 2 | 65.74 | 1.00 | 18 | 0.00 | 0 | 1.00 |  | TRUE | FALSE |
| png | amino\_acid | g | 73.07 | 4.56 | 3 | 65.57 | 0.00 | 17 | 0.16 | 1 | 0.69 |  | FALSE | FALSE |
| png | amino\_acid | ht | 71.82 | 3.31 | 3 | 64.32 | 0.02 | 17 | 1.41 | 1 | 0.23 |  | FALSE | FALSE |
| png | amino\_acid | ps | 68.51 | 0.00 | 3 | 61.01 | 0.07 | 17 | 4.72 | 1 | 0.03 | \* | TRUE | TRUE |
| tanzania | amino\_acid | null | 38.05 | 0.00 | 2 | 32.33 | 1.00 | 8 | 0.00 | 0 | 1.00 |  | TRUE | TRUE |
| tanzania | amino\_acid | g | 42.23 | 4.18 | 3 | 32.23 | 0.00 | 7 | 0.10 | 1 | 0.75 |  | FALSE | FALSE |
| tanzania | amino\_acid | ht | 41.74 | 3.69 | 3 | 31.74 | 0.02 | 7 | 0.59 | 1 | 0.44 |  | FALSE | FALSE |
| tanzania | amino\_acid | ps | 42.19 | 4.15 | 3 | 32.19 | 0.00 | 7 | 0.14 | 1 | 0.71 |  | FALSE | FALSE |
| ecuador | cho | null | 77.39 | 0.00 | 2 | 72.79 | 1.00 | 21 | 0.00 | 0 | 1.00 |  | TRUE | TRUE |
| ecuador | cho | g | 80.03 | 2.64 | 3 | 72.77 | 0.00 | 20 | 0.02 | 1 | 0.88 |  | FALSE | FALSE |
| ecuador | cho | ht | 79.64 | 2.25 | 3 | 72.38 | 0.01 | 20 | 0.41 | 1 | 0.52 |  | FALSE | FALSE |
| ecuador | cho | ps | 80.05 | 2.66 | 3 | 72.79 | 0.00 | 20 | 0.00 | 1 | 0.96 |  | FALSE | FALSE |
| png | cho | null | 68.08 | 0.00 | 2 | 63.38 | 1.00 | 18 | 0.00 | 0 | 1.00 |  | TRUE | TRUE |
| png | cho | g | 70.84 | 2.76 | 3 | 63.34 | 0.00 | 17 | 0.03 | 1 | 0.86 |  | FALSE | FALSE |
| png | cho | ht | 70.84 | 2.76 | 3 | 63.34 | 0.00 | 17 | 0.03 | 1 | 0.86 |  | FALSE | FALSE |
| png | cho | ps | 70.87 | 2.79 | 3 | 63.37 | 0.00 | 17 | 0.00 | 1 | 0.96 |  | FALSE | FALSE |
| tanzania | cho | null | 28.41 | 0.00 | 2 | 22.70 | 1.00 | 8 | 0.00 | 0 | 1.00 |  | TRUE | TRUE |
| tanzania | cho | g | 31.82 | 3.40 | 3 | 21.82 | 0.04 | 7 | 0.88 | 1 | 0.35 |  | FALSE | FALSE |
| tanzania | cho | ht | 32.13 | 3.72 | 3 | 22.13 | 0.03 | 7 | 0.57 | 1 | 0.45 |  | FALSE | FALSE |
| tanzania | cho | ps | 32.68 | 4.27 | 3 | 22.68 | 0.00 | 7 | 0.02 | 1 | 0.89 |  | FALSE | FALSE |
| ecuador | cho\_amino\_acid | null | 79.20 | 4.11 | 2 | 74.60 | 1.00 | 21 | 0.00 | 0 | 1.00 |  | FALSE | FALSE |
| ecuador | cho\_amino\_acid | g | 77.98 | 2.90 | 3 | 70.72 | 0.05 | 20 | 3.88 | 1 | 0.05 | \* | FALSE | FALSE |
| ecuador | cho\_amino\_acid | ht | 75.09 | 0.00 | 3 | 67.83 | 0.09 | 20 | 6.77 | 1 | 0.01 | \*\* | TRUE | TRUE |
| ecuador | cho\_amino\_acid | ps | 80.52 | 5.43 | 3 | 73.26 | 0.02 | 20 | 1.34 | 1 | 0.25 |  | FALSE | FALSE |
| png | cho\_amino\_acid | null | 73.57 | 0.00 | 2 | 68.87 | 1.00 | 18 | 0.00 | 0 | 1.00 |  | TRUE | FALSE |
| png | cho\_amino\_acid | g | 74.22 | 0.64 | 3 | 66.72 | 0.03 | 17 | 2.15 | 1 | 0.14 |  | TRUE | FALSE |
| png | cho\_amino\_acid | ht | 73.94 | 0.37 | 3 | 66.44 | 0.04 | 17 | 2.42 | 1 | 0.12 |  | TRUE | TRUE |
| png | cho\_amino\_acid | ps | 76.30 | 2.73 | 3 | 68.80 | 0.00 | 17 | 0.06 | 1 | 0.80 |  | FALSE | FALSE |
| tanzania | cho\_amino\_acid | null | 33.60 | 0.41 | 2 | 27.89 | 1.00 | 8 | 0.00 | 0 | 1.00 |  | TRUE | FALSE |
| tanzania | cho\_amino\_acid | g | 36.01 | 2.82 | 3 | 26.01 | 0.07 | 7 | 1.87 | 1 | 0.17 |  | FALSE | FALSE |
| tanzania | cho\_amino\_acid | ht | 37.88 | 4.69 | 3 | 27.88 | 0.00 | 7 | 0.00 | 1 | 0.97 |  | FALSE | FALSE |
| tanzania | cho\_amino\_acid | ps | 33.19 | 0.00 | 3 | 23.19 | 0.17 | 7 | 4.69 | 1 | 0.03 | \* | TRUE | TRUE |
| ecuador | h2o | null | 61.31 | 0.00 | 2 | 56.71 | 1.00 | 21 | 0.00 | 0 | 1.00 |  | TRUE | FALSE |
| ecuador | h2o | g | 63.26 | 1.96 | 3 | 56.00 | 0.01 | 20 | 0.71 | 1 | 0.40 |  | TRUE | TRUE |
| ecuador | h2o | ht | 63.65 | 2.34 | 3 | 56.38 | 0.01 | 20 | 0.32 | 1 | 0.57 |  | FALSE | FALSE |
| ecuador | h2o | ps | 63.80 | 2.49 | 3 | 56.54 | 0.00 | 20 | 0.17 | 1 | 0.68 |  | FALSE | FALSE |
| png | h2o | null | 65.97 | 0.00 | 2 | 61.26 | 1.00 | 18 | 0.00 | 0 | 1.00 |  | TRUE | FALSE |
| png | h2o | g | 66.42 | 0.46 | 3 | 58.92 | 0.04 | 17 | 2.34 | 1 | 0.13 |  | TRUE | TRUE |
| png | h2o | ht | 68.33 | 2.37 | 3 | 60.83 | 0.01 | 17 | 0.43 | 1 | 0.51 |  | FALSE | FALSE |
| png | h2o | ps | 67.86 | 1.90 | 3 | 60.36 | 0.01 | 17 | 0.90 | 1 | 0.34 |  | TRUE | FALSE |
| tanzania | h2o | null | 35.79 | 0.00 | 2 | 30.08 | 1.00 | 8 | 0.00 | 0 | 1.00 |  | TRUE | FALSE |
| tanzania | h2o | g | 39.98 | 4.19 | 3 | 29.98 | 0.00 | 7 | 0.09 | 1 | 0.76 |  | FALSE | FALSE |
| tanzania | h2o | ht | 37.42 | 1.63 | 3 | 27.42 | 0.09 | 7 | 2.65 | 1 | 0.10 |  | TRUE | TRUE |
| tanzania | h2o | ps | 39.26 | 3.48 | 3 | 29.26 | 0.03 | 7 | 0.81 | 1 | 0.37 |  | FALSE | FALSE |
| ecuador | lipid | null | 81.64 | 0.57 | 2 | 77.03 | 1.00 | 21 | 0.00 | 0 | 1.00 |  | TRUE | FALSE |
| ecuador | lipid | g | 83.51 | 2.45 | 3 | 76.25 | 0.01 | 20 | 0.78 | 1 | 0.38 |  | FALSE | FALSE |
| ecuador | lipid | ht | 81.06 | 0.00 | 3 | 73.80 | 0.04 | 20 | 3.23 | 1 | 0.07 |  | TRUE | TRUE |
| ecuador | lipid | ps | 83.78 | 2.71 | 3 | 76.51 | 0.01 | 20 | 0.52 | 1 | 0.47 |  | FALSE | FALSE |
| png | lipid | null | 65.06 | 0.00 | 2 | 60.35 | 1.00 | 18 | 0.00 | 0 | 1.00 |  | TRUE | TRUE |
| png | lipid | g | 67.84 | 2.79 | 3 | 60.34 | 0.00 | 17 | 0.01 | 1 | 0.93 |  | FALSE | FALSE |
| png | lipid | ht | 67.19 | 2.13 | 3 | 59.69 | 0.01 | 17 | 0.66 | 1 | 0.42 |  | FALSE | FALSE |
| png | lipid | ps | 67.28 | 2.22 | 3 | 59.78 | 0.01 | 17 | 0.57 | 1 | 0.45 |  | FALSE | FALSE |
| tanzania | lipid | null | 36.09 | 0.00 | 2 | 30.37 | 1.00 | 8 | 0.00 | 0 | 1.00 |  | TRUE | TRUE |
| tanzania | lipid | g | 38.36 | 2.27 | 3 | 28.36 | 0.07 | 7 | 2.02 | 1 | 0.16 |  | FALSE | FALSE |
| tanzania | lipid | ht | 39.94 | 3.86 | 3 | 29.94 | 0.01 | 7 | 0.43 | 1 | 0.51 |  | FALSE | FALSE |
| tanzania | lipid | ps | 38.14 | 2.05 | 3 | 28.14 | 0.07 | 7 | 2.23 | 1 | 0.14 |  | FALSE | FALSE |
| ecuador | nacl | null | 83.40 | 0.94 | 2 | 78.80 | 1.00 | 21 | 0.00 | 0 | 1.00 |  | TRUE | FALSE |
| ecuador | nacl | g | 85.98 | 3.52 | 3 | 78.72 | 0.00 | 20 | 0.08 | 1 | 0.78 |  | FALSE | FALSE |
| ecuador | nacl | ht | 84.26 | 1.80 | 3 | 77.00 | 0.02 | 20 | 1.80 | 1 | 0.18 |  | TRUE | FALSE |
| ecuador | nacl | ps | 82.46 | 0.00 | 3 | 75.20 | 0.05 | 20 | 3.60 | 1 | 0.06 |  | TRUE | TRUE |
| png | nacl | null | 75.02 | 2.75 | 2 | 70.31 | 1.00 | 18 | 0.00 | 0 | 1.00 |  | FALSE | FALSE |
| png | nacl | g | 72.27 | 0.00 | 3 | 64.77 | 0.08 | 17 | 5.54 | 1 | 0.02 | \* | TRUE | TRUE |
| png | nacl | ht | 74.99 | 2.72 | 3 | 67.49 | 0.04 | 17 | 2.82 | 1 | 0.09 |  | FALSE | FALSE |
| png | nacl | ps | 77.38 | 5.12 | 3 | 69.88 | 0.01 | 17 | 0.43 | 1 | 0.51 |  | FALSE | FALSE |
| tanzania | nacl | null | 32.26 | 0.00 | 2 | 26.54 | 1.00 | 8 | 0.00 | 0 | 1.00 |  | TRUE | TRUE |
| tanzania | nacl | g | 35.75 | 3.49 | 3 | 25.75 | 0.03 | 7 | 0.79 | 1 | 0.37 |  | FALSE | FALSE |
| tanzania | nacl | ht | 34.44 | 2.18 | 3 | 24.44 | 0.08 | 7 | 2.10 | 1 | 0.15 |  | FALSE | FALSE |
| tanzania | nacl | ps | 35.66 | 3.40 | 3 | 25.66 | 0.03 | 7 | 0.89 | 1 | 0.35 |  | FALSE | FALSE |