| regions | sel\_bait\_type | mod\_name | model\_df | AICc | delta | weight | best\_model | r2 | mod\_r2\_partial | aov\_df | aov\_aic | aov\_bic | aov\_log\_lik | aov\_deviance | aov\_chisq | aov\_chi\_df | aov\_pr\_chisq | aov\_signif |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ecuador | amino\_acid | null | 2 | 73.30 | 6.75 | 0.03 | FALSE | 0.00 | NA | 2 | 72.70 | 74.97 | -34.35 | 68.70 | 0.00 | 0 | 1.00 |  |
| ecuador | amino\_acid | elevation | 4 | 78.12 | 11.57 | 0.00 | FALSE | 0.00 | NA | 4 | 75.90 | 80.44 | -33.95 | 67.90 | 0.80 | 2 | 0.67 |  |
| ecuador | amino\_acid | season | 3 | 66.55 | 0.00 | 0.78 | TRUE | 0.00 | NA | 3 | 65.29 | 68.69 | -29.64 | 59.29 | 9.41 | 1 | 0.00 | \*\* |
| ecuador | amino\_acid | elevation + season | 5 | 71.71 | 5.16 | 0.06 | FALSE | 0.00 | NA | 5 | 68.18 | 73.86 | -29.09 | 58.18 | 10.52 | 3 | 0.01 | \* |
| ecuador | amino\_acid | elevation \* season | 7 | 70.05 | 3.50 | 0.14 | FALSE | 0.00 | NA | 7 | 62.58 | 70.53 | -24.29 | 48.58 | 20.11 | 5 | 0.00 | \*\* |
| ecuador | cho | null | 2 | 77.39 | 1.19 | 0.32 | TRUE | 0.00 | NA | 2 | 76.79 | 79.06 | -36.39 | 72.79 | 0.00 | 0 | 1.00 |  |
| ecuador | cho | elevation | 4 | 82.23 | 6.03 | 0.03 | FALSE | 0.01 | NA | 4 | 80.01 | 84.55 | -36.01 | 72.01 | 0.78 | 2 | 0.68 |  |
| ecuador | cho | season | 3 | 76.20 | 0.00 | 0.58 | FALSE | 0.08 | NA | 3 | 74.94 | 78.34 | -34.47 | 68.94 | 3.85 | 1 | 0.05 | \* |
| ecuador | cho | elevation + season | 5 | 81.70 | 5.50 | 0.04 | FALSE | 0.06 | NA | 5 | 78.17 | 83.84 | -34.08 | 68.17 | 4.62 | 3 | 0.20 |  |
| ecuador | cho | elevation \* season | 7 | 81.50 | 5.30 | 0.04 | FALSE | 0.02 | NA | 7 | 74.04 | 81.98 | -30.02 | 60.04 | 12.75 | 5 | 0.03 | \* |
| ecuador | cho\_amino\_acid | null | 2 | 79.20 | 0.00 | 0.41 | TRUE | 0.00 | NA | 2 | 78.60 | 80.87 | -37.30 | 74.60 | 0.00 | 0 | 1.00 |  |
| ecuador | cho\_amino\_acid | elevation | 4 | 79.48 | 0.29 | 0.36 | FALSE | 0.01 | NA | 4 | 77.26 | 81.80 | -34.63 | 69.26 | 5.33 | 2 | 0.07 |  |
| ecuador | cho\_amino\_acid | season | 3 | 81.41 | 2.21 | 0.14 | FALSE | 0.04 | NA | 3 | 80.14 | 83.55 | -37.07 | 74.14 | 0.45 | 1 | 0.50 |  |
| ecuador | cho\_amino\_acid | elevation + season | 5 | 82.53 | 3.34 | 0.08 | FALSE | 0.01 | NA | 5 | 79.00 | 84.68 | -34.50 | 69.00 | 5.59 | 3 | 0.13 |  |
| ecuador | cho\_amino\_acid | elevation \* season | 7 | 85.94 | 6.75 | 0.01 | FALSE | 0.14 | NA | 7 | 78.48 | 86.43 | -32.24 | 64.48 | 10.12 | 5 | 0.07 |  |
| ecuador | h2o | null | 2 | 61.31 | 0.00 | 0.74 | TRUE | 0.00 | NA | 2 | 60.71 | 62.98 | -28.35 | 56.71 | 0.00 | 0 | 1.00 |  |
| ecuador | h2o | elevation | 4 | 66.81 | 5.51 | 0.05 | FALSE | 0.00 | NA | 4 | 64.59 | 69.13 | -28.30 | 56.59 | 0.12 | 2 | 0.94 |  |
| ecuador | h2o | season | 3 | 63.90 | 2.60 | 0.20 | FALSE | 0.00 | NA | 3 | 62.64 | 66.05 | -28.32 | 56.64 | 0.07 | 1 | 0.80 |  |
| ecuador | h2o | elevation + season | 5 | 70.06 | 8.75 | 0.01 | FALSE | 0.00 | NA | 5 | 66.53 | 72.21 | -28.27 | 56.53 | 0.17 | 3 | 0.98 |  |
| ecuador | h2o | elevation \* season | 7 | 73.40 | 12.09 | 0.00 | FALSE | 0.00 | NA | 7 | 65.93 | 73.88 | -25.97 | 51.93 | 4.78 | 5 | 0.44 |  |
| ecuador | lipid | null | 2 | 81.63 | 11.07 | 0.00 | FALSE | 0.00 | NA | 2 | 81.03 | 83.31 | -38.52 | 77.03 | 0.00 | 0 | 1.00 |  |
| ecuador | lipid | elevation | 4 | 70.56 | 0.00 | 0.82 | TRUE | 0.00 | NA | 4 | 68.34 | 72.88 | -30.17 | 60.34 | 16.69 | 2 | 0.00 | \*\*\* |
| ecuador | lipid | season | 3 | 84.09 | 13.53 | 0.00 | FALSE | 0.00 | NA | 3 | 82.83 | 86.23 | -38.41 | 76.83 | 0.21 | 1 | 0.65 |  |
| ecuador | lipid | elevation + season | 5 | 73.73 | 3.17 | 0.17 | FALSE | 0.00 | NA | 5 | 70.20 | 75.88 | -30.10 | 60.20 | 16.83 | 3 | 0.00 | \*\*\* |
| ecuador | lipid | elevation \* season | 7 | 81.20 | 10.63 | 0.00 | FALSE | 0.00 | NA | 7 | 73.73 | 81.68 | -29.86 | 59.73 | 17.31 | 5 | 0.00 | \*\* |
| ecuador | nacl | null | 2 | 83.40 | 4.03 | 0.11 | FALSE | 0.00 | NA | 2 | 82.80 | 85.07 | -39.40 | 78.80 | 0.00 | 0 | 1.00 |  |
| ecuador | nacl | elevation | 4 | 89.00 | 9.63 | 0.01 | FALSE | 0.01 | NA | 4 | 86.78 | 91.32 | -39.39 | 78.78 | 0.02 | 2 | 0.99 |  |
| ecuador | nacl | season | 3 | 79.37 | 0.00 | 0.82 | TRUE | 0.27 | NA | 3 | 78.11 | 81.51 | -36.05 | 72.11 | 6.69 | 1 | 0.01 | \*\* |
| ecuador | nacl | elevation + season | 5 | 85.51 | 6.14 | 0.04 | FALSE | 0.28 | NA | 5 | 81.98 | 87.66 | -35.99 | 71.98 | 6.82 | 3 | 0.08 |  |
| ecuador | nacl | elevation \* season | 7 | 85.93 | 6.56 | 0.03 | FALSE | 0.34 | NA | 7 | 78.46 | 86.41 | -32.23 | 64.46 | 14.33 | 5 | 0.01 | \* |
| png | amino\_acid | null | 2 | 70.44 | 5.78 | 0.05 | FALSE | 0.00 | NA | 2 | 69.74 | 71.73 | -32.87 | 65.74 | 0.00 | 0 | 1.00 |  |
| png | amino\_acid | elevation | 4 | 76.10 | 11.44 | 0.00 | FALSE | 0.01 | NA | 4 | 73.43 | 77.41 | -32.72 | 65.43 | 0.30 | 2 | 0.86 |  |
| png | amino\_acid | season | 3 | 64.66 | 0.00 | 0.91 | TRUE | 0.03 | NA | 3 | 63.16 | 66.15 | -28.58 | 57.16 | 8.58 | 1 | 0.00 | \*\* |
| png | amino\_acid | elevation + season | 5 | 71.01 | 6.35 | 0.04 | FALSE | 0.02 | NA | 5 | 66.73 | 71.70 | -28.36 | 56.73 | 9.01 | 3 | 0.03 | \* |
| png | amino\_acid | elevation \* season | 7 | 79.78 | 15.12 | 0.00 | FALSE | 0.04 | NA | 7 | 70.45 | 77.42 | -28.22 | 56.45 | 9.29 | 5 | 0.10 |  |
| png | cho | null | 2 | 68.08 | 0.00 | 0.61 | TRUE | 0.00 | NA | 2 | 67.38 | 69.37 | -31.69 | 63.38 | 0.00 | 0 | 1.00 |  |
| png | cho | elevation | 4 | 73.66 | 5.58 | 0.04 | FALSE | 0.00 | NA | 4 | 70.99 | 74.98 | -31.50 | 62.99 | 0.38 | 2 | 0.83 |  |
| png | cho | season | 3 | 69.22 | 1.14 | 0.34 | FALSE | 0.13 | NA | 3 | 67.72 | 70.71 | -30.86 | 61.72 | 1.66 | 1 | 0.20 |  |
| png | cho | elevation + season | 5 | 75.56 | 7.48 | 0.01 | FALSE | 0.12 | NA | 5 | 71.27 | 76.25 | -30.64 | 61.27 | 2.10 | 3 | 0.55 |  |
| png | cho | elevation \* season | 7 | 84.27 | 16.19 | 0.00 | FALSE | 0.15 | NA | 7 | 74.94 | 81.91 | -30.47 | 60.94 | 2.43 | 5 | 0.79 |  |
| png | cho\_amino\_acid | null | 2 | 73.57 | 0.78 | 0.37 | TRUE | 0.00 | NA | 2 | 72.87 | 74.86 | -34.43 | 68.87 | 0.00 | 0 | 1.00 |  |
| png | cho\_amino\_acid | elevation | 4 | 78.13 | 5.34 | 0.04 | FALSE | 0.00 | NA | 4 | 75.47 | 79.45 | -33.73 | 67.47 | 1.40 | 2 | 0.50 |  |
| png | cho\_amino\_acid | season | 3 | 72.79 | 0.00 | 0.54 | FALSE | 0.00 | NA | 3 | 71.29 | 74.28 | -32.64 | 65.29 | 3.58 | 1 | 0.06 |  |
| png | cho\_amino\_acid | elevation + season | 5 | 77.48 | 4.70 | 0.05 | FALSE | 0.00 | NA | 5 | 73.20 | 78.18 | -31.60 | 63.20 | 5.67 | 3 | 0.13 |  |
| png | cho\_amino\_acid | elevation \* season | 7 | 83.43 | 10.64 | 0.00 | FALSE | 0.00 | NA | 7 | 74.10 | 81.07 | -30.05 | 60.10 | 8.77 | 5 | 0.12 |  |
| png | h2o | null | 2 | 65.96 | 0.00 | 0.61 | TRUE | 0.00 | NA | 2 | 65.26 | 67.25 | -30.63 | 61.26 | 0.00 | 0 | 1.00 |  |
| png | h2o | elevation | 4 | 70.61 | 4.64 | 0.06 | FALSE | 0.05 | NA | 4 | 67.94 | 71.93 | -29.97 | 59.94 | 1.32 | 2 | 0.52 |  |
| png | h2o | season | 3 | 67.37 | 1.41 | 0.30 | FALSE | 0.04 | NA | 3 | 65.87 | 68.86 | -29.94 | 59.87 | 1.38 | 1 | 0.24 |  |
| png | h2o | elevation + season | 5 | 72.76 | 6.79 | 0.02 | FALSE | 0.08 | NA | 5 | 68.47 | 73.45 | -29.24 | 58.47 | 2.78 | 3 | 0.43 |  |
| png | h2o | elevation \* season | 7 | 79.53 | 13.56 | 0.00 | FALSE | 0.05 | NA | 7 | 70.19 | 77.16 | -28.10 | 56.19 | 5.07 | 5 | 0.41 |  |
| png | lipid | null | 2 | 65.06 | 3.59 | NA | FALSE | 0.00 | NA | 2 | 64.35 | 66.34 | -30.18 | 60.35 | 0.00 | 0 | 1.00 |  |
| png | lipid | elevation | 4 | 67.74 | 6.27 | NA | FALSE | 0.01 | NA | 4 | 65.08 | 69.06 | -28.54 | 57.08 | 3.28 | 2 | 0.19 |  |
| png | lipid | season | 3 | 61.47 | 0.00 | NA | TRUE | 0.00 | NA | 3 | 59.97 | 62.96 | -26.98 | 53.97 | 6.38 | 1 | 0.01 | \* |
| png | lipid | elevation + season | 5 | 62.92 | 1.45 | NA | FALSE | 0.01 | NA | 5 | 58.63 | 63.61 | -24.32 | 48.63 | 11.72 | 3 | 0.01 | \*\* |
| png | lipid | elevation \* season | 7 | NA | NA | NA | FALSE | 0.00 | NA | 7 | NA | NA | NA | NA | NA | 5 | NA |  |
| png | nacl | null | 2 | 75.01 | 1.11 | 0.32 | TRUE | 0.00 | NA | 2 | 74.31 | 76.30 | -35.15 | 70.31 | 0.00 | 0 | 1.00 |  |
| png | nacl | elevation | 4 | 78.74 | 4.84 | 0.05 | FALSE | 0.01 | NA | 4 | 76.08 | 80.06 | -34.04 | 68.08 | 2.23 | 2 | 0.33 |  |
| png | nacl | season | 3 | 73.90 | 0.00 | 0.56 | FALSE | 0.00 | NA | 3 | 72.40 | 75.39 | -33.20 | 66.40 | 3.90 | 1 | 0.05 | \* |
| png | nacl | elevation + season | 5 | 78.23 | 4.33 | 0.06 | FALSE | 0.01 | NA | 5 | 73.94 | 78.92 | -31.97 | 63.94 | 6.36 | 3 | 0.10 |  |
| png | nacl | elevation \* season | 7 | 85.13 | 11.22 | 0.00 | FALSE | 0.11 | NA | 7 | 75.79 | 82.76 | -30.90 | 61.79 | 8.52 | 5 | 0.13 |  |
| tanzania | amino\_acid | null | 2 | 38.04 | 0.00 | 0.85 | TRUE | 0.00 | NA | 2 | 36.33 | 36.94 | -16.17 | 32.33 | 0.00 | 0 | 1.00 |  |
| tanzania | amino\_acid | elevation | 4 | 43.99 | 5.94 | 0.04 | FALSE | 0.00 | NA | 4 | 35.99 | 37.20 | -13.99 | 27.99 | 4.34 | 2 | 0.11 |  |
| tanzania | amino\_acid | season | 3 | 42.31 | 4.26 | 0.10 | FALSE | 0.00 | NA | 3 | 38.31 | 39.22 | -16.15 | 32.31 | 0.02 | 1 | 0.88 |  |
| tanzania | amino\_acid | elevation + season | 5 | 52.78 | 14.74 | 0.00 | FALSE | 0.00 | NA | 5 | 37.78 | 39.30 | -13.89 | 27.78 | 4.55 | 3 | 0.21 |  |
| tanzania | amino\_acid | elevation \* season | 7 | 84.43 | 46.39 | 0.00 | FALSE | 0.00 | NA | 7 | 28.43 | 30.55 | -7.22 | 14.43 | 17.90 | 5 | 0.00 | \*\* |
| tanzania | cho | null | 2 | 28.41 | 0.00 | NA | TRUE | 0.00 | NA | 2 | 26.70 | 27.30 | -11.35 | 22.70 | 0.00 | 0 | 1.00 |  |
| tanzania | cho | elevation | 4 | 37.27 | 8.86 | NA | FALSE | 0.02 | NA | 4 | 29.27 | 30.48 | -10.64 | 21.27 | 1.42 | 2 | 0.49 |  |
| tanzania | cho | season | 3 | NA | NA | NA | NA | 0.04 | NA | 3 | NA | NA | NA | NA | NA | 1 | NA |  |
| tanzania | cho | elevation + season | 5 | NA | NA | NA | NA | 0.03 | NA | 5 | NA | NA | NA | NA | NA | 3 | NA |  |
| tanzania | cho | elevation \* season | 7 | NA | NA | NA | NA | 0.05 | NA | 7 | NA | NA | NA | NA | NA | 5 | NA |  |
| tanzania | cho\_amino\_acid | null | 2 | 33.60 | 0.00 | 0.87 | TRUE | 0.00 | NA | 2 | 31.89 | 32.49 | -13.94 | 27.89 | 0.00 | 0 | 1.00 |  |
| tanzania | cho\_amino\_acid | elevation | 4 | 43.87 | 10.27 | 0.01 | FALSE | 0.02 | NA | 4 | 35.87 | 37.08 | -13.94 | 27.87 | 0.01 | 2 | 0.99 |  |
| tanzania | cho\_amino\_acid | season | 3 | 37.53 | 3.93 | 0.12 | FALSE | 0.00 | NA | 3 | 33.53 | 34.44 | -13.77 | 27.53 | 0.35 | 1 | 0.55 |  |
| tanzania | cho\_amino\_acid | elevation + season | 5 | 52.50 | 18.90 | 0.00 | FALSE | 0.03 | NA | 5 | 37.50 | 39.01 | -13.75 | 27.50 | 0.39 | 3 | 0.94 |  |
| tanzania | cho\_amino\_acid | elevation \* season | 7 | 95.34 | 61.74 | 0.00 | FALSE | 0.29 | NA | 7 | 39.34 | 41.46 | -12.67 | 25.34 | 2.54 | 5 | 0.77 |  |
| tanzania | h2o | null | 2 | 35.79 | 0.00 | NA | TRUE | 0.00 | NA | 2 | 34.07 | 34.68 | -15.04 | 30.07 | 0.00 | 0 | 1.00 |  |
| tanzania | h2o | elevation | 4 | 36.96 | 1.17 | NA | FALSE | 0.17 | NA | 4 | 28.96 | 30.17 | -10.48 | 20.96 | 9.12 | 2 | 0.01 | \* |
| tanzania | h2o | season | 3 | 38.00 | 2.22 | NA | FALSE | 0.04 | NA | 3 | 34.00 | 34.91 | -14.00 | 28.00 | 2.07 | 1 | 0.15 |  |
| tanzania | h2o | elevation + season | 5 | NA | NA | NA | FALSE | 0.12 | NA | 5 | NA | NA | NA | NA | NA | 3 | NA |  |
| tanzania | h2o | elevation \* season | 7 | NA | NA | NA | FALSE | 0.03 | NA | 7 | NA | NA | NA | NA | NA | 5 | NA |  |
| tanzania | lipid | null | 2 | 36.09 | 0.00 | NA | TRUE | 0.00 | NA | 2 | 34.37 | 34.98 | -15.19 | 30.37 | 0.00 | 0 | 1.00 |  |
| tanzania | lipid | elevation | 4 | NA | NA | NA | NA | 0.08 | NA | 4 | NA | NA | NA | NA | NA | 2 | NA |  |
| tanzania | lipid | season | 3 | 39.96 | 3.87 | NA | FALSE | 0.04 | NA | 3 | 35.96 | 36.86 | -14.98 | 29.96 | 0.42 | 1 | 0.52 |  |
| tanzania | lipid | elevation + season | 5 | NA | NA | NA | NA | 0.06 | NA | 5 | NA | NA | NA | NA | NA | 3 | NA |  |
| tanzania | lipid | elevation \* season | 7 | 90.10 | 54.02 | NA | FALSE | 0.10 | NA | 7 | 34.10 | 36.22 | -10.05 | 20.10 | 10.27 | 5 | 0.07 |  |
| tanzania | nacl | null | 2 | NA | NA | NA | NA | 0.00 | NA | 2 | NA | NA | NA | NA | NA | 0 | NA |  |
| tanzania | nacl | elevation | 4 | NA | NA | NA | NA | 0.09 | NA | 4 | NA | NA | NA | NA | NA | 2 | NA |  |
| tanzania | nacl | season | 3 | NA | NA | NA | NA | 0.04 | NA | 3 | NA | NA | NA | NA | NA | 1 | NA |  |
| tanzania | nacl | elevation + season | 5 | NA | NA | NA | NA | 0.11 | NA | 5 | NA | NA | NA | NA | NA | 3 | NA |  |
| tanzania | nacl | elevation \* season | 7 | 89.43 | 0.00 | NA | TRUE | 0.05 | NA | 7 | 33.43 | 35.55 | -9.72 | 19.43 | NA | 5 | NA |  |