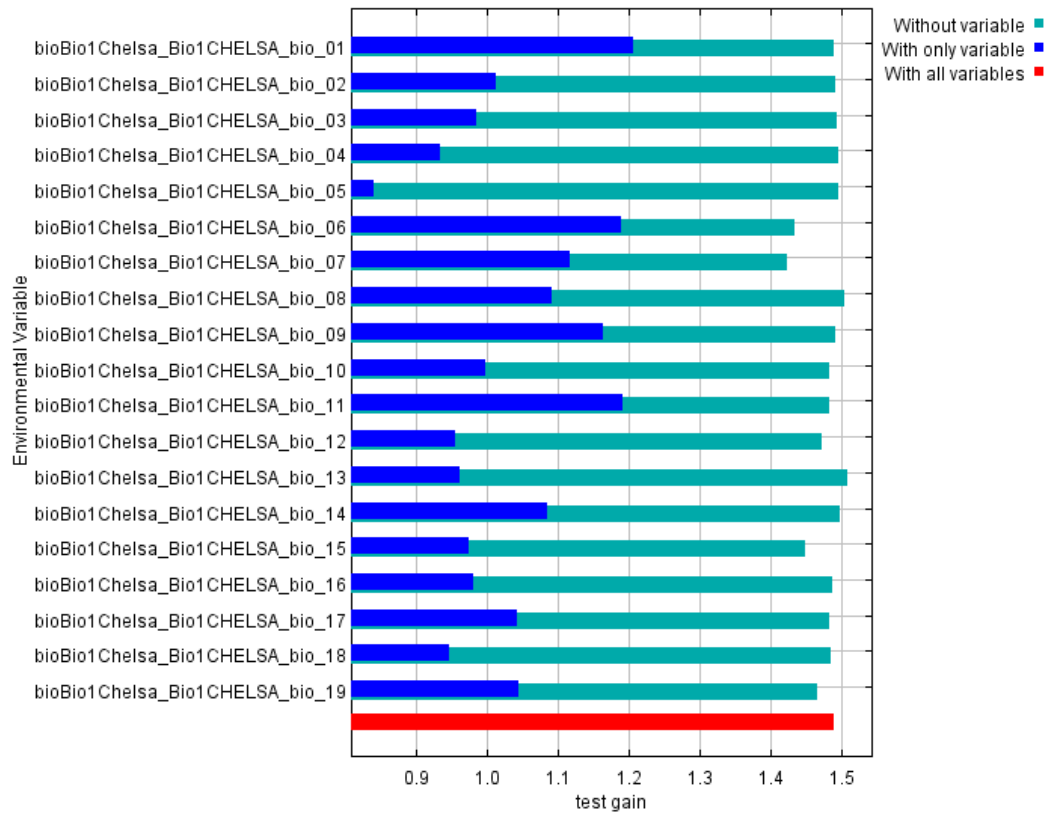# Jackknife of test gain for *G. pelleranoi* using DS1
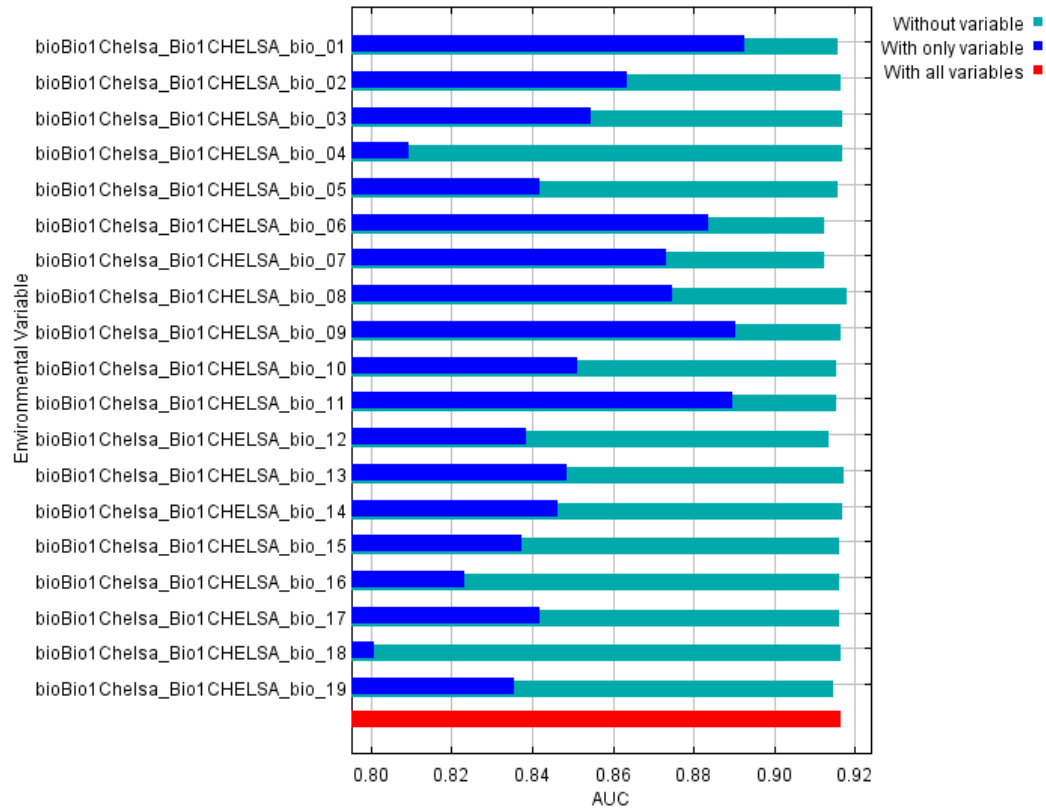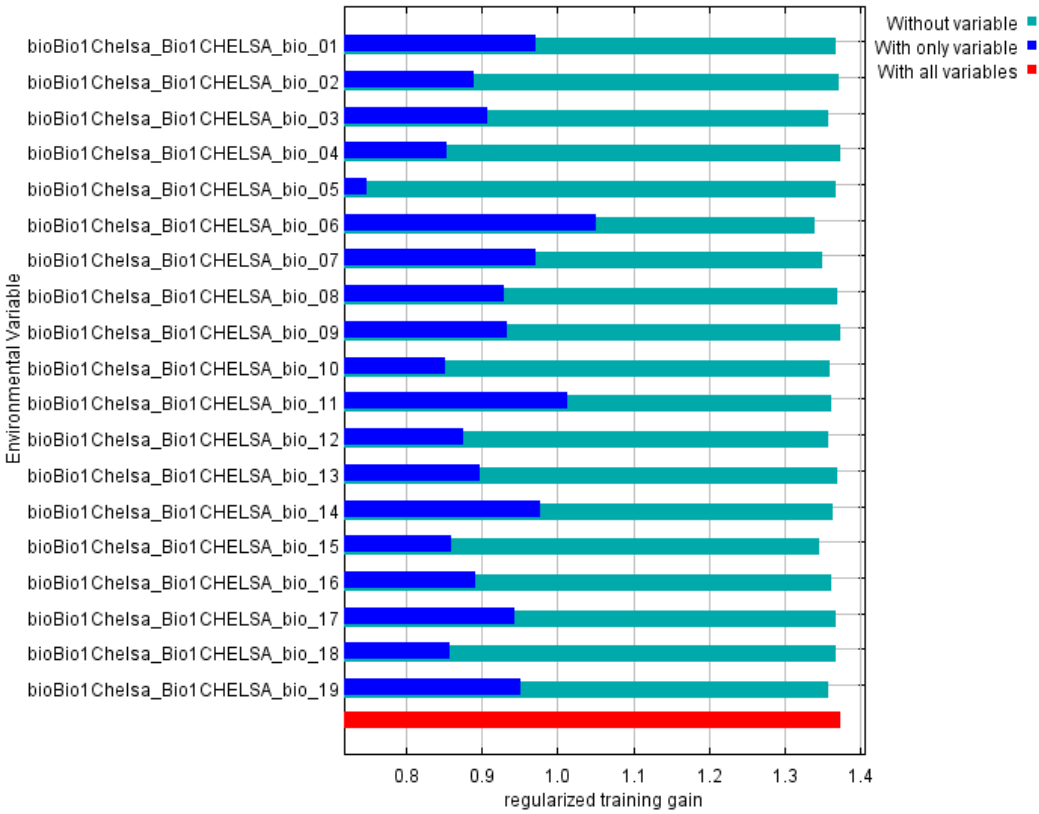

Jackknife of AUC for *G. pelleranoi* using DS1

Jackknife of regularized training gain for *G. pelleranoi* using DS1
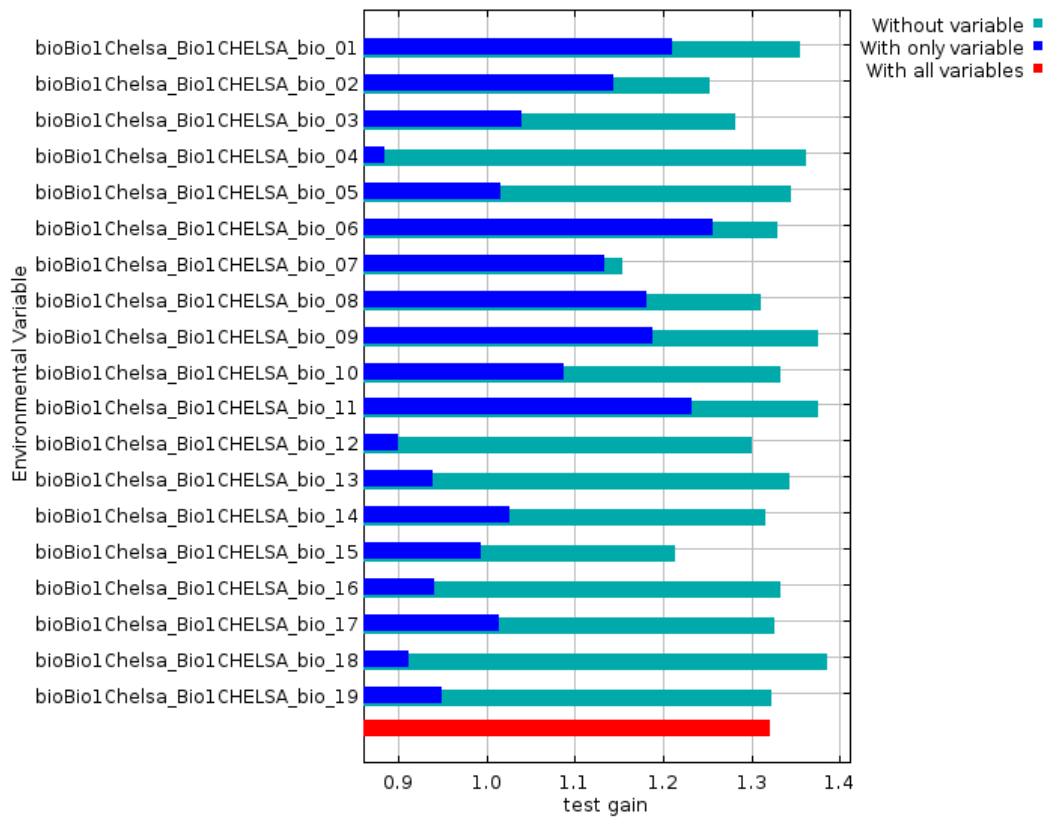
Jackknife of test gain for *G. pelleranoi* using DS2

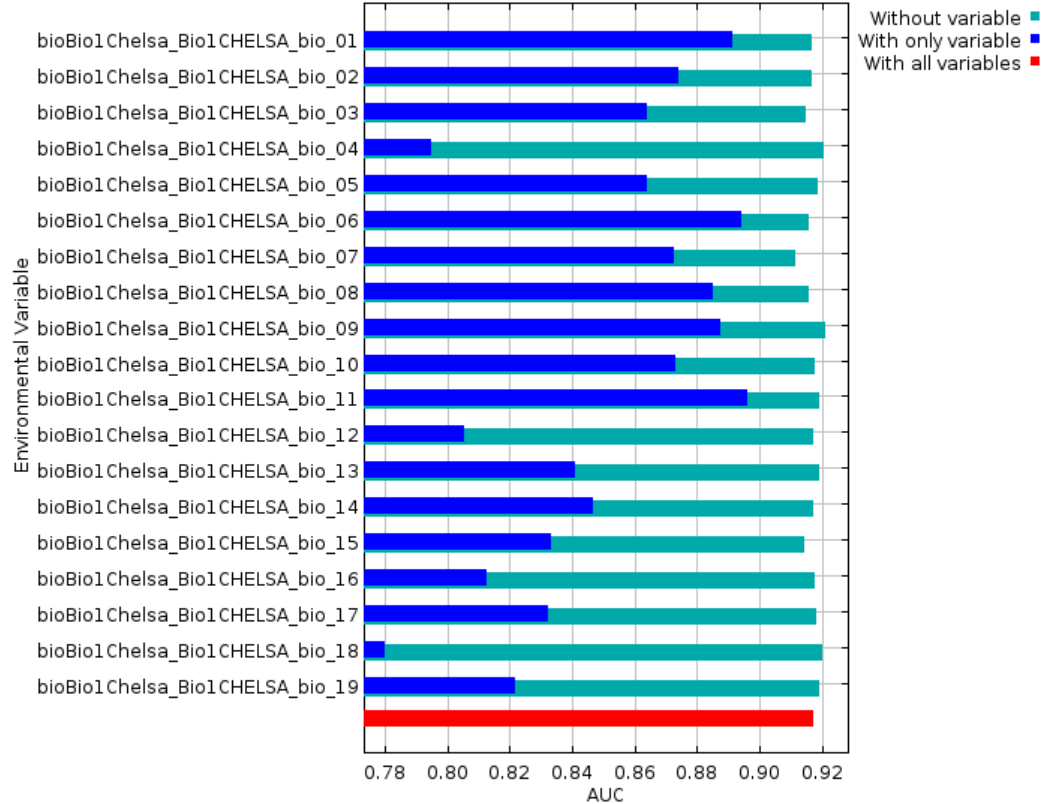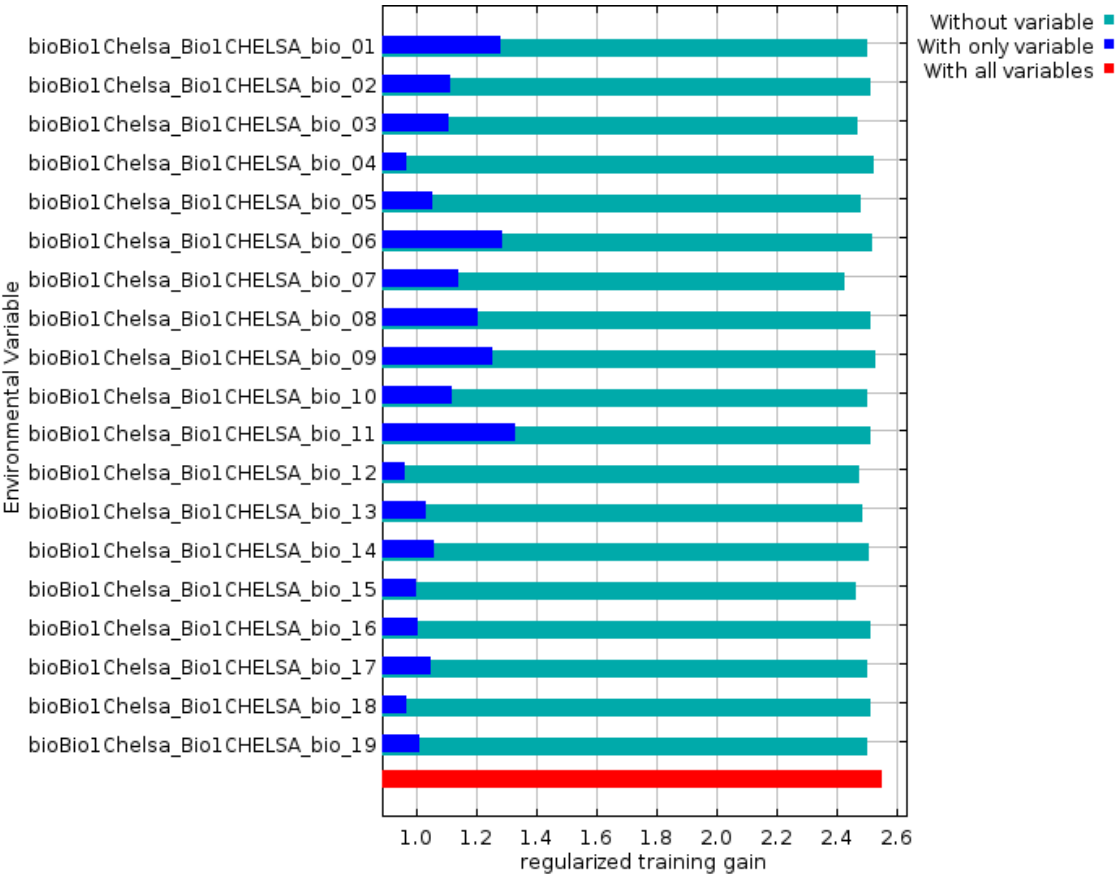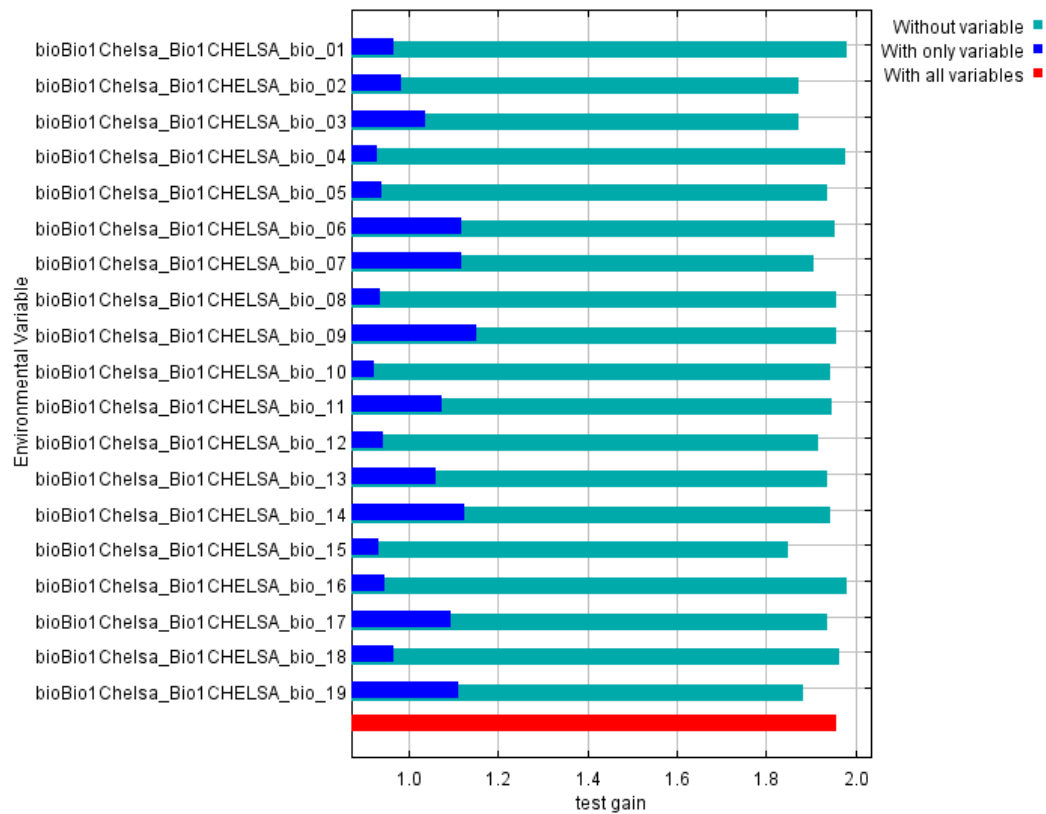**Jackknife of AUC for *G. pelleranoi* using DS2**
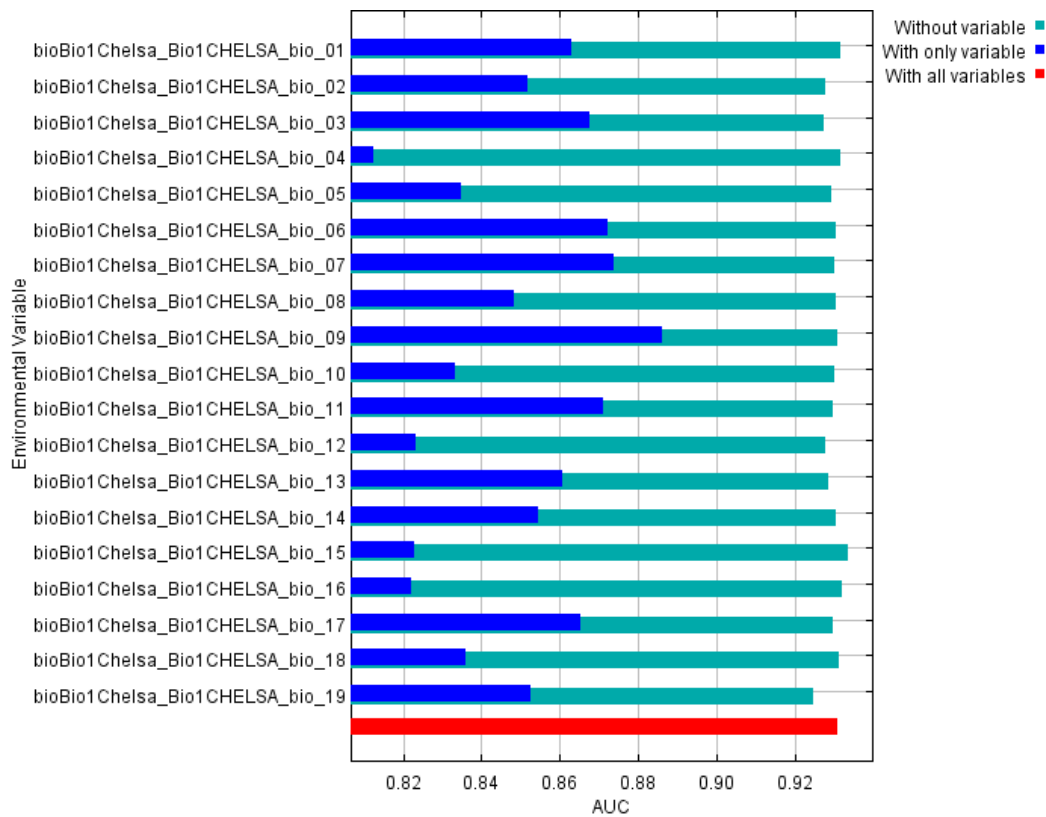
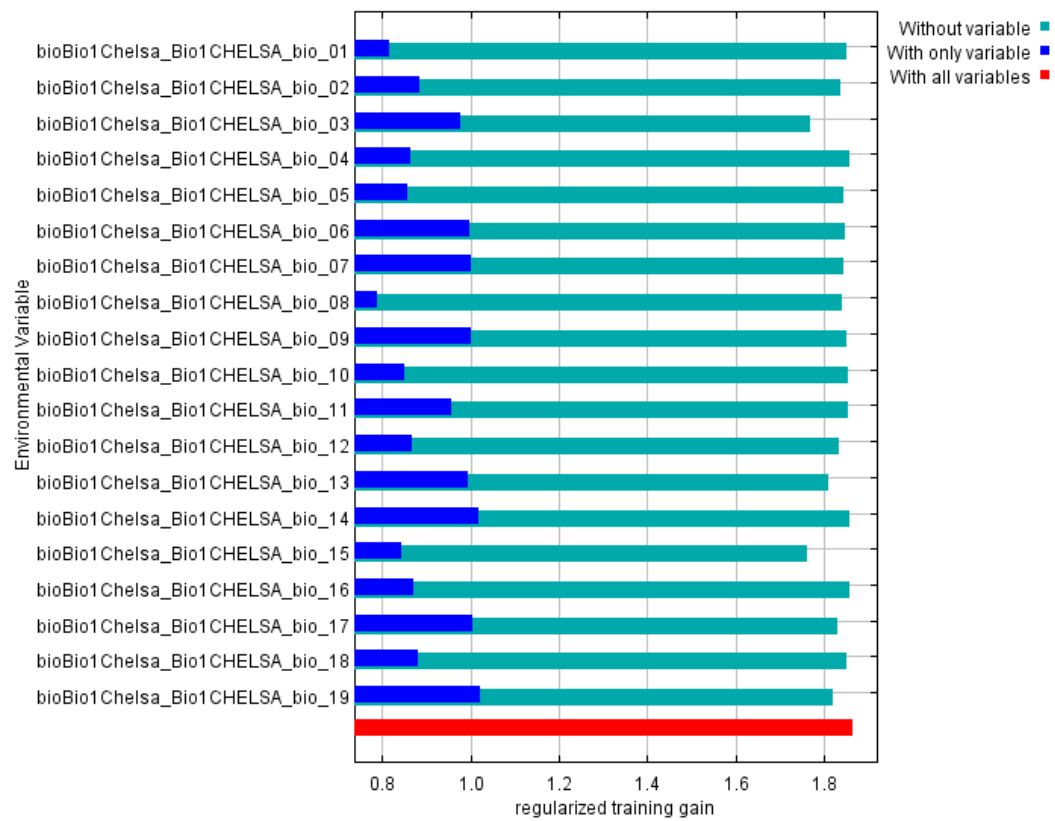**Jackknife of regularized training gain for *G. pelleranoi* using DS2**

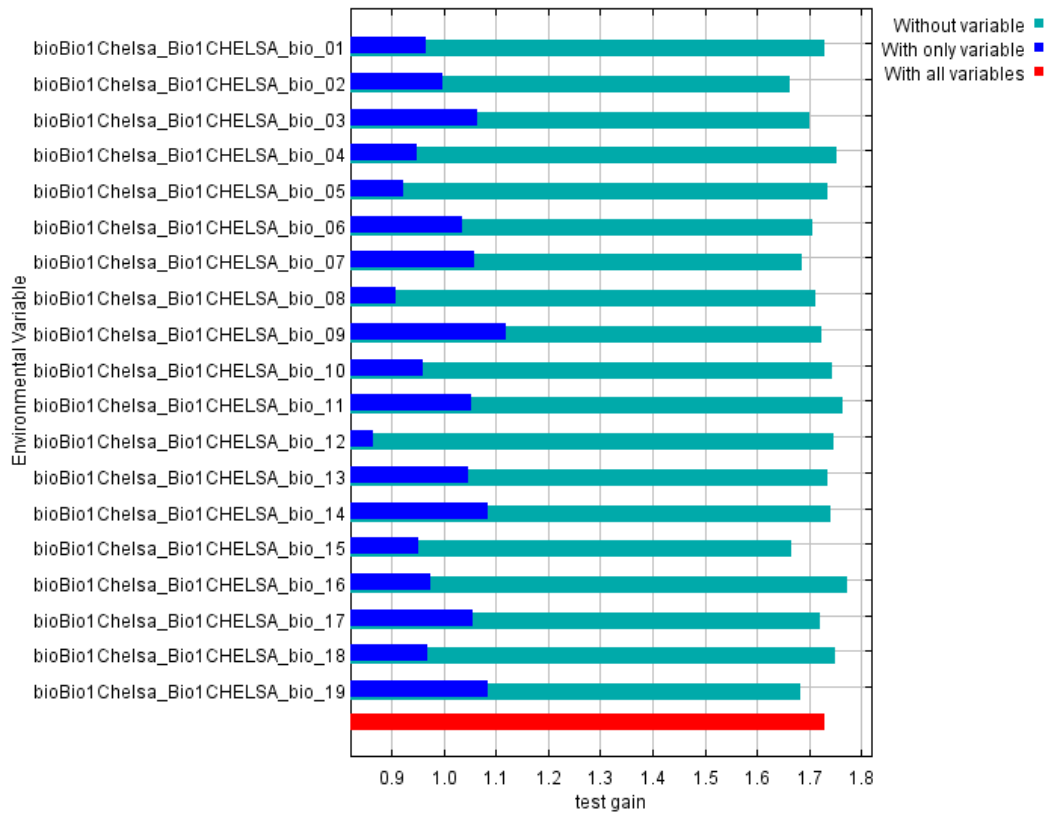## Jackknife of test gain for *D. areolatus* using DS1
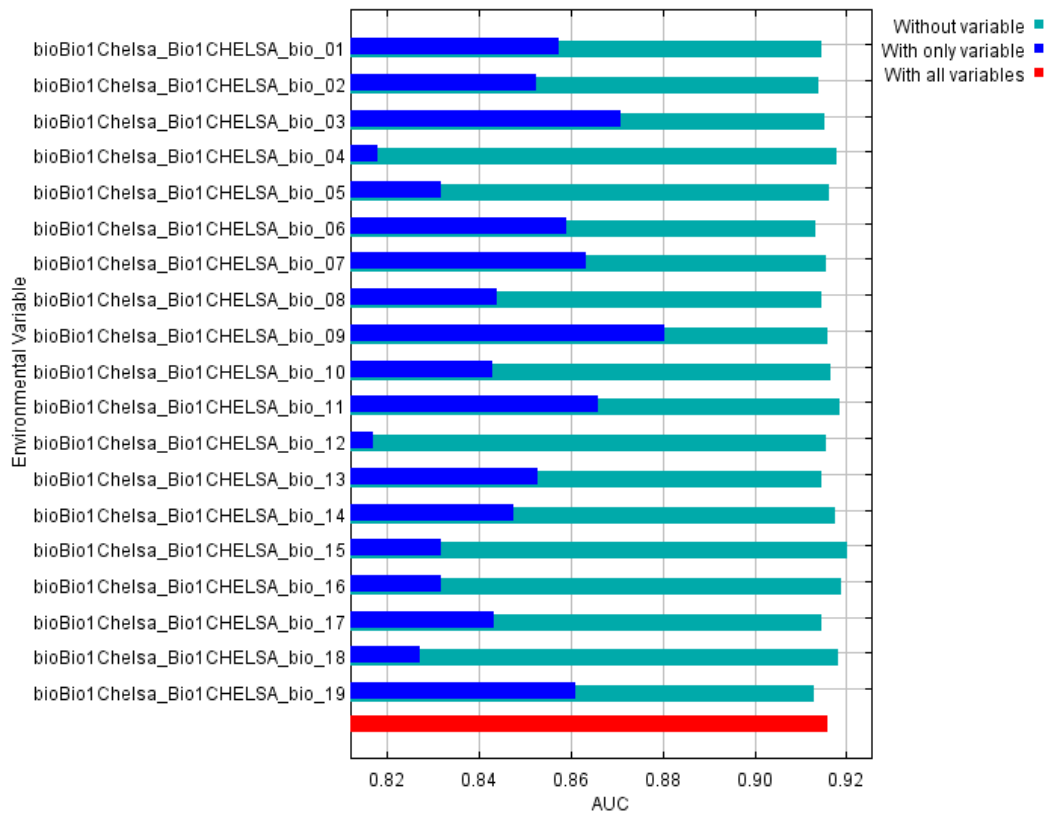

Jackknife of AUC for *D. areolatus* using DS1

Jackknife of regularized training gain for *D. areolatus* using DS1

Jackknife of test gain for *D. areolatus* using DS2

Legend: Without variable (teal), With only variable (blue), With all variables (red)

Environmental Variable (y-axis, top to bottom):
- bioBio1Chelsa_Bio1CHELSA_bio_01
- bioBio1Chelsa_Bio1CHELSA_bio_02
- bioBio1Chelsa_Bio1CHELSA_bio_03
- bioBio1Chelsa_Bio1CHELSA_bio_04
- bioBio1Chelsa_Bio1CHELSA_bio_05
- bioBio1Chelsa_Bio1CHELSA_bio_06
- bioBio1Chelsa_Bio1CHELSA_bio_07
- bioBio1Chelsa_Bio1CHELSA_bio_08
- bioBio1Chelsa_Bio1CHELSA_bio_09
- bioBio1Chelsa_Bio1CHELSA_bio_10
- bioBio1Chelsa_Bio1CHELSA_bio_11
- bioBio1Chelsa_Bio1CHELSA_bio_12
- bioBio1Chelsa_Bio1CHELSA_bio_13
- bioBio1Chelsa_Bio1CHELSA_bio_14
- bioBio1Chelsa_Bio1CHELSA_bio_15
- bioBio1Chelsa_Bio1CHELSA_bio_16
- bioBio1Chelsa_Bio1CHELSA_bio_17
- bioBio1Chelsa_Bio1CHELSA_bio_18
- bioBio1Chelsa_Bio1CHELSA_bio_19

x-axis: test gain — 0.9, 1.0, 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 1.8

Jackknife of AUC for *D. areolatus* using DS2

Legend: Without variable (teal), With only variable (blue), With all variables (red)

Environmental Variable (y-axis, top to bottom):
- bioBio1Chelsa_Bio1CHELSA_bio_01
- bioBio1Chelsa_Bio1CHELSA_bio_02
- bioBio1Chelsa_Bio1CHELSA_bio_03
- bioBio1Chelsa_Bio1CHELSA_bio_04
- bioBio1Chelsa_Bio1CHELSA_bio_05
- bioBio1Chelsa_Bio1CHELSA_bio_06
- bioBio1Chelsa_Bio1CHELSA_bio_07
- bioBio1Chelsa_Bio1CHELSA_bio_08
- bioBio1Chelsa_Bio1CHELSA_bio_09
- bioBio1Chelsa_Bio1CHELSA_bio_10
- bioBio1Chelsa_Bio1CHELSA_bio_11
- bioBio1Chelsa_Bio1CHELSA_bio_12
- bioBio1Chelsa_Bio1CHELSA_bio_13
- bioBio1Chelsa_Bio1CHELSA_bio_14
- bioBio1Chelsa_Bio1CHELSA_bio_15
- bioBio1Chelsa_Bio1CHELSA_bio_16
- bioBio1Chelsa_Bio1CHELSA_bio_17
- bioBio1Chelsa_Bio1CHELSA_bio_18
- bioBio1Chelsa_Bio1CHELSA_bio_19

x-axis: AUC — 0.82, 0.84, 0.86, 0.88, 0.90, 0.92

Jackknife of regularized training gain for *D. areolatus* using DS2

Jackknife of regularized training gain for D_areolatus