

Figure S1: Pseudo log-likelihood values of each network for models with different maximum reticulations (h). The drop between $h = 0$ and $h = 1$ is relatively large, but it represents a small change in pseudo log-likelihood value in absolute terms.

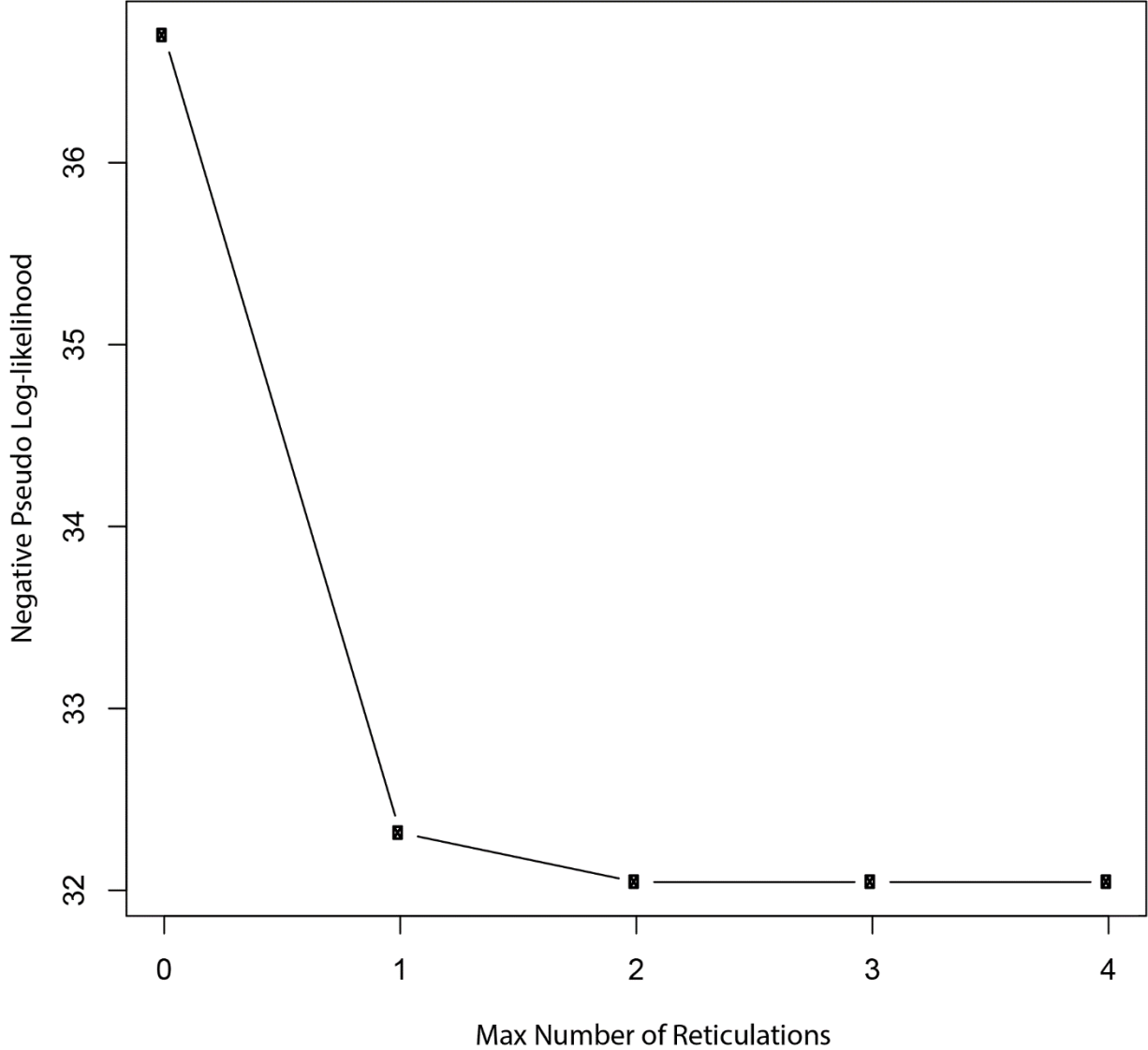


Figure S2: Observed versus expected CF

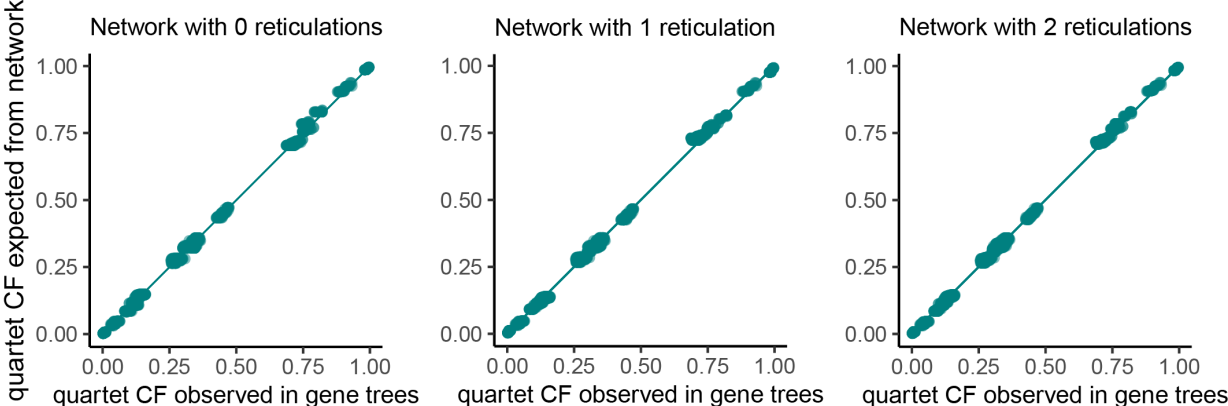


Figure S3: SNAQ network with one reticulation. Numbers along branches are gamma values for the reticulation event.

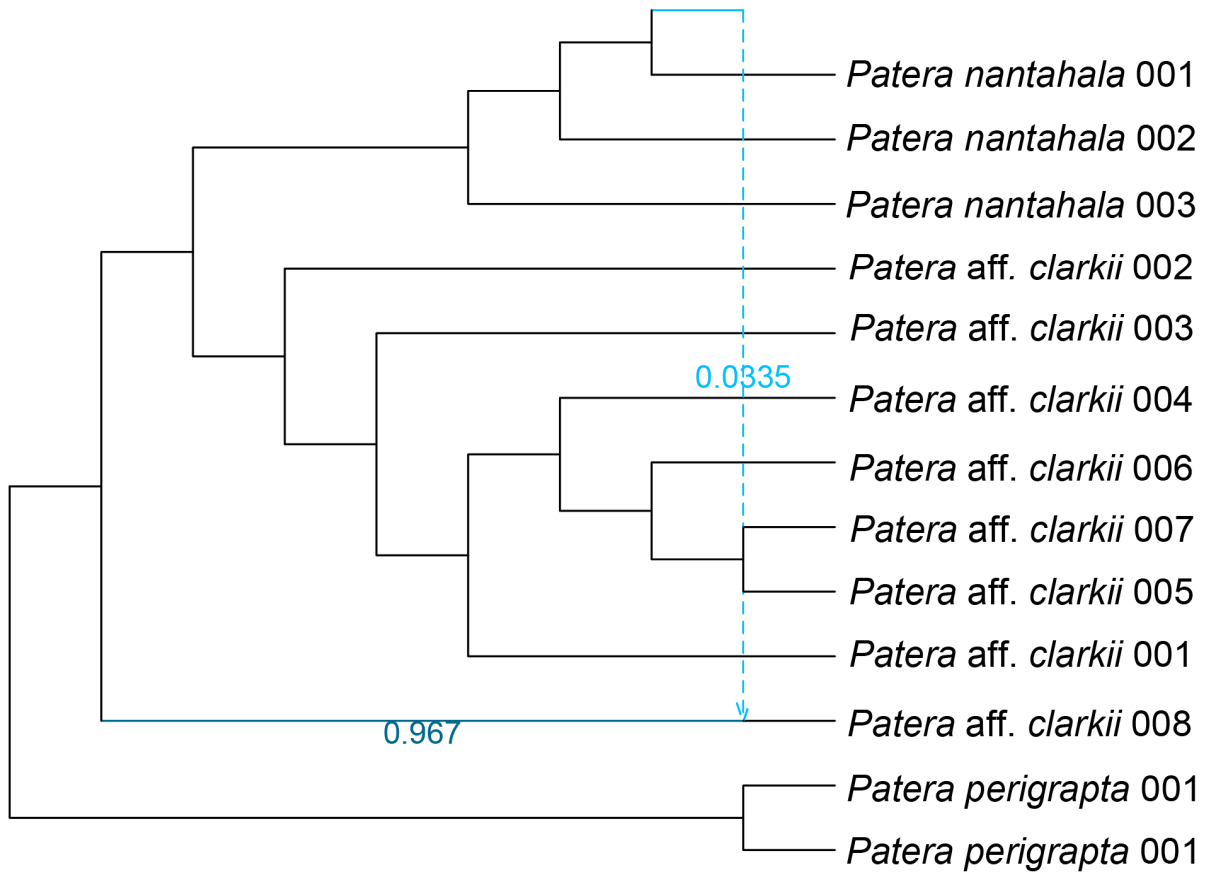


Figure S4: Variable importance plot for *P. clarkii* GLM niche model using biotic, geological, and geographic variables.

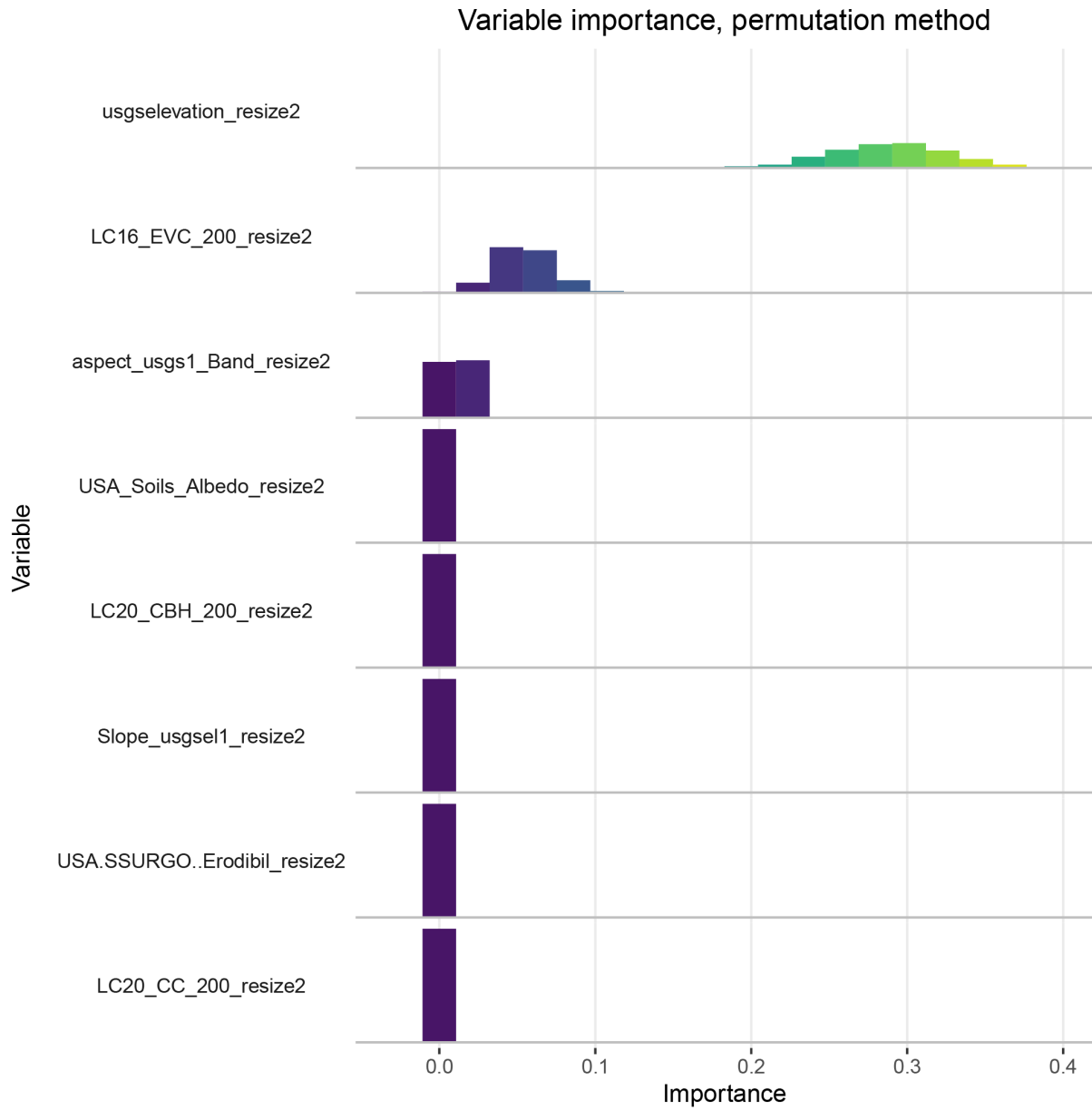


Figure S5: Variable importance plot for *P. clarkii* GLM niche model using only bioclimatic variables.

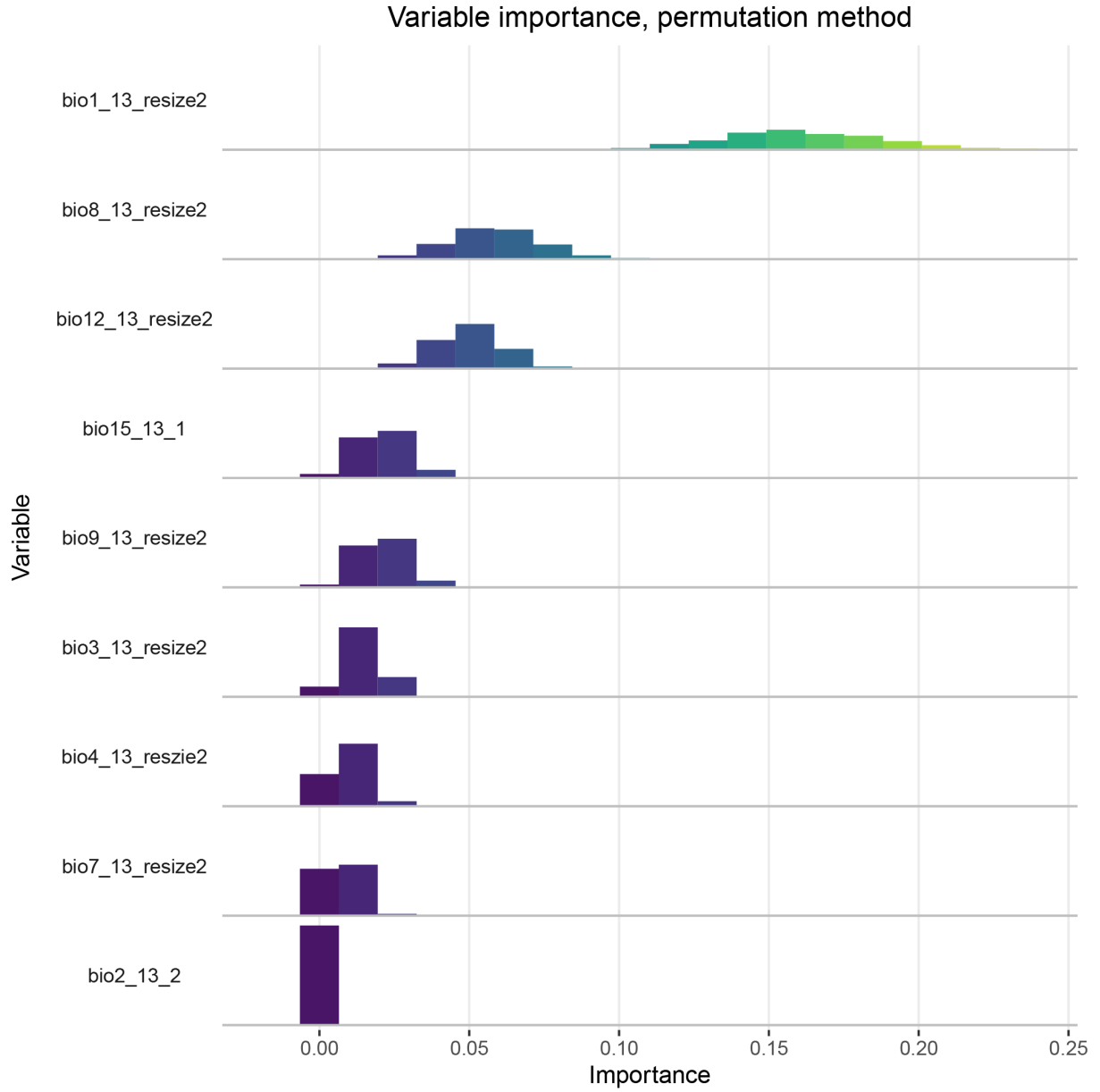


Figure S6: Variable importance plot for *P. clarkii* GLM niche model using all variables.

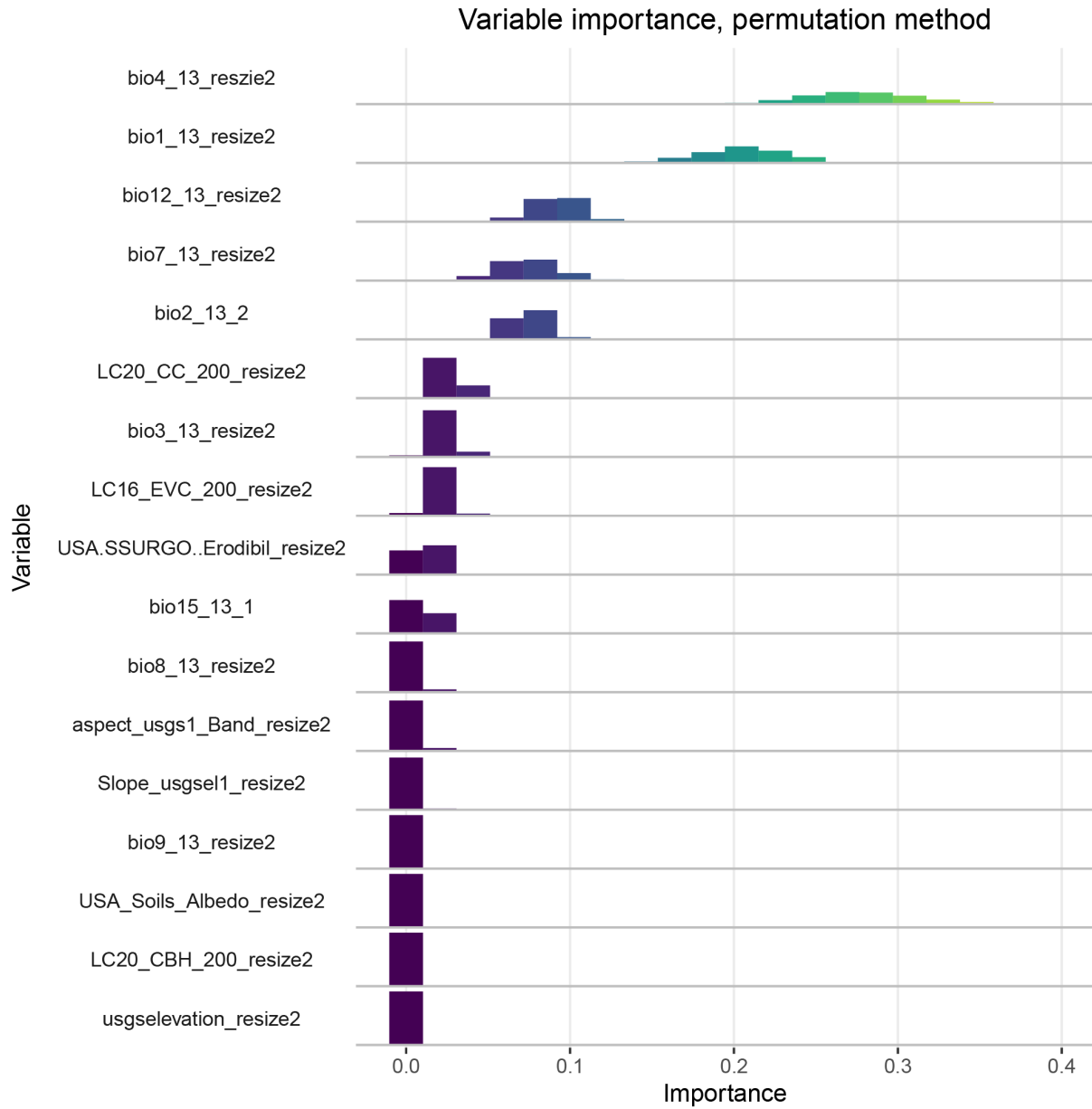


Figure S7: Variable importance plot for *P. nantahala* GLM niche model using biotic, geological, and geographic variables.

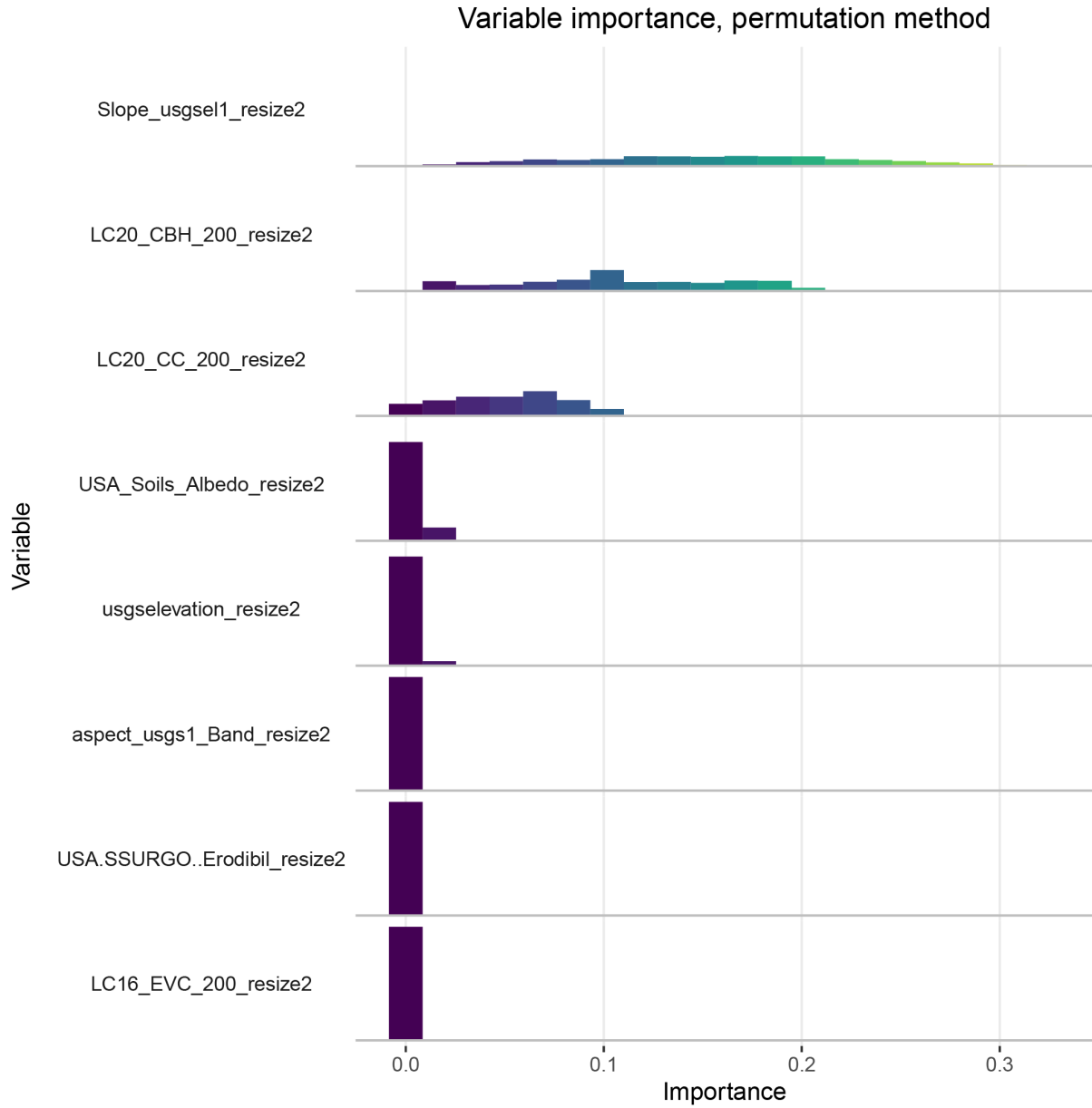


Figure S8: Variable importance plot for *P. nantahala* GLM niche model using only bioclimatic variables.

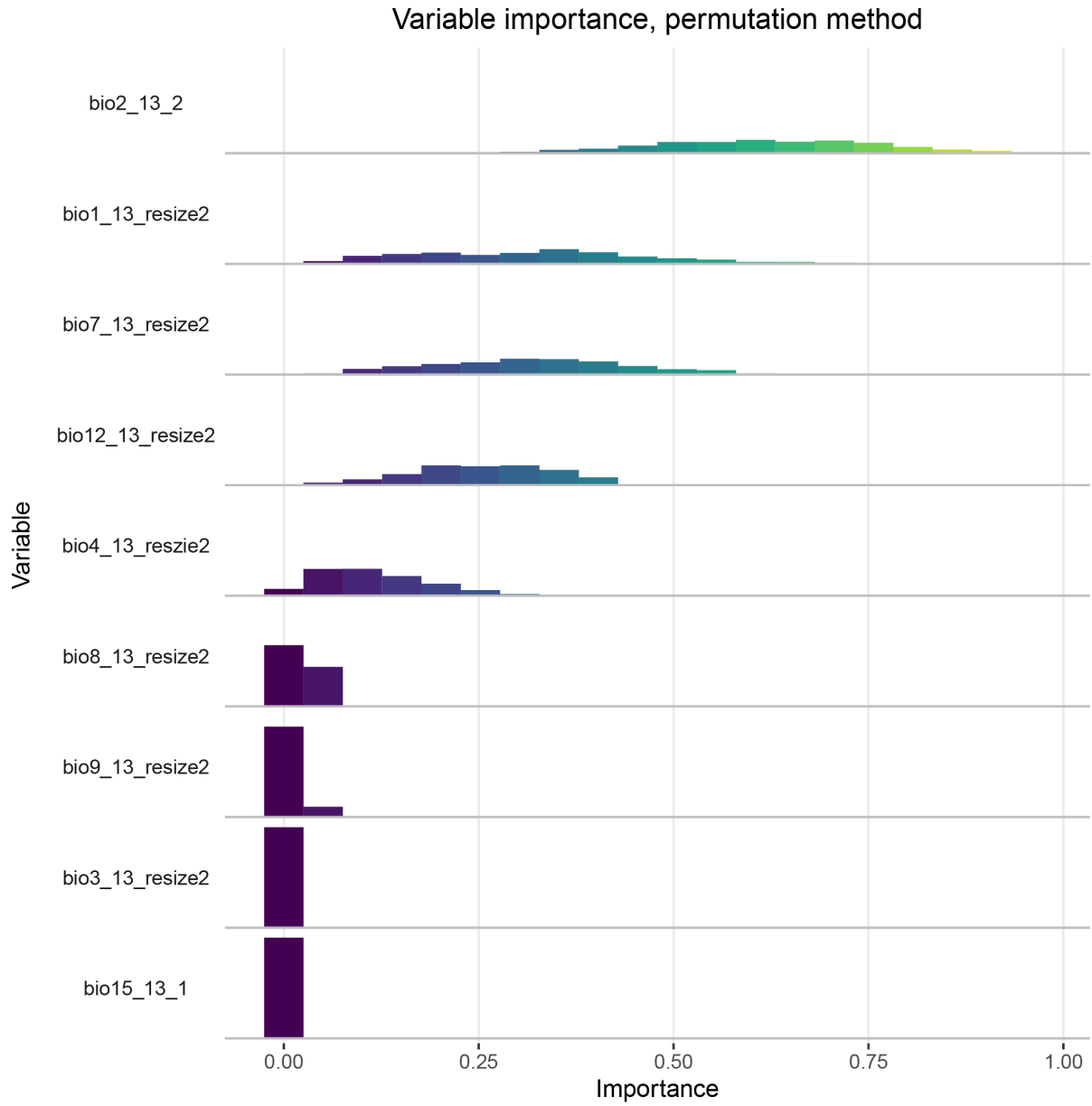


Figure S9: Variable importance plot for *P. nantahala* GLM niche model using all variables.

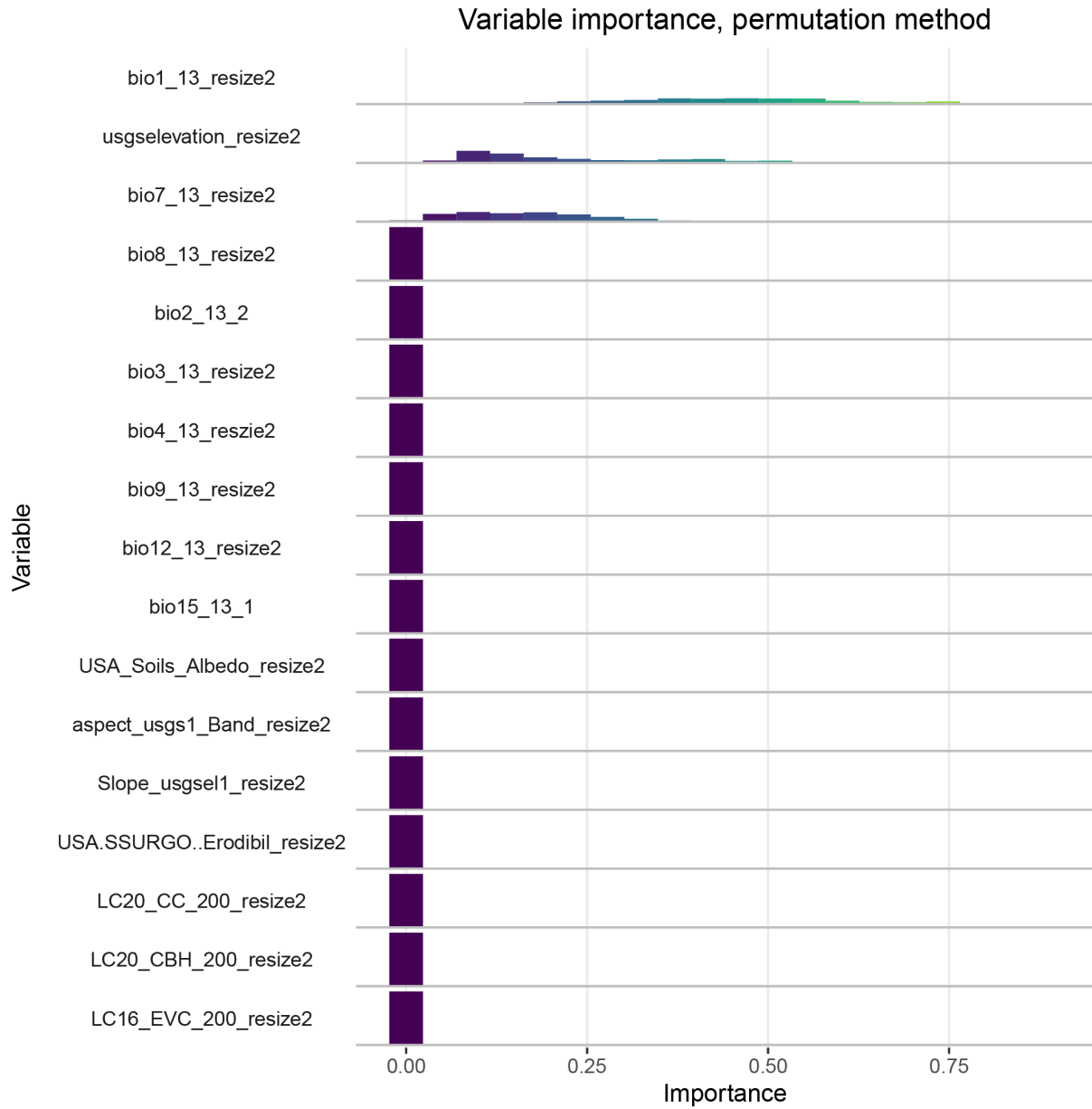


Figure S10: Variable importance plot for *P. clarkii* Maxent niche model using biotic, geological, and geographic variables.

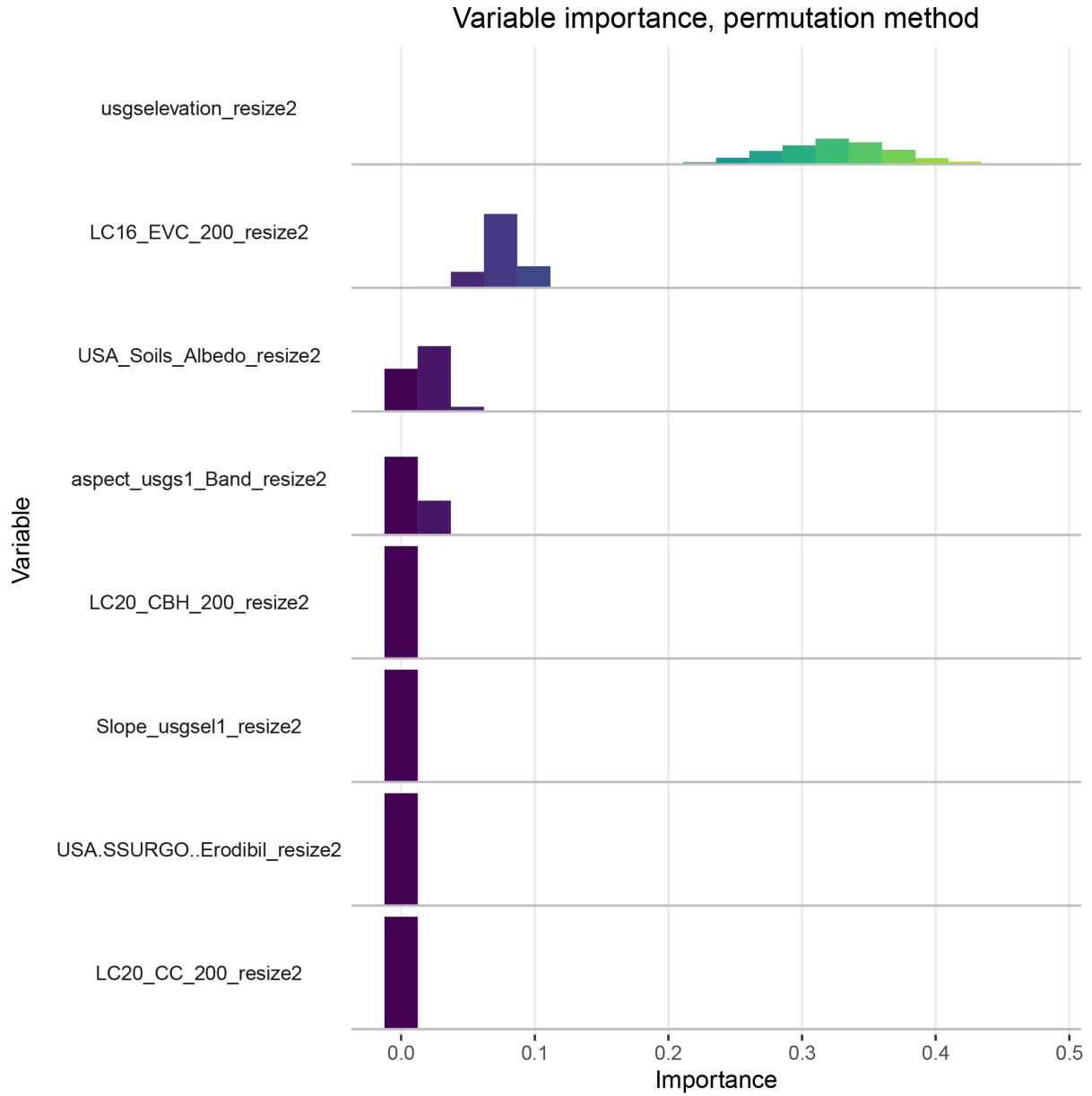


Figure S11: Variable importance plot for *P. clarkii* Maxent niche model using only bioclimatic variables.

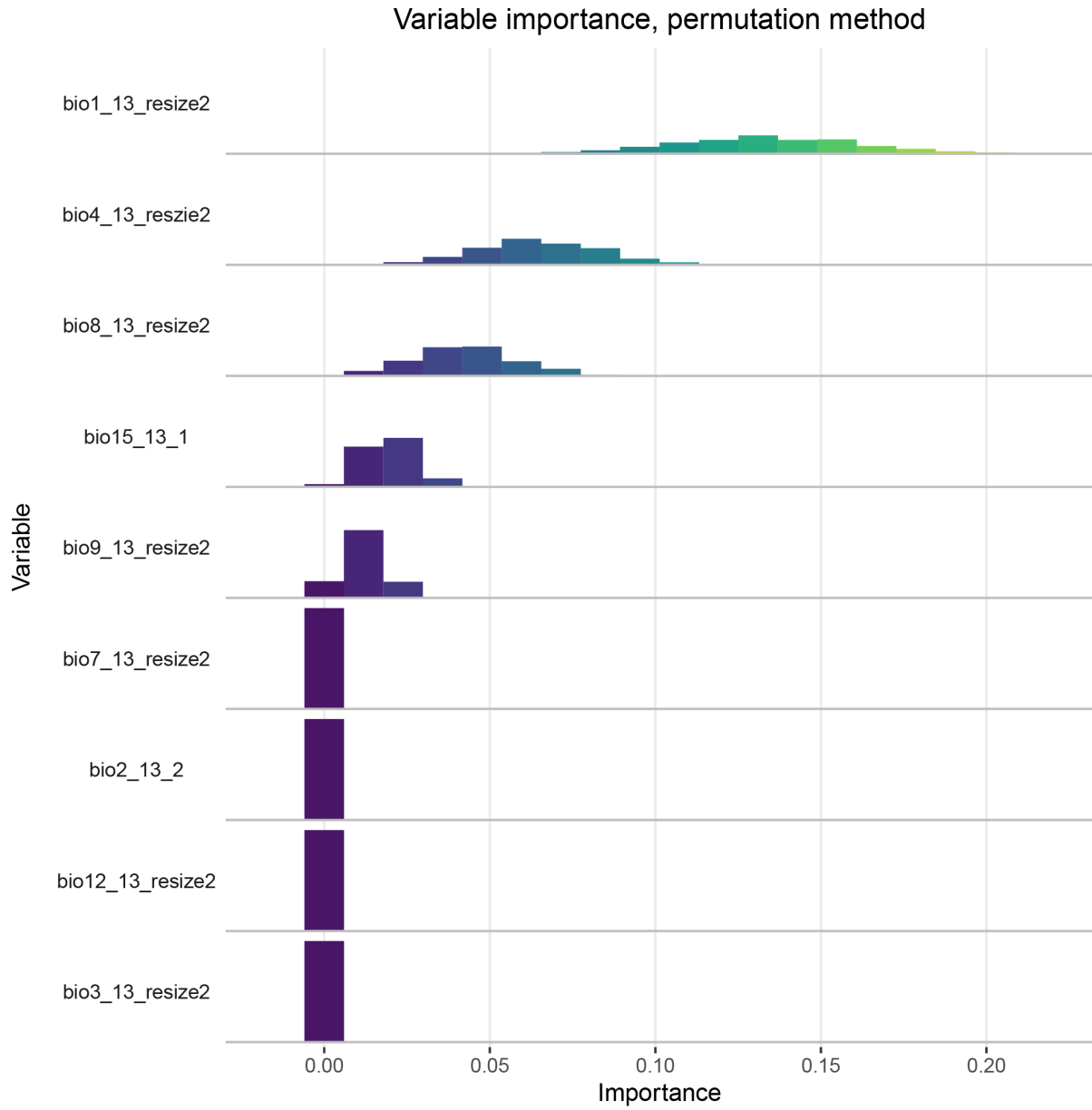


Figure S12: Variable importance plot for *P. clarkii* Maxent niche model using all variables.

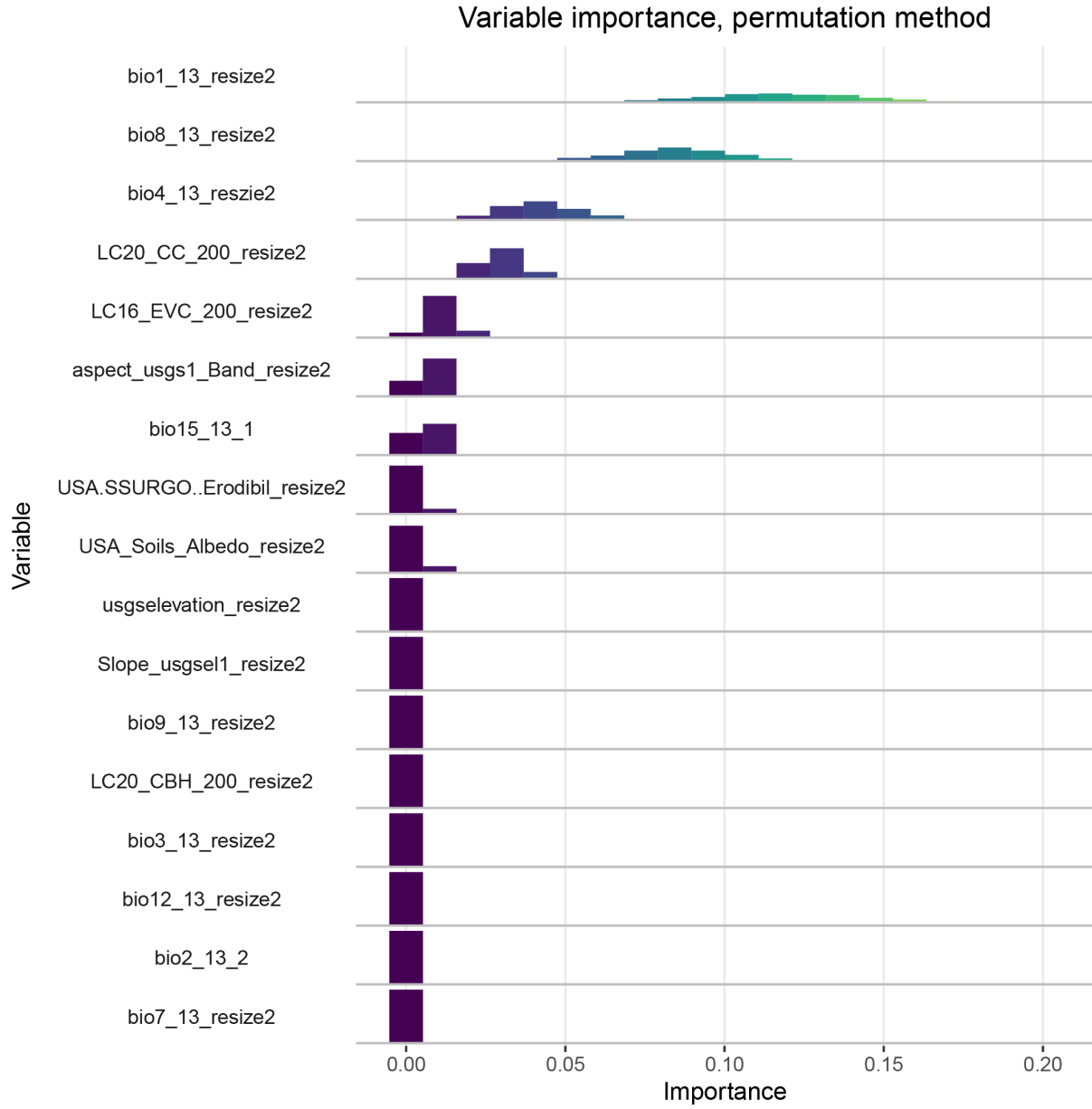


Figure S13: Variable importance plot for *P. nantahala* Maxent niche model using biotic, geological, and geographic variables.

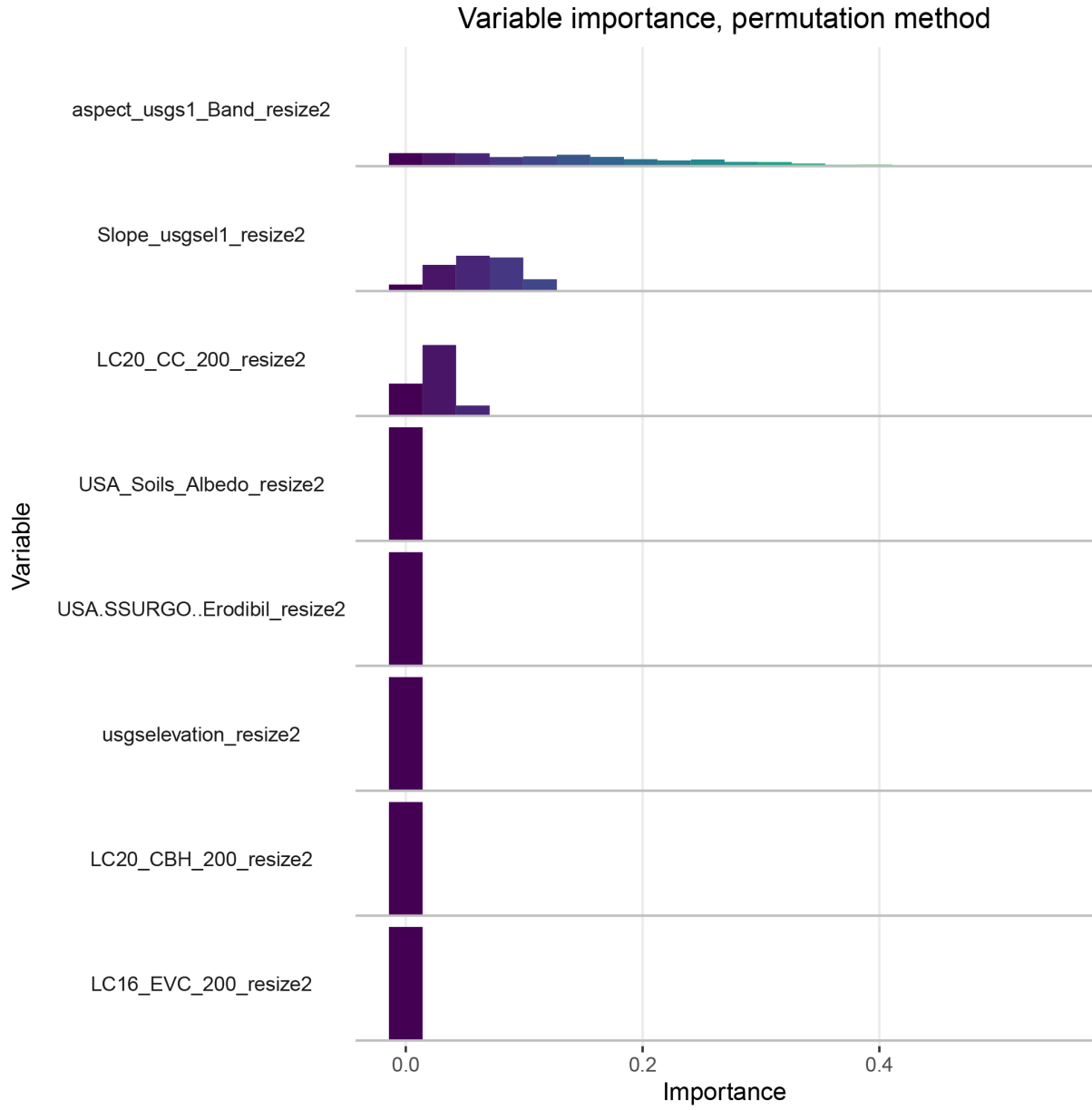


Figure S14: Variable importance plot for *P. nantahala* Maxent niche model using only bioclimatic variables.

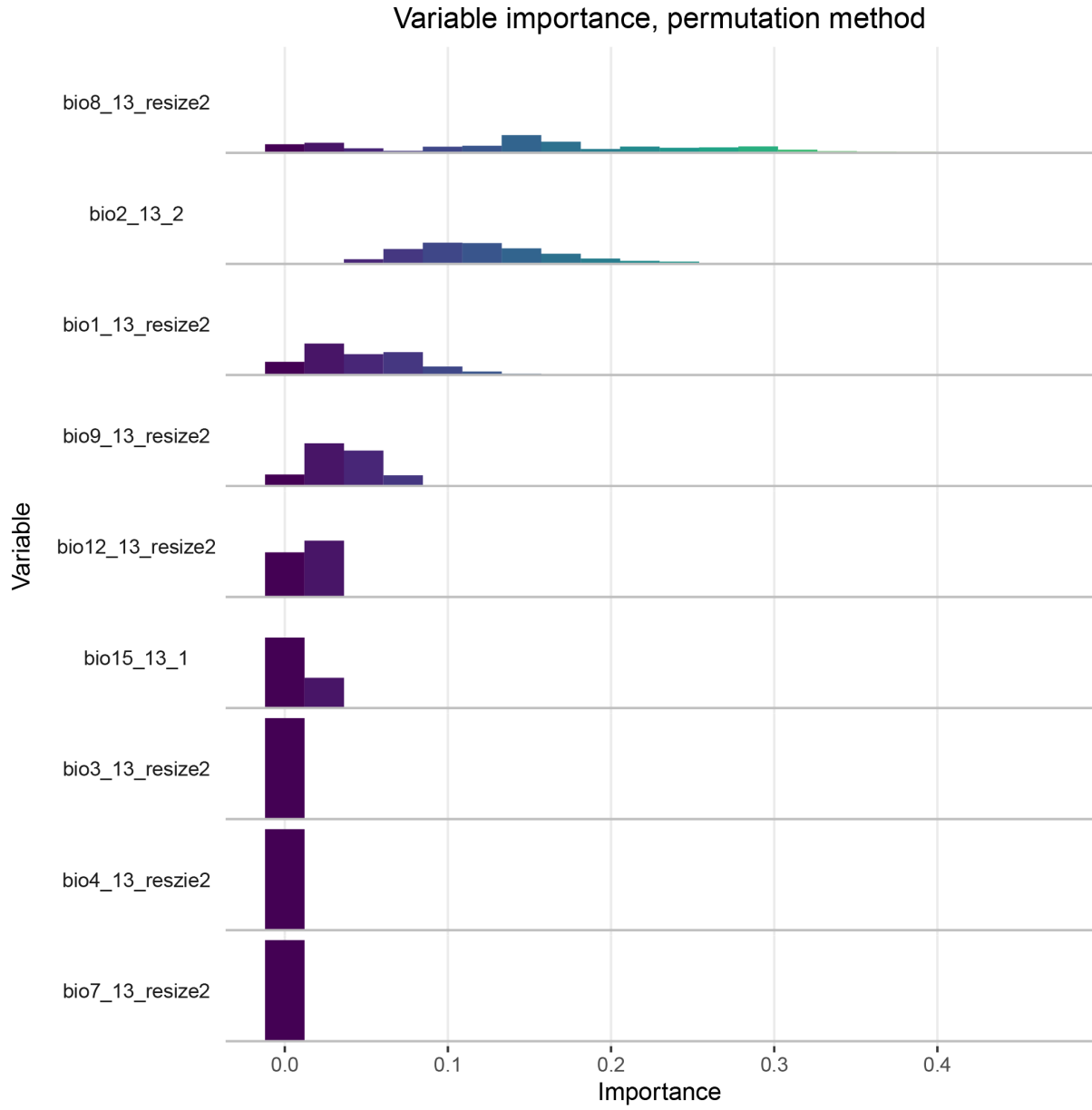


Figure S15: Variable importance plot for *P. nantahala* Maxent niche model using all variables.

