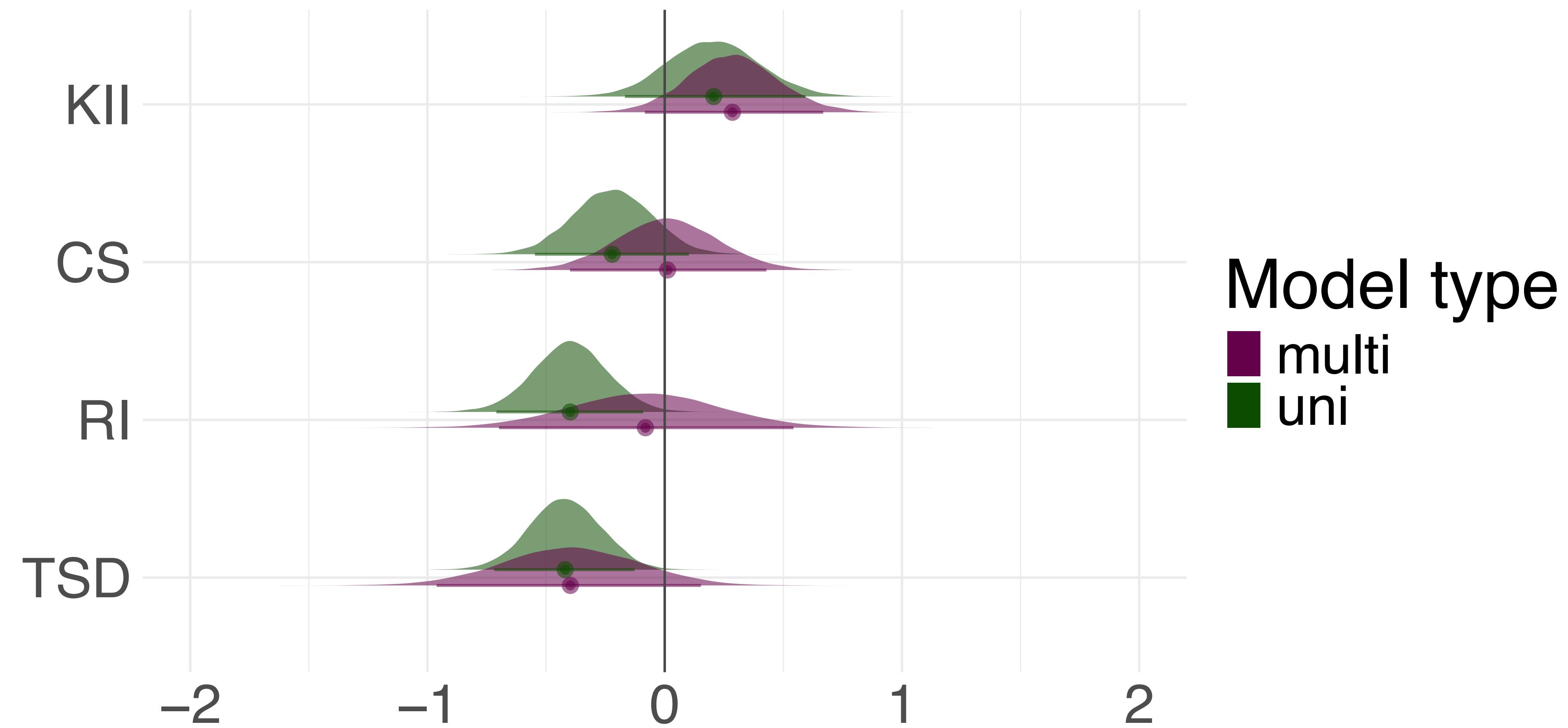


Hypothesis tests

Predictors of 3PP Kin



Preregistered Predictions of Punishment Types by Socioecological Predictors

Predictor	2PP	3PP	3PP-General	3PP-Partner	3PP-Kin
Resource Intensification (RI)	↓✓ (uni)	↑✗	↑✗	↑✗	—
Technological & Social Differentiation (TSD)	↓✓ (uni)	↑✗	↑✓ (uni)	↑✗	—
Kinship Intensity Index (KII)	↑✗	↓✗	—	—	↑✓ (multi)
Community Size	↓✓ (uni)	↑✗	↑✗	↑✗	—

Legend:

↑ = Positive prediction
 ↓ = Negative prediction
 — = Unspecified

✓ = Supported (90% PDI != 0)
 ✓ = Moderately supported (80% PDI != 0)
 ✗ = Not supported