



**c**

| Region                             | Spearman $\rho$ | $P$ -value |
|------------------------------------|-----------------|------------|
| South Atlantic subtropical front   | -0.91           | $P < .001$ |
| NW African Central Atlantic margin | -0.75           | $P < .001$ |
| Red Sea                            | -0.74           | $P < .001$ |
| Brazilian-Patagonian Shelves       | -0.73           | $P < .001$ |
| Mediterranean                      | -0.57           | $P < .001$ |
| NZ-SW Pacific                      | -0.41           | $P < .1$   |
| South China Sea                    | -0.39           | $P < .001$ |
| NE Atlantic-Arctic front           | -0.34           | $P < .05$  |
| Western North Pacific              | -0.33           | $P < .1$   |
| Arabian Sea                        | -0.28           | $P < .1$   |