



**b**

Region	$\rho$	$P$ -value
South Atlantic subtropical front	-0.91	$P < .001$
Northwestern African margin	-0.75	$P < .001$
Red Sea	-0.74	$P < .001$
Brazilian-Patagonian continental 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	$P < .1$