

**S6 Table. Average percentage of species' ranges captured in equal-area alternative PAs scenarios using species have AUC scores  $\geq 0.5$ . We ran Marxan using range conservation targets for species with AUC scores  $\geq 0.5$ .**

Scenario	Species range conservation target	Boundary length modifier	% of PAs to total land area	Mean % of all species' ranges inside	Mean % of endangered species' ranges inside	Mean % of endemic species' ranges inside	Mean % of biological resource species' ranges inside
Equal-area alternative	10% of all species	0	6.1	6.0	5.9	6.0	6.0
		0.0007	5.2	4.5	5.0	4.5	4.5
Equal-area alternative	50% for endangered 30% for endemic and bio resource 10% of remaining	0	5.7	5.7	5.9	5.8	5.8
		0.0007	5.9	5.3	8.0	5.9	5.7