

(a) Costa Rica

Month (2015-2016)	Collected/sighted <i>A. iphichus</i>	Collected/sighted <i>A. serpa</i>	Trapped <i>A. iphichus</i>	Trapped <i>A. serpa</i>	Total <i>A. iphichus</i>	Total <i>A. serpa</i>
March	0	5	0	0	0	5
April	0	0	0	0	0	0
May	2	1	4	0	6	1
June	12	2	2	0	14	2
July	3	1	4	0	7	1
August	0	1	0	0	0	1
September	0	0	2	0	2	0
October	0	0	0	0	0	0
November	0	0	0	0	0	0
December	0	0	0	0	0	0
January	1	6	0	0	1	6
February	0	3	0	0	0	3
March	0	3	0	0	0	3
April	0	0	0	0	0	0
May	0	0	0	0	0	0
June	0	0	1	0	1	0
July	0	0	2	0	2	0
August	0	0	3	0	3	0
<b>Total</b>	<b>18</b>	<b>22</b>	<b>18</b>	<b>0</b>	<b>36</b>	<b>22</b>

(NS)

(b) Ecuador

Month (2015-2017)	Collected/sighted <i>A. iphichlus</i>	Collected/sighted <i>A. serpa</i>	Trapped <i>A. iphichlus</i>	Trapped <i>A. serpa</i>	Total <i>A. iphichlus</i>	Total <i>A. serpa</i>
July	1	0	1	0	2	0
August	7	0	0	0	7	0
September	1	0	2	0	3	0
October	6	0	1	0	7	0
November	-	-	0	0	0	0
December	-	-	2	0	2	0
January	-	-	3	0	3	0
February	-	-	0	0	0	0
March	-	-	0	0	0	0
April	-	-	0	0	0	0
May	-	-	1	0	1	0
June	-	-	3	0	3	0
July	-	-	7	0	7	0
August	-	-	4	0	4	0
September	-	-	6	1	6	1
October	-	-	9	0	9	0
November	-	-	19	0	19	0
December	-	-	5	0	5	0
January	-	-	0	0	0	0
February	-	-	5	0	5	0
March	-	-	1	0	1	0
April	-	-	0	0	0	0
<b>Total</b>	<b>15</b>	<b>0</b>	<b>69</b>	<b>1</b>	<b>84</b>	<b>1</b>

( $p = 0.00047$ )

**Supporting Information Table 2:** Observed adult records of *A. iphichlus* (model) and *A. serpa* (mimic) at two field locations: (a) Costa Rica and (b) Ecuador. Shaded rows indicate months when adult records overlap with data collected during predation experiments. The total abundances were compared using a two-tailed Wilcoxon signed-rank test, and means were derived from monthly records. The abundance of *A. iphichlus* and *A. serpa* was not significantly different in Costa Rica (*NS*, brackets), but in Ecuador *A. iphichlus* (model) is significantly more abundant than *A. serpa* (mimic) ( $p = 0.00047$ , brackets).