KEY TO THE ALPHAEIDAE OF CALIFORNIA D. B. Cadien CSDLAC - Dec 7 1994 (modified from Wicksten 1984)

1.	Triangular movable plate articulated at posterolateral angle of sixth abdominal somite lateral to base of uropod
	No triangular movable plate articulated at posterolateral angle of sixth abdominal somite lateral to base of uropod
2.	Rostrum prominent, orbital hoods armed with spines Alphaeopsis equidactylus Rostrum absent, front without spines
3.	Dactyls of walking legs slender and simple
4.	Chelae of first legs with fingers longer than palm. Large male with gaping fingers of chelipeds
	Chelae of first legs with fingers not longer than palm. Large male with heavier, stouter chelae, but without gaping fingers
5.	Blade of antennal scale broad distally. Fixed finger of first cheliped decreasing in width evenly
	to sharp curved tip
6.	Front curved, not emarginate. Commensal with sea urchins (Strongylocentrotus spp)
	Front emarginate. Commensal with abalone, or free-living
7.	Emargination of front shallow. Telson with posterolateral spines small or missing. Commensal with abalones (<i>Haliotis</i> spp)
8.	Peduncle of first antenna less than 0.5x carapace length. Merus of cheliped with lower inner ridge with long bristles, upper ridge ending in sharp tooth; chela with fingers subequal to palm; chela 3 times as long as wide
	ridge usually tuberculate, upper ridge with tuft of hair, chela with fingers longer than palm; chela twice as long as wide
9.	Eyes partially or fully exposed dorsally
10.	Eyes fully exposed dorsally, rostrum shorter than eyestalks

2.	Propodus of 3rd pereopod setose, but lacking spines on posterior margin Automate sp A Pereopods without epipods. Dactyls of pereopods 3-5 bifid
	Pereopods with epipods. Dactyls of pereopods 3-5 simple
3.	Dactyl of major chela closing horizontally. Merus of third pereopod with prominent inferior spine
	Dactyl of major chela closing vertically. Merus of third pereopod lacks prominent inferior spine
4.	Orbital hoods with spines. Minor chela with prominent spine posterior to movable finger, movable finger flattened (lamellate)
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