

Table 1 Systematic checklist and abundance (number of individual m⁻²) for the four considered localities (VL- Vearaval, SU- Sutrapada, DH- Dhamlej, KO- Kodinar) of macro faunal taxa associated to *Palythoa mutuki* (“√” denotes presence of the species)

Class	Family	Species	VL	SU	DH	KO
Phylum Annelida						
Polycheta	Nereididae	<i>Nereis</i> sp.	0	√	0	√
	Phyllodocidae	<i>Eulalia</i> sp.	√	√	0	√
	Sabellidae	<i>Sabella</i> sp.	0	√	√	√
Phylum Porifera						
Demospongiae	Microcionidae	<i>Microceiona</i> sp.	√	√	0	√
	Tethyidae	<i>Tethya</i> sp.	√	0	0	√
Homoscleromorpha	Oscarellidae	<i>Oscarella</i> sp.	√	0	√	√
Phylum Echinodermata						
Ophiuroidea	Ophiodermatidae	<i>Ophioderma brevispina</i>	0	√	0	√
Echinoidea	Echinidae	<i>Echinus</i> sp.	0	0	0	√
Phylum Cnidaria						
Anthozoa	Poritidae	<i>Porites lutea</i>	0	√	√	0
		<i>Porites compressa</i>	0	√	√	0
	Actiniidae	<i>Paracondylactis sinensis</i>	√	√	√	√
Phylum Mollusca						
Cephalopoda	Octopodidae	<i>Octopus vulgaris</i>	0	√	0	√
Polyplacophora	Chitonidae	<i>Chiton chiton</i>	0	4	0	6
Gastropoda	Muricidae	<i>Chicoreus brunneus</i>	6	5	5	7
	Conidae	<i>Conus cumingii</i>	0	0	6	5
	Bursidae	<i>Bursa granularis</i>	7	5	5	5
	Buccinidae	<i>Cantharus spiralis</i>	5	4	5	4
	Buccinidae	<i>Pollia fumosa</i>	5	0	11	5
	Cypraeidae	<i>Erronea caurica dracaena</i>	0	0	0	4
	Cypraeidae	<i>Talparia talpa</i>	0	0	4	0
	Bursidae	<i>Bufo naria echinata</i>	0	0	5	5
	Rostellariidae	<i>Tibia curta</i>	0	6	11	4
	Babyloniidae	<i>Babylonia spirata</i>	0	0	4	0
	Muricidae	<i>Purpura panama</i>	0	0	4	4
	Littorinidae	<i>Echinolittorina interrupta</i>	0	5	0	0
	Turbinidae	<i>Turbo intercostalis</i>	8	7	9	11
	Turbinidae	<i>Turbo bruneus</i>	5	4	5	6
	Buccinidae	<i>Cantharus undosus</i>	7	4	7	0
	Columbellidae	<i>Pyrene flava</i>	4	4	0	5
	Potamididae	<i>Cerithidea cingulata</i>	11	13	8	6
	Cerithiidae	<i>Cerithium scabridum</i>	20	11	10	11
	Muricidae	<i>Indothais lacera</i>	6	5	8	5
	Neritidae	<i>Nerita oryzae</i>	5	4	0	0
	Neritidae	<i>Nerita chamaeleon</i>	5	0	0	0
	Turbinidae	<i>Lunella coronata</i>	23	9	4	7
	Turbinidae	<i>Astrea stellata</i>	23	15	4	7
	Turbinidae	<i>Astrea semicostata</i>	0	6	0	7
	Nacellidae	<i>Cellena radiata</i>	0	0	0	6

Class	Family	Species	VL	SU	DH	KO
Phylum Arthropoda						
Maxillopoda	Balanidae	<i>Amphibalanus amphitrite</i>	28	22	19	13
Crustacea	Portunidae	<i>Charybdis annulata</i>	1	3	2	3
	Portunidae	<i>Charybdis orientalis</i>	3	2	1	1
	Portunidae	<i>Charybdis sagamiensis</i>	0	0	3	0
	Portunidae	<i>Portunus pelagicus</i>	1	1	0	0
	Xanthidae	<i>Atergatis intergerrimus</i>	4	4	2	1
	Xanthidae	<i>Atergatis subdentatus</i>	0	1	1	1
	Xanthidae	<i>Atergatis floridus</i>	0	4	2	4
	Xanthidae	<i>Atergatis roseus</i>	2	2	0	0
	Xanthidae	<i>Platypodia cristata</i>	0	1	0	1
	Xanthidae	<i>Zozymodes pumilus</i>	0	1	1	0
	Xanthidae	<i>Etisus laevimanus</i>	1	3	2	3
	Xanthidae	<i>Demania baccalipes</i>	0	1	1	0
	Xanthidae	<i>Leptodius exaratus</i>	0	2	4	2
	Xanthidae	<i>Macromedaeus crassimanus</i>	0	1	1	0
	Pilumnidae	<i>Pilumnus vespertilio</i>	3	3	4	4
	Grapsidae	<i>Grapsus albioneatus</i>	0	2	3	1
	Matutidae	<i>Matuta planipes</i>	0	1	0	0
	Oziidae	<i>Epixanthus frontalis</i>	0	1	1	0
	Plagusiidae	<i>Plagusia squamosa</i>	0	1	0	0
	Eriphiidae	<i>Eriphia smithii</i>	0	2	1	1
	Menippidae	<i>Myomenippe hardwickii</i>	1	2	0	1
	Parthenopidae	<i>Cryptopodia angulata</i>	0	1	0	0
	Majidae	<i>Schizophrys aspera</i>	0	1	0	0
	Epialtidae	<i>Hyastenus diacanthus</i>	0	0	1	0
	Diogenidae	<i>Clibanarius zebra</i>	5	2	3	4
	Diogenidae	<i>Clibanarius nathii</i>	1	1	3	1
	Porcellanidae	<i>Petrolisthes lamarckii</i>	0	3	0	1
	Porcellanidae	<i>Petrolisthes boscii</i>	0	1	0	1