

## Supplementary Material

### Nutritional composition of potential zooplankton prey of the spiny lobster phyllosoma (*Jasus edwardsii*)

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**Table S1. Sample codes for zooplankton and natural phyllosoma feeds**

Code	Sample species	Sampling Position	Sampling Date
<b>Chaetognath</b>			
A1	<i>Sagitta bipunctata</i>	Great Barrier Island	16.11.2010
A2	<i>Pseudosagitta gazellae</i>	46° 38.62' S 178° 32.28' E	19.02.2011
A3	<i>Flaccisagitta hexaptera</i>	46° 38.62' S 178° 32.28' E	19.02.2011
A4	<i>Pseudosagitta gazellae</i>	41° 11.80' S 178° 31.87' E	21.02.2011
A5	<i>Pseudosagitta gazellae</i>	46° 38.62' S 178° 32.28' E	06.05.2011
A6	<i>Flaccisagitta hexaptera</i>	41° 11.80' S 178° 31.87' E	09.05.2011
A7	<i>Sagitta bipunctata</i>	41° 11.80' S 178° 31.87' E	09.05.2011
A8	<i>Flaccisagitta hexaptera</i>	46° 38.62' S 178° 32.28' E	29.09.2011
<b>Ctenophore</b>			
B1	<i>Pleurobrachia pileus</i>	Great Barrier Island	16.11.2010
B2	<i>Pleurobrachia pileus</i>	Kaipara Harbour 36°25.309' S 174°14.355'	24.11.2010

		E		
B3	<i>Pleurobrachia pileus</i>	Mercury Islands S 175°46.638' E	36°36.7'	10.12.2010
B4	<i>Pleurobrachia pileus</i>	46° 38.62' S	178° 32.28' E	19.02.2011
B5	<i>Pleurobrachia pileus</i>	41° 11.80' S	178° 31.87' E	21.02.2011
B6	<i>Beroe</i> spp.	46° 38.62' S	178° 32.28' E	29.09.2011
B7	<i>Beroe</i> spp.	46° 38.62' S	178° 32.28' E	29.09.2011
<b>Tunicate</b>				
C1	<i>Thalia democratica</i>	Omaha Bay		26.10.2010
C2	<i>Thalia democratica</i>	Great Barrier Island		16.11.2010
C3	<i>Salpa maxima</i>	Great Barrier Island		16.11.2010
C4	<i>Cyclosalpa</i> spp.	Great Barrier Island		16.11.2010
C5	<i>Cyclosalpa affinis</i>	Mercury Islands S 175°46.638' E	36°36.7'	10.12.2010
C6	Salp unknown	41° 11.80' S	178° 31.87' E	21.02.2011
C7	Salp unknown	41° 11.80' S	178° 31.87' E	21.02.2011
C8	<i>Thalia democratica</i>	Mercury Islands S 175°46.638' E	36°36.7'	10.03.2011
C9	<i>Thalia democratica</i>	41° 11.80' S	178° 31.87' E	09.05.2011
C10	<i>Iasis zonaria</i>	41° 11.80' S	178° 31.87' E	09.05.2011
C11	<i>Thetys vagina</i>	41° 11.80' S	178° 31.87' E	09.05.2011
C12	<i>Salpa fusiformis</i>	46° 38.62' S	178° 32.28' E	29.09.2011
C13	<i>Salpa maxima</i>	46° 38.62' S	178° 32.28' E	29.09.2011
C14	Salp unknown	46° 38.62' S	178° 32.28' E	29.09.2011
<b>Siphonophore</b>				
D	<i>Chelophyes appendiculata</i>	46° 38.62' S	178° 32.28' E	06.05.2011
<b>Pteropod</b>				
E	<i>Clione</i> spp.	41° 11.80' S	178° 31.87' E	09.05.2011
<b>Scyphozoan</b>				
F1	<i>Aurelia aurita</i>	Great Barrier Island		16.11.2010
F2	<i>Aurelia aurita</i>	Great Barrier Island		16.11.2010
<b>Heteropod</b>				
G	<i>Firoloida</i> spp.	41° 11.80' S	178° 31.87' E	09.05.2011
<b>Amphipod</b>				
H1	<i>Cylopus magellanicus</i>	46° 38.62' S	178° 32.28' E	27.10.2009
H2	<i>Vibilia stebbingi</i>	46° 38.62' S	178° 32.28' E	27.10.2009
H3	<i>Vibilia armata</i>	41° 11.80' S	178° 31.87' E	21.02.2011
H4	Gammaridea	41° 11.80' S	178° 31.87' E	21.02.2011
H5	<i>Themisto gaudichaudi</i>	46° 38.62' S	178° 32.28' E	06.05.2011
<b>Copepod</b>				
I1	<i>Metridia lucens</i> , <i>Heterorhabdus</i>	46° 38.62' S	178° 32.28' E " "	06.05.2011 " "

	<i>austrinus</i>		"	"
	<i>Pareuchaeta</i> spp.		"	"
	<i>Pleuromamma</i> <i>robusta</i>		"	"
	<i>Pleuromamma</i> sp.			
I2	Calanoida	46° 38.62' S	178° 32.28' E	06.05.2011
I3	Calanoida	46° 38.62' S	178° 32.28' E	29.09.2011
<b>Euphausiid</b>				
J1	Euphausiid unknown	Great Barrier Island		16.11.2010
J2	<i>Euphausia spinifera</i>	46° 38.62' S	178° 32.28' E	19.02.2011
J3	<i>Euphausia</i> <i>longirostris</i>	46° 38.62' S	178° 32.28' E	06.05.2011
J4	<i>Thysanoessa gregaria</i>	46° 38.62' S	178° 32.28' E	06.05.2011
J5	<i>Euphausia spinifera</i>	41° 11.80' S	178° 31.87' E	09.05.2011
J6	<i>Euphausia recurva</i>	41° 11.80' S	178° 31.87' E	09.05.2011
J7	<i>Nematosceles</i> <i>megalops</i> , <i>Nyctiphanes australis</i>	41° 11.80' S	178° 31.87' E	09.05.2011
J8	Euphausiid unknown	46° 38.62' S	178° 32.28' E	29.09.2011
<b>Fish larva</b>				
K1	<i>Hygophum</i> spp.	Great Barrier Island		16.11.2010
K2	<i>Hygophum</i> spp.	41° 11.80' S	178° 31.87' E	21.02.2011
K3	Fish larva unknown	41° 11.80' S	178° 31.87' E	21.02.2011
K4	Leptocephalus	41° 11.80' S	178° 31.87' E	09.05.2011
<b>Mussel gonad</b>				
L1	<i>Perna canaliculus</i> (Female)	Pakiri Beach 36°14.57' S, 174°44.2'E		01.08.2011
L2	<i>Perna canaliculus</i> (Male)	Pakiri Beach 36°14.57' S, 174°44.2'E		01.08.2011
<b>Artemia</b>				
M	<i>Artemia salina</i>	Great Salt Lake, Utah, USA		21.12.2011