

## **SUPPLEMENTARY MATERIALS**

### **Morphometric, Meristic and Stomach Content Analyses of Selected Finfish and Shellfish Species in Brunei Darussalam**

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**Table S1.** Morphometric data of selected finfish from Brunei's marine and brackish waters (Range, Mean and SD)

Characters	<i>Lutjanus argentimaculatus</i>		<i>Siganus javus</i>		<i>Lates calcarifer</i>		<i>Epinephelus coiodes</i>		<i>Lutjanus johnii</i>		<i>Caranx ignobilis</i>		<i>Toxotes jaculatrix</i>		<i>Oxyeleotris marmorata</i>	
	Range (mm)	Range (mm)	Mean (mm) ± SD	Range (mm)	Mean (mm) ± SD	Range (mm)	Mean (mm) ± SD	Range (mm)	Mean (mm) ± SD	Range (mm)	Mean (mm) ± SD	Range (mm)	Mean (mm) ± SD	Range (mm)	Mean (mm) ± SD	Range (mm)
Total Length (TL)	343.00–394.00	372.00 ± 26.21	168.00–197.00	182.00 ± 13.34	353.00–373.00	366.00 ± 8.91	229.00–282.00	257.75 ± 22.17	149.00–227.00	174.00 ± 35.80	267.00–333.00	295.33 ± 33.98	154.00–237.00	195.00 ± 33.49	188.00–480.00	302.67 ± 155.76
Standard Length (SL)	295.00–342.00	325.67 ± 26.58	134.96–166.00	146.94 ± 13.73	306.00–324.00	317.50 ± 7.94	193.00–235.00	216.00 ± 17.78	123.00–190.00	144.50 ± 30.69	207.00–245.00	220.67 ± 21.13	130.00–207.00	166.03 ± 32.13	157.00–402.00	257.33 ± 128.38
Fork Length (FL)	339.00–385.00	368.00 ± 25.24	165.00–194.00	175.75 ± 13.02	353.00–373.00	366.00 ± 8.91	229.00–282.00	257.75 ± 22.17	140.00–223.00	168.25 ± 37.32	226.00–272.00	243.67 ± 24.79	154.00–237.00	195.00 ± 33.49	188.00–480.00	302.67 ± 155.76
Head Length (HL)	108.47–127.56	119.70 ± 9.98	37.82–44.88	40.23 ± 3.20	95.93–102.99	99.35 ± 2.89	69.11–96.03	85.44 ± 12.16	41.27–69.01	51.77 ± 12.07	59.98–81.83	69.94 ± 11.05	46.16–87.01	64.47 ± 16.68	54.37–143.24	89.83 ± 47.07
(B). Head Width (HW)	34.99–46.02	39.74 ± 5.67	17.46–21.20	19.48 ± 1.79	31.75–33.77	32.90 ± 1.04	25.49–32.39	29.80 ± 3.24	16.65–27.24	20.55 ± 4.63	32.66–62.91	49.16 ± 15.31	22.33–38.78	29.65 ± 6.63	32.68–111.69	63.02 ± 42.57
Head Depth (HD)	N/A		34.89–44.15	37.25 ± 4.60	34.15–37.10	35.59 ± 1.41	29.11–39.96	33.58 ± 5.13	24.45–44.17	32.73 ± 10.23	52.20–66.74	57.94 ± 7.74	25.05–46.50	32.80 ± 8.64	19.45–88.95	43.67 ± 39.25
Muzzle Length (ML)	30.43–38.89	35.24 ± 4.35	11.66–14.18	12.79 ± 1.13	18.84–24.54	20.99 ± 2.50	12.30–19.01	15.20 ± 2.95	10.49–14.49	11.89 ± 1.78	12.12–21.12	16.76 ± 4.51	11.28–25.53	18.49 ± 5.65	12.29–70.63	33.18 ± 32.50
(B). Mouth Depth (MD)	N/A	N/A	8.33–13.99	10.88 ± 2.39	16.81–17.69	17.32 ± 0.39	9.66–14.39	12.49 ± 2.10	10.22–11.62	11.13 ± 0.65	12.47–15.37	14.22 ± 1.54	13.42–16.88	14.87 ± 1.49	15.15–37.20	24.02 ± 11.64
(B). Mouth Width (MW)	N/A	N/A	7.00–8.42	7.75 ± 0.59	24.96–28.73	27.19 ± 1.66	20.73–27.51	25.02 ± 3.06	11.05–17.40	13.00 ± 2.95	19.62–27.72	23.21 ± 4.13	14.32–26.10	19.65 ± 4.64	21.76–71.32	40.26 ± 27.06
Eye Height (EH)	N/A	N/A	11.97–13.69	12.83 ± 0.95	12.10–15.31	13.44 ± 1.37	10.50–14.03	12.28 ± 1.65	9.41–13.72	11.56 ± 1.76	16.32–18.86	17.38 ± 1.32	14.04–17.04	15.23 ± 1.15	5.24–14.67	9.57 ± 4.76
Eye Diameter (ED)	19.44–23.82	21.92 ± 2.25	10.62–12.78	11.48 ± 1.00	14.39–15.26	14.90 ± 0.37	11.42–14.24	12.71 ± 1.16	10.26–13.69	11.56 ± 1.48	15.48–17.10	16.27 ± 0.81	13.38–16.30	14.96 ± 1.19	5.86–14.77	9.95 ± 4.50
(B). Interorbital Width (ID)	35.20–42.95	39.35 ± 3.90	13.94–18.28	15.83 ± 1.88	18.61–20.92	20.01 ± 1.01	16.91–21.49	18.81 ± 1.96	10.81–16.16	12.36 ± 2.55	20.78–24.38	22.68 ± 1.81	16.08–29.68	21.63 ± 5.34	17.37–60.66	34.15 ± 23.23
Post Orbital Length of Head (C). Jugular Space (JS)	57.16–66.20	61.24 ± 4.58	13.63–17.90	15.24 ± 1.86	62.50–72.44	67.87 ± 4.10	42.68–62.84	53.80 ± 8.86	21.88–38.31	27.91 ± 7.20	32.94–45.99	38.42 ± 6.77	21.47–45.28	31.87 ± 10.25	34.42–113.27	64.60 ± 42.55
(C). Jugular Space (JS)	31.92–46.50	37.62 ± 7.79	14.36–17.41	16.02 ± 1.26	47.04–52.18	49.89 ± 2.18	34.83–44.99	41.02 ± 4.56	28.11–37.03	32.93 ± 3.82	30.67–39.97	34.77 ± 4.75	26.51–47.28	35.56 ± 8.45	25.41–111.18	58.20 ± 46.31
First Predorsal Distance (PrDD1)	115.88–187.00	151.63 ± 35.56	32.27–43.60	38.56 ± 4.94	109.97–123.21	118.28 ± 6.03	63.73–82.84	75.97 ± 8.62	42.68–108.12	61.59 ± 31.13	68.43–95.60	80.32 ± 13.90	77.96–128.23	100.34 ± 21.13	65.33–169.00	107.51 ± 54.46
Second Predorsal Distance (PrDD2)	N/A	N/A	N/A	N/A	192.00–205.00	198.75 ± 5.38	N/A	N/A	N/A	N/A	109.67–142.79	124.25 ± 16.91	N/A	N/A	94.70–232.00	151.65 ± 71.58
Prepectoral Distance (PrPeD)	95.69–111.78	105.50 ± 8.61	33.55–37.48	36.34 ± 1.87	91.10–100.80	96.92 ± 4.53	62.73–78.25	72.37 ± 7.44	39.56–62.42	48.46 ± 9.80	56.30–84.61	70.13 ± 14.17	47.40–75.59	61.71 ± 12.19	55.20–147.00	93.10 ± 47.94
Prepelvic Distance (PrPeD)	102.9–120.38	113.59 ± 9.33	40.08–46.87	43.64 ± 2.84	99.07–112.76	105.02 ± 6.35	67.57–85.48	77.41 ± 7.57	44.89–61.71	50.87 ± 7.47	56.50–86.83	72.00 ± 15.18	54.53–80.72	67.74 ± 11.34	50.41–120.00	78.28 ± 36.80
Preanal Distance (PrAD)	195.0–228.00	214.67 ± 17.39	70.21–81.97	73.47 ± 5.70	212.00–230.00	222.25 ± 7.59	120.91–145.23	136.29 ± 10.61	76.87–123.73	95.00 ± 20.10	114.64–139.60	129.68 ± 13.24	80.98–130.69	104.77 ± 20.80	99.20–254.00	162.34 ± 81.24
Pectoral–First Dorsal Fin Origin Distance (PcDD1)	61.50–76.98	71.63 ± 8.78	40.62–49.82	43.49 ± 4.27	57.85–67.26	62.07 ± 4.60	30.41–43.96	38.31 ± 6.01	25.38–41.43	31.25 ± 7.06	57.90–66.70	60.87 ± 5.05	45.70–73.89	58.84 ± 11.35	19.00–54.21	32.59 ± 18.93

Characters	<i>Lutjanus argentimaculatus</i>		<i>Siganus javus</i>		<i>Lates calcarifer</i>		<i>Epinephelus coiodes</i>		<i>Lutjanus johnii</i>		<i>Caranx ignobilis</i>		<i>Toxotes jaculatrix</i>		<i>Oxyeleotris marmorata</i>	
	Range (mm)	Range (mm)	Mean (mm) ± SD	Range (mm)	Mean (mm) ± SD	Range (mm)	Mean (mm) ± SD	Range (mm)	Mean (mm) ± SD	Range (mm)	Mean (mm) ± SD	Range (mm)	Mean (mm) ± SD	Range (mm)	Mean (mm) ± SD	Range (mm)
Pectoral–Second Dorsal Fin Origin Distance (PcDD2)	N/A	N/A	N/A	N/A	111.42–114.64	112.63 ± 1.47	N/A	N/A	N/A	N/A	77.06–85.90	80.03 ± 5.08	N/A	N/A	39.82–99.68	64.08 ± 31.50
Pelvic–First Dorsal Fin Origin Distance (PeDD1)	95.19–116.52	108.65 ± 11.71	58.70–71.20	62.66 ± 5.87	84.30–95.85	90.88 ± 5.04	48.29–64.76	56.61 ± 7.51	33.32–69.23	47.23 ± 15.46	86.97–101.02	91.78 ± 8.00	62.13–95.33	77.15 ± 13.86	31.93–98.43	59.52 ± 34.67
Pelvic–Second Dorsal Fin Origin Distance (PeDD2)	131.3–154.51	145.53 ± 12.46	N/A	N/A	119.20–130.62	125.77 ± 5.53	N/A	N/A	N/A	N/A	100.37–115.59	105.48 ± 8.76	N/A	N/A	48.67–137.75	86.49 ± 46.03
Anal–First Dorsal Fin Origin Distance (ADD1)	89.81–109.05	102.06 ± 10.64	68.88–84.30	73.33 ± 7.40	129.76–137.60	133.95 ± 3.52	81.27–96.05	88.74 ± 6.06	55.70–91.81	69.14 ± 15.71	94.53–108.55	101.43 ± 7.01	55.94–82.53	69.60 ± 11.50	31.25–114.97	69.77 ± 42.26
Anal–Second Dorsal Fin Origin Distance (ADD2)	N/A	N/A	N/A	N/A	86.37–93.60	90.46 ± 3.04	N/A	N/A	N/A	N/A	89.75–103.24	94.81 ± 7.35	N/A	N/A	28.79–82.88	51.44 ± 28.10
Pelvic–Anal Fin Origin Distance (PeAD)	89.81–109.05	102.06 ± 10.64	23.88–35.30	29.41 ± 4.69	106.45–119.95	112.56 ± 5.94	60.50–70.29	65.83 ± 4.90	33.14–57.25	41.45 ± 11.26	42.22–58.05	49.53 ± 7.98	28.30–54.25	39.00 ± 10.21	43.75–135.20	81.56 ± 47.73
Pectoral–Anal Fin Origin Distance (PcAD)	88.26–117.18	105.88 ± 15.46	37.46–55.18	44.70 ± 7.54	117.92–129.28	123.72 ± 5.21	67.44–78.69	73.07 ± 4.66	39.11–64.24	47.89 ± 11.15	54.81–64.50	58.92 ± 5.01	40.51–65.47	52.70 ± 10.69	47.05–134.32	80.35 ± 47.16
Pectoral–Pelvic Fin Origin Distance (PcPeD)	31.23–36.94	33.46 ± 3.05	20.65–26.92	23.33 ± 2.61	32.11–36.33	34.99 ± 1.94	13.51–21.12	18.65 ± 3.51	14.46–22.20	16.87 ± 3.61	32.51–36.38	34.30 ± 1.95	25.81–38.27	31.63 ± 5.55	20.63–73.01	41.21 ± 27.93
First–Second Dorsal Fins Distance (D1D2D)	N/A	N/A	N/A	N/A	4.37–4.37	N/A	N/A	N/A	N/A	N/A	4.07–7.20	5.52 ± 1.58	N/A	N/A	4.80–11.62	7.58 ± 3.58
First Dorsal Fin Base Length (DL1)	163.00–189.00	179.00 ± 14.00	90.45–116.03	101.55 ± 10.71	65.91–79.35	72.94 ± 5.97	116.11–139.55	129.14 ± 9.95	63.28–107.11	78.24 ± 19.67	37.20–42.90	39.97 ± 2.85	44.65–67.70	55.22 ± 9.76	19.47–60.85	37.48 ± 21.20
Second Dorsal Fin Base Length (DL2)	N/A	N/A	N/A	N/A	79.84–85.32	82.40 ± 2.86	N/A	N/A	N/A	N/A	83.55–97.33	89.71 ± 7.01	N/A	N/A	38.70–111.48	69.17 ± 37.81
Pectoral Fin Length (PcL)	82.28–104.19	93.88 ± 11.01	28.05–34.63	31.09 ± 2.94	46.64–50.28	49.07 ± 1.65	42.09–51.65	47.37 ± 4.00	35.29–55.71	42.31 ± 9.20	80.16–95.12	86.18 ± 7.90	35.53–58.21	47.15 ± 9.43	30.40–86.70	53.25 ± 29.61
(E). Pelvic Fin Length (PeL)	48.28–60.88	53.14 ± 6.77	19.62–22.92	20.69 ± 1.53	49.63–58.15	53.89 ± 3.79	31.07–36.81	34.16 ± 2.36	25.51–36.98	31.39 ± 4.74	34.00–38.34	35.58 ± 2.40	18.09–31.03	23.25 ± 5.39	15.05–57.06	34.58 ± 21.16
(E). Pectoral Fin Longitudinal Length (PeLL)	71.24–88.73	80.56 ± 8.80	23.27–31.38	28.69 ± 3.68	36.74–45.52	42.37 ± 4.13	35.05–45.05	39.73 ± 4.10	32.97–48.63	37.89 ± 7.33	69.34–82.86	74.93 ± 7.06	34.03–48.62	40.38 ± 6.74	25.75–83.36	47.67 ± 31.17
(F). Anal Fin Longitudinal Length (ALL)	36.94–44.34	40.18 ± 3.78	14.42–23.17	17.17 ± 4.09	31.12–38.08	34.33 ± 3.09	30.01–34.74	32.68 ± 2.11	17.21–23.45	20.59 ± 2.57	37.87–46.04	40.96 ± 4.44	17.67–24.19	20.95 ± 2.65	19.00–34.97	28.56 ± 8.44

Table S1. continued

Characters	<i>Lutjanus argentimaculatus</i>			<i>Siganus Javus</i>			<i>Lates calcarifer</i>			<i>Epinephelus coiodes</i>			<i>Lutjanus johnii</i>			<i>Caranx ignobilis</i>			<i>Toxotes jaculatrix</i>			<i>Oxyeleotris marmorata</i>		
	Range (mm)	Mean (mm) ± SD	±	Range (mm)	Mean (mm) ± SD	±	Range (mm)	Mean (mm) ± SD	±	Range (mm)	Mean (mm) ± SD	±	Range (mm)	Mean (mm) ± SD	±	Range (mm)	Mean (mm) ± SD	±	Range (mm)	Mean (mm) ± SD	±	Range (mm)	Mean (mm) ± SD	±
Caudal Fin Length (CfL)	59.56–75.48	65.43 ± 8.74		42.30–63.19	52.05 ± 8.58		43.85–52.68	48.90 ± 3.89		37.31–41.91	40.03 ± 2.13		23.53–31.02	26.97 ± 3.08		8.28–9.50	9.03 ± 0.65		19.51–31.49	25.62 ± 5.36		31.92–79.57	51.34 ± 25.02	
Caudal Fin Depth (CfD)	N/A	N/A		21.06–30.80	25.88 ± 4.04		N/A	N/A		N/A	N/A		23.82–43.38	32.96 ± 9.84		51.94–77.53	66.88 ± 13.33		N/A	N/A		26.04–26.18	26.11 ± 0.10	
(F). Anal Fin Base Length (AL)	66.77–75.66	70.48 ± 4.62		64.50–72.16	67.01 ± 3.48		56.92–62.30	60.27 ± 2.35		50.98–63.33	57.43 ± 5.35		25.83–43.89	33.69 ± 7.59		87.35–103.88	93.07 ± 9.37		45.32–58.75	52.42 ± 6.71		33.67–93.85	59.19 ± 31.11	
(C). Pelvic–Pelvic Spines Distance (PePeD)	21.79–24.79	23.22 ± 1.50		5.36–6.96	6.07 ± 0.75		26.69–32.28	29.79 ± 2.31		12.32–17.07	14.91 ± 2.15		8.33–15.32	10.62 ± 3.18		13.72–17.50	15.03 ± 2.14		8.57–12.39	10.46 ± 1.48		16.48–52.99	31.27 ± 19.21	
Caudal Peduncle Depth (CPDe)	33.83–40.46	37.84 ± 3.53		8.78–10.41	9.83 ± 0.75		38.86–40.83	39.93 ± 0.83		21.30–26.42	23.67 ± 2.22		16.22–24.22	18.58 ± 3.78		8.39–9.65	9.14 ± 0.66		15.35–26.01	19.91 ± 4.30		19.13–49.89	31.21 ± 16.41	
Body Depth (BDe)	91.51–114.52	105.50 ± 12.28		62.72–76.50	68.06 ± 5.92		88.25–95.20	91.65 ± 3.34		55.62–64.91	59.98 ± 4.43		44.16–70.40	52.89 ± 11.95		89.68–101.87	93.85 ± 6.94		52.67–79.65	66.61 ± 10.99		31.43–95.39	56.71 ± 34.02	
Body Depth at Anus (BDA)	84.46–104.41	97.60 ± 11.38		62.99–76.26	67.73 ± 5.89		75.18–86.58	82.74 ± 5.13		48.58–57.82	53.50 ± 3.81		43.63–66.03	50.06 ± 10.75		86.88–100.66	91.92 ± 7.60		54.95–81.92	68.44 ± 11.49		27.83–82.63	50.23 ± 28.73	
(D). Dorsal First Spine Length (DSL1)	15.26–19.63	16.73 ± 2.51		10.55–12.79	11.40 ± 0.98		5.22–9.57	7.70 ± 1.82		9.53–12.99	11.06 ± 1.56		6.62–8.75	7.26 ± 1.01		8.43–12.19	9.92 ± 2.00		8.28–25.98	13.33 ± 7.32		14.87–43.01	26.66 ± 14.62	
(D). Dorsal Second Spine Length (DSL2)	30.09–38.86	34.05 ± 4.45		16.93–20.52	18.30 ± 1.62		12.53–18.83	15.20 ± 2.71		15.72–19.05	17.81 ± 1.45		11.61–15.79	13.17 ± 1.90		22.03–25.41	23.33 ± 1.82		16.45–32.09	22.22 ± 6.31		16.78–51.44	31.49 ± 17.91	
(D). Dorsal Third Spine Length (DSL3)	38.85–59.55	49.76 ± 10.40		20.38–24.76	21.75 ± 2.04		36.84–48.50	43.09 ± 5.92		19.11–25.99	22.77 ± 2.84		17.08–24.91	20.03 ± 3.41		28.95–33.45	30.87 ± 2.32		24.98–38.34	30.55 ± 5.80		17.93–48.47	30.72 ± 15.86	
(D). Dorsal Fourth Spine Length (DSL4)	40.36–55.31	49.01 ± 7.75		21.16–24.86	22.37 ± 1.71		28.41–39.53	34.43 ± 5.64		21.61–30.43	24.59 ± 3.97		17.44–27.12	21.36 ± 4.19		23.98–33.00	27.65 ± 4.74		25.72–36.80	29.51 ± 4.87		15.53–46.01	29.29 ± 15.46	
(E). Pelvic Spine Length (PeSL)	30.61–40.05	35.46 ± 4.73		19.09–24.39	21.30 ± 2.28		30.41–32.48	31.41 ± 1.07		17.48–22.53	19.90 ± 2.38		14.91–20.78	17.41 ± 2.70		N/A	N/A		16.57–27.26	20.68 ± 4.65		16.37–19.43	17.77 ± 1.55	
(F). Anal First Spine Length (ASL1)	8.73–13.91	11.41 ± 2.59		14.08–16.10	14.71 ± 0.95		6.22–7.14	6.89 ± 0.45		6.12–10.39	7.74 ± 1.85		6.04–10.92	8.67 ± 2.25		5.64–7.30	6.54 ± 0.84		9.13–12.74	10.93 ± 1.33		10.05–21.84	14.77 ± 6.24	
Anal Caudal Fin Origin (CD)	54.35–62.11	58.44 ± 3.90		13.31–15.10	14.09 ± 0.83		39.45–48.32	43.35 ± 3.75		37.14–40.94	38.67 ± 1.78		18.94–29.39	22.82 ± 4.62		21.60–24.83	23.62 ± 1.76		10.56–21.08	15.67 ± 3.93		40.29–75.00	57.72 ± 18.64	
Second Dorsal–Caudal Fin Origin Distance (D2CD)	51.75–71.44	59.08 ± 10.77		12.64–16.26	14.27 ± 1.62		47.99–59.74	53.27 ± 5.02		21.82–27.08	25.04 ± 2.25		N/A	N/A		21.79–34.83	27.74 ± 6.60		12.88–26.02	19.85 ± 5.54		36.96–95.90	58.16 ± 32.76	
Upper Jaw Length (UJL)	41.48–50.46	46.09 ± 4.49		7.44–9.82	8.78 ± 0.99		35.15–43.05	39.89 ± 3.36		28.51–38.24	34.34 ± 4.64		17.34–25.01	20.52 ± 3.24		29.76–37.39	32.51 ± 4.24		23.22–41.27	31.46 ± 7.07		17.78–55.20	34.19 ± 19.13	
Lower Jaw Length (LJL)	38.60–48.15	43.35 ± 4.78		6.03–9.81	7.79 ± 1.90		30.01–47.03	41.79 ± 8.03		29.22–40.22	35.76 ± 5.26		16.70–23.72	19.51 ± 3.04		28.17–36.71	31.53 ± 4.55		24.44–41.92	32.65 ± 6.90		19.00–56.46	35.32 ± 19.19	

**Table S2.** Morphometric measurements of shrimps (Range, Mean and SD)

Morphometric Characters	<i>Mierspenaeopsis sculptilis</i>		<i>Peneaus vannamei</i>	
	Range (mm)	Mean (mm) ± SD	Range (mm)	Mean (mm) ± SD
Body Length (Bl)	72.99–114.19	95.98 ± 15.86	108.81–116.08	112.88 ± 3.14
Rostrum Length (Rl)	10.00–21.06	16.52 ± 5.47	16.18–17.94	17.10 ± 0.80
Carapace Length (Cl)	21.34–38.46	30.02 ± 7.16	25.79–28.02	27.30 ± 0.94
Carapace Width (Cw)	9.63–15.49	12.33 ± 2.30	12.04–17.23	14.64 ± 2.27
Carapace Height (Ch)	11.02–17.09	13.76 ± 2.74	16.72–17.32	17.02 ± 0.28
Segment Length–1 (Sl–1)	4.33–6.59	5.39 ± 0.82	7.18–7.82	7.45 ± 0.24
Segment Length–2 (Sl–2)	4.86–8.86	6.85 ± 1.39	10.18–11.17	10.61 ± 0.38
Segment Length–3 (Sl–3)	6.41–9.99	8.12 ± 1.26	13.34–14.47	13.82 ± 0.47
Segment Length–6 (Sl–6)	8.33–13.63	11.78 ± 1.91	16.22–20.11	18.22 ± 1.57
Segment Height–6 (Sh–6)	8.48–12.27	10.37 ± 1.48	10.97–13.03	12.07 ± 0.86
Abdomen Length (Al)	37.78–57.97	49.66 ± 7.31	56.05–68.23	63.82 ± 4.60
Telson Length (Tsl)	12.21–17.87	14.94 ± 2.06	16.42–16.80	16.64 ± 0.14
Uropod Length (Ul)	15.19–23.34	19.67 ± 3.18	22.47–24.82	24.09 ± 0.95
Eye Diameter	4.36–6.49	5.59 ± 0.86	5.35–5.97	5.54 ± 0.25

**Table S3.** Morphometric measurements of mud crabs (Range, Mean and SD)

Morphometric Characters	<i>Scylla paramamosain</i>		<i>Scylla Olivacea</i>	
	Range (mm)	Mean (mm) $\pm$ SD	Range (mm)	Mean (mm) $\pm$ SD
Carapace Width (Cw)	101.46–114.69	108.08 $\pm$ 9.36	102.62–103.95	103.28 $\pm$ 0.75
Internal Carapace Width (Icw)	94.53–109.14	101.84 $\pm$ 10.33	97.91–98.86	98.49 $\pm$ 0.44
Carapace Width at Spine 8 (8cw)	98.73–113.80	106.27 $\pm$ 10.66	102.43–103.86	103.23 $\pm$ 0.61
Carapace Length (Cl)	66.23–75.38	70.81 $\pm$ 6.47	67.84–69.86	69.07 $\pm$ 0.95
Posterior Width of Carapace (Pwc)	32.13–37.56	34.85 $\pm$ 3.84	30.68–34.30	31.91 $\pm$ 1.62
Left Anterolateral Length of Carapace (Lc)	41.79–47.96	44.88 $\pm$ 4.36	44.16–45.72	44.96 $\pm$ 0.68
Right Anterolateral Length of Carapace (Rc)	42.00–46.43	44.22 $\pm$ 3.13	43.42–46.12	45.15 $\pm$ 1.20
Frontal Width (Fw)	38.92–42.06	40.49 $\pm$ 2.22	41.92–43.54	42.65 $\pm$ 0.72
Frontal Median Spine Height (Fmsh)	2.17–2.28	2.23 $\pm$ 0.08	1.47–2.98	2.24 $\pm$ 0.62
Distance Between Frontal Median Spines (Dfms)	4.68–5.51	5.10 $\pm$ 0.59	4.62–5.48	5.19 $\pm$ 0.39
Distance Between Frontal Lateral Spines (Dfls)	5.24–5.67	5.46 $\pm$ 0.30	4.56–5.69	5.27 $\pm$ 0.51
Antennule Length	15.15–21.03	18.09 $\pm$ 4.16	23.87–30.20	26.74 $\pm$ 2.65
Sternum Width (Sw)	49.84–58.89	54.37 $\pm$ 6.40	52.24–52.88	52.52 $\pm$ 0.27
Abdominal Length (Al)	37.85–40.57	39.21 $\pm$ 1.92	35.70–36.22	35.96 $\pm$ 0.29
Abdomen Width (Aw)	30.18–41.86	36.02 $\pm$ 8.26	24.50–25.49	24.92 $\pm$ 0.43
Telson Length (Tl)	8.95–9.66	9.31 $\pm$ 0.50	8.40–9.63	9.05 $\pm$ 0.62
Thoracic Sternites	54.33–62.26	58.30 $\pm$ 5.61	55.31–56.91	55.91 $\pm$ 0.76
Dactylus Width (Dw)	6.90–11.75	9.33 $\pm$ 3.43	8.88–11.90	10.12 $\pm$ 1.36
Dactylus Length (Dl)	29.34–38.60	33.97 $\pm$ 6.55	29.85–42.82	34.81 $\pm$ 5.62
Propodus Length (Pl)	26.15–80.67	53.41 $\pm$ 38.55	61.77–81.34	72.59 $\pm$ 8.21
Propodus Width (Pw)	38.34–54.17	46.26 $\pm$ 11.19	30.40–41.44	37.74 $\pm$ 5.03
Carpus Length (Cl)	20.95–30.97	25.96 $\pm$ 7.09	22.28–28.17	25.37 $\pm$ 3.09
Carpus Width (Cw)	16.17–22.21	19.19 $\pm$ 4.27	18.48–23.75	21.85 $\pm$ 2.32
Merus Width (Mw)	18.98–25.16	22.07 $\pm$ 4.37	20.76–23.95	22.57 $\pm$ 1.33
Merus Length (Ml)	32.04–39.44	35.74 $\pm$ 5.23	31.03–42.99	36.13 $\pm$ 5.63
Inner Carpus Spine	0.55–1.33	0.94 $\pm$ 0.55	0.85–1.60	1.10 $\pm$ 0.43
Outer Carpus Spine	0.73–1.99	1.36 $\pm$ 0.89	0.99–1.77	1.36 $\pm$ 0.39
Total Length of Swimming Leg (Tpl)	71.31–93.01	82.16 $\pm$ 15.34	73.55–84.40	80.88 $\pm$ 5.11
Upper Paddle Width (Upw)	13.85–16.90	15.38 $\pm$ 2.16	14.87–16.12	15.28 $\pm$ 0.57
Upper Paddle Length (Upl)	22.57–28.71	25.64 $\pm$ 4.34	24.46–27.46	25.97 $\pm$ 1.26
Lower Paddle Length (Lpl)	28.53–34.32	31.43 $\pm$ 4.09	25.26–29.12	27.36 $\pm$ 1.66
Lower Paddle Width (Lpw)	13.71–17.11	15.41 $\pm$ 2.40	15.70–16.14	15.89 $\pm$ 0.19

**Table S4.** Morphometric measurements of oysters (Range, Mean and SD)

Morphometric Characters	Range	Mean $\pm$ Sd
Total Weight	133.01–331.21	229.61 $\pm$ 81.10
Meat Weight	13.00–32.00	21.70 $\pm$ 7.58
Shell Weight	124.35–307.97	201.58 $\pm$ 76.71
Shell Total Length	97.54–175.00	137.23 $\pm$ 29.49
Shell Width	89.41–121.29	100.44 $\pm$ 11.32
Height	76.65–111.58	95.26 $\pm$ 14.44
Shell Thickness	24.33–32.32	28.16 $\pm$ 3.34