

RESEARCH REPORT

Supplementary Table 1. Total list of *Urodacus elongatus* masses observed, [M] listed. Average masses shown with a proceeding 'a.'

374.21	991.61	1278.80	1689.90	2339.34	2826.26	3969.83	5287.79
428.27	1004.56	1284.76	1693.02	2357.35	2893.46	3980.12	5306.81
444.36	1008.48	1289.64	1695.88	2358.46	2953.67	4054.53	5493.82
466.29	1009.85	1297.76	1698.13	2362.25	2957.41	4072.98	5555.57
484.19	1022.50	1298.70	1711.87	2372.27	2958.61	4074.21	5557.61
492.36	1028.64	1299.80	1714.04	2375.32	2969.59	4091.07	5716.68
502.29	1031.61	1302.73	1731.79	2378.08	3049.87	4105.12	5845.19
514.29	1032.61	1320.72	1753.16	2382.38	3094.63	4124.05	5868.87
544.32	1033.43	1344.83	1811.86	2418.44	3112.28	4165.22	6051.06
557.12	1044.52	1351.62	1831.01	2428.47	3116.96	4171.66	6304.14
567.12	1046.60	1436.67	1859.07	2433.21	3153.80	4186.21	6342.68
576.26	1063.64	1446.84	1912.19	2435.49	3198.53	4263.17	6392.27
615.38	1078.51	1447.81	1915.15	2505.48	3256.95	4305.37	6455.97
636.28	1085.58	1466.80	1926.86	2521.48	3292.87	4453.43	6553.27
664.27	1102.63	1472.92	1952.13	2533.29	3329.52	4484.62	7338.35
677.33	1124.60	1485.78	1986.27	2534.43	3514.13	4533.44	7547.89
759.45	1146.22	1503.02	2014.88	2548.44	3553.80	4599.45	7864.84
770.46	1150.58	1503.79	2043.13	2549.58	3566.73	4694.50	7880.81
777.43	1155.65	1522.00	2054.22	2565.42	3571.67	4711.84	7963.70
858.56	1165.82	1528.91	2072.35	2571.42	3611.82	4797.23	8458.36
873.45	1210.82	1530.90	2106.00	2588.25	3627.23	4798.24	8456.20
874.45	1211.71	1537.98	2123.03	2607.32	3773.81	4841.61	8592.99
883.27	1215.75	1560.81	2148.18	2658.52	3839.84	4864.29	8612.44a
885.97	1216.70	1567.69	2172.23	2676.67	3852.05	4911.90	8694.54a
892.01	1226.45	1593.92	2241.43	2692.32	3865.86	4959.68	10194.99a
914.46	1227.64	1598.84	2257.44	2695.51	3873.14	5027.50	11696.54a
915.58	1228.82	1602.81	2264.37	2742.03	3900.88	5037.01	
955.52	1232.75	1628.83	2273.15	2758.08	3916.60	5080.68	
967.42	1236.69	1638.73	2311.34	2759.08	3926.85	5087.61	
976.04	1237.52	1646.82	2319.34	2796.64	3931.16	5096.88	
987.53	1260.75	1649.91	2320.35	2809.38	3942.87	5214.69	

Supplementary Table 2. Total list of *Urodacus yaschekoi* masses observed, [M] listed. Average masses shown with a proceeding 'a.'

402.27	670.96	963.44	1285.50	1602.77	2133.01	3039.60	4012.44	4515.41	6327.59
404.24	672.42	969.58	1297.98	1603.03	2144.22	3099.55	4035.41	4519.58	6329.59
407.23	706.44	971.52	1302.86	1606.17	2155.14	3107.31	4051.38	4520.28	6334.67
408.21	716.40	983.66	1303.69	1607.80	2173.91	3115.42	4065.62	4595.16	6460.01
428.34	718.39	991.49	1319.76	1649.58	2261.11	3134.54	4071.46	4638.84	6462.02
436.27	730.46	992.61	1322.59	1651.77	2262.19	3164.90	4078.45	4666.17	6535.68
443.31	760.46	1007.47	1324.56	1668.19	2280.13	3189.53	4082.92	4760.54	6560.00
446.25	770.52	1012.73	1334.89	1685.22	2310.59	3272.35	4083.93	4767.51	5305.91a
461.26	788.52	1019.63	1340.88	1697.78	2328.94	3295.95	4088.21	4779.67	5781.58a
462.84	789.54	1021.63	1355.77	1698.13	2334.12	3329.47	4090.91	4792.11	5971.99a
465.23	792.39	1031.63	1379.70	1714.79	2345.00	3347.50	4123.96	4796.04	6572.73

(Continued)

Supplementary Table 2. Continued

475.28	816.43	1032.50	1382.54	1730.91	2347.23	3411.52	4125.03	4866.24	6590.76
489.27	822.49	1038.58	1384.01	1738.74	2443.84	3424.64	4134.22	4610.04a	6651.70a
492.34	841.48	1076.58	1385.77	1743.78	2455.75	3440.59	4136.67	4964.19	6689.79
499.34	842.42	1078.47	1391.91	1744.20	2468.30	3495.76	4141.83	5051.30	7887.96a
502.33	844.55	1102.75	1395.73	1760.89	2473.00	3496.59	4145.44	5063.11	7893.35a
503.28	849.51	1117.77	1419.72	1764.81	2507.07	3526.96	4162.33	5064.12	7896.29
522.33	851.50	1119.80	1423.58	1796.80	2534.69	3602.66	4164.77	5086.68	7902.10a
528.33	855.53	1133.80	1432.08	1818.74	2539.34	3625.00	4223.01	5116.35	8348.99a
532.31	858.46	1134.74	1432.94	1826.88	2583.95	3645.00	4246.47	5188.77	8447.06a
545.32	860.59	1161.64	1442.06	1873.65	2609.05	3695.74	4263.74	5198.35	8474.33a
554.41	861.51	1165.59	1453.71	1914.85	2621.10	3696.69	4269.40	5220.37	8509.99a
559.35	867.58	1166.48	1474.71	1915.31	2626.21	3716.67	4283.04	5257.85	8547.69a
560.34	871.42	1173.83	1476.72	1920.92	2673.24	3759.34	4309.04	5261.42	8572.39a
574.36	886.64	1177.75	1482.85	1941.42	2713.42	3766.77	4310.17	5336.78	8595.62
591.03	890.54	1185.83	1487.63	1947.99	2724.38	3834.76	4351.87	5378.38	8602.31a
593.35	891.91	1188.82	1489.96	1955.45	2739.41	3853.90	4363.90	5398.88	
601.37	892.59	1193.84	1518.44	1973.86	2799.25	3880.64	4364.48	5407.79	
615.41	906.64	1207.82	1522.71	1987.14	2841.47	3899.71	4379.89	5440.41	
630.39	916.65	1210.59	1540.88	2060.79	2925.14	3924.92	4408.11	5541.37	
631.39	922.53	1222.82	1571.81	2067.06	2940.56	3951.83	4409.10	5647.42	
634.40	930.48	1225.66	1574.49	2078.21	2958.28	3965.37	4422.49	5764.98	
635.42	945.52	1239.85	1586.09	2099.92	2959.07	3979.78	4432.56	5808.51	
645.40	952.40	1256.57	1592.07	2100.40	2983.26	3980.31	4434.60	5838.56	
647.36	958.63	1278.62	1592.95	2126.08	2984.24	4009.36	4477.24	5938.45	

Supplementary Table 3. Total list of *Urodacus armatus* masses observed, [M] listed. Average masses shown with a preceding 'a.'

293.23	631.35	1053.72	1454.69	2302.65	3407.56	4263.35	4866.31	6607.34
403.28	645.36	1120.51	1463.69	2340.19	3439.53	4327.10	4925.85	6591.34
436.25	647.32	1155.69	1515.67	2385.05	3442.97	4327.52	5035a	7887.80a
444.31	673.99	1171.70	1542.73	2526.15	3470.99	4397.13	5051.37	7896.35
461.24	745.37	1173.72	1550.66	2558.23	3545.94	4398.58	5052.10	7920.66
465.21	789.34	1177.64	1602.92	2619.16	3624.65	4433.13	5054.85	8548a
492.32	828.24	1210.81	1661.83	2626.13	3729.29	4449.13	5198.29	8463.71
502.30	844.50	1216.51	1735.49	2629.27	3758.08	4450.51	5261.98	8472.93
512.02	845.47	1217.63	1753.82	2724.34	3892.05	4466.25	5262.49	8473.57
522.30	860.52	1225.64	1765.89	2924.40	3935.34	4480a	5398.99	8552.70
532.28	884.56	1233.63	1809.85	2958.17	3965.24	4500a	5468.04	8600.84
545.50	916.42	1279.92	1873.07	2976.23	3979.93	4542.42	5801.09	8651.42
555.39	982.38	1286.62	1936.97	2983.05	4009.95	4595.69	5999a	
559.25	1001.55	1340.77	1973.77	2985.08	4082.73	4608.23	6329.15	
572.97	1021.39	1419.67	1984.00	2986.45	4165.27	4618.17	6460.24	
574.33	1021.54	1434.71	2039.98	3003.38	3297.15a	4633.24	6398a	
597.78	1027.44	1435.39	2207.01	3099.54	3485a	4767.90	6579a	
602.32	1027.62	1448.66	2261.13	3192.48	4165.40	4815.48	6595.8a	
615.38	1028.62	1450.61	2280.03	3329.51	4429a	4815.57	6463.44	

Supplementary Table 4. Total list of *Lychas marmoreus obscurus* masses observed, [M] listed. Average masses shown with a proceeding 'a.'

840.11	1180.38	1493.68	1798.02	2131.95	2679.35	3597.94	4400.94	7379.00a
876.08	1184.61	1495.62	1801.80	2136.81	2687.34	3612.34	4530.67	7417.19
567.13	1186.49	1502.76	1803.69	2155.15	2710.01	3622.77	4579.84	7439.34
689.48	1187.66	1511.71	1822.88	2200.81	2716.14	3623.64	4580.17	7445.80a
922.46	1194.50	1521.62	1836.93	2249.88	2727.46	3639.65	4602.28	7456.22
591.09	1199.57	1525.76	1839.79	2251.18	2741.96	3862.44	4635.87	7497.89
840.08	1216.51	1526.54	1843.64	2262.23	2742.24	3888.62	4868.46	7516.14
993.16	1224.05	1538.42	1862.83	2280.80	2783.31	3889.48	5010.00	7521.47
827.51	1225.36	1542.50	1869.04	2295.95	2784.36	3906.62	5079.09	7546.05
976.54	1230.73	1546.73	1883.03	2320.09	2870.56	3945.49	5081.41	7547.05a
968.57	1241.27	1547.95	1887.09	2327.87	3126.69	3962.87	5082.04	7596.42
1015.56	1242.61	1550.64	1914.93	2331.87	3180.80	3980.99	5287.09	7626.00a
1016.59	1243.50	1568.55	1916.96	2344.89	3187.54	3991.84	5374.18	7672.40
1019.41	1251.66	1574.68	1917.85	2364.23	3203.53	3992.97	6070.14	7674.00a
1020.46	1257.60	1585.46	1922.90	2366.99	3204.56	3993.87	6185.36	7686.13
1022.50	1258.68	1596.66	1923.90	2368.12	3231.54	4003.56	6241.67	7691.14a
1030.45	1287.30	1603.73	1935.75	2378.08	3232.12	4074.23	6402.59	7756.03a
1044.48	1294.49	1609.80	1938.99	2404.23	3245.50	4078.94	6441.56	7767.29a
1057.35	1300.89	1614.68	1944.95	2405.97	3251.12	4079.79	6442.87	7809.47
1062.47	1305.60	1617.56	1945.09	2421.90	3262.16	4113.79	6620.14	7813.10a
1065.42	1317.74	1622.68	1962.05	2442.28	3315.64	4115.16	6652.19	7825.52
1069.39	1318.72	1630.87	2000.07	2462.32	3331.89	4122.75	6736.56	7842.45
1073.50	1329.62	1635.81	2003.68	2468.25	3360.23	4128.74	6816.00	7846.22a
1079.44	1339.57	1639.66	2016.05	2482.08	3361.27	4148.08	6832.03	7850.92a
1080.94	1342.58	1651.67	2019.81	2483.32	3373.64	4150.02	7028.11	7870.08a
1086.61	1354.82	1653.64	2023.07	2485.97	3378.56	4153.80	7050.20	7879.10
1090.53	1355.62	1658.57	2025.80	2491.29	3393.47	4157.99	7050.81	7898.05
1091.59	1359.56	1660.88	2038.69	2507.92	3397.72	4159.68	7055.36a	7980.93a
1108.61	1371.35	1667.82	2042.07	2511.28	3401.56	4164.99	7143.16	8101.60
1115.46	1374.78	1677.75	2045.83	2525.26	3413.17	4170.86	7152.07	8344.85a
1120.43	1386.77	1689.75	2063.87	2530.16	3446.44	4173.13	7152.85	8360.84a
1124.66	1396.51	1694.86	2065.96	2565.19	3477.55	4201.82	7156.13	8441.15a
1130.59	1398.63	1697.65	2072.98	2570.16	3494.56	4215.69	7170.88	8528a
1136.48	1415.74	1699.81	2084.94	2583.95	3495.53	4219.84	7172.19	8549a
1137.49	1423.70	1703.68	2091.09	2587.27	3511.56	4223.59	7235.88	15032.86a
1139.69	1427.56	1704.79	2092.31	2588.34	3524.61	4224.92	7241.45a	
1152.42	1428.46	1706.85	2101.72	2614.37	3549.46	4231.82	7259.90a	
1161.87	1436.47	1711.00	2106.12	2621.98	3550.54	4253.55	7291.93	
1170.62	1468.66	1724.91	2108.14	2644.37	3572.62	4253.81	7296.44a	
1173.49	1482.81	1760.86	2115.01	2645.31	3580.52	4351.60	7334.97	
1174.54	1488.60	1781.73	2117.70	2651.96	3584.45	4352.00	7375.20	

Supplementary Table 5. Total list of *Opisthacanthus glabrifrons* masses observed, [M] listed. Average masses shown with a proceeding 'a.'

354.50	1218.60	1552.02	2431.74	3002a	3361.60	3953.66	4775a	6051a
371.14	1222.82	1557.70	2513.20	3016.44	3391.92	3977.44	4784a	6428a
408.49	1228.89	1563.08	2546.90	3021.95	3443.60	3999.72	4817.22	7819a
409.25	1237.84	1602.70	2558.42	3054.08	3458.85	4053.00	4844a	7922.07a
444.16	1255.90	1619.08	2567.20	3058.57	3495.18	4056.78	4855.29	8047.79a
461.28	1260.60	1621.70	2577.94	3067.73	3540.89a	4064.73	4866.68	8059a

(Continued)

Supplementary Table 5. Continued

503.29	1290.70	1626.80	2586.20	3068.10	3570a	4120a	4868.38	8210a
518.18	1316.91	1640.80	2590.62	3068.50	3581a	4132.94	4871.20a	8479.21a
522.34	1344.97	1673.01	2594.79	3075.52	3590a	4134.70	4933a	8481.03a
528.32	1380.60	1688.80	2606.74	3078.74	3595.95	4135.51	5028.40	8492a
535.22	1397.60	1775.30	2611.34	3081.58	3618a	4161a	5042.73	8494.85a
545.32	1401.70	1801.90	2640.20	3086.90	3636.00	4188.06	5068.49	8567.47a
549.38	1403.80	1821.25	2643.56	3088.55	3653.59	4215a	5076a	9019.57
609.25	1407.88	1923.90	2658.30	3089.68	3659.04	4239.14	5124.76	9024.22a
775.52	1408.88	1933.37	2678.00	3091.58	3664.23	4258.64	5131.39	9041a
783.67	1427.00	1941.90	2698.20	3099.40	3705.90	4272a	5137.22	11670a
802.54	1427.70	1955.00	2706.48	3134.53	3742.55	4295.14	5182.49	11843a
816.54	1429.03	1958.49	2714.57	3150.09	3767.06	4310.55	5196.91	12375a
836.40	1450.01	2016.00	2745.20	3153.48	3770.30	4452.61	5197.66	12213a
925.60	1453.01	2078.29	2752.70	3175.50	3777.26	4511.51	5213.85	13861.60a
949.50	1461.81	2136.59	2768.38	3190a	3783.21	4525.35	5257.50	14026.67a
1021.71	1471.80	2228.20	2800.83	3200a	3815.68	4543a	5271.79	
1085.77	1473.05	2245.42	2826.71	3236.66	3857.99	4577.16	5330a	
1094.70	1474.80	2264.34	2839.30	3254.77	3858.68	4583.55	5378.9a	
1105.60	1499.02	2290.34	2852.86	3275a	3859.21	4592.05a	5391a	
1116.77	1515.10	2317.80	2859.21	3293a	3870.97	4644.24	5442.56	
1117.74	1529.05	2321.41	2868.85	3340.30	3874.63	4657.57	5481.71	
1190.80	1531.04	2362.52	2874.86	3341.51	3880.50	4675.66	5671a	
1193.80	1536.03	2373.36	2882.87	3343.84	3909.08	4692.00	5747.39a	
1203.81	1545.11	2389.41	2999.40	3351.66	3914.22	4721a	5845.90	

Supplementary Table 6. Total list of *Pandinus imperator* masses observed, [M] listed. Average masses shown with a preceding 'a.'

635.44	1466.17	1831.35	2615.40	3115.49	3336.52	3756.74	5100.50	8898.10a
1039.82	1490.07	1858.10	2632.30	3124.69	3384.67	3828.90	5326.31	8912.75a
1085.81	1497.04	1918.39	2685.50	3140.26	3390.84	3832.52	6276.19a	9066.41a
1152.91	1511.80	1992.10	2825.91	3150.30	3476.93	3902.45	6346.61a	12437.72a
1177.81	1529.05	2001.00	2882.20	3178.60	3477.80	4031.75	6581.51	
1207.83	1538.13	2109.80	2909.95	3193.45	3480.62	4156.28a	6585.96	
1264.85	1546.15	2208.90	2925.40	3204.30	3497.65a	4161.51	6597.44	
1320.93	1567.90	2214.48	2938.10	3205.30	3505.38	4175.62	6598.41	
1333.91	1571.15	2248.53	2965.60	3214.81	3547.68	4178.80	7859.84a	
1353.08	1581.80	2273.30	2977.98	3234.52	3550.63	4279.78	8160.36a	
1385.99	1606.08	2426.40	2978.83	3239.64	3565.86	4280.42	8186.65a	
1403.03	1684.26	2464.64	3000.00	3240.14	3641.70	4421.56	8349.32a	
1424.80	1694.25	2485.40	3030.48	3299.28	3675.92a	4797.37	8352.22a	
1433.04	1738.18	2525.38	3079.39	3331.25	3721.43	4860.97	8396.42a	
1450.01	1748.10	2578.30	3099.58	3331.77	3745.10	5098.55	8883.54a	

Supplementary Table 7. Total list of *Vaejovis spinigerus* masses observed, [M] listed. Average masses shown with a proceeding 'a.'

351.19	783.50	1225.70	1618.06	2237.58	2712.40	3556.7a	4155.72	4728.12	7811.46a
401.27	784.56	1236.95	1632.09	2245.50	2728.40	3637.23	4156.10	4743.17	7829a
422.26	829.57	1248.97	1661.04	2249.49	2739a	3645.30	4162.52	4832.41	7941a
430.28	838.49	1264.74	1666.27	2253.50	2751.84	3646.01	4188.21	4850.93	7977.60
431.26	847.51	1265.71	1669.90	2266.30	2756.68	3658a	4189.71	4912.73	7983.38a
432.25	849.63	1278.89	1676.36	2277.46	2774.68	3669.30	4192.73	4937a	8087a
460.30	861.66	1285.86	1692.25	2295.80	2792.66	3669.59	4196.18	4972.64	8129a
471.36	886.64	1292.77	1725.20	2301.87	2794.10	3670.00	4196.63	4989.71	8273.77a
488.31	900.44	1293.96	1740.21	2312.68	2800.84	3671.66	4203.74	4990.47	8782.45a
513.41	905.53	1304.82	1746.14	2343.82	2811.72	3672.30	4204.55	5008a	8287.57
528.35	911.66	1304.92	1751.14	2373.41	2814.18	3673.03	4205.06	5046.38	9065.66a
529.37	918.56	1309.71	1764.16	2423.74	2944.94	3703.30	4205.70	5047.71	9082.55a
531.34	919.67	1310.60	1777.90	2440.80	2962.96	3704.02	4205.71	5058.30	9115a
532.33	971.49	1349.84	1783.80	2441.73	2997.84	3712.72	4208.09	5153.71a	13690a
544.36	974.71	1353.07	1860.46	2478.91	3028.59	3732.40	4212.51	5166.34	11248a
556.32	975.64	1362.96	1865.29	2493.60	3076.89	3733.18	4223.58	5179.69	11925a
559.38	977.16	1373.93	1867.20	2512.79	3078.32	3756.95	4257.78	5223a	14203.35a
586.40	980.50	1375.03	1880.20	2525.37	3094.32	3797.70	4258.60	5262.33	15105.37a
589.37	991.64	1389.06	1881.19	2530.87	3099.60	3801.88	4265.65	5461.51	15413.58a
601.41	1022.50	1397.70	1886.38	2540.84	3107.57	3817.38	4276.28	5574.63	
603.37	1029.51	1407.06	1896.24	2560.95	3140.01	3821.92	4325.73	5592a	
619.29	1033.67	1421.10	1902.90	2564.91	3220.39	3831.32	4343.77	5646.68	
624.42	1062.67	1422.95	1905.35	2565.71	3283.93	3851.66	4347a	5784a	
632.36	1068.60	1425.89	1934.13	2592.79	3300.43	3854.80	4356.99	5799.99	
639.43	1068.81	1428.80	1943.34	2614.13	3342.38	3879.33	4381.66	5801.58	
644.30	1083.72	1432.90	1959.54	2619.10	3353.35	3909.65	4385.92	5875.58	
648.47	1104.71	1438.13	1960.55	2621.10	3366.82	3920.99	4391.00	5890a	
657.44	1110.73	1439.09	2049.47	2632.98	3385.31	3923.51	4412a	6036a	
659.46	1114.50	1444.88	2068.44	2633.40	3394.48	3937.85	4443.02a	6189.96	
669.41	1131.83	1486.84	2090.66	2640.86	3402a	3953.31	4464.19	6288a	
678.90	1138.73	1518.80	2106.20	2641.30	3410.50	3955.54	4483a	6413.39	
680.90	1148.85	1521.08	2153.68	2653.84	3435a	3972a	4506.41	6409.87a	
696.90	1157.84	1528.80	2177.52	2657.97	3445.30	3992.74	4513.08	6527.8a	
714.51	1160.87	1532.02	2196.51	2679.93	3472.63	4003.29	4541.77	6529.63	
732.55	1174.78	1536.95	2203.57	2691.64	3480.50	4093.63	4551a	6541.8a	
747.55	1175.89	1552.20	2222.63	2692.03	3538.40	4125.60	4590.58	7183.24	
760.48	1206.60	1584.95	2224.00	2693.78	3541.47	4131.65	4591.55	7297a	
772.55	1210.81	1595.28	2230.47	2698.94	3544.86	4149.95	4611.39	7354a	
773.53	1222.92	1612.13	2237.10	2707.65	3545.73	4151.63	4657.10	7801.58a	