Supplemental Tables

Table 1. Mensural data from the type series of *Heligmomerus australis* sp. nov. Measurements are in mm, abbreviations are given in Materials and Methods.

Type	Holotype	Paratypes								
Museum number	NRC-AA-1198	NRC-AA-1199	NRC-AA-1200	NRC-AA-1201	NRC-AA-1202	NRC-AA-1203	BNHS SP 402	BNHS SP 403	BNHS SP 404	BNHS SP 405
TL	28.74	27.44	23.19	21.73	20.30*	25.36	29.46	28.67	26.69	26.46
ALE	0.67	0.68	0.56	0.55	0.64	0.61	0.71	0.74	0.59	0.58
AME	0.40	0.39	0.33	0.39	0.40	0.40	0.39	0.39	0.36	0.40
PLE	0.41	0.45	0.47	0.45	0.51	0.46	0.51	0.48	0.51	0.37
PME	0.48	0.48	0.47	0.43	0.50	0.41	0.53	0.50	0.48	0.49
ALE-ALE	0.21	0.23	0.15	0.27	0.11	0.19	0.36	0.20	0.19	0.19
ALE-PLE	1.63	1.56	1.43	1.53	1.44	1.45	1.65	1.44	1.48	1.54
ALE-AME	1.21	1.17	1.08	1.08	1.13	1.08	1.40	1.18	1.12	1.14
AME-AME	0.34	0.35	0.31	0.30	0.35	0.33	0.36	0.32	0.35	0.30
AME-PLE	0.58	0.55	0.52	0.49	0.55	0.56	0.67	0.57	0.56	0.56
AME-PME	0.19	0.16	0.16	0.22	0.24	0.18	0.24	0.28	0.26	0.22
PLE-PME	0.41	0.39	0.27	0.29	0.28	0.33	0.43	0.35	0.33	0.30
PME-PME	0.50	0.50	0.45	0.49	0.49	0.52	0.58	0.53	0.57	0.51
MOQ W (front)	1.00	1.07	0.95	0.92	1.03	0.99	1.06	1.07	1.02	1.03
MOQ W (back)	1.11	1.12	1.02	1.01	1.15	1.08	1.20	1.20	1.14	1.07
MOQ L	1.05	1.03	0.94	0.97	1.10	0.98	1.06	1.12	1.02	1.01
Og L/W	2.60/2.19	2.54/2.22	2.33/1.95	2.39/1.96	2.50/2.08	2.41/2.07	2.82/2.46	2.62/2.20	2.51/2.25	2.47/2.20
Ca L/W	12.30/10.49	12.09/10.17	10.44/8.84	10.70/8.69	11.11/9.44	11.23/9.55	13.30/11.01	12.64/10.65	11.84/10.22	11.44/9.52
Mx L/W	4.71/2.86	4.41/2.52	3.98/2.25	3.92/2.21	4.37/2.43	4.09/2.60	4.73/2.85	4.85/2.85	4.45/2.70	4.51/2.55
Lb L/W	2.14/2.88	2.15/2.87	1.69/2.38	1.73/2.47	1.86/2.50	1.98/2.80	2.24/3.16	2.40/3.12	2.15/2.85	1.98/2.72
Ch L/W	5.65/2.73	6.08/2.70	6.09/2.45	5.09/2.06	5.61/2.25	6.39/2.55	7.36/2.76	7.31/2.83	6.86/2.62	5.97/2.80
St L/W	7.13/6.47	6.92/6.44	6.03/5.49	5.84/5.62	6.75/5.77	6.58/6.17	7.46/7.00	7.31/6.75	6.82/6.60	6.62/6.24
Ab L/W	16.44/11.98	15.35/13.15	12.75/9.21	11.03/8.24	9.19*/9.74	14.13/11.01	16.16/12.47	16.03/12.74	14.85/10.37	15.02/11.02
Fe palp L/W	6.48/1.45	6.73/1.38	5.79/1.09	5.50/1.08	5.69/1.18	6.12/1.31	6.54/1.54	6.87/1.51	6.60/1.48	6.67/1.40
Pa palp L/W	3.97/1.86	4.12/1.89	3.42/1.51	3.40/1.62	3.71/1.62	3.69/1.63	3.87/1.86	3.95/1.85	3.92/1.75	3.78/1.79
Ti palp L/W	4.47/1.91	4.44/2.00	3.99/1.60	3.60/1.64	4.08/1.88	4.24/1.53	4.58/2.03	4.59/1.91	4.42/1.89	4.32/1.81
Ta palp L/W	4.26/1.33	4.10/1.33	3.86/1.13	3.86/1.27	4.19/1.37	3.95/1.23	4.38/1.39	4.30/1.30	4.27/1.40	4.07/1.35
Palp TL	19.18	19.39	17.06	16.36	17.67	18.00	19.37	19.71	19.21	18.84
Cx I L/W	4.29/2.38	4.38/2.22	3.56/1.75	3.56/1.86	3.97/2.13	4.01/2.19	4.25/2.15	4.40/2.20	4.19/2.22	3.91/2.15
Fe I L/W	6.79/1.85	7.05/1.66	6.14/1.57	6.09/1.50	6.41/1.60	6.63/1.51	6.71/1.93	7.32/1.85	7.16/1.81	6.69/1.57

Pa I L/W	4.65/1.83	4.61/2.04	3.84/1.64	3.84/1.56	4.26/1.67	4.29/1.62	4.55/2.06	4.62/2.15	4.44/2.04	4.35/1.80
Ti I L/W	4.67/2.06	4.51/2.06	3.87/1.75	3.93/1.64	4.22/1.94	4.19/1.80	4.84/2.25	4.82/2.13	4.53/2.07	4.21/1.68
Mt I L/W	3.65/1.56	3.71/1.65	3.00/1.35	2.96/1.37	3.35/1.46	3.28/1.42	3.64/1.69	3.60/1.67	3.37/2.56	3.25/1.35
Ta I L/W	1.18/0.95	1.32/1.01	1.27/0.88	1.12/0.92	1.42/1.08	1.35/1.82	1.24/1.04	1.16/1.04	1.18/0.98	1.22/0.98
Leg I TL	20.94	21.20	18.12	17.94	19.66	19.74	20.98	21.52	20.68	19.72
Cx II L/W	3.68/2.51	3.79/2.52	3.15/2.00	3.13/1.76	3.36/2.25	3.45/2.73	3.82/2.71	3.71/2.80	3.52/2.46	3.43/2.51
Fe II L/W	5.92/1.93	6.35/1.92	5.54/1.76	5.21/1.65	5.50/1.78	5.80/1.69	6.44/1.97	6.30/2.00	6.29/1.83	5.92/1.80
Pa II L/W	4.15/1.91	4.23/2.03	3.55/1.66	3.55/1.65	3.88/1.77	3.85/1.66	4.12/2.09	4.12/2.01	4.01/1.98	3.99/1.80
Ti II L/W	3.78/2.05	3.83/2.08	3.18/1.50	3.00/1.57	3.49/1.88	3.42/1.63	3.89/2.21	4.00/2.04	3.65/1.85	3.43/1.81
Mt II L/W	3.40/1.36	3.37/1.47	2.85/1.19	2.68/1.23	3.15/1.44	3.12/1.23	3.38/1.55	3.40/1.58	3.25/1.26	3.18/1.35
Ta II L/W	1.35/0.92	1.35/0.89	1.48/0.80	1.48/1.25	1.34/0.99	1.50/0.87	1.41/1.03	1.38/1.05	1.43/0.90	1.38/0.93
Leg II TL	18.60	19.13	16.60	15.92	17.36	17.69	19.24	19.20	18.63	17.90
Cx III L/W	4.15/2.84	4.08/2.89	3.37/2.14	3.46/2.15	4.05/2.60	3.78/2.59	3.90/3.37	4.25/2.77	3.77/2.67	3.82/2.39
Fe III L/W	5.23/3.62	5.44/3.60	4.50/2.89	4.43/2.89	4.69/3.11	4.88/3.26	5.65/3.69	5.62/3.50	5.40/3.43	4.96/3.22
Pa III L/W	4.70/2.51	4.77/2.71	3.90/2.29	3.99/2.12	4.45/2.32	4.33/2.30	4.98/2.80	4.85/2.80	4.63/2.57	4.42/1.40
Ti III L/W	2.97/2.51	2.93/2.61	2.47/2.09	2.35/2.01	2.70/2.28	2.44/2.26	3.18/1.52	3.26/2.42	2.60/2.52	2.55/2.11
Mt III L/W	4.09/1.32	4.20/1.36	3.38/2.10	3.35/1.11	3.87/1.13	3.76/1.21	4.23/1.39	4.50/1.42	4.02/1.14	4.09/1.17
Ta III L/W	2.53/0.79	2.72/0.87	2.45/0.76	2.02/0.69	2.40/0.79	2.52/0.67	2.63/0.86	2.52/0.93	2.45/0.80	2.39/0.80
Leg III TL	19.52	20.06	16.70	16.14	18.11	17.93	20.67	20.75	19.10	18.41
Cx IV L/W	4.57/3.09	4.64/3.13	3.91/2.32	3.96/2.39	4.25/2.85	4.11/2.92	4.73/3.20	4.89/3.27	4.44/2.95	4.22/2.94
Fe IV L/W	7.21/2.70	7.42/2.85	6.22/2.36	6.05/2.01	6.45/2.38	7.03/2.57	7.60/2.88	7.42/2.60	6.96/2.73	6.91/2.54
Pa IV L/W	5.48/2.55	5.55/2.80	4.50/2.16	4.52/2.25	5.13/2.57	5.11/2.28	5.73/2.86	5.47/2.85	5.13/2.77	5.13/2.51
Ti IV L/W	5.47/2.08	5.59/2.18	4.56/1.93	4.50/1.91	5.08/2.25	5.03/2.02	5.74/2.47	5.55/2.28	5.22/2.22	5.16/2.03
Mt IV L	5.79/1.16	5.89/1.14	4.90/0.98	4.59/0.96	4.91/1.26	5.25/1.06	5.61/1.17	5.74/1.91	5.51/1.13	5.37/1.04
Ta IV L	2.51/1.02	2.65/1.06	2.30/0.90	2.21/0.88	2.36/1.00	2.51/0.86	2.56/1.11	2.72/0.93	2.57/0.92	2.31/0.96
Leg IV TL	26.46	27.10	22.48	21.87	23.93	24.93	27.24	26.90	25.39	24.88
Leg formula	4132	4132	4132	4132	4132	4132	4132	4132	4132	4132

Table 2. Meristic data from the type series of *Heligmomerus australis* sp. nov.; abbreviations are given in the Materials and Methods except L&R=left & right, and A=absent.

Type	Holotype	Paratypes								
Museum number	NRC-AA-1198	NRC-AA-1199	NRC-AA-1200	NRC-AA-1201	NRC-AA-1202	NRC-AA-1203	BNHS SP 402	BNHS SP 403	BNHS SP 404	BNHS SP 405
Lb cuspules (anterior row)	12 (5)	11 (6)	10 (5)	8 (5)	10 (4)	11 (5)	12 (4)	18 (5)	20 (7)	8 (4)
Ra spines (L&R)	44&44	35&37	43&46	42&43	35&36	35&39	42&44	47&54	50&42	44&40
Cx II spinules (L&R)	9&6	5&6	5&9	14&5*	9&8	10&10	22&24	10&8	5&3	9&8
Cx IV spinules (L&R)	17&24	17&10	12&18	15&12	19&19	1&3	30&25	1&2	2&2	7&2
Ti palp spinules (L&R)	17&18	20&18	17&16	15&17	16&15	20&16	19&16	16&17	17&12	15&16
Ti I spinules (L&R)	56&62	69&75	48&52	*&59	63&62	56&51	54&50	62&62	56&27	57&50
Mt I spinules (L&R)	3&2	3&1	A&1	*&3	1&1	2&1	A&1	1&2	1&1	2&1
Ti II spinules (L&R)	82&79	98&92	79&*	78&77	84&83	69&75	77&83	95&102	80&73	69&68
Mt II spinules (L&R)	3&1	4&2	3&*	6&4	6&6	5&6	4&4	1&6	A&1	5&4
Fe palp p spines (L&R)	2&2	2&2	2&2	2&3	2&2	2&2	2&2	2&2	2&2	3&2
Pa palp p spines (L&R)	1&1	A&A	1&A	1&1	1&1	1&1	1&1	1&1	1&1	1&A
Ti palp p spines (L&R)	37&33	30&30	26&26	32&35	35&34	31&30	39&37	30&27	36&40	36&31
Ti palp r spines (L&R)	43&40	42&34	28&256	39&40	38&42	32&31	50&51	39&41	43&42	36&44
Ta palp p spines (L&R)	36&35	32&36	29&28	38&38	37&37	33&36	47&41	35&35	44&42	39&37
Ta palp r spines (L&R)	38&40	41&39	33&25	42&41	39&43	37&34	46&51	38&35	42&42	38&40
Ta palp v spines (L&R)	3&4	4&4	3&4	3&3	4&4	4&4	3&5	3&3	4&4	5&5
Ti I p spines (L&R)	29&31	28&28	26&23	*&33	26&23	32&30	37&40	33&30	35&31	25&24
Ti I r spines (L&R)	45&46	37&37	31&34	*&38	42&43	35&39	56&53	38&41	44&39	38&38
Mt I p spines (L&R)	30&30	27&36	25&26	*&29	28&30	28&33	35&40	33&30	34&31	32&32
Mt I r spines (L&R)	39&38	37&32	31&33	*&39	38&40	33&30	47&51	41&39	43&43	38&37
Ta I p spines (L&R)	9&9	9&8	8&9	*&8	9&10	9&9	9&8	10&9	9&9	11&8
Ta I r spines (L&R)	10&9	10&8	7&7	*&11	9&9	8&9	10&10	10&9	9&11	9&9
Ta I v spines (L&R)	4&3	3&3	2&3	*&3	3&4	3&3	2&2	4&4	2&3	4&3
Ti II p spines (L&R)	19&19	15&13	14&*	13&15	17&15	17&14	25&21	18&19	21&20	19&16
Ti II r spines (L&R)	24&19	15&12	4&*	12&12	11&13	9&9	30&27	9&10	23&22	12&13
Ti II v spines (L&R)	5&5	5&4	4&*	4&3	5&5	4&4	3&4	4&4	3&3	4&4
Mt II p spines (L&R)	30&28	29&30	27&*	29&33	29&30	27&30	37&35	30&33	38&25	32&27
Mt II r spines (L&R)	27&24	27&29	18&*	27&27	22&25	19&23	34&33	28&25	35&32	29&25
Ta II p spines (L&R)	12&12	11&11	9&*	13&11	13&10	10&12	14&17	12&12	12&12	11&12
Ta II r spines (L&R)	6&5	5&5	3&*	5&5	4&6	5&5	5&4	4&4	5&4	4&5
Ta II v spines (L&R)	3&3	3&2	3&*	3&3	3&4	3&3	1&1	3&3	5&3	4&4
Pa III p spines (L&R)	21&18	15&19	16&16	19&17	18&19	18&15	19&17	21&18	21&22	19&21

Pa III r spines (L&R)	5&6	4&4	4&5	4&5	7&8	4&4	3&4	5&3	6&6	8&5
Ti III p spines (L&R)	10&9	11&9	6&9	11&11	10&11	8&8	13&10	8&11	11&9	12&10
Ti III r spines (L&R)	10&12	10&10	6&8	13&12	12&11	10&7	14&11	11&9	11&11	10&11
Mt III p spines (L&R)	12&13	17&17	16&18	16&19	15&17	12&13	16&14	14&18	19&19	18&18
Mt III r spines (L&R)	11&11	15&15	13&12	16&15	13&12	11&10	12&14	13&14	17&13	14&17
Mt III v spines (L&R)	5&5	5&4	4&4	5&3	4&4	4&4	3&4	4&4	5&5	5&4
Ta III v spines (L&R)	9&8	7&11	6&4	16&15	7&7	6&6	8&8	11&11	11&11	12&9
Pa IV p spines (L&R)	38&45	44&50	33&29	38&41	*&19	30&36	41&40	35&40	42&42	36&36
Mt IV v spines (L&R)	9&9	11&8	11&9	18&15	*&7	9&8	13&11	9&10	11&13	9&9
Ta IV v spines (L&R)	23&24	27&32	24&24	34&35	*&28	25&23	35&31	32&33	31&32	28&29
Ti palp trichobothria (L&R)	10&9	11&10	7&7	9&8	8&10	9&9	9&9	10&10	8&9	9&11
Ta Palp trichobothria (L&R)	10&13	15&16	13&13	13&14	14&14	12&12	14&13	17&16	14&14	14&17
Ti I trichobothria (L&R)	14&11	11&13	12&12	*&11	12&11	12&11	15&14	12&13	11&9	12&11
Mt I trichobothria (L&R)	14&17	16&14	15&14	*&16	15&16	14&15	18&18	21&19	16&12	17&16
Ta I trichobothria (L&R)	25&27	30&25	23&23	*&26	25&23	22&22	31&28	30&28	26&24	25&26
Ti II trichobothria (L&R)	14&13	14&15	12&*	14&13	13&15	15&13	15&15	14&14	10&13	10&13
Mt II trichobothria (L&R)	16&14	14&16	16&*	15&17	17&17	14&14	20&21	18&20	17&18	17&16
Ta II trichobothria (L&R)	30&30	31&32	27&*	28&29	24&25	27&25	32&32	30&28	29&26	31&27
Ti III trichobothria (L&R)	17&17	19&18	18&17	18&22	19&17	18&20	25&20	22&21	19&19	18&17
Mt III trichobothria (L&R)	14&14	11&11	11&12	15&13	12&12	12&13	15&14	20&20	13&14	14&11
Ta III trichobothria (L&R)	37&36	33*&42	35&33	38&37	36&36	33&32	39&39	41&40	40&37	37&36
Ti IV trichobothria (L&R)	17&16	16&17	15&15	18&19	17&19	17&16	20&21	13&16	18&18	18&18
Mt IV trichobothria (L&R)	12&11	12&12	11&11	13&12	13&15	13&13	13&13	15&17	13&12	14&14
Ta IV trichobothria (L&R)	18&16	20&21	15&16	18&18	16&19	18&16	27&28	25&28	19&19	19&20

Table 3. Superior tarsal claws dentation from the type series of *Heligmomerus australis* sp. nov.; abbreviations are listed in Materials and Methods except for An=anterior, Po=posterior, L&R=left & right; claw tooth: 0=absent, 1=present, 2=present with bifid dentation.

Type	Holotype	Paratypes								
Specimen number	NRC-AA-1198	NRC-AA-1199	NRC-AA-1200	NRC-AA-1201	NRC-AA-1202	NRC-AA-1203	BNHS SP 402	BNHS SP 403	BNHS SP 404	BNHS SP 405
Palp claw (L&R)	1&1	1&1	1&1	1&1	1&1	1&1	1&1	1&2	2&1	1&1
An claw I (L&R)	2&1	2&2	2&1	*&2	2&1	2&2	2&2	1&2	2&2	2&2
Po claw I (L&R)	2&2	2&2	2&2	*&1	2&2	2&2	2&2	2&2	1&2	2&2
An claw II (L&R)	1&2	1&*	1&1	2&2	2&2	1&2	2&2	1&2	1&2	2&1
Po claw II (L&R)	2&2	2&2	1&2	2&2	2&2	2&2	2&2	2&2	1&2	2&2
An claw III (L&R)	1&1	1&1	1&*	0&1	1&1	1&0	1&1	1&2	1&1	2&*
Po claw III (L&R)	2&2	1&1	1&2	2&2	2&2	1&1	1&2	2&1	1&1	2&2
An claw IV (L&R)	0&*	*&1	1&*	1&2	1&1	0&0	1&1	1&1	0&0	1&1
Po claw IV (L&R)	1&1	*&1	2&*	1&2	2&2	1&1	1&1	1&1	0&0	2&2