

Supplementary material

Analysing morphological variation of appendages and labrum in 10 species of *Heterocypris* Claus, 1893 (Podocopida : Cyprididae) with additional description of *Heterocypris exigua*

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Table S1. A list of used abbreviations.

Full named	Abbreviation
<i>Heterocypris barbara</i>	Hbar
<i>Heterocypris bosniaca</i>	Hbos
<i>Heterocypris erikae</i>	Heri
<i>Heterocypris exigua</i>	Hexi
<i>Heterocypris gevgelica</i>	Hgev
<i>Heterocypris incongruens</i>	Hinc
<i>Heterocypris reptans</i>	Hrep
<i>Heterocypris rotundata</i>	Hrot
<i>Heterocypris salina</i>	Hsal
<i>Heterocypris vitrea</i>	Hvit
The second antenna	A2
The maxillule	Mx
The second segment of the maxillular palp	Mx palp II
The walking leg	T2
The uropod	U
Canonical Variate Analysis	CVA
Discriminat analysis	DA
Centroid size	CS
Standard deviation	SD
Wounters organ	WO
Rome organ	RO

Table S2. Descriptive statistics of the measured continuous characters and calculated ratios. All measurements are given in micrometers (μm). F = females, M = males

All taxa	N	Mean \pm SD	Range (Min.–Max.)
A2 2l	252	176.071 \pm 32.387	94.210 – 265.040
A2 2d	252	62.477 \pm 12.511	34.260 – 101.670
A2 3l	252	132.299 \pm 28.231	67.820 – 211.450
A2 3d	252	42.939 \pm 7.594	18.770 – 62.570
A2 4l	252	41.896 \pm 9.211	21.390 – 68.910
A2 4d	252	18.536 \pm 3.250	10.640 – 28.890
A2 reference length1	252	308.905 \pm 57.394	168.832 – 484.472
A2 reference length2	252	176.607 \pm 31.556	98.212 – 273.022
A2 s1-5	252	370.277 \pm 115.052	90.690 – 641.641
A2 G1	252	159.679 \pm 54.942	35.905 – 275.081
A2 G2	252	127.064 \pm 26.894	54.449 – 190.607
A2 GM	252	134.711 \pm 23.614	72.142 – 206.852
Mx palp II l	252	32.237 \pm 7.029	11.740 – 47.990
Mx palp II d	252	18.849 \pm 2.511	13.610 – 28.160
T2 1l	252	102.976 \pm 14.723	68.810 – 141.880
T2 1d	252	59.907 \pm 10.235	34.890 – 85.680
T2 2l	252	72.849 \pm 10.744	48.230 – 101.190
T2 2d	252	44.351 \pm 7.447	26.210 – 62.660
T2 3l	252	64.031 \pm 9.013	44.780 – 88.300
T2 3d	252	41.005 \pm 7.280	24.140 – 85.640
T2 4l	252	18.768 \pm 3.403	11.970 – 29.710
T2 4d	252	23.992 \pm 3.645	15.470 – 33.780
T2 reference length	252	258.624 \pm 36.300	178.340 – 353.920
T2 h1	252	53.725 \pm 11.690	25.744 – 76.565
T2 h2	252	208.673 \pm 30.607	141.280 – 285.637
T2 h3	252	43.475 \pm 8.869	11.018 – 70.866
U l	252	251.287 \pm 36.838	159.000 – 371.120
U d	252	19.972 \pm 3.919	11.580 – 32.920
U Ga	252	163.238 \pm 26.410	95.525 – 263.529
U Gp	252	112.549 \pm 20.022	61.955 – 205.942
U Sa	252	61.118 \pm 12.147	24.911 – 88.630
U Sp	252	84.156 \pm 17.693	49.023 – 139.005
U Gp-Sp	252	26.935 \pm 6.630	9.890 – 48.140
A2 2d/l	252	0.355 \pm 0.032	0.297 – 0.450
A2 3d/l	252	0.329 \pm 0.036	0.155 – 0.433

A2 4d/l	252	0.450 ± 0.052	0.349 – 0.668
A2 s1-5/A2 reference length1	252	1.225 ± 0.408	0.306 – 2.333
A2 G1/A2 reference length1	252	0.509 ± 0.140	0.187 – 0.663
A2 G2/G1	252	1.018 ± 0.741	0.406 – 3.033
A2 G2/A2 reference length2	252	0.733 ± 0.174	0.414 – 1.169
Mx palp II d/l	252	0.624 ± 0.222	0.429 – 1.524
T2 1d/l	252	0.581 ± 0.052	0.466 – 0.726
T2 2d/l	252	0.608 ± 0.045	0.466 – 0.731
T2 3d/l	252	0.641 ± 0.080	0.500 – 1.495
T2 4d/l	252	1.291 ± 0.136	0.973 – 1.671
T2 h2/T2 reference length	252	0.811 ± 0.090	0.565 – 1.036
T2 h3/h1	252	0.846 ± 0.280	0.211 – 2.116
U d/l	252	0.079 ± 0.009	0.055 – 0.106
U Ga/UI	252	0.650 ± 0.051	0.497 – 0.864
U Gp/Ga	252	0.689 ± 0.039	0.538 – 0.864
U Sp/Sa	252	1.404 ± 0.277	0.752 – 2.634
U Gp-Sp/Ga	252	0.168 ± 0.047	0.071 – 0.344

All taxa F	N	Mean \pm SD	Range (Min.–Max.)
A2 2l	204	181.857 \pm 30.740	109.460 – 265.040
A2 2d	204	64.483 \pm 12.398	34.980 – 101.670
A2 3l	204	134.757 \pm 27.751	67.820 – 211.450
A2 3d	204	44.142 \pm 7.333	18.770 – 62.570
A2 4l	204	43.973 \pm 8.633	21.830 – 68.910
A2 4d	204	19.274 \pm 2.992	11.710 – 28.890
A2 reference length1	204	318.901 \pm 54.433	169.716 – 484.472
A2 reference length2	204	184.144 \pm 28.371	100.744 – 273.022
A2 s1-5	204	376.973 \pm 115.858	90.690 – 641.641
A2 G1	204	183.024 \pm 28.749	94.984 – 275.081
A2 G2	204	121.483 \pm 24.212	54.449 – 182.699
A2 GM	204	140.172 \pm 21.335	76.120 – 206.852
Mx palp II l	204	33.650 \pm 6.373	13.080 – 47.990
Mx palp II d	204	19.351 \pm 2.476	14.310 – 28.160
T2 1l	204	105.941 \pm 13.828	70.690 – 141.880
T2 1d	204	61.831 \pm 9.862	36.540 – 85.680
T2 2l	204	75.214 \pm 10.075	48.230 – 101.190
T2 2d	204	45.803 \pm 7.062	26.520 – 62.660
T2 3l	204	65.752 \pm 8.596	46.240 – 88.300
T2 3d	204	42.124 \pm 7.200	24.140 – 85.640
T2 4l	204	19.288 \pm 3.310	13.270 – 29.710
T2 4d	204	24.569 \pm 3.555	15.470 – 33.780
T2 reference length	204	266.196 \pm 34.136	185.830 – 353.920
T2 h1	204	54.721 \pm 11.712	25.744 – 76.565
T2 h2	204	215.542 \pm 27.523	143.892 – 285.637
T2 h3	204	43.685 \pm 8.615	11.018 – 70.866
U l	204	258.628 \pm 34.936	174.910 – 371.120
U d	204	20.722 \pm 3.747	11.580 – 32.920
U Ga	204	168.350 \pm 24.875	95.525 – 263.529
U Gp	204	116.140 \pm 19.210	61.955 – 205.942
U Sa	204	63.229 \pm 11.498	37.732 – 88.630
U Sp	204	87.848 \pm 17.167	51.552 – 139.005
U Gp-Sp	204	27.194 \pm 6.634	14.200 – 48.140
A2 2d/l	204	0.355 \pm 0.031	0.297 – 0.424
A2 3d/l	204	0.332 \pm 0.034	0.155 – 0.433

A2 4d/l	204	0.444 ± 0.050	0.349 – 0.668
A2 s1-5/A2 reference length1	204	1.197 ± 0.368	0.306 – 2.333
A2 G1/A2 reference length1	204	0.576 ± 0.031	0.502 – 0.663
A2 G2/G1	204	0.664 ± 0.092	0.406 – 0.902
A2 G2/A2 reference length2	204	0.660 ± 0.091	0.414 – 0.896
Mx palp II d/l	204	0.604 ± 0.195	0.429 – 1.524
T2 1d/l	204	0.584 ± 0.054	0.466 – 0.726
T2 2d/l	204	0.609 ± 0.045	0.466 – 0.731
T2 3d/l	204	0.642 ± 0.085	0.500 – 1.495
T2 4d/l	204	1.285 ± 0.131	0.973 – 1.632
T2 h2/T2 reference length	204	0.815 ± 0.092	0.565 – 1.036
T2 h3/h1	204	0.828 ± 0.238	0.211 – 2.100
U d/l	204	0.080 ± 0.009	0.055 – 0.103
U Ga/UI	204	0.651 ± 0.053	0.497 – 0.864
U Gp/Ga	204	0.689 ± 0.038	0.576 – 0.864
U Sp/Sa	204	1.411 ± 0.253	0.752 – 2.306
U Gp-Sp/Ga	204	0.164 ± 0.043	0.085 – 0.311
All taxa M	N	Mean ± SD	Range (Min.–Max.)
A2 2l	48	151.478 ± 27.515	94.210 – 199.830
A2 2d	48	53.950 ± 8.960	34.260 – 67.000
A2 3l	48	121.851 ± 28.146	68.370 – 172.360
A2 3d	48	37.829 ± 6.541	23.380 – 47.430
A2 4l	48	33.069 ± 5.733	21.390 – 41.720
A2 4d	48	15.401 ± 2.308	10.640 – 20.470
A2 reference length1	48	266.424 ± 50.178	168.832 – 347.874
A2 reference length2	48	144.573 ± 23.381	98.212 – 175.514
A2 s1-5	48	341.823 ± 108.136	97.489 – 452.993
A2 G1	48	60.461 ± 11.466	35.905 – 76.890
A2 G2	48	150.785 ± 24.918	98.742 – 190.607
A2 GM	48	111.504 ± 18.235	72.142 – 135.710
Mx palp II l	48	26.234 ± 6.550	11.740 – 35.350
Mx palp II d	48	16.714 ± 1.199	13.610 – 18.950
T2 1l	48	90.375 ± 11.465	68.810 – 113.190
T2 1d	48	51.728 ± 7.417	34.890 – 65.020
T2 2l	48	62.796 ± 7.113	49.290 – 80.190
T2 2d	48	38.183 ± 5.719	26.210 – 48.670

T2 3l	48	56.716 ± 6.865	44.780 – 71.930
T2 3d	48	36.251 ± 5.535	25.820 – 45.250
T2 4l	48	16.554 ± 2.891	11.970 – 22.830
T2 4d	48	21.539 ± 2.960	15.600 – 28.150
T2 reference length	48	226.441 ± 26.413	178.340 – 284.250
T2 h1	48	49.494 ± 10.711	27.425 – 66.494
T2 h2	48	179.480 ± 25.610	141.280 – 229.791
T2 h3	48	42.584 ± 9.925	18.826 – 64.341
U l	48	220.087 ± 27.340	159.000 – 269.550
U d	48	16.785 ± 2.921	11.880 – 24.900
U Ga	48	141.511 ± 21.374	96.867 – 171.955
U Gp	48	97.286 ± 15.910	65.901 – 122.406
U Sa	48	52.149 ± 10.747	24.911 – 72.804
U Sp	48	68.463 ± 9.395	49.023 – 82.541
U Gp-Sp	48	25.835 ± 6.567	9.890 – 37.960
A2 2d/l	48	0.359 ± 0.038	0.298 – 0.450
A2 3d/l	48	0.318 ± 0.043	0.256 – 0.406
A2 4d/l	48	0.471 ± 0.056	0.385 – 0.621
A2 s1-5/A2 reference length1	48	1.345 ± 0.533	0.340 – 2.285
A2 G1/A2 reference length1	48	0.227 ± 0.016	0.187 – 0.269
A2 G2/G1	48	2.519 ± 0.227	2.065 – 3.033
A2 G2/A2 reference length2	48	1.044 ± 0.060	0.842 – 1.169
Mx palp II d/l	48	0.708 ± 0.298	0.434 – 1.522
T2 1d/l	48	0.572 ± 0.039	0.471 – 0.672
T2 2d/l	48	0.607 ± 0.047	0.485 – 0.707
T2 3d/l	48	0.638 ± 0.056	0.530 – 0.768
T2 4d/l	48	1.316 ± 0.156	0.984 – 1.671
T2 h2/T2 reference length	48	0.794 ± 0.078	0.616 – 0.930
T2 h3/h1	48	0.924 ± 0.408	0.495 – 2.116
U d/l	48	0.076 ± 0.009	0.058 – 0.106
U Ga/UI	48	0.642 ± 0.044	0.543 – 0.742
U Gp/Ga	48	0.687 ± 0.040	0.538 – 0.757
U Sp/Sa	48	1.376 ± 0.365	0.779 – 2.634
U Gp-Sp/Ga	48	0.187 ± 0.060	0.071 – 0.344

<i>H. barbara</i> F	N	Mean \pm SD	Range (Min.–Max.)
A2 2l	28	206.644 \pm 13.807	177.270 – 233.860
A2 2d	28	72.266 \pm 4.582	63.650 – 82.500
A2 3l	28	166.203 \pm 10.493	146.080 – 190.640
A2 3d	28	48.830 \pm 3.299	42.550 – 55.720
A2 4l	28	51.649 \pm 4.145	44.210 – 61.670
A2 4d	28	20.528 \pm 1.445	18.480 – 23.940
A2 reference length1	28	375.285 \pm 19.591	338.997 – 411.946
A2 reference length2	28	209.082 \pm 10.135	190.177 – 229.776
A2 s1-5	28	472.092 \pm 28.920	391.874 – 522.806
A2 G1	28	206.731 \pm 7.710	193.373 – 223.774
A2 G2	28	126.457 \pm 5.401	116.860 – 135.688
A2 GM	28	157.433 \pm 7.593	140.522 – 168.240
Mx palp II l	28	37.229 \pm 1.646	34.020 – 40.380
Mx palp II d	28	19.446 \pm 1.292	15.830 – 21.980
T2 1l	28	111.763 \pm 5.443	102.140 – 123.440
T2 1d	22	71.379 \pm 4.930	63.830 – 82.580
T2 2l	28	82.322 \pm 3.475	75.660 – 90.050
T2 2d	28	52.442 \pm 3.056	46.250 – 59.810
T2 3l	28	70.410 \pm 4.410	62.100 – 78.670
T2 3d	28	48.113 \pm 3.089	42.250 – 55.230
T2 4l	28	22.997 \pm 1.528	19.720 – 26.210
T2 4d	28	27.856 \pm 1.350	24.580 – 30.480
T2 reference length	28	287.491 \pm 12.902	265.320 – 316.560
T2 h1	28	65.542 \pm 5.245	54.952 – 73.261
T2 h2	28	223.369 \pm 8.376	209.813 – 246.750
T2 h3	28	51.459 \pm 7.982	37.437 – 70.866
U l	28	269.078 \pm 15.780	244.790 – 308.730
U d	28	22.863 \pm 3.144	18.970 – 31.350
U Ga	28	187.933 \pm 19.153	142.044 – 263.529
U Gp	28	134.206 \pm 16.485	114.423 – 205.942
U Sa	28	68.735 \pm 10.147	47.826 – 83.659
U Sp	28	94.362 \pm 9.110	78.729 – 117.399
U Gp-Sp	28	36.669 \pm 5.699	30.460 – 48.140
A2 2d/l	28	0.350 \pm 0.019	0.307 – 0.385
A2 3d/l	28	0.294 \pm 0.012	0.261 – 0.316

A2 4d/l	28	0.399 ± 0.032	0.354 – 0.456
A2 s1-5/A2 reference length1	28	1.258 ± 0.044	1.152 – 1.345
A2 G1/A2 reference length1	28	0.552 ± 0.021	0.502 – 0.596
A2 G2/G1	28	0.612 ± 0.028	0.547 – 0.675
A2 G2/A2 reference length2	28	0.606 ± 0.031	0.543 – 0.648
Mx palp II d/l	28	0.522 ± 0.027	0.459 – 0.572
T2 1d/l	28	0.639 ± 0.031	0.590 – 0.710
T2 2d/l	28	0.637 ± 0.028	0.577 – 0.731
T2 3d/l	28	0.685 ± 0.043	0.626 – 0.815
T2 4d/l	28	1.215 ± 0.085	1.017 – 1.371
T2 h2/T2 reference length	28	0.778 ± 0.031	0.717 – 0.843
T2 h3/h1	28	0.791 ± 0.147	0.544 – 1.217
U d/l	28	0.085 ± 0.009	0.070 – 0.102
U Ga/UI	28	0.699 ± 0.057	0.520 – 0.864
U Gp/Ga	28	0.714 ± 0.045	0.610 – 0.864
U Sp/Sa	28	1.394 ± 0.184	1.140 – 1.897
U Gp-Sp/Ga	28	0.196 ± 0.029	0.162 – 0.252

<i>H. barbara</i> M	N	Mean ± SD	Range (Min.–Max.)
A2 2l	16	177.391 ± 11.215	162.770 – 199.830
A2 2d	16	58.508 ± 4.133	52.960 – 67.000
A2 3l	16	148.011 ± 10.930	134.510 – 172.360
A2 3d	16	40.746 ± 2.997	37.120 – 47.430
A2 4l	16	36.815 ± 3.123	31.520 – 41.720
A2 4d	16	16.109 ± 1.670	13.600 – 20.470
A2 reference length1	16	310.412 ± 16.929	286.160 – 347.874
A2 reference length2	16	162.401 ± 7.441	151.650 – 175.514
A2 s1-5	16	414.971 ± 21.365	389.655 – 452.993
A2 G1	16	68.888 ± 5.250	57.742 – 76.890
A2 G2	16	172.399 ± 9.179	160.806 – 190.607
A2 GM	16	125.586 ± 5.837	117.373 – 135.710
Mx palp II l	16	30.868 ± 1.805	27.710 – 35.350
Mx palp II d	16	16.004 ± 1.183	13.610 – 18.950
T2 1l	16	95.526 ± 7.792	82.790 – 113.190
T2 1d	14	56.554 ± 3.761	52.020 – 65.020
T2 2l	16	69.081 ± 4.507	61.610 – 80.190
T2 2d	16	43.006 ± 2.744	39.070 – 48.670

T2 3l	16	61.407 ± 5.880	53.280 – 71.930
T2 3d	16	40.845 ± 2.372	37.190 – 45.250
T2 4l	16	19.813 ± 1.807	17.280 – 22.830
T2 4d	16	24.193 ± 1.591	21.740 – 28.150
T2 reference length	16	245.828 ± 18.010	217.920 – 284.250
T2 h1	16	57.123 ± 5.617	49.738 – 66.494
T2 h2	16	189.322 ± 11.122	163.853 – 205.530
T2 h3	16	41.587 ± 4.721	33.550 – 51.793
U l	16	232.993 ± 13.624	209.710 – 254.150
U d	16	18.863 ± 2.988	14.720 – 24.900
U Ga	16	159.147 ± 7.546	139.825 – 171.955
U Gp	16	108.353 ± 8.826	89.281 – 122.406
U Sa	16	56.020 ± 6.508	45.953 – 72.804
U Sp	16	76.010 ± 6.484	60.131 – 82.541
U Gp-Sp	16	31.626 ± 3.906	25.460 – 37.960
A2 2d/l	16	0.330 ± 0.014	0.298 – 0.352
A2 3d/l	16	0.276 ± 0.013	0.256 – 0.311
A2 4d/l	16	0.439 ± 0.044	0.385 – 0.543
A2 s1-5/A2 reference length1	16	1.338 ± 0.058	1.221 – 1.447
A2 G1/A2 reference length1	16	0.222 ± 0.015	0.187 – 0.240
A2 G2/G1	16	2.513 ± 0.186	2.237 – 2.903
A2 G2/A2 reference length2	16	1.062 ± 0.034	0.996 – 1.131
Mx palp II d/l	16	0.519 ± 0.035	0.434 – 0.588
T2 1d/l	16	0.593 ± 0.022	0.565 – 0.640
T2 2d/l	16	0.623 ± 0.030	0.578 – 0.697
T2 3d/l	16	0.668 ± 0.034	0.592 – 0.718
T2 4d/l	16	1.231 ± 0.141	0.984 – 1.543
T2 h2/T2 reference length	16	0.772 ± 0.045	0.704 – 0.871
T2 h3/h1	16	0.735 ± 0.108	0.507 – 0.876
U d/l	16	0.081 ± 0.011	0.062 – 0.106
U Ga/UI	16	0.684 ± 0.032	0.610 – 0.742
U Gp/Ga	16	0.682 ± 0.058	0.538 – 0.751
U Sp/Sa	16	1.371 ± 0.175	1.077 – 1.621
U Gp-Sp/Ga	16	0.199 ± 0.024	0.161 – 0.237

<i>H. erikae</i> F	N	Mean ± SD	Range (Min.–Max.)
A2 2l	9	176.494 ± 4.288	169.150 – 181.780

A2 2d	9	60.654 ± 2.674	57.280 – 63.930
A2 3l	9	140.723 ± 3.623	135.550 – 148.290
A2 3d	9	42.914 ± 0.834	41.550 – 44.000
A2 4l	9	45.772 ± 1.466	42.910 – 47.990
A2 4d	9	18.630 ± 0.686	17.300 – 19.580
A2 reference length1	9	328.120 ± 7.922	313.592 – 339.520
A2 reference length2	9	187.397 ± 7.270	171.832 – 196.456
A2 s1-5	9	445.887 ± 17.755	411.324 – 463.027
A2 G1	9	188.300 ± 6.027	181.758 – 195.532
A2 G2	9	122.504 ± 6.413	113.250 – 131.436
A2 GM	9	141.624 ± 6.723	127.222 – 150.096
Mx palp II l	9	31.096 ± 0.799	29.490 – 31.820
Mx palp II d	9	19.512 ± 1.046	17.900 – 21.020
T2 1l	9	96.948 ± 4.241	89.840 – 106.360
T2 1d	3	57.530 ± 2.558	53.480 – 62.850
T2 2l	9	66.008 ± 2.213	62.020 – 68.540
T2 2d	9	42.597 ± 1.095	39.870 – 43.510
T2 3l	9	59.986 ± 2.294	55.520 – 62.330
T2 3d	9	38.640 ± 1.505	35.010 – 40.070
T2 4l	9	17.532 ± 1.038	15.800 – 19.010
T2 4d	9	22.924 ± 1.095	21.610 – 24.690
T2 reference length	9	240.473 ± 7.215	223.850 – 250.180
T2 h1	9	61.011 ± 4.257	52.456 – 66.019
T2 h2	9	200.900 ± 4.343	192.516 – 206.496
T2 h3	9	52.292 ± 4.700	45.742 – 59.157
U l	9	241.811 ± 6.359	230.880 – 251.110
U d	9	17.668 ± 1.086	16.030 – 19.160
U Ga	9	158.501 ± 6.086	150.316 – 167.899
U Gp	9	107.027 ± 2.870	103.505 – 110.946
U Sa	9	74.238 ± 8.520	61.235 – 88.630
U Sp	9	81.791 ± 7.547	70.956 – 93.178
U Gp-Sp	9	20.380 ± 4.643	14.200 – 27.950
A2 2d/l	9	0.344 ± 0.014	0.315 – 0.363
A2 3d/l	9	0.305 ± 0.006	0.296 – 0.314
A2 4d/l	9	0.407 ± 0.022	0.380 – 0.443
A2 s1-5/A2 reference length1	9	1.360 ± 0.061	1.266 – 1.469

A2 G1/ A2 reference length1	9	0.574 ± 0.017	0.557 – 0.612
A2 G2/G1	9	0.651 ± 0.032	0.590 – 0.699
A2 G2/ A2 reference length2	9	0.654 ± 0.023	0.617 – 0.681
Mx palp II d/l	9	0.627 ± 0.027	0.584 – 0.674
T2 1d/l	9	0.594 ± 0.024	0.547 – 0.640
T2 2d/l	9	0.646 ± 0.020	0.622 – 0.681
T2 3d/l	9	0.644 ± 0.016	0.623 – 0.676
T2 4d/l	9	1.311 ± 0.088	1.137 – 1.434
T2 h2/T2 reference length	9	0.836 ± 0.015	0.808 – 0.860
T2 h3/h1	9	0.863 ± 0.113	0.723 – 1.032
U d/l	9	0.073 ± 0.006	0.065 – 0.083
U Ga/UI	9	0.656 ± 0.023	0.620 – 0.686
U Gp/Ga	9	0.676 ± 0.027	0.648 – 0.732
U Sp/Sa	9	1.105 ± 0.056	1.030 – 1.195
U Gp-Sp/Ga	9	0.129 ± 0.031	0.090 – 0.186

<i>H. erikae</i> M	N	Mean ± SD	Range (Min.–Max.)
A2 2l	9	153.186 ± 3.780	146.220 – 157.550
A2 2d	9	51.523 ± 2.637	48.330 – 56.470
A2 3l	9	129.978 ± 2.820	127.110 – 134.800
A2 3d	9	38.024 ± 1.195	36.370 – 40.570
A2 4l	9	32.733 ± 2.444	26.310 – 34.320
A2 4d	9	14.482 ± 1.062	12.100 – 15.860
A2 reference length1	9	273.091 ± 5.908	264.841 – 281.462
A2 reference length2	9	143.113 ± 6.047	131.501 – 152.092
A2 s1-5	9	401.420 ± 16.739	377.732 – 424.120
A2 G1	9	63.446 ± 2.842	57.928 – 66.544
A2 G2	9	157.002 ± 4.019	151.486 – 163.734
A2 GM	9	110.380 ± 4.439	105.191 – 118.252
Mx palp II l	9	25.962 ± 1.551	23.880 – 28.790
Mx palp II d	9	16.544 ± 0.613	15.280 – 17.370
T2 1l	9	84.272 ± 2.678	80.780 – 88.130
T2 1d	9	47.999 ± 1.739	45.340 – 50.720
T2 2l	9	57.109 ± 1.802	54.610 – 59.900
T2 2d	9	35.991 ± 0.890	34.480 – 37.140
T2 3l	9	53.533 ± 1.755	51.460 – 56.810
T2 3d	9	34.088 ± 1.318	32.730 – 37.150

T2 4l	9	14.754 ± 1.148	12.960 – 16.760
T2 4d	9	20.943 ± 0.793	19.880 – 22.130
T2 reference length	9	209.669 ± 5.329	201.950 – 216.770
T2 h1	9	56.477 ± 3.388	50.246 – 61.175
T2 h2	9	178.917 ± 4.443	172.724 – 184.798
T2 h3	9	45.899 ± 7.100	34.281 – 53.628
U l	9	215.019 ± 3.612	207.960 – 219.560
U d	9	15.524 ± 0.641	14.450 – 16.220
U Ga	9	138.528 ± 3.858	133.689 – 146.669
U Gp	9	94.623 ± 2.209	90.730 – 98.823
U Sa	9	60.764 ± 2.947	56.433 – 64.237
U Sp	9	69.949 ± 10.627	49.023 – 82.068
U Gp-Sp	9	18.944 ± 4.812	9.890 – 24.640
A2 2d/l	9	0.336 ± 0.015	0.321 – 0.358
A2 3d/l	9	0.293 ± 0.010	0.276 – 0.306
A2 4d/l	9	0.443 ± 0.015	0.424 – 0.469
A2 s1-5/A2 reference length1	9	1.470 ± 0.052	1.396 – 1.553
A2 G1/ A2 reference length1	9	0.232 ± 0.012	0.207 – 0.246
A2 G2/G1	9	2.479 ± 0.137	2.328 – 2.740
A2 G2/ A2 reference length2	9	1.098 ± 0.041	1.046 – 1.169
Mx palp II d/l	9	0.640 ± 0.051	0.531 – 0.698
T2 1d/l	9	0.570 ± 0.030	0.528 – 0.615
T2 2d/l	9	0.631 ± 0.018	0.601 – 0.656
T2 3d/l	9	0.637 ± 0.027	0.610 – 0.700
T2 4d/l	9	1.426 ± 0.113	1.224 – 1.582
T2 h2/T2 reference length	9	0.854 ± 0.026	0.832 – 0.915
T2 h3/h1	9	0.816 ± 0.140	0.601 – 1.012
U d/l	9	0.072 ± 0.003	0.067 – 0.076
U Ga/UI	9	0.645 ± 0.024	0.615 – 0.682
U Gp/Ga	9	0.683 ± 0.016	0.651 – 0.708
U Sp/Sa	9	1.156 ± 0.202	0.779 – 1.454
U Gp-Sp/Ga	9	0.137 ± 0.035	0.071 – 0.183
<i>H. exigua</i> F			
	N	Mean ± SD	Range (Min.–Max.)
A2 2l	9	112.633 ± 2.091	109.460 – 115.820
A2 2d	9	39.972 ± 3.099	34.980 – 44.850

A2 3l	9	70.603 ± 1.347	67.820 – 72.780
A2 3d	9	28.494 ± 1.451	26.680 – 30.570
A2 4l	9	26.063 ± 1.906	21.830 – 28.300
A2 4d	9	13.112 ± 0.744	11.710 – 14.330
A2 reference length1	9	175.422 ± 3.700	169.716 – 180.316
A2 reference length2	9	104.819 ± 2.850	100.744 – 108.675
A2 s1-5	9	378.616 ± 21.056	334.652 – 402.489
A2 G1	9	99.369 ± 2.512	94.984 – 102.819
A2 G2	9	58.470 ± 3.040	54.449 – 63.583
A2 GM	9	78.756 ± 1.895	76.120 – 81.136
Mx palp II l	9	14.548 ± 1.017	13.080 – 15.790
Mx palp II d	9	19.712 ± 0.949	17.910 – 20.880
T2 1l	9	75.322 ± 2.554	70.690 – 78.810
T2 1d	5	39.953 ± 1.941	36.540 – 42.240
T2 2l	9	56.196 ± 3.422	48.230 – 59.330
T2 2d	9	29.668 ± 2.185	26.520 – 33.210
T2 3l	9	48.594 ± 1.784	46.240 – 51.620
T2 3d	9	27.180 ± 1.541	24.140 – 29.330
T2 4l	9	14.516 ± 0.732	13.380 – 15.930
T2 4d	9	16.910 ± 0.865	15.470 – 18.610
T2 reference length	9	194.628 ± 5.899	185.830 – 200.890
T2 h1	9	31.085 ± 4.164	25.744 – 37.680
T2 h2	9	158.924 ± 6.842	143.892 – 166.626
T2 h3	9	51.133 ± 7.903	39.981 – 64.133
U l	9	183.266 ± 5.481	174.910 – 192.280
U d	9	13.982 ± 1.320	11.580 – 15.850
U Ga	9	104.386 ± 3.745	95.525 – 108.129
U Gp	9	69.653 ± 4.783	61.955 – 77.067
U Sa	9	41.111 ± 2.247	37.732 – 43.679
U Sp	9	63.242 ± 7.667	51.552 – 72.505
U Gp-Sp	9	28.866 ± 1.967	25.490 – 31.090
A2 2d/l	9	0.355 ± 0.028	0.305 – 0.398
A2 3d/l	9	0.404 ± 0.023	0.367 – 0.433
A2 4d/l	9	0.505 ± 0.036	0.457 – 0.559
A2 s1-5/A2 reference length1	9	2.159 ± 0.120	1.933 – 2.333
A2 G1/ A2 reference length1	9	0.567 ± 0.019	0.540 – 0.598

A2 G2/G1	9	0.589 ± 0.030	0.550 – 0.638
A2 G2/ A2 reference length2	9	0.558 ± 0.036	0.518 – 0.622
Mx palp II d/l	9	1.360 ± 0.108	1.161 – 1.524
T2 1d/l	9	0.530 ± 0.020	0.503 – 0.564
T2 2d/l	9	0.528 ± 0.032	0.466 – 0.580
T2 3d/l	9	0.560 ± 0.039	0.500 – 0.598
T2 4d/l	9	1.168 ± 0.095	1.072 – 1.391
T2 h2/T2 reference length	9	0.817 ± 0.035	0.774 – 0.875
T2 h3/h1	9	1.660 ± 0.267	1.272 – 2.100
U d/l	9	0.076 ± 0.008	0.063 – 0.087
U Ga/UI	9	0.570 ± 0.031	0.497 – 0.611
U Gp/Ga	9	0.667 ± 0.035	0.606 – 0.737
U Sp/Sa	9	1.540 ± 0.185	1.189 – 1.832
U Gp-Sp/Ga	9	0.277 ± 0.022	0.249 – 0.311

<i>H. exigua</i> M	N	Mean ± SD	Range (Min.–Max.)
A2 2l	9	103.088 ± 3.857	94.210 – 107.350
A2 2d	9	38.541 ± 2.864	34.260 – 42.590
A2 3l	9	70.757 ± 1.464	68.370 – 73.620
A2 3d	9	25.578 ± 1.697	23.380 – 28.560
A2 4l	9	23.368 ± 1.329	21.390 – 26.070
A2 4d	9	12.239 ± 1.092	10.640 – 13.960
A2 reference length1	9	171.842 ± 2.216	168.832 – 176.022
A2 reference length2	9	101.086 ± 1.974	98.212 – 104.312
A2 s1-5	9	371.578 ± 17.552	338.629 – 396.176
A2 G1	9	39.029 ± 3.161	35.905 – 46.298
A2 G2	9	105.839 ± 3.659	98.742 – 110.247
A2 GM	9	77.718 ± 2.375	72.142 – 79.972
Mx palp II l	9	13.624 ± 0.891	11.740 – 14.480
Mx palp II d	9	17.699 ± 0.545	16.770 – 18.830
T2 1l	9	73.539 ± 2.148	68.810 – 75.230
T2 1d	9	39.752 ± 2.809	34.890 – 45.660
T2 2l	9	53.151 ± 2.106	49.290 – 55.870
T2 2d	9	28.644 ± 1.460	26.210 – 30.280
T2 3l	9	46.856 ± 2.047	44.780 – 51.350
T2 3d	9	26.728 ± 0.587	25.820 – 27.590
T2 4l	9	13.323 ± 0.957	11.970 – 15.140

T2 4d	9	16.426 ± 0.456	15.600 – 17.000
T2 reference length	9	186.869 ± 5.663	178.340 – 196.530
T2 h1	9	31.812 ± 3.433	27.425 – 37.668
T2 h2	9	148.437 ± 5.931	141.938 – 159.316
T2 h3	9	53.756 ± 7.289	39.585 – 64.341
U l	9	172.813 ± 6.447	159.000 – 178.480
U d	9	13.417 ± 0.970	11.880 – 14.460
U Ga	9	102.857 ± 4.381	96.867 – 111.407
U Gp	9	70.098 ± 2.905	65.901 – 75.039
U Sa	9	34.201 ± 4.946	24.911 – 42.029
U Sp	9	64.438 ± 4.385	56.935 – 70.373
U Gp-Sp	9	28.844 ± 2.603	25.860 – 33.330
A2 2d/l	9	0.375 ± 0.037	0.335 – 0.450
A2 3d/l	9	0.362 ± 0.024	0.334 – 0.406
A2 4d/l	9	0.526 ± 0.059	0.425 – 0.621
A2 s1-5/A2 reference length1	9	2.162 ± 0.093	1.977 – 2.285
A2 G1/A2 reference length1	9	0.227 ± 0.019	0.204 – 0.269
A2 G2/G1	9	2.726 ± 0.214	2.285 – 3.020
A2 G2/A2 reference length2	9	1.047 ± 0.026	1.005 – 1.081
Mx palp ll d/l	9	1.304 ± 0.092	1.213 – 1.522
T2 1d/l	9	0.541 ± 0.040	0.471 – 0.607
T2 2d/l	9	0.540 ± 0.036	0.485 – 0.598
T2 3d/l	9	0.571 ± 0.021	0.530 – 0.604
T2 4d/l	9	1.238 ± 0.087	1.123 – 1.389
T2 h2/T2 reference length	9	0.795 ± 0.042	0.722 – 0.860
T2 h3/h1	9	1.700 ± 0.245	1.287 – 2.116
U d/l	9	0.078 ± 0.005	0.067 – 0.083
U Ga/UI	9	0.596 ± 0.030	0.543 – 0.631
U Gp/Ga	9	0.682 ± 0.019	0.650 – 0.707
U Sp/Sa	9	1.923 ± 0.337	1.547 – 2.634
U Gp-Sp/Ga	9	0.281 ± 0.033	0.246 – 0.344

<i>H. gevgelica</i> F	N	Mean ± SD	Range (Min.–Max.)
A2 2l	9	159.321 ± 3.056	155.010 – 163.090
A2 2d	9	48.847 ± 1.246	47.240 – 51.180
A2 3l	9	103.122 ± 2.610	100.170 – 107.740

A2 3d	9	34.186 ± 1.264	32.640 – 35.820
A2 4l	9	34.798 ± 1.915	31.470 – 36.730
A2 4d	9	16.206 ± 1.385	14.670 – 19.150
A2 reference length1	9	285.389 ± 5.448	277.101 – 295.286
A2 reference length2	9	182.267 ± 3.880	176.811 – 187.546
A2 s1-5	9	398.448 ± 9.073	389.485 – 415.111
A2 G1	9	181.528 ± 4.241	171.459 – 185.902
A2 G2	9	152.703 ± 6.853	137.893 – 162.006
A2 GM	9	147.469 ± 2.891	144.287 – 152.266
Mx palp II l	9	22.709 ± 1.182	20.760 – 24.110
Mx palp II d	9	22.653 ± 0.656	21.070 – 23.290
T2 1l	9	89.193 ± 3.929	81.890 – 95.890
T2 1d	9	46.410 ± 1.675	44.040 – 49.870
T2 2l	9	62.553 ± 2.560	59.270 – 66.450
T2 2d	9	34.863 ± 1.585	32.020 – 37.330
T2 3l	9	54.533 ± 1.835	51.650 – 57.420
T2 3d	9	31.708 ± 1.401	28.710 – 33.120
T2 4l	9	16.253 ± 0.894	15.160 – 17.890
T2 4d	9	17.981 ± 0.573	17.100 – 19.010
T2 reference length	9	222.533 ± 4.267	218.310 – 230.920
T2 h1	9	36.108 ± 4.239	28.214 – 41.543
T2 h2	9	220.324 ± 5.634	210.982 – 230.676
T2 h3	9	41.060 ± 3.017	36.859 – 46.501
U l	9	228.223 ± 4.320	222.770 – 234.800
U d	9	18.858 ± 1.406	16.510 – 20.520
U Ga	9	137.620 ± 3.588	131.637 – 142.579
U Gp	9	98.026 ± 5.684	91.621 – 108.438
U Sa	9	48.551 ± 3.696	43.413 – 54.908
U Sp	9	70.595 ± 8.294	58.224 – 81.263
U Gp-Sp	9	26.297 ± 1.472	23.100 – 27.910
A2 2d/l	9	0.307 ± 0.006	0.297 – 0.315
A2 3d/l	9	0.331 ± 0.006	0.323 – 0.338
A2 4d/l	9	0.466 ± 0.037	0.431 – 0.545
A2 s1-5/A2 reference length1	9	1.396 ± 0.028	1.346 – 1.430
A2 G1/ A2 reference length1	9	0.636 ± 0.019	0.602 – 0.663
A2 G2/G1	9	0.842 ± 0.045	0.748 – 0.902

A2 G2/ A2 reference length2	9	0.838 ± 0.039	0.752 – 0.896
Mx palp II d/l	9	1.000 ± 0.058	0.933 – 1.092
T2 1d/l	9	0.522 ± 0.037	0.466 – 0.572
T2 2d/l	9	0.557 ± 0.015	0.527 – 0.577
T2 3d/l	9	0.582 ± 0.032	0.522 – 0.618
T2 4d/l	9	1.110 ± 0.075	0.998 – 1.220
T2 h2/T2 reference length	9	0.990 ± 0.030	0.947 – 1.036
T2 h3/h1	9	1.150 ± 0.155	0.952 – 1.500
U d/l	9	0.083 ± 0.006	0.072 – 0.089
U Ga/UI	9	0.603 ± 0.022	0.564 – 0.633
U Gp/Ga	9	0.713 ± 0.044	0.655 – 0.809
U Sp/Sa	9	1.460 ± 0.195	1.181 – 1.734
U Gp-Sp/Ga	9	0.191 ± 0.013	0.163 – 0.204

<i>H. incongruens</i> F	N	Mean ± SD	Range (Min.–Max.)
A2 2l	29	225.596 ± 23.019	187.760 – 265.040
A2 2d	29	78.154 ± 12.112	58.710 – 101.670
A2 3l	29	173.619 ± 19.929	138.490 – 211.450
A2 3d	29	52.989 ± 6.006	44.230 – 62.570
A2 4l	29	55.479 ± 7.696	42.110 – 68.910
A2 4d	29	23.058 ± 3.181	19.040 – 28.890
A2 reference length1	29	394.692 ± 47.337	321.140 – 484.472
A2 reference length2	29	221.073 ± 28.200	176.080 – 273.022
A2 s1-5	29	507.847 ± 72.096	407.783 – 641.641
A2 G1	29	221.162 ± 26.099	182.947 – 275.081
A2 G2	29	149.008 ± 18.725	117.837 – 182.699
A2 GM	29	165.594 ± 20.868	133.970 – 206.852
Mx palp II l	29	39.834 ± 4.191	33.280 – 47.990
Mx palp II d	29	22.662 ± 2.733	15.360 – 28.160
T2 1l	29	122.200 ± 11.765	104.270 – 141.880
T2 1d	29	69.873 ± 5.431	60.650 – 79.880
T2 2l	29	88.876 ± 6.820	77.800 – 101.190
T2 2d	29	53.516 ± 5.099	46.900 – 62.660
T2 3l	29	74.386 ± 7.356	57.280 – 88.300
T2 3d	29	50.344 ± 7.979	43.120 – 85.640
T2 4l	29	23.452 ± 2.857	19.880 – 29.710
T2 4d	29	27.328 ± 3.186	22.690 – 33.780

T2 reference length	29	308.913 ± 25.838	276.710 – 353.920
T2 h1	29	70.817 ± 4.629	57.896 – 76.565
T2 h2	29	233.342 ± 25.738	197.655 – 285.637
T2 h3	29	49.287 ± 5.523	38.176 – 59.179
U l	29	314.811 ± 30.642	274.980 – 371.120
U d	29	24.837 ± 3.822	17.970 – 32.920
U Ga	29	196.260 ± 21.202	160.508 – 229.900
U Gp	29	138.441 ± 14.736	116.474 – 160.251
U Sa	29	72.445 ± 8.782	53.449 – 86.669
U Sp	29	109.841 ± 13.756	87.011 – 139.005
U Gp-Sp	29	31.175 ± 3.471	25.020 – 37.530
A2 2d/l	29	0.345 ± 0.024	0.297 – 0.388
A2 3d/l	29	0.306 ± 0.016	0.275 – 0.342
A2 4d/l	29	0.417 ± 0.029	0.359 – 0.480
A2 s1-5/A2 reference length1	29	1.285 ± 0.065	1.162 – 1.417
A2 G1/ A2 reference length1	29	0.561 ± 0.018	0.524 – 0.600
A2 G2/G1	29	0.674 ± 0.038	0.576 – 0.788
A2 G2/A2 reference length2	29	0.675 ± 0.036	0.577 – 0.745
Mx palp II d/l	29	0.570 ± 0.048	0.429 – 0.678
T2 1d/l	29	0.574 ± 0.034	0.505 – 0.649
T2 2d/l	29	0.602 ± 0.025	0.562 – 0.648
T2 3d/l	29	0.684 ± 0.159	0.593 – 1.495
T2 4d/l	29	1.170 ± 0.099	0.973 – 1.357
T2 h2/T2 reference length	29	0.755 ± 0.043	0.640 – 0.843
T2 h3/h1	29	0.697 ± 0.070	0.519 – 0.811
U d/l	29	0.079 ± 0.008	0.062 – 0.092
U Ga/UI	29	0.624 ± 0.042	0.504 – 0.700
U Gp/Ga	29	0.706 ± 0.025	0.655 – 0.794
U Sp/Sa	29	1.524 ± 0.157	1.198 – 1.937
U Gp-Sp/Ga	29	0.160 ± 0.024	0.118 – 0.201

<i>H. rotundata</i> F.	N	Mean ± SD	Range (Min.–Max.)
A2 2l	27	159.922 ± 5.577	149.900 – 172.520
A2 2d	27	57.569 ± 4.665	49.620 – 64.490
A2 3l	27	118.512 ± 5.991	99.750 – 125.790
A2 3d	27	39.015 ± 3.042	34.770 – 45.330

A2 4l	27	38.439 ± 2.395	31.180 – 42.060
A2 4d	27	17.234 ± 1.114	15.130 – 19.240
A2 reference length1	27	283.310 ± 10.859	250.014 – 298.724
A2 reference length2	27	164.798 ± 6.044	150.264 – 173.424
A2 s1-5	27	371.974 ± 14.593	345.860 – 409.699
A2 G1	27	164.170 ± 5.916	149.378 – 172.194
A2 G2	27	99.851 ± 4.070	90.044 – 110.598
A2 GM	27	126.359 ± 4.571	115.155 – 133.584
Mx palp II l	27	31.339 ± 1.622	27.800 – 34.720
Mx palp II d	27	16.216 ± 0.867	14.310 – 17.650
T2 1l	27	91.085 ± 4.203	84.230 – 99.210
T2 1d	22	57.519 ± 4.149	51.550 – 65.240
T2 2l	27	63.684 ± 2.855	58.470 – 69.270
T2 2d	27	42.523 ± 2.092	38.910 – 48.230
T2 3l	27	54.923 ± 3.073	50.950 – 62.730
T2 3d	27	37.649 ± 1.444	35.380 – 40.360
T2 4l	27	16.114 ± 1.004	13.270 – 17.950
T2 4d	27	22.457 ± 1.418	19.480 – 25.620
T2 reference length	27	225.806 ± 9.193	209.580 – 242.480
T2 h1	27	42.964 ± 3.493	36.183 – 50.260
T2 h2	27	190.001 ± 6.864	172.510 – 201.666
T2 h3	27	34.189 ± 3.519	26.869 – 41.071
U l	27	226.770 ± 10.155	206.630 – 243.330
U d	27	17.427 ± 1.683	13.830 – 20.280
U Ga	27	148.806 ± 6.403	136.326 – 158.753
U Gp	27	101.245 ± 5.254	87.831 – 109.582
U Sa	27	54.603 ± 6.070	41.891 – 66.588
U Sp	27	75.360 ± 6.725	58.895 – 84.996
U Gp-Sp	27	21.592 ± 3.185	16.560 – 28.660
A2 2d/l	27	0.360 ± 0.022	0.319 – 0.388
A2 3d/l	27	0.329 ± 0.017	0.297 – 0.370
A2 4d/l	27	0.450 ± 0.037	0.381 – 0.561
A2 s1-5/A2 reference length1	27	1.314 ± 0.039	1.249 – 1.424
A2 G1/ A2 reference length1	27	0.580 ± 0.017	0.543 – 0.625
A2 G2/G1	27	0.609 ± 0.030	0.532 – 0.673
A2 G2/ A2 reference length2	27	0.606 ± 0.026	0.552 – 0.665

Mx palp II d/l	27	0.518 ± 0.023	0.465 – 0.556
T2 1d/l	27	0.632 ± 0.040	0.565 – 0.714
T2 2d/l	27	0.668 ± 0.019	0.631 – 0.699
T2 3d/l	27	0.687 ± 0.033	0.630 – 0.753
T2 4d/l	27	1.397 ± 0.099	1.203 – 1.559
T2 h2/T2 reference length	27	0.842 ± 0.026	0.794 – 0.888
T2 h3/h1	27	0.798 ± 0.081	0.634 – 0.966
U d/l	27	0.077 ± 0.006	0.065 – 0.087
U Ga/UI	27	0.657 ± 0.028	0.600 – 0.720
U Gp/Ga	27	0.681 ± 0.030	0.593 – 0.752
U Sp/Sa	27	1.396 ± 0.198	1.025 – 1.892
U Gp-Sp/Ga	27	0.145 ± 0.022	0.110 – 0.199

<i>H. salina</i> F	N	Mean ± SD	Range (Min.–Max.)
A2 2l	21	167.722 ± 5.631	155.900 – 178.960
A2 2d	21	56.239 ± 3.209	48.400 – 61.100
A2 3l	21	121.715 ± 4.679	111.180 – 130.470
A2 3d	21	40.129 ± 5.395	18.770 – 46.260
A2 4l	21	36.484 ± 2.829	29.870 – 41.570
A2 4d	21	18.158 ± 1.271	16.120 – 20.230
A2 reference length1	21	300.059 ± 8.351	284.305 – 323.636
A2 reference length2	21	178.344 ± 5.163	171.971 – 193.676
A2 s1-5	21	344.714 ± 40.284	272.775 – 401.035
A2 G1	21	179.045 ± 8.768	165.408 – 193.715
A2 G2	21	141.664 ± 6.709	127.344 – 153.789
A2 GM	21	141.859 ± 4.481	134.544 – 152.106
Mx palp II l	21	31.701 ± 1.436	28.850 – 33.890
Mx palp II d	21	17.998 ± 1.071	15.760 – 19.550
T2 1l	21	100.054 ± 5.788	88.690 – 112.670
T2 1d	19	55.630 ± 2.478	51.140 – 60.340
T2 2l	21	73.689 ± 3.913	65.410 – 80.560
T2 2d	21	43.189 ± 2.010	40.220 – 47.790
T2 3l	21	64.887 ± 3.144	59.760 – 72.290
T2 3d	21	38.839 ± 1.773	35.390 – 42.380
T2 4l	21	17.543 ± 1.610	13.460 – 20.000
T2 4d	21	22.782 ± 1.260	20.760 – 26.600
T2 reference length	21	256.173 ± 10.836	239.520 – 284.390

T2 h1	21	53.384 ± 6.298	38.773 – 61.523
T2 h2	21	225.631 ± 16.587	182.830 – 253.931
T2 h3	21	42.386 ± 5.061	28.798 – 51.834
U l	21	245.499 ± 10.769	227.540 – 262.120
U d	21	20.619 ± 2.225	16.190 – 25.120
U Ga	21	167.666 ± 7.766	151.798 – 179.530
U Gp	21	116.315 ± 6.203	104.922 – 128.398
U Sa	21	66.911 ± 9.018	41.226 – 83.378
U Sp	21	105.845 ± 7.832	95.068 – 122.611
U Gp-Sp	21	21.850 ± 2.741	15.040 – 26.570
A2 2d/l	21	0.335 ± 0.013	0.304 – 0.357
A2 3d/l	21	0.330 ± 0.041	0.155 – 0.356
A2 4d/l	21	0.500 ± 0.049	0.451 – 0.668
A2 s1-5/A2 reference length1	21	1.149 ± 0.133	0.905 – 1.323
A2 G1/ A2 reference length1	21	0.597 ± 0.027	0.542 – 0.641
A2 G2/G1	21	0.792 ± 0.032	0.742 – 0.860
A2 G2/A2 reference length2	21	0.795 ± 0.042	0.698 – 0.870
Mx palp II d/l	21	0.568 ± 0.030	0.526 – 0.622
T2 1d/l	21	0.557 ± 0.024	0.507 – 0.589
T2 2d/l	21	0.587 ± 0.020	0.546 – 0.616
T2 3d/l	21	0.599 ± 0.029	0.542 – 0.649
T2 4d/l	21	1.309 ± 0.133	1.094 – 1.611
T2 h2/T2 reference length	21	0.880 ± 0.046	0.745 – 0.956
T2 h3/h1	21	0.804 ± 0.142	0.626 – 1.337
U d/l	21	0.084 ± 0.008	0.068 – 0.098
U Ga/UI	21	0.684 ± 0.032	0.622 – 0.733
U Gp/Ga	21	0.694 ± 0.024	0.654 – 0.758
U Sp/Sa	21	1.607 ± 0.226	1.193 – 2.306
U Gp-Sp/Ga	21	0.130 ± 0.016	0.089 – 0.157

<i>H. salina</i> M	N	Mean ± SD	Range (Min.–Max.)
A2 2l	2	152.015 ± 7.135	146.970 – 157.060
A2 2d	2	51.480 ± 0.269	51.290 – 51.670
A2 3l	2	121.450 ± 3.125	119.240 – 123.660
A2 3d	2	38.285 ± 0.318	38.060 – 38.510
A2 4l	2	26.995 ± 1.082	26.230 – 27.760

A2 4d	2	15.170 ± 2.630	13.310 – 17.030
A2 reference length1	2	261.329 ± 6.585	256.673 – 265.986
A2 reference length2	2	139.879 ± 3.460	137.433 – 142.326
A2 s1-5	2	358.711 ± 9.047	352.314 – 365.109
A2 G1	2	58.459 ± 7.767	52.966 – 63.951
A2 G2	2	153.085 ± 10.686	145.529 – 160.642
A2 GM	2	112.884 ± 4.542	109.673 – 116.096
Mx palp II l	2	27.290 ± 0.863	26.680 – 27.900
Mx palp II d	2	16.100 ± 0.750	15.570 – 16.630
T2 1l	2	89.745 ± 2.256	88.150 – 91.340
T2 1d	2	49.780 ± 1.824	48.490 – 51.070
T2 2l	2	61.160 ± 2.588	59.330 – 62.990
T2 2d	2	37.100 ± 0.651	36.640 – 37.560
T2 3l	2	61.095 ± 0.827	60.510 – 61.680
T2 3d	2	34.870 ± 1.075	34.110 – 35.630
T2 4l	2	15.820 ± 3.663	13.230 – 18.410
T2 4d	2	20.670 ± 0.014	20.660 – 20.680
T2 reference length	2	227.820 ± 7.679	222.390 – 233.250
T2 h1	2	49.063 ± 1.963	47.675 – 50.452
T2 h2	2	179.046 ± 4.756	175.683 – 182.409
T2 h3	2	42.629 ± 2.008	41.208 – 44.049
U l	2	218.410 ± 3.479	215.950 – 220.870
U d	2	18.230 ± 1.202	17.380 – 19.080
U Ga	2	145.056 ± 1.526	143.977 – 146.136
U Gp	2	92.223 ± 3.277	89.906 – 94.541
U Sa	2	51.221 ± 3.413	48.808 – 53.635
U Sp	2	74.919 ± 0.658	74.454 – 75.385
U Gp-Sp	2	15.870 ± 0.679	15.390 – 16.350
A2 2d/l	2	0.339 ± 0.018	0.327 – 0.352
A2 3d/l	2	0.315 ± 0.011	0.308 – 0.323
A2 4d/l	2	0.560 ± 0.075	0.507 – 0.613
A2 s1-5/A2 reference length1	2	1.373 ± 0.000	1.373 – 1.373
A2 G1/ A2 reference length1	2	0.224 ± 0.035	0.199 – 0.249
A2 G2/G1	2	2.654 ± 0.535	2.276 – 3.033
A2 G2/A2 reference length2	2	1.094 ± 0.049	1.059 – 1.129
Mx palp II d/l	2	0.590 ± 0.009	0.584 – 0.596

T2 1d/l	2	0.555 ± 0.006	0.550 – 0.559
T2 2d/l	2	0.607 ± 0.015	0.596 – 0.618
T2 3d/l	2	0.571 ± 0.025	0.553 – 0.589
T2 4d/l	2	1.343 ± 0.312	1.122 – 1.563
T2 h2/T2 reference length	2	0.786 ± 0.006	0.782 – 0.790
T2 h3/h1	2	0.870 ± 0.076	0.817 – 0.924
U d/l	2	0.083 ± 0.004	0.080 – 0.086
U Ga/UI	2	0.664 ± 0.004	0.662 – 0.667
U Gp/Ga	2	0.636 ± 0.016	0.624 – 0.647
U Sp/Sa	2	1.466 ± 0.111	1.388 – 1.545
U Gp-Sp/Ga	2	0.109 ± 0.004	0.107 – 0.112

<i>H. vitrea</i> F	N	Mean ± SD	Range (Min.–Max.)
A2 2l	31	183.954 ± 7.953	171.130 – 205.300
A2 2d	31	62.194 ± 5.562	53.080 – 76.380
A2 3l	31	127.941 ± 8.112	116.290 – 144.960
A2 3d	31	43.507 ± 3.600	38.090 – 56.390
A2 4l	31	40.818 ± 3.203	32.700 – 46.700
A2 4d	31	18.678 ± 1.483	15.920 – 21.760
A2 reference length1	31	298.840 ± 14.213	268.370 – 327.803
A2 reference length2	31	170.899 ± 6.976	151.430 – 182.843
A2 s1-5	31	404.960 ± 27.286	347.245 – 457.053
A2 G1	31	173.033 ± 6.928	157.800 – 187.465
A2 G2	31	112.016 ± 6.434	101.664 – 123.056
A2 GM	31	130.080 ± 4.623	117.900 – 138.533
Mx palp II l	31	32.572 ± 2.052	26.830 – 36.700
Mx palp II d	31	18.291 ± 1.286	15.830 – 20.790
T2 1l	31	105.817 ± 5.577	94.010 – 118.760
T2 1d	31	59.332 ± 5.131	51.210 – 73.830
T2 2l	31	74.141 ± 5.146	68.220 – 86.310
T2 2d	31	44.230 ± 2.724	39.870 – 51.560
T2 3l	31	66.783 ± 5.160	60.440 – 77.140
T2 3d	31	40.885 ± 2.280	37.130 – 47.600
T2 4l	31	18.503 ± 1.587	15.570 – 21.730
T2 4d	31	24.769 ± 1.616	22.360 – 28.440
T2 reference length	31	265.244 ± 16.128	242.570 – 302.200
T2 h1	31	53.237 ± 5.793	40.012 – 62.594

T2 h2	31	220.796 ± 7.654	201.982 – 241.334
T2 h3	31	44.319 ± 5.171	33.324 – 54.138
U I	31	254.696 ± 12.621	234.970 – 284.140
U d	31	21.744 ± 2.605	14.010 – 25.660
U Ga	31	174.482 ± 8.178	153.775 – 188.680
U Gp	31	113.517 ± 6.458	101.116 – 122.778
U Sa	31	60.672 ± 5.200	48.676 – 71.263
U Sp	31	90.395 ± 9.127	75.249 – 123.015
U Gp-Sp	31	21.919 ± 3.309	15.630 – 28.290
A2 2d/l	31	0.338 ± 0.020	0.303 – 0.374
A2 3d/l	31	0.340 ± 0.014	0.313 – 0.391
A2 4d/l	31	0.459 ± 0.042	0.386 – 0.533
A2 s1-5/A2 reference length1	31	1.355 ± 0.067	1.194 – 1.503
A2 G1/A2 reference length1	31	0.579 ± 0.017	0.549 – 0.609
A2 G2/G1	31	0.648 ± 0.037	0.580 – 0.730
A2 G2/A2 reference length2	31	0.656 ± 0.034	0.591 – 0.726
Mx palp II d/l	31	0.563 ± 0.043	0.480 – 0.631
T2 1d/l	31	0.560 ± 0.030	0.516 – 0.625
T2 2d/l	31	0.597 ± 0.014	0.562 – 0.624
T2 3d/l	31	0.614 ± 0.029	0.562 – 0.674
T2 4d/l	31	1.343 ± 0.087	1.152 – 1.588
T2 h2/T2 reference length	31	0.834 ± 0.042	0.726 – 0.899
T2 h3/h1	31	0.838 ± 0.101	0.612 – 1.041
U d/l	31	0.085 ± 0.010	0.055 – 0.103
U Ga/UI	31	0.686 ± 0.040	0.627 – 0.788
U Gp/Ga	31	0.651 ± 0.023	0.611 – 0.716
U Sp/Sa	31	1.495 ± 0.153	1.273 – 2.003
U Gp-Sp/Ga	31	0.126 ± 0.019	0.085 – 0.166

<i>H. bosniaca</i> F	N	Mean \pm SD	Range (Min.–Max.)
A2 2l	15	208.440 \pm 11.633	184.890 – 225.180
A2 2d	15	84.593 \pm 4.280	77.140 – 90.890
A2 3l	15	144.066 \pm 5.396	129.310 – 151.450
A2 3d	15	52.161 \pm 3.331	47.180 – 58.100
A2 4l	15	49.719 \pm 3.014	43.690 – 55.150
A2 4d	15	22.659 \pm 1.772	19.810 – 25.110
A2 reference length1	15	321.658 \pm 11.603	296.318 – 338.563
A2 reference length2	15	177.592 \pm 7.846	164.446 – 191.873
A2 s1-5	15	314.932 \pm 12.272	296.989 – 340.188
A2 G1	15	170.824 \pm 5.230	162.732 – 180.511
A2 G2	15	135.836 \pm 5.343	124.170 – 144.018
A2 GM	15	127.872 \pm 5.494	120.138 – 136.723
Mx palp II l	15	42.214 \pm 2.378	38.100 – 46.700
Mx palp II d	15	20.182 \pm 1.141	17.950 – 22.270
T2 1l	15	117.531 \pm 3.727	111.180 – 124.070
T2 1d	15	76.969 \pm 5.192	68.680 – 85.680
T2 2l	15	83.802 \pm 3.619	76.980 – 89.790
T2 2d	15	54.544 \pm 4.076	49.630 – 62.240
T2 3l	15	69.557 \pm 3.225	63.110 – 74.200
T2 3d	15	50.409 \pm 2.679	47.640 – 55.310
T2 4l	15	21.774 \pm 1.730	19.020 – 24.850
T2 4d	15	29.056 \pm 1.742	25.900 – 32.180
T2 reference length	15	292.665 \pm 10.237	271.960 – 309.690
T2 h1	15	51.320 \pm 2.854	47.087 – 55.489
T2 h2	15	172.181 \pm 5.885	162.191 – 180.565
T2 h3	15	30.108 \pm 6.497	11.018 – 36.825
U l	15	281.467 \pm 12.233	252.840 – 303.550
U d	15	20.218 \pm 1.650	17.620 – 22.770
U Ga	15	167.354 \pm 8.094	152.308 – 181.509
U Gp	15	114.906 \pm 6.608	98.371 – 122.473
U Sa	15	58.361 \pm 10.746	39.054 – 77.616
U Sp	15	83.848 \pm 5.537	73.119 – 92.141
U Gp-Sp	15	32.717 \pm 2.564	29.160 – 37.930
A2 2d/l	15	0.406 \pm 0.016	0.377 – 0.424
A2 3d/l	15	0.362 \pm 0.020	0.330 – 0.396

A2 4d/l	15	0.457 ± 0.037	0.381 – 0.512
A2 s1-5/A2 reference length1	15	0.979 ± 0.028	0.933 – 1.025
A2 G1/A2 reference length1	15	0.531 ± 0.014	0.507 – 0.553
A2 G2/G1	15	0.795 ± 0.023	0.761 – 0.838
A2 G2/A2 reference length2	15	0.766 ± 0.032	0.710 – 0.829
Mx palp II d/l	15	0.479 ± 0.025	0.436 – 0.510
T2 1d/l	15	0.655 ± 0.038	0.588 – 0.726
T2 2d/l	15	0.650 ± 0.027	0.611 – 0.693
T2 3d/l	15	0.725 ± 0.035	0.680 – 0.788
T2 4d/l	15	1.339 ± 0.095	1.170 – 1.494
T2 h2/T2 reference length	15	0.588 ± 0.013	0.565 – 0.609
T2 h3/h1	15	0.587 ± 0.122	0.211 – 0.697
U d/l	15	0.072 ± 0.005	0.062 – 0.078
U Ga/UI	15	0.595 ± 0.024	0.550 – 0.646
U Gp/Ga	15	0.687 ± 0.041	0.602 – 0.744
U Sp/Sa	15	1.482 ± 0.283	1.021 – 2.017
U Gp-Sp/Ga	15	0.196 ± 0.016	0.170 – 0.215

<i>H. bosniaca</i> M	N	Mean ± SD	Range (Min.–Max.)
A2 2l	5	164.266 ± 6.013	158.240 – 172.980
A2 2d	5	65.190 ± 2.378	61.010 – 66.960
A2 3l	5	122.084 ± 4.311	118.380 – 128.900
A2 3d	5	41.952 ± 2.508	37.560 – 43.880
A2 4l	5	36.052 ± 1.600	34.580 – 37.790
A2 4d	5	18.270 ± 1.455	15.940 – 19.770
A2 reference length1	5	268.264 ± 10.456	256.272 – 283.941
A2 reference length2	5	146.180 ± 7.093	137.892 – 155.041
A2 s1-5	5	267.202 ± 20.527	242.533 – 296.161
A2 G1	5	62.672 ± 1.820	61.096 – 64.780
A2 G2	5	141.912 ± 8.662	133.235 – 154.831
A2 GM	5	110.128 ± 5.668	103.132 – 117.281
Mx palp II l	5	31.046 ± 1.144	30.350 – 33.030
Mx palp II d	5	15.804 ± 0.570	14.910 – 16.390
T2 1l	5	93.602 ± 4.627	88.520 – 100.410
T2 1d	5	57.574 ± 3.877	53.130 – 63.060
T2 2l	5	65.288 ± 3.039	62.580 – 70.430
T2 2d	5	42.186 ± 3.021	37.630 – 45.500
T2 3l	5	55.792 ± 3.066	52.130 – 59.710
T2 3d	5	40.904 ± 1.472	39.300 – 43.160
T2 4l	5	16.992 ± 0.738	15.850 – 17.910
T2 4d	5	22.048 ± 0.532	21.460 – 22.760
T2 reference length	5	231.674 ± 10.042	222.190 – 248.460
T2 h1	5	40.856 ± 5.085	37.339 – 49.305
T2 h2	5	146.063 ± 4.706	141.280 – 153.582
T2 h3	5	22.380 ± 2.686	18.826 – 24.397
U l	5	230.706 ± 16.504	212.870 – 253.690
U d	5	15.650 ± 1.185	13.810 – 17.070
U Ga	5	137.748 ± 4.827	133.803 – 145.507
U Gp	5	95.683 ± 1.989	94.216 – 99.159
U Sa	5	46.954 ± 3.285	42.329 – 49.974
U Sp	5	63.703 ± 3.004	59.531 – 67.801
U Gp-Sp	5	21.544 ± 4.472	16.040 – 26.960
A2 2d/l	5	0.397 ± 0.016	0.380 – 0.418
A2 3d/l	5	0.344 ± 0.017	0.317 – 0.363

A2 4d/l	5	0.507 ± 0.046	0.459 – 0.572
A2 s1-5/A2 reference length1	5	0.996 ± 0.062	0.927 – 1.096
A2 G1/A2 reference length1	5	0.234 ± 0.010	0.228 – 0.252
A2 G2/G1	5	2.265 ± 0.136	2.065 – 2.390
A2 G2/A2 reference length2	5	0.971 ± 0.035	0.918 – 1.007
Mx palp II d/l	5	0.509 ± 0.022	0.489 – 0.540
T2 1d/l	5	0.615 ± 0.037	0.577 – 0.672
T2 2d/l	5	0.647 ± 0.045	0.580 – 0.707
T2 3d/l	5	0.734 ± 0.026	0.712 – 0.768
T2 4d/l	5	1.299 ± 0.062	1.261 – 1.409
T2 h2/T2 reference length	5	0.631 ± 0.019	0.616 – 0.660
T2 h3/h1	5	0.550 ± 0.059	0.495 – 0.640
U d/l	5	0.068 ± 0.006	0.058 – 0.073
U Ga/UI	5	0.598 ± 0.025	0.571 – 0.629
U Gp/Ga	5	0.695 ± 0.011	0.681 – 0.707
U Sp/Sa	5	1.363 ± 0.134	1.211 – 1.517
U Gp-Sp/Ga	5	0.157 ± 0.033	0.115 – 0.201

<i>H. reptans</i> F	N	Mean \pm SD	Range (Min.–Max.)
A2 2l	26	156.357 \pm 5.944	148.350 – 168.470
A2 2d	26	61.038 \pm 3.558	52.360 – 66.260
A2 3l	26	118.796 \pm 3.991	109.670 – 128.700
A2 3d	26	43.207 \pm 2.587	38.740 – 48.000
A2 4l	26	43.864 \pm 2.942	37.130 – 49.090
A2 4d	26	18.895 \pm 1.616	16.560 – 22.460
A2 reference length1	26	306.226 \pm 14.052	286.561 – 333.889
A2 reference length2	26	187.430 \pm 11.040	174.077 – 208.309
A2 s1-5	26	130.373 \pm 14.142	90.690 – 153.280
A2 G1	26	184.350 \pm 15.331	165.330 – 218.737
A2 G2	26	105.245 \pm 11.920	78.701 – 121.398
A2 GM	26	143.566 \pm 12.201	130.457 – 164.310
Mx palp II l	26	34.497 \pm 1.729	31.750 – 39.040
Mx palp II d	26	19.365 \pm 1.934	15.990 – 22.560
T2 1l	26	114.692 \pm 4.760	107.360 – 124.850
T2 1d	26	60.716 \pm 4.012	54.390 – 71.420
T2 2l	26	76.006 \pm 2.896	71.100 – 81.980
T2 2d	26	42.880 \pm 1.743	40.460 – 46.890
T2 3l	26	71.444 \pm 3.763	65.490 – 82.700
T2 3d	26	40.488 \pm 1.816	37.650 – 44.750
T2 4l	26	18.171 \pm 1.165	15.640 – 20.240
T2 4d	26	24.262 \pm 1.419	21.800 – 26.800
T2 reference length	26	280.313 \pm 8.941	267.980 – 307.680
T2 h1	26	54.583 \pm 4.635	42.183 – 64.403
T2 h2	26	247.396 \pm 16.133	225.649 – 279.394
T2 h3	26	42.401 \pm 3.966	34.446 – 49.820
U l	26	262.343 \pm 15.375	240.730 – 287.460
U d	26	20.440 \pm 3.139	15.760 – 24.910
U Ga	26	166.429 \pm 15.860	144.122 – 196.960
U Gp	26	116.493 \pm 13.699	101.635 – 143.471
U Sa	26	67.785 \pm 8.987	51.367 – 87.049
U Sp	26	70.592 \pm 10.215	52.159 – 99.611
U Gp-Sp	26	27.880 \pm 4.296	19.260 – 35.560
A2 2d/l	26	0.390 \pm 0.017	0.353 – 0.417
A2 3d/l	26	0.364 \pm 0.018	0.331 – 0.401

A2 4d/l	26	0.433 ± 0.052	0.349 – 0.529
A2 s1-5/A2 reference length1	26	0.427 ± 0.050	0.306 – 0.502
A2 G1/A2 reference length1	26	0.601 ± 0.028	0.558 – 0.655
A2 G2/G1	26	0.578 ± 0.099	0.406 – 0.700
A2 G2/A2 reference length2	26	0.565 ± 0.084	0.414 – 0.671
Mx palp II d/l	26	0.563 ± 0.061	0.471 – 0.656
T2 1d/l	26	0.529 ± 0.028	0.494 – 0.592
T2 2d/l	26	0.565 ± 0.024	0.527 – 0.611
T2 3d/l	26	0.568 ± 0.035	0.504 – 0.639
T2 4d/l	26	1.340 ± 0.119	1.194 – 1.632
T2 h2/T2 reference length	26	0.883 ± 0.052	0.811 – 0.992
T2 h3/h1	26	0.781 ± 0.086	0.592 – 0.942
U d/l	26	0.078 ± 0.009	0.061 – 0.089
U Ga/UI	26	0.634 ± 0.035	0.567 – 0.706
U Gp/Ga	26	0.699 ± 0.036	0.576 – 0.745
U Sp/Sa	26	1.063 ± 0.227	0.752 – 1.446
U Gp-Sp/Ga	26	0.170 ± 0.036	0.107 – 0.237

<i>H. reptans</i> M	N	Mean \pm SD	Range (Min.–Max.)
A2 2l	7	142.979 \pm 4.052	137.070 – 147.860
A2 2d	7	59.141 \pm 1.724	57.240 – 61.210
A2 3l	7	117.249 \pm 3.805	110.950 – 122.580
A2 3d	7	43.584 \pm 1.420	41.700 – 45.750
A2 4l	7	37.016 \pm 2.061	34.390 – 39.650
A2 4d	7	17.044 \pm 1.206	15.790 – 18.960
A2 reference length1	7	279.052 \pm 5.568	270.565 – 286.908
A2 reference length2	7	161.804 \pm 3.340	156.620 – 166.778
A2 s1-5	7	108.220 \pm 7.332	97.489 – 118.464
A2 G1	7	63.909 \pm 3.682	57.273 – 69.245
A2 G2	7	156.854 \pm 10.027	140.485 – 168.078
A2 GM	7	124.788 \pm 3.121	121.690 – 129.375
Mx palp II l	7	28.463 \pm 1.148	27.260 – 30.150
Mx palp II d	7	18.114 \pm 0.781	16.480 – 18.950
T2 1l	7	105.971 \pm 1.645	104.870 – 109.270
T2 1d	7	57.269 \pm 2.608	54.040 – 61.310
T2 2l	7	66.831 \pm 3.086	63.260 – 72.680
T2 2d	7	39.691 \pm 2.275	37.610 – 43.730
T2 3l	7	62.169 \pm 2.255	58.740 – 65.030
T2 3d	7	37.844 \pm 0.758	36.690 – 39.060
T2 4l	7	15.471 \pm 1.095	14.050 – 17.550
T2 4d	7	22.701 \pm 0.642	21.830 – 23.480
T2 reference length	7	250.443 \pm 5.254	246.450 – 261.030
T2 h1	7	52.107 \pm 1.852	49.455 – 54.675
T2 h2	7	221.612 \pm 5.544	214.017 – 229.791
T2 h3	7	40.656 \pm 4.642	34.279 – 46.448
U l	7	250.780 \pm 10.286	240.810 – 269.550
U d	7	18.387 \pm 2.420	14.350 – 20.370
U Ga	7	156.411 \pm 3.975	151.417 – 162.015
U Gp	7	112.965 \pm 4.737	105.785 – 119.949
U Sa	7	59.273 \pm 5.387	51.380 – 64.983
U Sp	7	56.033 \pm 3.390	49.281 – 59.084
U Gp-Sp	7	23.499 \pm 4.159	18.960 – 28.380
A2 2d/l	7	0.414 \pm 0.012	0.401 – 0.435
A2 3d/l	7	0.372 \pm 0.010	0.356 – 0.386

A2 4d/l	7	0.461 ± 0.024	0.414 – 0.485
A2 s1-5/A2 reference length1	7	0.388 ± 0.026	0.340 – 0.420
A2 G1/A2 reference length1	7	0.229 ± 0.015	0.206 – 0.256
A2 G2/G1	7	2.461 ± 0.203	2.177 – 2.716
A2 G2/A2 reference length2	7	0.970 ± 0.066	0.842 – 1.042
Mx palp II d/l	7	0.637 ± 0.030	0.588 – 0.677
T2 1d/l	7	0.541 ± 0.027	0.514 – 0.584
T2 2d/l	7	0.595 ± 0.044	0.532 – 0.663
T2 3d/l	7	0.609 ± 0.022	0.584 – 0.643
T2 4d/l	7	1.475 ± 0.134	1.259 – 1.671
T2 h2/T2 reference length	7	0.885 ± 0.025	0.857 – 0.930
T2 h3/h1	7	0.781 ± 0.094	0.637 – 0.883
U d/l	7	0.073 ± 0.010	0.059 – 0.082
U Ga/UI	7	0.624 ± 0.022	0.575 – 0.642
U Gp/Ga	7	0.722 ± 0.025	0.693 – 0.757
U Sp/Sa	7	0.953 ± 0.119	0.798 – 1.150
U Gp-Sp/Ga	7	0.150 ± 0.026	0.117 – 0.180

Table S3. One-Way ANOVA Post-Hoc Unequal N test for sexual dimorphism and differences between species and sexes. The values indicated in bold present significant p values ($p < 0.05$). The abbreviations in the table are *Heterocypris*

barbara (**Hbar**), *H. bosniaca* (**Hbos**), *H. erikae* (**Heri**), *H. exigua* (**Hexi**), *H. gevgelica* (**Hgev**), *H. incongruens* (**Hinc**), *H. reptans* (**Hrep**), *H. rotundata* (**Hrot**), *H. salina* (**Hsal**) and *H. vitrea* (**Hvit**); females (F) and males (M).

log A2 2d/l	Hbar F	Hbar M	Heri F	Heri M	Hexi F	Hexi M	Hgev F	Hinc F	Hrot F	Hsal F	Hsal M	Hvit F	Hbos F	Hbos M	Hrep F	Hrep M	Mean
Hbar F		0.162137	0.999998	0.979104	1.000000	0.492648	0.000079	0.999405	0.940787	0.449559	1.000000	0.482399	0.000029	0.028865	0.000029	0.000031	0.350
Hbar M	0.162137		0.974720	0.999997	0.318742	0.000268	0.281778	0.707741	0.001524	0.999988	1.000000	0.999107	0.000029	0.000043	0.000029	0.000029	0.330
Heri F	0.999998	0.974720		0.999982	0.998925	0.107266	0.001540	1.000000	0.948736	0.999889	1.000000	0.999998	0.000029	0.004051	0.000160	0.000029	0.344
Heri M	0.979104	0.999997	0.999982		0.832877	0.006310	0.038267	0.999943	0.451690	1.000000	1.000000	1.000000	0.000029	0.000268	0.000031	0.000029	0.336
Hexi F	1.000000	0.318742	0.998925	0.832877		0.816866	0.000033	0.999519	1.000000	0.757696	0.999991	0.891697	0.000047	0.085013	0.019923	0.000046	0.355
Hexi M	0.492648	0.000268	0.107266	0.006310	0.816866		0.000029	0.132059	0.985212	0.003815	0.936754	0.010132	0.095011	0.933399	0.951727	0.044081	0.375
Hgev F	0.000079	0.281778	0.001540	0.038267	0.000033	0.000029		0.001102	0.000030	0.057179	0.916094	0.025317	0.000029	0.000029	0.000029	0.000029	0.307
Hinc F	0.999405	0.707741	1.000000	0.999943	0.999519	0.132059	0.001102		0.267104	0.972333	1.000000	0.990488	0.000029	0.005099	0.000029	0.000029	0.345
Hrot F	0.940787	0.001524	0.948736	0.451690	1.000000	0.985212	0.000030	0.267104		0.005225	0.999681	0.003254	0.000030	0.240659	0.000037	0.000231	0.360
Hsal F	0.449559	0.999988	0.999889	1.000000	0.757696	0.003815	0.057179	0.972333	0.005225		1.000000	1.000000	0.000029	0.000179	0.000029	0.000029	0.335
Hsal M	1.000000	1.000000	1.000000	1.000000	0.999991	0.936754	0.916094	1.000000	0.999681	1.000000		1.000000	0.084705	0.243369	0.447967	0.029010	0.339
Hvit F	0.482399	0.999107	0.999998	1.000000	0.891697	0.010132	0.025317	0.990488	0.003254	1.000000	1.000000		0.000029	0.000402	0.000029	0.000029	0.338
Hbos F	0.000029	0.000029	0.000029	0.000029	0.000047	0.095011	0.000029	0.000029	0.000030	0.000029	0.084705	0.000029		0.999999	0.838269	1.000000	0.406
Hbos M	0.028865	0.000043	0.004051	0.000268	0.085013	0.933399	0.000029	0.005099	0.240659	0.000179	0.243369	0.000402	0.999999		1.000000	0.998640	0.397
Hrep F	0.000029	0.000029	0.000160	0.000031	0.019923	0.951727	0.000029	0.000029	0.000037	0.000029	0.447967	0.000029	0.838269	1.000000		0.835850	0.390
Hrep M	0.000031	0.000029	0.000029	0.000029	0.000046	0.044081	0.000029	0.000029	0.000231	0.000029	0.029010	0.000029	1.000000	0.998640	0.835850		0.414

log A2 3d/l	Hbar F	Hbar M	Heri F	Heri M	Hexi F	Hexi M	Hgev F	Hinc F	Hrot F	Hsal F	Hsal M	Hvit F	Hbos F	Hbos M	Hrep F	Hrep M	Mean
Hbar F		0.314235	0.998515	1.000000	0.000029	0.000029	0.013428	0.731266	0.000029	0.000093	0.999640	0.000029	0.000029	0.022380	0.000029	0.000029	0.294
Hbar M	0.314235		0.090241	0.871610	0.000029	0.000029	0.000030	0.001470	0.000029	0.000029	0.816454	0.000029	0.000029	0.000051	0.000029	0.000029	0.276
Heri F	0.998515	0.090241		0.995218	0.000029	0.000041	0.385459	1.000000	0.580280	0.777909	1.000000	0.055079	0.000037	0.280533	0.000033	0.000033	0.305
Heri M	1.000000	0.871610	0.995218		0.000029	0.000029	0.008094	0.993859	0.021371	0.054010	0.999281	0.000289	0.000029	0.015664	0.000029	0.000029	0.293
Hexi F	0.000029	0.000029	0.000029	0.000029		0.039767	0.000029	0.000029	0.000029	0.000029	0.023141	0.000036	0.049254	0.014778	0.076831	0.654263	0.404
Hexi M	0.000029	0.000029	0.000041	0.000029	0.039767		0.339111	0.000043	0.191889	0.092236	0.821522	0.872244	1.000000	0.998702	1.000000	0.999984	0.362
Hgev F	0.013428	0.000030	0.385459	0.008094	0.000029	0.339111		0.407966	1.000000	1.000000	0.999996	0.999993	0.297070	0.999983	0.216457	0.100552	0.331
Hinc F	0.731266	0.001470	1.000000	0.993859	0.000029	0.000043	0.407966		0.005715	0.120166	1.000000	0.000030	0.000029	0.294798	0.000029	0.000034	0.306
Hrot F	0.000029	0.000029	0.580280	0.021371	0.000029	0.191889	1.000000	0.005715		1.000000	1.000000	0.917538	0.009779	0.999747	0.000037	0.050327	0.329
Hsal F	0.000093	0.000029	0.777909	0.054010	0.000029	0.092236	1.000000	0.120166	1.000000		1.000000	0.820979	0.002299	0.997822	0.000045	0.022169	0.330
Hsal M	0.999640	0.816454	1.000000	0.999281	0.023141	0.821522	0.999996	1.000000	1.000000	1.000000		0.999341	0.803511	0.997004	0.761206	0.510552	0.315
Hvit F	0.000029	0.000029	0.055079	0.000289	0.000036	0.872244	0.999993	0.000030	0.917538	0.820979	0.999341		0.434394	1.000000	0.027891	0.465213	0.340
Hbos F	0.000029	0.000029	0.000037	0.000029	0.049254	1.000000	0.297070	0.000029	0.009779	0.002299	0.803511	0.434394		0.997935	1.000000	0.999994	0.362
Hbos M	0.022380	0.000051	0.280533	0.015664	0.014778	0.998702	0.999983	0.294798	0.999747	0.997822	0.997004	1.000000	0.997935		0.994839	0.889295	0.344
Hrep F	0.000029	0.000029	0.000033	0.000029	0.076831	1.000000	0.216457	0.000029	0.000037	0.000045	0.761206	0.027891	1.000000	0.994839		0.999999	0.364
Hrep M	0.000029	0.000029	0.000033	0.000029	0.654263	0.999984	0.100552	0.000034	0.050327	0.022169	0.510552	0.465213	0.999994	0.889295	0.999999		0.372

log A2 4d/l	Hbar F	Hbar M	Heri F	Heri M	Hexi F	Hexi M	Hgev F	Hinc F	Hrot F	Hsal F	Hsal M	Hvit F	Hbos F	Hbos M	Hrep F	Hrep M	Mean
Hbar F		0.139580	1.000000	0.389075	0.000030	0.000029	0.012750	0.867595	0.000070	0.000029	0.009218	0.000030	0.002126	0.001261	0.080868	0.115278	0.399
Hbar M	0.139580		0.934996	1.000000	0.042935	0.001299	0.981064	0.964544	0.999981	0.002130	0.257828	0.982267	0.996301	0.351351	1.000000	0.999311	0.439
Heri F	1.000000	0.934996		0.795323	0.000048	0.000029	0.083242	1.000000	0.570111	0.000111	0.024352	0.228613	0.302539	0.007232	0.993377	0.363359	0.407
Heri M	0.389075	1.000000	0.795323		0.108867	0.004794	0.998221	0.979842	1.000000	0.219198	0.347394	0.999985	0.999998	0.518065	0.999999	0.999979	0.443
Hexi F	0.000030	0.042935	0.000048	0.108867		0.999945	0.848102	0.000324	0.242210	1.000000	0.998602	0.589656	0.490874	1.000000	0.011183	0.851651	0.505
Hexi M	0.000029	0.001299	0.000029	0.004794	0.999945		0.233001	0.000031	0.016312	0.998619	0.999995	0.085300	0.057735	1.000000	0.000237	0.298200	0.526
Hgev F	0.012750	0.981064	0.083242	0.998221	0.848102	0.233001		0.309650	0.999957	0.951299	0.762353	1.000000	1.000000	0.978083	0.877988	1.000000	0.466
Hinc F	0.867595	0.964544	1.000000	0.979842	0.000324	0.000031	0.309650		0.100901	0.000029	0.055532	0.002690	0.234755	0.030589	0.989920	0.707872	0.417
Hrot F	0.000070	0.999981	0.570111	1.000000	0.242210	0.016312	0.999957	0.100901		0.008384	0.453616	0.999967	1.000000	0.696418	0.943947	1.000000	0.450
Hsal F	0.000029	0.002130	0.000111	0.219198	1.000000	0.998619	0.951299	0.000029	0.008384		0.995594	0.109620	0.246115	1.000000	0.000034	0.944835	0.500
Hsal M	0.009218	0.257828	0.024352	0.347394	0.998602	0.999995	0.762353	0.055532	0.453616	0.995594		0.633477	0.587272	0.999152	0.169032	0.679549	0.560
Hvit F	0.000030	0.982267	0.228613	0.999985	0.589656	0.085300	1.000000	0.002690	0.999967	0.109620	0.633477		1.000000	0.907046	0.422224	1.000000	0.459
Hbos F	0.002126	0.996301	0.302539	0.999998	0.490874	0.057735	1.000000	0.234755	1.000000	0.246115	0.587272	1.000000		0.865566	0.922915	1.000000	0.457
Hbos M	0.001261	0.351351	0.007232	0.518065	1.000000	1.000000	0.978083	0.030589	0.696418	1.000000	0.999152	0.907046	0.865566		0.189546	0.939668	0.507
Hrep F	0.080868	1.000000	0.993377	0.999999	0.011183	0.000237	0.877988	0.989920	0.943947	0.000034	0.169032	0.422224	0.922915	0.189546		0.987730	0.433
Hrep M	0.115278	0.999311	0.363359	0.999979	0.851651	0.298200	1.000000	0.707872	1.000000	0.944835	0.679549	1.000000	1.000000	0.939668	0.987730		0.461

log A2 s1-5/A2 refl1	Hbar F	Hbar M	Heri F	Heri M	Hexi F	Hexi M	Hgev F	Hinc F	Hrot F	Hsal F	Hsal M	Hvit F	Hbos F	Hbos M	Hrep F	Hrep M	Mean
Hbar F		0.361162	0.471464	0.000080	0.000029	0.000029	0.056484	0.998613	0.525796	0.000225	0.994496	0.002662	0.000029	0.000031	0.000029	0.000029	1.258
Hbar M	0.361162		1.000000	0.149886	0.000029	0.000029	0.991435	0.929993	0.999992	0.000029	1.000000	1.000000	0.000029	0.000029	0.000029	0.000029	1.338
Heri F	0.471464	1.000000		0.444434	0.000029	0.000029	0.999958	0.905673	0.999406	0.000031	1.000000	1.000000	0.000029	0.000029	0.000029	0.000029	1.360
Heri M	0.000080	0.149886	0.444434		0.000029	0.000029	0.959286	0.001373	0.024960	0.000029	0.999707	0.365006	0.000029	0.000029	0.000029	0.000029	1.470
Hexi F	0.000029	0.000029	0.000029	0.000029		1.000000	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	2.159
Hexi M	0.000029	0.000029	0.000029	0.000029	1.000000		0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	2.162
Hgev F	0.056484	0.991435	0.999958	0.959286	0.000029	0.000029		0.318663	0.833801	0.000029	1.000000	0.999811	0.000029	0.000029	0.000029	0.000029	1.396
Hinc F	0.998613	0.929993	0.905673	0.001373	0.000029	0.000029	0.318663		0.996906	0.000030	0.999746	0.135162	0.000029	0.000029	0.000029	0.000029	1.285
Hrot F	0.525796	0.999992	0.999406	0.024960	0.000029	0.000029	0.833801	0.996906		0.000029	0.999999	0.945061	0.000029	0.000029	0.000029	0.000029	1.314
Hsal F	0.000225	0.000029	0.000031	0.000029	0.000029	0.000029	0.000029	0.000030	0.000029		0.261807	0.000029	0.000029	0.067965	0.000029	0.000029	1.149
Hsal M	0.994496	1.000000	1.000000	0.999707	0.000029	0.000029	1.000000	0.999746	0.999999	0.261807		1.000000	0.000056	0.000124	0.000029	0.000029	1.373
Hvit F	0.002662	1.000000	1.000000	0.365006	0.000029	0.000029	0.999811	0.135162	0.945061	0.000029	1.000000		0.000029	0.000029	0.000029	0.000029	1.355
Hbos F	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000056	0.000029		1.000000	0.000029	0.000029	0.979
Hbos M	0.000031	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.067965	0.000124	0.000029	1.000000		0.000029	0.000029	0.996
Hrep F	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029		0.427
Hrep M	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.421620	0.388

log A2 G1/A2 refl1	Hbar F	Hbar M	Heri F	Heri M	Hexi F	Hexi M	Hgev F	Hinc F	Hrot F	Hsal F	Hsal M	Hvit F	Hbos F	Hbos M	Hrep F	Hrep M	Mean
Hbar F		0.000029	0.849541	0.000029	0.995035	0.000029	0.000029	0.987845	0.002465	0.000030	0.000029	0.002180	0.598325	0.000029	0.000029	0.000029	0.552
Hbar M	0.000029		0.000029	0.646619	0.000029	0.999568	0.000029	0.000029	0.000029	0.000029	1.000000	0.000029	0.000029	0.862798	0.000029	0.993488	0.222
Heri F	0.849541	0.000029		0.000029	1.000000	0.000029	0.000083	0.999121	1.000000	0.887802	0.000029	1.000000	0.015743	0.000029	0.672241	0.000029	0.574
Heri M	0.000029	0.646619	0.000029		0.000029	0.998327	0.000029	0.000029	0.000029	0.000029	0.999896	0.000029	0.000029	1.000000	0.000029	0.999999	0.232
Hexi F	0.995035	0.000029	1.000000	0.000029		0.000029	0.000031	1.000000	0.999272	0.468320	0.000029	0.999459	0.118917	0.000029	0.232957	0.000029	0.567
Hexi M	0.000029	0.999568	0.000029	0.998327	0.000029		0.000029	0.000029	0.000029	0.000029	1.000000	0.000029	0.000029	0.999147	0.000029	1.000000	0.227
Hgev F	0.000029	0.000029	0.000083	0.000029	0.000031	0.000029		0.000029	0.000643	0.113444	0.000029	0.000568	0.000029	0.000029	0.274414	0.000029	0.636
Hinc F	0.987845	0.000029	0.999121	0.000029	1.000000	0.000029	0.000029		0.262878	0.000492	0.000029	0.233943	0.055558	0.000029	0.000030	0.000029	0.561
Hrot F	0.002465	0.000029	1.000000	0.000029	0.999272	0.000029	0.000643	0.262878		0.753125	0.000029	1.000000	0.000033	0.000029	0.181490	0.000029	0.580
Hsal F	0.000030	0.000029	0.887802	0.000029	0.468320	0.000029	0.113444	0.000492	0.753125		0.000029	0.724599	0.000029	0.000029	1.000000	0.000029	0.597
Hsal M	0.000029	1.000000	0.000029	0.999896	0.000029	1.000000	0.000029	0.000029	0.000029	0.000029		0.000029	0.000029	0.999375	0.000029	1.000000	0.224
Hvit F	0.002180	0.000029	1.000000	0.000029	0.999459	0.000029	0.000568	0.233943	1.000000	0.724599	0.000029		0.000034	0.000029	0.161406	0.000029	0.579
Hbos F	0.598325	0.000029	0.015743	0.000029	0.118917	0.000029	0.000029	0.055558	0.000033	0.000029	0.000029	0.000034		0.000029	0.000029	0.000029	0.531
Hbos M	0.000029	0.862798	0.000029	1.000000	0.000029	0.999147	0.000029	0.000029	0.000029	0.000029	0.999375	0.000029	0.000029		0.000029	0.999992	0.234
Hrep F	0.000029	0.000029	0.672241	0.000029	0.232957	0.000029	0.274414	0.000030	0.181490	1.000000	0.000029	0.161406	0.000029	0.000029		0.000029	0.601
Hrep M	0.000029	0.993488	0.000029	0.999999	0.000029	1.000000	0.000029	0.000029	0.000029	0.000029	1.000000	0.000029	0.000029	0.999992	0.000029		0.229

log A2 G2/G1	Hbar F	Hbar M	Heri F	Heri M	Hexi F	Hexi M	Hgev F	Hinc F	Hrot F	Hsal F	Hsal M	Hvit F	Hbos F	Hbos M	Hrep F	Hrep M	Mean
Hbar F		0.000029	0.963976	0.000029	0.999645	0.000029	0.000029	0.000749	1.000000	0.000029	0.000029	0.375204	0.000029	0.000029	0.080604	0.000029	0.612
Hbar M	0.000029		0.000029	1.000000	0.000029	0.727736	0.000029	0.000029	0.000029	0.000029	1.000000	0.000029	0.000029	0.804334	0.000029	1.000000	2.513
Heri F	0.963976	0.000029		0.000029	0.344889	0.000029	0.000029	0.999926	0.924854	0.000046	0.000029	1.000000	0.000038	0.000029	0.033315	0.000029	0.651
Heri M	0.000029	1.000000	0.000029		0.000029	0.487024	0.000029	0.000029	0.000029	0.000029	0.999996	0.000029	0.000029	0.918052	0.000029	1.000000	2.479
Hexi F	0.999645	0.000029	0.344889	0.000029		0.000029	0.000029	0.027612	0.999949	0.000029	0.000029	0.438366	0.000029	0.000029	0.999966	0.000029	0.589
Hexi M	0.000029	0.727736	0.000029	0.487024	0.000029		0.000029	0.000029	0.000029	0.000029	1.000000	0.000029	0.000029	0.024065	0.000029	0.546066	2.726
Hgev F	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029		0.000030	0.000029	0.966637	0.000029	0.000029	0.984032	0.000029	0.000029	0.000029	0.842
Hinc F	0.000749	0.000029	0.999926	0.000029	0.027612	0.000029	0.000030		0.000334	0.000029	0.000029	0.874740	0.000030	0.000029	0.000029	0.000029	0.674
Hrot F	1.000000	0.000029	0.924854	0.000029	0.999949	0.000029	0.000029	0.000334		0.000029	0.000029	0.242407	0.000029	0.000029	0.162813	0.000029	0.609
Hsal F	0.000029	0.000029	0.000046	0.000029	0.000029	0.000029	0.966637	0.000029	0.000029		0.000029	0.000029	1.000000	0.000029	0.000029	0.000029	0.792
Hsal M	0.000029	1.000000	0.000029	0.999996	0.000029	1.000000	0.000029	0.000029	0.000029	0.000029		0.000029	0.000029	0.885647	0.000029	0.999973	2.654
Hvit F	0.375204	0.000029	1.000000	0.000029	0.438366	0.000029	0.000029	0.874740	0.242407	0.000029	0.000029		0.000029	0.000029	0.000030	0.000029	0.648
Hbos F	0.000029	0.000029	0.000038	0.000029	0.000029	0.000029	0.984032	0.000030	0.000029	1.000000	0.000029	0.000029		0.000029	0.000029	0.000029	0.795
Hbos M	0.000029	0.804334	0.000029	0.918052	0.000029	0.024065	0.000029	0.000029	0.000029	0.000029	0.885647	0.000029	0.000029		0.000029	0.966069	2.265
Hrep F	0.080604	0.000029	0.033315	0.000029	0.999966	0.000029	0.000029	0.000029	0.162813	0.000029	0.000029	0.000030	0.000029	0.000029		0.000029	0.578
Hrep M	0.000029	1.000000	0.000029	1.000000	0.000029	0.546066	0.000029	0.000029	0.000029	0.000029	0.999973	0.000029	0.000029	0.966069	0.000029		2.461

log A2 G2/A2 refl2	Hbar F	Hbar M	Heri F	Heri M	Hexi F	Hexi M	Hgev F	Hinc F	Hrot F	Hsal F	Hsal M	Hvit F	Hbos F	Hbos M	Hrep F	Hrep M	Mean
Hbar F		0.000029	0.561895	0.000029	0.442970	0.000029	0.000029	0.000030	1.000000	0.000029	0.000029	0.001599	0.000029	0.000029	0.002971	0.000029	0.606
Hbar M	0.000029		0.000029	0.999677	0.000029	1.000000	0.000029	0.000029	0.000029	0.000029	1.000000	0.000029	0.000029	0.786760	0.000029	0.461368	1.062
Heri F	0.561895	0.000029		0.000029	0.000122	0.000029	0.000029	0.999863	0.594278	0.000030	0.000029	1.000000	0.000142	0.000029	0.000166	0.000029	0.654
Heri M	0.000029	0.999677	0.000029		0.000029	0.985643	0.000029	0.000029	0.000029	0.000029	1.000000	0.000029	0.000029	0.243906	0.000029	0.048772	1.098
Hexi F	0.442970	0.000029	0.000122	0.000029		0.000029	0.000029	0.000030	0.412126	0.000029	0.000029	0.000092	0.000029	0.000029	1.000000	0.000029	0.558
Hexi M	0.000029	1.000000	0.000029	0.985643	0.000029		0.000029	0.000029	0.000029	0.000029	1.000000	0.000029	0.000029	0.934195	0.000029	0.741919	1.047
Hgev F	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029		0.000029	0.000029	0.959509	0.009674	0.000029	0.274367	0.053702	0.000029	0.007513	0.838
Hinc F	0.000030	0.000029	0.999863	0.000029	0.000030	0.000029	0.000029		0.000030	0.000029	0.000029	0.966299	0.000077	0.000029	0.000029	0.000029	0.675
Hrot F	1.000000	0.000029	0.594278	0.000029	0.412126	0.000029	0.000029	0.000030		0.000029	0.000029	0.003051	0.000029	0.000029	0.002191	0.000029	0.606
Hsal F	0.000029	0.000029	0.000030	0.000029	0.000029	0.000029	0.959509	0.000029	0.000029		0.000356	0.000029	0.985358	0.000422	0.000029	0.000036	0.795
Hsal M	0.000029	1.000000	0.000029	1.000000	0.000029	1.000000	0.009674	0.000029	0.000029	0.000356		0.000029	0.000049	0.936145	0.000029	0.924702	1.094
Hvit F	0.001599	0.000029	1.000000	0.000029	0.000092	0.000029	0.000029	0.966299	0.003051	0.000029	0.000029		0.000029	0.000029	0.000029	0.000029	0.656
Hbos F	0.000029	0.000029	0.000142	0.000029	0.000029	0.000029	0.274367	0.000077	0.000029	0.985358	0.000049	0.000029		0.000033	0.000029	0.000029	0.766
Hbos M	0.000029	0.786760	0.000029	0.243906	0.000029	0.934195	0.053702	0.000029	0.000029	0.000422	0.936145	0.000029	0.000033		0.000029	1.000000	0.971
Hrep F	0.002971	0.000029	0.000166	0.000029	1.000000	0.000029	0.000029	0.000029	0.002191	0.000029	0.000029	0.000029	0.000029	0.000029		0.000029	0.565
Hrep M	0.000029	0.461368	0.000029	0.048772	0.000029	0.741919	0.007513	0.000029	0.000029	0.000036	0.924702	0.000029	0.000029	1.000000	0.000029		0.970

log Mx palp II d/I	Hbar F	Hbar M	Heri F	Heri M	Hexi F	Hexi M	Hgev F	Hinc F	Hrot F	Hsal F	Hsal M	Hvit F	Hbos F	Hbos M	Hrep F	Hrep M	Mean
Hbar F		1.000000	0.000033	0.000030	0.000029	0.000029	0.000029	0.000942	1.000000	0.012630	0.940118	0.011209	0.060732	1.000000	0.034891	0.000047	0.522
Hbar M	1.000000		0.000030	0.000029	0.000029	0.000029	0.000029	0.023755	1.000000	0.026259	0.907083	0.099737	0.133622	1.000000	0.145761	0.000035	0.519
Heri F	0.000033	0.000030		1.000000	0.000029	0.000029	0.000029	0.186293	0.000030	0.176680	0.999973	0.074144	0.000029	0.000420	0.053746	1.000000	0.627
Heri M	0.000030	0.000029	1.000000		0.000029	0.000029	0.000029	0.042280	0.000029	0.039391	0.999375	0.012904	0.000029	0.000084	0.008668	1.000000	0.640
Hexi F	0.000029	0.000029	0.000029	0.000029		0.997481	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	1.360
Hexi M	0.000029	0.000029	0.000029	0.000029	0.997481		0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	1.304
Hgev F	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029		0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	1.000
Hinc F	0.000942	0.023755	0.186293	0.042280	0.000029	0.000029	0.000029		0.000198	1.000000	1.000000	1.000000	0.000029	0.526830	0.999995	0.166794	0.570
Hrot F	1.000000	1.000000	0.000030	0.000029	0.000029	0.000029	0.000029	0.000198		0.002782	0.900406	0.002632	0.151104	1.000000	0.007504	0.000034	0.518
Hsal F	0.012630	0.026259	0.176680	0.039391	0.000029	0.000029	0.000029	1.000000	0.002782		1.000000	1.000000	0.000029	0.539146	0.999999	0.158953	0.568
Hsal M	0.940118	0.907083	0.999973	0.999375	0.000029	0.000029	0.000029	1.000000	0.900406	1.000000		0.999998	0.188317	0.783338	0.999996	0.999568	0.590
Hvit F	0.011209	0.099737	0.074144	0.012904	0.000029	0.000029	0.000029	1.000000	0.002632	1.000000	0.999998		0.000029	0.715426	1.000000	0.073116	0.563
Hbos F	0.060732	0.133622	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.151104	0.000029	0.188317	0.000029		0.991478	0.000030	0.000029	0.479
Hbos M	1.000000	1.000000	0.000420	0.000084	0.000029	0.000029	0.000029	0.526830	1.000000	0.539146	0.783338	0.715426	0.991478		0.767849	0.000102	0.509
Hrep F	0.034891	0.145761	0.053746	0.008668	0.000029	0.000029	0.000029	0.999995	0.007504	0.999999	0.999996	1.000000	0.000030	0.767849		0.055064	0.563
Hrep M	0.000047	0.000035	1.000000	1.000000	0.000029	0.000029	0.000029	0.166794	0.000034	0.158953	0.999568	0.073116	0.000029	0.000102	0.055064		0.637

log T2 1d/1	Hbar F	Hbar M	Heri F	Heri M	Hexi F	Hexi M	Hgev F	Hinc F	Hrot F	Hsal F	Hsal M	Hvit F	Hbos F	Hbos M	Hrep F	Hrep M	Mean
Hbar F		0.009909	0.232612	0.000789	0.000029	0.000029	0.000029	0.000029	0.999989	0.000029	0.389513	0.000029	0.997299	0.999388	0.000029	0.000030	0.639
Hbar M	0.009909		1.000000	0.972579	0.001134	0.018995	0.000058	0.913914	0.080494	0.066280	0.997634	0.154782	0.000085	0.999553	0.000030	0.086299	0.593
Heri F	0.232612	1.000000		0.963806	0.000909	0.015851	0.000051	0.990864	0.545042	0.433191	0.997088	0.604673	0.012018	0.999708	0.000566	0.075807	0.594
Heri M	0.000789	0.972579	0.963806		0.249683	0.742746	0.032090	1.000000	0.005665	0.999928	1.000000	0.999998	0.000034	0.663014	0.195555	0.895356	0.570
Hexi F	0.000029	0.001134	0.000909	0.249683		0.999998	0.999997	0.146858	0.000029	0.872456	0.999979	0.742367	0.000029	0.001418	1.000000	0.999999	0.530
Hexi M	0.000029	0.018995	0.015851	0.742746	0.999998		0.989449	0.581937	0.000029	0.998178	1.000000	0.988726	0.000029	0.011907	0.999988	1.000000	0.541
Hgev F	0.000029	0.000058	0.000051	0.032090	0.999997	0.989449		0.014712	0.000029	0.372986	0.998574	0.234016	0.000029	0.000131	1.000000	0.996474	0.522
Hinc F	0.000029	0.913914	0.990864	1.000000	0.146858	0.581937	0.014712		0.000029	0.933445	1.000000	0.959133	0.000029	0.776330	0.000037	0.796189	0.574
Hrot F	0.999989	0.080494	0.545042	0.005665	0.000029	0.000029	0.000029	0.000029		0.000029	0.551603	0.000029	0.898143	0.999995	0.000029	0.000036	0.632
Hsal F	0.000029	0.066280	0.433191	0.999928	0.872456	0.998178	0.372986	0.933445	0.000029		1.000000	1.000000	0.000029	0.196856	0.138176	0.999688	0.557
Hsal M	0.389513	0.997634	0.997088	1.000000	0.999979	1.000000	0.998574	1.000000	0.551603	1.000000		1.000000	0.140878	0.868902	0.999956	1.000000	0.555
Hvit F	0.000029	0.154782	0.604673	0.999998	0.742367	0.988726	0.234016	0.959133	0.000029	1.000000	1.000000		0.000029	0.287572	0.013290	0.997587	0.560
Hbos F	0.997299	0.000085	0.012018	0.000034	0.000029	0.000029	0.000029	0.000029	0.898143	0.000029	0.140878	0.000029		0.908069	0.000029	0.000029	0.655
Hbos M	0.999388	0.999553	0.999708	0.663014	0.001418	0.011907	0.000131	0.776330	0.999995	0.196856	0.868902	0.287572	0.908069		0.001002	0.012930	0.615
Hrep F	0.000029	0.000030	0.000566	0.195555	1.000000	0.999988	1.000000	0.000037	0.000029	0.138176	0.999956	0.013290	0.000029	0.001002		0.999996	0.529
Hrep M	0.000030	0.086299	0.075807	0.895356	0.999999	1.000000	0.996474	0.796189	0.000036	0.999688	1.000000	0.997587	0.000029	0.012930	0.999996		0.541

log T2 2d/1	Hbar F	Hbar M	Heri F	Heri M	Hexi F	Hexi M	Hgev F	Hinc F	Hrot F	Hsal F	Hsal M	Hvit F	Hbos F	Hbos M	Hrep F	Hrep M	Mean
Hbar F		0.981398	0.999998	1.000000	0.000029	0.000029	0.000029	0.000058	0.002580	0.000029	0.998952	0.000030	0.993513	1.000000	0.000029	0.113913	0.637
Hbar M	0.981398		0.899661	1.000000	0.000029	0.000029	0.000031	0.566982	0.000238	0.004345	1.000000	0.224805	0.254964	0.993073	0.000029	0.733050	0.623
Heri F	0.999998	0.899661		0.998111	0.000029	0.000029	0.000029	0.025621	0.940666	0.000123	0.984046	0.006232	1.000000	1.000000	0.000029	0.014974	0.646
Heri M	1.000000	1.000000	0.998111		0.000029	0.000029	0.000029	0.537373	0.196101	0.019490	0.999937	0.273099	0.975813	0.999951	0.000031	0.325972	0.631
Hexi F	0.000029	0.000029	0.000029	0.000029		0.999595	0.270433	0.000029	0.000029	0.000036	0.058809	0.000029	0.000029	0.000029	0.050307	0.000040	0.528
Hexi M	0.000029	0.000029	0.000029	0.000029	0.999595		0.938156	0.000031	0.000029	0.001586	0.228433	0.000045	0.000029	0.000029	0.577567	0.001283	0.540
Hgev F	0.000029	0.000031	0.000029	0.000029	0.270433	0.938156		0.009754	0.000029	0.398292	0.793149	0.037844	0.000029	0.000031	1.000000	0.238981	0.557
Hinc F	0.000058	0.566982	0.025621	0.537373	0.000029	0.000031	0.009754		0.000029	0.840990	1.000000	0.999999	0.000061	0.332739	0.000032	1.000000	0.602
Hrot F	0.002580	0.000238	0.940666	0.196101	0.000029	0.000029	0.000029	0.000029		0.000029	0.622971	0.000029	0.921908	0.996209	0.000029	0.000041	0.668
Hsal F	0.000029	0.004345	0.000123	0.019490	0.000036	0.001586	0.398292	0.840990	0.000029		0.999982	0.991716	0.000029	0.022936	0.162884	1.000000	0.587
Hsal M	0.998952	1.000000	0.984046	0.999937	0.058809	0.228433	0.793149	1.000000	0.622971	0.999982		1.000000	0.959257	0.984506	0.930144	1.000000	0.607
Hvit F	0.000030	0.224805	0.006232	0.273099	0.000029	0.000045	0.037844	0.999999	0.000029	0.991716	1.000000		0.000031	0.177758	0.000131	1.000000	0.597
Hbos F	0.993513	0.254964	1.000000	0.975813	0.000029	0.000029	0.000029	0.000061	0.921908	0.000029	0.959257	0.000031		1.000000	0.000029	0.004668	0.650
Hbos M	1.000000	0.993073	1.000000	0.999951	0.000029	0.000029	0.000031	0.332739	0.996209	0.022936	0.984506	0.177758	1.000000		0.000060	0.103126	0.647
Hrep F	0.000029	0.000029	0.000029	0.000031	0.050307	0.577567	1.000000	0.000032	0.000029	0.162884	0.930144	0.000131	0.000029	0.000060		0.623603	0.565
Hrep M	0.113913	0.733050	0.014974	0.325972	0.000040	0.001283	0.238981	1.000000	0.000041	1.000000	1.000000	1.000000	0.004668	0.103126	0.623603		0.595

log T2 3d/l	Hbar F	Hbar M	Heri F	Heri M	Hexi F	Hexi M	Hgev F	Hinc F	Hrot F	Hsal F	Hsal M	Hvit F	Hbos F	Hbos M	Hrep F	Hrep M	Mean
Hbar F		0.999915	0.945240	0.799018	0.000030	0.000049	0.000334	0.999997	1.000000	0.000030	0.502832	0.000032	0.703814	0.978534	0.000029	0.195720	0.685
Hbar M	0.999915		0.999796	0.994287	0.000062	0.000742	0.006870	1.000000	0.999444	0.003208	0.747632	0.085200	0.130814	0.791234	0.000029	0.609007	0.668
Heri F	0.945240	0.999796		1.000000	0.004064	0.039305	0.178986	0.996249	0.908061	0.751787	0.958344	0.988942	0.053430	0.263859	0.019948	0.988970	0.644
Heri M	0.799018	0.994287	1.000000		0.015122	0.109884	0.371921	0.963216	0.723731	0.922856	0.983428	0.999425	0.016923	0.144435	0.061604	0.999126	0.637
Hexi F	0.000030	0.000062	0.004064	0.015122		1.000000	0.999110	0.000036	0.000030	0.830551	1.000000	0.343945	0.000029	0.000030	1.000000	0.701757	0.560
Hexi M	0.000049	0.000742	0.039305	0.109884	1.000000		1.000000	0.000208	0.000040	0.992497	1.000000	0.786321	0.000029	0.000035	1.000000	0.958175	0.571
Hgev F	0.000334	0.006870	0.178986	0.371921	0.999110	1.000000		0.002111	0.000200	0.999974	1.000000	0.977560	0.000029	0.000082	0.999997	0.998462	0.582
Hinc F	0.999997	1.000000	0.996249	0.963216	0.000036	0.000208	0.002111		0.999930	0.000049	0.652109	0.000137	0.311865	0.899687	0.000029	0.418448	0.684
Hrot F	1.000000	0.999444	0.908061	0.723731	0.000030	0.000040	0.000200	0.999930		0.000030	0.461529	0.000031	0.802218	0.987704	0.000029	0.151645	0.687
Hsal F	0.000030	0.003208	0.751787	0.922856	0.830551	0.992497	0.999974	0.000049	0.000030		0.999999	0.999650	0.000029	0.001244	0.541046	1.000000	0.599
Hsal M	0.502832	0.747632	0.958344	0.983428	1.000000	1.000000	1.000000	0.652109	0.461529	0.999999		0.999855	0.083468	0.049445	1.000000	0.999958	0.571
Hvit F	0.000032	0.085200	0.988942	0.999425	0.343945	0.786321	0.977560	0.000137	0.000031	0.999650	0.999855		0.000029	0.010301	0.011449	1.000000	0.614
Hbos F	0.703814	0.130814	0.053430	0.016923	0.000029	0.000029	0.000029	0.311865	0.802218	0.000029	0.083468	0.000029		1.000000	0.000029	0.001013	0.725
Hbos M	0.978534	0.791234	0.263859	0.144435	0.000030	0.000035	0.000082	0.899687	0.987704	0.001244	0.049445	0.010301	1.000000		0.000032	0.005908	0.734
Hrep F	0.000029	0.000029	0.019948	0.061604	1.000000	1.000000	0.999997	0.000029	0.000029	0.541046	1.000000	0.011449	0.000029	0.000032		0.906572	0.568
Hrep M	0.195720	0.609007	0.988970	0.999126	0.701757	0.958175	0.998462	0.418448	0.151645	1.000000	0.999958	1.000000	0.001013	0.005908	0.906572		0.609

log T2 4d/l	Hbar F	Hbar M	Heri F	Heri M	Hexi F	Hexi M	Hgev F	Hinc F	Hrot F	Hsal F	Hsal M	Hvit F	Hbos F	Hbos M	Hrep F	Hrep M	Mean
Hbar F		1.000000	0.836260	0.003336	0.999681	1.000000	0.574853	0.916397	0.000029	0.243886	0.999488	0.000450	0.082220	0.995003	0.001986	0.001079	1.215
Hbar M	1.000000		0.933705	0.008492	0.996748	1.000000	0.400880	0.954341	0.000680	0.716290	0.999860	0.104201	0.184294	0.998939	0.148656	0.002617	1.231
Heri F	0.836260	0.933705		0.712767	0.158952	0.983052	0.001509	0.167684	0.960042	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	0.346876	1.311
Heri M	0.003336	0.008492	0.712767		0.000050	0.021578	0.000029	0.000052	1.000000	0.625966	0.999964	0.977768	0.962954	0.925971	0.961167	0.999995	1.426
Hexi F	0.999681	0.996748	0.158952	0.000050		0.979732	0.995192	1.000000	0.000358	0.212499	0.972740	0.022768	0.031081	0.763139	0.032028	0.000039	1.168
Hexi M	1.000000	1.000000	0.983052	0.021578	0.979732		0.241960	0.982237	0.115911	0.992542	0.999973	0.742805	0.800009	0.999875	0.805276	0.006502	1.238
Hgev F	0.574853	0.400880	0.001509	0.000029	0.995192	0.241960		0.994315	0.000030	0.002516	0.698183	0.000096	0.000136	0.134050	0.000141	0.000029	1.110
Hinc F	0.916397	0.954341	0.167684	0.000052	1.000000	0.982237	0.994315		0.000029	0.001164	0.974271	0.000029	0.000527	0.773266	0.000030	0.000040	1.170
Hrot F	0.000029	0.000680	0.960042	1.000000	0.000358	0.115911	0.000030	0.000029		0.333543	1.000000	0.934425	0.990082	0.992672	0.884698	0.997928	1.397
Hsal F	0.243886	0.716290	1.000000	0.625966	0.212499	0.992542	0.002516	0.001164	0.333543		1.000000	0.998928	0.999972	1.000000	0.999799	0.280716	1.309
Hsal M	0.999488	0.999860	1.000000	0.999964	0.972740	0.999973	0.698183	0.974271	1.000000	1.000000		1.000000	1.000000	1.000000	1.000000	0.996621	1.343
Hvit F	0.000450	0.104201	1.000000	0.977768	0.022768	0.742805	0.000096	0.000029	0.934425	0.998928	1.000000		1.000000	1.000000	1.000000	0.757172	1.343
Hbos F	0.082220	0.184294	1.000000	0.962954	0.031081	0.800009	0.000136	0.000527	0.990082	0.999972	1.000000	1.000000		1.000000	1.000000	0.702992	1.339
Hbos M	0.995003	0.998939	1.000000	0.925971	0.763139	0.999875	0.134050	0.773266	0.992672	1.000000	1.000000	1.000000	1.000000		1.000000	0.539612	1.299
Hrep F	0.001986	0.148656	1.000000	0.961167	0.032028	0.805276	0.000141	0.000030	0.884698	0.999799	1.000000	1.000000	1.000000	1.000000		0.697436	1.340
Hrep M	0.001079	0.002617	0.346876	0.999995	0.000039	0.006502	0.000029	0.000040	0.997928	0.280716	0.996621	0.757172	0.702992	0.539612	0.697436		1.475

log T2 h2/T2refl	Hbar F	Hbar M	Heri F	Heri M	Hexi F	Hexi M	Hgev F	Hinc F	Hrot F	Hsal F	Hsal M	Hvit F	Hbos F	Hbos M	Hrep F	Hrep M	Mean
Hbar F		1.000000	0.066429	0.001826	0.658461	0.999828	0.000029	0.467234	0.000029	0.000029	1.000000	0.000031	0.000029	0.000029	0.000029	0.000044	0.778
Hbar M	1.000000		0.018570	0.000334	0.372871	0.992786	0.000029	0.992248	0.000036	0.000029	1.000000	0.000206	0.000029	0.000029	0.000029	0.000031	0.772
Heri F	0.066429	0.018570		0.999875	0.999505	0.590691	0.000029	0.000243	1.000000	0.595577	0.994972	1.000000	0.000029	0.000029	0.512710	0.607530	0.836
Heri M	0.001826	0.000334	0.999875		0.798130	0.071631	0.000029	0.000030	0.999999	0.992962	0.922791	0.999465	0.000029	0.000029	0.984939	0.985891	0.854
Hexi F	0.658461	0.372871	0.999505	0.798130		0.997075	0.000029	0.021691	0.990703	0.051214	0.999985	0.999886	0.000029	0.000029	0.036001	0.079494	0.817
Hexi M	0.999828	0.992786	0.590691	0.071631	0.997075		0.000029	0.538429	0.349360	0.000339	1.000000	0.681769	0.000029	0.000029	0.000210	0.001249	0.795
Hgev F	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029		0.000029	0.000029	0.000034	0.000089	0.000029	0.000029	0.000029	0.000038	0.000594	0.990
Hinc F	0.467234	0.992248	0.000243	0.000030	0.021691	0.538429	0.000029		0.000029	0.000029	0.999938	0.000029	0.000029	0.000029	0.000029	0.000029	0.755
Hrot F	0.000029	0.000036	1.000000	0.999999	0.990703	0.349360	0.000029	0.000029		0.140882	0.984680	0.999992	0.000029	0.000029	0.028090	0.807011	0.842
Hsal F	0.000029	0.000029	0.595577	0.992962	0.051214	0.000339	0.000034	0.000029	0.140882		0.525191	0.016144	0.000029	0.000029	1.000000	1.000000	0.880
Hsal M	1.000000	1.000000	0.994972	0.922791	0.999985	1.000000	0.000089	0.999938	0.984680	0.525191		0.996875	0.000029	0.000224	0.486353	0.421060	0.786
Hvit F	0.000031	0.000206	1.000000	0.999465	0.999886	0.681769	0.000029	0.000029	0.999992	0.016144	0.996875		0.000029	0.000029	0.001392	0.525355	0.834
Hbos F	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029		0.560591	0.000029	0.000029	0.588
Hbos M	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000029	0.000224	0.000029	0.560591		0.000029	0.000029	0.631
Hrep F	0.000029	0.000029	0.512710	0.984939	0.036001	0.000210	0.000038	0.000029	0.028090	1.000000	0.486353	0.001392	0.000029	0.000029		1.000000	0.883
Hrep M	0.000044	0.000031	0.607530	0.985891	0.079494	0.001249	0.000594	0.000029	0.807011	1.000000	0.421060	0.525355	0.000029	0.000029	1.000000		0.885

log T2 h3/h1	Hbar F	Hbar M	Heri F	Heri M	Hexi F	Hexi M	Hgev F	Hinc F	Hrot F	Hsal F	Hsal M	Hvit F	Hbos F	Hbos M	Hrep F	Hrep M	Mean
Hbar F		0.996319	0.994615	1.000000	0.000029	0.000029	0.000036	0.224001	1.000000	1.000000	0.999997	0.960201	0.000030	0.020443	1.000000	1.000000	0.791
Hbar M	0.996319		0.621548	0.989034	0.000029	0.000029	0.000029	0.999957	0.955929	0.957538	0.998570	0.447315	0.000921	0.181569	0.997633	0.999986	0.735
Heri F	0.994615	0.621548		0.999967	0.000029	0.000029	0.005089	0.181700	0.999633	0.999609	1.000000	1.000000	0.000030	0.000330	0.992777	0.998078	0.863
Heri M	1.000000	0.989034	0.999967		0.000029	0.000029	0.000118	0.766203	1.000000	1.000000	1.000000	1.000000	0.000141	0.005497	1.000000	1.000000	0.816
Hexi F	0.000029	0.000029	0.000029	0.000029		1.000000	0.000064	0.000029	0.000029	0.000029	0.002590	0.000029	0.000029	0.000029	0.000029	0.000029	1.660
Hexi M	0.000029	0.000029	0.000029	0.000029	1.000000		0.000034	0.000029	0.000029	0.000029	0.001232	0.000029	0.000029	0.000029	0.000029	0.000029	1.700
Hgev F	0.000036	0.000029	0.005089	0.000118	0.000064	0.000034		0.000029	0.000063	0.000062	0.911904	0.000909	0.000029	0.000029	0.000035	0.000207	1.150
Hinc F	0.224001	0.999957	0.181700	0.766203	0.000029	0.000029	0.000029		0.070130	0.206321	0.982940	0.000473	0.028451	0.491770	0.322458	0.991026	0.697
Hrot F	1.000000	0.955929	0.999633	1.000000	0.000029	0.000029	0.000063	0.070130		1.000000	1.000000	0.999185	0.000030	0.009406	1.000000	1.000000	0.798
Hsal F	1.000000	0.957538	0.999609	1.000000	0.000029	0.000029	0.000062	0.206321	1.000000		1.000000	0.999802	0.000030	0.009553	1.000000	1.000000	0.804
Hsal M	0.999997	0.998570	1.000000	1.000000	0.002590	0.001232	0.911904	0.982940	1.000000	1.000000		1.000000	0.262012	0.143678	0.999996	0.999996	0.870
Hvit F	0.960201	0.447315	1.000000	1.000000	0.000029	0.000029	0.000909	0.000473	0.999185	0.999802	1.000000		0.000029	0.001263	0.959121	0.999972	0.838
Hbos F	0.000030	0.000921	0.000030	0.000141	0.000029	0.000029	0.000029	0.028451	0.000030	0.000030	0.262012	0.000029		1.000000	0.000031	0.010951	0.587
Hbos M	0.020443	0.181569	0.000330	0.005497	0.000029	0.000029	0.000029	0.491770	0.009406	0.009553	0.143678	0.001263	1.000000		0.022614	0.022846	0.550
Hrep F	1.000000	0.997633	0.992777	1.000000	0.000029	0.000029	0.000035	0.322458	1.000000	1.000000	0.999996	0.959121	0.000031	0.022614		1.000000	0.781
Hrep M	1.000000	0.999986	0.998078	1.000000	0.000029	0.000029	0.000207	0.991026	1.000000	1.000000	0.999996	0.999972	0.010951	0.022846	1.000000		0.781

log U d/l	Hbar F	Hbar M	Heri F	Heri M	Hexi F	Hexi M	Hgev F	Hinc F	Hrot F	Hsal F	Hsal M	Hvit F	Hbos F	Hbos M	Hrep F	Hrep M	Mean
Hbar F		0.992319	0.189562	0.104886	0.752091	0.940435	1.000000	0.362273	0.051850	1.000000	1.000000	1.000000	0.001991	0.071651	0.132697	0.364483	0.085
Hbar M	0.992319		0.869239	0.737779	0.999492	0.999999	1.000000	1.000000	0.997463	0.999147	1.000000	0.979229	0.194177	0.443893	0.999677	0.938018	0.081
Heri F	0.189562	0.869239		1.000000	0.999982	0.997866	0.486021	0.987678	0.999849	0.289558	0.996609	0.143480	1.000000	0.999329	0.999141	1.000000	0.073
Heri M	0.104886	0.737779	1.000000		0.999618	0.987328	0.325662	0.953379	0.998216	0.172398	0.992104	0.076193	1.000000	0.999911	0.993554	1.000000	0.072
Hexi F	0.752091	0.999492	0.999982	0.999618		1.000000	0.959324	1.000000	1.000000	0.860946	0.999958	0.674921	0.998404	0.939397	1.000000	0.999992	0.076
Hexi M	0.940435	0.999999	0.997866	0.987328	1.000000		0.997282	1.000000	1.000000	0.978194	0.999998	0.903450	0.970363	0.812320	1.000000	0.999194	0.078
Hgev F	1.000000	1.000000	0.486021	0.325662	0.959324	0.997282		0.999719	0.982809	1.000000	1.000000	1.000000	0.243825	0.186918	0.994097	0.673932	0.083
Hinc F	0.362273	1.000000	0.987678	0.953379	1.000000	1.000000	0.999719		0.999987	0.820251	1.000000	0.216086	0.593325	0.704990	1.000000	0.995158	0.079
Hrot F	0.051850	0.997463	0.999849	0.998216	1.000000	1.000000	0.982809	0.999987		0.314376	0.999986	0.027515	0.937489	0.901794	1.000000	0.999942	0.077
Hsal F	1.000000	0.999147	0.289558	0.172398	0.860946	0.978194	1.000000	0.820251	0.314376		1.000000	1.000000	0.005470	0.107501	0.476932	0.484236	0.084
Hsal M	1.000000	1.000000	0.996609	0.992104	0.999958	0.999998	1.000000	1.000000	0.999986	1.000000		1.000000	0.987516	0.836131	0.999996	0.995859	0.083
Hvit F	1.000000	0.979229	0.143480	0.076193	0.674921	0.903450	1.000000	0.216086	0.027515	1.000000	1.000000		0.001068	0.055619	0.078188	0.300943	0.085
Hbos F	0.001991	0.194177	1.000000	1.000000	0.998404	0.970363	0.243825	0.593325	0.937489	0.005470	0.987516	0.001068		0.999980	0.861353	1.000000	0.072
Hbos M	0.071651	0.443893	0.999329	0.999911	0.939397	0.812320	0.186918	0.704990	0.901794	0.107501	0.836131	0.055619	0.999980		0.850522	0.999556	0.068
Hrep F	0.132697	0.999677	0.999141	0.993554	1.000000	1.000000	0.994097	1.000000	1.000000	0.476932	0.999996	0.078188	0.861353	0.850522		0.999676	0.078
Hrep M	0.364483	0.938018	1.000000	1.000000	0.999992	0.999194	0.673932	0.995158	0.999942	0.484236	0.995859	0.300943	1.000000	0.999556	0.999676		0.073

log U Ga/Ul	Hbar F	Hbar M	Heri F	Heri M	Hexi F	Hexi M	Hgev F	Hinc F	Hrot F	Hsal F	Hsal M	Hvit F	Hbos F	Hbos M	Hrep F	Hrep M	Mean
Hbar F		0.999907	0.623009	0.191079	0.000029	0.000030	0.000034	0.000029	0.009953	0.999203	0.999978	0.999512	0.000029	0.001874	0.000029	0.022616	0.699
Hbar M	0.999907		0.969886	0.667405	0.000029	0.000046	0.000256	0.000307	0.798206	1.000000	1.000000	1.000000	0.000029	0.015484	0.009859	0.153039	0.684
Heri F	0.623009	0.969886		0.999999	0.000040	0.023997	0.113349	0.860472	1.000000	0.974522	1.000000	0.950146	0.020768	0.412527	0.995151	0.962565	0.656
Heri M	0.191079	0.667405	0.999999		0.000366	0.169677	0.469423	0.996428	0.999998	0.688604	1.000000	0.595780	0.153004	0.767439	0.999999	0.999604	0.645
Hexi F	0.000029	0.000029	0.000040	0.000366		0.955543	0.724955	0.058206	0.000037	0.000029	0.301399	0.000029	0.964106	0.992520	0.006672	0.147921	0.570
Hexi M	0.000030	0.000046	0.023997	0.169677	0.955543		1.000000	0.944229	0.019559	0.000049	0.847237	0.000039	1.000000	1.000000	0.606567	0.971735	0.596
Hgev F	0.000034	0.000256	0.113349	0.469423	0.724955	1.000000		0.998048	0.096447	0.000291	0.940107	0.000169	1.000000	1.000000	0.906634	0.999020	0.603
Hinc F	0.000029	0.000307	0.860472	0.996428	0.058206	0.944229	0.998048		0.046424	0.000039	0.998945	0.000029	0.651779	0.999088	0.999696	1.000000	0.624
Hrot F	0.009953	0.798206	1.000000	0.999998	0.000037	0.019559	0.096447	0.046424		0.622847	1.000000	0.254331	0.000174	0.382106	0.588593	0.951357	0.657
Hsal F	0.999203	1.000000	0.974522	0.688604	0.000029	0.000049	0.000291	0.000039	0.622847		1.000000	1.000000	0.000029	0.016764	0.001136	0.163406	0.684
Hsal M	0.999978	1.000000	1.000000	1.000000	0.301399	0.847237	0.940107	0.998945	1.000000	1.000000		1.000000	0.837098	0.888296	0.999970	0.999292	0.664
Hvit F	0.999512	1.000000	0.950146	0.595780	0.000029	0.000039	0.000169	0.000029	0.254331	1.000000	1.000000		0.000029	0.011888	0.000061	0.122528	0.686
Hbos F	0.000029	0.000029	0.020768	0.153004	0.964106	1.000000	1.000000	0.651779	0.000174	0.000029	0.837098	0.000029		1.000000	0.147934	0.965460	0.595
Hbos M	0.001874	0.015484	0.412527	0.767439	0.992520	1.000000	1.000000	0.999088	0.382106	0.016764	0.888296	0.011888	1.000000		0.969748	0.998336	0.598
Hrep F	0.000029	0.009859	0.995151	0.999999	0.006672	0.606567	0.906634	0.999696	0.588593	0.001136	0.999970	0.000061	0.147934	0.969748		1.000000	0.634
Hrep M	0.022616	0.153039	0.962565	0.999604	0.147921	0.971735	0.999020	1.000000	0.951357	0.163406	0.999292	0.122528	0.965460	0.998336	1.000000		0.624

log U Gp/Ga	Hbar F	Hbar M	Heri F	Heri M	Hexi F	Hexi M	Hgev F	Hinc F	Hrot F	Hsal F	Hsal M	Hvit F	Hbos F	Hbos M	Hrep F	Hrep M	Mean
Hbar F		0.293476	0.615972	0.905813	0.215837	0.862537	1.000000	0.999989	0.039489	0.912205	0.614631	0.000029	0.757784	0.999984	0.983004	1.000000	0.714
Hbar M	0.293476		1.000000	1.000000	0.999983	1.000000	0.841423	0.730116	1.000000	0.998681	0.994579	0.482276	1.000000	0.999997	0.971542	0.635121	0.682
Heri F	0.615972	1.000000		1.000000	1.000000	1.000000	0.688235	0.895339	1.000000	0.999222	0.997939	0.964600	0.999999	0.999951	0.989258	0.472966	0.676
Heri M	0.905813	1.000000	1.000000		0.999575	1.000000	0.938468	0.992663	1.000000	0.999999	0.987648	0.763709	1.000000	1.000000	0.999901	0.781685	0.683
Hexi F	0.215837	0.999983	1.000000	0.999575		0.999872	0.268568	0.513884	0.999963	0.944487	0.999904	0.999708	0.997084	0.994613	0.816416	0.161900	0.667
Hexi M	0.862537	1.000000	1.000000	1.000000	0.999872		0.905101	0.985268	1.000000	0.999996	0.991107	0.823881	1.000000	1.000000	0.999659	0.723918	0.682
Hgev F	1.000000	0.841423	0.688235	0.938468	0.268568	0.905101		1.000000	0.865941	0.999459	0.649167	0.012043	0.978148	0.999995	0.999992	1.000000	0.713
Hinc F	0.999989	0.730116	0.895339	0.992663	0.513884	0.985268	1.000000		0.321902	0.999250	0.766690	0.000029	0.979726	1.000000	0.999997	0.999972	0.706
Hrot F	0.039489	1.000000	1.000000	1.000000	0.999963	1.000000	0.865941	0.321902		0.996803	0.993524	0.070949	1.000000	0.999999	0.859556	0.666956	0.681
Hsal F	0.912205	0.998681	0.999222	0.999999	0.944487	0.999996	0.999459	0.999250	0.996803		0.932547	0.002876	1.000000	1.000000	1.000000	0.981955	0.694
Hsal M	0.614631	0.994579	0.997939	0.987648	0.999904	0.991107	0.649167	0.766690	0.993524	0.932547		1.000000	0.977795	0.920027	0.877988	0.428356	0.636
Hvit F	0.000029	0.482276	0.964600	0.763709	0.999708	0.823881	0.012043	0.000029	0.070949	0.002876	1.000000		0.183629	0.760549	0.000051	0.008426	0.651
Hbos F	0.757784	1.000000	0.999999	1.000000	0.997084	1.000000	0.978148	0.979726	1.000000	1.000000	0.977795	0.183629		1.000000	0.999862	0.875025	0.687
Hbos M	0.999984	0.999997	0.999951	1.000000	0.994613	1.000000	0.999995	1.000000	0.999999	1.000000	0.920027	0.760549	1.000000		1.000000	0.998121	0.695
Hrep F	0.983004	0.971542	0.989258	0.999901	0.816416	0.999659	0.999992	0.999997	0.859556	1.000000	0.877988	0.000051	0.999862	1.000000		0.997646	0.699
Hrep M	1.000000	0.635121	0.472966	0.781685	0.161900	0.723918	1.000000	0.999972	0.666956	0.981955	0.428356	0.008426	0.875025	0.998121	0.997646		0.722

log U Sp/Sa	Hbar F	Hbar M	Heri F	Heri M	Hexi F	Hexi M	Hgev F	Hinc F	Hrot F	Hsal F	Hsal M	Hvit F	Hbos F	Hbos M	Hrep F	Hrep M	Mean
Hbar F		1.000000	0.057201	0.208326	0.980331	0.000231	0.999998	0.515616	1.000000	0.084497	1.000000	0.850767	0.999747	1.000000	0.000029	0.000086	1.394
Hbar M	1.000000		0.118261	0.353367	0.927372	0.000085	0.999900	0.714086	1.000000	0.107135	1.000000	0.914404	0.994308	1.000000	0.000037	0.000205	1.371
Heri F	0.057201	0.118261		1.000000	0.000130	0.000029	0.004544	0.000231	0.056467	0.000033	0.824969	0.000794	0.003111	0.607038	0.999951	0.808492	1.105
Heri M	0.208326	0.353367	1.000000		0.001021	0.000029	0.026746	0.001857	0.206304	0.000078	0.923896	0.005888	0.019409	0.841249	0.993073	0.513015	1.156
Hexi F	0.980331	0.927372	0.000130	0.001021		0.086500	0.999985	1.000000	0.980829	1.000000	1.000000	1.000000	0.999997	0.994724	0.000030	0.000029	1.540
Hexi M	0.000231	0.000085	0.000029	0.000029	0.086500		0.004905	0.057256	0.000235	0.372480	0.901642	0.022800	0.007044	0.016333	0.000029	0.000029	1.923
Hgev F	0.999998	0.999900	0.004544	0.026746	0.999985	0.004905		0.999999	0.999998	0.989265	1.000000	1.000000	1.000000	0.999997	0.000096	0.000031	1.460
Hinc F	0.515616	0.714086	0.000231	0.001857	1.000000	0.057256	0.999999		0.554763	0.999079	1.000000	1.000000	0.999994	0.997774	0.000029	0.000029	1.524
Hrot F	1.000000	1.000000	0.056467	0.206304	0.980829	0.000235	0.999998	0.554763		0.086068	1.000000	0.871485	0.999763	1.000000	0.000029	0.000085	1.396
Hsal F	0.084497	0.107135	0.000033	0.000078	1.000000	0.372480	0.989265	0.999079	0.086068		1.000000	0.974715	0.939949	0.921211	0.000029	0.000029	1.607
Hsal M	1.000000	1.000000	0.824969	0.923896	1.000000	0.901642	1.000000	1.000000	1.000000	1.000000		1.000000	1.000000	1.000000	0.528475	0.134852	1.466
Hvit F	0.850767	0.914404	0.000794	0.005888	1.000000	0.022800	1.000000	1.000000	0.871485	0.974715	1.000000		1.000000	0.999741	0.000029	0.000030	1.495
Hbos F	0.999747	0.994308	0.003111	0.019409	0.999997	0.007044	1.000000	0.999994	0.999763	0.939949	1.000000	1.000000		0.999991	0.000029	0.000030	1.482
Hbos M	1.000000	1.000000	0.607038	0.841249	0.994724	0.016333	0.999997	0.997774	1.000000	0.921211	1.000000	0.999741	0.999991		0.172159	0.005487	1.363
Hrep F	0.000029	0.000037	0.999951	0.993073	0.000030	0.000029	0.000096	0.000029	0.000029	0.000029	0.528475	0.000029	0.000029	0.172159		0.997638	1.063
Hrep M	0.000086	0.000205	0.808492	0.513015	0.000029	0.000029	0.000031	0.000029	0.000085	0.000029	0.134852	0.000030	0.000030	0.005487	0.997638		0.953

log U Gp- Sp/Ga	Hbar F	Hbar M	Heri F	Heri M	Hexi F	Hexi M	Hgev F	Hinc F	Hrot F	Hsal F	Hsal M	Hvit F	Hbos F	Hbos M	Hrep F	Hrep M	Mean
Hbar F		1.000000	0.000030	0.000061	0.000274	0.000132	1.000000	0.000290	0.000029	0.000029	0.026914	0.000029	1.000000	0.609810	0.039801	0.108014	0.196
Hbar M	1.000000		0.000030	0.000037	0.000830	0.000385	1.000000	0.009593	0.000031	0.000029	0.017791	0.000029	1.000000	0.468931	0.139542	0.056542	0.199
Heri F	0.000030	0.000030		0.999999	0.000029	0.000029	0.000032	0.122319	0.919288	1.000000	0.999962	1.000000	0.000030	0.824688	0.017176	0.855566	0.129
Heri M	0.000061	0.000037	0.999999		0.000029	0.000029	0.000126	0.508652	0.999240	1.000000	0.998382	0.999986	0.000049	0.982668	0.141983	0.993954	0.137
Hexi F	0.000274	0.000830	0.000029	0.000029		1.000000	0.000113	0.000029	0.000029	0.000029	0.000030	0.000029	0.000401	0.000030	0.000029	0.000029	0.277
Hexi M	0.000132	0.000385	0.000029	0.000029	1.000000		0.000063	0.000029	0.000029	0.000029	0.000030	0.000029	0.000189	0.000030	0.000029	0.000029	0.281
Hgev F	1.000000	1.000000	0.000032	0.000126	0.000113	0.000063		0.500408	0.014186	0.000050	0.037721	0.000030	1.000000	0.724989	0.899827	0.176533	0.191
Hinc F	0.000290	0.009593	0.122319	0.508652	0.000029	0.000029	0.500408		0.621335	0.003048	0.584019	0.000030	0.031963	1.000000	0.999663	0.999987	0.160
Hrot F	0.000029	0.000031	0.919288	0.999240	0.000029	0.000029	0.014186	0.621335		0.732669	0.940488	0.062392	0.000043	0.999999	0.072149	1.000000	0.145
Hsal F	0.000029	0.000029	1.000000	1.000000	0.000029	0.000029	0.000050	0.003048	0.732669		0.999601	0.999987	0.000029	0.943598	0.000061	0.968173	0.130
Hsal M	0.026914	0.017791	0.999962	0.998382	0.000030	0.000030	0.037721	0.584019	0.940488	0.999601		0.999987	0.023376	0.734847	0.368420	0.867592	0.109
Hvit F	0.000029	0.000029	1.000000	0.999986	0.000029	0.000029	0.000030	0.000030	0.062392	0.999987	0.999987		0.000029	0.759516	0.000029	0.784097	0.126
Hbos F	1.000000	1.000000	0.000030	0.000049	0.000401	0.000189	1.000000	0.031963	0.000043	0.000029	0.023376	0.000029		0.560922	0.288378	0.087066	0.196
Hbos M	0.609810	0.468931	0.824688	0.982668	0.000030	0.000030	0.724989	1.000000	0.999999	0.943598	0.734847	0.759516	0.560922		0.999992	1.000000	0.157
Hrep F	0.039801	0.139542	0.017176	0.141983	0.000029	0.000029	0.899827	0.999663	0.072149	0.000061	0.368420	0.000029	0.288378	0.999992		0.993805	0.170
Hrep M	0.108014	0.056542	0.855566	0.993954	0.000029	0.000029	0.176533	0.999987	1.000000	0.968173	0.867592	0.784097	0.087066	1.000000	0.993805		0.150

Table S4. The statistical significance (F and p values) obtained from discriminant analyses for segment ratios for females (A) and males (B) and for setae and claw ratios for females (C) and males (D)

A

F \ p	Hbar	Heri	Hexi	Hgev	Hinc	Hrot	Hsal	Hvit	Hbos	Hrep
Hbar		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Heri	11.165		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hexi	209.656	98.056		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hgev	106.656	45.593	18.204		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hinc	14.936	8.753	156.438	68.879		0.00000	0.00000	0.00000	0.00000	0.00000
Hrot	17.688	10.752	217.946	121.820	34.604		0.00000	0.00000	0.00000	0.00000
Hsal	31.708	13.884	139.881	62.612	14.458	32.472		0.00125	0.00000	0.00000
Hvit	33.149	12.405	158.833	72.826	16.190	31.295	3.204		0.00000	0.00000
Hbos	24.843	21.005	198.457	124.174	36.728	10.106	39.191	39.012		0.00000
Hrep	64.667	23.947	140.372	77.507	35.450	58.935	22.440	22.239	42.580	

B

F \ p	Hbar	Heri	Hexi	Hsal	Hbos	Hrep
Hbar		0.000000	0.000000	0.000016	0.000000	0.000000
Heri	9.4547		0.000000	0.003041	0.000000	0.000000
Hexi	162.8204	84.3584		0.000000	0.000000	0.000000
Hsal	6.7857	3.6049	28.6883		0.000031	0.000788
Hbos	11.8913	12.9568	86.4260	6.3494		0.000000
Hrep	34.5684	15.8324	56.9586	4.3499	12.0613	

C

F \ p	Hbar	Heri	Hexi	Hgev	Hinc	Hrot	Hsal	Hvit	Hbos	Hrep
Hbar		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Heri	19.945		0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000
Hexi	93.039	60.058		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hgev	102.953	44.842	83.377		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Hinc	19.949	11.452	112.374	89.482		0.00000	0.00000	0.00000	0.00000	0.00000
Hrot	22.823	5.586	76.372	63.200	16.079		0.00000	0.00000	0.00000	0.00000
Hsal	83.278	27.047	148.315	32.429	53.025	47.667		0.00000	0.00000	0.00000
Hvit	33.876	4.521	91.167	70.285	18.945	5.967	45.283		0.00000	0.00000
Hbos	106.999	75.554	217.551	147.913	74.352	123.317	100.750	130.406		0.00000
Hrep	470.501	247.267	485.686	248.526	435.109	458.012	283.146	511.018	195.245	

D

F \ p	Hbar	Heri	Hexi	Hsal	Hbos	Hrep
Hbar		0.00000	0.00000	0.00639	0.00000	0.00000
Heri	10.1684		0.00000	0.03526	0.00000	0.00000
Hexi	93.4694	67.8367		0.00000	0.00000	0.00000
Hsal	3.1361	2.3002	25.7554		0.00000	0.00000
Hbos	36.2259	36.8263	100.8187	10.9334		0.00000
Hrep	385.7018	312.3519	532.3268	116.6497	152.0888	