

Supplementary material 1, Table S1. Measurements (in μm) of selected morphological structures of *Hypsibius* sp. from Mt. Gassan, individuals mounted in Hoyer's medium (N - Number of the measured structures. Range - the smallest and the largest measurements of the structure, SD - standard deviation).

CHARACTER	N	RANGE						MEAN		SD	
		μm			pt			μm	pt	μm	pt
Body length	30	222	–	417	935	–	1349	330	1205	47	90
Buccopharyngeal tube											
Buccal tube length	30	22.2	–	34.7		–		27.4	–	3.4	–
Stylet support insertion point	30	13.8	–	20.6	58.7	–	66.4	17.1	62.5	2.0	2.0
Buccal tube external width	30	3.1	–	4.2	9.8	–	16.0	3.5	12.8	0.3	1.7
Buccal tube internal width	30	1.6	–	2.8	5.5	–	10.0	2.2	8.0	0.2	1.2
Placoid lengths											
Macroplacoid 1	29	3.2	–	6.6	13.1	–	22.1	4.9	17.6	0.9	2.0
Macroplacoid 2	29	2.4	–	4.9	9.8	–	16.4	3.3	11.9	0.6	1.6
Macroplacoid row	29	8.1	–	13.1	34.7	–	43.6	10.8	39.1	1.4	2.5
Claw 1 heights											
External base	15	3.5	–	5.9	12.4	–	19.6	4.7	17.0	0.7	1.9
External primary branch	15	7.4	–	10.8	28.2	–	38.0	9.2	33.6	1.0	2.8
External secondary branch	15	4.9	–	8.1	17.4	–	23.6	5.9	21.4	0.9	1.8
External base/primary branch (cct)	15	42.0	–	56.4		–		50.7	–	4.7	–
Internal base	15	3.1	–	5.5	10.4	–	19.3	4.2	15.4	0.9	2.1
Internal primary branch	13	4.8	–	8.3	18.8	–	26.7	6.5	23.6	1.1	2.3
Internal secondary branch	14	3.3	–	6.6	11.1	–	23.5	5.1	18.5	1.2	3.3
Internal base/primary branch (cct)	13	54.9	–	69.6		–		64.1	–	4.8	–
Claw 2 heights											
External base	23	4.0	–	7.0	16.0	–	23.1	5.3	19.4	0.9	2.2
External primary branch	22	7.7	–	12.3	31.4	–	41.3	10.4	37.5	1.3	2.9
External secondary branch	22	4.9	–	8.3	17.8	–	27.1	6.4	23.0	1.0	2.4
External base/primary branch (cct)	22	43.8	–	58.0		–		51.4	–	4.8	–
Internal base	16	3.5	–	5.8	13.3	–	21.2	4.6	16.4	0.8	2.1
Internal primary branch	10	5.7	–	7.9	21.5	–	26.9	6.8	24.8	0.8	1.6
Internal secondary branch	16	4.8	–	6.8	16.1	–	21.6	5.5	19.7	0.7	1.6
Internal base/primary branch (cct)	9	55.4	–	64.1		–		61.7	–	2.8	–
Claw 3 heights											
External base	15	4.0	–	6.7	16.7	–	21.5	5.4	19.3	0.8	1.6
External primary branch	15	8.0	–	12.7	30.8	–	41.6	10.3	37.2	1.4	3.4
External secondary branch	15	5.1	–	7.6	20.2	–	25.7	6.3	22.8	0.8	1.6
External base/primary branch (cct)	15	46.4	–	58.9		–		52.2	–	3.6	–
Internal base	13	3.4	–	5.7	15.1	–	20.1	4.9	17.3	0.7	1.6
Internal primary branch	12	5.4	–	8.5	20.0	–	27.3	6.9	24.3	1.1	2.1
Internal secondary branch	14	4.1	–	7.0	16.8	–	22.7	5.5	19.5	0.9	1.8
Internal base/primary branch (cct)	11	60.6	–	76.1		–		69.6	–	5.8	–
Claw 4 heights											
Anterior base	14	2.9	–	5.9	12.6	–	18.8	4.3	15.6	0.8	1.8
Anterior primary branch	14	5.4	–	9.8	23.4	–	31.3	7.5	27.5	1.2	2.4
Anterior secondary branch	14	3.3	–	7.1	14.3	–	23.9	5.3	19.4	1.0	2.7

Anterior base/primary branch (cct)	14	52.5	–	62.7		–		56.8	–	3.2	–
Posterior base	21	4.0	–	6.9	16.7	–	23.7	5.5	19.7	0.9	1.9
Posterior primary branch	21	9.8	–	16.6	40.9	–	51.4	13.0	46.6	2.2	3.5
Posterior secondary branch	21	5.3	–	9.3	21.8	–	29.9	7.3	26.1	1.1	2.3
Posterior base/primary branch (cct)	21	37.3	–	47.9		–		42.4	–	3.1	–