

Digital supplementary material to

WAGNER, H.C., ARTHOFER, W., SEIFERT, B., MUSTER, C., STEINER, F.M. & SCHLICK-STEINER, B.C. 2017: Light at the end of the tunnel: Integrative taxonomy delimits cryptic species in the *Tetramorium caespitum* complex (Hymenoptera: Formicidae). – Myrmecological News 25: 95-129.

Tab. S1: Overview of observed material comprises information to sampling localities, ecology, biology, genetics, and male genital morphology. The names of the taxa follow the newly inferred species limits. Haplotype (HT) and nuclear copies of mitochondrial DNA (NUMT) identities of each sequenced locus are stated. GenBank accession numbers for CO1 sequences are given. See separately uploaded .csv file.

Tab. S2: Results of Procrustes ANOVA from a pilot study of workers (mesosoma in lateral view, 16 specimens of each *Tetramorium alpestre* and *T. sp. E* (= *T. immigrans*), two images per specimen, digitized twice). df = degrees of freedom.

Effect	Sum of squares	Mean squares	df	F	P
Species	0.010354	$7.39 \times 10^{-4}$	14	3.11	0.0001
Individual	0.099931	$2.37 \times 10^{-4}$	420	11.37	< 0.0001
Imaging error	0.009378	$2.09 \times 10^{-5}$	448	1.54	< 0.0001
Digitizing error	0.012199	$1.36 \times 10^{-5}$	896		

Tab. S3: Results of Procrustes ANOVA from forewings of 148 gynes. df = degrees of freedom.

Effect	Sum of squares	Mean squares	df	F	P
Species	0.107086	$1.34 \times 10^{-3}$	80	7.22	< 0.0001
Individual	0.419041	$1.85 \times 10^{-4}$	2260	9.34	< 0.0001
Directional asymmetry	0.002115	$1.06 \times 10^{-4}$	20	5.33	< 0.0001
Fluctuating asymmetry	0.046442	$1.98 \times 10^{-5}$	2340	5.77	< 0.0001
Imaging error	0.008055	$3.44 \times 10^{-6}$	2340		

Tab. S4: Ten AFLP clusters contained individuals belonging into 20 CO1 clades.

AFLP cluster	CO1 clade		
<i>alpestre</i>	<i>alpestre</i>	U5	U5
<i>alpestre</i>	U3		I
<i>caespitum</i>	U1	J	J
<i>caespitum</i>	<i>caespitum</i> 1	D_e	D_e
	<i>caespitum</i> 2	<i>impurum_e</i>	<i>impurum_e</i> 1
<i>caespitum</i>	U2	<i>impurum_e</i>	<i>impurum_e</i> 2
<i>caespitum</i>	B1	<i>impurum_e</i>	<i>impurum_e</i> 3
	B2	<i>impurum_e</i>	<i>impurum_e</i> 4
<i>caespitum</i>	D_w1		<i>impurum_e</i> 5
	D_w2		<i>impurum_e</i> 6
<i>indocile</i>	indocile1		<i>impurum_e</i> 7
	indocile2		<i>impurum_e</i> 8
<i>hungaricum</i>	hungaricum1	<i>impurum_w</i>	<i>impurum_w</i>
	hungaricum2	<i>impurum_w</i>	H
<i>hungaricum</i>	U4	E	E

Tab. S5: Samples investigated by amplified fragment-length polymorphism with values showing probabilities (BAPS) to belong to each of the species. See separately uploaded .csv file.

Tab. S6: Traditional morphometric and meristic raw data of all investigated workers. See separately uploaded .csv file.

Tab. S7: Geometric morphometric raw data of all investigated workers. See separately uploaded .csv file.

Tab. S8: Geometric morphometric raw data of all investigated gyne wings. See separately uploaded .csv file.

Tab. S9: Type material procolol. Taxon names, years, authors, and nations of types are given. Name-bearing types are either excluded following the argumentation of *Type material examined* (I) - (VI), lost, or investigated.

<b>Taxon name</b>	<b>Year</b>	<b>Author</b>	<b>Geographic origin</b>	<b>Excluded because</b>	<b>Investigated</b>
<i>acutiseta</i>	1921	SANTSCHI	Morocco	II g	
<i>aegeum</i>	1992	RADCHENKO	Caucasus	III c	
<i>aequa</i>	1971	BARONI URBANI	?	I	
<i>alternans</i>	1929	SANTSCHI	Morocco	III d	
<i>amium</i>	1912	FOREL	Taiwan	VI	
<i>anatolicum</i>	2007	CSÖSZ, RADCHENKO & SCHULZ	Turkey	III d	
<i>annauensis</i>	1931	KARAVAEV	Transcaspia	II a, c	
<i>annectens</i>	1969	PISARSKI	China	III d	
<i>arenarium</i>	1918	SANTSCHI	Tunisia	II b	
<i>argentirubrum</i>	2004	DIETRICH	Jordan	II b	
<i>armatum</i>	1927	SANTSCHI	Transcaspia	II c	
<i>arzi</i>	1969	TOHMÉ	Lebanon	II a, c	
<i>atlante</i>	1970	CAGNIANT	Tunisia	III g	
<i>banyulense</i>	1983	BERNARD	France		yes
<i>barabense</i>	1925	RUZSKY	Russia	II a, c	
<i>bariensis</i>	1911	FOREL	Italy	III a	
<i>barryi</i>	1981	MATHEW	India	II d, VI	
<i>beesoni</i>	1934	MUKERJEE	India	VI	
<i>belgaense</i>	1902	FOREL	India	VI	
<i>bellii</i>	1902	FOREL	India	VI	
<i>biroi</i>	1937	RÖSZLER	Hungary	I	
<i>biskrense</i>	1904	FOREL	Algeria	II g	
<i>brevicorne</i>	1918	BONDROIT	Corsica	III a	
<i>brevinodis</i>	1927	KARAVAEV	Turkestan	II h	
<i>browni</i>	2000	TIWARI	India	II d, VI	
<i>bursakovi</i>	1992	RADCHENKO	Kazakhstan	III c	
<i>caespito-moravicum</i>	1941	KRATOCHVÍL	Czech Republic	lost	
<i>caespitum</i>	1758	LINNAEUS	new: Sweden	IV	
<i>caldarium</i>	1857	ROGER	Poland	II d	
<i>cardiocarenum</i>	1994	XU & ZHENG	China	VI	
<i>caspium</i>	1948	ARNOL'DI	?	I	
<i>chefketi</i>	1911	FOREL	Turkey	III d	
<i>chinensis</i>	1928	SANTSCHI	China	I	
<i>christiei</i>	1902	FOREL	India	II c, VI	
<i>coeleste</i>	1927	SANTSCHI	China	I	

<i>conconviceps</i>	1984	BURSAKOV	Kazakhstan	II f	
<i>confinis</i>	1990	RADCHENKO & ARAKELIAN	Armenia	III c	
<i>coonoorensis</i>	1902	FOREL	India	VI	
<i>cordatum</i>	1998	SHEELA & NARENDRAN	India	VI	
<i>crepum</i>	1988	WANG & WU	China	VI	
<i>curtulum</i>	1895	EMERY	Myanmar	VI	
<i>cyclolobium</i>	1994	XU & ZHENG	China	II f, VI	
<i>cyprum</i>	1934	SANTSCHI	Cyprus	I	
<i>cyrenaicum</i>	1927	MENOZZI	Libya	I	
<i>davidi</i>	1911	FOREL	Israel	II a	
<i>debilis</i>	1924	EMERY	Egypt	I	
<i>decamerum</i>	1902	FOREL	India	VI	
<i>densopilosum</i>	1990	RADCHENKO & ARAKELIAN	Armenia	III c	
<i>denticulatum</i>	1902	FOREL	India	VI	
<i>depressiceps</i>	1933	MENOZZI	Israel	II c	
<i>depressum</i>	1892	FOREL	Canary Islands	II c	
<i>difficile</i>	1977	BOLTON	Nepal	II a, d	
<i>diomedium</i>	1908	EMERY	Italy	III c	
<i>dunhuangense</i>	2001	CHANG & HE	China	VI	
<i>eidmanni</i>	1941	MENOZZI	China	I, VI	
<i>elisabethae</i>	1904	FOREL	India	VI	
<i>ernesti</i>	1921	SANTSCHI	France	I	
<i>exasperatum</i>	1891	EMERY	Tunisia	II a	
<i>exile</i>	2007	CZŐSZ, RADSCHENKO & SCHULZ	Afghanistan	III d	
<i>fergusoni</i>	1902	FOREL	India	VI	
<i>ferox</i>	1903	RUZSKY	Russia	III c	
<i>feroxoide</i>	1985	DLUSSKY & ZABELIN	Kazakhstan	III c	
<i>fezzanense</i>	1948	BERNARD	Algeria	II f	
<i>flavidulum</i>	1909	EMERY	Turkey	II a	
<i>flavum</i>	2001	CHANG & HE	China	VI	
<i>formosae</i>	1912	FOREL	Taiwan	VI	
<i>forte</i>	1904	FOREL	France	III b	
<i>fusca</i>	1825	LEACH	France	I	
<i>fusciclavum</i>	1952	CONSANI & ZANGHERI	Italy		yes
<i>fuscula</i>	1846	NYLANDER	Finland	V	
<i>fortunatarum</i>	1981	BARQUÍN	Canary Island	I	
<i>gaetulum</i>	1936	SANTSCHI	Morocco	I	
<i>galaticum</i>	1936	MENOZZI	Turkey	I	
<i>geei</i>	1927	WHEELER	China	I	
<i>goniommoide</i>	1979	POLDI	Turkey		yes
<i>gregori</i>	1944	KRATOCHVÍL, NOVAK & SNOFLAK	Czech Republic		yes
<i>guanacha</i>	1929	SANTSCHI	Canary Islands	II a	
<i>guangxiense</i>	1997	ZHOU & ZHENG	China	VI	
<i>haltrichi</i>	1936	RÖSZLER	Hungary	I	

<i>hammi</i>	1915	DONISTHORPE	Great Britain	V	
<i>himalayanum</i>	1914	VIEHMEYER	India	VI	
<i>hippocratis</i>	1987	AGOSTI & COLLINGWOOD	Turkey		yes
<i>hispanicum</i>	1918	BONDROIT	Spain	III b	
<i>hoggarensis</i>	1929	SANTSCHI	Algeria	II a	
<i>hortensis</i>	1948	BERNARD	Libya	II a	
<i>hungaricum</i>	1935	RÖSZLER	Hungary	IV	
<i>immigrans</i>	1927	SANTSCHI	Chile		yes
<i>impurum</i>	1850	FOERSTER	Germany	IV	
<i>indocile</i>	1927	SANTSCHI	"Turkestan, Russe"	IV	
<i>inermis</i>	1877	MAYR	Kazakhstan	II a, c	
<i>inglebyi</i>	1902	FOREL	India	VI	
<i>italicum</i>	1932	MENOZZI	Italy	II c	
<i>jacoti</i>	1927	WHEELER	China	II c, VI	
<i>japonicum</i>	1936	RÖSZLER	Japan	II a, VI	
<i>jarbas</i>	1970	CAGNIANT	Tunisia	II a, c	
<i>jiangxiense</i>	1988	WANG & XIAO	China	VI	
<i>jizane</i>	1985	COLLINGWOOD	Saudi-Arabia	II f	
<i>juba</i>	1985	COLLINGWOOD	Algeria	II a, c	
<i>judas</i>	1916	WHEELER, W.M. & MANN	Israel	II c	
<i>jugurtha</i>	1934	MENOZZI	Tunisia	II c	
<i>kabulistanicum</i>	1967	PISARSKI	Afghanistan	II f, III f	
<i>kahenae</i>	1934	MENOZZI	Tunisia	II f, III d	
<i>kanariense</i>	1902	FOREL	India	VI	
<i>karakalense</i>	1985	DLUSSKY & ZABELIN	Turkmenia	III d	
<i>keralense</i>	1998	SHEELA & NARENDRAN	India	VI	
<i>kisilkumense</i>	1990	DLUSSKY	Turkmenistan	II a, c	
<i>kollari</i>	1853	MAYR	Austria	II a, c	
<i>kosmalianicum</i>	1948	ARNOL'DI	?	I	
<i>kutteri</i>	1927	SANTSCHI	Switzerland		yes
<i>laevigatum</i>	1948	ARNOL'DI	Caucasus	III c	
<i>laevinode</i>	1902	FOREL	India	VI	
<i>laevior</i>	1936	MENOZZI	Tunisia	III c	
<i>ligatum</i>	1927	SANTSCHI	Turkestan	I	
<i>liparaeum</i>	1927	SANTSCHI	Sicily	II c	
<i>longispina</i>	1912	KARAVAIEV	Transcaspia	I	
<i>lucidulum</i>	1933	MENOZZI	Syria	II a, c	
<i>mai</i>	1993	WANG M.	China	II f, VI	
<i>malabarensis</i>	1998	SHEELA & NARENDRAN	India	II f, VI	
<i>marocanum</i>	1994	DE HARO	Morocco	III b	
<i>maurum</i>	1918	SANTSCHI	Tunisia	II f	
<i>meridionale</i>	1870	EMERY	Italy	II e	
<i>minutum</i>	1942	DONISTHORPE	Egypt	II d	
<i>mixtum</i>	1902	FOREL	India	VI	
<i>modesta</i>	1850	FOERSTER	Germany	I	

<i>moravicum</i>	1941	KRATOCHVÍL	Czech Republic	II b, III d	
<i>musculus</i>	1902	FOREL	India	VI	
<i>myops</i>	1977	BOLTON	India	II f, VI	
<i>nipponense</i>	1928	WHEELER	Japan	VI	
<i>nitidissimum</i>	1967	PISARSKI	Transcaspia	II c	
<i>nitidiusculum</i>	1948	ARNOL'DI	?	I	
<i>nursei</i>	1903	BINGHAM	Pakistan	II c	
<i>obesum</i>	1887	ANDRÉ	India	VI	
<i>ochrothorax</i>	2001	CHANG & HE	China	VI	
<i>orissana</i>	1902	FOREL	India	VI	
<i>oxyomma</i>	1912	KARAVAIEV	Algeria		yes
<i>pallidum</i>	1934	STITZ	China	VI	
<i>palmense</i>	1927	WHEELER	Canary Island	I	
<i>parvioculum</i>	2009	GUILLEM & BENSUSAN	Gibraltar	II f	
<i>pelagium</i>	1995	POLDI	Italy		yes
<i>penninum</i>	1927	SANTSCHI	Switzerland	IV	
<i>persignatum</i>	1995	BOLTON	Palestine		yes
<i>perspicax</i>	1992	RADCHENKO	Turkey	III c	
<i>petiolatum</i>	1998	SHEELA & NARENDRAN	India	VI	
<i>picta</i>	1912	KARAVAIEV	Transcaspia	II a, c	
<i>plana</i>	1927	KARAVAIEV	Turkestan	II c	
<i>pullum</i>	1941	SANTSCHI	Japan	I	
<i>punctatum</i>	1927	SANTSCHI	Sicily	III a	
<i>punicum</i>	1861	SMITH	Israel	II a	
<i>pyrenaicum</i>	1936	RÖSZLER	Andorra	I	
<i>repletum</i>	1988	WANG & XIAO	China	VI	
<i>reticuligerum</i>	1984	BURSAKOV	Kazakhstan	II f	
<i>reticuliventre</i>	1902	RUZSKY	Turkestan	II c	
<i>rhenanum</i>	1996	SCHULZ	Germany	III d	
<i>rhodium</i>	1915	EMERY	Greece	III d	
<i>romana</i>	1921	SANTSCHI	?	I	
<i>rossi</i>	1976	BOLTON	India	VI	
<i>rufitarsis</i>	1936	RÖSZLER	Andorra	I	
<i>rugigaster</i>	1977	BOLTON	India	II b, VI	
<i>ruginode</i>	1917	STITZ	Spain	III b	
<i>sahlbergi</i>	1936	FINZI	Egypt	II c	
<i>salvatum</i>	1902	FOREL	India	VI	
<i>salvae</i>	2001	MOHAMED et al.	Egypt	II c	
<i>sanetraí</i>	2007	SCHULZ & CSÖSZ	Italy	III d	
<i>sarkissiani</i>	1911	FOREL	Turkey	III d	
<i>schmidtí</i>	1904	FOREL	Israel	II a	
<i>schneideri</i>	1898	EMERY	Kazakhstan	III f	
<i>sculptum</i>	1977	AKTAÇ	?	I	
<i>semilaeve</i>	1883	ANDRÉ	Mediterranean region	II c	
<i>sentosum</i>	1998	SHEELA & NARENDRAN	India	VI	

<i>sexdens</i>	1915	FOREL	Ireland	II d	
<i>shensiense</i>	1977	BOLTON	China	II d, f	
<i>shirlae</i>	2007	SHARAF	Saudi Arabia	II d, f	
<i>siciliense</i>	1927	SANTSCHI	Sicily	II c	
<i>signatum</i>	1933	MENOZZI	Israel	I	
<i>silhavyi</i>	1941	KRATOCHVÍL	Czech Republic	III d	
<i>silvestrianum</i>	1924	EMERY	Spain	III b	
<i>simillimum</i>	1851	SMITH	Great Britain	II d	
<i>smithi</i>	1879	MAYR	India	VI	
<i>splendens</i>	1902	RUZSKY	Caucasus	I	
<i>staerckeii</i>	1944	KRATOCHVÍL	Hungary		yes
<i>striabdomen</i>	2001	CHANG & HE	China	II b, f	
<i>striaticeps</i>	1925	EMERY	Turkestan	I	
<i>striatis</i>	1936	RÖSZLER	Hungary	I	
<i>striativentre</i>	1877	MAYR	Kazakhstan	II b	
<i>sulcinode</i>	1927	SANTSCHI	Kazakhstan	III d	
<i>syriacum</i>	1924	EMERY	Syria	II a	
<i>szaboi</i>	1936	RÖSZLER	Hungary	I	
<i>tanakai</i>	1977	BOLTON	Japan	VI	
<i>taueret</i>	1995	BOLTON	Egypt		yes
<i>taurocaucasicum</i>	1968	ARNOL'DI	Ukraine	III d	
<i>tenuicornis</i>	1925	EMERY	Transcaspia		yes
<i>tingitanum</i>	1929	SANTSCHI	Morocco	III b	
<i>transbaicalense</i>	1936	RUZSKY	Turkestan	lost	
<i>transversinodis</i>	1946	ENZMANN	USA	II f	
<i>tsushimae</i>	1925	EMERY	Japan	IV	
<i>turcomana</i>	1921	SANTSCHI	Turkestan	III d	
<i>typicum</i>	1902	RUZSKY	Turkestan	lost	
<i>undatum</i>	2001	CHANG & HE	China	II f, VI	
<i>urbani</i>	1977	BOLTON	Bhutan	II c, VI	
<i>vernicosum</i>	1992	RADCHENKO	Tajikistan	II a, f	
<i>walshi</i>	1890	FOREL	India	VI	
<i>yanoi</i>	1937	SANTSCHI	Japan	II f, VI	
<i>yulongense</i>	1994	XU & ZHENG	China	VI	
<i>zahrae</i>	1923	SANTSCHI	Morocco	II a	

Tab. S10: Morphometric and meristic arithmetic means of absolute values and indices  $\pm$  standard deviation [lower extreme, upper extreme] of workers.  $n$  = number of nest means,  $i$  = number of individuals. Morphometric values given in  $\mu\text{m}$ , POTCoS and MC1TG are meristic.

	<i>alpestre</i>	<i>caespitum</i>	<i>hungaricum</i>	<i>breviscapus</i>	<i>indocile</i>	<i>caucasicum</i>	<i>fusciclava</i>	<i>staercke</i>	<i>impurum</i>	<i>immigrans</i>
	(n = 73, i = 146)	(n = 145, i = 294)	(n = 23, i = 51)	(n = 3, i = 15)	(n = 43, i = 89)	(n = 10, i = 32)	(n = 17, i = 34)	(n = 41, i = 81)	(n = 78, i = 156)	(n = 40, i = 84)
CL	747 $\pm$ 50 [611; 857]	766 $\pm$ 49 [597; 868]	663 $\pm$ 34 [588; 731]	715 $\pm$ 29 [685; 744]	720 $\pm$ 50 [580; 829]	766 $\pm$ 43 [711; 841]	722 $\pm$ 40 [674; 823]	757 $\pm$ 56 [668; 895]	747 $\pm$ 46 [632; 896]	839 $\pm$ 54 [725; 948]
CW	735 $\pm$ 52 [599; 844]	757 $\pm$ 52 [585; 867]	650 $\pm$ 34 [581; 713]	713 $\pm$ 22 [693; 737]	713 $\pm$ 54 [570; 814]	747 $\pm$ 47 [688; 838]	725 $\pm$ 45 [658; 835]	734 $\pm$ 59 [642; 862]	735 $\pm$ 50 [617; 885]	830 $\pm$ 57 [701; 939]
dAN	209 $\pm$ 16 [170; 240]	218 $\pm$ 17 [174; 255]	181 $\pm$ 11 [159; 203]	200 $\pm$ 10 [192; 211]	207 $\pm$ 16 [172; 236]	215 $\pm$ 14 [199; 240]	204 $\pm$ 16 [185; 247]	224 $\pm$ 18 [195; 266]	204 $\pm$ 15 [167; 258]	233 $\pm$ 15 [198; 266]
EL	144 $\pm$ 12 [120; 174]	149 $\pm$ 11 [118; 176]	139 $\pm$ 9 [123; 152]	140 $\pm$ 5 [134; 145]	142 $\pm$ 12 [116; 170]	150 $\pm$ 11 [135; 173]	158 $\pm$ 11 [140; 178]	152 $\pm$ 13 [133; 181]	142 $\pm$ 11 [122; 186]	167 $\pm$ 12 [145; 192]
EW	108 $\pm$ 8 [92; 129]	111 $\pm$ 8 [86; 133]	102 $\pm$ 7 [87; 111]	101 $\pm$ 3 [98; 104]	107 $\pm$ 8 [87; 125]	111 $\pm$ 8 [100; 127]	115 $\pm$ 7 [104; 128]	114 $\pm$ 9 [97; 136]	106 $\pm$ 7 [93; 131]	127 $\pm$ 9 [108; 145]
FL	288 $\pm$ 23 [230; 346]	297 $\pm$ 23 [238; 352]	245 $\pm$ 14 [218; 273]	272 $\pm$ 9 [263; 282]	277 $\pm$ 22 [225; 321]	289 $\pm$ 20 [263; 325]	284 $\pm$ 20 [258; 330]	297 $\pm$ 27 [247; 359]	283 $\pm$ 21 [236; 355]	321 $\pm$ 23 [271; 363]
HFL	598 $\pm$ 54 [454; 709]	626 $\pm$ 58 [432; 758]	506 $\pm$ 30 [438; 567]	555 $\pm$ 15 [539; 570]	567 $\pm$ 55 [435; 673]	606 $\pm$ 48 [557; 696]	598 $\pm$ 45 [527; 691]	614 $\pm$ 63 [517; 755]	593 $\pm$ 51 [468; 751]	693 $\pm$ 58 [578; 814]
MC1TG	14.12 $\pm$ 2.54 [7.03; 20.94]	12.62 $\pm$ 2.31 [7.00; 19.58]	14.91 $\pm$ 2.53 [9.64; 20.85]	15.77 $\pm$ 1.20 [14.58; 16.97]	14.01 $\pm$ 2.44 [6.41; 19.96]	14.47 $\pm$ 1.81 [11.64; 17.33]	20.57 $\pm$ 1.85 [16.34; 23.74]	15.93 $\pm$ 2.35 [11.00; 22.00]	15.25 $\pm$ 2.93 [6.70; 24.92]	21.67 $\pm$ 2.68 [16.07; 27.00]
ML	870 $\pm$ 72 [677; 1017]	893 $\pm$ 73 [672; 1047]	725 $\pm$ 44 [642; 811]	799 $\pm$ 38 [763; 839]	828 $\pm$ 69 [640; 964]	878 $\pm$ 60 [816; 987]	823 $\pm$ 62 [747; 973]	887 $\pm$ 83 [766; 1072]	849 $\pm$ 67 [688; 1059]	967 $\pm$ 76 [804; 1102]
MPPL	260 $\pm$ 20 [206; 314]	268 $\pm$ 21 [206; 317]	215 $\pm$ 13 [190; 238]	239 $\pm$ 13 [226; 253]	248 $\pm$ 21 [196; 295]	261 $\pm$ 18 [241; 298]	239 $\pm$ 16 [216; 275]	267 $\pm$ 24 [225; 322]	254 $\pm$ 20 [205; 308]	287 $\pm$ 21 [242; 330]
MPSP	328 $\pm$ 29 [250; 406]	330 $\pm$ 30 [230; 389]	268 $\pm$ 18 [232; 295]	315 $\pm$ 17 [301; 334]	313 $\pm$ 28 [244; 371]	326 $\pm$ 24 [297; 371]	288 $\pm$ 22 [255; 335]	323 $\pm$ 37 [267; 412]	325 $\pm$ 28 [260; 390]	352 $\pm$ 34 [284; 410]
MPST	195 $\pm$ 15 [156; 235]	201 $\pm$ 17 [152; 234]	166 $\pm$ 14 [142; 213]	190 $\pm$ 8 [183; 199]	188 $\pm$ 16 [149; 223]	197 $\pm$ 14 [182; 222]	187 $\pm$ 14 [171; 222]	196 $\pm$ 18 [168; 238]	194 $\pm$ 15 [159; 234]	217 $\pm$ 18 [178; 250]
MtpW	371 $\pm$ 29 [302; 433]	382 $\pm$ 31 [294; 445]	311 $\pm$ 18 [272; 348]	353 $\pm$ 18 [334; 370]	350 $\pm$ 27 [278; 403]	369 $\pm$ 29 [338; 420]	342 $\pm$ 24 [309; 398]	371 $\pm$ 35 [313; 475]	364 $\pm$ 30 [297; 457]	410 $\pm$ 34 [340; 474]
MW	477 $\pm$ 38 [382; 552]	491 $\pm$ 41 [368; 575]	413 $\pm$ 22 [369; 458]	451 $\pm$ 16 [437; 468]	457 $\pm$ 39 [350; 540]	483 $\pm$ 36 [443; 546]	446 $\pm$ 34 [403; 535]	481 $\pm$ 46 [408; 581]	468 $\pm$ 34 [384; 564]	525 $\pm$ 42 [431; 607]
PEH	265 $\pm$ 20 [215; 310]	263 $\pm$ 20 [209; 309]	217 $\pm$ 12 [193; 239]	247 $\pm$ 10 [237; 257]	250 $\pm$ 19 [198; 289]	262 $\pm$ 17 [238; 291]	248 $\pm$ 17 [224; 283]	262 $\pm$ 21 [229; 321]	262 $\pm$ 18 [226; 306]	284 $\pm$ 24 [232; 331]
PEL	176 $\pm$ 14 [143; 214]	180 $\pm$ 15 [137; 213]	143 $\pm$ 9 [124; 158]	154 $\pm$ 8 [146; 162]	168 $\pm$ 14 [130; 196]	175 $\pm$ 13 [164; 198]	159 $\pm$ 9 [147; 178]	176 $\pm$ 15 [151; 209]	172 $\pm$ 13 [142; 199]	190 $\pm$ 11 [167; 212]
PEW	246 $\pm$ 21 [195; 297]	244 $\pm$ 22 [191; 293]	198 $\pm$ 16 [165; 227]	239 $\pm$ 11 [227; 247]	232 $\pm$ 22 [167; 279]	244 $\pm$ 21 [213; 276]	215 $\pm$ 16 [192; 247]	244 $\pm$ 25 [202; 303]	240 $\pm$ 20 [196; 300]	268 $\pm$ 25 [213; 308]
PLSP	170 $\pm$ 16 [136; 199]	168 $\pm$ 16 [120; 208]	138 $\pm$ 10 [118; 153]	173 $\pm$ 7 [167; 181]	160 $\pm$ 16 [121; 189]	163 $\pm$ 14 [146; 184]	148 $\pm$ 9 [127; 166]	161 $\pm$ 21 [128; 219]	169 $\pm$ 15 [137; 203]	178 $\pm$ 18 [148; 210]
PLST	191 $\pm$ 14 [157; 216]	198 $\pm$ 17 [148; 238]	161 $\pm$ 10 [141; 179]	182 $\pm$ 11 [172; 195]	184 $\pm$ 15 [138; 216]	191 $\pm$ 16 [174; 220]	183 $\pm$ 11 [166; 210]	198 $\pm$ 19 [167; 239]	189 $\pm$ 15 [156; 239]	216 $\pm$ 18 [178; 249]
PoOc	293 $\pm$ 18 [246; 336]	304 $\pm$ 19 [237; 339]	262 $\pm$ 16 [238; 301]	290 $\pm$ 18 [270; 305]	281 $\pm$ 17 [231; 320]	304 $\pm$ 15 [283; 328]	274 $\pm$ 15 [256; 323]	291 $\pm$ 20 [261; 347]	298 $\pm$ 18 [257; 341]	323 $\pm$ 20 [280; 359]

PnHL	187 ± 24	212 ± 21	164 ± 10	193 ± 20	182 ± 23	196 ± 19	198 ± 15	194 ± 19	188 ± 24	228 ± 16
	[123; 233]	[145; 252]	[142; 186]	[171; 208]	[139; 229]	[172; 222]	[165; 224]	[166; 241]	[117; 287]	[189; 259]
POTCos	8.11 ± 1.45	7.45 ± 1.92	2.14 ± 1.21	5.95 ± 0.53	6.08 ± 1.69	8.71 ± 1.44	6.76 ± 2.12	10.53 ± 1.75	8.80 ± 1.78	12.33 ± 1.67
	[4.50; 11.00]	[3.38; 12.13]	[0.13; 4.50]	[5.45; 6.50]	[2.63; 9.75]	[6.17; 10.63]	[4.63; 13.50]	[7.38; 13.75]	[5.00; 14.75]	[8.25; 16.13]
PPH	277 ± 21	276 ± 21	226 ± 12	264 ± 9	261 ± 21	275 ± 21	261 ± 20	280 ± 26	266 ± 19	299 ± 26
	[228; 327]	[221; 330]	[206; 246]	[253; 270]	[212; 301]	[248; 315]	[233; 302]	[240; 358]	[217; 312]	[243; 343]
PPL	120 ± 9	127 ± 11	96 ± 7	107 ± 5	112 ± 9	119 ± 10	112 ± 7	124 ± 11	119 ± 11	129 ± 9
	[95; 138]	[93; 152]	[81; 110]	[103; 113]	[92; 127]	[107; 144]	[101; 127]	[105; 150]	[91; 141]	[112; 154]
PPW	312 ± 25	315 ± 26	251 ± 17	302 ± 14	296 ± 24	305 ± 28	283 ± 23	312 ± 30	302 ± 24	337 ± 31
	[249; 375]	[247; 375]	[223; 286]	[287; 311]	[227; 343]	[269; 358]	[253; 333]	[267; 393]	[244; 355]	[270; 386]
Ppss	37.4 ± 14.5	39.9 ± 20.0	85.6 ± 36.1	73.6 ± 16.6	50.0 ± 23.8	45.0 ± 20.2	30.8 ± 10.5	16.9 ± 5.3	29.4 ± 14.2	30.5 ± 14.5
	[14.1; 92.3]	[13.3; 107.7]	[21.1; 169.5]	[57.9; 91.0]	[17.6; 110.5]	[16.4; 80.4]	[15.5; 47.3]	[11.3; 33.1]	[3.4; 79.5]	[13.6; 63.3]
PreOc	185 ± 14	187 ± 13	157 ± 9	173 ± 4	176 ± 14	185 ± 12	172 ± 11	184 ± 14	184 ± 15	209 ± 15
	[147; 218]	[145; 219]	[139; 171]	[168; 177]	[141; 204]	[168; 197]	[153; 198]	[155; 212]	[148; 228]	[165; 240]
RTI	297 ± 23	306 ± 23	258 ± 16	289 ± 8	287 ± 23	306 ± 21	302 ± 19	298 ± 25	292 ± 23	328 ± 23
	[244; 355]	[239; 361]	[226; 285]	[280; 297]	[226; 344]	[279; 343]	[271; 343]	[262; 350]	[225; 353]	[274; 377]
SLd	574 ± 43	592 ± 44	491 ± 26	520 ± 14	548 ± 42	589 ± 26	560 ± 33	587 ± 51	577 ± 40	655 ± 46
	[458; 661]	[439; 690]	[429; 538]	[510; 535]	[433; 643]	[554; 628]	[513; 646]	[498; 693]	[485; 704]	[566; 745]
SPST	150 ± 16	149 ± 16	121 ± 9	141 ± 10	143 ± 14	148 ± 12	124 ± 10	149 ± 21	150 ± 16	160 ± 20
	[109; 184]	[99; 185]	[101; 137]	[134; 152]	[107; 173]	[131; 171]	[108; 142]	[116; 199]	[117; 189]	[123; 198]
SPWI	224 ± 26	215 ± 23	173 ± 14	204 ± 14	202 ± 24	215 ± 21	171 ± 15	206 ± 32	216 ± 22	225 ± 29
	[161; 289]	[153; 280]	[149; 205]	[194; 219]	[146; 253]	[186; 254]	[148; 202]	[155; 277]	[167; 267]	[160; 279]
CS	741 ± 51	761 ± 50	657 ± 34	714 ± 26	717 ± 52	757 ± 44	724 ± 42	746 ± 57	741 ± 48	834 ± 56
	[605; 850]	[591; 867]	[584; 722]	[689; 740]	[575; 822]	[706; 839]	[667; 829]	[655; 878]	[624; 891]	[713; 943]
CL/CW	1.016 ± 0.014	1.012 ± 0.015	1.020 ± 0.014	1.002 ± 0.012	1.011 ± 0.014	1.027 ± 0.021	0.996 ± 0.012	1.032 ± 0.014	1.017 ± 0.017	1.012 ± 0.013
	[0.981; 1.049]	[0.969; 1.043]	[0.996; 1.051]	[0.989; 1.010]	[0.982; 1.051]	[0.987; 1.052]	[0.976; 1.029]	[1.003; 1.062]	[0.951; 1.049]	[0.985; 1.035]
dAN/CS	0.282 ± 0.007	0.286 ± 0.008	0.275 ± 0.011	0.280 ± 0.009	0.289 ± 0.008	0.283 ± 0.005	0.281 ± 0.007	0.300 ± 0.005	0.275 ± 0.008	0.280 ± 0.007
	[0.266; 0.297]	[0.259; 0.307]	[0.240; 0.289]	[0.269; 0.285]	[0.271; 0.306]	[0.278; 0.295]	[0.272; 0.297]	[0.288; 0.309]	[0.252; 0.294]	[0.267; 0.296]
EL/CS	0.195 ± 0.006	0.195 ± 0.007	0.211 ± 0.009	0.197 ± 0.012	0.198 ± 0.007	0.198 ± 0.006	0.218 ± 0.005	0.204 ± 0.006	0.192 ± 0.007	0.201 ± 0.005
	[0.181; 0.211]	[0.178; 0.217]	[0.192; 0.226]	[0.189; 0.210]	[0.182; 0.210]	[0.186; 0.206]	[0.211; 0.229]	[0.189; 0.219]	[0.177; 0.209]	[0.190; 0.214]
EW/CS	0.146 ± 0.004	0.146 ± 0.005	0.156 ± 0.006	0.142 ± 0.007	0.149 ± 0.004	0.147 ± 0.004	0.159 ± 0.003	0.153 ± 0.004	0.143 ± 0.005	0.152 ± 0.004
	[0.136; 0.157]	[0.134; 0.160]	[0.147; 0.167]	[0.137; 0.150]	[0.141; 0.157]	[0.139; 0.154]	[0.155; 0.166]	[0.144; 0.166]	[0.133; 0.154]	[0.145; 0.165]
EYE/CS	0.171 ± 0.005	0.171 ± 0.005	0.184 ± 0.007	0.169 ± 0.010	0.174 ± 0.005	0.172 ± 0.005	0.188 ± 0.004	0.178 ± 0.005	0.168 ± 0.005	0.176 ± 0.004
	[0.160; 0.182]	[0.158; 0.188]	[0.170; 0.194]	[0.163; 0.180]	[0.162; 0.181]	[0.162; 0.178]	[0.183; 0.196]	[0.168; 0.189]	[0.155; 0.181]	[0.167; 0.189]
FL/CS	0.388 ± 0.010	0.390 ± 0.010	0.373 ± 0.010	0.381 ± 0.001	0.386 ± 0.009	0.382 ± 0.008	0.392 ± 0.006	0.397 ± 0.008	0.382 ± 0.009	0.384 ± 0.006
	[0.359; 0.407]	[0.358; 0.412]	[0.341; 0.387]	[0.381; 0.382]	[0.368; 0.403]	[0.367; 0.398]	[0.382; 0.402]	[0.378; 0.417]	[0.360; 0.413]	[0.372; 0.398]
HFL/CS	0.806 ± 0.022	0.820 ± 0.026	0.770 ± 0.011	0.777 ± 0.007	0.791 ± 0.023	0.800 ± 0.022	0.826 ± 0.017	0.822 ± 0.023	0.800 ± 0.023	0.830 ± 0.019
	[0.745; 0.853]	[0.731; 0.881]	[0.750; 0.798]	[0.769; 0.782]	[0.751; 0.834]	[0.780; 0.854]	[0.784; 0.856]	[0.776; 0.883]	[0.749; 0.852]	[0.790; 0.863]
ML/CS	1.174 ± 0.025	1.172 ± 0.026	1.103 ± 0.018	1.119 ± 0.013	1.155 ± 0.020	1.160 ± 0.022	1.136 ± 0.021	1.188 ± 0.025	1.146 ± 0.025	1.158 ± 0.020
	[1.092; 1.225]	[1.104; 1.233]	[1.064; 1.146]	[1.107; 1.133]	[1.107; 1.205]	[1.131; 1.211]	[1.101; 1.175]	[1.141; 1.247]	[1.082; 1.200]	[1.109; 1.201]
MPPL/CS	0.351 ± 0.010	0.351 ± 0.010	0.327 ± 0.008	0.335 ± 0.007	0.346 ± 0.012	0.345 ± 0.014	0.330 ± 0.006	0.358 ± 0.009	0.343 ± 0.010	0.343 ± 0.007
	[0.331; 0.381]	[0.326; 0.371]	[0.309; 0.344]	[0.328; 0.341]	[0.321; 0.365]	[0.327; 0.369]	[0.319; 0.343]	[0.340; 0.378]	[0.321; 0.365]	[0.327; 0.358]
MPSP/CS	0.443 ± 0.015	0.433 ± 0.016	0.408 ± 0.015	0.441 ± 0.009	0.436 ± 0.016	0.431 ± 0.015	0.397 ± 0.013	0.432 ± 0.019	0.439 ± 0.015	0.421 ± 0.018
	[0.404; 0.478]	[0.389; 0.471]	[0.365; 0.434]	[0.435; 0.451]	[0.408; 0.464]	[0.405; 0.455]	[0.374; 0.424]	[0.387; 0.469]	[0.412; 0.480]	[0.382; 0.458]
MPST/CS	0.263 ± 0.007	0.263 ± 0.007	0.252 ± 0.020	0.266 ± 0.002	0.262 ± 0.007	0.260 ± 0.006	0.259 ± 0.005	0.263 ± 0.006	0.261 ± 0.006	0.260 ± 0.007
	[0.247; 0.279]	[0.248; 0.281]	[0.232; 0.335]	[0.264; 0.269]	[0.247; 0.277]	[0.253; 0.272]	[0.251; 0.268]	[0.249; 0.277]	[0.248; 0.278]	[0.243; 0.275]



MtpW/CS	0.500 ± 0.011	0.501 ± 0.013	0.473 ± 0.011	0.494 ± 0.008	0.488 ± 0.009	0.487 ± 0.015	0.471 ± 0.008	0.496 ± 0.014	0.491 ± 0.013	0.491 ± 0.012
	[0.469; 0.522]	[0.471; 0.532]	[0.445; 0.488]	[0.485; 0.500]	[0.464; 0.507]	[0.470; 0.515]	[0.462; 0.488]	[0.473; 0.553]	[0.461; 0.523]	[0.466; 0.523]
MW/CS	0.644 ± 0.012	0.645 ± 0.015	0.628 ± 0.008	0.631 ± 0.002	0.637 ± 0.011	0.637 ± 0.015	0.615 ± 0.012	0.645 ± 0.014	0.632 ± 0.011	0.629 ± 0.012
	[0.615; 0.674]	[0.605; 0.687]	[0.608; 0.645]	[0.629; 0.634]	[0.609; 0.667]	[0.612; 0.670]	[0.596; 0.646]	[0.614; 0.681]	[0.606; 0.654]	[0.605; 0.649]
PEH/CS	0.358 ± 0.009	0.345 ± 0.009	0.331 ± 0.009	0.346 ± 0.001	0.349 ± 0.008	0.347 ± 0.010	0.343 ± 0.007	0.352 ± 0.007	0.354 ± 0.010	0.340 ± 0.010
	[0.341; 0.381]	[0.320; 0.370]	[0.309; 0.344]	[0.344; 0.347]	[0.333; 0.367]	[0.336; 0.359]	[0.333; 0.355]	[0.340; 0.373]	[0.327; 0.379]	[0.321; 0.361]
PEL/CS	0.237 ± 0.008	0.237 ± 0.009	0.217 ± 0.006	0.216 ± 0.003	0.234 ± 0.007	0.231 ± 0.006	0.219 ± 0.005	0.236 ± 0.007	0.232 ± 0.008	0.228 ± 0.006
	[0.217; 0.257]	[0.216; 0.257]	[0.204; 0.226]	[0.212; 0.219]	[0.221; 0.251]	[0.221; 0.243]	[0.207; 0.227]	[0.219; 0.252]	[0.217; 0.250]	[0.213; 0.236]
PEW/CS	0.332 ± 0.012	0.321 ± 0.011	0.301 ± 0.013	0.335 ± 0.006	0.323 ± 0.012	0.322 ± 0.014	0.297 ± 0.009	0.326 ± 0.012	0.323 ± 0.011	0.321 ± 0.013
	[0.310; 0.359]	[0.295; 0.351]	[0.274; 0.322]	[0.329; 0.342]	[0.290; 0.350]	[0.295; 0.339]	[0.281; 0.315]	[0.298; 0.355]	[0.295; 0.350]	[0.293; 0.343]
PLST/CS	0.258 ± 0.009	0.260 ± 0.009	0.246 ± 0.007	0.255 ± 0.007	0.256 ± 0.007	0.252 ± 0.008	0.253 ± 0.006	0.265 ± 0.009	0.256 ± 0.007	0.259 ± 0.007
	[0.235; 0.281]	[0.232; 0.280]	[0.235; 0.262]	[0.250; 0.263]	[0.240; 0.269]	[0.241; 0.270]	[0.244; 0.261]	[0.245; 0.283]	[0.244; 0.274]	[0.247; 0.276]
PnHL/CS	0.252 ± 0.024	0.279 ± 0.020	0.249 ± 0.012	0.270 ± 0.027	0.254 ± 0.023	0.259 ± 0.020	0.274 ± 0.016	0.260 ± 0.017	0.254 ± 0.026	0.274 ± 0.014
	[0.177; 0.306]	[0.226; 0.323]	[0.230; 0.280]	[0.240; 0.290]	[0.203; 0.302]	[0.227; 0.292]	[0.228; 0.295]	[0.217; 0.289]	[0.162; 0.340]	[0.241; 0.304]
PLSP/CS	0.229 ± 0.013	0.220 ± 0.011	0.211 ± 0.009	0.243 ± 0.002	0.222 ± 0.011	0.215 ± 0.008	0.204 ± 0.008	0.215 ± 0.015	0.228 ± 0.011	0.214 ± 0.012
	[0.198; 0.265]	[0.188; 0.250]	[0.191; 0.231]	[0.241; 0.245]	[0.196; 0.246]	[0.202; 0.225]	[0.190; 0.222]	[0.186; 0.250]	[0.202; 0.254]	[0.193; 0.236]
PoOc/CS	0.396 ± 0.009	0.399 ± 0.009	0.399 ± 0.013	0.406 ± 0.013	0.392 ± 0.010	0.402 ± 0.011	0.379 ± 0.010	0.390 ± 0.008	0.403 ± 0.010	0.387 ± 0.006
	[0.376; 0.414]	[0.376; 0.422]	[0.382; 0.427]	[0.392; 0.415]	[0.374; 0.420]	[0.385; 0.420]	[0.364; 0.404]	[0.375; 0.408]	[0.371; 0.428]	[0.370; 0.397]
PPH/CS	0.374 ± 0.011	0.363 ± 0.011	0.344 ± 0.012	0.369 ± 0.009	0.364 ± 0.012	0.364 ± 0.014	0.360 ± 0.010	0.376 ± 0.012	0.359 ± 0.010	0.358 ± 0.011
	[0.354; 0.407]	[0.338; 0.402]	[0.312; 0.358]	[0.361; 0.379]	[0.328; 0.384]	[0.346; 0.387]	[0.344; 0.384]	[0.354; 0.417]	[0.337; 0.386]	[0.335; 0.382]
PPL/CS	0.162 ± 0.009	0.167 ± 0.009	0.145 ± 0.006	0.150 ± 0.002	0.157 ± 0.005	0.157 ± 0.009	0.155 ± 0.007	0.167 ± 0.008	0.161 ± 0.010	0.154 ± 0.008
	[0.141; 0.181]	[0.142; 0.190]	[0.138; 0.159]	[0.149; 0.152]	[0.147; 0.173]	[0.143; 0.176]	[0.144; 0.167]	[0.146; 0.182]	[0.141; 0.182]	[0.136; 0.171]
PPW/CS	0.422 ± 0.013	0.413 ± 0.013	0.382 ± 0.013	0.424 ± 0.011	0.413 ± 0.014	0.403 ± 0.022	0.391 ± 0.011	0.418 ± 0.012	0.408 ± 0.012	0.403 ± 0.013
	[0.395; 0.451]	[0.379; 0.452]	[0.355; 0.401]	[0.416; 0.436]	[0.388; 0.449]	[0.381; 0.439]	[0.371; 0.407]	[0.396; 0.449]	[0.381; 0.436]	[0.379; 0.428]
PreOc/CS	0.250 ± 0.006	0.245 ± 0.006	0.239 ± 0.006	0.243 ± 0.004	0.246 ± 0.007	0.245 ± 0.008	0.238 ± 0.005	0.246 ± 0.006	0.248 ± 0.008	0.250 ± 0.008
	[0.235; 0.264]	[0.230; 0.259]	[0.230; 0.249]	[0.238; 0.246]	[0.232; 0.266]	[0.235; 0.255]	[0.230; 0.246]	[0.232; 0.258]	[0.229; 0.266]	[0.231; 0.269]
RTI/CS	0.401 ± 0.011	0.401 ± 0.012	0.393 ± 0.015	0.405 ± 0.014	0.401 ± 0.011	0.404 ± 0.011	0.417 ± 0.010	0.399 ± 0.011	0.394 ± 0.012	0.393 ± 0.011
	[0.357; 0.422]	[0.365; 0.427]	[0.340; 0.412]	[0.394; 0.420]	[0.379; 0.429]	[0.387; 0.420]	[0.397; 0.432]	[0.377; 0.415]	[0.361; 0.421]	[0.368; 0.412]
SLd/CS	0.775 ± 0.014	0.777 ± 0.015	0.747 ± 0.015	0.728 ± 0.010	0.764 ± 0.013	0.779 ± 0.015	0.774 ± 0.006	0.787 ± 0.016	0.779 ± 0.015	0.784 ± 0.014
	[0.738; 0.802]	[0.724; 0.812]	[0.716; 0.773]	[0.722; 0.739]	[0.734; 0.790]	[0.749; 0.798]	[0.763; 0.784]	[0.750; 0.817]	[0.741; 0.820]	[0.755; 0.817]
SPST/CS	0.202 ± 0.012	0.195 ± 0.012	0.184 ± 0.010	0.197 ± 0.007	0.200 ± 0.011	0.196 ± 0.009	0.171 ± 0.008	0.199 ± 0.016	0.202 ± 0.012	0.191 ± 0.016
	[0.173; 0.228]	[0.161; 0.224]	[0.154; 0.203]	[0.191; 0.205]	[0.182; 0.223]	[0.183; 0.209]	[0.159; 0.188]	[0.164; 0.227]	[0.178; 0.234]	[0.162; 0.222]
SPWI/CS	0.302 ± 0.020	0.282 ± 0.017	0.263 ± 0.014	0.285 ± 0.010	0.281 ± 0.018	0.283 ± 0.017	0.237 ± 0.010	0.275 ± 0.024	0.292 ± 0.017	0.269 ± 0.020
	[0.256; 0.357]	[0.238; 0.339]	[0.226; 0.291]	[0.279; 0.296]	[0.253; 0.333]	[0.257; 0.311]	[0.217; 0.259]	[0.230; 0.322]	[0.257; 0.331]	[0.224; 0.307]

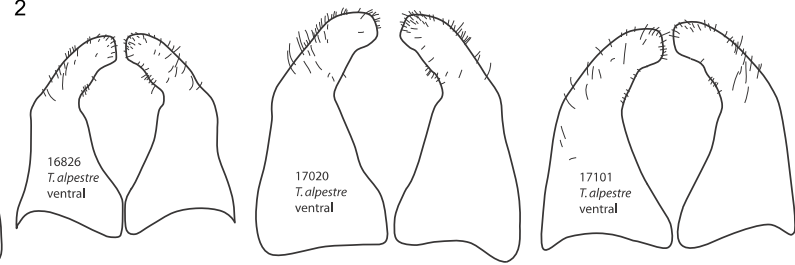
Fig. S1: Male genital morphology: 1: *T. alpestre*, dorsal; 2: *T. alpestre*, ventral; 3: *T. alpestre*, lateral; 4: *T. alpestre*, posterior; 5: *T. caespitum*, dorsal; 6: *T. caespitum*, ventral; 7: *T. caespitum*, lateral; 8: *T. caespitum*, posterior; 9: *T. hungaricum*, dorsal; 10: *T. hungaricum*, ventral; 11: *T. hungaricum*, lateral; 12: *T. hungaricum*, posterior; 13: *T. indocile*, dorsal; 14: *T. indocile*, ventral; 15: *T. indocile*, lateral; 16: *T. indocile*, posterior; 17: *T. caucasicum*, dorsal; 18: *T. caucasicum*, ventral; 19: *T. caucasicum*, lateral; 20: *T. caucasicum*, posterior; 21: *T. staerckei*, dorsal; 22: *T. staerckei*, ventral; 23: *T. staerckei*, lateral; 24: *T. staerckei*, posterior; 25: *T. impurum*, dorsal; 26: *T. impurum*, ventral; 27-29: *T. impurum*, lateral; 30, 31: *T. impurum*, posterior; 32: *T. immigrans*, dorsal; 33: *T. immigrans*, ventral; 34: *T. immigrans*, lateral; 35: *T. immigrans*, posterior.

1



200 μm

2



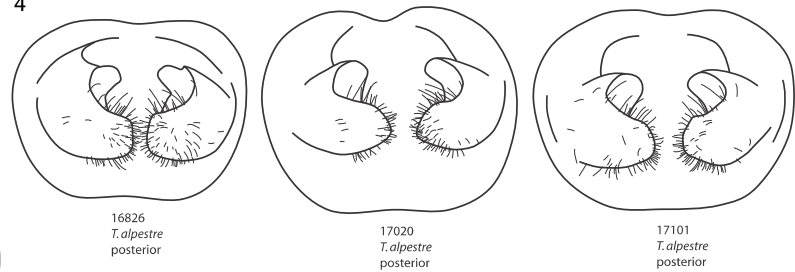
200 μm

3



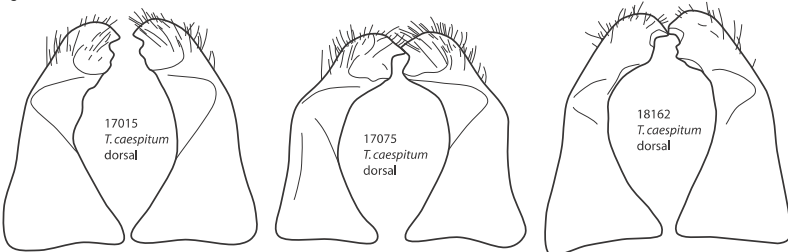
200 μm

4



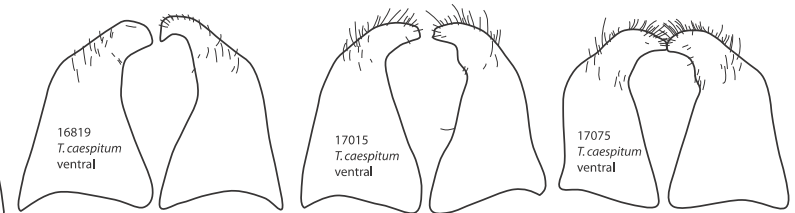
200 μm

5

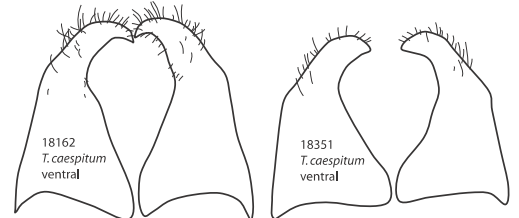
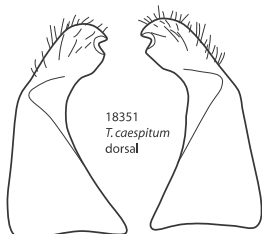


200 μm

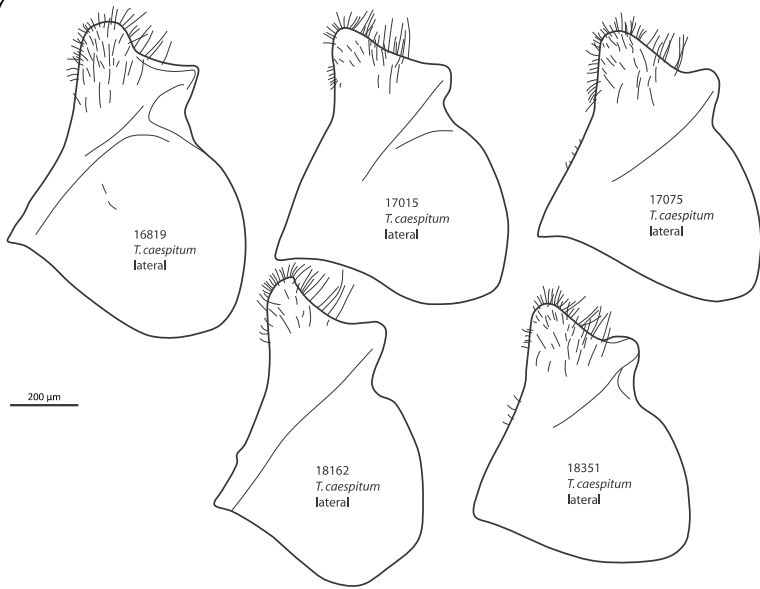
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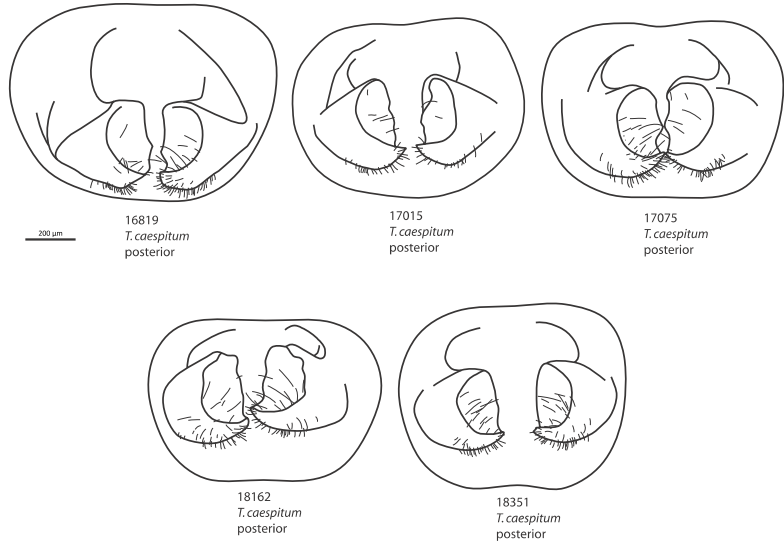
200 μm



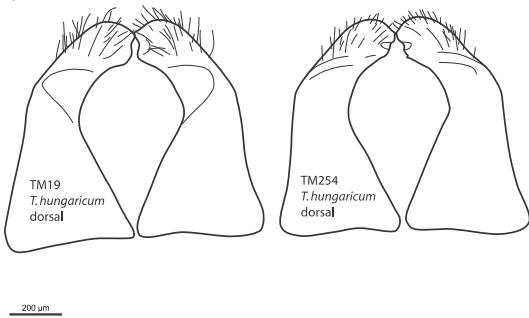
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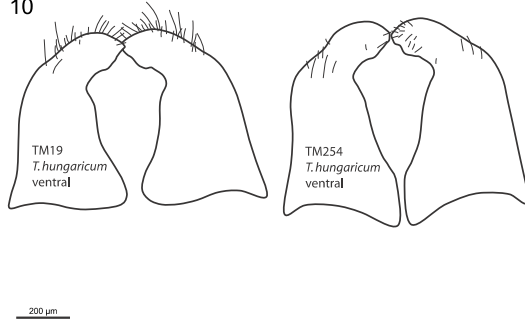
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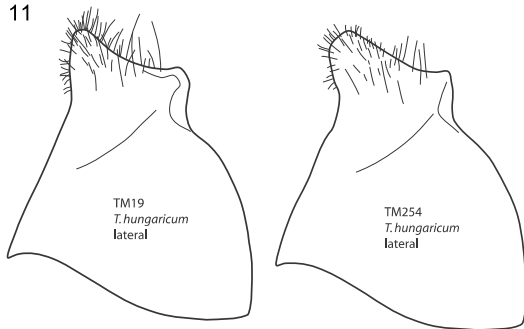
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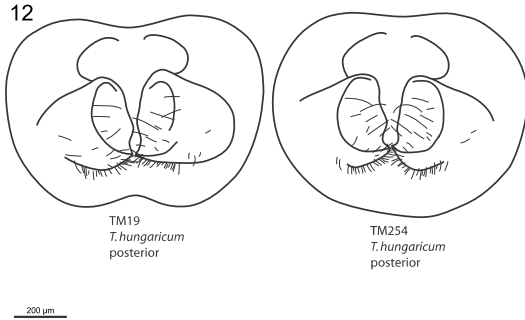
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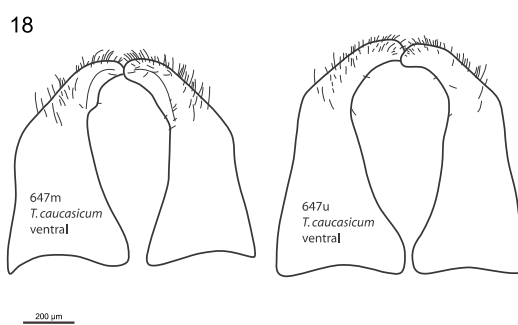
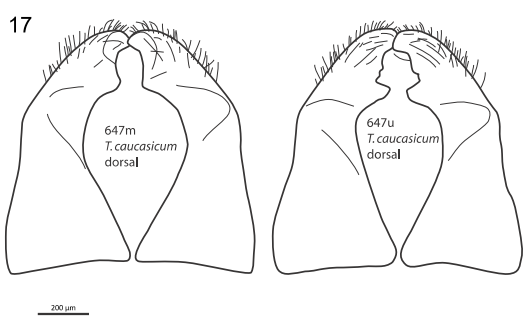
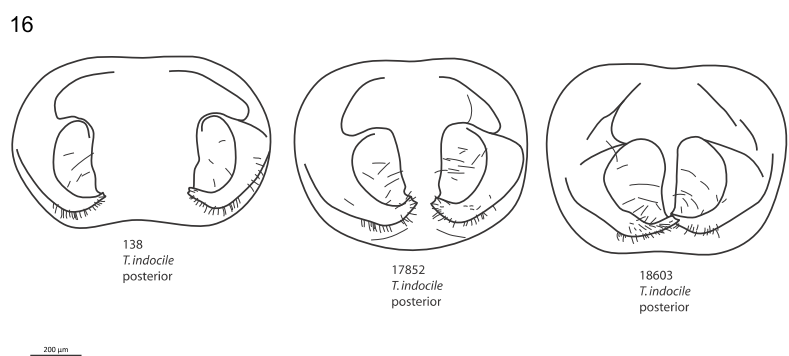
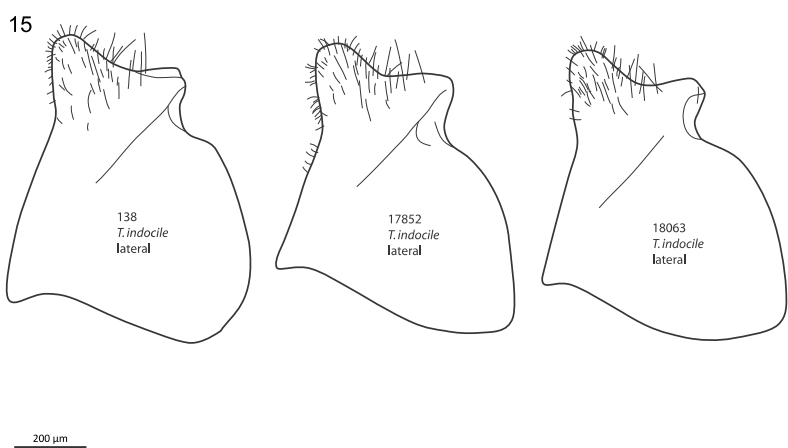
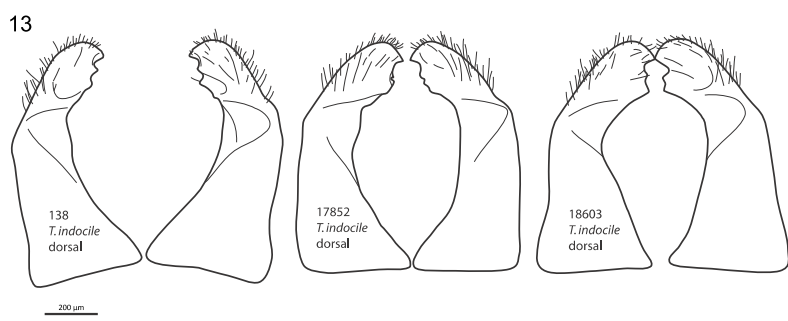


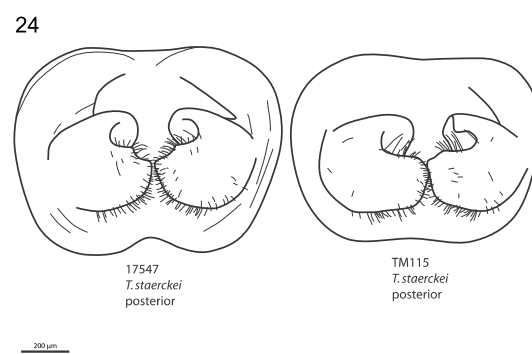
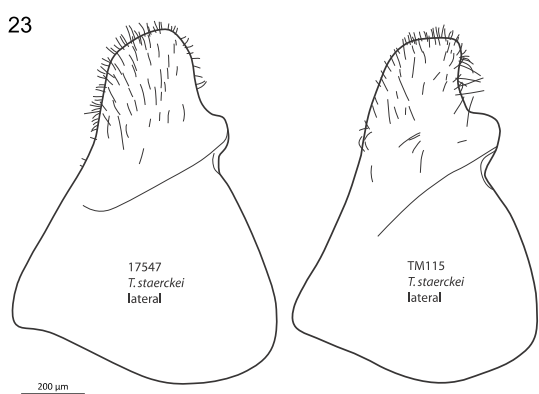
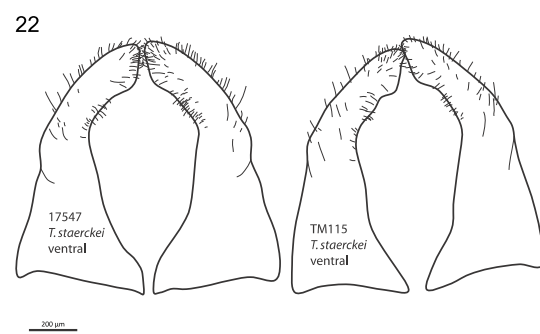
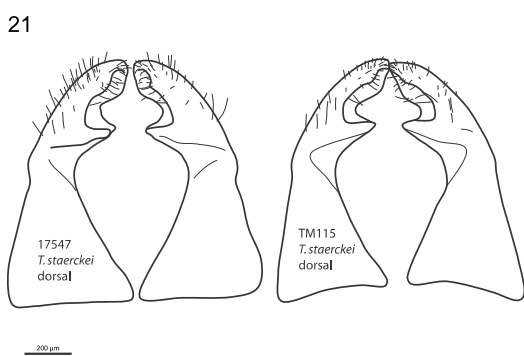
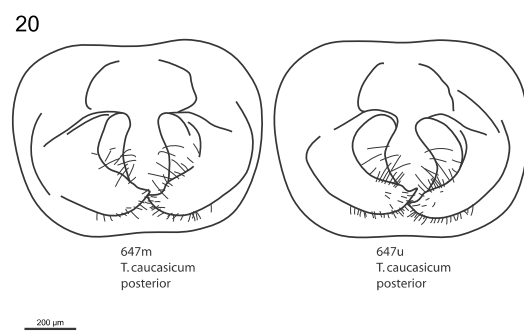
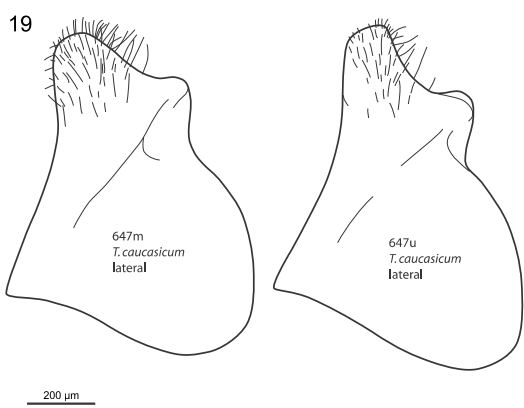
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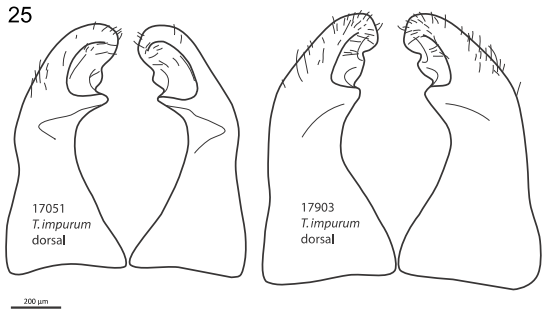
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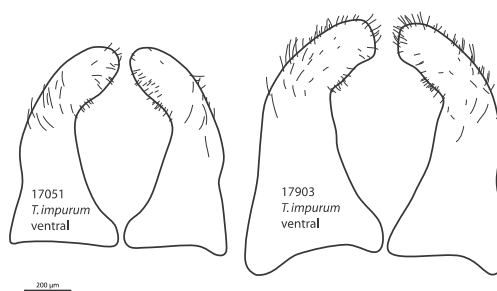




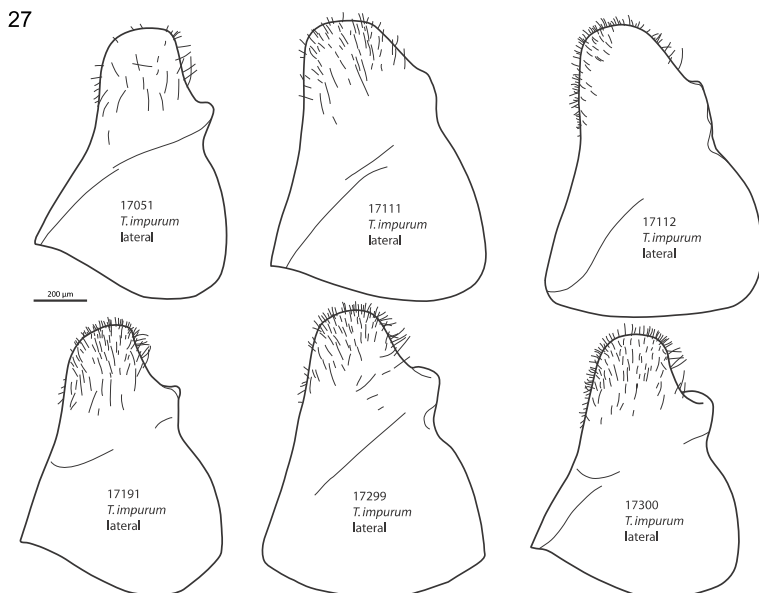
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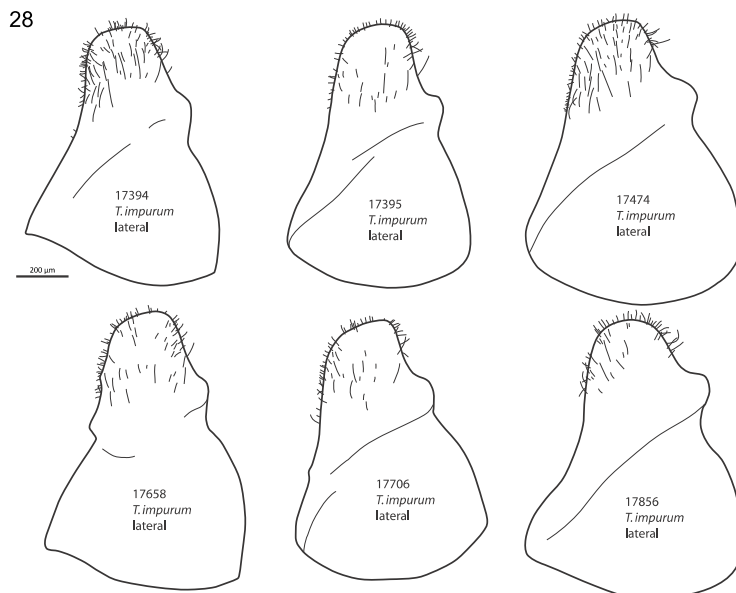
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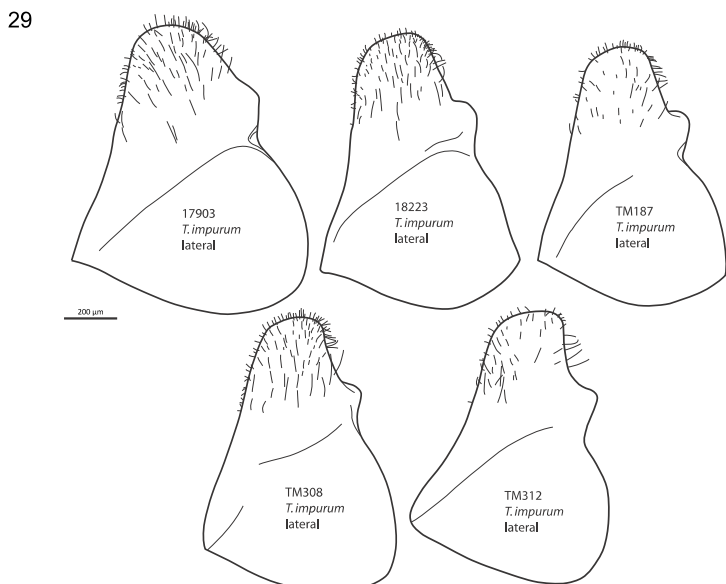
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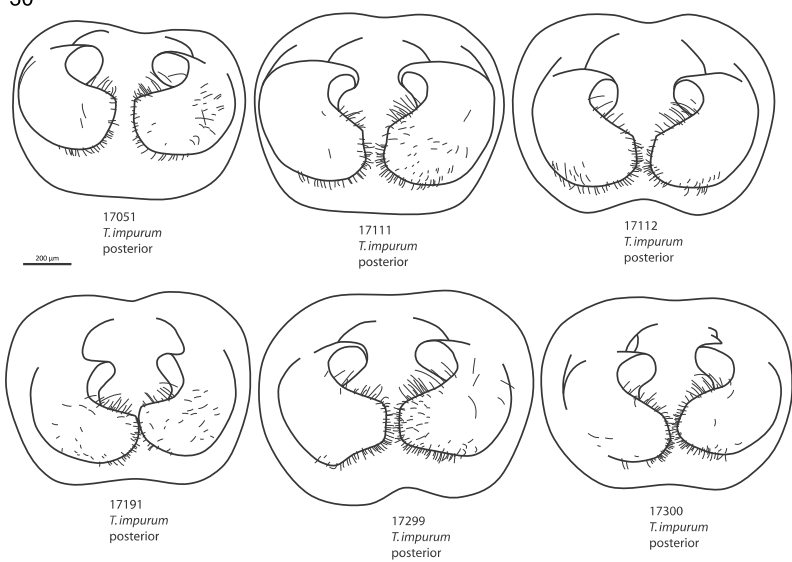
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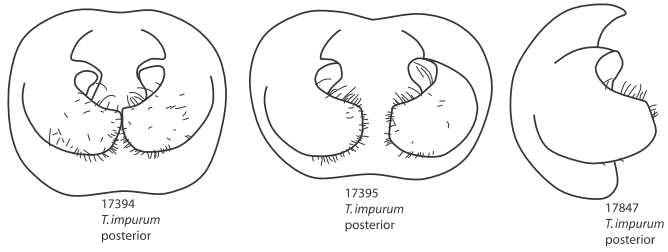
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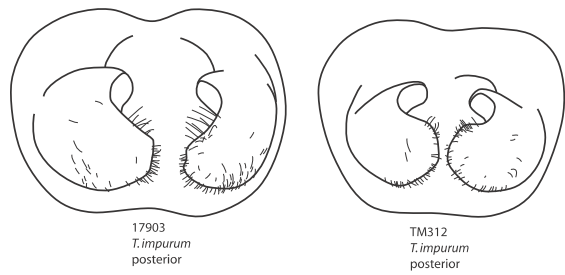
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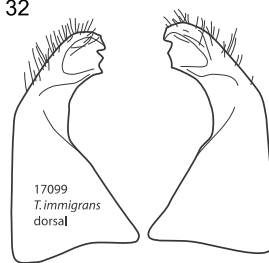
31



200  $\mu$ m

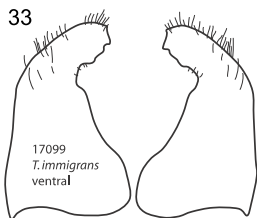


32



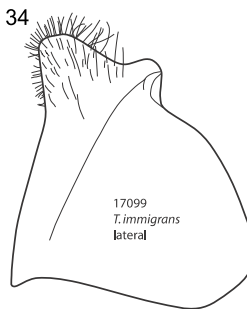
200  $\mu$ m

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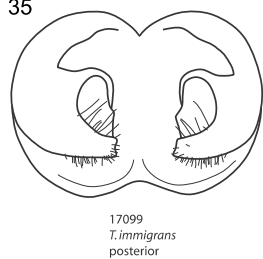
200  $\mu$ m

34



200  $\mu$ m

35



200  $\mu$ m

*Tetramorium caespitum*

○ former nominal unit D\_w    ● former nominal unit U2    ● former nominal unit *caespitum*    ● former nominal unit U1    ● former nominal unit B

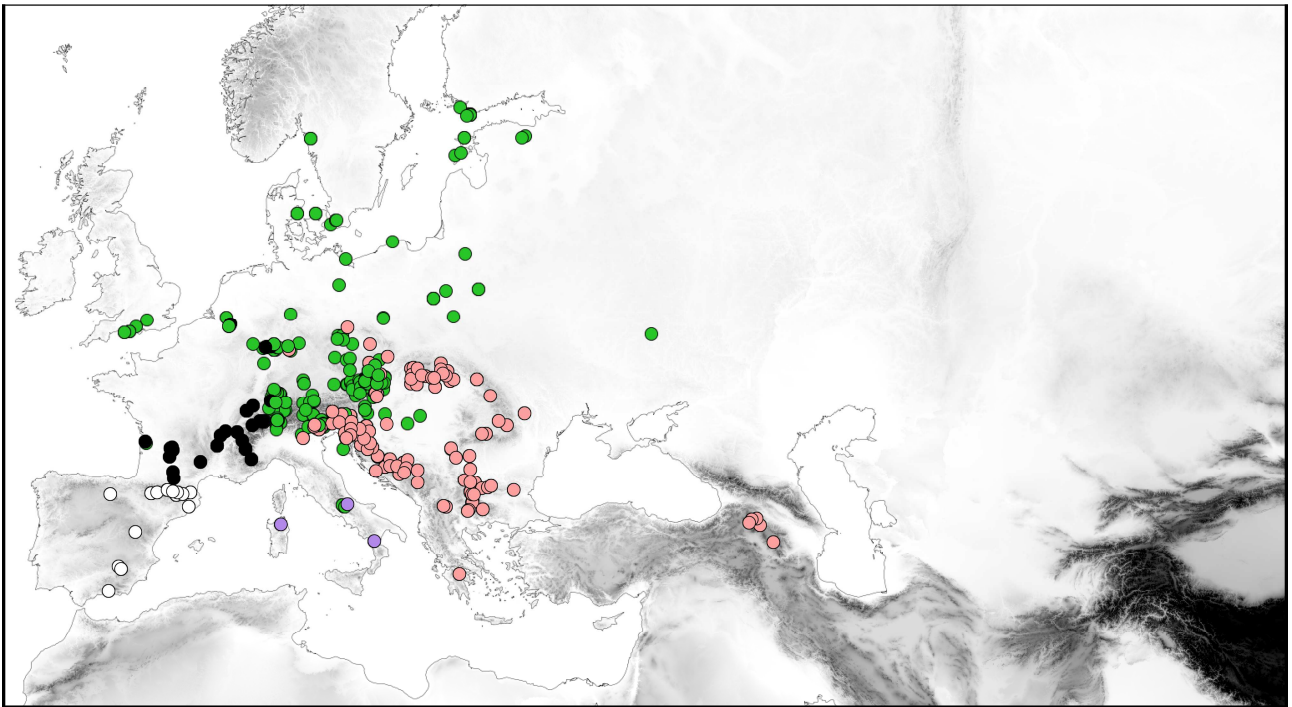


Fig. S2: Distribution of former entities D\_w, U2, *caespitum*, U1, and B belonging to *Tetramorium caespitum*.

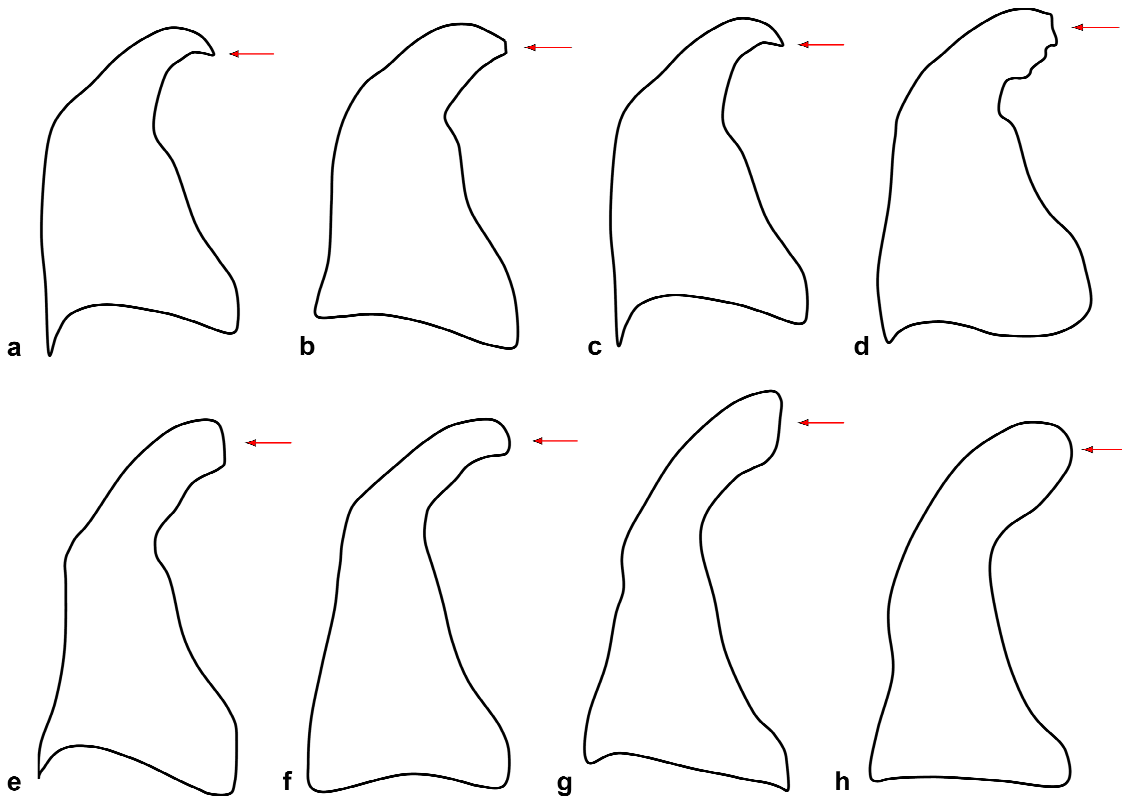


Fig. S3: Paramere structure in ventral view. (a) *Tetramorium caespitum*; (b) *T. hungaricum*; (c) *T. indocile*; (d) *T. immigrans* stat.n.; (e) *T. alpestre*; (f) *T. caucasicum* sp.n.; (g) *T. staerckei* sp.rev.; (h) *T. impurum*.



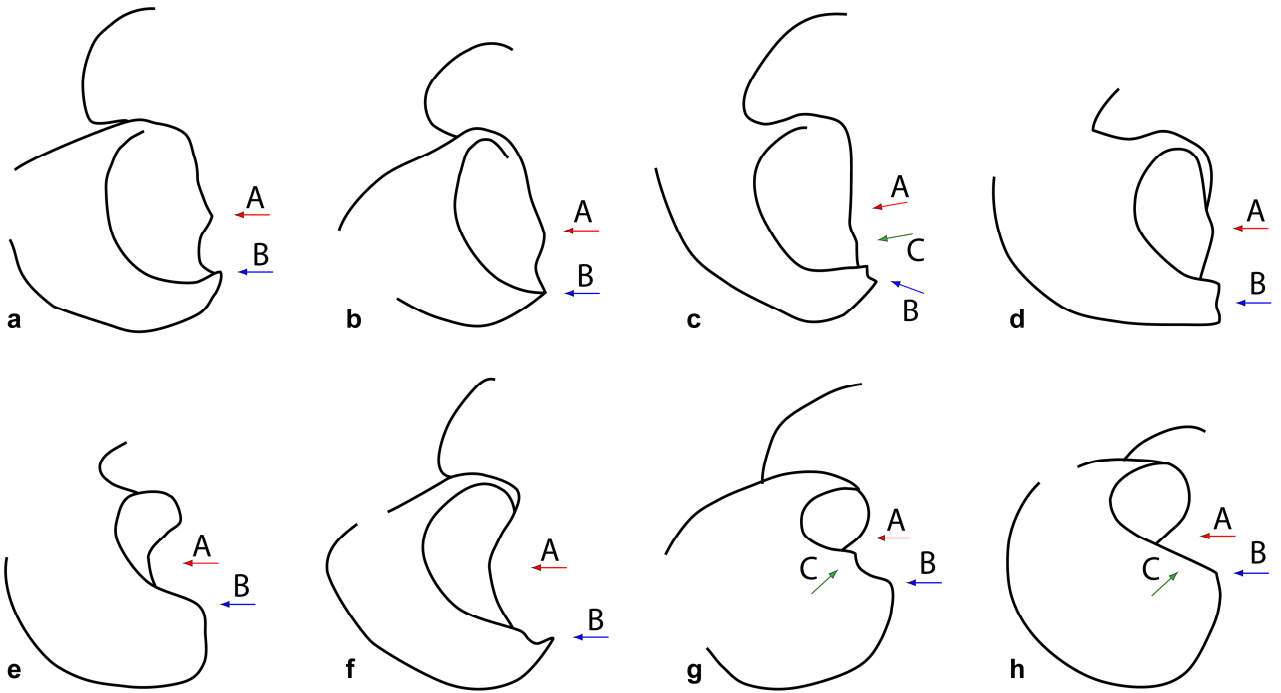


Fig. S4: Paramere structure in posterior view. (a) *Tetramorium caespitum*; (b) *T. hungaricum*; (c) *T. indocile*; (d) *T. immigrans* stat.n.; (e) *T. alpestre*; (f) *T. caucasicum* sp.n.; (g) *T. staerckei* sp.rev.; (h) *T. impurum*.

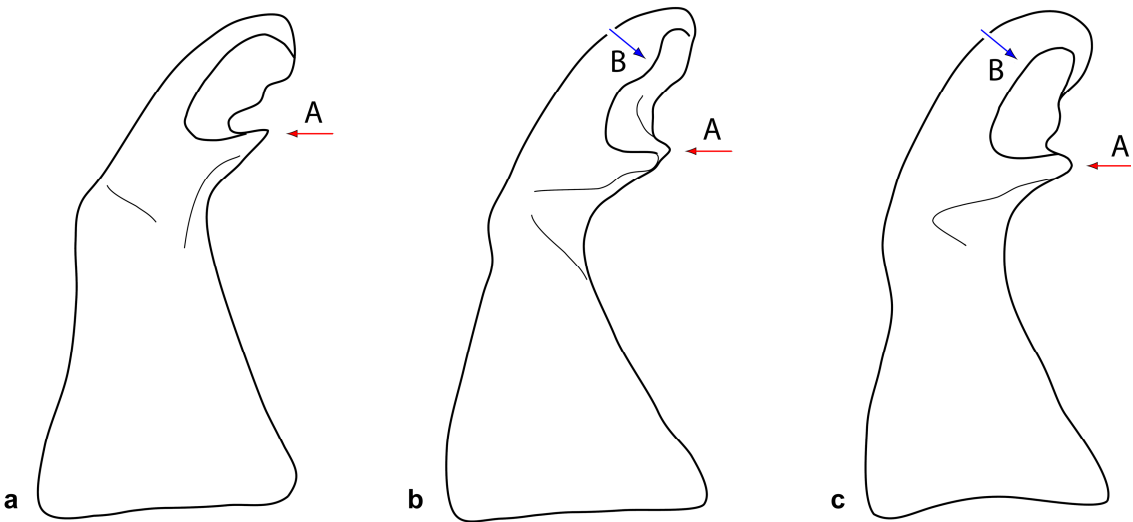


Fig. S5: Paramere structure in dorsal view. (a) *Tetramorium alpestre*; (b) *T. staerckei* sp.rev.; (c) *T. impurum*.