Supplementary Table 1. Collection data for the investigated *Matricaria* and *Tripleurospermum* taxa. *endemic, *x*: ploidy level, Chromosomal data derived from [a]INCEER & BEYAZOGLU (2004), [b]INCEER & HAYIRLIOGLU-AYAZ (2010), [c]INCEER & OZCAN (2011) [d]INCEER *et al*. (2018), and [e]INCEER & OZCAN (2021).

Taxon	Ploidy level	Locality	Voucher
Matricaria aurea (Loefl.) Sch.Bip.	2*x* (18)[b]	Gaziantep/Şanlıurfa: between Nizip and Birecik, Dutlu, roadsides, near cultivated area, 440 m a.s.l., 08.v.2007	Inceer 322
M. chamomilla L. var. *chamomilla*	2*x* (18)[c]	Çanakkale: Koru Dağı, roadsides near *Pinus brutia* forest, 70 m a.s.l, 11.v.2007	Inceer 331
M. chamomilla L. var. *recutita* (L.) Fiori	2*x* (18)[b]	Izmir: Odemis, between Izmir and Odemis, roadsides and cultived fields, 17 m a.s.l, 14.iv.2007	Inceer 258
M. matricarioides (Less.) Porter ex Britton	2*x* (18)[b]	Kars (Ardahan): Between Ardahan and Göle, roadsides, 1800 m a.s.l, 18.vii.2007	Inceer 420
**Tripleurospermum baytopianum* E.Hossain	2*x* (18)[d]	Çanakkale: Koru Dağı, roadsides, meadows, slopes, near *Pinus brutia* forest, 70 m a.s.l, 11.v.2007	Inceer 330
**T. callosum* (Boiss. & Heldr.) E.Hossain	4*x* (36)[a]	Gümüşhane: Kop Dağı pass, damp alpine pastures, meadows, 2200 m a.s.l, 14.vii.2000	Inceer 069
T. caucasicum (Willd.) Hayek [a]	2*x* (18)[d]	Gümüşhane: Near Köse Dağı pass, roadsides, 1800 m a.s.l, 16.vi.2001	Inceer 114
T. caucasicum [b]	4*x* (36)[d]	Artvin: Between Şavşat and Ardahan, roadsides, 1800 m a.s.l, 08.vi.2002	Inceer 151
T. conoclinium (Boiss. & Bal.) Hayek	2*x* (18)[d]	Izmir: Boz Dağ, meadows, pastures, cultivated fields, 1178 m a.s.l, 14.iv.2007	Inceer 264
**T. corymbosum* E.Hossain	3*x* (27)[b]	Ağrı: Suluçem (Musun), Balık Gölü, meadows, cultivated fields, 2098 m a.s.l, 11.vii.2008	Inceer 612
T. decipiens (Fisch. & Mey.) Bornm.	2*x* (18)[e]	Eskişehir: Midas road, among gardens, 1290 m a.s.l, 28.vi.2007	Inceer 375
T. disciforme (C.A.Meyer) Sch. Bip.	2*x* (18)[b]	İzmir: Boz Dağ, roadsides, water meadows, 1021 m a.s.l, 06.vii.2008	Inceer 592
T. elongatum (Fisch. & Mey.) Bornm.	2*x* (18)[a]	Gümüşhane: Torul, open slopes, roadsides, 1250 m a.s.l, 05.vi.2002	Inceer 144
**T. fissurale* (Sosn.) E.Hossain	2*x* (18)[b]	Artvin: Yusufeli, between Ispir and Yusufeli, near Kozahora, roadsides, rocky slopes, 617 m a.s.l, 04.vi.2007	Inceer 351
**T. heterolepis* (Freyn & Sint.) Bornm.	4*x* (36)[b]	Gümüşhane: Keçikaya Village, roadsides, 1618 m a.s.l, 04.vii.2007	Inceer 382b
**T. hygrophilum* (Bornm.) Bornm.	2*x* (18)[b]	Izmir: Yamanlar Dağı, near *Pinus* forest, open places, 887 m a.s.l, 15.iv.2007	Inceer 273
T. inodorum (L.) Sch.Bip.	4*x* (36)[b]	Erzurum; Between Pasinler and Horasan, near Horasan, Köprü Village, roadsides, 1600 m a.s.l, 11.vii.2008	Inceer 600
**T. kotschyi* (Boiss.) E.Hossain	4*x* (36)[b]	Niğde: Ulukışla, Bolkar Mountains, near Karagöl, 2600 m a.s.l, 29.vii.2008	Inceer 702
T. melanolepis (Boiss. & Buhse) Pobed.	2*x* (18)[a]	Gümüşhane; Köse Dağı, above the village of Sungurbeyli, grassy slopes, stony pastures on limestone, 1700 m a.s.l, 16.vi.2001	Inceer 113
T. monticola (Boiss. & Huet) Bornm.	4*x* (36)[a]	Trabzon: Zigana Dağı Pass, meadows, open slopes, 2000 m a.s.l, 26.vii.2002	Inceer 166
T. microcephalum (Boiss.) Bornm.	2*x* (18)[e]	Muş: Between Muş and Solhan, roadsides, 1362 m a.s.l, 10.vii.2008	Inceer 597
T. oreades (Boiss.) Rech. var. *oreades*	4*x* (36)[e]	Rize: Çamlıhemşin, Çat village, stream sides, 1200 m a.s.l, 09.vi.2001	Inceer 108
T. oreades var. *tchihatchewii* (Boiss.) E.Hossain	4*x* (36)[e]	Rize: Çamlıhemşin, between Meydan and Çat, roadsides, 1150 m a.s.l, 09.vi.2001	Inceer 107
T. parviflorum (Willd.) Pobed.	2*x* (18)[e]	İzmir: Bozdağ, roadsides, 1154 m a.s.l, 14.iv.2007	Inceer 265
**T. pichleri* (Boiss.) Bornm.	4*x* (36)[b]	Bursa: Uludağ, near hotels, meadows, damp woods, 1828 m a.s.l, 11.vi.2008	Inceer 553
**T. repens* (Freyn and Sint.) Bornm.	4*x* (36)[a]	Rize: Ikizdere, between Cimil and Başköy, stream sides, roadsides, 1900 m a.s.l, 13.vii.2002	Inceer 159
**T. rosellum* (Boiss. & Orph.) Hayek var. *album* E.Hossain	2*x* (18)[b]	Bolu: Near Abant Lake, meadows, 1331 m a.s.l, 12.vi.2008	Inceer 555
**T. rosellum* (Boiss. & Orph.) Hayek var. *album* E. Hossain	4*x* (36)[a]	Rize: Ikizdere, between Cimil and Ortaköy, bare ground, roadsides, stony pastures, on limestone, 1750 m a.s.l, 11.vii.2001	Inceer 134
T. sevanense (Manden.) Pobed.	4*x* (36)[a]	Gümüşhane: *Pinus* forests near Köse Dağı pass, boggy ground, moist meadows, stream sides, 1750 m a.s.l, 07.vi.2001	Inceer 105
T. subnivale Pobed.	5*x* (42-48)[a]	Rize: Ikizdere, above Ayder, grassy stream banks, stony pastures on limestone, 1600 m a.s.l, 20.vi.2001	Inceer 118
T. tempskyanum (Freyn. & Sint.) Rauschert	4*x* (36)[e]	Bursa; Uludağ, near hotels, meadows, 1690 m a.s.l, 27.vi.2007	Inceer 354
T. tenuifolium (Kit.) Freyn	4*x* (36)[b]	Bursa; Uludağ, near hotels, meadows, open places, 1690 m a.s.l, 27.vi.2007	Inceer 353
T. transcaucasicum (Manden.) Pobed.	2*x* (18)[a]	Rize: Ikizdere, between Cimil and Ortaköy, water meadows, roadsides, 1620 m a.s.l., 11.vii.2001	Inceer 135a
**T. ziganaense* Inceer & Hayirlioglu-Ayaz	2*x* (18)[b]	Gümüşhane: Zigana Dağı, between Zigana Pass and Torul, open places, rocky slopes, roadsides, 1300 m a.s.l, 22.vii.2008	Inceer 666

Supplementary Table 2. Stem anatomical characteristics of the *Matricaria* and *Tripleurospermum* taxa. mean ± standard error, Sclerenchy: sclerenchymatous.

Taxon	Epidermal cell		Cortex thickness (µm)	Collenchyma thickness (µm)	Sclerenchy. cap in phloem (µm)	Bundle sheath cell		Vascular bundle		Trachea size (µm)	Pith cell size (µm)
	Length (µm)	Width (µm)				Length (µm)	Width (µm)	Phloem thickness (µm)	Xylem thickness (µm)		
Matricaria aurea	13.22±0.61 (11.0-14.0)	18.34±1.17 (14.0-20.0)	65.80±16.2 (58.0-108.0)	25.20±3.60 (18.0-38.0)	32.60±1.88 (26.0-36.0)	25.90±1.55 (22.0-30.0)	30.86±1.32 (27.0-33.5)	47.20±0.80 (46.0-50.0)	87.20±5.07 (78.0-104.0)	11.75±0.68 (10.5-14.2)	76.00±4.55 (68.0-92.0)
M. chamomilla var. *chamomilla*	17.33±1.02 (15.3-18.0)	19.26±1.34 (15.8-23.5)	82.80±5.0 68.0-94.0)	34.00±6.0 (24.058.0)	58.20±13.4 (34.0-110.0)	17.76±2.21 16.3-23.0)	27.24±3.51 (16.3-23.0)	77.6±15.29 (58.0-138.0)	111.6±14.57 (68.0-160.0)	14.63±0.97 (12.8-18.2)	61.60±3.95 (52.0-76.0)
M. chamomilla var. *recutita*	17.42±0.30 (16.8-18.5)	14.32±1.12 (12.0-18.0)	130.7±15.9 (92.0-184.0)	67.60±9.99 (44.0-96.0)	92.40±9.83 (68.0-120.0)	22.40±1.71 (17.0-26.5)	26.70±1.66 (27.0-30.5)	104.0±11.0 (78.0-138.0)	123.00±6.70 (103.0-142.0)	14.80±0.98 (13.0-18.5)	72.32±4.39 (56.0-80.0)
M. matricarioides	15.50±0.57 (14.3-17.5)	14.74±0.91 (13.0-17.7)	125.20±8.3 (104.0-146.0)	51.40±3.84 (42.0-61.0)	67.60±3.44 (56.0-75.0)	18.70±0.30 (18.0-19.0)	24.00±1.06 (22.0-28.0)	81.80±3.77 (70.0-92.0)	94.60±6.39 (86.0-120.0)	12.80±0.64 (11.3-14.5)	45.28±2.34 (40.0-52.0)
Tripleurospermum baytopianum	16.28±0.73 (14.7-19.0)	14.58±0.96 (11.5-16.7)	74.00±13.1 (50.0-120.0)	22.00±3.34 (16.0-32.0)	39.20±2.87 (34.0-48.0)	14.70±0.86 (13.0-18.0)	21.56±1.33 (18.5-25.0)	47.60±2.78 (40.0-54.0)	76.80±7.62 (60.0-100.0)	13.00±0.21 (12.7-13.8)	50.40±2.40 (42.0-56.0)
T. callosum	16.25±0.52 (14.5-17.5)	15.55±1.05 (12.0-18.0)	78.20±3.46 (68.0-86.0)	64.70±1.84 (59.5-67.0)	54.44±1.96 (49.5-58.7)	16.00±0.52 (15.0-17.5)	29.90±3.07 (20.0-39.0)	84.50±1.64 (83.0-89.0)	120.60±5.99 (101.0-132.0)	14.20±0.84 (13.5-16.0)	67.20±3.19 (60.0-76.0)
T. caucasicum (2*x*)	13.68±0.67 (12.8-16.5)	17.58±0.29 (17.3-18.8)	97.80±12.1 (60.0-128.0)	48.60±8.35 (30.0-80.0)	78.67±2.58 (72.5-85.0)	16.27±0.59 (14.7-18.3)	24.80±0.57 (23.3-26.7)	88.00±1.89 (93.5-100.0)	97.90±1.34 (82.5-92.0)	12.30±0.25 (11.8-13.0)	54.37±0.97 (52.0-57.0)
T. caucasicum (4*x*)	13.80±1.33 (10.0-17.0)	11.60±0.62 (10.5-14.0)	96.00±5.20 (80.0-108.0)	28.93±2.41 (21.0-34.0)	100.33±5.57 (79.3-110.0)	30.60±0.88 (27.5-33.0)	16.20±0.34 (15.0-17.0)	118.27±5.92 (95.3-128.0)	154.80±8.78 (121.0-171.0)	19.60±1.67 (15.3-25.0)	58.37±1.41 (54.0-62.5)
T. conoclinium	19.90±2.04 (13.0-24.0)	25.40±3.03 (15.0-33.0)	185.2±16.8 (130.0-224.0)	53.60±5.26 (34.0-66.0)	52.60±3.18 (42.0-61.0)	27.80±1.24 (24.0-31.0)	37.90±1.79 (33.0-42.0)	73.60±6.60 (54.0-88.0)	163.20±7.32 (140.0-172.0)	13.34±0.22 (12.7-14.0)	69.12±5.81 (56.0-88.0)
T. corymbosum	14.82±1.23 (12.5-18.7)	20.24±0.49 (18.7-21.3)	117.2±12.6 (74.0-150.0)	81.80±10.87 (63.0-124.0)	90.20±3.35 (82.0-102.0)	22.04±1.09 (19.0-24.5)	33.26±2.18 (29.0-41.3)	118.00±3.57 (105.0-125.0)	195.80±16.94 (130.0-224.0)	20.01±1.38 (15.0-22.3)	81.32±2.72 (73.3-89.3)
T. decipiens	17.14±0.69 (15.5-19.0)	14.32±0.60 (13.0-16.5)	93.40±5.78 (78.0-112.0)	71.60±7.67 (44.0-90.0)	59.60±2.04 (54.0-64.0)	20.50±1.17 (17.5-23.5)	23.80±1.49 (21.0-28.5)	73.60±2.71 (64.0-80.0)	96.00±1.79 (92.0-102.0)	14.25±0.51 (13.5-16.3)	41.92±1.41 (38.0-46.0)
T. disciforme	15.86±1.03 (13.0-19.0)	21.70±1.50 (17.5-25.0)	141.0±17.4 (112.0-208.0)	84.80±4.97 (68.0-99.0)	118.66±6.15 (106.0-139.3)	20.20±0.72 (18.0-22.0)	31.04±1.12 (27.7-34.0)	159.60±9.96 (132.0-194.0)	220.00±15.46 (184.0-268.0)	28.94±1.54 (25.0-33.0)	77.06±4.40 (69.0-93.0)
T. elongatum	18.09±0.80 (15.0-19.3)	16.45±1.14 (12.8-19.5)	86.40±10.3 (68.0-110.0)	33.94±2.17 (28.0-40.0)	54.44±1.96 (49.5-58.7)	12.10±0.76 (10.5-14.5)	30.00±1.91 (25.0-34.5)	60.50±2.63 (54.0-70.0)	97.00±4.63 (80.0-105.0)	14.74±0.63 (13.5-17.0)	49.60±0.98 (48.0-52.0)
T. fissurale	16.80±0.64 (14.5-18.0)	14.96±2.96 (9.0-22.3)	54.00±2.53 (48.0-60.0)	15.80±0.91 (14.0-18.0)	40.80±2.24 (34.0-48.0)	13.70±0.44 (12.0-14.5)	23.90±1.21 (21.0-27.0)	59.60±3.54 (50.0-70.0)	97.60±4.87 (80.0-110.0)	17.70±0.73 (15.0-19.0)	65.00±2.53 (58.0-70.0)
T. heterolepis	13.45±0.69 (12.0-15.3)	20.77±0.33 (19.5-21.3)	105.2±4.75 (98.0-124.0)	52.20±4.60 (45.0-66.0)	92.20±4.48 (81.0-107.0)	20.87±1.05 (17.7-23.3)	31.62±2.34 (27.0-40.3)	106.74±4.37 (95.0-122.0)	197.26±10.66 (173.0-229.3)	18.81±1.51 (16.3-24.2)	78.64±5.53 64.7-92.0)
T. hygrophilum	19.20±0.81 (17.0-22.0)	18.90±1.32 (14.0-22.0)	122.4±13.0 (84.0-166.0)	58.80±4.83 (40.0-66.0)	73.34±3.21 (64.0-84.0)	21.90±0.75 (19.0-23.0)	29.20±1.16 (26.0-32.0)	89.40±4.18 (78.0-102.0)	110.90±5.43 (91.3-123.0)	15.20±0.20 (15.0-16.0)	55.48±1.14 (52.0-59.0)
T. inodorum	13.28±0.89 (11.0-15.7)	17.80±0.41 (16.3-18.3)	81.16±3.85 (74.5-95.0)	37.66±2.59 (31.0-44.0)	85.84±11.3 (57.0-109.0)	20.68±1.29 (18.3-24.0)	30.00±1.06 (27.70-34.0)	101.5±11.2 (72.5-122.0)	134.34±8.34 (111.0-157.0)	20.10±2.19 (14.5-25.0)	75.34±2.94 (65.7-83.3)

Taxon	Epidermal cell		Cortex	Collenchyma	Sclerenchy.	Bundle sheath cell		Vascular bundle		Trachea	Pith cell
	Length (μm)	Width (μm)	thickness (μm)	thickness (μm)	cap in phloem (μm)	Length (μm)	Width (μm)	Phloem thickness (μm)	Xylem Thickness (μm)	size (μm)	size (μm)
T. kotschyi	14.06±0.28	17.90±0.73	102.0±5.64	54.80±7.82	60.20±3.90	19.74±0.63	27.60±0.68	76.20±5.12	119.30±6.62	14.00±0.53	51.44±2.15
	(13.5-14.3)	15.5-19.5)	(87.0-120.0)	(39.0-80.0)	(45.0-66.0)	(17.7-21.0)	(26.0-29.0)	(58.0-88.0)	(93.0-129.0)	(13.0-16.0)	(47.0-57.7)
T. melanolepis	12.40±0.24	16.20±0.84	110.8±6.90	11.88±0.54	55.40±6.01	10.00±0.32	23.20±1.47	65.80±7.81	124.80±9.28	13.30±1.20	51.50±1.90
	(12.0-13.0)	(13.0-18.0)	(96.0-132.0)	(10.3-13.7)	(43.5-77.5)	(9.0-10.5)	(18.0-26.0)	(49.5-95.0)	(99.5-152.0)	(10.0-17.5)	(45.5-57.0)
T. microcephalum	12.42±0.49	19.20±0.88	70.60±4.78	34.60±3.76	88.10±8.22	16.80±0.5	32.68±2.25	102.80±6.36	235.20±9.73	22.63±0.20	71.70±2.70
	(11.5-14.3)	(18.0-22.7)	(51.5-76.0)	(24.0-43.0)	(58.5-107.0)	(15.0-18.0)	(28.7-41.3)	(80.0-119.0)	(208.0-268.0)	(22.0-23.3)	(64.5-78.0)
T. monticola	10.00±0.54	15.95±1.02	91.60±19.5	43.40±2.56	61.20±5.26	12.00±1.8	27.25±1.88	70.46±5.68	93.52±1.50	11.84±0.45	67.20±2.01
	(14.8-17.5)	(10.5-16.3)	(58.0-146.0)	(36.0-52.0)	(50.0-76.0)	(6.5-17.0)	(23.3-34.0)	(59.0-85.3)	(90.0-98.8)	(10.5-13.0)	(48.0-58.4)
T. oreades var. *oreades*	17.10±0.75	16.70±1.11	107.2±5.27	38.90±7.79	45.40±3.76	14.80±1.19	28.10±1.08	60.55±5.82	135.90±4.81	14.90±1.43	63.68±3.60
	(16.0-20.0)	(13.0-20.0)	(96.0-120.0)	(25.0-69.0)	(38.0-58.0)	(10.5-17.0)	(24.0-30.0)	(50.0-78.8)	(123.0-153.0)	(10.0-18.0)	(58.7-78.0)
T. oreades var.	18.24±0.64	19.12±0.71	110.4±5.63	51.64±6.56	74.00±8.13	14.22±0.70	29.02±1.04	91.04±9.02	137.84±3.98	19.52±1.09	50.50±2.81
tchihatchewii	(16.6-19.6)	(18.4-21.2)	(90.0-124.0)	(37.0-69.2)	(50.0-92.0)	(12.5-16.4)	(26.5-32.4)	(62.0-109.2)	(123.0-144.0)	(16.0-22.4)	(41.0-56.0)
T. parviflorum	18.50±1.25	21.32±1.40	83.40±14.5	36.00±6.83	65.00±11.5	20.76±1.81	39.00±3.75	84.80±15.01	123.4±15.88	15.18±1.10	74.20±7.40
	(14.0-21.5)	(18.0-25.3)	(54.0-134.0)	(24.0-60.0)	(31.0-98.0)	(18.5-26.0)	(28.0-51.5)	(44.5-131.5)	(80.0-174.0)	(12.7-18.0)	(56.5-100.0)
T. pichleri	19.06±0.27	21.62±0.80	140.8±11.23	59.20±4.07	73.00±3.20	19.40±0.82	31.60±1.69	86.60±2.22	148.00±3.08	17.34±1.08	60.40±11.23
	(19.0-20.0)	(20.0-24.5)	(116.0-146.0)	(48.0-72.0)	(65.0-81.0)	(17.0-22.0)	(25.3-34.7)	(80.0-91.0)	(140.0-158.0)	(14.7-20.5)	(116.0-180.0)
T. repens	17.35±0.42	18.35±1.36	82.00±2.42	40.66±9.71	90.46±7.08	23.00±0.95	40.40±3.77	108.4±6.58	156.33±28.81	23.60±5.32	63.66±3.60
	(15.8-18.3)	(15.5-23.0)	(75.0-88.0)	(17.0-67.7)	(75.3-111.3)	(21.0-26.0)	(34.0-54.0)	(94.0-126.0)	(96.3-231.0)	(12.3-36.7)	(58.7-78.0)
T. rosellum var. *album*	12.37±0.40	17.70±0.71	79.30±2.04	34.80±1.49	58.23±2.38	18.10±0.66	24.80±1.53	66.93±2.72	108.10±4.75	12.27±0.35	60.87±3.01
(2*x*)	(11.3-13.3)	(15.7-19.5)	(74.0-83.0)	(32.0-40.0)	(50.0-63.5)	(16.7-20.5)	(19.0-27.3)	(57.0-73.0)	(91.0-119.0)	(11.3-13.3)	(51.0-67.3)
T. rosellum var. *album*	21.76±0.80	21.33±0.96	134.0±6.92	86.20±2.22	72.74±2.85	28.6±0.43	33.38±0.35	90.80±2.08	124.20±2.59	12.98±0.27	61.20±1.38
(4*x*)	(20.3-24.3)	(18.2-23.5)	(136.0-145.0)	(80.0-93.0)	(65.0-73.0)	(28.0-30.0)	(32.7-34.7)	(85.0-98.0)	(117.0-133.0)	(12.5-14.0)	(56.064.0)
T. sevanense	17.70±1.02	20.60±0.93	154.80±9.61	168.9±20.62	92.20±4.53	24.50±1.50	40.10±2.92	115.52±3.58	222.40±5.81	21.47±0.65	83.00±8.04
	(15.0-21.3)	(17.3-22.5)	(126.0-184.0)	(114.7-213.3)	(77.0-102.0)	(20.0-28.0)	(34.0-49.0)	(103.7-123.0)	(206.7-235.3)	(20.0-23.0)	(58.0-98.0)
T. subnivale	17.85±0.97	16.40±1.13	118.4±11.9	48.33±5.08	44.33±1.78	36.30±4.79	36.00±2.81	61.26±1.13	107.40±1.85	13.66±0.24	73.30±5.39
	(15.8-21.5)	(13.5-19.0)	(90.0-150.0)	(38.3-66.7)	(40.0-49.3)	(27.0-48.0)	(30.0-45.0)	(57.3-64.0)	(101.3-112.0)	(13.0-14.3)	(61.0-91.5)
T. tempskyanum	18.04±0.31	19.42±0.17	128.4±7.99	47.50±2.31	76.40±1.47	24.56±1.25	35.74±1.17	96.20±1.24	157.40±5.03	20.92±0.33	68.70±3.85
	(17.3-19.0)	(19.0-20.0)	(100.0-146.0)	(39.5-52.0)	(74.0-80.0)	(21.5-28.0)	(32.0-39.0)	(93.0-99.0)	(143.0-170.0)	(20.3-22.0)	(62.0-83.0)
T. tenuifolium	17.64±0.32	18.26±0.64	87.60±3.50	32.20±1.93	32.30±0.66	19.78±0.88	23.40±0.9	43.00±2.05	78.50±1.85	10.54±0.23	58.80±3.18
	(17.0-18.7)	(16.0-19.3)	(77.0-96.0)	(25.0-36.0)	(30.0-34.0)	(16.7-21.7)	(20.7-26.3)	(35.0-46.0)	(74.0-82.0)	(10.0-11.0)	(48.0-64.0)
T. transcaucasicum	14.78±0.58	17.14±0.86	82.80±7.10	26.80±1.85	77.20±5.33	16.86±0.86	27.10±1.08	86.0±5.94	113.80±5.02	11.78±0.51	82.80±3.00
	(13.3-16.3)	(15.0-20.0)	(58.0-95.0)	(20.0-30.0)	(61.0-88.0)	(14.7-19.0)	(24.3-30.0)	(70.0-96.5)	(102.0-128.0)	(11.0-13.9)	(38.0-51.5)
T. ziganaense	15.21±0.23	16.94±0.67	56.00±6.28	35.14±2.78	54.08±4.07	15.03±0.54	23.26±1.77	66.80±3.35	98.40±3.22	13.48±0.21	73.28±5.38
	(14.7-15.8)	(14.8-18.7)	(35.0-74.0)	(28.0-44.0)	(45.0-68.7)	(14.2-16.3)	(16.3-25.7)	(60.7-68.0)	(92.7-107.0)	(12.8-14.0)	(53.5-83.3)

* Five to ten cells/tissues were measured from at least five slides.

Supplementary Table 3. Correlation coefficients between ploidy levels and anatomical stem characters in the *Tripleurospermum* taxa studied

Character	*r*	*P value*
Epidermal cell length	0.14	NS
Epidermal cell width	0.18	NS
Cortex thickness	0.21	NS
Collenchyma thickness	0.25	NS
Sclerenchymatous cap in phloem	0.20	NS
Bundle sheath cell length	0.43	< 0.05
Bundle sheath cell width	0.39	< 0.05
Phloem thickness in vascular bundle	0.31	NS
Xylem thickness in vascular bundle	0.42	< 0.05
Trachea size	0.36	< 0.05
Pith cell size	0.16	NS

*P <0.05, NS = not significant