

S1: A list of herbarium specimens examined

A list of herbarium specimens examined is presented as the supplementary materials. See below for an explanation of the Chinese provinces abbreviations and acronyms of herbaria.

Provinces and autonomous regions of China: **A** – Anhui, **C** – Chongqing, **F** – Fujian, **G** – Gansu, **Gd** – Guangdong, **Gh** – Guizhou, **Gx** – Guangxi, **Ha** – Hainan, **Hb** – Hubei, **He** – Hebei, **Hl** – Heilongjiang, **Hn** – Henan, **Hu** – Hunan, **I** – Inner Mongolia, **Jl** – Jilin, **Js** – Jiangsu, **Jx** – Jiangxi, **L** – Liaoning, **N** – Ningxia, **Q** – Qinghai, **Sa** – Shaanxi, **Sd** – Shandong, **Sh** – Shanghai, **Si** – Sichuan, **Sx** – Shanxi, **Ta** – Taiwan, **Xi** – Xinjiang, **Xz** – Xizang, **Y** – Yunnan, **Z** – Zhejiang.

Acronyms of the herbaria according to *Index herbariorum* but for some Chinese herbaria they are unauthorised and introduced only for the purposes of the present article - they are distinguished by not using bold letters: **C** – University of Copenhagen, Denmark; **E** – Royal Botanic Garden Edinburgh, Scotland, U.K; **GuZU** – Guizhou University, China; **H** – University of Helsinki, Finland; **HSNU** – Herbaria of East China Normal University, China; **HuBU** – Hubei University, China; **IFP** – Institute of Applied Ecology, Academia Sinica, Shenyang, China; **InMU** – Inner Mongolia University, China; **KRAM** – Herbarium of the W. Szafer Institute of Botany, Polish Academy of Sciences, Krakow, Poland; **KUN** – Herbarium of Kunming Institute of Botany, the Chinese Academy of Sciences, China; **OSTR** – University of Ostrava, Czech Republic; **PC** – Muséum National d'Histoire Naturelle, Paris, France; **PE** – Institut of Botany, Chinese Academy of Science, Beijing, China; **ShM** – Shanghai Museum, China; **ShU** – Shanghai Normal University, China; **W** – Naturhistorisches Museum, Wien, Austria; **XJU** – Xinjiang University, China.

Leratia exigua (Sull.) Goffinet

Herbarium specimens examined: **A** (*OSTR* B3492, B3493; *ShM* 12038, 12047), **F** (*PE* 00667481, 00667508), **Gh** (*GuZU* DJ20160524090, DJ20160602020, F1040h; *OSTR* B2586, B2587, B2591, B2594, B2595, B2597, B2599, B2602, B2605), **Hu** (*KUN* B0010619), **Jx** (*PE* 00353696, 00353697A, 00353698A, 00353699A, 00353699B, 00353700A, 01077019; *ShM* 012109, 012111), **Sa** (*PE* 01090290), **Si** (*OSTR* B3494, B3668; *PC* 0878902; *PE* 00353758; *E* 04005410), **Y** (*KUN* B0010596, B0010597; *E* 00266289, 00266292, 00653850, 00670161), **Z** (*OSTR* B3491; *ShM* 12172).

Lewinskya affinis (Brid.) F. Lara, Garilleti & Goffinet var. *affinis*

Herbarium specimens examined: **A** (*ShM* 12038, 12211, 12224; *ShU* 20160507017), **Gh** (*GuZU* DJ20160526032, DJ20160602019, DJ20160603012; *OSTR* B2591), **I** (*IFP* 0011597), **Jl** (*IFP* 002357; *PE* 00645488; *ShM* 12262, 12266), **Sd** (*IFP* 002356), **Si** (*IFP* 002349), **Xi** (*XJU* 196, 1526, 14914, 15139, 15269, 16324, 18611, 18670, 20759, 20790, 22972, 26662, 26783), **Z** (*ShU* 2011052402; *ShM* 12168).

Lewinskya affinis var. *bohémica* (Plášek & Sawicki) Plášek

Herbarium specimen examined: **Xi** (*XJU* 26783).

Lewinskya dasymitria (Lewinsky) F. Lara, Garilleti & Goffinet

Herbarium specimens examined: **Gh** (*OSTR* B2599, B2600, B2601), **Hb** (*IFP* 200973, 201043, 201063), **Jl** (*IFP* 1157, 002355, 002360), **Q** (*PE* 00353685; *E* 27196a, 27196b, 00049025, 00151567), **Si** (*E* 39745, 39868, 39923, 40052, 40187; *GuZU* DG20120824040; *H* 45071, 46339, 91084; *KRAM* B-253655, B-253656, B-253657, B-253658, B-253659, B-253660, B-253661, B-253662, B-253663; *IFP* 10140; *KUN* B0010588, 0878642, 0878900; *PE* 01754596; *ShU* 90480, 201201, 201202, 201203, 2012082501, 2012082502, 2012082503, 2012082505, 2012082506, 2012082507, 2012082508, 2012082513; *XJU* 14539), **Sx** (*PE* 00648105), **Xi** (*IFP* 200293, 200353, *XJU* 11034, 13626, 14996, 15503, 15675, 16349, 23710, 26500, 26679), **Xz** (*PE* 01091968), **Y** (*E* 18562, 18719a, 23575, 23625a, 23690a, 23866a, 23945, 00151566, 00151568, 00151569, 00151571, 00151573, 00151574).

Lewinskya erosa (Lewinsky) F. Lara, Garilleti & Goffinet

Herbarium specimens examined: **G** (*PE* 01414559), **Hb** (*IFP* 200941, 201016), **Si** (*H* 91084; *PE* 01754596).

Lewinskya graphiomitria (Müll. Hal. ex Beckett) F. Lara, Garilleti & Goffinet

Herbarium specimens examined: **Gh** (*GuZU* DJ20160523159, DJ20160602019, DJ20160603012), **Jx** (*ShM*

16651), **Ta** (*ShU* 20120915462, 20120915469, 20120915471).

Lewinskya hookeri* var. *granulata (Lewinsky) F. Lara, Garilleti & Goffinet

Herbarium specimens examined: **Si** (*OSTR* B1516), **Y** (*E* 18523, 18547, 18709, 18976, 23575, 23584, 23625a, 23651, 23690a, 23693, 23718, 23787, 23912, 23945, 24086, 24461, 00151560, 00151561, 00151562, 00151563, 00151564, 00151565).

Lewinskya hookeri* (Wilson ex Mitt.) F. Lara, Garilleti & Goffinet var. *hookeri

Herbarium specimens examined: **G** (*ShU* 20060786-1), **Sa** (*ShU* 20160512032), **Si** (*E* 39718, 39726, 39746, 39790, 39859, 39957, 40017; *HSNU* 90478, 201204; *IFP* 19356, 19570, 19614, 19690, 19697, 19810, 19843, 20211, 20872; *KRAM* B-253619, B-253620, B-253621, B-253625, B-253626, B-253627, B-253628, B-253629, B-253630, B-253631, B-253632, B-253633, B-253634, B-253635, B-253636, B-253637, B-253638, B-253639, B-253640, B-253641, B-253642, B-253644, B-253655, B-253656, B-253657, B-253658, B-253659; *KUN* B0010589, 0855629, 0878429; *OSTR* B3663, B3664, B3666, B3667, B3669, B3691, B3692, B3693, B3694, B3695, B3696, B3697, B3698, B3699, B3700, B3701, B3702, B3703, B3704, B3705, B3706, B3707, B3708, B3709, B3710, B3711, B3712, B3713, B3714, B3715, B3716, B3717; *PE* 00353686, 00656560; *ShM* 2388, 5739; *ShU* 90288, 201202, 445079, 20120801, 20120802, 20120803, 20120804, 2012082502, 2012082508, 2012082512, 2012082513; *XJU* 14539), **Xi** (*PE* 1375, 5592; *XJU* 00095, 297, 00998, 5974, 8119, 12825, 12880, 13059, 13101, 13137, 13212, 13247, 13680, 13711, 13760, 13799, 13861, 13974, 14042, 14588, 14954, 15310, 15490, 15504, 15558, 15571, 15623, 16014, 16199, 16348, 16350, 16352, 17198, 17353, 18050, 18059, 18208, 18928, 19097, 20243, 20909, 23461, 23675, 23682, 24079, 24154, 24196, 24204, 24920, 24925, 24934, 25801, 25814, 25820, 26020, 26035, 26130, 26303, 26557, 26574, 27949, 28216, 28283, 28627, 811023590), **Xz** (*PE* 08483, 01758843; *KUN* 0878369), **Y** (*E* 18812, 18878, 19273, 23622, 23726, 23828, 24136, 24184, 24533; *H* 42031, 42053, 43086; *IFP* 002372; *KUN* B001058, B001574, B0010572, B0010577, B0010580, B0010587, B0010613, B0013626, 0878594, 0878896, 0879259, 0898056; *PE* 039102, 00353739; *ShU* G1007160022; *W* 3336, 3548, 4195, 6510, 6773).

Lewinskya iwatsukii (Ignatov) F. Lara, Garilleti & Goffinet

Herbarium specimens examined: **Q** (*E* 00049004; *PE* 00353745), **Xi** (*IFP* 420; *PE* 1413, 12811; *XJU* 5953, 12811, 12913, 14073, 14215, 15304, 18075, 18465, 26500, 28066), **Y** (*KUN* B0010584).

Lewinskya leiolecythis (Müll. Hal.) F. Lara, Garilleti & Goffinet

Herbarium specimens examined: **Sa** (*H* 2170)

Lewinskya pulchra (Lewinsky) F. Lara, Garilleti & Goffinet

Herbarium specimens examined: **Si** (*H* 45341, 46206; *IFP* 987; *KUN* 0878900; *PE* 00645497; *ShM* 985)

Lewinskya rupestris (Schwägr.) F. Lara, Garilleti & Goffinet

Herbarium specimens examined: **Si** (*E* 39692, 39818; *OSTR* B3663, B3665, B3666, B3667), **Xi** (*E* 01421490; *PE* 1419, 01747972; *XJU* K110, 346, 2846, 5552, 9022, 12808, 12812, 12907, 13783, 13832, 14215, 14913, 14966, 15203, 15270, 15307, 15313, 15319, 15321, 15326, 15331, 15643, 15644, 16834, 16898, 16901, 17353, 17751, 17755, 17770, 17787, 17805, 18597, 20230, 20886, 20972, 21331, 21614, 22943, 22957, 22962, 23152, 23301, 23347, 23356, 23366, 24079, 24167, 24762, 25042, 25715, 26161, 26290, 26303, 26423, 26464, 26475, 26496, 26498, 26506, 26528, 26627, 26681, 26688, 26689, 26693, 26772, 27644, 27743, 27804, 27810, 27820, 27838, 27845, 27881, 27892, 27911, 27920, 27921, 27944, 27953, 28012, 28055, 28093, 28099, 28135, 28164, 28179, 28287, 28299, 28372, 28373, 28406, 28420, 28453, 28499, 28543, 28592, 240022).

Lewinskya sordida (Sull. & Lesq.) F. Lara, Garilleti & Goffinet

Herbarium specimens examined: **Hb** (*IFP* 200975), **Hi** (*IFP* 0008952, 0015662, 0015736), **I** (*IFP* 8776, 002344, 002362), **Ji** (*IFP* 000980, 002353, 002360, 002361, 36735a), **Xi** (*XJU* 10727, 24955).

Lewinskya speciosa (Nees) F. Lara, Garilleti & Goffinet

Herbarium specimens examined: **C** (*IFP* 5492), **G** (*KUN* B0010575; *PE* 01086817), **Hb** (*IFP* 200974, 200975), **He** (*HuBU* 98114, 971810, 971910-6), **Hi** (*IFP* 006169), **Hu** (*KUN* B0010615), **I** (*IFP* 0010609), **Ji** (*IFP* 002358, 002360, 002363, 18544; *PE* 01076829; *ShM* 09757, 10033, 10346), **Q** (*E* 26872, 27080, 27163b,

27196a, 27254, 27256c, 27294, 00049003, 00049007, 00049008, 00049012, 00049013, 00049016, 00049017, 00049018, 00049019, 00049020, 00049022, 00049023, 00049026, 00049027, 00049028), **Sa** (*OSTR* B3558, B3564; *ShU* 20160512021, 20160512026, 20160512041, 20160512045), **Si** (*H* 45071; *IFP* 000586; *OSTR* B3664, B3717; *ShU* 201201, 2012082401, 2012082405), **Sx** (*IFP* 12, 32), **Ta** (*ShU* 20120915425), **Xi** (*IFP* 447, 200210, 200328, 200374200413, 200494; *KUN* B0010592, B0010593; *PE* 1383, 2524, 15220, 138515139; *ShU* 201182601; *XJU* K76, K90, 2580, 2737, 2813, 04670, 5221, 5230, 5401, 5588, 9012, 9014, 9015, 9018, 10965, 11035, 11076, 11082, 11089, 11252, 12157, 12169, 12337, 12834, 12860, 13032, 13041, 13096, 13109, 13117, 13133, 13148, 13264, 13266, 13374, 13713, 13741, 13826, 13836, 13591, 13674, 13783, 14019, 14073, 14172, 14588, 14913, 15067, 15200, 15209, 15212, 15230, 15239, 15315, 15318, 15367, 15520, 15551, 15770, 15736, 16233, 16324, 16336, 16339, 16340, 16359, 16508, 16692, 16901, 17160, 17197, 17262, 17414, 17835, 17912, 17918, 17920, 17996, 18033, 18219, 18519, 18627, 18675, 19349, 19394, 19836, 20119, 20767, 20821, 20831, 21028, 21313, 21321, 21396, 21398, 21408, 21409, 21995, 22115, 22199, 22596, 22984, 23010, 23341, 23344, 23424, 23630, 23706, 23846, 23849, 23958, 24104, 24105, 24126, 24154, 24196, 24717, 25003, 25036, 25271, 25280, 26102, 26124, 26274, 26374, 27168, 27590, 27616, 27609, 28012, 28076, 28117, 28136, 28287, 28321, 28469, 28648, 29239, 29241) **Xz** (*IFP* 200206; *KUN* B0025815), **Y** (*IFP* 002367; *KUN* B0010591).

***Lewinskya striata* (Hedw.) F. Lara, Garilleti & Goffinet**

Herbarium specimens examined: **G** (*PE* 01414559), **Hb** (*IFP* 201043), **Jl** (*IFP* 002359), **Jx** (*ShM* 016667), **Sa** (*OSTR* B3558, B3566; *ShU* 20160512031, 20160512041), **Sx** (*IFP* 19157), **Si** (*IFP* 003417; *KRAM* B-25369, B-253672, B-253610, B-253611, B-253692, B-253693; *OSTR* B3664; *ShU* 201202, 201203, 201204, 20120803, 20120804, 20120805; *XJU* 14539), **Xi** (*XJU* 24217, 25271, 25280), **Xz** (*IFP* 18612).

***Lewinskya taiwanensis* (Lewinsky) F. Lara, Garilleti & Goffinet**

Herbarium specimens examined: **Ta** (*OSTR* B3999)

***Lewinskya vladikavkana* (Venturi) F. Lara, Garilleti & Goffinet**

Herbarium specimens examined: **Q** (*E* 27080, 27196b, 00049012, 00049023), **Sa** (*PE* 00353687; *ShM* 5422), **Si** (*GuZU* DG20120824040, DG20120824052; *IFP* 982, 1955, 19857, 077933; *KRAM* B-253632, B-253633, B-253645, B-253646, B-253647, B-253662, B-253663, B-253664, B-253665, B-253699; *KUN* B0010571; *OSTR* B3669; *PE* 5828, 01745291, 00353686; *ShU* 2012082401, 2012082405, 2012082503, 2012082505, 2012082506), **Sx** (*PE* 645490), **Xi** (*PE* 1415; *XJU* 15309, 23010, 24105, 24212, 24217), **Xz** (*IFP* 17777), **Y** (*KUN* B0010577, B0010578, B0010579, 0878605; *OSTR* B3593, B3594, B3595, B3596, B3597, B3598, B3599, B3600, B3601, B3602, B3603, B3604, B3605, B3606, B3608, B3610, B3611, B3612, B36013, B3614, B3615, B3616; *PE* 00667215, 00667218; *ShU* G1007160024;).

***Nyholmiella obtusifolia* (Brid.) Holmen & E. Warncke**

Herbarium specimens examined: **G** (*OSTR* B2580, B2581), **He** (*HuBU* 971815-Q, 971815-6, 971842, 971904;), **Hi** (*IFP* 002351), **I** (*IFP* 002344, 002348; *IM* 1944), **L** (*IFP* 38870), **Q** (*E* 27170-c, 27256-c, 00049014, 00049021, 00049030), **Sa** (*OSTR* B3548, B3549, B3550, B3551, B3552, B3553, B3554, B3555, B3557, B3559, B3563, B3567; *ShU* 20160512027), **Sd** (*IFP* 002356), **Si** (*E* 4009240092; *GuZU* DG20120823025; *IFP* 002349; *KRAM* B-253622, B-253623, B-253694, B-253695, B-253696, B-253697, B-253698, B-253699; *OSTR* B3662, B3663, B3664, B3670, B3671, B3672, B3673, B3674, B3675, B3676, B3677, B3678, B3679, B3680, B3681, B3682, B3683, B3684, B3685, B3686, B3687, B3688, B3689, B3690, B3691, B3692, B3693), **Xi** (*IFP* 200210, 200413; *XJU* 135, 263, 2813, 12845, 12869, 14454, 14549, 14550, 14583, 16057, 16059, 16212, 16214, 18519, 18530, 18547, 18670, 19303, 19798, 19830, 19835, 20761, 23301, 23319, 27590, 27601, 27691, 28300, 29425), **Y** (*E* 23615, 24476, 24514, 24518).

***Orthotrichum alpestre* Wilson**

Herbarium specimens examined: **G** (*IFP* 8628), **Xi** (*PE* 1520; *XJU* 00740, 9941, 15326, 16898, 16901, 16902, 16965, 18587, 18595, 18600, 20135, 21027, 23436, 23551, 25712, 26285, 26459, 26506, 26507, 26627, 26696, 26761, 28177, 28350, 28480).

***Orthotrichum anomalum* Hedw.**

Herbarium specimens examined: **Gh** (*GuZU* PX090501109, JS20150809008, JS20150809047, DJ20160526030, DJ20160526039), **He** (*HuBU* 88159, 97062, 98021, 98057, 98102, 98103-9, 98124-6, 98173, 98195, 971851, 971868; *IFP* 31654), **Hi** (*IFP* 002350), **I** (*IFP* 0011672, 0909655; *InMU* 0251; *PE* 00353569, 00353570), **Jx** (*ShM* 12109), **Q** (*E* 00049010, 00049011; *PE* 00353660), **Si** (*E* 39972), **Sx** (*IFP* 3), **Xi** (*HSNU*

07002; *IFP* 79, 419, 422, 428, 437, 02845, 03148, 03201, 8005, 8024, 200145, 200210, 200274, 200280, 200335, 200360, 200412, 200422, 200536; *KUN* B0010594, B0010595; *PE* 1505, 12769; *ShU* 201172301, 201172302, 211182301, 21182602, 21182604, 21182606; *XJU* 23, 38, 59, 64, 170, 00237, 294, 330, 344, 346, 00366, 00387, 00739, 00740, 2580, 2815, 2834, 3511, 5821, 6115, 9001, 9006, 9013, 9022, 9025, 9026, 9028, 9034, 9081, 09935, 09997, 11076, 12708, 12722, 12725, 12743, 12744, 12760, 12768, 12773, 12822, 12834, 12864, 12873, 12927, 12932, 12935, 12942, 12966, 12982, 13204, 13454, 13836, 13838, 14044, 14066, 14215, 14446, 14448, 14530, 14539, 14540, 14548, 14668, 14904, 15258, 15269, 15315, 15319, 16217, 16317, 16342, 16343, 16344, 16345, 16356, 16472, 16556, 16898, 16905, 16911, 17199, 17410, 17751, 17755, 17770, 17787, 17788, 17791, 17816, 18530, 18582, 18587, 18594, 18611, 18670, 18715, 18746, 18759, 18760, 18796, 19338, 19361, 19367, 19369, 19452, 19826, 19828, 19912, 19956, 20038, 20195, 20210, 20243, 20261, 20263, 20265, 20283, 20331, 20355, 20564, 20617, 20632, 20881, 20886, 20896, 20903, 20909, 20948, 20979, 21031, 21216, 21246, 21249, 21264, 21283, 21287, 21327, 21332, 21387, 21398, 21428, 21430, 21431, 21436, 21583, 21609, 21610, 21612, 21614, 21615, 21616, 21623, 21995, 22866, 22895, 22903, 22943, 22959, 23067, 23068, 23180, 23185, 23230, 23344, 23347, 23424, 23442, 23630, 23748, 23761, 23826, 23848, 23883, 23960, 24064, 24168B, 24210, 25170, 25171, 25211, 25268, 25941, 26135, 26149, 26219, 26290, 26296, 26303, 26311, 26377, 26459, 26496, 26528, 26681, 26688, 26679, 26781, 27152, 27157, 27168, 27173, 27181, 27186, 27187, 27600, 27609, 27621, 27635, 27644, 27703, 27745, 27751, 27810, 27813, 27822, 27911, 27942, 27659, 27970, 28037, 28135, 28167, 28168, 28174, 28179, 28284, 28287, 28300, 28327, 28350, 28372, 28420, 28480, 200228), **Xz** (*PE* 01089893), **Y** (*E* 18515, 18712, 24027, 24126).

***Orthotrichum callistomum* Fisch.-Oost. ex Bruch & Schimp.**

Herbarium specimens examined: **G** (*PE* 01414559), **Sa** (*ShU* 20160512041), **Si** (*E* 39745, 40052, 40187; *H* 45071, 91084; *IFP* 3447, 077933; *KRAM* B-253627, B-253628, B-253629, B-253630, B-253634, B-253635, B-253636, B-253637, B-253638, B-253639, B-253642, B-253643, B-253644, B-253645, B-253646, B-253647, B-253648, B-253649, B-253650, B-253652, B-253653, B-253654, B-253657, B-253658, B-253659, B-253660, B-253661, B-253662, B-253663, B-253694, B-253695, B-253696; *KUN* 0878900; *OSTR* B3666, B3706, B3707, B3708; *PE* 01413425, 01754596; *ShU* 85, 201202, 20120801, 20120802, 20120803, 20120804, 2012082502, 2012082503, 2012082505; *XJU* 14539), **Xz** (*PE* 008183), **Y** (*E* 18655, 18719, 18976, 23625a, 23626, 23651, 23677, 23875, 23945, 24462, 24533, 41665, 00151564, 00151574, 00151575, 00151576, 00151579, 00151580, 185471664; *KUN* B0010573, B0012532; *OSTR* B3593, B3594, B3595, B3598, B3600, B3601, B3603, B3604; *PC* 0135109; *ShM* 6524, 7810; *ShU* 030674).

***Orthotrichum consobrinum* Cardot**

Herbarium specimens examined: **A** (*OSTR* B3508, B3509, B3510, B3513, B3517, B3520, B3525, B3545; *ShM* 1728), **Gh** (*GuZU* MYH20130420032, DJ20160523159, DJ20160524081; *OSTR* B2607, B2590, B2605), **Hu** (*KUN* 0010617; *PC* 0167492; *ShM* 11538), **Js** (*ShM* 12039, 12040), **Sa** (*ShU* 20160512021, 20160512026, 20160512027, 20160512041, 20160512043), **Sh** (*ShM* 12051), **Y** (*KUN* 0010585), **Z** (*GuZU* 07057, 07228, 08027; *OSTR* B3498, B3502, B3503, B3505, B3529, B35330, B3532, B3533, B3534, B3535, B3536, B3537, B3540, B3541, B3542, B3571, B3572, B3575, B3576, B3577, B3578, B3579, B3581, B3582, B3583, B3584, B3585, B3586, B3587, B3588, B3589, B3590, B3591, B3592; *ShM* 12162; *ShU* 20160503065, 20160503066, 20160503074, 20160503075, 20160504001, 20160504002, 20160504003, 20160504004, 20160504005, 20160504006).

***Orthotrichum crenulatum* Mitt.**

Herbarium specimens examined: **I** (*IFP* 0011255, 0011332), **Xi** (*IFP* 0000096, 20150, 20411, 200164, 200413; *PE* 14511; *XJU* 36, 130, 11921, 14450, 14511, 15722, 15724, 16212, 16214, 16336, 16341, 17791, 18528, 18627, 19830, 21408, 21409, 21461, 23301, 23319, 24479, 24717, 25280, 27168).

***Orthotrichum crispifolium* Broth.**

Herbarium specimens examined: **A** (*OSTR* B3497, B3506, B3507, B3508, B3510, B3511, B3512, B3514, B3515, B3519, B3521, B3522, B3523, B3524, B3526, B3527, B3543, B3544, B3545, B3560, B3574, B3619, B3620, B3621, B3622; *ShU* 20160506034, 20160506062, 20160506063, 20160507001, 20160507010, 20160507017, 20160507026), **Gh** (*GuZU* SN20140526008, DJ20160523159, DJ20160529047, DJ20160602019, DJ20160602020; *OSTR* B2588, B2589, B2590, B2595, B2599), **Hb** (*IFP* 201016), **Hu** (*KUN* B0010618), **Q** (*E* 27196a), **Sa** (*OSTR* B3546, B3547, B3548, B3549, B3550, B3551, B3552, B3553, B3554, B3555, B3556, B3557, B3561, B3562, B3563, B3564, B3565, B3566, B3568; *ShU* 20160510008, 20160512021, 20160512027, 20160512030, 20160512041, 20160512042, 20160512043, 20160512045), **Si** (*GuZU* DG20120823025; *IFP* 20500, 24462; *OSTR* B3718, B3719, B3720, B3721; *ShU* 20120806, 2012082404), **Ta** (*ShU* 20120915466, 20120916500, 20120916502), **Y** (*E* 18883, 23584, 41665,

00151586, 00151587; *KUN* 0010581, 0010582, 0010583; *OSTR* B3594, B3596, B3597, B3602, B3603, B3605, B3606, B3607, B3609, B3610, B3611, B3612, B3614, B3615, B3617, B3618; *PC* 0135103), **Z** (*OSTR* B3528, B3578, B3581, B3582; *PE* 00667479).

***Orthotrichum cupulatum* Brid.**

Herbarium specimens examined: **Jx** (*ShM* 9987), **Xi** (*IFP* 420c, 420d, 428; *PE* 492, 498, 1490, 1516, 1532; *XJU* 498, 00603, 3517, 12764, 12830, 15319, 18582, 19828, 21264, 21297, 23753, 28053).

***Orthotrichum erubescens* Müll. Hal.**

Herbarium specimens examined: **Hu** (*OSTR* B3998), **Jx** (*PE* 00353702), **Z** (*HSNU* 20001737; *OSTR* B2588, B2590).

***Orthotrichum griffithii* Mitt. ex Dixon**

Herbarium specimens examined: **A** (*OSTR* B3516; *ShU* 20160506011, 20160506021, 20160506033, 20160506062, 20160507010), **C** (*GuZU* S20120403108), **Gh** (*GuZU* F1040h, MYH20130420032, K20141125086, JS20150808063, DJ20160523007, DJ20160526040; *OSTR* B2589, B2592, B2594, B2595, B2596, B2597, B2598, B2600, B2601, B2604, B2606), **He** (*HuBU* 971821), **Jx** (*ShM* 10024, 12132), **Q** (*E* 27080, 27196c, 00049025), **Sa** (*OSTR* B3559), **Si** (*IFP* 6816), **Y** (*E* 24518, 00266290, 00701765), **Z** (*HSNU* 20001735, 20001738, 20001739, 20001740; *OSTR* B3531; *ShM* 12162; *ShU* 20170426026, 20170426029).

***Orthotrichum hallii* Sull. & Lesq.**

Herbarium specimen examined: **Q** (*E* 00049005).

***Orthotrichum ibukiense* Toyama**

Herbarium specimen examined: **Si** (*OSTR* B3997).

***Orthotrichum jetteae* B. H. Allen**

Herbarium specimen examined: **Hb** (*IFP* 200941).

***Orthotrichum laxum* Lewinsky**

Herbarium specimen examined: **Q** (*E* 26961).

***Orthotrichum moravicum* Plášek & Sawicki**

Herbarium specimens examined: **Sa** (*OSTR* B3557), **Xi** (*XJU* 12986, 27697).

***Orthotrichum notabile* Lewinsky**

Herbarium specimen examined: **Si** (*OSTR* B3994).

***Orthotrichum pallens* Brid.**

Herbarium specimens examined: **Gh** (*OSTR* 2593); **Xi** (*XJU* 135, 12986, 14441, 14517, 14573, 14585, 14588, 16344, 18521, 18618, 18620, 19303, 19835, 19852, 21583, 22023, 23344, 23706, 23855, 24555, 25003, 25271, 28486).

***Orthotrichum pamiricum* Plášek & Sawicki**

Herbarium specimens examined: **Xi** (*IFP* 200164; *ShU* 201182601, 201182602, 201182603, 201182605; *XJU* 0244, 9015, 9018, 9026, 9034, 11076, 11921, 11252, 12147, 14583, 16057, 16059, 16212, 16233, 16337, 16339, 17912, 17918, 18430, 18532, 18534, 18535, 18543, 18547, 18553, 18576, 18609, 18670, 18675, 18715, 19798, 19835, 19836, 19852, 19862, 20119, 20150, 21405, 21480, 23777, 23846, 24304, 24406, 24416, 24455, 24462, 24473, 24493, 24640, 24652, 24738, 25506, 27330, 27590, 27601, 27616, 27691, 27751, 28300, 28592, 29425).

***Orthotrichum pellucidum* Lindb.**

Herbarium specimen examined: **Xi** (*OSTR* B3991).

***Orthotrichum pumilum* Sw.**

Herbarium specimens examined: **I** (IFP 0011401, 0011528), **Q** (E 27066b, 27162b, 27214b, 27256b, 00049013, 00049018, 00049026), **Sa** (OSTR B3549, B3567), **Xi** (IFP 200151, 200164, 200210, 200410; PE 14511; ShU 201182604; XJU 130, 00301, 14441, 14454, 14455, 14517, 14529, 18530, 18533, 18534, 19862, 20193, 20761, 20787, 20790, 22549, 23301, 23319, 23706, 24640, 25271, 27609, 27751, 28300), **Z** (HSNU 20001741).

***Orthotrichum revolutum* Müll. Hal.**

Herbarium specimens examined: **He** (HuBU 20451), **Sa** (HuBU 2996026), **Xi** (XJU 2813, 20821).

***Orthotrichum rogeri* Brid.**

Herbarium specimens examined: **Gh** (GuZU LP0310615), **Q** (E 27163c, 27248b).

***Orthotrichum scanicum* Grönvall**

Herbarium specimens examined: **G** (XJU 54349), **Sa** (OSTR B3548, B3550, B3551, B3552, B3553, B3563, B3567, B3568), **Xi** (XJU 192, 00241, 294, 325, 455, 00998, 04670, 12834, 12986, 16340, 17199, 17262, 17996, 18547, 18560, 18582, 18587, 18741, 18746, 19836, 20763, 20767, 21216, 21405, 22023, 23531, 23699, 23958, 24126, 24640, 26149, 26528, 26693, 26783, 27168).

***Orthotrichum schimperi* Hammar**

Herbarium specimens examined: **Xi** (XJU 12986, 22549).

***Orthotrichum schofieldii* (B. C. Tan & Y. Jia) B. H. Allen**

Herbarium specimens examined: **G** (XJU 54349), **Q** (E 27196b, 00049012, 00049029, 000207020, 000207021).

***Orthotrichum sinuosum* Lewinsky**

Herbarium specimen examined: **Sa** (OSTR B3984).

***Orthotrichum stramineum* Brid.**

Herbarium specimens examined: **A** (OSTR B3498), **Xi** (XJU 26503), **Y** (E 24518), **Z** (HSNU 035182).

***Orthotrichum subpumilum* E. B. Bratram ex Lewinsky**

Recent collections: **A** (OSTR B3516), **Z** (OSTR B3531).

***Orthotrichum urnigerum* Myrin**

Herbarium specimens examined: **Jl** (IFP 7251), **Si** (H 45738), **Xi** (XJU 26358, 26759, 28406, 28666).

***Orthotrichum vermiferum* Lewinsky**

Herbarium specimen examined: **Q** (E 27179a).