

Appendix. Representative specimens examined

Lycopus charkeviczii Prob. 산쪼싸리

KOREA: Gyeonggi-do Anseong-si (Chiljangsan, 2 Sep. 2006, 953, KH; Chiljangsan, 2 Sep. 2006, 954, KH; Misan-ri, 23 Oct. 2007, 074344, KH), Gapyeong-gun (Mt. Eobisan, 22 Jul. 2009, KHUS 1455, KH; Mt. Eobisan, 22 Jul. 2009, KHUS 1456, KH; Mt. Eobisan, 22 Jul. 2009, KHUS 1457, KH; Mt. Eobisan, 22 Jul. 2009, KHUS 1458, KH; Mt. Seorisan, 8 Sep. 2006, ESJeon 61399, KH; Mt. Yumyeongsan, 21 Aug. 2005, KHUS 0627, KH; Mt. Yumyeongsan, 23 Jul. 2009, KHUS 1553, KH), Gimpo-si (Mt. Modamsan, 29 Aug. 2006, 842, KH), Gwangju-si (Mt. Aengjabong, 4 Jul. 2012, JSY 999, KH), Incheon-si (Isl. Yongyu-do, 19 Jul. 2011, ParkSH 112209, KH; Mt. Baegunsan, 28 Oct. 2009, ParkSH 93482, KH; Mt. Baegunsan, 28 Oct. 2009, ParkSH 95447, KH), Paju-si (Mt. Gamaksan, 25 Sep. 2006, 20060835, KH), Pocheon-gun (Gwangneung, 11 Aug. 2000, s. n., KH; Gwangneung, 13 Oct. 1986, 012027, KH; Gwangneung, 13 Oct. 1986, 012035, KH; Gwangneung, 13 Oct. 1986, s. n., KH; Gwangneung, 14 Sep. 1999, KNAH 011785, KH; Gwangneung, 14 Sep. 1999, KNAH 013962, KH; Gwangneung, 9 Aug. 2002, s. n., KH; Jikdong-ri, 20 Oct. 2004, 04100141, KH; Jikdong-ri, 6 Aug. 2007, ESJeon 70233, KH; Mt. Gakhlbong, 24 Sep. 2008, Mt. Gakhlbong 80924-86, KH; Mt. Jukyeopsan, 5 Sep. 2008, Mt. Jukyeopsan 80905-66, KH; Mt. Myeongseongsan, 14 Sep. 2001, Gwang 10088, KH; Mt. Myeongseongsan, 14 Sep. 2001, Gwang 10093, KH; Pyeonghwawon, 15 Oct. 2003, ESJeon 70072, KH; Pyeonghwawon, 15 Oct. 2003, ESJeon 70073, KH; Pyeonghwawon, 15 Oct. 2003, ESJeon 70074, KH; Umhyeon-ri, 24 Oct. 2006, 06100053, KH), Seoul (? , 9 Aug. 1980, 1, KH; ? , 9 Aug. 1980, 2, KH; ? , 9 Aug. 1980, 3, KH; ? , 9 Aug. 1980, 4, KH; ? , 9 Aug. 1980, 5, KH; ? , 9 Aug. 1980, 6, KH; Cheongnyangni, ? Oct. 1984, 012043, KH; Cheongnyangni, ? Oct. 1984, 012045, KH; Pyeonghwa Park, 27 Sep. 2008, ParkSH 82481, KH), Yangpyeong-gun (Mt. Bongmisan, 25 Sep. 2008, Mt. Bongmisan 80925-16, KH; Mt. Bongmisan, 25 Sep. 2008, Mt. Bongmisan 80925-30, KH; Mt. Bongmisan, 8 Jul. 2008, Mt. Bongmisan 80708-73, KH; Mt. Yangjasan, 21 Jul. 2007, KHUS 0550, KH; Seolmaejae, 9 Aug. 2009, ESJeon 90685, KH), **Gangwon-do** Chuncheon-si (Mt. Jukyeopsan, 18 Jul. 2008, Chuncheon-si (Mt. Jukyeopsan)-080718-126, KH; Mt. Maebong, 27 Jul. 2010, Y 100714, KH; Mt. Ungbong, 20 Sep. 2007, Kss 0375, KH; Mt. Ungbong, 20 Sep. 2007, Kss 0391, KH), Donghae-si (Mt. Chorokbong, 31 Aug. 2008, 335, KH), Gangneung-si (Mt. Daegwallyeong, 28 Jul. 2002, L-60580, KH; Mt. Gorupogisan, 29 Aug. 2008, 080829-016, KH; Mt. Mandeokbong, 14 Jul. 2010, ANH-02100176, KH; Mt. Nochusan, 7 Sep. 2007, NAPI-0279, KH; Mt. Sadalsan, 11 Oct. 2007, NAPI-0104, KH; Sapdangnyeong, 15 Aug. 2007, Daegwallyeong-0249, KH), Goseong-gun (Geojin-eup, 31 Jul. 2008, NAPI-0362, KH; Mt. Masan, 20 Sep. 2008, NAPI-0311, KH; Mt. Oeumsan, 20 Aug. 2008, NAPI-0237, KH; Myeongpari beach, 21 Jul. 1999, KNAH 011395, KH), Heongseong-gun (Mt. Balgyosan, 19 Jul. 2011, L 111379, KH; Mt. Balgyosan, 29 Jun. 2002, KHUS 0492, KH; Mt. Cheongtaesan, 15 Oct. 2011, L 111570, KH; Mt. Cheongtaesan, 21 Jul. 2011, HS 110719, KH; Mt. Cheongtaesan, 21 Jul. 2011, L 111112, KH; Mt. Cheongtaesan, 21 Jul. 2011, L 111138, KH; Mt. Cheongtaesan, 26 Aug. 2011, BK 110222, KH; Mt. Cheongtaesan, 3 Oct. 2003, K. Heo & K. T. Yeo 1444, KH; Mt. Taegisan, 20 Jul. 2011, L 111233, KH; Mt. Taegisan, 22 Jul. 2008, Heongseong-gun (Mt. Taegisan)-080722-132, KH; Mt. Taegisan, 25 Aug. 2011, HS 110674, KH), Hongcheon-gun (Bangnae-ri, 22 Jul. 2011, KYC 0888, KH; Mt. Soeppulsan, 11 Sep. 2008, NAPI-0321, KH; Mt. Soeppulsan, 11 Sep. 2008, NAPI-0322, KH; Mt. Soeppulsan, 11 Sep. 2008, NAPI-0323, KH), Hwacheon-gun (Mt. Baegunsan, 5 Sep. 2008, KHUS 1359, KH; Mt. Byeongpungsan, 16 Jul. 2008, NAPI-1671, KH; Mt. Gwangdeoksan, 10 Oct. 2003, k1010-026, KH; Mt. Gwangdeoksan, 19 Jul. 2011, KHUS 20110630, KH; Mt. Gwangdeoksan, 21 Jul. 2004, K0721-016, KH; Mt. Gwangdeoksan, 27 Aug. 2005, KHUS 0156, KH; Mt. Gwangdeoksan, 27 Aug. 2005, KHUS 0157, KH; Mt. Jeokgeunsan, 25 Aug. 2011, HS 111202, KH; Mt. Jukyeopsan, 16 Oct. 2008, J. 90182, KH; Mt. Yonghwasan, 15 Jul. 2008, NAPI-0325, KH; Mt. Yonghwasan, 15 Jul. 2008, NAPI-0326, KH; Mt. Yonghwasan, 21 May 2008, NAPI-0324, KH; Mt. Yonghwasan, 5 Sep. 2008, Mt. Yonghwasan 80905-193, KH), Inje-gun (Mt. Bangtaesan, 2 Sep. 2007, ANH-02070160, KH; Mt. Bangtaesan, 23 Jul. 2008, NAPI-0317, KH; Mt. Bangtaesan, 23 Jul. 2008, NAPI-0318, KH; Mt. Daeamsan, 19 Sep. 2008, NAPI-0315, KH; Mt. Daeamsan, 19 Sep. 2008, NAPI-0316, KH; Mt. Daeamsan, 24 Jul. 2008, NAPI-0314, KH; Mt. Daeamsan, 24 Jul. 2008, NAPI-1672, KH; Mt. Daeamsan, 24 Jul. 2008, NAPI-1673, KH; Mt. Jeombongsan, 30 Aug. 2006, KHUS 0664, KH; Mt. Jeombongsan, 30 Aug. 2006, KHUS 0665, KH; Sogaein-dong, 21 Oct. 2004, ParkSH 43129, KH), Jeongseon-gun (Imgye-myeon, 17 Jul. 2011, 0903064, KH; Mt. Nochusan, 11 Sep. 2007, NAPI-0372, KH), Pyeongchang-gun (Mt. Cheongtaesan, 14 Aug. 2003, K. Heo & K. T. Yeo 1251, KH; Mt. Daemisan, 14 Oct. 2010, J 101665, KH; Mt. Daemisan, 28 Jul. 2010, J 100571, KH; Mt. Geumdangsan, 16 Jul. 2010, ANH-02100186, KH; Mt. Geumdangsan, 18 Jul. 2012, L 120867, KH; Mt. Geumdangsan, 22 Aug. 2012, Y 120019, KH; Mt. Geumdangsan, 22 Aug. 2012, Y 120108, KH; Mt. Geumdangsan, 25 Sep. 2012, L 121452, KH; Mt. Geumdangsan, 25 Sep. 2012, L 121472, KH; Mt. Geumdangsan, 25 Sep. 2012,

N 121023, KH; Mt. Gorupogisan, 29 Aug. 2008, *ANH-02080080*, KH; Mt. Gyebangsan, 15 Aug. 2010, *An-C 1166*, KH; Mt. Gyebangsan, 17 Jul. 2012, *H 122015*, KH; Mt. Gyebangsan, 17 Jul. 2012, *N 120610*, KH; Mt. Gyebangsan, 26 Sep. 2012, *N 120920*, KH; Mt. Neunggyeongbong, 22 Aug. 2006, *20060089*, KH; Mt. Neunggyeongbong, 22 Aug. 2006, *20060091*, KH; Mt. Pakjisan, 16 Jul. 2012, *JJ 120415*, KH), Samcheok-si (Mt. Dootasan, 13 Jul. 2007, *803015*, KH; Mt. Dootasan, 29 Jul. 2007, *902009*, KH), Sokcho-si (Mt. Samhyeongjaebong, 1 Aug. 2008, *NAPI-0319*, KH; Mt. Samhyeongjaebong, 1 Aug. 2008, *NAPI-0320*, KH; Mt. Samhyeongjaebong, 28 Sep. 2008, *Inje-gun (Mt. Samhyeongjaebong)-080928-371*, KH), Taebaek-si (Mt. Geonuiyeong, 24 Aug. 2006, *20060225*, KH; Mt. Geonuiyeong, 24 Aug. 2006, *20060226*, KH; Mt. Geonuiyeong, 24 Aug. 2006, *20060227*, KH), Yanggu-gun (Mt. Bonghwasan, 22 Jul. 2008, *NAPI-0312*, KH; Mt. Bonghwasan, 22 Jul. 2008, *NAPI-0313*, KH), Yangyang-gun (Beopsuchi-ri, 16 Jul. 2008, *Yangyang-gun (Mt. Eungboksan)-080716-082*, KH; Beopsuchi-ri, 16 Jul. 2008, *Yangyang-gun (Mt. Eungboksan)-080716-083*, KH), Yeongwol-gun (Jangneung, 28 Aug. 2008, *ESJeon 80943*, KH; Mt. Jangsan, 13 Oct. 2010, *J 100610*, KH; Mt. Jangsan, 13 Oct. 2010, *J 101452*, KH), **Chungcheongbuk-do** Cheongwon-gun (Mt. Seondusan, 26 Jul. 2005, *Y 018*, KH), Chungju-si (Mt. Cheondeungsan, 5 Aug. 2002, *ANH-02020002*, KH), Jecheon-si (Mt. Baegunsan, 26 Sep. 2005, *O 225*, KH; Mt. Woraksan, 24 Sep. 2001, *KNAH 019927*, KH), Yeongdong-gun (Mt. Cheontaesan, 19 Jun. 2012, *JSY 120498*, KH; Mt. Minjujisan, 31 Jul. 2011, *C. G. Jang 1170*, KH), **Chungcheongnam-do** Cheongyang-gun (Mt. Chilgapsan, 15 Oct. 2005, *058601*, KH), Daejeon (Mt. Sikjangan, 13 Oct. 2005, *P 597*, KH), Geumsan-gun (Mt. Seodaesan, 7 Aug. 1999, *KH 307*, KH), Gongju-si (Mt. Mukbangsan, 24 Sep. 2005, *P 607*, KH), Seosan-si (Mt. Geumgangsan, 29 Jul. 2006, *NGH 60454*, KH), **Jeollabuk-do** Gimje-si (Mt. Moaksan, 29 Aug. 2004, *Gimje-si (Moaksan)-040829-074*, KH), Jangsu-gun (Mt. Jangansan, 23 Sep. 2008, *LHI 1631*, KH; Mt. Palgongsan, 28 Aug. 2008, *LHI 1522*, KH), Jinan-gun (Jeongjudong, 13 Oct. 2005, *LYM & NGH 50233*, KH; Mt. Bugwisan, 1 Sep. 2005, *ParkSH 53086*, KH; Mt. Bugwisan, 2 Sep. 2005, *ParkSH 52955*, KH; Mt. Bukdubong, 12 Sep. 2012, *2012-1226*, KH), Muju-gun (Mt. Baegunsan, 4 Sep. 2010, *LIM 1814*, KH; Mt. Deogyusan, 4 Sep. 2004, *Muju-gun (Deogyusan)-040904-307*, KH; Mt. Deogyusan, 17 Sep. 1998, *410*, KH; Mt. Hyangjeokbong, 27 Sep. 2003, *TUT 18049*, KH; Mt. Hyangjeokbong, 27 Sep. 2003, *TUT 18050*, KH; Mt. Hyangjeokbong, 27 Sep. 2003, *TUT 18061*, KH), Namwon-si (Mt. Jirisan, 27 Aug. 2006, *ESJeon 61259*, KH), **Jeollanam-do** Boseong-gun (Mt. Illimsan, 28 Oct. 2005, *ParkSH 54435*, KH), Gwangju-si (Mt. Mudeungsan, 30 Aug. 1987, *57*, KH), Gwangyang-si (Mt. Baegunsan, 26 Aug. 2004, *Gurye-gun (Mt. Baegunsan)-040826-102*, KH; Mt. Mudeungsan, 26 Aug. 2001, *s. n.*, KH), Jangsu-gun (Mt. Seongsusan, 23 Oct. 2004, *Jangsu-gun (Seongsusan)-041023-249*, KH), Jinan-gun (Mt. Deoktaesan, 3 Jul. 2004, *Jinangun (Duktaesan)-040703-027*, KH), Suncheon-si (Mt. Jogyesan, 17 Oct. 2004, *Suncheonsi (Jogyesan)-041017-001*, KH; Mt. Jogyesan, 2 Sep. 2009, *WR-090902-132*, KH), **Gyeongsangbuk-do** Andong-gun (Mt. Yongdusan, 3 Sep. 2006, *s. n.*, KH), Bonghwa-gun (Mt. Munsusan, 7 Oct. 2010, *C 100981*, KH; Mt. Myeonsan, 15 Aug. 2009, *1103066*, KH), Cheongdo-gun (Mt. Munboksan, 25 Sep. 2009, *NAPI-2009-1031*, KH), Daegu-si (Mt. Palgongsan, 29 Jul. 2001, *s. n.*, KH), Gimcheon-si (Hwajeon-ri, 10 Aug. 2006, *Im 420*, KH), Gunwi-gun (Mt. Palgongsan, 23 Sep. 2006, *Jang 261*, KH), Gyeongju-si (Mt. Danseoksan, 10 Oct. 2006, *s. n.*, KH), Mungyeong-si (Mt. Gongdeoksan, 13 Aug. 2007, *ANH-0207252*, KH; Mt. Hwangjangan, 6 Aug. 2006, *Mungyeong-si (Mt. Hwangjangan)-060806-536*, KH; Mt. Jangseongbong, 10 Sep. 2012, *P 125966*, KH; Mt. Jangseongbong, 4 Jul. 2012, *P 125165*, KH; Saengdal-ri, 28 Jul. 2008, *Baekdudaegan-116*, KH), Seongju-gun (Mt. Dokyongsan, 16 Oct. 2007, *ChoiHJ 70305*, KH; Mt. Gayasan, 27 Aug. 2003, *TUT 17188*, KH; Mt. Gayasan, 27 Aug. 2003, *TUT 17189*, KH; Mt. Gayasan, 28 Aug. 2003, *TUT 17967*, KH), Uljin-gun (Mt. Tonggosan, 29 Aug. 2006, *Jeong 450*, KH), Yecheon-gun (Mt. Hakgasan, 10 Aug. 2006, *Yecheon-gun (Mt. Hakgasan)-060810-098*, KH; Mt. Hakgasan, 29 Aug. 2003, *0310842*, KH), Yeongcheon-si (Mt. Bohyeonsan, 15 Sep. 2012, *Yeongcheon-si (Mt. Bohyeonsan)-120915-002*, KH; Mt. Hwasan, 30 Aug. 2006, *Yoon 445*, KH), Yeongju-si (Mt. Sobaeksan, 17 Aug. 2001, *s. n.*, KH; Mt. Yeonhwabong, 24 Aug. 2011, *C. G. Jang 1237*, KH), Yeongyang-gun (Mt. Irwolsan, 12 Sep. 2009, *SGU 1345*, KH; Mt. Irwolsan, 12 Sep. 2009, *SGU 1346*, KH), **Gyeongsangnam-do** Changnyeong-gun (Mt. Hwawang-san, 22 Sep. 2011, *H 110274*, KH), Hapcheon-gun (Mt. Gayasan, 27 Aug. 2003, *Park-00278*, KH; Mt. Gayasan, 27 Aug. 2003, *Park-00293*, KH; Mt. Gayasan, 27 Aug. 2003, *Park-00396*, KH; Mt. Hwangmaesan, 24 Aug. 2009, *Hapcheon-gun (Mt. Hwangmaesan)-090824-089*, KH; Mt. Hwangmaesan, 7 Sep. 2012, *HNHM-2012-0377*, KH; Mt. Hwangmaesan, 7 Sep. 2012, *S. H. Kang 120178*, KH), Milyang-si (Mt. Cheonhwangsan, 7 Sep. 2009, *HNHM-2009-0391*, KH), Sancheong-gun (Mt. Ungseokbong, 25 Jul. 2012, *JSY 1156*, KH), Ulju-gun (Mt. Jeongjoksan, 17 Aug. 2006, *ParkSH 61370*, KH), Yangsan-si (Mt. Cheonseongsan, 21 Aug. 2008, *ParkSH 81188*, KH; Mt. Jeongjoksan, 15 Sep. 2009, *Yangsan-si (Mt. Jeongjoksan)-090915-058*, KH).

RUSSIA: Primorskiy (Kedrovaya Pad Nature Reserve, 29 Sep. 1977, *V. Makarov 1*, MHA).