

## Electronic Appendix 6:

AFLP genetic distances between particular species of *Cirsium*. The distance was calculated with the UPGMA algorithm from individual distances between particular samples of compared species.

AFLP	aca	arv	bra	can	car	erio	eris	het	mon	ole	pal	pan	riv	vul
aca														
arv	0,7677													
bra	0,7873	0,7788												
can	0,7562	0,7810	0,7876											
car	0,7278	0,7782	0,7796	0,7602										
erio	0,8736	0,8771	0,8685	0,8537	0,8614									
eris	0,7195	0,7773	0,7873	0,7296	0,7107	0,8448								
het	0,7255	0,7808	0,7927	0,7485	0,7001	0,8641	0,6773							
mon	0,7317	0,7861	0,7915	0,7480	0,6986	0,8629	0,7057	0,7075						
ole	0,7281	0,7864	0,7983	0,7416	0,7177	0,8693	0,6939	0,7188	0,7003					
pal	0,7647	0,8007	0,7975	0,7728	0,7273	0,8622	0,7329	0,7407	0,7645	0,7509				
pan	0,6780	0,7671	0,7743	0,7640	0,7196	0,8784	0,7168	0,7323	0,7246	0,7342	0,7530			
riv	0,7045	0,7840	0,7933	0,7634	0,6996	0,8596	0,6993	0,7200	0,7135	0,7009	0,7346	0,7124		
vul	0,8039	0,8103	0,8098	0,7940	0,7739	0,8075	0,7857	0,8013	0,7907	0,7966	0,7935	0,8048	0,7974	

aca = *Cirsium acaule*; arv = *C. arvense*; bra = *C. brachycephalum*; can = *C. canum*; car = *C. carniolicum*; erio = *C. eriophorum*; eris = *C. erisithales*; het = *C. heterophyllum*; mon = *C. montanum*; ole = *C. oleraceum*; pal = *C. palustre*; pan = *C. pannonicum*; riv = *C. rivulare*; vul = *C. vulgare*

### Locations of sampled individuals:

- aca1.** (*Cirsium acaule*): Czech Republic, distr. Uherské Hradiště, dry grassland 0.3 km WNW of the church in the village of Březová, 500 m a.s., 48;55;40N+17;43;51E, coll. K. Fajmon & P. Bureš 20/Sep/2004.
- aca2.** (*Cirsium acaule*): Czech Republic, distr. Chrudim, marl slope 0.7 km SW of the church in the village of Střemošice, 360 m a.s.l., 49;53;11N+16;04;00E, coll. K. Fajmon & P. Bureš 26/Sep/2004.
- aca3.** (*Cirsium acaule*): Czech Republic, distr. Svitavy, marl slope 0.2 NE of the chapel in the village of Široký Důl, 530 m a.s.l., 49;44;51N+16;13;14E, coll. K. Fajmon & P. Bureš, 26/Sep/2004.
- arv1.** (*Cirsium arvense*): Czech Republic: distr. Brno, Garden of Medicinal Plants of the Faculty of Medicine Masaryk University at Kraví hora Hill in the city of Brno, 280 m a.s.l, 49;12;02N+16;35;07E, coll. K. Fajmon & P. Bureš 27/Sep/2004.
- arv2.** (*Cirsium arvense*): Czech Republic, distr Brno, field margin 0.2 km SSE of the church in the city-part Starý Lískovec, 225 m a.s.l. 49;09;48N+16;34;09E, coll. K. Fajmon & P. Bureš 28/Sep/2004.

- arv3.** (*Cirsium arvense*): Czech Republic, distr. Vyškov, field margin NNE of the church in the village of Orlovice, 360 m a.s.l., 49;14;18N+17;05;25E, coll. K. Fajmon & P. Bureš 28/Sep/2004.
- bra1.–bra3.** (*Cirsium brachycephalum*): Slovakia, distr. Bratislava, saline meadows in Nature Reserve Svätajurský Šúr at the village of Čierna Voda, 129 m a.s.l., 48;13;40.6N+17;14;8.1E, coll. P. Bureš 20/Jun/2008.
- can1.** (*Cirsium canum*): Czech Republic, distr. Brno, wet meadow along the broke Říčka 1.9 km NE of the church in the city-part of Líšeň, 270 m a.s.l. 49;12;52N+16;43;05, coll. K. Fajmon & P. Bureš 23/Sep/2004.
- can2.** (*Cirsium canum*): Czech Republic, distr. Blansko, wet shores of the pond Olšovec 1.4 km SSE of the church in the village of Jedovnice, 470 m a.s.l. 49;20;02N+16;45;46E, coll. K. Fajmon & P. Bureš 23/Sep/2004.
- can3.** (*Cirsium canum*): Czech Republic, distr. Chrudim, village of Louka: side ditch along the road to the village of Dřeveš 390 m a.s.l., 49;50;40N+15;55;27E, coll. K. Fajmon & P. Bureš 26/Sep/2004.
- car1.–car3.** (*Cirsium carniolicum*): Austria, Ennstaler Alpen Mts., along the path from Johnsbach up to Hesshütte in Gesäuse between Untere Koderalm and Stadlalm, 1556 m a.s.l., 47;33;00.0N+14;38;38.0E, coll. P. Bureš 12/Jul/2009.
- erio1.** (*Cirsium eriophorum*): Czech Republic, distr. Uherské Hradiště, meadow 3 km SW of the church in the village of Suchá Loz, 330 m a.s.l., 48;57;11N+17;40;51E, coll. K. Fajmon & P. Bureš 20/Sep/2004.
- erio 2.** (*Cirsium eriophorum*): Czech Republic, distr. Blansko, grassland 1 km NNW of the church in the village of Vilémovice, 430 m a.s.l. 49;22;09N+16;44;30E, coll. K. Fajmon & P. Bureš 23/Sep/2004.
- erio 3.** (*Cirsium eriophorum*): Czech Republic, distr. Uherské Hradiště, meadow 1.3 km NNE of the church in the village of Strání, 470 m a.s.l., 48;54;53N+17;42;28E, coll. K. Fajmon & P. Bureš 28/Sep/2004.
- eris1.–eris3.** (*Cirsium erisithales*): Austria, Schneeberg Mts., pasture along the road SW of the village of Schneebergdörfl, 872 m a.s.l., 47;46;03.8N+15;51;18.4E, coll. P. Bureš & J. Bureš 20/Sep/2003.
- het1.** (*Cirsium heterophyllum*): Czech Republic, distr. Žďár nad Sázavou, side ditch along the road between the villages of Herálec and Kocanda, 645 m a.s.l., 49;40;52N+15;59;23E, coll. K. Fajmon & P. Bureš 21/Sep/2004.
- het2.** (*Cirsium heterophyllum*): Czech Republic, distr. Chrudim, wet meadow in Southern shore of the lake of Hamerská nádrž, 600 m a.s.l. 49;43;35N+15;55;30, coll. P. Bureš 21/Sep/2004.
- het3.** (*Cirsium heterophyllum*): Czech Republic, distr. Žďár nad Sázavou, side ditch along the road 3.5 km SE of the church in the village of Vojnův Městec, 645 m a.s.l., 49;39;22N+15;54;14E, coll. K. Fajmon & P. Bureš 21/Sep/2004.
- mon1.–mon3.** (*Cirsium montanum*): Italy, Adamello Mts. along the road between the village of Mezzana and the camp of Marileva 1400, 1457 m a.s.l., 46;18;00.2N+10;48;49.4E, coll. P. Bureš /Jul/2004.
- ole1.** (*Cirsium oleraceum*): Czech Republic, distr. Brno, wet meadow along the broke Říčka 1.9 km NE of the church in the city-part of Líšeň, 270 m a.s.l. 49;12;52N+16;43;05, coll. K. Fajmon & P. Bureš 23/Sep/2004.
- ole2.** (*Cirsium oleraceum*): Czech Republic, distr. Blansko, wet shores of the pond Olšovec 1.4 km SSE of the church in the village of Jedovnice, 470 m a.s.l. 49;20;02N+16;45;46E, coll. K. Fajmon & P. Bureš 23/Sep/2004.

- ole3.** (*Cirsium oleraceum*): Czech Republic, distr. Chrudim, side ditch along the road between the villages of Louka and Dřeveš 390 m a.s.l., 49;50;40N+15;55;27E, coll. K. Fajmon & P. Bureš 26/Sep/2004.
- pal 1.** (*Cirsium palustre*): Czech Republic, distr. Chrudim, wet meadow 1 km S of the chapel in the village of Hamry, 600 m a.s.l., 49;43;49N+15;55;48E, coll. K. Fajmon & P. Bureš 21/Sep/2004.
- pal 2.** (*Cirsium palustre*): Czech Republic, distr. Chrudim, wet meadow 0.5 km W of the chapel in the village of Zalíbené, 615 m a.s.l., 49;43;06N+15;53;46E, coll. K. Fajmon & P. Bureš 21/Sep/2004.
- pal 3.** (*Cirsium palustre*): Czech Republic, distr. Chrudim, wet meadow at the pond of Návesník 0.4 km W of the church in the village of 620 m a.s.l., Vortová, 49;42;46N+15;55;41E, coll. K. Fajmon & P. Bureš 21/Sep/2004.
- pan1.** (*Cirsium pannonicum*): Czech Republic, distr. Hodonín, dry slope above railway station at the village of Velká nad Veličkou, 340 m a.s.l., 48;52;43N+17;30;36E, coll. K. Fajmon & P. Bureš 20/Sep/2004.
- pan2.** (*Cirsium pannonicum*): Czech Republic, distr. Hodonín, dry grassland 0.7 km N of the church in the village of Javorník nad Veličkou, 340 m a.s.l., 48;51;59N+17;32;04E, coll. K. Fajmon & P. Bureš 20/Sep/2004.
- pan3.** (*Cirsium pannonicum*): Czech Republic, distr. Břeclav, dry slopes 1.3 km NNE of the church in the village of Kurdějov, 290 m a.s.l., 48;58;03N+16;46;16E, coll. K. Fajmon & P. Bureš 20/Sep/2004.
- riv1.** (*Cirsium rivulare*): Czech Republic, distr. Brno, wet meadow along the brook Říčka 1.9 km NE of the church in the city-part of Líšeň, 270 m a.s.l. 49;12;52N+16;43;05, coll. K. Fajmon & P. Bureš 23/Sep/2004.
- riv2.** (*Cirsium rivulare*): Czech Republic, distr. Blansko, wet shores of the pond Olšovec 1.4 km SSE of the church in the village of Jedovnice, 470 m a.s.l. 49;20;02N+16;45;46E, coll. K. Fajmon & P. Bureš 23/Sep/2004.
- riv3.** (*Cirsium rivulare*): Czech Republic, distr. Chrudim, wet meadow along the brook 0.7 km NWW of the church in the village of Čachnov, 630 m a.s.l., 49;44;45N+16;03;34E, coll. K. Fajmon & P. Bureš 26/Sep/2004.
- vul1.** (*Cirsium vulgare*): Czech Republic, distr. Brno, field margin 0.2 km SSE of the church in the city-part Starý Lískovec, 225 m a.s.l. 49;09;48N+16;34;09E, coll. K. Fajmon & P. Bureš 28/Sep/2004.
- vul2.** (*Cirsium vulgare*): Czech Republic, distr. Brno, at the crossing of streets Vinohrady and Kejbaly, 0.2 km N of prison, 310 m a.s.l., 49;10;41N+16;34;43E, coll. K. Fajmon & P. Bureš 28/Sep/2004.
- vul3.** (*Cirsium vulgare*): Czech Republic, distr. Uherské Hradiště, pasture in nature reserve Drahy, 1.5 km SE of the church in the village of Horní Němčí, 430 m a.s.l., 48;55;18N +17;38;21E, coll. K. Fajmon & P. Bureš 28/Sep/2004.