

Supplementary Table S1. Collection locality and GenBank accession numbers for all specimens used in this study.

Sample ID	Species	GenBank accession	Country	Locality	Collection date	GPS coordinates
DE_H30_01	<i>D. eglanteriae</i>	MK977672	Georgia	Chartali	13.vii.2018	42.26, 44.68
DE_H30_02	<i>D. eglanteriae</i>	MK977673	Georgia	Chartali	13.vii.2018	42.26, 44.68
DM-C1	<i>D. mayri</i>	MK977655	Romania	Badesti	12.iv.2016	46.98, 23.63
DM-C2	<i>D. mayri</i>	MK977656	Romania	Chidea	7.iv.2016	46.96, 23.59
DM-C3	<i>D. mayri</i>	MK977658	Romania	Badesti	13.iv.2016	46.98, 23.63
DM-C4	<i>D. mayri</i>	MK977657	Romania	Feurdeni	21.iii.2016	46.9, 23.63
DM-R1	<i>D. mayri</i>	MK977659	Romania	Luna de Jos	1.iv.2016	46.93, 23.72
DM-R2	<i>D. mayri</i>	MK977660	Romania	Luna de Jos	1.iv.2016	46.92, 23.74
DN_BG	<i>D. nervosa</i>	MK977675	Romania	Cluj-Napoca	31.viii.2018	46.76, 23.59
DN_PE1_B815	<i>D. nervosa</i>	MK977674	Romania	Chidea	1.viii.2018	46.96, 23.59
DN_P11M_BU003_G176	<i>D. nervosa</i>	MK977676	Romania	Cluj-Napoca	1.viii.2018	46.81, 23.65
DR_P11_B069_G167	<i>D. rosae</i>	MK977677	Romania	Cluj-Napoca	1.viii.2018	46.81, 23.65
DR-C1	<i>D. rosae</i>	MK977661	Romania	Borsa-Catun	7.iv.2016	46.89, 23.71
DR-C5	<i>D. rosae</i>	MK977662	Romania	Feurdeni	21.iii.2016	46.9, 23.63
DR-C6	<i>D. rosae</i>	MK977663	Romania	Borsa-Catun	7.iv.2016	46.89, 23.7
DR-R1	<i>D. rosae</i>	MK977664	Romania	Feurdeni	21.iii.2016	46.9, 23.63
DR-R4	<i>D. rosae</i>	MK977667	Romania	Chidea	7.iv.2016	46.96, 23.59
DR-R6	<i>D. rosae</i>	MK977665	Romania	Badesti	13.iv.2016	46.98, 23.63
DS_H33	<i>D. spinosissimae</i>	MK977671	Georgia	Shorapani	13.vii.2018	42.09, 43.09
DS_PE4_B147_G183	<i>D. spinosissimae</i>	MK977678	Romania	Cluj-Napoca	1.viii.2018	46.84, 23.62
DS_PE4_B147_G184	<i>D. spinosissimae</i>	MK977679	Romania	Cluj-Napoca	1.viii.2018	46.84, 23.62
Dsp1_H022	<i>D. species 1</i>	MK977666	Russia	Kozul'ka	5.vii.2018	56.18, 91.48
Dsp2_01_H23	<i>D. species 2</i>	MK977668	Kazakhstan	Tavolzhnan	6.vii.2018	52.71, 77.43
Dsp2_02_H23	<i>D. species 2</i>	MK977669	Kazakhstan	Tavolzhnan	6.vii.2018	52.71, 77.43
Dsp2_03_H23	<i>D. species 2</i>	MK977670	Kazakhstan	Tavolzhnan	6.vii.2018	52.71, 77.43
PERNA007-09	<i>P. arefactus</i>	HQ968038	USA	Yolo County	25.iv.1967	38.49, -122.01

PERNA008-09	<i>P. arefactus</i>	HQ968039	USA	Yolo County	25.iv.1967	38.49, -122.01
PERNA012-09	<i>P. species 1</i>	HQ968040	Canada	Allumette Island	4.v.1977	45.87, -77.17
PERNA013-09	<i>P. species 1</i>	HQ968041	Canada	Arnprior	2.v.1977	45.44, -76.36
PERNA014-09	<i>P. species 1</i>	HQ968042	Canada	Arnprior	2.v.1977	45.44, -76.36
PERNA016-09	<i>P. species 1</i>	HQ968043	Canada	Manitoulin Island	10.v.1979	45.95, -81.95
PERNA022-09	<i>P. piceus</i>	MK813814	USA	Solano County	1.iii.1972	38.31, -121.9
PERNA028-09	<i>P. pirata</i>	MK813821	Canada	Manitoulin Island	7.v.1976	45.9, -82.23
PERNA035-09	<i>P. piceus</i>	MK813761	Canada	Banff	5.x.1981	51.18, -115.57
PERNA041-09	<i>P. species 1</i>	HQ968044	Canada	Coaldale	11.v.2002	49.87, -112.45
PERNA045-09	<i>P. piceus</i>	HQ968045	Canada	Coaldale	11.v.2003	49.87, -112.45
PERNA046-09	<i>P. piceus</i>	HQ968046	Canada	Coaldale	11.v.2003	49.87, -112.45
PERNA047-09	<i>P. species 1</i>	HQ968047	Canada	Coaldale	11.v.2003	49.87, -112.45
PERNA048-09	<i>P. species 1</i>	HQ968048	Canada	Coaldale	11.v.2003	49.87, -112.45
PERNA049-09	<i>P. piceus</i>	HQ968049	Canada	Thunder Bay	4.v.2005	48.38, -89.25
PERNA050-09	<i>P. piceus</i>	HQ968050	Canada	Thunder Bay	4.v.2005	48.38, -89.25
PERNA051-09	<i>P. piceus</i>	HQ968051	Canada	Thunder Bay	4.v.2005	48.38, -89.25
PERNA052-09	<i>P. piceus</i>	HQ968052	Canada	Thunder Bay	4.v.2005	48.38, -89.25
PERNA053-09	<i>P. piceus</i>	HQ968053	Canada	Fort Albany	27.v.2005	52.25, -81.5
PERNA054-09	<i>P. piceus</i>	HQ968054	Canada	Fort Albany	27.v.2005	52.25, -81.5
PERNA055-09	<i>P. piceus</i>	HQ968055	Canada	Fort Albany	27.v.2005	52.25, -81.5
PERNA056-09	<i>P. piceus</i>	HQ968056	Canada	Fort Albany	27.v.2005	52.25, -81.5
PERNA057-09	<i>P. species 2</i>	HQ968057	Canada	Douglas P.P.	26.ix.1999	51.05, -106.46
PERNA058-09	<i>P. species 2</i>	HQ968058	Canada	Douglas P.P.	26.ix.1999	51.05, -106.46
PERNA059-09	<i>P. species 2</i>	HQ968059	Canada	Saskatoon	29.ix.1999	51.49, -106.41
PERNA060-09	<i>P. species 2</i>	HQ968060	Canada	Saskatoon	29.ix.1999	51.49, -106.41
PERNA061-09	<i>P. species 2</i>	HQ968061	Canada	Saskatoon	29.ix.1999	51.49, -106.41
PERNA062-09	<i>P. species 2</i>	HQ968062	Canada	Douglas P.P.	30.ix.1999	51.05, -106.46
PERNA063-09	<i>P. species 2</i>	HQ968063	Canada	Douglas P.P.	30.ix.1999	51.05, -106.46
PERNA064-09	<i>P. species 2</i>	HQ968064	Canada	Douglas P.P.	30.ix.1999	51.05, -106.46
PERNA072-09	<i>P. species 1</i>	HQ968065	Canada	Coaldale	10.v.2007	49.87, -112.45

PERNA075-09	<i>P. species 1</i>	HQ968066	Canada	Coaldale	24.x.2002	49.87, -112.45
PERNA077-09	<i>P. species 1</i>	HQ968067	Canada	Manitoulin Island	28.x.2004	45.66, -82.26
PERNA082-09	<i>P. species 1</i>	HQ968068	Canada	Timmins	2.v.2002	48.48, -81.33
PERNA089-09	<i>P. piceus</i>	MK813762	Canada	Winfield	17.x.1999	50.04, -119.34
PERNA090-09	<i>P. piceus</i>	JN307250	Canada	Winfield	17.x.1999	50.04, -119.34
PERNA093-09	<i>P. piceus</i>	HQ968069	Canada	Timmins	11.viii.2001	48.48, -81.33
PERNA094-09	<i>P. piceus</i>	HQ968070	Canada	Timmins	11.viii.2001	48.48, -81.33
PERNA096-09	<i>P. species 1</i>	GU695012	Canada	Renfrew	28.iv.2001	45.47, -76.69
PERNA100-09	<i>P. species 1</i>	GU695010	Canada	Renfrew	22.iv.2003	45.47, -76.69
PERNA101-09	<i>P. species 1</i>	GU695011	Canada	Renfrew	22.iv.2003	45.47, -76.69
PERNA102-09	<i>P. species 1</i>	GU695008	Canada	Renfrew	22.iv.2003	45.47, -76.69
PERNA103-09	<i>P. species 2</i>	GU695009	Canada	Renfrew	22.iv.2003	45.47, -76.69
PERNA104-09	<i>P. species 2</i>	GU695006	Canada	Saskatoon	29.ix.1999	51.49, -106.41
PERNA105-09	<i>P. species 2</i>	GU695007	Canada	Saskatoon	29.ix.1999	51.49, -106.41
PERNA106-09	<i>P. species 2</i>	GU695004	Canada	Saskatoon	29.ix.1999	51.49, -106.41
PERNA107-09	<i>P. species 2</i>	GU695005	Canada	Saskatoon	29.ix.1999	51.49, -106.41
PERNA108-09	<i>P. species 2</i>	GU695002	Canada	Douglas P.P.	30.ix.1999	51.05, -106.46
PERNA109-09	<i>P. species 2</i>	GU695003	Canada	Douglas P.P.	30.ix.1999	51.05, -106.46
PERNA110-09	<i>P. species 2</i>	GU695000	Canada	Douglas P.P.	30.ix.1999	51.05, -106.46
PERNA111-09	<i>P. species 2</i>	GU695001	Canada	Douglas P.P.	30.ix.1999	51.05, -106.46
PERNA115-09	<i>P. species 1</i>	GU694998	Canada	Coaldale	12.v.2003	49.87, -112.45
PERNA116-09	<i>P. species 1</i>	GU694995	Canada	Coaldale	10.v.2007	49.87, -112.45
PERNA117-09	<i>P. species 1</i>	GU694996	Canada	Coaldale	10.v.2007	49.87, -112.45
PERNA120-09	<i>P. species 1</i>	GU694992	Canada	Coaldale	24.x.2002	49.87, -112.45
PERNA124-09	<i>P. species 1</i>	GU694990	Canada	Manitoulin Island	28.x.2004	45.66, -82.26
PERNA125-09	<i>P. species 1</i>	GU694991	Canada	Manitoulin Island	28.x.2004	45.66, -82.26
PERNA129-09	<i>P. pirata</i>	GU694988	Canada	Timmins	2.v.2002	48.48, -81.33
PERNA131-09	<i>P. pirata</i>	GU694986	Canada	Timmins	2.v.2002	48.48, -81.33
PERNA133-09	<i>P. pirata</i>	GU694987	Canada	Lethbridge	9.v.2002	49.58, -112.83
PERNA136-09	<i>P. species 1</i>	GU694984	Canada	Cochrane	3.v.2002	49.06, -81.03

PERNA138-09	<i>P. species 1</i>	GU694985	Canada	Cochrane	3.v.2002	49.06, -81.03
PERNA139-09	<i>P. species 1</i>	GU694982	Canada	Cochrane	3.v.2002	49.06, -81.03
PERNA142-09	<i>P. species 1</i>	GU694983	Canada	Cochrane	3.v.2002	49.06, -81.03
PERNA145-09	<i>P. species 1</i>	GU694980	Canada	Red Lake	18.v.2002	51.02, -93.82
PERNA146-09	<i>P. species 1</i>	GU694981	Canada	Red Lake	18.v.2002	51.02, -93.82
PERNA147-09	<i>P. species 1</i>	GU694978	Canada	Red Lake	18.v.2002	51.02, -93.82
PERNA150-09	<i>P. species 1</i>	GU694979	Canada	Dryden	19.v.2002	49.78, -92.84
PERNA151-09	<i>P. species 1</i>	GU694976	Canada	Dryden	19.v.2002	49.78, -92.84
PERNA152-09	<i>P. pirata</i>	GU694977	Canada	Waterton Lakes N.P.	9.v.2007	49.08, -113.9
PERNA153-09	<i>P. pirata</i>	GU694974	Canada	Waterton Lakes N.P.	9.v.2007	49.08, -113.9
PERNA154-09	<i>P. pirata</i>	GU694975	Canada	Waterton Lakes N.P.	10.v.2007	49.08, -113.9
PERNA155-09	<i>P. pirata</i>	GU694972	Canada	Waterton Lakes N.P.	10.v.2007	49.08, -113.9
PERNA156-09	<i>P. pirata</i>	GU694973	Canada	Waterton Lakes N.P.	10.v.2007	49.08, -113.9
PERNA157-09	<i>P. pirata</i>	GU694970	Canada	Waterton Lakes N.P.	17.ix.2007	49.08, -113.9
PERNA158-09	<i>P. pirata</i>	GU694971	Canada	Waterton Lakes N.P.	17.ix.2007	49.08, -113.9
PERNA159-09	<i>P. pirata</i>	GU694968	Canada	Waterton Lakes N.P.	17.ix.2007	49.08, -113.9
PERNA160-09	<i>P. species 1</i>	GU694969	Canada	Peachland	12.ii.2008	49.79, -119.7
PERNA161-09	<i>P. species 1</i>	GU694966	Canada	Peachland	12.ii.2008	49.79, -119.7
PERNA162-09	<i>P. species 1</i>	GU694967	Canada	Peachland	12.ii.2008	49.79, -119.7
PERNA163-09	<i>P. species 1</i>	GU694964	Canada	Peachland	12.ii.2008	49.79, -119.7
PERNA164-09	<i>P. species 1</i>	GU694965	Canada	Peachland	12.ii.2008	49.79, -119.7
PERNA165-09	<i>P. species 1</i>	GU694962	Canada	Peachland	12.ii.2008	49.79, -119.7
PERNA166-09	<i>P. species 1</i>	GU694963	Canada	Peachland	12.ii.2008	49.79, -119.7
PERNA167-09	<i>P. species 1</i>	GU694960	Canada	Peachland	12.ii.2008	49.79, -119.7
PERNA168-09	<i>P. species 1</i>	GU694961	Canada	Coaldale	11.v.2003	49.87, -112.45
PERNA169-09	<i>P. species 1</i>	GU694958	Canada	Coaldale	11.v.2003	49.87, -112.45
PERNA173-09	<i>P. species 1</i>	GU694956	Canada	Fort Albany	27.v.2005	52.25, -81.5
PERNA174-09	<i>P. species 1</i>	GU694957	Canada	Fort Albany	27.v.2005	52.25, -81.5
PERNA175-09	<i>P. species 1</i>	GU694954	Canada	Fort Albany	27.v.2005	52.25, -81.5
PERNA176-09	<i>P. species 1</i>	GU694955	Canada	Winfield	17.x.1999	50.04, -119.34

PERNA177-09	<i>P. species 1</i>	GU694952	Canada	Winfield	17.x.1999	50.04, -119.34
PERNA178-09	<i>P. species 1</i>	GU694953	Canada	Timmins	11.viii.2001	48.48, -81.33
PERNA180-09	<i>P. species 1</i>	GU694950	Canada	Timmins	11.viii.2001	48.48, -81.33
PERNA181-09	<i>P. species 1</i>	GU694951	Canada	Timmins	11.viii.2001	48.48, -81.33
PERNA182-09	<i>P. species 1</i>	GU694948	Canada	Liebenthal	22.ix.1999	50.66, -109.54
PERNA185-09	<i>P. species 2</i>	GU694949	Canada	Saskatoon	29.ix.1999	51.49, -106.41
PERNA187-09	<i>P. species 2</i>	GU694947	Canada	Saskatoon	29.ix.1999	51.49, -106.41
PERNA188-09	<i>P. species 1</i>	GU694945	Canada	Douglas P.P.	30.ix.1999	51.05, -106.46
PERNA189-09	<i>P. species 2</i>	GU694946	Canada	Douglas P.P.	30.ix.1999	51.05, -106.46
PERNA190-09	<i>P. species 2</i>	GU694944	Canada	Douglas P.P.	30.ix.1999	51.05, -106.46
PERNA191-09	<i>P. piceus</i>	GU695151	Canada	Coaldale	11.v.2003	49.87, -112.45
PERNA192-09	<i>P. piceus</i>	GU695153	Canada	Thunder Bay	4.v.2005	48.38, -89.25
PERNA195-09	<i>P. piceus</i>	GU695155	Canada	Thunder Bay	4.v.2005	48.38, -89.25
PERNA196-09	<i>P. piceus</i>	GU695150	Canada	Thunder Bay	4.v.2005	48.38, -89.25
PERNA197-09	<i>P. piceus</i>	GU695148	Canada	Fort Albany	27.v.2005	52.25, -81.5
PERNA198-09	<i>P. piceus</i>	GU695149	Canada	Fort Albany	27.v.2005	52.25, -81.5
PERNA200-09	<i>P. piceus</i>	GU695154	Canada	Fort Albany	27.v.2005	52.25, -81.5
PERNA201-09	<i>P. piceus</i>	GU695152	Canada	Fort Albany	27.v.2005	52.25, -81.5
PERNA218-09	<i>P. species 1</i>	GU695156	Canada	Coaldale	12.v.2003	49.87, -112.45
PERNA222-09	<i>P. species 1</i>	GU695159	Canada	Coaldale	10.v.2007	49.87, -112.45
PERNA223-09	<i>P. species 1</i>	GU695160	Canada	Manitoulin Island	28.x.2004	45.66, -82.26
PERNA226-09	<i>P. species 1</i>	GU695161	Canada	Manitoulin Island	28.x.2004	45.66, -82.26
PERNA227-09	<i>P. pirata</i>	GU695141	Canada	Timmins	2.v.2002	48.48, -81.33
PERNA229-09	<i>P. pirata</i>	GU695137	Canada	Timmins	2.v.2002	48.48, -81.33
PERNA230-09	<i>P. pirata</i>	GU695140	Canada	Timmins	2.v.2002	48.48, -81.33
PERNA233-09	<i>P. pirata</i>	MK813833	Canada	Timmins	2.v.2002	48.48, -81.33
PERNA235-09	<i>P. pirata</i>	GU695139	Canada	Timmins	2.v.2002	48.48, -81.33
PERNA237-09	<i>P. pirata</i>	GU695134	Canada	Timmins	2.v.2002	48.48, -81.33
PERNA247-09	<i>P. pirata</i>	GU695143	Canada	Lethbridge	9.v.2002	49.58, -112.83
PERNA257-09	<i>P. species 1</i>	GU695168	Canada	Cochrane	3.v.2002	49.06, -81.03

PERNA259-09	<i>P. species 1</i>	GU695166	Canada	Cochrane	3.v.2002	49.06, -81.03
PERNA260-09	<i>P. species 1</i>	GU695164	Canada	Cochrane	3.v.2002	49.06, -81.03
PERNA262-09	<i>P. species 1</i>	GU695167	Canada	Cochrane	3.v.2002	49.06, -81.03
PERNA264-09	<i>P. pirata</i>	GU695145	Canada	Waterton Lakes N.P.	17.ix.2007	49.08, -113.9
PERNA265-09	<i>P. pirata</i>	GU695147	Canada	Waterton Lakes N.P.	17.ix.2007	49.08, -113.9
PERNA266-09	<i>P. pirata</i>	GU695144	Canada	Waterton Lakes N.P.	17.ix.2007	49.08, -113.9
PERNA267-09	<i>P. pirata</i>	MK813835	Canada	Waterton Lakes N.P.	17.ix.2007	49.08, -113.9
PERNA268-09	<i>P. species 1</i>	GU695162	Canada	Peachland	12.ii.2008	49.79, -119.7
PERNA269-09	<i>P. species 1</i>	GU695163	Canada	Peachland	12.ii.2008	49.79, -119.7
PERNA270-09	<i>P. species 1</i>	GU695165	Canada	Peachland	12.ii.2008	49.79, -119.7
PERNA273-09	<i>P. pirata</i>	GU695138	Canada	Timmins	2.v.2002	48.48, -81.33
PERNA274-09	<i>P. pirata</i>	GU695135	Canada	Timmins	2.v.2002	48.48, -81.33
PERNA278-09	<i>P. pirata</i>	GU695142	Canada	Renfrew	23.iv.2009	45.47, -76.69
PERNA283-09	<i>P. species 1</i>	GU695157	Canada	Coaldale	24.x.2002	49.87, -112.45
PERNA285-09	<i>P. species 1</i>	GU695158	Canada	Coaldale	24.x.2002	49.87, -112.45
PIPI039-09	<i>P. species 1</i>	MK813783	Canada	Sudbury	1.ix.2008	46.47, -81
PIPI160-09	<i>P. species 1</i>	MK813784	Canada	Sudbury	1.ix.2008	46.47, -81
PIPI162-09	<i>P. species 1</i>	MK813785	Canada	Sudbury	1.ix.2008	46.47, -81
PIPI163-09	<i>P. species 1</i>	MK813786	Canada	Sudbury	1.ix.2008	46.47, -81
PIPI164-09	<i>P. species 1</i>	MK813787	Canada	Sudbury	1.ix.2008	46.47, -81
PIPI165-09	<i>P. species 1</i>	MK813788	Canada	Sudbury	1.ix.2008	46.47, -81
PIPI166-09	<i>P. species 1</i>	MK813789	Canada	Sudbury	1.ix.2008	46.47, -81
PIPI168-09	<i>P. species 1</i>	MK813790	Canada	Sudbury	1.ix.2008	46.47, -81
PIPI170-09	<i>P. species 1</i>	MK813791	Canada	Sudbury	1.ix.2008	46.47, -81
PIPI171-09	<i>P. species 1</i>	MK813792	Canada	Sudbury	1.ix.2008	46.47, -81
PIPI172-09	<i>P. species 1</i>	MK813793	Canada	Sudbury	1.ix.2008	46.47, -81
PIPI173-09	<i>P. species 1</i>	MK813794	Canada	Sudbury	1.ix.2008	46.47, -81
PIPI174-09	<i>P. species 1</i>	MK813795	Canada	Sudbury	1.ix.2008	46.47, -81
PIPI175-09	<i>P. species 1</i>	MK813796	Canada	Sudbury	1.ix.2008	46.47, -81
PIPI176-09	<i>P. species 1</i>	MK813797	Canada	Sudbury	1.ix.2008	46.47, -81

PIPI177-09	<i>P. species 1</i>	MK813798	Canada	Sudbury	1.ix.2008	46.47, -81
PIPI178-09	<i>P. species 1</i>	MK813799	Canada	Sudbury	1.ix.2008	46.47, -81
PIPI195-09	<i>P. species 1</i>	MK813801	Canada	Manitoulin Island	10.v.1979	45.66, -82.26
PIPI197-09	<i>P. species 1</i>	MK813800	Canada	Manitoulin Island	10.v.1979	45.66, -82.26
PIPI209-09	<i>P. species 1</i>	MK813802	Canada	Sudbury	25.v.1979	46.47, -81
PIPI214-09	<i>P. species 1</i>	MK813807	Canada	Macklin	15.x.1981	52.33, -109.94
PIPI218-09	<i>P. species 1</i>	MK813806	Canada	Manitoulin Island	10.v.1979	45.95, -81.95
PIPI219-09	<i>P. species 1</i>	MK813805	Canada	Manitoulin Island	10.v.1979	45.95, -81.95
PIPI220-09	<i>P. species 1</i>	MK813804	Canada	Manitoulin Island	10.v.1979	45.95, -81.95
PIPI221-09	<i>P. species 1</i>	MK813803	Canada	Manitoulin Island	10.v.1979	45.95, -81.95
PIPI232-09	<i>P. piceus</i>	MK813816	USA	Solano County	1.iii.1972	38.31, -121.9
PIPI233-09	<i>P. piceus</i>	MK813813	USA	Solano County	1.iii.1972	38.31, -121.9
PIPI235-09	<i>P. piceus</i>	MK813815	USA	Solano County	1.iii.1972	38.31, -121.9
PIPI236-09	<i>P. piceus</i>	MK813812	USA	Solano County	1.iii.1972	38.31, -121.9
PIPI238-09	<i>P. pirata</i>	MK813820	Canada	Macklin	15.x.1981	52.33, -109.94
PIPI246-09	<i>P. pirata</i>	MK813819	Canada	Manitoulin Island	2.v.1978	45.95, -81.95
PIPI262-09	<i>P. piceus</i>	MK813810	Canada	Dawson City	16.viii.1971	64.04, -139.42
PIPI264-09	<i>P. piceus</i>	MK813809	Canada	Banff	5.x.1981	51.18, -115.57
PIPI268-09	<i>P. piceus</i>	MK813808	Canada	Lethbridge	12.x.1981	49.58, -112.83
PIPI386-09	<i>P. piceus</i>	GU695038	Canada	Pincher Creek	13.v.2003	49.49, -113.95
PIPI390-09	<i>P. species 1</i>	GU695039	Canada	Coaldale	11.v.2002	49.87, -112.45
PIPI394-09	<i>P. species 1</i>	GU695040	Canada	Coaldale	11.v.2002	49.87, -112.45
PIPI398-09	<i>P. species 1</i>	GU695042	Canada	Coaldale	24.x.2002	49.87, -112.45
PIPI401-09	<i>P. species 1</i>	GU695043	Canada	Coaldale	24.x.2002	49.87, -112.45
PIPI403-09	<i>P. species 1</i>	GU695044	Canada	Coaldale	24.x.2002	49.87, -112.45
PIPI404-09	<i>P. species 1</i>	GU695045	Canada	Coaldale	24.x.2002	49.87, -112.45
PIPI405-09	<i>P. piceus</i>	GU695046	Canada	Thunder Bay	4.v.2005	48.38, -89.25
PIPI410-09	<i>P. piceus</i>	GU695047	Canada	Thunder Bay	4.v.2005	48.38, -89.25
PIPI412-09	<i>P. piceus</i>	GU695048	Canada	Thunder Bay	4.v.2005	48.38, -89.25
PIPI414-09	<i>P. piceus</i>	GU695049	Canada	Fort Albany	27.v.2005	52.25, -81.5

PIPI415-09	<i>P. piceus</i>	GU695050	Canada	Fort Albany	27.v.2005	52.25, -81.5
PIPI416-09	<i>P. piceus</i>	GU695051	Canada	Fort Albany	27.v.2005	52.25, -81.5
PIPI417-09	<i>P. piceus</i>	GU695052	Canada	Fort Albany	27.v.2005	52.25, -81.5
PIPI418-09	<i>P. piceus</i>	GU695053	Canada	Fort Albany	27.v.2005	52.25, -81.5
PIPI419-09	<i>P. piceus</i>	GU695054	Canada	Fort Albany	27.v.2005	52.25, -81.5
PIPI420-09	<i>P. piceus</i>	GU695055	Canada	Fort Albany	27.v.2005	52.25, -81.5
PIPI421-09	<i>P. piceus</i>	GU695056	Canada	Coaldale	11.v.2003	49.87, -112.45
PIPI422-09	<i>P. piceus</i>	GU695057	Canada	Coaldale	11.v.2003	49.87, -112.45
PIPI423-09	<i>P. piceus</i>	GU695058	Canada	Coaldale	11.v.2003	49.87, -112.45
PIPI424-09	<i>P. piceus</i>	GU695059	Canada	Coaldale	11.v.2003	49.87, -112.45
PIPI425-09	<i>P. species 1</i>	GU695060	Canada	Coaldale	11.v.2003	49.87, -112.45
PIPI426-09	<i>P. species 1</i>	GU695061	Canada	Coaldale	11.v.2003	49.87, -112.45
PIPI427-09	<i>P. piceus</i>	GU695062	Canada	Coaldale	11.v.2003	49.87, -112.45
PIPI428-09	<i>P. piceus</i>	GU695063	Canada	Coaldale	11.v.2003	49.87, -112.45
PIPI429-09	<i>P. piceus</i>	GU695064	Canada	Coaldale	24.x.2002	49.87, -112.45
PIPI430-09	<i>P. piceus</i>	GU695065	Canada	Coaldale	24.x.2002	49.87, -112.45
PIPI431-09	<i>P. piceus</i>	GU695066	Canada	Coaldale	24.x.2002	49.87, -112.45
PIPI432-09	<i>P. piceus</i>	GU695067	Canada	Coaldale	24.x.2002	49.87, -112.45
PIPI433-09	<i>P. piceus</i>	GU695068	Canada	Coaldale	24.x.2002	49.87, -112.45
PIPI434-09	<i>P. piceus</i>	GU695069	Canada	Coaldale	24.x.2002	49.87, -112.45
PIPI435-09	<i>P. piceus</i>	GU695070	Canada	Coaldale	24.x.2002	49.87, -112.45
PIPI436-09	<i>P. piceus</i>	GU695071	Canada	Coaldale	24.x.2002	49.87, -112.45
PIPI437-09	<i>P. species 1</i>	GU695072	Canada	Renfrew	22.iv.2003	45.47, -76.69
PIPI438-09	<i>P. species 1</i>	GU695073	Canada	Renfrew	22.iv.2003	45.47, -76.69
PIPI439-09	<i>P. species 1</i>	GU695074	Canada	Renfrew	22.iv.2003	45.47, -76.69
PIPI444-09	<i>P. species 1</i>	GU695075	Canada	Renfrew	28.iv.2001	45.47, -76.69
PIPI447-09	<i>P. species 1</i>	GU695078	Canada	Douglas P.P.	26.ix.1999	51.05, -106.46
PIPI448-09	<i>P. species 2</i>	GU695079	Canada	Douglas P.P.	26.ix.1999	51.05, -106.46
PIPI455-09	<i>P. species 1</i>	GU695086	Canada	Coaldale	10.v.2007	49.87, -112.45
PIPI458-09	<i>P. species 1</i>	GU695087	Canada	Coaldale	10.v.2007	49.87, -112.45

PIPI471-09	<i>P. pirata</i>	GU695094	Canada	Timmins	2.v.2002	48.48, -81.33
PIPI472-09	<i>P. pirata</i>	GU695095	Canada	Timmins	2.v.2002	48.48, -81.33
PIPI478-09	<i>P. piceus</i>	GU695096	Canada	Timmins	11.viii.2001	48.48, -81.33
PIPI479-09	<i>P. piceus</i>	GU695097	Canada	Timmins	11.viii.2001	48.48, -81.33
PIPI481-09	<i>P. piceus</i>	MK813811	Canada	Timmins	11.viii.2001	48.48, -81.33
PIPI482-09	<i>P. piceus</i>	GU695098	Canada	Timmins	11.viii.2001	48.48, -81.33
PIPI490-09	<i>P. piceus</i>	GU695099	Canada	Winfield	17.x.1999	50.04, -119.34
PIPI491-09	<i>P. piceus</i>	GU695100	Canada	Winfield	17.x.1999	50.04, -119.34
PIPI493-09	<i>P. pirata</i>	GU695101	Canada	Liebenthal	22.ix.1999	50.66, -109.54
PIPI494-09	<i>P. pirata</i>	GU695102	Canada	Liebenthal	22.ix.1999	50.66, -109.54
PIPI495-09	<i>P. pirata</i>	GU695103	Canada	Liebenthal	22.ix.1999	50.66, -109.54
PIPI497-09	<i>P. pirata</i>	GU695104	Canada	Liebenthal	22.ix.1999	50.66, -109.54
PIPI499-09	<i>P. pirata</i>	GU695105	Canada	Liebenthal	22.ix.1999	50.66, -109.54
PIPI500-09	<i>P. species 1</i>	GU695106	Canada	Cochrane	3.v.2002	49.06, -81.03
PIPI503-09	<i>P. species 1</i>	GU695107	Canada	Cochrane	3.v.2002	49.06, -81.03
PIPI505-09	<i>P. species 1</i>	GU695108	Canada	Cochrane	3.v.2002	49.06, -81.03
PIPI507-09	<i>P. species 1</i>	GU695109	Canada	Cochrane	3.v.2002	49.06, -81.03
PIPI508-09	<i>P. species 1</i>	GU695110	Canada	Red Lake	18.v.2002	51.02, -93.82
PIPI509-09	<i>P. species 1</i>	GU695111	Canada	Red Lake	18.v.2002	51.02, -93.82
PIPI511-09	<i>P. species 1</i>	GU695113	Canada	Red Lake	18.v.2002	51.02, -93.82
PIPI513-09	<i>P. species 1</i>	GU695115	Canada	Red Lake	18.v.2002	51.02, -93.82
PIPI514-09	<i>P. species 1</i>	GU695116	Canada	Red Lake	18.v.2002	51.02, -93.82
PIPI515-09	<i>P. species 1</i>	GU695117	Canada	Red Lake	18.v.2002	51.02, -93.82
PIPI516-09	<i>P. pirata</i>	GU695020	Canada	Dryden	19.v.2002	49.78, -92.84
PIPI517-09	<i>P. pirata</i>	GU695021	Canada	Dryden	19.v.2002	49.78, -92.84
PIPI518-09	<i>P. pirata</i>	GU695022	Canada	Dryden	19.v.2002	49.78, -92.84
PIPI519-09	<i>P. pirata</i>	GU695023	Canada	Dryden	19.v.2002	49.78, -92.84
PIPI520-09	<i>P. pirata</i>	GU695024	Canada	Dryden	19.v.2002	49.78, -92.84
PIPI521-09	<i>P. pirata</i>	GU695025	Canada	Dryden	19.v.2002	49.78, -92.84
PIPI522-09	<i>P. pirata</i>	GU695026	Canada	Dryden	19.v.2002	49.78, -92.84

PIPI523-09	<i>P. pirata</i>	GU695027	Canada	Dryden	19.v.2002	49.78, -92.84
PIPI524-09	<i>P. pirata</i>	GU695028	Canada	Waterton Lakes N.P.	9.v.2007	49.08, -113.9
PIPI525-09	<i>P. pirata</i>	GU695029	Canada	Waterton Lakes N.P.	9.v.2007	49.08, -113.9
PIPI526-09	<i>P. pirata</i>	GU695030	Canada	Waterton Lakes N.P.	9.v.2007	49.08, -113.9
PIPI527-09	<i>P. pirata</i>	GU695031	Canada	Waterton Lakes N.P.	9.v.2007	49.08, -113.9
PIPI528-09	<i>P. pirata</i>	GU695032	Canada	Waterton Lakes N.P.	9.v.2007	49.08, -113.9
PIPI529-09	<i>P. pirata</i>	GU695033	Canada	Waterton Lakes N.P.	9.v.2007	49.08, -113.9
PIPI530-09	<i>P. pirata</i>	GU695034	Canada	Waterton Lakes N.P.	9.v.2007	49.08, -113.9
PIPI531-09	<i>P. pirata</i>	GU695035	Canada	Waterton Lakes N.P.	9.v.2007	49.08, -113.9
PIPI533-09	<i>P. species 1</i>	GU695036	Canada	Waterton Lakes N.P.	10.v.2007	49.08, -113.9
PIPI540-09	<i>P. pirata</i>	GU695118	Canada	Waterton Lakes N.P.	17.ix.2007	49.08, -113.9
PIPI541-09	<i>P. pirata</i>	GU695119	Canada	Waterton Lakes N.P.	17.ix.2007	49.08, -113.9
PIPI542-09	<i>P. pirata</i>	GU695120	Canada	Waterton Lakes N.P.	17.ix.2007	49.08, -113.9
PIPI543-09	<i>P. pirata</i>	GU695121	Canada	Waterton Lakes N.P.	17.ix.2007	49.08, -113.9
PIPI544-09	<i>P. pirata</i>	GU695122	Canada	Waterton Lakes N.P.	17.ix.2007	49.08, -113.9
PIPI545-09	<i>P. pirata</i>	GU695123	Canada	Waterton Lakes N.P.	17.ix.2007	49.08, -113.9
PIPI546-09	<i>P. pirata</i>	GU695124	Canada	Waterton Lakes N.P.	17.ix.2007	49.08, -113.9
PIPI547-09	<i>P. pirata</i>	GU695125	Canada	Waterton Lakes N.P.	17.ix.2007	49.08, -113.9
PIPI550-09	<i>P. species 1</i>	GU695013	Canada	Peachland	16.v.2007	49.79, -119.7
PIPI553-09	<i>P. species 1</i>	GU695015	Canada	Peachland	16.v.2007	49.79, -119.7
PIPI555-09	<i>P. species 1</i>	GU695017	Canada	Peachland	16.v.2007	49.79, -119.7
PIPI557-09	<i>P. species 1</i>	GU695018	Canada	Peachland	12.ii.2008	49.79, -119.7
PIPI559-09	<i>P. species 1</i>	GU695127	Canada	Peachland	12.ii.2008	49.79, -119.7
PIPI565-09	<i>P. piceus</i>	GU695130	Canada	Coaldale	24.x.2002	49.87, -112.45
PIPI566-09	<i>P. piceus</i>	GU695131	Canada	Coaldale	24.x.2002	49.87, -112.45
PNWHM263-13	<i>D. bicolor</i>	MK977683	USA	Latah	1.v.2007	46.69, -116.95
PNWHM265-13	<i>D. rosaefolii</i>	MK977691	USA	Whitman	1.v.2007	46.7, -117.13
PNWHM267-13	<i>D. rosaefolii</i>	MK977689	USA	Whitman	1.v.2007	46.7, -117.13
PNWHM274-13	<i>D. californica</i>	MK977685	USA	Latah	1.v.2007	46.69, -116.95
PNWHM275-13	<i>D. californica</i>	MK977684	USA	Latah	1.v.2007	46.69, -116.95

PNWHM277-13	<i>D. fusiformans</i>	MK977686	USA	Latah	1.v.2007	46.66, -116.99
PNWHM279-13	<i>D. fusiformans</i>	MK977687	USA	Latah	1.v.2007	46.66, -116.99
PNWHM297-13	<i>D. rosaefolii</i>	MK977688	USA	Whitman	1.v.2007	46.7, -117.14
PNWHM302-13	<i>D. oregonensis</i>	MK977692	USA	Latah	1.v.2007	46.69, -116.95
PNWHM307-13	<i>D. rosaefolii</i>	MK977690	USA	Whitman	1.v.2007	46.7, -117.14
PNWHM309-13	<i>D. oregonensis</i>	MK977693	USA	Whitman	1.v.2007	46.7, -117.14
ROSE001-08	<i>D. bicolor</i>	MK813497	Canada	Lethbridge	18.ix.1999	49.58, -112.83
ROSE002-08	<i>D. bicolor</i>	MK813496	Canada	Lethbridge	18.ix.1999	49.58, -112.83
ROSE003-08	<i>D. bicolor</i>	MK813495	Canada	Lethbridge	18.ix.1999	49.58, -112.83
ROSE004-08	<i>D. bicolor</i>	MK813494	Canada	Waterton Lakes N.P.	26.ix.2007	49.08, -113.88
ROSE005-08	<i>D. bicolor</i>	MK813493	Canada	Waterton Lakes N.P.	26.ix.2007	49.08, -113.88
ROSE006-08	<i>D. bicolor</i>	MK813492	Canada	Waterton Lakes N.P.	26.ix.2007	49.08, -113.88
ROSE007-08	<i>D. bicolor</i>	MK813491	Canada	Waterton Lakes N.P.	26.ix.2007	49.08, -113.88
ROSE008-08	<i>D. bicolor</i>	MK813490	Canada	Waterton Lakes N.P.	26.ix.2007	49.08, -113.88
ROSE009-08	<i>D. bicolor</i>	MK813489	Canada	Waterton Lakes N.P.	26.ix.2007	49.08, -113.88
ROSE010-08	<i>D. bicolor</i>	MK813488	Canada	Waterton Lakes N.P.	26.ix.2007	49.08, -113.88
ROSE011-08	<i>D. bicolor</i>	MK813487	Canada	Kelowna	15.x.1999	49.89, -119.5
ROSE013-08	<i>D. bicolor</i>	MK813486	Canada	Coaldale	24.x.2002	49.87, -112.45
ROSE014-08	<i>D. bicolor</i>	MK813485	Canada	Coaldale	24.x.2002	49.87, -112.45
ROSE015-08	<i>D. bicolor</i>	MK813484	Canada	Coaldale	11.v.2003	49.87, -112.45
ROSE016-08	<i>D. bicolor</i>	MK813483	Canada	Coaldale	11.v.2003	49.87, -112.45
ROSE017-08	<i>D. bicolor</i>	MK813482	Canada	Pincher Creek	13.v.2003	49.49, -113.95
ROSE018-08	<i>D. bicolor</i>	MK813481	Canada	Pincher Creek	13.v.2003	49.49, -113.95
ROSE019-08	<i>D. bicolor</i>	MK813480	Canada	Pincher Creek	13.v.2003	49.49, -113.95
ROSE020-08	<i>D. bicolor</i>	MK813498	Canada	Waterton Lakes N.P.	26.ix.2007	49.08, -113.88
ROSE021-08	<i>D. ignota</i>	MK813562	Canada	Near Saskatoon	12.v.2007	51.89, -106.81
ROSE022-08	<i>D. ignota</i>	MK813561	Canada	Near Saskatoon	12.v.2007	51.89, -106.81
ROSE023-08	<i>D. ignota</i>	MK813563	Canada	Near Saskatoon	12.v.2007	51.89, -106.81
ROSE024-08	<i>D. ignota</i>	MK813564	Canada	Near Saskatoon	12.v.2007	51.89, -106.81
ROSE025-08	<i>D. ignota</i>	MK813565	Canada	Near Saskatoon	12.v.2007	51.89, -106.81

ROSE026-08	<i>D. ignota</i>	MK813566	Canada	Near Saskatoon	12.v.2007	51.89, -106.81
ROSE027-08	<i>D. ignota</i>	MK813567	Canada	Near Saskatoon	12.v.2007	51.89, -106.81
ROSE028-08	<i>D. ignota</i>	MK813568	Canada	Near Saskatoon	12.v.2007	51.89, -106.81
ROSE029-08	<i>D. ignota</i>	MK813569	Canada	Near Saskatoon	12.v.2007	51.89, -106.81
ROSE030-08	<i>D. ignota</i>	MK813570	Canada	Near Saskatoon	12.v.2007	51.89, -106.81
ROSE031-08	<i>D. ignota</i>	MK813571	Canada	Near Saskatoon	12.v.2007	51.89, -106.81
ROSE032-08	<i>D. ignota</i>	MK813572	Canada	Near Saskatoon	12.v.2007	51.89, -106.81
ROSE033-08	<i>D. ignota</i>	MK813573	Canada	Near Saskatoon	12.v.2007	51.89, -106.81
ROSE034-08	<i>D. ignota</i>	MK813574	Canada	Near Saskatoon	12.v.2007	51.89, -106.81
ROSE035-08	<i>D. ignota</i>	MK813575	Canada	Near Saskatoon	12.v.2007	51.89, -106.81
ROSE036-08	<i>D. ignota</i>	MK813576	Canada	Near Saskatoon	12.v.2007	51.89, -106.81
ROSE037-08	<i>D. ignota</i>	MK813559	Canada	Near Saskatoon	12.v.2007	51.89, -106.81
ROSE038-08	<i>D. ignota</i>	MK813560	Canada	Near Saskatoon	12.v.2007	51.89, -106.81
ROSE043-08	<i>D. triforma</i>	MK813737	Canada	Sudbury	12.i.2008	46.47, -81
ROSE044-08	<i>D. triforma</i>	MK813738	Canada	Sudbury	12.i.2008	46.47, -81
ROSE045-08	<i>D. triforma</i>	MK813729	Canada	Sudbury	12.i.2008	46.47, -81
ROSE046-08	<i>D. triforma</i>	MK813739	Canada	Sudbury	12.i.2008	46.47, -81
ROSE047-08	<i>D. triforma</i>	MK813730	Canada	Sudbury	12.i.2008	46.47, -81
ROSE081-08	<i>D. nebulosa</i>	MK813586	Canada	Manitoulin Island	28.x.2004	45.66, -82.26
ROSE082-08	<i>D. fusiformans</i>	MK813549	Canada	Renfrew	19.iv.2006	45.5, -76.58
ROSE083-08	<i>D. variabilis</i>	MK813752	Canada	Peachland	16.v.2007	49.79, -119.7
ROSE084-08	<i>D. spinosa</i>	MK813725	Canada	Renfrew	19.iv.2006	45.47, -76.58
ROSE086-08	<i>D. bassetti</i>	MK813475	Canada	Coaldale	24.x.2002	49.87, -112.43
ROSE087-08	<i>D. oregonensis</i>	MK813623	Canada	Great Sand Hills	9.v.2003	50.69, -109.27
ROSE091-08	<i>D. rosae</i>	MK813632	Canada	Picton	28.iv.2003	43.95, -76.85
ROSE093-08	<i>D. eglanteriae</i>	MK813515	Canada	Niagara Falls	6.v.1996	43.09, -79.09
ROSE094-08	<i>D. fructuum</i>	MK813533	Turkey	Kelkit	28.i.2008	40.09, 39.56
ROSE095-08	<i>D. spinosa</i>	MK813724	Canada	Renfrew	19.iv.2006	45.47, -76.58
ROSE096-08	<i>D. spinosa</i>	MK813723	Canada	Renfrew	19.iv.2006	45.47, -76.58
ROSE097-08	<i>D. spinosa</i>	MK813722	Canada	Renfrew	19.iv.2006	45.47, -76.58

ROSE098-08	<i>D. spinosa</i>	MK813721	Canada	Renfrew	19.iv.2006	45.47, -76.58
ROSE104-08	<i>D. spinosa</i>	MK813720	Canada	Thunder Bay	4.v.2005	48.25, -89.7
ROSE105-08	<i>D. spinosa</i>	MK813719	Canada	Thunder Bay	4.v.2005	48.25, -89.7
ROSE106-08	<i>D. spinosa</i>	MK813718	Canada	Thunder Bay	4.v.2005	48.25, -89.7
ROSE107-08	<i>D. spinosa</i>	MK813717	Canada	Thunder Bay	4.v.2005	48.25, -89.7
ROSE108-08	<i>D. spinosa</i>	MK813716	Canada	Thunder Bay	4.v.2005	48.25, -89.7
ROSE109-08	<i>D. spinosa</i>	MK813715	Canada	Attawapiskat	25.v.2005	52.92, -82.44
ROSE110-08	<i>D. spinosa</i>	MK813714	Canada	Attawapiskat	25.v.2005	52.92, -82.44
ROSE111-08	<i>D. spinosa</i>	MK813713	Canada	Attawapiskat	25.v.2005	52.92, -82.44
ROSE112-08	<i>D. spinosa</i>	MK813712	Canada	Attawapiskat	25.v.2005	52.92, -82.44
ROSE113-08	<i>D. spinosa</i>	MK813711	Canada	Attawapiskat	25.v.2005	52.92, -82.44
ROSE114-08	<i>D. spinosa</i>	MK813710	Canada	Fort Albany	27.v.2005	52.21, -81.69
ROSE115-08	<i>D. spinosa</i>	MK813709	Canada	Fort Albany	27.v.2005	52.21, -81.69
ROSE116-08	<i>D. spinosa</i>	MK813708	Canada	Fort Albany	27.v.2005	52.21, -81.69
ROSE117-08	<i>D. spinosa</i>	MK813707	Canada	Fort Albany	27.v.2005	52.21, -81.69
ROSE118-08	<i>D. spinosa</i>	MK813706	Canada	Fort Albany	27.v.2005	52.21, -81.69
ROSE124-08	<i>D. spinosa</i>	MK813705	Canada	Renfrew	19.iv.2006	45.31, -75.92
ROSE125-08	<i>D. spinosa</i>	MK813704	Canada	Renfrew	19.iv.2006	45.31, -75.92
ROSE126-08	<i>D. spinosa</i>	MK813703	Canada	Renfrew	19.iv.2006	45.31, -75.92
ROSE130-08	<i>D. spinosa</i>	MK813702	Canada	Renfrew	19.iv.2006	45.31, -75.92
ROSE132-08	<i>D. spinosa</i>	MK813701	Canada	Kanata	19.iv.2006	45.35, -75.79
ROSE133-08	<i>D. spinosa</i>	MK813700	Canada	Kanata	19.iv.2006	45.35, -75.79
ROSE134-08	<i>D. spinosa</i>	MK813699	Canada	Waterton Lakes N.P.	10.v.2007	49.08, -113.88
ROSE135-08	<i>D. spinosa</i>	MK813698	Canada	Waterton Lakes N.P.	10.v.2007	49.08, -113.88
ROSE136-08	<i>D. spinosa</i>	MK813697	Canada	Waterton Lakes N.P.	10.v.2007	49.08, -113.88
ROSE137-08	<i>D. spinosa</i>	MK813696	Canada	Waterton Lakes N.P.	10.v.2007	49.08, -113.88
ROSE138-08	<i>D. spinosa</i>	MK813695	Canada	Waterton Lakes N.P.	10.v.2007	49.08, -113.88
ROSE139-08	<i>D. spinosa</i>	MK813694	Canada	Waterton Lakes N.P.	10.v.2007	49.08, -113.88
ROSE140-08	<i>D. spinosa</i>	MK813693	Canada	Waterton Lakes N.P.	10.v.2007	49.08, -113.88
ROSE141-08	<i>D. spinosa</i>	MK813692	Canada	Waterton Lakes N.P.	10.v.2007	49.08, -113.88

ROSE142-08	<i>D. spinosa</i>	MK813691	Canada	Waterton Lakes N.P.	10.v.2007	49.08, -113.88
ROSE143-08	<i>D. spinosa</i>	MK813690	Canada	Waterton Lakes N.P.	10.v.2007	49.08, -113.88
ROSE149-08	<i>D. spinosa</i>	MK813689	Canada	Cypress Hills	21.ix.1999	49.46, -109.36
ROSE179-08	<i>D. radicum</i>	MK813624	Canada	Fort Albany	28.v.2005	52.11, -81.92
ROSE180-08	<i>D. radicum</i>	MK813625	Canada	Fort Albany	28.v.2005	52.11, -81.92
ROSE181-08	<i>D. radicum</i>	MK813626	Canada	Fort Albany	28.v.2005	52.11, -81.92
ROSE182-08	<i>D. radicum</i>	MK813627	Canada	Fort Albany	28.v.2005	52.11, -81.92
ROSE183-08	<i>D. radicum</i>	MK813628	Canada	Fort Albany	28.v.2005	52.11, -81.92
ROSE203-08	<i>D. variabilis</i>	MK813753	Canada	Peachland	16.v.2007	49.79, -119.7
ROSE204-08	<i>D. variabilis</i>	MK813754	Canada	Peachland	16.v.2007	49.79, -119.7
ROSE206-08	<i>D. variabilis</i>	MK813755	Canada	Peachland	16.v.2007	49.79, -119.7
ROSE207-08	<i>D. variabilis</i>	MK813756	Canada	Peachland	16.v.2007	49.79, -119.7
ROSE208-08	<i>D. variabilis</i>	MK813757	Canada	Peachland	16.v.2007	49.79, -119.7
ROSE209-08	<i>D. variabilis</i>	MK813758	Canada	Peachland	16.v.2007	49.79, -119.7
ROSE210-08	<i>D. variabilis</i>	MK813760	Canada	Peachland	16.v.2007	49.79, -119.7
ROSE211-08	<i>D. variabilis</i>	MK813759	Canada	Peachland	16.v.2007	49.79, -119.7
ROSE223-08	<i>D. fusiformans</i>	MK813536	Canada	Renfrew	19.iv.2006	45.5, -76.58
ROSE224-08	<i>D. fusiformans</i>	MK813537	Canada	Renfrew	19.iv.2006	45.5, -76.58
ROSE225-08	<i>D. fusiformans</i>	MK813540	Canada	Renfrew	19.iv.2006	45.5, -76.58
ROSE226-08	<i>D. fusiformans</i>	MK813541	Canada	Renfrew	19.iv.2006	45.5, -76.58
ROSE227-08	<i>D. fusiformans</i>	MK813542	Canada	Renfrew	19.iv.2006	45.5, -76.58
ROSE228-08	<i>D. fusiformans</i>	MK813545	Canada	Renfrew	19.iv.2006	45.5, -76.58
ROSE229-08	<i>D. fusiformans</i>	MK813544	Canada	Renfrew	19.iv.2006	45.5, -76.58
ROSE230-08	<i>D. fusiformans</i>	MK813543	Canada	Renfrew	19.iv.2006	45.5, -76.58
ROSE284-08	<i>D. rosaefolii</i>	MK813660	Canada	Timmins	4.ix.1991	48.47, -81.23
ROSE285-08	<i>D. rosaefolii</i>	MK813661	Canada	Timmins	4.ix.1991	48.47, -81.23
ROSE286-08	<i>D. rosaefolii</i>	MK813662	Canada	Timmins	4.ix.1991	48.47, -81.23
ROSE287-08	<i>D. rosaefolii</i>	MK813663	Canada	Timmins	4.ix.1991	48.47, -81.23
ROSE288-08	<i>D. rosaefolii</i>	MK813664	Canada	Timmins	4.ix.1991	48.47, -81.23
ROSE294-08	<i>D. rosaefolii</i>	MK813665	Canada	Douglas P.P.	26.ix.1999	51.04, -106.47

ROSE295-08	<i>D. rosaefolii</i>	MK813666	Canada	Douglas P.P.	26.ix.1999	51.04, -106.47
ROSE296-08	<i>D. rosaefolii</i>	MK813667	Canada	Douglas P.P.	26.ix.1999	51.04, -106.47
ROSE303-08	<i>D. rosaefolii</i>	MK813668	Canada	Waterton Lakes N.P.	19.ix.2007	49.1, -113.94
ROSE304-08	<i>D. rosaefolii</i>	MK813669	Canada	Waterton Lakes N.P.	19.ix.2007	49.1, -113.94
ROSE305-08	<i>D. rosaefolii</i>	MK813670	Canada	Waterton Lakes N.P.	19.ix.2007	49.1, -113.94
ROSE306-08	<i>D. rosaefolii</i>	MK813671	Canada	Waterton Lakes N.P.	19.ix.2007	49.1, -113.94
ROSE307-08	<i>D. rosaefolii</i>	MK813672	Canada	Waterton Lakes N.P.	19.ix.2007	49.1, -113.94
ROSE308-08	<i>D. rosaefolii</i>	MK813673	Canada	Waterton Lakes N.P.	19.ix.2007	49.1, -113.94
ROSE309-08	<i>D. rosaefolii</i>	MK813644	Canada	Waterton Lakes N.P.	19.ix.2007	49.1, -113.94
ROSE310-08	<i>D. rosaefolii</i>	MK813659	Canada	Waterton Lakes N.P.	19.ix.2007	49.1, -113.94
ROSE311-08	<i>D. rosaefolii</i>	MK813657	Canada	Waterton Lakes N.P.	19.ix.2007	49.1, -113.94
ROSE312-08	<i>D. fusiformans</i>	MK813655	Canada	Waterton Lakes N.P.	19.ix.2007	49.1, -113.94
ROSE313-08	<i>D. bassetti</i>	MK813474	Canada	Coaldale	24.x.2002	49.87, -112.43
ROSE314-08	<i>D. bassetti</i>	MK813473	Canada	Coaldale	24.x.2002	49.87, -112.43
ROSE315-08	<i>D. bassetti</i>	MK813472	Canada	Coaldale	24.x.2002	49.87, -112.43
ROSE316-08	<i>D. bassetti</i>	MK813471	Canada	Coaldale	24.x.2002	49.87, -112.43
ROSE317-08	<i>D. bassetti</i>	MK813470	Canada	Coaldale	24.x.2002	49.87, -112.43
ROSE318-08	<i>D. bassetti</i>	MK813469	Canada	Coaldale	24.x.2002	49.87, -112.43
ROSE319-08	<i>D. bassetti</i>	MK813468	Canada	Coaldale	24.x.2002	49.87, -112.43
ROSE320-08	<i>D. bassetti</i>	MK813467	Canada	Coaldale	24.x.2002	49.87, -112.43
ROSE321-08	<i>D. bassetti</i>	MK813466	Canada	Coaldale	24.x.2002	49.87, -112.43
ROSE322-08	<i>D. bassetti</i>	MK813465	Canada	Osoyoos	16.x.1999	49, -119.35
ROSE324-08	<i>D. bassetti</i>	MK813464	Canada	Osoyoos	16.x.1999	49, -119.35
ROSE325-08	<i>D. bassetti</i>	MK813463	Canada	Osoyoos	16.x.1999	49, -119.35
ROSE326-08	<i>D. bassetti</i>	MK813462	Canada	Osoyoos	16.x.1999	49, -119.35
ROSE327-08	<i>D. bassetti</i>	MK813461	Canada	Osoyoos	16.x.1999	49, -119.35
ROSE328-08	<i>D. bassetti</i>	MK813460	Canada	Osoyoos	16.x.1999	49, -119.35
ROSE329-08	<i>D. bassetti</i>	MK813459	Canada	Osoyoos	16.x.1999	49, -119.35
ROSE330-08	<i>D. bassetti</i>	MK813458	Canada	Osoyoos	16.x.1999	49, -119.35
ROSE332-08	<i>D. bassetti</i>	MK813457	Canada	Waterton Lakes N.P.	19.ix.2007	49.08, -113.9

ROSE333-08	<i>D. bassetti</i>	MK813456	Canada	Waterton Lakes N.P.	19.ix.2007	49.08, -113.9
ROSE334-08	<i>D. bassetti</i>	MK813479	Canada	Waterton Lakes N.P.	19.ix.2007	49.08, -113.9
ROSE335-08	<i>D. bassetti</i>	MK813478	Canada	Waterton Lakes N.P.	19.ix.2007	49.08, -113.9
ROSE336-08	<i>D. bassetti</i>	MK813477	Canada	Waterton Lakes N.P.	19.ix.2007	49.08, -113.9
ROSE337-08	<i>D. bassetti</i>	MK813476	Canada	Waterton Lakes N.P.	19.ix.2007	49.08, -113.9
ROSE338-08	<i>D. gracilis</i>	MK813554	Canada	Leader	8.ix.1972	50.97, -109.53
ROSE341-08	<i>D. gracilis</i>	MK813555	Canada	Moose Jaw	26.ix.1999	51.04, -109.49
ROSE346-08	<i>D. gracilis</i>	MK813553	Canada	Saskatoon	29.ix.1999	51.89, -106.81
ROSE352-08	<i>D. gracilis</i>	MK813551	Canada	Waterton Lakes N.P.	19.ix.2007	49.07, -113.86
ROSE353-08	<i>D. gracilis</i>	MK813556	Canada	Waterton Lakes N.P.	19.ix.2007	49.07, -113.86
ROSE354-08	<i>D. gracilis</i>	MK813557	Canada	Waterton Lakes N.P.	19.ix.2007	49.07, -113.86
ROSE355-08	<i>D. gracilis</i>	MK813558	Canada	Waterton Lakes N.P.	19.ix.2007	49.07, -113.86
ROSE356-08	<i>D. gracilis</i>	MK813550	Canada	Waterton Lakes N.P.	19.ix.2007	49.07, -113.86
ROSE363-08	<i>D. polita</i>	MK813612	Canada	Cypress Hills Prov. Park	20.x.1986	49.63, -110.23
ROSE365-08	<i>D. polita</i>	MK813613	Canada	Cypress Hills Prov. Park	20.x.1986	49.63, -110.23
ROSE366-08	<i>D. polita</i>	MK813614	Canada	Cypress Hills Prov. Park	20.x.1986	49.63, -110.23
ROSE378-08	<i>D. polita</i>	MK813615	Canada	Queen Charlotte Islands	1.viii.1998	52.9, -131.79
ROSE379-08	<i>D. polita</i>	MK813616	Canada	Queen Charlotte Islands	1.viii.1998	52.9, -131.79
ROSE380-08	<i>D. polita</i>	MK813617	Canada	Queen Charlotte Islands	1.viii.1998	52.9, -131.79
ROSE381-08	<i>D. polita</i>	MK813619	Canada	Queen Charlotte Islands	1.viii.1998	52.9, -131.79
ROSE382-08	<i>D. polita</i>	MK813620	Canada	Queen Charlotte Islands	1.viii.1998	52.9, -131.79
ROSE386-08	<i>D. polita</i>	MK813604	Canada	Queen Charlotte Islands	1.viii.1998	52.9, -131.79
ROSE390-08	<i>D. polita</i>	MK813605	Canada	Pacific Rim N.P.	1.x.1995	49.06, -125.72
ROSE394-08	<i>D. polita</i>	MK813606	USA	San Joaquin County	21.iii.2003	37.96, -121.29
ROSE395-08	<i>D. polita</i>	MK813607	USA	San Joaquin County	21.iii.2003	37.96, -121.29
ROSE396-08	<i>D. polita</i>	MK813608	USA	San Joaquin County	21.iii.2003	37.96, -121.29
ROSE397-08	<i>D. polita</i>	MK813609	USA	San Joaquin County	21.iii.2003	37.96, -121.29
ROSE398-08	<i>D. polita</i>	MK813610	USA	San Joaquin County	21.iii.2003	37.96, -121.29
ROSE399-08	<i>D. polita</i>	MK813611	USA	San Joaquin County	21.iii.2003	37.96, -121.29
ROSE400-08	<i>D. polita</i>	MK813618	USA	San Joaquin County	21.iii.2003	37.96, -121.29

ROSE418-08	<i>D. nodulosa</i>	MK813603	Canada	Kelowna	15.x.1999	49.96, -119.15
ROSE423-08	<i>D. nebulosa</i>	MK813587	Canada	Manitoulin Island	28.x.2004	45.66, -82.26
ROSE424-08	<i>D. nebulosa</i>	MK813588	Canada	Manitoulin Island	28.x.2004	45.66, -82.26
ROSE425-08	<i>D. nebulosa</i>	MK813589	Canada	Manitoulin Island	28.x.2004	45.66, -82.26
ROSE426-08	<i>D. nebulosa</i>	MK813590	Canada	Manitoulin Island	28.x.2004	45.66, -82.26
ROSE427-08	<i>D. nebulosa</i>	MK813591	Canada	Manitoulin Island	28.x.2004	45.66, -82.26
ROSE428-08	<i>D. nebulosa</i>	MK813592	Canada	Manitoulin Island	28.x.2004	45.66, -82.26
ROSE429-08	<i>D. nebulosa</i>	MK813593	Canada	Manitoulin Island	28.x.2004	45.66, -82.26
ROSE430-08	<i>D. nebulosa</i>	MK813582	Canada	Manitoulin Island	28.x.2004	45.66, -82.26
ROSE431-08	<i>D. nebulosa</i>	MK813600	Canada	Manitoulin Island	28.x.2004	45.66, -82.26
ROSE432-08	<i>D. nebulosa</i>	MK813552	Canada	Waterton Lakes N.P.	19.ix.2007	49.1, -113.96
ROSE433-08	<i>D. nebulosa</i>	MK813599	Canada	Waterton Lakes N.P.	19.ix.2007	49.1, -113.96
ROSE434-08	<i>D. nebulosa</i>	MK813598	Canada	Waterton Lakes N.P.	19.ix.2007	49.1, -113.96
ROSE435-08	<i>D. nebulosa</i>	MK813597	Canada	Waterton Lakes N.P.	19.ix.2007	49.1, -113.96
ROSE436-08	<i>D. nebulosa</i>	MK813596	Canada	Waterton Lakes N.P.	19.ix.2007	49.1, -113.96
ROSE437-08	<i>D. nebulosa</i>	MK813595	Canada	Waterton Lakes N.P.	19.ix.2007	49.1, -113.96
ROSE438-08	<i>D. nebulosa</i>	MK813581	Canada	Waterton Lakes N.P.	19.ix.2007	49.1, -113.96
ROSE439-08	<i>D. nebulosa</i>	MK813602	Canada	Waterton Lakes N.P.	19.ix.2007	49.1, -113.96
ROSE440-08	<i>D. nebulosa</i>	MK813584	Canada	Waterton Lakes N.P.	19.ix.2007	49.1, -113.96
ROSE441-08	<i>D. nebulosa</i>	MK813585	Canada	Waterton Lakes N.P.	19.ix.2007	49.1, -113.96
ROSE442-08	<i>D. nebulosa</i>	MK813546	Canada	Coaldale	24.x.2002	49.87, -112.44
ROSE443-08	<i>D. nebulosa</i>	MK813547	Canada	Coaldale	24.x.2002	49.87, -112.44
ROSE444-08	<i>D. nebulosa</i>	MK813583	Canada	Coaldale	24.x.2002	49.87, -112.44
ROSE445-08	<i>D. nebulosa</i>	MK813580	Canada	Coaldale	24.x.2002	49.87, -112.44
ROSE446-08	<i>D. nebulosa</i>	MK813579	Canada	Coaldale	24.x.2002	49.87, -112.44
ROSE447-08	<i>D. nebulosa</i>	MK813578	Canada	Coaldale	24.x.2002	49.87, -112.44
ROSE448-08	<i>D. nebulosa</i>	MK813577	Canada	Coaldale	24.x.2002	49.87, -112.44
ROSE449-08	<i>D. nebulosa</i>	MK813548	Canada	Coaldale	24.x.2002	49.87, -112.44
ROSE450-08	<i>D. nebulosa</i>	MK813601	Canada	Coaldale	24.x.2002	49.87, -112.44
ROSE451-08	<i>D. nebulosa</i>	MK813594	Canada	Coaldale	24.x.2002	49.87, -112.44

ROSE452-08	<i>D. fructuum</i>	MK813534	Turkey	Gümüşhane	28.i.2008	40.09, 39.56
ROSE453-08	<i>D. fructuum</i>	MK813535	Turkey	Gümüşhane	28.i.2008	40.09, 39.56
ROSE454-08	<i>D. fructuum</i>	MK813516	Turkey	Gümüşhane	28.i.2008	40.09, 39.56
ROSE455-08	<i>D. fructuum</i>	MK813521	Turkey	Gümüşhane	28.i.2008	40.09, 39.56
ROSE456-08	<i>D. fructuum</i>	MK813532	Turkey	Gümüşhane	28.i.2008	40.09, 39.56
ROSE457-08	<i>D. fructuum</i>	MK813517	Turkey	Gümüşhane	28.i.2008	40.09, 39.56
ROSE458-08	<i>D. fructuum</i>	MK813518	Turkey	Gümüşhane	28.i.2008	40.09, 39.56
ROSE459-08	<i>D. fructuum</i>	MK813519	Turkey	Gümüşhane	28.i.2008	40.09, 39.56
ROSE460-08	<i>D. fructuum</i>	MK813520	Turkey	Gümüşhane	28.i.2008	40.09, 39.56
ROSE461-08	<i>D. fructuum</i>	MK813522	Turkey	Erzurum	12.i.2008	39.9, 41.24
ROSE462-08	<i>D. fructuum</i>	MK813523	Turkey	Erzurum	12.i.2008	39.9, 41.24
ROSE463-08	<i>D. fructuum</i>	MK813524	Turkey	Erzurum	12.i.2008	39.9, 41.24
ROSE464-08	<i>D. fructuum</i>	MK813525	Turkey	Erzurum	12.i.2008	39.9, 41.24
ROSE465-08	<i>D. fructuum</i>	MK813526	Turkey	Erzurum	12.i.2008	39.9, 41.24
ROSE466-08	<i>D. fructuum</i>	MK813527	Turkey	Erzurum	12.i.2008	39.9, 41.24
ROSE467-08	<i>D. fructuum</i>	MK813528	Turkey	Erzurum	12.i.2008	39.9, 41.24
ROSE468-08	<i>D. fructuum</i>	MK813529	Turkey	Erzurum	12.i.2008	39.9, 41.24
ROSE469-08	<i>D. fructuum</i>	MK813530	Turkey	Erzurum	12.i.2008	39.9, 41.24
ROSE470-08	<i>D. fructuum</i>	MK813531	Turkey	Erzurum	12.i.2008	39.9, 41.24
ROSE488-08	<i>D. rosae</i>	MK813631	Canada	St. John's	10.x.1987	47.58, -52.69
ROSE489-08	<i>D. rosae</i>	MK813630	Canada	St. John's	10.x.1987	47.58, -52.69
ROSE490-08	<i>D. rosae</i>	MK813641	Canada	St. John's	10.x.1987	47.58, -52.69
ROSE491-08	<i>D. rosae</i>	MK813640	Canada	St. John's	10.x.1987	47.58, -52.69
ROSE492-08	<i>D. rosae</i>	MK813639	Canada	St. John's	10.x.1987	47.58, -52.69
ROSE493-08	<i>D. rosae</i>	MK813638	Canada	Prince Edward County	28.iv.2003	43.95, -76.87
ROSE494-08	<i>D. rosae</i>	MK813637	Canada	Prince Edward County	28.iv.2003	43.95, -76.87
ROSE495-08	<i>D. rosae</i>	MK813636	Canada	Prince Edward County	28.iv.2003	43.95, -76.87
ROSE496-08	<i>D. rosae</i>	MK813635	Canada	Prince Edward County	28.iv.2003	43.95, -76.87
ROSE497-08	<i>D. rosae</i>	MK813633	Canada	Malden Center	1.v.1994	42.06, -83.06
ROSE498-08	<i>D. rosae</i>	MK813643	Canada	Malden Center	1.v.1994	42.06, -83.06

ROSE499-08	<i>D. rosae</i>	MK813629	Canada	Malden Center	1.v.1994	42.06, -83.06
ROSE500-08	<i>D. rosae</i>	MK813634	Canada	Malden Center	1.v.1994	42.06, -83.06
ROSE501-08	<i>D. rosae</i>	MK813642	Canada	Malden Center	1.v.1994	42.06, -83.06
ROSE502-08	<i>D. eglanteriae</i>	MK813514	Canada	Niagara Falls	6.v.1996	43.09, -79.09
ROSE504-08	<i>D. eglanteriae</i>	MK813513	Canada	Niagara Falls	6.v.1996	43.09, -79.09
ROSE505-08	<i>D. eglanteriae</i>	MK813512	Canada	Niagara Falls	6.v.1996	43.09, -79.09
ROSE506-08	<i>D. eglanteriae</i>	MK813507	Canada	Niagara Falls	6.v.1996	43.09, -79.09
ROSE515-08	<i>D. californica</i>	MK813500	USA	San Diego County	17.viii.1969	33.34, -116.91
ROSE516-08	<i>D. californica</i>	MK813499	USA	San Diego County	17.viii.1969	33.34, -116.91
ROSE518-08	<i>D. californica</i>	MK813501	USA	San Diego County	17.viii.1969	33.34, -116.91
ROSE519-08	<i>D. californica</i>	MK813502	USA	Davis	24.ii.1993	38.35, -122.27
ROSE520-08	<i>D. californica</i>	MK813503	USA	Davis	24.ii.1993	38.35, -122.27
ROSE521-08	<i>D. californica</i>	MK813504	USA	Davis	24.ii.1993	38.35, -122.27
ROSE523-08	<i>D. californica</i>	MK813505	USA	Davis	24.ii.1993	38.35, -122.27
ROSE524-08	<i>D. californica</i>	MK813506	USA	Davis	24.ii.1993	38.35, -122.27
ROSE553-08	<i>D. japonica</i>	MK813441	Japan	Kuroishi	1.xi.1996	40.64, 140.6
ROSE554-08	<i>D. japonica</i>	MK813440	Japan	Kuroishi	1.xi.1996	40.81, 140.76
ROSE565-08	<i>D. spinosa</i>	MK813688	Canada	Waterton Lakes N.P.	10.v.2007	49.08, -113.88
ROSE566-08	<i>D. spinosa</i>	MK813687	Canada	Waterton Lakes N.P.	10.v.2007	49.08, -113.88
ROSE567-08	<i>D. spinosa</i>	MK813686	Canada	Waterton Lakes N.P.	10.v.2007	49.08, -113.88
ROSE568-08	<i>P. pirata</i>	MK813827	Canada	Waterton Lakes N.P.	10.v.2007	49.08, -113.88
ROSE569-08	<i>P. pirata</i>	MK813826	Canada	Waterton Lakes N.P.	10.v.2007	49.08, -113.88
ROSE570-08	<i>P. pirata</i>	MK813829	Canada	Waterton Lakes N.P.	10.v.2007	49.08, -113.88
ROSE571-08	<i>P. pirata</i>	MK813828	Canada	Waterton Lakes N.P.	10.v.2007	49.08, -113.88
ROSE572-08	<i>P. pirata</i>	MK813830	Canada	Waterton Lakes N.P.	10.v.2007	49.08, -113.88
ROSE609-08	<i>D. spinosa</i>	MK813685	Canada	Waterton Lakes N.P.	10.v.2007	49.1, -113.96
ROSE610-08	<i>D. spinosa</i>	MK813684	Canada	Waterton Lakes N.P.	10.v.2007	49.1, -113.96
ROSE611-08	<i>D. spinosa</i>	MK813683	Canada	Waterton Lakes N.P.	10.v.2007	49.1, -113.96
ROSE612-08	<i>P. pirata</i>	MK813831	Canada	Waterton Lakes N.P.	10.v.2007	49.08, -113.88
ROSE659-09	<i>D. nodulosa</i>	GU695239	Canada	Manitoulin Island	30.iv.2002	45.83, -82.33

ROSE660-09	<i>D. nodulosa</i>	GU695240	Canada	Manitoulin Island	30.iv.2002	45.83, -82.33
ROSE661-09	<i>D. nodulosa</i>	GU695241	Canada	Water Lakes N.P.	24.ix.2007	49.08, -113.87
ROSE662-09	<i>D. nodulosa</i>	GU695235	Canada	Manitoulin Island	28.iv.2000	45.66, -82.26
ROSE663-09	<i>D. nodulosa</i>	GU695236	Canada	Manitoulin Island	28.iv.2000	45.66, -82.26
ROSE664-09	<i>D. nodulosa</i>	GU695237	Canada	Manitoulin Island	28.iv.2000	45.66, -82.26
ROSE665-09	<i>D. nodulosa</i>	GU695238	Canada	Manitoulin Island	28.iv.2000	45.66, -82.26
ROSE666-09	<i>D. nodulosa</i>	GU695231	Canada	Manitoulin Island	28.iv.2000	45.66, -82.26
ROSE667-09	<i>D. nodulosa</i>	GU695232	Canada	Manitoulin Island	26.viii.1999	45.66, -82.26
ROSE668-09	<i>D. nodulosa</i>	GU695233	Canada	Manitoulin Island	26.viii.1999	45.66, -82.26
ROSE691-09	<i>D. radicum</i>	GU695213	Canada	Fort Albany	25.v.2005	52.25, -81.5
ROSE693-09	<i>D. radicum</i>	GU695214	Canada	Fort Albany	25.v.2005	52.25, -81.5
ROSE694-09	<i>D. radicum</i>	GU695215	Canada	Fort Albany	25.v.2005	52.25, -81.5
ROSE696-09	<i>D. radicum</i>	GU695209	Canada	Fort Albany	25.v.2005	52.25, -81.5
ROSE698-09	<i>D. radicum</i>	GU695210	Canada	Fort Albany	25.v.2005	52.25, -81.5
ROSE701-09	<i>D. oregonensis</i>	GU695211	Canada	Sceptre	9.v.2003	50.44, -109.22
ROSE702-09	<i>D. oregonensis</i>	GU695212	Canada	Sceptre	9.v.2003	50.44, -109.22
ROSE704-09	<i>D. oregonensis</i>	GU695205	Canada	Sceptre	9.v.2003	50.44, -109.22
ROSE705-09	<i>D. oregonensis</i>	GU695206	Canada	Sceptre	9.v.2003	50.44, -109.22
ROSE706-09	<i>D. oregonensis</i>	GU695207	Canada	Sceptre	9.v.2003	50.44, -109.22
WSU14	<i>D. oregonensis</i>	MK977681	USA	Pullman	1.v.2007	46.74, -117.14
WSUHip17	<i>D. oregonensis</i>	MK977682	USA	Pullman	1.v.2007	46.74, -117.14
WSUPP03	<i>D. oregonensis</i>	MK977680	USA	Pullman	1.v.2007	46.74, -117.14

Supplementary Table 2. Intraspecific genetic divergence. **A**, *Diplolepis*; **B**, *Periclistus*.

A

Species	Intraspecific divergence (%)	Standard deviation
<i>D. eglanteriae</i> Palaearctic	2.44	0.58
<i>D. rosae</i> group	1.86	0.37
<i>Diplolepis</i> species 2	0.12	0.11
<i>D. spinosissima</i>	1.65	0.40
<i>D. nervosa</i>	0.35	0.20
<i>D. oregonensis</i>	1.66	0.35
<i>D. bicolor</i>	1.46	0.32
<i>D. californica</i>	1.10	0.26
<i>D. rosaeifolii</i> group	2.48	0.43
<i>D. ignota</i> group	0.45	0.17
<i>D. triforma</i>	0.00	0.00
<i>D. spinosa</i>	1.76	0.36
<i>D. polita</i> group	2.41	0.40
<i>D. radicum</i>	1.44	0.22
<i>D. eglanteriae</i> Nearctic	0.00	0.00
<i>D. gracilis</i>	0.04	0.04
<i>D. nodulosa</i>	0.23	0.10

B

Species	Intraspecific divergence (%)	Standard deviation
<i>P. brandtii</i>	0.28	0.22
<i>P. caninae</i>	1.46	0.60
<i>P. arefactus</i>	0.13	0.14
<i>Periclistus</i> species 1	2.16	0.66
<i>P. piceus</i>	0.64	0.22
<i>P. pirata</i>	1.47	0.49
<i>Periclistus</i> species 2	0.30	0.17

Supplementary Table 3. Interspecific genetic divergence. A, *Diplolepis*; B, *Periclistus*.

A

Species	<i>D. eglanteriae</i> Palearctic	<i>D. rosae</i> group	<i>Diplolepis</i> species 2	<i>D. spinosissima</i>	<i>D. nervosa</i>	<i>D. oregonensis</i>	<i>D. bicolor</i>	<i>D. californica</i>	<i>D. rosaeifolia</i> group	<i>D. ignota</i> group	<i>D. triforma</i>	<i>D. spinosa</i>	<i>D. polita</i> group	<i>D. radicum</i>	<i>D. eglanteriae</i> Nearctic	<i>D. gracilis</i>	<i>D. nodulosa</i>
<i>D. eglanteriae</i> Palearctic		1.6	1.68	1.65	1.36	1.64	1.46	1.81	1.55	1.60	1.78	1.77	1.41	1.85	1.08	1.60	1.81
<i>D. rosae</i> group	13.68		0.97	0.99	1.43	1.23	1.27	1.45	1.11	1.18	1.43	1.52	1.21	1.41	1.63	1.25	1.41
<i>Diplolepis</i> species 2	14.20	5.93		0.89	1.52	1.40	1.30	1.60	1.34	1.21	1.46	1.58	1.26	1.53	1.77	1.21	1.38
<i>D. spinosissima</i>	14.17	6.28	4.60		1.32	1.52	1.23	1.61	1.22	1.19	1.51	1.62	1.13	1.57	1.64	1.34	1.47
<i>D. nervosa</i>	11.31	10.94	11.83	9.94		1.67	1.48	1.64	1.38	1.48	1.62	1.72	1.44	1.71	1.45	1.56	1.67
<i>D. oregonensis</i>	14.33	10.13	11.36	12.64	14.28		1.46	1.10	1.34	1.33	1.13	1.08	1.46	1.02	1.66	1.36	1.15
<i>D. bicolor</i>	12.87	10.24	10.29	9.33	11.90	12.67		1.75	1.39	1.39	1.63	1.72	0.84	1.67	1.55	1.44	1.67
<i>D. californica</i>	17.20	11.89	13.05	13.23	13.79	8.05	16.43		1.50	1.54	1.06	0.99	1.67	0.90	1.73	1.48	1.17
<i>D. rosaeifolia</i> group	13.74	8.92	10.43	9.11	10.51	12.00	11.22	12.85		1.27	1.38	1.43	1.30	1.47	1.65	1.30	1.43
<i>D. ignota</i> group	13.97	8.98	8.51	8.20	11.87	10.45	11.49	13.09	10.39		1.42	1.50	1.43	1.51	1.56	0.94	1.45
<i>D. triforma</i>	17.01	11.52	11.75	12.25	13.54	8.37	15.14	6.95	12.31	11.29		1.00	1.56	1.05	1.68	1.50	0.97
<i>D. spinosa</i>	17.03	13.73	13.12	14.14	14.69	8.97	16.34	7.35	12.85	12.82	7.10		1.69	0.94	1.71	1.51	1.11
<i>D. polita</i> group	12.99	9.59	9.89	8.73	11.88	12.83	6.08	15.61	10.40	12.16	14.06	15.97		1.65	1.54	1.36	1.61
<i>D. radicum</i>	17.76	12.16	12.76	13.36	14.70	6.91	15.89	6.09	13.44	12.77	7.03	6.92	15.56		1.81	1.57	1.15
<i>D. eglanteriae</i> Nearctic	7.16	13.73	14.61	13.75	10.90	14.18	13.58	15.78	14.05	12.80	15.21	15.73	13.97	16.79		1.54	1.77
<i>D. gracilis</i>	13.30	10.09	9.41	10.17	13.56	11.60	11.66	12.57	10.00	5.76	12.60	13.51	11.34	14.31	13.80		1.49
<i>D. nodulosa</i>	17.55	11.02	10.44	11.60	14.15	8.43	15.23	7.64	12.07	11.86	5.99	7.98	14.51	7.66	16.71	12.36	

B

Species	<i>P. brandtii</i>	<i>P. caninae</i>	<i>P. arefactus</i>	<i>Periclistus</i> species 1	<i>P. piceus</i>	<i>P. pirata</i>	<i>Periclistus</i> species 2
<i>P. brandtii</i>		1.33	2.40	2.86	2.41	2.92	2.92
<i>P. caninae</i>	4.28		2.26	2.44	2.00	2.53	2.42
<i>P. arefactus</i>	7.68	7.40		2.44	2.20	1.10	2.40
<i>Periclistus</i> species 1	9.05	7.92	7.96		2.53	2.74	1.14
<i>P. piceus</i>	7.87	6.57	7.09	7.96		2.33	2.69
<i>P. pirata</i>	9.30	8.23	3.55	8.92	7.64		2.74
<i>Periclistus</i> species 2	9.16	7.84	7.79	3.67	8.38	8.86	