Table S1. Summary of the site characteristics, *Myrmica* ant community and *Myrmica* hosts for each of the 419 Sites. Sites are arranged by country, and names have been anonymized and latitude and longitude of each site given only to the nearest 0.1 degree to protect the identity of vulnerable sites.

*The information available from each site is characterized as follows:

H = The host ant species is reported.
N = The number of infested host nests is reported.
U = The number of uninfested host nests is reported.
M = The identity of all *Myrmica* (including non-hosts) found close to food plants is reported.
Y = The number of all *Myrmica* nests investigated (including non-hosts) found close to food plants is reported.
B = The distribution of *Myrmica* species close to host plants was assessed using baiting.
Q = Nests were excavated in late summer or autumn (before larvae had overwintered), and so data were not included in analysis.

†*Maculinea* are coded as:

H = *Ma. alcon H*
X = *Ma. alcon X*
R = *Ma. alcon* form *rebeli*
A = *Ma. arion*
N = *Ma. nausithous*
T = *Ma. teleius.*

Anonymous site name	Information available*	*Maculinea* †	Latitude (°N)	Longitude (°E)	Altitude (m a.s.l.)	Number of nests of each *Myrmica* species examined (Number of nests with overwintered *Maculinea* †)																Probability that host *Myrmica* are exploited in the proportion encountered					Published data	Unpublished data providers
						aloba	*constricta*	*gallienii*	*lobicornis*	*lobulicornis*	*lonae*	*rubra*	*ruginodis*	*rugulosa*	*sabuleti*	*scabrinodis*	*schenckii*	*slovaca*	*specioides*	*sulcinodis*	*tullinae*	*vandeli*	*alcon H*	*alcon X*	*arion*	*nausithous*	*teleius*		
Austria 01	UMYB	H	48.7	15.4	580	-	-	-	-	-	-	-	-	-	-	19	-	-	-	-	-	9	-	-	-	-	-	7	Höttinger, Schlick-Steiner, Steiner
Austria 02	HNUMYB	H	48.7	15.4	580	-	-	-	-	-	-	-	9	-	-	24 (5H)	-	-	-	-	-	2	0.34529	-	-	-	-	7	Höttinger, Schlick-Steiner, Steiner
Austria 03	HNUMYB	X	48.6	16.4	250	-	-	-	-	-	-	1	5	-	18 (1X)	3	20 (1X)	-	1	-	-	-	-	0.39325	-	-	-	27	Höttinger, Schlick-Steiner, Steiner
Austria 04	HNUMYB	X	48.4	16.3	370	-	-	-	-	-	-	-	-	-	7 (1X)	-	8	-	-	-	-	-	-	0.25033	-	-	-	27	Höttinger, Schlick-Steiner, Steiner
Austria 05	UMYB	X	47.9	16.6	250	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-		Höttinger, Schlick-Steiner, Steiner
Austria 06	MB	H	47.8	13.3	666	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-		Bräu
Austria 07	HNUMYB	X	47.8	16.1	330	-	-	-	-	-	-	-	-	-	11	-	1	-	4 (1X)	-	-	-	-	0.06232	-	-	-	27	Höttinger, Schlick-Steiner, Steiner
Austria 08	MB	H	47.8	13.1	775	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-	-	-	-	-	-	-	-		Bräu
Austria 09	MB	H	47.7	13.0	572	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-	-	-		Bräu
Austria 10	HNUMYB	X	47.7	15.1	720	-	-	-	-	-	-	-	-	-	22 (1X)	-	-	-	-	-	-	-	-	0.50001	-	-	-	27	Höttinger, Schlick-Steiner, Steiner
Austria 11	UMYB	X	47.7	16.3	380	-	-	-	-	-	-	3	5	-	10	1	2	-	1	-	-	-	-	-	-	-	-		Höttinger, Schlick-Steiner, Steiner
Austria 12	HNUMY	X	47.6	15.2	810	-	-	-	-	-	1	-	-	-	13 (10X)	-	-	-	-	-	-	-	-	0.52925	-	-	-	28	
Austria 13	HNUMY	R	47.5	14.9	1600	-	-	-	-	3	-	-	1	-	-	-	-	-	-	12 (3R)	-	-	-	-	-	-	-	28	
Austria 14	HNUMY	R	47.5	14.7	1750	-	-	-	-	-	-	-	8	-	-	-	-	-	-	13 (3R)	-	-	-	-	-	-	-	28	
Austria 15	HNUMYB	X	47.4	16.3	420	-	-	-	-	-	-	-	-	-	1 (1X)	-	-	-	-	-	-	-	-	<0.00001	-	-	-	27	Höttinger, Schlick-Steiner, Steiner
Austria 16	UMYB	H	47.1	16.4	210	-	-	-	-	-	-	13	1	-	-	5	-	-	-	-	-	-	-	-	-	-	-	7	Höttinger, Schlick-Steiner, Steiner
Belgium 01	HNM	H	51.4	4.5	28	-	-	-	-	-	-	9	17	-	9	2	-	-	-	-	-	-	-	-	-	-	-	40, 13	Maes, Van Dyck
Belgium 02	HNM	H	51.4	4.9	28	-	-	-	-	-	-	1	4	-	-	2	-	-	-	-	-	-	-	-	-	-	-	40, 13	Maes, Van Dyck
Belgium 03	HNM	H	51.4	4.6	19	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	40, 13	Maes, Van Dyck
Belgium 04	HNM	H	51.3	5.0	26	-	-	-	-	-	3	7	18	-	1	4	-	-	-	-	-	-	-	-	-	-	-	40, 13	Maes, Van Dyck
Belgium 05	HNM	H	51.3	5.4	32	-	-	-	-	-	-	14	14	-	7	31	4	-	-	-	-	-	-	-	-	-	-	40, 13	Maes, Van Dyck
Belgium 06	HNM	H	51.1	5.3	57	-	-	-	-	-	-	12	17 (1H)	-	1	23	-	-	-	-	-	-	-	-	-	-	-	40	Maes, Van Dyck
Belgium 07	HNM	H	51.1	5.3	65	-	-	-	-	-	-	4 (1H)	6 (5H)	-	-	5 (1H)	-	-	-	-	-	-	-	-	-	-	-	40	Maes, Van Dyck
Belgium 08	HNM	H	51.1	5.4	63	-	-	-	-	-	-	3	9	-	-	15	1	-	-	-	-	-	-	-	-	-	-	40	Maes, Van Dyck
Belgium 09	HNM	H	51.1	5.3	63	-	-	-	-	-	-	8	11	-	-	23	-	-	-	-	-	-	-	-	-	-	-	40	Maes, Van Dyck
Belgium 10	HNM	H	51.1	5.4	73	-	-	-	-	-	-	2	12	-	-	1	-	-	-	-	-	-	-	-	-	-	-	40	Maes, Van Dyck
Belgium 11	HNM	H	51.0	5.4	28	-	-	-	-	-	-	1	12	-	-	9	-	-	-	-	-	-	-	-	-	-	-	40, 13	Maes, Van Dyck
Croatia 01	UMY	NT	46.4	16.4	200	-	-	-	-	-	-	1	1	-	22	9	4	-	-	-	-	-	-	-	-	-	-		Tartally
Czech Republic 01	HNUMY	N	50.2	12.6	561	-	-	-	-	-	-	-	-	-	-	2 (1N)	-	-	-	-	-	-	-	-	-	0.50001	-	16	
Czech Republic 02	HNUMY	T	50.1	15.1	198	-	-	-	-	-	-	-	-	-	26	41 (1T)	-	-	-	-	-	-	-	-	-	-	0.30625	44	Witek, Woyciechowski
Czech Republic 03	HNUMY	T	50.0	15.6	216	-	-	-	-	-	-	-	2	-	-	188 (3T)	-	-	-	-	-	-	-	-	-	-	0.51585	44	Witek, Woyciechowski
Czech Republic 04	HNUMY	H	49.9	13.3	376	-	-	-	-	-	-	-	1	-	-	16 (1H)	-	-	-	-	-	-	0.66690	-	-	-	-	16	
Czech Republic 05	HNUMY	H	49.4	13.9	520	-	-	-	-	-	-	-	-	-	-	10 (3H)	-	-	-	-	-	-	-	-	-	-	-	16	
Czech Republic 06	HNU	H	49.4	13.8	515	-	-	-	-	-	-	-	2	-	-	14 (1H)	-	-	-	-	-	-	0.56276	-	-	-	-	16	
Czech Republic 07	HNUMY	H	49.3	13.8	450	-	-	-	-	-	-	3	62	-	-	275 (4H)	-	-	-	-	-	4	<0.00001	-	-	-	-	16	
Denmark 01	HNUMY	H	57.6	10.4	17	-	-	-	-	-	-	16 (7H)	40 (11H)	-	-	20	-	-	-	-	-	-	0.00014	-	-	-	-	1	Nash
Denmark 02	HNUMY	H	57.3	11.1	4	-	-	-	-	-	-	206 (31H)	75 (4H)	-	-	67	-	-	-	-	-	-	<0.00001	-	-	-	-		Nash
Denmark 03	UMY	H	57.3	11.1	7	-	-	-	-	-	-	18	18	-	-	66	-	-	-	-	-	-	-	-	-	-	-		Nash
Denmark 04	HNUMY	H	57.3	11.0	7	-	-	-	-	-	-	22	4 (1H)	-	-	6	-	-	-	-	-	-	0.06129	-	-	-	-		Nash
Denmark 05	HNUMY	H	57.3	10.9	2	-	-	-	-	-	-	22 (1H)	44	-	-	22	-	-	-	-	-	-	0.12440	-	-	-	-		Nash
Denmark 06	HNUMY	H	57.2	11.0	2	-	-	-	-	-	-	100 (34H)	74 (4H)	-	-	18	-	-	-	-	-	-	<0.00001	-	-	-	-		Nash
Denmark 07	HNUMY	H	57.2	11.0	2	-	-	-	-	-	-	248 (117H)	295 (21H)	-	-	158	-	-	-	-	-	-	<0.00001	-	-	-	-	1	Nash
Denmark 08	HNUMY	H	57.1	8.6	8	-	-	-	-	-	-	-	11 (2H)	-	-	-	-	-	-	-	-	-	0.50001	-	-	-	-	1	Nash
Denmark 09	HNUMY	H	56.3	8.5	21	-	-	-	-	-	-	-	5 (2H)	-	-	-	-	-	-	-	-	-	0.50001	-	-	-	-		Nash
Denmark 10	HNUMY	H	55.7	9.0	56	-	-	-	-	-	-	34	111 (19H)	-	-	48	-	-	-	-	-	-	0.00002	-	-	-	-	1	Nash
Denmark 11	HNUMY	H	55.7	8.2	16	-	-	-	-	-	-	35 (17H)	29 (2H)	-	-	19	-	-	-	-	-	-	<0.00001	-	-	-	-	1	Nash
Denmark 12	B	A	55.0	12.5	80	-	-	-	-	-	-	-	-	-	351	-	-	-	-	-	-	-	-	-	-	-	-		Nielsen
Denmark 13	HNUMY	H	54.8	9.3	34	-	-	-	-	-	-	45 (10H)	35 (4H)	-	-	-	-	-	-	-	-	-	0.11325	-	-	-	-	1	Nash

Anonymous site name	Information available*	*Maculinea* †	Latitude (°N)	Longitude (°E)	Altitude (m a.s.l.)	Number of nests of each *Myrmica* species examined (Number of nests with overwintered *Maculinea* †)																Probability that host *Myrmica* are exploited in the proportion encountered					Published data	Unpublished data providers
						aloba	*constricta*	*gallienii*	*lobicornis*	*lobulicornis*	*lonae*	*rubra*	*ruginodis*	*rugulosa*	*sabuleti*	*scabrinodis*	*schenckii*	*slovaca*	*specioides*	*sulcinodis*	*tullinae*	*vandeli*	*alcon H*	*alcon X*	*arion*	*nausithous*	*teleius*		
Estonia 01	HNUMY	X	59.4	25.7	79	-	-	-	-	-	-	8	-	8	13	9	18 (4X)	-	-	-	-	-	-	0.00425	-	-	-	41	
Estonia 02	YQ	A	59.4	25.7	80	-	-	-	-	-	-	-	-	-	-	-	19	-	-	-	-	-	-	-	-	-	-		Ugelvig
Estonia 03	YQ	A	58.5	22.9	18	-	-	-	5	-	16	-	1	-	-	7	2	-	-	-	-	-	-	-	-	-	-		Ugelvig
Estonia 04	HNUMY	A	58.4	22.8	23	-	-	-	11	-	51(4A)	20	12	10	15	26	67	-	-	-	-	-	-	0.02489	-	-	42	
Estonia 05	YQ	A	58.3	22.3	5	-	-	-	-	-	7	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-		Ugelvig
Estonia 06	YQ	A	57.8	27.5	50	-	-	-	5	-	-	-	8	-	-	-	6	-	-	-	-	-	-	-	-	-	-		Ugelvig
Finland 01	YQ	A	62.6	29.4	129	-	-	-	-	-	-	-	-	-	-	-	23	-	-	-	-	-	-	-	-	-	-		Ugelvig
France 01	HNUMY	H	47.7	0.1	39	-	-	-	-	-	-	-	4	-	-	64 (3H)	-	-	-	-	-	-	0.64298	-	-	-	-		Hochberg
France 02	HNUMY	H	47.6	-3.1	1	-	-	-	-	-	-	-	-	-	-	2 (2H)	-	-	-	-	-	-	-	-	-	-	-	37, 36, 5, 35	Thomas, Elmes
France 03	HNUMY	H	46.7	5.6	302	-	-	-	-	-	-	10	-	-	2	14 (2H)	-	-	-	-	-	-	0.22699	-	-	-	-	37, 36, 5, 35	Thomas, Elmes
France 04	HNUMY	N	45.8	5.8	492	-	-	-	-	-	-	50 (18N, 3T)	-	-	46 (2T)	173 (42T)	-	-	-	-	-	108 (3T)	-	-	-	<0.00001	0.47943	37, 36, 5, 35	Thomas, Elmes
France 05	HNUMY	N	45.8	5.8	237	-	-	-	-	-	-	34 (11N, 1T)	-	-	-	8 (4T)	-	-	-	-	-	-	-	-	-	0.96694	0.00142	37, 36, 5, 35	Thomas, Elmes
France 06	HNUMY	A	45.0	0.8	318	-	-	-	-	-	-	4	-	-	8 (5A)	2	-	-	-	-	-	-	-	-	0.02793	-	-	37, 36, 38, 5, 35	Thomas, Elmes
France 07	HNUMY	X	44.7	6.1	1422	-	-	-	-	-	-	-	10 (1X)	-	55 (1X)	30 (1X)	14 (14X)	-	-	-	-	15	-	<0.00001	-	-	-	37, 36, 5, 35	Thomas, Elmes
France 08	HNUMY	X	44.7	5.9	1486	-	-	-	-	-	-	-	-	-	-	-	15 (6X)	-	-	-	-	-	-	0.50001	-	-	-	37, 36, 5, 35	Thomas, Elmes
France 09	HNUMY	X	44.7	5.9	1486	-	-	-	-	-	-	-	1	-	7	1	14 (6X)	-	-	1	-	-	-	0.08105	-	-	-	37, 36, 5, 35	Thomas, Elmes
France 10	HNUMY	X	44.6	5.8	1482	-	-	-	1	-	-	-	1	-	10	4	11 (6X)	-	-	-	-	-	-	0.00523	-	-	-	37, 36, 5, 35	Thomas, Elmes
Germany 01	NUMY	H	54.7	8.9	20	-	-	-	-	-	-	-	13	-	-	11	-	-	-	-	-	-	-	-	-	-	-		Fürst
Germany 02	NUMY	H	54.4	9.6	9	-	-	-	-	-	-	-	2 (1H)	-	-	-	-	-	-	-	-	-	0.50001	-	-	-	-		Fürst
Germany 03	NUMY	H	53.2	9.9	40	-	-	-	-	-	-	-	-	-	-	38	-	-	-	-	-	-	-	-	-	-	-		Fürst
Germany 04	NUMY	H	53.2	9.9	54	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-		Fürst
Germany 05	NUMY	H	52.9	10.1	60	-	-	-	-	-	-	1	6	-	-	1	-	-	-	-	-	-	-	-	-	-	-		Fürst
Germany 06	NUMY	H	52.8	10.2	75	-	-	-	-	-	-	1	14	-	-	6	-	-	-	-	-	-	-	-	-	-	-		Fürst
Germany 07	HM	X	51.6	9.0	313	-	-	-	-	-	-	-	-	-	8 (8X)	-	1	-	-	-	-	-	-	-	-	-	-	14	
Germany 08	HNUMYB	N	51.4	12.2	97	-	-	-	-	-	-	39 (1N)	-	-	-	22	-	-	-	-	-	-	-	-	-	-	-		Glinka, Ritter, Settele
Germany 09	HNUMYB	N	51.4	12.2	95	-	-	5	-	-	-	24 (1N)	1	-	10	42	-	-	-	-	-	-	-	-	-	0.09745	-		Glinka, Ritter, Settele
Germany 10	MYB	N	51.4	12.4	108	-	-	10	-	-	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		Glinka, Ritter, Settele
Germany 100	MB	X	48.8	11.9	420	-	-	-	-	-	-	4	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 101	MB	X	48.7	11.3	370	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 102	MB	X	48.7	11.3	370	-	-	-	-	-	-	3	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 103	MB	X	48.7	11.1	420	-	-	-	-	-	-	-	1	-	14	-	3	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 104	MB	X	48.6	11.4	420	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 105	MB	X	48.6	11.4	450	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 106	MB	X	48.6	11.4	400	-	-	-	-	-	-	5	-	-	3	-	2	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 107	MB	X	48.4	10.9	450	-	-	-	3	-	-	1	-	-	9	-	-	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 108	MYQ	A	48.4	9.5	736	-	-	-	-	-	-	40	1	-	142	56	26	-	-	-	-	-	-	-	-	-	-	6	
Germany 109	MB	NT	48.4	11.7	448	-	-	-	-	-	-	28	6	-	-	46	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 11	MYB	N	51.3	12.7	138	-	-	-	-	-	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		Glinka, Ritter, Settele
Germany 110	MB	NT	48.4	10.7	547	-	-	-	-	-	-	65	20	-	-	7	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 111	HNUMYQ	A	48.4	9.0	665	-	-	-	-	-	-	120	-	-	252 (1A)	129	47	-	-	-	-	-	-	-	0.50001	-	-	6	
Germany 112	MB	X	48.3	10.9	520	-	-	-	-	-	-	2	-	-	20	4	-	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 113	MB	X	48.3	10.9	520	-	-	-	-	-	-	1	-	-	10	2	-	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 114	MB	N	48.3	11.8	476	-	-	-	-	-	-	9	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 115	MB	X	48.2	10.9	520	-	-	-	1	-	-	2	3	-	7	-	2	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 116	HNUB	NT	48.2	11.3	506	-	-	-	-	-	-	15 (1N, 2T)	34 (1T)	-	-	50 (1T)	-	-	-	-	-	-	-	-	-	0.02381	0.00935		Bräu
Germany 117	MB	X	48.2	10.9	530	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 118	MB	T	48.2	12.2	540	-	-	-	-	-	-	3	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 119	MB	N	48.1	12.0	551	-	-	-	-	-	-	76	1	-	-	26	-	-	-	-	-	-	-	-	-	-	-		Bräu

Anonymous site name	Information available*	*Maculinea* †	Latitude (°N)	Longitude (°E)	Altitude (m a.s.l.)	Number of nests of each *Myrmica* species examined (Number of nests with overwintered *Maculinea* †)																Probability that host *Myrmica* are exploited in the proportion encountered					Published data	Unpublished data providers
						aloba	*constricta*	*gallienii*	*lobicornis*	*lobulicornis*	*lonae*	*rubra*	*ruginodis*	*rugulosa*	*sabuleti*	*scabrinodis*	*schenckii*	*slovaca*	*specioides*	*sulcinodis*	*tullinae*	*vandeli*	*dicon H*	*dicon X*	*orion*	*nausithous*	*teleius*		
Germany 12	HNUMYB	N	51.3	12.5	123	-	-	-	-	-	-	23 (1N)	4	-	-	5	-	-	-	-	-	-	-	-	-	-	-		Glinka, Ritter, Settele
Germany 120	MB	N	48.1	11.6	573	-	-	-	-	-	-	9	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 121	MB	NT	48.0	11.6	596	-	-	-	-	-	-	11	4	-	-	11	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 122	MB	H	47.9	11.2	705	-	-	-	-	-	-	-	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 123	HNUB	NT	47.9	12.9	426	-	-	-	-	-	1	2 (2T)	-	-	-	5 (3N, 2T)	-	-	-	-	-	-	-	-	-	0.75264	0.66648		Anton, Bräu, Musche, Settele
Germany 124	HNUMB	NT	47.9	12.0	500	-	-	-	-	-	-	104 (1N, 1T)	32	-	-	55	-	-	-	-	-	-	-	-	-	0.69918	0.69997		Bräu
Germany 125	MB	H	47.9	19.8	680	-	-	-	1	-	-	5	1	-	-	3	-	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 126	HN	T	47.9	12.9	427	-	-	-	-	-	-	-	-	-	-	1 (1T)	-	-	-	-	-	-	-	-	-	-	-		Anton, Musche, Settele
Germany 127	MB	H	47.9	12.7	624	-	-	-	-	-	-	1	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 128	MB	NT	47.9	11.3	584	-	-	-	-	-	-	36	-	-	-	16	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 129	MB	H	47.9	11.8	657	-	-	-	-	-	-	-	-	-	-	17	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 13	MYB	N	51.3	12.6	129	-	-	-	-	-	-	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		Glinka, Ritter, Settele
Germany 130	HNUB	H	47.9	11.4	685	-	-	-	-	-	-	-	8	-	-	19	-	-	-	-	-	1	-	-	-	-	-		Bräu
Germany 131	MB	H	47.9	11.4	709	-	-	-	-	-	-	-	-	-	-	24	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 132	MB	H	47.8	12.7	515	-	-	-	-	-	-	1	3	-	-	22	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 133	MB	N	47.8	11.8	625	-	-	-	-	-	-	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 134	MB	H	47.8	12.4	522	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 135	MB	H	47.8	11.6	719	-	-	-	-	-	-	-	3	-	-	13	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 136	MB	H	47.8	11.8	696	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 137	MB	H	47.8	12.7	791	-	-	-	-	-	-	2	3	-	-	2	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 138	MB	H	47.8	11.6	698	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 139	HNUMB	H	47.8	12.6	535	-	-	-	-	-	-	-	9	-	-	10 (3H)	-	-	-	-	-	-	0.04818	-	-	-	-		Bräu
Germany 14	MYB	N	51.3	12.5	129	-	-	-	-	-	-	7	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-		Glinka, Ritter, Settele
Germany 140	MB	H	47.8	11.5	673	-	-	-	-	-	-	-	4	-	-	10	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 141	MB	H	47.8	12.5	525	-	-	-	-	-	-	1	1	-	-	5	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 142	HNUMB	H	47.8	10.6	744	-	-	-	-	-	-	3	4	-	-	28 (1H)	-	-	-	-	-	-	0.64308	-	-	-	-		Bräu
Germany 143	MB	H	47.8	11.5	630	-	-	-	-	-	-	-	1	-	-	16	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 144	HNUMB	NT	47.8	11.3	654	-	-	-	-	-	-	80 (2N)	15	-	-	77	-	-	-	-	-	6	-	-	-	0.18683	-		Bräu
Germany 145	MB	H	47.7	11.1	686	-	-	-	-	-	-	-	1	-	-	19	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 146	MB	NT	47.7	11.3	658	-	-	-	-	-	-	-	2	-	-	77	-	-	-	-	-	4	-	-	-	-	-		Bräu
Germany 147	MB	H	47.7	11.1	700	-	-	-	-	-	-	1	3	-	-	17	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 148	MB	H	47.7	11.1	682	-	-	-	-	-	-	-	-	-	-	14	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 149	HNUB	NT	47.7	12.9	480	-	-	-	-	-	-	-	-	-	-	28 (2T)	-	-	-	-	-	-	-	-	-	-	0.50001		Bräu
Germany 15	MYB	N	51.3	12.4	116	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		Glinka, Ritter, Settele
Germany 150	MB	X	47.7	12.1	725	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 151	MB	NT	47.7	11.3	601	-	-	-	-	-	-	16	3	-	-	100	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 152	MB	NT	47.7	11.1	657	-	-	-	-	-	-	-	-	-	-	23	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 153	MB	H	47.7	10.5	839	-	-	-	-	-	-	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 154	MB	H	47.7	10.2	937	-	-	-	-	-	-	-	4	-	-	6	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 155	MB	N	47.7	10.4	854	-	-	-	-	-	-	12	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 156	MB	H	47.6	10.6	816	-	-	-	-	-	-	1	1	-	-	9	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 157	MB	H	47.6	9.9	673	-	-	-	-	-	-	-	1	-	-	21	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 158	MB	H	47.6	10.6	823	-	-	-	-	-	-	-	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 159	MB	X	47.6	12.0	950	-	-	-	4	-	-	2	-	-	4	17	-	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 16	MYB	N	51.3	12.4	116	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		Glinka, Ritter, Settele
Germany 160	MB	H	47.6	10.1	897	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 161	HNUB	X	47.6	11.5	780	-	-	-	-	-	-	10	-	-	8 (2X)	36 (1X)	-	-	-	-	-	-	-	0.02514	-	-	-		Bräu, Dolek
Germany 162	MB	H	47.6	10.6	919	-	-	-	-	-	-	-	1	-	-	17	-	-	-	-	-	-	-	-	-	-	-		Bräu

Anonymous site name	Information available*	*Maculinea* †	Latitude (°N)	Longitude (°E)	Altitude (m a.s.l.)	Number of nests of each *Myrmica* species examined (Number of nests with overwintered *Maculinea* †)																Probability that host *Myrmica* are exploited in the proportion encountered					Published data	Unpublished data providers
						aloba	*constricta*	*gallienii*	*lobicornis*	*lobulicornis*	*lonae*	*rubra*	*ruginodis*	*rugulosa*	*sabuleti*	*scabrinodis*	*schenckii*	*slovaca*	*specioides*	*sulcinodis*	*tullinae*	*vandeli*	*dicon H*	*dicon X*	*orion*	*nausithous*	*teleius*		
Germany 163	MB	H	47.6	9.8	543	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 164	MB	H	47.6	10.6	908	-	-	-	-	-	-	-	-	-	-	16	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 165	MB	N	47.6	10.3	986	-	-	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 166	MB	H	47.6	9.7	444	-	-	-	-	-	-	-	-	-	-	17	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 167	MB	H	47.6	9.7	444	-	-	-	-	-	-	4	4	-	-	17	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 168	HNUB	NT	47.6	9.7	442	-	-	-	-	-	-	16 (5N)	-	-	-	42 (1T)	-	-	-	-	-	-	-	-	-	0.00046	0.63862		Bräu
Germany 169	MB	NT	47.6	9.6	408	-	-	-	-	-	-	5	3	-	-	15	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 17	MYB	N	51.3	12.4	115	-	-	-	-	-	-	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		Glinka, Ritter, Settele
Germany 170	MB	X	47.5	10.2	1185	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 171	MB	X	47.5	10.2	990	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 18	UMYB	N	51.3	12.4	144	-	-	-	-	-	-	36	-	-	-	35	-	-	-	-	-	-	-	-	-	-	-		Glinka, Ritter, Settele
Germany 19	MYB	N	51.3	12.3	115	-	-	-	-	-	-	10	-	5	10	2	-	-	-	-	-	-	-	-	-	-	-		Glinka, Ritter, Settele
Germany 20	HNUMYB	N	51.3	12.4	146	-	-	-	-	-	-	35 (2N)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		Glinka, Ritter, Settele
Germany 21	HNUMYB	N	51.2	12.5	149	-	-	-	-	-	-	21	6	2	1	29	-	-	-	-	-	-	-	-	-	-	-		Glinka, Ritter, Settele
Germany 22	MYB	N	51.1	12.5	150	-	-	-	-	-	-	29	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-		Glinka, Ritter, Settele
Germany 23	MB	X	50.5	10.3	340	-	-	-	-	-	-	-	1	-	-	4	1	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 24	MB	X	50.4	10.3	310	-	-	-	-	-	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 25	MB	X	50.3	10.5	310	-	-	-	1	-	-	-	10	-	12	10	2	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 26	MB	NT	50.3	9.9	537	-	-	-	-	-	-	7	4	-	-	14	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 27	MB	X	50.2	10.1	300	-	-	-	-	-	-	-	-	-	5	-	8	-	1	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 28	MB	NT	50.2	9.6	252	-	-	-	-	-	-	18	-	-	-	22	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 29	MB	NT	50.1	10.8	296	-	-	-	-	-	-	6	1	-	-	1	-	-	-	-	-	1	-	-	-	-	-		Bräu
Germany 30	MB	NT	50.1	10.8	306	-	-	-	-	-	-	7	-	-	-	11	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 31	MB	NT	50.0	10.9	241	-	-	-	-	-	-	16	-	-	-	14	-	-	-	-	-	5	-	-	-	-	-		Bräu
Germany 32	MB	NT	50.0	10.9	323	-	-	-	-	-	-	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 33	MB	NT	50.0	10.7	320	-	-	-	-	-	-	13	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 34	MB	NT	50.0	10.8	314	-	-	-	-	-	-	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 35	MB	NT	50.0	9.3	367	-	-	-	-	-	-	14	12	-	-	21	-	-	-	-	-	1	-	-	-	-	-		Bräu
Germany 36	MB	X	50.0	9.7	280	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 37	MB	NT	50.0	10.8	263	-	-	-	-	-	-	6	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 38	MB	NT	50.0	10.8	278	-	-	-	-	-	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 39	MB	NT	50.0	10.8	328	-	-	-	-	-	-	4	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 40	MB	NT	50.0	10.8	298	-	-	-	-	-	-	25	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 41	MB	NT	49.9	10.6	367	-	-	-	-	-	-	110	2	-	-	57	-	-	-	-	-	3	-	-	-	-	-		Bräu
Germany 42	MB	X	49.6	11.6	500	-	-	-	-	-	-	3	4	2	4	-	-	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 43	MB	X	49.6	11.5	450	-	-	-	1	-	-	-	1	-	8	-	-	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 44	MYB	A	49.5	22.3	315	-	-	-	-	-	-	28	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-		Glinka, Ritter, Settele
Germany 45	MB	X	49.5	11.6	450	-	-	-	-	-	-	2	3	-	-	1	-	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 46	MB	X	49.5	11.6	490	-	-	-	2	-	-	2	-	-	5	2	-	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 47	MB	N	49.4	8.2	108	-	-	-	-	-	-	25 (1N)	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-		Anton, Musche, Hula, Settele
Germany 48	MB	N	49.4	8.4	100	-	-	-	-	-	-	33 (1N)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		Anton, Musche, Hula, Settele
Germany 49	MB	X	49.4	11.7	532	-	-	-	2	-	-	-	-	-	16	11	-	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 50	MB	N	49.4	8.2	117	-	-	-	-	-	-	13	3	1	-	13	-	-	-	-	-	-	-	-	-	-	-		Anton, Musche, Hula, Settele
Germany 51	MB	N	49.3	8.4	106	-	-	-	-	-	-	11	-	-	-	7	-	-	-	-	-	-	-	-	-	-	-		Anton, Musche, Hula, Settele
Germany 52	MB	X	49.3	11.7	440	-	-	-	1	-	-	-	-	-	11	-	2	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 53	MB	X	49.3	11.7	440	-	-	-	-	-	-	-	-	-	4	-	1	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 54	MB	X	49.3	11.8	440	-	-	-	-	-	-	-	5	-	6	2	7	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 55	MB	X	49.3	11.9	370	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek

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						aloba	*constricta*	*gallienii*	*lobicornis*	*lobulicornis*	*lonae*	*rubra*	*ruginodis*	*rugulosa*	*sabuleti*	*scabrinodis*	*schenckii*	*slovaca*	*specioides*	*sulcinodis*	*tullinae*	*vandeli*	*dicon H*	*dicon X*	*orion*	*nausithous*	*teleius*		
Germany 56	MB	N	49.3	8.2	129	-	-	-	-	-	-	23	-	1	-	8	-	-	-	-	-	-	-	-	-	-	-		Anton, Musche, Hula, Settele
Germany 57	MB	X	49.3	11.9	460	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 58	MB	N	49.2	8.0	216	-	-	-	-	-	-	24	-	1	-	10	-	-	-	-	-	-	-	-	-	-	-		Anton, Musche, Hula, Settele
Germany 59	MB	N	49.2	8.0	189	-	-	-	-	-	-	15	-	-	-	11	-	-	-	-	-	-	-	-	-	-	-		Anton, Musche, Hula, Settele
Germany 60	MB	N	49.2	8.0	192	-	-	-	-	-	-	13	-	-	-	13	-	-	-	-	-	-	-	-	-	-	-		Anton, Musche, Hula, Settele
Germany 61	MB	N	49.2	8.3	115	-	-	-	-	-	-	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		Anton, Musche, Hula, Settele
Germany 62	MB	N	49.2	8.3	117	-	-	-	-	-	-	5	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-		Anton, Musche, Hula, Settele
Germany 63	MB	N	49.2	8.0	176	-	-	-	-	-	-	10	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-		Anton, Musche, Hula, Settele
Germany 64	MB	N	49.2	8.0	174	-	-	-	-	-	-	27	2	1	-	4	-	-	-	-	-	-	-	-	-	-	-		Anton, Musche, Hula, Settele
Germany 65	MB	N	49.2	8.3	116	-	-	4	-	-	-	3	-	2	-	6	-	-	-	-	-	-	-	-	-	-	-		Anton, Musche, Hula, Settele
Germany 66	HNUMYB	N	49.2	8.0	198	-	-	-	-	-	-	18 (2N)	-	-	-	27	-	-	-	-	-	-	-	-	-	0.00512	-		Anton, Musche, Hula, Settele, Ritter
Germany 67	MB	N	49.2	8.3	120	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-		Anton, Musche, Hula, Settele
Germany 68	MB	N	49.2	8.0	184	-	-	-	-	-	-	11	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-		Anton, Musche, Hula, Settele
Germany 69	MB	N	49.2	8.3	118	-	-	-	-	-	-	5	-	3	-	30	-	-	-	-	-	-	-	-	-	-	-		Anton, Musche, Hula, Settele
Germany 70	MB	N	49.2	8.0	207	-	-	-	-	-	-	2	3	-	-	6	-	-	-	-	-	-	-	-	-	-	-		Anton, Musche, Hula, Settele
Germany 71	MB	N	49.2	8.2	130	-	-	-	-	-	-	46	-	-	-	11	-	-	-	-	-	-	-	-	-	-	-		Anton, Musche, Hula, Settele
Germany 72	MB	N	49.2	8.0	208	-	-	-	-	-	-	17	-	-	-	16	-	-	-	-	-	-	-	-	-	-	-		Anton, Musche, Hula, Settele
Germany 73	MB	N	49.2	8.2	126	-	-	-	-	-	-	2	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-		Anton, Musche, Hula, Settele
Germany 74	UMYB	N	49.2	8.1	147	-	-	-	-	-	-	9	-	-	8	24	2	-	-	-	-	-	-	-	-	-	-		Anton, Musche, Hula, Settele, Ritter
Germany 75	MB	N	49.2	8.2	134	-	-	-	-	-	-	15	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-		Anton, Musche, Hula, Settele
Germany 76	MB	X	49.2	11.9	410	-	-	-	1	-	2	-	2	-	7	1	-	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 77	HMB	NT	49.2	12.8	500	-	-	-	-	-	-	1	13	-	-	10	-	-	-	-	-	-	-	-	-	-	-		Bräu
Germany 78	MB	X	49.2	11.9	420	-	-	-	5	-	-	-	7	1	20	4	-	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 79	MB	X	49.2	11.9	430	-	-	-	-	-	-	-	-	-	9	6	-	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 80	MB	X	49.2	12.0	360	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 81	MB	X	49.2	12.0	430	-	-	-	-	-	-	2	-	-	5	1	-	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 82	MB	X	49.2	12.0	380	-	-	-	1	-	-	-	-	-	1	2	2	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 83	MB	N	49.1	8.2	127	-	-	-	-	-	-	12	4	2	-	1	-	-	-	-	-	-	-	-	-	-	-		Anton, Musche, Hula, Settele
Germany 84	MB	X	49.1	11.9	446	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 85	MB	N	49.1	8.0	178	-	-	-	-	-	-	-	-	-	-	18	-	-	-	-	-	-	-	-	-	-	-		Anton, Musche, Hula, Settele
Germany 86	MB	N	49.1	8.0	167	-	-	-	-	-	-	16	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-		Anton, Musche, Hula, Settele
Germany 87	MB	N	49.1	8.1	133	-	-	-	-	-	-	-	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-		Anton, Musche, Hula, Settele
Germany 88	MB	X	49.0	11.9	420	-	-	-	2	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 89	MB	N	49.0	8.0	137	-	-	-	-	-	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		Anton, Musche, Hula, Settele
Germany 90	MB	N	49.0	8.0	145	-	-	-	-	-	-	17	-	-	-	10	-	-	-	-	-	-	-	-	-	-	-		Anton, Musche, Hula, Settele
Germany 91	MB	X	49.0	11.9	410	-	-	-	-	-	-	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 92	MB	N	49.0	8.1	134	-	-	-	-	-	-	4	-	-	-	8	1	-	-	-	-	-	-	-	-	-	-		Anton, Musche, Hula, Settele
Germany 93	MB	N	49.0	8.3	105	-	-	-	-	-	-	11	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-		Anton, Musche, Hula, Settele
Germany 94	MB	X	49.0	11.4	490	-	-	-	-	-	-	-	2	-	3	2	4	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 95	MB	N	49.0	8.2	107	-	-	-	-	-	-	12	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-		Anton, Musche, Hula, Settele
Germany 96	MB	X	48.9	11.9	385	-	-	-	-	-	-	-	-	-	12	5	4	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 97	MB	X	48.9	11.3	400	-	-	-	-	-	-	-	2	-	-	5	-	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 98	MB	X	48.9	11.4	420	-	-	-	-	-	-	-	-	-	6	-	2	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Germany 99	MB	X	48.8	11.0	460	-	-	-	-	-	-	-	1	-	1	1	5	-	-	-	-	-	-	-	-	-	-		Bräu, Dolek
Hungary 01	HNUMY	T	48.6	21.4	620	-	-	-	-	-	-	2 (1T)	-	-	-	27 (2T)	-	-	-	-	-	-	-	-	-	0.10339	34		
Hungary 02	HNUMY	THA	48.6	21.4	742	-	-	-	-	-	-	-	-	-	-	53 (3H,2T)	-	-	-	-	-	19 (3H)	0.10951	-	-	0.73117	29, 34		
Hungary 03	UMY	XA	48.5	20.7	220	-	-	-	-	-	-	-	2	-	1	9	1	-	-	-	-	-	-	-	-	-	32		
Hungary 04	HNUMY	A	48.5	20.5	550	-	-	-	1	-	6	-	-	-	21	12	-	-	-	-	-	-	-	-	-	-	32		

Anonymous site name	Information available*	*Maculinea* †	Latitude (°N)	Longitude (°E)	Altitude (m a.s.l.)	Number of nests of each *Myrmica* species examined (Number of nests with overwintered *Maculinea* †)																Probability that host *Myrmica* are exploited in the proportion encountered					Published data	Unpublished data providers
						aloba	*constricta*	*gallienii*	*lobicornis*	*lobulicornis*	*lonae*	*rubra*	*ruginodis*	*rugulosa*	*sabuleti*	*scabrinodis*	*schenckii*	*slovaca*	*specioides*	*sulcinodis*	*tullinae*	*vandeli*	*dicon H*	*dicon X*	*orion*	*nausithous*	*teleius*		
Hungary 05	HNUMY	A	48.5	20.6	399	-	-	-	-	-	-	-	-	-	1	-	1	-	2 (1A)	-	-	-	-	0.75019	-	-	32	
Hungary 06	HNUMY	X	48.5	20.5	268	-	-	-	-	-	-	-	-	-	5	56	16 (2X)	30	10 (2X)	-	-	-	-	0.00158	-	-	29	
Hungary 07	HNUMY	X	48.5	20.6	333	-	-	-	-	-	-	-	-	-	-	39 (1X)	13 (3X)	-	1 (1X)	-	-	1	-	0.00512	-	-	29	
Hungary 08	HNUMY	A	48.5	20.5	336	-	-	-	-	-	-	-	-	-	1	2 (1A)	1	-	-	-	-	-	-	0.74940	-	-	32	
Hungary 09	HNUMY	A	48.5	20.6	330	-	-	-	-	-	5	-	-	-	14	3	-	-	-	-	-	-	-	-	-	-	32	
Hungary 10	HNUMY	T	48.5	20.8	165	-	-	-	-	-	-	2	-	-	-	200 (21T)	-	-	-	-	-	-	-	-	-	0.59932	34	
Hungary 11	NUMY	A	48.4	20.5	340	-	-	-	-	-	-	-	-	-	17	8	1	-	-	-	-	-	-	-	-	-	32	
Hungary 12	HNUMY	T	48.4	20.5	340	-	-	17 (2T)	-	-	-	-	-	-	2	78 (6T)	2	-	-	-	-	1	-	-	-	0.46840	34	
Hungary 13	NUMY	TH	48.4	21.4	700	-	-	-	-	-	-	-	1	-	-	9	-	-	-	-	-	4	-	-	-	-	29, 34	
Hungary 14	UMY	A	48.4	20.7	300	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	32	
Hungary 15	NUMY	A	48.3	22.5	120	-	-	-	-	-	-	6	-	-	-	15	-	-	-	-	-	-	-	-	-	-	32	
Hungary 16	NUMY	T	48.2	19.6	168	-	-	6	-	-	-	10	2	-	-	15	-	-	-	-	-	-	-	-	-	-	34	
Hungary 17	NUMY	T	48.2	19.5	165	-	-	-	-	-	-	7	-	-	-	10	-	-	-	-	-	-	-	-	-	-	34	
Hungary 18	HNUMY	TH	48.1	22.5	108	-	-	-	-	-	-	-	-	-	-	5 (3H)	-	-	-	-	-	-	0.50001	-	-	-	29, 34	
Hungary 19	HNUMY	X	48.1	20.5	783	-	-	-	2	-	4	-	10	-	22 (2X)	47	4	-	-	-	-	-	-	0.12338	-	-	29	
Hungary 20	HNUMY	X	48.1	20.5	751	-	-	-	-	-	3 (1X)	-	-	-	21 (1X)	2	-	-	-	-	-	-	-	0.12806	-	-	29	
Hungary 21	HNUMY	A	48.1	19.7	250	-	-	-	-	-	-	-	-	-	13	6	-	-	3	-	-	-	-	-	-	-	32	
Hungary 22	HNUMY	X	48.1	20.6	563	-	-	-	-	-	-	-	-	-	30 (3X)	55 (2X)	-	-	-	-	-	-	-	0.14243	-	-	29	
Hungary 23	HNUMY	X	48.1	20.6	656	-	-	-	-	-	8	-	2	-	5 (1X)	149 (7X)	4 (1X)	-	-	-	-	-	-	0.11466	-	-	29	
Hungary 24	HNUMY	TH	48.0	22.6	111	-	-	6	-	-	-	-	2	-	-	9 (2H)	-	15 (6H,3T)	-	-	-	-	0.03216	-	-	0.09358	29, 34	
Hungary 25	HNUMY	H	47.9	19.9	586	-	-	-	-	-	-	-	-	-	-	6 (4H)	-	-	-	-	-	-	0.50001	-	-	-	29	
Hungary 26	HNUMY	H	47.9	19.8	680	-	-	-	-	-	-	-	1	-	-	4 (2H)	-	-	-	-	-	-	0.69927	-	-	-	29	
Hungary 27	HNUMY	H	47.8	20.0	352	-	-	6	-	-	-	-	-	-	-	32 (24H)	1	-	-	-	-	-	0.00116	-	-	-	29	
Hungary 28	HNUMY	NT	47.8	17.7	115	-	-	-	-	-	-	7 (2T)	1	-	-	13	-	-	-	-	-	-	-	-	-	0.08243	34	Csősz, Peregovits
Hungary 29	HNUMY	NT	47.6	16.7	117	-	-	-	-	-	-	8 (1N, 3T)	-	-	-	-	-	-	-	-	-	-	-	-	-	0.50001	0.50001	33, 34	
Hungary 30	HNMY	X	47.6	18.9	450	-	-	-	-	-	-	-	-	-	9 (2X)	-	3	-	-	-	-	-	-	0.72761	-	-	-		Csősz, Peregovits
Hungary 31	HNMY	XA	47.4	18.4	340	-	-	-	-	-	-	-	3	-	92 (3X)	52	19 (4X)	-	6	-	-	-	-	0.00309	-	-	-		Csősz, Peregovits
Hungary 32	HNQ	X	47.2	17.8	540	-	-	-	-	-	-	-	-	-	-	-	4 (1X)	-	-	-	-	-	-	0.50001	-	-	-		Csősz, Peregovits
Hungary 33	HNUMY	TH	47.1	19.3	170	-	-	32	-	-	-	-	1	-	8	188 (7H)	-	1	-	-	-	-	0.88037	-	-	-	-		Csősz, Peregovits
Hungary 34	HNQ	H	46.9	17.6	360	-	-	-	-	-	-	-	-	-	-	1 (1H)	-	-	-	-	-	-	<0.00001	-	-	-	-		Csősz, Peregovits
Hungary 35	HNUMY	NTH	46.9	16.2	305	-	-	1	-	-	-	14 (4N, 1T)	-	-	-	11 (1T)	-	-	1	-	-	-	-	-	-	0.08596	0.62418	33, 34	
Hungary 36	HNUMY	NT	46.8	16.4	230	-	-	-	-	-	-	21 (1T)	-	-	-	10	-	-	-	-	-	-	-	-	-	0.66193	34	
Hungary 37	HNUMY	NTH	46.8	16.3	240	-	-	-	-	-	-	37	-	-	-	137 (6H)	-	-	-	-	-	-	0.11633	-	-	-	33, 34, 30	
Hungary 38	HNUMY	NT	46.7	16.4	407	-	-	-	-	-	-	4 (4N)	1	-	-	36	-	-	-	-	-	-	-	-	-	<0.00001	-	33, 34	
Hungary 39	NUMY	NT	46.7	16.4	198	-	-	1	-	-	-	6	-	-	-	13 (1T)	-	-	-	-	-	-	-	-	-	-	0.67389	34	
Hungary 40	HNUMY	T	45.8	17.8	98	-	-	-	-	-	-	-	-	-	-	-	-	1 (1T)	1 (1T)	-	-	-	-	-	-	-	<0.00001	34	
Italy 01	HNUMY	X	46.3	8.3	1868	-	-	-	5 (2X)	1	-	-	-	-	11	-	11 (9X)	-	-	2	-	-	-	0.00017	-	-	-	3	Balletto, Barbero, Casacci, Bonelli
Italy 02	HNUMY	H	45.9	8.5	850	-	-	-	-	-	-	-	1	-	-	16 (1H)	-	-	-	-	-	-	0.52998	-	-	-	-		Balletto, Barbero, Casacci, Bonelli
Italy 03	HNUMY	A	45.8	7.0	1603	-	-	-	52	26	83 (1A)	69	14	-	23	47	23	-	-	79 (2A)	-	-	-	-	0.34681	-	-	4, 19, 43	
Italy 04	HNUMY	TH	45.1	7.5	350	-	-	-	-	-	-	-	-	-	-	950 (13H, 23T)	-	-	-	-	-	-	0.50001	-	-	0.50001			Balletto, Barbero, Casacci, Bonelli
Italy 05	HNUMY	X	45.0	6.8	1969	-	-	-	10 (10X)	-	-	-	-	-	-	6	14 (4X)	-	-	-	-	-	-	<0.00001	-	-	-	3	Balletto, Barbero, Casacci, Bonelli
Italy 06	HNUMY	X	44.7	9.5	1029	-	-	-	-	-	-	-	-	-	-	12	18 (3X)	-	-	-	-	-	-	0.10028	-	-	-	3	Balletto, Barbero, Casacci, Bonelli
Italy 07	HNUMYB	A	44.4	7.6	450	-	-	-	-	-	-	-	-	10	77	222 (1A)	45	-	-	8	-	-	-	-	0.38003	-	-		Balletto, Barbero, Casacci, Bonelli
Italy 08	HNUMY	X	44.2	8.0	695	-	-	-	-	-	-	-	4	-	-	10	16 (6X)	-	-	-	-	-	-	0.00690	-	-	-	3	Balletto, Barbero, Casacci, Bonelli
Italy 09	HNUMY	A	42.9	11.9	1000	-	-	-	-	-	-	-	-	-	62 (3A)	92 (7A)	-	-	-	-	-	-	-	-	0.73815	-	-		Balletto, Barbero, Casacci, Bonelli
Italy 10	HNUMY	X	41.9	13.6	1669	-	-	-	-	-	-	-	-	-	8 (1X)	16	7 (2X)	-	-	-	-	-	-	0.02606	-	-	-	3	Balletto, Barbero, Casacci, Bonelli
Italy 11	HNUMY	X	41.5	14.4	1526	-	-	-	-	-	-	-	-	-	17 (7X)	6	12 (8X)	-	-	-	-	-	-	0.04684	-	-	-	3	Balletto, Barbero, Casacci, Bonelli
Italy 12	HNUMY	A	41.3	13.6	1220	-	-	-	-	-	-	-	-	-	11 (1A)	3	-	-	-	-	-	-	-	-	0.60736	-	-		Balletto, Barbero, Casacci, Bonelli

Anonymous site name	Information available*	*Maculinea* †	Latitude (°N)	Longitude (°E)	Altitude (m a.s.l.)	Number of nests of each *Myrmica* species examined (Number of nests with overwintered *Maculinea* †)																Probability that host *Myrmica* are exploited in the proportion encountered					Published data	Unpublished data providers
						aloba	*constricta*	*gallienii*	*lobicornis*	*lobulicornis*	*lonae*	*rubra*	*ruginodis*	*rugulosa*	*sabuleti*	*scabrinodis*	*schenckii*	*slovaca*	*specioides*	*sulcinodis*	*tullinae*	*vandeli*	*alcon H*	*alcon X*	*arion*	*nausithous*	*teleius*		
Italy 13	HNUMY	A	40.3	15.4	1000	-	-	-	-	-	-	-	-	-	1	-	1	-	36 (1A)	-	-	-	-	0.52712	-	-		Balletto, Barbero, Casacci, Bonelli
Lithuania01	HNUMY	X	55.1	23.4	50	-	-	-	-	-	4	-	-	3	6	-	4 (4X)	-	-	-	-	-	-	0.00020	-	-	-	26	Stankiewicz-Fiedurek, Sielezniew, Švitra
Lithuania02	UMY	X	55.1	23.4	60	-	-	-	-	-	1	2	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-		Stankiewicz-Fiedurek, Sielezniew, Švitra
Lithuania03	HNUMY	X	54.8	24.9	90	-	-	-	-	-	6	-	-	2	2	-	3 (2X)	-	-	-	-	-	-	0.01888	-	-	-		Sielezniew, Dziekańska, Švitra
Lithuania04	UMY	X	54.8	25.0	60	-	-	-	-	-	-	3	-	4	-	2	1	-	-	-	-	-	-	-	-	-	-		Stankiewicz-Fiedurek, Sielezniew, Švitra
Poland 01	HNUMY	H	53.6	22.8	110	-	-	107	-	-	-	8	-	-	-	28 (6H)	-	-	-	-	-	-	<0.000015	-	-	-	-	23	
Poland 02	NUMY	A	53.6	22.9	115	-	5	-	-	-	-	3	-	2	-	-	5	-	-	-	-	-	-	-	-	-	-		Sielezniew, Dziekańska, Stankiewicz-Fiedurek
Poland 03	HNUMY	H	53.6	22.7	110	-	-	-	-	-	-	6	3	-	-	10 (1H)	-	-	-	-	-	-	0.42134	-	-	-	-		Stankiewicz-Fiedurek, Sielezniew
Poland 04	HNUMY	A	53.5	22.6	115	-	6	-	13 (2A)	-	21 (1A)	-	19	3	27 (2A)	-	57 (2A)	-	-	-	-	-	-	-	0.15782	-	-	20	Sielezniew, Dziekańska
Poland 05	HNUMY	A	53.3	22.6	100	-	-	-	29 (6A)	-	2	4	3	-	68	66 (2A)	52 (3A)	-	-	-	-	-	-	-	0.00035	-	-	19	
Poland 06	HNUMY	N	53.3	18.4	25	-	-	-	-	-	-	39 (9N)	3	-	-	15	-	-	-	-	-	-	-	-	-	0.05697	-	25	
Poland 07	HNUMY	A	53.2	22.8	105	-	21 (3A)	-	-	-	-	-	-	21 (6A)	3	1	29 (2A)	-	-	-	-	-	-	-	0.06983	-	-	22	Sielezniew, Dziekańska
Poland 08	HNUMY	A	53.2	23.3	160	-	-	-	-	-	2	-	-	-	1	93	101 (10A)	-	-	-	-	-	-	-	0.00085	-	-	24	Sielezniew, Włostowski, Dziekańska
Poland 09	HNUMY	A	53.1	23.8	160	-	5	-	-	-	-	1	-	1	2	-	17 (2A)	-	-	-	-	-	-	-	0.79215	-	-		Sielezniew, Włostowski, Dziekańska
Poland 10	HNUMY	H	53.0	22.9	113	-	-	-	-	-	-	-	2	-	-	30 (10H)	8	-	-	-	-	-	0.14697	-	-	-	-	17	
Poland 11	HNUMY	H	52.7	16.8	50	-	-	-	-	-	-	-	4	-	-	4 (2H)	-	-	-	-	-	-	0.10585	-	-	-	-	23	
Poland 12	NUMY	A	52.6	23.4	180	-	1	-	1	-	1	1	-	2	1	-	11	-	-	-	-	-	-	-	-	-	-		Sielezniew, Dziekańska
Poland 13	HNUMY	T	52.4	21.0	90	-	-	-	-	-	-	33 (18T)	29 (1T)	-	-	40 (11T)	-	-	-	-	-	-	-	-	-	-	<0.00001	25	Stankiewicz-Fiedurek, Sielezniew
Poland 14	HNUMY	H	52.0	21.5	140	-	-	5	-	-	-	22	12	-	-	156 (44H)	-	-	-	-	-	-	0.15822	-	-	-	-	25, 23	
Poland 15	HNUMY	A	51.8	23.2	150	-	-	-	-	-	1	-	-	2	-	7	46 (7A)	-	-	-	-	-	-	-	0.88600	-	-	24	
Poland 16	HNUMY	NT	51.4	23.6	160	-	-	16 (2T)	-	-	-	14 (4N, 7T)	2	-	-	68 (10T)	-	-	-	-	-	-	-	-	-	0.00065	0.02740	43	
Poland 17	HNUMY	NTH	51.4	23.3	180	-	-	4	-	-	-	8	-	-	-	59 (2H)	-	-	-	-	-	-	0.65574	-	-	-	-	44	Witek, Nowicki
Poland 18	HNUMY	H	51.4	23.3	170	-	-	4	-	-	-	-	-	-	-	21 (7H)	-	-	-	-	-	-	0.87928	-	-	-	-	25	
Poland 19	MY	NTHA	51.3	23.3	180	-	-	-	-	-	-	30	1	-	-	35	-	-	-	-	-	-	-	-	-	-	-		Nowicki, Witek
Poland 20	HNUMY	T	51.3	23.3	180	-	-	6	-	-	-	18	1	-	-	123 (6T)	-	-	-	-	-	-	-	-	-	-	0.83870	43	
Poland 21	HNUMY	H	51.3	23.3	170	-	-	-	-	-	-	-	-	-	-	12 (12H)	-	-	-	-	-	-	<0.00001	-	-	-	-	23	
Poland 22	HNUMY	A	51.3	23.6	180	-	4 (1A)	-	-	-	-	4	2	1	3	-	16 (1A)	-	-	-	-	-	-	-	0.39397	-	-	19	
Poland 23	HNUMY	X	51.2	23.2	180	-	-	10				6	2			90 (2X)	-	-	-	-	-	-	-	0.65343	-	-	-	43	
Poland 24	MYQY	NTH	51.2	23.6	170	-	-	4	-	-	-	1	-	-	-	34 (1H)	-	-	-	-	-	-	-	-	-	-	-		Stankiewicz-Fiedurek, Sielezniew
Poland 25	HNUMY	H	51.1	20.7	315	-	-	-	-	-	-	-	-	-	-	58 (13H)	-	-	-	-	-	-	0.50001	-	-	-	-	23	
Poland 26	HNUMY	H	51.0	20.7	350	-	-	-	-	-	-	-	26	-	-	101 (45H)	-	-	-	-	-	23 (12H)	<0.00001	-	-	-	-	21, 23	Stankiewicz-Fiedurek, Sielezniew
Poland 27	HNUMY	H	50.8	20.7	350	-	-	-	-	-	-	-	-	-	-	67 (17H)	-	-	-	-	-	17 (8H)	0.04941	-	-	-	-	21	
Poland 28	HNUMY	A	50.8	20.7	245	-	1 (1A)	-	-	-	3	-	14	-	8	-	23 (1A)	-	-	-	-	-	-	-	0.04255	-	-		Sielezniew, Dziekańska
Poland 29	HNUMY	H	50.6	23.8	170	-	-	-	-	-	-	-	-	-	-	9 (4H)	-	-	-	-	-	-	0.50001	-	-	-	-	23	
Poland 30	HNUMY	H	50.6	19.0	309	-	-	18	-	-	-	16 (2T)	1	-	-	98 (2H, 3T)	-	-	-	-	-	-	0.72875	-	-	-	0.09839	44	Witek, Woyciechowski
Poland 31	HNUMY	H	50.6	23.3	260	-	-	-	-	-	-	-	-	-	-	13 (6H)	-	-	-	-	-	-	0.50001	-	-	-	-	23	
Poland 32	HNUMY	NTH	50.4	19.4	330	-	-	-	-	-	-	2 (1T)	-	-	-	15 (5H, 1T)	-	-	-	-	-	-	0.75715	-	-	-	0.11881	23	Stankiewicz-Fiedurek, Sielezniew
Poland 33	HNUMY	NT	50.4	19.4	330	-	-	-	1	-	-	46 (14N, 15T)	-	-	-	3	-	-	-	-	-	-	-	-	-	0.54437	0.56561		Stankiewicz-Fiedurek, Sielezniew
Poland 34	HNUMY	A	50.4	19.5	360	-	-	-	1	-	8	1	-	-	22 (2A)	-	16	-	-	-	-	-	-	-	0.16830	-	-	19	
Poland 35	HNUMY	NTH	50.0	19.9	220	-	-	-	-	-	-	395 (20N, 53T)	329 (2N, 56T)	40(6T)	-	1652 (29H, 2N, 179T)	-	-	-	-	6 (1N, 2T)	-	0.00932	-	-	<0.00001	0.01971	44, 43	Witek, Woyciechowski
Poland 36	HNUMY	A	49.8	22.5	250	-	-	-	-	-	-	1	-	-	38	10 (1A)	2	-	-	-	-	-	-	-	0.15759	-	-	19	
Poland 37	MYQ	NT	49.8	21.7	300	-	-	-	-	-	-	2	-	-	-	10	-	-	-	-	-	-	-	-	-	-	-		Stankiewicz-Fiedurek, Sielezniew
Poland 38	HNUMY	N	49.8	22.9	200	-	-	-	-	-	-	1	-	-	-	12 (1T)	-	1	-	-	-	-	-	-	-	-	0.57023		Stankiewicz-Fiedurek, Sielezniew
Poland 39	HNUMY	X	49.8	22.8	300	-	-	-	-	-	-	4	-	-	64 (40X)	93 (28X)	54	-	-	-	-	-	-	<0.00001	-	-	-	27	Sielezniew, Stankiewicz-Fiedurek
Poland 40	MYQ	H	49.7	21.4	320	-	-	-	-	-	-	1	2	-	-	11 (1H)	-	-	-	-	-	-	-	-	-	-	-		Stankiewicz-Fiedurek, Sielezniew
Poland 41	NUMY	A	49.5	22.3	315	-	-	-	-	-	-	-	-	-	4	2	5	-	-	-	-	-	-	-	-	-	-		Sielezniew, Dziekańska
Poland 42	HNUMY	A	49.5	20.3	730	-	-	-	7	-	-	-	-	7	120 (4A)	4	37	-	-	-	-	-	-	-	0.89193	-	-	19	
Poland 43	MY	XA	49.4	20.4	515	-	-	-	-	-	-	6	2	80	11	33	5 (4X)	-	-	-	-	-	-	0.00005	-	-	-	18	Nowicki, Witek, Sielezniew, Dziekańska

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						aloba	*constricta*	*gallienii*	*lobicornis*	*lobulicornis*	*lonae*	*rubra*	*ruginodis*	*rugulosa*	*sabuleti*	*scabrinodis*	*schencki*	*slovaca*	*specioides*	*sulcinodis*	*tullinae*	*vandeli*	*alcon H*	*alcon X*	*arion*	*nausithous*	*teleius*		
Poland 44	HNUMY	X	49.4	22.1	580	-	-	-	-	-	-	8	-	14 (1X)	1 (1X)	-	5	-	-	-	-	-	-	0.03148	-	-	-	26	
Poland 45	HNUMY	X	49.3	22.1	590	-	-	-	-	-	-	13	-	-	12 (7X)	-	8	-	-	-	-	-	-	0.00013	-	-	-		Sielezniew, Dziekańska
Poland 46	HNUMY	X	49.3	22.1	530	-	-	-	-	-	-	4	-	-	8 (3X)	-	4 (1X)	-	-	-	-	-	-	0.21190	-	-	-		Sielezniew, Dziekańska
Poland 47	NUMY	X	46.4	25.8	810	-	1	-	-	-	-	1	1	3	7	-	1	-	-	-	-	-	-	-	-	-	-		Stankiewicz-Fiedurek, Sielezniew
Portugal 01	NUMY	H	41.4	-7.8	895	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2, 31	
Portugal 02	NUMY	H	41.4	-7.8	982	16	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2, 31	
Portugal 03	NUMY	H	41.4	-7.8	1000	3	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2, 31	
Portugal 04	HNUMY	H	41.4	-7.8	975	51 (18H)	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	0.49412	-	-	-	-	2, 31, 47	
Romania 01	HNUMY	TH	46.9	23.4	480	-	-	-	-	-	-	-	-	-	-	38 (7H,2T)	-	-	-	-	-	27 (2H, 1T)	0.11812	-	-	-	0.41189	29, 34	
Romania 02	HNUMY	T	46.9	23.6	626	-	-	-	-	-	-	-	-	-	-	18 (1T)	-	1	-	-	-	-	-	-	-	-	0.52595		Czekes
Romania 03	HNUMY	NT	46.9	23.6	540	-	-	-	-	-	-	-	-	-	-	58 (1T)	-	-	-	-	-	-	-	-	-	-	0.50001	34, 32	
Romania 04	HNM	XA	46.8	25.8	960	-	-	-	-	-	4	-	-	-	6 (3X)	-	-	-	-	-	-	-	-	0.08387	-	-	-		Csősz, Peregovits
Romania 05	HNM	H	46.8	25.6	800	-	-	-	-	-	-	16	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-		Csősz, Peregovits
Romania 06	HNM	H	46.8	25.5	730	-	-	-	-	-	-	-	-	-	-	6 (1H)	-	-	-	-	-	-	0.50001	-	-	-	-		Csősz, Peregovits
Romania 07	HNUMY	T	46.7	23.5	564	-	-	-	-	-	-	-	-	-	-	25 (1T)	-	-	-	-	-	-	-	-	-	-	0.50001		Czekes
Romania 08	HNM	H	46.6	25.6	730	-	-	-	-	-	-	-	-	-	-	18 (2H)	1	-	-	-	-	2	0.50001	-	-	-	-		Csősz, Peregovits, Tartally
Romania 09	HNUMY	TXA	46.6	23.4	435	-	-	-	-	-	-	-	-	-	10 (5X)	30 (1X)	11 (2X)	-	-	-	-	-	-	0.00224	-	-	-	29, 30, 34	Czekes, Tartally
Romania 10	HNUMY	NTH	46.6	23.4	435	-	-	-	-	-	-	-	-	-	1	80 (9H, 2N, 13T)	7	2	-	-	-	-	0.50001	-	-	0.50001	0.50001	29, 30, 34	Czekes, Tartally
Romania 11	MB	TA	46.6	23.4	436	-	-	-	-	-	-	-	-	-	2	32	13	2	-	-	-	-	-	-	-	-	-		Czekes
Romania 12	HNUMY	XA	46.4	23.5	715	-	-	-	-	-	1	-	-	-	8 (2X)	1	3	-	-	-	-	-	-	0.82118	-	-	-	32	
Romania 13	MY	X	46.4	25.8	810	-	-	-	-	-	-	-	-	-	2	-	1	-	-	-	-	-	-	-	-	-	-		Csősz, Peregovits
Romania 14	MY	H	46.3	25.6	920	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-	-	-	-	-	-	-	-		Csősz, Peregovits
Romania 15	HNUMYBQ	XA	46.2	25.5	580	-	-	-	-	-	-	-	-	-	35 (3X)	18	25 (3X)	-	2	-	-	-	-	0.11133	-	-	-		Csősz, Peregovits
Romania 16	MY	XA	45.6	25.8	650	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-		Csősz, Peregovits
Slovakia 01	HNUMY	T	48.8	17.5	516	-	-	-	-	-	-	-	-	-	-	115 (4T)	-	-	-	-	-	-	-	-	-	-	0.50001	44	Witek, Woyciechowski
Slovakia 02	HNUMY	NT	48.8	17.7	273	-	-	-	-	-	-	78 (2N, 2T)	2	-	-	26	-	-	-	-	-	-	-	-	-	0.30778	0.30811	44	Witek, Woyciechowski
Slovakia 03	UMY	X	48.7	20.8	900	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-		Tartally
Spain 01	HNUMY	X	42.7	-0.3	1429	-	-	-	-	-	-	-	2	-	9	4	4 (3X)	-	-	-	-	-	-	0.00204	-	-	-	37, 36, 5, 35	Thomas, Elmes
Spain 02	HNUMY	X	42.7	-0.3	1331	-	-	-	-	-	-	-	27	-	60	24	23 (21X)	-	-	-	-	-	-	<0.00001	-	-	-	37, 36, 5, 35	Thomas, Elmes
Spain 03	HNUMY	X	42.7	-0.3	1301	-	-	-	-	-	-	-	-	-	8	-	7 (6X)	-	-	-	-	-	-	0.00074	-	-	-	37, 36, 5, 35	Thomas, Elmes
Spain 04	HNUMY	H	42.4	-3.3	327	-	-	-	-	-	-	-	-	-	6	9 (5H)	-	-	-	-	-	-	0.02114	-	-	-	-	36, 5, 35	Munguira
Spain 05	HNUMY	N	41.9	-2.8	1154	-	-	-	-	-	-	8 (3N)	-	-	-	6	-	-	-	-	-	-	-	-	-	0.07689	-	37, 36, 5, 35	Thomas, Elmes
Spain 06	HNUMY	H	41.8	-2.8	1100	4	-	-	-	-	-	17 (1N)	4	-	12	36 (8H)	-	-	-	-	-	-	0.01378	-	-	0.71713	-	37, 36, 5, 35	Munguira
Spain 07	HN	N	40.9	-3.9	1140	-	-	-	-	-	-	-	-	-	-	2 (2N)	-	-	-	-	-	-	-	-	-	-	-		Munguira
Sweden 01	MB	A	59.4	17.2	32	-	-	-	-	-	-	-	2	-	6	3	16	-	-	-	-	-	-	-	-	-	-		Nielsen
Sweden 02	MB	A	59.4	17.2	20	-	-	-	-	-	-	-	-	-	7	7	6	-	-	-	-	-	-	-	-	-	-		Nielsen
Sweden 03	MB	A	59.4	17.2	20	-	-	-	-	-	-	-	2	-	2	6	5	-	-	-	-	-	-	-	-	-	-		Nielsen
Sweden 04	MB	A	59.4	17.2	20	-	-	-	-	-	-	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-		Nielsen
Sweden 05	MB	A	58.6	13.4	185	-	-	-	-	-	-	-	-	-	4	1	4	-	-	1	-	-	-	-	-	-	-		Nielsen
Sweden 06	MB	A	58.3	13.7	185	-	-	-	-	-	-	-	2	-	-	1	8	-	-	-	-	-	-	-	-	-	-		Nielsen
Sweden 07	MB	A	58.2	13.7	185	-	-	-	-	-	-	-	1	-	-	-	7	-	-	-	-	-	-	-	-	-	-		Nielsen
Sweden 08	HNUMY	H	58.0	13.0	132	-	-	-	-	-	-	3	13 (2H)	-	-	13	-	-	-	-	-	-	0.19997	-	-	-	-		Nash
Sweden 09	HN	A	58.0	19.2	10	-	-	-	-	-	3 (3A)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		Nielsen
Sweden 10	HNUMY	H	57.8	12.2	113	-	-	-	-	-	-	2	9 (1H)	-	-	1	-	-	-	-	-	-	0.62422	-	-	-	-	15	Nash
Sweden 11	MB	A	57.7	18.7	46	-	-	-	-	-	2 (2A)	-	-	-	14	-	4	-	-	-	-	-	-	-	-	-	-		Nielsen
Sweden 12	MB	A	57.7	18.7	48	-	-	-	-	-	-	-	1	-	3	-	2	-	-	-	-	-	-	-	-	-	-		Nielsen
Sweden 13	MB	A	57.6	18.2	61	-	-	-	-	-	-	-	-	-	20	-	1	-	-	-	-	-	-	-	-	-	-		Nielsen
Sweden 14	MB	A	57.5	18.1	4	-	-	-	-	-	-	-	-	-	18	-	23	-	-	-	-	-	-	-	-	-	-		Nielsen

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						aloba	*constricta*	*gallienii*	*lobicornis*	*lobulicornis*	*lonae*	*rubra*	*ruginodis*	*rugulosa*	*sabuleti*	*scabrinodis*	*schencki*	*slovaca*	*specioides*	*sulcinodis*	*tullinae*	*vandeli*	*alcon H*	*alcon X*	*arion*	*nausithous*	*teleius*		
Sweden 15	MB	A	57.4	18.6	52	-	-	-	-	-	-	-	-	-	2	2	2	-	-	-	-	-	-	-	-	-		Nielsen
Sweden 16	MB	A	57.4	18.9	33	-	-	-	-	-	-	-	-	-	16	-	13	-	-	-	-	-	-	-	-	-		Nielsen
Sweden 17	MB	A	57.4	18.9	6	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-		Nielsen
Sweden 18	MB	A	57.3	18.6	47	-	-	-	-	-	-	-	-	-	5	-	5	-	-	-	-	-	-	-	-	-		Nielsen
Sweden 19	MB	A	57.3	18.4	39	-	-	-	-	-	11 (11A)	-	-	-	39	-	4	-	-	-	-	-	-	-	-	-		Nielsen
Sweden 20	MB	A	57.2	18.7	6	-	-	-	-	-	-	-	-	-	10	-	29	-	-	-	-	-	-	-	-	-		Nielsen
Sweden 21	MB	A	56.6	13.1	153	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-		Nielsen
Sweden 22	HNUMY	A	56.5	16.5	38	-	-	-	-	-	-	-	-	-	12 (4A)	4	-	-	-	-	-	-	-	-	0.86405	-	-	37, 36, 38, 5, 35	Thomas, Elmes
Sweden 23	NUMY	H	55.7	13.5	26	-	-	-	-	-	-	34 (15H)	18	-	-	14	-	-	-	-	-	-	0.50001	-	-	-	-	15	Nash, Thomas
Sweden 24	HNUMY	H	55.5	13.4	62	-	-	-	-	-	-	18 (4H)	-	-	-	14	-	-	-	-	-	-	0.04271	-	-	-	-	15	Nash, Thomas
Switzerland 01	HN	X	46.9	9.0	1001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1 (1X)	-	-	-	-	-	-	-	10, 11	
Switzerland 02	MB	NT	46.5	6.3	775	-	-	-	-	-	-	34	6	-	-	3	-	-	2	-	-	-	-	-	-	-	-	9	
Switzerland 03	MB	NT	46.5	6.3	775	-	-	-	-	-	-	36	11	-	2	5	-	-	-	-	-	-	-	-	-	-	-	9	
Switzerland 04	MB	T	46.4	6.2	530	-	-	-	-	-	-	36	18	-	4	36	-	-	1	-	-	-	-	-	-	-	-	9	
Switzerland 05	MB	TH	46.4	6.2	560	-	-	-	-	-	-	-	9	-	2	22	-	-	4	-	-	-	-	-	-	-	-	9	
Switzerland 06	MB	T	46.4	6.2	645	-	-	-	-	-	-	23	15	-	4	34	-	-	2	-	-	-	-	-	-	-	-	9	
Switzerland 07	MB	NT	46.4	6.1	580	-	-	-	-	-	3	2	2	-	13	14	-	-	-	-	-	-	-	-	-	-	-	9	
Switzerland 08	H	X	46.3	7.1	1461	-	-	-	-	-	-	-	-	-	-	1 (1X)	-	-	-	-	-	-	-	-	-	-	-	12	
The Netherlands 01	HNUMY	H	52.0	5.5	22	-	-	-	-	-	-	1 (1H)	6 (4H)	-	-	2	-	-	-	-	-	-	0.10700	-	-	-	-	37, 36, 5, 35	Thomas, Elmes
The Netherlands 02	HNUMY	H	52.0	6.7	33	-	-	-	-	-	13	-	30 (3H)	-	-	43	-	-	-	-	-	-	0.02024	-	-	-	-	37, 36, 5, 35	Thomas, Elmes
The Netherlands 03	HMYB	NT	51.7	5.3	2	-	-	-	-	-	-	75	39	2	14	229	-	-	1	-	-	-	-	-	-	-	-	45, 46, 48, 40	Wynhoff
The Netherlands 04	HNUMY	H	51.5	5.5	10	-	-	-	-	-	-	-	1 (1H)	-	-	1	-	-	-	-	-	-	0.50001	-	-	-	-	37, 36, 5, 35	Thomas, Elmes
The Netherlands 05	HMYB	N	51.1	6.0	4	-	-	-	-	-	-	52	16	-	-	45	-	-	-	-	-	-	-	-	-	-	-	8	Wynhoff
UK 01	HNUMY	A	51.7	-2.1	174	-	-	-	-	-	-	-	5	-	20 (4A)	2	-	-	-	-	-	-	-	-	0.86144	-	-	37, 36, 38, 5, 35	Thomas, Elmes
UK 02	HNUMY	A	51.1	-2.7	12	-	-	-	-	-	-	-	-	-	12 (4A)	-	-	-	-	-	-	-	-	-	0.50001	-	-	37, 36, 38, 5, 35	Thomas, Elmes
UK 03	HNUMY	A	51.1	-2.7	13	-	-	-	-	-	-	-	5	-	23 (13A)	6	-	-	-	-	-	-	-	-	0.01091	-	-	37, 36, 38, 5, 35	Thomas, Elmes
UK 04	HNUMY	A	50.5	-3.8	153	-	-	-	1	-	-	-	8	-	191 (51A)	94 (3A)	-	-	-	-	-	-	-	-	1.00000	-	-	37, 36, 38, 5, 35	Thomas, Elmes
Ukraine 01	HNUMY	T	49.9	23.9	215	-	-	1	-	-	-	9 (1T)	30 (2T)	-	-	66	-	-	-	-	-	-	-	-	-	-	0.01964	44	Witek, Woyciechowski
Ukraine 02	HNUMY	T	49.4	23.9	262	-	-	14 (1T)	-	-	-	17 (2T)	-	-	-	75 (7T)	-	-	-	-	-	-	-	-	-	-	0.42874	44	Witek, Woyciechowski
Ukraine 03	HNUMY	NT	48.2	25.8	540	-	-	-	-	-	-	5 (1N)	-	-	-	18	-	-	-	-	-	-	-	-	-	0.10882	-	44	Witek, Woyciechowski

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