

Table S3. MLGs details (persistence, size) with probabilities (P_{sex} and P_{gen}) and detailed mating-type [MT] at truffle ground scale for a. SG1, b. SG2, c. PG1, d. PG2.

a. SG1

MLG	Nb. ascocarps	P_{sex}	Significance	Level	P_{gen}	MT	Nb. brûlés	Nb. seasons	Max. distance (m)
1	1	-	-	-	2.41836e-009	2	1	1	-
2	1	-	-	-	7.39131e-009	1	1	1	-
3	1	-	-	-	2.18603e-005	1	1	1	-
4	1	-	-	-	3.79398e-005	1	1	1	-
5	1	-	-	-	3.62536e-005	1	1	1	-
6	1	-	-	-	3.80869e-005	1	1	1	-
7	3	2.82527e-007	0.00560538	**	7.9726e-005	2	1	2	8.380483
8	1	-	-	-	1.81195e-006	1	1	1	-
9	1	-	-	-	1.72385e-007	2	1	1	-
10	2	7.87937e-008	0.00336323	**	2.63805e-006	2	1	1	10.470912
11	2	0.00259443	0.652466	ns	0.000490399	1	1	2	4.472136
12	2	2.45373e-005	0.0941704	ns	4.66553e-005	2	1	1	4.167733
13	1	-	-	-	0.000276504	2	1	1	-
14	1	-	-	-	0.000393486	2	1	1	-
15	1	-	-	-	2.1352e-005	1	1	1	-
16	16	3.44169e-015	0	***	0.000306045	2	5	2	168.480414
17	4	3.24347e-007	0.00560538	**	0.000357052	1	2	1	176.116559
18	1	-	-	-	2.36078e-006	2	1	1	-
19	1	-	-	-	2.12896e-005	1	1	1	-
20	1	-	-	-	0.000151477	1	1	1	-
21	1	-	-	-	2.79948e-007	1	1	1	-
22	1	-	-	-	7.19866e-007	1	1	1	-
23	11	0	0	***	1.35746e-005	2	3	2	59.554218
24	1	-	-	-	1.84152e-007	1	1	1	-
25	1	-	-	-	9.02343e-006	1	1	1	-
26	1	-	-	-	1.0558e-005	2	1	1	-
27	1	-	-	-	0.000146493	1	1	1	-
28	2	4.04651e-007	0.00560538	**	5.97929e-006	2	1	2	10.404384
29	1	-	-	-	3.27132e-007	1	1	1	-
30	1	-	-	-	4.92333e-005	1	1	1	-
31	1	-	-	-	9.77586e-008	1	1	1	-
32	8	3.88578e-015	0	***	4.79017e-006	1	2	2	144.905831
33	1	-	-	-	9.00288e-007	2	1	1	-
34	1	-	-	-	2.66906e-010	2	1	1	-
35	1	-	-	-	1.6591e-006	1	1	1	-
36	1	-	-	-	1.5485e-005	2	1	1	-
37	5	8.43769e-015	0	***	2.70987e-005	1	1	2	16.920106
38	1	-	-	-	2.77289e-005	1	1	1	-
39	1	-	-	-	0.000596171	2	1	1	-
40	2	3.23353e-006	0.029148	*	1.69116e-005	2	1	1	2.102380
41	1	-	-	-	1.9654e-005	2	1	1	-

42	1	-	-	-	4.79923e-005	2	1	1	-
43	1	-	-	-	0.000336302	2	1	1	-
44	1	-	-	-	2.21702e-005	1	1	1	-
45	1	-	-	-	2.73724e-006	2	1	1	-
46	29	0	0	***	0.000305018	1	2	2	80.695043
47	1	-	-	-	0.000203345	2	1	1	-
48	1	-	-	-	5.33456e-006	1	1	1	-
49	1	-	-	-	0.000100595	2	1	1	-
50	3	9.14294e-011	0	***	5.45862e-006	1	1	1	11.443465
51	3	1.42908e-012	0	***	1.36466e-006	1	1	2	12.100417
52	1	-	-	-	1.36466e-006	1	1	1	-
53	1	-	-	-	0.00013692	1	1	1	-
54	1	-	-	-	9.12803e-005	1	1	1	-
55	1	-	-	-	3.65799e-005	2	1	1	-
56	8	1.77636e-015	0	***	2.43157e-005	1	1	2	9.570397
57	1	-	-	-	0.000286745	2	1	1	-
58	1	-	-	-	2.49833e-005	2	1	1	-
59	1	-	-	-	9.61757e-006	2	1	1	-
60	1	-	-	-	3.85474e-007	2	1	1	-
61	1	-	-	-	1.72219e-006	1	1	1	-
62	2	3.13465e-011	0	***	5.26148e-008	2	1	1	5.978202
63	1	-	-	-	1.05579e-006	2	1	1	-
64	1	-	-	-	1.2604e-006	1	1	1	-
65	1	-	-	-	3.26805e-005	1	1	1	-

*** PValue(0.01)= 8.87913e-007, significance level= 0.00896861

** PValue(0.05)= 6.94306e-006, significance level= 0.0493274

* PValue(0.10)= 2.87916e-005, significance level= 0.0986547

b. SG2

MLG	Nb. ascocarps	P_{sex}	Significance	Level	P_{gen}	MT	Nb. brûlés	Nb. seasons	Max. distance (m)
1	2	6.09118e-007	0.00344234	**	1.76667e-005	2	2	1	3.9
2	1	-	-	-	9.88106e-006	2	1	1	-
3	1	-	-	-	0.000130091	1	1	1	-
4	5	2.13947e-011	0	***	0.000314789	1	2	2	4.8
5	3	4.60652e-007	0.00172117	**	0.000227143	1	2	2	7
6	4	3.44169e-015	0	***	5.67858e-006	1	1	1	2
7	3	0.000376176	0.230637	ns	0.00218626	2	1	2	3.8
8	1	-	-	-	2.23594e-005	1	1	1	-
9	2	5.81312e-005	0.0688468	ns	0.000173134	1	1	1	0.3
10	1	-	-	-	4.1643e-005	2	1	1	-
11	24	1.22125e-015	0	***	2.57639e-007	2	4	2	37.9
12	2	5.87566e-007	0.00344234	**	1.73512e-005	2	1	1	0.1
13	3	4.45539e-006	0.00860585	**	0.000485834	2	1	1	0.4

14	3	1.80118e-005	0.0292599	*	0.000777335	1	1	2	2.6
15	1	-	-	-	0.000999431	2	1	1	-
16	1	-	-	-	0.000483675	1	1	1	-
17	5	2.13799e-010	0	***	0.000499715	2	1	2	1.7
18	1	-	-	-	2.27712e-007	2	1	1	-

*** PValue(0.01)= 4.81195e-006, significance level= 0.00860585

** PValue(0.05)= 3.28777e-005, significance level= 0.0481928

* PValue(0.10)= 7.65261e-005, significance level= 0.0981067

c. PG1

MLG	Nb. ascocarps	P_{sex}	Significance	Level	P_{gen}	MT	Nb. brûlés	Nb. seasons	Max. distance (m)
1	1	-	-	-	4.87959e-005	2	1	1	-
2	3	8.38818e-009	0	***	4.50684e-005	2	1	2	0.19
3	1	-	-	-	9.32249e-006	1	1	1	-
4	1	-	-	-	0.000136341	2	1	1	-
5	4	0	0	***	2.62942e-006	1	1	2	0.62
6	16	0	0	***	2.79862e-005	1	4	2	54.17
7	4	0	0	***	2.02663e-008	1	1	2	0.56
8	1	-	-	-	6.09948e-006	2	1	1	-
9	4	0	0	***	4.83971e-006	1	1	2	0.55
10	12	0	0	***	7.1317e-005	1	1	2	2.01
11	1	-	-	-	0.000213951	1	1	1	-
12	3	7.42033e-009	0	***	4.32622e-005	2	1	2	0.54
13	1	-	-	-	0.000196122	2	1	1	-
14	1	-	-	-	0.000789973	1	1	1	-
15	3	0.000157734	0.11985	ns	0.00122707	2	1	1	0.49
16	3	2.89382e-009	0	***	3.16002e-005	2	1	1	1.61
17	3	9.25648e-010	0	***	2.1607e-005	1	1	2	0.41
18	1	-	-	-	9.34912e-005	2	1	1	-
19	1	-	-	-	1.17033e-005	1	1	1	-
20	1	-	-	-	0.000128736	1	1	1	-
21	1	-	-	-	1.01658e-006	2	1	1	-
22	3	1.13849e-010	0	***	1.0743e-005	1	1	2	0.5
23	3	1.44329e-015	0	***	3.6205e-007	2	1	2	0.3
24	1	-	-	-	1.50141e-005	2	1	1	-
25	1	-	-	-	5.56405e-005	1	1	1	-
26	1	-	-	-	9.14706e-005	1	1	1	-
27	1	-	-	-	8.27984e-009	2	1	1	-
28	2	2.37699e-007	0.00499376	**	8.35951e-006	1	1	1	1.68
29	5	1.24489e-012	0	***	0.0001341	1	1	2	0.85

*** PValue(0.01)= 1.14984e-006, significance level= 0.00873908

** PValue(0.05)= 1.43405e-005, significance level= 0.0486891

* PValue(0.10)= 8.3982e-005, significance level= 0.0986267

d. PG2

MLG	Nb. ascocarps	P_{sex}	Significance	Level	P_{gen}	MT	Nb. brûlés	Nb. seasons	Max. distance (m)
1	2	1.41547e-006	0.00284765	**	2.87782e-005	2	1	1	0.6
2	1	-	-	-	4.03776e-005	1	1	1	-
3	3	1.09422e-009	0	***	3.2302e-005	1	1	1	1
4	1	-	-	-	1.87514e-005	2	1	1	-
5	1	-	-	-	0.000166028	2	1	1	-
6	4	0.000879538	0.1215	ns	0.00717241	2	1	2	3.2
7	1	-	-	-	0.000170772	2	1	1	-
8	6	1.29871e-007	0.000949217	***	0.00388506	2	1	1	2.9
9	2	8.51439e-006	0.00711913	**	7.06374e-005	2	1	1	2
10	8	1.44329e-015	0	***	0.000126572	2	1	2	3.4
11	1	-	-	-	0.00168763	2	1	1	-
12	1	-	-	-	7.67103e-005	2	1	1	-
13	1	-	-	-	0.00152627	1	1	1	-
14	1	-	-	-	0.00143448	2	1	1	-
15	4	3.5024e-011	0	***	9.3757e-005	2	1	1	1.7
16	1	-	-	-	0.000363398	1	1	1	-
17	1	-	-	-	0.00034688	1	1	1	-
18	9	7.82002e-010	0	***	0.00763136	1	1	2	7.2
19	4	2.30949e-006	0.00379687	**	0.00152627	1	1	1	1.9
20	1	-	-	-	0.000381568	1	1	1	-
21	1	-	-	-	0.00228941	1	1	1	-
22	2	0.00441458	0.226388	ns	0.00165749	1	1	1	2.5
23	1	-	-	-	0.000126572	2	1	1	-
24	1	-	-	-	0.000508757	1	1	1	-
25	1	-	-	-	2.60436e-006	2	1	1	-

*** PValue(0.01)= 1.55912e-005, significance level= 0.00949217

** PValue(0.05)= 0.000267587, significance level= 0.0493593

* PValue(0.10)= 0.000623119, significance level= 0.0996678