

Table S1. Response of electronic nose sensors

Sample	Group	S1	S2	S3	S4	S5	S6	S7
1	PRE	0.0024428	0.0021955	0.0033511	0.0032343	0.114851	0.0402226	0.0020014
2	PRE	0.0042512	0.0035428	0.0051434	0.0047103	0.10511	0.0269877	0.0020756
3	PRE	-0.0025148	0.0021356	0.0034348	0.0031438	0.0942646	0.0315579	0.0018616
4	PRE	0.0035306	0.0030548	0.0046347	0.0043872	0.115895	0.0402137	0.002401
5	PRE	0.0041839	0.0036333	0.005518	0.005188	0.141582	0.0492285	0.0027581
6	PRE	0.019671	0.0131907	0.0198241	0.0163274	0.0833561	0.0287294	0.0038749
7	PRE	0.0101632	0.0072322	0.0111028	0.009233	0.0870977	0.0312468	0.0025861
8	PRE	0.0138551	0.0097402	0.0146364	0.0121483	0.0844993	0.0285195	0.003182
9	PRE	0.0040872	0.003198	0.0049543	0.0043298	0.0716463	0.0245497	0.0017441
10	PRE	0.0273161	0.0182228	0.0270026	0.0221716	0.132779	0.0320619	0.004868
11	PRE	0.0184215	0.0131981	0.018927	0.0162083	0.156018	0.043759	0.0042643
12	PRE	0.0069126	0.0054664	0.0079407	0.007093	0.115429	0.0402723	0.0026552
13	PRE	0.0046225	0.0036944	0.0055698	0.0050206	0.096915	0.0387765	0.0019345
14	PRE	-0.0147527	-0.0085277	-0.0135016	-0.0103458	0.0235799	0.0147444	-0.0012165
15	PRE	0.002689	0.0022967	0.0036229	0.0033052	0.105139	0.0347706	0.0020331
16	PRE	0.0030356	0.0025714	0.003982	0.0037514	0.120031	0.0316764	0.0018953
17	PRE	0.010253	0.0078549	0.0112187	0.009925	0.117923	0.0349769	0.0031436
18	PRE	0.003837	0.003182	0.0048389	0.0044835	0.0924916	0.0267581	0.001795
19	PRE	-0.0024206	0.0027116	0.004104	0.0038739	0.103756	0.0260387	0.001862
20	PRE	0.0047905	0.0038282	0.0057918	0.0052953	0.110975	0.0258638	0.0022834
21	PRE	0.011957	0.0090681	0.0127008	0.011335	0.131013	0.0275863	0.0033681
22	PRE	-0.003888	0.001873	-0.0023541	0.0027024	0.0996118	0.0218271	0.0015724
23	PRE	0.0028227	0.002626	0.0038827	0.0036936	0.127697	0.0266227	0.0019729
24	PRE	-0.0025642	0.002104	0.0030887	0.0029628	0.129716	0.0268386	0.0017697
25	PRE	0.0055119	0.0047074	0.0068734	0.0065581	0.157365	0.0642475	0.0029358
26	TEM	0.0666647	0.0395294	0.0636977	0.0502508	0.095327	0.0511326	0.0095784
27	TEM	0.291896	0.180545	0.307194	0.243312	0.14168	0.066957	0.0354303
28	TEM	0.198774	0.130496	0.207971	0.167767	0.135217	0.0690564	0.0270241
29	TEM	0.0240999	0.0181188	0.0260539	0.0228565	0.100949	0.0606113	0.0054472
30	TEM	0.0086913	0.0061084	0.0088628	0.0074472	0.0037393	0.0034068	0.001515
31	TEM	0.149669	0.0987622	0.155793	0.126002	0.117792	0.064046	0.0210196
32	TEM	0.021728	0.0162264	0.0233747	0.0199293	0.0746224	0.0430505	0.0044658
33	TEM	0.28474	0.194215	0.313159	0.254188	0.193533	0.0838258	0.0395399
34	TEM	0.18797	0.129061	0.200706	0.164362	0.184708	0.0917563	0.0266991
35	TEM	0.0366758	0.0268544	0.0393508	0.0338888	0.149679	0.0905743	0.0072111
36	TEM	0.0579222	0.0405441	0.060503	0.0510905	0.170076	0.105241	0.0097765
37	TEM	0.243315	0.165966	0.264666	0.213394	0.188865	0.11116	0.0342385
38	TEM	0.0382352	0.0279325	0.0404721	0.0352729	0.155214	0.109546	0.0079244
39	TEM	0.0785118	0.0543423	0.0812549	0.06832	0.160145	0.109442	0.0138776
40	TEM	0.147682	0.0996445	0.155163	0.126463	0.171971	0.112713	0.0224046
41	TEM	0.0291819	0.0217526	0.0311743	0.0272823	0.138068	0.0871576	0.0064104

42	TEM	0.0243064	0.0181418	0.0261808	0.0229417	0.123134	0.0866856	0.006072
43	TEM	0.0631716	0.0430699	0.0634426	0.0532442	0.119804	0.0847267	0.0110601
44	TEM	0.0290733	0.0210823	0.0298267	0.0260492	0.109845	0.0782631	0.006311
45	TEM	0.0234886	0.0173358	0.0243546	0.0214648	0.106764	0.074004	0.005184
46	TEM	0.02401	0.0175269	0.0248382	0.0219141	0.127644	0.0792413	0.00561
47	TEM	0.0203757	0.0145769	0.0207421	0.0181324	0.0649357	0.0465074	0.0047052
48	TEM	0.0822041	0.0539684	0.0821738	0.0675325	0.140923	0.0862472	0.0140871
49	TEM	0.0193168	0.0140511	0.020013	0.0177053	0.0749278	0.0528953	0.0048724
50	TEM	0.0230661	0.0165027	0.0238444	0.0207758	0.0800972	0.0523339	0.0050867
51	POS	0.059157	0.0394099	0.0600511	0.0497007	0.171851	0.0681179	0.0098791
52	POS	0.0341827	0.0242454	0.0352618	0.0297427	0.157607	0.0696942	0.0065804
53	POS	0.0781807	0.0505203	0.0790286	0.0640839	0.176421	0.0782118	0.0132099
54	POS	0.343311	0.228554	0.38111	0.303348	0.23101	0.0885004	0.0494201
55	POS	0.184288	0.124052	0.196544	0.158461	0.207982	0.0901769	0.0279661
56	POS	0.0171825	0.0141895	0.0188563	0.0175667	0.170432	0.0716692	0.0046356
57	POS	0.229623	0.154282	0.247378	0.197304	0.232993	0.0949618	0.0351332
58	POS	0.147181	0.0984613	0.153709	0.123661	0.20834	0.093172	0.0227376
59	POS	0.150851	0.0980227	0.155141	0.122925	0.194014	0.0751102	0.0230032
60	POS	0.277756	0.187184	0.301779	0.239355	0.247159	0.0925525	0.0411705
61	POS	0.185585	0.126608	0.196384	0.159106	0.196364	0.0767543	0.0277051
62	POS	0.198703	0.135667	0.211595	0.17057	0.208916	0.0779133	0.0294227
63	POS	0.242673	0.166984	0.26279	0.211477	0.230961	0.0824093	0.0361286
64	POS	0.0568811	0.0406449	0.058963	0.0499299	0.177832	0.0732679	0.0109197
65	POS	0.263762	0.18179	0.287497	0.231214	0.243295	0.096489	0.0391134
66	POS	0.0218587	0.0159731	0.0229524	0.0203844	0.138851	0.0684106	0.0052387
67	POS	0.0416806	0.0301886	0.0426308	0.0369129	0.166601	0.0775727	0.0086437
68	POS	0.026688	0.0204767	0.0287263	0.0252193	0.180645	0.0891309	0.0067546
69	POS	0.0454389	0.03289	0.046657	0.0399666	0.195392	0.0979415	0.0096462
70	POS	0.0202331	0.016131	0.022156	0.0198894	0.1835	0.0945444	0.0059366
71	POS	0.0425133	0.0307854	0.0441602	0.0379053	0.192124	0.0974342	0.0093716
72	POS	0.038399	0.0281171	0.0401534	0.0344951	0.183236	0.0957495	0.0076811
73	POS	0.0528667	0.0371586	0.0540817	0.045823	0.182345	0.0903008	0.0107442
74	POS	0.0379044	0.0276065	0.0393673	0.0340458	0.192329	0.0984743	0.0083842
75	POS	0.0237545	0.01816	0.0254484	0.0225098	0.187985	0.0981758	0.0060327

Sample	Group	S8	S9	S10	S11	S12	S13	S14
1	PRE	0.0009142	0.0089616	0.0034817	0.0101777	0.0041425	0.0022211	0.0015319
2	PRE	0.0011803	0.0098455	0.003387	0.0109374	0.0041113	0.002086	0.0017268
3	PRE	0.000865	0.0085099	0.0033839	0.0089366	0.0039322	0.0020637	0.0014944
4	PRE	0.0012298	0.010687	0.0040283	0.0114341	0.0047147	0.0024439	0.0018177
5	PRE	0.0014924	0.0122953	0.0045269	0.0135671	0.0053798	0.0027996	0.0021051
6	PRE	0.002855	0.0210098	0.0046825	0.0197705	0.0053467	0.00255	0.0037468
7	PRE	0.0015117	0.0141169	0.0035546	0.0141004	0.0039375	0.0020461	0.0021664
8	PRE	0.0020139	0.0162253	0.0035556	0.0176729	0.0043285	0.0020862	0.002617
9	PRE	0.0008379	0.0093133	0.0028809	0.0085759	0.0031459	0.0015831	0.0014737
10	PRE	0.0037438	0.0253378	0.0045321	0.0321447	0.006641	0.0028395	0.0041762
11	PRE	0.0028227	0.0215028	0.004671	0.0261831	0.0063417	0.0029949	0.0034861
12	PRE	0.0013599	0.0127537	0.0037584	0.0137603	0.004378	0.0023009	0.002075
13	PRE	0.0010947	0.0106394	0.0035568	0.0103941	0.0039761	0.0021626	0.0017881
14	PRE	-0.0014996	-0.0128246	0.0010797	-0.0113151	-0.0015815	-0.0003616	-0.0027885
15	PRE	0.0010322	0.0092729	0.0035644	0.0095869	0.0039381	0.0021105	0.0015091
16	PRE	0.0008423	0.0097048	0.0036322	0.0103411	0.004027	0.0021581	0.0015205
17	PRE	0.0020513	0.0152358	0.004062	0.0173528	0.0050752	0.0024965	0.0026499
18	PRE	0.0010397	0.0096788	0.0031853	0.009999	0.0037352	0.0019277	0.0016025
19	PRE	-0.0001527	0.0095371	0.0032457	0.0100356	0.0037412	0.0019508	0.0015192
20	PRE	0.0012043	0.0110194	0.0034	0.0125198	0.0039694	0.0020699	0.0017894
21	PRE	0.0022028	0.0164964	0.0039909	0.020462	0.0053766	0.0024942	0.0027807
22	PRE	0.0006858	0.0080179	0.0029733	0.0089041	0.0034565	0.0017414	0.0012526
23	PRE	0.0009556	0.0099441	0.0035662	0.0118073	0.0041171	0.0021372	0.0015675
24	PRE	0.0009825	0.0092422	0.003449	0.0108097	0.0040662	0.0021364	0.0013809
25	PRE	0.001631	0.0135208	0.0046255	0.0163143	0.0056017	0.0029867	0.0022352
26	TEM	0.0071391	0.0428897	0.0072635	0.0518274	0.010649	0.0040993	0.0083007
27	TEM	0.0255987	0.142745	0.0101294	0.331546	0.0260264	0.0071793	0.0188219
28	TEM	0.0204551	0.116011	0.0094533	0.210058	0.0228308	0.0063765	0.0172976
29	TEM	0.0034296	0.0288712	0.0061252	0.0234657	0.0068118	0.0030529	0.0050473
30	TEM	0.0016607	0.0088795	0.0012712	0.0062015	0.001315	0.0007242	0.0023327
31	TEM	0.0156607	0.0920032	0.0085308	0.143141	0.0185582	0.0054274	0.014677
32	TEM	0.0028886	0.0244354	0.0053118	0.0198601	0.0058276	0.0025346	0.0045145
33	TEM	0.0302535	0.164355	0.0107714	0.355634	0.0303366	0.0080458	0.0214522
34	TEM	0.0207834	0.124796	0.0100654	0.209328	0.025023	0.0068668	0.0182655
35	TEM	0.0048762	0.042212	0.0074819	0.0391906	0.0096707	0.0037833	0.0069846
36	TEM	0.0075744	0.0566953	0.0086173	0.0591824	0.0133227	0.0048013	0.009644
37	TEM	0.0269377	0.152126	0.010387	0.308119	0.0314858	0.0081862	0.0217407
38	TEM	0.0052323	0.0445087	0.0079586	0.0425701	0.0109367	0.0043088	0.0075041
39	TEM	0.0095542	0.06855	0.0087182	0.0799731	0.0161596	0.005485	0.0117498
40	TEM	0.016842	0.105455	0.0096913	0.164257	0.0237805	0.0067301	0.0169288
41	TEM	0.0042638	0.035898	0.0072515	0.0317188	0.0093647	0.0039195	0.006267
42	TEM	0.0035611	0.0322839	0.0068288	0.0273729	0.0086257	0.0038	0.0056955

43	TEM	0.0083929	0.0538255	0.0078966	0.0622797	0.0144019	0.00491	0.010544
44	TEM	0.0046035	0.0311892	0.0068542	0.0285599	0.0089756	0.0037665	0.0062584
45	TEM	0.0038781	0.0268913	0.0066037	0.0231978	0.0082272	0.0035532	0.0054734
46	TEM	0.0039926	0.0291737	0.0071087	0.0272092	0.0091866	0.0038204	0.005709
47	TEM	0.0032222	0.0223329	0.004997	0.0208769	0.0070753	0.0027699	0.0050179
48	TEM	0.0100533	0.0650675	0.0084346	0.0914978	0.0183347	0.006058	0.0125767
49	TEM	0.0030593	0.0224886	0.0052752	0.0210748	0.0070209	0.0029666	0.0046769
50	TEM	0.0034935	0.0258125	0.0056063	0.0254046	0.0080836	0.0032151	0.0055507
51	POS	0.0074979	0.0459996	0.0068854	0.0619543	0.010688	0.003799	0.0076411
52	POS	0.0050625	0.0320934	0.0059678	0.0365856	0.0082121	0.0031476	0.0054554
53	POS	0.0097817	0.0549825	0.0071425	0.0832786	0.0128973	0.0043644	0.0092067
54	POS	0.0374298	0.164591	0.0096439	0.489104	0.0295583	0.0076486	0.0189998
55	POS	0.0216242	0.109161	0.0089756	0.224188	0.0226662	0.0061987	0.0153969
56	POS	0.0033345	0.0237554	0.006012	0.0245004	0.0066536	0.0030731	0.0043494
57	POS	0.0270271	0.127959	0.0093236	0.30125	0.0269986	0.0072312	0.0176266
58	POS	0.0173954	0.0941931	0.0086012	0.17527	0.0205617	0.005747	0.0143217
59	POS	0.0176506	0.090512	0.0083928	0.175422	0.0206639	0.0057675	0.0141291
60	POS	0.0334996	0.148723	0.0097049	0.400937	0.0312319	0.007905	0.0197139
61	POS	0.021955	0.109106	0.008534	0.218352	0.0231263	0.0060425	0.0160094
62	POS	0.0236155	0.115733	0.0088404	0.239842	0.0243161	0.006251	0.0167969
63	POS	0.0293454	0.135826	0.0094435	0.312876	0.0279662	0.0070795	0.0187221
64	POS	0.0077304	0.049007	0.0068996	0.0587167	0.0113557	0.0037681	0.0083208
65	POS	0.0324998	0.14525	0.0096228	0.358254	0.030201	0.0076503	0.0197814
66	POS	0.0036224	0.0252467	0.0052093	0.0279921	0.0066197	0.0026594	0.0054286
67	POS	0.0061904	0.0389591	0.0063554	0.0444565	0.0098944	0.0035311	0.0071334
68	POS	0.0045333	0.0313606	0.0065271	0.0323397	0.0088935	0.0036124	0.0057039
69	POS	0.0067658	0.0431789	0.0072539	0.0503565	0.0114955	0.0043838	0.0078785
70	POS	0.0037321	0.0266821	0.006259	0.0267082	0.0077979	0.0035062	0.0047395
71	POS	0.0066055	0.0411191	0.007112	0.0474345	0.011038	0.004263	0.0076623
72	POS	0.005885	0.038165	0.0066687	0.0411327	0.0100943	0.0039827	0.0069039
73	POS	0.0076423	0.0464882	0.0071175	0.0567805	0.0118579	0.0042513	0.0084945
74	POS	0.0057894	0.0385527	0.0067897	0.0430724	0.0103856	0.0040027	0.0069869
75	POS	0.0040653	0.0296078	0.0063254	0.0310319	0.0087242	0.0037145	0.0053029

Sample	Group	S15	S16	S17	S18	S19	S20	S21
1	PRE	0.0096113	0.0033133	0.0059445	0.0084562	0.0019479	0.028994	0.0032747
2	PRE	0.0087045	0.003199	0.0057754	0.0089022	0.0018396	0.0271744	0.0030779
3	PRE	0.0087786	0.003087	0.0057889	0.0080777	0.0018251	0.0242872	0.0030513
4	PRE	0.0104839	0.0037092	0.0068059	0.0100082	0.0022008	0.030277	0.0036698
5	PRE	0.0117696	0.0041277	0.0075319	0.0113273	0.0026664	0.0363862	0.0040955
6	PRE	0.0090513	0.0043958	0.0078854	0.0154833	0.0033392	0.0281349	0.0039163
7	PRE	0.0079362	0.0031668	0.0057876	0.0110718	0.0020298	0.0266711	0.0029368
8	PRE	0.0076016	0.0032561	0.0056992	0.0125202	0.0022324	0.0266643	0.0029353
9	PRE	0.0070063	0.002662	0.0048232	0.0080546	0.0014165	0.0213438	0.0023951
10	PRE	0.009603	0.0042841	0.0075219	0.0185446	0.0031828	0.0395191	0.0039056
11	PRE	0.0107409	0.0043259	0.0078039	0.0166228	0.0031777	0.0426841	0.0041825
12	PRE	0.0091675	0.0034849	0.0062755	0.0110385	0.0022412	0.0311645	0.0033956
13	PRE	0.0087086	0.0032514	0.0059865	0.0095828	0.0019413	0.0257502	0.0030596
14	PRE	0.0036641	-0.0004234	0.002258	-0.006629	-0.0008387	0.0079433	0.0009492
15	PRE	0.0091242	0.0032385	0.0058856	0.0084974	0.0017496	0.0271562	0.003071
16	PRE	0.0095866	0.0033534	0.005881	0.0087542	0.0018191	0.0287932	0.0031727
17	PRE	0.0096168	0.0037609	0.0067831	0.0126933	0.0025274	0.0324247	0.0036221
18	PRE	0.0080675	0.0030469	0.0053825	0.0086069	0.0017244	0.0242624	0.0028413
19	PRE	0.0086251	0.002978	0.0053244	0.0083799	0.0016291	0.0270827	0.0028843
20	PRE	0.0087536	0.003199	0.0056139	0.0094888	0.0018609	0.0292768	0.0030073
21	PRE	0.0097773	0.0038595	0.0068065	0.0133461	0.0025953	0.035493	0.003691
22	PRE	0.0080523	0.0027673	0.0047858	0.0071978	0.0014053	0.0251236	0.0026692
23	PRE	0.0093706	0.0032478	0.0059127	0.0088718	0.0018644	0.0318913	0.0032697
24	PRE	0.0094646	0.0032207	0.0057684	0.0082088	0.0018624	0.0314438	0.0032705
25	PRE	0.0121877	0.0042512	0.007883	0.0125769	0.0030067	0.0409637	0.0044665
26	TEM	0.0130606	0.0063941	0.0117268	0.0296897	0.0066445	0.0356442	0.0059929
27	TEM	0.0155278	0.0088216	0.0158469	0.0769366	0.0124668	0.0825753	0.0085357
28	TEM	0.0148472	0.0094092	0.0152652	0.0669549	0.0119606	0.0728093	0.0084165
29	TEM	0.0124786	0.0057181	0.0099538	0.0208097	0.0050309	0.0315705	0.0052738
30	TEM	0.0011204	0.0016315	0.0021006	0.0063622	0.0016189	0.0027251	0.001153
31	TEM	0.0134619	0.0084061	0.0140939	0.056055	0.0104666	0.0592788	0.0075722
32	TEM	0.0102152	0.0048113	0.008322	0.0174785	0.0042317	0.024466	0.0043422
33	TEM	0.0176252	0.0106446	0.0174886	0.093101	0.0143459	0.117921	0.0098224
34	TEM	0.017313	0.0103199	0.0165716	0.0748484	0.0127506	0.0990019	0.0093877
35	TEM	0.0152708	0.00716	0.0122672	0.0302845	0.0065956	0.0527753	0.0067082
36	TEM	0.0174743	0.0083854	0.0144138	0.0396089	0.0084172	0.0641591	0.0079636
37	TEM	0.0190142	0.011341	0.0180418	0.0912055	0.0147968	0.123796	0.0106007
38	TEM	0.0168449	0.0076437	0.0133017	0.0330641	0.0071849	0.0591145	0.0072457
39	TEM	0.0169874	0.008848	0.0150758	0.0475444	0.0095498	0.0721581	0.0083954
40	TEM	0.0185505	0.0102087	0.0169283	0.0687658	0.0121507	0.0977161	0.0096293
41	TEM	0.0157015	0.0069823	0.0121039	0.0276527	0.0063073	0.0489752	0.0066696
42	TEM	0.0149817	0.0067492	0.0116397	0.0257095	0.0061696	0.0448469	0.0064394

43	TEM	0.0150551	0.0080014	0.0134715	0.0400044	0.0088436	0.0547134	0.0075476
44	TEM	0.0143415	0.0067371	0.0115045	0.0257571	0.0066173	0.0415899	0.0062473
45	TEM	0.0140169	0.0063329	0.0109581	0.022919	0.0061631	0.038483	0.0059217
46	TEM	0.0155144	0.0067559	0.0117393	0.0242124	0.0061963	0.0452044	0.0063122
47	TEM	0.0100786	0.0049056	0.0083046	0.0180126	0.0046536	0.0263857	0.0045056
48	TEM	0.0167139	0.0085357	0.0145171	0.0457764	0.0092813	0.0680583	0.0081859
49	TEM	0.0109411	0.0051355	0.008765	0.0185472	0.004728	0.029632	0.0048564
50	TEM	0.0114572	0.0054878	0.0094036	0.0208168	0.0051225	0.0324588	0.0051296
51	POS	0.0122503	0.0064814	0.0107355	0.0320108	0.0068487	0.0494096	0.0060726
52	POS	0.0115984	0.0057331	0.0093459	0.0235211	0.0055731	0.0410577	0.0054962
53	POS	0.0127293	0.0069177	0.0114127	0.0382311	0.0079974	0.0559564	0.0066514
54	POS	0.0149345	0.0094127	0.0149101	0.0931437	0.0143539	0.124332	0.0093007
55	POS	0.0146918	0.0094397	0.0143087	0.0675703	0.0120956	0.0925533	0.0088356
56	POS	0.0127244	0.0059975	0.0094257	0.0202112	0.0055389	0.0403248	0.0057457
57	POS	0.0160003	0.0098934	0.0149989	0.0775945	0.0135548	0.108277	0.0095577
58	POS	0.0150223	0.0091338	0.0139843	0.060665	0.0112791	0.0875189	0.0087191
59	POS	0.0141122	0.008775	0.0131473	0.0574429	0.0108105	0.0795245	0.0082192
60	POS	0.0164716	0.0106051	0.0157914	0.0901835	0.0147043	0.130796	0.0102646
61	POS	0.0136834	0.009328	0.0135962	0.0691404	0.0123271	0.0931554	0.0088525
62	POS	0.014574	0.0095728	0.0142339	0.0738206	0.0127556	0.100903	0.0091698
63	POS	0.0153462	0.0103418	0.0149273	0.0855275	0.0141102	0.119901	0.0098997
64	POS	0.0127455	0.007198	0.0111199	0.0356018	0.0076074	0.0583446	0.0069826
65	POS	0.0157502	0.0106231	0.0154235	0.091617	0.0147185	0.129725	0.0102527
66	POS	0.0110502	0.005459	0.0084028	0.0211223	0.0052445	0.0378431	0.005276
67	POS	0.0123732	0.0067537	0.010363	0.030653	0.0069188	0.0506683	0.006472
68	POS	0.0141212	0.0066981	0.010572	0.0266136	0.006535	0.0510129	0.0067202
69	POS	0.0147816	0.0075724	0.0119354	0.0342157	0.0079303	0.0596123	0.0074476
70	POS	0.0140665	0.0064756	0.0102502	0.023801	0.0062691	0.0495101	0.0065258
71	POS	0.0144773	0.0074497	0.0118791	0.0333227	0.0078251	0.0576767	0.0074597
72	POS	0.0140258	0.0071408	0.0114157	0.0310344	0.0074156	0.054527	0.0071255
73	POS	0.0140778	0.0075119	0.0118878	0.0363616	0.0081708	0.0578957	0.0073591
74	POS	0.0144915	0.0072035	0.0116789	0.0311337	0.0074473	0.0570269	0.0072028
75	POS	0.0145545	0.0066686	0.0107752	0.0256931	0.0065197	0.0528412	0.0067053

Sample	Group	S22	S23	S24	S25	S26	S27	S28
1	PRE	0.002856	0.0350514	0.0007252	0.002764	0.0110443	0.0018033	0.0079693
2	PRE	0.0026233	0.0284899	0.0005663	0.0030582	0.0117095	0.0022335	0.0102006
3	PRE	0.0026809	0.0293299	0.0006118	0.0026906	0.0101352	0.0016878	0.0077272
4	PRE	0.0032082	0.0360342	0.0007984	0.0032326	0.0125028	0.0022189	0.0104634
5	PRE	0.003568	0.0436248	0.0008602	0.0037484	0.0146534	0.0025703	0.0123272
6	PRE	0.0034395	0.0281493	0.0013356	0.0055029	0.0178802	0.0057363	0.0300296
7	PRE	0.0026191	0.0243026	0.0006447	0.0034226	0.0135422	0.0029962	0.0190895
8	PRE	0.0026104	0.0235793	0.0007372	0.0039714	0.0148241	0.0038174	0.0232454
9	PRE	0.002234	0.0198621	0.0005489	0.0023142	0.0100647	0.0016787	0.0105207
10	PRE	0.0032616	0.0315305	0.000874	0.0061396	0.0223614	0.0064954	0.0395752
11	PRE	0.0035058	0.0387385	0.0009608	0.0055578	0.020794	0.0053867	0.0303773
12	PRE	0.0029011	0.0324022	0.000668	0.0035602	0.0139553	0.0027672	0.0154698
13	PRE	0.0028009	0.0292732	0.0006805	0.0029442	0.0117685	0.002091	0.012029
14	PRE	0.0009456	0.008409	-0.0004463	-0.0022767	-0.0039468	-0.0041822	-0.01766
15	PRE	0.0027668	0.0288041	0.0007377	0.0026545	0.0110123	0.0016754	0.0086191
16	PRE	0.0028486	0.030177	0.0005702	0.0028758	0.0120171	0.0018049	0.0093884
17	PRE	0.0030386	0.0326689	0.0007121	0.0044372	0.0156528	0.0037083	0.0195068
18	PRE	0.0024703	0.0253731	0.0006343	0.0027952	0.0108484	0.0019959	0.0103424
19	PRE	0.0025327	0.0260083	0.0004694	0.002536	0.0111507	0.0017328	0.0095112
20	PRE	0.0026086	0.0274257	0.0005741	0.0031786	0.0125747	0.0022885	0.0121766
21	PRE	0.0030314	0.031942	0.0007252	0.0045993	0.016885	0.0041379	0.0211704
22	PRE	0.0022665	0.0240229	0.0004494	0.0022802	0.0096108	0.0013862	0.0071028
23	PRE	0.0027238	0.0301682	0.0005183	0.0027976	0.0120956	0.0019435	0.0093371
24	PRE	0.0026878	0.0308435	0.000526	0.0025899	0.0116073	0.0016392	0.0076925
25	PRE	0.0036508	0.0502998	0.0008277	0.0042544	0.0159019	0.003084	0.0146958
26	TEM	0.0051805	0.0372497	0.0020779	0.0099031	0.0321363	0.01314	0.064551
27	TEM	0.0063171	0.0495491	0.0031134	0.0198524	0.0875358	0.0272026	0.259566
28	TEM	0.0063244	0.0519426	0.002933	0.0197281	0.0755465	0.0288732	0.208942
29	TEM	0.0047207	0.0391696	0.0017679	0.0068358	0.0246447	0.008486	0.0386921
30	TEM	0.0007981	0.0049958	0.0005775	0.0024986	0.0046356	0.0036651	0.0116875
31	TEM	0.005861	0.0491417	0.0026031	0.0167452	0.061924	0.024925	0.163059
32	TEM	0.0039649	0.0316513	0.001511	0.0059033	0.020343	0.0075111	0.0333708
33	TEM	0.0070613	0.0646939	0.0033268	0.0240069	0.109608	0.0343266	0.310477
34	TEM	0.0069464	0.0674786	0.0029153	0.0213217	0.0848512	0.0315655	0.223261
35	TEM	0.0057081	0.057707	0.0018178	0.0091144	0.0353047	0.0122135	0.0593844
36	TEM	0.0065041	0.0684339	0.0023008	0.0124376	0.0439566	0.0173961	0.0835936
37	TEM	0.0073906	0.0790172	0.0033019	0.024547	0.0989865	0.0363003	0.282432
38	TEM	0.0062571	0.0663887	0.002014	0.010053	0.0365415	0.0131248	0.0626589
39	TEM	0.006586	0.0719764	0.0024714	0.0147045	0.0501887	0.0209761	0.1069
40	TEM	0.0071028	0.0782533	0.0027221	0.0199686	0.0717881	0.0291965	0.183328
41	TEM	0.0057757	0.061849	0.0018314	0.0085857	0.0307195	0.0108612	0.0491163
42	TEM	0.0056278	0.058752	0.0018921	0.0077733	0.0273501	0.0096888	0.0432202

43	TEM	0.0060293	0.0635611	0.0021649	0.0130789	0.0395188	0.0189786	0.0832412
44	TEM	0.0054554	0.0560167	0.0019233	0.0081993	0.0269286	0.0112807	0.0448799
45	TEM	0.0053263	0.0534488	0.0016806	0.0072728	0.0245696	0.0098449	0.0376876
46	TEM	0.0055867	0.0588805	0.0017422	0.0079064	0.0260666	0.0102875	0.0390045
47	TEM	0.0039861	0.0355552	0.0014605	0.006688	0.0179395	0.0086958	0.030222
48	TEM	0.0063785	0.067219	0.0022842	0.0153628	0.0448814	0.022177	0.100253
49	TEM	0.0041976	0.0395061	0.0015301	0.0064527	0.0189512	0.0081047	0.0305474
50	TEM	0.0044981	0.0413109	0.0015054	0.0075524	0.0214834	0.0095529	0.0352767
51	POS	0.0047405	0.055943	0.0018505	0.01047	0.0355513	0.0137518	0.0782638
52	POS	0.0044211	0.0560044	0.0016233	0.0081713	0.0269998	0.0100186	0.050083
53	POS	0.0050342	0.0678451	0.0020461	0.011925	0.0403209	0.0164996	0.0984245
54	POS	0.0059514	0.0869353	0.0031468	0.0225473	0.105152	0.0314759	0.367638
55	POS	0.0060081	0.0859759	0.0027028	0.0193301	0.0723354	0.0290967	0.223709
56	POS	0.0046798	0.067783	0.0016278	0.0068041	0.023702	0.0075714	0.0326821
57	POS	0.0062286	0.096508	0.0028982	0.0217	0.0841641	0.0330907	0.272695
58	POS	0.0059459	0.088889	0.0025349	0.0179569	0.0641725	0.0271227	0.186448
59	POS	0.0056642	0.0802063	0.0023798	0.0178932	0.0604338	0.0270531	0.181614
60	POS	0.0064301	0.0974815	0.0032069	0.0247085	0.09625	0.0365319	0.331416
61	POS	0.005612	0.0837743	0.0026284	0.0202896	0.0734452	0.0304475	0.230737
62	POS	0.0058641	0.0860371	0.002675	0.0210442	0.0780264	0.0316551	0.248449
63	POS	0.0062098	0.0925899	0.0028678	0.0234393	0.0912656	0.0350849	0.302429
64	POS	0.0049862	0.0730897	0.0019726	0.0117325	0.0386801	0.016066	0.0847374
65	POS	0.0062941	0.102711	0.0029449	0.0247417	0.0957739	0.037015	0.326291
66	POS	0.00406	0.0612409	0.0014282	0.0068648	0.0226721	0.0089541	0.037209
67	POS	0.0047419	0.0737387	0.0018087	0.010287	0.0321297	0.0136125	0.0640874
68	POS	0.0050427	0.0787102	0.0016885	0.0086591	0.028232	0.010594	0.0477652
69	POS	0.0054307	0.0863178	0.0019512	0.011311	0.0352112	0.0148996	0.0703951
70	POS	0.0049439	0.0792254	0.0017877	0.007621	0.0263148	0.0085116	0.0396556
71	POS	0.0053943	0.0871284	0.001985	0.0110391	0.0342686	0.0143752	0.0664099
72	POS	0.0052363	0.0838579	0.001939	0.0100786	0.0323773	0.013267	0.0611895
73	POS	0.0052964	0.0840019	0.0018637	0.0117026	0.0370818	0.0162479	0.0779856
74	POS	0.0052965	0.0851817	0.0019732	0.0101884	0.0327577	0.0131909	0.0612883
75	POS	0.0050713	0.0810704	0.0017203	0.0083153	0.0270332	0.0096964	0.0439078

Sample	Group	S29	S30	S31	S32
1	PRE	0.0077533	0.0049409	1.13075	0.0028557
2	PRE	0.0089884	0.0055558	0.9806	0.0033659
3	PRE	0.0070268	0.0045364	0.669128	0.0026711
4	PRE	0.0091992	0.0055074	1.07283	0.003292
5	PRE	0.0109136	0.0063115	1.81863	0.0038249
6	PRE	0.0213085	0.0069143	0.467332	0.0066693
7	PRE	0.0132068	0.0051547	0.646711	0.0038399
8	PRE	0.01534	0.0055738	0.606618	0.0048357
9	PRE	0.00802	0.0040735	0.372199	0.0024654
10	PRE	0.0246213	0.0080989	1.8494	0.008284
11	PRE	0.0215687	0.0081504	2.27135	0.0070203
12	PRE	0.0121479	0.0056604	1.1336	0.0037368
13	PRE	0.0097048	0.0047538	0.64527	0.002995
14	PRE	-0.0104218	-0.0012151	0.0800001	-0.0037337
15	PRE	0.0077767	0.0048798	0.858239	0.0027624
16	PRE	0.008869	0.0053272	1.56037	0.0028449
17	PRE	0.0145696	0.0062965	1.32164	0.0050045
18	PRE	0.0084729	0.0046625	0.75191	0.0028739
19	PRE	0.0080809	0.0045731	1.3002	0.002636
20	PRE	0.0099383	0.0053316	1.57327	0.0033424
21	PRE	0.0159145	0.0071304	2.28688	0.0055139
22	PRE	0.0064383	0.0041012	1.3666	0.0022675
23	PRE	0.0086684	0.0050642	2.23069	0.002915
24	PRE	0.0077986	0.0050609	2.29407	0.0027399
25	PRE	0.0131122	0.0065006	2.31573	0.0044607
26	TEM	0.0415981	0.0086527	0.187568	0.0158107
27	TEM	0.12663	0.0160393	0.609966	0.0300419
28	TEM	0.109741	0.0162915	0.667501	0.0313498
29	TEM	0.0298788	0.0067682	0.494525	0.0098137
30	TEM	0.0084757	0.0017742	0.0022708	0.0042097
31	TEM	0.0902766	0.0135576	0.539508	0.0277097
32	TEM	0.0255017	0.0056643	0.236366	0.0086895
33	TEM	0.15371	0.0200466	1.59402	0.0364043
34	TEM	0.120834	0.0174607	1.75705	0.0348267
35	TEM	0.04489	0.0088148	1.65037	0.0146959
36	TEM	0.0588536	0.0113525	2.08176	0.0207444
37	TEM	0.144314	0.02027	1.65648	0.0385644
38	TEM	0.0471778	0.0095179	1.85194	0.0160463
39	TEM	0.0698735	0.0123359	1.71838	0.0249629
40	TEM	0.10384	0.0163849	1.75525	0.0331669
41	TEM	0.0385155	0.0084075	1.4902	0.0129559
42	TEM	0.034167	0.0079016	1.07086	0.0113189

43	TEM	0.0552412	0.0109726	0.86448	0.0226055
44	TEM	0.0334381	0.007858	0.788145	0.0126821
45	TEM	0.0289375	0.0074954	0.742575	0.0105544
46	TEM	0.0316538	0.0078825	1.35078	0.0115275
47	TEM	0.0232907	0.005668	0.235115	0.010396
48	TEM	0.064884	0.0124169	1.4115	0.026423
49	TEM	0.0238791	0.0059956	0.322873	0.0100926
50	TEM	0.0270946	0.0068221	0.345134	0.0118275
51	POS	0.0470653	0.0101642	1.84384	0.0163459
52	POS	0.034347	0.0081967	1.75225	0.0121655
53	POS	0.0554172	0.0110784	2.0431	0.0191219
54	POS	0.150861	0.0181326	2.18254	0.0332702
55	POS	0.104866	0.0165868	2.1267	0.0317842
56	POS	0.0282342	0.0077263	2.453	0.0092189
57	POS	0.123049	0.0184195	2.57515	0.0347668
58	POS	0.0942466	0.0159988	2.48949	0.0311996
59	POS	0.0907356	0.0155937	2.30806	0.0301174
60	POS	0.14321	0.0213225	2.92941	0.0383176
61	POS	0.110382	0.0172484	1.91101	0.034678
62	POS	0.11748	0.0181974	2.48022	0.035653
63	POS	0.136481	0.0202412	2.90646	0.038596
64	POS	0.0545687	0.0107249	2.62029	0.0204515
65	POS	0.143885	0.0207975	3.09338	0.040084
66	POS	0.028194	0.0069556	1.61822	0.0121064
67	POS	0.0432762	0.0094111	2.31693	0.0176563
68	POS	0.0360686	0.0087183	2.64957	0.0135731
69	POS	0.0476271	0.0105617	2.9265	0.0191099
70	POS	0.0316008	0.0075077	2.75326	0.0108368
71	POS	0.0450806	0.0104632	2.85078	0.0182397
72	POS	0.042616	0.0100434	2.57543	0.0166614
73	POS	0.0501658	0.0108704	2.51091	0.0203021
74	POS	0.042839	0.0100276	2.96512	0.0167529
75	POS	0.0340376	0.0086611	2.92005	0.0126108

Table S2. Individual percentages of peak area obtained by GC-MS (*L. apiculatum* nests).

Sample	Group	1	2	3	4	5	6	7	8	9	10	11	12
1	PRE									0.4444			
2	TEM											0.1921	
3	TEM								0.4972		0.2726		
4	POS					1.4773		2.6269	1.0541	0.0862			
5	POS					1.4773		2.6269	1.0541	0.0862			
6	PRE							0.1284					0.0875
7	PRE						0.129	0.139					
8	TEM								0.7053				
9	POS						1.0456	0.4411					
10	POS		3.3477		0.9397		0.9326	0.3772					
11	PRE							0.1377					0.0957
12	PRE						0.1062	0.1624					
13	TEM				2.0737								
14	POS				0.8953	0.1296	1.0045	0.3961					
15	POS		2.8688		0.9356		1.0634	0.3979		0.0336			
16	PRE							0.1189					
17	PRE							0.119	0.1323				
18	TEM								0.3895				
19	TEM								0.4385				
20	POS					0.5486		0.7035	0.2566				
21	POS				2.4093		0.7607		0.9201	0.3562			
22	PRE						0.1283						
23	TEM							0.5969					
24	POS		3.1159		0.8946		0.9221	0.3854				0.0818	
25	POS							0.8676	0.3345				

[illegible]

[illegible]

[illegible]

