

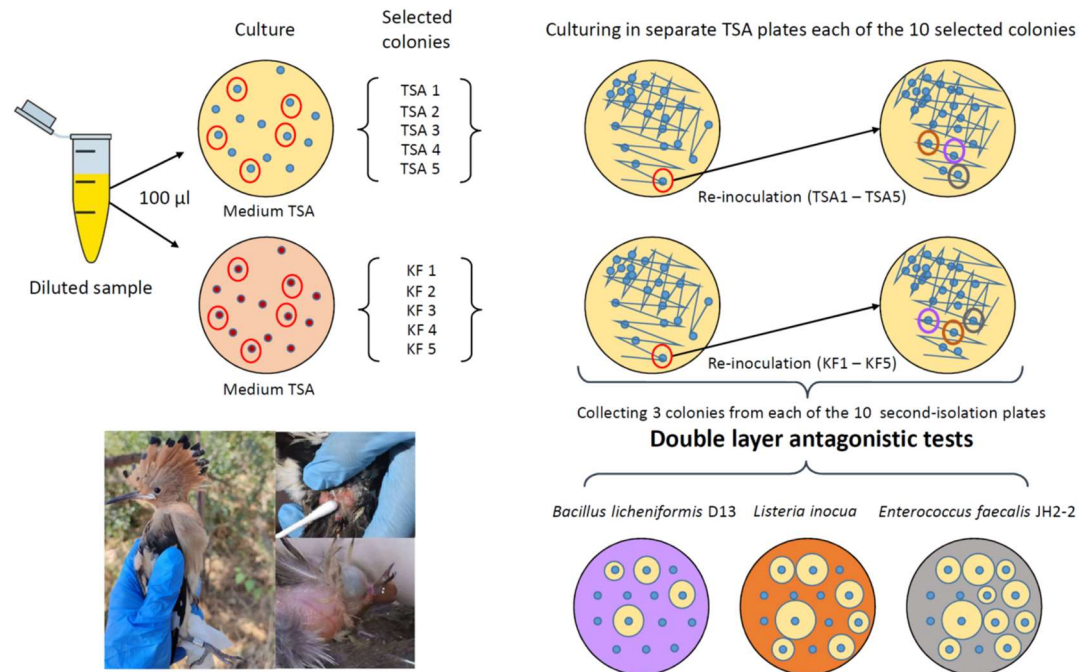
Electronic Supplementary Material

Juan José Soler, María Dolores Barón, Ester Martínez-Renau, Lu Zhang, Wei Liang, and Manuel Martín-Vivaldi. **Nesting hoopoes cultivate in their uropygial gland the microbial symbionts with the highest antimicrobial capacity.**

ESM, Table S1: Results from General Linear Mixed Models exploring factors explaining the antimicrobial activity of colonies isolated from hoopoes' samples against three indicator bacteria, *Bacillus licheniformis*, *Listeria innocua*, and *Enterococcus faecalis*. The models include type of sample ("Sample": uropygial secretion vs uropygial skin), type of bacteria ("Bacteria": mesophilic vs. enterococci, isolated either from general (TSA) or selective (KF) culture media respectively), the type of sampled hoopoes ("Hoopoes": nestlings, brooding females, non-brooding females, and males), and the interaction between "Bacteria" and "Hoopoes" as fixed (F) factors. As random factors (R), the models include the individual identity ("Individual ID") nested within "Hoopoes", and the interactions between that random factor and the types of samples and bacteria. The main effects were explored in models that did not include interactions, while the interaction was estimated in models that also included main effects. Main random and fixed effects are numbered and the numbers used to describe particular interactions. Effects with associated p-values lower than 0.1 were highlighted in bold.

		<i>Bacillus licheniformis</i>			<i>Listeria innocua</i>			<i>Enterococcus faecalis</i>		
		F	df	P	F	df	P	F	df	P
Bacteria [1]	F	0.48	1,37.3	0.498	5.74	1,36.2	0.022	19.17	1,36.8	<0.001
Sample [2]	F	0.04	1,36.5	0.834	3.05	1,31.4	0.090	8.46	1,32.3	0.007
Hoopoes [3]	F	0.56	3,47.6	0.643	1.17	3,37.9	0.334	1.51	3,40.8	0.226
([1])*([3])	F	1.51	29,27.8	0.142	3.18	3,40.1	0.034	3.35	3,42.2	0.028
Individual ID ([3]) [4]	R	1.37	29,29.9	0.196	2.55	30,41.1	0.003	1.97	30,40.5	0.022
([1])*([4])	R	2.35	29,562	<0.001	3.14	30,571	<0.001	2.82	30,578	<0.001
([2])*([4])	R	1.52	27,562	0.046	3.39	27,571	<0.001	3.26	28,578	<0.001

ESM Figure S1: Laboratory protocol for processing samples collected from the uropygial gland or skin of sampled hoopoes. Briefly, two aliquots of 100 μ l of the diluted sample were used to grow bacteria in general (TSA) and specific (KF) media, respectively (culture). Then, 5 colonies from each culture (red circles) were isolated and independently cultured in plates with TSA medium (10 plates). To ensure purity of the strain, one isolated colony from each of the 10 plates was re-inoculated into a new TSA plate. Finally, 3 colonies from each of the 10 re-inoculated plates (purple, orange and grey circles) were used to test its antagonistic activity (double layer antagonistic tests) against each of the indicator bacteria used (*Bacillus licheniformis*, *Listeria innocua*, and *Enterococcus faecalis*) previously inoculated in TSA plates. Pictures of the sampled species, the uropygial gland with a secretion drop coming out, and swabbing the uropygial gland skin are also shown.



ESM-data set: data set used for the statistical analyses of the manuscript

<u>individual ID</u>	<u>SAMPLE TYPE</u>	<u>Individual type</u>	<u>Nesting birds</u>	<u>ORIGINAL</u> <u>MEDIUM</u>	<u>log</u> <u>B licheniformis</u>	<u>log L innocua</u>	<u>log E fecalis</u>
F1P1	GLANDSWAB	Nestlings	Nesting	TSA	0.00000	0.00000	0.00000
F1P1	GLANDSWAB	Nestlings	Nesting	KF	0.07555	0.07737	0.30211
F1P1	GLANDSWAB	Nestlings	Nesting	KF	0.27300	0.13513	0.29885
F1P1	GLANDSWAB	Nestlings	Nesting	KF	0.31702	0.00000	0.34044
F1P1	GLANDSWAB	Nestlings	Nesting	KF	0.37014	0.00000	0.27184
F1P1	GLANDSWAB	Nestlings	Nesting	KF	0.39707	0.10551	0.34242
F1P1	GLANDSWAB	Nestlings	Nesting	TSA	0.00000	0.00000	0.00000
F1P1	GLANDSWAB	Nestlings	Nesting	TSA	0.23553	0.00000	0.00000
F1P1	GLANDSWAB	Nestlings	Nesting	TSA	0.23805	0.34733	0.49485
F1P1	GLANDSWAB	Nestlings	Nesting	TSA	0.35218	0.26482	0.00000
F11MALE	GLANDSWAB	Males	Non-nesting	KF	0.01284	0.00000	0.00000
F11MALE	GLANDSWAB	Males	Non-nesting	KF	0.14457	0.00000	0.00000
F11MALE	GLANDSWAB	Males	Non-nesting	KF	0.18469	0.00000	0.00000
F11MALE	GLANDSWAB	Males	Non-nesting	KF	0.27531	0.00000	0.00000
F11MALE	GLANDSWAB	Males	Non-nesting	KF	0.31702	0.00000	0.00000
F11MALE	GLANDSWAB	Males	Non-nesting	TSA	0.04336	0.68215	0.21617
F11MALE	GLANDSWAB	Males	Non-nesting	TSA	0.30535	0.33445	0.10890
F11MALE	GLANDSWAB	Males	Non-nesting	TSA	0.36642	0.58771	0.00000
F11MALE	GLANDSWAB	Males	Non-nesting	TSA	0.37749	0.00000	0.16137
F11MALE	GLANDSWAB	Males	Non-nesting	TSA	0.53845	0.00000	0.21484
F11MALE	SECRETION	Males	Non-nesting	TSA	0.32428	0.00000	0.26245
F11MALE	SECRETION	Males	Non-nesting	TSA	0.33445	0.00000	0.00000
F11MALE	SECRETION	Males	Non-nesting	TSA	0.33445	0.32222	0.23805
F11MALE	SECRETION	Males	Non-nesting	TSA	0.38202	0.00000	0.15836
F11MALE	SECRETION	Males	Non-nesting	TSA	0.42732	0.00000	0.29226
F12FEMALE1	GLANDSWAB	Non-brooding females	Non-nesting	KF	0.00000	0.00000	0.00000
F12FEMALE1	GLANDSWAB	Non-brooding females	Non-nesting	KF	0.53339	0.00000	0.00000

F12FEMALE1	GLANDSWAB	Non-brooding females	Non-nesting	TSA	0.36267	0.00000	0.33345
F12FEMALE1	GLANDSWAB	Non-brooding females	Non-nesting	TSA	0.40398	0.00000	0.19451
F12FEMALE1	GLANDSWAB	Non-brooding females	Non-nesting	TSA	0.40993	0.00000	0.00000
F12FEMALE1	GLANDSWAB	Non-brooding females	Non-nesting	TSA	0.44716	0.00000	0.17898
F12FEMALE1	GLANDSWAB	Non-brooding females	Non-nesting	TSA	0.45102	0.20003	0.26834
F12FEMALE1	GLANDSWAB	Non-brooding females	Non-nesting	TSA	0.48785	0.11893	0.00000
F12FEMALE1	GLANDSWAB	Non-brooding females	Non-nesting	TSA	0.53908	0.00000	0.00000
F12FEMALE2	GLANDSWAB	Non-brooding females	Non-nesting	TSA	0.00000	0.00000	0.00000
F12FEMALE2	GLANDSWAB	Non-brooding females	Non-nesting	TSA	0.25648	0.00000	0.19728
F12FEMALE2	GLANDSWAB	Non-brooding females	Non-nesting	TSA	0.31806		0.00000
F12FEMALE2	GLANDSWAB	Non-brooding females	Non-nesting	TSA	0.39707	0.00000	0.23300
F12FEMALE2	GLANDSWAB	Non-brooding females	Non-nesting	TSA	0.50379	0.33846	0.00000
F12MALE1	GLANDSWAB	Males	Non-nesting	KF	0.11059	0.24551	0.31597
F12MALE1	GLANDSWAB	Males	Non-nesting	KF	0.25768	0.00000	0.25042
F12MALE1	GLANDSWAB	Males	Non-nesting	KF	0.33945	0.00000	0.00000
F12MALE1	GLANDSWAB	Males	Non-nesting	KF	0.37566	0.00000	0.00000
F12MALE1	GLANDSWAB	Males	Non-nesting	KF	0.42975	0.00000	0.00000
F12MALE1	GLANDSWAB	Males	Non-nesting	TSA	0.00000	0.00000	0.00000
F12MALE1	GLANDSWAB	Males	Non-nesting	TSA	0.32325	0.00000	0.25406
F12MALE1	GLANDSWAB	Males	Non-nesting	TSA	0.35122	0.33445	0.30320
F12MALE1	GLANDSWAB	Males	Non-nesting	TSA	0.45255	0.00000	0.00000
F12MALE1	GLANDSWAB	Males	Non-nesting	TSA	0.55811	0.27416	0.00000
F12MALE1	SECRETION	Males	Non-nesting	TSA	0.29994	0.25042	0.27531
F12MALE1	SECRETION	Males	Non-nesting	TSA	0.31281	0.00000	0.19173
F12MALE1	SECRETION	Males	Non-nesting	TSA	0.33846	0.27531	0.41664
F12MALE1	SECRETION	Males	Non-nesting	TSA	0.41162	0.22789	0.26007
F12MALE1	SECRETION	Males	Non-nesting	TSA	0.47202	0.00000	0.32118
F12MALEX	SECRETION	Males	Non-nesting	TSA	0.30428	0.56467	0.28892
F12MALEX	SECRETION	Males	Non-nesting	TSA	0.38917	0.39270	0.22531
F12FEMALE2	SECRETION	Non-brooding females	Non-nesting	TSA	0.00000	0.23805	0.00000
F12FEMALE2	SECRETION	Non-brooding females	Non-nesting	TSA	0.00000	0.07004	0.14613
F12FEMALE2	SECRETION	Non-brooding females	Non-nesting	TSA	0.00000	0.00000	0.00000
F12FEMALE2	SECRETION	Non-brooding females	Non-nesting	TSA	0.00000	0.11561	0.00000

F12FEMALE2	SECRETION	Non-brooding females	Non-nesting	TSA	0.18752	0.00000	0.00000
F12FEMALE2	SECRETION	Non-brooding females	Non-nesting	TSA	0.20548	0.00000	0.20412
F12FEMALE2	SECRETION	Non-brooding females	Non-nesting	TSA	0.41747	0.00000	0.00000
F12FEMALE2	SECRETION	Non-brooding females	Non-nesting	TSA	0.43377	0.14768	0.00000
F12FEMALE2	SECRETION	Non-brooding females	Non-nesting	TSA		0.00000	0.00000
F12FEMALE2	SECRETION	Non-brooding females	Non-nesting	TSA		0.00000	0.16584
F12MALE2	GLANDSWAB	Males	Non-nesting	KF	0.68260	0.00000	0.00000
F12MALE2	GLANDSWAB	Males	Non-nesting	KF	0.78319	0.00000	0.00000
F12MALE2	GLANDSWAB	Males	Non-nesting	KF	0.88451	0.00000	0.00000
F12MALE2	GLANDSWAB	Males	Non-nesting	KF	0.96402	0.00000	0.00000
F12MALE2	GLANDSWAB	Males	Non-nesting	KF	1.02979	0.00000	0.00000
F12FEMALE3	GLANDSWAB	Brooding females	Nesting	KF	0.12385	0.33041	0.35603
F12FEMALE3	GLANDSWAB	Brooding females	Nesting	KF	0.33345	0.17898	0.23045
F12FEMALE3	GLANDSWAB	Brooding females	Nesting	KF	0.37749	0.24304	0.35793
F12FEMALE3	GLANDSWAB	Brooding females	Nesting	KF	0.38382	0.29885	0.20412
F12FEMALE3	GLANDSWAB	Brooding females	Nesting	KF	0.39620	0.26007	0.38382
F12FEMALE3	GLANDSWAB	Brooding females	Nesting	TSA	0.11561	0.31069	0.21880
F12FEMALE3	GLANDSWAB	Brooding females	Nesting	TSA	0.30320	0.15534	0.00000
F12FEMALE3	GLANDSWAB	Brooding females	Nesting	TSA	0.35507	0.27068	0.31911
F12FEMALE3	GLANDSWAB	Brooding females	Nesting	TSA	0.39094	0.19866	0.00000
F12FEMALE3	GLANDSWAB	Brooding females	Nesting	TSA	0.42732	0.00000	0.28892
F12FEMALE3	SECRETION	Brooding females	Nesting	KF	0.20548	0.27875	0.37566
F12FEMALE3	SECRETION	Brooding females	Nesting	KF	0.20952	0.07188	0.21748
F12FEMALE3	SECRETION	Brooding females	Nesting	KF	0.23553	0.00000	0.30750
F12FEMALE3	SECRETION	Brooding females	Nesting	KF	0.28556	0.17464	0.36173
F12FEMALE3	SECRETION	Brooding females	Nesting	KF	0.37658	0.23045	0.28103
F12FEMALE3	SECRETION	Brooding females	Nesting	TSA	0.29667	0.25406	0.27761
F12FEMALE3	SECRETION	Brooding females	Nesting	TSA	0.30535	0.23805	0.26717
F12FEMALE3	SECRETION	Brooding females	Nesting	TSA	0.30643	0.23045	0.26834
F12FEMALE3	SECRETION	Brooding females	Nesting	TSA	0.33846	0.24551	0.27875
F12FEMALE3	SECRETION	Brooding females	Nesting	TSA	0.34537	0.43537	0.33945
F12FEMALE3	SECRETION	Brooding females	Nesting	TSA	0.36455	0.19173	0.27531
F12FEMALE3	SECRETION	Brooding females	Nesting	TSA	0.38292	0.28217	0.24920

F12FEMALE3	SECRETION	Brooding females	Nesting	TSA	0.38917	0.21085	0.27646
F12FEMALE3	SECRETION	Brooding females	Nesting	TSA	0.46090	0.31175	0.00000
F12FEMALE3	SECRETION	Brooding females	Nesting	TSA	0.48001	0.30320	0.00000
F12MALEX	GLANDSWAB	Males	Non-nesting	KF	0.35603	0.00000	0.00000
F12MALEX	GLANDSWAB	Males	Non-nesting	KF	0.35698	0.00000	0.00000
F12MALEX	GLANDSWAB	Males	Non-nesting	KF	0.37107	0.00000	0.00000
F12MALEX	GLANDSWAB	Males	Non-nesting	KF	0.42894	0.00000	0.00000
F12MALEX	GLANDSWAB	Males	Non-nesting	KF	0.46835	0.00000	0.00000
F12MALEX	GLANDSWAB	Males	Non-nesting	TSA	0.17609	0.00000	0.00000
F12MALEX	GLANDSWAB	Males	Non-nesting	TSA	0.29557	0.11561	0.00000
F12MALEX	GLANDSWAB	Males	Non-nesting	TSA	0.30103	0.00000	0.00000
F12MALEX	GLANDSWAB	Males	Non-nesting	TSA	0.34439	0.00000	0.00000
F12MALEX	GLANDSWAB	Males	Non-nesting	TSA	0.56644	0.00000	0.31281
F14FEMALE	GLANDSWAB	Brooding females	Nesting	KF		0.00000	0.00000
F14FEMALE	GLANDSWAB	Brooding females	Nesting	KF		0.00000	0.00000
F14FEMALE	GLANDSWAB	Brooding females	Nesting	KF		0.00000	0.00000
F14FEMALE	GLANDSWAB	Brooding females	Nesting	KF		0.30750	0.30103
F14FEMALE	GLANDSWAB	Brooding females	Nesting	KF		0.32118	0.23045
F2FEMALE	GLANDSWAB	Brooding females	Nesting	KF		0.34044	0.29557
F2FEMALE	GLANDSWAB	Brooding females	Nesting	KF		0.32118	0.18611
F2FEMALE	GLANDSWAB	Brooding females	Nesting	KF		0.37475	0.30428
F2FEMALE	GLANDSWAB	Brooding females	Nesting	KF		0.42732	0.27068
F2FEMALE	GLANDSWAB	Brooding females	Nesting	KF		0.35698	0.25888
F2FEMALE	GLANDSWAB	Brooding females	Nesting	TSA	0.25406	0.31281	0.27989
F2FEMALE	GLANDSWAB	Brooding females	Nesting	TSA	0.26007	0.00000	0.00000
F2FEMALE	GLANDSWAB	Brooding females	Nesting	TSA	0.27761	0.23679	0.00000
F2FEMALE	GLANDSWAB	Brooding females	Nesting	TSA	0.31069	0.00000	0.22531
F2FEMALE	GLANDSWAB	Brooding females	Nesting	TSA	0.32325	0.23426	0.26245
F2FEMALE	GLANDSWAB	Brooding females	Nesting	TSA	0.43297	0.20683	0.00000
F2FEMALE	GLANDSWAB	Brooding females	Nesting	TSA	0.44091	0.12385	0.24920
F2FEMALE	SECRETION	Brooding females	Nesting	KF		0.27989	0.24428
F2FEMALE	SECRETION	Brooding females	Nesting	KF		0.30643	0.22401
F2FEMALE	SECRETION	Brooding females	Nesting	KF		0.34537	0.24797

F2FEMALE	SECRETION	Brooding females	Nesting	KF		0.38382	0.24428
F2FEMALE	SECRETION	Brooding females	Nesting	KF		0.28892	0.24797
F2FEMALE	SECRETION	Brooding females	Nesting	TSA	0.29557	0.00000	0.17319
F2FEMALE	SECRETION	Brooding females	Nesting	TSA	0.30856	0.12710	0.21748
F2FEMALE	SECRETION	Brooding females	Nesting	TSA	0.35315	0.16732	0.33345
F2FEMALE	SECRETION	Brooding females	Nesting	TSA	0.38561	0.21484	0.23930
F2FEMALE	SECRETION	Brooding females	Nesting	TSA	0.40312	0.17173	0.18327
F2N1	GLANDSWAB	Nestlings	Nesting	KF	0.29226	0.26482	0.26126
F2N1	GLANDSWAB	Nestlings	Nesting	KF	0.37383	0.51521	0.23426
F2N1	GLANDSWAB	Nestlings	Nesting	KF	0.37475	0.29885	0.21219
F2N1	GLANDSWAB	Nestlings	Nesting	KF	0.46538	0.22917	0.24920
F2N1	GLANDSWAB	Nestlings	Nesting	KF	0.46761	0.18469	0.34635
F2N1	GLANDSWAB	Nestlings	Nesting	TSA	0.00000	0.00000	0.00000
F2N1	GLANDSWAB	Nestlings	Nesting	TSA	0.53845	0.00000	0.00000
F2N1	GLANDSWAB	Nestlings	Nesting	TSA	0.54345	0.00000	0.00000
F2N1	GLANDSWAB	Nestlings	Nesting	TSA	0.78888	0.19173	0.24551
F2N1	GLANDSWAB	Nestlings	Nesting	TSA	0.85944	0.29003	0.55509
F2N1	SECRETION	Nestlings	Nesting	KF	0.29667	0.00000	0.00000
F2N1	SECRETION	Nestlings	Nesting	KF	0.33846	0.00000	0.30103
F2N1	SECRETION	Nestlings	Nesting	KF	0.35315	0.00000	0.35507
F2N1	SECRETION	Nestlings	Nesting	KF	0.35889	0.00000	0.31597
F2N1	SECRETION	Nestlings	Nesting	KF	0.44560	0.00000	0.35889
F2N1	SECRETION	Nestlings	Nesting	TSA	0.00000	0.24180	0.36549
F2N1	SECRETION	Nestlings	Nesting	TSA	0.00000	0.00000	0.00000
F2N1	SECRETION	Nestlings	Nesting	TSA	0.00000	0.19728	0.13830
F2N1	SECRETION	Nestlings	Nesting	TSA	0.38382	0.00000	0.18469
F2N1	SECRETION	Nestlings	Nesting	TSA	0.39445	0.16879	0.15836
F2N2	GLANDSWAB	Nestlings	Nesting	KF	0.29776	0.14145	0.24797
F2N2	GLANDSWAB	Nestlings	Nesting	KF	0.33846	0.16584	0.18469
F2N2	GLANDSWAB	Nestlings	Nesting	KF	0.34143	0.23045	0.35218
F2N2	GLANDSWAB	Nestlings	Nesting	KF	0.37199	0.34635	0.39967
F2N2	GLANDSWAB	Nestlings	Nesting	KF	0.43217	0.24920	0.40654
F2N2	GLANDSWAB	Nestlings	Nesting	TSA	0.29003	0.10721	0.69241

F2N2	GLANDSWAB	Nestlings	Nesting	TSA	0.36455	0.21617	0.61909
F2N2	GLANDSWAB	Nestlings	Nesting	TSA	0.41162	0.19033	0.00000
F2N2	GLANDSWAB	Nestlings	Nesting	TSA	0.44560	0.00000	0.36361
F2N2	GLANDSWAB	Nestlings	Nesting	TSA	0.45408	0.00000	0.35025
F2N2	SECRETION	Nestlings	Nesting	KF	0.21880	0.11394	0.30103
F2N2	SECRETION	Nestlings	Nesting	KF	0.30320	0.10037	0.13672
F2N2	SECRETION	Nestlings	Nesting	KF	0.37014	0.09167	0.28217
F2N2	SECRETION	Nestlings	Nesting	KF	0.38382	0.18752	0.35218
F2N2	SECRETION	Nestlings	Nesting	KF	0.45561	0.05115	0.46687
F2N2	SECRETION	Nestlings	Nesting	TSA	0.20817	0.15685	0.30320
F2N2	SECRETION	Nestlings	Nesting	TSA	0.23300	0.21219	0.36267
F2N2	SECRETION	Nestlings	Nesting	TSA	0.26245	0.27531	0.24797
F2N2	SECRETION	Nestlings	Nesting	TSA	0.53970	0.19728	0.29447
F3N3	GLANDSWAB	Nestlings	Nesting	KF	0.32015	0.00000	0.00000
F3N3	GLANDSWAB	Nestlings	Nesting	KF	0.36549	0.78604	0.97474
F3N3	GLANDSWAB	Nestlings	Nesting	KF	0.43056	1.00432	0.82413
F3N3	GLANDSWAB	Nestlings	Nesting	KF	0.55630	0.94052	0.76938
F3N3	GLANDSWAB	Nestlings	Nesting	KF	0.59605	0.92814	0.83790
F3N3	GLANDSWAB	Nestlings	Nesting	TSA	0.25527	0.00000	0.00000
F3N3	GLANDSWAB	Nestlings	Nesting	TSA	0.25527	0.00000	0.00000
F3N3	GLANDSWAB	Nestlings	Nesting	TSA	0.33445	0.29667	0.00000
F3N3	GLANDSWAB	Nestlings	Nesting	TSA	0.38292	0.13672	0.00000
F3N3	GLANDSWAB	Nestlings	Nesting	TSA	0.42325	0.70070	0.00000
F3N3	GLANDSWAB	Nestlings	Nesting	TSA	0.68395	0.00000	0.30963
F3N3	SECRETION	Nestlings	Nesting	KF	0.41162	0.93777	0.85884
F3N3	SECRETION	Nestlings	Nesting	KF	0.45864	0.88024	0.85248
F3N3	SECRETION	Nestlings	Nesting	KF	0.47349	0.90956	0.77597
F3N3	SECRETION	Nestlings	Nesting	KF	0.50379	1.01284	0.81224
F3N3	SECRETION	Nestlings	Nesting	KF	0.62737	0.97612	1.02510
F3N3	SECRETION	Nestlings	Nesting	TSA	0.00000	0.18893	0.00000
F3N3	SECRETION	Nestlings	Nesting	TSA	0.30211	0.13830	0.00000
F3N3	SECRETION	Nestlings	Nesting	TSA	0.43136	0.93626	0.79239
F3N3	SECRETION	Nestlings	Nesting	TSA	0.59106	0.90390	0.77269

F3N3	SECRETION	Nestlings	Nesting	TSA	0.61542	0.94571	0.78497
F3N3	SECRETION	Nestlings	Nesting	TSA	0.61857	0.31175	0.00000
F3N3	SECRETION	Nestlings	Nesting	TSA	0.65079	0.95255	0.80720
F3N3	SECRETION	Nestlings	Nesting	TSA	0.65753	0.86629	0.72673
F3N3	SECRETION	Nestlings	Nesting	TSA	0.66652	0.96095	0.79934
F3N3	SECRETION	Nestlings	Nesting	TSA	0.72957	0.99432	0.76230
F5N1	GLANDSWAB	Nestlings	Nesting	KF	0.00000	0.20003	0.43377
F5N1	GLANDSWAB	Nestlings	Nesting	KF	0.39620	0.21880	0.40993
F5N1	GLANDSWAB	Nestlings	Nesting	KF	0.42160	0.00000	0.00000
F5N1	GLANDSWAB	Nestlings	Nesting	KF	0.44638	0.23426	0.49136
F5N1	GLANDSWAB	Nestlings	Nesting	KF	0.46761	0.28103	0.42325
F5N1	GLANDSWAB	Nestlings	Nesting	TSA	0.00000	0.30643	0.00000
F5N1	GLANDSWAB	Nestlings	Nesting	TSA	0.25648	0.30320	0.00000
F5N1	GLANDSWAB	Nestlings	Nesting	TSA	0.33746	0.45864	0.00000
F5N1	GLANDSWAB	Nestlings	Nesting	TSA	0.35603	0.22401	0.00000
F5N1	GLANDSWAB	Nestlings	Nesting	TSA	0.40739	0.13513	0.00000
F5N1	SECRETION	Nestlings	Nesting	KF	0.35122	0.33746	0.30856
F5N1	SECRETION	Nestlings	Nesting	KF	0.41747	0.13194	0.44404
F5N1	SECRETION	Nestlings	Nesting	KF	0.47056	0.34733	0.37749
F5N1	SECRETION	Nestlings	Nesting	KF	0.49276	0.34830	0.37107
F5N1	SECRETION	Nestlings	Nesting	KF	0.52114	0.25648	0.35315
F5N1	SECRETION	Nestlings	Nesting	TSA	0.31069	0.19451	0.24551
F5N1	SECRETION	Nestlings	Nesting	TSA	0.36549	0.39707	0.18469
F5N1	SECRETION	Nestlings	Nesting	TSA	0.46464	0.33646	0.00000
F5N1	SECRETION	Nestlings	Nesting	TSA	0.47567	0.47494	0.16435
F5N1	SECRETION	Nestlings	Nesting	TSA	0.47929	0.46538	0.21219
F5N2	GLANDSWAB	Nestlings	Nesting	KF	0.32634	0.09517	0.44793
F5N2	GLANDSWAB	Nestlings	Nesting	KF	0.38739	0.33546	0.30211
F5N2	GLANDSWAB	Nestlings	Nesting	KF	0.39094	0.00000	0.44091
F5N2	GLANDSWAB	Nestlings	Nesting	KF	0.41747	0.00000	0.41747
F5N2	GLANDSWAB	Nestlings	Nesting	KF	0.44248	0.32634	0.35315
F5N2	GLANDSWAB	Nestlings	Nesting	TSA	0.37199	0.00000	0.00000
F5N2	GLANDSWAB	Nestlings	Nesting	TSA	0.42488	0.37291	0.40993

F5N2	GLANDSWAB	Nestlings	Nesting	TSA	0.42488	0.20683	0.31387
F5N2	GLANDSWAB	Nestlings	Nesting	TSA	0.43616	0.23045	0.43056
F5N2	GLANDSWAB	Nestlings	Nesting	TSA	0.47784	0.25285	0.28780
F5N2	SECRETION	Nestlings	Nesting	KF	0.29447	0.24304	0.25285
F5N2	SECRETION	Nestlings	Nesting	KF	0.29667	0.29667	0.30856
F5N2	SECRETION	Nestlings	Nesting	KF	0.32222	0.15381	0.33143
F5N2	SECRETION	Nestlings	Nesting	KF	0.34928	0.19312	0.37749
F5N2	SECRETION	Nestlings	Nesting	KF	0.37931	0.30535	0.38739
F5N2	SECRETION	Nestlings	Nesting	TSA	0.24797	0.00000	0.30320
F5N2	SECRETION	Nestlings	Nesting	TSA	0.26364	0.21484	0.00000
F5N2	SECRETION	Nestlings	Nesting	TSA	0.32325	0.00000	0.00000
F5N2	SECRETION	Nestlings	Nesting	TSA	0.38828	0.27068	0.32015
F5N2	SECRETION	Nestlings	Nesting	TSA	0.48855	0.00000	0.00000
F5N3	GLANDSWAB	Nestlings	Nesting	KF	0.00000	0.00000	0.00000
F5N3	GLANDSWAB	Nestlings	Nesting	KF	0.00000	0.00000	0.00000
F5N3	GLANDSWAB	Nestlings	Nesting	KF	0.00000	0.00000	0.00000
F5N3	GLANDSWAB	Nestlings	Nesting	KF	0.23805	0.18469	0.00000
F5N3	GLANDSWAB	Nestlings	Nesting	KF	0.31911	0.30963	0.38292
F5N3	GLANDSWAB	Nestlings	Nesting	TSA	0.00000	0.13988	0.00000
F5N3	GLANDSWAB	Nestlings	Nesting	TSA	0.21085	0.00000	0.00000
F5N3	GLANDSWAB	Nestlings	Nesting	TSA	0.26126	0.20140	0.00000
F5N3	GLANDSWAB	Nestlings	Nesting	TSA	0.33244	0.00000	0.38917
F5N3	GLANDSWAB	Nestlings	Nesting	TSA	0.33646	0.11059	0.00000
F5N3	GLANDSWAB	Nestlings	Nesting	TSA	0.35507	0.25648	0.00000
F5N3	GLANDSWAB	Nestlings	Nesting	TSA	0.36267	0.00000	0.00000
F5N3	GLANDSWAB	Nestlings	Nesting	TSA	0.40398	0.13830	0.00000
F5N3	GLANDSWAB	Nestlings	Nesting	TSA	0.40909	0.00000	0.00000
F5N3	GLANDSWAB	Nestlings	Nesting	TSA	0.52892	0.05881	0.00000
F5N3	GLANDSWAB	Nestlings	Nesting	TSA	0.58771	0.00000	0.50515
F5N3	SECRETION	Nestlings	Nesting	KF	0.31492	0.29336	0.29336
F5N3	SECRETION	Nestlings	Nesting	KF	0.31702	0.23300	0.36078
F5N3	SECRETION	Nestlings	Nesting	KF	0.31911	0.30320	0.36173
F5N3	SECRETION	Nestlings	Nesting	KF	0.36642	0.35603	0.34044

F5N3	SECRETION	Nestlings	Nesting	KF	0.48287	0.21617	0.22401
F5N3	SECRETION	Nestlings	Nesting	TSA	0.00000	0.00000	0.00000
F5N3	SECRETION	Nestlings	Nesting	TSA	0.00000	0.00000	0.00000
F5N3	SECRETION	Nestlings	Nesting	TSA	0.47784	0.00000	0.00000
F5N3	SECRETION	Nestlings	Nesting	TSA	0.54158	0.00000	0.00000
F5N3	SECRETION	Nestlings	Nesting	TSA	0.56229	0.28443	0.00000
F5N4	GLANDSWAB	Nestlings	Nesting	KF	0.22660	0.21484	0.36078
F5N4	GLANDSWAB	Nestlings	Nesting	KF	0.26717	0.35603	0.29885
F5N4	GLANDSWAB	Nestlings	Nesting	KF	0.30750	0.18327	0.31806
F5N4	GLANDSWAB	Nestlings	Nesting	KF	0.33646	0.37566	0.33143
F5N4	GLANDSWAB	Nestlings	Nesting	KF	0.42160	0.28217	0.22272
F5N4	GLANDSWAB	Nestlings	Nesting	KF	0.42732	0.32222	0.41162
F5N4	GLANDSWAB	Nestlings	Nesting	TSA	0.00000	0.44793	0.00000
F5N4	GLANDSWAB	Nestlings	Nesting	TSA	0.00000	0.00000	0.00000
F5N4	GLANDSWAB	Nestlings	Nesting	TSA	0.12222	0.12385	0.00000
F5N4	GLANDSWAB	Nestlings	Nesting	TSA	0.17319	0.24551	0.00000
F5N4	GLANDSWAB	Nestlings	Nesting	TSA	0.24304	0.23930	0.00000
F5N4	GLANDSWAB	Nestlings	Nesting	TSA	0.25406	0.65562	0.15229
F5N4	GLANDSWAB	Nestlings	Nesting	TSA	0.30428	0.22011	0.00000
F5N4	GLANDSWAB	Nestlings	Nesting	TSA	0.67486	0.00000	0.00000
F5N4	GLANDSWAB	Nestlings	Nesting	TSA	0.70114	0.20817	0.35122
F5N4	GLANDSWAB	Nestlings	Nesting	TSA	0.81425	0.08099	0.00000
F5N4	GLANDSWAB	Nestlings	Nesting	TSA	0.90200	0.00000	0.00000
F5N4	SECRETION	Nestlings	Nesting	KF	0.00000	0.24674	0.32531
F5N4	SECRETION	Nestlings	Nesting	KF	0.22272	0.28892	0.25768
F5N4	SECRETION	Nestlings	Nesting	KF	0.31702	0.34830	0.32940
F5N4	SECRETION	Nestlings	Nesting	KF	0.36078	0.25164	0.43377
F5N4	SECRETION	Nestlings	Nesting	KF	0.40312	0.28780	0.32736
F5N4	SECRETION	Nestlings	Nesting	TSA	0.00000	0.00000	0.00000
F5N4	SECRETION	Nestlings	Nesting	TSA	0.32736	0.36829	0.34044
F5N4	SECRETION	Nestlings	Nesting	TSA	0.34242	0.19312	0.58263
F5N4	SECRETION	Nestlings	Nesting	TSA	0.38650	0.11227	0.23172
F5N4	SECRETION	Nestlings	Nesting	TSA	0.41078	0.23679	0.41246

F5N4	SECRETION	Nestlings	Nesting	TSA	0.51654	0.22789	0.37658
F5N5	GLANDSWAB	Nestlings	Nesting	KF	0.33143	0.20140	0.00000
F5N5	GLANDSWAB	Nestlings	Nesting	KF	0.33546	0.28556	0.35698
F5N5	GLANDSWAB	Nestlings	Nesting	KF	0.40909	0.00000	0.00000
F5N5	GLANDSWAB	Nestlings	Nesting	KF	0.42488	0.33945	0.25648
F5N5	GLANDSWAB	Nestlings	Nesting	KF	0.46909	0.35122	0.32531
F5N5	GLANDSWAB	Nestlings	Nesting	TSA	0.00000	0.51055	0.00000
F5N5	GLANDSWAB	Nestlings	Nesting	TSA	0.23172	0.47202	0.00000
F5N5	GLANDSWAB	Nestlings	Nesting	TSA	0.23300	0.00000	0.00000
F5N5	GLANDSWAB	Nestlings	Nesting	TSA	0.24428	0.00000	0.00000
F5N5	GLANDSWAB	Nestlings	Nesting	TSA	0.34439	0.00000	0.00000
F5N5	SECRETION	Nestlings	Nesting	KF	0.28330	0.23679	0.30535
F5N5	SECRETION	Nestlings	Nesting	KF	0.33646	0.17026	0.21617
F5N5	SECRETION	Nestlings	Nesting	KF	0.37383	0.27300	0.01703
F5N5	SECRETION	Nestlings	Nesting	KF	0.41664	0.23679	0.36922
F5N5	SECRETION	Nestlings	Nesting	KF	0.42975	0.00000	0.42406
F5N5	SECRETION	Nestlings	Nesting	TSA	0.29557	0.00000	0.28556
F5N5	SECRETION	Nestlings	Nesting	TSA	0.30643	0.00000	0.00000
F5N5	SECRETION	Nestlings	Nesting	TSA	0.31702	0.00000	0.00000
F5N5	SECRETION	Nestlings	Nesting	TSA	0.34830	0.00000	0.00000
F5N5	SECRETION	Nestlings	Nesting	TSA	0.38202	0.00860	0.00000
F5N6	GLANDSWAB	Nestlings	Nesting	KF	0.00000	0.22917	0.23045
F5N6	GLANDSWAB	Nestlings	Nesting	KF	0.26007	0.20003	0.19033
F5N6	GLANDSWAB	Nestlings	Nesting	KF	0.26245	0.21748	0.11727
F5N6	GLANDSWAB	Nestlings	Nesting	KF	0.29667	0.00000	0.00000
F5N6	GLANDSWAB	Nestlings	Nesting	KF	0.33546	0.38202	0.00000
F5N6	GLANDSWAB	Nestlings	Nesting	TSA	0.35025	0.00000	0.00000
F5N6	GLANDSWAB	Nestlings	Nesting	TSA	0.55267	0.00000	0.00000
F5N6	GLANDSWAB	Nestlings	Nesting	TSA	0.58771	0.00000	0.00000
F5N6	GLANDSWAB	Nestlings	Nesting	TSA	0.83155	0.00000	0.32118
F5N6	GLANDSWAB	Nestlings	Nesting	TSA	0.84942	0.26364	0.29447
F5N6	SECRETION	Nestlings	Nesting	KF	0.00647	0.24797	0.41996
F5N6	SECRETION	Nestlings	Nesting	KF	0.21617	0.15685	0.31069

F5N6	SECRETION	Nestlings	Nesting	KF	0.29003	0.27184	0.39182
F5N6	SECRETION	Nestlings	Nesting	KF	0.32118	0.21617	0.33041
F5N6	SECRETION	Nestlings	Nesting	KF	0.47857	0.18611	0.27416
F5N6	SECRETION	Nestlings	Nesting	TSA	0.18327	0.26245	0.00000
F5N6	SECRETION	Nestlings	Nesting	TSA	0.40054	0.00000	0.00000
F5N6	SECRETION	Nestlings	Nesting	TSA	0.43297	0.25406	0.00000
F5N6	SECRETION	Nestlings	Nesting	TSA	0.46761	0.00000	0.45255
F5N6	SECRETION	Nestlings	Nesting	TSA	0.52179	0.00000	0.47349
F6N1	GLANDSWAB	Nestlings	Nesting	KF	0.00000	0.00000	0.00000
F6N1	GLANDSWAB	Nestlings	Nesting	KF	0.29003	0.32838	0.20683
F6N1	GLANDSWAB	Nestlings	Nesting	KF	0.35793	0.00000	0.00000
F6N1	GLANDSWAB	Nestlings	Nesting	TSA	0.00000	0.00000	0.00000
F6N1	GLANDSWAB	Nestlings	Nesting	TSA	0.24180	0.04922	0.22272
F6N1	GLANDSWAB	Nestlings	Nesting	TSA	0.26951	0.00000	0.00000
F6N1	GLANDSWAB	Nestlings	Nesting	TSA	0.40824	0.00000	0.00000
F6N1	GLANDSWAB	Nestlings	Nesting	TSA	0.41497	0.00000	0.00000
F6N1	SECRETION	Nestlings	Nesting	TSA	0.33945	0.00000	0.00000
F6N1	SECRETION	Nestlings	Nesting	TSA	0.50243	0.00000	0.00000
F6N1	SECRETION	Nestlings	Nesting	TSA	0.53529	0.00000	0.00000
F6N1	SECRETION	Nestlings	Nesting	TSA	0.44170	0.00000	0.32940
F6N1	SECRETION	Nestlings	Nesting	TSA	0.53593	0.37014	0.29994
F6N2	GLANDSWAB	Nestlings	Nesting	KF	0.00000	0.00000	0.00000
F6N2	GLANDSWAB	Nestlings	Nesting	KF	0.00000	0.00000	0.00000
F6N2	GLANDSWAB	Nestlings	Nesting	KF	0.30428	0.34044	0.13513
F6N2	GLANDSWAB	Nestlings	Nesting	KF	0.46761	0.39005	0.00000
F6N2	GLANDSWAB	Nestlings	Nesting	KF	0.48996	0.60206	0.00000
F6N2	GLANDSWAB	Nestlings	Nesting	TSA	0.00000	0.00000	0.00000
F6N2	GLANDSWAB	Nestlings	Nesting	TSA	0.43696	0.37199	0.58546
F6N2	GLANDSWAB	Nestlings	Nesting	TSA	0.44560	0.21219	0.47640
F6N2	GLANDSWAB	Nestlings	Nesting	TSA	0.48287	0.00000	0.00000
F6N2	GLANDSWAB	Nestlings	Nesting	TSA	0.58377	0.00000	0.00000
F6N2	SECRETION	Nestlings	Nesting	KF	0.37566	0.30856	0.54900
F6N2	SECRETION	Nestlings	Nesting	TSA	0.27184	0.18327	0.00000

F6N2	SECRETION	Nestlings	Nesting	TSA	0.34439	0.18041	0.00000
F6N2	SECRETION	Nestlings	Nesting	TSA	0.36173	0.10209	0.00000
F6N2	SECRETION	Nestlings	Nesting	TSA	0.41497	0.00000	0.00000
F6N2	SECRETION	Nestlings	Nesting	TSA	0.44012	0.21484	0.00000
F6N3	GLANDSWAB	Nestlings	Nesting	KF	0.00860	0.62014	0.00000
F6N3	GLANDSWAB	Nestlings	Nesting	KF	0.26007	0.00000	0.00000
F6N3	GLANDSWAB	Nestlings	Nesting	KF	0.42406	0.00000	0.00000
F6N3	GLANDSWAB	Nestlings	Nesting	KF	0.44948	0.00000	0.00000
F6N3	GLANDSWAB	Nestlings	Nesting	KF	0.53466	0.46909	0.34044
F6N3	GLANDSWAB	Nestlings	Nesting	TSA	0.00000	0.00000	0.00000
F6N3	GLANDSWAB	Nestlings	Nesting	TSA	0.00000	0.22401	0.27875
F6N3	GLANDSWAB	Nestlings	Nesting	TSA	0.33143	0.00000	0.00000
F6N3	GLANDSWAB	Nestlings	Nesting	TSA	0.36922	0.00000	0.00000
F6N3	GLANDSWAB	Nestlings	Nesting	TSA	0.38471	0.00000	0.00000
F6N3	SECRETION	Nestlings	Nesting	KF	0.30428	0.32531	0.19590
F6N3	SECRETION	Nestlings	Nesting	KF	0.31492	0.38739	0.27646
F6N3	SECRETION	Nestlings	Nesting	KF	0.34635	0.19312	0.27184
F6N3	SECRETION	Nestlings	Nesting	KF	0.46982	0.12385	0.29776
F6N3	SECRETION	Nestlings	Nesting	KF	0.47929	0.31806	0.42813
F6N3	SECRETION	Nestlings	Nesting	TSA	0.28556	0.11059	0.27068
F6N3	SECRETION	Nestlings	Nesting	TSA	0.30320	0.37014	0.25164
F6N3	SECRETION	Nestlings	Nesting	TSA	0.31597	0.29994	0.13830
F6N3	SECRETION	Nestlings	Nesting	TSA	0.35507	0.40312	0.00000
F6N3	SECRETION	Nestlings	Nesting	TSA	0.48643	0.26126	0.00000
F9NX1	GLANDSWAB	Nestlings	Nesting	KF	0.40140	0.34928	0.39094
F9NX1	GLANDSWAB	Nestlings	Nesting	KF	0.43377	0.24304	0.31911
F9NX1	GLANDSWAB	Nestlings	Nesting	KF	0.37107	0.00000	0.00000
F9NX1	GLANDSWAB	Nestlings	Nesting	TSA	0.32222	0.00000	0.00000
F9NX1	GLANDSWAB	Nestlings	Nesting	TSA	0.00000	0.00000	0.00000
F9NX1	GLANDSWAB	Nestlings	Nesting	TSA	0.43854	0.00000	0.00000
F9NX1	GLANDSWAB	Nestlings	Nesting	TSA	0.55991	0.77012	0.44560
F9NX1	GLANDSWAB	Nestlings	Nesting	TSA	0.13672	0.00000	0.00000
F9NX1	SECRETION	Nestlings	Nesting	TSA			0.00000

F9NX1	SECRETION	Nestlings	Nesting	TSA			0.00000
F9NX1	SECRETION	Nestlings	Nesting	TSA			0.00000
F9NX1	SECRETION	Nestlings	Nesting	TSA			0.00000
F9NX1	SECRETION	Nestlings	Nesting	TSA			0.00000
F9NX2	GLANDSWAB	Nestlings	Nesting	KF	0.37107	0.31702	0.38382
F9NX2	GLANDSWAB	Nestlings	Nesting	KF	0.46909	0.32015	0.43056
F9NX2	GLANDSWAB	Nestlings	Nesting	KF	0.35315	0.29226	0.27184
F9NX2	GLANDSWAB	Nestlings	Nesting	KF	0.43136	0.33945	0.30103
F9NX2	GLANDSWAB	Nestlings	Nesting	KF	0.43775	0.25527	0.19451
F9NX2	GLANDSWAB	Nestlings	Nesting	TSA	0.29994	0.00000	0.29994
F9NX2	GLANDSWAB	Nestlings	Nesting	TSA	0.32015	0.03342	0.27875
F9NX2	GLANDSWAB	Nestlings	Nesting	TSA	0.24055	0.00000	0.33445
F9NX2	GLANDSWAB	Nestlings	Nesting	TSA	0.32015	0.11893	0.27184
F9NX2	GLANDSWAB	Nestlings	Nesting	TSA	0.32634	0.00000	0.00000
F9NX2	SECRETION	Nestlings	Nesting	KF	0.55570	0.17464	0.29336
F9NX2	SECRETION	Nestlings	Nesting	KF	0.52569	0.21085	0.24674
F9NX2	SECRETION	Nestlings	Nesting	KF	0.34143	0.35698	0.26364
F9NX2	SECRETION	Nestlings	Nesting	KF	0.40483	0.28443	0.22401
F9NX2	SECRETION	Nestlings	Nesting	KF	0.34044	0.42732	0.41996
F9NX2	SECRETION	Nestlings	Nesting	TSA	0.23300	0.08814	0.40140
F9NX2	SECRETION	Nestlings	Nesting	TSA	0.26834	0.00000	0.27531
F9NX2	SECRETION	Nestlings	Nesting	TSA	0.39094	0.00000	0.29667
F9NX2	SECRETION	Nestlings	Nesting	TSA	0.42570	0.00000	0.34928
F9NX2	SECRETION	Nestlings	Nesting	TSA	0.39094	0.10037	0.30535
G1ADMALE	GLANDSWAB	Males	Non-nesting	KF	0.00000	0.00000	0.00000
G1ADMALE	GLANDSWAB	Males	Non-nesting	KF	0.28443	0.00000	0.00000
G1ADMALE	GLANDSWAB	Males	Non-nesting	TSA	0.26126	0.20817	0.00000
G1ADMALE	GLANDSWAB	Males	Non-nesting	TSA	0.27875	0.13354	0.00000
G1ADMALE	GLANDSWAB	Males	Non-nesting	TSA	0.30963	0.00000	0.00000
G1ADMALE	GLANDSWAB	Males	Non-nesting	TSA	0.38561	0.00000	0.23300
G1ADMALE	GLANDSWAB	Males	Non-nesting	TSA	0.47276	0.26600	0.00000
G1N1	GLANDSWAB	Nestlings	Nesting	KF	0.14922	0.20683	0.19312
G1N1	GLANDSWAB	Nestlings	Nesting	KF	0.27761	0.17464	0.24551

G1N1	GLANDSWAB	Nestlings	Nesting	KF	0.33345	0.28556	0.31597
G1N1	GLANDSWAB	Nestlings	Nesting	KF	0.40398	0.35507	0.30103
G1N1	GLANDSWAB	Nestlings	Nesting	TSA	0.27416	0.31911	0.20817
G1N1	GLANDSWAB	Nestlings	Nesting	TSA	0.32118	0.68664	0.00000
G1N1	GLANDSWAB	Nestlings	Nesting	TSA	0.41996	0.48001	0.32118
G1N1	GLANDSWAB	Nestlings	Nesting	TSA	0.43854	0.37840	0.23300
G1N1	GLANDSWAB	Nestlings	Nesting	TSA	0.45102	0.00000	0.00000
G1N1	SECRETION	Nestlings	Nesting	KF	0.27068	0.30535	0.16137
G1N1	SECRETION	Nestlings	Nesting	KF	0.28556	0.18469	0.23426
G1N1	SECRETION	Nestlings	Nesting	KF	0.36642	0.29667	0.15685
G1N1	SECRETION	Nestlings	Nesting	KF	0.39533	0.13354	0.22660
G1N1	SECRETION	Nestlings	Nesting	KF	0.42894	0.47349	0.33345
G1N1	SECRETION	Nestlings	Nesting	TSA	0.18611	0.41414	0.18752
G1N1	SECRETION	Nestlings	Nesting	TSA	0.19312	0.42570	0.15076
G1N1	SECRETION	Nestlings	Nesting	TSA	0.22272	0.33041	0.25406
G1N1	SECRETION	Nestlings	Nesting	TSA	0.34733	0.33746	0.37014
G1N3	GLANDSWAB	Nestlings	Nesting	KF	0.41581	0.53403	0.26482
G1N3	GLANDSWAB	Nestlings	Nesting	KF	0.50786	0.35218	0.19590
G1N3	GLANDSWAB	Nestlings	Nesting	KF	0.56229	0.39707	0.26007
G1N3	GLANDSWAB	Nestlings	Nesting	KF	0.67806	0.51388	0.29336
G1N3	GLANDSWAB	Nestlings	Nesting	KF	0.70243	0.24920	0.20817
G1N3	GLANDSWAB	Nestlings	Nesting	TSA	0.00000	0.00000	0.00000
G1N3	GLANDSWAB	Nestlings	Nesting	TSA	0.00000	0.00000	0.00000
G1N3	GLANDSWAB	Nestlings	Nesting	TSA	0.27989	0.24920	0.23426
G1N3	GLANDSWAB	Nestlings	Nesting	TSA	0.31911	0.26126	0.00000
G1N3	GLANDSWAB	Nestlings	Nesting	TSA	0.37383	0.17173	0.00000
G1N3	SECRETION	Nestlings	Nesting	KF	0.20817	0.55388	0.26007
G1N3	SECRETION	Nestlings	Nesting	KF	0.26600	0.30750	0.20003
G1N3	SECRETION	Nestlings	Nesting	KF	0.30320	0.43457	0.26482
G1N3	SECRETION	Nestlings	Nesting	KF	0.31597	0.24304	0.20548
G1N3	SECRETION	Nestlings	Nesting	KF	0.33945	0.50920	0.28892
G1N3	SECRETION	Nestlings	Nesting	TSA	0.00000	0.00000	0.00000
G1N3	SECRETION	Nestlings	Nesting	TSA	0.00000	0.00000	0.00000

G1N3	SECRETION	Nestlings	Nesting	TSA	0.00000	0.09691	0.00000
G1N3	SECRETION	Nestlings	Nesting	TSA	0.27300	0.17319	0.00000
G1N3	SECRETION	Nestlings	Nesting	TSA	0.29885	0.57345	0.00000
G1N2	GLANDSWAB	Nestlings	Nesting	KF	0.42243	0.29003	0.24674
G1N2	GLANDSWAB	Nestlings	Nesting	KF	0.45788	0.30428	0.25042
G1N2	GLANDSWAB	Nestlings	Nesting	KF	0.54962	0.19033	0.33041
G1N2	GLANDSWAB	Nestlings	Nesting	KF	0.68485	0.00000	0.25527
G1N2	GLANDSWAB	Nestlings	Nesting	KF	0.72591	0.19312	0.25406
G1N2	GLANDSWAB	Nestlings	Nesting	TSA	0.29336	0.24797	0.19312
G1N2	GLANDSWAB	Nestlings	Nesting	TSA	0.33546	0.18893	0.00000
G1N2	GLANDSWAB	Nestlings	Nesting	TSA	0.35025	0.29336	0.20817
G1N2	GLANDSWAB	Nestlings	Nesting	TSA	0.38828	0.15229	0.27989
G1N2	GLANDSWAB	Nestlings	Nesting	TSA	0.43217	0.00000	0.00000
G1N2	GLANDSWAB	Nestlings	Nesting	TSA		0.22660	
G1N2	SECRETION	Nestlings	Nesting	KF	0.00000	0.17464	0.26951
G1N2	SECRETION	Nestlings	Nesting	KF	0.00000	0.09167	0.17319
G1N2	SECRETION	Nestlings	Nesting	KF	0.26482	0.21748	0.23172
G1N2	SECRETION	Nestlings	Nesting	KF	0.28780	0.00000	0.35507
G1N2	SECRETION	Nestlings	Nesting	KF	0.31069	0.17319	0.29885
G1N2	SECRETION	Nestlings	Nesting	KF	0.60853	0.00000	0.18469
G1N2	SECRETION	Nestlings	Nesting	KF	0.62428	0.15836	0.23553
G1N2	SECRETION	Nestlings	Nesting	TSA	0.14145	0.39533	0.27184
G1N2	SECRETION	Nestlings	Nesting	TSA	0.22789	0.25285	0.12872
G1N2	SECRETION	Nestlings	Nesting	TSA	0.26482	0.31175	0.29667
G1N2	SECRETION	Nestlings	Nesting	TSA	0.26482	0.40824	0.14922
G1N2	SECRETION	Nestlings	Nesting	TSA	0.31702	0.43933	0.29447
G1N2	SECRETION	Nestlings	Nesting	TSA	0.41162	0.00000	0.29003
G1N4	GLANDSWAB	Nestlings	Nesting	KF	0.24674	0.23426	0.30963
G1N4	GLANDSWAB	Nestlings	Nesting	KF	0.30211	0.33244	0.28668
G1N4	GLANDSWAB	Nestlings	Nesting	KF	0.31387	0.29776	0.38292
G1N4	GLANDSWAB	Nestlings	Nesting	KF	0.37566	0.34830	0.24797
G1N4	GLANDSWAB	Nestlings	Nesting	KF	0.44404	0.24797	0.29885
G1N4	GLANDSWAB	Nestlings	Nesting	TSA	0.00000	0.00000	0.00000

G1N4	GLANDSWAB	Nestlings	Nesting	TSA	0.30535	0.00000	0.00000
G1N4	GLANDSWAB	Nestlings	Nesting	TSA	0.31175	0.00000	0.00000
G1N4	GLANDSWAB	Nestlings	Nesting	TSA	0.31281	0.45179	0.34341
G1N4	GLANDSWAB	Nestlings	Nesting	TSA	0.40569	0.32222	0.20952
G1N4	SECRETION	Nestlings	Nesting	KF	0.18611	0.42813	0.31281
G1N4	SECRETION	Nestlings	Nesting	KF	0.20548	0.38021	0.08991
G1N4	SECRETION	Nestlings	Nesting	KF	0.20683	0.37291	0.04922
G1N4	SECRETION	Nestlings	Nesting	KF	0.36829	0.24304	0.25768
G1N4	SECRETION	Nestlings	Nesting	KF	0.54654	0.35889	0.22401
G1N4	SECRETION	Nestlings	Nesting	TSA	0.21352	0.30963	0.26364
G1N4	SECRETION	Nestlings	Nesting	TSA	0.24797	0.39620	0.30320
G1N4	SECRETION	Nestlings	Nesting	TSA	0.29003	0.22141	0.00000
G1N4	SECRETION	Nestlings	Nesting	TSA	0.30963	0.43933	0.35411
G1N4	SECRETION	Nestlings	Nesting	TSA	0.32531	0.42078	0.28556
G1N3	GLANDSWAB	Nestlings	Nesting	KF	0.10721	0.30643	0.25042
G1N3	GLANDSWAB	Nestlings	Nesting	KF	0.20817	0.21748	0.27416
G1N3	GLANDSWAB	Nestlings	Nesting	KF	0.24551	0.32222	0.19312
G1N3	GLANDSWAB	Nestlings	Nesting	KF	0.24674	0.27989	0.19451
G1N3	GLANDSWAB	Nestlings	Nesting	KF	0.33945	0.30428	0.34537
G1N3	GLANDSWAB	Nestlings	Nesting	TSA	0.24180	0.29226	0.27416
G1N3	GLANDSWAB	Nestlings	Nesting	TSA	0.30428	0.43136	0.00000
G1N3	GLANDSWAB	Nestlings	Nesting	TSA	0.30535	0.31069	0.16879
G1N3	GLANDSWAB	Nestlings	Nesting	TSA	0.48996	0.12385	0.00000
G1N3	SECRETION	Nestlings	Nesting	KF	0.35603	0.60853	0.29447
G1N3	SECRETION	Nestlings	Nesting	KF	0.38828	0.42488	0.20683
G1N3	SECRETION	Nestlings	Nesting	KF	0.49136	0.00000	0.31911
G1N3	SECRETION	Nestlings	Nesting	KF	0.56703	0.38292	0.26007
G1N3	SECRETION	Nestlings	Nesting	KF	0.59550	0.40993	0.20412
G1N3	SECRETION	Nestlings	Nesting	TSA	0.26482	0.39794	0.41913
G1N3	SECRETION	Nestlings	Nesting	TSA	0.30963	0.39094	0.34928
G1N3	SECRETION	Nestlings	Nesting	TSA	0.32838	0.31911	0.29115
G1N3	SECRETION	Nestlings	Nesting	TSA	0.37475	0.38382	0.00000
G1N3	SECRETION	Nestlings	Nesting	TSA	0.42570	0.42732	0.24551

GIN1	GLANDSWAB	Nestlings	Nesting	KF	0.25768	0.34635	0.24920
GIN1	GLANDSWAB	Nestlings	Nesting	KF	0.29115	0.21085	0.24551
GIN1	GLANDSWAB	Nestlings	Nesting	KF	0.46240	0.35122	0.34635
GIN1	GLANDSWAB	Nestlings	Nesting	KF	0.49136	0.44248	0.18469
GIN1	GLANDSWAB	Nestlings	Nesting	KF			0.00000
GIN1	GLANDSWAB	Nestlings	Nesting	TSA	0.25648	0.39967	0.29226
GIN1	GLANDSWAB	Nestlings	Nesting	TSA	0.28330	0.00000	0.00000
GIN1	GLANDSWAB	Nestlings	Nesting	TSA	0.30856	0.00000	0.00000
GIN1	GLANDSWAB	Nestlings	Nesting	TSA	0.31492	0.00000	0.00000
GIN1	GLANDSWAB	Nestlings	Nesting	TSA	0.39270	0.50853	0.27184
GIN1	SECRETION	Nestlings	Nesting	KF	0.40654	0.55267	0.16286
GIN1	SECRETION	Nestlings	Nesting	KF	0.44248	0.44483	0.26600
GIN1	SECRETION	Nestlings	Nesting	KF	0.61172	0.35218	0.22401
GIN1	SECRETION	Nestlings	Nesting	KF	0.62737	0.23172	0.14145
GIN1	SECRETION	Nestlings	Nesting	KF	0.73119	0.36549	0.37199
GIN1	SECRETION	Nestlings	Nesting	TSA	0.11727	0.40054	0.29336
GIN1	SECRETION	Nestlings	Nesting	TSA	0.20003	0.46165	0.25164
GIN1	SECRETION	Nestlings	Nesting	TSA	0.23930	0.33345	0.23553
GIN1	SECRETION	Nestlings	Nesting	TSA	0.24428	0.46464	0.32015
GIN1	SECRETION	Nestlings	Nesting	TSA	0.29667	0.34928	0.09342
GIN1	SECRETION	Nestlings	Nesting	TSA	0.39881	0.00000	0.14457
GIN4	GLANDSWAB	Nestlings	Nesting	KF	0.18469	0.26007	0.33546
GIN4	GLANDSWAB	Nestlings	Nesting	KF	0.26717	0.00000	0.22789
GIN4	GLANDSWAB	Nestlings	Nesting	KF	0.36455	0.27300	0.32118
GIN4	GLANDSWAB	Nestlings	Nesting	KF	0.40398	0.25042	0.20548
GIN4	GLANDSWAB	Nestlings	Nesting	KF	0.42813	0.21880	0.37840
GIN4	GLANDSWAB	Nestlings	Nesting	TSA	0.00000	0.00000	0.00000
GIN4	GLANDSWAB	Nestlings	Nesting	TSA	0.00000	0.00000	0.13672
GIN4	GLANDSWAB	Nestlings	Nesting	TSA	0.18041	0.44483	0.15836
GIN4	GLANDSWAB	Nestlings	Nesting	TSA	0.27300	0.22272	0.33041
GIN4	GLANDSWAB	Nestlings	Nesting	TSA	0.35984	0.37383	0.35411
GIN4	SECRETION	Nestlings	Nesting	KF	0.35122	0.15987	0.25527
GIN4	SECRETION	Nestlings	Nesting	TSA	0.00000	0.00000	0.00000

G1N4	SECRETION	Nestlings	Nesting	TSA	0.23045	0.36642	0.33041
G1N4	SECRETION	Nestlings	Nesting	TSA	0.24055	0.23045	0.00000
G1N4	SECRETION	Nestlings	Nesting	TSA	0.39533	0.36455	0.19173
G1N4	SECRETION	Nestlings	Nesting	TSA	0.41078	0.31492	0.22141
G1N2	GLANDSWAB	Nestlings	Nesting	KF	0.00000	0.27989	0.27531
G1N2	GLANDSWAB	Nestlings	Nesting	KF	0.40483	0.27068	0.34928
G1N2	GLANDSWAB	Nestlings	Nesting	KF	0.56644	0.25042	0.22272
G1N2	GLANDSWAB	Nestlings	Nesting	KF	0.62325	0.00000	0.23679
G1N2	GLANDSWAB	Nestlings	Nesting	KF	0.73799	0.25164	0.37566
G1N2	GLANDSWAB	Nestlings	Nesting	TSA	0.00000	0.00000	0.00000
G1N2	GLANDSWAB	Nestlings	Nesting	TSA	0.24428	0.27300	0.15685
G1N2	GLANDSWAB	Nestlings	Nesting	TSA	0.32838	0.20276	0.00000
G1N2	GLANDSWAB	Nestlings	Nesting	TSA	0.42651	0.24180	0.38828
G1N2	GLANDSWAB	Nestlings	Nesting	TSA	0.67256	0.82086	0.63296
G1N2	SECRETION	Nestlings	Nesting	KF	0.29336	0.30750	0.33345
G1N2	SECRETION	Nestlings	Nesting	KF	0.35218	0.22660	0.29885
G1N2	SECRETION	Nestlings	Nesting	KF	0.40909	0.40993	0.31069
G1N2	SECRETION	Nestlings	Nesting	KF	0.48996	0.30750	0.26717
G1N2	SECRETION	Nestlings	Nesting	KF	0.66181	0.23553	0.27300
G1N2	SECRETION	Nestlings	Nesting	TSA	0.30643	0.20003	0.31281
G1N2	SECRETION	Nestlings	Nesting	TSA	0.40054	0.26364	0.35411
G1N2	SECRETION	Nestlings	Nesting	TSA	0.43457	0.20003	0.39445
G1N2	SECRETION	Nestlings	Nesting	TSA	0.43933	0.32736	0.20140
G2N1	GLANDSWAB	Nestlings	Nesting	KF	0.00000	0.00000	0.48287
G2N1	GLANDSWAB	Nestlings	Nesting	KF	0.39620	0.19033	0.00000
G2N1	GLANDSWAB	Nestlings	Nesting	KF	0.43457	0.00000	0.00000
G2N1	GLANDSWAB	Nestlings	Nesting	KF	0.49900	0.00000	0.00000
G2N1	GLANDSWAB	Nestlings	Nesting	KF	0.53466	0.00000	0.00000
G2N1	GLANDSWAB	Nestlings	Nesting	TSA	0.24304	0.00000	0.00000
G2N1	GLANDSWAB	Nestlings	Nesting	TSA	0.32838	0.00000	0.00000
G2N1	GLANDSWAB	Nestlings	Nesting	TSA	0.34733	0.00000	0.00000
G2N1	GLANDSWAB	Nestlings	Nesting	TSA	0.38202	0.00000	0.00000
G2N1	GLANDSWAB	Nestlings	Nesting	TSA	0.38382	0.00000	0.00000

G2N1	SECRETION	Nestlings	Nesting	TSA	0.25406	0.00000	0.00000
G2N1	SECRETION	Nestlings	Nesting	TSA	0.26951	0.00000	0.00000
G2N1	SECRETION	Nestlings	Nesting	TSA	0.44012		0.00000
G2N2	GLANDSWAB	Nestlings	Nesting	KF	0.33041	0.16879	0.00000
G2N2	GLANDSWAB	Nestlings	Nesting	KF	0.40993	0.37014	0.39270
G2N2	GLANDSWAB	Nestlings	Nesting	KF	0.42243	0.00000	0.00000
G2N2	GLANDSWAB	Nestlings	Nesting	KF	0.46982	0.35507	0.36173
G2N2	GLANDSWAB	Nestlings	Nesting	KF	0.50447	0.14768	0.00000
G2N2	GLANDSWAB	Nestlings	Nesting	TSA	0.00000	0.36078	0.00000
G2N2	GLANDSWAB	Nestlings	Nesting	TSA	0.00000	0.08636	0.05500
G2N2	GLANDSWAB	Nestlings	Nesting	TSA	0.00000	0.00000	0.21352
G2N2	GLANDSWAB	Nestlings	Nesting	TSA	0.00000	0.43136	0.00000
G2N2	GLANDSWAB	Nestlings	Nesting	TSA	0.29336	0.00000	0.00000
G2N2	GLANDSWAB	Nestlings	Nesting	TSA	0.31911	0.25648	0.00000
G2N2	GLANDSWAB	Nestlings	Nesting	TSA	0.34044	0.00000	0.00000
G2N2	GLANDSWAB	Nestlings	Nesting	TSA	0.36642	0.00000	0.00000
G2N2	GLANDSWAB	Nestlings	Nesting	TSA	0.37107	0.00000	0.00000
G2N2	GLANDSWAB	Nestlings	Nesting	TSA	0.38292	0.58490	0.51851
G2N2	SECRETION	Nestlings	Nesting	KF	0.38561	0.32531	0.39005
G2N2	SECRETION	Nestlings	Nesting	KF	0.39707	0.10721	0.33945
G2N2	SECRETION	Nestlings	Nesting	KF	0.43854	0.23553	0.42488
G2N2	SECRETION	Nestlings	Nesting	KF	0.47857	0.13988	0.30103
G2N2	SECRETION	Nestlings	Nesting	KF	0.48996	0.30103	0.23553
G2N2	SECRETION	Nestlings	Nesting	TSA	0.26717	0.00000	0.27531
G2N2	SECRETION	Nestlings	Nesting	TSA	0.30320	0.25527	0.34537
G2N2	SECRETION	Nestlings	Nesting	TSA	0.31175	0.00000	0.26951
G2N2	SECRETION	Nestlings	Nesting	TSA	0.44012	0.35218	0.42894
G2N2	SECRETION	Nestlings	Nesting	TSA	0.46315	0.29447	0.31911
G2N3	GLANDSWAB	Nestlings	Nesting	KF	0.36922	0.30103	0.28330
G2N3	GLANDSWAB	Nestlings	Nesting	KF	0.42651	0.00000	0.00000
G2N3	GLANDSWAB	Nestlings	Nesting	KF	0.49554	0.00000	0.00000
G2N3	GLANDSWAB	Nestlings	Nesting	KF	0.51521	0.30643	0.30963
G2N3	GLANDSWAB	Nestlings	Nesting	KF	0.61331	0.00000	0.00000

G2N3	GLANDSWAB	Nestlings	Nesting	TSA	0.00000	0.18327	0.62014
G2N3	GLANDSWAB	Nestlings	Nesting	TSA	0.34733	0.22401	0.00000
G2N3	GLANDSWAB	Nestlings	Nesting	TSA	0.45939	0.00000	0.00000
G2N3	GLANDSWAB	Nestlings	Nesting	TSA	0.48287	0.25164	0.00000
G2N3	GLANDSWAB	Nestlings	Nesting	TSA	0.60477	0.00000	0.13513
G2N3	SECRETION	Nestlings	Nesting	KF	0.38828	0.35411	0.35507
G2N3	SECRETION	Nestlings	Nesting	KF	0.39881	0.26600	0.25768
G2N3	SECRETION	Nestlings	Nesting	KF	0.43537	0.34635	0.39620
G2N3	SECRETION	Nestlings	Nesting	KF	0.48359	0.23426	0.40824
G2N3	SECRETION	Nestlings	Nesting	KF	0.52699	0.38917	0.30535
G2N3	SECRETION	Nestlings	Nesting	TSA	0.00000	0.13354	0.00000
G2N3	SECRETION	Nestlings	Nesting	TSA	0.16286	0.08814	0.40569
G2N3	SECRETION	Nestlings	Nesting	TSA	0.44716	0.00000	0.00000
G2N3	SECRETION	Nestlings	Nesting	TSA	0.45179	0.14768	0.36455
G2N3	SECRETION	Nestlings	Nesting	TSA	0.61066	0.12710	0.36736
GR1N1	GLANDSWAB	Nestlings	Nesting	KF	0.00000	0.00000	0.00000
GR1N1	GLANDSWAB	Nestlings	Nesting	KF	0.00000	0.18752	0.35793
GR1N1	GLANDSWAB	Nestlings	Nesting	KF	0.38021	0.19728	0.32940
GR1N1	GLANDSWAB	Nestlings	Nesting	KF	0.40569	0.20548	0.25648
GR1N1	GLANDSWAB	Nestlings	Nesting	KF	0.42894	0.22917	0.29557
GR1N1	GLANDSWAB	Nestlings	Nesting	TSA	0.28103	0.30428	0.00000
GR1N1	GLANDSWAB	Nestlings	Nesting	TSA	0.33846	0.00000	0.45332
GR1N1	GLANDSWAB	Nestlings	Nesting	TSA	0.34733	0.00000	0.00000
GR1N1	GLANDSWAB	Nestlings	Nesting	TSA	0.35315	0.00000	0.51917
GR1N1	GLANDSWAB	Nestlings	Nesting	TSA	0.39881	0.00000	0.00000
GR1N1	SECRETION	Nestlings	Nesting	KF	0.26717	0.17319	0.41913
GR1N1	SECRETION	Nestlings	Nesting	KF	0.44871	0.11394	0.34928
GR1N1	SECRETION	Nestlings	Nesting	KF	0.45025	0.19866	0.48287
GR1N1	SECRETION	Nestlings	Nesting	KF	0.46389	0.28892	0.32015
GR1N1	SECRETION	Nestlings	Nesting	KF	0.49206	0.17754	0.29336
GR1N1	SECRETION	Nestlings	Nesting	TSA	0.00000	0.00000	0.00000
GR1N1	SECRETION	Nestlings	Nesting	TSA	0.00000	0.00000	0.00000
GR1N1	SECRETION	Nestlings	Nesting	TSA	0.00000	0.00000	0.00000

GR1N1	SECRETION	Nestlings	Nesting	TSA	0.00000	0.00000	0.00000
GR1N1	SECRETION	Nestlings	Nesting	TSA	0.00000	0.00000	0.00000
GR1N1	SECRETION	Nestlings	Nesting	TSA	0.26364	0.30856	0.00000
GR1N2	GLANDSWAB	Nestlings	Nesting	KF	0.30856	0.09691	0.26364
GR1N2	GLANDSWAB	Nestlings	Nesting	KF	0.39358	0.10037	0.45408
GR1N2	GLANDSWAB	Nestlings	Nesting	KF	0.41078	0.19866	0.34635
GR1N2	GLANDSWAB	Nestlings	Nesting	KF	0.48501	0.12057	0.49066
GR1N2	GLANDSWAB	Nestlings	Nesting	KF	0.52179	0.15076	0.42160
GR1N2	GLANDSWAB	Nestlings	Nesting	TSA	0.00000	0.00000	0.00000
GR1N2	GLANDSWAB	Nestlings	Nesting	TSA	0.25042	0.40569	0.38382
GR1N2	GLANDSWAB	Nestlings	Nesting	TSA	0.34143	0.30963	0.41913
GR1N2	GLANDSWAB	Nestlings	Nesting	TSA	0.43136	0.21352	0.00000
GR1N2	GLANDSWAB	Nestlings	Nesting	TSA	0.48216	0.00000	0.00000
GR1N2	SECRETION	Nestlings	Nesting	KF	0.37566	0.25406	0.36267
GR1N2	SECRETION	Nestlings	Nesting	KF	0.42570	0.21085	0.29557
GR1N2	SECRETION	Nestlings	Nesting	KF	0.44483	0.25527	0.31806
GR1N2	SECRETION	Nestlings	Nesting	KF	0.46315	0.23426	0.33846
GR1N2	SECRETION	Nestlings	Nesting	KF	0.56937	0.27531	0.35411
GR1N2	SECRETION	Nestlings	Nesting	TSA	0.34830	0.00000	0.00000
GR1N2	SECRETION	Nestlings	Nesting	TSA	0.35507	0.00000	0.00000
GR1N2	SECRETION	Nestlings	Nesting	TSA	0.36829	0.00000	0.00000
GR1N2	SECRETION	Nestlings	Nesting	TSA	0.43854	0.36078	0.38471
GR1N2	SECRETION	Nestlings	Nesting	TSA	0.51851	0.28556	0.25888
