

Table S4.

A) Post hoc Tukey test for mean Acrosome length between all pair comparisons from southern localities: 5=Lebu, 6=Isla Mocha Punta los Piures, 7= Isla Mocha Faro Viejo, 8= Isla Mocha Caleta Derrumbe, 9= Mehuín, 10=Valdivia, 11=Pucatrihue, 12=Chiloé, 13=Punta Pirámide, 14=Puerto Madryn 15=Comodoro Rivadavia, 16=Punta Arenas.

nord	Effect	NLOC	_NLOC	Estimate	StdErr	DF	tValue	Probt	Adjustment	AdjP	Alpha	Lower	Upper	AdjLower	AdjUpper
1	NLOC	5	6	0.3388801	0.04055134	346	8.36	0.0000	Tukey-Kramer	0.0000	0.05	0.25912195	0.41863825	0.20544018	0.47232001
2	NLOC	5	7	0.37966875	0.04397879	346	8.63	0.0000	Tukey-Kramer	0.0000	0.05	0.29316933	0.46616818	0.23495031	0.5243872
3	NLOC	5	8	0.4554613	0.03882934	346	11.73	0.0000	Tukey-Kramer	0.0000	0.05	0.37909006	0.53183255	0.32768787	0.58323473
4	NLOC	5	9	0.09994597	0.03522579	346	2.84	0.0048	Tukey-Kramer	0.1692	0.05	0.03066234	0.1692296	-0.01596948	0.21586142
5	NLOC	5	10	0.39201274	0.04442377	346	8.82	0.0000	Tukey-Kramer	0.0000	0.05	0.30463812	0.47938736	0.24583005	0.53819544
6	NLOC	5	11	0.42511332	0.04021913	346	10.57	0.0000	Tukey-Kramer	0.0000	0.05	0.34600856	0.50421807	0.29276657	0.55746006
7	NLOC	5	12	-0.07541175	0.04558863	346	-1.65	0.0990	Tukey-Kramer	0.8872	0.05	-0.16507747	0.01425397	-0.22542759	0.07460408
8	NLOC	5	13	0.33320882	0.03972342	346	8.39	0.0000	Tukey-Kramer	0.0000	0.05	0.25507906	0.41133858	0.20249329	0.46392435
9	NLOC	5	14	0.28167105	0.03883339	346	7.25	0.0000	Tukey-Kramer	0.0000	0.05	0.20529183	0.35805027	0.15388428	0.40945781
10	NLOC	5	15	0.09057598	0.03818164	346	2.37	0.0182	Tukey-Kramer	0.4279	0.05	0.01547865	0.16567331	-0.03506611	0.21621807
11	NLOC	5	16	-0.14278683	0.04497408	346	-3.17	0.0016	Tukey-Kramer	0.0701	0.05	-0.23124383	-0.05432983	-0.29078042	0.00520675
12	NLOC	6	7	0.04078866	0.03566801	346	1.14	0.2536	Tukey-Kramer	0.9924	0.05	-0.02936476	0.11094207	-0.07658199	0.1581593
13	NLOC	6	8	0.1165812	0.0353207	346	3.30	0.0011	Tukey-Kramer	0.0485	0.05	0.04711091	0.1860515	0.00035345	0.23280895
14	NLOC	6	9	-0.23893413	0.03928845	346	-6.08	0.0000	Tukey-Kramer	0.0000	0.05	-0.31620838	-0.16165988	-0.36821834	-0.10964992
15	NLOC	6	10	0.05313265	0.03580272	346	1.48	0.1387	Tukey-Kramer	0.9441	0.05	-0.01728571	0.123551	-0.06468126	0.17094655
16	NLOC	6	11	0.08623322	0.03513146	346	2.45	0.0146	Tukey-Kramer	0.3725	0.05	0.01713513	0.15533131	-0.02937181	0.20183825
17	NLOC	6	12	-0.41429185	0.03620982	346	-11.44	0.0000	Tukey-Kramer	0.0000	0.05	-0.48551092	-0.34307278	-0.56344539	-0.29513831
18	NLOC	6	13	-0.00567128	0.03516671	346	-0.16	0.8720	Tukey-Kramer	1.0000	0.05	-0.07483871	0.06349615	-0.12139232	0.11004976
19	NLOC	6	14	-0.05720905	0.0353197	346	-1.62	0.1062	Tukey-Kramer	0.9009	0.05	-0.12667738	0.01225928	-0.17343351	0.05901542
20	NLOC	6	15	-0.24830412	0.03552192	346	-6.99	0.0000	Tukey-Kramer	0.0000	0.05	-0.31817019	-0.17843805	-0.36519402	-0.13141422
21	NLOC	6	16	-0.48166693	0.03619969	346	-13.31	0.0000	Tukey-Kramer	0.0000	0.05	-0.55286607	-0.41046779	-0.60078714	-0.36254672
22	NLOC	7	8	0.07579255	0.03649703	346	2.08	0.0386	Tukey-Kramer	0.6398	0.05	0.00400858	0.14757651	-0.0443061	0.1958912
23	NLOC	7	9	-0.27972278	0.04242979	346	-6.59	0.0000	Tukey-Kramer	0.0000	0.05	-0.36317555	-0.19627002	-0.419344	-0.14010157
24	NLOC	7	10	0.01234399	0.03513265	346	0.35	0.7255	Tukey-Kramer	1.0000	0.05	-0.05675646	0.08144443	-0.10326498	0.12795296
25	NLOC	7	11	0.04544456	0.03579118	346	1.27	0.2050	Tukey-Kramer	0.9823	0.05	-0.02495111	0.11584023	-0.07233139	0.16322051
26	NLOC	7	12	-0.45508051	0.03522086	346	-12.92	0.0000	Tukey-Kramer	0.0000	0.05	-0.52435445	-0.38580657	-0.57097975	-0.33918127
27	NLOC	7	13	-0.04645994	0.03600514	346	-1.29	0.1978	Tukey-Kramer	0.9799	0.05	-0.11727643	0.02435656	-0.16493994	0.07202007
28	NLOC	7	14	-0.09799771	0.03649445	346	-2.69	0.0076	Tukey-Kramer	0.2381	0.05	-0.1697766	-0.02621882	-0.21808787	0.02209245
29	NLOC	7	15	-0.28909277	0.03695824	346	-7.82	0.0000	Tukey-Kramer	0.0000	0.05	-0.36178386	-0.21640169	-0.41070908	-0.16747646
30	NLOC	7	16	-0.52245559	0.03544827	346	-14.74	0.0000	Tukey-Kramer	0.0000	0.05	-0.59217679	-0.45273438	-0.63910312	-0.40580805
31	NLOC	8	9	-0.35551533	0.03777118	346	-9.41	0.0000	Tukey-Kramer	0.0000	0.05	-0.42980535	-0.28122532	-0.47980674	-0.23122392
32	NLOC	8	10	-0.06344856	0.03670292	346	-1.73	0.0848	Tukey-Kramer	0.8538	0.05	-0.13563747	0.00874035	-0.1842247	0.05732759
33	NLOC	8	11	-0.03034799	0.03525628	346	-0.86	0.3900	Tukey-Kramer	0.9994	0.05	-0.09969159	0.03899562	-0.14636377	0.0856678
34	NLOC	8	12	-0.53087306	0.0372862	346	-14.24	0.0000	Tukey-Kramer	0.0000	0.05	-0.60420919	-0.45753692	-0.65356857	-0.40817754
35	NLOC	8	13	-0.12225248	0.03518194	346	-3.47	0.0006	Tukey-Kramer	0.0281	0.05	-0.19144986	-0.0530551	-0.23802363	-0.00648133
36	NLOC	8	14	-0.17379025	0.03512501	346	-4.95	0.0000	Tukey-Kramer	0.0001	0.05	-0.24287566	-0.10470485	-0.28937406	-0.05820645
37	NLOC	8	15	-0.36488532	0.03516063	346	-10.38	0.0000	Tukey-Kramer	0.0000	0.05	-0.43404008	-0.29572984	-0.48058636	-0.24918428
38	NLOC	8	16	-0.59824813	0.03714114	346	-16.11	0.0000	Tukey-Kramer	0.0000	0.05	-0.67129896	-0.52519731	-0.72046631	-0.47602996
39	NLOC	9	10	0.29206677	0.0428453	346	6.82	0.0000	Tukey-Kramer	0.0000	0.05	0.20779675	0.37633679	0.15107825	0.4330553
40	NLOC	9	11	0.32516735	0.03899148	346	8.34	0.0000	Tukey-Kramer	0.0000	0.05	0.24847719	0.40181575	0.19686037	0.45347432
41	NLOC	9	12	-0.17535772	0.04393912	346	-3.99	0.0001	Tukey-Kramer	0.0045	0.05	-0.26177912	-0.08893633	-0.31994562	-0.03076983
42	NLOC	9	13	0.2326285	0.03855178	346	6.05	0.0000	Tukey-Kramer	0.0000	0.05	0.15743752	0.30908818	0.10640277	0.36012293
43	NLOC	9	14	0.18172508	0.03777468	346	4.81	0.0000	Tukey-Kramer	0.0001	0.05	0.10742819	0.25602197	0.05742216	0.306028
44	NLOC	9	15	-0.00936999	0.03721841	346	-0.25	0.8014	Tukey-Kramer	1.0000	0.05	-0.08257278	0.06383281	-0.13184242	0.11310244
45	NLOC	9	16	-0.2427328	0.04338442	346	-5.59	0.0000	Tukey-Kramer	0.0000	0.05	-0.32806319	-0.15740242	-0.38549538	-0.09997022
46	NLOC	10	11	0.03310057	0.03593916	346	0.92	0.3577	Tukey-Kramer	0.9989	0.05	-0.03758614	0.10378729	-0.08516231	0.15136346
47	NLOC	10	12	-0.4674245	0.03517442	346	-13.29	0.0000	Tukey-Kramer	0.0000	0.05	-0.53660708	-0.39824191	-0.58317089	-0.35167811
48	NLOC	10	13	-0.05880392	0.0361733	346	-1.63	0.1049	Tukey-Kramer	0.8987	0.05	-0.12995116	0.01234331	-0.17783729	0.06022944
49	NLOC	10	14	-0.1103417	0.03670016	346	-3.01	0.0028	Tukey-Kramer	0.1111	0.05	-0.18252519	-0.0381582	-0.23110877	0.01042538
50	NLOC	10	15	-0.30143676	0.03719277	346	-8.10	0.0000	Tukey-Kramer	0.0000	0.05	-0.37458914	-0.22828439	-0.42382484	-0.17904869
51	NLOC	10	16	-0.53479958	0.03543016	346	-15.09	0.0000	Tukey-Kramer	0.0000	0.05	-0.60448518	-0.46511397	-0.65138754	-0.41821161
52	NLOC	11	12	-0.50052507	0.03637924	346	-13.76	0.0000	Tukey-Kramer	0.0000	0.05	-0.57207736	-0.42897278	-0.62023612	-0.38081402
53	NLOC	11	13	-0.0919045	0.03514037	346	-2.62	0.0093	Tukey-Kramer	0.2752	0.05	-0.16102011	-0.02278888	-0.20753884	0.02372985
54	NLOC	11	14	-0.14344227	0.03525546	346	-4.07	0.0001	Tukey-Kramer	0.0034	0.05	-0.21278426	-0.07410027	-0.25945536	-0.02742917
55	NLOC	11	15	-0.33453734	0.03542781	346	-9.44	0.0000	Tukey-Kramer	0.0000	0.05	-0.40421831	-0.26485636	-0.45111756	-0.21795711
56	NLOC	11	16	-0.56790015	0.03634407	346	-15.63	0.0000	Tukey-Kramer	0.0000	0.05	-0.63938325	-0.49641704	-0.68749544	-0.44830486
57	NLOC	12	13	0.40862057	0.03666342	346	11.15	0.0000	Tukey-Kramer	0.0000	0.05	0.33650934	0.4807318	0.28797439	0.52926675
58	NLOC	12	14	0.3570828	0.03728301	346	9.58	0.0000	Tukey-Kramer	0.0000	0.05	0.28375294	0.43041267	0.23439778	0.47976783
59	NLOC	12	15	0.16598773	0.0378465	346	4.39	0.0000	Tukey-Kramer	0.0009	0.05	0.09154958	0.24042589	0.04144848	0.29052699
60	NLOC	12	16	-0.06737508	0.03545242	346	-1.90	0.0582	Tukey-Kramer	0.7583	0.05	-0.13710446	0.0023543	-0.18403629	0.04928613
61	NLOC	13	14	-0.05153777	0.0351814	346	-1.46	0.1439	Tukey-Kramer	0.9489	0.05	-0.12073409	0.01765855	-0.16730714	0.0642316
62	NLOC	13	15	-0.24263284	0.0353073	346	-6.87	0.0000	Tukey-Kramer	0.0000	0.05	-0.31207678	-0.1731889	-0.35881649	-0.12644919
63	NLOC	13	16	-0.47599565	0.03659006	346	-13.01	0.0000	Tukey-Kramer	0.0000	0.05	-0.54796259	-0.40402871	-0.59640042	-0.35559088
64	NLOC	14	15	-0.19109507	0.03516106	346	-5.43	0.0000	Tukey-Kramer	0.0000	0.05	-0.26025139	-0.12193875	-0.30679752	-0.07539262
65	NLOC	14	16	-0.42445788	0.03713829	346	-11.43	0.0000	Tukey-Kramer	0.0000	0.05	-0.49750309	-0.35141267	-0.54666667	-0.30224909
66	NLOC	15	16	-0.23336281	0.03764667	346	-6.20	0.0000	Tukey-Kramer	0.0000	0.05	-0.30740794	-0.15931768	-0.35724452	-0.10948111

B) Least square means of Acrosome length between southern localities. Sample codes in Table 1

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