

THE OLDEST SPECIES OF DOLICHOTIS (RODENTIA, HYSTRICOGNATHI) FROM THE PLIOCENE OF ARGENTINA: REDESCRIPTION AND TAXONOMIC STATUS OF ORTHOMYCTERA CHAPALMALENSE  
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PCoA based on living Caviioidea

Gower's index of similarity

Transformation exponent: c=2

Axis	Eigenvalue	Percent
1	0.59199	57.259
2	0.15195	14.697
3	0.10125	9.7932
4	0.075352	7.2883
5	0.042783	4.1381
6	0.02571	2.4867
7	0.0064859	0.62734
8	0.0014927	0.14437
9	-1,78E-13	-1,722E-12
10	-0.00049145	-0.047535
11	-0.0015634	-0.15122
12	-0.016223	-15691
13	-0.018589	-1798

Scores	Coord 1	Coord 2	Coord 3	Coord 4	Coord 5	Coord 6	Coord 7	Coord 8
1	0.43519	-0.025724	-0.1863	0.60716	-0.0058113	0.012118	-0.24368	0.15887
2	0.52223	0.018624	-0.05374	-0.20832	0.18255	-0.39706	0.026557	-0.14025
3	0.51368	-0.13317	-0.059715	-0.25256	-0.13197	0.34821	0.20294	0.018434
4	-0.060169	-0.28089	0.58753	-0.018004	-0.24983	-0.088292	0.39028	0.33578
5	-0.050613	-0.17978	0.54612	0.062838	-0.07368	0.04562	-0.4475	-0.5039
6	-0.22285	-0.0040374	-0.034985	0.54949	0.29055	0.31944	0.39277	-0.17788
7	-0.18289	-0.14264	-0.30678	-0.16444	-0.27667	-0.16548	0.084201	-0.30587
8	-0.24088	-0.11991	-0.23099	0.0065588	-0.34654	0.11378	-0.52108	0.31742
9	-0.18129	-0.062479	-0.33876	-0.15119	-0.25528	0.17079	0.26581	-0.061382
10	-0.21727	-0.074587	-0.14601	-0.10745	0.38138	-0.23894	-0.019733	-0.30091
11	-0.19983	-0.14785	-0.021634	-0.022869	0.36606	-0.40033	-0.027345	0.48641
12	-0.052674	0.31174	0.11641	-0.38575	0.41219	0.51619	-0.18606	0.17667
13	-0.06263	0.84071	0.12885	0.084534	-0.29293	-0.23605	0.082838	-0.0033906

Gower's index of similarity  
Transformation exponent: c=4

Axis	Eigenvalue	Percent
1	0.95109	42.901
2	0.15269	6.8875
3	0.091952	4.1477
4	0.06759	3.0488
5	0.035096	1.5831
6	0.028263	1.2749
7	0.02452	1.106
8	0.016582	0.74797
9	0.01491	0.67255
10	0.010921	0.49261
11	0.0087194	0.39331
12	0.0062666	0.28267
13	0.0050285	0.22682
14	0.0040463	0.18252
15	0.0033915	0.15298
16	0.0028372	0.12798
17	0.0019749	0.089081
18	0.0018362	0.082826
19	0.0013414	0.060509
20	0.0012807	0.057771
21	0.00052234	0.023561
22	0.00025829	0.011651
23	0.00020844	0.0094023
24	-1.008E-12	-4.545E-11
25	-0.00010643	-0.0048008
26	-0.00025956	-0.011708
27	-0.00056486	-0.025479
28	-0.00078416	-0.035371
29	-0.00093635	-0.042236
30	-0.0011398	-0.051412
31	-0.0017379	-0.078393
32	-0.0020561	-0.092743
33	-0.0026088	-0.11768
34	-0.0029041	-0.131
35	-0.0032498	-0.14659
36	-0.0035762	-0.16131
37	-0.0049831	-0.22477
38	-0.0070196	-0.31664
39	-0.0076717	-0.34605
40	-0.0086559	-0.39045
41	-0.010687	-0.48206
42	-0.015322	-0.69111
43	-0.016659	-0.75144
44	-0.020664	-0.93212
45	-0.028307	-1.2769
46	-0.034905	-1.5744
47	-0.060358	-2.7226
48	-0.10077	-4.5456
49	-0.44969	-20.284

Scores	Coord 1	Coord 2	Coord 3	Coord 4	Coord 5	Coord 6	Coord 7	Coord 8	Coord 9	Coord 10	Coord 11	Coord 12
1	0.39365	-0.018946	-0.23068	0.50524	-0.16453	-0.035969	0.062935	0.079401	-0.034157	0.016958	-0.04492	0.019
2	0.44786	-0.16757	0.042116	-0.08199	0.50216	-0.16945	-0.088374	-0.021506	-0.00093455	-0.0302	-0.016148	-0.01284
3	0.4648	-0.077938	0.05455	-0.34302	-0.35129	0.21071	0.010283	-0.042234	0.030031	0.024386	0.055761	-0.0060626
4	0.20222	0.44058	0.50867	0.1337	0.058397	0.013437	0.11324	-0.070425	0.028494	-0.028842	-0.013416	0.035588
5	0.048583	-0.056795	0.10174	-0.015302	-0.2421	-0.37109	0.1202	0.093004	-0.32499	-0.19742	-0.12076	0.098776
6	0.057203	0.041599	0.023727	0.00048327	-0.059532	-0.11419	-0.18809	0.048205	-0.046652	0.12938	-0.057394	-0.12723
7	0.050694	0.064943	0.008338	-0.089399	-0.16864	-0.27723	-0.22771	-0.05818	0.234	-0.058687	0.27448	-0.12599
8	0.053869	0.038091	0.0020857	-0.03592	-0.10146	-0.23149	-0.125	-0.10333	0.087597	0.11924	0.012786	-0.037787
9	0.010821	-0.020367	0.062685	-0.083643	-0.16561	-0.22001	-0.15188	-0.046534	-0.05821	0.079549	-0.1192	-0.076276
10	-0.032299	0.071762	0.021453	0.031044	0.27707	-0.22057	-0.051036	0.18844	0.076087	0.16992	-0.12828	0.10087
11	0.025683	0.20035	-0.017448	-0.2678	0.031798	0.035479	-0.080976	0.46682	-0.018148	0.068279	-0.048133	0.072552
12	0.016382	0.064063	-0.016301	0.050447	-0.083996	0.058313	-0.15796	0.21613	0.14846	-0.12123	0.11341	0.15215
13	-0.1215	0.10261	-0.12133	0.15297	0.08094	0.0043406	-0.12787	0.16396	-0.20053	-0.014171	0.40791	0.034246
14	-0.0054618	0.15449	-0.17927	0.10609	0.29952	0.17542	-0.23399	-0.062655	-0.162	-0.02373	-0.16634	0.073316
15	-0.0071525	0.13887	-0.20525	0.13799	-0.063001	0.23499	-0.02052	-0.020133	0.19375	0.27066	0.080335	-0.12242
16	0.0085484	0.11603	-0.1921	0.13982	-0.055323	0.22045	-0.043723	-0.039398	0.080388	0.18519	-0.06342	-0.0011462
17	-0.020712	0.18119	-0.21508	-0.18351	-0.045446	0.011976	-0.22444	-0.23731	-0.14199	-0.1656	0.0014707	0.18077
18	-0.0093735	0.087236	-0.14395	0.10449	-0.040316	-0.12871	0.028707	0.0066925	-0.01839	-0.031019	0.055908	0.3322
19	0.026809	0.032035	-0.16474	-0.11746	0.033574	-0.034705	0.22998	-0.021207	0.1111	-0.10436	0.10531	-0.014906
20	0.0068166	0.045065	-0.20315	-0.043842	-0.13959	0.0044555	0.28814	0.14596	0.067132	-0.0061336	0.065503	-0.0050614
21	0.027981	0.029149	-0.16381	-0.11756	-0.0055167	0.077018	0.29718	-0.010607	0.057594	-0.13356	0.039099	0.089181
22	0.031209	0.08278	0.00047344	-0.13035	0.042333	0.020743	0.15788	-0.076623	-0.33252	0.36626	0.17729	-0.04585
23	0.03225	0.069125	-0.13268	-0.042919	0.1547	-0.0023192	0.12511	-0.071527	-0.044717	-0.089649	0.10175	-0.1801
24	-0.014071	0.16091	-0.11152	0.088298	-0.038846	-0.065363	0.037656	0.14722	-0.11363	-0.28356	-0.15413	-0.41933
25	0.012823	0.029864	-0.12371	-0.075504	0.15318	0.078394	0.07902	-0.089636	0.19375	0.081601	-0.089588	0.11771
26	0.021068	0.063203	-0.10344	-0.031301	0.11663	-0.13442	0.043211	-0.15034	0.14644	0.06453	-0.2326	-0.051733
27	0.041207	-0.10055	0.041324	-0.10174	0.030118	0.14873	0.00073381	-0.076637	-0.0074145	-0.13383	-0.44739	0.14287
28	-0.034432	0.012233	0.019553	0.0039374	0.041314	0.024453	-0.022126	0.04671	-0.0092399	-0.019374	-0.0011027	0.033642
29	0.035351	-0.042181	0.058992	-0.0147	0.021613	0.050093	-0.041312	-0.020597	-0.069108	-0.028055	0.0050622	-0.091989
30	0.035065	-0.071368	0.085688	-0.028258	0.027969	0.017325	-0.23367	-0.073082	-0.1555	-0.21639	0.065777	-0.048941
31	-0.25434	0.32578	0.24735	0.055279	-0.063594	-0.015067	0.20016	-0.03698	0.053642	-0.14098	-0.0016171	0.13284
32	-0.026392	0.0039888	0.11625	-0.070304	-0.037913	0.15086	0.031878	-0.053947	0.068668	0.012836	0.079517	-0.08276
33	0.042033	-0.078218	0.085712	-0.025261	0.036208	0.11551	-0.01068	0.035239	-0.12518	-0.13775	0.08918	0.011974
34	-0.033045	-0.022263	0.030495	-0.10364	-0.041914	0.13538	-0.071389	-0.04635	-0.021836	0.060502	0.077169	-0.092281
35	0.012954	-0.039393	0.063648	-0.031052	0.035395	0.1556	-0.020022	-0.10716	0.034364	0.036976	-0.13939	-0.11986
36	-0.13654	0.14126	0.19472	-0.034149	0.024728	0.045863	0.12477	-0.017289	0.11348	-0.10835	0.0031295	-0.23619
37	-0.040991	-0.13379	0.079594	0.13786	-0.11957	0.025187	-0.0081624	-0.31611	-0.18564	0.064354	0.053805	0.22926
38	-0.043157	-0.17977	0.0083994	0.023384	-0.0090233	-0.086498	0.065279	-0.072931	0.085633	0.055391	0.046296	0.42756
39	-0.17442	-0.2007	-0.089389	-0.18111	0.26797	-0.2664	0.2275	-0.070005	-0.025467	0.051128	0.17745	-0.1321
40	-0.01278	-0.17528	0.09768	0.044833	-0.13949	-0.062631	0.21495	-0.064743	0.16608	0.13461	-0.10262	0.040678
41	-0.19618	-0.017512	-0.063547	0.073223	-0.043442	-0.13924	0.13907	-0.18293	0.0044243	0.17535	-0.14328	-0.14172
42	-0.032983	-0.26908	0.059608	-0.0090172	-0.062956	0.022771	0.08533	0.52024	-0.044191	0.16168	-0.083029	0.0059228
43	-0.28254	0.051531	0.15025	-0.15569	-0.013603	0.050853	-0.21686	0.11746	-0.039189	0.26891	-0.12831	0.14355
44	-0.027842	-0.26582	0.16423	0.039964	0.035345	0.080418	-0.17293	0.020207	0.041601	-0.076787	0.055958	-0.094335
45	-0.16205	-0.10272	-0.036172	0.19264	0.029708	-0.081158	-0.10952	0.045562	0.28287	-0.30911	0.058851	0.10962
46	-0.21898	-0.16541	-0.14711	0.064669	-0.14898	0.061329	-0.077786	-0.0043498	-0.13966	-0.12433	-0.3151	-0.18138
47	-0.17833	-0.18041	-0.059863	-0.18383	-0.04949	0.1852	-0.064676	-0.069566	-0.096527	-0.12979	0.18334	0.0089779
48	-0.042318	-0.14834	0.17115	0.30597	-0.032782	-0.05672	-0.12902	-0.080811	-0.096442	0.21783	0.14679	-0.16059
49	0.0020188	-0.21431	0.22008	0.2069	0.18725	0.29795	0.20651	0.073838	-0.16773	-0.10263	0.082036	0.015624

Scores	Coord 13	Coord 14	Coord 15	Coord 16	Coord 17	Coord 18	Coord 19	Coord 20	Coord 21	Coord 22	Coord 23
1	-0.031488	0.047482	0.016566	-0.029037	0.0095155	0.0021409	0.0014411	-0.0055449	0.014681	0.0015803	-0.0026757
2	0.016575	-0.019792	-0.028485	0.011965	-0.0073552	-0.028843	-0.029568	0.011816	-0.019509	0.017642	0.010602
3	-7.1424E-05	-0.022468	0.013056	0.012264	-0.0041537	0.028903	0.026126	-0.0086584	0.0065948	-0.016669	-0.0090198
4	-0.03906	0.032714	-0.01291	-0.0016427	-0.041453	-0.019132	-0.018663	-0.026965	0.0071625	-0.019098	-0.018486
5	-0.26735	-0.12534	-0.062679	0.040613	0.099088	-0.087497	0.044993	-0.1521	0.013984	-0.05231	0.078078
6	0.27465	-0.27907	-0.17469	0.071303	-0.0056726	-0.070549	-0.15854	-0.16554	0.18167	-0.02602	0.13145
7	-0.021801	0.12542	-0.097856	-0.13249	0.1009	-0.058512	0.19917	-0.091949	-0.12667	-0.16314	-0.027967
8	0.052303	0.019488	0.06682	0.19068	0.32007	0.32557	-0.092414	0.13073	-0.021555	0.27878	0.13302
9	0.091137	0.049693	0.12281	-0.11771	-0.55131	0.082796	-0.047265	0.23763	-0.0055479	-0.032767	-0.1305
10	0.022441	0.10439	-0.25091	0.26648	-0.14476	-0.30337	-0.012807	0.069392	-0.032743	-0.060181	0.034258
11	-0.067363	0.061574	0.13766	-0.1471	-0.0060362	0.10687	-0.056286	-0.10118	-0.005345	0.022063	0.075995
12	-0.096749	-0.35741	-0.049375	0.074098	-0.017166	0.032879	0.1256	0.35732	0.090798	-0.071277	-0.13222
13	-0.11029	-0.03396	0.18079	0.12568	-0.1259	-0.066628	0.017879	-0.038875	0.067768	0.060763	0.059895
14	0.0013224	-0.042927	-0.058962	-0.23233	-0.082451	0.052068	0.11546	-0.029993	-0.057358	0.1167	-0.23473
15	0.013287	-0.032711	-0.0013795	-0.056004	0.14225	-0.2687	-0.13552	-0.155	0.018536	0.084351	-0.059733
16	0.015277	0.086619	0.012504	0.10535	-0.2197	0.37035	0.028034	0.15404	-0.10273	-0.18876	0.28199
17	0.058006	0.0059622	-0.21126	0.15089	0.054735	-0.14032	-0.11914	0.063025	-0.00048557	0.03727	-0.02202
18	0.28276	-0.00219	0.42426	-0.11624	0.027568	-0.037203	-0.011994	-0.076426	0.013454	-0.12241	0.022975
19	-0.020292	-0.086657	-0.18406	-0.053088	-0.17994	-0.048731	-0.13429	0.024437	-0.40819	-0.073192	-0.09792
20	0.13555	0.17836	-0.11296	-0.078153	0.0070741	0.06161	0.084488	-0.042721	0.30001	0.21298	-0.21946
21	0.013794	-0.25039	-0.043062	0.1413	-0.057504	0.1432	0.16773	-0.12763	-0.087274	-0.04693	0.18484
22	0.041879	-0.11198	0.025915	-0.047479	0.049013	-0.042627	0.1445	0.25132	-0.15814	-0.021279	-0.14279
23	-0.036326	0.10396	-0.071988	-0.17606	0.077377	0.047326	-0.26563	0.090207	0.42773	-0.10446	0.32965
24	0.065081	0.035146	0.19566	0.20123	0.019696	-0.11493	0.040257	0.083545	-0.16801	-0.0030985	-0.090829
25	-0.21154	0.26298	0.15599	0.12957	0.26592	-0.027334	0.0043936	0.13078	-0.060224	-0.041534	-0.12667
26	-0.35565	-0.20027	0.13591	-0.10206	-0.15898	-0.069176	0.087863	-0.21581	0.18717	0.08368	-0.09338
27	0.26421	-0.069407	0.12073	-0.12834	0.22759	-0.029158	-0.052395	0.10518	-0.11638	0.10321	-0.092169
28	0.039198	-0.052209	-0.1526	-0.023054	-0.043064	0.16126	-0.30582	-0.26559	-0.10019	0.37113	0.16065
29	0.020875	0.053898	-0.071622	0.12896	0.026308	0.3617	0.11825	-0.25746	0.11559	-0.27795	-0.30084
30	0.030032	0.017886	0.22525	-0.020501	0.16583	0.077256	-0.1171	0.064157	0.0085511	-0.059295	0.023684
31	0.25497	0.074769	0.083357	-0.1758	0.011765	-0.096834	-0.046116	-0.031417	-0.036306	-0.11781	0.086204
32	-0.22645	-0.019298	0.097154	-0.016124	0.036156	-0.11918	-0.23113	-0.18191	0.15082	-0.15887	-0.39042
33	-0.024277	0.46897	-0.025608	0.18078	-0.0041326	-0.18297	0.1582	0.19522	0.19724	0.083494	0.087264
34	0.01085	-0.035122	0.07153	0.019741	0.059738	-0.24515	0.45938	-0.20644	-0.20174	0.29288	0.23218
35	-0.04465	0.15413	-0.13282	-0.1583	-0.016301	-0.060797	0.07141	-0.099826	-0.13501	-0.43114	0.32339
36	-0.06442	-0.04175	-0.24626	-0.12074	-0.031245	0.18032	0.10723	0.26553	0.065413	0.30043	-0.051626
37	0.092148	0.27021	-0.14968	0.12878	-0.23515	0.067289	-0.003123	-0.23982	-0.020712	0.15546	-0.13871
38	-0.064604	-0.10582	-0.16085	-0.27371	0.070585	-0.057835	0.18532	0.17517	0.20843	-0.039144	0.08434
39	0.11158	0.062637	0.20384	-0.10456	-0.026765	0.17307	0.069191	-0.084796	-0.031972	0.014885	-0.029951
40	-0.24848	0.035706	0.2544	0.16234	-0.14422	-0.11196	-0.25548	0.12729	-0.10108	0.13845	0.10778
41	0.20714	-0.16392	-0.12084	0.30533	0.19779	-0.055249	0.045043	0.065552	0.11706	-0.18785	-0.093165
42	0.1527	0.16026	-0.18852	-0.10015	0.092964	-0.027292	-0.091807	-0.024013	-0.11405	-0.04192	-0.098812
43	-0.19959	-0.0051824	0.076255	0.17079	0.069352	0.16597	0.039275	-0.086293	0.062732	-0.059169	0.033698
44	0.29726	-0.090895	0.16257	0.072301	-0.1835	-0.11464	0.11065	-0.045662	0.18093	0.049938	0.0049833
45	-0.14623	0.090424	-0.13576	0.037873	0.1026	0.17067	-0.038781	-0.065533	-0.23259	-0.020569	-0.068864
46	-0.15108	0.046659	-0.011789	-0.17048	-0.059795	-0.048453	0.14011	0.021292	0.11807	0.040183	0.079921
47	-0.040148	-0.10256	-0.04729	0.0025554	-0.08552	-0.16651	-0.33285	0.11315	-0.05723	-0.039506	0.0092473
48	-0.089315	-0.063021	-0.022188	-0.32981	0.19342	0.0088385	-0.075783	0.10918	-0.16999	0.020039	-0.009726
49	-0.0077997	-0.23498	0.043381	0.1801	0.0047741	0.079478	0.040496	-0.018789	0.01665	-0.047742	0.052546

Gower's index of similarity

Transformation exponent: c=2

Axis	Eigenvalue	Percent
1	1.0749	34.557
2	0.31714	10.196
3	0.21113	6.7876
4	0.16539	5.317
5	0.10533	3.386
6	0.091825	2.952
7	0.078864	2.5353
8	0.063499	2.0414
9	0.060907	1.9581
10	0.046674	1.5005
11	0.031826	1.0231
12	0.031216	1.0035
13	0.026237	0.84346
14	0.023986	0.77111
15	0.016727	0.53774
16	0.014983	0.48169
17	0.011002	0.35369
18	0.0085655	0.27536
19	0.0079406	0.25528
20	0.0053474	0.17191
21	0.0031412	0.10098
22	0.00071376	0.022946
23	-1.4029E-16	-4.5102E-15
24	-1.8409E-05	-0.0005918
25	-0.001057	-0.033981
26	-0.0020026	-0.064381
27	-0.0036428	-0.11711
28	-0.0046896	-0.15076
29	-0.0071679	-0.23044
30	-0.0083206	-0.26749
31	-0.010363	-0.33314
32	-0.013006	-0.41812
33	-0.013929	-0.44778
34	-0.017329	-0.55709
35	-0.018223	-0.58583
36	-0.02489	-0.80017
37	-0.026382	-0.84814
38	-0.030614	-0.98418
39	-0.03103	-0.99755
40	-0.042094	-1.3533
41	-0.046219	-1.4858
42	-0.058504	-1.8808
43	-0.072587	-2.3335
44	-0.090334	-2.9041
45	-0.19081	-6.1342

Scores	Coord 1	Coord 2	Coord 3	Coord 4	Coord 5	Coord 6	Coord 7	Coord 8	Coord 9	Coord 10	Coord 11
1	0.013065	-0.35003	0.20696	0.1034	-0.065766	-0.013381	-0.2565	0.22765	-0.018327	-0.15035	0.17235
2	0.11415	-0.29288	-0.096221	0.057914	0.085308	-0.067545	0.072884	-0.076894	-0.22027	-0.13401	-0.1428
3	0.12014	-0.32521	-0.032549	0.13672	0.16962	-0.077988	0.08536	-0.13817	0.23645	0.15956	0.12609
4	0.10924	-0.29398	0.0037291	0.11216	0.061119	-0.10196	0.11643	-0.12627	-0.011099	0.0070478	-0.047476
5	0.02544	-0.31522	0.048371	0.18835	-0.14768	0.048485	-0.023103	0.065109	0.090722	-0.19637	-0.061228
6	0.097395	-0.078049	-0.059087	0.20423	-0.039667	0.34831	0.062238	-0.0015063	-0.1488	0.18873	-0.070541
7	0.23371	-0.088561	-0.034316	-0.0020569	0.18232	0.38658	-0.013081	0.14209	-0.060491	-0.029021	0.0042552
8	0.12694	-0.13237	-0.20068	0.10492	0.23198	-0.087225	0.06534	0.0051859	-0.022653	0.13429	0.070945
9	0.05878	0.17688	-0.28574	0.24281	-0.091792	-0.013984	-0.40008	0.064684	0.043076	0.1721	0.12963
10	0.15006	0.21626	-0.29336	0.0027353	-0.21331	0.04576	-0.023079	0.12304	-0.025446	-0.089709	-0.32679
11	0.14811	0.24476	-0.17358	0.095859	-0.034334	-0.0017871	0.1212	-0.18751	-0.11663	-0.094551	0.21036
12	0.14468	0.21167	-0.18576	0.068867	-0.046814	-0.076568	0.11004	-0.14159	-0.16611	-0.07918	-0.0365
13	0.20271	0.10902	0.1186	-0.043738	-0.15982	-0.062878	0.040209	0.23955	0.12234	0.039043	0.10353
14	0.15449	0.02936	-0.041725	0.10261	-0.089943	-0.23406	0.12684	0.19406	-0.13906	0.28351	-0.011545
15	0.12616	0.16171	0.29168	0.015626	0.1976	-0.049041	-0.082457	0.035346	0.04789	0.05019	-0.0079288
16	0.12648	0.16696	0.28173	0.01678	0.19968	-0.022818	-0.09504	0.059237	-0.044354	0.074702	0.021228
17	0.12401	0.18764	0.28589	-0.031008	0.18445	-0.071797	-0.088786	0.099181	-0.07478	0.014887	-0.077612
18	0.17483	-0.023134	0.11186	-0.043738	-0.11085	-0.010116	-0.24593	-0.16107	-0.32873	-0.094612	0.14584
19	0.149	0.14912	0.12759	-0.10964	0.098158	-0.078049	-0.096292	-0.13387	0.076015	0.011187	-0.15019
20	0.19962	-0.023477	0.0035403	-0.042026	0.11606	-0.17597	0.16142	0.028976	0.13847	-0.28241	-0.0006081
21	0.096267	0.20844	0.13141	-0.02484	-0.050201	0.18756	0.23735	-0.054235	0.19596	0.06348	0.050263
22	0.11977	0.11257	0.13595	0.094785	-0.058827	0.10126	0.23526	-0.096972	0.17674	-0.25142	0.031484
23	-0.020027	-0.026698	0.061316	-0.35569	-0.088465	-0.16437	0.36449	0.4131	-0.19707	-0.10671	-0.001275
24	0.015623	-0.0097997	-0.021117	-0.10886	-0.012694	0.10722	-0.074843	0.18101	0.058936	0.010275	-0.1964
25	0.0060313	-0.10622	-0.027728	-0.22084	-0.046718	-0.040423	-0.045676	-0.012803	0.037566	0.048803	-0.3591
26	-0.021262	-0.1686	-0.13334	-0.21515	-0.11649	-0.14663	-0.10322	0.095515	0.30802	0.059763	-0.16383
27	0.026202	-0.010369	-0.029342	-0.027005	-0.065624	-0.041359	0.099008	-0.0423	0.016789	0.06527	0.010073
28	-0.037288	-0.003698	-0.009514	-0.15975	-0.027067	0.15446	0.0073332	-0.16395	0.060443	-0.057902	0.24895
29	-0.024191	-0.079289	-0.037266	-0.38265	-0.085191	0.10594	-0.16004	-0.082094	0.076498	0.33813	0.16112
30	-0.012125	-0.025704	-0.04069	-0.22792	-0.16073	0.099986	0.01083	-0.091517	0.041931	0.068656	0.37709
31	-0.011846	-0.021322	-0.036496	-0.33375	-0.1015	0.015147	0.14398	-0.20708	-0.0068778	-0.062077	0.10196
32	-0.029534	-0.023302	0.036243	-0.15694	0.1783	0.095612	-0.06403	-0.28179	0.16548	-0.11584	-0.21918
33	-0.17467	-0.032394	0.0267	0.049272	-0.36174	-0.19532	-0.12427	-0.03297	-0.079466	0.1053	-0.018262
34	-0.17507	-0.008285	0.14889	0.11101	-0.076666	-0.074088	0.14863	0.10275	-0.0615	0.24227	0.089122
35	-0.18314	0.069862	0.34243	0.13232	-0.17422	0.029518	-0.10989	-0.14941	0.099855	0.20315	-0.17629
36	-0.18103	-0.035772	0.18338	0.13049	-0.027241	0.0097984	0.14655	-0.021593	-0.11426	-0.086182	0.16912
37	-0.13812	0.052915	0.19318	0.18547	-0.29597	-0.084497	0.08511	-0.15306	-0.042445	-0.090575	-0.18259
38	-0.24037	-0.024408	0.024299	-0.046302	0.21898	0.29859	-0.015949	0.20894	-0.32764	0.076049	-0.033619
39	-0.23237	0.0028217	-0.14364	0.11368	-0.097269	0.45075	-0.0087145	0.0081018	0.051373	-0.093789	-0.15897
40	-0.24855	0.0054142	-0.1086	0.022772	0.22584	-0.088097	0.30008	-0.028607	0.039038	0.11751	-0.056442
41	-0.21301	0.10445	-0.12448	0.16189	0.26234	-0.11885	0.078346	0.047414	0.27886	0.14852	-0.013561
42	-0.23552	0.1037	-0.051413	0.031258	0.038831	-0.068429	-0.021881	0.19035	0.15609	-0.42051	0.13484
43	-0.23135	0.12423	-0.060763	0.01944	0.085349	0.00011256	-0.16965	0.21173	0.15739	-0.11011	0.20258
44	-0.22351	-0.025535	-0.16707	0.085264	0.098195	-0.1865	-0.066944	-0.25975	-0.16886	-0.11773	0.045164
45	-0.22993	0.086434	-0.11948	-0.15813	0.21246	-0.13137	-0.20663	-0.09797	-0.30105	-0.019382	-0.093246

Scores	Coord 12	Coord 13	Coord 14	Coord 15	Coord 16	Coord 17	Coord 18	Coord 19	Coord 20	Coord 21	Coord 22
1	0.14523	-0.03382	0.26268	-0.16459	0.12194	-0.102	-0.041919	-0.09289	-0.055105	0.0076652	0.068087
2	-0.15292	-0.048569	-0.07121	-0.12128	-0.097637	-0.24037	-0.03864	0.11113	0.072716	0.13013	0.18813
3	-0.12331	-0.077921	0.0171	-0.15924	-0.1018	0.17942	-0.14065	-0.15172	-0.072756	0.26224	-0.087618
4	-0.12757	-0.20243	0.028143	0.18527	0.20225	0.010431	0.25022	0.015421	-0.12522	-0.51475	0.12138
5	-0.076597	0.23977	-0.29504	0.22155	-0.14016	0.19021	0.012357	0.073667	0.30038	0.06078	-0.15685
6	0.074985	0.27948	-0.20936	0.014835	-0.031986	0.12447	-0.14654	0.20909	-0.22223	0.052711	0.077685
7	0.088817	-0.10197	-0.2635	-0.018846	0.029481	-0.089476	0.12407	-0.24885	0.029577	0.01166	-0.046023
8	0.27952	0.113	0.11021	-0.012782	0.19992	-0.14614	0.19043	0.14303	0.18508	0.077536	-0.10113
9	0.077657	0.014823	0.019161	0.099803	-0.13008	-0.094275	0.076133	-0.035316	0.003533	-0.05996	-0.086453
10	0.2124	0.11549	-0.0089773	-0.29356	-0.11613	0.1573	-0.1377	-0.05365	-0.064627	-0.16024	0.11503
11	-0.20135	0.014122	-0.089124	-0.001351	-0.14997	-0.37488	0.0056803	0.028754	-0.070681	0.10027	0.086477
12	-0.16849	0.12286	-0.072819	0.2521	0.26524	0.27317	0.11453	-0.22934	0.17369	0.044548	-0.17423
13	-0.16419	-0.10488	-0.076664	-0.11059	0.22293	0.0034512	0.13633	0.26901	-0.15041	0.13446	0.056942
14	0.14964	-0.16906	0.034639	0.10532	-0.13869	0.02988	-0.32639	-0.07242	0.12877	-0.085937	-0.080044
15	-0.085028	0.029568	0.040022	-0.088568	-0.080829	0.098831	0.0096547	0.057214	0.19681	0.20473	0.40716
16	-0.24999	0.067932	-0.06433	0.022553	-0.067023	-0.027819	0.047004	-0.044826	-0.2829	-0.099476	-0.2473
17	0.057895	0.054435	0.078686	-0.022686	0.090633	-0.032669	0.14956	-0.1815	0.22579	-0.028025	0.030779
18	0.15577	-0.11598	-0.10556	0.0021734	-0.087042	0.26728	0.092319	0.099891	-0.036681	0.078842	-0.051048
19	-0.10359	-0.098574	-0.17792	-0.12886	0.1066	-0.074915	-0.30004	0.29171	0.022741	-0.17467	-0.27745
20	0.061294	0.28193	0.1738	0.24977	-0.11501	-0.032996	-0.2283	-0.016364	-0.085642	-0.036251	0.11587
21	0.14247	-0.2128	0.092084	0.22439	0.095782	0.13554	0.03953	0.17225	-0.0083046	0.056734	0.24878
22	0.19356	-0.16651	0.21613	-0.14338	-0.11372	-0.041439	0.035663	-0.15575	-0.022208	-0.012395	-0.26218
23	0.13147	-0.037129	-0.064017	-0.088262	-0.049531	-0.02444	0.08287	-0.025803	-0.18236	-0.0016153	-0.044661
24	-0.39982	-0.099343	0.1752	-0.11075	0.029483	-0.083719	-0.12414	-0.0069927	0.33721	-0.29755	0.015176
25	-0.08836	-0.16814	0.17577	0.28811	-0.19191	0.085221	0.31793	0.090215	-0.13382	0.2932	-0.15531
26	0.11036	-0.14841	-0.12747	0.031479	-0.034867	-0.076253	-0.10509	-0.043764	-0.0038952	0.014981	0.030815
27	0.038535	0.061486	-0.2553	-0.092776	0.08998	-0.13797	-0.0052422	-0.25098	-0.2738	0.044299	0.25634
28	0.060224	-0.20453	0.013417	0.044335	0.11314	-0.27684	-0.23275	-0.036707	0.063882	0.16561	-0.27605
29	-0.009312	0.24385	0.036652	0.14365	0.10212	0.015639	-0.093647	0.13788	-0.14006	-0.095345	-0.093187
30	-0.091251	0.10322	0.17845	-0.093115	-0.38106	0.0037795	0.30977	-0.12331	0.1323	-0.30803	0.093292
31	-0.1016	0.084445	0.066615	-0.11219	0.097601	0.25702	-0.20565	-0.11455	0.23226	0.16303	0.14822
32	0.17278	0.23647	-0.15286	-0.23213	0.14958	-0.022617	0.17941	0.12188	-0.12511	-0.090587	0.047061
33	-0.17463	0.1139	-0.092816	-0.088856	0.30903	-0.13362	0.079145	-0.22265	-0.014313	0.13332	0.066622
34	0.10398	0.067542	-0.038299	-0.3677	0.08639	0.13378	0.15643	0.24568	0.18931	-0.0096928	-0.21103
35	0.15956	-0.065273	-0.25942	0.065587	-0.20842	-0.042099	0.011616	-0.22594	-0.012877	-0.0016632	0.032377
36	0.1258	0.055065	-0.11836	0.30202	0.16169	0.0059167	-0.26794	0.075991	-0.017381	-0.22958	0.14328
37	-0.12994	0.08551	0.33928	0.020646	-0.044401	-0.22218	0.018981	0.17527	-0.071883	0.10139	-0.040062
38	-0.24841	0.01259	0.012794	-0.027954	-0.068616	0.077013	-0.12942	-0.087347	-0.18197	0.094918	-0.047774
39	0.02537	-0.1793	0.04246	0.050901	0.1276	-0.047456	0.012707	-0.028528	0.11858	-0.021717	0.017208
40	0.050134	0.22826	-0.1394	0.049538	-0.30464	-0.2031	0.030933	0.070887	0.1449	-0.045775	-0.027627
41	-0.068158	-0.00055654	0.20427	0.029743	0.13123	0.15467	-0.026318	-0.24813	-0.13053	0.024191	0.036387
42	-0.027602	0.19566	-0.0069869	-0.053243	0.040657	0.10527	0.036593	-0.015625	-0.11596	-0.005501	-0.20483
43	-0.060199	-0.19416	-0.20683	0.095605	-0.075117	0.040639	0.067772	0.29433	0.070934	0.097221	0.20862
44	-0.016229	-0.31516	-0.014637	-0.18934	-0.15175	0.29754	-0.062607	0.062055	-0.15789	-0.15536	0.025821
45	0.25111	-0.077348	0.17402	0.096154	0.10711	-0.11924	0.02533	-0.032399	0.13016	0.079646	0.033322