

Online Resource 3. Genetic distance matrix for the 104 accessions of *Cucurbita pepo* .Li Gong et al., Genetic relationships and evolution in *Cucurbita pepo* (pumpkin, squash, gourd) as re

Accession	1	2	3	4	5	6	7	8
	T-AC-DLC	T-AC-GGP	T-AC-JBL	T-AC-RAC	T-AC-SWD	T-AC-TQE	T-CN-BFR	T-CN-EAC
1 T-AC-DLC	0.000							
2 T-AC-GGP	0.307	0.000						
3 T-AC-JBL	0.326	0.182	0.000					
4 T-AC-RAC	0.385	0.232	0.226	0.000				
5 T-AC-SWD	0.209	0.203	0.282	0.314	0.000			
6 T-AC-TQE	0.390	0.221	0.255	0.095	0.285	0.000		
7 T-CN-BFR	0.443	0.382	0.406	0.416	0.428	0.407	0.000	
8 T-CN-EAC	0.417	0.356	0.373	0.336	0.372	0.335	0.239	0.000
9 T-CN-ESC	0.422	0.353	0.369	0.340	0.368	0.346	0.272	0.098
10 T-CN-EYC	0.388	0.348	0.380	0.404	0.394	0.402	0.210	0.191
11 T-CN-YSC	0.449	0.412	0.407	0.381	0.400	0.380	0.319	0.259
12 T-GO-AWM	0.342	0.436	0.431	0.409	0.394	0.395	0.436	0.366
13 T-GO-ODS	0.428	0.402	0.343	0.373	0.412	0.372	0.438	0.442
14 T-GO-SCT	0.401	0.441	0.409	0.399	0.389	0.384	0.401	0.380
15 T-GO-SPR	0.370	0.386	0.357	0.430	0.375	0.416	0.374	0.399
16 T-GT-684	0.384	0.423	0.433	0.386	0.426	0.389	0.464	0.418
17 T-GT-688	0.385	0.402	0.412	0.352	0.391	0.345	0.417	0.382
18 T-GT-691	0.404	0.435	0.402	0.405	0.438	0.410	0.421	0.393
19 T-GT-693	0.371	0.387	0.384	0.359	0.362	0.338	0.416	0.368
20 T-GT-WTX	0.368	0.399	0.375	0.356	0.381	0.356	0.428	0.366
21 T-SC-BGT	0.355	0.324	0.343	0.326	0.375	0.331	0.312	0.288
22 T-SC-GBS	0.379	0.396	0.406	0.395	0.392	0.387	0.369	0.299
23 T-SC-PVT	0.365	0.341	0.388	0.391	0.366	0.390	0.365	0.299
24 T-SC-WBS	0.317	0.368	0.399	0.381	0.336	0.394	0.356	0.318
25 T-SC-YBS	0.389	0.385	0.368	0.391	0.416	0.397	0.414	0.347
26 T-SN-CRE	0.449	0.432	0.461	0.471	0.397	0.468	0.390	0.316
27 T-SN-EPS	0.381	0.364	0.417	0.406	0.331	0.411	0.366	0.298
28 T-SN-SBU	0.401	0.390	0.431	0.403	0.352	0.401	0.344	0.282
29 T-SN-SFF	0.408	0.375	0.445	0.423	0.378	0.401	0.377	0.272
30 T-SN-SNE	0.394	0.374	0.417	0.408	0.355	0.406	0.354	0.262
31 F-GF-354	0.586	0.570	0.541	0.517	0.532	0.486	0.546	0.465
32 F-GF-355	0.609	0.607	0.590	0.552	0.568	0.527	0.561	0.492
33 F-GF-356	0.601	0.579	0.556	0.526	0.569	0.495	0.548	0.474
34 F-GF-683	0.597	0.560	0.577	0.535	0.571	0.512	0.597	0.505
35 F-GF-WM2	0.563	0.587	0.571	0.541	0.535	0.517	0.543	0.482
36 P-CO-018	0.688	0.659	0.701	0.659	0.636	0.652	0.680	0.623
37 P-CO-288	0.700	0.692	0.680	0.705	0.648	0.678	0.686	0.672
38 P-CO-307	0.747	0.682	0.683	0.640	0.687	0.654	0.676	0.644
39 P-CO-469	0.714	0.686	0.720	0.698	0.663	0.672	0.673	0.643
40 P-CO-610	0.777	0.694	0.715	0.687	0.712	0.680	0.681	0.650
41 P-CO-961	0.703	0.701	0.708	0.693	0.671	0.686	0.681	0.669
42 P-CO-ALB	0.697	0.702	0.698	0.661	0.679	0.661	0.656	0.651
43 P-CO-COC	0.708	0.699	0.714	0.705	0.655	0.705	0.645	0.627
44 P-CO-CTR	0.675	0.654	0.663	0.654	0.626	0.630	0.618	0.620
45 P-CO-LBS	0.730	0.675	0.671	0.649	0.673	0.650	0.644	0.584
46 P-CO-LCO	0.710	0.632	0.662	0.660	0.664	0.647	0.641	0.630
47 P-CO-LUT	0.670	0.642	0.663	0.636	0.640	0.618	0.638	0.626
48 P-CO-ROM	0.690	0.667	0.682	0.680	0.664	0.673	0.668	0.662
49 P-CO-SPQ	0.677	0.627	0.637	0.635	0.631	0.622	0.656	0.600

50	P-CO-STI	0.714	0.685	0.693	0.698	0.676	0.678	0.645	0.647
51	P-CO-STP	0.663	0.641	0.663	0.654	0.618	0.642	0.609	0.625
52	P-CO-VIT	0.711	0.647	0.650	0.668	0.645	0.628	0.635	0.599
53	P-CO-VNI	0.741	0.662	0.671	0.697	0.688	0.662	0.643	0.638
54	P-GP-LGM	0.692	0.648	0.651	0.628	0.667	0.622	0.622	0.612
55	P-GP-ORB	0.636	0.642	0.618	0.596	0.639	0.617	0.604	0.562
56	P-GP-OWA	0.725	0.657	0.666	0.601	0.683	0.596	0.582	0.603
57	P-GP-ROL	0.688	0.651	0.647	0.638	0.649	0.638	0.618	0.607
58	P-PU-000	0.711	0.670	0.698	0.638	0.661	0.632	0.658	0.647
59	P-PU-309	0.739	0.672	0.718	0.666	0.683	0.653	0.647	0.631
60	P-PU-313	0.725	0.655	0.696	0.675	0.667	0.662	0.630	0.639
61	P-PU-413	0.661	0.646	0.655	0.660	0.643	0.660	0.614	0.629
62	P-PU-473	0.705	0.651	0.669	0.645	0.672	0.625	0.675	0.642
63	P-PU-628	0.698	0.644	0.659	0.612	0.654	0.606	0.613	0.604
64	P-PU-750	0.717	0.668	0.696	0.681	0.686	0.661	0.649	0.682
65	P-PU-CIR	0.592	0.609	0.626	0.630	0.593	0.605	0.625	0.590
66	P-PU-CTF	0.589	0.600	0.602	0.601	0.610	0.602	0.559	0.563
67	P-PU-DAG	0.671	0.615	0.645	0.623	0.646	0.623	0.591	0.601
68	P-PU-GGL	0.691	0.641	0.684	0.683	0.624	0.662	0.629	0.663
69	P-PU-GLE	0.705	0.676	0.724	0.669	0.694	0.662	0.670	0.671
70	P-PU-JOL	0.675	0.639	0.647	0.646	0.643	0.640	0.580	0.609
71	P-PU-MOG	0.746	0.681	0.709	0.682	0.709	0.660	0.654	0.668
72	P-PU-NOK	0.718	0.683	0.703	0.689	0.688	0.670	0.626	0.616
73	P-PU-PRQ	0.735	0.684	0.719	0.677	0.696	0.684	0.712	0.685
74	P-PU-SSU	0.722	0.648	0.683	0.674	0.666	0.649	0.630	0.594
75	P-PU-STY	0.696	0.674	0.689	0.681	0.686	0.673	0.689	0.674
76	P-PU-TAT	0.669	0.668	0.670	0.668	0.645	0.655	0.616	0.611
77	P-PU-TOC	0.703	0.662	0.684	0.669	0.660	0.662	0.638	0.626
78	P-PU-TON	0.683	0.649	0.689	0.649	0.653	0.624	0.625	0.607
79	P-PU-TOS	0.707	0.700	0.688	0.692	0.670	0.672	0.627	0.603
80	P-PU-UNO	0.745	0.688	0.702	0.667	0.699	0.653	0.661	0.643
81	P-PU-WIE	0.716	0.701	0.688	0.666	0.685	0.666	0.715	0.653
82	P-PU-WLU	0.616	0.600	0.597	0.629	0.576	0.623	0.638	0.585
83	P-VM-179	0.697	0.675	0.657	0.635	0.659	0.629	0.675	0.619
84	P-VM-546	0.699	0.639	0.674	0.640	0.677	0.640	0.583	0.556
85	P-VM-AGB	0.702	0.671	0.694	0.664	0.655	0.651	0.659	0.673
86	P-VM-BML	0.683	0.682	0.691	0.702	0.658	0.695	0.662	0.656
87	P-VM-BNC	0.705	0.673	0.669	0.623	0.683	0.624	0.625	0.591
88	P-VM-BOG	0.703	0.708	0.751	0.714	0.685	0.693	0.653	0.668
89	P-VM-CAS	0.696	0.672	0.707	0.672	0.642	0.645	0.633	0.681
90	P-VM-DGZ	0.666	0.614	0.664	0.601	0.633	0.589	0.644	0.652
91	P-VM-SLA	0.704	0.590	0.668	0.615	0.625	0.637	0.623	0.578
92	P-VM-TDA	0.615	0.619	0.627	0.607	0.616	0.588	0.608	0.599
93	P-VM-VGM	0.656	0.632	0.655	0.607	0.623	0.588	0.591	0.580
94	P-VM-VPA	0.730	0.708	0.702	0.707	0.706	0.706	0.722	0.687
95	P-VM-VSP	0.734	0.688	0.692	0.702	0.686	0.688	0.633	0.655
96	P-ZU-BZU	0.685	0.668	0.698	0.696	0.644	0.626	0.662	0.643
97	P-ZU-FZU	0.660	0.645	0.675	0.679	0.621	0.632	0.633	0.647
98	P-ZU-NER	0.658	0.668	0.653	0.626	0.602	0.612	0.606	0.655
99	P-ZU-TRF	0.708	0.706	0.707	0.698	0.675	0.670	0.657	0.672
100	P-ZU-ZSL	0.721	0.685	0.707	0.705	0.648	0.658	0.666	0.647
101	Q-GQ-SFW	0.573	0.584	0.575	0.566	0.588	0.542	0.528	0.497
102	U-GU-FLA	0.493	0.528	0.486	0.537	0.517	0.540	0.471	0.502
103	U-GU-FLS	0.490	0.500	0.464	0.558	0.497	0.553	0.431	0.487
104	U-GU-MNB	0.453	0.507	0.505	0.517	0.476	0.493	0.411	0.462

vealed by simple sequence repeat polymorphisms. Theoretical and Applied Genetics.

9	10	11	12	13	14	15	16	17	18
T-CN-ESC	T-CN-EYC	T-CN-YSC	T-GO-AWM	T-GO-ODS	T-GO-SCT	T-GO-SPR	T-GT-684	T-GT-688	T-GT-691
0.000									
0.166	0.000								
0.293	0.311	0.000							
0.400	0.431	0.390	0.000						
0.424	0.411	0.447	0.357	0.000					
0.390	0.402	0.462	0.406	0.461	0.000				
0.390	0.375	0.428	0.365	0.314	0.352	0.000			
0.455	0.455	0.433	0.414	0.422	0.413	0.385	0.000		
0.417	0.397	0.418	0.371	0.408	0.406	0.373	0.141	0.000	
0.408	0.401	0.437	0.394	0.371	0.424	0.364	0.118	0.133	0.000
0.391	0.404	0.432	0.365	0.387	0.365	0.340	0.164	0.178	0.176
0.383	0.394	0.401	0.356	0.343	0.431	0.351	0.211	0.168	0.160
0.313	0.304	0.361	0.346	0.404	0.394	0.313	0.381	0.367	0.379
0.325	0.326	0.353	0.353	0.410	0.380	0.347	0.351	0.353	0.364
0.306	0.306	0.358	0.384	0.411	0.310	0.281	0.353	0.319	0.353
0.323	0.280	0.367	0.361	0.389	0.367	0.329	0.359	0.333	0.338
0.363	0.359	0.329	0.382	0.385	0.417	0.370	0.374	0.357	0.382
0.297	0.375	0.262	0.421	0.444	0.466	0.432	0.459	0.438	0.421
0.279	0.324	0.158	0.376	0.406	0.416	0.403	0.413	0.406	0.396
0.275	0.345	0.238	0.387	0.415	0.408	0.375	0.424	0.424	0.407
0.265	0.315	0.233	0.373	0.438	0.414	0.413	0.423	0.424	0.393
0.243	0.298	0.207	0.373	0.413	0.413	0.392	0.415	0.408	0.392
0.481	0.537	0.538	0.535	0.547	0.505	0.521	0.464	0.484	0.488
0.500	0.559	0.568	0.554	0.569	0.540	0.554	0.464	0.512	0.516
0.489	0.545	0.561	0.555	0.576	0.507	0.548	0.473	0.507	0.503
0.509	0.582	0.565	0.531	0.565	0.531	0.543	0.517	0.558	0.554
0.502	0.540	0.507	0.550	0.571	0.544	0.582	0.496	0.522	0.540
0.620	0.721	0.645	0.621	0.709	0.672	0.730	0.716	0.736	0.738
0.681	0.734	0.656	0.656	0.681	0.650	0.653	0.722	0.715	0.751
0.653	0.754	0.690	0.678	0.678	0.688	0.708	0.735	0.748	0.757
0.651	0.727	0.686	0.628	0.682	0.672	0.667	0.702	0.709	0.724
0.646	0.722	0.701	0.652	0.677	0.680	0.705	0.752	0.758	0.759
0.652	0.742	0.708	0.640	0.697	0.686	0.687	0.716	0.724	0.732
0.647	0.689	0.647	0.629	0.685	0.668	0.638	0.717	0.705	0.747
0.643	0.700	0.636	0.631	0.689	0.664	0.691	0.715	0.709	0.752
0.641	0.706	0.627	0.624	0.676	0.611	0.668	0.708	0.702	0.735
0.612	0.683	0.649	0.643	0.685	0.637	0.676	0.698	0.705	0.720
0.652	0.675	0.638	0.609	0.656	0.660	0.636	0.704	0.704	0.727
0.655	0.696	0.593	0.589	0.646	0.655	0.676	0.711	0.711	0.733
0.690	0.737	0.638	0.652	0.691	0.660	0.712	0.732	0.739	0.775
0.598	0.676	0.675	0.605	0.671	0.668	0.656	0.732	0.732	0.753

0.656	0.679	0.650	0.632	0.695	0.632	0.659	0.715	0.702	0.731
0.635	0.635	0.677	0.653	0.664	0.629	0.644	0.690	0.691	0.726
0.615	0.683	0.640	0.628	0.664	0.628	0.624	0.684	0.671	0.707
0.654	0.712	0.669	0.635	0.693	0.689	0.657	0.729	0.721	0.758
0.641	0.635	0.629	0.653	0.626	0.655	0.650	0.686	0.659	0.723
0.580	0.636	0.564	0.570	0.625	0.642	0.639	0.623	0.619	0.654
0.597	0.694	0.609	0.583	0.625	0.639	0.633	0.667	0.661	0.705
0.644	0.681	0.645	0.632	0.634	0.623	0.673	0.668	0.662	0.713
0.637	0.704	0.662	0.626	0.686	0.689	0.720	0.732	0.719	0.760
0.628	0.686	0.645	0.646	0.682	0.666	0.685	0.720	0.727	0.742
0.648	0.684	0.634	0.661	0.719	0.669	0.695	0.704	0.706	0.728
0.658	0.661	0.673	0.621	0.663	0.645	0.629	0.724	0.718	0.747
0.632	0.704	0.681	0.642	0.649	0.681	0.707	0.743	0.771	0.779
0.601	0.678	0.603	0.602	0.641	0.651	0.671	0.725	0.739	0.740
0.691	0.710	0.638	0.627	0.692	0.693	0.713	0.719	0.726	0.748
0.582	0.617	0.642	0.565	0.625	0.624	0.639	0.684	0.672	0.694
0.586	0.608	0.577	0.524	0.590	0.620	0.618	0.640	0.635	0.669
0.630	0.670	0.655	0.617	0.666	0.643	0.664	0.691	0.699	0.728
0.660	0.670	0.711	0.667	0.645	0.600	0.631	0.686	0.700	0.716
0.667	0.739	0.669	0.648	0.693	0.709	0.727	0.741	0.768	0.776
0.633	0.661	0.616	0.615	0.684	0.639	0.700	0.683	0.691	0.713
0.697	0.739	0.651	0.639	0.684	0.706	0.720	0.727	0.733	0.756
0.637	0.664	0.650	0.620	0.680	0.683	0.689	0.705	0.706	0.734
0.668	0.748	0.691	0.668	0.708	0.710	0.683	0.772	0.764	0.793
0.599	0.642	0.633	0.600	0.678	0.654	0.669	0.690	0.697	0.719
0.671	0.753	0.673	0.614	0.684	0.693	0.700	0.712	0.733	0.749
0.622	0.649	0.590	0.593	0.631	0.660	0.625	0.670	0.671	0.700
0.636	0.710	0.661	0.661	0.698	0.681	0.719	0.765	0.777	0.798
0.612	0.644	0.654	0.613	0.679	0.649	0.627	0.678	0.666	0.707
0.626	0.687	0.650	0.639	0.703	0.671	0.667	0.716	0.730	0.758
0.646	0.709	0.667	0.658	0.698	0.707	0.732	0.725	0.739	0.754
0.663	0.759	0.642	0.606	0.676	0.658	0.693	0.690	0.718	0.720
0.584	0.671	0.582	0.527	0.647	0.641	0.620	0.652	0.661	0.670
0.641	0.743	0.654	0.605	0.691	0.642	0.656	0.684	0.711	0.733
0.604	0.660	0.617	0.605	0.708	0.665	0.673	0.680	0.682	0.703
0.688	0.751	0.657	0.631	0.696	0.651	0.692	0.710	0.724	0.740
0.704	0.739	0.688	0.627	0.706	0.673	0.656	0.728	0.713	0.764
0.590	0.661	0.666	0.619	0.670	0.605	0.638	0.674	0.701	0.690
0.683	0.752	0.629	0.625	0.711	0.713	0.719	0.762	0.746	0.790
0.689	0.701	0.701	0.676	0.697	0.652	0.679	0.696	0.710	0.740
0.655	0.692	0.677	0.624	0.639	0.657	0.697	0.722	0.729	0.745
0.589	0.630	0.603	0.628	0.684	0.686	0.700	0.675	0.669	0.715
0.627	0.673	0.570	0.538	0.616	0.608	0.648	0.641	0.616	0.645
0.571	0.640	0.612	0.595	0.644	0.601	0.620	0.661	0.683	0.704
0.676	0.752	0.723	0.638	0.718	0.719	0.693	0.762	0.775	0.790
0.684	0.675	0.733	0.684	0.670	0.688	0.694	0.728	0.728	0.765
0.659	0.691	0.675	0.652	0.674	0.661	0.654	0.706	0.700	0.737
0.657	0.688	0.643	0.639	0.676	0.638	0.641	0.717	0.703	0.747
0.675	0.696	0.638	0.636	0.672	0.590	0.621	0.681	0.691	0.720
0.687	0.729	0.678	0.674	0.709	0.663	0.678	0.724	0.716	0.761
0.662	0.707	0.657	0.669	0.689	0.658	0.678	0.709	0.696	0.739
0.534	0.538	0.507	0.518	0.560	0.510	0.523	0.544	0.542	0.551
0.525	0.536	0.538	0.438	0.402	0.483	0.438	0.514	0.498	0.502
0.506	0.509	0.542	0.460	0.436	0.433	0.406	0.514	0.505	0.495
0.483	0.440	0.524	0.397	0.376	0.477	0.352	0.500	0.464	0.475

19	20	21	22	23	24	25	26	27	28
T-GT-693	T-GT-WTX	T-SC-BGT	T-SC-GBS	T-SC-PVT	T-SC-WBS	T-SC-YBS	T-SN-CRE	T-SN-EPS	T-SN-SBU
0.000									
0.232	0.000								
0.353	0.365	0.000							
0.331	0.357	0.279	0.000						
0.297	0.309	0.235	0.294	0.000					
0.340	0.317	0.262	0.302	0.194	0.000				
0.343	0.347	0.321	0.250	0.287	0.379	0.000			
0.450	0.414	0.410	0.340	0.386	0.356	0.386	0.000		
0.406	0.368	0.358	0.336	0.306	0.289	0.319	0.143	0.000	
0.403	0.387	0.350	0.301	0.343	0.331	0.340	0.130	0.136	0.000
0.402	0.386	0.355	0.291	0.336	0.308	0.372	0.137	0.122	0.097
0.394	0.371	0.345	0.324	0.316	0.306	0.329	0.146	0.074	0.098
0.476	0.481	0.568	0.488	0.593	0.572	0.488	0.517	0.510	0.477
0.517	0.516	0.584	0.516	0.624	0.601	0.516	0.538	0.546	0.510
0.491	0.503	0.584	0.504	0.616	0.596	0.510	0.521	0.533	0.485
0.542	0.561	0.607	0.535	0.633	0.582	0.520	0.542	0.556	0.513
0.521	0.553	0.564	0.530	0.600	0.582	0.540	0.536	0.507	0.513
0.712	0.805	0.749	0.717	0.782	0.727	0.691	0.560	0.641	0.590
0.705	0.805	0.755	0.744	0.731	0.719	0.684	0.597	0.646	0.621
0.751	0.806	0.755	0.714	0.766	0.766	0.694	0.607	0.684	0.603
0.725	0.757	0.747	0.696	0.718	0.680	0.651	0.569	0.635	0.572
0.747	0.806	0.764	0.739	0.769	0.748	0.719	0.615	0.676	0.636
0.720	0.799	0.771	0.725	0.782	0.741	0.686	0.615	0.682	0.636
0.708	0.780	0.702	0.705	0.720	0.709	0.673	0.621	0.650	0.630
0.718	0.794	0.757	0.675	0.747	0.727	0.684	0.556	0.632	0.593
0.692	0.773	0.719	0.670	0.723	0.699	0.672	0.541	0.599	0.577
0.675	0.792	0.709	0.666	0.707	0.702	0.668	0.578	0.651	0.614
0.694	0.795	0.716	0.705	0.707	0.715	0.672	0.566	0.607	0.583
0.701	0.765	0.716	0.679	0.747	0.689	0.642	0.586	0.605	0.576
0.755	0.802	0.738	0.705	0.764	0.742	0.672	0.620	0.662	0.636
0.714	0.807	0.716	0.671	0.742	0.722	0.660	0.556	0.650	0.599

0.691	0.785	0.733	0.696	0.732	0.706	0.690	0.577	0.639	0.601
0.673	0.767	0.694	0.753	0.689	0.691	0.707	0.601	0.670	0.625
0.661	0.776	0.703	0.671	0.693	0.723	0.653	0.554	0.643	0.584
0.703	0.820	0.727	0.708	0.738	0.753	0.689	0.588	0.692	0.617
0.697	0.689	0.719	0.680	0.686	0.666	0.599	0.595	0.664	0.616
0.656	0.701	0.676	0.625	0.679	0.677	0.621	0.558	0.591	0.574
0.657	0.698	0.693	0.675	0.707	0.700	0.635	0.575	0.617	0.605
0.707	0.741	0.716	0.691	0.737	0.683	0.678	0.563	0.625	0.586
0.728	0.786	0.751	0.713	0.775	0.735	0.714	0.632	0.685	0.647
0.736	0.794	0.779	0.689	0.778	0.756	0.677	0.614	0.661	0.599
0.728	0.801	0.745	0.693	0.736	0.729	0.694	0.583	0.644	0.587
0.714	0.795	0.695	0.726	0.719	0.702	0.693	0.607	0.676	0.616
0.738	0.836	0.763	0.685	0.799	0.753	0.694	0.587	0.670	0.586
0.722	0.766	0.697	0.653	0.748	0.710	0.636	0.548	0.620	0.571
0.736	0.803	0.760	0.699	0.814	0.764	0.681	0.634	0.663	0.624
0.669	0.733	0.689	0.639	0.693	0.663	0.642	0.571	0.632	0.595
0.626	0.706	0.663	0.622	0.697	0.664	0.594	0.553	0.596	0.538
0.715	0.767	0.724	0.706	0.749	0.723	0.674	0.578	0.651	0.619
0.669	0.785	0.727	0.737	0.702	0.698	0.709	0.608	0.664	0.631
0.764	0.797	0.739	0.714	0.758	0.744	0.681	0.630	0.658	0.651
0.701	0.747	0.702	0.642	0.756	0.708	0.625	0.573	0.628	0.576
0.743	0.791	0.763	0.699	0.780	0.737	0.686	0.653	0.676	0.635
0.722	0.779	0.724	0.680	0.749	0.735	0.662	0.581	0.666	0.577
0.773	0.841	0.806	0.738	0.813	0.766	0.717	0.629	0.686	0.639
0.707	0.758	0.708	0.671	0.685	0.708	0.627	0.596	0.630	0.594
0.736	0.777	0.739	0.720	0.736	0.730	0.645	0.626	0.641	0.662
0.674	0.760	0.694	0.671	0.706	0.681	0.621	0.556	0.589	0.599
0.760	0.824	0.777	0.726	0.788	0.735	0.707	0.578	0.645	0.601
0.675	0.765	0.676	0.619	0.706	0.657	0.635	0.571	0.625	0.576
0.719	0.805	0.728	0.697	0.739	0.733	0.678	0.612	0.681	0.603
0.741	0.795	0.745	0.670	0.821	0.776	0.686	0.600	0.690	0.616
0.700	0.734	0.724	0.712	0.728	0.701	0.657	0.625	0.618	0.620
0.636	0.719	0.606	0.675	0.646	0.638	0.607	0.543	0.582	0.558
0.688	0.780	0.709	0.664	0.755	0.709	0.647	0.575	0.650	0.599
0.711	0.755	0.699	0.649	0.703	0.679	0.652	0.590	0.648	0.599
0.713	0.768	0.737	0.661	0.749	0.693	0.684	0.610	0.645	0.599
0.730	0.799	0.747	0.736	0.758	0.724	0.694	0.593	0.671	0.623
0.673	0.759	0.729	0.670	0.702	0.686	0.659	0.582	0.638	0.584
0.742	0.832	0.753	0.770	0.773	0.736	0.692	0.590	0.640	0.620
0.679	0.801	0.737	0.768	0.748	0.707	0.760	0.633	0.689	0.641
0.725	0.772	0.756	0.702	0.776	0.733	0.703	0.610	0.652	0.585
0.664	0.759	0.749	0.692	0.708	0.688	0.685	0.580	0.610	0.576
0.659	0.711	0.644	0.628	0.691	0.673	0.586	0.510	0.568	0.546
0.639	0.730	0.702	0.628	0.704	0.674	0.626	0.572	0.609	0.548
0.756	0.839	0.760	0.763	0.779	0.750	0.713	0.632	0.696	0.647
0.745	0.794	0.748	0.780	0.769	0.774	0.730	0.661	0.748	0.654
0.681	0.809	0.748	0.693	0.748	0.725	0.702	0.562	0.649	0.566
0.686	0.808	0.729	0.690	0.733	0.714	0.692	0.544	0.612	0.561
0.672	0.795	0.705	0.684	0.711	0.706	0.682	0.538	0.598	0.549
0.691	0.824	0.757	0.725	0.756	0.734	0.725	0.587	0.651	0.611
0.685	0.801	0.738	0.710	0.733	0.700	0.704	0.563	0.625	0.600
0.572	0.597	0.553	0.478	0.550	0.508	0.518	0.528	0.553	0.494
0.503	0.515	0.566	0.474	0.542	0.508	0.474	0.498	0.522	0.457
0.503	0.536	0.525	0.432	0.496	0.495	0.447	0.485	0.497	0.457
0.463	0.500	0.469	0.446	0.462	0.402	0.468	0.452	0.509	0.430

29	30	31	32	33	34	35	36	37	38
T-SN-SFF	T-SN-SNE	F-GF-354	F-GF-355	F-GF-356	F-GF-683	F-GF-WM2	P-CO-018	P-CO-288	P-CO-307

0.000									
0.104	0.000								
0.512	0.498	0.000							
0.540	0.527	0.069	0.000						
0.514	0.507	0.031	0.080	0.000					
0.523	0.537	0.154	0.173	0.165	0.000				
0.536	0.522	0.233	0.250	0.249	0.278	0.000			
0.633	0.642	0.585	0.580	0.567	0.516	0.581	0.000		
0.666	0.668	0.616	0.611	0.612	0.526	0.587	0.296	0.000	
0.648	0.685	0.675	0.663	0.655	0.595	0.663	0.242	0.279	0.000
0.614	0.636	0.605	0.587	0.595	0.505	0.622	0.223	0.233	0.230
0.668	0.663	0.613	0.615	0.601	0.505	0.623	0.262	0.305	0.278
0.681	0.684	0.627	0.615	0.615	0.531	0.609	0.191	0.247	0.191
0.661	0.658	0.627	0.601	0.616	0.523	0.591	0.290	0.204	0.271
0.631	0.654	0.644	0.631	0.644	0.537	0.605	0.273	0.240	0.251
0.599	0.619	0.609	0.604	0.592	0.525	0.569	0.278	0.245	0.306
0.638	0.639	0.578	0.592	0.579	0.486	0.574	0.262	0.253	0.270
0.614	0.622	0.618	0.612	0.614	0.520	0.547	0.300	0.238	0.276
0.612	0.633	0.649	0.651	0.650	0.561	0.587	0.312	0.272	0.277
0.681	0.698	0.639	0.621	0.634	0.561	0.595	0.320	0.311	0.283
0.629	0.644	0.608	0.596	0.589	0.506	0.584	0.239	0.236	0.267

0.625	0.634	0.617	0.619	0.599	0.534	0.593	0.277	0.209	0.306
0.662	0.658	0.648	0.635	0.635	0.539	0.584	0.320	0.275	0.313
0.628	0.623	0.600	0.608	0.588	0.523	0.569	0.309	0.241	0.286
0.670	0.659	0.647	0.642	0.629	0.541	0.616	0.284	0.248	0.287
0.643	0.643	0.614	0.594	0.595	0.568	0.603	0.411	0.376	0.412
0.578	0.579	0.623	0.617	0.604	0.586	0.612	0.395	0.426	0.349
0.622	0.604	0.565	0.573	0.559	0.491	0.556	0.336	0.363	0.291
0.625	0.620	0.603	0.576	0.583	0.531	0.564	0.399	0.302	0.364
0.677	0.693	0.643	0.632	0.626	0.530	0.595	0.256	0.259	0.253
0.635	0.649	0.588	0.577	0.583	0.491	0.604	0.244	0.298	0.258
0.637	0.639	0.628	0.609	0.604	0.565	0.632	0.267	0.277	0.243
0.668	0.677	0.660	0.648	0.647	0.548	0.601	0.318	0.302	0.311
0.645	0.642	0.652	0.633	0.633	0.556	0.641	0.255	0.280	0.253
0.613	0.613	0.591	0.579	0.581	0.511	0.601	0.264	0.312	0.240
0.655	0.651	0.634	0.622	0.622	0.563	0.596	0.329	0.287	0.347
0.612	0.613	0.578	0.599	0.573	0.511	0.626	0.300	0.304	0.375
0.590	0.579	0.564	0.584	0.559	0.505	0.567	0.315	0.289	0.325
0.657	0.652	0.591	0.572	0.586	0.534	0.567	0.280	0.290	0.262
0.663	0.652	0.662	0.664	0.649	0.589	0.644	0.344	0.268	0.329
0.670	0.679	0.628	0.616	0.630	0.525	0.591	0.344	0.349	0.308
0.627	0.629	0.558	0.552	0.546	0.527	0.561	0.327	0.285	0.345
0.661	0.663	0.645	0.633	0.626	0.531	0.621	0.313	0.270	0.275
0.626	0.634	0.586	0.561	0.574	0.519	0.556	0.302	0.262	0.312
0.678	0.694	0.634	0.635	0.630	0.522	0.659	0.237	0.258	0.239
0.617	0.612	0.596	0.591	0.584	0.546	0.599	0.323	0.295	0.333
0.689	0.677	0.632	0.613	0.633	0.505	0.628	0.320	0.338	0.317
0.616	0.624	0.596	0.577	0.597	0.508	0.559	0.297	0.217	0.322
0.657	0.659	0.617	0.612	0.612	0.522	0.587	0.243	0.253	0.238
0.618	0.613	0.565	0.572	0.547	0.503	0.529	0.312	0.266	0.316
0.667	0.662	0.592	0.586	0.573	0.549	0.575	0.273	0.244	0.275
0.668	0.677	0.626	0.600	0.614	0.540	0.615	0.274	0.318	0.276
0.639	0.628	0.561	0.555	0.576	0.449	0.640	0.345	0.383	0.378
0.610	0.590	0.587	0.603	0.589	0.522	0.549	0.383	0.324	0.389
0.641	0.638	0.608	0.596	0.603	0.506	0.624	0.258	0.279	0.273
0.622	0.643	0.633	0.622	0.615	0.541	0.617	0.281	0.310	0.271
0.631	0.655	0.608	0.610	0.589	0.529	0.639	0.288	0.320	0.284
0.675	0.670	0.633	0.621	0.614	0.546	0.601	0.282	0.253	0.299
0.625	0.645	0.579	0.580	0.557	0.514	0.589	0.231	0.313	0.269
0.674	0.655	0.672	0.647	0.660	0.578	0.599	0.277	0.268	0.294
0.687	0.670	0.666	0.654	0.653	0.573	0.614	0.325	0.289	0.315
0.644	0.640	0.601	0.624	0.589	0.517	0.577	0.333	0.338	0.276
0.607	0.596	0.615	0.624	0.601	0.530	0.574	0.322	0.359	0.343
0.569	0.589	0.633	0.621	0.627	0.532	0.648	0.344	0.361	0.303
0.593	0.609	0.548	0.548	0.536	0.473	0.564	0.236	0.318	0.281
0.708	0.697	0.624	0.590	0.618	0.524	0.640	0.250	0.227	0.273
0.709	0.713	0.645	0.619	0.633	0.583	0.620	0.375	0.290	0.321
0.613	0.620	0.640	0.639	0.625	0.545	0.600	0.299	0.216	0.298
0.612	0.614	0.631	0.633	0.619	0.540	0.593	0.285	0.196	0.308
0.614	0.606	0.624	0.645	0.620	0.590	0.598	0.310	0.255	0.282
0.650	0.638	0.677	0.687	0.657	0.610	0.638	0.299	0.263	0.296
0.631	0.625	0.644	0.632	0.638	0.565	0.599	0.282	0.220	0.278
0.508	0.510	0.584	0.592	0.587	0.574	0.614	0.489	0.442	0.419
0.485	0.478	0.611	0.599	0.619	0.581	0.655	0.551	0.588	0.543
0.478	0.471	0.605	0.600	0.620	0.608	0.635	0.545	0.596	0.536
0.458	0.458	0.642	0.637	0.650	0.605	0.612	0.616	0.574	0.576

39	40	41	42	43	44	45	46	47	48
P-CO-469	P-CO-610	P-CO-961	P-CO-ALB	P-CO-COC	P-CO-CTR	P-CO-LBS	P-CO-LCO	P-CO-LUT	P-CO-ROM

0.000									
0.289	0.000								
0.219	0.284	0.000							
0.272	0.293	0.226	0.000						
0.270	0.311	0.252	0.254	0.000					
0.297	0.311	0.268	0.264	0.213	0.000				
0.288	0.239	0.258	0.235	0.226	0.244	0.000			
0.275	0.296	0.309	0.246	0.216	0.255	0.244	0.000		
0.282	0.327	0.302	0.270	0.277	0.232	0.282	0.263	0.000	
0.294	0.382	0.303	0.311	0.250	0.248	0.288	0.302	0.231	0.000
0.291	0.241	0.248	0.231	0.234	0.246	0.241	0.239	0.304	0.311

0.265	0.286	0.234	0.230	0.207	0.239	0.228	0.272	0.297	0.305
0.335	0.325	0.299	0.263	0.252	0.240	0.229	0.285	0.323	0.331
0.290	0.285	0.266	0.294	0.212	0.245	0.246	0.237	0.329	0.338
0.311	0.253	0.273	0.262	0.226	0.277	0.214	0.231	0.351	0.354
0.364	0.427	0.433	0.382	0.336	0.396	0.405	0.415	0.403	0.374
0.420	0.404	0.385	0.380	0.333	0.382	0.375	0.386	0.419	0.386
0.340	0.257	0.315	0.315	0.368	0.344	0.305	0.345	0.344	0.386
0.344	0.333	0.394	0.329	0.315	0.340	0.340	0.347	0.344	0.354
0.269	0.239	0.258	0.238	0.241	0.260	0.245	0.310	0.274	0.274
0.282	0.252	0.259	0.240	0.259	0.268	0.258	0.295	0.240	0.289
0.306	0.263	0.256	0.282	0.270	0.291	0.269	0.307	0.300	0.281
0.338	0.307	0.307	0.298	0.277	0.313	0.325	0.295	0.291	0.304
0.261	0.219	0.247	0.313	0.310	0.277	0.284	0.308	0.259	0.322
0.284	0.260	0.241	0.275	0.299	0.300	0.284	0.291	0.309	0.310
0.374	0.318	0.298	0.305	0.313	0.313	0.291	0.311	0.304	0.311
0.337	0.296	0.308	0.323	0.348	0.292	0.288	0.385	0.362	0.353
0.339	0.275	0.287	0.305	0.325	0.324	0.260	0.342	0.322	0.360
0.281	0.276	0.250	0.304	0.289	0.291	0.294	0.301	0.288	0.288
0.351	0.320	0.307	0.327	0.308	0.327	0.279	0.313	0.344	0.381
0.312	0.294	0.301	0.294	0.322	0.290	0.312	0.353	0.299	0.273
0.320	0.322	0.270	0.296	0.311	0.323	0.282	0.369	0.301	0.282
0.300	0.255	0.295	0.282	0.283	0.297	0.288	0.274	0.294	0.315
0.272	0.260	0.285	0.260	0.267	0.288	0.264	0.272	0.291	0.310
0.288	0.196	0.240	0.240	0.274	0.283	0.243	0.315	0.294	0.315
0.292	0.281	0.312	0.296	0.359	0.349	0.278	0.338	0.335	0.338
0.327	0.315	0.275	0.295	0.366	0.316	0.301	0.349	0.314	0.274
0.304	0.260	0.286	0.201	0.267	0.262	0.270	0.272	0.254	0.292
0.263	0.233	0.220	0.241	0.239	0.250	0.190	0.269	0.221	0.250
0.307	0.296	0.270	0.220	0.297	0.321	0.227	0.256	0.331	0.321
0.306	0.249	0.282	0.239	0.302	0.284	0.230	0.327	0.300	0.314
0.282	0.243	0.263	0.309	0.250	0.317	0.269	0.322	0.295	0.268
0.358	0.387	0.340	0.367	0.426	0.378	0.344	0.402	0.357	0.368
0.409	0.351	0.365	0.372	0.396	0.406	0.333	0.386	0.401	0.386
0.259	0.273	0.248	0.280	0.291	0.274	0.241	0.331	0.279	0.316
0.245	0.283	0.283	0.298	0.265	0.292	0.228	0.308	0.301	0.314
0.322	0.365	0.264	0.306	0.278	0.331	0.322	0.331	0.368	0.345
0.248	0.298	0.244	0.271	0.278	0.262	0.283	0.297	0.307	0.311
0.280	0.251	0.275	0.290	0.298	0.295	0.287	0.317	0.304	0.341
0.298	0.320	0.279	0.262	0.246	0.257	0.311	0.306	0.292	0.244
0.325	0.347	0.300	0.294	0.288	0.265	0.280	0.293	0.338	0.354
0.294	0.269	0.276	0.309	0.311	0.310	0.286	0.336	0.282	0.302
0.361	0.338	0.350	0.361	0.300	0.368	0.308	0.305	0.358	0.371
0.319	0.333	0.327	0.321	0.342	0.339	0.360	0.346	0.375	0.359
0.270	0.302	0.268	0.285	0.314	0.307	0.304	0.294	0.302	0.340
0.232	0.279	0.253	0.188	0.280	0.314	0.272	0.258	0.285	0.306
0.354	0.301	0.347	0.315	0.282	0.342	0.333	0.315	0.371	0.329
0.309	0.311	0.311	0.313	0.247	0.273	0.296	0.247	0.316	0.352
0.305	0.314	0.294	0.276	0.254	0.265	0.280	0.253	0.273	0.320
0.320	0.327	0.310	0.266	0.274	0.271	0.260	0.260	0.311	0.337
0.320	0.302	0.295	0.297	0.261	0.252	0.261	0.253	0.333	0.349
0.290	0.278	0.278	0.287	0.252	0.238	0.232	0.250	0.303	0.331
0.442	0.497	0.452	0.435	0.477	0.470	0.439	0.455	0.466	0.474
0.547	0.513	0.526	0.559	0.534	0.559	0.518	0.564	0.537	0.544
0.553	0.526	0.533	0.586	0.534	0.553	0.506	0.557	0.532	0.530
0.564	0.569	0.578	0.539	0.553	0.582	0.537	0.556	0.575	0.609

49	50	51	52	53	54	55	56	57	58
P-CO-SPQ	P-CO-STI	P-CO-STP	P-CO-VIT	P-CO-VNI	P-GP-LGM	P-GP-ORB	P-GP-OWA	P-GP-ROL	P-PU-000

0.249	0.000								
0.263	0.249	0.000							
0.281	0.208	0.268	0.000						
0.243	0.208	0.243	0.112	0.000					
0.382	0.322	0.406	0.376	0.386	0.000				
0.335	0.361	0.372	0.381	0.377	0.391	0.000			
0.311	0.327	0.374	0.347	0.312	0.378	0.354	0.000		
0.309	0.329	0.367	0.342	0.359	0.204	0.385	0.326	0.000	
0.219	0.266	0.306	0.293	0.247	0.351	0.354	0.285	0.289	0.000
0.248	0.304	0.292	0.329	0.299	0.402	0.350	0.303	0.344	0.227
0.246	0.297	0.310	0.309	0.278	0.391	0.389	0.333	0.344	0.240
0.266	0.289	0.235	0.318	0.290	0.401	0.375	0.370	0.317	0.283
0.247	0.303	0.365	0.289	0.267	0.390	0.408	0.290	0.312	0.228
0.250	0.281	0.325	0.299	0.256	0.392	0.383	0.285	0.353	0.229
0.301	0.314	0.340	0.353	0.322	0.426	0.420	0.379	0.349	0.268
0.260	0.285	0.310	0.329	0.312	0.420	0.381	0.336	0.377	0.305
0.265	0.258	0.335	0.325	0.290	0.386	0.387	0.276	0.319	0.274
0.278	0.310	0.348	0.336	0.311	0.377	0.401	0.289	0.298	0.244
0.349	0.289	0.262	0.254	0.269	0.414	0.464	0.404	0.373	0.325
0.257	0.336	0.336	0.355	0.351	0.385	0.364	0.326	0.358	0.259
0.279	0.245	0.357	0.344	0.327	0.361	0.386	0.340	0.299	0.282
0.271	0.297	0.338	0.317	0.271	0.368	0.360	0.336	0.312	0.218
0.256	0.274	0.319	0.293	0.262	0.398	0.377	0.307	0.314	0.235
0.205	0.284	0.309	0.322	0.269	0.400	0.360	0.291	0.331	0.182
0.258	0.314	0.321	0.333	0.303	0.375	0.348	0.318	0.349	0.260
0.291	0.358	0.338	0.372	0.340	0.431	0.380	0.314	0.368	0.273
0.250	0.236	0.282	0.288	0.276	0.377	0.369	0.311	0.304	0.241
0.223	0.247	0.273	0.284	0.253	0.396	0.381	0.281	0.318	0.184
0.235	0.234	0.317	0.310	0.279	0.390	0.394	0.333	0.344	0.258
0.206	0.270	0.258	0.316	0.251	0.405	0.331	0.299	0.318	0.239
0.252	0.305	0.364	0.331	0.293	0.347	0.373	0.352	0.306	0.212
0.383	0.397	0.409	0.425	0.422	0.463	0.411	0.383	0.430	0.355
0.306	0.345	0.385	0.361	0.315	0.490	0.403	0.379	0.413	0.342
0.256	0.230	0.277	0.268	0.256	0.362	0.399	0.320	0.315	0.254
0.273	0.273	0.304	0.285	0.254	0.357	0.375	0.331	0.286	0.246
0.279	0.265	0.327	0.361	0.329	0.427	0.416	0.348	0.392	0.298
0.280	0.253	0.287	0.265	0.264	0.343	0.375	0.343	0.266	0.290
0.260	0.301	0.335	0.331	0.302	0.426	0.393	0.327	0.377	0.248
0.262	0.275	0.336	0.308	0.296	0.345	0.411	0.385	0.317	0.246
0.329	0.262	0.243	0.242	0.249	0.379	0.403	0.370	0.359	0.327
0.252	0.291	0.338	0.331	0.333	0.375	0.413	0.296	0.285	0.239
0.291	0.291	0.296	0.314	0.282	0.396	0.403	0.380	0.351	0.318
0.304	0.355	0.399	0.355	0.351	0.410	0.350	0.336	0.371	0.337
0.241	0.301	0.318	0.353	0.336	0.406	0.401	0.333	0.369	0.265
0.208	0.281	0.322	0.288	0.254	0.436	0.398	0.376	0.359	0.255
0.304	0.331	0.297	0.310	0.305	0.383	0.395	0.365	0.305	0.302
0.245	0.237	0.277	0.201	0.173	0.361	0.408	0.396	0.329	0.289
0.230	0.243	0.250	0.242	0.229	0.372	0.397	0.368	0.297	0.286
0.282	0.254	0.254	0.260	0.206	0.327	0.353	0.375	0.306	0.295
0.270	0.222	0.291	0.241	0.200	0.368	0.394	0.367	0.333	0.294
0.261	0.251	0.285	0.232	0.219	0.356	0.401	0.340	0.343	0.273
0.435	0.429	0.492	0.450	0.454	0.498	0.430	0.480	0.462	0.449
0.521	0.530	0.550	0.565	0.565	0.466	0.502	0.493	0.479	0.524
0.541	0.556	0.577	0.572	0.578	0.520	0.529	0.503	0.522	0.538
0.534	0.542	0.516	0.551	0.550	0.532	0.519	0.527	0.500	0.557

59	60	61	62	63	64	65	66	67	68
P-PU-309	P-PU-313	P-PU-413	P-PU-473	P-PU-628	P-PU-750	P-PU-CIR	P-PU-CTF	P-PU-DAG	P-PU-GGL

0.000									
0.183	0.000								
0.310	0.294	0.000							
0.238	0.252	0.277	0.000						
0.267	0.271	0.295	0.183	0.000					
0.241	0.257	0.304	0.275	0.306	0.000				
0.277	0.294	0.329	0.271	0.297	0.327	0.000			
0.287	0.297	0.315	0.256	0.259	0.307	0.257	0.000		
0.251	0.280	0.272	0.224	0.252	0.290	0.306	0.247	0.000	
0.338	0.311	0.324	0.305	0.346	0.288	0.344	0.346	0.371	0.000
0.262	0.279	0.322	0.264	0.257	0.316	0.306	0.309	0.299	0.426
0.295	0.275	0.273	0.280	0.284	0.298	0.321	0.262	0.281	0.313
0.236	0.247	0.301	0.236	0.251	0.215	0.320	0.292	0.247	0.347
0.200	0.252	0.282	0.231	0.293	0.287	0.333	0.253	0.240	0.366
0.179	0.201	0.263	0.187	0.236	0.223	0.282	0.255	0.272	0.299
0.250	0.260	0.327	0.291	0.313	0.295	0.280	0.272	0.304	0.349
0.282	0.320	0.317	0.321	0.329	0.297	0.320	0.304	0.287	0.389
0.276	0.261	0.257	0.270	0.256	0.288	0.317	0.263	0.276	0.296
0.222	0.225	0.222	0.204	0.211	0.265	0.294	0.245	0.225	0.279
0.301	0.288	0.305	0.278	0.242	0.284	0.307	0.268	0.300	0.305
0.263	0.248	0.261	0.258	0.270	0.316	0.287	0.285	0.299	0.331
0.244	0.261	0.306	0.214	0.220	0.258	0.333	0.280	0.242	0.381
0.331	0.398	0.390	0.362	0.366	0.363	0.403	0.377	0.380	0.415
0.405	0.354	0.336	0.391	0.357	0.407	0.380	0.312	0.383	0.469
0.280	0.297	0.276	0.247	0.225	0.327	0.310	0.283	0.272	0.316
0.265	0.307	0.274	0.269	0.248	0.316	0.319	0.281	0.245	0.357
0.336	0.349	0.290	0.321	0.285	0.320	0.349	0.363	0.336	0.350
0.316	0.282	0.274	0.265	0.318	0.313	0.342	0.313	0.243	0.308
0.258	0.268	0.323	0.261	0.254	0.343	0.351	0.318	0.286	0.370
0.299	0.237	0.297	0.269	0.288	0.308	0.351	0.321	0.284	0.338
0.357	0.318	0.313	0.333	0.359	0.360	0.357	0.364	0.364	0.235
0.301	0.294	0.308	0.255	0.252	0.297	0.294	0.248	0.261	0.368
0.300	0.287	0.338	0.343	0.297	0.321	0.399	0.309	0.336	0.358
0.393	0.350	0.383	0.313	0.309	0.394	0.362	0.310	0.329	0.384
0.231	0.281	0.279	0.243	0.232	0.303	0.317	0.307	0.285	0.403
0.266	0.298	0.292	0.269	0.255	0.315	0.318	0.340	0.318	0.366
0.265	0.276	0.245	0.270	0.316	0.308	0.340	0.327	0.259	0.359
0.336	0.302	0.294	0.265	0.298	0.347	0.340	0.323	0.329	0.208
0.318	0.292	0.257	0.298	0.288	0.342	0.325	0.296	0.311	0.229
0.336	0.291	0.260	0.330	0.305	0.366	0.307	0.327	0.304	0.231
0.366	0.300	0.326	0.321	0.309	0.359	0.360	0.342	0.347	0.235
0.323	0.263	0.345	0.279	0.305	0.340	0.316	0.344	0.329	0.199
0.434	0.399	0.455	0.437	0.430	0.450	0.466	0.421	0.459	0.487
0.484	0.497	0.529	0.517	0.482	0.512	0.513	0.447	0.520	0.577
0.498	0.490	0.537	0.517	0.508	0.527	0.526	0.457	0.503	0.565
0.549	0.568	0.495	0.576	0.527	0.581	0.544	0.460	0.553	0.562

69	70	71	72	73	74	75	76	77	78
P-PU-GLE	P-PU-JOL	P-PU-MOG	P-PU-NOK	P-PU-PRQ	P-PU-SSU	P-PU-STY	P-PU-TAT	P-PU-TOC	P-PU-TON

0.000									
0.313	0.000								
0.265	0.267	0.000							
0.327	0.265	0.257	0.000						
0.264	0.281	0.204	0.258	0.000					
0.278	0.267	0.298	0.282	0.286	0.000				
0.177	0.315	0.280	0.355	0.273	0.272	0.000			
0.253	0.279	0.271	0.271	0.225	0.296	0.300	0.000		
0.280	0.212	0.229	0.242	0.195	0.280	0.268	0.229	0.000	
0.299	0.263	0.314	0.254	0.288	0.280	0.340	0.250	0.258	0.000
0.311	0.254	0.286	0.245	0.247	0.241	0.333	0.258	0.218	0.243
0.247	0.268	0.240	0.233	0.241	0.293	0.301	0.288	0.224	0.244
0.304	0.368	0.326	0.425	0.326	0.349	0.165	0.344	0.338	0.430
0.356	0.331	0.408	0.344	0.345	0.358	0.324	0.320	0.366	0.347
0.296	0.252	0.284	0.300	0.229	0.329	0.271	0.263	0.235	0.279
0.319	0.295	0.275	0.273	0.282	0.268	0.353	0.298	0.240	0.283
0.336	0.310	0.317	0.364	0.294	0.353	0.317	0.374	0.276	0.309
0.336	0.290	0.268	0.264	0.266	0.322	0.289	0.247	0.270	0.296
0.345	0.335	0.302	0.318	0.237	0.296	0.360	0.272	0.240	0.304
0.290	0.285	0.256	0.314	0.271	0.355	0.319	0.231	0.226	0.292
0.358	0.360	0.354	0.365	0.331	0.381	0.368	0.316	0.280	0.305
0.273	0.302	0.301	0.303	0.267	0.331	0.315	0.318	0.243	0.282
0.402	0.357	0.289	0.345	0.302	0.324	0.416	0.354	0.301	0.336
0.338	0.353	0.360	0.364	0.301	0.385	0.320	0.300	0.313	0.344
0.293	0.333	0.281	0.290	0.231	0.313	0.327	0.291	0.259	0.304
0.311	0.278	0.298	0.268	0.243	0.303	0.298	0.242	0.239	0.272
0.366	0.333	0.290	0.193	0.298	0.324	0.419	0.320	0.307	0.331
0.405	0.324	0.302	0.291	0.298	0.353	0.431	0.286	0.282	0.262
0.378	0.293	0.306	0.301	0.281	0.335	0.395	0.250	0.248	0.267
0.396	0.300	0.344	0.324	0.286	0.333	0.433	0.288	0.270	0.249
0.402	0.336	0.329	0.322	0.305	0.364	0.428	0.304	0.281	0.261
0.369	0.324	0.290	0.325	0.288	0.346	0.386	0.285	0.252	0.271
0.484	0.422	0.417	0.412	0.449	0.427	0.483	0.429	0.460	0.398
0.567	0.515	0.505	0.527	0.524	0.547	0.560	0.533	0.510	0.568
0.560	0.497	0.514	0.527	0.531	0.556	0.548	0.516	0.500	0.551
0.612	0.542	0.559	0.527	0.584	0.529	0.614	0.542	0.548	0.492

79	80	81	82	83	84	85	86	87	88
P-PU-TOS	P-PU-UNO	P-PU-WIE	P-PU-WLU	P-VM-179	P-VM-546	P-VM-AGB	P-VM-BML	P-VM-BNC	P-VM-BOG

0.000									
0.281	0.000								
0.412	0.368	0.000							
0.333	0.372	0.406	0.000						
0.284	0.252	0.315	0.345	0.000					
0.269	0.232	0.409	0.401	0.273	0.000				
0.302	0.352	0.350	0.433	0.266	0.322	0.000			
0.235	0.352	0.357	0.352	0.227	0.303	0.308	0.000		
0.279	0.305	0.389	0.394	0.290	0.281	0.325	0.302	0.000	
0.264	0.278	0.394	0.371	0.302	0.299	0.364	0.238	0.321	0.000
0.325	0.347	0.372	0.426	0.322	0.350	0.343	0.288	0.352	0.303
0.293	0.241	0.382	0.359	0.258	0.276	0.317	0.290	0.335	0.278
0.366	0.353	0.436	0.398	0.312	0.272	0.336	0.367	0.338	0.343
0.382	0.340	0.397	0.409	0.323	0.380	0.362	0.355	0.351	0.318
0.297	0.309	0.325	0.400	0.266	0.292	0.238	0.301	0.186	0.320
0.250	0.285	0.331	0.350	0.262	0.299	0.329	0.308	0.265	0.296
0.258	0.270	0.482	0.367	0.365	0.307	0.403	0.281	0.335	0.355
0.247	0.317	0.457	0.419	0.290	0.329	0.305	0.270	0.335	0.279
0.225	0.313	0.421	0.384	0.270	0.299	0.287	0.240	0.333	0.276
0.254	0.330	0.492	0.402	0.233	0.321	0.358	0.251	0.348	0.276
0.259	0.343	0.461	0.409	0.257	0.333	0.317	0.254	0.323	0.284
0.269	0.338	0.412	0.417	0.287	0.335	0.313	0.258	0.323	0.253
0.425	0.468	0.468	0.487	0.448	0.440	0.433	0.452	0.438	0.488
0.522	0.510	0.545	0.529	0.528	0.521	0.545	0.548	0.486	0.567
0.538	0.497	0.553	0.531	0.534	0.517	0.586	0.577	0.500	0.567
0.529	0.576	0.599	0.549	0.579	0.508	0.565	0.554	0.503	0.566

89	90	91	92	93	94	95	96	97	98
P-VM-CAS	P-VM-DGZ	P-VM-SLA	P-VM-TDA	P-VM-VGM	P-VM-VPA	P-VM-VSP	P-ZU-BZU	P-ZU-FZU	P-ZU-NER

0.000									
0.313	0.000								
0.381	0.319	0.000							
0.357	0.340	0.453	0.000						
0.331	0.289	0.301	0.352	0.000					
0.324	0.326	0.360	0.344	0.261	0.000				
0.345	0.319	0.371	0.439	0.342	0.341	0.000			
0.224	0.317	0.318	0.342	0.333	0.307	0.324	0.000		
0.230	0.272	0.300	0.351	0.288	0.290	0.319	0.060	0.000	
0.212	0.299	0.337	0.356	0.346	0.323	0.337	0.113	0.120	0.000
0.192	0.322	0.321	0.347	0.329	0.326	0.372	0.101	0.132	0.036
0.186	0.331	0.343	0.327	0.312	0.329	0.366	0.113	0.143	0.124
0.433	0.449	0.500	0.404	0.390	0.455	0.459	0.439	0.440	0.490
0.576	0.512	0.511	0.506	0.476	0.552	0.524	0.561	0.547	0.570
0.582	0.539	0.541	0.515	0.516	0.574	0.565	0.582	0.556	0.564
0.515	0.545	0.560	0.546	0.521	0.558	0.529	0.552	0.560	0.549

99	100	101	102	103	104
P-ZU-TRF	P-ZU-ZSL	Q-GQ-SFW	U-GU-FLA	U-GU-FLS	U-GU-MNB

0.000					
0.098	0.000				
0.458	0.449	0.000			
0.557	0.546	0.474	0.000		
0.585	0.561	0.494	0.107	0.000	
0.563	0.565	0.449	0.272	0.314	0.000