Table SM6. Genetic similarity matrix (SSR + SNP-CAPS markers)

Accessions	1	3	4	5	6	7	8	9	10	12	15	16	17	18	19	20	21	22	23	24	26	27	29	32	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	51	52	54	55	56	57	58	59	60	61	63	64	65	68	69	72	73	74	81	84	91	92	97	98	99	100	101	102	103	104	105	134	146	152	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170
1	1.000																																																																																								
3	0.893	1.000																																																																																							
4	0.964	0.857	1.000																																																																																						
5	0.821	0.786	0.857	1.000																																																																																					
6	0.750	0.643	0.786	0.786	1.000																																																																																				
7	0.821	0.714	0.857	0.821	0.857	1.000																																																																																			
8	0.714	0.607	0.714	0.679	0.750	0.786	1.000																																																																																		
9	0.821	0.714	0.857	0.750	0.857	0.786	0.714	1.000																																																																																	
10	0.786	0.679	0.750	0.750	0.786	0.750	0.857	0.750	1.000																																																																																
12	0.893	0.786	0.929	0.857	0.750	0.821	0.679	0.857	0.714	1.000																																																																															
15	0.964	0.857	0.929	0.786	0.786	0.786	0.679	0.857	0.750	0.857	1.000																																																																														
16	0.679	0.643	0.643	0.643	0.679	0.643	0.750	0.571	0.821	0.571	0.643	1.000																																																																													
17	0.714	0.607	0.714	0.714	0.786	0.750	0.929	0.750	0.857	0.714	0.679	0.750	1.000																																																																												
18	0.679	0.571	0.643	0.607	0.750	0.643	0.750	0.643	0.786	0.571	0.714	0.893	0.750	1.000																																																																											
19	0.786	0.679	0.750	0.750	0.786	0.750	0.857	0.750	1.000	0.714	0.750	0.821	0.857	0.786	1.000																																																																										
20	0.786	0.821	0.821	0.750	0.679	0.679	0.571	0.750	0.571	0.750	0.821	0.643	0.571	0.643	0.571	1.000																																																																									
21	0.679	0.643	0.714	0.786	0.679	0.643	0.607	0.750	0.643	0.714	0.714	0.571	0.643	0.607	0.643	0.786	1.000																																																																								
22	0.607	0.571	0.607	0.679	0.571	0.607	0.607	0.643	0.571	0.607	0.643	0.500	0.571	0.536	0.571	0.679	0.893	1.000																																																																							
23	0.679	0.571	0.679	0.714	0.679	0.643	0.643	0.714	0.714	0.679	0.714	0.643	0.679	0.679	0.714	0.679	0.821	0.786	1.000																																																																						
24	0.714	0.607	0.714	0.714	0.786	0.750	0.929	0.750	0.857	0.714	0.679	0.750	1.000	0.750	0.857	0.571	0.643	0.571	0.679	1.000																																																																					
26	0.714	0.750	0.750	0.786	0.679	0.714	0.536	0.679	0.607	0.714	0.679	0.571	0.571	0.500	0.607	0.714	0.643	0.536	0.571	0.571	1.000																																																																				
27	0.750	0.714	0.786	0.786	0.857	0.786	0.750	0.857	0.786	0.786	0.714	0.679	0.786	0.607	0.786	0.679	0.679	0.571	0.679	0.786	0.750	1.000																																																																			
29	0.162	0.162	0.162	0.216	0.216	0.162	0.216	0.216	0.270	0.162	0.162	0.216	0.270	0.216	0.270	0.162	0.216	0.162	0.270	0.270	0.162	0.270	1.000																																																																		
32	0.821	0.786	0.857	0.893	0.786	0.821	0.714	0.714	0.786	0.786	0.786	0.679	0.714	0.643	0.786	0.786	0.750	0.643	0.643	0.714	0.750	0.714	0.162	1.000																																																																	
35	0.821	0.857	0.786	0.786	0.679	0.643	0.607	0.714	0.679	0.714	0.857	0.679	0.607	0.643	0.679	0.857	0.750	0.679	0.679	0.607	0.714	0.679	0.162	0.786	1.000																																																																
36	0.786	0.750	0.750	0.643	0.750	0.607	0.643	0.750	0.679	0.679	0.821	0.679	0.643	0.679	0.679	0.750	0.643	0.643	0.607	0.643	0.607	0.750	0.162	0.643	0.821	1.000																																																															
37	0.893	0.929	0.929	0.857	0.714	0.786	0.643	0.786	0.679	0.857	0.857	0.643	0.643	0.571	0.679	0.893	0.714	0.607	0.607	0.643	0.821	0.786	0.162	0.857	0.857	0.750	1.000																																																														
38	0.679	0.571	0.679	0.714	0.679	0.643	0.643	0.714	0.714	0.679	0.714	0.643	0.679	0.679	0.714	0.679	0.821	0.786	1.000	0.679	0.571	0.679	0.270	0.643	0.679	0.607	0.607	1.000																																																													
39	0.679	0.643	0.679	0.750	0.643	0.607	0.607	0.714	0.643	0.679	0.714	0.571	0.643	0.607	0.643	0.750	0.964	0.929	0.857	0.643	0.607	0.643	0.216	0.714	0.750	0.643	0.679	0.857	1.000																																																												
40	0.750	0.643	0.750	0.679	0.750	0.821	0.893	0.786	0.786	0.750	0.714	0.643	0.893	0.643	0.786	0.607	0.607	0.607	0.643	0.893	0.536	0.750	0.216	0.679	0.607	0.643	0.679	0.643	0.607	1.000																																																											
41	0.786	0.750	0.821	0.750	0.857	0.786	0.679	0.893	0.679	0.786	0.821	0.679	0.714	0.679	0.679	0.821	0.679	0.571	0.679	0.714	0.714	0.857	0.216	0.679	0.786	0.821	0.821	0.679	0.643	0.750	1.000																																																										
42	0.821	0.714	0.821	0.821	0.857	0.821	0.750	0.750	0.821	0.750	0.857	0.714	0.750	0.750	0.821	0.714	0.714	0.643	0.750	0.750	0.643	0.714	0.216	0.857	0.786	0.714	0.750	0.750	0.714	0.714	0.750	1.000																																																									
43	0.786	0.679	0.821	0.821	0.929	0.857	0.786	0.786	0.821	0.786	0.750	0.714	0.821	0.714	0.821	0.643	0.643	0.536	0.643	0.821	0.679	0.857	0.216	0.821	0.643	0.714	0.750	0.643	0.607	0.786	0.786	0.857	1.000																																																								
44	0.679	0.643	0.679	0.643	0.821	0.679	0.714	0.714	0.750	0.679	0.714	0.679	0.714	0.679	0.750	0.643	0.571	0.571	0.607	0.714	0.571	0.786	0.216	0.679	0.679	0.821	0.679	0.607	0.571	0.679	0.750	0.786	0.786	1.000																																																							
45	0.857	0.821	0.857	0.857	0.786	0.786	0.679	0.786	0.714	0.786	0.893	0.607	0.679	0.679	0.714	0.821	0.750	0.679	0.714	0.679	0.714	0.714	0.216	0.821	0.821	0.714	0.857	0.714	0.750	0.679	0.786	0.893	0.786	0.714	1.000																																																						
46	0.821	0.714	0.857	0.786	0.821	0.821	0.786	0.929	0.786	0.857	0.786	0.643	0.821	0.643	0.786	0.714	0.714	0.607	0.714	0.821	0.679	0.893	0.270	0.714	0.679	0.714	0.786	0.714	0.679	0.857	0.893	0.714	0.821	0.679	0.750	1.000																																																					
47	0.786	0.679	0.821	0.750	0.750	0.750	0.714	0.857	0.750	0.821	0.750	0.571	0.750	0.571	0.750	0.643	0.679	0.643	0.643	0.750	0.643	0.821	0.216	0.714	0.607	0.714	0.750	0.643	0.643	0.750	0.750	0.714	0.821	0.714	0.750	0.857	1.000																																																				
48	0.750	0.786	0.786	0.821	0.821	0.786	0.679	0.786	0.750	0.750	0.714	0.714	0.714	0.607	0.750	0.750	0.679	0.571	0.571	0.714	0.786	0.821	0.162	0.857	0.786	0.714	0.857	0.571	0.643	0.714	0.821	0.750	0.821	0.714	0.714	0.786	0.714	1.000																																																			
49	0.750	0.714	0.786	0.857	0.821	0.714	0.679	0.821	0.714	0.750	0.786	0.643	0.714	0.679	0.714	0.786	0.786	0.679	0.714	0.714	0.679	0.750	0.216	0.786	0.821	0.750	0.786	0.714	0.750	0.714	0.857	0.821	0.821	0.679	0.857	0.821	0.750	0.821	1.000																																																		
51	0.821	0.786	0.857	0.786	0.750	0.750	0.679	0.857	0.714	0.929	0.786	0.643	0.714	0.571	0.714	0.750	0.643	0.536	0.607	0.714	0.714	0.857	0.162	0.714	0.714	0.750	0.857	0.607	0.607	0.750	0.857	0.679	0.786	0.750	0.714	0.857	0.821	0.821	0.750	1.000																																																	
52	0.679	0.643	0.714	0.714	0.857	0.750	0.643	0.786	0.750	0.679	0.714	0.714	0.679	0.679	0.750	0.679	0.643	0.536	0.679	0.679	0.750	0.786	0.162	0.750	0.714	0.714	0.714	0.679	0.607	0.643	0.821	0.786	0.786	0.750	0.679	0.714	0.679	0.857	0.750	0.750	1.000																																																
54	0.714	0.679	0.750	0.714	0.786	0.679	0.643	0.821	0.679	0.750	0.750	0.607	0.679	0.607	0.679	0.714	0.679	0.571	0.643	0.679	0.714	0.821	0.162	0.679	0.714	0.750	0.750	0.643	0.643	0.643	0.821	0.750	0.786	0.750	0.750	0.750	0.821	0.750	0.786	0.821	0.786	1.000																																															
55	0.750	0.714	0.786	0.750	0.679	0.714	0.679	0.714	0.679	0.786	0.714	0.571	0.714	0.571	0.679	0.679	0.714	0.607	0.679	0.714	0.643	0.714	0.162	0.750	0.643	0.607	0.714	0.679	0.679	0.643	0.679	0.679	0.714	0.571	0.679	0.750	0.750	0.643	0.679	0.714	0.607	0.750	1.000																																														
56	0.741	0.778	0.741	0.741	0.593	0.630	0.630	0.704	0.630	0.741	0.704	0.481	0.667	0.481	0.630	0.667	0.704	0.630	0.667	0.667	0.704	0.667	0.229	0.704	0.741	0.593	0.741	0.667	0.704	0.667	0.630	0.630	0.630	0.519	0.704	0.741	0.667	0.667	0.704	0.667	0.556	0.593	0.741	1.000																																													
57	0.750	0.714	0.786	0.750	0.750	0.750	0.714	0.821	0.679	0.786	0.786	0.607	0.750	0.607	0.679	0.786	0.750	0.643	0.750	0.750	0.679	0.821	0.270	0.679	0.750	0.714	0.786	0.750	0.714	0.750	0.857	0.750	0.714	0.714	0.786	0.821	0.786	0.679	0.750	0.786	0.714	0.821	0.750	0.667	1.000																																												
58	0.750	0.786	0.786	0.821	0.643	0.679	0.607	0.750	0.679	0.786	0.714	0.571	0.643	0.464	0.679	0.750	0.750	0.714	0.643	0.643	0.750	0.786	0.216	0.786	0.786	0.714	0.857	0.643	0.714	0.643	0.714	0.714	0.714	0.679	0.750	0.750	0.821	0.821	0.786	0.786	0.679	0.750	0.679	0.741	0.750	1.000																																											
59	0.821	0.714	0.857	0.929	0.786	0.821	0.750	0.821	0.821	0.893	0.786	0.643	0.786	0.607	0.821	0.679	0.786	0.679	0.786	0.786	0.714	0.857	0.270	0.821	0.714	0.643	0.786	0.786	0.750	0.750	0.750	0.821	0.821	0.679	0.786	0.857	0.821	0.750	0.786	0.821	0.714	0.750	0.786	0.741	0.821	0.821	1.000																																										
60	0.750	0.714	0.786	0.893	0.750	0.786	0.714	0.786	0.750	0.786	0.714	0.607	0.750	0.571	0.750	0.714	0.857	0.750	0.750	0.750	0.750	0.821	0.270	0.821	0.750	0.643	0.786	0.750	0.821	0.714	0.750	0.750	0.750	0.607	0.786	0.857	0.750	0.786	0.821	0.714	0.679	0.679	0.750	0.778	0.786	0.821	0.893	1.000																																									
61	0.786	0.679	0.821	0.857	0.821	0.786	0.714	0.857	0.786	0.821	0.821	0.607	0.750	0.643	0.786	0.714	0.821	0.714	0.821	0.750	0.679	0.821	0.270	0.786	0.750	0.679	0.750	0.821	0.786	0.714	0.786	0.893	0.821	0.714	0.857	0.821	0.821	0.714	0.857	0.750	0.750	0.821	0.750	0.704	0.857	0.821	0.929	0.857	1.000																																								
63	0.857	0.750	0.893	0.857	0.786	0.857	0.714	0.821	0.750	0.893	0.821	0.607	0.750	0.607	0.750	0.714	0.714	0.607	0.714	0.750	0.714	0.821	0.216	0.786	0.679	0.643	0.821	0.714	0.679	0.750	0.786	0.821	0.857	0.679	0.857	0.857	0.857	0.714	0.786	0.821	0.679	0.821	0.821	0.704	0.821	0.786	0.893	0.821	0.893	1.000																																							
64	0.821	0.714	0.857	0.821	0.821	0.821	0.679	0.786	0.679	0.821	0.786	0.607	0.714	0.607	0.679	0.714	0.714	0.607	0.679	0.714	0.750	0.821	0.162	0.786	0.714	0.714	0.786	0.679	0.679	0.679	0.786	0.750	0.821	0.643	0.750	0.821	0.786	0.750	0.750	0.750	0.714	0.750	0.821	0.704	0.786	0.714	0.821	0.821	0.786	0.821	1.000																																						
65	0.857	0.750	0.893	0.821	0.786	0.857	0.714	0.893	0.750	0.893	0.821	0.571	0.750	0.571	0.750	0.714	0.786	0.679	0.714	0.750	0.750	0.857	0.216	0.786	0.679	0.679	0.821	0.714	0.750	0.750	0.786	0.750	0.786	0.643	0.786	0.893	0.857	0.750	0.714	0.821	0.714	0.750	0.786	0.741	0.821	0.786	0.893	0.893	0.857	0.893	0.857	1.000																																					
68	0.229	0.229	0.229	0.229	0.229	0.171	0.171	0.229	0.229	0.229	0.229	0.229	0.229	0.229	0.229	0.229	0.229	0.171	0.229	0.229	0.229	0.229	0.375	0.229	0.229	0.229	0.229	0.229	0.229	0.171	0.229	0.229	0.229	0.229	0.229	0.229	0.229	0.229	0.229	0.229	0.229	0.229	0.229	0.242	0.229	0.229	0.229	0.229	0.229	0.229	0.229	0.229	1.000																																				
69	0.679	0.714	0.679	0.750	0.714	0.679	0.786	0.679	0.821	0.643	0.643	0.750	0.786	0.643	0.821	0.679	0.714	0.643	0.714	0.786	0.643	0.786	0.270	0.786	0.750	0.679	0.750	0.714	0.714	0.750	0.714	0.750	0.750	0.750	0.714	0.750	0.679	0.821	0.750	0.714	0.714	0.679	0.643	0.667	0.714	0.750	0.750	0.786	0.714	0.679	0.643	0.679	0.229	1.000																																			
72	0.821	0.786	0.786	0.786	0.786	0.786	0.821	0.714	0.821	0.714	0.786	0.786	0.821	0.786	0.821	0.714	0.643	0.571	0.607	0.821	0.643	0.714	0.216	0.821	0.750	0.714	0.786	0.607	0.643	0.786	0.750	0.786	0.821	0.714	0.821	0.786	0.714	0.786	0.786	0.714	0.679	0.643	0.643	0.667	0.679	0.643	0.714	0.750	0.679	0.750	0.714	0.714	0.229	0.821	1.000																																		
73	0.786	0.821	0.786	0.821	0.643	0.714	0.607	0.714	0.643	0.857	0.750	0.571	0.643	0.500	0.643	0.750	0.679	0.607	0.607	0.643	0.750	0.750	0.162	0.750	0.750	0.643	0.857	0.607	0.679	0.643	0.714	0.679	0.679	0.679	0.786	0.714	0.750	0.750	0.679	0.857	0.643	0.750	0.714	0.704	0.786	0.786	0.786	0.750	0.714	0.786	0.750	0.786	0.229	0.714	0.714	1.000																																	
74	0.786	0.679	0.821	0.786	0.893	0.893	0.750	0.821	0.714	0.786	0.821	0.679	0.786	0.750	0.714	0.750	0.714	0.607	0.714	0.786	0.679	0.750	0.216	0.786	0.714	0.679	0.750	0.714	0.679	0.750	0.857	0.857	0.821	0.714	0.821	0.821	0.714	0.750	0.786	0.714	0.786	0.714	0.714	0.630	0.821	0.643	0.786	0.786	0.821	0.821	0.821	0.821	0.229	0.679	0.821	0.679	1.000																																
81	0.857	0.750	0.893	0.857	0.857	0.857	0.750	0.857	0.786	0.857	0.821	0.679	0.786	0.679	0.786	0.714	0.679	0.571	0.679	0.786	0.714	0.857	0.216	0.786	0.679	0.714	0.821	0.679	0.643	0.786	0.857	0.821	0.929	0.714	0.857	0.893	0.893	0.786	0.857	0.857	0.750	0.821	0.750	0.667	0.786	0.750	0.857	0.786	0.857	0.929	0.821	0.857	0.229	0.714	0.821	0.750	0.821	1.000																															
84	0.857	0.821	0.893	0.893	0.750	0.821	0.643	0.786	0.679	0.857	0.821	0.571	0.679	0.571	0.679	0.786	0.750	0.643	0.643	0.679	0.786	0.750	0.162	0.857	0.750	0.643	0.893	0.643	0.714	0.679	0.750	0.786	0.821	0.607	0.893	0.786	0.857	0.786	0.821	0.786	0.679	0.786	0.786	0.741	0.786	0.821	0.821	0.821	0.821	0.893	0.857	0.857	0.229	0.679	0.786	0.857	0.786	0.893	1.000																														
91	0.852	0.815	0.852	0.778	0.778	0.778	0.741	0.815	0.741	0.815	0.815	0.667	0.778	0.667	0.741	0.704	0.630	0.556	0.667	0.778	0.630	0.778	0.229	0.704	0.704	0.741	0.778	0.667	0.630	0.815	0.852	0.741	0.815	0.667	0.778	0.889	0.778	0.741	0.815	0.815	0.667	0.704	0.778	0.769	0.741	0.667	0.778	0.741	0.741	0.815	0.778	0.778	0.242	0.704	0.815	0.704	0.778	0.889	0.778	1.000																													
92	0.778	0.667	0.778	0.815	0.704	0.741	0.704	0.704	0.778	0.815	0.741	0.667	0.741	0.630	0.778	0.630	0.704	0.630	0.815	0.741	0.667	0.741	0.229	0.741	0.704	0.630	0.704	0.815	0.704	0.704	0.704	0.778	0.741	0.667	0.741	0.778	0.741	0.667	0.741	0.741	0.704	0.704	0.778	0.731	0.778	0.704	0.852	0.815	0.815	0.815	0.815	0.778	0.242	0.704	0.704	0.778	0.741	0.778	0.778	0.769	1.000																												
97	0.741	0.704	0.741	0.667	0.667	0.630	0.630	0.741	0.630	0.778	0.778	0.593	0.667	0.593	0.630	0.778	0.667	0.593	0.667	0.667	0.630	0.704	0.171	0.667	0.778	0.741	0.741	0.667	0.667	0.630	0.778	0.704	0.630	0.704	0.704	0.704	0.630	0.667	0.704	0.778	0.667	0.741	0.741	0.654	0.778	0.704	0.704	0.667	0.741	0.704	0.704	0.704	0.242	0.630	0.593	0.741	0.704	0.667	0.667	0.692	0.731	1.000																											
98	1.000	0.893	0.964	0.821	0.750	0.821	0.714	0.821	0.786	0.893	0.964	0.679	0.714	0.679	0.786	0.786	0.679	0.607	0.679	0.714	0.714	0.750	0.162	0.821	0.821	0.786	0.893	0.679	0.679	0.750	0.786	0.821	0.786	0.679	0.857	0.821	0.786	0.750	0.750	0.821	0.679	0.714	0.750	0.741	0.750	0.750	0.821	0.750	0.786	0.857	0.821	0.857	0.229	0.679	0.821	0.786	0.786	0.857	0.857	0.852	0.778	0.741	1.000																										
99	0.929	0.964	0.893	0.821	0.679	0.750	0.643	0.750	0.714	0.821	0.893	0.679	0.643	0.607	0.714	0.857	0.679	0.607	0.607	0.643	0.786	0.750	0.162	0.821	0.893	0.786	0.964	0.607	0.679	0.679	0.786	0.750	0.714	0.679	0.857	0.750	0.714	0.821	0.750	0.821	0.679	0.714	0.679	0.741	0.750	0.821	0.750	0.750	0.714	0.786	0.750	0.786	0.229	0.750	0.821	0.857	0.714	0.786	0.857	0.778	0.704	0.741	0.929	1.000																									
100	0.929	0.893	0.893	0.750	0.750	0.750	0.643	0.821	0.714	0.821	0.964	0.679	0.643	0.679	0.714	0.857	0.679	0.607	0.679	0.643	0.714	0.750	0.162	0.750	0.893	0.857	0.893	0.679	0.679	0.679	0.857	0.821	0.714	0.750	0.857	0.750	0.714	0.750	0.750	0.821	0.750	0.786	0.679	0.667	0.821	0.750	0.750	0.679	0.786	0.786	0.750	0.786	0.229	0.679	0.750	0.786	0.786	0.786	0.786	0.778	0.704	0.815	0.929	0.929	1.000																								
101	0.821	0.857	0.786	0.714	0.643	0.643	0.571	0.714	0.607	0.714	0.857	0.607	0.571	0.607	0.607	0.857	0.679	0.607	0.607	0.571	0.750	0.643	0.162	0.714	0.929	0.786	0.857	0.607	0.679	0.607	0.786	0.714	0.607	0.643	0.821	0.679	0.607	0.714	0.750	0.714	0.643	0.679	0.607	0.778	0.750	0.714	0.643	0.679	0.679	0.679	0.679	0.679	0.229	0.679	0.750	0.750	0.714	0.679	0.750	0.704	0.630	0.741	0.821	0.893	0.893	1.000																							
102	0.786	0.821	0.821	0.821	0.786	0.714	0.607	0.750	0.643	0.750	0.821	0.607	0.607	0.607	0.643	0.857	0.750	0.643	0.643	0.607	0.821	0.786	0.162	0.821	0.857	0.786	0.893	0.643	0.714	0.571	0.786	0.786	0.750	0.750	0.857	0.679	0.679	0.786	0.786	0.750	0.786	0.786	0.679	0.667	0.786	0.786	0.750	0.750	0.786	0.750	0.786	0.750	0.229	0.714	0.714	0.786	0.750	0.750	0.821	0.667	0.667	0.741	0.786	0.857	0.857	0.821	1.000																						
103	0.821	0.857	0.857	0.893	0.786	0.857	0.643	0.786	0.679	0.821	0.786	0.643	0.679	0.571	0.679	0.821	0.714	0.607	0.643	0.679	0.857	0.857	0.216	0.821	0.786	0.679	0.929	0.643	0.679	0.679	0.857	0.750	0.786	0.679	0.857	0.821	0.750	0.857	0.786	0.821	0.750	0.750	0.714	0.704	0.821	0.821	0.821	0.857	0.786	0.857	0.821	0.857	0.229	0.750	0.786	0.857	0.821	0.857	0.893	0.778	0.741	0.704	0.821	0.893	0.821	0.786	0.857	1.000																					
104	0.714	0.750	0.750	0.821	0.750	0.750	0.679	0.750	0.679	0.750	0.679	0.536	0.714	0.536	0.679	0.714	0.750	0.643	0.679	0.714	0.714	0.821	0.270	0.786	0.679	0.607	0.750	0.679	0.714	0.679	0.714	0.679	0.750	0.607	0.750	0.821	0.714	0.714	0.750	0.679	0.607	0.643	0.821	0.815	0.750	0.750	0.821	0.893	0.786	0.786	0.821	0.821	0.229	0.714	0.714	0.714	0.750	0.750	0.786	0.778	0.741	0.667	0.714	0.714	0.643	0.643	0.750	0.821	1.000																				
105	0.167	0.167	0.167	0.167	0.167	0.111	0.111	0.167	0.167	0.167	0.167	0.167	0.167	0.167	0.167	0.167	0.167	0.111	0.167	0.167	0.167	0.167	0.471	0.167	0.167	0.167	0.167	0.167	0.167	0.111	0.167	0.167	0.167	0.167	0.167	0.167	0.167	0.167	0.167	0.167	0.167	0.167	0.167	0.176	0.167	0.167	0.167	0.167	0.167	0.167	0.167	0.167	0.667	0.167	0.167	0.167	0.167	0.167	0.167	0.176	0.176	0.176	0.167	0.167	0.167	0.167	0.167	0.167	0.167	1.000																			
134	0.778	0.815	0.778	0.778	0.667	0.704	0.704	0.741	0.741	0.778	0.741	0.667	0.741	0.556	0.741	0.704	0.704	0.630	0.741	0.741	0.667	0.815	0.286	0.704	0.778	0.704	0.778	0.741	0.704	0.741	0.778	0.741	0.704	0.667	0.704	0.815	0.704	0.741	0.741	0.778	0.667	0.704	0.778	0.808	0.815	0.815	0.852	0.815	0.815	0.778	0.741	0.778	0.242	0.778	0.667	0.741	0.704	0.741	0.704	0.846	0.808	0.769	0.778	0.778	0.778	0.704	0.704	0.778	0.815	0.176	1.000																		
146	0.704	0.667	0.704	0.741	0.741	0.630	0.667	0.778	0.704	0.704	0.741	0.593	0.704	0.667	0.704	0.704	0.704	0.630	0.704	0.704	0.704	0.704	0.229	0.667	0.741	0.704	0.704	0.704	0.704	0.704	0.778	0.704	0.704	0.667	0.778	0.778	0.667	0.704	0.852	0.704	0.667	0.741	0.630	0.692	0.704	0.667	0.704	0.741	0.741	0.704	0.667	0.667	0.242	0.704	0.741	0.667	0.704	0.741	0.704	0.769	0.731	0.692	0.704	0.704	0.704	0.704	0.704	0.704	0.704	0.176	0.692	1.000																	
152	0.929	0.821	0.893	0.821	0.750	0.821	0.786	0.750	0.786	0.821	0.893	0.750	0.786	0.750	0.786	0.750	0.679	0.607	0.714	0.786	0.679	0.750	0.216	0.786	0.786	0.750	0.821	0.714	0.679	0.750	0.786	0.821	0.786	0.679	0.857	0.821	0.750	0.679	0.750	0.750	0.643	0.679	0.750	0.704	0.786	0.679	0.821	0.786	0.786	0.857	0.821	0.821	0.229	0.714	0.893	0.750	0.857	0.857	0.821	0.852	0.815	0.704	0.929	0.857	0.857	0.786	0.750	0.821	0.750	0.167	0.778	0.704	1.000																
154	0.714	0.750	0.750	0.750	0.750	0.750	0.643	0.750	0.643	0.786	0.750	0.607	0.679	0.607	0.643	0.821	0.714	0.607	0.643	0.679	0.679	0.714	0.216	0.750	0.786	0.679	0.821	0.643	0.679	0.714	0.821	0.750	0.714	0.786	0.786	0.750	0.643	0.786	0.786	0.786	0.714	0.714	0.643	0.667	0.821	0.750	0.714	0.750	0.750	0.750	0.679	0.714	0.229	0.750	0.750	0.786	0.821	0.714	0.750	0.704	0.704	0.778	0.714	0.786	0.786	0.786	0.786	0.821	0.714	0.167	0.741	0.741	0.714	1.000															
155	0.786	0.750	0.750	0.750	0.714	0.643	0.643	0.750	0.714	0.714	0.821	0.607	0.643	0.679	0.714	0.786	0.821	0.750	0.750	0.643	0.679	0.714	0.216	0.750	0.786	0.714	0.750	0.750	0.821	0.607	0.643	0.750	0.679	0.679	0.821	0.679	0.679	0.643	0.714	0.643	0.643	0.679	0.643	0.704	0.714	0.714	0.750	0.750	0.786	0.714	0.714	0.750	0.229	0.679	0.714	0.714	0.679	0.679	0.750	0.630	0.667	0.667	0.786	0.786	0.786	0.750	0.857	0.714	0.750	0.167	0.667	0.704	0.750	0.679	1.000														
156	0.857	0.750	0.893	0.857	0.786	0.821	0.679	0.821	0.714	0.857	0.821	0.643	0.714	0.607	0.714	0.786	0.750	0.643	0.714	0.714	0.750	0.786	0.162	0.857	0.786	0.714	0.821	0.714	0.714	0.714	0.821	0.786	0.786	0.607	0.750	0.857	0.750	0.821	0.821	0.786	0.750	0.714	0.821	0.741	0.750	0.786	0.857	0.857	0.821	0.821	0.893	0.857	0.229	0.679	0.714	0.714	0.821	0.821	0.821	0.815	0.815	0.778	0.857	0.786	0.786	0.714	0.750	0.821	0.821	0.167	0.815	0.704	0.821	0.714	0.679	1.000													
157	0.857	0.821	0.893	0.893	0.786	0.857	0.679	0.821	0.679	0.857	0.821	0.607	0.714	0.607	0.679	0.821	0.750	0.643	0.679	0.714	0.786	0.786	0.216	0.821	0.786	0.679	0.893	0.679	0.714	0.750	0.857	0.750	0.786	0.607	0.857	0.893	0.750	0.821	0.857	0.786	0.679	0.679	0.750	0.778	0.786	0.786	0.821	0.893	0.786	0.857	0.857	0.857	0.229	0.714	0.821	0.786	0.857	0.857	0.893	0.852	0.778	0.704	0.857	0.857	0.786	0.786	0.786	0.929	0.857	0.167	0.778	0.778	0.857	0.821	0.714	0.893	1.000												
158	0.679	0.571	0.679	0.714	0.679	0.643	0.643	0.714	0.714	0.679	0.714	0.643	0.679	0.679	0.714	0.679	0.821	0.786	1.000	0.679	0.571	0.679	0.270	0.643	0.679	0.607	0.607	1.000	0.857	0.643	0.679	0.750	0.643	0.607	0.714	0.714	0.643	0.571	0.714	0.607	0.679	0.643	0.679	0.667	0.750	0.643	0.786	0.750	0.821	0.714	0.679	0.714	0.229	0.714	0.607	0.607	0.714	0.679	0.643	0.667	0.815	0.667	0.679	0.607	0.679	0.607	0.643	0.643	0.679	0.167	0.741	0.704	0.714	0.643	0.750	0.714	0.679	1.000											
159	0.714	0.679	0.750	0.679	0.714	0.679	0.607	0.821	0.643	0.750	0.750	0.571	0.643	0.571	0.643	0.750	0.714	0.607	0.786	0.643	0.714	0.786	0.216	0.643	0.750	0.714	0.750	0.786	0.679	0.643	0.821	0.679	0.643	0.643	0.679	0.786	0.679	0.714	0.714	0.750	0.786	0.750	0.679	0.704	0.821	0.750	0.750	0.750	0.786	0.714	0.750	0.786	0.229	0.679	0.571	0.679	0.750	0.679	0.679	0.667	0.741	0.778	0.714	0.714	0.786	0.714	0.750	0.750	0.714	0.167	0.778	0.704	0.679	0.750	0.679	0.786	0.750	0.786	1.000										
160	0.964	0.929	0.929	0.857	0.714	0.786	0.679	0.786	0.750	0.857	0.929	0.643	0.679	0.643	0.750	0.821	0.714	0.643	0.643	0.679	0.750	0.714	0.162	0.857	0.857	0.750	0.929	0.643	0.714	0.714	0.750	0.786	0.750	0.643	0.893	0.786	0.750	0.786	0.786	0.786	0.643	0.679	0.714	0.778	0.714	0.786	0.786	0.786	0.750	0.821	0.786	0.821	0.229	0.714	0.857	0.821	0.750	0.821	0.893	0.815	0.741	0.704	0.964	0.964	0.893	0.857	0.821	0.857	0.750	0.167	0.741	0.741	0.893	0.750	0.821	0.821	0.893	0.643	0.679	1.000									
161	0.964	0.929	0.929	0.857	0.714	0.786	0.679	0.786	0.750	0.857	0.929	0.643	0.679	0.643	0.750	0.821	0.714	0.643	0.643	0.679	0.750	0.714	0.162	0.857	0.857	0.750	0.929	0.643	0.714	0.714	0.750	0.786	0.750	0.643	0.893	0.786	0.750	0.786	0.786	0.786	0.643	0.679	0.714	0.778	0.714	0.786	0.786	0.786	0.750	0.821	0.786	0.821	0.229	0.714	0.857	0.821	0.750	0.821	0.893	0.815	0.741	0.704	0.964	0.964	0.893	0.857	0.821	0.857	0.750	0.167	0.741	0.741	0.893	0.750	0.821	0.821	0.893	0.643	0.679	1.000	1.000								
162	0.786	0.821	0.821	0.786	0.643	0.714	0.571	0.679	0.607	0.750	0.750	0.643	0.571	0.571	0.607	0.893	0.714	0.607	0.607	0.571	0.750	0.714	0.162	0.821	0.750	0.643	0.893	0.607	0.679	0.571	0.714	0.679	0.679	0.607	0.786	0.679	0.679	0.750	0.679	0.750	0.643	0.679	0.679	0.630	0.714	0.750	0.714	0.714	0.679	0.750	0.714	0.750	0.229	0.679	0.714	0.786	0.679	0.750	0.821	0.667	0.630	0.741	0.786	0.857	0.786	0.750	0.821	0.857	0.714	0.167	0.667	0.593	0.750	0.714	0.750	0.750	0.786	0.607	0.643	0.821	0.821	1.000							
163	0.786	0.750	0.821	0.821	0.786	0.786	0.643	0.893	0.679	0.821	0.821	0.500	0.679	0.571	0.679	0.786	0.821	0.714	0.714	0.679	0.786	0.786	0.216	0.786	0.750	0.643	0.821	0.714	0.786	0.679	0.786	0.750	0.714	0.643	0.857	0.821	0.786	0.750	0.786	0.750	0.750	0.750	0.714	0.741	0.821	0.786	0.821	0.857	0.857	0.821	0.786	0.893	0.229	0.679	0.714	0.786	0.821	0.786	0.857	0.704	0.704	0.704	0.786	0.786	0.786	0.750	0.857	0.857	0.821	0.167	0.704	0.741	0.750	0.786	0.857	0.786	0.857	0.714	0.786	0.821	0.821	0.750	1.000						
164	0.679	0.643	0.679	0.750	0.643	0.607	0.607	0.714	0.643	0.679	0.714	0.571	0.643	0.607	0.643	0.750	0.964	0.929	0.857	0.643	0.607	0.643	0.216	0.714	0.750	0.643	0.679	0.857	1.000	0.607	0.643	0.714	0.607	0.571	0.750	0.679	0.643	0.643	0.750	0.607	0.607	0.643	0.679	0.704	0.714	0.714	0.750	0.821	0.786	0.679	0.679	0.750	0.229	0.714	0.643	0.679	0.679	0.643	0.714	0.630	0.704	0.667	0.679	0.679	0.679	0.679	0.714	0.679	0.714	0.167	0.704	0.704	0.679	0.679	0.821	0.714	0.714	0.857	0.679	0.714	0.714	0.679	0.786	1.000					
165	0.679	0.571	0.643	0.607	0.750	0.643	0.750	0.643	0.786	0.571	0.714	0.893	0.750	1.000	0.786	0.643	0.607	0.536	0.679	0.750	0.500	0.607	0.216	0.643	0.643	0.679	0.571	0.679	0.607	0.643	0.679	0.750	0.714	0.679	0.679	0.643	0.571	0.607	0.679	0.571	0.679	0.607	0.571	0.481	0.607	0.464	0.607	0.571	0.643	0.607	0.607	0.571	0.229	0.643	0.786	0.500	0.750	0.679	0.571	0.667	0.630	0.593	0.679	0.607	0.679	0.607	0.607	0.571	0.536	0.167	0.556	0.667	0.750	0.607	0.679	0.607	0.607	0.679	0.571	0.643	0.643	0.571	0.571	0.607	1.000				
166	0.786	0.750	0.821	0.750	0.714	0.714	0.643	0.821	0.679	0.893	0.750	0.679	0.679	0.607	0.679	0.786	0.679	0.571	0.643	0.679	0.679	0.821	0.162	0.679	0.679	0.714	0.821	0.643	0.643	0.714	0.821	0.643	0.750	0.714	0.679	0.821	0.786	0.786	0.714	0.964	0.714	0.786	0.679	0.630	0.750	0.750	0.786	0.679	0.714	0.786	0.714	0.786	0.229	0.679	0.679	0.821	0.679	0.821	0.750	0.778	0.704	0.741	0.786	0.786	0.786	0.679	0.714	0.786	0.643	0.167	0.741	0.667	0.714	0.750	0.679	0.750	0.750	0.643	0.714	0.750	0.750	0.786	0.714	0.643	0.607	1.000			
167	0.821	0.857	0.786	0.714	0.571	0.643	0.607	0.679	0.643	0.786	0.786	0.536	0.607	0.536	0.643	0.714	0.643	0.571	0.571	0.607	0.679	0.607	0.162	0.714	0.786	0.643	0.786	0.571	0.643	0.643	0.643	0.643	0.607	0.571	0.750	0.714	0.643	0.643	0.679	0.714	0.500	0.571	0.714	0.889	0.643	0.679	0.679	0.714	0.643	0.714	0.679	0.714	0.229	0.643	0.750	0.750	0.643	0.679	0.750	0.778	0.704	0.667	0.821	0.821	0.750	0.857	0.679	0.714	0.750	0.167	0.741	0.667	0.786	0.714	0.714	0.714	0.786	0.571	0.607	0.857	0.857	0.679	0.714	0.643	0.536	0.679	1.000		
168	0.786	0.821	0.821	0.929	0.786	0.821	0.643	0.750	0.714	0.786	0.750	0.679	0.679	0.571	0.714	0.786	0.750	0.643	0.679	0.679	0.857	0.857	0.216	0.857	0.821	0.679	0.893	0.679	0.714	0.643	0.821	0.786	0.786	0.679	0.821	0.786	0.714	0.893	0.821	0.786	0.786	0.750	0.714	0.704	0.786	0.857	0.857	0.893	0.821	0.821	0.821	0.821	0.229	0.786	0.750	0.821	0.786	0.821	0.857	0.741	0.778	0.704	0.786	0.857	0.786	0.750	0.857	0.964	0.821	0.167	0.815	0.704	0.786	0.786	0.714	0.857	0.893	0.679	0.750	0.821	0.821	0.821	0.821	0.714	0.571	0.750	0.679	1.000	
169	0.821	0.857	0.786	0.714	0.643	0.643	0.571	0.714	0.607	0.714	0.857	0.607	0.571	0.607	0.607	0.857	0.679	0.607	0.607	0.571	0.679	0.643	0.162	0.714	0.929	0.786	0.857	0.607	0.679	0.607	0.786	0.714	0.607	0.643	0.821	0.679	0.607	0.714	0.750	0.714	0.643	0.679	0.607	0.704	0.750	0.714	0.643	0.679	0.679	0.679	0.679	0.679	0.229	0.679	0.750	0.750	0.714	0.679	0.750	0.704	0.630	0.815	0.821	0.893	0.893	0.929	0.821	0.786	0.643	0.167	0.704	0.704	0.786	0.786	0.750	0.714	0.786	0.607	0.714	0.857	0.857	0.821	0.750	0.679	0.607	0.679	0.786	0.750	1.000	
170	0.679	0.714	0.714	0.786	0.786	0.714	0.607	0.750	0.607	0.750	0.714	0.571	0.643	0.571	0.607	0.821	0.750	0.643	0.679	0.643	0.750	0.821	0.216	0.750	0.786	0.714	0.786	0.679	0.714	0.607	0.821	0.714	0.714	0.750	0.786	0.750	0.643	0.750	0.786	0.750	0.714	0.750	0.714	0.667	0.821	0.750	0.750	0.821	0.786	0.750	0.786	0.750	0.229	0.714	0.679	0.786	0.786	0.714	0.750	0.667	0.741	0.815	0.679	0.750	0.750	0.750	0.857	0.857	0.857	0.167	0.741	0.741	0.714	0.857	0.750	0.786	0.821	0.679	0.786	0.714	0.714	0.750	0.821	0.714	0.571	0.714	0.679	0.857	0.750	1.000