Supplementary information: kS-AD test on risks being in error from case studies 1 to 10

(http://l.academicdirect.org/Statistics/tests/kS-AD/ with "Case_Statistics.txt" input data)

Compute k-sample Anderson-Darling test.

Refs:

- Scholz FW, Stephens MA. 1987. K-sample Anderson-Darling Tests. Journal of the American Statistical Association 82:918-924.
- Department of Defense Handbook. 2002. Composite Materials Handbook. Volume 1. Polymer Matrix Composites Guidelines for Characterization of Structural Materials. Chapter 8. Statistical Methods. 8.3.2.2 The k-sample Anderson-Darling test, MIL-HDBK-17-1F.

Name Table:

Grp\Obs	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	Cnt
AD	0.288	0.894	0.619	0.482	0.81	0.683	0.32	0.322	0.853	0.583	10
KS	0.132	0.884	0.742	0.42	0.963	0.675	0.202	0.556	0.869	0.753	10
CM	0.259	0.927	0.635	0.414	0.884	0.673	0.333	0.451	0.828	0.627	10
KV	0.028	0.814	0.486	0.19	0.85	0.578	0.067	0.248	0.728	0.488	10
WU	0.049	0.844	0.401	0.154	0.742	0.58	0.106	0.162	0.694	0.373	10
H1	0.343	0.264	0.609	0.524	0.359	0.455	0.471	0.853	0.577	0.747	10
g1	0.112	0.109	0.451	0.255	0.034	0.247	0.729	0.98	0.746	0.874	10
TS	0.27	0.107	0.627	0.395	0.533	0.305	0.249	0.978	0.507	0.879	10
FCS	0.045	0.596	0.797	0.346	0.661	0.687	0.188	0.655	0.952	0.895	10

Here X are split into it's components.

X=(AD, KS, CM, KV, WU, H1, g1, TS, FCS)

Nr	X's	G.S	kAD	cAD	c/k	Groups	Interpretation
1	000000011	2	0.8946	2.3653	2.64	TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
2	000000101	2	0.5426	2.3653	4.36	g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
3	000000110	2	0.5793	2.3653	4.08	g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
4	000000111	3	0.6768	1.9672	2.91	g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
5	000001001	2	1.1767	2.3653	2.01	H1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
6	000001010	2	0.7073	2.3653	3.34	H1, TS	Cannot be rejected that the groups were selected from *identical populations*.
7	000001011	3	0.9044	1.9672	2.18	H1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
8	000001100	2	1.6960	2.3653	1.39	H1, g1	Cannot be rejected that the groups were selected from *identical populations*.
9	000001101	3	1.1149	1.9672	1.76	H1, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
10	000001110	3	0.9726	1.9672	2.02	H1, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
11	000001111	4	0.9136	1.7831	1.95	H1, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
12	000010001	2	1.0046	2.3653	2.35	WU, FCS	Cannot be rejected that the groups were selected from *identical populations*.
13	000010010	2	0.6654	2.3653	3.55	WU, TS	Cannot be rejected that the groups were selected from *identical populations*.

14	000010011	3	0.8476	1.9672	2.32	WU, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
15	000010100	2	0.4233	2.3653	5.59	WU, g1	Cannot be rejected that the groups were selected from *identical populations*.
16	000010101	3	0.6289	1.9672	3.13	WU, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
17	000010110	3	0.5246	1.9672	3.75	WU, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
18	000010111	4	0.6628	1.7831	2.69	WU, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
19	000011000	2	1.0621	2.3653	2.23	WU, H1	Cannot be rejected that the groups were selected from *identical populations*.
20	000011001	3	1.1048	1.9672	1.78	WU, H1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
21	000011010	3	0.8378	1.9672	2.35	WU, H1, TS	Cannot be rejected that the groups were selected from *identical populations*.
22	000011011	4	0.9223	1.7831	1.93	WU, H1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
23	000011100	3	0.9940	1.9672	1.98	WU, H1, g1	Cannot be rejected that the groups were selected from *identical populations*.
24	000011101	4	0.9405	1.7831	1.90	WU, H1, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
25	000011110	4	0.8097	1.7831	2.20	WU, H1, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
26	000011111	5	0.8432	1.6727	1.98	WU, H1, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
27	000100001	2	0.7643	2.3653	3.09	KV, FCS	Cannot be rejected that the groups were selected from *identical populations*.
28	000100010	2	0.6654	2.3653	3.55	KV, TS	Cannot be rejected that the groups were selected from *identical populations*.
29	000100011	3	0.7586	1.9672	2.59	KV, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
30	000100100	2	0.3981	2.3653	5.94	KV, g1	Cannot be rejected that the groups were selected from *identical populations*.
31	000100101	3	0.5486	1.9672	3.59	KV, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
32	000100110	3	0.5166	1.9672	3.81	KV, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
33	000100111	4	0.6193	1.7831	2.88	KV, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
34	000101000	2	0.8991	2.3653	2.63	KV, H1	Cannot be rejected that the groups were selected from *identical populations*.
35	000101001	3	0.9436	1.9672	2.08	KV, H1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
36	000101010	3	0.7841	1.9672	2.51	KV, H1, TS	Cannot be rejected that the groups were selected from *identical populations*.
37	000101011	4	0.8402	1.7831	2.12	KV, H1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
38	000101100	3	0.9327	1.9672	2.11	KV, H1, g1	Cannot be rejected that the groups were selected from *identical populations*.

39	000101101	4	0.8659	1.7831	2.06	KV, H1, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
40	000101110	4	0.7791	1.7831	2.29	KV, H1, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
41	000101111	5	0.7970	1.6727	2.10	KV, H1, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
42	000110000	2	0.2655	2.3653	8.91	KV, WU	Cannot be rejected that the groups were selected from *identical populations*.
43	000110001	3	0.6977	1.9672	2.82	KV, WU, FCS	Cannot be rejected that the groups were selected from *identical populations*.
44	000110010	3	0.5244	1.9672	3.75	KV, WU, TS	Cannot be rejected that the groups were selected from *identical populations*.
45	000110011	4	0.7003	1.7831	2.55	KV, WU, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
46	000110100	3	0.3802	1.9672	5.17	KV, WU, g1	Cannot be rejected that the groups were selected from *identical populations*.
47	000110101	4	0.5564	1.7831	3.20	KV, WU, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
48	000110110	4	0.4747	1.7831	3.76	KV, WU, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
49	000110111	5	0.5987	1.6727	2.79	KV, WU, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
50	000111000	3	0.6771	1.9672	2.91	KV, WU, H1	Cannot be rejected that the groups were selected from *identical populations*.
51	000111001	4	0.8591	1.7831	2.08	KV, WU, H1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
52	000111010	4	0.6987	1.7831	2.55	KV, WU, H1, TS	Cannot be rejected that the groups were selected from *identical populations*.
53	000111011	5	0.7991	1.6727	2.09	KV, WU, H1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
54	000111100	4	0.7361	1.7831	2.42	KV, WU, H1, g1	Cannot be rejected that the groups were selected from *identical populations*.
55	000111101	5	0.7829	1.6727	2.14	KV, WU, H1, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
56	000111110	5	0.6884	1.6727	2.43	KV, WU, H1, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
57	000111111	6	0.7471	1.5976	2.14	KV, WU, H1, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
58	001000001	2	0.3497	2.3653	6.76	CM, FCS	Cannot be rejected that the groups were selected from *identical populations*.
59	001000010	2	1.0316	2.3653	2.29	CM, TS	Cannot be rejected that the groups were selected from *identical populations*.
60	001000011	3	0.7386	1.9672	2.66	CM, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
61	001000100	2	1.4738	2.3653	1.60	CM, g1	Cannot be rejected that the groups were selected from *identical populations*.
62	001000101	3	0.7847	1.9672	2.51	CM, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
63	001000110	3	1.0166	1.9672	1.94	CM, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.

64	001000111	4	0.8023	1.7831	2.22	CM, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
65	001001000	2	0.8008	2.3653	2.95	CM, H1	Cannot be rejected that the groups were selected from *identical populations*.
66	001001001	3	0.7663	1.9672	2.57	CM, H1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
67	001001010	3	0.8677	1.9672	2.27	CM, H1, TS	Cannot be rejected that the groups were selected from *identical populations*.
68	001001011	4	0.8086	1.7831	2.21	CM, H1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
69	001001100	3	1.4526	1.9672	1.35	CM, H1, g1	Cannot be rejected that the groups were selected from *identical populations*.
70	001001101	4	1.0341	1.7831	1.72	CM, H1, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
71	001001110	4	1.0851	1.7831	1.64	CM, H1, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
72	001001111	5	0.9287	1.6727	1.80	CM, H1, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
73	001010000	2	1.5974	2.3653	1.48	CM, WU	Cannot be rejected that the groups were selected from *identical populations*.
74	001010001	3	0.9655	1.9672	2.04	CM, WU, FCS	Cannot be rejected that the groups were selected from *identical populations*.
75	001010010	3	1.0875	1.9672	1.81	CM, WU, TS	Cannot be rejected that the groups were selected from *identical populations*.
76	001010011	4	0.9048	1.7831	1.97	CM, WU, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
77	001010100	3	1.0572	1.9672	1.86	CM, WU, g1	Cannot be rejected that the groups were selected from *identical populations*.
78	001010101	4	0.8393	1.7831	2.12	CM, WU, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
79	001010110	4	0.8992	1.7831	1.98	CM, WU, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
80	001010111	5	0.8146	1.6727	2.05	CM, WU, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
81	001011000	3	1.2735	1.9672	1.54	CM, WU, H1	Cannot be rejected that the groups were selected from *identical populations*.
82	001011001	4	1.0277	1.7831	1.73	CM, WU, H1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
83	001011010	4	1.0265	1.7831	1.74	CM, WU, H1, TS	Cannot be rejected that the groups were selected from *identical populations*.
84	001011011	5	0.9375	1.6727	1.78	CM, WU, H1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
85	001011100	4	1.1571	1.7831	1.54	CM, WU, H1, g1	Cannot be rejected that the groups were selected from *identical populations*.
86	001011101	5	0.9889	1.6727	1.69	CM, WU, H1, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
87	001011110	5	0.9842	1.6727	1.70	CM, WU, H1, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
88	001011111	6	0.9117	1.5976	1.75	CM, WU, H1, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.

89	001100000	2	1.2600	2.3653	1.88	CM, KV	Cannot be rejected that the groups were selected from *identical populations*.
90	001100001	3	0.7504	1.9672	2.62	CM, KV, FCS	Cannot be rejected that the groups were selected from *identical populations*.
91	001100010	3	0.9784	1.9672	2.01	CM, KV, TS	Cannot be rejected that the groups were selected from *identical populations*.
92	001100011	4	0.7965	1.7831	2.24	CM, KV, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
93	001100100	3	0.9423	1.9672	2.09	CM, KV, g1	Cannot be rejected that the groups were selected from *identical populations*.
94	001100101	4	0.7384	1.7831	2.41	CM, KV, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
95	001100110	4	0.8421	1.7831	2.12	CM, KV, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
96	001100111	5	0.7529	1.6727	2.22	CM, KV, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
97	001101000	3	1.1032	1.9672	1.78	CM, KV, H1	Cannot be rejected that the groups were selected from *identical populations*.
98	001101001	4	0.8788	1.7831	2.03	CM, KV, H1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
99	001101010	4	0.9437	1.7831	1.89	CM, KV, H1, TS	Cannot be rejected that the groups were selected from *identical populations*.
100	001101011	5	0.8494	1.6727	1.97	CM, KV, H1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
101	001101100	4	1.0714	1.7831	1.66	CM, KV, H1, g1	Cannot be rejected that the groups were selected from *identical populations*.
102	001101101	5	0.9070	1.6727	1.84	CM, KV, H1, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
103	001101110	5	0.9333	1.6727	1.79	CM, KV, H1, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
104	001101111	6	0.8567	1.5976	1.86	CM, KV, H1, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
105	001110000	3	0.9963	1.9672	1.97	CM, KV, WU	Cannot be rejected that the groups were selected from *identical populations*.
106	001110001	4	0.8364	1.7831	2.13	CM, KV, WU, FCS	Cannot be rejected that the groups were selected from *identical populations*.
107	001110010	4	0.8735	1.7831	2.04	CM, KV, WU, TS	Cannot be rejected that the groups were selected from *identical populations*.
108	001110011	5	0.8153	1.6727	2.05	CM, KV, WU, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
109	001110100	4	0.8171	1.7831	2.18	CM, KV, WU, g1	Cannot be rejected that the groups were selected from *identical populations*.
110	001110101	5	0.7480	1.6727	2.24	CM, KV, WU, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
111	001110110	5	0.7698	1.6727	2.17	CM, KV, WU, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
112	001110111	6	0.7449	1.5976	2.14	CM, KV, WU, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
113	001111000	4	1.0020	1.7831	1.78	CM, KV, WU, H1	Cannot be rejected that the groups were selected from *identical populations*.

114	001111001	5	0.9128	1.6727	1.83	CM, KV, WU, H1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
115	001111010	5	0.8984	1.6727	1.86	CM, KV, WU, H1, TS	Cannot be rejected that the groups were selected from *identical populations*.
116	001111011	6	0.8646	1.5976	1.85	CM, KV, WU, H1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
117	001111100	5	0.9405	1.6727	1.78	CM, KV, WU, H1, g1	Cannot be rejected that the groups were selected from *identical populations*.
118	001111101	6	0.8731	1.5976	1.83	CM, KV, WU, H1, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
119	001111110	6	0.8613	1.5976	1.85	CM, KV, WU, H1, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
120	001111111	7	0.8333	1.5423	1.85	CM, KV, WU, H1, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
121	010000001	2	0.2591	2.3653	9.13	KS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
122	010000010	2	0.9833	2.3653	2.41	KS, TS	Cannot be rejected that the groups were selected from *identical populations*.
123	010000011	3	0.7109	1.9672	2.77	KS, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
124	010000100	2	0.9355	2.3653	2.53	KS, g1	Cannot be rejected that the groups were selected from *identical populations*.
125	010000101	3	0.5888	1.9672	3.34	KS, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
126	010000110	3	0.8387	1.9672	2.35	KS, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
127	010000111	4	0.7057	1.7831	2.53	KS, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
128	010001000	2	1.3360	2.3653	1.77	KS, H1	Cannot be rejected that the groups were selected from *identical populations*.
129	010001001	3	0.8737	1.9672	2.25	KS, H1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
130	010001010	3	0.9816	1.9672	2.00	KS, H1, TS	Cannot be rejected that the groups were selected from *identical populations*.
131	010001011	4	0.8560	1.7831	2.08	KS, H1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
132	010001100	3	1.3410	1.9672	1.47	KS, H1, g1	Cannot be rejected that the groups were selected from *identical populations*.
133	010001101	4	0.9775	1.7831	1.82	KS, H1, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
134	010001110	4	1.0334	1.7831	1.73	KS, H1, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
135	010001111	5	0.8959	1.6727	1.87	KS, H1, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
136	010010000	2	1.7279	2.3653	1.37	KS, WU	Cannot be rejected that the groups were selected from *identical populations*.
137	010010001	3	0.9776	1.9672	2.01	KS, WU, FCS	Cannot be rejected that the groups were selected from *identical populations*.
138	010010010	3	1.1333	1.9672	1.74	KS, WU, TS	Cannot be rejected that the groups were selected from *identical populations*.

139	010010011	4	0.9138	1.7831	1.95	KS, WU, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
140	010010100	3	0.9650	1.9672	2.04	KS, WU, g1	Cannot be rejected that the groups were selected from *identical populations*.
141	010010101	4	0.7777	1.7831	2.29	KS, WU, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
142	010010110	4	0.8547	1.7831	2.09	KS, WU, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
143	010010111	5	0.7790	1.6727	2.15	KS, WU, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
144	010011000	3	1.4615	1.9672	1.35	KS, WU, H1	Cannot be rejected that the groups were selected from *identical populations*.
145	010011001	4	1.0987	1.7831	1.62	KS, WU, H1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
146	010011010	4	1.1124	1.7831	1.60	KS, WU, H1, TS	Cannot be rejected that the groups were selected from *identical populations*.
147	010011011	5	0.9789	1.6727	1.71	KS, WU, H1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
148	010011100	4	1.1645	1.7831	1.53	KS, WU, H1, g1	Cannot be rejected that the groups were selected from *identical populations*.
149	010011101	5	0.9831	1.6727	1.70	KS, WU, H1, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
150	010011110	5	0.9876	1.6727	1.69	KS, WU, H1, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
151	010011111	6	0.9078	1.5976	1.76	KS, WU, H1, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
152	010100000	2	1.2145	2.3653	1.95	KS, KV	Cannot be rejected that the groups were selected from *identical populations*.
153	010100001	3	0.7207	1.9672	2.73	KS, KV, FCS	Cannot be rejected that the groups were selected from *identical populations*.
154	010100010	3	0.9569	1.9672	2.06	KS, KV, TS	Cannot be rejected that the groups were selected from *identical populations*.
155	010100011	4	0.7802	1.7831	2.29	KS, KV, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
156	010100100	3	0.7959	1.9672	2.47	KS, KV, g1	Cannot be rejected that the groups were selected from *identical populations*.
157	010100101	4	0.6539	1.7831	2.73	KS, KV, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
158	010100110	4	0.7673	1.7831	2.32	KS, KV, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
159	010100111	5	0.7017	1.6727	2.38	KS, KV, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
160	010101000	3	1.2125	1.9672	1.62	KS, KV, H1	Cannot be rejected that the groups were selected from *identical populations*.
161	010101001	4	0.9237	1.7831	1.93	KS, KV, H1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
162	010101010	4	0.9881	1.7831	1.80	KS, KV, H1, TS	Cannot be rejected that the groups were selected from *identical populations*.
163	010101011	5	0.8729	1.6727	1.92	KS, KV, H1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.

164	010101100	4	1.0454	1.7831	1.71	KS, KV, H1, g1	Cannot be rejected that the groups were selected from *identical populations*.
165	010101101	5	0.8849	1.6727	1.89	KS, KV, H1, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
166	010101110	5	0.9153	1.6727	1.83	KS, KV, H1, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
167	010101111	6	0.8410	1.5976	1.90	KS, KV, H1, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
168	010110000	3	1.1037	1.9672	1.78	KS, KV, WU	Cannot be rejected that the groups were selected from *identical populations*.
169	010110001	4	0.8648	1.7831	2.06	KS, KV, WU, FCS	Cannot be rejected that the groups were selected from *identical populations*.
170	010110010	4	0.9174	1.7831	1.94	KS, KV, WU, TS	Cannot be rejected that the groups were selected from *identical populations*.
171	010110011	5	0.8306	1.6727	2.01	KS, KV, WU, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
172	010110100	4	0.7956	1.7831	2.24	KS, KV, WU, g1	Cannot be rejected that the groups were selected from *identical populations*.
173	010110101	5	0.7235	1.6727	2.31	KS, KV, WU, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
174	010110110	5	0.7553	1.6727	2.21	KS, KV, WU, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
175	010110111	6	0.7283	1.5976	2.19	KS, KV, WU, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
176	010111000	4	1.1328	1.7831	1.57	KS, KV, WU, H1	Cannot be rejected that the groups were selected from *identical populations*.
177	010111001	5	0.9701	1.6727	1.72	KS, KV, WU, H1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
178	010111010	5	0.9637	1.6727	1.74	KS, KV, WU, H1, TS	Cannot be rejected that the groups were selected from *identical populations*.
179	010111011	6	0.8993	1.5976	1.78	KS, KV, WU, H1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
180	010111100	5	0.9643	1.6727	1.73	KS, KV, WU, H1, g1	Cannot be rejected that the groups were selected from *identical populations*.
181	010111101	6	0.8795	1.5976	1.82	KS, KV, WU, H1, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
182	010111110	6	0.8737	1.5976	1.83	KS, KV, WU, H1, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
183	010111111	7	0.8366	1.5423	1.84	KS, KV, WU, H1, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
184	011000000	2	0.4621	2.3653	5.12	KS, CM	Cannot be rejected that the groups were selected from *identical populations*.
185	011000001	3	0.3400	1.9672	5.79	KS, CM, FCS	Cannot be rejected that the groups were selected from *identical populations*.
186	011000010	3	0.8104	1.9672	2.43	KS, CM, TS	Cannot be rejected that the groups were selected from *identical populations*.
187	011000011	4	0.6463	1.7831	2.76	KS, CM, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
188	011000100	3	0.9983	1.9672	1.97	KS, CM, g1	Cannot be rejected that the groups were selected from *identical populations*.

189	011000101	4	0.6832	1.7831	2.61	KS, CM, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
190	011000110	4	0.9182	1.7831	1.94	KS, CM, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
191	011000111	5	0.7520	1.6727	2.22	KS, CM, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
192	011001000	3	0.8558	1.9672	2.30	KS, CM, H1	Cannot be rejected that the groups were selected from *identical populations*.
193	011001001	4	0.6949	1.7831	2.57	KS, CM, H1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
194	011001010	4	0.8687	1.7831	2.05	KS, CM, H1, TS	Cannot be rejected that the groups were selected from *identical populations*.
195	011001011	5	0.7695	1.6727	2.17	KS, CM, H1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
196	011001100	4	1.1885	1.7831	1.50	KS, CM, H1, g1	Cannot be rejected that the groups were selected from *identical populations*.
197	011001101	5	0.9187	1.6727	1.82	KS, CM, H1, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
198	011001110	5	1.0218	1.6727	1.64	KS, CM, H1, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
199	011001111	6	0.8814	1.5976	1.81	KS, CM, H1, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
200	011010000	3	1.2659	1.9672	1.55	KS, CM, WU	Cannot be rejected that the groups were selected from *identical populations*.
201	011010001	4	0.8859	1.7831	2.01	KS, CM, WU, FCS	Cannot be rejected that the groups were selected from *identical populations*.
202	011010010	4	1.0791	1.7831	1.65	KS, CM, WU, TS	Cannot be rejected that the groups were selected from *identical populations*.
203	011010011	5	0.8850	1.6727	1.89	KS, CM, WU, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
204	011010100	4	1.0449	1.7831	1.71	KS, CM, WU, g1	Cannot be rejected that the groups were selected from *identical populations*.
205	011010101	5	0.8390	1.6727	1.99	KS, CM, WU, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
206	011010110	5	0.9513	1.6727	1.76	KS, CM, WU, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
207	011010111	6	0.8337	1.5976	1.92	KS, CM, WU, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
208	011011000	4	1.2276	1.7831	1.45	KS, CM, WU, H1	Cannot be rejected that the groups were selected from *identical populations*.
209	011011001	5	0.9867	1.6727	1.70	KS, CM, WU, H1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
210	011011010	5	1.0686	1.6727	1.57	KS, CM, WU, H1, TS	Cannot be rejected that the groups were selected from *identical populations*.
211	011011011	6	0.9374	1.5976	1.70	KS, CM, WU, H1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
212	011011100	5	1.1438	1.6727	1.46	KS, CM, WU, H1, g1	Cannot be rejected that the groups were selected from *identical populations*.
213	011011101	6	0.9720	1.5976	1.64	KS, CM, WU, H1, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.

214	011011110	6	1.0217	1.5976	1.56	KS, CM, WU, H1, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
215	011011111	7	0.9214	1.5423	1.67	KS, CM, WU, H1, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
216	011100000	3	0.9643	1.9672	2.04	KS, CM, KV	Cannot be rejected that the groups were selected from *identical populations*.
217	011100001	4	0.6842	1.7831	2.61	KS, CM, KV, FCS	Cannot be rejected that the groups were selected from *identical populations*.
218	011100010	4	0.9297	1.7831	1.92	KS, CM, KV, TS	Cannot be rejected that the groups were selected from *identical populations*.
219	011100011	5	0.7637	1.6727	2.19	KS, CM, KV, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
220	011100100	4	0.9005	1.7831	1.98	KS, CM, KV, g1	Cannot be rejected that the groups were selected from *identical populations*.
221	011100101	5	0.7252	1.6727	2.31	KS, CM, KV, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
222	011100110	5	0.8640	1.6727	1.94	KS, CM, KV, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
223	011100111	6	0.7568	1.5976	2.11	KS, CM, KV, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
224	011101000	4	1.0382	1.7831	1.72	KS, CM, KV, H1	Cannot be rejected that the groups were selected from *identical populations*.
225	011101001	5	0.8380	1.6727	2.00	KS, CM, KV, H1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
226	011101010	5	0.9571	1.6727	1.75	KS, CM, KV, H1, TS	Cannot be rejected that the groups were selected from *identical populations*.
227	011101011	6	0.8392	1.5976	1.90	KS, CM, KV, H1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
228	011101100	5	1.0361	1.6727	1.61	KS, CM, KV, H1, g1	Cannot be rejected that the groups were selected from *identical populations*.
229	011101101	6	0.8800	1.5976	1.82	KS, CM, KV, H1, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
230	011101110	6	0.9500	1.5976	1.68	KS, CM, KV, H1, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
231	011101111	7	0.8554	1.5423	1.80	KS, CM, KV, H1, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
232	011110000	4	1.0626	1.7831	1.68	KS, CM, KV, WU	Cannot be rejected that the groups were selected from *identical populations*.
233	011110001	5	0.8602	1.6727	1.94	KS, CM, KV, WU, FCS	Cannot be rejected that the groups were selected from *identical populations*.
234	011110010	5	0.9635	1.6727	1.74	KS, CM, KV, WU, TS	Cannot be rejected that the groups were selected from *identical populations*.
235	011110011	6	0.8495	1.5976	1.88	KS, CM, KV, WU, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
236	011110100	5	0.9116	1.6727	1.83	KS, CM, KV, WU, g1	Cannot be rejected that the groups were selected from *identical populations*.
237	011110101	6	0.7960	1.5976	2.01	KS, CM, KV, WU, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
238	011110110	6	0.8632	1.5976	1.85	KS, CM, KV, WU, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.

239	011110111	7	0.7931	1.5423	1.94	KS, CM, KV, WU, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
240	011111000	5	1.0847	1.6727	1.54	KS, CM, KV, WU, H1	Cannot be rejected that the groups were selected from *identical populations*.
241	011111001	6	0.9380	1.5976	1.70	KS, CM, KV, WU, H1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
242	011111010	6	0.9846	1.5976	1.62	KS, CM, KV, WU, H1, TS	Cannot be rejected that the groups were selected from *identical populations*.
243	011111011	7	0.8994	1.5423	1.71	KS, CM, KV, WU, H1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
244	011111100	6	1.0055	1.5976	1.59	KS, CM, KV, WU, H1, g1	Cannot be rejected that the groups were selected from *identical populations*.
245	011111101	7	0.9023	1.5423	1.71	KS, CM, KV, WU, H1, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
246	011111110	7	0.9328	1.5423	1.65	KS, CM, KV, WU, H1, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
247	011111111	8	0.8694	1.4996	1.72	KS, CM, KV, WU, H1, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
248	100000001	2	0.5242	2.3653	4.51	AD, FCS	Cannot be rejected that the groups were selected from *identical populations*.
249	100000010	2	0.9563	2.3653	2.47	AD, TS	Cannot be rejected that the groups were selected from *identical populations*.
250	100000011	3	0.7639	1.9672	2.58	AD, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
251	100000100	2	1.5151	2.3653	1.56	AD, g1	Cannot be rejected that the groups were selected from *identical populations*.
252	100000101	3	0.8532	1.9672	2.31	AD, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
253	100000110	3	0.9883	1.9672	1.99	AD, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
254	100000111	4	0.8159	1.7831	2.19	AD, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
255	100001000	2	0.7064	2.3653	3.35	AD, H1	Cannot be rejected that the groups were selected from *identical populations*.
256	100001001	3	0.8209	1.9672	2.40	AD, H1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
257	100001010	3	0.8104	1.9672	2.43	AD, H1, TS	Cannot be rejected that the groups were selected from *identical populations*.
258	100001011	4	0.8146	1.7831	2.19	AD, H1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
259	100001100	3	1.4355	1.9672	1.37	AD, H1, g1	Cannot be rejected that the groups were selected from *identical populations*.
260	100001101	4	1.0611	1.7831	1.68	AD, H1, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
261	100001110	4	1.0551	1.7831	1.69	AD, H1, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
262	100001111	5	0.9313	1.6727	1.80	AD, H1, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
263	100010000	2	1.3830	2.3653	1.71	AD, WU	Cannot be rejected that the groups were selected from *identical populations*.

264	100010001	3	0.9702	1.9672	2.03	AD, WU, FCS	Cannot be rejected that the groups were selected from *identical populations*.
265	100010010	3	0.9757	1.9672	2.02	AD, WU, TS	Cannot be rejected that the groups were selected from *identical populations*.
266	100010011	4	0.8831	1.7831	2.02	AD, WU, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
267	100010100	3	1.0025	1.9672	1.96	AD, WU, g1	Cannot be rejected that the groups were selected from *identical populations*.
268	100010101	4	0.8443	1.7831	2.11	AD, WU, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
269	100010110	4	0.8496	1.7831	2.10	AD, WU, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
270	100010111	5	0.8038	1.6727	2.08	AD, WU, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
271	100011000	3	1.1570	1.9672	1.70	AD, WU, H1	Cannot be rejected that the groups were selected from *identical populations*.
272	100011001	4	1.0248	1.7831	1.74	AD, WU, H1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
273	100011010	4	0.9523	1.7831	1.87	AD, WU, H1, TS	Cannot be rejected that the groups were selected from *identical populations*.
274	100011011	5	0.9191	1.6727	1.82	AD, WU, H1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
275	100011100	4	1.1113	1.7831	1.60	AD, WU, H1, g1	Cannot be rejected that the groups were selected from *identical populations*.
276	100011101	5	0.9863	1.6727	1.70	AD, WU, H1, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
277	100011110	5	0.9438	1.6727	1.77	AD, WU, H1, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
278	100011111	6	0.9000	1.5976	1.78	AD, WU, H1, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
279	100100000	2	1.1947	2.3653	1.98	AD, KV	Cannot be rejected that the groups were selected from *identical populations*.
280	100100001	3	0.8072	1.9672	2.44	AD, KV, FCS	Cannot be rejected that the groups were selected from *identical populations*.
281	100100010	3	0.9139	1.9672	2.15	AD, KV, TS	Cannot be rejected that the groups were selected from *identical populations*.
282	100100011	4	0.7993	1.7831	2.23	AD, KV, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
283	100100100	3	0.9357	1.9672	2.10	AD, KV, g1	Cannot be rejected that the groups were selected from *identical populations*.
284	100100101	4	0.7686	1.7831	2.32	AD, KV, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
285	100100110	4	0.8160	1.7831	2.19	AD, KV, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
286	100100111	5	0.7567	1.6727	2.21	AD, KV, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
287	100101000	3	1.0358	1.9672	1.90	AD, KV, H1	Cannot be rejected that the groups were selected from *identical populations*.
288	100101001	4	0.9016	1.7831	1.98	AD, KV, H1, FCS	Cannot be rejected that the groups were selected from *identical populations*.

289	100101010	4	0.8930	1.7831	2.00	AD, KV, H1, TS	Cannot be rejected that the groups were selected from *identical populations*.
290	100101011	5	0.8456	1.6727	1.98	AD, KV, H1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
291	100101100	4	1.0497	1.7831	1.70	AD, KV, H1, g1	Cannot be rejected that the groups were selected from *identical populations*.
292	100101101	5	0.9195	1.6727	1.82	AD, KV, H1, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
293	100101110	5	0.9070	1.6727	1.84	AD, KV, H1, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
294	100101111	6	0.8548	1.5976	1.87	AD, KV, H1, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
295	100110000	3	0.9008	1.9672	2.18	AD, KV, WU	Cannot be rejected that the groups were selected from *identical populations*.
296	100110001	4	0.8380	1.7831	2.13	AD, KV, WU, FCS	Cannot be rejected that the groups were selected from *identical populations*.
297	100110010	4	0.8037	1.7831	2.22	AD, KV, WU, TS	Cannot be rejected that the groups were selected from *identical populations*.
298	100110011	5	0.7980	1.6727	2.10	AD, KV, WU, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
299	100110100	4	0.7781	1.7831	2.29	AD, KV, WU, g1	Cannot be rejected that the groups were selected from *identical populations*.
300	100110101	5	0.7481	1.6727	2.24	AD, KV, WU, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
301	100110110	5	0.7327	1.6727	2.28	AD, KV, WU, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
302	100110111	6	0.7348	1.5976	2.17	AD, KV, WU, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
303	100111000	4	0.9271	1.7831	1.92	AD, KV, WU, H1	Cannot be rejected that the groups were selected from *identical populations*.
304	100111001	5	0.9089	1.6727	1.84	AD, KV, WU, H1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
305	100111010	5	0.8440	1.6727	1.98	AD, KV, WU, H1, TS	Cannot be rejected that the groups were selected from *identical populations*.
306	100111011	6	0.8488	1.5976	1.88	AD, KV, WU, H1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
307	100111100	5	0.9048	1.6727	1.85	AD, KV, WU, H1, g1	Cannot be rejected that the groups were selected from *identical populations*.
308	100111101	6	0.8688	1.5976	1.84	AD, KV, WU, H1, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
309	100111110	6	0.8288	1.5976	1.93	AD, KV, WU, H1, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
310	100111111	7	0.8224	1.5423	1.88	AD, KV, WU, H1, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
311	101000000	2	0.2825	2.3653	8.37	AD, CM	Cannot be rejected that the groups were selected from *identical populations*.
312	101000001	3	0.3989	1.9672	4.93	AD, CM, FCS	Cannot be rejected that the groups were selected from *identical populations*.
313	101000010	3	0.7821	1.9672	2.52	AD, CM, TS	Cannot be rejected that the groups were selected from *identical populations*.

314	101000011	4	0.6635	1.7831	2.69	AD, CM, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
315	101000100	3	1.2331	1.9672	1.60	AD, CM, g1	Cannot be rejected that the groups were selected from *identical populations*.
316	101000101	4	0.8267	1.7831	2.16	AD, CM, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
317	101000110	4	1.0106	1.7831	1.76	AD, CM, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
318	101000111	5	0.8242	1.6727	2.03	AD, CM, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
319	101001000	3	0.5803	1.9672	3.39	AD, CM, H1	Cannot be rejected that the groups were selected from *identical populations*.
320	101001001	4	0.6459	1.7831	2.76	AD, CM, H1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
321	101001010	4	0.7706	1.7831	2.31	AD, CM, H1, TS	Cannot be rejected that the groups were selected from *identical populations*.
322	101001011	5	0.7360	1.6727	2.27	AD, CM, H1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
323	101001100	4	1.2576	1.7831	1.42	AD, CM, H1, g1	Cannot be rejected that the groups were selected from *identical populations*.
324	101001101	5	0.9741	1.6727	1.72	AD, CM, H1, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
325	101001110	5	1.0457	1.6727	1.60	AD, CM, H1, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
326	101001111	6	0.9083	1.5976	1.76	AD, CM, H1, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
327	101010000	3	1.1589	1.9672	1.70	AD, CM, WU	Cannot be rejected that the groups were selected from *identical populations*.
328	101010001	4	0.8763	1.7831	2.03	AD, CM, WU, FCS	Cannot be rejected that the groups were selected from *identical populations*.
329	101010010	4	1.0055	1.7831	1.77	AD, CM, WU, TS	Cannot be rejected that the groups were selected from *identical populations*.
330	101010011	5	0.8657	1.6727	1.93	AD, CM, WU, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
331	101010100	4	1.0760	1.7831	1.66	AD, CM, WU, g1	Cannot be rejected that the groups were selected from *identical populations*.
332	101010101	5	0.8827	1.6727	1.89	AD, CM, WU, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
333	101010110	5	0.9562	1.6727	1.75	AD, CM, WU, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
334	101010111	6	0.8534	1.5976	1.87	AD, CM, WU, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
335	101011000	4	1.0917	1.7831	1.63	AD, CM, WU, H1	Cannot be rejected that the groups were selected from *identical populations*.
336	101011001	5	0.9383	1.6727	1.78	AD, CM, WU, H1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
337	101011010	5	0.9782	1.6727	1.71	AD, CM, WU, H1, TS	Cannot be rejected that the groups were selected from *identical populations*.
338	101011011	6	0.8967	1.5976	1.78	AD, CM, WU, H1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.

339	101011100	5	1.1231	1.6727	1.49	AD, CM, WU, H1, g1	Cannot be rejected that the groups were selected from *identical populations*.
340	101011101	6	0.9770	1.5976	1.64	AD, CM, WU, H1, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
341	101011110	6	0.9993	1.5976	1.60	AD, CM, WU, H1, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
342	101011111	7	0.9182	1.5423	1.68	AD, CM, WU, H1, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
343	101100000	3	0.9831	1.9672	2.00	AD, CM, KV	Cannot be rejected that the groups were selected from *identical populations*.
344	101100001	4	0.7261	1.7831	2.46	AD, CM, KV, FCS	Cannot be rejected that the groups were selected from *identical populations*.
345	101100010	4	0.9198	1.7831	1.94	AD, CM, KV, TS	Cannot be rejected that the groups were selected from *identical populations*.
346	101100011	5	0.7766	1.6727	2.15	AD, CM, KV, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
347	101100100	4	0.9880	1.7831	1.80	AD, CM, KV, g1	Cannot be rejected that the groups were selected from *identical populations*.
348	101100101	5	0.8000	1.6727	2.09	AD, CM, KV, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
349	101100110	5	0.9038	1.6727	1.85	AD, CM, KV, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
350	101100111	6	0.7978	1.5976	2.00	AD, CM, KV, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
351	101101000	4	0.9740	1.7831	1.83	AD, CM, KV, H1	Cannot be rejected that the groups were selected from *identical populations*.
352	101101001	5	0.8230	1.6727	2.03	AD, CM, KV, H1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
353	101101010	5	0.9092	1.6727	1.84	AD, CM, KV, H1, TS	Cannot be rejected that the groups were selected from *identical populations*.
354	101101011	6	0.8216	1.5976	1.94	AD, CM, KV, H1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
355	101101100	5	1.0529	1.6727	1.59	AD, CM, KV, H1, g1	Cannot be rejected that the groups were selected from *identical populations*.
356	101101101	6	0.9073	1.5976	1.76	AD, CM, KV, H1, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
357	101101110	6	0.9529	1.5976	1.68	AD, CM, KV, H1, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
358	101101111	7	0.8685	1.5423	1.78	AD, CM, KV, H1, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
359	101110000	4	0.9793	1.7831	1.82	AD, CM, KV, WU	Cannot be rejected that the groups were selected from *identical populations*.
360	101110001	5	0.8434	1.6727	1.98	AD, CM, KV, WU, FCS	Cannot be rejected that the groups were selected from *identical populations*.
361	101110010	5	0.9038	1.6727	1.85	AD, CM, KV, WU, TS	Cannot be rejected that the groups were selected from *identical populations*.
362	101110011	6	0.8293	1.5976	1.93	AD, CM, KV, WU, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
363	101110100	5	0.9107	1.6727	1.84	AD, CM, KV, WU, g1	Cannot be rejected that the groups were selected from *identical populations*.

364	101110101	6	0.8154	1.5976	1.96	AD, CM, KV, WU, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
365	101110110	6	0.8546	1.5976	1.87	AD, CM, KV, WU, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
366	101110111	7	0.8004	1.5423	1.93	AD, CM, KV, WU, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
367	101111000	5	0.9833	1.6727	1.70	AD, CM, KV, WU, H1	Cannot be rejected that the groups were selected from *identical populations*.
368	101111001	6	0.8978	1.5976	1.78	AD, CM, KV, WU, H1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
369	101111010	6	0.9134	1.5976	1.75	AD, CM, KV, WU, H1, TS	Cannot be rejected that the groups were selected from *identical populations*.
370	101111011	7	0.8649	1.5423	1.78	AD, CM, KV, WU, H1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
371	101111100	6	0.9758	1.5976	1.64	AD, CM, KV, WU, H1, g1	Cannot be rejected that the groups were selected from *identical populations*.
372	101111101	7	0.8975	1.5423	1.72	AD, CM, KV, WU, H1, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
373	101111110	7	0.9069	1.5423	1.70	AD, CM, KV, WU, H1, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
374	101111111	8	0.8612	1.4996	1.74	AD, CM, KV, WU, H1, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
375	110000000	2	0.4570	2.3653	5.18	AD, KS	Cannot be rejected that the groups were selected from *identical populations*.
376	110000001	3	0.3930	1.9672	5.01	AD, KS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
377	110000010	3	0.7765	1.9672	2.53	AD, KS, TS	Cannot be rejected that the groups were selected from *identical populations*.
378	110000011	4	0.6554	1.7831	2.72	AD, KS, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
379	110000100	3	1.0110	1.9672	1.95	AD, KS, g1	Cannot be rejected that the groups were selected from *identical populations*.
380	110000101	4	0.7164	1.7831	2.49	AD, KS, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
381	110000110	4	0.9038	1.7831	1.97	AD, KS, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
382	110000111	5	0.7595	1.6727	2.20	AD, KS, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
383	110001000	3	0.8382	1.9672	2.35	AD, KS, H1	Cannot be rejected that the groups were selected from *identical populations*.
384	110001001	4	0.7190	1.7831	2.48	AD, KS, H1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
385	110001010	4	0.8413	1.7831	2.12	AD, KS, H1, TS	Cannot be rejected that the groups were selected from *identical populations*.
386	110001011	5	0.7717	1.6727	2.17	AD, KS, H1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
387	110001100	4	1.1840	1.7831	1.51	AD, KS, H1, g1	Cannot be rejected that the groups were selected from *identical populations*.
388	110001101	5	0.9348	1.6727	1.79	AD, KS, H1, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.

389	110001110	5	1.0059	1.6727	1.66	AD, KS, H1, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
390	110001111	6	0.8832	1.5976	1.81	AD, KS, H1, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
391	110010000	3	1.1898	1.9672	1.65	AD, KS, WU	Cannot be rejected that the groups were selected from *identical populations*.
392	110010001	4	0.8806	1.7831	2.02	AD, KS, WU, FCS	Cannot be rejected that the groups were selected from *identical populations*.
393	110010010	4	1.0220	1.7831	1.74	AD, KS, WU, TS	Cannot be rejected that the groups were selected from *identical populations*.
394	110010011	5	0.8694	1.6727	1.92	AD, KS, WU, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
395	110010100	4	1.0159	1.7831	1.76	AD, KS, WU, g1	Cannot be rejected that the groups were selected from *identical populations*.
396	110010101	5	0.8398	1.6727	1.99	AD, KS, WU, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
397	110010110	5	0.9211	1.6727	1.82	AD, KS, WU, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
398	110010111	6	0.8255	1.5976	1.94	AD, KS, WU, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
399	110011000	4	1.1794	1.7831	1.51	AD, KS, WU, H1	Cannot be rejected that the groups were selected from *identical populations*.
400	110011001	5	0.9812	1.6727	1.70	AD, KS, WU, H1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
401	110011010	5	1.0272	1.6727	1.63	AD, KS, WU, H1, TS	Cannot be rejected that the groups were selected from *identical populations*.
402	110011011	6	0.9242	1.5976	1.73	AD, KS, WU, H1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
403	110011100	5	1.1190	1.6727	1.49	AD, KS, WU, H1, g1	Cannot be rejected that the groups were selected from *identical populations*.
404	110011101	6	0.9696	1.5976	1.65	AD, KS, WU, H1, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
405	110011110	6	0.9962	1.5976	1.60	AD, KS, WU, H1, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
406	110011111	7	0.9129	1.5423	1.69	AD, KS, WU, H1, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
407	110100000	3	0.9465	1.9672	2.08	AD, KS, KV	Cannot be rejected that the groups were selected from *identical populations*.
408	110100001	4	0.7080	1.7831	2.52	AD, KS, KV, FCS	Cannot be rejected that the groups were selected from *identical populations*.
409	110100010	4	0.8991	1.7831	1.98	AD, KS, KV, TS	Cannot be rejected that the groups were selected from *identical populations*.
410	110100011	5	0.7642	1.6727	2.19	AD, KS, KV, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
411	110100100	4	0.8986	1.7831	1.98	AD, KS, KV, g1	Cannot be rejected that the groups were selected from *identical populations*.
412	110100101	5	0.7425	1.6727	2.25	AD, KS, KV, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
413	110100110	5	0.8493	1.6727	1.97	AD, KS, KV, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.

414	110100111	6	0.7591	1.5976	2.10	AD, KS, KV, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
415	110101000	4	1.0185	1.7831	1.75	AD, KS, KV, H1	Cannot be rejected that the groups were selected from *identical populations*.
416	110101001	5	0.8497	1.6727	1.97	AD, KS, KV, H1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
417	110101010	5	0.9314	1.6727	1.80	AD, KS, KV, H1, TS	Cannot be rejected that the groups were selected from *identical populations*.
418	110101011	6	0.8367	1.5976	1.91	AD, KS, KV, H1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
419	110101100	5	1.0275	1.6727	1.63	AD, KS, KV, H1, g1	Cannot be rejected that the groups were selected from *identical populations*.
420	110101101	6	0.8885	1.5976	1.80	AD, KS, KV, H1, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
421	110101110	6	0.9348	1.5976	1.71	AD, KS, KV, H1, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
422	110101111	7	0.8544	1.5423	1.81	AD, KS, KV, H1, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
423	110110000	4	1.0173	1.7831	1.75	AD, KS, KV, WU	Cannot be rejected that the groups were selected from *identical populations*.
424	110110001	5	0.8559	1.6727	1.95	AD, KS, KV, WU, FCS	Cannot be rejected that the groups were selected from *identical populations*.
425	110110010	5	0.9229	1.6727	1.81	AD, KS, KV, WU, TS	Cannot be rejected that the groups were selected from *identical populations*.
426	110110011	6	0.8366	1.5976	1.91	AD, KS, KV, WU, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
427	110110100	5	0.8891	1.6727	1.88	AD, KS, KV, WU, g1	Cannot be rejected that the groups were selected from *identical populations*.
428	110110101	6	0.7947	1.5976	2.01	AD, KS, KV, WU, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
429	110110110	6	0.8391	1.5976	1.90	AD, KS, KV, WU, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
430	110110111	7	0.7853	1.5423	1.96	AD, KS, KV, WU, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
431	110111000	5	1.0501	1.6727	1.59	AD, KS, KV, WU, H1	Cannot be rejected that the groups were selected from *identical populations*.
432	110111001	6	0.9329	1.5976	1.71	AD, KS, KV, WU, H1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
433	110111010	6	0.9521	1.5976	1.68	AD, KS, KV, WU, H1, TS	Cannot be rejected that the groups were selected from *identical populations*.
434	110111011	7	0.8879	1.5423	1.74	AD, KS, KV, WU, H1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
435	110111100	6	0.9850	1.5976	1.62	AD, KS, KV, WU, H1, g1	Cannot be rejected that the groups were selected from *identical populations*.
436	110111101	7	0.8990	1.5423	1.72	AD, KS, KV, WU, H1, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
437	110111110	7	0.9115	1.5423	1.69	AD, KS, KV, WU, H1, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
438	110111111	8	0.8614	1.4996	1.74	AD, KS, KV, WU, H1, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.

439	111000000	3	0.4171	1.9672	4.72	AD, KS, CM	Cannot be rejected that the groups were selected from *identical populations*.
440	111000001	4	0.3802	1.7831	4.69	AD, KS, CM, FCS	Cannot be rejected that the groups were selected from *identical populations*.
441	111000010	4	0.6905	1.7831	2.58	AD, KS, CM, TS	Cannot be rejected that the groups were selected from *identical populations*.
442	111000011	5	0.6043	1.6727	2.77	AD, KS, CM, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
443	111000100	4	0.9474	1.7831	1.88	AD, KS, CM, g1	Cannot be rejected that the groups were selected from *identical populations*.
444	111000101	5	0.7164	1.6727	2.33	AD, KS, CM, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
445	111000110	5	0.8979	1.6727	1.86	AD, KS, CM, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
446	111000111	6	0.7601	1.5976	2.10	AD, KS, CM, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
447	111001000	4	0.6768	1.7831	2.63	AD, KS, CM, H1	Cannot be rejected that the groups were selected from *identical populations*.
448	111001001	5	0.6177	1.6727	2.71	AD, KS, CM, H1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
449	111001010	5	0.7651	1.6727	2.19	AD, KS, CM, H1, TS	Cannot be rejected that the groups were selected from *identical populations*.
450	111001011	6	0.7077	1.5976	2.26	AD, KS, CM, H1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
451	111001100	5	1.0735	1.6727	1.56	AD, KS, CM, H1, g1	Cannot be rejected that the groups were selected from *identical populations*.
452	111001101	6	0.8769	1.5976	1.82	AD, KS, CM, H1, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
453	111001110	6	0.9723	1.5976	1.64	AD, KS, CM, H1, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
454	111001111	7	0.8567	1.5423	1.80	AD, KS, CM, H1, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
455	111010000	4	1.0210	1.7831	1.75	AD, KS, CM, WU	Cannot be rejected that the groups were selected from *identical populations*.
456	111010001	5	0.8105	1.6727	2.06	AD, KS, CM, WU, FCS	Cannot be rejected that the groups were selected from *identical populations*.
457	111010010	5	0.9687	1.6727	1.73	AD, KS, CM, WU, TS	Cannot be rejected that the groups were selected from *identical populations*.
458	111010011	6	0.8340	1.5976	1.92	AD, KS, CM, WU, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
459	111010100	5	1.0092	1.6727	1.66	AD, KS, CM, WU, g1	Cannot be rejected that the groups were selected from *identical populations*.
460	111010101	6	0.8458	1.5976	1.89	AD, KS, CM, WU, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
461	111010110	6	0.9462	1.5976	1.69	AD, KS, CM, WU, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
462	111010111	7	0.8406	1.5423	1.83	AD, KS, CM, WU, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
463	111011000	5	1.0507	1.6727	1.59	AD, KS, CM, WU, H1	Cannot be rejected that the groups were selected from *identical populations*.

464	111011001	6	0.8992	1.5976	1.78	AD, KS, CM, WU, H1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
465	111011010	6	0.9814	1.5976	1.63	AD, KS, CM, WU, H1, TS	Cannot be rejected that the groups were selected from *identical populations*.
466	111011011	7	0.8833	1.5423	1.75	AD, KS, CM, WU, H1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
467	111011100	6	1.0806	1.5976	1.48	AD, KS, CM, WU, H1, g1	Cannot be rejected that the groups were selected from *identical populations*.
468	111011101	7	0.9435	1.5423	1.63	AD, KS, CM, WU, H1, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
469	111011110	7	0.9972	1.5423	1.55	AD, KS, CM, WU, H1, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
470	111011111	8	0.9079	1.4996	1.65	AD, KS, CM, WU, H1, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
471	111100000	4	0.8329	1.7831	2.14	AD, KS, CM, KV	Cannot be rejected that the groups were selected from *identical populations*.
472	111100001	5	0.6626	1.6727	2.52	AD, KS, CM, KV, FCS	Cannot be rejected that the groups were selected from *identical populations*.
473	111100010	5	0.8575	1.6727	1.95	AD, KS, CM, KV, TS	Cannot be rejected that the groups were selected from *identical populations*.
474	111100011	6	0.7361	1.5976	2.17	AD, KS, CM, KV, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
475	111100100	5	0.9020	1.6727	1.85	AD, KS, CM, KV, g1	Cannot be rejected that the groups were selected from *identical populations*.
476	111100101	6	0.7541	1.5976	2.12	AD, KS, CM, KV, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
477	111100110	6	0.8746	1.5976	1.83	AD, KS, CM, KV, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
478	111100111	7	0.7748	1.5423	1.99	AD, KS, CM, KV, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
479	111101000	5	0.9146	1.6727	1.83	AD, KS, CM, KV, H1	Cannot be rejected that the groups were selected from *identical populations*.
480	111101001	6	0.7822	1.5976	2.04	AD, KS, CM, KV, H1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
481	111101010	6	0.8925	1.5976	1.79	AD, KS, CM, KV, H1, TS	Cannot be rejected that the groups were selected from *identical populations*.
482	111101011	7	0.8010	1.5423	1.93	AD, KS, CM, KV, H1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
483	111101100	6	0.9950	1.5976	1.61	AD, KS, CM, KV, H1, g1	Cannot be rejected that the groups were selected from *identical populations*.
484	111101101	7	0.8665	1.5423	1.78	AD, KS, CM, KV, H1, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
485	111101110	7	0.9363	1.5423	1.65	AD, KS, CM, KV, H1, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
486	111101111	8	0.8501	1.4996	1.76	AD, KS, CM, KV, H1, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
487	111110000	5	0.9724	1.6727	1.72	AD, KS, CM, KV, WU	Cannot be rejected that the groups were selected from *identical populations*.
488	111110001	6	0.8305	1.5976	1.92	AD, KS, CM, KV, WU, FCS	Cannot be rejected that the groups were selected from *identical populations*.

489	111110010	6	0.9260	1.5976	1.73	AD, KS, CM, KV, WU, TS	Cannot be rejected that the groups were selected from *identical populations*.
490	111110011	7	0.8322	1.5423	1.85	AD, KS, CM, KV, WU, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
491	111110100	6	0.9244	1.5976	1.73	AD, KS, CM, KV, WU, g1	Cannot be rejected that the groups were selected from *identical populations*.
492	111110101	7	0.8193	1.5423	1.88	AD, KS, CM, KV, WU, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
493	111110110	7	0.8853	1.5423	1.74	AD, KS, CM, KV, WU, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
494	111110111	8	0.8141	1.4996	1.84	AD, KS, CM, KV, WU, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
495	111111000	6	1.0046	1.5976	1.59	AD, KS, CM, KV, WU, H1	Cannot be rejected that the groups were selected from *identical populations*.
496	111111001	7	0.8957	1.5423	1.72	AD, KS, CM, KV, WU, H1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
497	111111010	7	0.9477	1.5423	1.63	AD, KS, CM, KV, WU, H1, TS	Cannot be rejected that the groups were selected from *identical populations*.
498	111111011	8	0.8750	1.4996	1.71	AD, KS, CM, KV, WU, H1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.
499	111111100	7	0.9906	1.5423	1.56	AD, KS, CM, KV, WU, H1, g1	Cannot be rejected that the groups were selected from *identical populations*.
500	111111101	8	0.8991	1.4996	1.67	AD, KS, CM, KV, WU, H1, g1, FCS	Cannot be rejected that the groups were selected from *identical populations*.
501	111111110	8	0.9354	1.4996	1.60	AD, KS, CM, KV, WU, H1, g1, TS	Cannot be rejected that the groups were selected from *identical populations*.
502	111111111	9	0.8731	1.4653	1.68	AD, KS, CM, KV, WU, H1, g1, TS, FCS	Cannot be rejected that the groups were selected from *identical populations*.

Algorithm:

- Let $(X_{i,j}; i=1..k)$ be k groups (samples) of independent observations; let $(n_i; i=1..k)$ be the sizes of the samples;
- Let $n=S(n_i; i=1..k)$ be the total number of observations;
- Let dn be the number of distinct values from $(X_{i,j})$; note that dn is less (tied observations) or equal (no tied observations) to n;
- Let $(z_j; j=1..dn)$ be the distinct values from $(X_{i,j})$; let $(h_j; j=1..dn)$ be numbers of ties corresponding to $(z_j; j=1..dn)$ from $(X_{i,j})$;
- Let $H_j = S(h_m; m=1..(j-1)) + h_j/2$; let $F_{i,j}$ be the number of values from i-th group similarly with H;
- kAD statistic is:
  - $kAD = S(S(V_{i,j}; j=1..dn)/n_i; i=1..k)*(n-1)/n^2/(k-1)$,
  - $V_{i,j} = h_j*(n*F_{i,j}-n_iH_j)^2/(H_j*(n-H_j)-n*h_j/4)$;
- cAD critical value (5% significance level) is
  - $cAD = 1 + s_n*(1.645 + 0.678*(k-1)^{-0.5} - 0.362*(k-1)^{-1})$,
  - $s_n^2 = 2*(a*n^3 + b*n^2 + c*n + d)*(n-1)^{-1}*(n-2)^{-1}(n-3)^{-1}(k-1)^{-2}$,
  - $a = (2*g-3)*(k-1) + (5-3*g)*w$,
  - $b = (g-2)*k^2 + 4*t*k + (g-7*t-2)*w - 4*t + 2*g - 3$,
  - $c = (3*t+g-1)*k^2 + (2*t-2*g+3)*k + (t-3)*w + 2*t$,
  - $d = (t+3)*k^2 - 2*t*k$,
  - $w = S(n_i^{-1}; i=1..k)$,
  - $t = S(i^{-1}; i=1..(n-1))$,
  - $g = S(S((n-i)^{-1}j^{-1}; j=(i+1)..(n-1)); i=1..(n-2))$;
- If cAD < kAD Then (with a 5% risk being in error) "The groups were drawn from different populations";
- Else the hypothesis that whe groups were selected from identical populations is not rejected and the data can be considered unstructured with respect of the random fixed effect in question.