

Appendix 5 Critical values for Snedecor's F – test (two-tailed. $\alpha = 0.05$)

		Numerator DF								
		1	2	3	4	5	6	7	8	9
Denominator DF	1	647.79	799.50	864.16	899.58	921.85	937.11	948.22	956.66	963.28
	2	38.506	39.000	39.165	39.248	39.298	39.331	39.355	39.373	39.387
	3	17.443	16.044	15.439	15.101	14.885	14.735	14.624	14.540	14.473
	4	12.218	10.649	9.979	9.605	9.365	9.197	9.074	8.980	8.905
	5	10.007	8.434	7.764	7.388	7.146	6.978	6.853	6.757	6.681
	6	8.813	7.260	6.599	6.227	5.988	5.820	5.696	5.600	5.523
	7	8.073	6.542	5.890	5.523	5.285	5.119	4.995	4.899	4.823
	8	7.571	6.060	5.416	5.053	4.817	4.652	4.529	4.433	4.357
	9	7.209	5.715	5.078	4.718	4.484	4.320	4.197	4.102	4.026
	10	6.937	5.456	4.826	4.468	4.236	4.072	3.950	3.855	3.779
	11	6.724	5.256	4.630	4.275	4.044	3.881	3.759	3.664	3.588
	12	6.554	5.096	4.474	4.121	3.891	3.728	3.607	3.512	3.436
	13	6.414	4.965	4.347	3.996	3.767	3.604	3.483	3.388	3.312
	14	6.298	4.857	4.242	3.892	3.663	3.501	3.380	3.285	3.209
	15	6.200	4.765	4.153	3.804	3.576	3.415	3.293	3.199	3.123
	16	6.115	4.687	4.077	3.729	3.502	3.341	3.219	3.125	3.049
	17	6.042	4.619	4.011	3.665	3.438	3.277	3.156	3.061	2.985
	18	5.978	4.560	3.954	3.608	3.382	3.221	3.100	3.005	2.929
	19	5.922	4.508	3.903	3.559	3.333	3.172	3.051	2.956	2.880
	20	5.872	4.461	3.859	3.515	3.289	3.128	3.007	2.913	2.837
	21	5.827	4.420	3.819	3.475	3.250	3.090	2.969	2.874	2.798
	22	5.786	4.383	3.783	3.440	3.215	3.055	2.934	2.839	2.763
	23	5.750	4.349	3.751	3.408	3.184	3.023	2.902	2.808	2.731
	24	5.717	4.319	3.721	3.379	3.155	2.995	2.874	2.779	2.703
	25	5.686	4.291	3.694	3.353	3.129	2.969	2.848	2.753	2.677
	26	5.659	4.266	3.670	3.329	3.105	2.945	2.824	2.729	2.653
	27	5.633	4.242	3.647	3.307	3.083	2.923	2.802	2.707	2.631
	28	5.610	4.221	3.626	3.286	3.063	2.903	2.782	2.687	2.611
	29	5.588	4.201	3.607	3.267	3.044	2.884	2.763	2.669	2.592
	30	5.568	4.182	3.589	3.250	3.027	2.867	2.746	2.651	2.575
40	5.424	4.051	3.463	3.126	2.904	2.744	2.624	2.529	2.452	
60	5.286	3.925	3.343	3.008	2.786	2.627	2.507	2.412	2.334	
120	5.152	3.805	3.227	2.894	2.674	2.515	2.395	2.299	2.222	
∞	5.024	3.689	3.116	2.786	2.567	2.408	2.288	2.192	2.114	