ν_2 \ ν_1	1	2	3	4	5	6	7	8	9	10	11
6	8.81142	7.25938	6.59885	6.22725	5.98687	5.81951	5.69445	5.59923	5.52251	5.46021	5.40994
7	8.07366	6.54212	5.88902	5.52162	5.28376	5.11813	4.99463	4.89871	4.82198	4.76041	4.708883
8	7.57128	6.05925	5.41505	5.05131	4.81610	4.65110	4.52821	4.432369	4.356449	4.295023	4.243183
9	7.20992	5.71427	5.07640	4.71738	4.484348	4.319529	4.196653	4.101013	4.025657	3.963645	3.912029
10	6.93558	5.45553	4.82497	4.467887	4.235924	4.071951	3.948791	3.854560	3.778616	3.716393	3.664639
11	6.72335	5.25623	4.629654	4.274725	4.043848	3.880433	3.758656	3.663179	3.587847	3.525622	3.47401
12	6.55315	5.09598	4.473539	4.121136	3.890511	3.728647	3.606314	3.511979	3.435975	3.374277	3.321671
13	6.41432	4.96420	4.346912	3.995779	3.766960	3.604235	3.483320	3.388428	3.312825	3.249755	3.19862
14	6.29602	4.856010	4.241447	3.891893	3.662981	3.501254	3.380304	3.28573	3.208997	3.147950	3.09519
15	6.19742	4.76443	4.152103	3.803774	3.576964	3.414814	3.293260	3.198288	3.12380	3.06047	3.00783
16	6.11396	4.686536	4.077108	3.730022	3.502040	3.34098	3.219214	3.124822	3.049496	2.986048	2.933139
17	6.04172	4.61838	4.011333	3.66633	3.43784	3.277479	3.15638	3.061183	2.985392	2.92207	2.870155
18	5.97770	4.55940	3.954433	3.608860	3.382413	3.22121	3.10001	3.005336	2.92874	2.866526	2.81337
19	5.92218	4.507597	3.903738	3.55893	3.333065	3.172132	3.051160	2.95586	2.88099	2.81688	2.764787
20	5.87155	4.461097	3.858562	3.51415	3.288935	3.129179	3.00688	2.91326	2.836424	2.773427	2.72097
21	5.82682	4.42018	3.818243	3.475040	3.250520	3.088823	2.969149	2.873430	2.797702	2.735143	2.68231
22	5.78564	4.382229	3.78276	3.440368	3.215404	3.055426	2.933613	2.838977	2.76394	2.699941	2.64740
23	5.74882	4.34940	3.750422	3.408002	3.184127	3.023295	2.90260	2.808279	2.731440	2.668768	2.615343
24	5.71682	4.318211	3.721007	3.37931	3.15527	2.99468	2.874034	2.77972	2.70291	2.639592	2.58710
25	5.68513	4.290602	3.694414	3.35359	3.128313	2.96857	2.84802	2.753310	2.676873	2.614026	2.560688
26	5.65846	4.26536	3.66942	3.328240	3.10517	2.94528	2.824230	2.729998	2.653330	2.590308	2.536109
27	5.63184	4.241029	3.64725	3.30604	3.082751	2.923151	2.80228	2.707588	2.631211	2.567433	2.514476
28	5.60903	4.22006	3.62673	3.28616	3.062800	2.902687	2.782470	2.687446	2.611039	2.547138	2.493584
29	5.58761	4.20079	3.60680	3.26772	3.04401	2.884506	2.763793	2.668866	2.591626	2.528448	2.475029
30	5.56757	4.18142	3.58933	3.25024	3.027066	2.86686	2.746364	2.650912	2.574401	2.51141	2.458038
35	5.48394	4.10593	3.51746	3.178547	2.955708	2.79653	2.67515	2.580841	2.503698	2.440531	2.386510
40	5.42486	4.050854	3.463338	3.12656	2.904611	2.743993	2.62349	2.528916	2.451288	2.387813	2.334520
45	5.37826	4.00710	3.42293	3.08640	2.863608	2.70518	2.583700	2.48993	2.412095	2.34860	2.294519
50	5.34120	3.974311	3.39063	3.054530	2.832898	2.674128	2.552234	2.458240	2.380916	2.31619	2.262473
55	5.31104	3.94775	3.36381	3.029141	2.80691	2.64783	2.527105	2.432820	2.35640	2.291053	2.236638
60	5.28594	3.92451	3.34356	3.00807	2.78592	2.627374	2.507511	2.412571	2.334511	2.270136	2.216296

Table 1. Critical values of F for two-tailed test, 95% Confidence Level (one-tailed test, 97.5%).
Tabla 1. Valores críticos de F para la prueba de dos colas 95% Nivel de Confianza (prueba de una cola, 97.5%).

Continues/Continúa

ν_2 \ ν_1	1	2	3	4	5	6	7	8	9	10	11
65	5.26422	3.90565	3.32495	2.99108	2.76820	2.610005	2.488752	2.393842	2.316848	2.252708	2.198458
70	5.24740	3.89014	3.30871	2.974764	2.75429	2.594799	2.474314	2.379436	2.301534	2.237597	2.183085
75	5.23250	3.87807	3.29613	2.96067	2.74104	2.583232	2.460739	2.365904	2.288679	2.224467	2.169970
80	5.21777	3.86312	3.28294	2.950384	2.72968	2.570953	2.451294	2.354899	2.277822	2.213098	2.158701
85	5.205759	3.85563	3.273260	2.940334	2.719860	2.560433	2.440552	2.345190	2.267406	2.202915	2.148162
90	5.19670	3.84503	3.26399	2.93191	2.711094	2.551869	2.431744	2.335852	2.258853	2.193919	2.139619
95	5.18491	3.83580	3.25699	2.92448	2.70216	2.544318	2.423664	2.328739	2.251136	2.186241	2.131584
100	5.17944	3.82841	3.250041	2.91638	2.695658	2.53694	2.417147	2.321165	2.243828	2.179635	2.124441
110	5.16373	3.81500	3.237103	2.90413	2.684126	2.52500	2.404469	2.309369	2.231958	2.167511	2.112588
120	5.15238	3.80476	3.22645	2.89342	2.67468	2.515001	2.394863	2.299173	2.221252	2.157363	2.102437
130	5.14314	3.79603	3.21805	2.88572	2.665524	2.50676	2.386551	2.291190	2.213534	2.148860	2.093479
140	5.13407	3.78657	3.21109	2.87810	2.65819	2.499459	2.378236	2.283824	2.206127	2.141723	2.086360
150	5.12661	3.78273	3.20492	2.871497	2.65285	2.493581	2.373312	2.277812	2.200098	2.134886	2.079605
160	5.11949	3.77446	3.19888	2.866908	2.647199	2.488797	2.367479	2.271651	2.194353	2.129566	2.074522
180	5.10928	3.76584	3.18956	2.85878	2.637528	2.479736	2.358583	2.263580	2.185051	2.119932	2.064719
200	5.10078	3.75679	3.18264	2.85001	2.630620	2.47076	2.351572	2.256132	2.177442	2.113278	2.058351
250	5.085266	3.74421	3.16883	2.837351	2.61764	2.458861	2.337959	2.242464	2.164753	2.099552	2.044908
300	5.07576	3.734538	3.16052	2.82850	2.60894	2.450788	2.329731	2.234563	2.156562	2.091191	2.036031
350	5.06625	3.72719	3.15294	2.82256	2.603021	2.44440	2.32482	2.228480	2.150545	2.085380	2.029590
400	5.06065	3.72345	3.148688	2.81779	2.598114	2.440007	2.319100	2.223080	2.145667	2.080265	2.025179
500	5.05432	3.71564	3.14232	2.81123	2.591945	2.433594	2.312766	2.217289	2.139370	2.074058	2.018502
600	5.04858	3.71191	3.13788	2.80738	2.588266	2.428975	2.308653	2.212950	2.135612	2.069730	2.013921
700	5.04684	3.707238	3.13492	2.804240	2.58439	2.42650	2.305853	2.209941	2.132052	2.066565	2.011128
800	5.04205	3.70630	3.13289	2.80186	2.582859	2.424109	2.303530	2.207393	2.129643	2.064466	2.008916
900	5.04035	3.70448	3.13059	2.80054	2.58047	2.421631	2.301490	2.205394	2.127872	2.062654	2.007359
1000	5.03932	3.70256	3.12864	2.798731	2.578939	2.420928	2.300536	2.204341	2.126653	2.060820	2.005569
1200	5.03648	3.699851	3.12744	2.79587	2.57750	2.418440	2.298276	2.201970	2.124300	2.058775	2.003363
1400	5.03551	3.69938	3.12526	2.79478	2.575588	2.417574	2.296490	2.200804	2.123163	2.057586	2.002421
1600	5.03305	3.69785	3.12468	2.79360	2.575436	2.415819	2.295642	2.200173	2.121814	2.056370	2.000532
1800	5.03203	3.69588	3.12253	2.79182	2.57376	2.415518	2.294003	2.198663	2.120929	2.055648	1.999696
2000	5.03061	3.696341	3.12357	2.79266	2.572376	2.414383	2.293698	2.197475	2.119864	2.054637	1.999741

Table 1 (Cont.). Critical values of F for two-tailed test, 95% Confidence Level (one-tailed test, 97.5%).
Tabla 1 (Cont.). Valores críticos de F para la prueba de dos colas 95% Nivel de Confianza (prueba de una cola, 97.5%).

ν_2 \ ν_1	1	2	3	4	5	6	7	8	9	10	11
6	5.98620	5.14275	4.757332	4.533946	4.386854	4.283722	4.206323	4.146856	4.098371	4.059668	4.027255
7	5.59132	4.73711	4.346364	4.119917	3.970684	3.865592	3.786953	3.725359	3.675814	3.635942	3.603051
8	5.31772	4.459054	4.065822	3.837070	3.687370	3.580547	3.500172	3.437633	3.387743	3.347103	3.312732
9	5.11771	4.256121	3.862463	3.632943	3.481692	3.373483	3.292468	3.228912	3.178813	3.137300	3.102431
10	4.96457	4.101932	3.708406	3.478021	3.325706	3.216865	3.135227	3.071643	3.020178	2.978257	2.942916
11	4.84378	3.982152	3.587774	3.356551	3.203855	3.094474	3.012431	2.947906	2.896393	2.853635	2.817988
12	4.747028	3.885293	3.489718	3.258874	3.105541	2.996374	2.913340	2.848983	2.796330	2.753556	2.717307
13	4.667101	3.804605	3.410063	3.178989	3.025487	2.915322	2.832271	2.766976	2.714373	2.670966	2.635307
14	4.599355	3.738261	3.343602	3.112181	2.958212	2.847957	2.764072	2.698854	2.645529	2.602739	2.565513
15	4.542199	3.681903	3.287125	3.055778	2.901262	2.790394	2.706539	2.640650	2.588351	2.543725	2.506776
16	4.493164	3.633698	3.238865	3.007067	2.852292	2.741596	2.657431	2.591536	2.537682	2.493836	2.456187
17	4.451345	3.591555	3.197124	2.965257	2.810019	2.699226	2.614629	2.547847	2.494360	2.449649	2.412911
18	4.413716	3.554441	3.159786	2.928042	2.772822	2.661763	2.576561	2.510065	2.455745	2.411829	2.373888
19	4.380612	3.522328	3.127386	2.894933	2.740011	2.628510	2.543801	2.476719	2.422872	2.377493	2.340132
20	4.351234	3.492837	3.098027	2.865812	2.710660	2.599375	2.513613	2.447104	2.392646	2.348012	2.310653
21	4.324812	3.467444	3.072051	2.839803	2.684973	2.572202	2.488059	2.420034	2.366256	2.321355	2.283411
22	4.300651	3.442760	3.048723	2.816896	2.661388	2.549328	2.463570	2.396616	2.342015	2.296844	2.258885
23	4.279572	3.422201	3.027794	2.795605	2.639764	2.527544	2.442493	2.374878	2.320310	2.275346	2.236708
24	4.260009	3.402532	3.008901	2.776510	2.621309	2.508228	2.422675	2.355507	2.300455	2.254726	2.216762
25	4.241853	3.385186	2.991229	2.758934	2.602590	2.490069	2.405297	2.337242	2.282447	2.236754	2.198351
26	4.225338	3.368890	2.97494	2.742560	2.58666	2.474351	2.388698	2.320817	2.265847	2.219904	2.181094
27	4.209570	3.353914	2.960336	2.727618	2.571988	2.459059	2.373594	2.305815	2.250335	2.204310	2.165526
28	4.195213	3.340558	2.947074	2.71398	2.557929	2.445411	2.359646	2.291725	2.236287	2.189923	2.151240
29	4.183109	3.327755	2.933773	2.70137	2.545534	2.432902	2.346828	2.278488	2.222913	2.177102	2.137858
30	4.170731	3.315234	2.922000	2.690015	2.533853	2.420646	2.334476	2.266403	2.211017	2.164527	2.125679
35	4.120516	3.267272	2.874430	2.641763	2.484849	2.371640	2.285532	2.217056	2.161141	2.114483	2.075196
40	4.085446	3.231745	2.838954	2.606026	2.449928	2.335851	2.24900	2.180083	2.123821	2.076921	2.037798
45	4.057044	3.20333	2.811581	2.578489	2.421819	2.308517	2.221144	2.152439	2.095684	2.048965	2.009104
50	4.034718	3.182197	2.789743	2.557174	2.400422	2.286958	2.199238	2.130083	2.073669	2.026239	1.985973
55	4.016367	3.165412	2.77212	2.539671	2.382743	2.268332	2.180998	2.112332	2.055836	2.007706	1.967242
60	4.001456	3.14929	2.75868	2.52552	2.368001	2.254017	2.166995	2.097596	2.040300	1.992706	1.952397

Table 2. Critical values of F for one-tailed 95% Confidence Level (two-tailed test, 90%).
Tabla 2. Valores críticos de F para la prueba de una cola 95% Nivel de Confianza (prueba de dos colas, 90%).

Continues/Continúa

ν_2 \ ν_1	1	2	3	4	5	6	7	8	9	10	11
65	3.988576	3.13796	2.745780	2.513477	2.35612	2.241666	2.153976	2.084691	2.027381	1.979887	1.939580
70	3.977945	3.127593	2.73502	2.502365	2.345739	2.230966	2.143801	2.073603	2.016223	1.968687	1.928699
75	3.968765	3.119419	2.726168	2.49338	2.33631	2.222860	2.134545	2.064244	2.007112	1.959509	1.918728
80	3.960010	3.10966	2.718055	2.486043	2.328715	2.214331	2.126454	2.056437	1.999014	1.951239	1.910808
85	3.952583	3.104555	2.711655	2.478922	2.321925	2.207089	2.119367	2.049426	1.992032	1.943875	1.902899
90	3.947176	3.097396	2.705522	2.473535	2.315946	2.201069	2.113139	2.042833	1.985557	1.937515	1.896597
95	3.940468	3.09205	2.700326	2.467762	2.309909	2.195585	2.107397	2.037677	1.979940	1.931740	1.890842
100	3.936918	3.087341	2.69593	2.462494	2.305526	2.190601	2.102754	2.032182	1.974784	1.926600	1.885805
110	3.927257	3.078174	2.686887	2.453897	2.297041	2.181959	2.093867	2.023574	1.966254	1.918178	1.876694
120	3.919933	3.07214	2.679938	2.447251	2.290106	2.174905	2.086618	2.016356	1.958736	1.910821	1.869391
130	3.914419	3.065962	2.674353	2.441185	2.284292	2.169137	2.081221	2.010571	1.952526	1.904372	1.862903
140	3.909016	3.05992	2.670004	2.436476	2.278578	2.163770	2.075347	2.005265	1.947159	1.899065	1.857892
150	3.904886	3.05732	2.66532	2.431615	2.274787	2.159775	2.071097	2.000637	1.943301	1.894509	1.852690
160	3.900315	3.05230	2.661254	2.427928	2.271262	2.155984	2.067402	1.996335	1.938613	1.890242	1.848890
180	3.893708	3.04658	2.655027	2.422638	2.264477	2.149388	2.061089	1.990670	1.932147	1.883235	1.841756
200	3.888695	3.040558	2.650541	2.41657	2.259470	2.143369	2.055653	1.985317	1.926569	1.878345	1.837216
250	3.878971	3.032736	2.641053	2.407938	2.249884	2.134661	2.046248	1.975253	1.917349	1.868366	1.827274
300	3.872934	3.025821	2.634768	2.401900	2.243962	2.128784	2.039989	1.969629	1.911250	1.862366	1.820633
350	3.867528	3.021038	2.630041	2.39760	2.239614	2.124782	2.036539	1.965122	1.906750	1.857957	1.816182
400	3.864339	3.01879	2.626901	2.394280	2.236661	2.121266	2.032486	1.961173	1.903341	1.854336	1.812484
500	3.859888	3.013882	2.62284	2.390163	2.232007	2.116379	2.028002	1.956762	1.898716	1.849582	1.808070
600	3.856950	3.01062	2.619880	2.386944	2.229114	2.113719	2.024800	1.953746	1.896076	1.846350	1.804719
700	3.855503	3.007964	2.617878	2.384616	2.226769	2.111618	2.022805	1.951744	1.893479	1.844120	1.802324
800	3.852879	3.00640	2.61673	2.383521	2.225523	2.109914	2.021314	1.949997	1.891721	1.842609	1.800597
900	3.85107	3.00590	2.61492	2.38171	2.223839	2.108159	2.019608	1.948495	1.890564	1.841204	1.799488
1000	3.851478	3.00519	2.613568	2.380930	2.222933	2.107677	2.019213	1.947570	1.889320	1.839915	1.798230
1200	3.84884	3.003418	2.61211	2.379122	2.221979	2.105704	2.017368	1.945978	1.887661	1.838478	1.796792
1400	3.848380	3.002915	2.611177	2.378434	2.220801	2.105285	2.016191	1.944721	1.886807	1.837080	1.795942
1600	3.847290	3.001579	2.61104	2.377403	2.220154	2.103544	2.015136	1.944495	1.885910	1.836590	1.794322
1800	3.846457	3.000435	2.60996	2.376295	2.219569	2.103955	2.014568	1.943177	1.885373	1.835976	1.793868
2000	3.845636	3.000676	2.609818	2.376662	2.218295	2.103116	2.014077	1.942521	1.884562	1.835305	1.793850

Table 2 (Cont.). Critical values of F for one-tailed 95% Confidence Level (two-tailed test, 90%).
Tabla 2 (Cont.). Valores críticos de F para la prueba de una cola 95% Nivel de Confianza (prueba de dos colas, 90%).

ν_2 \ ν_1	1	2	3	4	5	6	7	8	9	10	11
6	18.6371	14.55048	12.91730	12.02553	11.46449	11.07029	10.78023	10.56429	10.38885	10.24891	10.13382
7	16.23192	12.40674	10.88222	10.04684	9.52049	9.15267	8.88388	8.67568	8.51165	8.38068	8.26685
8	14.69051	11.04172	9.58969	8.80402	8.29942	7.94793	7.69057	7.49433	7.33873	7.20883	7.10444
9	13.61476	10.10323	8.71350	7.95349	7.46975	7.13284	6.88214	6.69007	6.54172	6.41603	6.31252
10	12.82402	9.42308	8.07814	7.34137	6.87259	6.54300	6.30067	6.11578	5.96632	5.84594	5.74504
11	12.22494	8.90861	7.60073	6.88034	6.42013	6.10001	5.86477	5.68045	5.53791	5.41775	5.31951
12	11.75123	8.51036	7.22626	6.52015	6.06924	5.75721	5.52250	5.34437	5.20258	5.08776	4.98799
13	11.37420	8.18418	6.92437	6.23233	5.79077	5.48029	5.25349	5.07664	4.93893	4.82168	4.72729
14	11.05461	7.92021	6.68072	5.99843	5.56170	5.25824	5.03208	4.86036	4.71708	4.60528	4.51077
15	10.79705	7.70230	6.47585	5.80075	5.37396	5.07123	4.84845	4.67415	4.53899	4.42534	4.33172
16	10.57708	7.51308	6.30316	5.63956	5.21043	4.91392	4.69217	4.52255	4.38549	4.27525	4.17861
17	10.38431	7.35337	6.15631	5.49994	5.07445	4.78012	4.56130	4.39134	4.25508	4.14305	4.05049
18	10.21871	7.21402	6.02940	5.37549	4.95644	4.66409	4.44736	4.27705	4.14129	4.030013	3.93880
19	10.07487	7.09506	5.91738	5.26799	4.85439	4.56228	4.34426	4.17838	4.04509	3.93312	3.84161
20	9.94283	6.98602	5.81737	5.17408	4.76121	4.47251	4.25885	4.09124	3.95697	3.84831	3.75563
21	9.82862	6.89283	5.72921	5.09168	4.68203	4.39319	4.18074	4.01343	3.88076	3.77047	3.67913
22	9.72524	6.80545	5.65249	5.01880	4.60812	4.32487	4.10847	3.94545	3.81283	3.70163	3.61289
23	9.63192	6.72946	5.58270	4.94861	4.54681	4.25838	4.04740	3.882454	3.74811	3.64274	3.55199
24	9.55154	6.66002	5.51898	4.89138	4.485817	4.20010	3.99063	3.82636	3.69589	3.58709	3.49709
25	9.47411	6.59781	5.46158	4.83479	4.43154	4.14830	3.93896	3.77679	3.64495	3.53820	3.44721
26	9.40519	6.54188	5.41088	4.78410	4.38466	4.10179	3.89445	3.72980	3.60104	3.49111	3.40209
27	9.34032	6.48949	5.36057	4.74000	4.34057	4.06083	3.84921	3.68814	3.55645	3.45070	3.35867
28	9.28062	6.44068	5.31670	4.69792	4.30192	4.01980	3.81190	3.64832	3.51950	3.41012	3.32157
29	9.22893	6.39773	5.27689	4.65928	4.26181	3.98338	3.77511	3.61264	3.48322	3.37591	3.28669
30	9.17793	6.35366	5.23879	4.62295	4.22736	3.94898	3.74083	3.57958	3.44959	3.34325	3.25438
35	8.97557	6.18670	5.08754	4.47969	4.08799	3.81307	3.60680	3.44757	3.31772	3.21149	3.12463
40	8.82945	6.06618	4.97563	4.37480	3.98751	3.71067	3.50780	3.349043	3.22121	3.11657	3.02898
45	8.71749	5.96990	4.89279	4.29132	3.90764	3.63754	3.43473	3.27711	3.14940	3.04532	2.95703
50	8.62663	5.90067	4.82591	4.23217	3.84938	3.57926	3.37678	3.21792	3.09178	2.98764	2.90005
55	8.55421	5.84284	4.77301	4.18215	3.79919	3.53057	3.32807	3.17312	3.04702	2.94052	2.85532
60	8.49242	5.79600	4.72984	4.14001	3.75957	3.49049	3.29083	3.13505	3.00858	2.90398	2.81730

Table 3. Critical values of F for two-tailed test, 99% Confidence Level (one-tailed test, 99.5%).
Tabla 3. Valores críticos de F para la prueba de dos colas 99% Nivel de Confianza (prueba de una cola, 99.5%).

Continues/Continúa

ν_2 \ ν_1	1	2 3		4	5	6	7	8	9	10	11
65	8.44570	5.75478	4.69390	4.10711	3.72619	3.46001	3.25903	3.10247	2.97668	2.87269	2.78549
70	8.40360	5.71852	4.66093	4.07559	3.69724	3.43221	3.23085	3.07590	2.94878	2.84548	2.75872
75	8.36645	5.69402	4.63458	4.049386	3.67327	3.40707	3.20743	3.05329	2.92630	2.82350	2.73575
80	8.33251	5.66274	4.61012	4.02750	3.65202	3.38645	3.18999	3.03279	2.906226	2.80264	2.71618
85	8.30601	5.64654	4.58996	4.00913	3.63358	3.36821	3.17024	3.01408	2.89000	2.78510	2.697890
90	8.28417	5.62375	4.57146	3.98990	3.61654	3.35043	3.15319	2.99831	2.87366	2.76927	2.68266
95	8.25752	5.60290	4.55828	3.97824	3.60083	3.33693	3.13959	2.98607	2.85945	2.75600	2.66831
100	8.24231	5.58875	4.54317	3.96304	3.58942	3.32473	3.12708	2.97257	2.84693	2.743082	2.65717
110	8.20421	5.56360	4.51731	3.93887	3.56599	3.30222	3.10494	2.95068	2.82544	2.72326	2.636048
120	8.18062	5.54046	4.49562	3.92144	3.54753	3.28328	3.08645	2.93376	2.80636	2.70481	2.61939
130	8.15804	5.52115	4.47784	3.90455	3.53324	3.26936	3.07281	2.91904	2.79379	2.68983	2.60359
140	8.13376	5.50295	4.46597	3.88923	3.51836	3.25670	3.05803	2.90593	2.78100	2.67756	2.59134
150	8.11763	5.49237	4.45434	3.87578	3.50926	3.24457	3.04858	2.89388	2.77145	2.66718	2.58008
160	8.10354	5.47470	4.44198	3.86873	3.49853	3.23464	3.03962	2.88480	2.76006	2.65724	2.570897
180	8.07881	5.45740	4.42199	3.85275	3.48124	3.22039	3.02226	2.86877	2.74464	2.64156	2.55458
200	8.05828	5.43981	4.41054	3.83604	3.46778	3.20562	3.01017	2.85676	2.73127	2.62871	2.543550
250	8.02233	5.41154	4.38171	3.81062	3.44252	3.18238	2.98761	2.83270	2.70897	2.60620	2.520954
300	8.00004	5.39239	4.36605	3.79224	3.42790	3.16739	2.972198	2.81851	2.69483	2.59178	2.504365
350	7.98033	5.37845	4.35401	3.78402	3.41539	3.15595	2.96195	2.808143	2.68415	2.58250	2.494371
400	7.96663	5.36958	4.34403	3.77456	3.40802	3.14810	2.95204	2.79950	2.67579	2.57333	2.486672
500	7.95174	5.35377	4.33155	3.76398	3.39649	3.13768	2.94203	2.78822	2.665178	2.56312	2.47641
600	7.93770	5.34662	4.32087	3.75462	3.38968	3.12887	2.93393	2.78124	2.65965	2.55544	2.46811
700	7.93043	5.33836	4.31616	3.74975	3.38163	3.12201	2.92822	2.776437	2.65329	2.54945	2.462816
800	7.92285	5.33301	4.31159	3.74445	3.38038	3.11916	2.92337	2.77122	2.648566	2.546859	2.45995
900	7.91703	5.33089	4.30632	3.74149	3.37619	3.11495	2.92120	2.76803	2.64601	2.542775	2.45658
1000	7.91523	5.32690	4.30478	3.73774	3.37355	3.11252	2.91885	2.76598	2.643002	2.53994	2.454041
1200	7.90813	5.32291	4.30206	3.73339	3.36939	3.11062	2.91586	2.76243	2.63898	2.536699	2.450875
1400	7.90395	5.31996	4.29805	3.73131	3.36788	3.10738	2.91235	2.76035	2.636941	2.53401	2.447954
1600	7.90093	5.315156	4.29565	3.72986	3.36558	3.10507	2.91020	2.75845	2.63490	2.53237	2.446480
1800	7.89982	5.31344	4.29182	3.72789	3.36184	3.10397	2.90914	2.75686	2.633429	2.53133	2.44407
2000	7.89501	5.31254	4.29425	3.72632	3.36232	3.10018	2.90779	2.75474	2.63264	2.52948	2.44283

Table 3 (Cont.). Critical values of F for two-tailed test, 99% Confidence Level (one-tailed test, 99.5%).
Tabla 3 (Cont.). Valores críticos de F para la prueba de dos colas 99% Nivel de Confianza (prueba de una cola, 99.5%).

ν_2 \ ν_1	1	2 3		4	5	6	7	8	9	10	11
6	13.74470	10.92606	9.78127	9.14814	8.74457	8.46421	8.25788	8.10025	7.97325	7.87232	7.78985
7	12.24452	9.54787	8.45057	7.84444	7.46031	7.19085	6.99142	6.83812	6.71764	6.62036	6.53642
8	11.26019	8.64942	7.58913	7.00475	6.63027	6.36845	6.176144	6.02760	5.90920	5.81384	5.73442
9	10.56355	8.02093	6.98816	6.41970	6.05620	5.80167	5.61100	5.46514	5.35164	5.25685	5.17723
10	10.04205	7.55737	6.55091	5.99452	5.63667	5.38553	5.19902	5.05596	4.94156	4.84881	4.77064
11	9.64389	7.20488	6.21621	5.66786	5.31534	5.06821	4.88572	4.74360	4.63165	4.53941	4.46273
12	9.32928	6.92571	5.95236	5.41127	5.06377	4.82048	4.63869	4.49886	4.38818	4.29750	4.21980
13	9.07510	6.69870	5.73882	5.20527	4.86122	4.61985	4.44127	4.30271	4.19355	4.10081	4.02713
14	8.85769	6.51426	5.56401	5.03510	4.69445	4.45667	4.27865	4.14189	4.02943	3.94130	3.86428
15	8.68199	6.35910	5.41646	4.89193	4.55681	4.31836	4.14254	4.00397	3.89586	3.80608	3.73118
16	8.52958	6.22606	5.29171	4.77442	4.43724	4.20178	4.02586	3.89037	3.78173	3.69315	3.61620
17	8.39876	6.11209	5.18569	4.67111	4.33547	4.10186	3.92839	3.79288	3.68308	3.59339	3.51942
18	8.28540	6.01249	5.09276	4.57940	4.24827	4.01664	3.84213	3.70547	3.59695	3.50812	3.43393
19	8.18449	5.92742	5.01074	4.50069	4.17204	3.93882	3.76545	3.63143	3.52329	3.43336	3.36046
20	8.09491	5.84880	4.93906	4.43099	4.10262	3.87243	3.69853	3.56400	3.45702	3.36897	3.29327
21	8.01561	5.78089	4.87329	4.36852	4.04263	3.81083	3.64075	3.50526	3.39787	3.30996	3.23524
22	7.94562	5.71842	4.81653	4.31501	3.98748	3.76034	3.58709	3.45307	3.34635	3.25724	3.18471
23	7.87915	5.66334	4.76534	4.26333	3.94108	3.70988	3.53908	3.40630	3.29870	3.21123	3.13706
24	7.82285	5.61348	4.71812	4.21998	3.89560	3.66510	3.49607	3.36282	3.25671	3.16754	3.09525
25	7.76723	5.56759	4.67551	4.17835	3.85436	3.62649	3.45739	3.32486	3.21788	3.13060	3.05623
26	7.72122	5.52602	4.63818	4.13957	3.81911	3.59129	3.42133	3.28915	3.18338	3.09516	3.02079
27	7.67543	5.48838	4.60102	4.10520	3.78498	3.55860	3.38822	3.25603	3.149643	3.06151	2.98796
28	7.63402	5.45338	4.56861	4.07266	3.75511	3.52733	3.35944	3.22586	3.11981	3.03129	2.95819
29	7.59730	5.42108	4.53843	4.04509	3.72504	3.49987	3.32998	3.19858	3.09166	3.00393	2.93120
30	7.56198	5.38943	4.50948	4.01825	3.69890	3.47284	3.30430	3.17306	3.06664	2.97880	2.90607
35	7.41855	5.26793	4.39630	3.90855	3.59133	3.36870	3.19939	3.06877	2.96300	2.87533	2.80309
40	7.31604	5.17858	4.31283	3.82852	3.51500	3.28956	3.12293	2.99269	2.88771	2.79929	2.72774
45	7.23532	5.10642	4.24909	3.76561	3.45206	3.23287	3.06557	2.93634	2.83002	2.74389	2.67011
50	7.17179	5.05566	4.20001	3.72007	3.40845	3.187100	3.02039	2.89038	2.78500	2.69745	2.625210
55	7.12100	5.01320	4.15989	3.68107	3.36968	3.14846	2.98275	2.85377	2.74975	2.661279	2.58856
60	7.07614	4.97811	4.12716	3.65018	3.33838	3.118493	2.95365	2.82364	2.71903	2.63197	2.55950

Table 4. Critical values of F for one-tailed 99% Confidence Level (two-tailed test, 98%).
Tabla 4. Valores críticos de F para la prueba de una cola 99% Nivel de Confianza (prueba de dos colas, 98%).

Continues/Continúa

ν_2 \ ν_1	1	2 3		4	5	6	7	8	9	10	11
65	7.04090	4.94756	4.09900	3.62352	3.31257	3.09261	2.927588	2.79743	2.69336	2.60669	2.533986
70	7.01160	4.92155	4.07374	3.59951	3.29163	3.07165	2.906019	2.77713	2.67187	2.585834	2.512385
75	6.98509	4.90104	4.05567	3.57825	3.27197	3.05312	2.88697	2.75766	2.65312	2.56691	2.493980
80	6.96105	4.87849	4.03487	3.56204	3.25552	3.03605	2.873093	2.742693	2.63705	2.550900	2.477651
85	6.94205	4.86667	4.02023	3.54900	3.241086	3.02165	2.85765	2.72825	2.62342	2.536744	2.463037
90	6.92588	4.85015	4.00631	3.53446	3.22769	3.00746	2.844047	2.71581	2.610924	2.52425	2.451179
95	6.90626	4.83565	3.99422	3.52347	3.21430	2.99721	2.83318	2.704961	2.600069	2.51326	2.439878
100	6.89625	4.82358	3.98429	3.51366	3.20590	2.98766	2.824052	2.69418	2.58977	2.50320	2.43041
110	6.86963	4.80423	3.96413	3.49487	3.18777	2.96976	2.80577	2.676606	2.57247	2.48629	2.413279
120	6.85229	4.78641	3.94880	3.47866	3.17288	2.955026	2.79107	2.66256	2.557060	2.472505	2.39943
130	6.83482	4.77309	3.93468	3.46659	3.161037	2.94418	2.78062	2.651539	2.54678	2.46055	2.38669
140	6.81897	4.75917	3.92535	3.45629	3.14988	2.93346	2.76841	2.641342	2.53695	2.45014	2.37689
150	6.80696	4.75096	3.91595	3.44546	3.14275	2.92431	2.760117	2.63197	2.52829	2.441455	2.368003
160	6.79617	4.73812	3.90693	3.43932	3.13409	2.91674	2.752949	2.623888	2.51985	2.43355	2.36036
180	6.77878	4.72587	3.89110	3.42712	3.12069	2.904383	2.73989	2.611533	2.507441	2.42028	2.347428
200	6.76328	4.71227	3.88262	3.41421	3.11014	2.89218	2.73000	2.601315	2.49647	2.410908	2.338026
250	6.73687	4.69064	3.86153	3.39488	3.08995	2.87502	2.711348	2.582947	2.47850	2.391790	2.319836
300	6.72108	4.67632	3.84805	3.38027	3.07851	2.86285	2.69998	2.57078	2.46743	2.38054	2.307232
350	6.70694	4.66532	3.83834	3.37312	3.06998	2.85431	2.69166	2.562772	2.45877	2.37219	2.298253
400	6.69897	4.65986	3.83143	3.36536	3.06378	2.84760	2.68354	2.55525	2.45123	2.365230	2.291819
500	6.68669	4.64747	3.82155	3.35633	3.05378	2.83856	2.674756	2.546592	2.442791	2.35688	2.283691
600	6.67505	4.64131	3.81429	3.35001	3.04919	2.831736	2.66915	2.540901	2.438364	2.350652	2.276973
700	6.67230	4.63453	3.80984	3.34624	3.04266	2.82724	2.664975	2.53715	2.433055	2.346103	2.273164
800	6.66650	4.63214	3.80697	3.34325	3.04134	2.82396	2.661381	2.533104	2.430120	2.343645	2.270246
900	6.66333	4.62928	3.80397	3.34016	3.03802	2.82052	2.65897	2.53063	2.42758	2.340684	2.26806
1000	6.66109	4.62614	3.80064	3.33696	3.03564	2.819424	2.65719	2.528468	2.425068	2.338629	2.265552
1200	6.65526	4.62280	3.79870	3.33381	3.03287	2.81743	2.65482	2.525745	2.422282	2.335377	2.262823
1400	6.65295	4.62111	3.79634	3.33212	3.03093	2.81486	2.65215	2.52349	2.420227	2.333673	2.260943
1600	6.65097	4.61911	3.79358	3.33036	3.02983	2.81273	2.650746	2.52303	2.41887	2.331922	2.258271
1800	6.64866	4.61549	3.79174	3.32829	3.02712	2.81208	2.64841	2.521403	2.417128	2.330687	2.25717
2000	6.64621	4.61649	3.79312	3.32881	3.02700	2.80984	2.64814	2.519174	2.416053	2.329745	2.256630

Table 4 (Cont.). Critical values of F for one-tailed 99% Confidence Level (two-tailed test, 98%).
Tabla 4 (Cont.). Valores críticos de F para la prueba de una cola 95% Nivel de Confianza (prueba de dos colas, 90%).

ν_2 \ ν_1	1	2	3	4	5	6	7	8	9	10	11
6	0.00121	0.00092	0.00076	0.00086	0.00067	0.00070	0.00067	0.00065	0.00070	0.00057	0.00065
7	0.00104	0.00085	0.00073	0.00064	0.00054	0.00057	0.00059	0.00058	0.00055	0.00051	0.000449
8	0.00090	0.00073	0.00064	0.00053	0.00048	0.00047	0.00046	0.000450	0.000435	0.000420	0.000404
9	0.00090	0.00063	0.00050	0.00050	0.000445	0.000405	0.000432	0.000350	0.000392	0.000396	0.000393
10	0.00097	0.00054	0.00048	0.000415	0.000428	0.000343	0.000350	0.000371	0.000368	0.000293	0.000285
11	0.00082	0.00058	0.000445	0.000431	0.000317	0.000330	0.000352	0.000315	0.000396	0.000273	0.00046
12	0.00071	0.00057	0.000416	0.000388	0.000310	0.000321	0.000328	0.000352	0.000301	0.000423	0.000339
13	0.00074	0.00050	0.000414	0.000330	0.000411	0.000447	0.000443	0.000374	0.000405	0.000345	0.00057
14	0.00076	0.000428	0.000369	0.000419	0.000367	0.000403	0.000328	0.00048	0.000328	0.000451	0.00047
15	0.00070	0.00048	0.000389	0.000348	0.000389	0.000331	0.000413	0.000352	0.00066	0.00053	0.00056
16	0.00070	0.000376	0.000318	0.000440	0.000336	0.00057	0.000317	0.000390	0.000424	0.000435	0.000365
17	0.00064	0.00046	0.000400	0.00049	0.00068	0.000340	0.00051	0.000368	0.000330	0.00049	0.000320
18	0.00071	0.00047	0.000338	0.000374	0.000411	0.00053	0.00075	0.000403	0.00066	0.000434	0.00056
19	0.00068	0.000449	0.000369	0.00055	0.000368	0.000406	0.000372	0.00049	0.00050	0.00052	0.000343
20	0.00065	0.000405	0.000429	0.00052	0.000330	0.000369	0.00046	0.00046	0.000441	0.000367	0.00048
21	0.00065	0.00048	0.000396	0.000417	0.000342	0.000452	0.000298	0.000345	0.000379	0.000377	0.00046
22	0.00065	0.000383	0.00052	0.000391	0.000403	0.000365	0.000419	0.000430	0.00048	0.000406	0.00048
23	0.00063	0.00051	0.000333	0.000373	0.000445	0.000431	0.00048	0.000412	0.000443	0.000424	0.000337
24	0.00059	0.000382	0.000413	0.00046	0.00061	0.00050	0.000282	0.00059	0.00062	0.000418	0.00046
25	0.00062	0.000393	0.000422	0.00054	0.000397	0.00059	0.00054	0.000421	0.000428	0.000347	0.000312
26	0.00059	0.00047	0.00123	0.000428	0.00067	0.00049	0.000378	0.000434	0.000415	0.000223	0.000398
27	0.00057	0.000438	0.00071	0.00051	0.000377	0.000391	0.00054	0.000368	0.000243	0.000453	0.000422
28	0.00065	0.00051	0.00050	0.00084	0.000430	0.000412	0.000303	0.000443	0.000414	0.000455	0.000326
29	0.00062	0.00056	0.00047	0.00081	0.00046	0.000446	0.000424	0.000390	0.000442	0.000269	0.000454
30	0.00058	0.00056	0.00065	0.00050	0.000428	0.00046	0.000203	0.000406	0.000412	0.00052	0.000443
35	0.00052	0.00046	0.00047	0.000454	0.000432	0.00048	0.00054	0.000370	0.000364	0.000423	0.000449
40	0.00060	0.000445	0.000354	0.00056	0.000417	0.000350	0.00069	0.000411	0.000422	0.000357	0.000284
45	0.00053	0.00079	0.00058	0.00056	0.000391	0.00054	0.000420	0.00050	0.000276	0.00059	0.000337
50	0.00054	0.000453	0.00056	0.000385	0.000370	0.000424	0.000372	0.000367	0.000212	0.00055	0.000323
55	0.00049	0.00047	0.00060	0.000387	0.00051	0.00047	0.000363	0.000452	0.00054	0.000257	0.000453
60	0.00051	0.00085	0.00071	0.00054	0.00049	0.000237	0.000411	0.000256	0.000362	0.000327	0.000398

Table 5. Standard error of critical values of F for two-tailed test, 95% Confidence Level (one-tailed test, 97.5%).
Tabla 5. Error estándar de valores críticos de F para la prueba de dos colas 95% Nivel de Confianza (prueba de una cola, 97.5%).

Continues/Continúa

ν_2 \ ν_1	1	2	3	4	5	6	7	8	9	10	11
65	0.00052	0.00067	0.00049	0.00056	0.00066	0.000254	0.000295	0.000336	0.000382	0.000360	0.000291
70	0.00054	0.00065	0.00066	0.000389	0.00049	0.000379	0.000172	0.000404	0.000333	0.000348	0.000280
75	0.00052	0.00063	0.00046	0.00071	0.00074	0.000434	0.000315	0.000372	0.000297	0.000225	0.000176
80	0.00057	0.00057	0.00048	0.000446	0.00064	0.000437	0.000340	0.000414	0.000201	0.000314	0.000270
85	0.000452	0.00072	0.000451	0.000288	0.000433	0.000301	0.000292	0.000275	0.000281	0.000252	0.000302
90	0.00055	0.00073	0.00064	0.00066	0.000410	0.000348	0.000415	0.000282	0.000368	0.000388	0.000274
95	0.00051	0.00092	0.00048	0.00061	0.00055	0.000416	0.000166	0.000280	0.000358	0.000381	0.000261
100	0.00058	0.00053	0.000378	0.00046	0.000447	0.00049	0.000202	0.000358	0.000302	0.000317	0.000253
110	0.00061	0.00051	0.000448	0.00047	0.000440	0.00057	0.000378	0.000247	0.000337	0.000255	0.000174
120	0.00048	0.00064	0.00047	0.00065	0.00066	0.000327	0.000132	0.000390	0.000249	0.000250	0.000310
130	0.00051	0.00054	0.00067	0.00060	0.000379	0.00048	0.000448	0.000337	0.000423	0.000233	0.000338
140	0.00061	0.00061	0.00054	0.00062	0.00049	0.000272	0.000323	0.000326	0.000352	0.000265	0.000260
150	0.00053	0.00071	0.00055	0.000414	0.00054	0.000229	0.000253	0.000402	0.000219	0.000257	0.000346
160	0.00061	0.00050	0.00046	0.000301	0.000297	0.000269	0.000236	0.000154	0.000250	0.000451	0.000375
180	0.00054	0.00061	0.00059	0.00056	0.000396	0.000375	0.000306	0.000370	0.000277	0.000293	0.000238
200	0.00047	0.00065	0.00055	0.00068	0.000259	0.00048	0.000321	0.000285	0.000367	0.000239	0.000316
250	0.000448	0.00054	0.00046	0.000392	0.00058	0.000294	0.000332	0.000240	0.000248	0.000239	0.000199
300	0.00047	0.000448	0.00056	0.00057	0.00064	0.000382	0.000352	0.000337	0.000148	0.000308	0.000316
350	0.00051	0.00066	0.00057	0.00072	0.000255	0.00046	0.00058	0.000389	0.000405	0.000299	0.000272
400	0.00068	0.00061	0.000422	0.00054	0.000271	0.000295	0.000258	0.000355	0.000235	0.000132	0.000286
500	0.00069	0.00072	0.00055	0.00066	0.000407	0.000275	0.000194	0.000296	0.000163	0.000265	0.000181
600	0.00064	0.00066	0.00058	0.00060	0.000411	0.000359	0.000387	0.000232	0.000259	0.000307	0.000341
700	0.00064	0.000450	0.00062	0.000369	0.00055	0.00051	0.000323	0.000312	0.000257	0.000324	0.000266
800	0.00055	0.00072	0.00084	0.00054	0.000418	0.000404	0.000308	0.000350	0.000285	0.000242	0.000249
900	0.00101	0.00084	0.00067	0.00054	0.00061	0.000334	0.000316	0.000318	0.000332	0.000146	0.000310
1000	0.00056	0.00067	0.00046	0.000399	0.000437	0.000265	0.000412	0.000229	0.000315	0.000283	0.000228
1200	0.00076	0.000441	0.00073	0.00048	0.00048	0.000354	0.000264	0.000190	0.000327	0.000249	0.000207
1400	0.00055	0.00064	0.00068	0.00048	0.000431	0.000313	0.000407	0.000369	0.000210	0.000230	0.000272
1600	0.00051	0.00055	0.00084	0.00058	0.000376	0.000307	0.000226	0.000447	0.000238	0.000308	0.000281
1800	0.00051	0.00071	0.00070	0.00056	0.00052	0.000378	0.000306	0.000181	0.000279	0.000305	0.000238
2000	0.00049	0.000416	0.00060	0.00059	0.000376	0.000370	0.000311	0.000243	0.000265	0.000204	0.000220

Table 5 (Cont.). Standard error of critical values of F for two-tailed test, 95% Confidence Level (one-tailed test, 97.5%).
Tabla 5 (Cont.). Error estándar de valores críticos de F para la prueba de dos colas 95% Nivel de Confianza (prueba de una cola, 97.5%).

ν_2 \ ν_1	1	2	3	4	5	6	7	8	9	10	11
6	0.00072	0.00047	0.000374	0.000444	0.000371	0.000343	0.000421	0.000374	0.000409	0.000379	0.000371
7	0.00059	0.00047	0.000421	0.000372	0.000291	0.000310	0.000330	0.000319	0.000337	0.000298	0.000316
8	0.00058	0.000418	0.000335	0.000275	0.000313	0.000292	0.000292	0.000276	0.000208	0.000274	0.000265
9	0.00050	0.000405	0.000302	0.000278	0.000257	0.000244	0.000225	0.000221	0.000239	0.000241	0.000240
10	0.00055	0.000307	0.000296	0.000239	0.000241	0.000212	0.000202	0.000187	0.000226	0.000207	0.000186
11	0.00046	0.000344	0.000285	0.000256	0.000233	0.000195	0.000191	0.000187	0.000243	0.000176	0.000303
12	0.000438	0.000361	0.000245	0.000207	0.000212	0.000229	0.000184	0.000216	0.000199	0.000309	0.000206
13	0.000406	0.000298	0.000240	0.000199	0.000238	0.000233	0.000280	0.000210	0.000267	0.000273	0.000371
14	0.000436	0.000293	0.000240	0.000260	0.000271	0.000257	0.000217	0.000296	0.000207	0.000302	0.000320
15	0.000428	0.000254	0.000242	0.000205	0.000248	0.000195	0.000250	0.000200	0.000450	0.000298	0.000329
16	0.000417	0.000256	0.000234	0.000284	0.000212	0.000344	0.000207	0.000243	0.000288	0.000329	0.000299
17	0.000354	0.000293	0.000263	0.000339	0.000417	0.000286	0.000267	0.000287	0.000227	0.000333	0.000209
18	0.000422	0.000271	0.000222	0.000210	0.000276	0.000372	0.000371	0.000251	0.000384	0.000337	0.000361
19	0.000438	0.000297	0.000228	0.000293	0.000303	0.000249	0.000258	0.000316	0.000275	0.000348	0.000226
20	0.000404	0.000265	0.000301	0.000345	0.000220	0.000220	0.000266	0.000322	0.000311	0.000212	0.000394
21	0.000429	0.000325	0.000314	0.000250	0.000276	0.000259	0.000195	0.000271	0.000213	0.000236	0.000267
22	0.000431	0.000252	0.000308	0.000355	0.000294	0.000247	0.000301	0.000324	0.000319	0.000282	0.000338
23	0.000400	0.000303	0.000216	0.000236	0.000321	0.000320	0.000327	0.000305	0.000369	0.000324	0.000312
24	0.000393	0.000247	0.000238	0.000338	0.000377	0.000393	0.000315	0.000369	0.000344	0.000328	0.000288
25	0.000369	0.000246	0.000262	0.000364	0.000341	0.000396	0.000369	0.000237	0.000284	0.000195	0.000214
26	0.000381	0.000255	0.00077	0.000400	0.00057	0.000376	0.000203	0.000308	0.000235	0.000214	0.000242
27	0.000354	0.000316	0.000389	0.000361	0.000327	0.000236	0.000342	0.000211	0.000232	0.000269	0.000237
28	0.000418	0.000355	0.000409	0.00070	0.000231	0.000309	0.000199	0.000232	0.000345	0.000285	0.000192
29	0.000425	0.000329	0.000403	0.00048	0.000307	0.000329	0.000238	0.000365	0.000306	0.000221	0.000335
30	0.000361	0.000342	0.000377	0.000269	0.000225	0.000195	0.000358	0.000311	0.000298	0.000319	0.000206
35	0.000348	0.000334	0.000385	0.000305	0.000307	0.000299	0.000381	0.000256	0.000330	0.000231	0.000296
40	0.000367	0.000346	0.000253	0.000420	0.000316	0.000363	0.00049	0.000315	0.000356	0.000211	0.000233
45	0.000354	0.00046	0.000403	0.000322	0.000238	0.000257	0.000240	0.000406	0.000188	0.000371	0.000135
50	0.000346	0.000334	0.000346	0.000263	0.000245	0.000254	0.000217	0.000198	0.000209	0.000339	0.000205
55	0.000332	0.000378	0.00050	0.000313	0.000346	0.000279	0.000348	0.000296	0.000318	0.000281	0.000254
60	0.000347	0.00051	0.00048	0.00052	0.000398	0.000241	0.000264	0.000214	0.000259	0.000252	0.000207

Table 6. Standard error of critical values of F for one-tailed test, 95% Confidence Level (90%, two-tailed).
Tabla 6. Error estándar de valores críticos de F para la prueba de una cola, 95% Nivel de Confianza (prueba de dos colas, 90%).

Continues/Continúa

ν_2 \ ν_1	1	2	3	4	5	6	7	8	9	10	11
65	0.000354	0.00046	0.000398	0.000446	0.00055	0.000373	0.000318	0.000240	0.000256	0.000172	0.000194
70	0.000357	0.000434	0.00053	0.000309	0.000313	0.000266	0.000168	0.000165	0.000249	0.000259	0.000240
75	0.000362	0.000395	0.000325	0.00048	0.00046	0.000212	0.000247	0.000212	0.000197	0.000267	0.000109
80	0.000366	0.00057	0.000337	0.000319	0.000315	0.000315	0.000270	0.000186	0.000184	0.000251	0.000256
85	0.000364	0.000453	0.000337	0.000256	0.000387	0.000324	0.000212	0.000182	0.000167	0.000194	0.000232
90	0.000346	0.000451	0.000414	0.000321	0.000212	0.000359	0.000264	0.000193	0.000222	0.000208	0.000141
95	0.000358	0.00068	0.000377	0.000451	0.000376	0.000340	0.000170	0.000172	0.000248	0.000121	0.000185
100	0.000345	0.000326	0.00056	0.000341	0.000312	0.000303	0.000228	0.000323	0.000213	0.000233	0.000176
110	0.000427	0.000424	0.000307	0.000189	0.000294	0.000312	0.000244	0.000211	0.000280	0.000143	0.000125
120	0.000334	0.00051	0.000376	0.000378	0.000410	0.000208	0.000253	0.000239	0.000182	0.000175	0.000239
130	0.000376	0.000374	0.000383	0.000445	0.000356	0.000261	0.000319	0.000240	0.000328	0.000228	0.000201
140	0.000388	0.00053	0.000297	0.000331	0.000378	0.000222	0.000341	0.000267	0.000277	0.000247	0.000209
150	0.000326	0.00053	0.00046	0.000270	0.000315	0.000227	0.000187	0.000266	0.000146	0.000133	0.000202
160	0.000451	0.00052	0.000351	0.000272	0.000289	0.000331	0.000180	0.000258	0.000214	0.000280	0.000189
180	0.000339	0.00046	0.000365	0.000342	0.000335	0.000209	0.000208	0.000214	0.000221	0.000194	0.000159
200	0.000340	0.000428	0.000435	0.00046	0.000244	0.000334	0.000299	0.000126	0.000271	0.000212	0.000241
250	0.000344	0.000450	0.000397	0.000247	0.000345	0.000280	0.000301	0.000163	0.000212	0.000154	0.000171
300	0.000303	0.000353	0.000395	0.000416	0.000329	0.000278	0.000232	0.000300	0.000119	0.000194	0.000274
350	0.000362	0.000395	0.000442	0.00050	0.000195	0.000176	0.000391	0.000332	0.000235	0.000209	0.000241
400	0.000450	0.00051	0.000437	0.000359	0.000189	0.000214	0.000197	0.000207	0.000155	0.000204	0.000196
500	0.000385	0.000440	0.00048	0.000446	0.000284	0.000212	0.000240	0.000156	0.000168	0.000237	0.000151
600	0.000407	0.00046	0.000443	0.000410	0.000390	0.000330	0.000251	0.000208	0.000132	0.000246	0.000189
700	0.000425	0.000361	0.000191	0.000395	0.000310	0.000361	0.000240	0.000292	0.000089	0.000217	0.000190
800	0.000381	0.00048	0.00047	0.000454	0.000347	0.000281	0.000222	0.000270	0.000208	0.000144	0.000176
900	0.00054	0.00055	0.00059	0.00052	0.000380	0.000216	0.000290	0.000237	0.000186	0.000191	0.000205
1000	0.000358	0.00055	0.000356	0.000382	0.000422	0.000237	0.000261	0.000159	0.000248	0.000211	0.000141
1200	0.00052	0.000371	0.00059	0.000265	0.000357	0.000223	0.000227	0.000207	0.000236	0.000197	0.000178
1400	0.000314	0.000441	0.000429	0.000274	0.000313	0.000291	0.000246	0.000230	0.000134	0.000163	0.000175
1600	0.000348	0.000420	0.00048	0.000312	0.000256	0.000268	0.000125	0.000170	0.000145	0.000138	0.000246
1800	0.000329	0.000444	0.00057	0.000375	0.000383	0.000269	0.000226	0.000181	0.000216	0.000228	0.000170
2000	0.000335	0.000321	0.000406	0.000389	0.000292	0.000326	0.000169	0.000272	0.000185	0.000231	0.000117

Table 6 (Cont.). Standard error of critical values of F for one-tailed test, 95% Confidence Level (90%, two-tailed).
Tabla 6 (Cont.). Error estándar de valores críticos de F para la prueba de una cola, 95% Nivel de Confianza (prueba de dos colas, 90%).

ν_2 \ ν_1	1	2 3		4	5	6	7	8	9	10	11
6	0.0047	0.00369	0.00341	0.00292	0.00247	0.00258	0.00256	0.00270	0.00254	0.00222	0.00224
7	0.00403	0.00298	0.00231	0.00240	0.00205	0.00197	0.00197	0.00193	0.00194	0.00170	0.00177
8	0.00355	0.00265	0.00197	0.00187	0.00174	0.00158	0.00157	0.00139	0.00147	0.00154	0.00126
9	0.00335	0.00207	0.00176	0.00145	0.00133	0.00122	0.00129	0.00128	0.00125	0.00101	0.00106
10	0.00293	0.00184	0.00170	0.00125	0.00110	0.00113	0.00110	0.00102	0.00108	0.00102	0.00098
11	0.00248	0.00196	0.00123	0.00128	0.00111	0.00093	0.00097	0.00096	0.00133	0.00083	0.00120
12	0.00226	0.00169	0.00138	0.00109	0.00094	0.00104	0.00094	0.00115	0.00085	0.00108	0.00111
13	0.00205	0.00159	0.00117	0.00092	0.00105	0.00132	0.00103	0.00089	0.00138	0.00104	0.00174
14	0.00230	0.00135	0.00106	0.00099	0.00122	0.00109	0.00087	0.00106	0.00099	0.00127	0.00138
15	0.00198	0.00137	0.00090	0.00094	0.00114	0.00096	0.00096	0.00095	0.00182	0.00102	0.00170
16	0.00201	0.00117	0.00095	0.00106	0.00094	0.00132	0.00103	0.00091	0.00098	0.00135	0.00115
17	0.00179	0.00120	0.00115	0.00180	0.00197	0.00146	0.00133	0.00113	0.00111	0.00116	0.00085
18	0.00183	0.00126	0.00104	0.00103	0.00097	0.00137	0.00167	0.00098	0.00174	0.000997	0.00141
19	0.00160	0.00125	0.00100	0.00159	0.00096	0.00124	0.00132	0.00144	0.00086	0.00184	0.00074
20	0.00172	0.00103	0.00128	0.00116	0.00101	0.00134	0.00134	0.00120	0.00130	0.00086	0.00149
21	0.00170	0.00126	0.00109	0.00126	0.00108	0.00155	0.00106	0.00161	0.00118	0.00105	0.00091
22	0.00175	0.00097	0.00110	0.00096	0.00091	0.00124	0.00106	0.00088	0.00100	0.00109	0.00133
23	0.00165	0.00119	0.00088	0.00089	0.00128	0.00122	0.00095	0.000998	0.00128	0.00129	0.00062
24	0.00164	0.00112	0.00087	0.00117	0.000995	0.00149	0.00072	0.00133	0.00126	0.00089	0.00109
25	0.00163	0.00107	0.00113	0.00113	0.00106	0.00117	0.00120	0.00103	0.00112	0.00116	0.00080
26	0.00177	0.00109	0.00275	0.00098	0.00090	0.00126	0.00101	0.00091	0.00114	0.00065	0.00091
27	0.00154	0.00118	0.00120	0.00093	0.00117	0.00109	0.00101	0.00111	0.00060	0.00084	0.00091
28	0.00162	0.00126	0.00122	0.00148	0.00119	0.00128	0.00079	0.00135	0.00083	0.00117	0.00096
29	0.00151	0.00126	0.00118	0.00194	0.00171	0.00103	0.00107	0.00078	0.00118	0.00123	0.00080
30	0.00142	0.00123	0.00097	0.00180	0.00127	0.00149	0.00081	0.00112	0.00110	0.00080	0.00138
35	0.00141	0.00092	0.00108	0.00111	0.00118	0.00098	0.00178	0.00120	0.00107	0.00093	0.00120
40	0.00139	0.00105	0.00090	0.00152	0.00087	0.00115	0.00096	0.000998	0.00078	0.00062	0.00104
45	0.00133	0.00164	0.00141	0.00113	0.00114	0.00124	0.00095	0.00093	0.00120	0.00105	0.00075
50	0.00135	0.00122	0.00165	0.00116	0.00119	0.00076	0.00117	0.00079	0.00077	0.00095	0.00058
55	0.00130	0.00133	0.00175	0.00093	0.00105	0.00112	0.00105	0.00105	0.00078	0.00088	0.00092
60	0.00136	0.00249	0.00151	0.00124	0.00097	0.00079	0.00077	0.00067	0.00075	0.00074	0.00076

Table 7. Standard error of critical values of F for two-tailed test, 99% Confidence Level (one-tailed test, 99.5%).
Tabla 7. Error estándar de valores críticos de F para la prueba de dos colas 99% Nivel de Confianza (prueba de una cola, 99.5%).

Continues/Continúa

ν_2 \ ν_1	1	2 3		4	5	6	7	8	9	10	11
65	0.00139	0.00139	0.00137	0.00072	0.00117	0.00086	0.00053	0.00077	0.00090	0.00089	0.00085
70	0.00136	0.00147	0.00131	0.00106	0.00072	0.00101	0.00055	0.00105	0.00064	0.00057	0.00063
75	0.00118	0.00133	0.00117	0.000995	0.00094	0.00111	0.00089	0.00101	0.00121	0.00072	0.00059
80	0.00142	0.00189	0.00071	0.00120	0.00054	0.00103	0.00092	0.00065	0.000998	0.00073	0.00050
85	0.00116	0.00109	0.00147	0.00067	0.00070	0.00079	0.00083	0.00111	0.00069	0.00060	0.000428
90	0.00129	0.00165	0.00191	0.00105	0.00109	0.00088	0.00095	0.00091	0.00066	0.00070	0.00047
95	0.00129	0.00136	0.00123	0.00099	0.00121	0.00097	0.00068	0.00063	0.00085	0.00101	0.00064
100	0.00131	0.00096	0.00061	0.00076	0.00088	0.00085	0.00054	0.00053	0.00091	0.000420	0.00065
110	0.00142	0.00179	0.00095	0.00111	0.00121	0.00085	0.00126	0.00080	0.00056	0.00074	0.000407
120	0.00124	0.00155	0.00094	0.00087	0.00098	0.00054	0.00080	0.00072	0.00067	0.00070	0.00079
130	0.00153	0.00106	0.00168	0.00120	0.00089	0.00080	0.00132	0.00064	0.00069	0.00063	0.00088
140	0.00136	0.00171	0.00127	0.00117	0.00112	0.00088	0.00071	0.00063	0.00068	0.00072	0.00062
150	0.00119	0.00157	0.00140	0.00110	0.00130	0.00103	0.00068	0.00061	0.00066	0.00067	0.00066
160	0.00160	0.00185	0.00146	0.00076	0.00143	0.00096	0.00059	0.00071	0.00054	0.00078	0.000453
180	0.00166	0.00155	0.00108	0.00093	0.00079	0.00073	0.00103	0.00084	0.00054	0.00085	0.00071
200	0.00130	0.00193	0.00099	0.00088	0.00104	0.00095	0.00049	0.00062	0.00057	0.00057	0.000362
250	0.00097	0.00135	0.00092	0.00141	0.00094	0.00048	0.00062	0.00052	0.00093	0.00057	0.000438
300	0.00111	0.00102	0.00123	0.00135	0.00101	0.00049	0.000421	0.00051	0.00075	0.00057	0.000412
350	0.00134	0.00158	0.00117	0.00105	0.00075	0.00067	0.00099	0.000453	0.00079	0.00069	0.000348
400	0.00220	0.00146	0.00113	0.00139	0.00082	0.00080	0.00082	0.00064	0.00074	0.00052	0.000418
500	0.00140	0.00143	0.00168	0.00123	0.00088	0.00090	0.00062	0.00053	0.000386	0.00057	0.00069
600	0.00147	0.00099	0.00125	0.00085	0.00130	0.00063	0.00086	0.00061	0.00059	0.00073	0.00051
700	0.00134	0.00102	0.00143	0.00150	0.00080	0.00078	0.00047	0.000393	0.00057	0.00046	0.000427
800	0.00127	0.00264	0.00146	0.00112	0.00087	0.00068	0.00063	0.00061	0.000451	0.000372	0.00056
900	0.00205	0.00105	0.00166	0.00150	0.00099	0.00081	0.00071	0.00069	0.00051	0.000453	0.00047
1000	0.00110	0.00117	0.00110	0.00131	0.00080	0.00087	0.00064	0.00066	0.000429	0.00071	0.000306
1200	0.00151	0.00119	0.00165	0.00129	0.00122	0.00050	0.00081	0.00048	0.00069	0.000436	0.000452
1400	0.00114	0.00166	0.00111	0.00091	0.00064	0.00069	0.00071	0.00085	0.000396	0.00061	0.000394
1600	0.00116	0.000998	0.00124	0.00077	0.00088	0.00062	0.00059	0.00065	0.00086	0.00055	0.000411
1800	0.00128	0.00138	0.00150	0.00105	0.00075	0.00085	0.00058	0.00052	0.000433	0.00066	0.00065
2000	0.00118	0.00117	0.00137	0.00128	0.00085	0.00085	0.00072	0.00053	0.00053	0.00074	0.00049

Table 7 (Cont.). Standard error of critical values of F for two-tailed test, 99% Confidence Level (one-tailed test, 99.5%).
Tabla 7 (Cont.). Error estándar de valores críticos de F para la prueba de dos colas 99% Nivel de Confianza (prueba de una cola, 99.5%).

ν_2 \ ν_1	1	2 3		4	5	6	7	8	9	10	11
6	0.00288	0.00213	0.00199	0.00180	0.00146	0.00126	0.00133	0.00142	0.00139	0.00141	0.00119
7	0.00246	0.00173	0.00143	0.00121	0.00118	0.00116	0.00109	0.00115	0.00110	0.00092	0.00098
8	0.00218	0.00149	0.00118	0.00105	0.00105	0.00100	0.000997	0.00084	0.00079	0.00085	0.00079
9	0.00187	0.00123	0.00107	0.00094	0.00081	0.00076	0.00078	0.00080	0.00071	0.00068	0.00072
10	0.00184	0.00119	0.00101	0.00081	0.00072	0.00077	0.00063	0.00070	0.00068	0.00064	0.00058
11	0.00150	0.00116	0.00076	0.00076	0.00067	0.00062	0.00064	0.00059	0.00077	0.00052	0.00086
12	0.00139	0.00099	0.00086	0.00067	0.00062	0.00060	0.00060	0.00067	0.00055	0.00075	0.00076
13	0.00134	0.00095	0.00077	0.00067	0.00067	0.00086	0.00072	0.00055	0.00078	0.00075	0.00098
14	0.00140	0.00087	0.00070	0.00073	0.00070	0.00066	0.00056	0.00062	0.00061	0.00079	0.00087
15	0.00136	0.00091	0.00067	0.00062	0.00067	0.00074	0.00083	0.00061	0.00136	0.00070	0.00115
16	0.00135	0.00072	0.00065	0.00071	0.00063	0.00093	0.00067	0.00068	0.00080	0.00096	0.00081
17	0.00123	0.00079	0.00070	0.00114	0.00128	0.00082	0.00082	0.00071	0.00061	0.00070	0.00060
18	0.00119	0.00070	0.00067	0.00064	0.00070	0.00086	0.00104	0.00077	0.00112	0.00065	0.00114
19	0.00119	0.00079	0.00062	0.00101	0.00060	0.00076	0.00076	0.00079	0.00057	0.00084	0.00060
20	0.00120	0.00068	0.00097	0.00080	0.00069	0.00074	0.00089	0.00050	0.00085	0.00058	0.00099
21	0.00116	0.00106	0.00080	0.00071	0.00068	0.00076	0.00067	0.00121	0.00063	0.00052	0.00082
22	0.00128	0.00059	0.00071	0.00074	0.00065	0.00065	0.00079	0.00057	0.00083	0.00084	0.00080
23	0.00123	0.00092	0.00059	0.00070	0.00072	0.00066	0.00062	0.00083	0.00086	0.00071	0.00056
24	0.00096	0.00068	0.00067	0.00074	0.00067	0.00113	0.00073	0.00088	0.00082	0.00054	0.00078
25	0.00106	0.00068	0.00073	0.00086	0.00059	0.00092	0.00089	0.00075	0.00053	0.00076	0.00058
26	0.00112	0.00080	0.00184	0.00083	0.00081	0.00069	0.00065	0.00058	0.00070	0.00064	0.00060
27	0.00099	0.00091	0.00108	0.00086	0.00071	0.00065	0.00075	0.00054	0.000352	0.00075	0.00070
28	0.00107	0.00092	0.00058	0.00107	0.00092	0.00101	0.00061	0.00087	0.00058	0.00064	0.00066
29	0.00103	0.00086	0.00088	0.00119	0.00107	0.00089	0.00080	0.00054	0.00071	0.00049	0.00058
30	0.00107	0.00081	0.00101	0.00095	0.00071	0.00077	0.00053	0.00078	0.00049	0.00079	0.00075
35	0.00083	0.00070	0.00070	0.00058	0.00083	0.00068	0.00075	0.00078	0.00078	0.00085	0.00082
40	0.00095	0.00077	0.00070	0.00101	0.00083	0.00086	0.00095	0.00068	0.00069	0.00055	0.00057
45	0.00091	0.00150	0.00076	0.00080	0.00069	0.00072	0.00073	0.00056	0.00065	0.00083	0.00057
50	0.00080	0.00077	0.00108	0.00077	0.00078	0.000408	0.00094	0.00058	0.00052	0.00070	0.000377
55	0.00082	0.00082	0.00117	0.00060	0.00052	0.00073	0.00074	0.00074	0.00056	0.000439	0.00077
60	0.00087	0.00145	0.00122	0.00066	0.00079	0.000287	0.00067	0.00061	0.00054	0.00046	0.00054

Table 8. Standard error of critical values of F for one-tailed test, 99% Confidence Level (98%, two-tailed).
Tabla 8. Error estándar de valores críticos de F para la prueba de una cola, 99% Nivel de Confianza (prueba de dos colas, 98%).

Continues/Continúa

ν_2 \ ν_1	1	2 3		4	5	6	7	8	9	10	11
65	0.00096	0.00114	0.00084	0.00067	0.00072	0.00050	0.000421	0.00059	0.00072	0.00048	0.000445
70	0.00101	0.00107	0.00056	0.00095	0.00067	0.00075	0.000410	0.00073	0.00062	0.000313	0.000393
75	0.00076	0.00102	0.00072	0.00094	0.00071	0.00061	0.00055	0.00072	0.00061	0.00055	0.000441
80	0.00106	0.00101	0.00069	0.00099	0.00076	0.00054	0.000454	0.000377	0.00054	0.000449	0.000359
85	0.00073	0.00115	0.00076	0.00061	0.000402	0.00072	0.00055	0.00069	0.00052	0.000244	0.000305
90	0.00093	0.00095	0.00075	0.00114	0.00075	0.00066	0.000409	0.00071	0.000425	0.00051	0.000420
95	0.00079	0.00109	0.00110	0.00064	0.00081	0.00065	0.00050	0.000386	0.000357	0.00071	0.000363
100	0.00087	0.00083	0.00097	0.00072	0.00069	0.00071	0.000400	0.00050	0.00050	0.00056	0.00046
110	0.00095	0.00119	0.00057	0.00058	0.00079	0.00063	0.00064	0.000444	0.00063	0.00054	0.000450
120	0.00082	0.00121	0.00065	0.00095	0.00133	0.000342	0.00048	0.00049	0.000196	0.000325	0.00053
130	0.00103	0.00085	0.00084	0.00069	0.000451	0.00064	0.00074	0.000403	0.00062	0.00047	0.00059
140	0.00104	0.00125	0.00059	0.00110	0.00101	0.00059	0.00056	0.000440	0.00050	0.00051	0.00055
150	0.00087	0.00092	0.00095	0.00078	0.00075	0.00059	0.000452	0.00047	0.00046	0.000427	0.000414
160	0.00122	0.00126	0.00105	0.00084	0.00084	0.00050	0.000386	0.000299	0.00047	0.00061	0.00052
180	0.00110	0.00106	0.00087	0.00077	0.00062	0.000382	0.00061	0.000412	0.000378	0.00061	0.000440
200	0.00086	0.00123	0.00116	0.00069	0.00060	0.00062	0.00048	0.000311	0.00051	0.000365	0.000380
250	0.00068	0.00090	0.00075	0.00077	0.00077	0.00049	0.000452	0.000374	0.00057	0.000321	0.000335
300	0.00072	0.00065	0.00091	0.00090	0.00075	0.00050	0.00052	0.00054	0.00047	0.00046	0.000308
350	0.00083	0.00081	0.00082	0.00080	0.00059	0.00048	0.00077	0.000326	0.00062	0.00046	0.000261
400	0.00112	0.00097	0.00094	0.00108	0.00075	0.00048	0.00048	0.00053	0.00052	0.000359	0.000327
500	0.00121	0.00115	0.00090	0.00086	0.00063	0.00071	0.000356	0.000359	0.000349	0.00046	0.000334
600	0.00089	0.00064	0.00092	0.00085	0.00074	0.000307	0.00055	0.000447	0.000446	0.000442	0.000269
700	0.00098	0.00084	0.00090	0.00088	0.00082	0.00065	0.000292	0.00055	0.000430	0.000403	0.000410
800	0.00091	0.00178	0.00139	0.00072	0.00047	0.00053	0.000338	0.000363	0.000341	0.000372	0.000428
900	0.00127	0.00112	0.00117	0.00088	0.00090	0.00050	0.00051	0.00053	0.00050	0.000325	0.00051
1000	0.00082	0.00095	0.00099	0.00081	0.00058	0.000402	0.00050	0.000305	0.000422	0.000324	0.000319
1200	0.00117	0.00068	0.00108	0.00112	0.00061	0.00060	0.00056	0.000316	0.000411	0.000387	0.000339
1400	0.00088	0.00054	0.00090	0.00069	0.00056	0.00054	0.00056	0.00067	0.000280	0.000452	0.000391
1600	0.00080	0.00080	0.00108	0.00074	0.00047	0.00049	0.000451	0.00048	0.00052	0.000368	0.000388
1800	0.00084	0.00111	0.00139	0.00101	0.00077	0.00068	0.00046	0.000416	0.000269	0.000334	0.00052
2000	0.00079	0.00082	0.00097	0.00090	0.00080	0.00065	0.00050	0.000337	0.000454	0.000453	0.000299

Table 8 (Cont.). Standard error of critical values of F for one-tailed test, 99% Confidence Level (98%, two-tailed).
Tabla 8 (Cont.). Error estándar de valores críticos de F para la prueba de una cola, 99% Nivel de Confianza (prueba de dos colas, 98%).

ν_1	Equation
1	$cv_{95\%} = (4.5345652\pm0.0002881)-(2.1205858\pm0.0027217)\cdot(\ln(\ln(\ln(\nu_2))))+(1.4860761\pm0.0134731)\cdot(\ln(\ln(\ln(\nu_2))))^2+(0.6371318\pm0.0727489)\cdot(\ln(\ln(\ln(\nu_2))))^3-(0.3467042\pm0.1266113)\cdot(\ln(\ln(\ln(\nu_2))))^4-(0.0775251\pm0.5500850)\cdot(\ln(\ln(\ln(\nu_2))))^5-(0.4382646\pm0.5400602)\cdot(\ln(\ln(\ln(\nu_2))))^6-(0.5141437\pm1.1498858)\cdot(\ln(\ln(\ln(\nu_2))))^7+(0.6962519\pm1.2204533)\cdot(\ln(\ln(\ln(\nu_2))))^8$
2	$cv_{95\%} = (3.6741784\pm0.0001662)-(2.1028255\pm0.0015704)\cdot(\ln(\ln(\ln(\nu_2))))+(1.5332676\pm0.0077736)\cdot(\ln(\ln(\ln(\nu_2))))^2+(0.5619072\pm0.0419740)\cdot(\ln(\ln(\ln(\nu_2))))^3-(0.3229838\pm0.0730511)\cdot(\ln(\ln(\ln(\nu_2))))^4-(0.0214737\pm0.3173835)\cdot(\ln(\ln(\ln(\nu_2))))^5-(0.5271222\pm0.3115994)\cdot(\ln(\ln(\ln(\nu_2))))^6-(0.6865514\pm0.6634515)\cdot(\ln(\ln(\ln(\nu_2))))^7+(0.9497353\pm0.7041661)\cdot(\ln(\ln(\ln(\nu_2))))^8$
3	$cv_{95\%} = (3.2793504\pm0.0001515)-(2.1001801\pm0.0014312)\cdot(\ln(\ln(\ln(\nu_2))))+(1.5527508\pm0.0070847)\cdot(\ln(\ln(\ln(\nu_2))))^2+(0.5448106\pm0.0382545)\cdot(\ln(\ln(\ln(\nu_2))))^3-(0.3008812\pm0.0665777)\cdot(\ln(\ln(\ln(\nu_2))))^4-(0.1305370\pm0.2892586)\cdot(\ln(\ln(\ln(\nu_2))))^5-(0.4721551\pm0.2839871)\cdot(\ln(\ln(\ln(\nu_2))))^6-(0.4084874\pm0.6046598)\cdot(\ln(\ln(\ln(\nu_2))))^7+(0.6340686\pm0.6417672)\cdot(\ln(\ln(\ln(\nu_2))))^8$
4	$cv_{95\%} = (3.0474581\pm0.0001450)-(2.1088176\pm0.0013702)\cdot(\ln(\ln(\ln(\nu_2))))+(1.5755676\pm0.0067827)\cdot(\ln(\ln(\ln(\nu_2))))^2+(0.6272807\pm0.0366237)\cdot(\ln(\ln(\ln(\nu_2))))^3-(0.4702406\pm0.0637394)\cdot(\ln(\ln(\ln(\nu_2))))^4-(0.7688844\pm0.2769270)\cdot(\ln(\ln(\ln(\nu_2))))^5+(0.4669698\pm0.2718803)\cdot(\ln(\ln(\ln(\nu_2))))^6+(0.7893913\pm0.5788822)\cdot(\ln(\ln(\ln(\nu_2))))^7-(1.0278262\pm0.6144077)\cdot(\ln(\ln(\ln(\nu_2))))^8$
5	$cv_{95\%} = (10.486478\pm0.0640856)-(17.379273\pm0.3315056)\cdot(\ln(\ln(\nu_2)))+(15.975730\pm0.6803594)\cdot(\ln(\ln(\nu_2)))^2-(8.5014128\pm0.7030397)\cdot(\ln(\ln(\nu_2)))^3+(2.7583235\pm0.3754698)\cdot(\ln(\ln(\nu_2)))^4-(0.4546597\pm0.0876609)\cdot(\ln(\ln(\nu_2)))^5+(0.0079374\pm0.0023401)\cdot(\ln(\ln(\nu_2)))^7$
6	$cv_{95\%} = (2.7821838\pm0.0001295)-(2.1273075\pm0.0012234)\cdot(\ln(\ln(\ln(\nu_2))))+(1.5957681\pm0.0060562)\cdot(\ln(\ln(\ln(\nu_2))))^2+(0.4711057\pm0.0327011)\cdot(\ln(\ln(\ln(\nu_2))))^3-(0.3980852\pm0.0569126)\cdot(\ln(\ln(\ln(\nu_2))))^4+(0.4946717\pm0.2472667)\cdot(\ln(\ln(\ln(\nu_2))))^5-(0.7509991\pm0.2427605)\cdot(\ln(\ln(\ln(\nu_2))))^6-(1.8063593\pm0.5168809)\cdot(\ln(\ln(\ln(\nu_2))))^7+(2.0295405\pm0.5486015)\cdot(\ln(\ln(\ln(\nu_2))))^8$
7	$cv_{95\%} = (2.6985460\pm0.0001415)-(2.1423239\pm0.0013375)\cdot(\ln(\ln(\ln(\nu_2))))+(1.5811997\pm0.0066209)\cdot(\ln(\ln(\ln(\nu_2))))^2+(0.6254289\pm0.0357500)\cdot(\ln(\ln(\ln(\nu_2))))^3-(0.3254907\pm0.0622189)\cdot(\ln(\ln(\ln(\nu_2))))^4-(0.7887574\pm0.2703208)\cdot(\ln(\ln(\ln(\nu_2))))^5-(0.0239466\pm0.2653945)\cdot(\ln(\ln(\ln(\nu_2))))^6+(0.9792479\pm0.5650728)\cdot(\ln(\ln(\ln(\nu_2))))^7-(0.6988521\pm0.5997508)\cdot(\ln(\ln(\ln(\nu_2))))^8$
8	$cv_{95\%} = (2.6327203\pm0.0001358)-(2.1495491\pm0.0012836)\cdot(\ln(\ln(\ln(\nu_2))))+(1.5814438\pm0.0063542)\cdot(\ln(\ln(\ln(\nu_2))))^2+(0.5148401\pm0.0343097)\cdot(\ln(\ln(\ln(\nu_2))))^3-(0.2740391\pm0.0597122)\cdot(\ln(\ln(\ln(\nu_2))))^4+(0.0235664\pm0.2594303)\cdot(\ln(\ln(\ln(\nu_2))))^5-(0.6556106\pm0.2547024)\cdot(\ln(\ln(\ln(\nu_2))))^6-(0.6884471\pm0.5423074)\cdot(\ln(\ln(\ln(\nu_2))))^7+(1.0434611\pm0.5755883)\cdot(\ln(\ln(\ln(\nu_2))))^8$
9	$cv_{95\%} = (2.5794924\pm0.0001406)-(2.1610549\pm0.0013283)\cdot(\ln(\ln(\ln(\nu_2))))+(1.5763095\pm0.0065752)\cdot(\ln(\ln(\ln(\nu_2))))^2+(0.5543146\pm0.0355034)\cdot(\ln(\ln(\ln(\nu_2))))^3-(0.2495872\pm0.0617896)\cdot(\ln(\ln(\ln(\nu_2))))^4-(0.2685402\pm0.2684551)\cdot(\ln(\ln(\ln(\nu_2))))^5-(0.4932186\pm0.2635636)\cdot(\ln(\ln(\ln(\nu_2))))^6-(0.0578200\pm0.5611745)\cdot(\ln(\ln(\ln(\nu_2))))^7+(0.4138644\pm0.5956133)\cdot(\ln(\ln(\ln(\nu_2))))^8$
10	$cv_{95\%} = (2.5355083\pm0.0001160)-(2.1700358\pm0.0010967)\cdot(\ln(\ln(\ln(\nu_2))))+(1.5790406\pm0.0054281)\cdot(\ln(\ln(\ln(\nu_2))))^2+(0.4854316\pm0.0293142)\cdot(\ln(\ln(\ln(\nu_2))))^3-(0.2662291\pm0.0510180)\cdot(\ln(\ln(\ln(\nu_2))))^4+(0.4134172\pm0.2216568)\cdot(\ln(\ln(\ln(\nu_2))))^5-(0.8926040\pm0.2176173)\cdot(\ln(\ln(\ln(\nu_2))))^6-(1.5745786\pm0.4633466)\cdot(\ln(\ln(\ln(\nu_2))))^7+(1.8870791\pm0.4917818)\cdot(\ln(\ln(\ln(\nu_2))))^8$
11	$cv_{95\%} = (2.4985732\pm0.0000955)-(2.1796834\pm0.0009022)\cdot(\ln(\ln(\ln(\nu_2))))+(1.5766749\pm0.0044664)\cdot(\ln(\ln(\ln(\nu_2))))^2+(0.4809162\pm0.0241168)\cdot(\ln(\ln(\ln(\nu_2))))^3-(0.2348457\pm0.0419727)\cdot(\ln(\ln(\ln(\nu_2))))^4+(0.4234262\pm0.1823577)\cdot(\ln(\ln(\ln(\nu_2))))^5-(0.9694898\pm0.1790344)\cdot(\ln(\ln(\ln(\nu_2))))^6-(1.5001060\pm0.3811966)\cdot(\ln(\ln(\ln(\nu_2))))^7+(1.8482714\pm0.4045903)\cdot(\ln(\ln(\ln(\nu_2))))^8$

Table 9. Equations for the calculation of critical values of the F distribution for one-tailed 95% confidence level (two-tailed, 90%), for given values of ν_1, and for values of ν_2 missing from Table 2 or ES7.

Tabla 9. Ecuaciones para el cálculo de valores críticos de la distribución F para una cola a 95% nivel de confianza (dos colas, 90%), para valores dados de ν_1, y para valores de ν_2 ausentes de la Tabla 2 o ES7.

ν_2	Equation
6	$cv_{95\%} = (3.9352128\pm0.0001194)-(0.6778839\pm0.0006715)\cdot(\ln(\ln(\ln(\nu_1))))+(0.1348495\pm0.0023943)\cdot(\ln(\ln(\ln(\nu_1))))^2+(0.5104026\pm0.0053602)\cdot(\ln(\ln(\ln(\nu_1))))^3+(0.1786163\pm0.0096960)\cdot(\ln(\ln(\ln(\nu_1))))^4-(0.2884510\pm0.0096339)\cdot(\ln(\ln(\ln(\nu_1))))^5-(0.2268863\pm0.0127660)\cdot(\ln(\ln(\ln(\nu_1))))^6+(0.0183860\pm0.0014024)\cdot(\ln(\ln(\ln(\nu_1))))^8$
7	$cv_{95\%} = (4.4367969\pm0.0015034)-(0.9615162\pm0.0230054)\cdot(\ln(\ln(\nu_1)))+(0.0517042\pm0.1066147)\cdot(\ln(\ln(\nu_1)))^2-(0.4351741\pm0.2253513)\cdot(\ln(\ln(\nu_1)))^3+(0.6445151\pm0.2470301)\cdot(\ln(\ln(\nu_1)))^4-(0.2542273\pm0.1408510)\cdot(\ln(\ln(\nu_1)))^5+(0.0249301\pm0.0351086)\cdot(\ln(\ln(\nu_1)))^6+(0.0008612\pm0.0010625)\cdot(\ln(\ln(\nu_1)))^8$
8	$cv_{95\%} = (4.1574021\pm0.0015020)-(0.9784204\pm0.0229845)\cdot(\ln(\ln(\nu_1)))+(0.1086667\pm0.1065176)\cdot(\ln(\ln(\nu_1)))^2-(0.5623662\pm0.2251460)\cdot(\ln(\ln(\nu_1)))^3+(0.7583728\pm0.2468052)\cdot(\ln(\ln(\nu_1)))^4-(0.3023870\pm0.1407228)\cdot(\ln(\ln(\nu_1)))^5+(0.0335960\pm0.0350766)\cdot(\ln(\ln(\nu_1)))^6+(0.0007284\pm0.0010616)\cdot(\ln(\ln(\nu_1)))^8$
9	$cv_{95\%} = (3.9523174\pm0.0014463)-(0.9461106\pm0.0221309)\cdot(\ln(\ln(\nu_1)))-(0.0742348\pm0.1025611)\cdot(\ln(\ln(\nu_1)))^2-(0.1711101\pm0.2167841)\cdot(\ln(\ln(\nu_1)))^3+(0.3177223\pm0.2376398)\cdot(\ln(\ln(\nu_1)))^4-(0.0491101\pm0.1354968)\cdot(\ln(\ln(\nu_1)))^5-(0.0286132\pm0.0337740)\cdot(\ln(\ln(\nu_1)))^6+(0.0024807\pm0.0010222)\cdot(\ln(\ln(\nu_1)))^8$
10	$cv_{95\%} = (4.9782716\pm0.0103671)-(1.4393901\pm0.0243663)\cdot(\ln(\nu_1))+(0.2368126\pm0.0226733)\cdot(\ln(\nu_1))^2+(0.0387672\pm0.0108651)\cdot(\ln(\nu_1))^3-(0.0214399\pm0.0028866)\cdot(\ln(\nu_1))^4+(0.0033951\pm0.0004154)\cdot(\ln(\nu_1))^5-(0.0002141\pm0.0000268)\cdot(\ln(\nu_1))^6+(0.0000004\pm0.00000005)\cdot(\ln(\nu_1))^8$
11	$cv_{95\%} = (3.6777150\pm0.0014746)-(0.9518468\pm0.0225646)\cdot(\ln(\ln(\nu_1)))-(0.0592386\pm0.1045716)\cdot(\ln(\ln(\nu_1)))^2-(0.2188885\pm0.2210327)\cdot(\ln(\ln(\nu_1)))^3+(0.3541071\pm0.2422961)\cdot(\ln(\ln(\nu_1)))^4-(0.0634449\pm0.1381518)\cdot(\ln(\ln(\nu_1)))^5-(0.0249037\pm0.0344358)\cdot(\ln(\ln(\nu_1)))^6+(0.0022651\pm0.0010422)\cdot(\ln(\ln(\nu_1)))^8$
12	$cv_{95\%} = (3.5755422\pm0.0014725)-(0.8845896\pm0.0225324)\cdot(\ln(\ln(\nu_1)))-(0.3524774\pm0.1044224)\cdot(\ln(\ln(\nu_1)))^2+(0.3558856\pm0.2207173)\cdot(\ln(\ln(\nu_1)))^3-(0.2434401\pm0.2419504)\cdot(\ln(\ln(\nu_1)))^4+(0.2601273\pm0.1379547)\cdot(\ln(\ln(\nu_1)))^5-(0.1013956\pm0.0343867)\cdot(\ln(\ln(\nu_1)))^6+(0.0043663\pm0.0010407)\cdot(\ln(\ln(\nu_1)))^8$
13	$cv_{95\%} = (3.4989446\pm0.0019052)-(0.9215894\pm0.0291532)\cdot(\ln(\ln(\nu_1)))-(0.2188826\pm0.1351054)\cdot(\ln(\ln(\nu_1)))^2+(0.1246643\pm0.2855719)\cdot(\ln(\ln(\nu_1)))^3-(0.0368874\pm0.3130431)\cdot(\ln(\ln(\nu_1)))^4+(0.1576048\pm0.1784906)\cdot(\ln(\ln(\nu_1)))^5-(0.0770565\pm0.0444907)\cdot(\ln(\ln(\nu_1)))^6+(0.0035565\pm0.0013465)\cdot(\ln(\ln(\nu_1)))^8$
14	$cv_{95\%} = (4.6228412\pm0.0146624)-(1.4639314\pm0.0344619)\cdot(\ln(\nu_1))+(0.2695132\pm0.0320675)\cdot(\ln(\nu_1))^2+(0.0162154\pm0.0153680)\cdot(\ln(\nu_1))^3-(0.0145001\pm0.0040826)\cdot(\ln(\nu_1))^4+(0.0023598\pm0.0005876)\cdot(\ln(\nu_1))^5-(0.0001484\pm0.0000379)\cdot(\ln(\nu_1))^6+(0.0000002\pm0.00000008)\cdot(\ln(\nu_1))^8$
15	$cv_{95\%} = (4.6053572\pm0.0193112)-(1.5625207\pm0.0453880)\cdot(\ln(\nu_1))+(0.3678051\pm0.0422345)\cdot(\ln(\nu_1))^2-(0.0338066\pm0.0202405)\cdot(\ln(\nu_1))^3-(0.0007295\pm0.0053770)\cdot(\ln(\nu_1))^4+(0.0003401\pm0.0007739)\cdot(\ln(\nu_1))^5-(0.0000168\pm0.0000500)\cdot(\ln(\nu_1))^6-(0.00000000065\pm0.00000010691)\cdot(\ln(\nu_1))^8$
16	$cv_{95\%} = (3.3287965\pm0.0020936)-(0.9378178\pm0.0320368)\cdot(\ln(\ln(\nu_1)))-(0.1623046\pm0.1484692)\cdot(\ln(\ln(\nu_1)))^2+(0.0332794\pm0.3138189)\cdot(\ln(\ln(\nu_1)))^3+(0.0090588\pm0.3440084)\cdot(\ln(\ln(\nu_1)))^4+(0.1535158\pm0.1961458)\cdot(\ln(\ln(\nu_1)))^5-(0.0789121\pm0.0488914)\cdot(\ln(\ln(\nu_1)))^6+(0.0036569\pm0.0014797)\cdot(\ln(\ln(\nu_1)))^8$
17	$cv_{95\%} = (3.2875717\pm0.0018914)-(0.9497983\pm0.0289428)\cdot(\ln(\ln(\nu_1)))-(0.1373934\pm0.1341308)\cdot(\ln(\ln(\nu_1)))^2+(0.0382661\pm0.2835118)\cdot(\ln(\ln(\nu_1)))^3-(0.0598984\pm0.3107857)\cdot(\ln(\ln(\nu_1)))^4+(0.2241312\pm0.1772030)\cdot(\ln(\ln(\nu_1)))^5-(0.1030876\pm0.0441698)\cdot(\ln(\ln(\nu_1)))^6+(0.0047064\pm0.0013368)\cdot(\ln(\ln(\nu_1)))^8$

Table 10. Equations for the calculation of critical values of the F distribution for one-tailed 95% confidence level (two-tailed 90%), for given values of ν_2, and for values of ν_1 missing from Table 2 or ES7.

Tabla 10. Ecuaciones para el cálculo de valores críticos de la distribución F para una cola a 95% nivel de confianza (dos colas, 90%), para valores dados de ν_2, y para valores de ν_1 ausentes de la Tabla 2 o ES7.

ν_1	Equation
1	$cv_{99\%} = (8.6563488\pm0.0008528)-(6.6038698\pm0.0080566)\cdot(\ln(\ln(\ln(\nu_2))))+(5.9387245\pm0.0398819)\cdot(\ln(\ln(\ln(\nu_2))))^2+(0.1975996\pm0.2153449)\cdot(\ln(\ln(\ln(\nu_2))))^3-(1.9667156\pm0.3747837)\cdot(\ln(\ln(\ln(\nu_2))))^4+(2.1841079\pm1.6283136)\cdot(\ln(\ln(\ln(\nu_2))))^5-(0.3521976\pm1.5986390)\cdot(\ln(\ln(\ln(\nu_2))))^6-(5.5835772\pm3.4037914)\cdot(\ln(\ln(\ln(\nu_2))))^7+(4.2187004\pm3.6126791)\cdot(\ln(\ln(\ln(\nu_2))))^8$
2	$cv_{99\%} = (6.3366441\pm0.0004319)-(5.7610293\pm0.0040808)\cdot(\ln(\ln(\ln(\nu_2))))+(5.4227402\pm0.0202009)\cdot(\ln(\ln(\ln(\nu_2))))^2-(0.1467949\pm0.1090762)\cdot(\ln(\ln(\ln(\nu_2))))^3-(1.2910651\pm0.1898349)\cdot(\ln(\ln(\ln(\nu_2))))^4+(1.1589686\pm0.8247710)\cdot(\ln(\ln(\ln(\nu_2))))^5-(0.7747484\pm0.8097403)\cdot(\ln(\ln(\ln(\nu_2))))^6-(3.2624641\pm1.7240835)\cdot(\ln(\ln(\ln(\nu_2))))^7+(3.1753128\pm1.8298881)\cdot(\ln(\ln(\ln(\nu_2))))^8$
3	$cv_{99\%} = (5.3973516\pm0.0004528)-(5.4183196\pm0.0042778)\cdot(\ln(\ln(\ln(\nu_2))))+(5.1577561\pm0.0211760)\cdot(\ln(\ln(\ln(\nu_2))))^2-(0.1919411\pm0.1143414)\cdot(\ln(\ln(\ln(\nu_2))))^3-(0.4925836\pm0.1989983)\cdot(\ln(\ln(\ln(\nu_2))))^4-(0.6711311\pm0.8645832)\cdot(\ln(\ln(\ln(\nu_2))))^5-(1.4313455\pm0.8488261)\cdot(\ln(\ln(\ln(\nu_2))))^6+(1.5894711\pm1.8073051)\cdot(\ln(\ln(\ln(\nu_2))))^7-(0.0656601\pm1.9182187)\cdot(\ln(\ln(\ln(\nu_2))))^8$
4	$cv_{99\%} = (4.8736573\pm0.0004462)-(5.2410639\pm0.0042151)\cdot(\ln(\ln(\ln(\nu_2))))+(5.1122922\pm0.0208699)\cdot(\ln(\ln(\ln(\nu_2))))^2-(0.3294359\pm0.1126881)\cdot(\ln(\ln(\ln(\nu_2))))^3-(0.9646840\pm0.1961210)\cdot(\ln(\ln(\ln(\nu_2))))^4-(0.0428214\pm0.8520823)\cdot(\ln(\ln(\ln(\nu_2))))^5-(0.3590925\pm0.8365539)\cdot(\ln(\ln(\ln(\nu_2))))^6+(0.2742949\pm1.7811744)\cdot(\ln(\ln(\ln(\nu_2))))^7-(0.1526569\pm1.8904835)\cdot(\ln(\ln(\ln(\nu_2))))^8$
5	$cv_{99\%} = (4.5363728\pm0.0003821)-(5.1374053\pm0.0036099)\cdot(\ln(\ln(\ln(\nu_2))))+(5.0695014\pm0.0178695)\cdot(\ln(\ln(\ln(\nu_2))))^2-(0.4162182\pm0.0964876)\cdot(\ln(\ln(\ln(\nu_2))))^3-(1.0464444\pm0.1679258)\cdot(\ln(\ln(\ln(\nu_2))))^4+(0.2972322\pm0.7295833)\cdot(\ln(\ln(\ln(\nu_2))))^5-(0.3059509\pm0.7162873)\cdot(\ln(\ln(\ln(\nu_2))))^6-(0.5432754\pm1.5251050)\cdot(\ln(\ln(\ln(\nu_2))))^7+(0.4914782\pm1.6186994)\cdot(\ln(\ln(\ln(\nu_2))))^8$
6	$cv_{99\%} = (4.2993084\pm0.0002758)-(5.0695634\pm0.0026059)\cdot(\ln(\ln(\ln(\nu_2))))+(5.0179519\pm0.0128996)\cdot(\ln(\ln(\ln(\nu_2))))^2-(0.5164038\pm0.0696511)\cdot(\ln(\ln(\ln(\nu_2))))^3-(0.9332523\pm0.1212214)\cdot(\ln(\ln(\ln(\nu_2))))^4+(0.9729606\pm0.5266678)\cdot(\ln(\ln(\ln(\nu_2))))^5-(1.0842265\pm0.5170697)\cdot(\ln(\ln(\ln(\nu_2))))^6-(1.9563477\pm1.1009349)\cdot(\ln(\ln(\ln(\nu_2))))^7+(2.2494860\pm1.1684983)\cdot(\ln(\ln(\ln(\nu_2))))^8$
7	$cv_{99\%} = (4.1229801\pm0.0003091)-(5.0235411\pm0.0029201)\cdot(\ln(\ln(\ln(\nu_2))))+(4.9870152\pm0.0144551)\cdot(\ln(\ln(\ln(\nu_2))))^2-(0.5581826\pm0.0780512)\cdot(\ln(\ln(\ln(\nu_2))))^3-(0.9081573\pm0.1358393)\cdot(\ln(\ln(\ln(\nu_2))))^4+(1.0464956\pm0.5901778)\cdot(\ln(\ln(\ln(\nu_2))))^5-(1.2205661\pm0.5794224)\cdot(\ln(\ln(\ln(\nu_2))))^6-(1.8956915\pm1.2336941)\cdot(\ln(\ln(\ln(\nu_2))))^7+(2.3184234\pm1.3094057)\cdot(\ln(\ln(\ln(\nu_2))))^8$
8	$cv_{99\%} = (3.9860093\pm0.0004198)-(4.9877647\pm0.0039664)\cdot(\ln(\ln(\ln(\nu_2))))+(4.9518549\pm0.0196344)\cdot(\ln(\ln(\ln(\nu_2))))^2-(0.6169641\pm0.1060173)\cdot(\ln(\ln(\ln(\nu_2))))^3-(0.7591469\pm0.1845112)\cdot(\ln(\ln(\ln(\nu_2))))^4+(1.0181577\pm0.8016412)\cdot(\ln(\ln(\ln(\nu_2))))^5-(1.4778057\pm0.7870320)\cdot(\ln(\ln(\ln(\nu_2))))^6-(1.5363867\pm1.6757334)\cdot(\ln(\ln(\ln(\nu_2))))^7+(2.1584266\pm1.7785717)\cdot(\ln(\ln(\ln(\nu_2))))^8$
9	$cv_{99\%} = (3.8767516\pm0.0002857)-(4.9714105\pm0.0026997)\cdot(\ln(\ln(\ln(\nu_2))))+(4.9076906\pm0.0133639)\cdot(\ln(\ln(\ln(\nu_2))))^2-(0.4491992\pm0.0721594)\cdot(\ln(\ln(\ln(\nu_2))))^3-(0.6797203\pm0.1255853)\cdot(\ln(\ln(\ln(\nu_2))))^4-(0.3311642\pm0.5456275)\cdot(\ln(\ln(\ln(\nu_2))))^5-(0.6067146\pm0.5356839)\cdot(\ln(\ln(\ln(\nu_2))))^6+(1.2551475\pm1.1405678)\cdot(\ln(\ln(\ln(\nu_2))))^7-(0.7428149\pm1.2105635)\cdot(\ln(\ln(\ln(\nu_2))))^8$
10	$cv_{99\%} = (3.7866283\pm0.0002795)-(4.9587845\pm0.0026406)\cdot(\ln(\ln(\ln(\nu_2))))+(4.9111797\pm0.0130717)\cdot(\ln(\ln(\ln(\nu_2))))^2-(0.4641336\pm0.0705815)\cdot(\ln(\ln(\ln(\nu_2))))^3-(0.8990877\pm0.1228392)\cdot(\ln(\ln(\ln(\nu_2))))^4+(0.2334080\pm0.5336965)\cdot(\ln(\ln(\ln(\nu_2))))^5-(0.4100935\pm0.5239704)\cdot(\ln(\ln(\ln(\nu_2))))^6-(0.4953486\pm1.1156276)\cdot(\ln(\ln(\ln(\nu_2))))^7+(0.5847447\pm1.1840927)\cdot(\ln(\ln(\ln(\nu_2))))^8$

Table 11. Equations for the calculation of critical values of the F distribution for one-tailed 99% confidence level (two-tailed, 98%), for given values of ν_1, and for values of ν_2 missing from Table 4 or ES10.

Tabla 11. Ecuaciones para el cálculo de valores críticos de la distribución F para una cola a 99% nivel de confianza (dos colas, 98%), para valores dados de ν_1, y para valores de ν_2 ausentes de la Tabla 4 o ES10.

ν_2	Equation
6	$cv_{99\%} = (7.5512661\pm0.0004977)-(1.7374631\pm0.0027981)\cdot(\ln(\ln(\ln(\nu_1))))+(0.4215826\pm0.0099757)\cdot(\ln(\ln(\ln(\nu_1))))^2+(1.2640621\pm0.0223331)\cdot(\ln(\ln(\ln(\nu_1))))^3+(0.3826577\pm0.0403984)\cdot(\ln(\ln(\ln(\nu_1))))^4-(0.7163445\pm0.0401396)\cdot(\ln(\ln(\ln(\nu_1))))^5-(0.5462604\pm0.0531897)\cdot(\ln(\ln(\ln(\nu_1))))^6+(0.0440541\pm0.0058432)\cdot(\ln(\ln(\ln(\nu_1))))^8$
7	$cv_{99\%} = (12.265371\pm0.0482766)-(4.8191311\pm0.1134669)\cdot(\ln(\nu_1))+(1.4264645\pm0.1055833)\cdot(\ln(\nu_1))^2-(0.1831256\pm0.0505997)\cdot(\ln(\nu_1))^3-(0.0012084\pm0.0134422)\cdot(\ln(\nu_1))^4+(0.0030875\pm0.0019348)\cdot(\ln(\nu_1))^5-(0.0002812\pm0.0001250)\cdot(\ln(\nu_1))^6+(0.0000007\pm0.0000002)\cdot(\ln(\nu_1))^8$
8	$cv_{99\%} = (7.8327764\pm0.0059728)-(2.6126018\pm0.0913960)\cdot(\ln(\ln(\nu_1)))+(0.6034201\pm0.4235594)\cdot(\ln(\ln(\nu_1)))^2-(1.7769717\pm0.8952764)\cdot(\ln(\ln(\nu_1)))^3+(2.4427953\pm0.9814022)\cdot(\ln(\ln(\nu_1)))^4-(1.1962497\pm0.5595735)\cdot(\ln(\ln(\nu_1)))^5+(0.2192345\pm0.1394797)\cdot(\ln(\ln(\nu_1)))^6-(0.0030324\pm0.0042213)\cdot(\ln(\ln(\nu_1)))^8$
9	$cv_{99\%} = (7.2188316\pm0.0048057)-(2.4490126\pm0.0735373)\cdot(\ln(\ln(\nu_1)))+(0.1813419\pm0.3407961)\cdot(\ln(\ln(\nu_1)))^2-(0.8793304\pm0.7203398)\cdot(\ln(\ln(\nu_1)))^3+(1.4003909\pm0.7896367)\cdot(\ln(\ln(\nu_1)))^4-(0.5819875\pm0.4502331)\cdot(\ln(\ln(\nu_1)))^5+(0.0643336\pm0.1122254)\cdot(\ln(\ln(\nu_1)))^6+(0.0015776\pm0.0033964)\cdot(\ln(\ln(\nu_1)))^8$
10	$cv_{99\%} = (9.9537462\pm0.0320908)-(4.2254922\pm0.0754247)\cdot(\ln(\nu_1))+(1.1701388\pm0.0701843)\cdot(\ln(\nu_1))^2-(0.1280338\pm0.0336351)\cdot(\ln(\nu_1))^3-(0.0060630\pm0.0089354)\cdot(\ln(\nu_1))^4+(0.0029155\pm0.0012862)\cdot(\ln(\nu_1))^5-(0.0002312\pm0.0000831)\cdot(\ln(\nu_1))^6+(0.0000004\pm0.0000001)\cdot(\ln(\nu_1))^8$
11	$cv_{99\%} = (6.4284548\pm0.0043492)-(2.1956131\pm0.0665514)\cdot(\ln(\ln(\nu_1)))-(0.6223724\pm0.3084213)\cdot(\ln(\ln(\nu_1)))^2+(0.8201756\pm0.6519092)\cdot(\ln(\ln(\nu_1)))^3-(0.4461767\pm0.7146230)\cdot(\ln(\ln(\nu_1)))^4+(0.4232632\pm0.4074611)\cdot(\ln(\ln(\nu_1)))^5-(0.1696613\pm0.1015643)\cdot(\ln(\ln(\nu_1)))^6+(0.0076306\pm0.0030738)\cdot(\ln(\ln(\nu_1)))^8$
12	$cv_{99\%} = (6.1611696\pm0.0047253)-(2.1487803\pm0.0723072)\cdot(\ln(\ln(\nu_1)))-(0.7537539\pm0.3350956)\cdot(\ln(\ln(\nu_1)))^2+(1.2377597\pm0.7082906)\cdot(\ln(\ln(\nu_1)))^3-(1.0545692\pm0.7764284)\cdot(\ln(\ln(\nu_1)))^4+(0.8354485\pm0.4427020)\cdot(\ln(\ln(\nu_1)))^5-(0.2846712\pm0.1103482)\cdot(\ln(\ln(\nu_1)))^6+(0.0116367\pm0.0033396)\cdot(\ln(\ln(\nu_1)))^8$
13	$cv_{99\%} = (9.1222200\pm0.0363053)-(4.3459960\pm0.0853303)\cdot(\ln(\nu_1))+(1.4081216\pm0.0794016)\cdot(\ln(\nu_1))^2-(0.2634736\pm0.0380524)\cdot(\ln(\nu_1))^3+(0.0309971\pm0.0101089)\cdot(\ln(\nu_1))^4-(0.0022802\pm0.0014551)\cdot(\ln(\nu_1))^5+(0.0000874\pm0.0000940)\cdot(\ln(\nu_1))^6-(0.00000009\pm0.0000002)\cdot(\ln(\nu_1))^8$
14	$cv_{99\%} = (5.7781842\pm0.0050116)-(2.2481032\pm0.0766878)\cdot(\ln(\ln(\nu_1)))-(0.0714938\pm0.3553965)\cdot(\ln(\ln(\nu_1)))^2-(0.1719954\pm0.7512006)\cdot(\ln(\ln(\nu_1)))^3+(0.4428677\pm0.8234663)\cdot(\ln(\ln(\nu_1)))^4-(0.0135108\pm0.4695211)\cdot(\ln(\ln(\nu_1)))^5-(0.0705808\pm0.1170334)\cdot(\ln(\ln(\nu_1)))^6+(0.0049017\pm0.0035411)\cdot(\ln(\ln(\nu_1)))^8$
15	$cv_{99\%} = (5.6306204\pm0.0053452)-(2.2560066\pm0.0817926)\cdot(\ln(\ln(\nu_1)))+(0.0645660\pm0.3790540)\cdot(\ln(\ln(\nu_1)))^2-(0.4491421\pm0.8012054)\cdot(\ln(\ln(\nu_1)))^3+(0.7175242\pm0.8782816)\cdot(\ln(\ln(\nu_1)))^4-(0.1577791\pm0.5007764)\cdot(\ln(\ln(\nu_1)))^5-(0.0371474\pm0.1248239)\cdot(\ln(\ln(\nu_1)))^6+(0.0040596\pm0.0037777)\cdot(\ln(\ln(\nu_1)))^8$
16	$cv_{99\%} = (8.5570591\pm0.0427499)-(4.1805729\pm0.1004773)\cdot(\ln(\nu_1))+(1.3445878\pm0.0934962)\cdot(\ln(\nu_1))^2-(0.2530472\pm0.0448071)\cdot(\ln(\nu_1))^3+(0.0306177\pm0.0119034)\cdot(\ln(\nu_1))^4-(0.0023807\pm0.0017134)\cdot(\ln(\nu_1))^5+(0.0000987\pm0.0001107)\cdot(\ln(\nu_1))^6-(0.0000001\pm0.0000002)\cdot(\ln(\nu_1))^8$
17	$cv_{99\%} = (5.3905394\pm0.0058586)-(2.1752957\pm0.0896489)\cdot(\ln(\ln(\nu_1)))-(0.1717381\pm0.4154628)\cdot(\ln(\ln(\nu_1)))^2+(0.1534812\pm0.8781625)\cdot(\ln(\ln(\nu_1)))^3-(0.0678593\pm0.9626411)\cdot(\ln(\ln(\nu_1)))^4+(0.3338949\pm0.5488768)\cdot(\ln(\ln(\nu_1)))^5-(0.1646565\pm0.1368134)\cdot(\ln(\ln(\nu_1)))^6+(0.0078922\pm0.0041406)\cdot(\ln(\ln(\nu_1)))^8$

Table 12. Equations for the calculation of critical values of the F distribution for one-tailed 99% confidence level (two-tailed, 98%), for given values of ν_2, and for values of ν_1 missing from Table 4 or ES10.

Tabla 12. Ecuaciones para el cálculo de valores críticos de la distribución F para una cola a 99% nivel de confianza (dos colas, 98%), para valores dados de ν_2, y para valores de ν_1 ausentes de la Tabla 4 o ES10.

Element (% or $\mu g.g^{-1}$)	Total no. of groups	ν_1	ν_2	F_{calc}	F_{crit}	H_0
Si (%)	7	6	143	5.6463577	3.25498	F
Ti (%)	7	6	162	3.1966244	3.234068	T
Al (%)	7	6	150	1.8238030	3.24457	T
Fe (%)	7	6	201	2.9609730	3.2055726	T
Mn (%)	6	5	171	1.0403419	3.4900295	T
Mg (%)	7	6	147	2.2211187	3.24978	T
Ca (%)	7	6	160	0.9179034	3.23556	T
Na (%)	7	6	152	7.4627382	3.243816	F
K (%)	7	6	190	2.4062940	3.21334	T
P (%)	6	5	88	10.2815491	3.625242	F
La	5	4	141	8.2148639	3.88905	F
Ce	5	4	121	3.7313636	3.92038	T
Pr	5	4	18	1.7434120	5.3749	T
Nd	4	3	84	4.0031143	4.594748	T
Sm	4	3	103	3.6383614	4.535777	T
Eu	4	3	104	2.9714658	4.533046	T
Gd	4	3	48	0.8311999	4.852508	T
Tb	3	2	79	5.5250391	5.67012	T
Dy	4	3	35	0.3355091	5.08485	T
Ho	3	2	22	0.0153629	6.80382	T
Er	4	3	14	0.1851524	6.68269	T
Yb	4	3	98	0.6474791	4.549362	T
Lu	3	2	81	0.4282807	5.660652	T
B	3	2	14	2.1737647	7.92167	T
Ba	7	6	143	2.0706206	3.25498	T
Be	4	3	28	0.5718660	5.31798	T
Co	6	5	126	4.4426468	3.53992	F
Cr	6	5	110	1.9885574	3.5665	T
Cs	5	4	67	1.1101266	4.094452	T
Cu	6	5	104	0.3148253	3.580804	T
Ga	4	3	54	1.5504034	4.784736	T
Li	4	3	48	1.4723568	4.852508	T
Nb	6	5	39	0.6056762	4.003346	T
Ni	6	5	84	0.6180281	3.63946	T
Pb	6	5	93	0.3848928	3.609394	T
Rb	6	5	163	3.8159096	3.4976735	F
Sc	5	4	89	12.1625890	3.999108	F
Sr	6	5	171	3.2898307	3.4900295	T
Th	6	5	102	3.8048056	3.585572	F
U	4	3	76	0.7623224	4.629908	T
V	6	5	81	1.5790784	3.64849	T
Y	4	3	48	1.0150717	4.852508	T
Zn	5	4	102	0.6853487	3.95987	T
Zr	5	4	99	2.5525201	3.967224	T
Ag	4	3	15	2.1941018	6.47813	T
As	3	2	13	0.2055463	8.18335	T
Cd	4	3	17	0.5622071	6.15427	T
Cl	5	4	22	1.7528630	5.01969	T
F	6	5	38	5.2925987	4.024502	F
Ge	5	4	10	9.6683669	7.34029	F
Hg	4	3	29	1.0439555	5.2785	T
Mo	4	3	14	1.0601555	6.68269	T
S	5	4	15	0.2774917	5.80226	T
Sn	4	3	19	1.2566148	5.91864	T
Tl	5	4	25	13.2704313	4.83666	F
W	3	2	7	0.2153449	12.4015	T

Table 13. Results of application of ANOVA at 99% confidence level to element concentration data for geochemical reference material granite G-2 from U.S.A., without the application of DODESSYS.

Tabla 13. Resultados de la aplicación de la prueba ANOVA al nivel de confianza de 99% a concentraciones de elementos en material de referencia geoquímica granito G-2 de E.U.A., sin la aplicación de DODESSYS.

Element (% or $\mu g.g^{-1}$)	Total no. of groups	ν_1	ν_2	F_{calc}	F_{crit}	H_0	Regions without significant differences	Regions with significant differences
Si (%)	7	5	136	2.4401774	3.523954	T	Gr5, Gr4, Gr8, Gr1, Gr3, Gr2	Gr6
Na (%)	7	5	145	3.1697460	3.51287	T	Gr3, Gr1, Gr8, Gr2, Gr4, Gr5	Gr6
P (%)	6	3	83	3.8924493	4.598186	T	Gr3, Gr4, Gr5, Gr8	Gr2, Gr6
La	5	3	53	2.7474842	4.795002	T	Gr6, Gr4, Gr3, Gr8	Gr5
Co	6	4	73	1.2462733	4.059382	T	Gr6, Gr8, Gr3, Gr2, Gr4	Gr5
Rb	6	4	152	0.8228793	3.877212	T	Gr6, Gr8, Gr2, Gr3, Gr5	Gr4
Sc	5	3	88	3.9280988	4.580702	T	Gr8, Gr5, Gr3, Gr4	Gr6
Th	6	4	101	2.9700132	3.961965	T	Gr4, Gr6, Gr5, Gr3, Gr8	Gr1
F	6	4	36	0.3113977	4.455956	T	Gr4, Gr5, Gr7, Gr8, Gr2	Gr6
Ge	5	3	9	3.1806774	8.71739	T	Gr8, Gr4, Gr2, Gr5	Gr6
Tl	5	2	21	3.2240777	6.89156	T	Gr5, Gr8, Gr2	Gr6, Gr4

Table 14. Results of successive application of ANOVA at 99% confidence level to element concentration data for geochemical reference material granite G-2 from U.S.A., without the application of DODESSYS.

Tabla 14. Resultados de la aplicación sucesiva de la prueba ANOVA al nivel de confianza de 99% a concentraciones de elementos en material de referencia geoquímica granito G-2 de E.U.A., sin la aplicación de DODESSYS.

Element (% or $\mu g.g^{-1}$)	Total no. of groups	ν_1	ν_2	F_{calc}	F_{crit}	H_0
Si (%)	7	6	126	9.5519672	3.276366	F
Ti (%)	7	6	149	5.1202081	3.24718	F
Al (%)	7	6	138	2.6787156	3.261322	T
Fe (%)	7	6	182	9.6890609	3.21918	F
Mn (%)	6	5	154	0.3873242	3.504698	T
Mg (%)	7	6	136	1.7457380	3.263764	T
Ca (%)	7	6	136	3.6518080	3.263764	F
Na (%)	7	6	134	9.4517187	3.266206	F
K (%)	7	6	166	6.8586411	3.231084	F
P (%)	6	5	77	24.4787716	3.664646	F
La	5	4	129	13.1434901	3.90566	F
Ce	5	4	110	3.3460534	3.94311	T
Pr	5	4	18	1.7434120	5.3749	T
Nd	4	3	76	1.9861318	4.629908	T
Sm	4	3	91	8.8874146	4.570394	F
Eu	4	3	98	7.0620514	4.549362	F
Gd	4	3	48	0.8311999	4.852508	T
Tb	3	2	78	5.7728341	5.67557	F
Dy	4	3	28	0.7591559	5.31798	T
Ho	3	2	21	0.3828702	6.89156	T
Er	4	3	14	0.1851524	6.68269	T
Yb	4	3	89	3.9939923	4.577166	T
Lu	3	2	71	0.5216903	5.711576	T
B	3	2	14	2.1737647	7.92167	T
Ba	7	6	127	1.8667696	3.275047	T
Be	4	3	28	0.5718660	5.31798	T
Co	6	5	109	11.6675611	3.568884	F
Cr	6	5	91	4.2792199	3.614978	F
Cs	5	4	63	1.5668954	4.11982	T
Cu	6	5	96	1.1133333	3.601116	T
Ga	4	3	54	1.5504034	4.784736	T
Li	4	3	48	1.4723568	4.852508	T
Nb	6	5	38	0.5501604	4.024502	T
Ni	6	5	70	4.7116012	3.69735	F
Pb	6	5	84	0.4685272	3.63946	T
Rb	6	5	142	2.9941057	3.51611	T
Sc	5	4	79	21.2827907	4.035454	F
Sr	6	5	151	1.6835200	3.506777	T
Th	6	5	96	5.2182140	3.601116	F
U	4	3	68	2.7926774	4.675564	T
V	6	5	74	1.3005848	3.678198	T
Y	4	3	46	1.2052722	4.879216	T
Zn	5	4	90	1.1299117	3.9967	T
Zr	5	4	89	4.9768462	3.999108	F
Ag	4	3	15	2.1941018	6.47813	T
As	3	2	13	0.2055463	8.18335	T
Cd	4	3	16	1.9338461	6.3039	T
Cl	5	4	19	2.6160727	5.27147	T
F	6	5	30	5.2292471	4.22609	F
Ge	5	4	10	9.6683669	7.34029	F
Hg	4	3	27	1.3505537	5.36277	T
Mo	4	3	14	1.0601555	6.68269	T
S	5	4	12	2.6336228	6.5219	T
Sn	4	3	18	1.4193585	6.02968	T
Tl	5	4	24	10.1363490	4.88933	F
W	3	2	7	0.2153449	12.4015	T

Table 15. Results of application of ANOVA at 99% confidence level to element concentration data for geochemical reference material granite G-2 from U.S.A., after separating normally distributed data based on DODESSYS.

Tabla 15. Resultados de la aplicación de la prueba ANOVA al nivel de confianza de 99% a concentraciones de elementos en material de referencia geoquímica granito G-2 de E.U.A., después de separar los datos normalmente distribuidos basado en DODESSYS.

Element (% or $\mu g.g^{-1}$)	Total no. of groups	ν_1	ν_2	F_{calc}	F_{crit}	H_0	Regions without significant differences	Regions with significant differences
Si (%)	7	4	111	0.7306917	3.941021	T	Gr5, Gr3, Gr1, Gr2, Gr8	Gr6, Gr4
Ti (%)	7	5	96	2.8458799	3.601116	T	Gr6, Gr2, Gr4, Gr8, Gr5, Gr1	Gr3
Fe (%)	7	5	175	2.2684597	3.4862075	T	Gr3, Gr8, Gr2, Gr1, Gr5, Gr4	Gr6
Ca (%)	7	5	114	2.7921624	3.560332	T	Gr6, Gr1, Gr5, Gr3, Gr2, Gr4	Gr8
Na (%)	7	4	97	2.3438575	3.973552	T	Gr1, Gr3, Gr8, Gr2, Gr4	Gr6, Gr5
K (%)	7	5	157	2.7471249	3.502619	T	Gr1, Gr3, Gr5, Gr2, Gr8, Gr4	Gr6
P (%)	6	3	72	0.1550206	4.6523	T	Gr4, Gr3, Gr5, Gr8	Gr2, Gr6
La	5	3	45	1.0916559	4.89257	T	Gr4, Gr8, Gr3, Gr6	Gr5
Sm	4	2	16	0.9342767	7.51425	T	Gr6, Gr4, Gr3	Gr5
Eu	4	2	96	0.8933779	5.600388	T	Gr6, Gr5, Gr4	Gr3
Tb	3	2	78	5.7728341	5.67557	F		Gr3, Gr5, Gr6
Co	6	3	94	2.8507099	4.560686	T	Gr5, Gr8, Gr2, Gr4	Gr6, Gr3
Cr	6	4	87	1.7017656	4.003924	T	Gr5, Gr8, Gr4, Gr2, Gr3	Gr6
Ni	6	4	68	2.7805269	4.088458	T	Gr8, Gr2, Gr5, Gr4, Gr3	Gr6
Sc	5	2	26	5.0060055	6.54387	T	Gr8, Gr3, Gr4	Gr6, Gr5
Th	6	4	25	2.3564525	4.83666	T	Gr1, Gr4, Gr6, Gr3, Gr8	Gr5
Zr	5	3	82	1.4981709	4.601624	T	Gr3, Gr4, Gr8, Gr5	Gr6
F	6	4	28	0.9640450	4.69854	T	Gr4, Gr5, Gr7, Gr2, Gr8	Gr6
Ge	5	3	9	3.1806774	8.71739	T	Gr8, Gr4, Gr2, Gr5	Gr6
Tl	5	2	21	3.2240777	6.89156	T	Gr8, Gr5, Gr2	Gr6, Gr4

Table 16. Results of successive application of ANOVA at 99% confidence level to element concentration data for geochemical reference material granite G-2 from U.S.A., after separating normally distributed data based on DODESSYS.

Tabla 16. Resultados de la aplicación sucesiva de la prueba ANOVA al nivel de confianza de 99% a concentraciones de elementos en material de referencia geoquímica granito G-2 de E.U.A., después de separar los datos normalmente distribuidos basado en DODESSYS

Element (μg/g)	ANOVA test			t test			Literature		
	n	mean	Standard deviation	n	mean	Standard deviation	n	mean	Standard deviation
Si (%)	112	32.275	0.197	127	32.251	0.223	132	32.2	0.26
Ti (%)	96	0.2881	0.0240	158	0.2928	0.0244	154	0.29	0.02
Ti (%)	50 (Gr3)	0.2977	0.0107	---	---	---	---	---	---
Al (%)	139	8.143	0.173	147	8.143	0.185	142	8.14	0.17
Fe (%)	171	1.866	0.065	182	1.859	0.075	182	1.86	0.07
Mn (%)	155	0.02559	0.00427	168	0.0256	0.0048	155	0.0261	0.0036
Mg (%)	133	0.4605	0.0356	134	0.4614	0.0372	141	0.47	0.05
Ca (%)	107	1.3926	0.0342	140	1.399	0.058	147	1.40	0.06
Ca (%)	23 (Gr8)	1.440	0.084	---	---	---	---	---	---
Na (%)	93	3.036	0.065	137	3.027	0.091	141	3.03	0.10
Na (%)	31 (Gr5)	2.968	0.082	---	---	---	---	---	---
K (%)	155	3.716	0.082	162	3.716	0.089	176	3.72	0.11
P (%)	77	0.0591	0.0051	82	0.0591	0.0055	84	0.0590	0.0060
La	50	96.7	11.4	115	89	7.3	135	90	8
La	85 (Gr5)	86.68	5.73	---	---	---	---	---	---
Ce	114	159.5	11.1	103	159.3	11.5	113	160	10
Pr	24	17.83	2.65	24	17.83	2.65	23	18	2
Nd	76	55.0	5.2	85	54.8	6.1	85	55	6
Sm	19	7.91	1.54	85	7.088	0.301	102	7.2	0.7
Sm	73 (Gr5)	7.066	0.316	---	---	---	---	---	---
Eu	93	1.386	0.097	100	1.386	0.11	106	1.4	0.12
Gd	49	4.30	0.82	50	4.3	0.82	51	4.3	0.8
Tb	73 (Gr5)	0.488	0.095	79	0.488	0.093	75	0.479	0.076
Dy	32	2.390	0.286	38	2.376	0.33	38	2.38	0.33
Ho	22	0.431	0.111	24	0.432	0.107	22	0.395	0.059
Er	16	1.121	0.275	17	1.082	0.238	19	1.14	0.29
Tm	17 (Gr5)	0.268	0.144	20	0.188	0.09	20	0.182	0.079
Yb	87	0.763	0.120	92	0.777	0.139	98	0.80	0.17
Lu	72	0.1072	0.0183	82	0.1111	0.0262	76	.108	.020
B	13	2.215	0.398	15	2.216	0.371	15	2.2	0.4
Ba	129	1845	141	133	1845	152	135	1840	150
Be	32	2.47	0.57	32	2.446	0.428	30	2.5	0.4
Co	89	4.63	0.47	101	4.65	0.63	120	5.0	1.2
Cr	92	8.43	1.80	102	8.66	2.01	106	8.7	2.2
Cs	61	1.352	0.142	61	1.33	0.146	65	1.34	0.16
Cu	97	10.63	2.48	104	10.98	2.75	105	11	3
Ga	58	22.72	4.23	59	22.77	4.21	56	23	4

Table 17. Statistical synthesis of major and trace element composition of reference material granite G-2. The columns identified by ANOVA test show the results of this work whereas the columns marked t test and literature are from Verma and Cruz-Huicochea (2013) and Gladney *et al.* (1992), respectively. The numbers in parenthesis in the second column (n in the ANOVA test) refer to the method groups from which the data showed significant differences as compared to the other method groups.

Tabla 17. Síntesis estadística de la composición de elementos mayores y traza en un material de referencia granito G-2. Las columnas identificadas por la prueba ANOVA muestran los resultados de este trabajo, mientras que las columnas marcadas con t test y literatura son de Verma and Cruz-Huicochea (2013) and Gladney *et al.* (1992), respectivamente. Los números en paréntesis en la segunda columna (n en ANOVA test) se refiere a el grupo del método que muestra diferencias significativas comparado con los otros grupos de métodos.

Element (μg/g)	ANOVA test			t test			Literature		
	n	mean	Standard deviation	n	mean	Standard deviation	n	mean	Standard deviation
Hf	51 (Gr5)	7.93	0.89	57	7.92	0.94	52	7.95	0.69
Li	48	34.2	6.1	49	34.1	6.1	50	34	6
Nb	44	12.33	4.26	45	12.23	4.26	40	12	3
Ni	73	4.60	2.29	78	4.71	2.37	83	5.0	2.8
Pb	86	29.58	4.13	92	30.3	4.29	90	30	4
Rb	140	169.7	8.1	149	170.2	9.4	153	170	10
Sb	19 (Gr5)	70.1	20.0	21	72	22	21	72	22
Sc	23	3.667	0.288	66	3.477	0.271	85	3.6	0.4
Sc	53 (Gr5)	3.455	0.283	---	---	---	---	---	---
Sr	143	470.9	27.4	152	471.3	32.7	155	473	34
Ta	46 (Gr5)	0.869	0.097	52	0.877	0.125	48	0.88	0.10
Th	25	24.28	1.75	99	24.8	1.78	101	24.7	1.8
Th	72 (Gr5)	24.54	1.59	---	---	---	---	---	---
U	65	2.013	0.146	67	2.019	0.155	68	2.03	0.16
V	76	35.5	6.4	82	35.5	6.3	75	36	4
Y	44	11.10	2.13	47	11.05	2.32	47	11.3	2.2
Zn	95	85.1	7.5	100	85.8	8.1	100	86	8
Zr	86	310.5	32.0	93	307.7	31	98	309	35
Ag	16	0.0406	0.0137	16	0.0406	0.0137	16	0.040	0.014
As	16	0.460	0.339	15	0.415	0.281	12	0.26	0.09
Cd	20	0.0286	0.0145	17	0.0308	0.0147	19	0.027	0.013
Cl	21	66.1	20.7	19	87.4	35.4	24	69	24
F	27	1255.3	41.9	34	1279	66	37	1280	80
Ge	13	1.012	0.224	13	1.012	0.224	15	1.10	0.32
Hg	31	0.0523	0.0150	31	0.0523	0.015	30	0.051	0.014
Mo	14	0.82	0.49	16	0.96	0.6	14	1.1	0.5
S	15	82.5	31.6	15	82.5	31.6	17	103	59
Sn	22	1.88	0.80	11	1.93	0.9	23	1.8	0.8
Tl	24	0.907	0.144	24	0.907	0.144	25	0.91	0.14
W	8	0.133	0.065	8	0.133	0.065	10	0.190	0.140

Table 17 (Cont.)**.** Statistical synthesis of major and trace element composition of reference material granite G-2. The columns identified by ANOVA test show the results of this work whereas the columns marked t test and literature are from Verma and Cruz-Huicochea (2013) and Gladney *et al.* (1992), respectively. The numbers in parenthesis in the second column (n in the ANOVA test) refer to the method groups from which the data showed significant differences as compared to the other method groups.

Tabla 17 (Cont.)**.** Síntesis estadística de la composición de elementos mayores y traza en un material de referencia granito G-2. Las columnas identificadas por la prueba ANOVA muestran los resultados de este trabajo, mientras que las columnas marcadas con t test y literatura son de Verma and Cruz-Huicochea (2013) and Gladney *et al.* (1992), respectivamente. Los números en paréntesis en la segunda columna (n en ANOVA test) se refiere a el grupo del método que muestra diferencias significativas comparado con los otros grupos de métodos.

Element (% or μg.g^{-1})	Total no. of groups	ν_1	ν_2	F_{calc}	F_{crit}	H_0	Regions without significant differences	Regions with significant differences
$(SiO_2)_{adj}$	5	2	26	5.9094652	6.54387	T	Rg3, Rg4, Rg5	Rg6, Rg8
$(TiO_2)_{adj}$	5	2	25	3.3848443	6.59793	T	Rg6, Rg5, Rg3	Rg4, Rg8
$(Al_2O_3)_{adj}$	5	4	50	0.4895344	4.23127	T	Rg3, Rg4, Rg5, Rg6, Rg8	---
$(Fe_2O_3^t)_{adj}$	5	3	31	4.4738828	5.207834	T	Rg3, Rg6, Rg4, Rg5	Rg8
$(MnO)_{adj}$	5	4	50	1.3506536	4.23127	T	Rg3, Rg4, Rg5, Rg6, Rg8	---
$(MgO)_{adj}$	5	3	31	2.1147226	5.207834	T	Rg4, Rg5, Rg6, Rg3	Rg8
$(CaO)_{adj}$	5	2	31	3.9686987	6.321436	T	Rg4, Rg5, Rg8	Rg3, Rg6
$(Na_2O)_{adj}$	5	3	36	4.0925390	5.063222	T	Rg4, Rg8, Rg5, Rg6	Rg3
$(K_2O)_{adj}$	5	2	30	1.6061396	6.35492	T	Rg6, Rg8, Rg5	Rg4, Rg3
$(P_2O_5)_{adj}$	5	3	44	1.4672581	4.909398	T	Rg3, Rg6, Rg5, Rg8	Rg4
Mg#	5	3	31	3.4751844	5.207834	T	Rg4, Rg6, Rg3, Rg5	Rg8
T_{alk}	5	2	30	1.7150162	6.35492	T	Rg8, Rg6, Rg5	Rg4, Rg3
FeO^t/Mg	5	3	31	3.3534368	5.207834	T	Rg4, Rg6, Rg3, Rg5	Rg8
Salic	5	4	50	3.3097620	4.23127	T	Rg3, Rg4, Rg5, Rg6, Rg8	---
Femic	5	4	50	2.5405023	4.23127	T	Rg3, Rg4, Rg5, Rg6, Rg8	---
C.I.	5	3	44	4.5256917	4.909398	T	Rg6, Rg3, Rg5, Rg8	Rg4
D.I.	5	2	30	4.4967316	6.35492	T	Rg5, Rg8, Rg6	Rg4, Rg3
S.I.	5	2	25	0.8485306	6.59793	T	Rg6, Rg5, Rg3	Rg4, Rg8
A.R.	5	2	30	2.0060298	6.35492	T	Rg6, Rg8, Rg5	Rg4, Rg3
La	5	3	17	2.5652640	6.15427	T	Rg5, Rg3, Rg6, Rg8	Rg4
Ce	5	3	17	1.5387868	6.15427	T	Rg5, Rg8, Rg6, Rg3	Rg4
Pr	3	2	3	38.8007263	49.8425	T	Rg3, Rg5, Rg8	---
Nd	5	3	15	0.6088655	6.47813	T	Rg5, Rg6, Rg8, Rg3	Rg4
Sm	5	3	15	0.1496002	6.47813	T	Rg5, Rg6, Rg8, Rg3	Rg4
Eu	5	3	15	0.2863556	6.47813	T	Rg6, Rg5, Rg8, Rg3	Rg4
Gd	5	3	6	2.1857935	12.9179	T	Rg6, Rg3, Rg8, Rg5	Rg4
Tb	5	3	15	0.2069603	6.47813	T	Rg8, Rg5, Rg6, Rg3	Rg4
Dy	3	2	8	1.4429715	11.04176	T	Rg3, Rg5, Rg8	---
Ho	4	3	7	0.9237094	10.88584	T	Rg3, Rg5, Rg6, Rg8	---
Er	3	2	3	5.7973497	49.8425	T	Rg3, Rg5, Rg8	---
Tm	5	4	8	7.8492729	8.80576	T	Rg3, Rg4, Rg5, Rg6, Rg8	---
Yb	5	3	8	3.3706599	9.5941	T	Rg4, Rg3, Rg5, Rg6	Rg8
Lu	5	4	17	3.4172433	5.49504	T	Rg3, Rg4, Rg5, Rg6, Rg8	---
Ba	5	3	37	3.8895587	5.041594	T	Rg3, Rg4, Rg8, Rg5	Rg6
Co	5	4	36	1.7731495	4.455956	T	Rg3, Rg4, Rg5, Rg6, Rg8	---
Cr	5	3	27	2.0433080	5.36277	T	Rg4, Rg3, Rg6, Rg5	Rg8
Cs	4	3	13	4.5039924	6.92813	T	Rg4, Rg5, Rg6, Rg8	---
Cu	3	2	28	2.2949423	6.44191	T	Rg3, Rg6, Rg8	---
Ga	3	2	15	7.3177473	7.70293	T	Rg3, Rg4, Rg6	---
Hf	5	3	13	1.0272049	6.92813	T	Rg6, Rg3, Rg8, Rg5	Rg4
Nb	5	3	26	5.1575514	5.40999	T	Rg4, Rg8, Rg6, Rg5	Rg3
Ni	5	3	26	0.8169635	5.40999	T	Rg4, Rg3, Rg6, Rg5	Rg8
Pb	4	3	18	1.8597215	6.02968	T	Rg3, Rg4, Rg6, Rg8	---
Rb	5	3	32	3.1019034	5.177088	T	Rg3, Rg5, Rg6, Rg8	Rg4
Sc	3	2	13	11.8574071	8.18335	F	---	Rg4, Rg6, Rg8
Sr	5	4	39	1.2058937	4.393094	T	Rg3, Rg4, Rg5, Rg6, Rg8	---
Ta	4	2	12	2.2010233	8.5111	T	Rg8, Rg6, Rg5	Rg4

Table 18. Results of successive application of ANOVA test at 99% confidence level to ultrabasic rocks from five different regions of the Eastern Alkaline Province (EAP) of Mexico and U.S.A., without the application of DODESSYS.

Tabla 18. Resultados de la aplicación sucesiva de la prueba ANOVA al nivel de confianza de 99% a rocas ultrabásicas de cinco regiones diferentes de la Provincia Alcalina Oriental de México y E.U.A., sin la aplicación de DODESSYS.

Element (μg/g or no units)	Total no. of groups	ν_1	ν_2	F_{calc}	F_{crit}	H_0	Regions without significant differences	Regions with significant differences
Th	4	3	18	1.6270994	6.02968	T	Rg4, Rg5, Rg6, Rg8	---
U	4	3	14	5.7381278	6.68269	T	Rg4, Rg5, Rg6, Rg8	---
V	3	2	17	6.1639494	7.35357	T	Rg3, Rg4, Rg8	---
Y	5	4	38	2.5688566	4.414048	T	Rg3, Rg4, Rg5, Rg6, Rg8	---
Zn	4	3	31	3.4082282	5.207834	T	Rg3, Rg4, Rg6, Rg8	---
Zr	5	2	19	1.7806781	7.093	T	Rg6, Rg8, Rg5	Rg4, Rg3
$(LILE5)_{NOE}$	4	2	12	0.3870381	8.5111	T	Rg5, Rg6, Rg8	Rg4
$(LILE4)_{NOE1}$	5	3	31	1.6485612	5.207834	T	Rg3, Rg5, Rg8, Rg6	Rg4
$(LILE3)_{NOE1}$	4	2	12	1.9809392	8.5111	T	Rg5, Rg6, Rg8	Rg4
$(LILE3)_{NOE2}$	5	3	31	1.3478735	5.207834	T	Rg3, Rg5, Rg8, Rg6	Rg4
$(LILE3)_{NOE3}$	5	3	31	2.3745636	5.207834	T	Rg3, Rg6, Rg5, Rg8	Rg4
$(LREE4)_{NOE}$	3	2	3	25.2153460	49.8425	T	Rg3, Rg5, Rg8	---
$(LREE3)_{NOE1}$	5	3	15	2.1775632	6.47813	T	Rg5, Rg6, Rg3, Rg8	Rg4
$(HREE3)_{NOE1}$	3	2	3	6.3882951	49.8425	T	Rg3, Rg5, Rg8	---
$(HFSE6)_{NOE}$	4	2	12	1.9021983	8.5111	T	Rg8, Rg6, Rg5	Rg4
$(HFSE5)_{NOE1}$	4	2	12	1.3511835	8.5111	T	Rg6, Rg8, Rg5	Rg4
$(HFSE5)_{NOE2}$	4	2	12	1.8726374	8.5111	T	Rg8, Rg6, Rg5	Rg4
$(HFSE4)_{NOE1}$	5	3	13	1.4895288	6.92813	T	Rg6, Rg8, Rg5, Rg3	Rg4
$(HFSE4)_{NOE2}$	4	2	12	1.4766819	8.5111	T	Rg6, Rg8, Rg5	Rg4
$(HFSE4)_{NOE3}$	5	3	33	3.5296158	5.146342	T	Rg3, Rg8, Rg6, Rg5	Rg4
$(HFSE3)_{NOE1}$	5	3	33	1.9642986	5.146342	T	Rg3, Rg6, Rg8, Rg5	Rg4
$(HFSE3)_{NOE2}$	4	2	12	1.4226652	8.5111	T	Rg6, Rg8, Rg5	Rg4
$(HFSE3)_{NOE3}$	4	2	12	1.8943545	8.5111	T	Rg6, Rg8, Rg5	Rg4
LILE4/LREE4	3	2	3	4.1654824	49.8425	T	Rg3, Rg5, Rg8	---
LILE4/LREE3	5	4	17	4.2833205	5.49504	T	Rg3, Rg4, Rg5, Rg6, Rg8	---
LILE4/HREE3a	3	2	3	46.5792590	49.8425	T	Rg3, Rg5, Rg8	---
LILE5/HFSE6	4	2	12	7.9740172	8.5111	T	Rg8, Rg5, Rg6	Rg4
LILE5/HFSE5a	4	3	13	6.3019870	6.92813	T	Rg4, Rg5, Rg6, Rg8	---
LILE5/HFSE5b	4	2	12	7.2405554	8.5111	T	Rg8, Rg5, Rg6	Rg4
LILE4/HFSE4a	5	3	14	5.4377088	6.68269	T	Rg4, Rg5, Rg6, Rg8	Rg3
LILE4/HFSE4b	4	3	13	5.3496704	6.92813	T	Rg4, Rg5, Rg6, Rg8	---
LILE4/HFSE4c	5	4	37	3.4837176	4.435002	T	Rg3, Rg4, Rg5, Rg6, Rg8	---
LILE4/HFSE3a	5	4	37	2.9842661	4.435002	T	Rg3, Rg4, Rg5, Rg6, Rg8	---
LREE3/HFSE5a	4	2	6	1.3030327	14.5538	T	Rg5, Rg4, Rg6	Rg8
LREE3/HFSE4a	5	4	14	2.3643977	5.99901	T	Rg3, Rg4, Rg5, Rg6, Rg8	---
La/Sm	5	3	8	6.1810782	9.5941	T	Rg3, Rg6, Rg4, Rg5	Rg8
La/Yb	5	4	17	2.7992690	5.49504	T	Rg3, Rg4, Rg5, Rg6, Rg8	---
Ba/Nb	5	4	40	2.6972221	4.37214	T	Rg3, Rg4, Rg5, Rg6, Rg8	---
Nb/Nb*	5	4	22	3.4017479	5.01969	T	Rg3, Rg4, Rg5, Rg6, Rg8	---

Table 18 (Cont.)**.** Results of successive application of ANOVA test at 99% confidence level to ultrabasic rocks from five different regions of the Eastern Alkaline Province (EAP) of Mexico and U.S.A., without the application of DODESSYS.

Tabla 18 (Cont.)**.** Resultados de la aplicación sucesiva de la prueba ANOVA al nivel de confianza de 99% a rocas ultrabásicas de cinco regiones diferentes de la Provincia Alcalina Oriental de México y E.U.A., sin la aplicación de DODESSYS.

Element (% or $\mu g.g^{-1}$)	Total no. of groups	ν_1	ν_2	F_{calc}	F_{crit}	H_0	Regions without significant differences	Regions with significant differences
$(SiO_2)_{adj}$	5	2	26	5.9094652	6.54387	T	Rg3, Rg4, Rg5	Rg6, Rg8
$(TiO_2)_{adj}$	5	2	25	3.3848443	6.59793	T	Rg6, Rg5, Rg3	Rg4, Rg8
$(Al_2O_3)_{adj}$	5	4	49	1.3121755	4.244124	T	Rg3, Rg4, Rg5, Rg6, Rg8	---
$(Fe_2O_3^t)_{adj}$	5	2	25	1.6748020	6.59793	T	Rg3, Rg4, Rg5	Rg6, Rg8
$(MnO)_{adj}$	5	4	47	1.7598716	4.269832	T	Rg3, Rg4, Rg5, Rg6, Rg8	---
$(MgO)_{adj}$	5	3	30	1.1009139	5.23858	T	Rg4, Rg5, Rg6, Rg3	Rg8
$(CaO)_{adj}$	5	2	30	2.7468264	6.35492	T	Rg4, Rg5, Rg8	Rg3, Rg6
$(Na_2O)_{adj}$	5	2	28	1.5885103	6.44191	T	Rg5, Rg6, Rg8	Rg3, Rg4
$(K_2O)_{adj}$	5	2	30	1.6061396	6.35492	T	Rg6, Rg8, Rg5	Rg4, Rg3
$(P_2O_5)_{adj}$	5	3	42	1.1181243	4.943054	T	Rg3, Rg6, Rg8, Rg5	Rg4
Mg#	5	3	29	2.9227780	5.2785	T	Rg4, Rg3, Rg6, Rg5	Rg8
T_{alk}	5	2	29	2.7887559	6.3966	T	Rg5, Rg6, Rg8	Rg3, Rg4
FeO^t/Mg	5	3	29	2.6200352	5.2785	T	Rg4, Rg6, Rg3, Rg5	Rg8
Salic	5	4	50	3.3097620	4.23127	T	Rg3, Rg4, Rg5, Rg6, Rg8	---
Femic	5	4	45	2.8737962	4.29554	T	Rg3, Rg4, Rg5, Rg6, Rg8	---
C.I.	5	3	41	4.9167861	4.959882	T	Rg5, Rg6, Rg3, Rg8	Rg4
D.I.	5	2	30	4.4967316	6.35492	T	Rg5, Rg8, Rg6	Rg3, Rg4
S.I.	5	3	29	4.1874519	5.2785	T	Rg4, Rg6, Rg5, Rg3	Rg8
A.R.	5	2	29	4.4175320	6.3966	T	Rg6, Rg8, Rg5	Rg4, Rg3
La	5	3	17	2.5652640	6.15427	T	Rg5, Rg6, Rg3, Rg8	Rg4
Ce	5	3	17	1.5387868	6.15427	T	Rg5, Rg8, Rg6, Rg3	Rg4
Pr	3	2	3	38.8007263	49.8425	T	Rg3, Rg5, Rg8	---
Nd	5	3	15	0.6088655	6.47813	T	Rg5, Rg6, Rg8, Rg3	Rg4
Sm	5	3	15	0.1496002	6.47813	T	Rg5, Rg6, Rg8, Rg3	Rg4
Eu	5	3	15	0.2863556	6.47813	T	Rg6, Rg5, Rg8, Rg3	Rg4
Gd	5	3	6	2.1857935	12.9179	T	Rg6, Rg3, Rg8, Rg5	Rg4
Tb	5	3	15	0.2069603	6.47813	T	Rg8, Rg5, Rg6, Rg3	Rg4
Dy	3	2	8	1.4429715	11.04176	T	Rg3, Rg5, Rg8	---
Ho	4	3	6	0.8798634	12.9179	T	Rg3, Rg5, Rg6, Rg8	---
Er	3	2	3	5.7973497	49.8425	T	Rg3, Rg5, Rg8	---
Tm	5	4	8	7.8492729	8.80576	T	Rg3, Rg4, Rg5, Rg6, Rg8	---
Yb	5	3	8	3.3706599	9.5941	T	Rg4, Rg3, Rg5, Rg6	Rg8
Lu	5	4	16	3.4481345	5.63634	T	Rg3, Rg4, Rg5, Rg6, Rg8	---
Ba	5	2	13	3.7956871	8.18335	T	Rg6, Rg4, Rg5	Rg3, Rg8
Co	5	4	33	1.5642956	4.536046	T	Rg3, Rg4, Rg5, Rg6, Rg8	---
Cr	5	3	24	4.9173463	5.51817	T	Rg4, Rg3, Rg6, Rg5	Rg8
Cs	4	3	13	4.5039924	6.92813	T	Rg4, Rg5, Rg6, Rg8	---
Cu	3	2	24	1.0404254	6.66332	T	Rg3, Rg6, Rg8	---
Ga	3	2	15	7.3177473	7.70293	T	Rg3, Rg4, Rg6	---
Hf	5	3	13	1.0272049	6.92813	T	Rg6, Rg3, Rg8, Rg5	Rg4
Nb	5	3	33	4.9394723	5.146342	T	Rg3, Rg8, Rg6, Rg5	Rg4
Ni	5	3	25	0.8891368	5.46102	T	Rg4, Rg3, Rg6, Rg5	Rg8
Pb	4	3	14	5.6515442	6.68269	T	Rg3, Rg4, Rg6, Rg8	---
Rb	5	2	19	0.0213133	7.093	T	Rg6, Rg5, Rg8	Rg4, Rg3
Sc	3	2	12	39.1922521	8.5111	F	---	Rg4, Rg6, Rg8
Sr	5	4	36	1.6579131	4.455956	T	Rg3, Rg4, Rg5, Rg6, Rg8	---

Table 19. Results of successive application of ANOVA test at 99% confidence level to ultrabasic rocks from five different regions of the Eastern Alkaline Province (EAP) of Mexico and U.S.A., based on normally distributed data separated by DODESSYS.

Tabla 19. Resultados de la aplicación sucesiva de la prueba ANOVA al nivel de confianza de 99% a rocas ultrabásicas de cinco regiones diferentes de la Provincia Alcalina Oriental de México y E.U.A., basado en los datos normalmente distribuidos separados mediante DODESSYS.

Element ($\mu g.g^{-1}$ or no units)	Total no. of groups	ν_1	ν_2	F_{calc}	F_{crit}	H_0	Regions without significant differences	Regions with significant differences
Ta	4	2	11	2.9129390	8.91467	T	Rg6, Rg8, Rg5	Rg4
Th	4	3	18	1.6270994	6.02968	T	Rg4, Rg5, Rg6, Rg8	---
U	4	3	14	5.7381278	6.68269	T	Rg4, Rg5, Rg6, Rg8	---
V	3	2	17	6.1639494	7.35357	T	Rg3, Rg4, Rg8	---
Y	5	4	35	3.1098788	4.47691	T	Rg3, Rg4, Rg5, Rg6, Rg8	---
Zn	4	2	28	1.7420860	6.44191	T	Rg6, Rg8, Rg3	Rg4
Zr	5	2	16	2.6812334	7.51425	T	Rg6, Rg8, Rg5	Rg4, Rg3
$(LILE5)_{NOE}$	4	2	12	0.3870381	8.5111	T	Rg5, Rg6, Rg8	Rg4
$(LILE4)_{NOE1}$	5	2	17	3.1741777	7.35357	T	Rg8, Rg5, Rg6	Rg4, Rg3
$(LILE3)_{NOE1}$	4	2	12	1.9809392	8.5111	T	Rg5, Rg6, Rg8	Rg4
$(LILE3)_{NOE2}$	5	2	17	4.4240312	7.35357	T	Rg6, Rg8, Rg5	Rg4, Rg3
$(LILE3)_{NOE3}$	5	2	19	0.4644501	7.093	T	Rg6, Rg5, Rg8	Rg4, Rg3
$(LREE4)_{NOE}$	3	2	3	25.2153460	49.8425	T	Rg3, Rg5, Rg8	---
$(LREE3)_{NOE1}$	5	3	15	2.1775632	6.47813	T	Rg5, Rg6, Rg3, Rg8	Rg4
$(HREE3)_{NOE1}$	3	2	3	6.3882951	49.8425	T	Rg3, Rg5, Rg8	---
$(HFSE6)_{NOE}$	4	2	12	1.9021983	8.5111	T	Rg8, Rg6, Rg5	Rg4
$(HFSE5)_{NOE1}$	4	2	12	1.3511835	8.5111	T	Rg6, Rg8, Rg5	Rg4
$(HFSE5)_{NOE2}$	4	2	12	1.8726374	8.5111	T	Rg8, Rg6, Rg5	Rg4
$(HFSE4)_{NOE1}$	5	3	13	1.4895288	6.92813	T	Rg6, Rg8, Rg5, Rg3	Rg4
$(HFSE4)_{NOE2}$	4	2	12	1.4766819	8.5111	T	Rg6, Rg8, Rg5	Rg4
$(HFSE4)_{NOE3}$	5	3	33	3.5296158	5.146342	T	Rg3, Rg8, Rg6, Rg5	Rg4
$(HFSE3)_{NOE1}$	5	3	33	1.9642986	5.146342	T	Rg3, Rg6, Rg8, Rg5	Rg4
$(HFSE3)_{NOE2}$	4	2	11	1.8786873	8.91467	T	Rg6, Rg8, Rg5	Rg4
$(HFSE3)_{NOE3}$	4	2	12	1.8943545	8.5111	T	Rg6, Rg8, Rg5	Rg4
LILE4/LREE4	3	2	3	4.1654824	49.8425	T	Rg3, Rg5, Rg8	---
LILE4/LREE3	5	4	17	4.2833205	5.49504	T	Rg3, Rg4, Rg5, Rg6, Rg8	---
LILE4/HREE3a	3	2	3	46.5792590	49.8425	T	Rg3, Rg5, Rg8	---
LILE5/HFSE6	4	2	12	7.9740172	8.5111	T	Rg8, Rg5, Rg6	Rg4
LILE5/HFSE5a	4	3	13	6.3019870	6.92813	T	Rg4, Rg5, Rg6, Rg8	---
LILE5/HFSE5b	4	2	12	7.2405554	8.5111	T	Rg8, Rg5, Rg6	Rg4
LILE4/HFSE4a	5	3	13	3.6863861	6.92813	T	Rg4, Rg5, Rg8, Rg6	Rg3
LILE4/HFSE4b	4	3	12	4.2438768	7.2262	T	Rg4, Rg5, Rg6, Rg8	---
LILE4/HFSE4c	5	4	36	2.6913515	4.455956	T	Rg3, Rg4, Rg5, Rg6, Rg8	---
LILE4/HFSE3a	5	4	36	3.6704940	4.455956	T	Rg3, Rg4, Rg5, Rg6, Rg8	---
LREE3/HFSE5a	4	2	6	1.3030327	14.5538	T	Rg5, Rg4, Rg6	Rg8
LREE3/HFSE4a	5	4	14	2.3643977	5.99901	T	Rg3, Rg4, Rg5, Rg6, Rg8	---
La/Sm	5	3	15	6.0326444	6.47813	T	Rg6, Rg4, Rg5, Rg8	Rg3
La/Yb	5	4	16	2.2637171	5.63634	T	Rg3, Rg4, Rg5, Rg6, Rg8	---
Ba/Nb	5	3	30	4.1445928	5.23858	T	Rg3, Rg5, Rg6, Rg8	Rg4
Nb/Nb*	5	2	12	3.5346397	8.5111	T	Rg3, Rg8, Rg6	Rg4, Rg5

Table 19 (Cont.)**.** Results of successive application of ANOVA test at 99% confidence level to ultrabasic rocks from five different regions of the Eastern Alkaline Province (EAP) of Mexico and U.S.A., based on normally distributed data separated by DODESSYS.

Tabla 19 (Cont.). Resultados de la aplicación sucesiva de la prueba ANOVA al nivel de confianza de 99% a rocas ultrabásicas de cinco regiones diferentes de la Provincia Alcalina Oriental de México y E.U.A., basado en los datos normalmente distribuidos separados mediante DODESSYS.

Element (% or μg.g^{-1})	Total no. of groups	ν_1	ν_2	F_{calc}	F_{crit}	H_0	Regions without significant differences	Regions with significant differences
$(SiO_2)_{adj}$	6	3	123	0.3182251	4.490486	T	Rg5, Rg2, Rg4, Rg3	Rg8, Rg6
$(TiO_2)_{adj}$	6	2	211	3.5084410	5.4333238	T	Rg6, Rg2, Rg3	Rg8, Rg5, Rg4
$(Al_2O_3)_{adj}$	6	4	291	2.5055646	3.7986352	T	Rg2, Rg5, Rg6, Rg4, Rg3	Rg8
$(Fe_2O_3^t)_{adj}$	6	3	265	0.7700892	4.376349	T	Rg3, Rg8, Rg6, Rg2	Rg5, Rg4
$(MnO)_{adj}$	6	5	345	1.1317928	3.418573	T	Rg2, Rg3, Rg4, Rg5, Rg6, Rg8	---
$(MgO)_{adj}$	6	3	123	4.0651165	4.490486	T	Rg2, Rg5, Rg4, Rg3	Rg8, Rg6
$(CaO)_{adj}$	6	2	227	2.0156711	5.4236566	T	Rg4, Rg6, Rg2	Rg5, Rg3, Rg8
$(Na_2O)_{adj}$	6	2	87	5.3734434	5.63542	T	Rg2, Rg3, Rg4	Rg8, Rg5, Rg6
$(K_2O)_{adj}$	6	3	276	3.2532828	4.3734956	T	Rg3, Rg4, Rg6, Rg5	Rg2, Rg8
$(P_2O_5)_{adj}$	6	2	250	2.9095318	5.40976	T	Rg3, Rg8, Rg6	Rg2, Rg5, Rg4
Mg#	6	2	95	2.1043672	5.60395	T	Rg5, Rg2, Rg4	Rg8, Rg3, Rg6
T_{alk}	6	2	108	5.1441817	5.568172	T	Rg3, Rg4, Rg5	Rg8, Rg2, Rg6
FeO^t/Mg	6	2	87	5.4115906	5.63542	T	Rg2, Rg4, Rg3	Rg8, Rg5, Rg6
Salic	6	3	123	4.2746313	4.490486	T	Rg5, Rg3, Rg2, Rg4	Rg8, Rg6
Femic	6	4	291	3.6999906	3.7986352	T	Rg2, Rg5, Rg4, Rg6, Rg3	Rg8
C.I.	6	2	95	3.1807095	5.60395	T	Rg5, Rg2, Rg4	Rg8, Rg3, Rg6
D.I.	6	2	95	0.7102881	5.60395	T	Rg2, Rg5, Rg4	Rg8, Rg3, Rg6
S.I.	6	2	95	1.8156221	5.60395	T	Rg2, Rg5, Rg4	Rg8, Rg3, Rg6
A.R.	6	3	123	2.7983828	4.490486	T	Rg2, Rg3, Rg4, Rg5	Rg8, Rg6
La	6	4	89	2.2291829	3.999108	T	Rg2, Rg8, Rg3, Rg5, Rg4	Rg6
Ce	6	5	192	2.2918898	3.47351	T	Rg2, Rg3, Rg4, Rg5, Rg6, Rg8	---
Pr	4	3	53	0.1924130	4.795002	T	Rg3, Rg4, Rg5, Rg6	---
Nd	6	5	138	1.9627292	3.521112	T	Rg2, Rg3, Rg4, Rg5, Rg6, Rg8	---
Sm	6	5	138	2.8542489	3.521112	T	Rg2, Rg3, Rg4, Rg5, Rg6, Rg8	---
Eu	6	5	138	3.2195820	3.521112	T	Rg2, Rg3, Rg4, Rg5, Rg6, Rg8	---
Gd	4	3	101	2.2091802	4.541239	T	Rg2, Rg4, Rg5, Rg6	---
Tb	6	4	125	3.0962644	3.91302	T	Rg2, Rg5, Rg3, Rg4, Rg6	Rg8
Dy	5	3	59	3.9740852	4.73563	T	Rg5, Rg6, Rg4, Rg3	Rg8
Ho	5	3	104	4.3542442	4.533046	T	Rg4, Rg3, Rg5, Rg6	Rg2
Er	4	3	53	4.6422741	4.795002	T	Rg3, Rg4, Rg5, Rg6	---
Tm	5	4	97	2.6054311	3.973552	T	Rg2, Rg3, Rg4, Rg5, Rg6	---
Yb	6	3	29	4.3152905	5.2785	T	Rg8, Rg3, Rg2, Rg4	Rg5, Rg6
Lu	6	4	127	2.5207641	3.90934	T	Rg3, Rg5, Rg2, Rg6, Rg4	Rg8
Ba	6	4	268	1.9401132	3.8065196	T	Rg4, Rg5, Rg2, Rg6, Rg3	Rg8
Co	5	2	201	1.9900392	5.4393658	T	Rg5, Rg6, Rg3	Rg8, Rg4
Cr	6	3	104	3.1977476	4.533046	T	Rg2, Rg5, Rg4, Rg3	Rg8, Rg6
Cs	5	3	116	0.5511369	4.504246	T	Rg4, Rg6, Rg5, Rg8	Rg2
Cu	5	3	144	3.7603022	4.459382	T	Rg4, Rg2, Rg3, Rg6	Rg8
Ga	5	4	105	0.9663807	3.953585	T	Rg2, Rg3, Rg4, Rg5, Rg6	---
Hf	5	2	104	5.3922703	5.577156	T	Rg8, Rg2, Rg6	Rg4, Rg5
Nb	6	3	112	2.5298957	4.512522	T	Rg4, Rg2, Rg3, Rg5	Rg8, Rg6
Ni	6	3	230	3.6958034	4.392296	T	Rg2, Rg3, Rg4, Rg6	Rg8, Rg5
Pb	6	3	168	3.3995315	4.434302	T	Rg3, Rg5, Rg6, Rg2	Rg8, Rg4
Rb	6	4	283	1.4651237	3.8013776	T	Rg5, Rg8, Rg3, Rg4, Rg6	Rg2
Sc	5	2	59	0.4858075	5.801506	T	Rg4, Rg2, Rg5	Rg8, Rg6
Sr	6	4	265	1.5310099	3.807548	T	Rg8, Rg6, Rg2, Rg5, Rg4	Rg3
Ta	5	2	96	5.0638966	5.600388	T	Rg8, Rg6, Rg4	Rg2, Rg5
Th	6	4	203	3.4534185	3.836331	T	Rg5, Rg4, Rg6, Rg2, Rg8	Rg3

Table 20. Results of successive application of ANOVA test at 99% confidence level to basic rocks from six different regions of the Eastern Alkaline Province (EAP) of Mexico and U.S.A., without the application of DODESSYS.

Tabla 20. Resultados de la aplicación sucesiva de la prueba ANOVA al nivel de confianza de 99% a rocas basicas de seis regiones diferentes de la Provincia Alcalina Oriental de México y E.U.A., sin la aplicación de DODESSYS.

Element (% or $\mu g.g^{-1}$)	Total no. of groups	ν_1	ν_2	F_{calc}	F_{crit}	H_0	Regions without significant differences	Regions with significant differences
U	5	2	119	2.0888236	5.540658	T	Rg5, Rg6, Rg2	Rg4, Rg8
V	4	3	108	16.6127139	4.522122	F	---	Rg3, Rg4, Rg6, Rg8
Y	6	3	227	1.8223025	4.3941044	T	Rg5, Rg2, Rg6, Rg4	Rg3, Rg8
Zn	6	5	223	2.9137267	3.4556812	T	Rg2, Rg3, Rg4, Rg5, Rg6, Rg8	---
Zr	6	2	82	0.9364908	5.656634	T	Rg4, Rg5, Rg2	Rg3, Rg8, Rg6
$(LILE5)_{NOE}$	5	3	116	0.3185244	4.504246	T	Rg4, Rg8, Rg5, Rg6	Rg2
$(LILE4)_{NOE1}$	6	4	274	2.9683244	3.8044628	T	Rg8, Rg5, Rg4, Rg6, Rg3	Rg2
$(LILE3)_{NOE1}$	5	3	116	0.5777748	4.504246	T	Rg4, Rg8, Rg6, Rg5	Rg2
$(LILE3)_{NOE2}$	6	4	274	3.0538687	3.8044628	T	Rg8, Rg5, Rg4, Rg3, Rg6	Rg2
$(LILE3)_{NOE3}$	6	4	274	1.4721423	3.8044628	T	Rg8, Rg5, Rg6, Rg3, Rg4	Rg2
$(LREE4)_{NOE}$	4	3	53	0.3366908	4.795002	T	Rg3, Rg4, Rg5, Rg6	---
$(LREE3)_{NOE1}$	6	5	138	2.0177933	3.521112	T	Rg2, Rg3, Rg4, Rg5, Rg6, Rg8	---
$(HREE3)_{NOE1}$	4	2	52	4.5641197	5.87715	T	Rg5, Rg6, Rg3	Rg4
$(HFSE6)_{NOE}$	5	2	96	3.8361520	5.600388	T	Rg8, Rg6, Rg4	Rg2, Rg5
$(HFSE5)_{NOE1}$	5	2	37	1.3846856	6.13942	T	Rg2, Rg5, Rg4	Rg8, Rg6
$(HFSE5)_{NOE2}$	5	2	96	3.5568140	5.600388	T	Rg8, Rg6, Rg4	Rg2, Rg5
$(HFSE4)_{NOE1}$	5	2	43	0.2584084	6.009988	T	Rg4, Rg5, Rg2	Rg8, Rg6
$(HFSE4)_{NOE2}$	5	2	96	4.5111966	5.600388	T	Rg8, Rg6, Rg4	Rg2, Rg5
$(HFSE4)_{NOE3}$	6	3	108	4.1472411	4.522122	T	Rg4, Rg2, Rg3, Rg5	Rg8, Rg6
$(HFSE3)_{NOE1}$	6	2	82	0.0855157	5.656634	T	Rg5, Rg4, Rg2	Rg8, Rg3, Rg6
$(HFSE3)_{NOE2}$	5	2	96	4.0679765	5.600388	T	Rg8, Rg6, Rg4	Rg2, Rg5
$(HFSE3)_{NOE3}$	5	2	37	1.1985751	6.13942	T	Rg2, Rg5, Rg4	Rg8, Rg6
LILE4/LREE4	4	3	53	4.1115583	4.795002	T	Rg3, Rg4, Rg5, Rg6	---
LILE4/LREE3	6	4	113	3.7539538	3.936843	T	Rg4, Rg8, Rg2, Rg3, Rg6	Rg5
LILE4/HREE3a	4	2	52	3.6309275	5.87715	T	Rg5, Rg6, Rg4	Rg3
LILE5/HFSE6	5	3	106	2.3649455	4.527584	T	Rg2, Rg8, Rg4, Rg6	Rg5
LILE5/HFSE5a	5	3	106	3.6017715	4.527584	T	Rg2, Rg8, Rg4, Rg6	Rg5
LILE5/HFSE5b	5	3	106	1.7448993	4.527584	T	Rg2, Rg8, Rg4, Rg6	Rg5
LILE4/HFSE4a	5	3	112	3.4591113	4.512522	T	Rg2, Rg8, Rg4, Rg6	Rg5
LILE4/HFSE4b	5	3	106	2.2370442	4.527584	T	Rg8, Rg6, Rg4, Rg2	Rg5
LILE4/HFSE4c	6	3	221	2.9845440	4.3977212	T	Rg3, Rg6, Rg8, Rg2	Rg5, Rg4
LILE4/HFSE3a	6	3	240	4.1619648	4.386268	T	Rg4, Rg2, Rg6, Rg8	Rg5, Rg3
LREE3/HFSE5a	5	2	96	4.4746121	5.600388	T	Rg4, Rg2, Rg6	Rg8, Rg5
LREE3/HFSE4a	5	2	98	1.7763102	5.593264	T	Rg4, Rg6, Rg2	Rg8, Rg5
La/Sm	6	3	29	1.4179842	5.2785	T	Rg3, Rg8, Rg4, Rg2	Rg6, Rg5
La/Yb	6	4	54	3.8506212	4.189582	T	Rg3, Rg5, Rg8, Rg2, Rg4	Rg6
Ba/Nb	6	2	86	0.6207909	5.64	T	Rg2, Rg5, Rg4	Rg3, Rg6, Rg8
Nb/Nb*	6	4	89	2.2156907	3.999108	T	Rg3, Rg8, Rg4, Rg2, Rg5	Rg6

Table 20 (Cont.)**.** Results of successive application of ANOVA test at 99% confidence level to basic rocks from six different regions of the Eastern Alkaline Province (EAP) of Mexico and U.S.A., without the application of DODESSYS.

Tabla 20 (Cont.). Resultados de la aplicación sucesiva de la prueba ANOVA al nivel de confianza de 99% a rocas basicas de seis regiones diferentes de la Provincia Alcalina Oriental de México y E.U.A., sin la aplicación de DODESSYS.

Element (% or $\mu g.g^{-1}$)	Total no. of groups	ν_1	ν_2	F_{calc}	F_{crit}	H_0	Regions without significant differences	Regions with significant differences
$(SiO_2)_{adj}$	6	3	119	0.1474722	4.498039	T	Rg4, Rg3, Rg5, Rg2	Rg8, Rg6
$(TiO_2)_{adj}$	6	2	207	3.9298385	5.4357406	T	Rg6, Rg2, Rg3	Rg8, Rg5, Rg4
$(Al_2O_3)_{adj}$	6	4	280	2.1337770	3.802406	T	Rg2, Rg5, Rg6, Rg4, Rg3	Rg8
$(Fe_2O_3^t)_{adj}$	6	3	260	0.6864167	4.377646	T	Rg3, Rg8, Rg6, Rg2	Rg5, Rg4
$(MnO)_{adj}$	6	4	163	3.2360836	3.8667405	T	Rg3, Rg2, Rg5, Rg4, Rg8	Rg6
$(MgO)_{adj}$	6	2	232	2.9225049	5.4206356	T	Rg4, Rg3, Rg6	Rg8, Rg2, Rg5
$(CaO)_{adj}$	6	2	219	0.2215202	5.4284902	T	Rg4, Rg6, Rg2	Rg3, Rg5, Rg8
$(Na_2O)_{adj}$	6	2	87	5.3694886	5.63542	T	Rg2, Rg5, Rg4	Rg8, Rg3, Rg6
$(K_2O)_{adj}$	6	2	235	0.4269637	5.418823	T	Rg5, Rg4, Rg6	Rg2, Rg3, Rg8
$(P_2O_5)_{adj}$	6	2	222	4.1780352	5.4266776	T	Rg3, Rg6, Rg5	Rg2, Rg8, Rg4
Mg#	6	2	95	2.1043672	5.60395	T	Rg5, Rg2, Rg4	Rg8, Rg6, Rg3
T_{alk}	6	2	89	4.3965029	5.62626	T	Rg2, Rg5, Rg4	Rg8, Rg3, Rg6
FeO^t/Mg	6	2	89	4.1155828	5.62626	T	Rg2, Rg5, Rg4	Rg8, Rg6, Rg3
Salic	6	2	85	0.6997708	5.64458	T	Rg3, Rg4, Rg2	Rg8, Rg5, Rg6
Femic	6	3	265	1.8251450	4.376349	T	Rg5, Rg6, Rg4, Rg3	Rg8, Rg2
C.I.	6	5	336	53.9924921	3.4203064	F	---	Rg2, Rg3, Rg4, Rg5, Rg6, Rg8
D.I.	6	2	90	3.5024902	5.62168	T	Rg2, Rg5, Rg4	Rg8, Rg3, Rg6
S.I.	6	2	93	5.2036584	5.611042	T	Rg2, Rg5, Rg4	Rg8, Rg3, Rg6
A.R.	6	2	89	2.8842518	5.62626	T	Rg2, Rg5, Rg4	Rg3, Rg8, Rg6
La	6	4	86	3.9855288	4.006332	T	Rg2, Rg5, Rg3, Rg8, Rg4	Rg6
Ce	6	5	184	2.7869725	3.47879	T	Rg2, Rg3, Rg4, Rg5, Rg6, Rg8	---
Pr	4	3	52	0.4248992	4.805268	T	Rg3, Rg4, Rg5, Rg6	---
Nd	6	5	134	1.9866430	3.526796	T	Rg2, Rg3, Rg4, Rg5, Rg6, Rg8	---
Sm	6	5	133	3.3338294	3.528217	T	Rg2, Rg3, Rg4, Rg5, Rg6, Rg8	---
Eu	6	5	134	2.8510188	3.526796	T	Rg2, Rg3, Rg4, Rg5, Rg6, Rg8	---
Gd	4	3	98	2.1702236	4.549362	T	Rg2, Rg4, Rg5, Rg6	---
Tb	6	4	121	2.9345268	3.92038	T	Rg2, Rg5, Rg3, Rg6, Rg4	Rg8
Dy	5	3	59	3.9740852	4.73563	T	Rg5, Rg6, Rg4, Rg3	Rg8
Ho	5	2	92	3.2239788	5.614588	T	Rg3, Rg5, Rg6	Rg2, Rg4
Er	4	2	48	5.0242988	5.929714	T	Rg5, Rg3, Rg6	Rg4
Tm	5	4	93	2.7198000	3.986608	T	Rg2, Rg3, Rg4, Rg5, Rg6	---
Yb	6	3	29	4.3152905	5.2785	T	Rg2, Rg8, Rg3, Rg4	Rg5, Rg6
Lu	6	3	27	4.9492643	5.36277	T	Rg2, Rg3, Rg4, Rg8	Rg5, Rg6
Ba	6	3	223	2.4174303	4.3965156	T	Rg4, Rg6, Rg2, Rg5	Rg3, Rg8
Co	5	2	196	1.7593275	5.44409	T	Rg5, Rg6, Rg3	Rg8, Rg4
Cr	6	3	88	4.4209281	4.580702	T	Rg3, Rg5, Rg2, Rg4	Rg8, Rg6
Cs	5	3	98	1.6583170	4.549362	T	Rg4, Rg5, Rg2, Rg6	Rg8
Cu	5	2	115	2.7128079	5.55089	T	Rg4, Rg3, Rg6	Rg8, Rg2
Ga	5	4	102	1.1341728	3.95987	T	Rg2, Rg3, Rg4, Rg5, Rg6	---
Hf	5	2	115	2.4206079	5.55089	T	Rg2, Rg6, Rg5	Rg4, Rg8
Nb	6	2	77	1.3896220	5.68102	T	Rg2, Rg5, Rg4	Rg3, Rg8, Rg6
Ni	6	3	206	4.0840244	4.4067632	T	Rg2, Rg4, Rg6, Rg3	Rg8, Rg5
Pb	6	3	80	0.7112587	4.6085	T	Rg4, Rg3, Rg5, Rg2	Rg8, Rg6
Rb	6	3	237	0.5462780	4.3880764	T	Rg5, Rg8, Rg4, Rg6	Rg2, Rg3
Sc	5	2	57	1.8343645	5.820938	T	Rg2, Rg4, Rg5	Rg8, Rg6
Sr	6	4	263	1.4986413	3.8082336	T	Rg8, Rg6, Rg5, Rg2, Rg4	Rg3
Ta	5	2	96	5.0638966	5.600388	T	Rg8, Rg6, Rg4	Rg2, Rg5

Table 21. Results of successive application of ANOVA test at 99% confidence level to basic rocks from six different regions of the Eastern Alkaline Province (EAP) of Mexico and U.S.A., based on normally distributed data separated by DODESSYS.

Tabla 21. Resultados de la aplicación sucesiva de la prueba ANOVA al nivel de confianza de 99% a rocas basicas de seis regiones diferentes de la Provincia Alcalina Oriental de México y E.U.A., basado en los datos normalmente distribuidos separados mediante DODESSYS.

Element (% or $\mu g.g^{-1}$)	Total no. of groups	ν_1	ν_2	F_{calc}	F_{crit}	H_0	Regions without significant differences	Regions with significant differences
Th	6	3	164	2.6392127	4.438136	T	Rg5, Rg6, Rg4, Rg2	Rg3, Rg8
U	5	2	113	1.4419472	5.556006	T	Rg5, Rg2, Rg6	Rg4, Rg8
V	4	3	105	16.0235917	4.530315	F	---	Rg3, Rg4, Rg6, Rg8
Y	6	3	213	2.9184243	4.4025436	T	Rg2, Rg5, Rg6, Rg4	Rg3, Rg8
Zn	6	5	213	2.9448160	3.4611372	T	Rg2, Rg3, Rg4, Rg5, Rg6, Rg8	---
Zr	6	2	200	5.3084508	5.43997	T	Rg4, Rg2, Rg6	Rg3, Rg5, Rg8
$(LILE5)_{NOE}$	5	4	119	2.5862180	3.924309	T	Rg2, Rg4, Rg5, Rg6, Rg8	---
$(LILE4)_{NOE1}$	6	2	203	1.1545546	5.4381574	T	Rg4, Rg5, Rg6	Rg2, Rg3, Rg8
$(LILE3)_{NOE1}$	5	3	107	1.1227900	4.524853	T	Rg4, Rg5, Rg6, Rg8	Rg2
$(LILE3)_{NOE2}$	6	4	254	3.5878962	3.8113188	T	Rg8, Rg3, Rg5, Rg4, Rg6	Rg2
$(LILE3)_{NOE3}$	6	3	237	1.1570800	4.3880764	T	Rg8, Rg4, Rg5, Rg6	Rg2, Rg3
$(LREE4)_{NOE}$	4	3	52	0.6200194	4.805268	T	Rg3, Rg4, Rg5, Rg6	---
$(LREE3)_{NOE1}$	6	5	134	2.5349476	3.526796	T	Rg2, Rg3, Rg4, Rg5, Rg6, Rg8	---
$(HREE3)_{NOE1}$	4	2	15	6.7137170	7.70293	T	Rg5, Rg4, Rg3	Rg6
$(HFSE6)_{NOE}$	5	2	94	4.2136784	5.607496	T	Rg8, Rg6, Rg4	Rg2, Rg5
$(HFSE5)_{NOE1}$	5	2	94	5.4206489	5.607496	T	Rg8, Rg4, Rg6	Rg2, Rg5
$(HFSE5)_{NOE2}$	5	2	108	5.2458826	5.568172	T	Rg6, Rg5, Rg4	Rg2, Rg8
$(HFSE4)_{NOE1}$	5	2	113	3.0879715	5.556006	T	Rg2, Rg6, Rg5	Rg8, Rg4
$(HFSE4)_{NOE2}$	5	2	94	4.9951175	5.607496	T	Rg8, Rg6, Rg4	Rg2, Rg5
$(HFSE4)_{NOE3}$	6	2	76	0.5047620	5.68647	T	Rg2, Rg4, Rg5	Rg3, Rg8, Rg6
$(HFSE3)_{NOE1}$	6	2	76	1.8283994	5.68647	T	Rg4, Rg2, Rg5	Rg8, Rg3, Rg6
$(HFSE3)_{NOE2}$	5	2	108	4.2892653	5.568172	T	Rg6, Rg4, Rg5	Rg2, Rg8
$(HFSE3)_{NOE3}$	5	2	35	4.7361005	6.1875	T	Rg2, Rg5, Rg4	Rg8, Rg6
LILE4/LREE4	4	2	35	1.0732100	6.1875	T	Rg4, Rg3, Rg6	Rg5
LILE4/LREE3	6	3	101	4.1713404	4.541239	T	Rg8, Rg2, Rg3, Rg6	Rg4, Rg5
LILE4/HREE3a	4	2	15	6.7247190	7.70293	T	Rg3, Rg5, Rg4	Rg6
LILE5/HFSE6	5	3	97	3.6744284	4.552058	T	Rg8, Rg6, Rg2, Rg4	Rg5
LILE5/HFSE5a	5	2	86	0.4514628	5.64	T	Rg6, Rg2, Rg4	Rg8, Rg5
LILE5/HFSE5b	5	3	97	3.9822543	4.552058	T	Rg8, Rg6, Rg2, Rg4	Rg5
LILE4/HFSE4a	5	2	92	4.8753603	5.614588	T	Rg8, Rg4, Rg6	Rg2, Rg5
LILE4/HFSE4b	5	3	95	1.9113346	4.55745	T	Rg8, Rg6, Rg2, Rg4	Rg5
LILE4/HFSE4c	6	3	190	2.7018480	4.41659	T	Rg3, Rg8, Rg6, Rg2	Rg5, Rg4
LILE4/HFSE3a	6	2	68	3.0096668	5.731186	T	Rg3, Rg2, Rg8	Rg5, Rg4, Rg6
LREE3/HFSE5a	5	2	36	3.1669435	6.16346	T	Rg4, Rg5, Rg2	Rg8, Rg6
LREE3/HFSE4a	5	2	98	1.7763102	5.593264	T	Rg4, Rg2, Rg6	Rg8, Rg5
La/Sm	6	3	42	2.4895187	4.943054	T	Rg3, Rg5, Rg2, Rg4	Rg6, Rg8
La/Yb	6	4	132	3.7312182	3.901088	T	Rg5, Rg6, Rg2, Rg4, Rg8	Rg3
Ba/Nb	6	5	255	35.2863109	3.439579	F	---	Rg2, Rg3, Rg4, Rg5, Rg6, Rg8
Nb/Nb*	6	3	71	2.7919271	4.65798	T	Rg3, Rg2, Rg5, Rg4	Rg8, Rg6

Table 21 (Cont.)**.** Results of successive application of ANOVA test at 99% confidence level to basic rocks from six different regions of the Eastern Alkaline Province (EAP) of Mexico and U.S.A., based on normally distributed data separated by DODESSYS.

Tabla 21 (Cont.). Resultados de la aplicación sucesiva de la prueba ANOVA al nivel de confianza de 99% a rocas básicas de seis regiones diferentes de la Provincia Alcalina Oriental de México y E.U.A., basado en los datos normalmente distribuidos separados mediante DODESSYS.

Element (% or μg.g^{-1})	Total no. of groups	ν_1	ν_2	F_{calc}	F_{crit}	H_0	Regions without significant differences	Regions with significant differences
$(SiO_2)_{adj}$	8	4	86	2.9251756	4.006332	T	Rg5, Rg8, Rg6, Rg3, Rg4	Rg1, Rg7, Rg2
$(TiO_2)_{adj}$	8	4	86	2.6631264	4.006332	T	Rg3, Rg5, Rg6, Rg4, Rg8	Rg1, Rg2, Rg7
$(Al_2O_3)_{adj}$	8	5	93	1.4014481	3.609394	T	Rg5, Rg3, Rg1, Rg8, Rg4, Rg7	Rg2, Rg6
$(Fe_2O_3^t)_{adj}$	8	4	86	1.1027170	4.006332	T	Rg8, Rg5, Rg6, Rg4, Rg3	Rg2, Rg1, Rg7
$(MnO)_{adj}$	8	4	79	1.9988984	4.035454	T	Rg5, Rg3, Rg6, Rg8, Rg2	Rg1, Rg7, Rg4
$(MgO)_{adj}$	8	3	56	3.7532966	4.76476	T	Rg5, Rg8, Rg7, Rg3	Rg2, Rg1, Rg6, Rg4
$(CaO)_{adj}$	8	3	66	1.6558394	4.687468	T	Rg5, Rg8, Rg6, Rg3	Rg2, Rg1, Rg4, Rg7
$(Na_2O)_{adj}$	8	4	111	2.6052187	3.941021	T	Rg5, Rg6, Rg8, Rg7, Rg3	Rg2, Rg1, Rg4
$(K_2O)_{adj}$	8	4	111	2.2983845	3.941021	T	Rg5, Rg8, Rg6, Rg7, Rg3	Rg2, Rg1, Rg4
$(P_2O_5)_{adj}$	8	4	86	0.5728670	4.006332	T	Rg3, Rg5, Rg6, Rg8, Rg4	Rg2, Rg1, Rg7
Mg#	8	4	111	1.3214331	3.941021	T	Rg5, Rg7, Rg6, Rg8, Rg3	Rg1, Rg2, Rg4
T_{alk}	8	4	111	3.5803876	3.941021	T	Rg5, Rg6, Rg8, Rg7, Rg3	Rg2, Rg1, Rg4
FeO^t/Mg	8	5	61	1.9374293	3.753932	T	Rg1, Rg2, Rg5, Rg4, Rg8, Rg3	Rg7, Rg6
Salic	8	6	116	2.5755385	3.291444	T	Rg5, Rg1, Rg3, Rg2, Rg6, Rg8, Rg4	Rg7
Femic	8	3	66	1.8365886	4.687468	T	Rg5, Rg6, Rg8, Rg3	Rg2, Rg1, Rg4, Rg7
C.I.	8	3	66	1.4474756	4.687468	T	Rg5, Rg8, Rg6, Rg3	Rg2, Rg1, Rg4, Rg7
D.I.	8	3	66	2.2874021	4.687468	T	Rg5, Rg8, Rg6, Rg3	Rg2, Rg1, Rg4, Rg7
S.I.	8	4	111	2.6805154	3.941021	T	Rg5, Rg6, Rg7, Rg8, Rg3	Rg2, Rg1, Rg4
A.R.	8	4	111	2.7307566	3.941021	T	Rg5, Rg8, Rg6, Rg7, Rg3	Rg2, Rg1, Rg4
La	6	4	66	3.9037255	4.100446	T	Rg4, Rg8, Rg5, Rg6, Rg2	Rg1
Ce	6	4	52	3.3541997	4.210426	T	Rg8, Rg5, Rg6, Rg2, Rg4	Rg1
Nd	6	4	52	1.9605443	4.210426	T	Rg2, Rg8, Rg6, Rg5, Rg4	Rg1
Sm	6	5	61	3.3148643	3.753932	T	Rg1, Rg2, Rg4, Rg5, Rg6, Rg8	---
Eu	6	4	52	2.2920978	4.210426	T	Rg5, Rg6, Rg1, Rg4, Rg8	Rg2
Gd	4	2	37	5.8302246	6.13942	T	Rg2, Rg4, Rg6	Rg1
Tb	5	4	49	3.9013673	4.244124	T	Rg2, Rg4, Rg5, Rg6, Rg8	---
Dy	4	2	23	0.4329052	6.72903	T	Rg4, Rg8, Rg6	Rg1
Ho	4	3	36	3.3664819	5.063222	T	Rg2, Rg4, Rg5, Rg6	---
Tm	4	3	28	3.9470991	5.31798	T	Rg2, Rg4, Rg5, Rg6	---
Yb	6	4	52	0.4191966	4.210426	T	Rg6, Rg8, Rg2, Rg4, Rg5	Rg1
Lu	6	4	52	1.2703087	4.210426	T	Rg6, Rg5, Rg8, Rg2, Rg4	Rg1
Ba	7	3	36	0.6239883	5.063222	T	Rg1, Rg2, Rg8, Rg5	Rg3, Rg4, Rg6
Co	4	3	59	0.0806285	4.73563	T	Rg3, Rg4, Rg6, Rg8	---
Cr	7	4	53	2.7991839	4.200004	T	Rg5, Rg6, Rg3, Rg1, Rg8	Rg2, Rg4
Cs	6	4	49	0.9482012	4.244124	T	Rg5, Rg8, Rg4, Rg6, Rg2	Rg1
Cu	6	2	30	3.5911351	6.35492	T	Rg1, Rg6, Rg3	Rg8, Rg2, Rg4
Ga	6	4	39	3.9107463	4.393094	T	Rg6, Rg5, Rg4, Rg3, Rg1	Rg2
Hf	6	3	48	4.5733003	4.852508	T	Rg8, Rg6, Rg5, Rg2	Rg1, Rg4
Nb	7	4	40	4.0022094	4.37214	T	Rg4, Rg8, Rg5, Rg3, Rg2	Rg1, Rg6
Ni	6	3	47	2.5627646	4.865862	T	Rg6, Rg5, Rg3, Rg8	Rg2, Rg4
Pb	6	4	64	3.9001348	4.11313	T	Rg6, Rg5, Rg2, Rg4, Rg3	Rg1
Rb	7	4	68	3.6912875	4.088458	T	Rg5, Rg8, Rg6, Rg3, Rg4	Rg1, Rg2
Sc	6	2	26	0.4621381	6.54387	T	Rg5, Rg6, Rg8	Rg2, Rg1, Rg4
Sr	7	5	85	2.6206231	3.63645	T	Rg3, Rg1, Rg4, Rg5, Rg6, Rg8	Rg2
Ta	6	3	16	4.3022844	6.3039	T	Rg8, Rg5, Rg4, Rg2	Rg1, Rg6
Th	7	5	45	3.1146373	3.90795	T	Rg1, Rg4, Rg5, Rg3, Rg8, Rg2	Rg6

Table 22. Results of successive application of ANOVA test at 99% confidence level to intermediate rocks from eight different regions of the Eastern Alkaline Province (EAP) of Mexico and U.S.A., without the application of DODESSYS.

Tabla 22. Resultados de la aplicación sucesiva de la prueba ANOVA al nivel de confianza de 99% a rocas intermedias de ocho regiones diferentes de la Provincia Alcalina Oriental de México y E.U.A., sin la aplicación de DODESSYS.

Element (% or $\mu g.g^{-1}$)	Total no. of groups	ν_1	ν_2	F_{calc}	F_{crit}	H_0	Regions without significant differences	Regions with significant differences
U	6	5	67	3.6063246	3.716136	T	Rg1, Rg2, Rg4, Rg5, Rg6, Rg8	---
V	4	2	34	6.1798106	6.220984	T	Rg8, Rg4, Rg6	Rg1
Y	7	5	81	3.1486806	3.64849	T	Rg2, Rg3, Rg4, Rg6, Rg8, Rg5	Rg1
Zn	7	4	50	0.6916549	4.23127	T	Rg2, Rg8, Rg6, Rg5, Rg3	Rg1, Rg4
Zr	7	4	40	3.2743585	4.37214	T	Rg8, Rg3, Rg5, Rg4, Rg2	Rg1, Rg6
$(LILE5)_{NOE}$	6	3	44	4.8286591	4.909398	T	Rg5, Rg6, Rg2, Rg4	Rg1, Rg8
$(LILE4)_{NOE1}$	7	4	50	4.1981497	4.23127	T	Rg5, Rg3, Rg1, Rg2, Rg4	Rg8, Rg6
$(LILE3)_{NOE1}$	6	3	40	1.4282851	4.97671	T	Rg5, Rg8, Rg6, Rg4	Rg1, Rg2
$(LILE3)_{NOE2}$	7	4	50	3.1903319	4.23127	T	Rg3, Rg5, Rg4, Rg1, Rg2	Rg8, Rg6
$(LILE3)_{NOE3}$	7	3	27	4.6709481	5.36277	T	Rg5, Rg8, Rg3, Rg4	Rg1, Rg2, Rg6
$(LREE3)_{NOE1}$	6	4	52	2.9805098	4.210426	T	Rg8, Rg5, Rg6, Rg2, Rg4	Rg1
$(HFSE6)_{NOE}$	6	3	16	5.3208530	6.3039	T	Rg8, Rg4, Rg5, Rg2	Rg1, Rg6
$(HFSE5)_{NOE1}$	6	3	16	4.5944435	6.3039	T	Rg8, Rg5, Rg4, Rg2	Rg1, Rg6
$(HFSE5)_{NOE2}$	6	3	16	4.9946530	6.3039	T	Rg8, Rg4, Rg5, Rg2	Rg1, Rg6
$(HFSE4)_{NOE1}$	6	3	48	1.0903944	4.852508	T	Rg8, Rg6, Rg5, Rg2	Rg1, Rg4
$(HFSE4)_{NOE2}$	6	3	16	3.8652875	6.3039	T	Rg8, Rg5, Rg4, Rg2	Rg1, Rg6
$(HFSE4)_{NOE3}$	7	4	40	3.9321870	4.37214	T	Rg4, Rg8, Rg5, Rg3, Rg2	Rg1, Rg6
$(HFSE3)_{NOE1}$	7	4	75	3.8432845	4.04799	T	Rg2, Rg4, Rg3, Rg6, Rg5	Rg1, Rg8
$(HFSE3)_{NOE2}$	6	3	16	3.2474538	6.3039	T	Rg8, Rg5, Rg4, Rg2	Rg1, Rg6
$(HFSE3)_{NOE3}$	6	3	16	5.6564509	6.3039	T	Rg8, Rg5, Rg4, Rg2	Rg1, Rg6
LILE4/LREE3	6	4	52	3.3556907	4.210426	T	Rg1, Rg5, Rg6, Rg8, Rg4	Rg2
LILE5/HFSE6	6	5	58	2.5709253	3.776478	T	Rg1, Rg2, Rg4, Rg5, Rg6, Rg8	---
LILE5/HFSE5a	6	5	58	2.2131036	3.776478	T	Rg1, Rg2, Rg4, Rg5, Rg6, Rg8	---
LILE5/HFSE5b	6	5	58	2.8299332	3.776478	T	Rg1, Rg2, Rg4, Rg5, Rg6, Rg8	---
LILE4/HFSE4a	6	4	59	2.0490920	4.147744	T	Rg5, Rg1, Rg8, Rg4, Rg6	Rg2
LILE4/HFSE4b	6	5	58	3.6874502	3.776478	T	Rg1, Rg2, Rg4, Rg5, Rg6, Rg8	---
LILE4/HFSE4c	7	4	61	2.2057371	4.1332	T	Rg3, Rg5, Rg8, Rg2, Rg6	Rg1, Rg4
LILE4/HFSE3a	7	4	82	2.3009414	4.022888	T	Rg5, Rg1, Rg6, Rg8, Rg4	Rg3, Rg2
LREE3/HFSE5a	6	3	40	2.5612295	4.97671	T	Rg8, Rg6, Rg4, Rg5	Rg2, Rg1
LREE3/HFSE4a	6	5	58	2.1144462	3.776478	T	Rg1, Rg2, Rg4, Rg5, Rg6, Rg8	---
La/SM	6	3	27	4.1237398	5.36277	T	Rg2, Rg1, Rg4, Rg8	Rg5, Rg6
La/Yb	6	3	48	1.9027333	4.852508	T	Rg5, Rg8, Rg6, Rg2	Rg4, Rg1
Ba/Nb	7	3	48	1.6081473	4.852508	T	Rg3, Rg8, Rg6, Rg5	Rg1, Rg2, Rg4
Nb/Nb*	6	3	33	5.0969934	5.146342	T	Rg2, Rg8, Rg5, Rg4	Rg1, Rg6

Table 22 (Cont.). Results of successive application of ANOVA test at 99% confidence level to intermediate rocks from eight different regions of the Eastern Alkaline Province (EAP) of Mexico and U.S.A., without the application of DODESSYS.

Tabla 22 (Cont.). Resultados de la aplicación sucesiva de la prueba ANOVA al nivel de confianza de 99% a rocas intermedias de ocho regiones diferentes de la Provincia Alcalina Oriental de México y E.U.A., sin la aplicación de DODESSYS.

Element (% or μg.g^{-1})	Total no. of groups	ν_1	ν_2	F_{calc}	F_{crit}	H_0	Regions without significant differences	Regions with significant differences
$(SiO_2)_{adj}$	8	3	80	3.4251988	4.6085	T	Rg7, Rg2, Rg3, Rg4	Rg1, Rg8, Rg5, Rg6
$(TiO_2)_{adj}$	8	4	84	2.6069764	4.013456	T	Rg3, Rg5, Rg6, Rg4, Rg8	Rg1, Rg2, Rg7
$(Al_2O_3)_{adj}$	8	5	85	3.4394388	3.63645	T	Rg5, Rg1, Rg7, Rg3, Rg8, Rg4	Rg2, Rg6
$(Fe_2O_3^t)_{adj}$	8	4	84	1.0571575	4.013456	T	Rg8, Rg5, Rg6, Rg4, Rg3	Rg2, Rg1, Rg7
$(MnO)_{adj}$	8	4	42	1.6679062	4.3415	T	Rg5, Rg8, Rg3, Rg4, Rg2	Rg1, Rg7, Rg6
$(MgO)_{adj}$	8	3	66	1.8771405	4.687468	T	Rg5, Rg6, Rg8, Rg3	Rg2, Rg1, Rg4, Rg7
$(CaO)_{adj}$	8	3	65	2.1973206	4.69342	T	Rg5, Rg8, Rg6, Rg3	Rg2, Rg1, Rg4, Rg7
$(Na_2O)_{adj}$	8	4	108	3.2009699	3.9473	T	Rg5, Rg6, Rg8, Rg7, Rg3	Rg2, Rg1, Rg4
$(K_2O)_{adj}$	8	4	102	3.3060244	3.95987	T	Rg5, Rg7, Rg6, Rg8, Rg3	Rg2, Rg1, Rg4
$(P_2O_5)_{adj}$	8	4	76	1.7726684	4.044856	T	Rg3, Rg5, Rg6, Rg4, Rg8	Rg2, Rg1, Rg7
Mg#	8	4	107	1.3026114	3.949395	T	Rg5, Rg6, Rg7, Rg8, Rg3	Rg1, Rg2, Rg4
T_{alk}	8	3	105	2.4581954	4.530315	T	Rg5, Rg6, Rg8, Rg7	Rg2, Rg1, Rg4, Rg3
FeO^t/Mg	8	4	105	1.2829389	3.953585	T	Rg5, Rg7, Rg6, Rg8, Rg3	Rg2, Rg1, Rg4
Salic	8	5	96	3.0704770	3.601116	T	Rg5, Rg4, Rg2, Rg6, Rg3, Rg8	Rg7, Rg1
Femic	8	3	66	1.8365886	4.687468	T	Rg5, Rg6, Rg8, Rg3	Rg2, Rg1, Rg4, Rg7
C.I.	8	3	66	1.4474756	4.687468	T	Rg5, Rg8, Rg6, Rg3	Rg2, Rg1, Rg4, Rg7
D.I.	8	3	63	3.1823479	4.70642	T	Rg5, Rg8, Rg6, Rg3	Rg2, Rg1, Rg4, Rg7
S.I.	8	4	111	2.6805154	3.941021	T	Rg5, Rg6, Rg7, Rg8, Rg3	Rg2, Rg1, Rg4
A.R.	8	3	103	3.8092532	4.535777	T	Rg5, Rg6, Rg8, Rg7	Rg2, Rg1, Rg3, Rg4
La	6	3	29	3.7901733	5.2785	T	Rg8, Rg5, Rg4, Rg2	Rg1, Rg6
Ce	6	4	52	3.3541997	4.210426	T	Rg8, Rg5, Rg6, Rg2, Rg4	Rg1
Nd	6	4	50	4.0404644	4.23127	T	Rg2, Rg8, Rg6, Rg4, Rg5	Rg1
Sm	6	3	43	1.0417440	4.926226	T	Rg8, Rg5, Rg4, Rg6	Rg1, Rg2
Eu	6	4	51	2.5115086	4.220848	T	Rg5, Rg6, Rg8, Rg1, Rg4	Rg2
Gd	4	2	37	5.8302246	6.13942	T	Rg2, Rg4, Rg6	Rg1
Tb	5	4	49	3.9013673	4.244124	T	Rg2, Rg4, Rg5, Rg6, Rg8	---
Dy	4	2	22	0.5514729	6.80382	T	Rg4, Rg8, Rg6	Rg1
Ho	4	2	30	2.7972300	6.35492	T	Rg2, Rg6, Rg5	Rg4
Tm	4	3	28	3.9470991	5.31798	T	Rg2, Rg4, Rg5, Rg6	---
Yb	6	4	52	0.4191966	4.210426	T	Rg6, Rg8, Rg2, Rg4, Rg5	Rg1
Lu	6	4	47	3.9807474	4.269832	T	Rg6, Rg5, Rg8, Rg2, Rg4	Rg1
Ba	7	3	27	3.5367284	5.36277	T	Rg3, Rg4, Rg8, Rg5	Rg2, Rg1, Rg6
Co	4	3	55	0.1488861	4.77447	T	Rg3, Rg4, Rg6, Rg8	---
Cr	7	4	52	3.2041134	4.210426	T	Rg5, Rg6, Rg3, Rg8, Rg1	Rg2, Rg4
Cs	6	4	32	4.2590291	4.565614	T	Rg1, Rg5, Rg8, Rg4, Rg2	Rg6
Cu	6	2	30	3.5911351	6.35492	T	Rg1, Rg6, Rg3	Rg8, Rg2, Rg4
Ga	6	3	19	1.0659298	5.91864	T	Rg5, Rg3, Rg1, Rg4	Rg2, Rg6
Hf	6	3	48	4.5733003	4.852508	T	Rg8, Rg6, Rg5, Rg2	Rg1, Rg4
Nb	7	4	40	4.0022094	4.37214	T	Rg4, Rg8, Rg5, Rg3, Rg2	Rg1, Rg6
Ni	6	3	47	2.5627646	4.865862	T	Rg6, Rg5, Rg3, Rg8	Rg2, Rg4
Pb	6	4	62	2.3052270	4.12651	T	Rg6, Rg5, Rg2, Rg3, Rg4	Rg1
Rb	7	4	68	3.6912875	4.088458	T	Rg5, Rg8, Rg6, Rg3, Rg4	Rg1, Rg2
Sc	6	2	26	0.4621381	6.54387	T	Rg5, Rg6, Rg8	Rg2, Rg1, Rg4
Sr	7	2	23	2.4975476	6.72903	T	Rg5, Rg4, Rg8	Rg3, Rg2, Rg1, Rg6
Ta	6	3	16	4.3022844	6.3039	T	Rg8, Rg5, Rg4, Rg2	Rg1, Rg6

Table 23. Results of successive application of ANOVA test at 99% confidence level to intermediate rocks from eight different regions of the Eastern Alkaline Province (EAP) of Mexico and U.S.A., based on normally distributed data separated by DODESSYS.

Tabla 23. Resultados de la aplicación sucesiva de la prueba ANOVA al nivel de confianza de 99% a rocas intermedias de ocho regiones diferentes de la Provincia Alcalina Oriental de México y E.U.A., basado en los datos normalmente distribuidos separados mediante DODESSYS.

Element (% or $\mu g.g^{-1}$)	Total no. of groups	ν_1	ν_2	F_{calc}	F_{crit}	H_0	Regions without significant differences	Regions with significant differences
Th	7	5	45	3.1146373	3.90795	T	Rg1, Rg4, Rg5, Rg3, Rg8, Rg2	Rg6
U	6	4	31	3.2183271	4.595182	T	Rg1, Rg5, Rg2, Rg8, Rg4	Rg6
V	4	2	34	6.1798106	6.220984	T	Rg8, Rg6, Rg4	Rg1
Y	7	5	79	1.9072184	3.655882	T	Rg2, Rg3, Rg6, Rg8, Rg5, Rg4	Rg1
Zn	7	5	57	1.8094027	3.784592	T	Rg2, Rg8, Rg6, Rg5, Rg3, Rg4	Rg1
Zr	7	4	40	3.2743585	4.37214	T	Rg8, Rg3, Rg5, Rg4, Rg2	Rg1, Rg6
$(LILE5)_{NOE}$	6	3	44	4.8286591	4.909398	T	Rg5, Rg6, Rg2, Rg4	Rg1, Rg8
$(LILE4)_{NOE1}$	7	3	46	0.5834541	4.879216	T	Rg3, Rg1, Rg2, Rg4	Rg5, Rg8, Rg6
$(LILE3)_{NOE1}$	6	3	36	3.5867501	5.063222	T	Rg5, Rg6, Rg8, Rg4	Rg1, Rg2
$(LILE3)_{NOE2}$	7	4	48	3.7223704	4.256978	T	Rg3, Rg5, Rg4, Rg1, Rg2	Rg8, Rg6
$(LILE3)_{NOE3}$	7	3	27	4.6709481	5.36277	T	Rg5, Rg8, Rg3, Rg4	Rg1, Rg2, Rg6
$(LREE3)_{NOE1}$	6	4	52	2.9805098	4.210426	T	Rg8, Rg5, Rg6, Rg2, Rg4	Rg1
$(HFSE6)_{NOE}$	6	3	16	5.3208530	6.3039	T	Rg8, Rg4, Rg5, Rg2	Rg1, Rg6
$(HFSE5)_{NOE1}$	6	3	16	4.5944435	6.3039	T	Rg8, Rg5, Rg4, Rg2	Rg1, Rg6
$(HFSE5)_{NOE2}$	6	3	16	4.9946530	6.3039	T	Rg8, Rg4, Rg5, Rg2	Rg1, Rg6
$(HFSE4)_{NOE1}$	6	3	48	1.0903944	4.852508	T	Rg8, Rg6, Rg5, Rg2	Rg1, Rg4
$(HFSE4)_{NOE2}$	6	3	16	3.8652875	6.3039	T	Rg8, Rg5, Rg4, Rg2	Rg1, Rg6
$(HFSE4)_{NOE3}$	7	4	40	3.9321870	4.37214	T	Rg4, Rg8, Rg5, Rg3, Rg2	Rg1, Rg6
$(HFSE3)_{NOE1}$	7	5	77	1.3882749	3.664646	T	Rg8, Rg2, Rg3, Rg6, Rg5, Rg4	Rg1
$(HFSE3)_{NOE2}$	6	3	16	3.2474538	6.3039	T	Rg8, Rg5, Rg4, Rg2	Rg1, Rg6
$(HFSE3)_{NOE3}$	6	3	16	5.6564509	6.3039	T	Rg8, Rg5, Rg4, Rg2	Rg1, Rg6
LILE4/LREE3	6	4	25	4.5226517	4.83666	T	Rg2, Rg1, Rg5, Rg8, Rg4	Rg6
LILE5/HFSE6	6	4	42	2.2145559	4.3415	T	Rg8, Rg4, Rg2, Rg6, Rg5	Rg1
LILE5/HFSE5a	6	4	42	2.2951265	4.3415	T	Rg2, Rg8, Rg4, Rg6, Rg5	Rg1
LILE5/HFSE5b	6	4	42	2.0346480	4.3415	T	Rg8, Rg4, Rg2, Rg6, Rg5	Rg1
LILE4/HFSE4a	6	3	44	3.6440953	4.909398	T	Rg5, Rg4, Rg8, Rg6	Rg2, Rg1
LILE4/HFSE4b	6	4	43	2.1549943	4.32618	T	Rg2, Rg4, Rg8, Rg5, Rg6	Rg1
LILE4/HFSE4c	7	3	51	1.9805537	4.815534	T	Rg5, Rg8, Rg2, Rg6	Rg3, Rg1, Rg4
LILE4/HFSE3a	7	4	74	3.1454550	4.053686	T	Rg5, Rg1, Rg6, Rg4, Rg8	Rg3, Rg2
LREE3/HFSE5a	6	3	20	4.7560943	5.82029	T	Rg2, Rg4, Rg5, Rg1	Rg8, Rg6
LREE3/HFSE4a	6	5	52	3.0310192	3.830004	T	Rg1, Rg2, Rg4, Rg5, Rg6, Rg8	---
La/Sm	6	4	26	3.8368941	4.78631	T	Rg5, Rg2, Rg1, Rg4, Rg8	Rg6
La/Yb	6	3	44	2.5829928	4.909398	T	Rg5, Rg8, Rg6, Rg2	Rg4, Rg1
Ba/Nb	7	3	46	2.4736408	4.879216	T	Rg3, Rg8, Rg6, Rg5	Rg1, Rg2, Rg4
Nb/Nb*	6	2	33	3.2558735	6.254468	T	Rg8, Rg6, Rg5	Rg1, Rg2, Rg4

Table 23 (Cont.)**.** Results of successive application of ANOVA test at 99% confidence level to intermediate rocks from eight different regions of the Eastern Alkaline Province (EAP) of Mexico and U.S.A., based on normally distributed data separated by DODESSYS.

Tabla 23 (Cont.). Resultados de la aplicación sucesiva de la prueba ANOVA al nivel de confianza de 99% a rocas intermedias de ocho regiones diferentes de la Provincia Alcalina Oriental de México y E.U.A., basado en los datos normalmente distribuidos separados mediante DODESSYS.

Symbols	Meaning
Mg#	$100\times Mg^{2+} / (Mg^{2+} + Fe^{2+})$
T_{alk}	$(Na_2O)_{adj}+(K_2O)_{adj}$
$(Fe_2O_3^t)_{adj}$	$(Fe_2O_3)_{adj} + (FeO_{adj}*159.6882/(2*71.8444))$
FeO^t/MgO	$((2\times71.8444/159.6882)\times Fe_2O_3 + FeO) / MgO$
Salic	q + or + ab + an
Femic	(di-Mg) + (di-Fe) + (hy-Mg) + (hy-Fe) + fo + fa + mt + il + hm
C.I.	an + 2.1570577(di-Mg) + fo + 0.7007616(hy-Fe)
D.I.	q + or + ab + ne + lc
S.I.	$100\times MgO / (MgO + FeO + Fe_2O_3 + Na_2O + K_2O)$
A.R.	$(Al_2O_3 + CaO + Na_2O + K_2O) / (Al_2O_3 + CaO - Na_2O - K_2O)$
	However. if $SiO_2 > 50.0\%$ and $1.0 < (K_2O/Na_2O) < 2.5$. then
	A.R. = $(Al_2O_3 + CaO + 2Na_2O) / (Al_2O_3 + CaO - 2Na_2O)$
$(LILE5)_{NOE}$	$(K_{NOE}+Rb_{NOE}+Cs_{NOE}+Ba_{NOE}+Sr_{NOE})/5$ where the subscript NOE refers to normalization with respect to the silicate earth values from McDonough and Sun (1995) and LILE is large ion lithophile elements.
$(LILE4)_{NOE1}$	$(K_{NOE}+Rb_{NOE}+Ba_{NOE}+Sr_{NOE})/4$ where the additional subscript 1 after NOE refers to the first set of four LILE.
$(LILE3)_{NOE1}$	$(K_{NOE}+Rb_{NOE}+Cs_{NOE})/3$ where the additional subscript 1 after NOE refers to the first set of three LILE.
$(LILE3)_{NOE2}$	$(Rb_{NOE}+Ba_{NOE}+Sr_{NOE})/3$ where the additional subscript 2 after NOE refers to the second set of three LILE.
$(LILE3)_{NOE3}$	$(K_{NOE}+Rb_{NOE}+Sr_{NOE})/3$ where the additional subscript 3 after NOE refers to the third set of three LILE.
$(LREE4)_{NOE}$	$(La_{NOE}+Ce_{NOE}+Pr_{NOE}+Nd_{NOE})/4$
$(LREE3)_{NOE1}$	$(La_{NOE}+Ce_{NOE}+Nd_{NOE})/3$ where the additional subscript 1 after NOE refers to the first set of three LREE (light rare-earth elements).
$(HREE3)_{NOE1}$	$(Er_{NOE}+Yb_{NOE}+Lu_{NOE})/3$ where the additional subscript 1 after NOE refers to the first set of three HREE (heavy rare-earth elements).
$(HFSE6)_{NOE}$	$(Ti_{NOE}+P_{NOE}+Zr_{NOE}+Hf_{NOE}+Nb_{NOE}+Ta_{NOE})/6$
$(HFSE5)_{NOE1}$	$(Ti_{NOE}+P_{NOE}+Zr_{NOE}+Hf_{NOE}+Ta_{NOE})/5$ where the additional subscript 1 after NOE refers to the first set of five HFSE (high field strength elements).
$(HFSE5)_{NOE2}$	$(Ti_{NOE}+P_{NOE}+Zr_{NOE}+Nb_{NOE}+Ta_{NOE})/5$ where the additional subscript 2 after NOE refers to the second set of five HFSE.
$(HFSE4)_{NOE1}$	$(Ti_{NOE}+P_{NOE}+Zr_{NOE}+Hf_{NOE})/4$ where the additional subscript 1 after NOE refers to the first set of four HFSE.
$(HFSE4)_{NOE2}$	$(Ti_{NOE}+P_{NOE}+Hf_{NOE}+Ta_{NOE})/4$ where the additional subscript 2 after NOE refers to the second set of four HFSE.
$(HFSE4)_{NOE3}$	$(Ti_{NOE}+P_{NOE}+Zr_{NOE}+Nb_{NOE})/4$ where the additional subscript 3 after NOE refers to the third set of four HFSE.
$(HFSE3)_{NOE1}$	$(Ti_{NOE}+P_{NOE}+Zr_{NOE})/3$ where the additional subscript 1 after NOE refers to the first set of three HFSE.
$(HFSE3)_{NOE2}$	$(Ti_{NOE}+P_{NOE}+Ta_{NOE})/3$ where the additional subscript 2 after NOE refers to the second set of three HFSE.
$(HFSE3)_{NOE3}$	$(Zr_{NOE}+Hf_{NOE}+Ta_{NOE})/3$ where the additional subscript 3 after NOE refers to the third set of three HFSE.
Nb/Nb*	$2\times Nb_{PM}/(Ba_{PM}+La_{PM})$; the subscript PM refers to primitive mantle normalization (Sun and McDonough, 1989). The resulting parameter is the quantification of the Nb anomaly with respect to Ba and La. This was a very useful concept proposed by Verma (2006; see Table 3 in the paper by Verma).
NbPM	Nb/0.713
BaPM	Ba/6.989
LaPM	La/0.687
K_{NOE}	$((K_2O)_{adj}*10000*(94.1960-15.9994) / 94.1960) / 240$
Rb_{NOE}	Rb / 0.600
Cs_{NOE}	Cs / (21/1000)
Ba_{NOE}	Ba / (6600/1000)
Sr_{NOE}	Sr / 19.9
La_{NOE}	La / (648/1000)
Ce_{NOE}	Ce / (1675/1000)
Pr_{NOE}	Pr / (254/1000)
Nd_{NOE}	Nd / (1250/1000)
Er_{NOE}	Er / (438/1000)
Yb_{NOE}	Yb / (441/1000)
Lu_{NOE}	Lu / (67.5/1000)

Table 24. Explanation of the symbols used in Tables 12-17.

Tabla 24. Explicación de la simbología empleada en las Tablas 12-17.

Symbols	Meaning
Ti_{NOE}	$((TiO_2)_{adj}$*10000*(79.8658-(2*15.9994)) / 79.8658) / 1205
P_{NOE}	$((P_2O_5)_{adj}$*10000*(141.944522-(5*15.9994)) /141.944522) / 90
Zr_{NOE}	Zr / 10.5
Hf_{NOE}	Hf / (283/1000)
Nb_{NOE}	Nb / (658/1000)
Ta_{NOE}	Ta / (37/1000)

Table 24 (cont.)**.** Explanation of the symbols used in Tables 12-17.
Tabla 24 (cont.)**.** Explicación de la simbología empleada en las Tablas 12-17.

Element	Rg3			Rg4			Rg5			Rg6			Rg8		
	n	**mean**	**standard deviation**	**n**	**mean**	**standard deviation**	**n**	**mean**	**standard deviation**	**n**	**mean**	**standard deviation**	**n**	**mean**	**standard deviation**
$(SiO_2)_{adj}$	15	41.59	1.97	7	41.97	1.53	7	44.19	0.88	6	44.570	0.410	20	43.32	0.89
$(TiO_2)_{adj}$	15	3.22	0.97	7	5.11	1.54	7	2.71	0.67	6	2.18	0.68	20	2.095	0.409
$(Al_2O_3)_{adj}$	15	13.09	3.30	6	11.82	1.11	7	13.99	1.15	6	14.14	1.33	20	13.08	1.17
$(Fe_2O_3{}^t)_{adj}$	15	16.47	2.84	6	15.97	1.02	7	14.59	1.18	6	12.06	2	20	12.8	0.76
$(MnO)_{adj}$	15	0.1975	0.0393	7	0.1769	0.0180	5	0.1810	0.0048	5	0.1764	0.0045	20	0.1950	0.0106
$(MgO)_{adj}$	15	10.35	3.37	6	8.08	0.59	7	9.72	2.20	6	9.97	1.72	19	13.94	1.49
$(CaO)_{adj}$	15	13.66	1.90	6	10.08	0.72	7	10.13	1.61	6	12.92	2.15	20	10.99	0.90
$(Na_2O)_{adj}$	15	1.88	1.15	6	4.067	0.228	6	3.493	0.324	5	3.009	0.176	20	3.09	0.62
$(K_2O)_{adj}$	14	0.322	0.302	6	3.119	0.066	7	1.249	0.251	6	0.919	0.258	20	1.158	0.387
$(P_2O_5)_{adj}$	15	0.47	0.54	6	1.305	0.127	7	0.678	0.302	6	0.657	0.280	19	0.686	0.150
La	---	---	---	6	92.8	8.4	4	39.75	3.64	5	48.9	22.6	10	55.7	15.3
Ce	---	---	---	3	186.6	12.5	4	77.7	6.9	5	103.0	44.2	10	101.3	26.7
Nd	---	---	---	3	94.31	3.68	4	39.99	2.83	3	42.0	16.9	10	45.8	12.3
Sm	---	---	---	3	17.97	1.30	4	7.96	0.63	3	8.54	2.13	10	8.68	2.29
Eu	---	---	---	3	5.150	0.161	4	2.673	0.339	3	2.613	0.422	10	2.90	0.70
Gd	---	---	---				4	8.38	1.20	---	---	---	---	---	---
Tb	---	---	---	3	1.927	0.075	4	1.033	0.113	3	1.037	0.047	10	0.966	0.253
Dy	---	---	---	---	---	---	---	---	---	---	---	---	7	4.69	0.88
Ho	---	---	---	---	---	---	---	---	---	3	1.030	0.231	---	---	---
Tm	---	---	---	---	---	---	4	0.2775	0.0427	3	0.397	0.045	---	---	---
Yb	---	---	---	3	2.167	0.382	4	1.593	0.271	3	1.833	0.136	10	1.517	0.213
Lu	---	---	---	3	0.330	0.147	---	---	---	3	0.2633	0.0208	10	0.2050	0.0259
Ba	13	179	145	6	584	66	5	405.8	22.0	5	718	315	13	366	70
Co	15	61.1	27.4	4	58.25	1.71	4	47.3	6.3	5	42.7	9.6	12	65.2	12.6
Cr	15	267	231	5	37.5	7.6	5	308	209	5	290	86	14	733	241
Cs	---	---	---	---	---	---	4	0.395	0.139	3	0.493	0.320	8	0.750	0.131
Cu	15	145	125	---	---	---	---	---	---	---	---	---	14	81.0	22.3
Ga	13	18.62	3.66	3	26.65	0.57	---	---	---	---	---	---	---	---	---
Hf	---	---	---	3	21.1	10.3	4	5.59	0.75	3	4.670	0.329	8	4.88	0.91
Nb	15	19.5	20.7	6	100.8	23.7	4	50.80	0.91	4	45.3	21.1	13	31.0	10.0
Ni	15	126	88	5	92.44	3.30	5	168	88	4	141.4	32.1	13	330	130
Pb	9	6.89	1.54	6	9.00	2.90	---	---	---	3	5.73	2.45	2		
Rb	9	2.00	1.22	5	55.04	2.24	4	20.50	3.79	4	20.0	5.1	14	20.6	5.6
Sc	---	---	---	6	17.29	1.44	---	---	---	---	---	---	7	27.86	2.41
Sr	15	791	410	7	1112	233	4	858	112	4	878	179	13	822	117
Ta	---	---	---	---	---	---	4	3.308	0.230	2	1.8050	0.0071	8	2.23	1.05
Th	---	---	---	3	8.75	0.94	4	4.323	0.290	4	8.1	5.9	11	6.75	2.27

Table 25. Results of application of DODESSYS to ultrabasic rocks from five different regions of the Eastern Alkaline Province (EAP) of Mexico and U.S.A.

Tabla 25. Resultados de la aplicación de DODESSYS a rocas ultrabásicas de cinco regiones distintas de la Provincia Alcalina Oriental de México y E.U.A.

Element	Rg3			Rg4			Rg5			Rg6			Rg8		
	n	**mean**	**standard deviation**	**n**	**mean**	**standard deviation**	**n**	**mean**	**standard deviation**	**n**	**mean**	**standard deviation**	**n**	**mean**	**standard deviation**
U	---	---	---	3	2.720	0.302	4	1.280	0.047	3	1.45	0.96	8	2.56	0.71
V	---	---	---	4	197.0	19.6	---	---	---	-	---	---	14	291	57
Y	15	22.7	10.9	7	35.0	8.5	3	25.19	2.36	- 4	26.78	2.11	13	23.85	3.83
Zn	15	109.3	28.1	3	155.2	6.0	---	---	---	3	80.8	8.1	13	99.6	23.4
Zr	13	73.8	34.7	5	628.4	13.4	3	221.1	8.8	4	167.7	30.5	13	202.8	39.6

Table 25 (Cont.)**.** Results of application of DODESSYS to ultrabasic rocks from five different regions of the Eastern Alkaline Province (EAP) of Mexico and U.S.A.

Tabla 25 (Cont.)**.** Resultados de la aplicación de DODESSYS a rocas ultrabásicas de cinco regiones distintas de la Provincia Alcalina Oriental de México y E.U.A.

Element	Rg2			Rg3			Rg4			Rg5			Rg6			Rg8		
	n	**mean**	**standard deviation**	**n**	**mean**	**standard deviation**	**n**	**mean**	**standard deviation**	**n**	**mean**	**standard deviation**	**n**	**mean**	**standard deviation**	**n**	**mean**	**standard deviation**
$(SiO_2)_{adj}$	16	47.63	1.74	29	47.82	1.88	45	47.88	1.63	33	47.70	0.92	169	48.78	1.75	47	46.12	0.70
$(TiO_2)_{adj}$	16	2.32	0.56	29	1.97	0.80	43	2.48	0.51	37	2.63	0.50	169	1.95	0.49	55	1.515	0.206
$(Al_2O_3)_{adj}$	13	16.91	0.64	29	16.24	4.06	45	15.81	1.66	37	16.57	0.75	163	16.56	1.06	55	14.10	1.37
$(Fe_2O_3^t)_{adj}$	16	11.74	1.83	29	11.11	2.94	40	13.22	0.78	37	13.68	1.53	165	11.39	1.17	55	11.36	0.63
$(MnO)_{adj}$	16	0.1894	0.0415	29	0.166	0.051	41	0.1799	0.0199	32	0.1883	0.0156	160	0.1690	0.0144	50	0.1781	0.0077
$(MgO)_{adj}$	14	4.33	1.23	29	7.70	4.42	45	6.47	2.48	37	5.68	1.48	165	7.16	1.76	51	13.03	1.79
$(CaO)_{adj}$	16	9.88	2.25	26	12.10	1.74	41	9.66	1.00	37	8.25	1.10	169	9.71	1.08	55	10.61	0.81
$(Na_2O)_{adj}$	16	4.31	1.34	29	3.09	1.17	37	3.606	0.359	37	4.14	0.94	169	3.46	0.47	55	2.623	0.380
$(K_2O)_{adj}$	16	1.71	0.94	23	0.525	0.367	38	1.175	0.328	37	1.198	0.322	165	1.134	0.369	50	0.908	0.112
$(P_2O_5)_{adj}$	16	0.760	0.335	29	0.406	0.370	42	0.609	0.239	31	0.579	0.137	169	0.499	0.235	51	0.412	0.075
La	11	43.9	20.5	---	---	---	43	38.9	13.6	23	28.0	9.1	135	28.6	11.3	12	30.9	8.1
Ce	11	81.8	36.2	---	---	---	8	60.5	30.0	22	56.4	12.8	139	59.1	21.6	12	58.4	13.7
Pr	---	---	---	---	---	---	---	---	---	13	6.75	1.60	39	7.42	2.77	---	---	---
Nd	11	40.4	17.8	---	---	---	8	28.1	9.3	22	31.1	5.7	85	32.5	11.4	12	27.4	6.1
Sm	11	8.63	3.74	---	---	---	8	6.26	1.60	21	6.81	0.83	85	7.24	2.03	12	5.51	1.20
Eu	11	2.62	0.94	---	---	---	8	2.14	0.47	22	2.333	0.251	85	2.24	0.55	12	1.819	0.317
Gd	11	7.92	3.36	---	---	---	3	6.68	1.61	18	6.55	0.95	70	6.50	1.52	---	---	---
Tb	11	1.16	0.48	---	---	---	6	0.867	0.120	22	1.036	0.126	85	0.976	0.185	12	0.617	0.119
Dy	---	---	---	---	---	---	5	4.22	1.37	14	5.36	0.63	42	5.35	0.78	6	3.600	0.228
Ho	8	1.46	0.45	---	---	---	5	0.790	0.194	22	1.090	0.153	71	1.038	0.165	---	---	---
Er	---	---	---	---	---	---	---	---	---	14	2.816	0.427	35	2.640	0.256	---	---	---
Tm	8	0.428	0.196	---	---	---	5	0.296	0.063	22	0.416	0.077	61	0.408	0.080	---	---	---
Yb	11	2.50	1.07	---	---	---	8	1.68	0.52	22	2.49	0.45	85	2.273	0.387	12	1.523	0.226
Lu	11	0.368	0.169	---	---	---	6	0.2183	0.0232	22	0.349	0.073	85	0.332	0.065	12	0.2183	0.0282
				---	---	---												
Ba	13	388	135	23	258	124	39	452	148	35	361	131	141	406	153	30	281	48
Co	---	---	---	29	41.1	16.0	36	50.5	10.0	24	36.5	9.3	146	40.1	7.8	32	66.4	15.6
Cr	16	71	71	20	57	50	35	119	96	21	59	54	144	205	120	35	749	278
Cs	7	0.557	0.294	---	---	---	3	0.3300	0.0361	17	0.420	0.203	75	0.531	0.244	11	0.791	0.230
Cu	16	28.9	17.4	29	43.8	21.9	4	26.5	13.9	---	---	---	85	44.8	12.4	35	87.4	21.6
Ga	16	22.44	2.80	27	21.3	4.9	7	21.76	1.28	8	21.51	1.73	49	20.66	1.92	---	---	---

Table 26. Results of application of DODESSYS to basic rocks from six different regions of the Eastern Alkaline Province (EAP) of Mexico and U.S.A.

Tabla 26. Resultados de la aplicación de DODESSYS a rocas básicas de seis regiones distintas de la Provincia Alcalina Oriental de México y E.U.A.

Element	Rg2			Rg3			Rg4			Rg5			Rg6			Rg8		
	n	**mean**	**standard deviation**	**n**	**mean**	**standard deviation**	**n**	**mean**	**standard deviation**	**n**	**mean**	**standard deviation**	**n**	**mean**	**standard deviation**	**n**	**mean**	**standard deviation**
Hf	11	4.64	1.94	---	---	---	9	8.9	6.0	22	5.41	0.79	85	4.82	1.18	11	3.51	0.83
Nb	16	46.0	25.5	18	7.2	4.6	34	36.4	10.0	30	39.6	22.6	145	19.0	9.2	35	17.24	3.19
Ni	16	36.9	36.7	29	89	88	31	78	58	29	36.5	18.9	137	83.2	44.8	35	352	170
Pb	16	6.63	1.75	18	7.76	3.21	39	7.79	3.15	11	7.52	1.82	121	5.49	2.19	20	4.40	1.54
Rb	16	42.1	31.7	19	9.2	7.8	38	19.6	7.4	35	18.7	9.7	133	20.3	7.8	35	19.11	4.24
Sc	9	16.60	3.11	---	---	---	40	18.86	3.50	11	20.5	7.8	65	25.9	5.1	10	30.00	4.06
Sr	16	780	215	29	890	343	43	736	241	24	684	191	150	682	228	35	654	98
Ta	9	3.54	0.77	---	---	---	3	1.70	0.46	26	2.17	1.14	85	1.34	0.62	11	0.791	0.247
Th	11	5.06	3.35	2			8	3.70	2.85	26	3.11	1.71	123	3.62	1.74	31	5.36	2.32
U	9	0.97	0.46	---	---	---	6	2.50	2.57	26	0.880	0.415	81	1.047	0.447	10	1.74	0.51
V	---	---	---	---	---	---	36	190	53	---	---	---	39	221.3	33.8	32	250.6	20.6
Y	16	29.9	13.8	28	19.0	7.7	36	25.9	4.7	22	29.17	4.12	144	28.30	3.94	30	23.31	3.67
Zn	16	93.1	24.4	29	84.0	26.1	7	98.68	2.92	10	95.2	14.4	127	86.8	10.0	30	95.7	23.2
Zr	16	205	93	23	75.7	44.0	37	222	57	21	232.1	35.0	150	188	54	35	152.7	25.5

Table 26 (Cont.)**.** Results of application of DODESSYS to basic rocks from six different regions of the Eastern Alkaline Province (EAP) of Mexico and U.S.A.

Tabla 26 (Cont.)**.** Resultados de la aplicación de DODESSYS a rocas básicas de seis regiones distintas de la Provincia Alcalina Oriental de México y E.U.A.

Element	Rg1			Rg2			Rg3			Rg4			Rg6			Rg7			Rg8		
	n	**mean**	**standard deviation**	**n**	**mean**	**standard deviation**	**n**	**mean**	**standard deviation**	**n**	**mean**	**standard deviation**	**n**	**mean**	**standard deviation**	**n**	**mean**	**standard deviation**	**n**	**mean**	**standard deviation**
$(SiO_2)_{adj}$	16	61.15	0.90	14	59.51	1.68	3	56.57	4.20	21	57.57	3.00	52	55.07	2.21	46	59.51	2.74	8	53.97	0.98
$(TiO_2)_{adj}$	16	0.188	0.079	14	0.389	0.263	3	1.82	1.09	21	1.07	0.68	54	1.281	0.341	42	0.851	0.137	9	1.065	0.241
$(Al_2O_3)_{adj}$	18	18.40	0.54	14	19.98	1.41	3	17.38	0.93	21	17.69	1.82	56	17.14	0.86	38	17.31	0.67	9	18.12	0.63
$(Fe_2O_3{}^t)_{adj}$	18	5.6	0.78	12	3.73	0.53	3	7.47	3.38	21	7.67	2.49	54	8.28	1.28	46	6.49	1.15	9	8.87	1.31
$(MnO)_{adj}$	18	0.254	0.062	14	0.1499	0.0435	3	0.138	0.068	19	0.1745	0.0374	52	0.1342	0.0264	41	0.0985	0.0126	9	0.1773	0.0286
$(MgO)_{adj}$	14	0.356	0.129	12	0.226	0.109	3	2.73	1.18	21	1.60	1.44	56	4.47	1.78	45	3.31	0.93	9	3.73	1.09
$(CaO)_{adj}$	14	1.254	0.259	12	0.946	0.233	2	5.0865	0.0148	21	3.86	2.62	56	7.27	1.64	46	6.08	0.94	9	7.91	1.65
$(Na_2O)_{adj}$	18	7.64	1.02	14	9.07	1.27	3	4.84	0.67	18	5.75	1.46	53	3.98	0.49	46	4.001	0.442	9	3.98	0.70
$(K_2O)_{adj}$	18	5.421	0.342	11	5.588	0.143	3	3.17	0.86	21	4.05	1.60	55	1.92	0.85	38	1.790	0.271	9	1.93	0.78
$(P_2O_5)_{adj}$	14	0.0933	0.0319	12	0.0654	0.0383	3	0.515	0.236	20	0.326	0.189	48	0.345	0.128	43	0.253	0.061	8	0.324	0.083
La	16	115.1	41.7	10	47.4	27.8	---	---	---	15	62.3	20.5	34	38.0	18.3	---	---	---	6	30.4	12.8
Ce	10	239	97	10	77	48	---	---	---	5	129.8	34.8	34	74.1	32.6	---	---	---	6	58.3	24.7
Nd	10	90.2	33.4	8	18.8	8.2	---	---	---	5	48.6	20.9	34	37.0	15.4	---	---	---	6	28.0	11.3
Sm	7	12.66	3.53	8	3.48	1.61	---	---	---	5	8.15	3.53	34	7.59	2.84	---	---	---	6	5.60	2.21
Eu	10	1.43	0.60	10	0.55	0.53	---	---	---	4	1.66	0.47	34	2.08	0.62	---	---	---	6	1.84	0.62
Gd	9	11.84	3.90	10	4.17	2.76	---	---	---	---	---	---	28	6.79	2.82	---	---	---	---	---	---
Tb	---	---	---	10	0.72	0.47	---	---	---	---	---	---	34	0.974	0.328	---	---	---	6	0.717	0.264
Dy	9	11.33	4.42	---	---	---	---	---	---	---	---	---	17	5.23	1.55	---	---	---	6	5.18	1.78
Ho	---	---	---	7	0.770	0.347	---	---	---	---	---	---	24	0.973	0.191	---	---	---	---	---	---
Er	9	6.68	3.08	---	---	---	---	---	---	---	---	---	15	2.53	0.48	---	---	---	---	---	---
Tm	---	---	---	4	0.423	0.322	---	---	---	---	---	---	24	0.434	0.114	---	---	---	---	---	---
Yb	10	6.08	3.45	10	2.78	1.08	---	---	---	5	3.09	1.38	34	2.65	0.77	---	---	---	6	2.66	0.80
Lu	10	1.00	0.58	10	0.455	0.143	---	---	---	4	0.518	0.139	30	0.352	0.070	---	---	---	6	0.442	0.147

Table 27. Results of application of DODESSYS to intermediate rocks from eight different regions of the Eastern Alkaline Province (EAP) of Mexico and U.S.A.
Tabla 27. Resultados de la aplicación de DODESSYS a rocas intermedias de ocho regiones distintas de la Provincia Alcalina Oriental de México y E.U.A.

Element	Rg1			Rg2			Rg3			Rg4			Rg6			Rg7			Rg8		
	n	mean	standard deviation	n	mean	standard deviation	n	mean	standard deviation	n	mean	standard deviation	n	mean	standard deviation	n	mean	standard deviation	n	mean	standard deviation
Ba	15	142	153	12	132	209	3	1237	477	19	938	538	42	628	228	---	---	---	7	412	153
Co	---	---	---	---	---	---	3	24.7	12.1	12	24.7	15.5	38	23.9	7.5	---	---	---	6	26.7	7.1
Cr	7	29.6	10.7	10	1	0	3	19.3	6.7	8	15.5	12.9	40	98	82	---	---	---	5	27.2	7.6
Cs	17	9.5	8.2	10	2.22	1.37	---	---	---	---	---	---	22	0.694	0.248	---	---	---	6	0.967	0.356
Cu	10	19.3	8.3	12	3.75	1.54	3	38.7	17.0	10	10.7	8.0	20	42.0	26.6	---	---	---	7	100.9	32.7
Ga	8	27.25	3.28	14	32.64	3.69	3	27.33	2.08	10	26.2	5.4	19	21.14	1.74	---	---	---	---	---	---
Hf	10	25.2	12.2	10	10.68	3.52	---	---	---	10	16.8	6.7	34	6.59	3.49	---	---	---	6	5.35	2.35
Nb	18	210	105	14	87	56	3	33.0	12.8	19	155	131	40	24.0	15.5	---	---	---	7	11.29	4.03
Ni	---	---	---	12	2.33	0.89	3	11.3	6.7	8	8.2	4.9	39	49.2	36.7	---	---	---	7	19.6	8.8
Pb	8	29.5	12.7	14	10.14	4.29	3	13.0	9.6	14	13.6	5.6	34	9.50	3.58	---	---	---	---	---	---
Rb	18	159	60	14	136.6	38.7	3	107	48	19	82.1	44.8	42	54.3	36.1	---	---	---	7	45.7	27.3
Sc	9	4.9	4.7	7	0.714	0.308	---	---	---	13	9.5	4.7	21	20.2	7.4	---	---	---	6	20.0	6.3
Sr	15	75	50	12	35.0	23.8	3	1040	584	17	368	223	42	575	158	---	---	---	7	529	69
Ta	10	13.4	7.6	10	5.9	4.9	---	---	---	---	---	---	34	1.59	1.09	---	---	---	6	0.733	0.234
Th	18	29.1	18.5	10	12.0	9.4	---	---	---	13	24.2	21.4	42	8.2	5.5	---	---	---	6	7.50	3.44
U	10	6.10	3.73	10	4.32	3.53	---	---	---	8	2.93	0.94	22	1.059	0.347	---	---	---	6	1.83	0.88
V	8	58.1	16.9	---	---	---	---	---	---	10	103	96	20	178	54	---	---	---	7	214	62
Y	18	64.0	33.7	14	24.9	14.2	3	25.3	9.0	17	37.6	16.3	42	31.1	9.5	---	---	---	7	32.9	12.1
Zn	18	181	84	14	74.9	28.8	3	97	74	8	101.5	15.0	29	80.4	13.9	---	---	---	7	76.9	18.9
Zr	18	1391	632	14	509	189	3	231	46	19	662	482	42	278	139	---	---	---	7	178	64

Table 27 (Cont.)**.** Results of application of DODESSYS to intermediate rocks from eight different regions of the Eastern Alkaline Province (EAP) of Mexico and U.S.A.

Tabla 27 (Cont.)**.** Resultados de la aplicación de DODESSYS a rocas intermedias de ocho regiones distintas de la Provincia Alcalina Oriental de México y E.U.A.

Log-ratio	Total no. of regions	ν_1	ν_2	F_{calc}	F_{crit}	H_0	Regions without significant differences	Regions with significant differences
ln $[(TiO_2)_{adj}/(SiO_2)_{adj}]$	6	3	151	2.4504948	4.450826	T	Rg4, Rg5, Rg3, Rg2	Rg8, Rg6
ln $[(Al_2O_3)_{adj}/(SiO_2)_{adj}]$	6	3	307	2.7099288	4.365149	T	Rg3, Rg5, Rg4, Rg6	Rg2, Rg8
ln $[(Fe_2O_3)_{adj}/(SiO_2)_{adj}]$	6	3	303	4.2355252	4.366361	T	Rg8, Rg6, Rg2, Rg3	Rg5, Rg4
ln $[(FeO)_{adj}/(SiO_2)_{adj}]$	6	4	225	2.5473088	3.825265	T	Rg2, Rg5, Rg4, Rg3, Rg8	Rg6
ln $[(MnO)_{adj}/(SiO_2)_{adj}]$	6	4	225	1.4386936	3.825265	T	Rg8, Rg3, Rg4, Rg2, Rg5	Rg6
ln $[(MgO)_{adj}/(SiO_2)_{adj}]$	6	2	264	5.0216911	5.40402	T	Rg4, Rg3, Rg6	Rg8, Rg2, Rg5
ln $[(CaO)_{adj}/(SiO_2)_{adj}]$	6	2	236	0.3347398	5.4182188	T	Rg4, Rg6, Rg2	Rg3, Rg5, Rg8
ln $[(NA_2O)_{adj}/(SiO_2)_{adj}]$	6	2	108	0.1785506	5.568172	T	Rg2, Rg5, Rg4	Rg3, Rg8, Rg6
ln $[(K_2O)_{adj}/(SiO_2)_{adj}]$	6	3	303	3.5515343	4.366361	T	Rg2, Rg5, Rg6, Rg8	Rg3, Rg4
ln $[(P_2O_5)_{adj}/(SiO_2)_{adj}]$	6	2	260	4.7573057	5.40566	T	Rg2, Rg6, Rg8	Rg3, Rg4, Rg5
ln (La/Th)	5	2	105	4.4511282	5.57491	T	Rg2, Rg6, Rg4	Rg8, Rg5
ln (Sm/Th)	5	3	134	2.8403905	4.472386	T	Rg5, Rg2, Rg6, Rg4	Rg8
ln (Yb/Th)	5	3	134	3.3560693	4.472386	T	Rg5, Rg6, Rg4, Rg2	Rg8
ln (Nb/Th)	5	4	152	64.5705212	3.877212	F	---	Rg2, Rg4, Rg5, Rg6, Rg8
ln $[Nb/(TiO_2)_{adj}]$	4	3	126	25.0757748	4.485002	F	---	Rg3, Rg4, Rg6, Rg8
ln $[V/(TiO_2)_{adj}]$	4	3	126	65.1972424	4.485002	F	---	Rg3, Rg4, Rg6, Rg8
ln $[Y/(TiO_2)_{adj}]$	4	2	87	1.2121303	5.63542	T	Rg6, Rg8, Rg3	Rg4
ln $[Zr/(TiO_2)_{adj}]$	4	2	87	1.6922770	5.63542	T	Rg3, Rg6, Rg8	Rg4

Table 28. Application of ANOVA at 99% confidence level for log-transformed ratios of ultrabasic and basic rocks (combined) from the Eastern Alkaline Province (EAP) before the application of DODESSYS to these log-tansformed ratios.

Tabla 28. Aplicación de ANOVA al nivel de confianza de 99% para las relaciones log-transformadas de rocas ultrabásicas y básicas (combinadas) de la Provincia Alcalina Oriental antes de la aplicación de DODESSYS a estas relaciones log-transformadas.

Log-ratio	Total No. of regions	ν_1	ν_2	F_{calc}	F_{crit}	H_0	Regions without significant differences	Regions with significant differences
ln $[(TiO_2)_{adj}/(SiO_2)_{adj}]$	6	3	150	2.1656590	4.45181	T	Rg4, Rg5, Rg2, Rg3	Rg8, Rg6
ln $[(Al_2O_3)_{adj}/(SiO_2)_{adj}]$	6	4	319	3.1124508	3.791427	T	Rg2, Rg5, Rg3, Rg6, Rg4	Rg8
ln $[(Fe_2O_3)_{adj}/(SiO_2)_{adj}]$	6	2	108	4.3997974	5.568172	T	Rg4, Rg2, Rg3	Rg5, Rg6, Rg8
ln $[(FeO)_{adj}/(SiO_2)_{adj}]$	6	4	223	2.4769404	3.826271	T	Rg5, Rg2, Rg4, Rg3, Rg8	Rg6
ln $[(MnO)_{adj}/(SiO_2)_{adj}]$	6	4	219	1.2984140	3.828283	T	Rg2, Rg3, Rg8, Rg5, Rg4	Rg6
ln $[(MgO)_{adj}/(SiO_2)_{adj}]$	6	2	261	4.1956579	5.40525	T	Rg4, Rg3, Rg6	Rg8, Rg2, Rg5
ln $[(CaO)_{adj}/(SiO_2)_{adj}]$	6	2	233	0.0391197	5.4200314	T	Rg4, Rg6, Rg2	Rg3, Rg5, Rg8
ln $[(NA_2O)_{adj}/(SiO_2)_{adj}]$	6	2	104	2.9059258	5.577156	T	Rg2, Rg5, Rg4	Rg3, Rg8, Rg6
ln $[(K_2O)_{adj}/(SiO_2)_{adj}]$	6	3	300	3.8804965	4.36727	T	Rg2, Rg5, Rg6, Rg8	Rg3, Rg4
ln $[(P_2O_5)_{adj}/(SiO_2)_{adj}]$	6	2	105	1.1904906	5.57491	T	Rg2, Rg4, Rg5	Rg3, Rg6, Rg8
ln (La/Th)	5	2	104	4.4059899	5.577156	T	Rg2, Rg6, Rg4	Rg8, Rg5
ln (Sm/Th)	5	3	134	2.8403905	4.472386	T	Rg5, Rg2, Rg6, Rg4	Rg8
ln (Yb/Th)	5	3	134	3.3560693	4.472386	T	Rg5, Rg6, Rg4, Rg2	Rg8
ln (Nb/Th)	5	4	151	69.8041284	3.878136	F	---	Rg2, Rg4, Rg5, Rg6, Rg8
ln $[Nb/(TiO_2)_{adj}]$	4	3	124	26.3772304	4.488658	F	---	Rg3, Rg4, Rg6, Rg8
ln $[V/(TiO_2)_{adj}]$	4	3	125	68.6535842	4.48683	F	---	Rg3, Rg4, Rg6, Rg8
ln $[Y/(TiO_2)_{adj}]$	4	2	87	1.2121303	5.63542	T	Rg6, Rg8, Rg3	Rg4
ln $[Zr/(TiO_2)_{adj}]$	4	2	87	1.6922770	5.63542	T	Rg3, Rg6, Rg8	Rg4

Table 29. Application of ANOVA at 99% confidence level to log-transformed ratios of ultrabasic and basic rocks (combined) from the Eastern Alkaline Province (EAP) after the application of DODESSYS to these log-tansformed ratios.

Tabla 29. Aplicación de ANOVA al nivel de confianza de 99% a las relaciones log-transformadas de rocas ultrabásicas y básicas (combinadas) de la Provincia Alcalina Oriental después de la aplicación de DODESSYS a estas relaciones log-transformadas.

Locality; age: inferred tectonic setting	Figure type	Total number of samples	Number of discriminated samples			
			IAB	CRB	OIB	MORB
Rg2 (Sierra Picacho, Nuevo León); Tertiary; continental rift.	1-2-3-4	16	0	***14***	0	[2]
	1-2-3	16	[1]	***14***	[1]	---
	1-2-4	16	0	***14***	---	[2]
	1-3-4 *	16	2	---	10 [1]	2 [1]
	2-3-4	16	---	***14***	[1]	[1]
Rg3 (Sierra San Carlos, Tamaulipas); Oligocene 30-28 Ma; probably ocean island.	1-2-3-4	44	2	13 [1]	13	15
	1-2-3	44	2	12 [1]	***29***	---
	1-2-4 (*)	44	2	21 [1]	---	20
	1-3-4	44	3	---	***29*** [1]	11
	2-3-4	44	---	11 [1]	***21***	11
Rg4 (Sierra Tamaulipas, Tamaulipas); Oligocene-Miocene 31.5-7 Ma; continental rift.	1-2-3-4	51	1	***39*** [1]	3 [6]	[1]
	1-2-3	51	[1]	***40*** [1]	3 [6]	---
	1-2-4	51	[1]	***43*** [7]	---	0
	1-3-4 *	51	4 [1]	---	34 [6]	5 [1]
	2-3-4	51	---	***40***	2 [6]	1 [2]
Rg5 (Hidalgo and Northern Veracruz states); Miocene 20 Ma; continental rift	1-2-3-4	44	1 [1]	***39*** [3]	0	0
	1-2-3	44	0	***40*** [4]	0	---
	1-2-4	44	0	***40*** [4]	---	0
	1-3-4 *	44	6 [4]	---	31	3
	2-3-4	44	---	***40*** [4]	0	0
Rg6 (central Veracruz state); Miocene-Pliocene 17-3 Ma; continental rift.	1-2-3-4	172	19 [2]	***145*** [2]	3 [1]	0
	1-2-3	172	15 [2]	***151*** [2]	1 [1]	---
	1-2-4	172	15 [2]	***152*** [3]	---	0
	1-3-4 *	172	39 [2]	---	78 [1]	50 [2]
	2-3-4	172	---	***162*** [3]	3 [1]	2 [1]
Rg8 (Los Tuxtlas); Miocene-Holocene 7-0 Ma; continental rift.	1-2-3-4	75	2 [4]	***64*** [5]	0	0
	1-2-3	75	4 [4]	***62*** [5]	0	---
	1-2-4	75	2 [4]	***64*** [5]	---	0
	1-3-4 *	75	22 [5]	---	40 [4]	4
	2-3-4	75	---	***66*** [8]	0	[1]

Table 30. Application of the set of five discriminant function multi-dimensional diagrams (Verma *et al.*, 2006) for basic and ultrabasic magmas from the Eastern Alkaline Province (EAP) of Mexico (see Figure 1 for locations and Figure 2 for discriminated samples; the number of samples enclosed in [ ] are the discordant outliers detected by DODESSYS).

Tabla 30. Aplicación del conjunto de cinco diagramas multidimensionales basados en funciones discriminantes (Verma *et al.*, 2006) para magmas básicos y ultrabásicos provenientes de la Provincia Alcalina Oriental de México (ver la Figura 1 para las localizaciones y la Figura 2 para las muestras discriminadas; el número de muestras encerradas entre [ ] son los valores extremos discordantes detectados por DODESSYS)).

Locality; inferred tectonic setting	Figure type	Total number of samples	Number of discriminated samples				
			IAB	CRB+OIB	CRB	OIB	MORB
Rg2 (Sierra Picacho, Nuevo León); Tertiary; continental Rift.	1-2-3-4	11	0	***11***	---	---	0
	1-2-3	11	1	---	***7***	3	---
	1-2-4	11	0	---	***11***	---	0
	1-3-4 *	11	0	---	---	11	0
	2-3-4	11	---	---	***6***	5	0
Rg4 (Sierra Tamaulipas, Tamaulipas); Oligocene-Miocene 31.5-7 Ma; ocean island.	1-2-3-4	9	0	9	---	---	0
	1-2-3	9	0	---	4	5	---
	1-2-4	9	0	---	9	---	0
	1-3-4	9	0	---	---	9	0
	2-3-4	9	---	---	3 6		0
Rg5 (Hidalgo and Northern Veracruz states); Miocene 20 Ma; continental rift.	1-2-3-4	30	0	***30***	---	---	0
	1-2-3	30	0	---	***26***	4	---
	1-2-4	30	0	---	***30***	---	0
	1-3-4 *	30	0	---	---	19	11
	2-3-4	30	---	---	***26***	4	0
Rg6 (central Veracruz state); Miocene-Pliocene 17-3 Ma; continental rift.	1-2-3-4	88	6	69 [1]	---	---	12
	1-2-3	88	18	---	58 [1]	11	---
	1-2-4	88	6	---	70 [1]	---	11
	1-3-4 *	88	5	---	---	67 [1]	15
	2-3-4	88	---	---	70 [1]	3	14
Rg8 (Los Tuxtlas); Miocene-Holocene 7-0 Ma; continental rift.	1-2-3-4	19	6	***13***	---	---	0
	1-2-3	19	16	---	3	0	---
	1-2-4	19	4	---	***15***	---	0
	1-3-4 *	19	7	---	---	12	0
	2-3-4	19	---	---	***18***	1	0

Table 31. Application of the set of five discriminant function multi-dimensional diagrams (Agrawal *et al.*, 2008) for basic and ultrabasic magmas from the Eastern Alkaline Province (EAP) of Mexico (see Figure 1 for locations and Figure 3 for discriminated samples).
Tabla 31. Aplicación del conjunto de cinco diagramas multidimensionales basados en funciones discriminantes (Agrawal *et al.*, 2008) para magmas básicos y ultrabásicos provenientes de la Provincia Alcalina Oriental de México (ver la Figura 1 para las localizaciones y la Figura 3 para las muestras discriminadas).

Locality; inferred tectonic setting	Figure type	Total number of samples	Number of discriminated samples				
			IAB	CRB+OIB	CRB	OIB	MORB
Rg3 (Sierra San Carlos, Tamaulipas); Oligocene 30-28 Ma; continental rift.	1-2-3-4	4	0	***4*** [0.9782-0.9999]	---	---	0
	1-2-3	4	0	---	***3*** [0.6015-0.6366]	1 [0.5094]	---
	1-2-4	4	0	---	***4*** [0.8173-0.9999]	---	0
	1-3-4 *	4	0	---	---	3 [0.7415-0.9999]	1 [0.7276]
	2-3-4	4	---	---	***3*** [0.7431-0.9589]	1 [0.5276]	0
Rg4 (Sierra Tamaulipas); Oligocene-Miocene 31.5-7 Ma; continental rift to ocean island.	1-2-3-4	40	0	***40*** [0.9544-1.0000]	---	---	0
	1-2-3	40	0	---	***26*** [0.5141-0.9990]	14 [0.5273-0.9050]	---
	1-2-4	40	0	---	***39*** [0.9201-1.0000]	---	1 [0.7822]
	1-3-4	40	0	---	---	***38*** [0.9489-1.0000]	2 [0.9994, 1.0000]
	2-3-4	40	---	---	12 [0.5078-0.8856]	***28*** [0.5262-0.9892]	0
Rg6 (central Veracruz state); Miocene-Pliocene 17-3 Ma; continental rift to MORB.	1-2-3-4	37	1 [0.4728] [1] [0.9973]	***21*** [0.5463-0.9999]	---	---	14 [0.4923-0.8951]
	1-2-3	37	4 [0.6927-0.9674] [1] [0.9999]	---	***28*** [0.4478-0.7817]	4 [0.5067-0.6648]	---
	1-2-4	37	[1] [0.9991]	---	14 [0.5602-0.9999]	---	***22*** [0.5022-0.8061]
	1-3-4	37	3 [0.4987-0.8931] [1] [0.9999]	---	---	7 [0.5744-1.0000]	***26*** [0.5559-0.9324]
	2-3-4	37	---	---	***21*** [0.3730-0.8565]	9 [0.4543-0.8078]	6 [0.4431-0.6763] [1] [0.7341]
Rg8 (Los Tuxtlas); Miocene-Holocene 7-0 Ma; inconclusive.	1-2-3-4	49	***22*** [0.4726-0.9488]	**17** [0.4971-0.9999] [2] [0.9237, 0.9998]	---	---	8 [0.4126-0.9459]
	1-2-3	49	***23*** [0.5362-0.9974]	---	19 [0.4628-0.7974] [2] [0.5102, 0.6179]	5 [0.5090-0.9274]	---
	1-2-4	49	5 [0.5908-0.8914]	---	7 [0.5007-0.9863] [1] [0.9870]	---	***35*** [0.5718-0.9812] [1] [0.9445]
	1-3-4	49	17 [0.5021-0.9999]	---	---	6 [0.5459-0.9999] [1] [0.9982]	***24*** [0.6555-0.9931] [1] [0.9808]
	2-3-4	49	---	---	***34*** [0.4915-0.8229] [2] [0.6618, 0.6994]	8 [0.4716-0.9095]	5 [0.5638-0.9933]

Table 32. Application of the set of five discriminant function multi-dimensional diagrams (Verma and Agrawal, 2011) for basic and ultrabasic magmas from the Eastern Alkaline Province (EAP) of Mexico (probability estimates are provided within brackets "[]").
Tabla 32. Aplicación del conjunto de cinco diagramas multidimensionales basados en funciones discriminantes (Verma y Agrawal, 2011) para magmas básicos y ultrabásicos provenientes de la Provincia Alcalina Oriental de México (estimaciones de las probabilidades se presentan en los paréntesis "[]").