

Table.S1 The post hoc comparison results of pumiloside among ten batch *N.officinalis* herbs

	(I) Batch	(J) batch	Mean Difference (I-J)	Standard Error	Significance	95% confidence interval	
						Lower limit	Upper limit
Tukey HSD	161212	161220	-40.57900*	2.27974	.000	-48.6518	-32.5062
		160914	-108.99567*	2.27974	.000	-117.0685	-100.9229
		170911	-242.03233*	2.27974	.000	-250.1051	-233.9595
		180321	-155.71900*	2.27974	.000	-163.7918	-147.6462
		190330	-283.00567*	2.27974	.000	-291.0785	-274.9329
		200422	-93.05233*	2.27974	.000	-101.1251	-84.9795
		200428	-143.69900*	2.27974	.000	-151.7718	-135.6262
		200518	-167.49900*	2.27974	.000	-175.5718	-159.4262
		200602	-258.52567*	2.27974	.000	-266.5985	-250.4529
	161220	161212	40.57900*	2.27974	.000	32.5062	48.6518
		160914	-68.41667*	2.27974	.000	-76.4895	-60.3439
		170911	-201.45333*	2.27974	.000	-209.5261	-193.3805
		180321	-115.14000*	2.27974	.000	-123.2128	-107.0672
		190330	-242.42667*	2.27974	.000	-250.4995	-234.3539
		200422	-52.47333*	2.27974	.000	-60.5461	-44.4005
		200428	-103.12000*	2.27974	.000	-111.1928	-95.0472
		200518	-126.92000*	2.27974	.000	-134.9928	-118.8472
		200602	-217.94667*	2.27974	.000	-226.0195	-209.8739
160914	161212	108.99567*	2.27974	.000	100.9229	117.0685	
	161220	68.41667*	2.27974	.000	60.3439	76.4895	
	170911	-133.03667*	2.27974	.000	-141.1095	-124.9639	
	180321	-46.72333*	2.27974	.000	-54.7961	-38.6505	
	190330	-174.01000*	2.27974	.000	-182.0828	-165.9372	
	200422	15.94333*	2.27974	.000	7.8705	24.0161	
	200428	-34.70333*	2.27974	.000	-42.7761	-26.6305	
	200518	-58.50333*	2.27974	.000	-66.5761	-50.4305	
	200602	-149.53000*	2.27974	.000	-157.6028	-141.4572	
170911	161212	242.03233*	2.27974	.000	233.9595	250.1051	
	161220	201.45333*	2.27974	.000	193.3805	209.5261	
	160914	133.03667*	2.27974	.000	124.9639	141.1095	
	180321	86.31333*	2.27974	.000	78.2405	94.3861	
	190330	-40.97333*	2.27974	.000	-49.0461	-32.9005	
	200422	148.98000*	2.27974	.000	140.9072	157.0528	
	200428	98.33333*	2.27974	.000	90.2605	106.4061	
	200518	74.53333*	2.27974	.000	66.4605	82.6061	
	200602	-16.49333*	2.27974	.000	-24.5661	-8.4205	
180321	161212	155.71900*	2.27974	.000	147.6462	163.7918	
	161220	115.14000*	2.27974	.000	107.0672	123.2128	
	160914	46.72333*	2.27974	.000	38.6505	54.7961	

	170911	-86.31333*	2.27974	.000	-94.3861	-78.2405
	190330	-127.28667*	2.27974	.000	-135.3595	-119.2139
	200422	62.66667*	2.27974	.000	54.5939	70.7395
	200428	12.02000*	2.27974	.001	3.9472	20.0928
	200518	-11.78000*	2.27974	.002	-19.8528	-3.7072
	200602	-102.80667*	2.27974	.000	-110.8795	-94.7339
190330	161212	283.00567*	2.27974	.000	274.9329	291.0785
	161220	242.42667*	2.27974	.000	234.3539	250.4995
	160914	174.01000*	2.27974	.000	165.9372	182.0828
	170911	40.97333*	2.27974	.000	32.9005	49.0461
	180321	127.28667*	2.27974	.000	119.2139	135.3595
	200422	189.95333*	2.27974	.000	181.8805	198.0261
	200428	139.30667*	2.27974	.000	131.2339	147.3795
	200518	115.50667*	2.27974	.000	107.4339	123.5795
	200602	24.48000*	2.27974	.000	16.4072	32.5528
200422	161212	93.05233*	2.27974	.000	84.9795	101.1251
	161220	52.47333*	2.27974	.000	44.4005	60.5461
	160914	-15.94333*	2.27974	.000	-24.0161	-7.8705
	170911	-148.98000*	2.27974	.000	-157.0528	-140.9072
	180321	-62.66667*	2.27974	.000	-70.7395	-54.5939
	190330	-189.95333*	2.27974	.000	-198.0261	-181.8805
	200428	-50.64667*	2.27974	.000	-58.7195	-42.5739
	200518	-74.44667*	2.27974	.000	-82.5195	-66.3739
	200602	-165.47333*	2.27974	.000	-173.5461	-157.4005
200428	161212	143.69900*	2.27974	.000	135.6262	151.7718
	161220	103.12000*	2.27974	.000	95.0472	111.1928
	160914	34.70333*	2.27974	.000	26.6305	42.7761
	170911	-98.33333*	2.27974	.000	-106.4061	-90.2605
	180321	-12.02000*	2.27974	.001	-20.0928	-3.9472
	190330	-139.30667*	2.27974	.000	-147.3795	-131.2339
	200422	50.64667*	2.27974	.000	42.5739	58.7195
	200518	-23.80000*	2.27974	.000	-31.8728	-15.7272
	200602	-114.82667*	2.27974	.000	-122.8995	-106.7539
200518	161212	167.49900*	2.27974	.000	159.4262	175.5718
	161220	126.92000*	2.27974	.000	118.8472	134.9928
	160914	58.50333*	2.27974	.000	50.4305	66.5761
	170911	-74.53333*	2.27974	.000	-82.6061	-66.4605
	180321	11.78000*	2.27974	.002	3.7072	19.8528
	190330	-115.50667*	2.27974	.000	-123.5795	-107.4339
	200422	74.44667*	2.27974	.000	66.3739	82.5195
	200428	23.80000*	2.27974	.000	15.7272	31.8728
	200602	-91.02667*	2.27974	.000	-99.0995	-82.9539
200602	161212	258.52567*	2.27974	.000	250.4529	266.5985

161220	217.94667*	2.27974	.000	209.8739	226.0195
160914	149.53000*	2.27974	.000	141.4572	157.6028
170911	16.49333*	2.27974	.000	8.4205	24.5661
180321	102.80667*	2.27974	.000	94.7339	110.8795
190330	-24.48000*	2.27974	.000	-32.5528	-16.4072
200422	165.47333*	2.27974	.000	157.4005	173.5461
200428	114.82667*	2.27974	.000	106.7539	122.8995
200518	91.02667*	2.27974	.000	82.9539	99.0995

*. The significance level of the difference between the averages is 0.05.

Table.S2 The post hoc comparison results of Naucleoxoside A among ten batch *N.officinalis* herbs

	(I) Batch	(J) batch	Mean Difference (I-J)	Standard Error	Significance	95% confidence interval	
						Lower limit	Upper limit
Tukey HSD	161212	161220	.40567	.36460	.977	-.8854	1.6968
		160914	-60.95767*	.36460	.000	-62.2488	-59.6666
		170911	-25.92767*	.36460	.000	-27.2188	-24.6366
		180321	-48.24433*	.36460	.000	-49.5354	-46.9532
		190330	-48.15767*	.36460	.000	-49.4488	-46.8666
		200422	-32.00767*	.36460	.000	-33.2988	-30.7166
		200428	-51.85100*	.36460	.000	-53.1421	-50.5599
		200518	-56.58767*	.36460	.000	-57.8788	-55.2966
		200602	-36.53767*	.36460	.000	-37.8288	-35.2466
			161220	161212	-.40567	.36460	.977
160914	-61.36333*			.36460	.000	-62.6544	-60.0722
170911	-26.33333*			.36460	.000	-27.6244	-25.0422
180321	-48.65000*			.36460	.000	-49.9411	-47.3589
190330	-48.56333*			.36460	.000	-49.8544	-47.2722
200422	-32.41333*			.36460	.000	-33.7044	-31.1222
200428	-52.25667*			.36460	.000	-53.5478	-50.9656
200518	-56.99333*			.36460	.000	-58.2844	-55.7022
200602	-36.94333*			.36460	.000	-38.2344	-35.6522
	160914			161212	60.95767*	.36460	.000
		161220	61.36333*	.36460	.000	60.0722	62.6544
		170911	35.03000*	.36460	.000	33.7389	36.3211
		180321	12.71333*	.36460	.000	11.4222	14.0044
		190330	12.80000*	.36460	.000	11.5089	14.0911
		200422	28.95000*	.36460	.000	27.6589	30.2411
		200428	9.10667*	.36460	.000	7.8156	10.3978
		200518	4.37000*	.36460	.000	3.0789	5.6611
		200602	24.42000*	.36460	.000	23.1289	25.7111
			170911	161212	25.92767*	.36460	.000
161220	26.33333*			.36460	.000	25.0422	27.6244

	160914	-35.03000*	.36460	.000	-36.3211	-33.7389
	180321	-22.31667*	.36460	.000	-23.6078	-21.0256
	190330	-22.23000*	.36460	.000	-23.5211	-20.9389
	200422	-6.08000*	.36460	.000	-7.3711	-4.7889
	200428	-25.92333*	.36460	.000	-27.2144	-24.6322
	200518	-30.66000*	.36460	.000	-31.9511	-29.3689
	200602	-10.61000*	.36460	.000	-11.9011	-9.3189
180321	161212	48.24433*	.36460	.000	46.9532	49.5354
	161220	48.65000*	.36460	.000	47.3589	49.9411
	160914	-12.71333*	.36460	.000	-14.0044	-11.4222
	170911	22.31667*	.36460	.000	21.0256	23.6078
	190330	.08667	.36460	1.000	-1.2044	1.3778
	200422	16.23667*	.36460	.000	14.9456	17.5278
	200428	-3.60667*	.36460	.000	-4.8978	-2.3156
	200518	-8.34333*	.36460	.000	-9.6344	-7.0522
	200602	11.70667*	.36460	.000	10.4156	12.9978
190330	161212	48.15767*	.36460	.000	46.8666	49.4488
	161220	48.56333*	.36460	.000	47.2722	49.8544
	160914	-12.80000*	.36460	.000	-14.0911	-11.5089
	170911	22.23000*	.36460	.000	20.9389	23.5211
	180321	-.08667	.36460	1.000	-1.3778	1.2044
	200422	16.15000*	.36460	.000	14.8589	17.4411
	200428	-3.69333*	.36460	.000	-4.9844	-2.4022
	200518	-8.43000*	.36460	.000	-9.7211	-7.1389
	200602	11.62000*	.36460	.000	10.3289	12.9111
200422	161212	32.00767*	.36460	.000	30.7166	33.2988
	161220	32.41333*	.36460	.000	31.1222	33.7044
	160914	-28.95000*	.36460	.000	-30.2411	-27.6589
	170911	6.08000*	.36460	.000	4.7889	7.3711
	180321	-16.23667*	.36460	.000	-17.5278	-14.9456
	190330	-16.15000*	.36460	.000	-17.4411	-14.8589
	200428	-19.84333*	.36460	.000	-21.1344	-18.5522
	200518	-24.58000*	.36460	.000	-25.8711	-23.2889
	200602	-4.53000*	.36460	.000	-5.8211	-3.2389
200428	161212	51.85100*	.36460	.000	50.5599	53.1421
	161220	52.25667*	.36460	.000	50.9656	53.5478
	160914	-9.10667*	.36460	.000	-10.3978	-7.8156
	170911	25.92333*	.36460	.000	24.6322	27.2144
	180321	3.60667*	.36460	.000	2.3156	4.8978
	190330	3.69333*	.36460	.000	2.4022	4.9844
	200422	19.84333*	.36460	.000	18.5522	21.1344
	200518	-4.73667*	.36460	.000	-6.0278	-3.4456
	200602	15.31333*	.36460	.000	14.0222	16.6044

200518	161212	56.58767*	.36460	.000	55.2966	57.8788
	161220	56.99333*	.36460	.000	55.7022	58.2844
	160914	-4.37000*	.36460	.000	-5.6611	-3.0789
	170911	30.66000*	.36460	.000	29.3689	31.9511
	180321	8.34333*	.36460	.000	7.0522	9.6344
	190330	8.43000*	.36460	.000	7.1389	9.7211
	200422	24.58000*	.36460	.000	23.2889	25.8711
	200428	4.73667*	.36460	.000	3.4456	6.0278
	200602	20.05000*	.36460	.000	18.7589	21.3411
200602	161212	36.53767*	.36460	.000	35.2466	37.8288
	161220	36.94333*	.36460	.000	35.6522	38.2344
	160914	-24.42000*	.36460	.000	-25.7111	-23.1289
	170911	10.61000*	.36460	.000	9.3189	11.9011
	180321	-11.70667*	.36460	.000	-12.9978	-10.4156
	190330	-11.62000*	.36460	.000	-12.9111	-10.3289
	200422	4.53000*	.36460	.000	3.2389	5.8211
	200428	-15.31333*	.36460	.000	-16.6044	-14.0222
	200518	-20.05000*	.36460	.000	-21.3411	-18.7589

*.The significance level of the difference between the averages is 0.05.

Table.S3 The post hoc comparison results of Nauclefine among ten batch *N.officinalis* herbs

	(I) Batch	(J) batch	Mean Difference (I-J)	Standard Error	Significance	95% confidence interval	
						Lower limit	Upper limit
Tukey HSD	161212	161220	6.51333*	.16772	.000	5.9194	7.1073
		160914	14.59667*	.16772	.000	14.0027	15.1906
		170911	19.92333*	.16772	.000	19.3294	20.5173
		180321	33.62333*	.16772	.000	33.0294	34.2173
		190330	14.93667*	.16772	.000	14.3427	15.5306
		200422	21.85333*	.16772	.000	21.2594	22.4473
		200428	24.49667*	.16772	.000	23.9027	25.0906
		200518	28.71333*	.16772	.000	28.1194	29.3073
		200602	30.73000*	.16772	.000	30.1361	31.3239
	161220	161212	-6.51333*	.16772	.000	-7.1073	-5.9194
		160914	8.08333*	.16772	.000	7.4894	8.6773
		170911	13.41000*	.16772	.000	12.8161	14.0039
		180321	27.11000*	.16772	.000	26.5161	27.7039
		190330	8.42333*	.16772	.000	7.8294	9.0173
		200422	15.34000*	.16772	.000	14.7461	15.9339
		200428	17.98333*	.16772	.000	17.3894	18.5773
		200518	22.20000*	.16772	.000	21.6061	22.7939
		200602	24.21667*	.16772	.000	23.6227	24.8106
	160914	161212	-14.59667*	.16772	.000	-15.1906	-14.0027

	161220	-8.08333*	.16772	.000	-8.6773	-7.4894
	170911	5.32667*	.16772	.000	4.7327	5.9206
	180321	19.02667*	.16772	.000	18.4327	19.6206
	190330	.34000	.16772	.592	-.2539	.9339
	200422	7.25667*	.16772	.000	6.6627	7.8506
	200428	9.90000*	.16772	.000	9.3061	10.4939
	200518	14.11667*	.16772	.000	13.5227	14.7106
	200602	16.13333*	.16772	.000	15.5394	16.7273
170911	161212	-19.92333*	.16772	.000	-20.5173	-19.3294
	161220	-13.41000*	.16772	.000	-14.0039	-12.8161
	160914	-5.32667*	.16772	.000	-5.9206	-4.7327
	180321	13.70000*	.16772	.000	13.1061	14.2939
	190330	-4.98667*	.16772	.000	-5.5806	-4.3927
	200422	1.93000*	.16772	.000	1.3361	2.5239
	200428	4.57333*	.16772	.000	3.9794	5.1673
	200518	8.79000*	.16772	.000	8.1961	9.3839
	200602	10.80667*	.16772	.000	10.2127	11.4006
180321	161212	-33.62333*	.16772	.000	-34.2173	-33.0294
	161220	-27.11000*	.16772	.000	-27.7039	-26.5161
	160914	-19.02667*	.16772	.000	-19.6206	-18.4327
	170911	-13.70000*	.16772	.000	-14.2939	-13.1061
	190330	-18.68667*	.16772	.000	-19.2806	-18.0927
	200422	-11.77000*	.16772	.000	-12.3639	-11.1761
	200428	-9.12667*	.16772	.000	-9.7206	-8.5327
	200518	-4.91000*	.16772	.000	-5.5039	-4.3161
	200602	-2.89333*	.16772	.000	-3.4873	-2.2994
190330	161212	-14.93667*	.16772	.000	-15.5306	-14.3427
	161220	-8.42333*	.16772	.000	-9.0173	-7.8294
	160914	-.34000	.16772	.592	-.9339	.2539
	170911	4.98667*	.16772	.000	4.3927	5.5806
	180321	18.68667*	.16772	.000	18.0927	19.2806
	200422	6.91667*	.16772	.000	6.3227	7.5106
	200428	9.56000*	.16772	.000	8.9661	10.1539
	200518	13.77667*	.16772	.000	13.1827	14.3706
	200602	15.79333*	.16772	.000	15.1994	16.3873
200422	161212	-21.85333*	.16772	.000	-22.4473	-21.2594
	161220	-15.34000*	.16772	.000	-15.9339	-14.7461
	160914	-7.25667*	.16772	.000	-7.8506	-6.6627
	170911	-1.93000*	.16772	.000	-2.5239	-1.3361
	180321	11.77000*	.16772	.000	11.1761	12.3639
	190330	-6.91667*	.16772	.000	-7.5106	-6.3227
	200428	2.64333*	.16772	.000	2.0494	3.2373
	200518	6.86000*	.16772	.000	6.2661	7.4539

	200602	8.87667*	.16772	.000	8.2827	9.4706
200428	161212	-24.49667*	.16772	.000	-25.0906	-23.9027
	161220	-17.98333*	.16772	.000	-18.5773	-17.3894
	160914	-9.90000*	.16772	.000	-10.4939	-9.3061
	170911	-4.57333*	.16772	.000	-5.1673	-3.9794
	180321	9.12667*	.16772	.000	8.5327	9.7206
	190330	-9.56000*	.16772	.000	-10.1539	-8.9661
	200422	-2.64333*	.16772	.000	-3.2373	-2.0494
	200518	4.21667*	.16772	.000	3.6227	4.8106
	200602	6.23333*	.16772	.000	5.6394	6.8273
200518	161212	-28.71333*	.16772	.000	-29.3073	-28.1194
	161220	-22.20000*	.16772	.000	-22.7939	-21.6061
	160914	-14.11667*	.16772	.000	-14.7106	-13.5227
	170911	-8.79000*	.16772	.000	-9.3839	-8.1961
	180321	4.91000*	.16772	.000	4.3161	5.5039
	190330	-13.77667*	.16772	.000	-14.3706	-13.1827
	200422	-6.86000*	.16772	.000	-7.4539	-6.2661
	200428	-4.21667*	.16772	.000	-4.8106	-3.6227
	200602	2.01667*	.16772	.000	1.4227	2.6106
200602	161212	-30.73000*	.16772	.000	-31.3239	-30.1361
	161220	-24.21667*	.16772	.000	-24.8106	-23.6227
	160914	-16.13333*	.16772	.000	-16.7273	-15.5394
	170911	-10.80667*	.16772	.000	-11.4006	-10.2127
	180321	2.89333*	.16772	.000	2.2994	3.4873
	190330	-15.79333*	.16772	.000	-16.3873	-15.1994
	200422	-8.87667*	.16772	.000	-9.4706	-8.2827
	200428	-6.23333*	.16772	.000	-6.8273	-5.6394
	200518	-2.01667*	.16772	.000	-2.6106	-1.4227

*.The significance level of the difference between the averages is 0.05.

Table.S4 The post hoc comparison results of Naucleoxoside B among ten batch *N.officinalis* herbs

	(I) Batch	(J) batch	Mean Difference	Standard	Significance	95% confidence interval	
			(I-J)	Error		Lower limit	Upper limit
Tukey HSD	161212	161220	-5.25900*	.57162	.000	-7.2832	-3.2348
		160914	-33.67567*	.57162	.000	-35.6998	-31.6515
		170911	2.89433*	.57162	.002	.8702	4.9185
		180321	-12.17567*	.57162	.000	-14.1998	-10.1515
		190330	-20.47233*	.57162	.000	-22.4965	-18.4482
		200422	1.34100	.57162	.404	-.6832	3.3652
		200428	-7.38233*	.57162	.000	-9.4065	-5.3582
		200518	-17.50233*	.57162	.000	-19.5265	-15.4782
		200602	.41767	.57162	.999	-1.6065	2.4418

161220	161212	5.25900*	.57162	.000	3.2348	7.2832
	160914	-28.41667*	.57162	.000	-30.4408	-26.3925
	170911	8.15333*	.57162	.000	6.1292	10.1775
	180321	-6.91667*	.57162	.000	-8.9408	-4.8925
	190330	-15.21333*	.57162	.000	-17.2375	-13.1892
	200422	6.60000*	.57162	.000	4.5758	8.6242
	200428	-2.12333*	.57162	.035	-4.1475	-.0992
	200518	-12.24333*	.57162	.000	-14.2675	-10.2192
	200602	5.67667*	.57162	.000	3.6525	7.7008
160914	161212	33.67567*	.57162	.000	31.6515	35.6998
	161220	28.41667*	.57162	.000	26.3925	30.4408
	170911	36.57000*	.57162	.000	34.5458	38.5942
	180321	21.50000*	.57162	.000	19.4758	23.5242
	190330	13.20333*	.57162	.000	11.1792	15.2275
	200422	35.01667*	.57162	.000	32.9925	37.0408
	200428	26.29333*	.57162	.000	24.2692	28.3175
	200518	16.17333*	.57162	.000	14.1492	18.1975
	200602	34.09333*	.57162	.000	32.0692	36.1175
170911	161212	-2.89433*	.57162	.002	-4.9185	-.8702
	161220	-8.15333*	.57162	.000	-10.1775	-6.1292
	160914	-36.57000*	.57162	.000	-38.5942	-34.5458
	180321	-15.07000*	.57162	.000	-17.0942	-13.0458
	190330	-23.36667*	.57162	.000	-25.3908	-21.3425
	200422	-1.55333	.57162	.231	-3.5775	.4708
	200428	-10.27667*	.57162	.000	-12.3008	-8.2525
	200518	-20.39667*	.57162	.000	-22.4208	-18.3725
	200602	-2.47667*	.57162	.009	-4.5008	-.4525
180321	161212	12.17567*	.57162	.000	10.1515	14.1998
	161220	6.91667*	.57162	.000	4.8925	8.9408
	160914	-21.50000*	.57162	.000	-23.5242	-19.4758
	170911	15.07000*	.57162	.000	13.0458	17.0942
	190330	-8.29667*	.57162	.000	-10.3208	-6.2725
	200422	13.51667*	.57162	.000	11.4925	15.5408
	200428	4.79333*	.57162	.000	2.7692	6.8175
	200518	-5.32667*	.57162	.000	-7.3508	-3.3025
	200602	12.59333*	.57162	.000	10.5692	14.6175
190330	161212	20.47233*	.57162	.000	18.4482	22.4965
	161220	15.21333*	.57162	.000	13.1892	17.2375
	160914	-13.20333*	.57162	.000	-15.2275	-11.1792
	170911	23.36667*	.57162	.000	21.3425	25.3908
	180321	8.29667*	.57162	.000	6.2725	10.3208
	200422	21.81333*	.57162	.000	19.7892	23.8375
	200428	13.09000*	.57162	.000	11.0658	15.1142

	200518	2.97000*	.57162	.001	.9458	4.9942
	200602	20.89000*	.57162	.000	18.8658	22.9142
200422	161212	-1.34100	.57162	.404	-3.3652	.6832
	161220	-6.60000*	.57162	.000	-8.6242	-4.5758
	160914	-35.01667*	.57162	.000	-37.0408	-32.9925
	170911	1.55333	.57162	.231	-.4708	3.5775
	180321	-13.51667*	.57162	.000	-15.5408	-11.4925
	190330	-21.81333*	.57162	.000	-23.8375	-19.7892
	200428	-8.72333*	.57162	.000	-10.7475	-6.6992
	200518	-18.84333*	.57162	.000	-20.8675	-16.8192
	200602	-.92333	.57162	.826	-2.9475	1.1008
200428	161212	7.38233*	.57162	.000	5.3582	9.4065
	161220	2.12333*	.57162	.035	.0992	4.1475
	160914	-26.29333*	.57162	.000	-28.3175	-24.2692
	170911	10.27667*	.57162	.000	8.2525	12.3008
	180321	-4.79333*	.57162	.000	-6.8175	-2.7692
	190330	-13.09000*	.57162	.000	-15.1142	-11.0658
	200422	8.72333*	.57162	.000	6.6992	10.7475
	200518	-10.12000*	.57162	.000	-12.1442	-8.0958
	200602	7.80000*	.57162	.000	5.7758	9.8242
200518	161212	17.50233*	.57162	.000	15.4782	19.5265
	161220	12.24333*	.57162	.000	10.2192	14.2675
	160914	-16.17333*	.57162	.000	-18.1975	-14.1492
	170911	20.39667*	.57162	.000	18.3725	22.4208
	180321	5.32667*	.57162	.000	3.3025	7.3508
	190330	-2.97000*	.57162	.001	-4.9942	-.9458
	200422	18.84333*	.57162	.000	16.8192	20.8675
	200428	10.12000*	.57162	.000	8.0958	12.1442
	200602	17.92000*	.57162	.000	15.8958	19.9442
200602	161212	-.41767	.57162	.999	-2.4418	1.6065
	161220	-5.67667*	.57162	.000	-7.7008	-3.6525
	160914	-34.09333*	.57162	.000	-36.1175	-32.0692
	170911	2.47667*	.57162	.009	.4525	4.5008
	180321	-12.59333*	.57162	.000	-14.6175	-10.5692
	190330	-20.89000*	.57162	.000	-22.9142	-18.8658
	200422	.92333	.57162	.826	-1.1008	2.9475
	200428	-7.80000*	.57162	.000	-9.8242	-5.7758
	200518	-17.92000*	.57162	.000	-19.9442	-15.8958

*.The significance level of the difference between the averages is 0.05.

Table.S5 The post hoc comparison results of Angustidine among ten batch *N.officinalis* herbs

	(I) Batch	(J) batch	Mean Difference (I-J)	Standard Error	Significance	95% confidence interval	
						Lower limit	Upper limit
Tukey HSD	161212	161220	2.37233*	.30612	.000	1.2883	3.4563
		160914	11.31900*	.30612	.000	10.2350	12.4030
		170911	-48.27100*	.30612	.000	-49.3550	-47.1870
		180321	17.33233*	.30612	.000	16.2483	18.4163
		190330	-18.85100*	.30612	.000	-19.9350	-17.7670
		200422	-15.64433*	.30612	.000	-16.7283	-14.5603
		200428	24.60567*	.30612	.000	23.5217	25.6897
		200518	24.38900*	.30612	.000	23.3050	25.4730
		200602	27.05233*	.30612	.000	25.9683	28.1363
			161220	161212	-2.37233*	.30612	.000
160914	8.94667*			.30612	.000	7.8627	10.0307
170911	-50.64333*			.30612	.000	-51.7273	-49.5593
180321	14.96000*			.30612	.000	13.8760	16.0440
190330	-21.22333*			.30612	.000	-22.3073	-20.1393
200422	-18.01667*			.30612	.000	-19.1007	-16.9327
200428	22.23333*			.30612	.000	21.1493	23.3173
200518	22.01667*			.30612	.000	20.9327	23.1007
200602	24.68000*			.30612	.000	23.5960	25.7640
	160914			161212	-11.31900*	.30612	.000
		161220	-8.94667*	.30612	.000	-10.0307	-7.8627
		170911	-59.59000*	.30612	.000	-60.6740	-58.5060
		180321	6.01333*	.30612	.000	4.9293	7.0973
		190330	-30.17000*	.30612	.000	-31.2540	-29.0860
		200422	-26.96333*	.30612	.000	-28.0473	-25.8793
		200428	13.28667*	.30612	.000	12.2027	14.3707
		200518	13.07000*	.30612	.000	11.9860	14.1540
		200602	15.73333*	.30612	.000	14.6493	16.8173
			170911	161212	48.27100*	.30612	.000
161220	50.64333*			.30612	.000	49.5593	51.7273
160914	59.59000*			.30612	.000	58.5060	60.6740
180321	65.60333*			.30612	.000	64.5193	66.6873
190330	29.42000*			.30612	.000	28.3360	30.5040
200422	32.62667*			.30612	.000	31.5427	33.7107
200428	72.87667*			.30612	.000	71.7927	73.9607
200518	72.66000*			.30612	.000	71.5760	73.7440
200602	75.32333*			.30612	.000	74.2393	76.4073
	180321			161212	-17.33233*	.30612	.000
		161220	-14.96000*	.30612	.000	-16.0440	-13.8760
		160914	-6.01333*	.30612	.000	-7.0973	-4.9293

	170911	-65.60333*	.30612	.000	-66.6873	-64.5193
	190330	-36.18333*	.30612	.000	-37.2673	-35.0993
	200422	-32.97667*	.30612	.000	-34.0607	-31.8927
	200428	7.27333*	.30612	.000	6.1893	8.3573
	200518	7.05667*	.30612	.000	5.9727	8.1407
	200602	9.72000*	.30612	.000	8.6360	10.8040
190330	161212	18.85100*	.30612	.000	17.7670	19.9350
	161220	21.22333*	.30612	.000	20.1393	22.3073
	160914	30.17000*	.30612	.000	29.0860	31.2540
	170911	-29.42000*	.30612	.000	-30.5040	-28.3360
	180321	36.18333*	.30612	.000	35.0993	37.2673
	200422	3.20667*	.30612	.000	2.1227	4.2907
	200428	43.45667*	.30612	.000	42.3727	44.5407
	200518	43.24000*	.30612	.000	42.1560	44.3240
	200602	45.90333*	.30612	.000	44.8193	46.9873
200422	161212	15.64433*	.30612	.000	14.5603	16.7283
	161220	18.01667*	.30612	.000	16.9327	19.1007
	160914	26.96333*	.30612	.000	25.8793	28.0473
	170911	-32.62667*	.30612	.000	-33.7107	-31.5427
	180321	32.97667*	.30612	.000	31.8927	34.0607
	190330	-3.20667*	.30612	.000	-4.2907	-2.1227
	200428	40.25000*	.30612	.000	39.1660	41.3340
	200518	40.03333*	.30612	.000	38.9493	41.1173
	200602	42.69667*	.30612	.000	41.6127	43.7807
200428	161212	-24.60567*	.30612	.000	-25.6897	-23.5217
	161220	-22.23333*	.30612	.000	-23.3173	-21.1493
	160914	-13.28667*	.30612	.000	-14.3707	-12.2027
	170911	-72.87667*	.30612	.000	-73.9607	-71.7927
	180321	-7.27333*	.30612	.000	-8.3573	-6.1893
	190330	-43.45667*	.30612	.000	-44.5407	-42.3727
	200422	-40.25000*	.30612	.000	-41.3340	-39.1660
	200518	-.21667	.30612	.999	-1.3007	.8673
	200602	2.44667*	.30612	.000	1.3627	3.5307
200518	161212	-24.38900*	.30612	.000	-25.4730	-23.3050
	161220	-22.01667*	.30612	.000	-23.1007	-20.9327
	160914	-13.07000*	.30612	.000	-14.1540	-11.9860
	170911	-72.66000*	.30612	.000	-73.7440	-71.5760
	180321	-7.05667*	.30612	.000	-8.1407	-5.9727
	190330	-43.24000*	.30612	.000	-44.3240	-42.1560
	200422	-40.03333*	.30612	.000	-41.1173	-38.9493
	200428	.21667	.30612	.999	-.8673	1.3007
	200602	2.66333*	.30612	.000	1.5793	3.7473
200602	161212	-27.05233*	.30612	.000	-28.1363	-25.9683

161220	-24.68000*	.30612	.000	-25.7640	-23.5960
160914	-15.73333*	.30612	.000	-16.8173	-14.6493
170911	-75.32333*	.30612	.000	-76.4073	-74.2393
180321	-9.72000*	.30612	.000	-10.8040	-8.6360
190330	-45.90333*	.30612	.000	-46.9873	-44.8193
200422	-42.69667*	.30612	.000	-43.7807	-41.6127
200428	-2.44667*	.30612	.000	-3.5307	-1.3627
200518	-2.66333*	.30612	.000	-3.7473	-1.5793

*.The significance level of the difference between the averages is 0.05.

Table.S6 The post hoc comparison results of Angustoline among ten batch *N.officinalis* herbs

	(I) Batch	(J) batch	Mean Difference (I-J)	Standard Error	Significance	95% confidence interval	
						Lower limit	Upper limit
Tukey HSD	161212	161220	-1.66600*	.22228	.000	-2.4531	-.8789
		160914	4.26067*	.22228	.000	3.4735	5.0478
		170911	-67.73267*	.22228	.000	-68.5198	-66.9455
		180321	15.02400*	.22228	.000	14.2369	15.8111
		190330	-30.06933*	.22228	.000	-30.8565	-29.2822
		200422	-224.50600*	.22228	.000	-225.2931	-223.7189
		200428	11.69067*	.22228	.000	10.9035	12.4778
		200518	14.82400*	.22228	.000	14.0369	15.6111
		200602	23.17400*	.22228	.000	22.3869	23.9611
			161220	161212	1.66600*	.22228	.000
160914	5.92667*			.22228	.000	5.1395	6.7138
170911	-66.06667*			.22228	.000	-66.8538	-65.2795
180321	16.69000*			.22228	.000	15.9029	17.4771
190330	-28.40333*			.22228	.000	-29.1905	-27.6162
200422	-222.84000*			.22228	.000	-223.6271	-222.0529
200428	13.35667*			.22228	.000	12.5695	14.1438
200518	16.49000*			.22228	.000	15.7029	17.2771
200602	24.84000*			.22228	.000	24.0529	25.6271
	160914			161212	-4.26067*	.22228	.000
		161220	-5.92667*	.22228	.000	-6.7138	-5.1395
		170911	-71.99333*	.22228	.000	-72.7805	-71.2062
		180321	10.76333*	.22228	.000	9.9762	11.5505
		190330	-34.33000*	.22228	.000	-35.1171	-33.5429
		200422	-228.76667*	.22228	.000	-229.5538	-227.9795
		200428	7.43000*	.22228	.000	6.6429	8.2171
		200518	10.56333*	.22228	.000	9.7762	11.3505
		200602	18.91333*	.22228	.000	18.1262	19.7005
			170911	161212	67.73267*	.22228	.000
161220	66.06667*			.22228	.000	65.2795	66.8538

	160914	71.99333*	.22228	.000	71.2062	72.7805
	180321	82.75667*	.22228	.000	81.9695	83.5438
	190330	37.66333*	.22228	.000	36.8762	38.4505
	200422	-156.77333*	.22228	.000	-157.5605	-155.9862
	200428	79.42333*	.22228	.000	78.6362	80.2105
	200518	82.55667*	.22228	.000	81.7695	83.3438
	200602	90.90667*	.22228	.000	90.1195	91.6938
180321	161212	-15.02400*	.22228	.000	-15.8111	-14.2369
	161220	-16.69000*	.22228	.000	-17.4771	-15.9029
	160914	-10.76333*	.22228	.000	-11.5505	-9.9762
	170911	-82.75667*	.22228	.000	-83.5438	-81.9695
	190330	-45.09333*	.22228	.000	-45.8805	-44.3062
	200422	-239.53000*	.22228	.000	-240.3171	-238.7429
	200428	-3.33333*	.22228	.000	-4.1205	-2.5462
	200518	-.20000	.22228	.995	-.9871	.5871
	200602	8.15000*	.22228	.000	7.3629	8.9371
190330	161212	30.06933*	.22228	.000	29.2822	30.8565
	161220	28.40333*	.22228	.000	27.6162	29.1905
	160914	34.33000*	.22228	.000	33.5429	35.1171
	170911	-37.66333*	.22228	.000	-38.4505	-36.8762
	180321	45.09333*	.22228	.000	44.3062	45.8805
	200422	-194.43667*	.22228	.000	-195.2238	-193.6495
	200428	41.76000*	.22228	.000	40.9729	42.5471
	200518	44.89333*	.22228	.000	44.1062	45.6805
	200602	53.24333*	.22228	.000	52.4562	54.0305
200422	161212	224.50600*	.22228	.000	223.7189	225.2931
	161220	222.84000*	.22228	.000	222.0529	223.6271
	160914	228.76667*	.22228	.000	227.9795	229.5538
	170911	156.77333*	.22228	.000	155.9862	157.5605
	180321	239.53000*	.22228	.000	238.7429	240.3171
	190330	194.43667*	.22228	.000	193.6495	195.2238
	200428	236.19667*	.22228	.000	235.4095	236.9838
	200518	239.33000*	.22228	.000	238.5429	240.1171
	200602	247.68000*	.22228	.000	246.8929	248.4671
200428	161212	-11.69067*	.22228	.000	-12.4778	-10.9035
	161220	-13.35667*	.22228	.000	-14.1438	-12.5695
	160914	-7.43000*	.22228	.000	-8.2171	-6.6429
	170911	-79.42333*	.22228	.000	-80.2105	-78.6362
	180321	3.33333*	.22228	.000	2.5462	4.1205
	190330	-41.76000*	.22228	.000	-42.5471	-40.9729
	200422	-236.19667*	.22228	.000	-236.9838	-235.4095
	200518	3.13333*	.22228	.000	2.3462	3.9205
	200602	11.48333*	.22228	.000	10.6962	12.2705

200518	161212	-14.82400*	.22228	.000	-15.6111	-14.0369
	161220	-16.49000*	.22228	.000	-17.2771	-15.7029
	160914	-10.56333*	.22228	.000	-11.3505	-9.7762
	170911	-82.55667*	.22228	.000	-83.3438	-81.7695
	180321	.20000	.22228	.995	-.5871	.9871
	190330	-44.89333*	.22228	.000	-45.6805	-44.1062
	200422	-239.33000*	.22228	.000	-240.1171	-238.5429
	200428	-3.13333*	.22228	.000	-3.9205	-2.3462
	200602	8.35000*	.22228	.000	7.5629	9.1371
200602	161212	-23.17400*	.22228	.000	-23.9611	-22.3869
	161220	-24.84000*	.22228	.000	-25.6271	-24.0529
	160914	-18.91333*	.22228	.000	-19.7005	-18.1262
	170911	-90.90667*	.22228	.000	-91.6938	-90.1195
	180321	-8.15000*	.22228	.000	-8.9371	-7.3629
	190330	-53.24333*	.22228	.000	-54.0305	-52.4562
	200422	-247.68000*	.22228	.000	-248.4671	-246.8929
	200428	-11.48333*	.22228	.000	-12.2705	-10.6962
	200518	-8.35000*	.22228	.000	-9.1371	-7.5629

*.The significance level of the difference between the averages is 0.05.

Table.S7 The post hoc comparison results of (3*S*,19*S*)-3,14-dihydroangustoline, $[\alpha]_D^{20}$: (-)191° among ten batch *N.officinalis* herbs

	(I) Batch	(J) batch	Mean Difference	Standard	Significance	95% confidence interval	
			(I-J)	Error		Lower limit	Upper limit
Tukey HSD	161212	161220	5.21400*	1.21367	.010	.9163	9.5117
		160914	.53733	1.21367	1.000	-3.7604	4.8351
		170911	-83.75267*	1.21367	.000	-88.0504	-79.4549
		180321	22.08067*	1.21367	.000	17.7829	26.3784
		190330	-36.23267*	1.21367	.000	-40.5304	-31.9349
		200422	-384.97933*	1.21367	.000	-389.2771	-380.6816
		200428	.79400	1.21367	1.000	-3.5037	5.0917
		200518	4.41733*	1.21367	.041	.1196	8.7151
		200602	16.75067*	1.21367	.000	12.4529	21.0484
	161220	161212	-5.21400*	1.21367	.010	-9.5117	-9.9163
		160914	-4.67667*	1.21367	.026	-8.9744	-3.789
		170911	-88.96667*	1.21367	.000	-93.2644	-84.6689
		180321	16.86667*	1.21367	.000	12.5689	21.1644
		190330	-41.44667*	1.21367	.000	-45.7444	-37.1489
		200422	-390.19333*	1.21367	.000	-394.4911	-385.8956
		200428	-4.42000*	1.21367	.041	-8.7177	-1.1223
		200518	-.79667	1.21367	1.000	-5.0944	3.5011
		200602	11.53667*	1.21367	.000	7.2389	15.8344

160914	161212	-.53733	1.21367	1.000	-4.8351	3.7604
	161220	4.67667*	1.21367	.026	.3789	8.9744
	170911	-84.29000*	1.21367	.000	-88.5877	-79.9923
	180321	21.54333*	1.21367	.000	17.2456	25.8411
	190330	-36.77000*	1.21367	.000	-41.0677	-32.4723
	200422	-385.51667*	1.21367	.000	-389.8144	-381.2189
	200428	.25667	1.21367	1.000	-4.0411	4.5544
	200518	3.88000	1.21367	.098	-.4177	8.1777
	200602	16.21333*	1.21367	.000	11.9156	20.5111
170911	161212	83.75267*	1.21367	.000	79.4549	88.0504
	161220	88.96667*	1.21367	.000	84.6689	93.2644
	160914	84.29000*	1.21367	.000	79.9923	88.5877
	180321	105.83333*	1.21367	.000	101.5356	110.1311
	190330	47.52000*	1.21367	.000	43.2223	51.8177
	200422	-301.22667*	1.21367	.000	-305.5244	-296.9289
	200428	84.54667*	1.21367	.000	80.2489	88.8444
	200518	88.17000*	1.21367	.000	83.8723	92.4677
	200602	100.50333*	1.21367	.000	96.2056	104.8011
180321	161212	-22.08067*	1.21367	.000	-26.3784	-17.7829
	161220	-16.86667*	1.21367	.000	-21.1644	-12.5689
	160914	-21.54333*	1.21367	.000	-25.8411	-17.2456
	170911	-105.83333*	1.21367	.000	-110.1311	-101.5356
	190330	-58.31333*	1.21367	.000	-62.6111	-54.0156
	200422	-407.06000*	1.21367	.000	-411.3577	-402.7623
	200428	-21.28667*	1.21367	.000	-25.5844	-16.9889
	200518	-17.66333*	1.21367	.000	-21.9611	-13.3656
	200602	-5.33000*	1.21367	.008	-9.6277	-1.0323
190330	161212	36.23267*	1.21367	.000	31.9349	40.5304
	161220	41.44667*	1.21367	.000	37.1489	45.7444
	160914	36.77000*	1.21367	.000	32.4723	41.0677
	170911	-47.52000*	1.21367	.000	-51.8177	-43.2223
	180321	58.31333*	1.21367	.000	54.0156	62.6111
	200422	-348.74667*	1.21367	.000	-353.0444	-344.4489
	200428	37.02667*	1.21367	.000	32.7289	41.3244
	200518	40.65000*	1.21367	.000	36.3523	44.9477
	200602	52.98333*	1.21367	.000	48.6856	57.2811
200422	161212	384.97933*	1.21367	.000	380.6816	389.2771
	161220	390.19333*	1.21367	.000	385.8956	394.4911
	160914	385.51667*	1.21367	.000	381.2189	389.8144
	170911	301.22667*	1.21367	.000	296.9289	305.5244
	180321	407.06000*	1.21367	.000	402.7623	411.3577
	190330	348.74667*	1.21367	.000	344.4489	353.0444
	200428	385.77333*	1.21367	.000	381.4756	390.0711

	200518	389.39667*	1.21367	.000	385.0989	393.6944
	200602	401.73000*	1.21367	.000	397.4323	406.0277
200428	161212	-.79400	1.21367	1.000	-5.0917	3.5037
	161220	4.42000*	1.21367	.041	.1223	8.7177
	160914	-.25667	1.21367	1.000	-4.5544	4.0411
	170911	-84.54667*	1.21367	.000	-88.8444	-80.2489
	180321	21.28667*	1.21367	.000	16.9889	25.5844
	190330	-37.02667*	1.21367	.000	-41.3244	-32.7289
	200422	-385.77333*	1.21367	.000	-390.0711	-381.4756
	200518	3.62333	1.21367	.146	-.6744	7.9211
	200602	15.95667*	1.21367	.000	11.6589	20.2544
200518	161212	-4.41733*	1.21367	.041	-8.7151	-.1196
	161220	.79667	1.21367	1.000	-3.5011	5.0944
	160914	-3.88000	1.21367	.098	-8.1777	.4177
	170911	-88.17000*	1.21367	.000	-92.4677	-83.8723
	180321	17.66333*	1.21367	.000	13.3656	21.9611
	190330	-40.65000*	1.21367	.000	-44.9477	-36.3523
	200422	-389.39667*	1.21367	.000	-393.6944	-385.0989
	200428	-3.62333	1.21367	.146	-7.9211	.6744
	200602	12.33333*	1.21367	.000	8.0356	16.6311
200602	161212	-16.75067*	1.21367	.000	-21.0484	-12.4529
	161220	-11.53667*	1.21367	.000	-15.8344	-7.2389
	160914	-16.21333*	1.21367	.000	-20.5111	-11.9156
	170911	-100.50333*	1.21367	.000	-104.8011	-96.2056
	180321	5.33000*	1.21367	.008	1.0323	9.6277
	190330	-52.98333*	1.21367	.000	-57.2811	-48.6856
	200422	-401.73000*	1.21367	.000	-406.0277	-397.4323
	200428	-15.95667*	1.21367	.000	-20.2544	-11.6589
	200518	-12.33333*	1.21367	.000	-16.6311	-8.0356

*.The significance level of the difference between the averages is 0.05.

Table.S8 The post hoc comparison results of(3S,19R)-3,14-dihydroangustoline, $[\alpha]_D^{20}$: (-) 294.7°, among ten batch *N.officinalis* herbs

	(I) Batch	(J) batch	Mean Difference (I-J)	Standard Error	Significance	95% confidence interval	
						Lower limit	Upper limit
Tukey HSD	161212	161220	12.16733*	1.31293	.000	7.5181	16.8166
		160914	7.55400*	1.31293	.000	2.9048	12.2032
		170911	-98.44600*	1.31293	.000	-103.0952	-93.7968
		180321	38.51067*	1.31293	.000	33.8614	43.1599
		190330	-50.18267*	1.31293	.000	-54.8319	-45.5334
		200422	-447.89600*	1.31293	.000	-452.5452	-443.2468
		200428	6.86733*	1.31293	.001	2.2181	11.5166

	200518	12.85733*	1.31293	.000	8.2081	17.5066
	200602	24.90733*	1.31293	.000	20.2581	29.5566
161220	161212	-12.16733*	1.31293	.000	-16.8166	-7.5181
	160914	-4.61333	1.31293	.053	-9.2626	.0359
	170911	-110.61333*	1.31293	.000	-115.2626	-105.9641
	180321	26.34333*	1.31293	.000	21.6941	30.9926
	190330	-62.35000*	1.31293	.000	-66.9992	-57.7008
	200422	-460.06333*	1.31293	.000	-464.7126	-455.4141
	200428	-5.30000*	1.31293	.018	-9.9492	-.6508
	200518	.69000	1.31293	1.000	-3.9592	5.3392
	200602	12.74000*	1.31293	.000	8.0908	17.3892
160914	161212	-7.55400*	1.31293	.000	-12.2032	-2.9048
	161220	4.61333	1.31293	.053	-.0359	9.2626
	170911	-106.00000*	1.31293	.000	-110.6492	-101.3508
	180321	30.95667*	1.31293	.000	26.3074	35.6059
	190330	-57.73667*	1.31293	.000	-62.3859	-53.0874
	200422	-455.45000*	1.31293	.000	-460.0992	-450.8008
	200428	-.68667	1.31293	1.000	-5.3359	3.9626
	200518	5.30333*	1.31293	.018	.6541	9.9526
	200602	17.35333*	1.31293	.000	12.7041	22.0026
170911	161212	98.44600*	1.31293	.000	93.7968	103.0952
	161220	110.61333*	1.31293	.000	105.9641	115.2626
	160914	106.00000*	1.31293	.000	101.3508	110.6492
	180321	136.95667*	1.31293	.000	132.3074	141.6059
	190330	48.26333*	1.31293	.000	43.6141	52.9126
	200422	-349.45000*	1.31293	.000	-354.0992	-344.8008
	200428	105.31333*	1.31293	.000	100.6641	109.9626
	200518	111.30333*	1.31293	.000	106.6541	115.9526
	200602	123.35333*	1.31293	.000	118.7041	128.0026
180321	161212	-38.51067*	1.31293	.000	-43.1599	-33.8614
	161220	-26.34333*	1.31293	.000	-30.9926	-21.6941
	160914	-30.95667*	1.31293	.000	-35.6059	-26.3074
	170911	-136.95667*	1.31293	.000	-141.6059	-132.3074
	190330	-88.69333*	1.31293	.000	-93.3426	-84.0441
	200422	-486.40667*	1.31293	.000	-491.0559	-481.7574
	200428	-31.64333*	1.31293	.000	-36.2926	-26.9941
	200518	-25.65333*	1.31293	.000	-30.3026	-21.0041
	200602	-13.60333*	1.31293	.000	-18.2526	-8.9541
190330	161212	50.18267*	1.31293	.000	45.5334	54.8319
	161220	62.35000*	1.31293	.000	57.7008	66.9992
	160914	57.73667*	1.31293	.000	53.0874	62.3859
	170911	-48.26333*	1.31293	.000	-52.9126	-43.6141
	180321	88.69333*	1.31293	.000	84.0441	93.3426

	200422	-397.71333*	1.31293	.000	-402.3626	-393.0641
	200428	57.05000*	1.31293	.000	52.4008	61.6992
	200518	63.04000*	1.31293	.000	58.3908	67.6892
	200602	75.09000*	1.31293	.000	70.4408	79.7392
200422	161212	447.89600*	1.31293	.000	443.2468	452.5452
	161220	460.06333*	1.31293	.000	455.4141	464.7126
	160914	455.45000*	1.31293	.000	450.8008	460.0992
	170911	349.45000*	1.31293	.000	344.8008	354.0992
	180321	486.40667*	1.31293	.000	481.7574	491.0559
	190330	397.71333*	1.31293	.000	393.0641	402.3626
	200428	454.76333*	1.31293	.000	450.1141	459.4126
	200518	460.75333*	1.31293	.000	456.1041	465.4026
	200602	472.80333*	1.31293	.000	468.1541	477.4526
200428	161212	-6.86733*	1.31293	.001	-11.5166	-2.2181
	161220	5.30000*	1.31293	.018	.6508	9.9492
	160914	.68667	1.31293	1.000	-3.9626	5.3359
	170911	-105.31333*	1.31293	.000	-109.9626	-100.6641
	180321	31.64333*	1.31293	.000	26.9941	36.2926
	190330	-57.05000*	1.31293	.000	-61.6992	-52.4008
	200422	-454.76333*	1.31293	.000	-459.4126	-450.1141
	200518	5.99000*	1.31293	.006	1.3408	10.6392
	200602	18.04000*	1.31293	.000	13.3908	22.6892
200518	161212	-12.85733*	1.31293	.000	-17.5066	-8.2081
	161220	-.69000	1.31293	1.000	-5.3392	3.9592
	160914	-5.30333*	1.31293	.018	-9.9526	-.6541
	170911	-111.30333*	1.31293	.000	-115.9526	-106.6541
	180321	25.65333*	1.31293	.000	21.0041	30.3026
	190330	-63.04000*	1.31293	.000	-67.6892	-58.3908
	200422	-460.75333*	1.31293	.000	-465.4026	-456.1041
	200428	-5.99000*	1.31293	.006	-10.6392	-1.3408
	200602	12.05000*	1.31293	.000	7.4008	16.6992
200602	161212	-24.90733*	1.31293	.000	-29.5566	-20.2581
	161220	-12.74000*	1.31293	.000	-17.3892	-8.0908
	160914	-17.35333*	1.31293	.000	-22.0026	-12.7041
	170911	-123.35333*	1.31293	.000	-128.0026	-118.7041
	180321	13.60333*	1.31293	.000	8.9541	18.2526
	190330	-75.09000*	1.31293	.000	-79.7392	-70.4408
	200422	-472.80333*	1.31293	.000	-477.4526	-468.1541
	200428	-18.04000*	1.31293	.000	-22.6892	-13.3908
	200518	-12.05000*	1.31293	.000	-16.6992	-7.4008

*.The significance level of the difference between the averages is 0.05.

Table.S9 The post hoc comparison results of Strictosamide among ten batch *N.officinalis* herbs

	(I) Batch	(J) batch	Mean Difference (I-J)	Standard Error	Significance	95% confidence interval Lower limit Upper limit	
Tukey HSD	161212	161220	230.10600*	12.93647	.000	184.2965	275.9155
		160914	1052.99267*	12.93647	.000	1007.1832	1098.8021
		170911	1254.93267*	12.93647	.000	1209.1232	1300.7421
		180321	1147.57267*	12.93647	.000	1101.7632	1193.3821
		190330	855.31933*	12.93647	.000	809.5099	901.1288
		200422	159.45267*	12.93647	.000	113.6432	205.2621
		200428	1481.18267*	12.93647	.000	1435.3732	1526.9921
		200518	1483.78600*	12.93647	.000	1437.9765	1529.5955
	200602	-651.89400*	12.93647	.000	-697.7035	-606.0845	
	161220	161212	-230.10600*	12.93647	.000	-275.9155	-184.2965
		160914	822.88667*	12.93647	.000	777.0772	868.6961
		170911	1024.82667*	12.93647	.000	979.0172	1070.6361
		180321	917.46667*	12.93647	.000	871.6572	963.2761
		190330	625.21333*	12.93647	.000	579.4039	671.0228
		200422	-70.65333*	12.93647	.001	-116.4628	-24.8439
		200428	1251.07667*	12.93647	.000	1205.2672	1296.8861
200518		1253.68000*	12.93647	.000	1207.8705	1299.4895	
200602	-882.00000*	12.93647	.000	-927.8095	-836.1905		
160914	161212	-1052.99267*	12.93647	.000	-1098.8021	-1007.1832	
	161220	-822.88667*	12.93647	.000	-868.6961	-777.0772	
	170911	201.94000*	12.93647	.000	156.1305	247.7495	
	180321	94.58000*	12.93647	.000	48.7705	140.3895	
	190330	-197.67333*	12.93647	.000	-243.4828	-151.8639	
	200422	-893.54000*	12.93647	.000	-939.3495	-847.7305	
	200428	428.19000*	12.93647	.000	382.3805	473.9995	
	200518	430.79333*	12.93647	.000	384.9839	476.6028	
200602	-1704.88667*	12.93647	.000	-1750.6961	-1659.0772		
170911	161212	-1254.93267*	12.93647	.000	-1300.7421	-1209.1232	
	161220	-1024.82667*	12.93647	.000	-1070.6361	-979.0172	
	160914	-201.94000*	12.93647	.000	-247.7495	-156.1305	
	180321	-107.36000*	12.93647	.000	-153.1695	-61.5505	
	190330	-399.61333*	12.93647	.000	-445.4228	-353.8039	
	200422	-1095.48000*	12.93647	.000	-1141.2895	-1049.6705	
	200428	226.25000*	12.93647	.000	180.4405	272.0595	
	200518	228.85333*	12.93647	.000	183.0439	274.6628	
200602	-1906.82667*	12.93647	.000	-1952.6361	-1861.0172		
180321	161212	-1147.57267*	12.93647	.000	-1193.3821	-1101.7632	
	161220	-917.46667*	12.93647	.000	-963.2761	-871.6572	
	160914	-94.58000*	12.93647	.000	-140.3895	-48.7705	
	170911	107.36000*	12.93647	.000	61.5505	153.1695	

	190330	-292.25333*	12.93647	.000	-338.0628	-246.4439
	200422	-988.12000*	12.93647	.000	-1033.9295	-942.3105
	200428	333.61000*	12.93647	.000	287.8005	379.4195
	200518	336.21333*	12.93647	.000	290.4039	382.0228
	200602	-1799.46667*	12.93647	.000	-1845.2761	-1753.6572
190330	161212	-855.31933*	12.93647	.000	-901.1288	-809.5099
	161220	-625.21333*	12.93647	.000	-671.0228	-579.4039
	160914	197.67333*	12.93647	.000	151.8639	243.4828
	170911	399.61333*	12.93647	.000	353.8039	445.4228
	180321	292.25333*	12.93647	.000	246.4439	338.0628
	200422	-695.86667*	12.93647	.000	-741.6761	-650.0572
	200428	625.86333*	12.93647	.000	580.0539	671.6728
	200518	628.46667*	12.93647	.000	582.6572	674.2761
	200602	-1507.21333*	12.93647	.000	-1553.0228	-1461.4039
200422	161212	-159.45267*	12.93647	.000	-205.2621	-113.6432
	161220	70.65333*	12.93647	.001	24.8439	116.4628
	160914	893.54000*	12.93647	.000	847.7305	939.3495
	170911	1095.48000*	12.93647	.000	1049.6705	1141.2895
	180321	988.12000*	12.93647	.000	942.3105	1033.9295
	190330	695.86667*	12.93647	.000	650.0572	741.6761
	200428	1321.73000*	12.93647	.000	1275.9205	1367.5395
	200518	1324.33333*	12.93647	.000	1278.5239	1370.1428
	200602	-811.34667*	12.93647	.000	-857.1561	-765.5372
200428	161212	-1481.18267*	12.93647	.000	-1526.9921	-1435.3732
	161220	-1251.07667*	12.93647	.000	-1296.8861	-1205.2672
	160914	-428.19000*	12.93647	.000	-473.9995	-382.3805
	170911	-226.25000*	12.93647	.000	-272.0595	-180.4405
	180321	-333.61000*	12.93647	.000	-379.4195	-287.8005
	190330	-625.86333*	12.93647	.000	-671.6728	-580.0539
	200422	-1321.73000*	12.93647	.000	-1367.5395	-1275.9205
	200518	2.60333	12.93647	1.000	-43.2061	48.4128
	200602	-2133.07667*	12.93647	.000	-2178.8861	-2087.2672
200518	161212	-1483.78600*	12.93647	.000	-1529.5955	-1437.9765
	161220	-1253.68000*	12.93647	.000	-1299.4895	-1207.8705
	160914	-430.79333*	12.93647	.000	-476.6028	-384.9839
	170911	-228.85333*	12.93647	.000	-274.6628	-183.0439
	180321	-336.21333*	12.93647	.000	-382.0228	-290.4039
	190330	-628.46667*	12.93647	.000	-674.2761	-582.6572
	200422	-1324.33333*	12.93647	.000	-1370.1428	-1278.5239
	200428	-2.60333	12.93647	1.000	-48.4128	43.2061
	200602	-2135.68000*	12.93647	.000	-2181.4895	-2089.8705
200602	161212	651.89400*	12.93647	.000	606.0845	697.7035
	161220	882.00000*	12.93647	.000	836.1905	927.8095

160914	1704.88667*	12.93647	.000	1659.0772	1750.6961
170911	1906.82667*	12.93647	.000	1861.0172	1952.6361
180321	1799.46667*	12.93647	.000	1753.6572	1845.2761
190330	1507.21333*	12.93647	.000	1461.4039	1553.0228
200422	811.34667*	12.93647	.000	765.5372	857.1561
200428	2133.07667*	12.93647	.000	2087.2672	2178.8861
200518	2135.68000*	12.93647	.000	2089.8705	2181.4895

*.The significance level of the difference between the averages is 0.05.

Table.S10 The post hoc comparison results of Angustine among ten batch *N.officinalis* herbs

	(I) Batch	(J) batch	Mean Difference (I-J)	Standard Error	Significanc e	95% confidence interval Lower limit Upper limit	
Tukey HSD	161212	161220	1.07933*	.29441	.039	.0368	2.1219
		160914	.32600	.29441	.978	-.7166	1.3686
		170911	-24.03067*	.29441	.000	-25.0732	-22.9881
		180321	4.56933*	.29441	.000	3.5268	5.6119
		190330	-30.25067*	.29441	.000	-31.2932	-29.2081
		200422	-179.32400*	.29441	.000	-180.3666	-178.2814
		200428	.82600	.29441	.200	-.2166	1.8686
		200518	5.87600*	.29441	.000	4.8334	6.9186
		200602	8.85600*	.29441	.000	7.8134	9.8986
			161220	161212	-1.07933*	.29441	.039
160914	-.75333			.29441	.297	-1.7959	.2892
170911	-25.11000*			.29441	.000	-26.1526	-24.0674
180321	3.49000*			.29441	.000	2.4474	4.5326
190330	-31.33000*			.29441	.000	-32.3726	-30.2874
200422	-180.40333*			.29441	.000	-181.4459	-179.3608
200428	-.25333			.29441	.996	-1.2959	.7892
200518	4.79667*			.29441	.000	3.7541	5.8392
200602	7.77667*			.29441	.000	6.7341	8.8192
	160914			161212	-.32600	.29441	.978
		161220	.75333	.29441	.297	-.2892	1.7959
		170911	-24.35667*	.29441	.000	-25.3992	-23.3141
		180321	4.24333*	.29441	.000	3.2008	5.2859
		190330	-30.57667*	.29441	.000	-31.6192	-29.5341
		200422	-179.65000*	.29441	.000	-180.6926	-178.6074
		200428	.50000	.29441	.784	-.5426	1.5426
		200518	5.55000*	.29441	.000	4.5074	6.5926
		200602	8.53000*	.29441	.000	7.4874	9.5726
			170911	161212	24.03067*	.29441	.000

	161220	25.11000*	.29441	.000	24.0674	26.1526
	160914	24.35667*	.29441	.000	23.3141	25.3992
	180321	28.60000*	.29441	.000	27.5574	29.6426
	190330	-6.22000*	.29441	.000	-7.2626	-5.1774
	200422	-155.29333*	.29441	.000	-156.3359	-154.2508
	200428	24.85667*	.29441	.000	23.8141	25.8992
	200518	29.90667*	.29441	.000	28.8641	30.9492
	200602	32.88667*	.29441	.000	31.8441	33.9292
180321	161212	-4.56933*	.29441	.000	-5.6119	-3.5268
	161220	-3.49000*	.29441	.000	-4.5326	-2.4474
	160914	-4.24333*	.29441	.000	-5.2859	-3.2008
	170911	-28.60000*	.29441	.000	-29.6426	-27.5574
	190330	-34.82000*	.29441	.000	-35.8626	-33.7774
	200422	-183.89333*	.29441	.000	-184.9359	-182.8508
	200428	-3.74333*	.29441	.000	-4.7859	-2.7008
	200518	1.30667*	.29441	.007	.2641	2.3492
	200602	4.28667*	.29441	.000	3.2441	5.3292
190330	161212	30.25067*	.29441	.000	29.2081	31.2932
	161220	31.33000*	.29441	.000	30.2874	32.3726
	160914	30.57667*	.29441	.000	29.5341	31.6192
	170911	6.22000*	.29441	.000	5.1774	7.2626
	180321	34.82000*	.29441	.000	33.7774	35.8626
	200422	-149.07333*	.29441	.000	-150.1159	-148.0308
	200428	31.07667*	.29441	.000	30.0341	32.1192
	200518	36.12667*	.29441	.000	35.0841	37.1692
	200602	39.10667*	.29441	.000	38.0641	40.1492
200422	161212	179.32400*	.29441	.000	178.2814	180.3666
	161220	180.40333*	.29441	.000	179.3608	181.4459
	160914	179.65000*	.29441	.000	178.6074	180.6926
	170911	155.29333*	.29441	.000	154.2508	156.3359
	180321	183.89333*	.29441	.000	182.8508	184.9359
	190330	149.07333*	.29441	.000	148.0308	150.1159
	200428	180.15000*	.29441	.000	179.1074	181.1926
	200518	185.20000*	.29441	.000	184.1574	186.2426
	200602	188.18000*	.29441	.000	187.1374	189.2226
200428	161212	-.82600	.29441	.200	-1.8686	.2166
	161220	.25333	.29441	.996	-.7892	1.2959
	160914	-.50000	.29441	.784	-1.5426	.5426
	170911	-24.85667*	.29441	.000	-25.8992	-23.8141
	180321	3.74333*	.29441	.000	2.7008	4.7859

	190330	-31.07667*	.29441	.000	-32.1192	-30.0341
	200422	-180.15000*	.29441	.000	-181.1926	-179.1074
	200518	5.05000*	.29441	.000	4.0074	6.0926
	200602	8.03000*	.29441	.000	6.9874	9.0726
200518	161212	-5.87600*	.29441	.000	-6.9186	-4.8334
	161220	-4.79667*	.29441	.000	-5.8392	-3.7541
	160914	-5.55000*	.29441	.000	-6.5926	-4.5074
	170911	-29.90667*	.29441	.000	-30.9492	-28.8641
	180321	-1.30667*	.29441	.007	-2.3492	-.2641
	190330	-36.12667*	.29441	.000	-37.1692	-35.0841
	200422	-185.20000*	.29441	.000	-186.2426	-184.1574
	200428	-5.05000*	.29441	.000	-6.0926	-4.0074
	200602	2.98000*	.29441	.000	1.9374	4.0226
200602	161212	-8.85600*	.29441	.000	-9.8986	-7.8134
	161220	-7.77667*	.29441	.000	-8.8192	-6.7341
	160914	-8.53000*	.29441	.000	-9.5726	-7.4874
	170911	-32.88667*	.29441	.000	-33.9292	-31.8441
	180321	-4.28667*	.29441	.000	-5.3292	-3.2441
	190330	-39.10667*	.29441	.000	-40.1492	-38.0641
	200422	-188.18000*	.29441	.000	-189.2226	-187.1374
	200428	-8.03000*	.29441	.000	-9.0726	-6.9874
	200518	-2.98000*	.29441	.000	-4.0226	-1.9374

Table.S11 The post hoc comparison results of Vincosamide among ten batch *N.officinalis* herbs

	(I) Batch	(J) batch	Mean Difference (I-J)	Standard Error	Significance	95% confidence interval	
						Lower limit	Upper limit
Tukey HSD	161212	161220	-3.64167*	.46498	.000	-5.2882	-1.9951
		160914	-48.54500*	.46498	.000	-50.1915	-46.8985
		170911	-21.23500*	.46498	.000	-22.8815	-19.5885
		180321	-40.60833*	.46498	.000	-42.2549	-38.9618
		190330	-48.76500*	.46498	.000	-50.4115	-47.1185
		200422	-29.46833*	.46498	.000	-31.1149	-27.8218
		200428	-50.62500*	.46498	.000	-52.2715	-48.9785
		200518	-52.39500*	.46498	.000	-54.0415	-50.7485
		200602	-55.66833*	.46498	.000	-57.3149	-54.0218
		161220	161212	161212	3.64167*	.46498	.000
160914	-44.90333*			.46498	.000	-46.5499	-43.2568
170911	-17.59333*			.46498	.000	-19.2399	-15.9468
180321	-36.96667*			.46498	.000	-38.6132	-35.3201
190330	-45.12333*			.46498	.000	-46.7699	-43.4768
200422	-25.82667*			.46498	.000	-27.4732	-24.1801

	200428	-46.98333*	.46498	.000	-48.6299	-45.3368
	200518	-48.75333*	.46498	.000	-50.3999	-47.1068
	200602	-52.02667*	.46498	.000	-53.6732	-50.3801
160914	161212	48.54500*	.46498	.000	46.8985	50.1915
	161220	44.90333*	.46498	.000	43.2568	46.5499
	170911	27.31000*	.46498	.000	25.6635	28.9565
	180321	7.93667*	.46498	.000	6.2901	9.5832
	190330	-.22000	.46498	1.000	-1.8665	1.4265
	200422	19.07667*	.46498	.000	17.4301	20.7232
	200428	-2.08000*	.46498	.007	-3.7265	-.4335
	200518	-3.85000*	.46498	.000	-5.4965	-2.2035
	200602	-7.12333*	.46498	.000	-8.7699	-5.4768
170911	161212	21.23500*	.46498	.000	19.5885	22.8815
	161220	17.59333*	.46498	.000	15.9468	19.2399
	160914	-27.31000*	.46498	.000	-28.9565	-25.6635
	180321	-19.37333*	.46498	.000	-21.0199	-17.7268
	190330	-27.53000*	.46498	.000	-29.1765	-25.8835
	200422	-8.23333*	.46498	.000	-9.8799	-6.5868
	200428	-29.39000*	.46498	.000	-31.0365	-27.7435
	200518	-31.16000*	.46498	.000	-32.8065	-29.5135
	200602	-34.43333*	.46498	.000	-36.0799	-32.7868
180321	161212	40.60833*	.46498	.000	38.9618	42.2549
	161220	36.96667*	.46498	.000	35.3201	38.6132
	160914	-7.93667*	.46498	.000	-9.5832	-6.2901
	170911	19.37333*	.46498	.000	17.7268	21.0199
	190330	-8.15667*	.46498	.000	-9.8032	-6.5101
	200422	11.14000*	.46498	.000	9.4935	12.7865
	200428	-10.01667*	.46498	.000	-11.6632	-8.3701
	200518	-11.78667*	.46498	.000	-13.4332	-10.1401
	200602	-15.06000*	.46498	.000	-16.7065	-13.4135
190330	161212	48.76500*	.46498	.000	47.1185	50.4115
	161220	45.12333*	.46498	.000	43.4768	46.7699
	160914	.22000	.46498	1.000	-1.4265	1.8665
	170911	27.53000*	.46498	.000	25.8835	29.1765
	180321	8.15667*	.46498	.000	6.5101	9.8032
	200422	19.29667*	.46498	.000	17.6501	20.9432
	200428	-1.86000*	.46498	.019	-3.5065	-.2135
	200518	-3.63000*	.46498	.000	-5.2765	-1.9835
	200602	-6.90333*	.46498	.000	-8.5499	-5.2568
200422	161212	29.46833*	.46498	.000	27.8218	31.1149
	161220	25.82667*	.46498	.000	24.1801	27.4732
	160914	-19.07667*	.46498	.000	-20.7232	-17.4301
	170911	8.23333*	.46498	.000	6.5868	9.8799

	180321	-11.14000*	.46498	.000	-12.7865	-9.4935
	190330	-19.29667*	.46498	.000	-20.9432	-17.6501
	200428	-21.15667*	.46498	.000	-22.8032	-19.5101
	200518	-22.92667*	.46498	.000	-24.5732	-21.2801
	200602	-26.20000*	.46498	.000	-27.8465	-24.5535
200428	161212	50.62500*	.46498	.000	48.9785	52.2715
	161220	46.98333*	.46498	.000	45.3368	48.6299
	160914	2.08000*	.46498	.007	.4335	3.7265
	170911	29.39000*	.46498	.000	27.7435	31.0365
	180321	10.01667*	.46498	.000	8.3701	11.6632
	190330	1.86000*	.46498	.019	.2135	3.5065
	200422	21.15667*	.46498	.000	19.5101	22.8032
	200518	-1.77000*	.46498	.029	-3.4165	-.1235
	200602	-5.04333*	.46498	.000	-6.6899	-3.3968
200518	161212	52.39500*	.46498	.000	50.7485	54.0415
	161220	48.75333*	.46498	.000	47.1068	50.3999
	160914	3.85000*	.46498	.000	2.2035	5.4965
	170911	31.16000*	.46498	.000	29.5135	32.8065
	180321	11.78667*	.46498	.000	10.1401	13.4332
	190330	3.63000*	.46498	.000	1.9835	5.2765
	200422	22.92667*	.46498	.000	21.2801	24.5732
	200428	1.77000*	.46498	.029	.1235	3.4165
	200602	-3.27333*	.46498	.000	-4.9199	-1.6268
200602	161212	55.66833*	.46498	.000	54.0218	57.3149
	161220	52.02667*	.46498	.000	50.3801	53.6732
	160914	7.12333*	.46498	.000	5.4768	8.7699
	170911	34.43333*	.46498	.000	32.7868	36.0799
	180321	15.06000*	.46498	.000	13.4135	16.7065
	190330	6.90333*	.46498	.000	5.2568	8.5499
	200422	26.20000*	.46498	.000	24.5535	27.8465
	200428	5.04333*	.46498	.000	3.3968	6.6899
	200518	3.27333*	.46498	.000	1.6268	4.9199

*.The significance level of the difference between the averages is 0.05.

Table.S12 The post hoc comparison results of 3,14-Dihydroangustine among ten batch *N.officinalis* herbs

	(I) Batch	(J) batch	Mean Difference (I-J)	Standard Error	Significance	95% confidence interval	
						Lower limit	Upper limit
Tukey HSD	161212	161220	10.78633*	.54775	.000	8.8467	12.7260
		160914	11.37967*	.54775	.000	9.4400	13.3193
		170911	-37.41700*	.54775	.000	-39.3566	-35.4774
		180321	50.70633*	.54775	.000	48.7667	52.6460
		190330	-53.55367*	.54775	.000	-55.4933	-51.6140

	200422	-249.51367*	.54775	.000	-251.4533	-247.5740
	200428	25.63300*	.54775	.000	23.6934	27.5726
	200518	36.32300*	.54775	.000	34.3834	38.2626
	200602	41.15633*	.54775	.000	39.2167	43.0960
161220	161212	-10.78633*	.54775	.000	-12.7260	-8.8467
	160914	.59333	.54775	.981	-1.3463	2.5330
	170911	-48.20333*	.54775	.000	-50.1430	-46.2637
	180321	39.92000*	.54775	.000	37.9804	41.8596
	190330	-64.34000*	.54775	.000	-66.2796	-62.4004
	200422	-260.30000*	.54775	.000	-262.2396	-258.3604
	200428	14.84667*	.54775	.000	12.9070	16.7863
	200518	25.53667*	.54775	.000	23.5970	27.4763
	200602	30.37000*	.54775	.000	28.4304	32.3096
160914	161212	-11.37967*	.54775	.000	-13.3193	-9.4400
	161220	-.59333	.54775	.981	-2.5330	1.3463
	170911	-48.79667*	.54775	.000	-50.7363	-46.8570
	180321	39.32667*	.54775	.000	37.3870	41.2663
	190330	-64.93333*	.54775	.000	-66.8730	-62.9937
	200422	-260.89333*	.54775	.000	-262.8330	-258.9537
	200428	14.25333*	.54775	.000	12.3137	16.1930
	200518	24.94333*	.54775	.000	23.0037	26.8830
	200602	29.77667*	.54775	.000	27.8370	31.7163
170911	161212	37.41700*	.54775	.000	35.4774	39.3566
	161220	48.20333*	.54775	.000	46.2637	50.1430
	160914	48.79667*	.54775	.000	46.8570	50.7363
	180321	88.12333*	.54775	.000	86.1837	90.0630
	190330	-16.13667*	.54775	.000	-18.0763	-14.1970
	200422	-212.09667*	.54775	.000	-214.0363	-210.1570
	200428	63.05000*	.54775	.000	61.1104	64.9896
	200518	73.74000*	.54775	.000	71.8004	75.6796
	200602	78.57333*	.54775	.000	76.6337	80.5130
180321	161212	-50.70633*	.54775	.000	-52.6460	-48.7667
	161220	-39.92000*	.54775	.000	-41.8596	-37.9804
	160914	-39.32667*	.54775	.000	-41.2663	-37.3870
	170911	-88.12333*	.54775	.000	-90.0630	-86.1837
	190330	-104.26000*	.54775	.000	-106.1996	-102.3204
	200422	-300.22000*	.54775	.000	-302.1596	-298.2804
	200428	-25.07333*	.54775	.000	-27.0130	-23.1337
	200518	-14.38333*	.54775	.000	-16.3230	-12.4437
	200602	-9.55000*	.54775	.000	-11.4896	-7.6104
190330	161212	53.55367*	.54775	.000	51.6140	55.4933
	161220	64.34000*	.54775	.000	62.4004	66.2796
	160914	64.93333*	.54775	.000	62.9937	66.8730

	170911	16.13667*	.54775	.000	14.1970	18.0763
	180321	104.26000*	.54775	.000	102.3204	106.1996
	200422	-195.96000*	.54775	.000	-197.8996	-194.0204
	200428	79.18667*	.54775	.000	77.2470	81.1263
	200518	89.87667*	.54775	.000	87.9370	91.8163
	200602	94.71000*	.54775	.000	92.7704	96.6496
200422	161212	249.51367*	.54775	.000	247.5740	251.4533
	161220	260.30000*	.54775	.000	258.3604	262.2396
	160914	260.89333*	.54775	.000	258.9537	262.8330
	170911	212.09667*	.54775	.000	210.1570	214.0363
	180321	300.22000*	.54775	.000	298.2804	302.1596
	190330	195.96000*	.54775	.000	194.0204	197.8996
	200428	275.14667*	.54775	.000	273.2070	277.0863
	200518	285.83667*	.54775	.000	283.8970	287.7763
	200602	290.67000*	.54775	.000	288.7304	292.6096
200428	161212	-25.63300*	.54775	.000	-27.5726	-23.6934
	161220	-14.84667*	.54775	.000	-16.7863	-12.9070
	160914	-14.25333*	.54775	.000	-16.1930	-12.3137
	170911	-63.05000*	.54775	.000	-64.9896	-61.1104
	180321	25.07333*	.54775	.000	23.1337	27.0130
	190330	-79.18667*	.54775	.000	-81.1263	-77.2470
	200422	-275.14667*	.54775	.000	-277.0863	-273.2070
	200518	10.69000*	.54775	.000	8.7504	12.6296
	200602	15.52333*	.54775	.000	13.5837	17.4630
200518	161212	-36.32300*	.54775	.000	-38.2626	-34.3834
	161220	-25.53667*	.54775	.000	-27.4763	-23.5970
	160914	-24.94333*	.54775	.000	-26.8830	-23.0037
	170911	-73.74000*	.54775	.000	-75.6796	-71.8004
	180321	14.38333*	.54775	.000	12.4437	16.3230
	190330	-89.87667*	.54775	.000	-91.8163	-87.9370
	200422	-285.83667*	.54775	.000	-287.7763	-283.8970
	200428	-10.69000*	.54775	.000	-12.6296	-8.7504
	200602	4.83333*	.54775	.000	2.8937	6.7730
200602	161212	-41.15633*	.54775	.000	-43.0960	-39.2167
	161220	-30.37000*	.54775	.000	-32.3096	-28.4304
	160914	-29.77667*	.54775	.000	-31.7163	-27.8370
	170911	-78.57333*	.54775	.000	-80.5130	-76.6337
	180321	9.55000*	.54775	.000	7.6104	11.4896
	190330	-94.71000*	.54775	.000	-96.6496	-92.7704
	200422	-290.67000*	.54775	.000	-292.6096	-288.7304
	200428	-15.52333*	.54775	.000	-17.4630	-13.5837
	200518	-4.83333*	.54775	.000	-6.7730	-2.8937

*. The significance level of the difference between the averages is 0.05.

