Supplementary Materials: Culturable Endophytic Fungi from *Glycyrrhzia inflata* Distributed in Xinjiang, China with Antifungal Activity

Contents

(**a**) (**b**)

Figure S1. The aerial parts (**a**), and roots (**b**) of *Glycyrrhiza inflata* collected in Xinjiang (86°34′27″ E, 42°03′32″ N), Northwest of China, in October 2, 2020.

Glinf001:

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TCGCTGCGTTCTTCATCGATGCCGGAACCAAGAGATCCATTGTTGAAAGTTTTAATAGGTTTGCTATCA
AGCTCAGACAACACTAAAGACAAGAGGTTCAATGTGGTCTCCGGCGGCTACCCCCGGGGGGGCGCA
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CTCGGTAATGATCCTTCCGCAGGTTCACCCTACGG

Glinf002:

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TCTTCATCGATGCCGGAACCAAGAGATCCATTGTTGAAAGTTTTAATAGGTTTGCTATCAAGCTCAGA
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Glinf003:

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AAGCAAAGCTTGAGGGTACAAATGACGCTCGAACAGGCATGCCCTTTGGAATACCAAAGGGCGCAA
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Glinf008:

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AGCAAAGCTTGAGGGTACAAATGACGCTCGAACAGGCATGCCCTTTGGAATACCAAAGGGCGCAAT
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Glinf009:

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Glinf010:

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Glinf011:

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CGCCACTAGATTTCGGGGCCGGCTTGCCGCAAGGGCTCGCCGATCCCCAACACCAAACCCGGGGGCT
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AGATTCGATGATTCACTGAATTCTGCAATTCACATTACTTATCGCATTTTGCTGCGTTCTTCATCGATGC
CAGAACCAAGAGATCCGTTGTTGAAAGTTTTGATTTATTTATGGTTTTACTCAGAAGTTACATATAGAA
ACAGAGTTTAGGGGTCCTCTGGCGGGCCGTCCCGTTTTACCGGGAGCGGGCTGATCCGCCGAGGCAA
CAATTGGTATGTTCACAGGGGTTTG

Glinf012:

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CGCCACTGTATTTGGGGGACGGCGTGTGCCCACGGGGGGCTCCGCCGATCCCCAACGCCAGGCCCGG
GGGCCTGAGGGTTGTAATGACGCTCGAACAGGCATGCCCGCCAGAATACTGGCGGGCGCAATGTGCG
TTCAAAGATTCGATGATTCACTGAATTCTGCAATTCACATTACTTATCGCATTTCGCTGCGTTCTTCATC
GATGCCAGAGCCAAGAGATCCGTTGTTGAAAGTTTTAATTTATTTGCTTGTTTTACTCAGAAGAAACAT
TATAGAAACAGAGTTAGGGGTCCTCTGGCGGGGGCGGCCCGTTTCACGGGGCCGTCTGTTCCCGCCG
AAGCAACGTTTAGGTATGTTCACAGGGTTGATGAGTTGAATAACTCGG

Glinf013:

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CAGGTTCACCTACGGA

Glinf014:

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Glinf015:

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CTCGAGGACCGGACACGGTGCCGCCGCTGCCTTTCGGGCCCGTCCCCCGGGGGGGAGGACGGAGGC
CCAACACACAAGCCGTGCTTGAGGGCAGCAATGACGCTCGGACAGGCATGCCCCCCGGAATACCAG
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TGCCCCCCGGCGGCCGTGAGGCGGGCTCGCCGAAGCAACATGGTACAAGAGACACGGGTGGGAGGT
TGGACCCAGAGGGCATACGCTCACTCAGTAGATGATCCTTCCGCAGGTTC

Glinf016:

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AGCCGGATTACATGGCTGCCAATTGCTTTAAGGCGAGTCCACGCGCAATGGCGGGACAAACACCCAA
CACCAAGCAGAGCTTGAGGGTTCAAATGACGCTCGAACAGGCATGCCCCATGGAATACCAAGGGGC
GCAATGTGCGTTCAAAGATACAATGATTCACTGAATTCTGCAATTCACACTACTTATCGCATTTCGCTG
CGTTCTTCATCCATGCCAGAACCAAGAGATCCATTGTTGAAAGTTTTAATAATTAACTTATTATCAGAC
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Glinf017:

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Glinf018:

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AGGAGTTCGCGAGGGAACCGCCACTGGATTTCAGGGCCAGCCGCCGCCAGGGGCAGGCTGATCCCC
AACGCCAGGTCCCGCGAACGGGTCCTGAGGGTTGAAATGACGCTCAGACAGGCATGCCCGCCAGAA
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CGCGCGAACGCGCCCGGGGCGAGGCCGCCGAAGCAACAGTGGTAGGTTCACAATGGTTTGGGAGTTT
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Glinf019:

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GATTCACTGAATTCTGCAATTCACATTACTTATCGCATTTCGCTGCGTTCTTCATCGATGCCAGAACCA
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GAGTTGGGTTTCCTCCGGCGGGCGCCCCGCGAGGGGGCCAGGGGGCACCGGGCGGACCCGGGCCGC
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Glinf020:

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GTTCACCCTACG

Glinf021:

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Glinf022:

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CCCCTACGGAG

Figure S2. The ITS1-5.8S-ITS2 partial sequences of 22 fungal isolates (i.e., Glinf001-Glinf022).

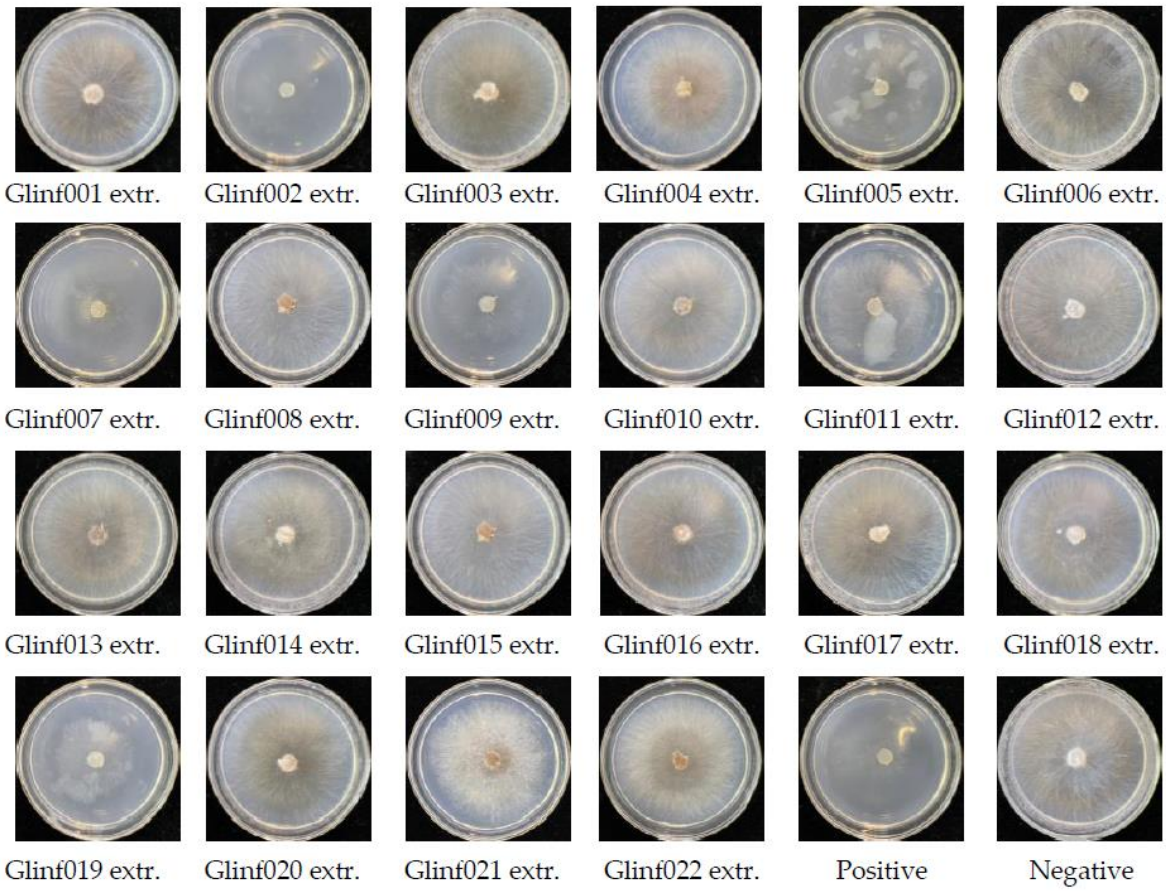


Figure S3. Mycelial growth inhibition of the ethyl acetate extracts from 22 endophytic fungal strains on *Rhizoctonia solani*. The word "extract" was abbreviated as "extr.". The concentration of each extract in the medium was 100 μg/mL. The positive control was carbendazim with the concentration in medium was 100 μg/mL. The negative control was DMSO with its concentration in medium was 0.7 μL/mL.

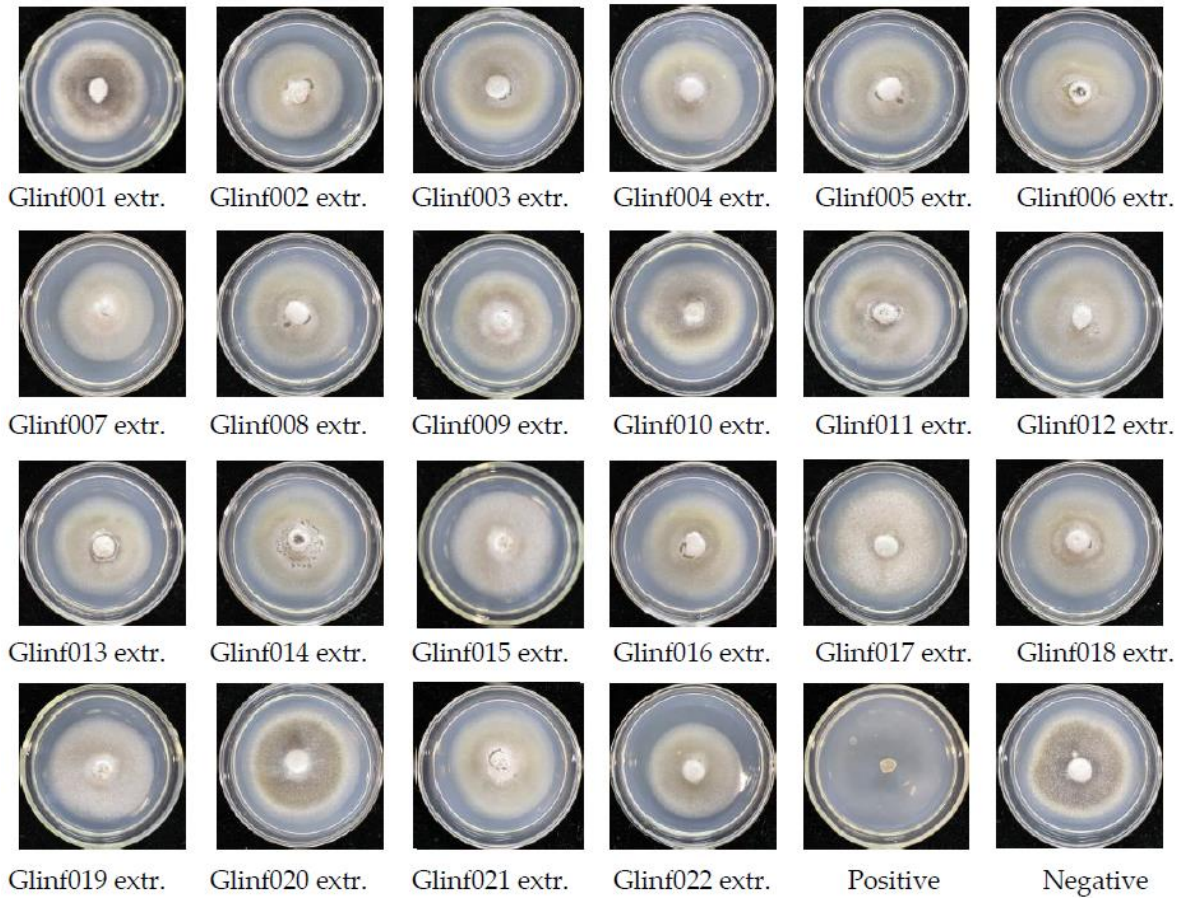


Figure S4. Mycelial growth inhibition of the ethyl acetate extracts from 22 endophytic fungal strains on *Magnaporthe oryzae*. The word "extract" was abbreviated as "extr.". The concentration of each extract in the medium was 100 μg/mL. The positive control was carbendazim with the concentration in medium was 100 μg/mL. The negative control was DMSO with its concentration in medium was 0.7 μL/mL.

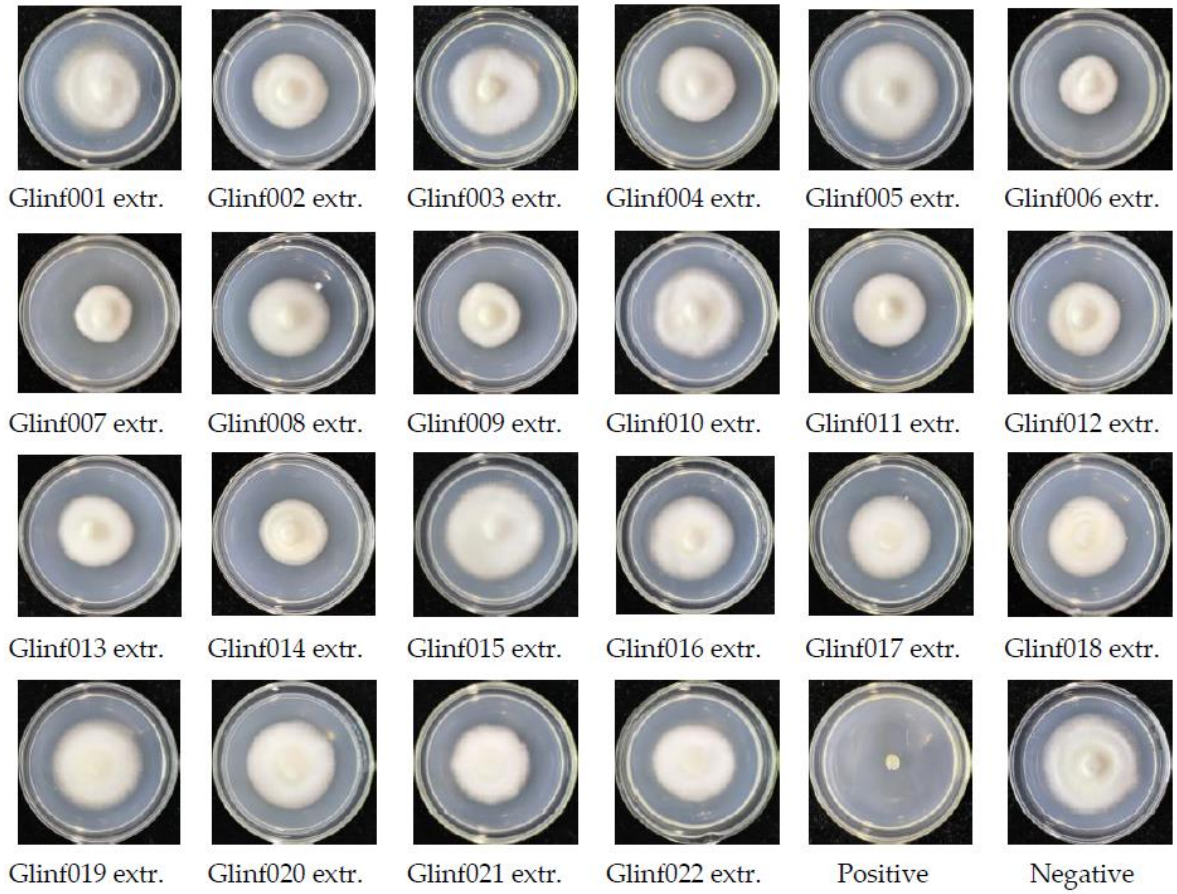


Figure S5. Mycelial growth inhibition of the ethyl acetate extracts from 22 endophytic fungal strains on *Ustilaginoidea virens* strain P1. The word "extract" was abbreviated as "extr.". The concentration of each extract in the medium was 100 μg/mL. The positive control was carbendazim with the concentration in medium was 100 μg/mL. The negative control was DMSO with its concentration in medium was 0.7 μL/mL.

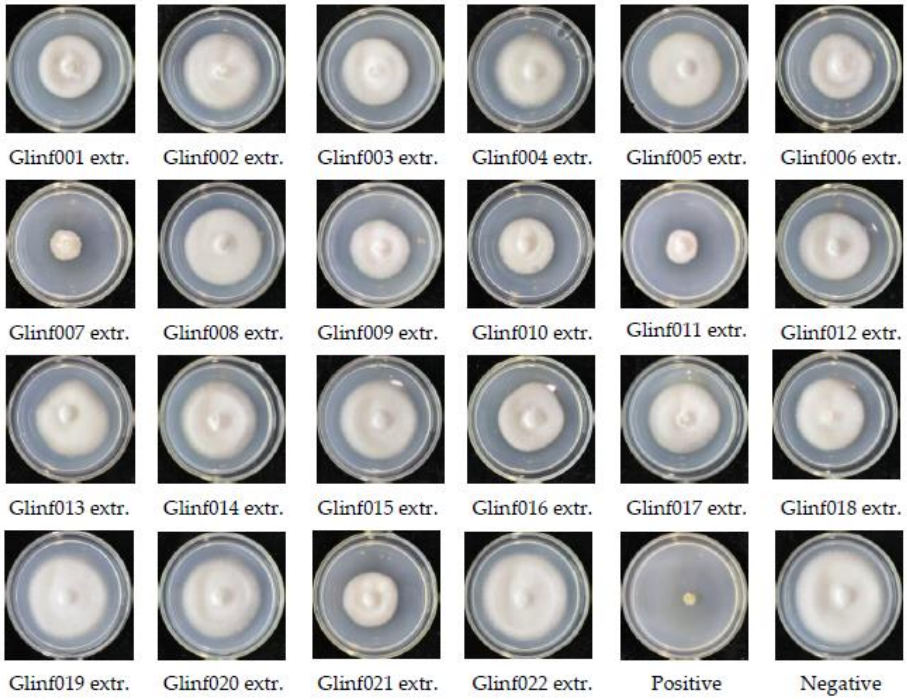
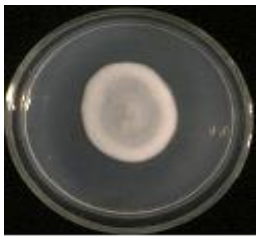
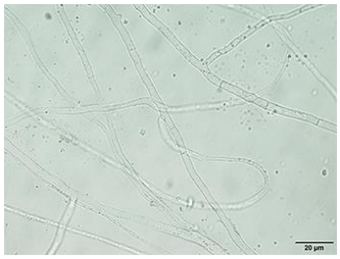
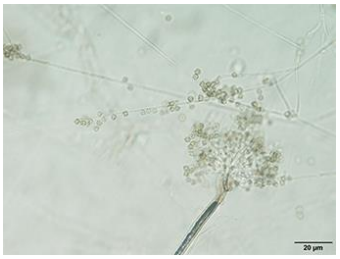
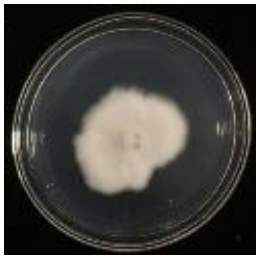
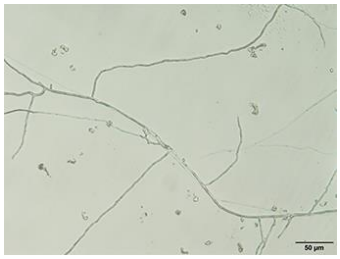
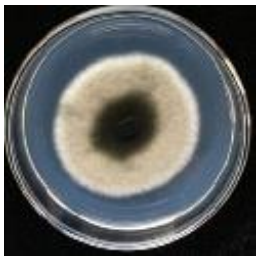
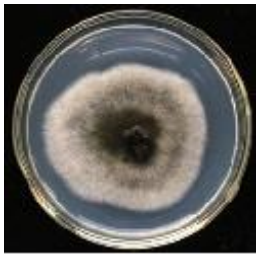


Figure S6. Mycelial growth inhibition of the ethyl acetate extracts from 22 endophytic fungal strains on *Ustilaginoidea virens* strain LN02. The word "extract" was abbreviated as "extr.". The concentration of each extract in the medium was 100 μg/mL. The positive control was carbendazim with the concentration in medium was 100 μg/mL. The negative control was DMSO with its concentration in medium was 0.7 μL/mL.

Isolate	Colony morphology	Mycelium	Spore and conidiophore
Glinf001			
Glinf002			
Glinf003			
Glinf004			
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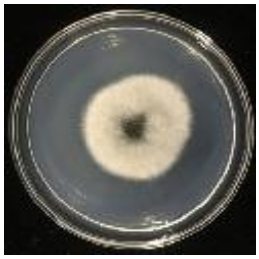
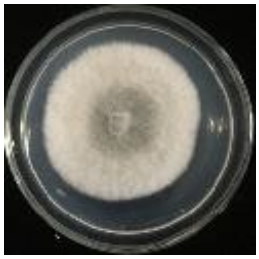
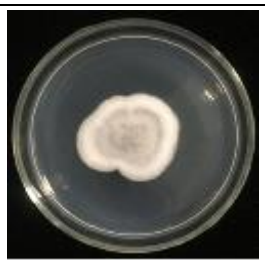
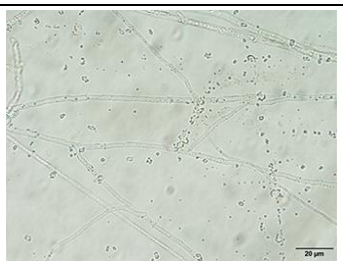
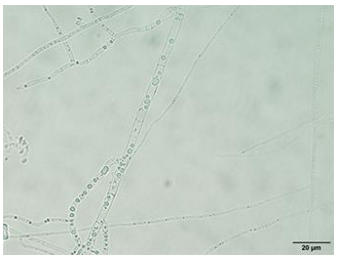
Glinf006			

Glinf007			
Glinf008			
Glinf009			
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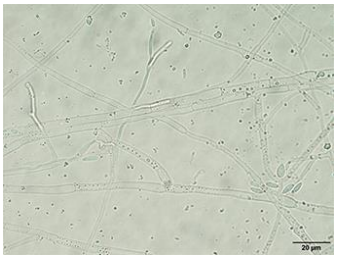
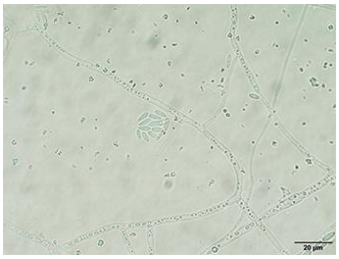
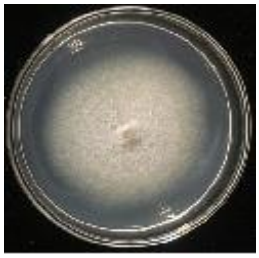
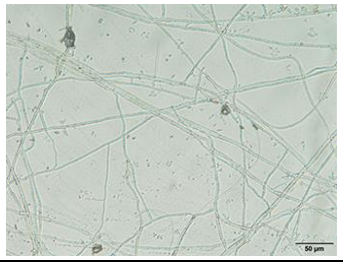
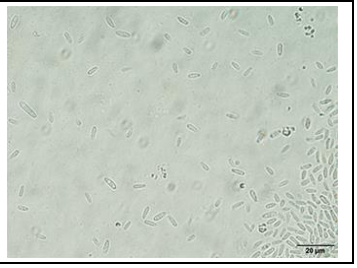
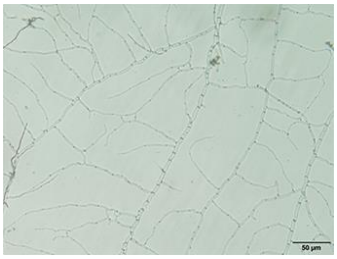
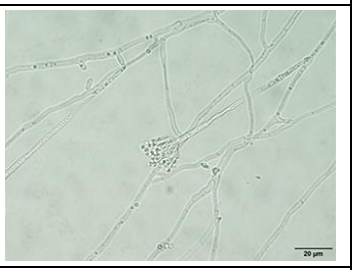
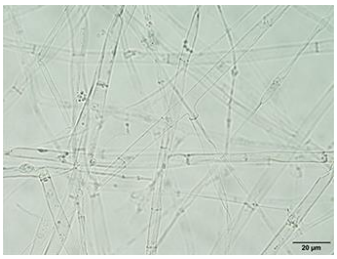
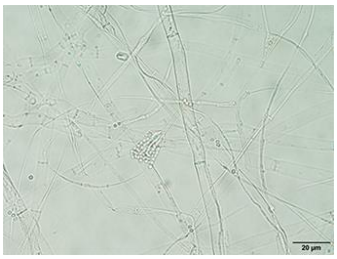
Glinf011			
Glinf012			
Glinf013			

Glinf014			
Glinf015			
Glinf016			
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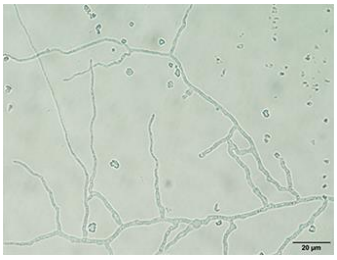
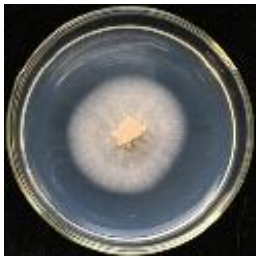
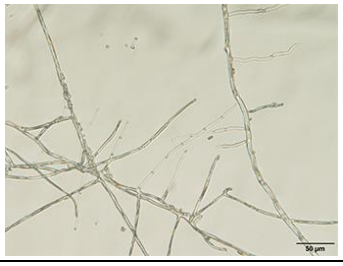
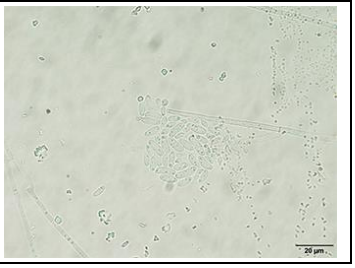
Glinf019			–
Glinf020			

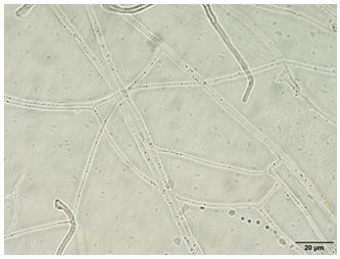
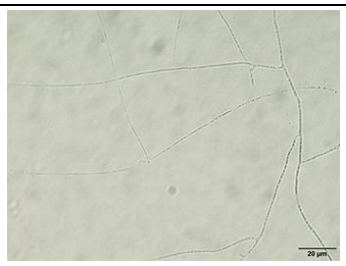
Glinf021			–
Glinf022			

Figure S7. Morphological characteristics of 22 endophytic fungal isolates from the roots of *Glycyrrhiza inflata*.

Table S1. One-way ANOVA method was employed for statistical analysis of the inhibitions of 23 treatments on the pathogen *Rhizoctonia solani*. Nos. 1-22 were EtOAc extracts of endophytes and No. 23 was the positive control carbendazim.

Descriptives

Inhibition

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean	
					Lower Bound	Upper Bound
1	3	0.005900	0.0000000	0.0000000	0.005900	0.005900
2	3	0.807600	0.0604684	0.0349115	0.657388	0.957812
3	3	0.005900	0.0000000	0.0000000	0.005900	0.005900
4	3	0.097100	0.0358535	0.0207000	0.008035	0.186165
5	3	0.360567	0.0177500	0.0102480	0.316473	0.404660
6	3	0.005300	0.0000000	0.0000000	0.005300	0.005300
7	3	0.693000	0.0146000	0.0084293	0.656732	0.729268
8	3	0.005900	0.0000000	0.0000000	0.005900	0.005900
9	3	0.585800	0.0146000	0.0084293	0.549532	0.622068
10	3	0.005300	0.0000000	0.0000000	0.005300	0.005300
11	3	0.314533	0.0718774	0.0414984	0.135980	0.493087
12	3	0.064300	0.0675500	0.0390000	−0.103503	0.232103
13	3	0.005900	0.0000000	0.0000000	0.005900	0.005900
14	3	0.028567	0.0056580	0.0032667	0.014511	0.042622
15	3	0.005900	0.0000000	0.0000000	0.005900	0.005900
16	3	0.005900	0.0000000	0.0000000	0.005900	0.005900
17	3	0.005900	0.0000000	0.0000000	0.005900	0.005900
18	3	0.025300	0.0000000	0.0000000	0.025300	0.025300
19	3	0.463933	0.0292500	0.0168875	0.391272	0.536594
20	3	0.005900	0.0000000	0.0000000	0.005900	0.005900
21	3	0.301500	0.0817266	0.0471849	0.098480	0.504520
22	3	0.116333	0.0313522	0.0181012	0.038450	0.194217
23	3	0.780000	0.0000000	0.0000000	0.780000	0.780000
Total	69	0.204188	0.2742661	0.0330178	0.138302	0.270074

Descriptives

Inhibition

	Minimum	Maximum
1	0.0059	0.0059
2	0.7602	0.8757
3	0.0059	0.0059
4	0.0764	0.1385

5	0.3428	0.3783
6	0.0053	0.0053
7	0.6784	0.7076
8	0.0059	0.0059
9	0.5712	0.6004
10	0.0053	0.0053
11	0.2593	0.3958
12	0.0253	0.1423
13	0.0059	0.0059
14	0.0253	0.0351
15	0.0059	0.0059
16	0.0059	0.0059
17	0.0059	0.0059
18	0.0253	0.0253
19	0.4347	0.4932
20	0.0059	0.0059
21	0.2495	0.3957
22	0.0936	0.1521
23	0.7800	0.7800
Total	0.0053	0.8757

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
Inhibition	Based on Mean	8.493	22	46	0.000
	Based on Median	1.027	22	46	0.454
	Based on Median and with adjusted df	1.027	22	9.239	0.512
	Based on trimmed mean	7.312	22	46	0.000

ANOVA

Inhibition

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	5.067	22	0.230	221.075	0.000
Within Groups	0.048	46	0.001		
Total	5.115	68			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: Inhibition

LSD

		Mean Difference			95% Confidence Interval	
(I) Strains	(J) Strains	(I–J)	Std. Error	Sig.	Lower Bound	Upper Bound
1	2	−0.8017000*	0.0263546	0.000	−0.854749	−0.748651
	3	0.0000000	0.0263546	1.000	−0.053049	0.053049
	4	−0.0912000*	0.0263546	0.001	−0.144249	−0.038151
	5	−0.3546667*	0.0263546	0.000	−0.407716	−0.301618
	6	0.0006000	0.0263546	0.982	−0.052449	0.053649
	7	−0.6871000*	0.0263546	0.000	−0.740149	−0.634051
	8	0.0000000	0.0263546	1.000	−0.053049	0.053049
	9	−0.5799000*	0.0263546	0.000	−0.632949	−0.526851
	10	0.0006000	0.0263546	0.982	−0.052449	0.053649
	11	−0.3086333*	0.0263546	0.000	−0.361682	−0.255584
	12	−0.0584000*	0.0263546	0.032	−0.111449	−0.005351
	13	0.0000000	0.0263546	1.000	−0.053049	0.053049
	14	−0.0226667	0.0263546	0.394	−0.075716	0.030382
	15	0.0000000	0.0263546	1.000	−0.053049	0.053049
	16	0.0000000	0.0263546	1.000	−0.053049	0.053049
	17	0.0000000	0.0263546	1.000	−0.053049	0.053049
	18	−0.0194000	0.0263546	0.465	−0.072449	0.033649
	19	−0.4580333*	0.0263546	0.000	−0.511082	−0.404984
	20	0.0000000	0.0263546	1.000	−0.053049	0.053049
	21	−0.2956000*	0.0263546	0.000	−0.348649	−0.242551
	22	−0.1104333*	0.0263546	0.000	−0.163482	−0.057384
	23	−0.7741000*	0.0263546	0.000	−0.827149	−0.721051
2	1	0.8017000*	0.0263546	0.000	0.748651	0.854749
	3	0.8017000*	0.0263546	0.000	0.748651	0.854749
	4	0.7105000*	0.0263546	0.000	0.657451	0.763549
	5	0.4470333*	0.0263546	0.000	0.393984	0.500082
	6	0.8023000*	0.0263546	0.000	0.749251	0.855349
	7	0.1146000*	0.0263546	0.000	0.061551	0.167649
	8	0.8017000*	0.0263546	0.000	0.748651	0.854749
	9	0.2218000*	0.0263546	0.000	0.168751	0.274849
	10	0.8023000*	0.0263546	0.000	0.749251	0.855349
	11	0.4930667*	0.0263546	0.000	0.440018	0.546116
	12	0.7433000*	0.0263546	0.000	0.690251	0.796349

	13	0.8017000*	0.0263546	0.000	0.748651	0.854749
	14	0.7790333*	0.0263546	0.000	0.725984	0.832082
	15	0.8017000*	0.0263546	0.000	0.748651	0.854749
	16	0.8017000*	0.0263546	0.000	0.748651	0.854749
	17	0.8017000*	0.0263546	0.000	0.748651	0.854749
	18	0.7823000*	0.0263546	0.000	0.729251	0.835349
	19	0.3436667*	0.0263546	0.000	0.290618	0.396716
	20	0.8017000*	0.0263546	0.000	0.748651	0.854749
	21	0.5061000*	0.0263546	0.000	0.453051	0.559149
	22	0.6912667*	0.0263546	0.000	0.638218	0.744316
	23	0.0276000	0.0263546	0.300	−0.025449	0.080649
3	1	0.0000000	0.0263546	1.000	−0.053049	0.053049
	2	−0.8017000*	0.0263546	0.000	−0.854749	−0.748651
	4	−0.0912000*	0.0263546	0.001	−0.144249	−0.038151
	5	−0.3546667*	0.0263546	0.000	−0.407716	−0.301618
	6	0.0006000	0.0263546	0.982	−0.052449	0.053649
	7	−0.6871000*	0.0263546	0.000	−0.740149	−0.634051
	8	0.0000000	0.0263546	1.000	−0.053049	0.053049
	9	−0.5799000*	0.0263546	0.000	−0.632949	−0.526851
	10	0.0006000	0.0263546	0.982	−0.052449	0.053649
	11	−0.3086333*	0.0263546	0.000	−0.361682	−0.255584
	12	−0.0584000*	0.0263546	0.032	−0.111449	−0.005351
	13	0.0000000	0.0263546	1.000	−0.053049	0.053049
	14	−0.0226667	0.0263546	0.394	−0.075716	0.030382
	15	0.0000000	0.0263546	1.000	−0.053049	0.053049
	16	0.0000000	0.0263546	1.000	−0.053049	0.053049
	17	0.0000000	0.0263546	1.000	−0.053049	0.053049
	18	−0.0194000	0.0263546	0.465	−0.072449	0.033649
	19	−0.4580333*	0.0263546	0.000	−0.511082	−0.404984
	20	0.0000000	0.0263546	1.000	−0.053049	0.053049
	21	−0.2956000*	0.0263546	0.000	−0.348649	−0.242551
	22	−0.1104333*	0.0263546	0.000	−0.163482	−0.057384
	23	−0.7741000*	0.0263546	0.000	−0.827149	−0.721051
4	1	0.0912000*	0.0263546	0.001	0.038151	0.144249
	2	−0.7105000*	0.0263546	0.000	−0.763549	−0.657451
	3	0.0912000*	0.0263546	0.001	0.038151	0.144249
	5	−0.2634667*	0.0263546	0.000	−0.316516	−0.210418
	6	0.0918000*	0.0263546	0.001	0.038751	0.144849
	7	−0.5959000*	0.0263546	0.000	−0.648949	−0.542851
	8	0.0912000*	0.0263546	0.001	0.038151	0.144249
	9	−0.4887000*	0.0263546	0.000	−0.541749	−0.435651

	10	0.0918000*	0.0263546	0.001	0.038751	0.144849
	11	−0.2174333*	0.0263546	0.000	−0.270482	−0.164384
	12	0.0328000	0.0263546	0.220	−0.020249	0.085849
	13	0.0912000*	0.0263546	0.001	0.038151	0.144249
	14	0.0685333*	0.0263546	0.012	0.015484	0.121582
	15	0.0912000*	0.0263546	0.001	0.038151	0.144249
	16	0.0912000*	0.0263546	0.001	0.038151	0.144249
	17	0.0912000*	0.0263546	0.001	0.038151	0.144249
	18	0.0718000*	0.0263546	0.009	0.018751	0.124849
	19	−0.3668333*	0.0263546	0.000	−0.419882	−0.313784
	20	0.0912000*	0.0263546	0.001	0.038151	0.144249
	21	−0.2044000*	0.0263546	0.000	−0.257449	−0.151351
	22	−0.0192333	0.0263546	0.469	−0.072282	0.033816
	23	−0.6829000*	0.0263546	0.000	−0.735949	−0.629851
5	1	0.3546667*	0.0263546	0.000	0.301618	0.407716
	2	−0.4470333*	0.0263546	0.000	−0.500082	−0.393984
	3	0.3546667*	0.0263546	0.000	0.301618	0.407716
	4	0.2634667*	0.0263546	0.000	0.210418	0.316516
	6	0.3552667*	0.0263546	0.000	0.302218	0.408316
	7	−0.3324333*	0.0263546	0.000	−0.385482	−0.279384
	8	0.3546667*	0.0263546	0.000	0.301618	0.407716
	9	−0.2252333*	0.0263546	0.000	−0.278282	−0.172184
	10	0.3552667*	0.0263546	0.000	0.302218	0.408316
	11	0.0460333	0.0263546	0.087	−0.007016	0.099082
	12	0.2962667*	0.0263546	0.000	0.243218	0.349316
	13	0.3546667*	0.0263546	0.000	0.301618	0.407716
	14	0.3320000*	0.0263546	0.000	0.278951	0.385049
	15	0.3546667*	0.0263546	0.000	0.301618	0.407716
	16	0.3546667*	0.0263546	0.000	0.301618	0.407716
	17	0.3546667*	0.0263546	0.000	0.301618	0.407716
	18	0.3352667*	0.0263546	0.000	0.282218	0.388316
	19	−0.1033667*	0.0263546	0.000	−0.156416	−0.050318
	20	0.3546667*	0.0263546	0.000	0.301618	0.407716
	21	0.0590667*	0.0263546	0.030	0.006018	0.112116
	22	0.2442333*	0.0263546	0.000	0.191184	0.297282
	23	−0.4194333*	0.0263546	0.000	−0.472482	−0.366384
6	1	−0.0006000	0.0263546	0.982	−0.053649	0.052449
	2	−0.8023000*	0.0263546	0.000	−0.855349	−0.749251
	3	−0.0006000	0.0263546	0.982	−0.053649	0.052449
	4	−0.0918000*	0.0263546	0.001	−0.144849	−0.038751
	5	−0.3552667*	0.0263546	0.000	−0.408316	−0.302218

	7	−0.6877000*	0.0263546	0.000	−0.740749	−0.634651
	8	−0.0006000	0.0263546	0.982	−0.053649	0.052449
	9	−0.5805000*	0.0263546	0.000	−0.633549	−0.527451
	10	0.0000000	0.0263546	1.000	−0.053049	0.053049
	11	−0.3092333*	0.0263546	0.000	−0.362282	−0.256184
	12	−0.0590000*	0.0263546	0.030	−0.112049	−0.005951
	13	−0.0006000	0.0263546	0.982	−0.053649	0.052449
	14	−0.0232667	0.0263546	0.382	−0.076316	0.029782
	15	−0.0006000	0.0263546	0.982	−0.053649	0.052449
	16	−0.0006000	0.0263546	0.982	−0.053649	0.052449
	17	−0.0006000	0.0263546	0.982	−0.053649	0.052449
	18	−0.0200000	0.0263546	0.452	−0.073049	0.033049
	19	−0.4586333*	0.0263546	0.000	−0.511682	−0.405584
	20	−0.0006000	0.0263546	0.982	−0.053649	0.052449
	21	−0.2962000*	0.0263546	0.000	−0.349249	−0.243151
	22	−0.1110333*	0.0263546	0.000	−0.164082	−0.057984
	23	−0.7747000*	0.0263546	0.000	−0.827749	−0.721651
7	1	0.6871000*	0.0263546	0.000	0.634051	0.740149
	2	−0.1146000*	0.0263546	0.000	−0.167649	−0.061551
	3	0.6871000*	0.0263546	0.000	0.634051	0.740149
	4	0.5959000*	0.0263546	0.000	0.542851	0.648949
	5	0.3324333*	0.0263546	0.000	0.279384	0.385482
	6	0.6877000*	0.0263546	0.000	0.634651	0.740749
	8	0.6871000*	0.0263546	0.000	0.634051	0.740149
	9	0.1072000*	0.0263546	0.000	0.054151	0.160249
	10	0.6877000*	0.0263546	0.000	0.634651	0.740749
	11	0.3784667*	0.0263546	0.000	0.325418	0.431516
	12	0.6287000*	0.0263546	0.000	0.575651	0.681749
	13	0.6871000*	0.0263546	0.000	0.634051	0.740149
	14	0.6644333*	0.0263546	0.000	0.611384	0.717482
	15	0.6871000*	0.0263546	0.000	0.634051	0.740149
	16	0.6871000*	0.0263546	0.000	0.634051	0.740149
	17	0.6871000*	0.0263546	0.000	0.634051	0.740149
	18	0.6677000*	0.0263546	0.000	0.614651	0.720749
	19	0.2290667*	0.0263546	0.000	0.176018	0.282116
	20	0.6871000*	0.0263546	0.000	0.634051	0.740149
	21	0.3915000*	0.0263546	0.000	0.338451	0.444549
	22	0.5766667*	0.0263546	0.000	0.523618	0.629716
	23	−0.0870000*	0.0263546	0.002	−0.140049	−0.033951
8	1	0.0000000	0.0263546	1.000	−0.053049	0.053049
	2	−0.8017000*	0.0263546	0.000	−0.854749	−0.748651

	3	0.0000000	0.0263546	1.000	−0.053049	0.053049
	4	−0.0912000*	0.0263546	0.001	−0.144249	−0.038151
	5	−0.3546667*	0.0263546	0.000	−0.407716	−0.301618
	6	0.0006000	0.0263546	0.982	−0.052449	0.053649
	7	−0.6871000*	0.0263546	0.000	−0.740149	−0.634051
	9	−0.5799000*	0.0263546	0.000	−0.632949	−0.526851
	10	0.0006000	0.0263546	0.982	−0.052449	0.053649
	11	−0.3086333*	0.0263546	0.000	−0.361682	−0.255584
	12	−0.0584000*	0.0263546	0.032	−0.111449	−0.005351
	13	0.0000000	0.0263546	1.000	−0.053049	0.053049
	14	−0.0226667	0.0263546	0.394	−0.075716	0.030382
	15	0.0000000	0.0263546	1.000	−0.053049	0.053049
	16	0.0000000	0.0263546	1.000	−0.053049	0.053049
	17	0.0000000	0.0263546	1.000	−0.053049	0.053049
	18	−0.0194000	0.0263546	0.465	−0.072449	0.033649
	19	−0.4580333*	0.0263546	0.000	−0.511082	−0.404984
	20	0.0000000	0.0263546	1.000	−0.053049	0.053049
	21	−0.2956000*	0.0263546	0.000	−0.348649	−0.242551
	22	−0.1104333*	0.0263546	0.000	−0.163482	−0.057384
	23	−0.7741000*	0.0263546	0.000	−0.827149	−0.721051
9	1	0.5799000*	0.0263546	0.000	0.526851	0.632949
	2	−0.2218000*	0.0263546	0.000	−0.274849	−0.168751
	3	0.5799000*	0.0263546	0.000	0.526851	0.632949
	4	0.4887000*	0.0263546	0.000	0.435651	0.541749
	5	0.2252333*	0.0263546	0.000	0.172184	0.278282
	6	0.5805000*	0.0263546	0.000	0.527451	0.633549
	7	−0.1072000*	0.0263546	0.000	−0.160249	−0.054151
	8	0.5799000*	0.0263546	0.000	0.526851	0.632949
	10	0.5805000*	0.0263546	0.000	0.527451	0.633549
	11	0.2712667*	0.0263546	0.000	0.218218	0.324316
	12	0.5215000*	0.0263546	0.000	0.468451	0.574549
	13	0.5799000*	0.0263546	0.000	0.526851	0.632949
	14	0.5572333*	0.0263546	0.000	0.504184	0.610282
	15	0.5799000*	0.0263546	0.000	0.526851	0.632949
	16	0.5799000*	0.0263546	0.000	0.526851	0.632949
	17	0.5799000*	0.0263546	0.000	0.526851	0.632949
	18	0.5605000*	0.0263546	0.000	0.507451	0.613549
	19	0.1218667*	0.0263546	0.000	0.068818	0.174916
	20	0.5799000*	0.0263546	0.000	0.526851	0.632949
	21	0.2843000*	0.0263546	0.000	0.231251	0.337349
	22	0.4694667*	0.0263546	0.000	0.416418	0.522516

	23	−0.1942000*	0.0263546	0.000	−0.247249	−0.141151
10	1	−0.0006000	0.0263546	0.982	−0.053649	0.052449
	2	−0.8023000*	0.0263546	0.000	−0.855349	−0.749251
	3	−0.0006000	0.0263546	0.982	−0.053649	0.052449
	4	−0.0918000*	0.0263546	0.001	−0.144849	−0.038751
	5	−0.3552667*	0.0263546	0.000	−0.408316	−0.302218
	6	0.0000000	0.0263546	1.000	−0.053049	0.053049
	7	−0.6877000*	0.0263546	0.000	−0.740749	−0.634651
	8	−0.0006000	0.0263546	0.982	−0.053649	0.052449
	9	−0.5805000*	0.0263546	0.000	−0.633549	−0.527451
	11	−0.3092333*	0.0263546	0.000	−0.362282	−0.256184
	12	−0.0590000*	0.0263546	0.030	−0.112049	−0.005951
	13	−0.0006000	0.0263546	0.982	−0.053649	0.052449
	14	−0.0232667	0.0263546	0.382	−0.076316	0.029782
	15	−0.0006000	0.0263546	0.982	−0.053649	0.052449
	16	−0.0006000	0.0263546	0.982	−0.053649	0.052449
	17	−0.0006000	0.0263546	0.982	−0.053649	0.052449
	18	−0.0200000	0.0263546	0.452	−0.073049	0.033049
	19	−0.4586333*	0.0263546	0.000	−0.511682	−0.405584
	20	−0.0006000	0.0263546	0.982	−0.053649	0.052449
	21	−0.2962000*	0.0263546	0.000	−0.349249	−0.243151
	22	−0.1110333*	0.0263546	0.000	−0.164082	−0.057984
	23	−0.7747000*	0.0263546	0.000	−0.827749	−0.721651
11	1	0.3086333*	0.0263546	0.000	0.255584	0.361682
	2	−0.4930667*	0.0263546	0.000	−0.546116	−0.440018
	3	0.3086333*	0.0263546	0.000	0.255584	0.361682
	4	0.2174333*	0.0263546	0.000	0.164384	0.270482
	5	−0.0460333	0.0263546	0.087	−0.099082	0.007016
	6	0.3092333*	0.0263546	0.000	0.256184	0.362282
	7	−0.3784667*	0.0263546	0.000	−0.431516	−0.325418
	8	0.3086333*	0.0263546	0.000	0.255584	0.361682
	9	−0.2712667*	0.0263546	0.000	−0.324316	−0.218218
	10	0.3092333*	0.0263546	0.000	0.256184	0.362282
	12	0.2502333*	0.0263546	0.000	0.197184	0.303282
	13	0.3086333*	0.0263546	0.000	0.255584	0.361682
	14	0.2859667*	0.0263546	0.000	0.232918	0.339016
	15	0.3086333*	0.0263546	0.000	0.255584	0.361682
	16	0.3086333*	0.0263546	0.000	0.255584	0.361682
	17	0.3086333*	0.0263546	0.000	0.255584	0.361682
	18	0.2892333*	0.0263546	0.000	0.236184	0.342282
	19	−0.1494000*	0.0263546	0.000	−0.202449	−0.096351

	20	0.3086333*	0.0263546	0.000	0.255584	0.361682
	21	0.0130333	0.0263546	0.623	−0.040016	0.066082
	22	0.1982000*	0.0263546	0.000	0.145151	0.251249
	23	−0.4654667*	0.0263546	0.000	−0.518516	−0.412418
12	1	0.0584000*	0.0263546	0.032	0.005351	0.111449
	2	−0.7433000*	0.0263546	0.000	−0.796349	−0.690251
	3	0.0584000*	0.0263546	0.032	0.005351	0.111449
	4	−0.0328000	0.0263546	0.220	−0.085849	0.020249
	5	−0.2962667*	0.0263546	0.000	−0.349316	−0.243218
	6	0.0590000*	0.0263546	0.030	0.005951	0.112049
	7	−0.6287000*	0.0263546	0.000	−0.681749	−0.575651
	8	0.0584000*	0.0263546	0.032	0.005351	0.111449
	9	−0.5215000*	0.0263546	0.000	−0.574549	−0.468451
	10	0.0590000*	0.0263546	0.030	0.005951	0.112049
	11	−0.2502333*	0.0263546	0.000	−0.303282	−0.197184
	13	0.0584000*	0.0263546	0.032	0.005351	0.111449
	14	0.0357333	0.0263546	0.182	−0.017316	0.088782
	15	0.0584000*	0.0263546	0.032	0.005351	0.111449
	16	0.0584000*	0.0263546	0.032	0.005351	0.111449
	17	0.0584000*	0.0263546	0.032	0.005351	0.111449
	18	0.0390000	0.0263546	0.146	−0.014049	0.092049
	19	−0.3996333*	0.0263546	0.000	−0.452682	−0.346584
	20	0.0584000*	0.0263546	0.032	0.005351	0.111449
	21	−0.2372000*	0.0263546	0.000	−0.290249	−0.184151
	22	−0.0520333	0.0263546	0.054	−0.105082	0.001016
	23	−0.7157000*	0.0263546	0.000	−0.768749	−0.662651
13	1	0.0000000	0.0263546	1.000	−0.053049	0.053049
	2	−0.8017000*	0.0263546	0.000	−0.854749	−0.748651
	3	0.0000000	0.0263546	1.000	−0.053049	0.053049
	4	−0.0912000*	0.0263546	0.001	−0.144249	−0.038151
	5	−0.3546667*	0.0263546	0.000	−0.407716	−0.301618
	6	0.0006000	0.0263546	0.982	−0.052449	0.053649
	7	−0.6871000*	0.0263546	0.000	−0.740149	−0.634051
	8	0.0000000	0.0263546	1.000	−0.053049	0.053049
	9	−0.5799000*	0.0263546	0.000	−0.632949	−0.526851
	10	0.0006000	0.0263546	0.982	−0.052449	0.053649
	11	−0.3086333*	0.0263546	0.000	−0.361682	−0.255584
	12	−0.0584000*	0.0263546	0.032	−0.111449	−0.005351
	14	−0.0226667	0.0263546	0.394	−0.075716	0.030382
	15	0.0000000	0.0263546	1.000	−0.053049	0.053049
	16	0.0000000	0.0263546	1.000	−0.053049	0.053049

	17	0.0000000	0.0263546	1.000	−0.053049	0.053049
	18	−0.0194000	0.0263546	0.465	−0.072449	0.033649
	19	−0.4580333*	0.0263546	0.000	−0.511082	−0.404984
	20	0.0000000	0.0263546	1.000	−0.053049	0.053049
	21	−0.2956000*	0.0263546	0.000	−0.348649	−0.242551
	22	−0.1104333*	0.0263546	0.000	−0.163482	−0.057384
	23	−0.7741000*	0.0263546	0.000	−0.827149	−0.721051
14	1	0.0226667	0.0263546	0.394	−0.030382	0.075716
	2	−0.7790333*	0.0263546	0.000	−0.832082	−0.725984
	3	0.0226667	0.0263546	0.394	−0.030382	0.075716
	4	−0.0685333*	0.0263546	0.012	−0.121582	−0.015484
	5	−0.3320000*	0.0263546	0.000	−0.385049	−0.278951
	6	0.0232667	0.0263546	0.382	−0.029782	0.076316
	7	−0.6644333*	0.0263546	0.000	−0.717482	−0.611384
	8	0.0226667	0.0263546	0.394	−0.030382	0.075716
	9	−0.5572333*	0.0263546	0.000	−0.610282	−0.504184
	10	0.0232667	0.0263546	0.382	−0.029782	0.076316
	11	−0.2859667*	0.0263546	0.000	−0.339016	−0.232918
	12	−0.0357333	0.0263546	0.182	−0.088782	0.017316
	13	0.0226667	0.0263546	0.394	−0.030382	0.075716
	15	0.0226667	0.0263546	0.394	−0.030382	0.075716
	16	0.0226667	0.0263546	0.394	−0.030382	0.075716
	17	0.0226667	0.0263546	0.394	−0.030382	0.075716
	18	0.0032667	0.0263546	0.902	−0.049782	0.056316
	19	−0.4353667*	0.0263546	0.000	−0.488416	−0.382318
	20	0.0226667	0.0263546	0.394	−0.030382	0.075716
	21	−0.2729333*	0.0263546	0.000	−0.325982	−0.219884
	22	−0.0877667*	0.0263546	0.002	−0.140816	−0.034718
	23	−0.7514333*	0.0263546	0.000	−0.804482	−0.698384
15	1	0.0000000	0.0263546	1.000	−0.053049	0.053049
	2	−0.8017000*	0.0263546	0.000	−0.854749	−0.748651
	3	0.0000000	0.0263546	1.000	−0.053049	0.053049
	4	−0.0912000*	0.0263546	0.001	−0.144249	−0.038151
	5	−0.3546667*	0.0263546	0.000	−0.407716	−0.301618
	6	0.0006000	0.0263546	0.982	−0.052449	0.053649
	7	−0.6871000*	0.0263546	0.000	−0.740149	−0.634051
	8	0.0000000	0.0263546	1.000	−0.053049	0.053049
	9	−0.5799000*	0.0263546	0.000	−0.632949	−0.526851
	10	0.0006000	0.0263546	0.982	−0.052449	0.053649
	11	−0.3086333*	0.0263546	0.000	−0.361682	−0.255584
	12	−0.0584000*	0.0263546	0.032	−0.111449	−0.005351

	13	0.0000000	0.0263546	1.000	−0.053049	0.053049
	14	−0.0226667	0.0263546	0.394	−0.075716	0.030382
	16	0.0000000	0.0263546	1.000	−0.053049	0.053049
	17	0.0000000	0.0263546	1.000	−0.053049	0.053049
	18	−0.0194000	0.0263546	0.465	−0.072449	0.033649
	19	−0.4580333*	0.0263546	0.000	−0.511082	−0.404984
	20	0.0000000	0.0263546	1.000	−0.053049	0.053049
	21	−0.2956000*	0.0263546	0.000	−0.348649	−0.242551
	22	−0.1104333*	0.0263546	0.000	−0.163482	−0.057384
	23	−0.7741000*	0.0263546	0.000	−0.827149	−0.721051
16	1	0.0000000	0.0263546	1.000	−0.053049	0.053049
	2	−0.8017000*	0.0263546	0.000	−0.854749	−0.748651
	3	0.0000000	0.0263546	1.000	−0.053049	0.053049
	4	−0.0912000*	0.0263546	0.001	−0.144249	−0.038151
	5	−0.3546667*	0.0263546	0.000	−0.407716	−0.301618
	6	0.0006000	0.0263546	0.982	−0.052449	0.053649
	7	−0.6871000*	0.0263546	0.000	−0.740149	−0.634051
	8	0.0000000	0.0263546	1.000	−0.053049	0.053049
	9	−0.5799000*	0.0263546	0.000	−0.632949	−0.526851
	10	0.0006000	0.0263546	0.982	−0.052449	0.053649
	11	−0.3086333*	0.0263546	0.000	−0.361682	−0.255584
	12	−0.0584000*	0.0263546	0.032	−0.111449	−0.005351
	13	0.0000000	0.0263546	1.000	−0.053049	0.053049
	14	−0.0226667	0.0263546	0.394	−0.075716	0.030382
	15	0.0000000	0.0263546	1.000	−0.053049	0.053049
	17	0.0000000	0.0263546	1.000	−0.053049	0.053049
	18	−0.0194000	0.0263546	0.465	−0.072449	0.033649
	19	−0.4580333*	0.0263546	0.000	−0.511082	−0.404984
	20	0.0000000	0.0263546	1.000	−0.053049	0.053049
	21	−0.2956000*	0.0263546	0.000	−0.348649	−0.242551
	22	−0.1104333*	0.0263546	0.000	−0.163482	−0.057384
	23	−0.7741000*	0.0263546	0.000	−0.827149	−0.721051
17	1	0.0000000	0.0263546	1.000	−0.053049	0.053049
	2	−0.8017000*	0.0263546	0.000	−0.854749	−0.748651
	3	0.0000000	0.0263546	1.000	−0.053049	0.053049
	4	−0.0912000*	0.0263546	0.001	−0.144249	−0.038151
	5	−0.3546667*	0.0263546	0.000	−0.407716	−0.301618
	6	0.0006000	0.0263546	0.982	−0.052449	0.053649
	7	−0.6871000*	0.0263546	0.000	−0.740149	−0.634051
	8	0.0000000	0.0263546	1.000	−0.053049	0.053049
	9	−0.5799000*	0.0263546	0.000	−0.632949	−0.526851

	10	0.0006000	0.0263546	0.982	−0.052449	0.053649
	11	−0.3086333*	0.0263546	0.000	−0.361682	−0.255584
	12	−0.0584000*	0.0263546	0.032	−0.111449	−0.005351
	13	0.0000000	0.0263546	1.000	−0.053049	0.053049
	14	−0.0226667	0.0263546	0.394	−0.075716	0.030382
	15	0.0000000	0.0263546	1.000	−0.053049	0.053049
	16	0.0000000	0.0263546	1.000	−0.053049	0.053049
	18	−0.0194000	0.0263546	0.465	−0.072449	0.033649
	19	−0.4580333*	0.0263546	0.000	−0.511082	−0.404984
	20	0.0000000	0.0263546	1.000	−0.053049	0.053049
	21	−0.2956000*	0.0263546	0.000	−0.348649	−0.242551
	22	−0.1104333*	0.0263546	0.000	−0.163482	−0.057384
	23	−0.7741000*	0.0263546	0.000	−0.827149	−0.721051
18	1	0.0194000	0.0263546	0.465	−0.033649	0.072449
	2	−0.7823000*	0.0263546	0.000	−0.835349	−0.729251
	3	0.0194000	0.0263546	0.465	−0.033649	0.072449
	4	−0.0718000*	0.0263546	0.009	−0.124849	−0.018751
	5	−0.3352667*	0.0263546	0.000	−0.388316	−0.282218
	6	0.0200000	0.0263546	0.452	−0.033049	0.073049
	7	−0.6677000*	0.0263546	0.000	−0.720749	−0.614651
	8	0.0194000	0.0263546	0.465	−0.033649	0.072449
	9	−0.5605000*	0.0263546	0.000	−0.613549	−0.507451
	10	0.0200000	0.0263546	0.452	−0.033049	0.073049
	11	−0.2892333*	0.0263546	0.000	−0.342282	−0.236184
	12	−0.0390000	0.0263546	0.146	−0.092049	0.014049
	13	0.0194000	0.0263546	0.465	−0.033649	0.072449
	14	−0.0032667	0.0263546	0.902	−0.056316	0.049782
	15	0.0194000	0.0263546	0.465	−0.033649	0.072449
	16	0.0194000	0.0263546	0.465	−0.033649	0.072449
	17	0.0194000	0.0263546	0.465	−0.033649	0.072449
	19	−0.4386333*	0.0263546	0.000	−0.491682	−0.385584
	20	0.0194000	0.0263546	0.465	−0.033649	0.072449
	21	−0.2762000*	0.0263546	0.000	−0.329249	−0.223151
	22	−0.0910333*	0.0263546	0.001	−0.144082	−0.037984
	23	−0.7547000*	0.0263546	0.000	−0.807749	−0.701651
19	1	0.4580333*	0.0263546	0.000	0.404984	0.511082
	2	−0.3436667*	0.0263546	0.000	−0.396716	−0.290618
	3	0.4580333*	0.0263546	0.000	0.404984	0.511082
	4	0.3668333*	0.0263546	0.000	0.313784	0.419882
	5	0.1033667*	0.0263546	0.000	0.050318	0.156416
	6	0.4586333*	0.0263546	0.000	0.405584	0.511682

	7	−0.2290667*	0.0263546	0.000	−0.282116	−0.176018
	8	0.4580333*	0.0263546	0.000	0.404984	0.511082
	9	−0.1218667*	0.0263546	0.000	−0.174916	−0.068818
	10	0.4586333*	0.0263546	0.000	0.405584	0.511682
	11	0.1494000*	0.0263546	0.000	0.096351	0.202449
	12	0.3996333*	0.0263546	0.000	0.346584	0.452682
	13	0.4580333*	0.0263546	0.000	0.404984	0.511082
	14	0.4353667*	0.0263546	0.000	0.382318	0.488416
	15	0.4580333*	0.0263546	0.000	0.404984	0.511082
	16	0.4580333*	0.0263546	0.000	0.404984	0.511082
	17	0.4580333*	0.0263546	0.000	0.404984	0.511082
	18	0.4386333*	0.0263546	0.000	0.385584	0.491682
	20	0.4580333*	0.0263546	0.000	0.404984	0.511082
	21	0.1624333*	0.0263546	0.000	0.109384	0.215482
	22	0.3476000*	0.0263546	0.000	0.294551	0.400649
	23	−0.3160667*	0.0263546	0.000	−0.369116	−0.263018
20	1	0.0000000	0.0263546	1.000	−0.053049	0.053049
	2	−0.8017000*	0.0263546	0.000	−0.854749	−0.748651
	3	0.0000000	0.0263546	1.000	−0.053049	0.053049
	4	−0.0912000*	0.0263546	0.001	−0.144249	−0.038151
	5	−0.3546667*	0.0263546	0.000	−0.407716	−0.301618
	6	0.0006000	0.0263546	0.982	−0.052449	0.053649
	7	−0.6871000*	0.0263546	0.000	−0.740149	−0.634051
	8	0.0000000	0.0263546	1.000	−0.053049	0.053049
	9	−0.5799000*	0.0263546	0.000	−0.632949	−0.526851
	10	0.0006000	0.0263546	0.982	−0.052449	0.053649
	11	−0.3086333*	0.0263546	0.000	−0.361682	−0.255584
	12	−0.0584000*	0.0263546	0.032	−0.111449	−0.005351
	13	0.0000000	0.0263546	1.000	−0.053049	0.053049
	14	−0.0226667	0.0263546	0.394	−0.075716	0.030382
	15	0.0000000	0.0263546	1.000	−0.053049	0.053049
	16	0.0000000	0.0263546	1.000	−0.053049	0.053049
	17	0.0000000	0.0263546	1.000	−0.053049	0.053049
	18	−0.0194000	0.0263546	0.465	−0.072449	0.033649
	19	−0.4580333*	0.0263546	0.000	−0.511082	−0.404984
	21	−0.2956000*	0.0263546	0.000	−0.348649	−0.242551
	22	−0.1104333*	0.0263546	0.000	−0.163482	−0.057384
	23	−0.7741000*	0.0263546	0.000	−0.827149	−0.721051
21	1	0.2956000*	0.0263546	0.000	0.242551	0.348649
	2	−0.5061000*	0.0263546	0.000	−0.559149	−0.453051
	3	0.2956000*	0.0263546	0.000	0.242551	0.348649

	4	0.2044000*	0.0263546	0.000	0.151351	0.257449
	5	−0.0590667*	0.0263546	0.030	−0.112116	−0.006018
	6	0.2962000*	0.0263546	0.000	0.243151	0.349249
	7	−0.3915000*	0.0263546	0.000	−0.444549	−0.338451
	8	0.2956000*	0.0263546	0.000	0.242551	0.348649
	9	−0.2843000*	0.0263546	0.000	−0.337349	−0.231251
	10	0.2962000*	0.0263546	0.000	0.243151	0.349249
	11	−0.0130333	0.0263546	0.623	−0.066082	0.040016
	12	0.2372000*	0.0263546	0.000	0.184151	0.290249
	13	0.2956000*	0.0263546	0.000	0.242551	0.348649
	14	0.2729333*	0.0263546	0.000	0.219884	0.325982
	15	0.2956000*	0.0263546	0.000	0.242551	0.348649
	16	0.2956000*	0.0263546	0.000	0.242551	0.348649
	17	0.2956000*	0.0263546	0.000	0.242551	0.348649
	18	0.2762000*	0.0263546	0.000	0.223151	0.329249
	19	−0.1624333*	0.0263546	0.000	−0.215482	−0.109384
	20	0.2956000*	0.0263546	0.000	0.242551	0.348649
	22	0.1851667*	0.0263546	0.000	0.132118	0.238216
	23	−0.4785000*	0.0263546	0.000	−0.531549	−0.425451
22	1	0.1104333*	0.0263546	0.000	0.057384	0.163482
	2	−0.6912667*	0.0263546	0.000	−0.744316	−0.638218
	3	0.1104333*	0.0263546	0.000	0.057384	0.163482
	4	0.0192333	0.0263546	0.469	−0.033816	0.072282
	5	−0.2442333*	0.0263546	0.000	−0.297282	−0.191184
	6	0.1110333*	0.0263546	0.000	0.057984	0.164082
	7	−0.5766667*	0.0263546	0.000	−0.629716	−0.523618
	8	0.1104333*	0.0263546	0.000	0.057384	0.163482
	9	−0.4694667*	0.0263546	0.000	−0.522516	−0.416418
	10	0.1110333*	0.0263546	0.000	0.057984	0.164082
	11	−0.1982000*	0.0263546	0.000	−0.251249	−0.145151
	12	0.0520333	0.0263546	0.054	−0.001016	0.105082
	13	0.1104333*	0.0263546	0.000	0.057384	0.163482
	14	0.0877667*	0.0263546	0.002	0.034718	0.140816
	15	0.1104333*	0.0263546	0.000	0.057384	0.163482
	16	0.1104333*	0.0263546	0.000	0.057384	0.163482
	17	0.1104333*	0.0263546	0.000	0.057384	0.163482
	18	0.0910333*	0.0263546	0.001	0.037984	0.144082
	19	−0.3476000*	0.0263546	0.000	−0.400649	−0.294551
	20	0.1104333*	0.0263546	0.000	0.057384	0.163482
	21	−0.1851667*	0.0263546	0.000	−0.238216	−0.132118
	23	−0.6636667*	0.0263546	0.000	−0.716716	−0.610618

23	1	0.7741000*	0.0263546	0.000	0.721051	0.827149
	2	−0.0276000	0.0263546	0.300	−0.080649	0.025449
	3	0.7741000*	0.0263546	0.000	0.721051	0.827149
	4	0.6829000*	0.0263546	0.000	0.629851	0.735949
	5	0.4194333*	0.0263546	0.000	0.366384	0.472482
	6	0.7747000*	0.0263546	0.000	0.721651	0.827749
	7	0.0870000*	0.0263546	0.002	0.033951	0.140049
	8	0.7741000*	0.0263546	0.000	0.721051	0.827149
	9	0.1942000*	0.0263546	0.000	0.141151	0.247249
	10	0.7747000*	0.0263546	0.000	0.721651	0.827749
	11	0.4654667*	0.0263546	0.000	0.412418	0.518516
	12	0.7157000*	0.0263546	0.000	0.662651	0.768749
	13	0.7741000*	0.0263546	0.000	0.721051	0.827149
	14	0.7514333*	0.0263546	0.000	0.698384	0.804482
	15	0.7741000*	0.0263546	0.000	0.721051	0.827149
	16	0.7741000*	0.0263546	0.000	0.721051	0.827149
	17	0.7741000*	0.0263546	0.000	0.721051	0.827149
	18	0.7547000*	0.0263546	0.000	0.701651	0.807749
	19	0.3160667*	0.0263546	0.000	0.263018	0.369116
	20	0.7741000*	0.0263546	0.000	0.721051	0.827149
	21	0.4785000*	0.0263546	0.000	0.425451	0.531549
	22	0.6636667*	0.0263546	0.000	0.610618	0.716716

*. The mean difference is significant at the 0.05 level.

Table S2. One-way ANOVA method was employed for statistical analysis of the inhibitions of 23 treatments on the pathogen *Magnaporthe oryzae*. Nos. 1-22 were EtOAc extracts of endophytes and No. 23 was the positive control carbendazim.

Descriptives

Inhibition

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean	
					Lower Bound	Upper Bound
1	3	0.157300	0.0112000	0.0064663	0.129478	0.185122
2	3	0.191000	0.0000000	0.0000000	0.191000	0.191000
3	3	0.131100	0.0171520	0.0099027	0.088492	0.173708
4	3	0.224700	0.0225000	0.0129904	0.168807	0.280593
5	3	0.123600	0.0000000	0.0000000	0.123600	0.123600
6	3	0.134850	0.0224500	0.0129615	0.079081	0.190619
7	3	0.243433	0.0065241	0.0037667	0.227227	0.259640
8	3	0.129200	0.0056000	0.0032332	0.115289	0.143111
9	3	0.207850	0.0056500	0.0032620	0.193815	0.221885
10	3	0.134850	0.0449500	0.0259519	0.023188	0.246512
11	3	0.044950	0.0112500	0.0064952	0.017003	0.072897
12	3	0.039350	0.0000000	0.0000000	0.039350	0.039350
13	3	0.191000	0.0000000	0.0000000	0.191000	0.191000
14	3	0.048700	0.0282920	0.0163344	−0.021581	0.118981
15	3	0.213500	0.0000000	0.0000000	0.213500	0.213500
16	3	0.097400	0.0576818	0.0333026	−0.045890	0.240690
17	3	−0.014978	0.0394834	0.0227957	−0.113060	0.083104
18	3	0.123600	0.0449000	0.0259230	0.012062	0.235138
19	3	0.209733	0.0394850	0.0227967	0.111647	0.307819
20	3	0.044967	0.0194567	0.0112333	−0.003366	0.093300
21	3	0.185400	0.0056000	0.0032332	0.171489	0.199311
22	3	0.297750	0.0056500	0.0032620	0.283715	0.311785
23	3	1.000000	0.0000000	0.0000000	1.000000	1.000000
Total	69	0.180837	0.1923356	0.0231545	0.134633	0.227041

Descriptives

Inhibition

	Minimum	Maximum
1	0.1461	0.1685
2	0.1910	0.1910

3	0.1124	0.1461
4	0.2022	0.2472
5	0.1236	0.1236
6	0.1124	0.1573
7	0.2359	0.2472
8	0.1236	0.1348
9	0.2022	0.2135
10	0.0899	0.1798
11	0.0337	0.0562
12	0.0394	0.0394
13	0.1910	0.1910
14	0.0225	0.0787
15	0.2135	0.2135
16	0.0337	0.1461
17	−0.0562	0.0225
18	0.0787	0.1685
19	0.1685	0.2472
20	0.0225	0.0562
21	0.1798	0.1910
22	0.2921	0.3034
23	1.0000	1.0000
Total	−0.0562	1.0000

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
Inhibition	Based on Mean	2.941	22	46	0.001
	Based on Median	1.766	22	46	0.052
	Based on Median and with adjusted df	1.766	22	13.261	0.143
	Based on trimmed mean	2.869	22	46	0.001

ANOVA

Inhibition

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	2.489	22	0.113	194.369	0.000
Within Groups	0.027	46	0.001		
Total	2.516	68			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: Inhibition

LSD

(I) Strains	(J) Strains	Mean Difference (I–J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
1	2	−0.0337000	0.0196979	0.094	−0.073350	0.005950
	3	0.0262000	0.0196979	0.190	−0.013450	0.065850
	4	−0.0674000*	0.0196979	0.001	−0.107050	−0.027750
	5	0.0337000	0.0196979	0.094	−0.005950	0.073350
	6	0.0224500	0.0196979	0.260	−0.017200	0.062100
	7	−0.0861333*	0.0196979	0.000	−0.125783	−0.046483
	8	0.0281000	0.0196979	0.160	−0.011550	0.067750
	9	−0.0505500*	0.0196979	0.014	−0.090200	−0.010900
	10	0.0224500	0.0196979	0.260	−0.017200	0.062100
	11	0.1123500*	0.0196979	0.000	0.072700	0.152000
	12	0.1179500*	0.0196979	0.000	0.078300	0.157600
	13	−0.0337000	0.0196979	0.094	−0.073350	0.005950
	14	0.1086000*	0.0196979	0.000	0.068950	0.148250
	15	−0.0562000*	0.0196979	0.006	−0.095850	−0.016550
	16	0.0599000*	0.0196979	0.004	0.020250	0.099550
	17	0.1722778*	0.0196979	0.000	0.132628	0.211928
	18	0.0337000	0.0196979	0.094	−0.005950	0.073350
	19	−0.0524333*	0.0196979	0.011	−0.092083	−0.012783
	20	0.1123333*	0.0196979	0.000	0.072683	0.151983
	21	−0.0281000	0.0196979	0.160	−0.067750	0.011550
	22	−0.1404500*	0.0196979	0.000	−0.180100	−0.100800
	23	−0.8427000*	0.0196979	0.000	−0.882350	−0.803050
2	1	0.0337000	0.0196979	0.094	−0.005950	0.073350
	3	0.0599000*	0.0196979	0.004	0.020250	0.099550
	4	−0.0337000	0.0196979	0.094	−0.073350	0.005950
	5	0.0674000*	0.0196979	0.001	0.027750	0.107050
	6	0.0561500*	0.0196979	0.007	0.016500	0.095800
	7	−0.0524333*	0.0196979	0.011	−0.092083	−0.012783
	8	0.0618000*	0.0196979	0.003	0.022150	0.101450
	9	−0.0168500	0.0196979	0.397	−0.056500	0.022800
	10	0.0561500*	0.0196979	0.007	0.016500	0.095800
	11	0.1460500*	0.0196979	0.000	0.106400	0.185700
	12	0.1516500*	0.0196979	0.000	0.112000	0.191300
	13	0.0000000	0.0196979	1.000	−0.039650	0.039650
	14	0.1423000*	0.0196979	0.000	0.102650	0.181950
	15	−0.0225000	0.0196979	0.259	−0.062150	0.017150

	16	0.0936000*	0.0196979	0.000	0.053950	0.133250
	17	0.2059778*	0.0196979	0.000	0.166328	0.245628
	18	0.0674000*	0.0196979	0.001	0.027750	0.107050
	19	−0.0187333	0.0196979	0.347	−0.058383	0.020917
	20	0.1460333*	0.0196979	0.000	0.106383	0.185683
	21	0.0056000	0.0196979	0.777	−0.034050	0.045250
	22	−0.1067500*	0.0196979	0.000	−0.146400	−0.067100
	23	−0.8090000*	0.0196979	0.000	−0.848650	−0.769350
3	1	−0.0262000	0.0196979	0.190	−0.065850	0.013450
	2	−0.0599000*	0.0196979	0.004	−0.099550	−0.020250
	4	−0.0936000*	0.0196979	0.000	−0.133250	−0.053950
	5	0.0075000	0.0196979	0.705	−0.032150	0.047150
	6	−0.0037500	0.0196979	0.850	−0.043400	0.035900
	7	−0.1123333*	0.0196979	0.000	−0.151983	−0.072683
	8	0.0019000	0.0196979	0.924	−0.037750	0.041550
	9	−0.0767500*	0.0196979	0.000	−0.116400	−0.037100
	10	−0.0037500	0.0196979	0.850	−0.043400	0.035900
	11	0.0861500*	0.0196979	0.000	0.046500	0.125800
	12	0.0917500*	0.0196979	0.000	0.052100	0.131400
	13	−0.0599000*	0.0196979	0.004	−0.099550	−0.020250
	14	0.0824000*	0.0196979	0.000	0.042750	0.122050
	15	−0.0824000*	0.0196979	0.000	−0.122050	−0.042750
	16	0.0337000	0.0196979	0.094	−0.005950	0.073350
	17	0.1460778*	0.0196979	0.000	0.106428	0.185728
	18	0.0075000	0.0196979	0.705	−0.032150	0.047150
	19	−0.0786333*	0.0196979	0.000	−0.118283	−0.038983
	20	0.0861333*	0.0196979	0.000	0.046483	0.125783
	21	−0.0543000*	0.0196979	0.008	−0.093950	−0.014650
	22	−0.1666500*	0.0196979	0.000	−0.206300	−0.127000
	23	−0.8689000*	0.0196979	0.000	−0.908550	−0.829250
4	1	0.0674000*	0.0196979	0.001	0.027750	0.107050
	2	0.0337000	0.0196979	0.094	−0.005950	0.073350
	3	0.0936000*	0.0196979	0.000	0.053950	0.133250
	5	0.1011000*	0.0196979	0.000	0.061450	0.140750
	6	0.0898500*	0.0196979	0.000	0.050200	0.129500
	7	−0.0187333	0.0196979	0.347	−0.058383	0.020917
	8	0.0955000*	0.0196979	0.000	0.055850	0.135150
	9	0.0168500	0.0196979	0.397	−0.022800	0.056500
	10	0.0898500*	0.0196979	0.000	0.050200	0.129500
	11	0.1797500*	0.0196979	0.000	0.140100	0.219400
	12	0.1853500*	0.0196979	0.000	0.145700	0.225000

	13	0.0337000	0.0196979	0.094	−0.005950	0.073350
	14	0.1760000*	0.0196979	0.000	0.136350	0.215650
	15	0.0112000	0.0196979	0.572	−0.028450	0.050850
	16	0.1273000*	0.0196979	0.000	0.087650	0.166950
	17	0.2396778*	0.0196979	0.000	0.200028	0.279328
	18	0.1011000*	0.0196979	0.000	0.061450	0.140750
	19	0.0149667	0.0196979	0.451	−0.024683	0.054617
	20	0.1797333*	0.0196979	0.000	0.140083	0.219383
	21	0.0393000	0.0196979	0.052	−0.000350	0.078950
	22	−0.0730500*	0.0196979	0.001	−0.112700	−0.033400
	23	−0.7753000*	0.0196979	0.000	−0.814950	−0.735650
5	1	−0.0337000	0.0196979	0.094	−0.073350	0.005950
	2	−0.0674000*	0.0196979	0.001	−0.107050	−0.027750
	3	−0.0075000	0.0196979	0.705	−0.047150	0.032150
	4	−0.1011000*	0.0196979	0.000	−0.140750	−0.061450
	6	−0.0112500	0.0196979	0.571	−0.050900	0.028400
	7	−0.1198333*	0.0196979	0.000	−0.159483	−0.080183
	8	−0.0056000	0.0196979	0.777	−0.045250	0.034050
	9	−0.0842500*	0.0196979	0.000	−0.123900	−0.044600
	10	−0.0112500	0.0196979	0.571	−0.050900	0.028400
	11	0.0786500*	0.0196979	0.000	0.039000	0.118300
	12	0.0842500*	0.0196979	0.000	0.044600	0.123900
	13	−0.0674000*	0.0196979	0.001	−0.107050	−0.027750
	14	0.0749000*	0.0196979	0.000	0.035250	0.114550
	15	−0.0899000*	0.0196979	0.000	−0.129550	−0.050250
	16	0.0262000	0.0196979	0.190	−0.013450	0.065850
	17	0.1385778*	0.0196979	0.000	0.098928	0.178228
	18	0.0000000	0.0196979	1.000	−0.039650	0.039650
	19	−0.0861333*	0.0196979	0.000	−0.125783	−0.046483
	20	0.0786333*	0.0196979	0.000	0.038983	0.118283
	21	−0.0618000*	0.0196979	0.003	−0.101450	−0.022150
	22	−0.1741500*	0.0196979	0.000	−0.213800	−0.134500
	23	−0.8764000*	0.0196979	0.000	−0.916050	−0.836750
6	1	−0.0224500	0.0196979	0.260	−0.062100	0.017200
	2	−0.0561500*	0.0196979	0.007	−0.095800	−0.016500
	3	0.0037500	0.0196979	0.850	−0.035900	0.043400
	4	−0.0898500*	0.0196979	0.000	−0.129500	−0.050200
	5	0.0112500	0.0196979	0.571	−0.028400	0.050900
	7	−0.1085833*	0.0196979	0.000	−0.148233	−0.068933
	8	0.0056500	0.0196979	0.776	−0.034000	0.045300
	9	−0.0730000*	0.0196979	0.001	−0.112650	−0.033350

	10	0.0000000	0.0196979	1.000	−0.039650	0.039650
	11	0.0899000*	0.0196979	0.000	0.050250	0.129550
	12	0.0955000*	0.0196979	0.000	0.055850	0.135150
	13	−0.0561500*	0.0196979	0.007	−0.095800	−0.016500
	14	0.0861500*	0.0196979	0.000	0.046500	0.125800
	15	−0.0786500*	0.0196979	0.000	−0.118300	−0.039000
	16	0.0374500	0.0196979	0.064	−0.002200	0.077100
	17	0.1498278*	0.0196979	0.000	0.110178	0.189478
	18	0.0112500	0.0196979	0.571	−0.028400	0.050900
	19	−0.0748833*	0.0196979	0.000	−0.114533	−0.035233
	20	0.0898833*	0.0196979	0.000	0.050233	0.129533
	21	−0.0505500*	0.0196979	0.014	−0.090200	−0.010900
	22	−0.1629000*	0.0196979	0.000	−0.202550	−0.123250
	23	−0.8651500*	0.0196979	0.000	−0.904800	−0.825500
7	1	0.0861333*	0.0196979	0.000	0.046483	0.125783
	2	0.0524333*	0.0196979	0.011	0.012783	0.092083
	3	0.1123333*	0.0196979	0.000	0.072683	0.151983
	4	0.0187333	0.0196979	0.347	−0.020917	0.058383
	5	0.1198333*	0.0196979	0.000	0.080183	0.159483
	6	0.1085833*	0.0196979	0.000	0.068933	0.148233
	8	0.1142333*	0.0196979	0.000	0.074583	0.153883
	9	0.0355833	0.0196979	0.077	−0.004067	0.075233
	10	0.1085833*	0.0196979	0.000	0.068933	0.148233
	11	0.1984833*	0.0196979	0.000	0.158833	0.238133
	12	0.2040833*	0.0196979	0.000	0.164433	0.243733
	13	0.0524333*	0.0196979	0.011	0.012783	0.092083
	14	0.1947333*	0.0196979	0.000	0.155083	0.234383
	15	0.0299333	0.0196979	0.135	−0.009717	0.069583
	16	0.1460333*	0.0196979	0.000	0.106383	0.185683
	17	0.2584111*	0.0196979	0.000	0.218761	0.298061
	18	0.1198333*	0.0196979	0.000	0.080183	0.159483
	19	0.0337000	0.0196979	0.094	−0.005950	0.073350
	20	0.1984667*	0.0196979	0.000	0.158817	0.238117
	21	0.0580333*	0.0196979	0.005	0.018383	0.097683
	22	−0.0543167*	0.0196979	0.008	−0.093967	−0.014667
	23	−0.7565667*	0.0196979	0.000	−0.796217	−0.716917
8	1	−0.0281000	0.0196979	0.160	−0.067750	0.011550
	2	−0.0618000*	0.0196979	0.003	−0.101450	−0.022150
	3	−0.0019000	0.0196979	0.924	−0.041550	0.037750
	4	−0.0955000*	0.0196979	0.000	−0.135150	−0.055850
	5	0.0056000	0.0196979	0.777	−0.034050	0.045250

	6	−0.0056500	0.0196979	0.776	−0.045300	0.034000
	7	−0.1142333*	0.0196979	0.000	−0.153883	−0.074583
	9	−0.0786500*	0.0196979	0.000	−0.118300	−0.039000
	10	−0.0056500	0.0196979	0.776	−0.045300	0.034000
	11	0.0842500*	0.0196979	0.000	0.044600	0.123900
	12	0.0898500*	0.0196979	0.000	0.050200	0.129500
	13	−0.0618000*	0.0196979	0.003	−0.101450	−0.022150
	14	0.0805000*	0.0196979	0.000	0.040850	0.120150
	15	−0.0843000*	0.0196979	0.000	−0.123950	−0.044650
	16	0.0318000	0.0196979	0.113	−0.007850	0.071450
	17	0.1441778*	0.0196979	0.000	0.104528	0.183828
	18	0.0056000	0.0196979	0.777	−0.034050	0.045250
	19	−0.0805333*	0.0196979	0.000	−0.120183	−0.040883
	20	0.0842333*	0.0196979	0.000	0.044583	0.123883
	21	−0.0562000*	0.0196979	0.006	−0.095850	−0.016550
	22	−0.1685500*	0.0196979	0.000	−0.208200	−0.128900
	23	−0.8708000*	0.0196979	0.000	−0.910450	−0.831150
9	1	0.0505500*	0.0196979	0.014	0.010900	0.090200
	2	0.0168500	0.0196979	0.397	−0.022800	0.056500
	3	0.0767500*	0.0196979	0.000	0.037100	0.116400
	4	−0.0168500	0.0196979	0.397	−0.056500	0.022800
	5	0.0842500*	0.0196979	0.000	0.044600	0.123900
	6	0.0730000*	0.0196979	0.001	0.033350	0.112650
	7	−0.0355833	0.0196979	0.077	−0.075233	0.004067
	8	0.0786500*	0.0196979	0.000	0.039000	0.118300
	10	0.0730000*	0.0196979	0.001	0.033350	0.112650
	11	0.1629000*	0.0196979	0.000	0.123250	0.202550
	12	0.1685000*	0.0196979	0.000	0.128850	0.208150
	13	0.0168500	0.0196979	0.397	−0.022800	0.056500
	14	0.1591500*	0.0196979	0.000	0.119500	0.198800
	15	−0.0056500	0.0196979	0.776	−0.045300	0.034000
	16	0.1104500*	0.0196979	0.000	0.070800	0.150100
	17	0.2228278*	0.0196979	0.000	0.183178	0.262478
	18	0.0842500*	0.0196979	0.000	0.044600	0.123900
	19	−0.0018833	0.0196979	0.924	−0.041533	0.037767
	20	0.1628833*	0.0196979	0.000	0.123233	0.202533
	21	0.0224500	0.0196979	0.260	−0.017200	0.062100
	22	−0.0899000*	0.0196979	0.000	−0.129550	−0.050250
	23	−0.7921500*	0.0196979	0.000	−0.831800	−0.752500
10	1	−0.0224500	0.0196979	0.260	−0.062100	0.017200
	2	−0.0561500*	0.0196979	0.007	−0.095800	−0.016500

	3	0.0037500	0.0196979	0.850	−0.035900	0.043400
	4	−0.0898500*	0.0196979	0.000	−0.129500	−0.050200
	5	0.0112500	0.0196979	0.571	−0.028400	0.050900
	6	0.0000000	0.0196979	1.000	−0.039650	0.039650
	7	−0.1085833*	0.0196979	0.000	−0.148233	−0.068933
	8	0.0056500	0.0196979	0.776	−0.034000	0.045300
	9	−0.0730000*	0.0196979	0.001	−0.112650	−0.033350
	11	0.0899000*	0.0196979	0.000	0.050250	0.129550
	12	0.0955000*	0.0196979	0.000	0.055850	0.135150
	13	−0.0561500*	0.0196979	0.007	−0.095800	−0.016500
	14	0.0861500*	0.0196979	0.000	0.046500	0.125800
	15	−0.0786500*	0.0196979	0.000	−0.118300	−0.039000
	16	0.0374500	0.0196979	0.064	−0.002200	0.077100
	17	0.1498278*	0.0196979	0.000	0.110178	0.189478
	18	0.0112500	0.0196979	0.571	−0.028400	0.050900
	19	−0.0748833*	0.0196979	0.000	−0.114533	−0.035233
	20	0.0898833*	0.0196979	0.000	0.050233	0.129533
	21	−0.0505500*	0.0196979	0.014	−0.090200	−0.010900
	22	−0.1629000*	0.0196979	0.000	−0.202550	−0.123250
	23	−0.8651500*	0.0196979	0.000	−0.904800	−0.825500
11	1	−0.1123500*	0.0196979	0.000	−0.152000	−0.072700
	2	−0.1460500*	0.0196979	0.000	−0.185700	−0.106400
	3	−0.0861500*	0.0196979	0.000	−0.125800	−0.046500
	4	−0.1797500*	0.0196979	0.000	−0.219400	−0.140100
	5	−0.0786500*	0.0196979	0.000	−0.118300	−0.039000
	6	−0.0899000*	0.0196979	0.000	−0.129550	−0.050250
	7	−0.1984833*	0.0196979	0.000	−0.238133	−0.158833
	8	−0.0842500*	0.0196979	0.000	−0.123900	−0.044600
	9	−0.1629000*	0.0196979	0.000	−0.202550	−0.123250
	10	−0.0899000*	0.0196979	0.000	−0.129550	−0.050250
	12	0.0056000	0.0196979	0.777	−0.034050	0.045250
	13	−0.1460500*	0.0196979	0.000	−0.185700	−0.106400
	14	−0.0037500	0.0196979	0.850	−0.043400	0.035900
	15	−0.1685500*	0.0196979	0.000	−0.208200	−0.128900
	16	−0.0524500*	0.0196979	0.011	−0.092100	−0.012800
	17	0.0599278*	0.0196979	0.004	0.020278	0.099578
	18	−0.0786500*	0.0196979	0.000	−0.118300	−0.039000
	19	−0.1647833*	0.0196979	0.000	−0.204433	−0.125133
	20	−0.0000167	0.0196979	0.999	−0.039667	0.039633
	21	−0.1404500*	0.0196979	0.000	−0.180100	−0.100800
	22	−0.2528000*	0.0196979	0.000	−0.292450	−0.213150

	23	−0.9550500*	0.0196979	0.000	−0.994700	−0.915400
12	1	−0.1179500*	0.0196979	0.000	−0.157600	−0.078300
	2	−0.1516500*	0.0196979	0.000	−0.191300	−0.112000
	3	−0.0917500*	0.0196979	0.000	−0.131400	−0.052100
	4	−0.1853500*	0.0196979	0.000	−0.225000	−0.145700
	5	−0.0842500*	0.0196979	0.000	−0.123900	−0.044600
	6	−0.0955000*	0.0196979	0.000	−0.135150	−0.055850
	7	−0.2040833*	0.0196979	0.000	−0.243733	−0.164433
	8	−0.0898500*	0.0196979	0.000	−0.129500	−0.050200
	9	−0.1685000*	0.0196979	0.000	−0.208150	−0.128850
	10	−0.0955000*	0.0196979	0.000	−0.135150	−0.055850
	11	−0.0056000	0.0196979	0.777	−0.045250	0.034050
	13	−0.1516500*	0.0196979	0.000	−0.191300	−0.112000
	14	−0.0093500	0.0196979	0.637	−0.049000	0.030300
	15	−0.1741500*	0.0196979	0.000	−0.213800	−0.134500
	16	−0.0580500*	0.0196979	0.005	−0.097700	−0.018400
	17	0.0543278*	0.0196979	0.008	0.014678	0.093978
	18	−0.0842500*	0.0196979	0.000	−0.123900	−0.044600
	19	−0.1703833*	0.0196979	0.000	−0.210033	−0.130733
	20	−0.0056167	0.0196979	0.777	−0.045267	0.034033
	21	−0.1460500*	0.0196979	0.000	−0.185700	−0.106400
	22	−0.2584000*	0.0196979	0.000	−0.298050	−0.218750
	23	−0.9606500*	0.0196979	0.000	−1.000300	−0.921000
13	1	0.0337000	0.0196979	0.094	−0.005950	0.073350
	2	0.0000000	0.0196979	1.000	−0.039650	0.039650
	3	0.0599000*	0.0196979	0.004	0.020250	0.099550
	4	−0.0337000	0.0196979	0.094	−0.073350	0.005950
	5	0.0674000*	0.0196979	0.001	0.027750	0.107050
	6	0.0561500*	0.0196979	0.007	0.016500	0.095800
	7	−0.0524333*	0.0196979	0.011	−0.092083	−0.012783
	8	0.0618000*	0.0196979	0.003	0.022150	0.101450
	9	−0.0168500	0.0196979	0.397	−0.056500	0.022800
	10	0.0561500*	0.0196979	0.007	0.016500	0.095800
	11	0.1460500*	0.0196979	0.000	0.106400	0.185700
	12	0.1516500*	0.0196979	0.000	0.112000	0.191300
	14	0.1423000*	0.0196979	0.000	0.102650	0.181950
	15	−0.0225000	0.0196979	0.259	−0.062150	0.017150
	16	0.0936000*	0.0196979	0.000	0.053950	0.133250
	17	0.2059778*	0.0196979	0.000	0.166328	0.245628
	18	0.0674000*	0.0196979	0.001	0.027750	0.107050
	19	−0.0187333	0.0196979	0.347	−0.058383	0.020917

	20	0.1460333*	0.0196979	0.000	0.106383	0.185683
	21	0.0056000	0.0196979	0.777	−0.034050	0.045250
	22	−0.1067500*	0.0196979	0.000	−0.146400	−0.067100
	23	−0.8090000*	0.0196979	0.000	−0.848650	−0.769350
14	1	−0.1086000*	0.0196979	0.000	−0.148250	−0.068950
	2	−0.1423000*	0.0196979	0.000	−0.181950	−0.102650
	3	−0.0824000*	0.0196979	0.000	−0.122050	−0.042750
	4	−0.1760000*	0.0196979	0.000	−0.215650	−0.136350
	5	−0.0749000*	0.0196979	0.000	−0.114550	−0.035250
	6	−0.0861500*	0.0196979	0.000	−0.125800	−0.046500
	7	−0.1947333*	0.0196979	0.000	−0.234383	−0.155083
	8	−0.0805000*	0.0196979	0.000	−0.120150	−0.040850
	9	−0.1591500*	0.0196979	0.000	−0.198800	−0.119500
	10	−0.0861500*	0.0196979	0.000	−0.125800	−0.046500
	11	0.0037500	0.0196979	0.850	−0.035900	0.043400
	12	0.0093500	0.0196979	0.637	−0.030300	0.049000
	13	−0.1423000*	0.0196979	0.000	−0.181950	−0.102650
	15	−0.1648000*	0.0196979	0.000	−0.204450	−0.125150
	16	−0.0487000*	0.0196979	0.017	−0.088350	−0.009050
	17	0.0636778*	0.0196979	0.002	0.024028	0.103328
	18	−0.0749000*	0.0196979	0.000	−0.114550	−0.035250
	19	−0.1610333*	0.0196979	0.000	−0.200683	−0.121383
	20	0.0037333	0.0196979	0.851	−0.035917	0.043383
	21	−0.1367000*	0.0196979	0.000	−0.176350	−0.097050
	22	−0.2490500*	0.0196979	0.000	−0.288700	−0.209400
	23	−0.9513000*	0.0196979	0.000	−0.990950	−0.911650
15	1	0.0562000*	0.0196979	0.006	0.016550	0.095850
	2	0.0225000	0.0196979	0.259	−0.017150	0.062150
	3	0.0824000*	0.0196979	0.000	0.042750	0.122050
	4	−0.0112000	0.0196979	0.572	−0.050850	0.028450
	5	0.0899000*	0.0196979	0.000	0.050250	0.129550
	6	0.0786500*	0.0196979	0.000	0.039000	0.118300
	7	−0.0299333	0.0196979	0.135	−0.069583	0.009717
	8	0.0843000*	0.0196979	0.000	0.044650	0.123950
	9	0.0056500	0.0196979	0.776	−0.034000	0.045300
	10	0.0786500*	0.0196979	0.000	0.039000	0.118300
	11	0.1685500*	0.0196979	0.000	0.128900	0.208200
	12	0.1741500*	0.0196979	0.000	0.134500	0.213800
	13	0.0225000	0.0196979	0.259	−0.017150	0.062150
	14	0.1648000*	0.0196979	0.000	0.125150	0.204450
	16	0.1161000*	0.0196979	0.000	0.076450	0.155750

	17	0.2284778*	0.0196979	0.000	0.188828	0.268128
	18	0.0899000*	0.0196979	0.000	0.050250	0.129550
	19	0.0037667	0.0196979	0.849	−0.035883	0.043417
	20	0.1685333*	0.0196979	0.000	0.128883	0.208183
	21	0.0281000	0.0196979	0.160	−0.011550	0.067750
	22	−0.0842500*	0.0196979	0.000	−0.123900	−0.044600
	23	−0.7865000*	0.0196979	0.000	−0.826150	−0.746850
16	1	−0.0599000*	0.0196979	0.004	−0.099550	−0.020250
	2	−0.0936000*	0.0196979	0.000	−0.133250	−0.053950
	3	−0.0337000	0.0196979	0.094	−0.073350	0.005950
	4	−0.1273000*	0.0196979	0.000	−0.166950	−0.087650
	5	−0.0262000	0.0196979	0.190	−0.065850	0.013450
	6	−0.0374500	0.0196979	0.064	−0.077100	0.002200
	7	−0.1460333*	0.0196979	0.000	−0.185683	−0.106383
	8	−0.0318000	0.0196979	0.113	−0.071450	0.007850
	9	−0.1104500*	0.0196979	0.000	−0.150100	−0.070800
	10	−0.0374500	0.0196979	0.064	−0.077100	0.002200
	11	0.0524500*	0.0196979	0.011	0.012800	0.092100
	12	0.0580500*	0.0196979	0.005	0.018400	0.097700
	13	−0.0936000*	0.0196979	0.000	−0.133250	−0.053950
	14	0.0487000*	0.0196979	0.017	0.009050	0.088350
	15	−0.1161000*	0.0196979	0.000	−0.155750	−0.076450
	17	0.1123778*	0.0196979	0.000	0.072728	0.152028
	18	−0.0262000	0.0196979	0.190	−0.065850	0.013450
	19	−0.1123333*	0.0196979	0.000	−0.151983	−0.072683
	20	0.0524333*	0.0196979	0.011	0.012783	0.092083
	21	−0.0880000*	0.0196979	0.000	−0.127650	−0.048350
	22	−0.2003500*	0.0196979	0.000	−0.240000	−0.160700
	23	−0.9026000*	0.0196979	0.000	−0.942250	−0.862950
17	1	−0.1722778*	0.0196979	0.000	−0.211928	−0.132628
	2	−0.2059778*	0.0196979	0.000	−0.245628	−0.166328
	3	−0.1460778*	0.0196979	0.000	−0.185728	−0.106428
	4	−0.2396778*	0.0196979	0.000	−0.279328	−0.200028
	5	−0.1385778*	0.0196979	0.000	−0.178228	−0.098928
	6	−0.1498278*	0.0196979	0.000	−0.189478	−0.110178
	7	−0.2584111*	0.0196979	0.000	−0.298061	−0.218761
	8	−0.1441778*	0.0196979	0.000	−0.183828	−0.104528
	9	−0.2228278*	0.0196979	0.000	−0.262478	−0.183178
	10	−0.1498278*	0.0196979	0.000	−0.189478	−0.110178
	11	−0.0599278*	0.0196979	0.004	−0.099578	−0.020278
	12	−0.0543278*	0.0196979	0.008	−0.093978	−0.014678

	13	−0.2059778*	0.0196979	0.000	−0.245628	−0.166328
	14	−0.0636778*	0.0196979	0.002	−0.103328	−0.024028
	15	−0.2284778*	0.0196979	0.000	−0.268128	−0.188828
	16	−0.1123778*	0.0196979	0.000	−0.152028	−0.072728
	18	−0.1385778*	0.0196979	0.000	−0.178228	−0.098928
	19	−0.2247111*	0.0196979	0.000	−0.264361	−0.185061
	20	−0.0599444*	0.0196979	0.004	−0.099594	−0.020295
	21	−0.2003778*	0.0196979	0.000	−0.240028	−0.160728
	22	−0.3127278*	0.0196979	0.000	−0.352378	−0.273078
	23	−1.0149778*	0.0196979	0.000	−1.054628	−0.975328
18	1	−0.0337000	0.0196979	0.094	−0.073350	0.005950
	2	−0.0674000*	0.0196979	0.001	−0.107050	−0.027750
	3	−0.0075000	0.0196979	0.705	−0.047150	0.032150
	4	−0.1011000*	0.0196979	0.000	−0.140750	−0.061450
	5	0.0000000	0.0196979	1.000	−0.039650	0.039650
	6	−0.0112500	0.0196979	0.571	−0.050900	0.028400
	7	−0.1198333*	0.0196979	0.000	−0.159483	−0.080183
	8	−0.0056000	0.0196979	0.777	−0.045250	0.034050
	9	−0.0842500*	0.0196979	0.000	−0.123900	−0.044600
	10	−0.0112500	0.0196979	0.571	−0.050900	0.028400
	11	0.0786500*	0.0196979	0.000	0.039000	0.118300
	12	0.0842500*	0.0196979	0.000	0.044600	0.123900
	13	−0.0674000*	0.0196979	0.001	−0.107050	−0.027750
	14	0.0749000*	0.0196979	0.000	0.035250	0.114550
	15	−0.0899000*	0.0196979	0.000	−0.129550	−0.050250
	16	0.0262000	0.0196979	0.190	−0.013450	0.065850
	17	0.1385778*	0.0196979	0.000	0.098928	0.178228
	19	−0.0861333*	0.0196979	0.000	−0.125783	−0.046483
	20	0.0786333*	0.0196979	0.000	0.038983	0.118283
	21	−0.0618000*	0.0196979	0.003	−0.101450	−0.022150
	22	−0.1741500*	0.0196979	0.000	−0.213800	−0.134500
	23	−0.8764000*	0.0196979	0.000	−0.916050	−0.836750
19	1	0.0524333*	0.0196979	0.011	0.012783	0.092083
	2	0.0187333	0.0196979	0.347	−0.020917	0.058383
	3	0.0786333*	0.0196979	0.000	0.038983	0.118283
	4	−0.0149667	0.0196979	0.451	−0.054617	0.024683
	5	0.0861333*	0.0196979	0.000	0.046483	0.125783
	6	0.0748833*	0.0196979	0.000	0.035233	0.114533
	7	−0.0337000	0.0196979	0.094	−0.073350	0.005950
	8	0.0805333*	0.0196979	0.000	0.040883	0.120183
	9	0.0018833	0.0196979	0.924	−0.037767	0.041533

	10	0.0748833*	0.0196979	0.000	0.035233	0.114533
	11	0.1647833*	0.0196979	0.000	0.125133	0.204433
	12	0.1703833*	0.0196979	0.000	0.130733	0.210033
	13	0.0187333	0.0196979	0.347	−0.020917	0.058383
	14	0.1610333*	0.0196979	0.000	0.121383	0.200683
	15	−0.0037667	0.0196979	0.849	−0.043417	0.035883
	16	0.1123333*	0.0196979	0.000	0.072683	0.151983
	17	0.2247111*	0.0196979	0.000	0.185061	0.264361
	18	0.0861333*	0.0196979	0.000	0.046483	0.125783
	20	0.1647667*	0.0196979	0.000	0.125117	0.204417
	21	0.0243333	0.0196979	0.223	−0.015317	0.063983
	22	−0.0880167*	0.0196979	0.000	−0.127667	−0.048367
	23	−0.7902667*	0.0196979	0.000	−0.829917	−0.750617
20	1	−0.1123333*	0.0196979	0.000	−0.151983	−0.072683
	2	−0.1460333*	0.0196979	0.000	−0.185683	−0.106383
	3	−0.0861333*	0.0196979	0.000	−0.125783	−0.046483
	4	−0.1797333*	0.0196979	0.000	−0.219383	−0.140083
	5	−0.0786333*	0.0196979	0.000	−0.118283	−0.038983
	6	−0.0898833*	0.0196979	0.000	−0.129533	−0.050233
	7	−0.1984667*	0.0196979	0.000	−0.238117	−0.158817
	8	−0.0842333*	0.0196979	0.000	−0.123883	−0.044583
	9	−0.1628833*	0.0196979	0.000	−0.202533	−0.123233
	10	−0.0898833*	0.0196979	0.000	−0.129533	−0.050233
	11	0.0000167	0.0196979	0.999	−0.039633	0.039667
	12	0.0056167	0.0196979	0.777	−0.034033	0.045267
	13	−0.1460333*	0.0196979	0.000	−0.185683	−0.106383
	14	−0.0037333	0.0196979	0.851	−0.043383	0.035917
	15	−0.1685333*	0.0196979	0.000	−0.208183	−0.128883
	16	−0.0524333*	0.0196979	0.011	−0.092083	−0.012783
	17	0.0599444*	0.0196979	0.004	0.020295	0.099594
	18	−0.0786333*	0.0196979	0.000	−0.118283	−0.038983
	19	−0.1647667*	0.0196979	0.000	−0.204417	−0.125117
	21	−0.1404333*	0.0196979	0.000	−0.180083	−0.100783
	22	−0.2527833*	0.0196979	0.000	−0.292433	−0.213133
	23	−0.9550333*	0.0196979	0.000	−0.994683	−0.915383
21	1	0.0281000	0.0196979	0.160	−0.011550	0.067750
	2	−0.0056000	0.0196979	0.777	−0.045250	0.034050
	3	0.0543000*	0.0196979	0.008	0.014650	0.093950
	4	−0.0393000	0.0196979	0.052	−0.078950	0.000350
	5	0.0618000*	0.0196979	0.003	0.022150	0.101450
	6	0.0505500*	0.0196979	0.014	0.010900	0.090200

	7	−0.0580333*	0.0196979	0.005	−0.097683	−0.018383
	8	0.0562000*	0.0196979	0.006	0.016550	0.095850
	9	−0.0224500	0.0196979	0.260	−0.062100	0.017200
	10	0.0505500*	0.0196979	0.014	0.010900	0.090200
	11	0.1404500*	0.0196979	0.000	0.100800	0.180100
	12	0.1460500*	0.0196979	0.000	0.106400	0.185700
	13	−0.0056000	0.0196979	0.777	−0.045250	0.034050
	14	0.1367000*	0.0196979	0.000	0.097050	0.176350
	15	−0.0281000	0.0196979	0.160	−0.067750	0.011550
	16	0.0880000*	0.0196979	0.000	0.048350	0.127650
	17	0.2003778*	0.0196979	0.000	0.160728	0.240028
	18	0.0618000*	0.0196979	0.003	0.022150	0.101450
	19	−0.0243333	0.0196979	0.223	−0.063983	0.015317
	20	0.1404333*	0.0196979	0.000	0.100783	0.180083
	22	−0.1123500*	0.0196979	0.000	−0.152000	−0.072700
	23	−0.8146000*	0.0196979	0.000	−0.854250	−0.774950
22	1	0.1404500*	0.0196979	0.000	0.100800	0.180100
	2	0.1067500*	0.0196979	0.000	0.067100	0.146400
	3	0.1666500*	0.0196979	0.000	0.127000	0.206300
	4	0.0730500*	0.0196979	0.001	0.033400	0.112700
	5	0.1741500*	0.0196979	0.000	0.134500	0.213800
	6	0.1629000*	0.0196979	0.000	0.123250	0.202550
	7	0.0543167*	0.0196979	0.008	0.014667	0.093967
	8	0.1685500*	0.0196979	0.000	0.128900	0.208200
	9	0.0899000*	0.0196979	0.000	0.050250	0.129550
	10	0.1629000*	0.0196979	0.000	0.123250	0.202550
	11	0.2528000*	0.0196979	0.000	0.213150	0.292450
	12	0.2584000*	0.0196979	0.000	0.218750	0.298050
	13	0.1067500*	0.0196979	0.000	0.067100	0.146400
	14	0.2490500*	0.0196979	0.000	0.209400	0.288700
	15	0.0842500*	0.0196979	0.000	0.044600	0.123900
	16	0.2003500*	0.0196979	0.000	0.160700	0.240000
	17	0.3127278*	0.0196979	0.000	0.273078	0.352378
	18	0.1741500*	0.0196979	0.000	0.134500	0.213800
	19	0.0880167*	0.0196979	0.000	0.048367	0.127667
	20	0.2527833*	0.0196979	0.000	0.213133	0.292433
	21	0.1123500*	0.0196979	0.000	0.072700	0.152000
	23	−0.7022500*	0.0196979	0.000	−0.741900	−0.662600
23	1	0.8427000*	0.0196979	0.000	0.803050	0.882350
	2	0.8090000*	0.0196979	0.000	0.769350	0.848650
	3	0.8689000*	0.0196979	0.000	0.829250	0.908550

	4	0.7753000*	0.0196979	0.000	0.735650	0.814950
	5	0.8764000*	0.0196979	0.000	0.836750	0.916050
	6	0.8651500*	0.0196979	0.000	0.825500	0.904800
	7	0.7565667*	0.0196979	0.000	0.716917	0.796217
	8	0.8708000*	0.0196979	0.000	0.831150	0.910450
	9	0.7921500*	0.0196979	0.000	0.752500	0.831800
	10	0.8651500*	0.0196979	0.000	0.825500	0.904800
	11	0.9550500*	0.0196979	0.000	0.915400	0.994700
	12	0.9606500*	0.0196979	0.000	0.921000	1.000300
	13	0.8090000*	0.0196979	0.000	0.769350	0.848650
	14	0.9513000*	0.0196979	0.000	0.911650	0.990950
	15	0.7865000*	0.0196979	0.000	0.746850	0.826150
	16	0.9026000*	0.0196979	0.000	0.862950	0.942250
	17	1.0149778*	0.0196979	0.000	0.975328	1.054628
	18	0.8764000*	0.0196979	0.000	0.836750	0.916050
	19	0.7902667*	0.0196979	0.000	0.750617	0.829917
	20	0.9550333*	0.0196979	0.000	0.915383	0.994683
	21	0.8146000*	0.0196979	0.000	0.774950	0.854250
	22	0.7022500*	0.0196979	0.000	0.662600	0.741900

*. The mean difference is significant at the 0.05 level.

Table S3. One-way ANOVA method was employed for statistical analysis of the inhibitions of 23 treatments on the pathogen *Villosicalva virens* P1. Nos. 1-22 were EtOAc extracts of endophytes and No. 23 was the positive control carbendazim.

Descriptives

Inhibition

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean	
					Lower Bound	Upper Bound
1	3	0.066467	0.0208725	0.0120508	0.014616	0.118317
2	3	0.285100	0.0157617	0.0091000	0.245946	0.324254
3	3	0.057400	0.0361523	0.0208725	−0.032407	0.147207
4	3	0.303267	0.0136500	0.0078808	0.269358	0.337175
5	3	0.025500	0.0208835	0.0120571	−0.026377	0.077377
6	3	0.403500	0.0439253	0.0253603	0.294384	0.512616
7	3	0.508167	0.0236714	0.0136667	0.449364	0.566970
8	3	0.023250	0.0068500	0.0039548	0.006234	0.040266
9	3	0.360500	0.0640204	0.0369622	0.201465	0.519535
10	3	0.162133	0.0687565	0.0396966	−0.008667	0.332934
11	3	0.289600	0.0273000	0.0157617	0.221783	0.357417
12	3	0.275967	0.0361334	0.0208616	0.186206	0.365727
13	3	0.310100	0.0205000	0.0118357	0.259175	0.361025
14	3	0.256850	0.1284500	0.0741606	−0.062237	0.575937
15	3	0.057350	0.0136500	0.0078808	0.023442	0.091258
16	3	0.143900	0.0208835	0.0120571	0.092023	0.195777
17	3	0.166633	0.0236714	0.0136667	0.107830	0.225436
18	3	0.248633	0.0492435	0.0284308	0.126306	0.370961
19	3	0.133850	0.0054500	0.0031466	0.120311	0.147389
20	3	0.112033	0.0626285	0.0361586	−0.043545	0.267611
21	3	0.235000	0.0273000	0.0157617	0.167183	0.302817
22	3	0.098367	0.0546500	0.0315522	−0.037391	0.234125
23	3	1.000000	0.0000000	0.0000000	1.000000	1.000000
Total	69	0.240155	0.2093623	0.0252043	0.189861	0.290449

Descriptives

Inhibition

	Minimum	Maximum
1	0.0437	0.0847

2	0.2760	0.3033
3	0.0301	0.0984
4	0.2896	0.3169
5	0.0027	0.0437
6	0.3716	0.4536
7	0.4945	0.5355
8	0.0164	0.0301
9	0.3169	0.4340
10	0.0984	0.2350
11	0.2623	0.3169
12	0.2350	0.3033
13	0.2896	0.3306
14	0.1284	0.3853
15	0.0437	0.0710
16	0.1257	0.1667
17	0.1393	0.1803
18	0.1940	0.2896
19	0.1284	0.1393
20	0.0437	0.1667
21	0.2077	0.2623
22	0.0437	0.1530
23	1.0000	1.0000
Total	0.0027	1.0000

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
Inhibition	Based on Mean	2.322	22	46	0.008
	Based on Median	1.207	22	46	0.288
	Based on Median and with adjusted df	1.207	22	15.107	0.359
	Based on trimmed mean	2.249	22	46	0.010

ANOVA

Inhibition

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	2.892	22	0.131	68.348	0.000
Within Groups	0.088	46	0.002		
Total	2.981	68			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: Inhibition

LSD

(I) Strains	(J) Strains	Mean Difference (I–J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
1	2	−0.2186333*	0.0358089	0.000	−0.290713	−0.146554
	3	0.0090667	0.0358089	0.801	−0.063013	0.081146
	4	−0.2368000*	0.0358089	0.000	−0.308880	−0.164720
	5	0.0409667	0.0358089	0.259	−0.031113	0.113046
	6	−0.3370333*	0.0358089	0.000	−0.409113	−0.264954
	7	−0.4417000*	0.0358089	0.000	−0.513780	−0.369620
	8	0.0432167	0.0358089	0.234	−0.028863	0.115296
	9	−0.2940333*	0.0358089	0.000	−0.366113	−0.221954
	10	−0.0956667*	0.0358089	0.010	−0.167746	−0.023587
	11	−0.2231333*	0.0358089	0.000	−0.295213	−0.151054
	12	−0.2095000*	0.0358089	0.000	−0.281580	−0.137420
	13	−0.2436333*	0.0358089	0.000	−0.315713	−0.171554
	14	−0.1903833*	0.0358089	0.000	−0.262463	−0.118304
	15	0.0091167	0.0358089	0.800	−0.062963	0.081196
	16	−0.0774333*	0.0358089	0.036	−0.149513	−0.005354
	17	−0.1001667*	0.0358089	0.008	−0.172246	−0.028087
	18	−0.1821667*	0.0358089	0.000	−0.254246	−0.110087
	19	−0.0673833	0.0358089	0.066	−0.139463	0.004696
	20	−0.0455667	0.0358089	0.210	−0.117646	0.026513
	21	−0.1685333*	0.0358089	0.000	−0.240613	−0.096454
	22	−0.0319000	0.0358089	0.378	−0.103980	0.040180
	23	−0.9335333*	0.0358089	0.000	−1.005613	−0.861454
2	1	0.2186333*	0.0358089	0.000	0.146554	0.290713
	3	0.2277000*	0.0358089	0.000	0.155620	0.299780
	4	−0.0181667	0.0358089	0.614	−0.090246	0.053913
	5	0.2596000*	0.0358089	0.000	0.187520	0.331680
	6	−0.1184000*	0.0358089	0.002	−0.190480	−0.046320
	7	−0.2230667*	0.0358089	0.000	−0.295146	−0.150987
	8	0.2618500*	0.0358089	0.000	0.189770	0.333930
	9	−0.0754000*	0.0358089	0.041	−0.147480	−0.003320
	10	0.1229667*	0.0358089	0.001	0.050887	0.195046
	11	−0.0045000	0.0358089	0.901	−0.076580	0.067580

	12	0.0091333	0.0358089	0.800	−0.062946	0.081213
	13	−0.0250000	0.0358089	0.489	−0.097080	0.047080
	14	0.0282500	0.0358089	0.434	−0.043830	0.100330
	15	0.2277500*	0.0358089	0.000	0.155670	0.299830
	16	0.1412000*	0.0358089	0.000	0.069120	0.213280
	17	0.1184667*	0.0358089	0.002	0.046387	0.190546
	18	0.0364667	0.0358089	0.314	−0.035613	0.108546
	19	0.1512500*	0.0358089	0.000	0.079170	0.223330
	20	0.1730667*	0.0358089	0.000	0.100987	0.245146
	21	0.0501000	0.0358089	0.168	−0.021980	0.122180
	22	0.1867333*	0.0358089	0.000	0.114654	0.258813
	23	−0.7149000*	0.0358089	0.000	−0.786980	−0.642820
3	1	−0.0090667	0.0358089	0.801	−0.081146	0.063013
	2	−0.2277000*	0.0358089	0.000	−0.299780	−0.155620
	4	−0.2458667*	0.0358089	0.000	−0.317946	−0.173787
	5	0.0319000	0.0358089	0.378	−0.040180	0.103980
	6	−0.3461000*	0.0358089	0.000	−0.418180	−0.274020
	7	−0.4507667*	0.0358089	0.000	−0.522846	−0.378687
	8	0.0341500	0.0358089	0.345	−0.037930	0.106230
	9	−0.3031000*	0.0358089	0.000	−0.375180	−0.231020
	10	−0.1047333*	0.0358089	0.005	−0.176813	−0.032654
	11	−0.2322000*	0.0358089	0.000	−0.304280	−0.160120
	12	−0.2185667*	0.0358089	0.000	−0.290646	−0.146487
	13	−0.2527000*	0.0358089	0.000	−0.324780	−0.180620
	14	−0.1994500*	0.0358089	0.000	−0.271530	−0.127370
	15	0.0000500	0.0358089	0.999	−0.072030	0.072130
	16	−0.0865000*	0.0358089	0.020	−0.158580	−0.014420
	17	−0.1092333*	0.0358089	0.004	−0.181313	−0.037154
	18	−0.1912333*	0.0358089	0.000	−0.263313	−0.119154
	19	−0.0764500*	0.0358089	0.038	−0.148530	−0.004370
	20	−0.0546333	0.0358089	0.134	−0.126713	0.017446
	21	−0.1776000*	0.0358089	0.000	−0.249680	−0.105520
	22	−0.0409667	0.0358089	0.259	−0.113046	0.031113
	23	−0.9426000*	0.0358089	0.000	−1.014680	−0.870520
4	1	0.2368000*	0.0358089	0.000	0.164720	0.308880
	2	0.0181667	0.0358089	0.614	−0.053913	0.090246
	3	0.2458667*	0.0358089	0.000	0.173787	0.317946
	5	0.2777667*	0.0358089	0.000	0.205687	0.349846
	6	−0.1002333*	0.0358089	0.007	−0.172313	−0.028154
	7	−0.2049000*	0.0358089	0.000	−0.276980	−0.132820
	8	0.2800167*	0.0358089	0.000	0.207937	0.352096

	9	−0.0572333	0.0358089	0.117	−0.129313	0.014846
	10	0.1411333*	0.0358089	0.000	0.069054	0.213213
	11	0.0136667	0.0358089	0.704	−0.058413	0.085746
	12	0.0273000	0.0358089	0.450	−0.044780	0.099380
	13	−0.0068333	0.0358089	0.850	−0.078913	0.065246
	14	0.0464167	0.0358089	0.201	−0.025663	0.118496
	15	0.2459167*	0.0358089	0.000	0.173837	0.317996
	16	0.1593667*	0.0358089	0.000	0.087287	0.231446
	17	0.1366333*	0.0358089	0.000	0.064554	0.208713
	18	0.0546333	0.0358089	0.134	−0.017446	0.126713
	19	0.1694167*	0.0358089	0.000	0.097337	0.241496
	20	0.1912333*	0.0358089	0.000	0.119154	0.263313
	21	0.0682667	0.0358089	0.063	−0.003813	0.140346
	22	0.2049000*	0.0358089	0.000	0.132820	0.276980
	23	−0.6967333*	0.0358089	0.000	−0.768813	−0.624654
5	1	−0.0409667	0.0358089	0.259	−0.113046	0.031113
	2	−0.2596000*	0.0358089	0.000	−0.331680	−0.187520
	3	−0.0319000	0.0358089	0.378	−0.103980	0.040180
	4	−0.2777667*	0.0358089	0.000	−0.349846	−0.205687
	6	−0.3780000*	0.0358089	0.000	−0.450080	−0.305920
	7	−0.4826667*	0.0358089	0.000	−0.554746	−0.410587
	8	0.0022500	0.0358089	0.950	−0.069830	0.074330
	9	−0.3350000*	0.0358089	0.000	−0.407080	−0.262920
	10	−0.1366333*	0.0358089	0.000	−0.208713	−0.064554
	11	−0.2641000*	0.0358089	0.000	−0.336180	−0.192020
	12	−0.2504667*	0.0358089	0.000	−0.322546	−0.178387
	13	−0.2846000*	0.0358089	0.000	−0.356680	−0.212520
	14	−0.2313500*	0.0358089	0.000	−0.303430	−0.159270
	15	−0.0318500	0.0358089	0.378	−0.103930	0.040230
	16	−0.1184000*	0.0358089	0.002	−0.190480	−0.046320
	17	−0.1411333*	0.0358089	0.000	−0.213213	−0.069054
	18	−0.2231333*	0.0358089	0.000	−0.295213	−0.151054
	19	−0.1083500*	0.0358089	0.004	−0.180430	−0.036270
	20	−0.0865333*	0.0358089	0.020	−0.158613	−0.014454
	21	−0.2095000*	0.0358089	0.000	−0.281580	−0.137420
	22	−0.0728667*	0.0358089	0.048	−0.144946	−0.000787
	23	−0.9745000*	0.0358089	0.000	−1.046580	−0.902420
6	1	0.3370333*	0.0358089	0.000	0.264954	0.409113
	2	0.1184000*	0.0358089	0.002	0.046320	0.190480
	3	0.3461000*	0.0358089	0.000	0.274020	0.418180
	4	0.1002333*	0.0358089	0.007	0.028154	0.172313

	5	0.3780000*	0.0358089	0.000	0.305920	0.450080
	7	−0.1046667*	0.0358089	0.005	−0.176746	−0.032587
	8	0.3802500*	0.0358089	0.000	0.308170	0.452330
	9	0.0430000	0.0358089	0.236	−0.029080	0.115080
	10	0.2413667*	0.0358089	0.000	0.169287	0.313446
	11	0.1139000*	0.0358089	0.003	0.041820	0.185980
	12	0.1275333*	0.0358089	0.001	0.055454	0.199613
	13	0.0934000*	0.0358089	0.012	0.021320	0.165480
	14	0.1466500*	0.0358089	0.000	0.074570	0.218730
	15	0.3461500*	0.0358089	0.000	0.274070	0.418230
	16	0.2596000*	0.0358089	0.000	0.187520	0.331680
	17	0.2368667*	0.0358089	0.000	0.164787	0.308946
	18	0.1548667*	0.0358089	0.000	0.082787	0.226946
	19	0.2696500*	0.0358089	0.000	0.197570	0.341730
	20	0.2914667*	0.0358089	0.000	0.219387	0.363546
	21	0.1685000*	0.0358089	0.000	0.096420	0.240580
	22	0.3051333*	0.0358089	0.000	0.233054	0.377213
	23	−0.5965000*	0.0358089	0.000	−0.668580	−0.524420
7	1	0.4417000*	0.0358089	0.000	0.369620	0.513780
	2	0.2230667*	0.0358089	0.000	0.150987	0.295146
	3	0.4507667*	0.0358089	0.000	0.378687	0.522846
	4	0.2049000*	0.0358089	0.000	0.132820	0.276980
	5	0.4826667*	0.0358089	0.000	0.410587	0.554746
	6	0.1046667*	0.0358089	0.005	0.032587	0.176746
	8	0.4849167*	0.0358089	0.000	0.412837	0.556996
	9	0.1476667*	0.0358089	0.000	0.075587	0.219746
	10	0.3460333*	0.0358089	0.000	0.273954	0.418113
	11	0.2185667*	0.0358089	0.000	0.146487	0.290646
	12	0.2322000*	0.0358089	0.000	0.160120	0.304280
	13	0.1980667*	0.0358089	0.000	0.125987	0.270146
	14	0.2513167*	0.0358089	0.000	0.179237	0.323396
	15	0.4508167*	0.0358089	0.000	0.378737	0.522896
	16	0.3642667*	0.0358089	0.000	0.292187	0.436346
	17	0.3415333*	0.0358089	0.000	0.269454	0.413613
	18	0.2595333*	0.0358089	0.000	0.187454	0.331613
	19	0.3743167*	0.0358089	0.000	0.302237	0.446396
	20	0.3961333*	0.0358089	0.000	0.324054	0.468213
	21	0.2731667*	0.0358089	0.000	0.201087	0.345246
	22	0.4098000*	0.0358089	0.000	0.337720	0.481880
	23	−0.4918333*	0.0358089	0.000	−0.563913	−0.419754
8	1	−0.0432167	0.0358089	0.234	−0.115296	0.028863

	2	−0.2618500*	0.0358089	0.000	−0.333930	−0.189770
	3	−0.0341500	0.0358089	0.345	−0.106230	0.037930
	4	−0.2800167*	0.0358089	0.000	−0.352096	−0.207937
	5	−0.0022500	0.0358089	0.950	−0.074330	0.069830
	6	−0.3802500*	0.0358089	0.000	−0.452330	−0.308170
	7	−0.4849167*	0.0358089	0.000	−0.556996	−0.412837
	9	−0.3372500*	0.0358089	0.000	−0.409330	−0.265170
	10	−0.1388833*	0.0358089	0.000	−0.210963	−0.066804
	11	−0.2663500*	0.0358089	0.000	−0.338430	−0.194270
	12	−0.2527167*	0.0358089	0.000	−0.324796	−0.180637
	13	−0.2868500*	0.0358089	0.000	−0.358930	−0.214770
	14	−0.2336000*	0.0358089	0.000	−0.305680	−0.161520
	15	−0.0341000	0.0358089	0.346	−0.106180	0.037980
	16	−0.1206500*	0.0358089	0.002	−0.192730	−0.048570
	17	−0.1433833*	0.0358089	0.000	−0.215463	−0.071304
	18	−0.2253833*	0.0358089	0.000	−0.297463	−0.153304
	19	−0.1106000*	0.0358089	0.003	−0.182680	−0.038520
	20	−0.0887833*	0.0358089	0.017	−0.160863	−0.016704
	21	−0.2117500*	0.0358089	0.000	−0.283830	−0.139670
	22	−0.0751167*	0.0358089	0.041	−0.147196	−0.003037
	23	−0.9767500*	0.0358089	0.000	−1.048830	−0.904670
9	1	0.2940333*	0.0358089	0.000	0.221954	0.366113
	2	0.0754000*	0.0358089	0.041	0.003320	0.147480
	3	0.3031000*	0.0358089	0.000	0.231020	0.375180
	4	0.0572333	0.0358089	0.117	−0.014846	0.129313
	5	0.3350000*	0.0358089	0.000	0.262920	0.407080
	6	−0.0430000	0.0358089	0.236	−0.115080	0.029080
	7	−0.1476667*	0.0358089	0.000	−0.219746	−0.075587
	8	0.3372500*	0.0358089	0.000	0.265170	0.409330
	10	0.1983667*	0.0358089	0.000	0.126287	0.270446
	11	0.0709000	0.0358089	0.054	−0.001180	0.142980
	12	0.0845333*	0.0358089	0.023	0.012454	0.156613
	13	0.0504000	0.0358089	0.166	−0.021680	0.122480
	14	0.1036500*	0.0358089	0.006	0.031570	0.175730
	15	0.3031500*	0.0358089	0.000	0.231070	0.375230
	16	0.2166000*	0.0358089	0.000	0.144520	0.288680
	17	0.1938667*	0.0358089	0.000	0.121787	0.265946
	18	0.1118667*	0.0358089	0.003	0.039787	0.183946
	19	0.2266500*	0.0358089	0.000	0.154570	0.298730
	20	0.2484667*	0.0358089	0.000	0.176387	0.320546
	21	0.1255000*	0.0358089	0.001	0.053420	0.197580

	22	0.2621333*	0.0358089	0.000	0.190054	0.334213
	23	−0.6395000*	0.0358089	0.000	−0.711580	−0.567420
10	1	0.0956667*	0.0358089	0.010	0.023587	0.167746
	2	−0.1229667*	0.0358089	0.001	−0.195046	−0.050887
	3	0.1047333*	0.0358089	0.005	0.032654	0.176813
	4	−0.1411333*	0.0358089	0.000	−0.213213	−0.069054
	5	0.1366333*	0.0358089	0.000	0.064554	0.208713
	6	−0.2413667*	0.0358089	0.000	−0.313446	−0.169287
	7	−0.3460333*	0.0358089	0.000	−0.418113	−0.273954
	8	0.1388833*	0.0358089	0.000	0.066804	0.210963
	9	−0.1983667*	0.0358089	0.000	−0.270446	−0.126287
	11	−0.1274667*	0.0358089	0.001	−0.199546	−0.055387
	12	−0.1138333*	0.0358089	0.003	−0.185913	−0.041754
	13	−0.1479667*	0.0358089	0.000	−0.220046	−0.075887
	14	−0.0947167*	0.0358089	0.011	−0.166796	−0.022637
	15	0.1047833*	0.0358089	0.005	0.032704	0.176863
	16	0.0182333	0.0358089	0.613	−0.053846	0.090313
	17	−0.0045000	0.0358089	0.901	−0.076580	0.067580
	18	−0.0865000*	0.0358089	0.020	−0.158580	−0.014420
	19	0.0282833	0.0358089	0.434	−0.043796	0.100363
	20	0.0501000	0.0358089	0.168	−0.021980	0.122180
	21	−0.0728667*	0.0358089	0.048	−0.144946	−0.000787
	22	0.0637667	0.0358089	0.082	−0.008313	0.135846
	23	−0.8378667*	0.0358089	0.000	−0.909946	−0.765787
11	1	0.2231333*	0.0358089	0.000	0.151054	0.295213
	2	0.0045000	0.0358089	0.901	−0.067580	0.076580
	3	0.2322000*	0.0358089	0.000	0.160120	0.304280
	4	−0.0136667	0.0358089	0.704	−0.085746	0.058413
	5	0.2641000*	0.0358089	0.000	0.192020	0.336180
	6	−0.1139000*	0.0358089	0.003	−0.185980	−0.041820
	7	−0.2185667*	0.0358089	0.000	−0.290646	−0.146487
	8	0.2663500*	0.0358089	0.000	0.194270	0.338430
	9	−0.0709000	0.0358089	0.054	−0.142980	0.001180
	10	0.1274667*	0.0358089	0.001	0.055387	0.199546
	12	0.0136333	0.0358089	0.705	−0.058446	0.085713
	13	−0.0205000	0.0358089	0.570	−0.092580	0.051580
	14	0.0327500	0.0358089	0.365	−0.039330	0.104830
	15	0.2322500*	0.0358089	0.000	0.160170	0.304330
	16	0.1457000*	0.0358089	0.000	0.073620	0.217780
	17	0.1229667*	0.0358089	0.001	0.050887	0.195046
	18	0.0409667	0.0358089	0.259	−0.031113	0.113046

	19	0.1557500*	0.0358089	0.000	0.083670	0.227830
	20	0.1775667*	0.0358089	0.000	0.105487	0.249646
	21	0.0546000	0.0358089	0.134	−0.017480	0.126680
	22	0.1912333*	0.0358089	0.000	0.119154	0.263313
	23	−0.7104000*	0.0358089	0.000	−0.782480	−0.638320
12	1	0.2095000*	0.0358089	0.000	0.137420	0.281580
	2	−0.0091333	0.0358089	0.800	−0.081213	0.062946
	3	0.2185667*	0.0358089	0.000	0.146487	0.290646
	4	−0.0273000	0.0358089	0.450	−0.099380	0.044780
	5	0.2504667*	0.0358089	0.000	0.178387	0.322546
	6	−0.1275333*	0.0358089	0.001	−0.199613	−0.055454
	7	−0.2322000*	0.0358089	0.000	−0.304280	−0.160120
	8	0.2527167*	0.0358089	0.000	0.180637	0.324796
	9	−0.0845333*	0.0358089	0.023	−0.156613	−0.012454
	10	0.1138333*	0.0358089	0.003	0.041754	0.185913
	11	−0.0136333	0.0358089	0.705	−0.085713	0.058446
	13	−0.0341333	0.0358089	0.345	−0.106213	0.037946
	14	0.0191167	0.0358089	0.596	−0.052963	0.091196
	15	0.2186167*	0.0358089	0.000	0.146537	0.290696
	16	0.1320667*	0.0358089	0.001	0.059987	0.204146
	17	0.1093333*	0.0358089	0.004	0.037254	0.181413
	18	0.0273333	0.0358089	0.449	−0.044746	0.099413
	19	0.1421167*	0.0358089	0.000	0.070037	0.214196
	20	0.1639333*	0.0358089	0.000	0.091854	0.236013
	21	0.0409667	0.0358089	0.259	−0.031113	0.113046
	22	0.1776000*	0.0358089	0.000	0.105520	0.249680
	23	−0.7240333*	0.0358089	0.000	−0.796113	−0.651954
13	1	0.2436333*	0.0358089	0.000	0.171554	0.315713
	2	0.0250000	0.0358089	0.489	−0.047080	0.097080
	3	0.2527000*	0.0358089	0.000	0.180620	0.324780
	4	0.0068333	0.0358089	0.850	−0.065246	0.078913
	5	0.2846000*	0.0358089	0.000	0.212520	0.356680
	6	−0.0934000*	0.0358089	0.012	−0.165480	−0.021320
	7	−0.1980667*	0.0358089	0.000	−0.270146	−0.125987
	8	0.2868500*	0.0358089	0.000	0.214770	0.358930
	9	−0.0504000	0.0358089	0.166	−0.122480	0.021680
	10	0.1479667*	0.0358089	0.000	0.075887	0.220046
	11	0.0205000	0.0358089	0.570	−0.051580	0.092580
	12	0.0341333	0.0358089	0.345	−0.037946	0.106213
	14	0.0532500	0.0358089	0.144	−0.018830	0.125330
	15	0.2527500*	0.0358089	0.000	0.180670	0.324830

	16	0.1662000*	0.0358089	0.000	0.094120	0.238280
	17	0.1434667*	0.0358089	0.000	0.071387	0.215546
	18	0.0614667	0.0358089	0.093	−0.010613	0.133546
	19	0.1762500*	0.0358089	0.000	0.104170	0.248330
	20	0.1980667*	0.0358089	0.000	0.125987	0.270146
	21	0.0751000*	0.0358089	0.041	0.003020	0.147180
	22	0.2117333*	0.0358089	0.000	0.139654	0.283813
	23	−0.6899000*	0.0358089	0.000	−0.761980	−0.617820
14	1	0.1903833*	0.0358089	0.000	0.118304	0.262463
	2	−0.0282500	0.0358089	0.434	−0.100330	0.043830
	3	0.1994500*	0.0358089	0.000	0.127370	0.271530
	4	−0.0464167	0.0358089	0.201	−0.118496	0.025663
	5	0.2313500*	0.0358089	0.000	0.159270	0.303430
	6	−0.1466500*	0.0358089	0.000	−0.218730	−0.074570
	7	−0.2513167*	0.0358089	0.000	−0.323396	−0.179237
	8	0.2336000*	0.0358089	0.000	0.161520	0.305680
	9	−0.1036500*	0.0358089	0.006	−0.175730	−0.031570
	10	0.0947167*	0.0358089	0.011	0.022637	0.166796
	11	−0.0327500	0.0358089	0.365	−0.104830	0.039330
	12	−0.0191167	0.0358089	0.596	−0.091196	0.052963
	13	−0.0532500	0.0358089	0.144	−0.125330	0.018830
	15	0.1995000*	0.0358089	0.000	0.127420	0.271580
	16	0.1129500*	0.0358089	0.003	0.040870	0.185030
	17	0.0902167*	0.0358089	0.015	0.018137	0.162296
	18	0.0082167	0.0358089	0.820	−0.063863	0.080296
	19	0.1230000*	0.0358089	0.001	0.050920	0.195080
	20	0.1448167*	0.0358089	0.000	0.072737	0.216896
	21	0.0218500	0.0358089	0.545	−0.050230	0.093930
	22	0.1584833*	0.0358089	0.000	0.086404	0.230563
	23	−0.7431500*	0.0358089	0.000	−0.815230	−0.671070
15	1	−0.0091167	0.0358089	0.800	−0.081196	0.062963
	2	−0.2277500*	0.0358089	0.000	−0.299830	−0.155670
	3	−0.0000500	0.0358089	0.999	−0.072130	0.072030
	4	−0.2459167*	0.0358089	0.000	−0.317996	−0.173837
	5	0.0318500	0.0358089	0.378	−0.040230	0.103930
	6	−0.3461500*	0.0358089	0.000	−0.418230	−0.274070
	7	−0.4508167*	0.0358089	0.000	−0.522896	−0.378737
	8	0.0341000	0.0358089	0.346	−0.037980	0.106180
	9	−0.3031500*	0.0358089	0.000	−0.375230	−0.231070
	10	−0.1047833*	0.0358089	0.005	−0.176863	−0.032704
	11	−0.2322500*	0.0358089	0.000	−0.304330	−0.160170

	12	−0.2186167*	0.0358089	0.000	−0.290696	−0.146537
	13	−0.2527500*	0.0358089	0.000	−0.324830	−0.180670
	14	−0.1995000*	0.0358089	0.000	−0.271580	−0.127420
	16	−0.0865500*	0.0358089	0.020	−0.158630	−0.014470
	17	−0.1092833*	0.0358089	0.004	−0.181363	−0.037204
	18	−0.1912833*	0.0358089	0.000	−0.263363	−0.119204
	19	−0.0765000*	0.0358089	0.038	−0.148580	−0.004420
	20	−0.0546833	0.0358089	0.134	−0.126763	0.017396
	21	−0.1776500*	0.0358089	0.000	−0.249730	−0.105570
	22	−0.0410167	0.0358089	0.258	−0.113096	0.031063
	23	−0.9426500*	0.0358089	0.000	−1.014730	−0.870570
16	1	0.0774333*	0.0358089	0.036	0.005354	0.149513
	2	−0.1412000*	0.0358089	0.000	−0.213280	−0.069120
	3	0.0865000*	0.0358089	0.020	0.014420	0.158580
	4	−0.1593667*	0.0358089	0.000	−0.231446	−0.087287
	5	0.1184000*	0.0358089	0.002	0.046320	0.190480
	6	−0.2596000*	0.0358089	0.000	−0.331680	−0.187520
	7	−0.3642667*	0.0358089	0.000	−0.436346	−0.292187
	8	0.1206500*	0.0358089	0.002	0.048570	0.192730
	9	−0.2166000*	0.0358089	0.000	−0.288680	−0.144520
	10	−0.0182333	0.0358089	0.613	−0.090313	0.053846
	11	−0.1457000*	0.0358089	0.000	−0.217780	−0.073620
	12	−0.1320667*	0.0358089	0.001	−0.204146	−0.059987
	13	−0.1662000*	0.0358089	0.000	−0.238280	−0.094120
	14	−0.1129500*	0.0358089	0.003	−0.185030	−0.040870
	15	0.0865500*	0.0358089	0.020	0.014470	0.158630
	17	−0.0227333	0.0358089	0.529	−0.094813	0.049346
	18	−0.1047333*	0.0358089	0.005	−0.176813	−0.032654
	19	0.0100500	0.0358089	0.780	−0.062030	0.082130
	20	0.0318667	0.0358089	0.378	−0.040213	0.103946
	21	−0.0911000*	0.0358089	0.014	−0.163180	−0.019020
	22	0.0455333	0.0358089	0.210	−0.026546	0.117613
	23	−0.8561000*	0.0358089	0.000	−0.928180	−0.784020
17	1	0.1001667*	0.0358089	0.008	0.028087	0.172246
	2	−0.1184667*	0.0358089	0.002	−0.190546	−0.046387
	3	0.1092333*	0.0358089	0.004	0.037154	0.181313
	4	−0.1366333*	0.0358089	0.000	−0.208713	−0.064554
	5	0.1411333*	0.0358089	0.000	0.069054	0.213213
	6	−0.2368667*	0.0358089	0.000	−0.308946	−0.164787
	7	−0.3415333*	0.0358089	0.000	−0.413613	−0.269454
	8	0.1433833*	0.0358089	0.000	0.071304	0.215463

	9	−0.1938667*	0.0358089	0.000	−0.265946	−0.121787
	10	0.0045000	0.0358089	0.901	−0.067580	0.076580
	11	−0.1229667*	0.0358089	0.001	−0.195046	−0.050887
	12	−0.1093333*	0.0358089	0.004	−0.181413	−0.037254
	13	−0.1434667*	0.0358089	0.000	−0.215546	−0.071387
	14	−0.0902167*	0.0358089	0.015	−0.162296	−0.018137
	15	0.1092833*	0.0358089	0.004	0.037204	0.181363
	16	0.0227333	0.0358089	0.529	−0.049346	0.094813
	18	−0.0820000*	0.0358089	0.027	−0.154080	−0.009920
	19	0.0327833	0.0358089	0.365	−0.039296	0.104863
	20	0.0546000	0.0358089	0.134	−0.017480	0.126680
	21	−0.0683667	0.0358089	0.062	−0.140446	0.003713
	22	0.0682667	0.0358089	0.063	−0.003813	0.140346
	23	−0.8333667*	0.0358089	0.000	−0.905446	−0.761287
18	1	0.1821667*	0.0358089	0.000	0.110087	0.254246
	2	−0.0364667	0.0358089	0.314	−0.108546	0.035613
	3	0.1912333*	0.0358089	0.000	0.119154	0.263313
	4	−0.0546333	0.0358089	0.134	−0.126713	0.017446
	5	0.2231333*	0.0358089	0.000	0.151054	0.295213
	6	−0.1548667*	0.0358089	0.000	−0.226946	−0.082787
	7	−0.2595333*	0.0358089	0.000	−0.331613	−0.187454
	8	0.2253833*	0.0358089	0.000	0.153304	0.297463
	9	−0.1118667*	0.0358089	0.003	−0.183946	−0.039787
	10	0.0865000*	0.0358089	0.020	0.014420	0.158580
	11	−0.0409667	0.0358089	0.259	−0.113046	0.031113
	12	−0.0273333	0.0358089	0.449	−0.099413	0.044746
	13	−0.0614667	0.0358089	0.093	−0.133546	0.010613
	14	−0.0082167	0.0358089	0.820	−0.080296	0.063863
	15	0.1912833*	0.0358089	0.000	0.119204	0.263363
	16	0.1047333*	0.0358089	0.005	0.032654	0.176813
	17	0.0820000*	0.0358089	0.027	0.009920	0.154080
	19	0.1147833*	0.0358089	0.002	0.042704	0.186863
	20	0.1366000*	0.0358089	0.000	0.064520	0.208680
	21	0.0136333	0.0358089	0.705	−0.058446	0.085713
	22	0.1502667*	0.0358089	0.000	0.078187	0.222346
	23	−0.7513667*	0.0358089	0.000	−0.823446	−0.679287
19	1	0.0673833	0.0358089	0.066	−0.004696	0.139463
	2	−0.1512500*	0.0358089	0.000	−0.223330	−0.079170
	3	0.0764500*	0.0358089	0.038	0.004370	0.148530
	4	−0.1694167*	0.0358089	0.000	−0.241496	−0.097337
	5	0.1083500*	0.0358089	0.004	0.036270	0.180430

	6	−0.2696500*	0.0358089	0.000	−0.341730	−0.197570
	7	−0.3743167*	0.0358089	0.000	−0.446396	−0.302237
	8	0.1106000*	0.0358089	0.003	0.038520	0.182680
	9	−0.2266500*	0.0358089	0.000	−0.298730	−0.154570
	10	−0.0282833	0.0358089	0.434	−0.100363	0.043796
	11	−0.1557500*	0.0358089	0.000	−0.227830	−0.083670
	12	−0.1421167*	0.0358089	0.000	−0.214196	−0.070037
	13	−0.1762500*	0.0358089	0.000	−0.248330	−0.104170
	14	−0.1230000*	0.0358089	0.001	−0.195080	−0.050920
	15	0.0765000*	0.0358089	0.038	0.004420	0.148580
	16	−0.0100500	0.0358089	0.780	−0.082130	0.062030
	17	−0.0327833	0.0358089	0.365	−0.104863	0.039296
	18	−0.1147833*	0.0358089	0.002	−0.186863	−0.042704
	20	0.0218167	0.0358089	0.545	−0.050263	0.093896
	21	−0.1011500*	0.0358089	0.007	−0.173230	−0.029070
	22	0.0354833	0.0358089	0.327	−0.036596	0.107563
	23	−0.8661500*	0.0358089	0.000	−0.938230	−0.794070
20	1	0.0455667	0.0358089	0.210	−0.026513	0.117646
	2	−0.1730667*	0.0358089	0.000	−0.245146	−0.100987
	3	0.0546333	0.0358089	0.134	−0.017446	0.126713
	4	−0.1912333*	0.0358089	0.000	−0.263313	−0.119154
	5	0.0865333*	0.0358089	0.020	0.014454	0.158613
	6	−0.2914667*	0.0358089	0.000	−0.363546	−0.219387
	7	−0.3961333*	0.0358089	0.000	−0.468213	−0.324054
	8	0.0887833*	0.0358089	0.017	0.016704	0.160863
	9	−0.2484667*	0.0358089	0.000	−0.320546	−0.176387
	10	−0.0501000	0.0358089	0.168	−0.122180	0.021980
	11	−0.1775667*	0.0358089	0.000	−0.249646	−0.105487
	12	−0.1639333*	0.0358089	0.000	−0.236013	−0.091854
	13	−0.1980667*	0.0358089	0.000	−0.270146	−0.125987
	14	−0.1448167*	0.0358089	0.000	−0.216896	−0.072737
	15	0.0546833	0.0358089	0.134	−0.017396	0.126763
	16	−0.0318667	0.0358089	0.378	−0.103946	0.040213
	17	−0.0546000	0.0358089	0.134	−0.126680	0.017480
	18	−0.1366000*	0.0358089	0.000	−0.208680	−0.064520
	19	−0.0218167	0.0358089	0.545	−0.093896	0.050263
	21	−0.1229667*	0.0358089	0.001	−0.195046	−0.050887
	22	0.0136667	0.0358089	0.704	−0.058413	0.085746
	23	−0.8879667*	0.0358089	0.000	−0.960046	−0.815887
21	1	0.1685333*	0.0358089	0.000	0.096454	0.240613
	2	−0.0501000	0.0358089	0.168	−0.122180	0.021980

	3	0.1776000*	0.0358089	0.000	0.105520	0.249680
	4	−0.0682667	0.0358089	0.063	−0.140346	0.003813
	5	0.2095000*	0.0358089	0.000	0.137420	0.281580
	6	−0.1685000*	0.0358089	0.000	−0.240580	−0.096420
	7	−0.2731667*	0.0358089	0.000	−0.345246	−0.201087
	8	0.2117500*	0.0358089	0.000	0.139670	0.283830
	9	−0.1255000*	0.0358089	0.001	−0.197580	−0.053420
	10	0.0728667*	0.0358089	0.048	0.000787	0.144946
	11	−0.0546000	0.0358089	0.134	−0.126680	0.017480
	12	−0.0409667	0.0358089	0.259	−0.113046	0.031113
	13	−0.0751000*	0.0358089	0.041	−0.147180	−0.003020
	14	−0.0218500	0.0358089	0.545	−0.093930	0.050230
	15	0.1776500*	0.0358089	0.000	0.105570	0.249730
	16	0.0911000*	0.0358089	0.014	0.019020	0.163180
	17	0.0683667	0.0358089	0.062	−0.003713	0.140446
	18	−0.0136333	0.0358089	0.705	−0.085713	0.058446
	19	0.1011500*	0.0358089	0.007	0.029070	0.173230
	20	0.1229667*	0.0358089	0.001	0.050887	0.195046
	22	0.1366333*	0.0358089	0.000	0.064554	0.208713
	23	−0.7650000*	0.0358089	0.000	−0.837080	−0.692920
22	1	0.0319000	0.0358089	0.378	−0.040180	0.103980
	2	−0.1867333*	0.0358089	0.000	−0.258813	−0.114654
	3	0.0409667	0.0358089	0.259	−0.031113	0.113046
	4	−0.2049000*	0.0358089	0.000	−0.276980	−0.132820
	5	0.0728667*	0.0358089	0.048	0.000787	0.144946
	6	−0.3051333*	0.0358089	0.000	−0.377213	−0.233054
	7	−0.4098000*	0.0358089	0.000	−0.481880	−0.337720
	8	0.0751167*	0.0358089	0.041	0.003037	0.147196
	9	−0.2621333*	0.0358089	0.000	−0.334213	−0.190054
	10	−0.0637667	0.0358089	0.082	−0.135846	0.008313
	11	−0.1912333*	0.0358089	0.000	−0.263313	−0.119154
	12	−0.1776000*	0.0358089	0.000	−0.249680	−0.105520
	13	−0.2117333*	0.0358089	0.000	−0.283813	−0.139654
	14	−0.1584833*	0.0358089	0.000	−0.230563	−0.086404
	15	0.0410167	0.0358089	0.258	−0.031063	0.113096
	16	−0.0455333	0.0358089	0.210	−0.117613	0.026546
	17	−0.0682667	0.0358089	0.063	−0.140346	0.003813
	18	−0.1502667*	0.0358089	0.000	−0.222346	−0.078187
	19	−0.0354833	0.0358089	0.327	−0.107563	0.036596
	20	−0.0136667	0.0358089	0.704	−0.085746	0.058413
	21	−0.1366333*	0.0358089	0.000	−0.208713	−0.064554

	23	−0.9016333*	0.0358089	0.000	−0.973713	−0.829554
23	1	0.9335333*	0.0358089	0.000	0.861454	1.005613
	2	0.7149000*	0.0358089	0.000	0.642820	0.786980
	3	0.9426000*	0.0358089	0.000	0.870520	1.014680
	4	0.6967333*	0.0358089	0.000	0.624654	0.768813
	5	0.9745000*	0.0358089	0.000	0.902420	1.046580
	6	0.5965000*	0.0358089	0.000	0.524420	0.668580
	7	0.4918333*	0.0358089	0.000	0.419754	0.563913
	8	0.9767500*	0.0358089	0.000	0.904670	1.048830
	9	0.6395000*	0.0358089	0.000	0.567420	0.711580
	10	0.8378667*	0.0358089	0.000	0.765787	0.909946
	11	0.7104000*	0.0358089	0.000	0.638320	0.782480
	12	0.7240333*	0.0358089	0.000	0.651954	0.796113
	13	0.6899000*	0.0358089	0.000	0.617820	0.761980
	14	0.7431500*	0.0358089	0.000	0.671070	0.815230
	15	0.9426500*	0.0358089	0.000	0.870570	1.014730
	16	0.8561000*	0.0358089	0.000	0.784020	0.928180
	17	0.8333667*	0.0358089	0.000	0.761287	0.905446
	18	0.7513667*	0.0358089	0.000	0.679287	0.823446
	19	0.8661500*	0.0358089	0.000	0.794070	0.938230
	20	0.8879667*	0.0358089	0.000	0.815887	0.960046
	21	0.7650000*	0.0358089	0.000	0.692920	0.837080
	22	0.9016333*	0.0358089	0.000	0.829554	0.973713

*. The mean difference is significant at the 0.05 level.

Table S4. One-way ANOVA method was employed for statistical analysis of the inhibitions of 23 treatments on the pathogen *Villosicalva virens* LN-02. Nos. 1-22 were EtOAc extracts of endophytes and No. 23 was the positive control carbendazim.

Descriptives

Inhibition

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean	
					Lower Bound	Upper Bound
1	3	0.207200	0.1008188	0.0582078	−0.043248	0.457648
2	3	0.386900	0.0211000	0.0121821	0.334485	0.439315
3	3	0.138500	0.0370000	0.0213620	0.046587	0.230413
4	3	0.358700	0.0220257	0.0127165	0.303985	0.413415
5	3	0.284800	0.0799672	0.0461691	0.086151	0.483449
6	3	0.379867	0.0645598	0.0372736	0.219491	0.540242
7	3	0.711033	0.0719446	0.0415372	0.532313	0.889754
8	3	0.238933	0.0183020	0.0105667	0.193469	0.284398
9	3	0.383400	0.0400165	0.0231035	0.283994	0.482806
10	3	0.450133	0.0314503	0.0181579	0.372006	0.528260
11	3	0.714933	0.0317053	0.0183050	0.636173	0.793694
12	3	0.263567	0.0582320	0.0336202	0.118910	0.408223
13	3	0.383400	0.0794079	0.0458462	0.186140	0.580660
14	3	0.189633	0.0679774	0.0392468	0.020768	0.358498
15	3	0.217800	0.0000000	0.0000000	0.217800	0.217800
16	3	0.302300	0.0423000	0.0244219	0.197221	0.407379
17	3	0.284733	0.0742526	0.0428698	0.100280	0.469187
18	3	0.260033	0.0183020	0.0105667	0.214569	0.305498
19	3	0.186050	0.0528500	0.0305130	0.054763	0.317337
20	3	0.196633	0.0211500	0.0122110	0.144094	0.249173
21	3	0.453833	0.0161918	0.0093483	0.413611	0.494056
22	3	0.048600	0.0000000	0.0000000	0.048600	0.048600
23	3	1.000000	0.0000000	0.0000000	1.000000	1.000000
Total	69	0.349608	0.2139985	0.0257624	0.298200	0.401016

Descriptives

Inhibition

	Minimum	Maximum
1	0.1121	0.3129

2	0.3658	0.4080
3	0.1015	0.1755
4	0.3340	0.3763
5	0.2283	0.3763
6	0.3235	0.4503
7	0.6300	0.7674
8	0.2178	0.2495
9	0.3552	0.4292
10	0.4186	0.4815
11	0.6829	0.7463
12	0.2072	0.3235
13	0.3023	0.4610
14	0.1121	0.2390
15	0.2178	0.2178
16	0.2600	0.3446
17	0.2072	0.3552
18	0.2389	0.2706
19	0.1332	0.2389
20	0.1755	0.2178
21	0.4397	0.4715
22	0.0486	0.0486
23	1.0000	1.0000
Total	0.0486	1.0000

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
Inhibition	Based on Mean	2.200	22	46	0.012
	Based on Median	0.934	22	46	0.556
	Based on Median and with adjusted df	0.934	22	20.338	0.564
	Based on trimmed mean	2.105	22	46	0.017

ANOVA

Inhibition

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	2.999	22	0.136	54.439	0.000
Within Groups	0.115	46	0.003		
Total	3.114	68			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: Inhibition

LSD

(I) Strains	(J) Strains	Mean Difference (I–J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
1	2	−0.1797000*	0.0408571	0.000	−0.261941	−0.097459
	3	0.0687000	0.0408571	0.099	−0.013541	0.150941
	4	−0.1515000*	0.0408571	0.001	−0.233741	−0.069259
	5	−0.0776000	0.0408571	0.064	−0.159841	0.004641
	6	−0.1726667*	0.0408571	0.000	−0.254908	−0.090426
	7	−0.5038333*	0.0408571	0.000	−0.586074	−0.421592
	8	−0.0317333	0.0408571	0.441	−0.113974	0.050508
	9	−0.1762000*	0.0408571	0.000	−0.258441	−0.093959
	10	−0.2429333*	0.0408571	0.000	−0.325174	−0.160692
	11	−0.5077333*	0.0408571	0.000	−0.589974	−0.425492
	12	−0.0563667	0.0408571	0.174	−0.138608	0.025874
	13	−0.1762000*	0.0408571	0.000	−0.258441	−0.093959
	14	0.0175667	0.0408571	0.669	−0.064674	0.099808
	15	−0.0106000	0.0408571	0.796	−0.092841	0.071641
	16	−0.0951000*	0.0408571	0.024	−0.177341	−0.012859
	17	−0.0775333	0.0408571	0.064	−0.159774	0.004708
	18	−0.0528333	0.0408571	0.202	−0.135074	0.029408
	19	0.0211500	0.0408571	0.607	−0.061091	0.103391
	20	0.0105667	0.0408571	0.797	−0.071674	0.092808
	21	−0.2466333*	0.0408571	0.000	−0.328874	−0.164392
	22	0.1586000*	0.0408571	0.000	0.076359	0.240841
	23	−0.7928000*	0.0408571	0.000	−0.875041	−0.710559
2	1	0.1797000*	0.0408571	0.000	0.097459	0.261941
	3	0.2484000*	0.0408571	0.000	0.166159	0.330641
	4	0.0282000	0.0408571	0.494	−0.054041	0.110441
	5	0.1021000*	0.0408571	0.016	0.019859	0.184341
	6	0.0070333	0.0408571	0.864	−0.075208	0.089274
	7	−0.3241333*	0.0408571	0.000	−0.406374	−0.241892
	8	0.1479667*	0.0408571	0.001	0.065726	0.230208
	9	0.0035000	0.0408571	0.932	−0.078741	0.085741
	10	−0.0632333	0.0408571	0.129	−0.145474	0.019008

	11	−0.3280333*	0.0408571	0.000	−0.410274	−0.245792
	12	0.1233333*	0.0408571	0.004	0.041092	0.205574
	13	0.0035000	0.0408571	0.932	−0.078741	0.085741
	14	0.1972667*	0.0408571	0.000	0.115026	0.279508
	15	0.1691000*	0.0408571	0.000	0.086859	0.251341
	16	0.0846000*	0.0408571	0.044	0.002359	0.166841
	17	0.1021667*	0.0408571	0.016	0.019926	0.184408
	18	0.1268667*	0.0408571	0.003	0.044626	0.209108
	19	0.2008500*	0.0408571	0.000	0.118609	0.283091
	20	0.1902667*	0.0408571	0.000	0.108026	0.272508
	21	−0.0669333	0.0408571	0.108	−0.149174	0.015308
	22	0.3383000*	0.0408571	0.000	0.256059	0.420541
	23	−0.6131000*	0.0408571	0.000	−0.695341	−0.530859
3	1	−0.0687000	0.0408571	0.099	−0.150941	0.013541
	2	−0.2484000*	0.0408571	0.000	−0.330641	−0.166159
	4	−0.2202000*	0.0408571	0.000	−0.302441	−0.137959
	5	−0.1463000*	0.0408571	0.001	−0.228541	−0.064059
	6	−0.2413667*	0.0408571	0.000	−0.323608	−0.159126
	7	−0.5725333*	0.0408571	0.000	−0.654774	−0.490292
	8	−0.1004333*	0.0408571	0.018	−0.182674	−0.018192
	9	−0.2449000*	0.0408571	0.000	−0.327141	−0.162659
	10	−0.3116333*	0.0408571	0.000	−0.393874	−0.229392
	11	−0.5764333*	0.0408571	0.000	−0.658674	−0.494192
	12	−0.1250667*	0.0408571	0.004	−0.207308	−0.042826
	13	−0.2449000*	0.0408571	0.000	−0.327141	−0.162659
	14	−0.0511333	0.0408571	0.217	−0.133374	0.031108
	15	−0.0793000	0.0408571	0.058	−0.161541	0.002941
	16	−0.1638000*	0.0408571	0.000	−0.246041	−0.081559
	17	−0.1462333*	0.0408571	0.001	−0.228474	−0.063992
	18	−0.1215333*	0.0408571	0.005	−0.203774	−0.039292
	19	−0.0475500	0.0408571	0.251	−0.129791	0.034691
	20	−0.0581333	0.0408571	0.162	−0.140374	0.024108
	21	−0.3153333*	0.0408571	0.000	−0.397574	−0.233092
	22	0.0899000*	0.0408571	0.033	0.007659	0.172141
	23	−0.8615000*	0.0408571	0.000	−0.943741	−0.779259
4	1	0.1515000*	0.0408571	0.001	0.069259	0.233741
	2	−0.0282000	0.0408571	0.494	−0.110441	0.054041
	3	0.2202000*	0.0408571	0.000	0.137959	0.302441
	5	0.0739000	0.0408571	0.077	−0.008341	0.156141
	6	−0.0211667	0.0408571	0.607	−0.103408	0.061074
	7	−0.3523333*	0.0408571	0.000	−0.434574	−0.270092

	8	0.1197667*	0.0408571	0.005	0.037526	0.202008
	9	−0.0247000	0.0408571	0.548	−0.106941	0.057541
	10	−0.0914333*	0.0408571	0.030	−0.173674	−0.009192
	11	−0.3562333*	0.0408571	0.000	−0.438474	−0.273992
	12	0.0951333*	0.0408571	0.024	0.012892	0.177374
	13	−0.0247000	0.0408571	0.548	−0.106941	0.057541
	14	0.1690667*	0.0408571	0.000	0.086826	0.251308
	15	0.1409000*	0.0408571	0.001	0.058659	0.223141
	16	0.0564000	0.0408571	0.174	−0.025841	0.138641
	17	0.0739667	0.0408571	0.077	−0.008274	0.156208
	18	0.0986667*	0.0408571	0.020	0.016426	0.180908
	19	0.1726500*	0.0408571	0.000	0.090409	0.254891
	20	0.1620667*	0.0408571	0.000	0.079826	0.244308
	21	−0.0951333*	0.0408571	0.024	−0.177374	−0.012892
	22	0.3101000*	0.0408571	0.000	0.227859	0.392341
	23	−0.6413000*	0.0408571	0.000	−0.723541	−0.559059
5	1	0.0776000	0.0408571	0.064	−0.004641	0.159841
	2	−0.1021000*	0.0408571	0.016	−0.184341	−0.019859
	3	0.1463000*	0.0408571	0.001	0.064059	0.228541
	4	−0.0739000	0.0408571	0.077	−0.156141	0.008341
	6	−0.0950667*	0.0408571	0.024	−0.177308	−0.012826
	7	−0.4262333*	0.0408571	0.000	−0.508474	−0.343992
	8	0.0458667	0.0408571	0.267	−0.036374	0.128108
	9	−0.0986000*	0.0408571	0.020	−0.180841	−0.016359
	10	−0.1653333*	0.0408571	0.000	−0.247574	−0.083092
	11	−0.4301333*	0.0408571	0.000	−0.512374	−0.347892
	12	0.0212333	0.0408571	0.606	−0.061008	0.103474
	13	−0.0986000*	0.0408571	0.020	−0.180841	−0.016359
	14	0.0951667*	0.0408571	0.024	0.012926	0.177408
	15	0.0670000	0.0408571	0.108	−0.015241	0.149241
	16	−0.0175000	0.0408571	0.670	−0.099741	0.064741
	17	0.0000667	0.0408571	0.999	−0.082174	0.082308
	18	0.0247667	0.0408571	0.547	−0.057474	0.107008
	19	0.0987500*	0.0408571	0.020	0.016509	0.180991
	20	0.0881667*	0.0408571	0.036	0.005926	0.170408
	21	−0.1690333*	0.0408571	0.000	−0.251274	−0.086792
	22	0.2362000*	0.0408571	0.000	0.153959	0.318441
	23	−0.7152000*	0.0408571	0.000	−0.797441	−0.632959
6	1	0.1726667*	0.0408571	0.000	0.090426	0.254908
	2	−0.0070333	0.0408571	0.864	−0.089274	0.075208
	3	0.2413667*	0.0408571	0.000	0.159126	0.323608

	4	0.0211667	0.0408571	0.607	−0.061074	0.103408
	5	0.0950667*	0.0408571	0.024	0.012826	0.177308
	7	−0.3311667*	0.0408571	0.000	−0.413408	−0.248926
	8	0.1409333*	0.0408571	0.001	0.058692	0.223174
	9	−0.0035333	0.0408571	0.931	−0.085774	0.078708
	10	−0.0702667	0.0408571	0.092	−0.152508	0.011974
	11	−0.3350667*	0.0408571	0.000	−0.417308	−0.252826
	12	0.1163000*	0.0408571	0.007	0.034059	0.198541
	13	−0.0035333	0.0408571	0.931	−0.085774	0.078708
	14	0.1902333*	0.0408571	0.000	0.107992	0.272474
	15	0.1620667*	0.0408571	0.000	0.079826	0.244308
	16	0.0775667	0.0408571	0.064	−0.004674	0.159808
	17	0.0951333*	0.0408571	0.024	0.012892	0.177374
	18	0.1198333*	0.0408571	0.005	0.037592	0.202074
	19	0.1938167*	0.0408571	0.000	0.111576	0.276058
	20	0.1832333*	0.0408571	0.000	0.100992	0.265474
	21	−0.0739667	0.0408571	0.077	−0.156208	0.008274
	22	0.3312667*	0.0408571	0.000	0.249026	0.413508
	23	−0.6201333*	0.0408571	0.000	−0.702374	−0.537892
7	1	0.5038333*	0.0408571	0.000	0.421592	0.586074
	2	0.3241333*	0.0408571	0.000	0.241892	0.406374
	3	0.5725333*	0.0408571	0.000	0.490292	0.654774
	4	0.3523333*	0.0408571	0.000	0.270092	0.434574
	5	0.4262333*	0.0408571	0.000	0.343992	0.508474
	6	0.3311667*	0.0408571	0.000	0.248926	0.413408
	8	0.4721000*	0.0408571	0.000	0.389859	0.554341
	9	0.3276333*	0.0408571	0.000	0.245392	0.409874
	10	0.2609000*	0.0408571	0.000	0.178659	0.343141
	11	−0.0039000	0.0408571	0.924	−0.086141	0.078341
	12	0.4474667*	0.0408571	0.000	0.365226	0.529708
	13	0.3276333*	0.0408571	0.000	0.245392	0.409874
	14	0.5214000*	0.0408571	0.000	0.439159	0.603641
	15	0.4932333*	0.0408571	0.000	0.410992	0.575474
	16	0.4087333*	0.0408571	0.000	0.326492	0.490974
	17	0.4263000*	0.0408571	0.000	0.344059	0.508541
	18	0.4510000*	0.0408571	0.000	0.368759	0.533241
	19	0.5249833*	0.0408571	0.000	0.442742	0.607224
	20	0.5144000*	0.0408571	0.000	0.432159	0.596641
	21	0.2572000*	0.0408571	0.000	0.174959	0.339441
	22	0.6624333*	0.0408571	0.000	0.580192	0.744674
	23	−0.2889667*	0.0408571	0.000	−0.371208	−0.206726

8	1	0.0317333	0.0408571	0.441	−0.050508	0.113974
	2	−0.1479667*	0.0408571	0.001	−0.230208	−0.065726
	3	0.1004333*	0.0408571	0.018	0.018192	0.182674
	4	−0.1197667*	0.0408571	0.005	−0.202008	−0.037526
	5	−0.0458667	0.0408571	0.267	−0.128108	0.036374
	6	−0.1409333*	0.0408571	0.001	−0.223174	−0.058692
	7	−0.4721000*	0.0408571	0.000	−0.554341	−0.389859
	9	−0.1444667*	0.0408571	0.001	−0.226708	−0.062226
	10	−0.2112000*	0.0408571	0.000	−0.293441	−0.128959
	11	−0.4760000*	0.0408571	0.000	−0.558241	−0.393759
	12	−0.0246333	0.0408571	0.550	−0.106874	0.057608
	13	−0.1444667*	0.0408571	0.001	−0.226708	−0.062226
	14	0.0493000	0.0408571	0.234	−0.032941	0.131541
	15	0.0211333	0.0408571	0.607	−0.061108	0.103374
	16	−0.0633667	0.0408571	0.128	−0.145608	0.018874
	17	−0.0458000	0.0408571	0.268	−0.128041	0.036441
	18	−0.0211000	0.0408571	0.608	−0.103341	0.061141
	19	0.0528833	0.0408571	0.202	−0.029358	0.135124
	20	0.0423000	0.0408571	0.306	−0.039941	0.124541
	21	−0.2149000*	0.0408571	0.000	−0.297141	−0.132659
	22	0.1903333*	0.0408571	0.000	0.108092	0.272574
	23	−0.7610667*	0.0408571	0.000	−0.843308	−0.678826
9	1	0.1762000*	0.0408571	0.000	0.093959	0.258441
	2	−0.0035000	0.0408571	0.932	−0.085741	0.078741
	3	0.2449000*	0.0408571	0.000	0.162659	0.327141
	4	0.0247000	0.0408571	0.548	−0.057541	0.106941
	5	0.0986000*	0.0408571	0.020	0.016359	0.180841
	6	0.0035333	0.0408571	0.931	−0.078708	0.085774
	7	−0.3276333*	0.0408571	0.000	−0.409874	−0.245392
	8	0.1444667*	0.0408571	0.001	0.062226	0.226708
	10	−0.0667333	0.0408571	0.109	−0.148974	0.015508
	11	−0.3315333*	0.0408571	0.000	−0.413774	−0.249292
	12	0.1198333*	0.0408571	0.005	0.037592	0.202074
	13	0.0000000	0.0408571	1.000	−0.082241	0.082241
	14	0.1937667*	0.0408571	0.000	0.111526	0.276008
	15	0.1656000*	0.0408571	0.000	0.083359	0.247841
	16	0.0811000	0.0408571	0.053	−0.001141	0.163341
	17	0.0986667*	0.0408571	0.020	0.016426	0.180908
	18	0.1233667*	0.0408571	0.004	0.041126	0.205608
	19	0.1973500*	0.0408571	0.000	0.115109	0.279591
	20	0.1867667*	0.0408571	0.000	0.104526	0.269008

	21	−0.0704333	0.0408571	0.091	−0.152674	0.011808
	22	0.3348000*	0.0408571	0.000	0.252559	0.417041
	23	−0.6166000*	0.0408571	0.000	−0.698841	−0.534359
10	1	0.2429333*	0.0408571	0.000	0.160692	0.325174
	2	0.0632333	0.0408571	0.129	−0.019008	0.145474
	3	0.3116333*	0.0408571	0.000	0.229392	0.393874
	4	0.0914333*	0.0408571	0.030	0.009192	0.173674
	5	0.1653333*	0.0408571	0.000	0.083092	0.247574
	6	0.0702667	0.0408571	0.092	−0.011974	0.152508
	7	−0.2609000*	0.0408571	0.000	−0.343141	−0.178659
	8	0.2112000*	0.0408571	0.000	0.128959	0.293441
	9	0.0667333	0.0408571	0.109	−0.015508	0.148974
	11	−0.2648000*	0.0408571	0.000	−0.347041	−0.182559
	12	0.1865667*	0.0408571	0.000	0.104326	0.268808
	13	0.0667333	0.0408571	0.109	−0.015508	0.148974
	14	0.2605000*	0.0408571	0.000	0.178259	0.342741
	15	0.2323333*	0.0408571	0.000	0.150092	0.314574
	16	0.1478333*	0.0408571	0.001	0.065592	0.230074
	17	0.1654000*	0.0408571	0.000	0.083159	0.247641
	18	0.1901000*	0.0408571	0.000	0.107859	0.272341
	19	0.2640833*	0.0408571	0.000	0.181842	0.346324
	20	0.2535000*	0.0408571	0.000	0.171259	0.335741
	21	−0.0037000	0.0408571	0.928	−0.085941	0.078541
	22	0.4015333*	0.0408571	0.000	0.319292	0.483774
	23	−0.5498667*	0.0408571	0.000	−0.632108	−0.467626
11	1	0.5077333*	0.0408571	0.000	0.425492	0.589974
	2	0.3280333*	0.0408571	0.000	0.245792	0.410274
	3	0.5764333*	0.0408571	0.000	0.494192	0.658674
	4	0.3562333*	0.0408571	0.000	0.273992	0.438474
	5	0.4301333*	0.0408571	0.000	0.347892	0.512374
	6	0.3350667*	0.0408571	0.000	0.252826	0.417308
	7	0.0039000	0.0408571	0.924	−0.078341	0.086141
	8	0.4760000*	0.0408571	0.000	0.393759	0.558241
	9	0.3315333*	0.0408571	0.000	0.249292	0.413774
	10	0.2648000*	0.0408571	0.000	0.182559	0.347041
	12	0.4513667*	0.0408571	0.000	0.369126	0.533608
	13	0.3315333*	0.0408571	0.000	0.249292	0.413774
	14	0.5253000*	0.0408571	0.000	0.443059	0.607541
	15	0.4971333*	0.0408571	0.000	0.414892	0.579374
	16	0.4126333*	0.0408571	0.000	0.330392	0.494874
	17	0.4302000*	0.0408571	0.000	0.347959	0.512441

	18	0.4549000*	0.0408571	0.000	0.372659	0.537141
	19	0.5288833*	0.0408571	0.000	0.446642	0.611124
	20	0.5183000*	0.0408571	0.000	0.436059	0.600541
	21	0.2611000*	0.0408571	0.000	0.178859	0.343341
	22	0.6663333*	0.0408571	0.000	0.584092	0.748574
	23	−0.2850667*	0.0408571	0.000	−0.367308	−0.202826
12	1	0.0563667	0.0408571	0.174	−0.025874	0.138608
	2	−0.1233333*	0.0408571	0.004	−0.205574	−0.041092
	3	0.1250667*	0.0408571	0.004	0.042826	0.207308
	4	−0.0951333*	0.0408571	0.024	−0.177374	−0.012892
	5	−0.0212333	0.0408571	0.606	−0.103474	0.061008
	6	−0.1163000*	0.0408571	0.007	−0.198541	−0.034059
	7	−0.4474667*	0.0408571	0.000	−0.529708	−0.365226
	8	0.0246333	0.0408571	0.550	−0.057608	0.106874
	9	−0.1198333*	0.0408571	0.005	−0.202074	−0.037592
	10	−0.1865667*	0.0408571	0.000	−0.268808	−0.104326
	11	−0.4513667*	0.0408571	0.000	−0.533608	−0.369126
	13	−0.1198333*	0.0408571	0.005	−0.202074	−0.037592
	14	0.0739333	0.0408571	0.077	−0.008308	0.156174
	15	0.0457667	0.0408571	0.268	−0.036474	0.128008
	16	−0.0387333	0.0408571	0.348	−0.120974	0.043508
	17	−0.0211667	0.0408571	0.607	−0.103408	0.061074
	18	0.0035333	0.0408571	0.931	−0.078708	0.085774
	19	0.0775167	0.0408571	0.064	−0.004724	0.159758
	20	0.0669333	0.0408571	0.108	−0.015308	0.149174
	21	−0.1902667*	0.0408571	0.000	−0.272508	−0.108026
	22	0.2149667*	0.0408571	0.000	0.132726	0.297208
	23	−0.7364333*	0.0408571	0.000	−0.818674	−0.654192
13	1	0.1762000*	0.0408571	0.000	0.093959	0.258441
	2	−0.0035000	0.0408571	0.932	−0.085741	0.078741
	3	0.2449000*	0.0408571	0.000	0.162659	0.327141
	4	0.0247000	0.0408571	0.548	−0.057541	0.106941
	5	0.0986000*	0.0408571	0.020	0.016359	0.180841
	6	0.0035333	0.0408571	0.931	−0.078708	0.085774
	7	−0.3276333*	0.0408571	0.000	−0.409874	−0.245392
	8	0.1444667*	0.0408571	0.001	0.062226	0.226708
	9	0.0000000	0.0408571	10.000	−0.082241	0.082241
	10	−0.0667333	0.0408571	0.109	−0.148974	0.015508
	11	−0.3315333*	0.0408571	0.000	−0.413774	−0.249292
	12	0.1198333*	0.0408571	0.005	0.037592	0.202074
	14	0.1937667*	0.0408571	0.000	0.111526	0.276008

	15	0.1656000*	0.0408571	0.000	0.083359	0.247841
	16	0.0811000	0.0408571	0.053	−0.001141	0.163341
	17	0.0986667*	0.0408571	0.020	0.016426	0.180908
	18	0.1233667*	0.0408571	0.004	0.041126	0.205608
	19	0.1973500*	0.0408571	0.000	0.115109	0.279591
	20	0.1867667*	0.0408571	0.000	0.104526	0.269008
	21	−0.0704333	0.0408571	0.091	−0.152674	0.011808
	22	0.3348000*	0.0408571	0.000	0.252559	0.417041
	23	−0.6166000*	0.0408571	0.000	−0.698841	−0.534359
14	1	−0.0175667	0.0408571	0.669	−0.099808	0.064674
	2	−0.1972667*	0.0408571	0.000	−0.279508	−0.115026
	3	0.0511333	0.0408571	0.217	−0.031108	0.133374
	4	−0.1690667*	0.0408571	0.000	−0.251308	−0.086826
	5	−0.0951667*	0.0408571	0.024	−0.177408	−0.012926
	6	−0.1902333*	0.0408571	0.000	−0.272474	−0.107992
	7	−0.5214000*	0.0408571	0.000	−0.603641	−0.439159
	8	−0.0493000	0.0408571	0.234	−0.131541	0.032941
	9	−0.1937667*	0.0408571	0.000	−0.276008	−0.111526
	10	−0.2605000*	0.0408571	0.000	−0.342741	−0.178259
	11	−0.5253000*	0.0408571	0.000	−0.607541	−0.443059
	12	−0.0739333	0.0408571	0.077	−0.156174	0.008308
	13	−0.1937667*	0.0408571	0.000	−0.276008	−0.111526
	15	−0.0281667	0.0408571	0.494	−0.110408	0.054074
	16	−0.1126667*	0.0408571	0.008	−0.194908	−0.030426
	17	−0.0951000*	0.0408571	0.024	−0.177341	−0.012859
	18	−0.0704000	0.0408571	0.092	−0.152641	0.011841
	19	0.0035833	0.0408571	0.930	−0.078658	0.085824
	20	−0.0070000	0.0408571	0.865	−0.089241	0.075241
	21	−0.2642000*	0.0408571	0.000	−0.346441	−0.181959
	22	0.1410333*	0.0408571	0.001	0.058792	0.223274
	23	−0.8103667*	0.0408571	0.000	−0.892608	−0.728126
15	1	0.0106000	0.0408571	0.796	−0.071641	0.092841
	2	−0.1691000*	0.0408571	0.000	−0.251341	−0.086859
	3	0.0793000	0.0408571	0.058	−0.002941	0.161541
	4	−0.1409000*	0.0408571	0.001	−0.223141	−0.058659
	5	−0.0670000	0.0408571	0.108	−0.149241	0.015241
	6	−0.1620667*	0.0408571	0.000	−0.244308	−0.079826
	7	−0.4932333*	0.0408571	0.000	−0.575474	−0.410992
	8	−0.0211333	0.0408571	0.607	−0.103374	0.061108
	9	−0.1656000*	0.0408571	0.000	−0.247841	−0.083359
	10	−0.2323333*	0.0408571	0.000	−0.314574	−0.150092

	11	−0.4971333*	0.0408571	0.000	−0.579374	−0.414892
	12	−0.0457667	0.0408571	0.268	−0.128008	0.036474
	13	−0.1656000*	0.0408571	0.000	−0.247841	−0.083359
	14	0.0281667	0.0408571	0.494	−0.054074	0.110408
	16	−0.0845000*	0.0408571	0.044	−0.166741	−0.002259
	17	−0.0669333	0.0408571	0.108	−0.149174	0.015308
	18	−0.0422333	0.0408571	0.307	−0.124474	0.040008
	19	0.0317500	0.0408571	0.441	−0.050491	0.113991
	20	0.0211667	0.0408571	0.607	−0.061074	0.103408
	21	−0.2360333*	0.0408571	0.000	−0.318274	−0.153792
	22	0.1692000*	0.0408571	0.000	0.086959	0.251441
	23	−0.7822000*	0.0408571	0.000	−0.864441	−0.699959
16	1	0.0951000*	0.0408571	0.024	0.012859	0.177341
	2	−0.0846000*	0.0408571	0.044	−0.166841	−0.002359
	3	0.1638000*	0.0408571	0.000	0.081559	0.246041
	4	−0.0564000	0.0408571	0.174	−0.138641	0.025841
	5	0.0175000	0.0408571	0.670	−0.064741	0.099741
	6	−0.0775667	0.0408571	0.064	−0.159808	0.004674
	7	−0.4087333*	0.0408571	0.000	−0.490974	−0.326492
	8	0.0633667	0.0408571	0.128	−0.018874	0.145608
	9	−0.0811000	0.0408571	0.053	−0.163341	0.001141
	10	−0.1478333*	0.0408571	0.001	−0.230074	−0.065592
	11	−0.4126333*	0.0408571	0.000	−0.494874	−0.330392
	12	0.0387333	0.0408571	0.348	−0.043508	0.120974
	13	−0.0811000	0.0408571	0.053	−0.163341	0.001141
	14	0.1126667*	0.0408571	0.008	0.030426	0.194908
	15	0.0845000*	0.0408571	0.044	0.002259	0.166741
	17	0.0175667	0.0408571	0.669	−0.064674	0.099808
	18	0.0422667	0.0408571	0.306	−0.039974	0.124508
	19	0.1162500*	0.0408571	0.007	0.034009	0.198491
	20	0.1056667*	0.0408571	0.013	0.023426	0.187908
	21	−0.1515333*	0.0408571	0.001	−0.233774	−0.069292
	22	0.2537000*	0.0408571	0.000	0.171459	0.335941
	23	−0.6977000*	0.0408571	0.000	−0.779941	−0.615459
17	1	0.0775333	0.0408571	0.064	−0.004708	0.159774
	2	−0.1021667*	0.0408571	0.016	−0.184408	−0.019926
	3	0.1462333*	0.0408571	0.001	0.063992	0.228474
	4	−0.0739667	0.0408571	0.077	−0.156208	0.008274
	5	−0.0000667	0.0408571	0.999	−0.082308	0.082174
	6	−0.0951333*	0.0408571	0.024	−0.177374	−0.012892
	7	−0.4263000*	0.0408571	0.000	−0.508541	−0.344059

	8	0.0458000	0.0408571	0.268	−0.036441	0.128041
	9	−0.0986667*	0.0408571	0.020	−0.180908	−0.016426
	10	−0.1654000*	0.0408571	0.000	−0.247641	−0.083159
	11	−0.4302000*	0.0408571	0.000	−0.512441	−0.347959
	12	0.0211667	0.0408571	0.607	−0.061074	0.103408
	13	−0.0986667*	0.0408571	0.020	−0.180908	−0.016426
	14	0.0951000*	0.0408571	0.024	0.012859	0.177341
	15	0.0669333	0.0408571	0.108	−0.015308	0.149174
	16	−0.0175667	0.0408571	0.669	−0.099808	0.064674
	18	0.0247000	0.0408571	0.548	−0.057541	0.106941
	19	0.0986833*	0.0408571	0.020	0.016442	0.180924
	20	0.0881000*	0.0408571	0.036	0.005859	0.170341
	21	−0.1691000*	0.0408571	0.000	−0.251341	−0.086859
	22	0.2361333*	0.0408571	0.000	0.153892	0.318374
	23	−0.7152667*	0.0408571	0.000	−0.797508	−0.633026
18	1	0.0528333	0.0408571	0.202	−0.029408	0.135074
	2	−0.1268667*	0.0408571	0.003	−0.209108	−0.044626
	3	0.1215333*	0.0408571	0.005	0.039292	0.203774
	4	−0.0986667*	0.0408571	0.020	−0.180908	−0.016426
	5	−0.0247667	0.0408571	0.547	−0.107008	0.057474
	6	−0.1198333*	0.0408571	0.005	−0.202074	−0.037592
	7	−0.4510000*	0.0408571	0.000	−0.533241	−0.368759
	8	0.0211000	0.0408571	0.608	−0.061141	0.103341
	9	−0.1233667*	0.0408571	0.004	−0.205608	−0.041126
	10	−0.1901000*	0.0408571	0.000	−0.272341	−0.107859
	11	−0.4549000*	0.0408571	0.000	−0.537141	−0.372659
	12	−0.0035333	0.0408571	0.931	−0.085774	0.078708
	13	−0.1233667*	0.0408571	0.004	−0.205608	−0.041126
	14	0.0704000	0.0408571	0.092	−0.011841	0.152641
	15	0.0422333	0.0408571	0.307	−0.040008	0.124474
	16	−0.0422667	0.0408571	0.306	−0.124508	0.039974
	17	−0.0247000	0.0408571	0.548	−0.106941	0.057541
	19	0.0739833	0.0408571	0.077	−0.008258	0.156224
	20	0.0634000	0.0408571	0.128	−0.018841	0.145641
	21	−0.1938000*	0.0408571	0.000	−0.276041	−0.111559
	22	0.2114333*	0.0408571	0.000	0.129192	0.293674
	23	−0.7399667*	0.0408571	0.000	−0.822208	−0.657726
19	1	−0.0211500	0.0408571	0.607	−0.103391	0.061091
	2	−0.2008500*	0.0408571	0.000	−0.283091	−0.118609
	3	0.0475500	0.0408571	0.251	−0.034691	0.129791
	4	−0.1726500*	0.0408571	0.000	−0.254891	−0.090409

	5	−0.0987500*	0.0408571	0.020	−0.180991	−0.016509
	6	−0.1938167*	0.0408571	0.000	−0.276058	−0.111576
	7	−0.5249833*	0.0408571	0.000	−0.607224	−0.442742
	8	−0.0528833	0.0408571	0.202	−0.135124	0.029358
	9	−0.1973500*	0.0408571	0.000	−0.279591	−0.115109
	10	−0.2640833*	0.0408571	0.000	−0.346324	−0.181842
	11	−0.5288833*	0.0408571	0.000	−0.611124	−0.446642
	12	−0.0775167	0.0408571	0.064	−0.159758	0.004724
	13	−0.1973500*	0.0408571	0.000	−0.279591	−0.115109
	14	−0.0035833	0.0408571	0.930	−0.085824	0.078658
	15	−0.0317500	0.0408571	0.441	−0.113991	0.050491
	16	−0.1162500*	0.0408571	0.007	−0.198491	−0.034009
	17	−0.0986833*	0.0408571	0.020	−0.180924	−0.016442
	18	−0.0739833	0.0408571	0.077	−0.156224	0.008258
	20	−0.0105833	0.0408571	0.797	−0.092824	0.071658
	21	−0.2677833*	0.0408571	0.000	−0.350024	−0.185542
	22	0.1374500*	0.0408571	0.002	0.055209	0.219691
	23	−0.8139500*	0.0408571	0.000	−0.896191	−0.731709
20	1	−0.0105667	0.0408571	0.797	−0.092808	0.071674
	2	−0.1902667*	0.0408571	0.000	−0.272508	−0.108026
	3	0.0581333	0.0408571	0.162	−0.024108	0.140374
	4	−0.1620667*	0.0408571	0.000	−0.244308	−0.079826
	5	−0.0881667*	0.0408571	0.036	−0.170408	−0.005926
	6	−0.1832333*	0.0408571	0.000	−0.265474	−0.100992
	7	−0.5144000*	0.0408571	0.000	−0.596641	−0.432159
	8	−0.0423000	0.0408571	0.306	−0.124541	0.039941
	9	−0.1867667*	0.0408571	0.000	−0.269008	−0.104526
	10	−0.2535000*	0.0408571	0.000	−0.335741	−0.171259
	11	−0.5183000*	0.0408571	0.000	−0.600541	−0.436059
	12	−0.0669333	0.0408571	0.108	−0.149174	0.015308
	13	−0.1867667*	0.0408571	0.000	−0.269008	−0.104526
	14	0.0070000	0.0408571	0.865	−0.075241	0.089241
	15	−0.0211667	0.0408571	0.607	−0.103408	0.061074
	16	−0.1056667*	0.0408571	0.013	−0.187908	−0.023426
	17	−0.0881000*	0.0408571	0.036	−0.170341	−0.005859
	18	−0.0634000	0.0408571	0.128	−0.145641	0.018841
	19	0.0105833	0.0408571	0.797	−0.071658	0.092824
	21	−0.2572000*	0.0408571	0.000	−0.339441	−0.174959
	22	0.1480333*	0.0408571	0.001	0.065792	0.230274
	23	−0.8033667*	0.0408571	0.000	−0.885608	−0.721126
21	1	0.2466333*	0.0408571	0.000	0.164392	0.328874

	2	0.0669333	0.0408571	0.108	−0.015308	0.149174
	3	0.3153333*	0.0408571	0.000	0.233092	0.397574
	4	0.0951333*	0.0408571	0.024	0.012892	0.177374
	5	0.1690333*	0.0408571	0.000	0.086792	0.251274
	6	0.0739667	0.0408571	0.077	−0.008274	0.156208
	7	−0.2572000*	0.0408571	0.000	−0.339441	−0.174959
	8	0.2149000*	0.0408571	0.000	0.132659	0.297141
	9	0.0704333	0.0408571	0.091	−0.011808	0.152674
	10	0.0037000	0.0408571	0.928	−0.078541	0.085941
	11	−0.2611000*	0.0408571	0.000	−0.343341	−0.178859
	12	0.1902667*	0.0408571	0.000	0.108026	0.272508
	13	0.0704333	0.0408571	0.091	−0.011808	0.152674
	14	0.2642000*	0.0408571	0.000	0.181959	0.346441
	15	0.2360333*	0.0408571	0.000	0.153792	0.318274
	16	0.1515333*	0.0408571	0.001	0.069292	0.233774
	17	0.1691000*	0.0408571	0.000	0.086859	0.251341
	18	0.1938000*	0.0408571	0.000	0.111559	0.276041
	19	0.2677833*	0.0408571	0.000	0.185542	0.350024
	20	0.2572000*	0.0408571	0.000	0.174959	0.339441
	22	0.4052333*	0.0408571	0.000	0.322992	0.487474
	23	−0.5461667*	0.0408571	0.000	−0.628408	−0.463926
22	1	−0.1586000*	0.0408571	0.000	−0.240841	−0.076359
	2	−0.3383000*	0.0408571	0.000	−0.420541	−0.256059
	3	−0.0899000*	0.0408571	0.033	−0.172141	−0.007659
	4	−0.3101000*	0.0408571	0.000	−0.392341	−0.227859
	5	−0.2362000*	0.0408571	0.000	−0.318441	−0.153959
	6	−0.3312667*	0.0408571	0.000	−0.413508	−0.249026
	7	−0.6624333*	0.0408571	0.000	−0.744674	−0.580192
	8	−0.1903333*	0.0408571	0.000	−0.272574	−0.108092
	9	−0.3348000*	0.0408571	0.000	−0.417041	−0.252559
	10	−0.4015333*	0.0408571	0.000	−0.483774	−0.319292
	11	−0.6663333*	0.0408571	0.000	−0.748574	−0.584092
	12	−0.2149667*	0.0408571	0.000	−0.297208	−0.132726
	13	−0.3348000*	0.0408571	0.000	−0.417041	−0.252559
	14	−0.1410333*	0.0408571	0.001	−0.223274	−0.058792
	15	−0.1692000*	0.0408571	0.000	−0.251441	−0.086959
	16	−0.2537000*	0.0408571	0.000	−0.335941	−0.171459
	17	−0.2361333*	0.0408571	0.000	−0.318374	−0.153892
	18	−0.2114333*	0.0408571	0.000	−0.293674	−0.129192
	19	−0.1374500*	0.0408571	0.002	−0.219691	−0.055209
	20	−0.1480333*	0.0408571	0.001	−0.230274	−0.065792

	21	−0.4052333*	0.0408571	0.000	−0.487474	−0.322992
	23	−0.9514000*	0.0408571	0.000	−1.033641	−0.869159
23	1	0.7928000*	0.0408571	0.000	0.710559	0.875041
	2	0.6131000*	0.0408571	0.000	0.530859	0.695341
	3	0.8615000*	0.0408571	0.000	0.779259	0.943741
	4	0.6413000*	0.0408571	0.000	0.559059	0.723541
	5	0.7152000*	0.0408571	0.000	0.632959	0.797441
	6	0.6201333*	0.0408571	0.000	0.537892	0.702374
	7	0.2889667*	0.0408571	0.000	0.206726	0.371208
	8	0.7610667*	0.0408571	0.000	0.678826	0.843308
	9	0.6166000*	0.0408571	0.000	0.534359	0.698841
	10	0.5498667*	0.0408571	0.000	0.467626	0.632108
	11	0.2850667*	0.0408571	0.000	0.202826	0.367308
	12	0.7364333*	0.0408571	0.000	0.654192	0.818674
	13	0.6166000*	0.0408571	0.000	0.534359	0.698841
	14	0.8103667*	0.0408571	0.000	0.728126	0.892608
	15	0.7822000*	0.0408571	0.000	0.699959	0.864441
	16	0.6977000*	0.0408571	0.000	0.615459	0.779941
	17	0.7152667*	0.0408571	0.000	0.633026	0.797508
	18	0.7399667*	0.0408571	0.000	0.657726	0.822208
	19	0.8139500*	0.0408571	0.000	0.731709	0.896191
	20	0.8033667*	0.0408571	0.000	0.721126	0.885608
	21	0.5461667*	0.0408571	0.000	0.463926	0.628408
	22	0.9514000*	0.0408571	0.000	0.869159	1.033641

*. The mean difference is significant at the 0.05 level.