

Figure S1. Food intake of *H. cunea* larvae treated with AI (A) or TI (B). Data in the figure are presented as the mean \pm SE ($N=3$); lower case letters indicate the difference between different host plant control groups ($P < 0.05$); * indicates the significant difference between the non-inhibited and AI treatment groups or between the non-inhibited and TI treatment groups for the same plants ($P < 0.05$).

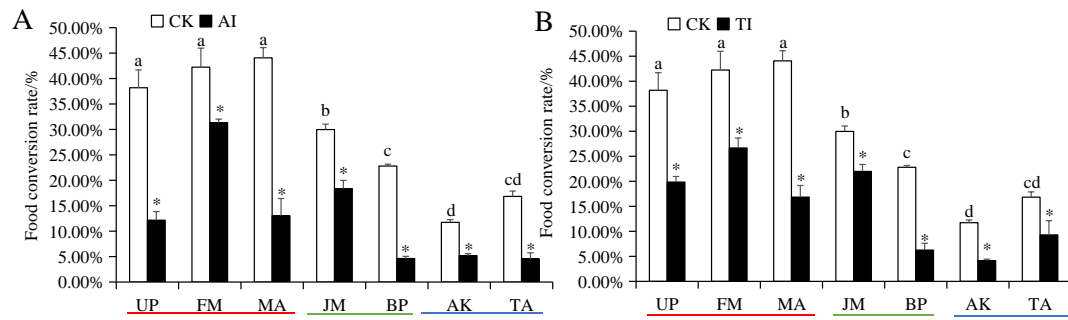


Figure S2. Food conversion rate of *H. cunea* larvae treated with AI (A) or TI (B). Data in the figure are presented as the mean \pm SE ($N=3$); lower case letters indicate the difference between different host plant control groups ($P < 0.05$); * indicates the significant difference between the non-inhibited and AI treatment groups or between the non-inhibited and TI treatment groups for the same plants ($P < 0.05$).

Table S1. Multiple comparisons.

Dependent Variable	(I) Groups	(J) Groups	Sig.
α -amylase activity	UP	FM	0.512
		MA	0.963
		JM	0.866
		BP	0
		AK	0.001
		TA	0
	FM	UP	0.512
		MA	0.541
		JM	0.624
		BP	0
		AK	0
		TA	0
	MA	UP	0.963
		FM	0.541
		JM	0.902
		BP	0
		AK	0.001
		TA	0
	JM	UP	0.866
		FM	0.624
		MA	0.902
		BP	0
		AK	0.001
		TA	0
	BP	UP	0
		FM	0
		MA	0
		JM	0
		AK	0.782
		TA	0.512
	AK	UP	0.001
		FM	0
		MA	0.001
		JM	0.001
		BP	0.782
		TA	0.356
	TA	UP	0
		FM	0
		MA	0
		JM	0
		BP	0.512
		AK	0.356

Trypsin activity	UP	FM	0.695
		MA	0.371
		JM	0.233
		BP	0
		AK	0
		TA	0
	FM	UP	0.695
		MA	0.207
		JM	0.122
		BP	0
		AK	0
		TA	0
	MA	UP	0.371
		FM	0.207
		JM	0.752
		BP	0
		AK	0
		TA	0
	JM	UP	0.233
		FM	0.122
		MA	0.752
		BP	0
		AK	0
		TA	0
	BP	UP	0
		FM	0
		MA	0
		JM	0
		AK	0.585
		TA	0.569
	AK	UP	0
		FM	0
		MA	0
		JM	0
		BP	0.585
		TA	0.981
	TA	UP	0
		FM	0
		MA	0
		JM	0
		BP	0.569
		AK	0.981
Larval weight	UP	FM	0
		MA	0

		JM	0
		BP	0
		AK	0
		TA	0
	FM	UP	0
		MA	0.982
		JM	0.982
		BP	0
		AK	0
		TA	0
	MA	UP	0
		FM	0.982
		JM	0.964
		BP	0
		AK	0
		TA	0
	JM	UP	0
		FM	0.982
		MA	0.964
		BP	0
		AK	0
		TA	0
	BP	UP	0
		FM	0
		MA	0
		JM	0
		AK	0.104
		TA	0.013
	AK	UP	0
		FM	0
		MA	0
		JM	0
		BP	0.104
		TA	0.295
	TA	UP	0
		FM	0
		MA	0
		JM	0
		BP	0.013
		AK	0.295
Food intake	UP	FM	0.122
		MA	0.009
		JM	0
		BP	0

		AK	0
		TA	0
	FM	UP	0.122
		MA	0.189
		JM	0.002
		BP	0
		AK	0
		TA	0
	MA	UP	0.009
		FM	0.189
		JM	0.026
		BP	0
		AK	0
		TA	0
	JM	UP	0
		FM	0.002
		MA	0.026
		BP	0
		AK	0
		TA	0
	BP	UP	0
		FM	0
		MA	0
		JM	0
		AK	0.46
		TA	0.387
	AK	UP	0
		FM	0
		MA	0
		JM	0
		BP	0.46
		TA	0.897
	TA	UP	0
		FM	0
		MA	0
		JM	0
		BP	0.387
		AK	0.897
Food conversion rate	UP	FM	0.208
		MA	0.076
		JM	0.018
		BP	0
		AK	0
		TA	0

	FM	UP	0.208
		MA	0.562
		JM	0.001
		BP	0
		AK	0
		TA	0
	MA	UP	0.076
		FM	0.562
		JM	0
		BP	0
		AK	0
		TA	0
	JM	UP	0.018
		FM	0.001
		MA	0
		BP	0.035
		AK	0
		TA	0.001
	BP	UP	0
		FM	0
		MA	0
		JM	0.035
		AK	0.003
		TA	0.072
	AK	UP	0
		FM	0
		MA	0
		JM	0
		BP	0.003
		TA	0.12
	TA	UP	0
		FM	0
		MA	0
		JM	0.001
		BP	0.072
		AK	0.128
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Food utilization rate	UP	FM	0.437
		MA	0.251
		JM	0.884
		BP	0.102
		AK	0
		TA	0.001
	FM	UP	0.437
		MA	0.697

		JM	0.525
		BP	0.358
		AK	0.001
		TA	0.003
	MA	UP	0.251
		FM	0.697
		JM	0.312
		BP	0.59
		AK	0.001
		TA	0.008
	JM	UP	0.884
		FM	0.525
		MA	0.312
		BP	0.132
		AK	0
		TA	0.001
	BP	UP	0.102
		FM	0.358
		MA	0.59
		JM	0.132
		AK	0.004
		TA	0.022
	AK	UP	0
		FM	0.001
		MA	0.001
		JM	0
		BP	0.004
		TA	0.382
	TA	UP	0.001
		FM	0.003
		MA	0.008
		JM	0.001
		BP	0.022
		AK	0.382
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Food consumption rate	UP	FM	0.469
		MA	0.659
		JM	0.007
		BP	0
		AK	0
		TA	0
	FM	UP	0.469
		MA	0.774
		JM	0.002
		BP	0

		AK	0
		TA	0
	MA	UP	0.659
		FM	0.774
		JM	0.003
		BP	0
		AK	0
		TA	0
	JM	UP	0.007
		FM	0.002
		MA	0.003
		BP	0
		AK	0
		TA	0
	BP	UP	0
		FM	0
		MA	0
		JM	0
		AK	0.554
		TA	0.884
	AK	UP	0
		FM	0
		MA	0
		JM	0
		BP	0.554
		TA	0.463
	TA	UP	0
		FM	0
		MA	0
		JM	0
		BP	0.884
		AK	0.463
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Total protein	UP	FM	0.241
		MA	0.553
		JM	0.079
		BP	0.002
		AK	0.004
		TA	0.001
	FM	UP	0.241
		MA	0.088
		JM	0.516
		BP	0
		AK	0
		TA	0

	MA	UP	0.553
		FM	0.088
		JM	0.025
		BP	0.007
		AK	0.014
		TA	0.003
	JM	UP	0.079
		FM	0.516
		MA	0.025
		BP	0
		AK	0
		TA	0
	BP	UP	0.002
		FM	0
		MA	0.007
		JM	0
		AK	0.732
		TA	0.732
	AK	UP	0.004
		FM	0
		MA	0.014
		JM	0
		BP	0.732
		TA	0.496
	TA	UP	0.001
		FM	0
		MA	0.003
		JM	0
		BP	0.732
		AK	0.496
Total amino acids	UP	FM	0.912
		MA	0.518
		JM	0.665
		BP	0.055
		AK	0.018
		TA	0.002
	FM	UP	0.912
		MA	0.59
		JM	0.746
		BP	0.068
		AK	0.023
		TA	0.002
	MA	UP	0.518
		FM	0.59

	JM	JM	0.828	
		BP	0.174	
		AK	0.065	
		TA	0.006	
		UP	0.665	
		FM	0.746	
		MA	0.828	
		BP	BP	0.121
			AK	0.043
			TA	0.004
			UP	0.055
			FM	0.068
	MA		0.174	
	AK	JM	0.121	
		AK	0.575	
		TA	0.096	
		UP	0.018	
		FM	0.023	
		MA	0.065	
	TA	JM	0.043	
		BP	0.575	
		TA	0.247	
		UP	0.002	
		FM	0.002	
MA		0.006		
UP	JM	0.004		
	BP	0.096		
	AK	0.247		
	FM	0.4		
	MA	0.963		
	JM	0.037		
	BP	0		
	AK	0.001		
	TA	0.003		
	FM	UP	0.4	
		MA	0.425	
		JM	0.007	
BP		0		
AK		0		
TA		0.001		
MA	UP	0.963		
	FM	0.425		
	JM	0.033		
	BP	0		

Trehalose	JM	AK	0.001
		TA	0.003
		UP	0.037
		FM	0.007
		MA	0.033
		BP	0.043
	BP	AK	0.118
		TA	0.249
		UP	0
		FM	0
		MA	0
		JM	0.043
	AK	AK	0.588
		TA	0.327
		UP	0.001
		FM	0
		MA	0.001
		JM	0.118
	TA	BP	0.588
		TA	0.651
		UP	0.003
		FM	0.001
		MA	0.003
		JM	0.249
		BP	0.327
		AK	0.651
	UP	FM	0.2
		MA	0.004
		JM	0
		BP	0
		AK	0
		TA	0
	FM	UP	0.2
		MA	0
		JM	0
		BP	0
		AK	0
		TA	0
	MA	UP	0.004
		FM	0
		JM	0.004
		BP	0
		AK	0
		TA	0

	JM	UP	0
		FM	0
		MA	0.004
		BP	0
		AK	0
		TA	0
	BP	UP	0
		FM	0
		MA	0
		JM	0
		AK	0.01
		TA	0.008
	AK	UP	0
		FM	0
		MA	0
		JM	0
		BP	0.01
		TA	0
	TA	UP	0
		FM	0
		MA	0
		JM	0
		BP	0.008
		AK	0
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Free fatty acids	UP	FM	0
		MA	0.385
		JM	0
		BP	0
		AK	0
		TA	0
	FM	UP	0
		MA	0
		JM	0.552
		BP	0
		AK	0.001
		TA	0
	MA	UP	0.385
		FM	0
		JM	0
		BP	0
		AK	0
		TA	0
	JM	UP	0
		FM	0.552

		MA	0
		BP	0.001
		AK	0.002
		TA	0.001
	BP	UP	0
		FM	0
		MA	0
		JM	0.001
		AK	0.629
		TA	0.905
	AK	UP	0
		FM	0.001
		MA	0
		JM	0.002
		BP	0.629
		TA	0.715
	TA	UP	0
		FM	0
		MA	0
		JM	0.001
		BP	0.905
		AK	0.715

Table S2. Test of homogeneity of variances.

	Levene Statistic	Df1	Df2	Sig.
α -amylase activity	1.525	6	14	0.241
Trypsin activity	1.285	6	14	0.325
Larval weight	2.212	6	14	0.104
Food intake	2.318	6	14	0.091
Food conversion rate	2.409	6	14	0.082
Food utilization rate	2.629	6	14	0.064
Food consumption rate	2.255	6	14	0.099
Total protein	1.019	6	14	0.452
Total amino acids	1.506	6	14	0.247
Glucose	2.038	6	14	0.128
Trehalose	1.173	6	14	0.374
Free fatty acids	1.646	6	14	0.207

Table S3. Independent samples test.

		Levene's Test for Equality of Variances		t-test for Equality of Means		
Groups		F	Sig.	t	df	Sig. (2-tailed)
α -amylase activity-CKvsAI-UP	Equal variances assumed	10.559	0.031	5.014	4	0.007
	Equal variances not assumed			5.014	2.099	0.034
α -amylase activity-CKvsTI-UP	Equal variances assumed	5.229	0.084	5.436	4	0.006
	Equal variances not assumed			5.436	2.536	0.019
α -amylase activity-CKvsAI-FM	Equal variances assumed	0.637	0.47	5.413	4	0.006
	Equal variances not assumed			5.413	3.622	0.007
α -amylase activity-CKvsTI-FM	Equal variances assumed	2.4	0.196	5.563	4	0.005
	Equal variances not assumed			5.563	2.941	0.012
α -amylase activity-CKvsAI-MA	Equal variances assumed	4.994	0.089	12.035	4	0
	Equal variances not assumed			12.035	2	0.007
α -amylase activity-CKvsTI-MA	Equal variances assumed	0	1	6.397	4	0.003
	Equal variances not assumed			6.397	3.975	0.003
α -amylase activity-CKvsAI-JM	Equal variances assumed	1.779	0.253	3.428	4	0.027
	Equal variances not assumed			3.428	2.444	0.057
α -amylase activity-CKvsTI-JM	Equal variances assumed	2.291	0.205	3.282	4	0.03
	Equal variances not assumed			3.282	2.253	0.069
α -amylase activity-CKvsAI-BP	Equal variances assumed	1.815	0.249	2.963	4	0.041
	Equal variances not assumed			2.963	2.53	0.073

α -amylase activity-CKvsTI-BP	Equal variances assumed	0.835	0.412	2.78	4	0.05
	Equal variances not assumed			2.78	3.067	0.067
α -amylase activity-CKvsAI-AK	Equal variances assumed	3.522	0.134	6.164	4	0.004
	Equal variances not assumed			6.164	2.108	0.022
α -amylase activity-CKvsTI-AK	Equal variances assumed	0.451	0.539	4.212	4	0.014
	Equal variances not assumed			4.212	3.421	0.019
α -amylase activity-CKvsAI-TA	Equal variances assumed	0.416	0.554	3.302	4	0.03
	Equal variances not assumed			3.302	3.739	0.033
α -amylase activity-CKvsTI-TA	Equal variances assumed	2.579	0.184	3.833	4	0.019
	Equal variances not assumed			3.833	2.696	0.038
Trypsin activity-CKvsAI-UP	Equal variances assumed	3.075	0.154	3.225	4	0.032
	Equal variances not assumed			3.225	2.621	0.058
Trypsin activity-CKvsTI-UP	Equal variances assumed	1.718	0.26	3.068	4	0.037
	Equal variances not assumed			3.068	3.033	0.054
Trypsin activity-CKvsAI-FM	Equal variances assumed	13.002	0.023	6.366	4	0.003
	Equal variances not assumed			6.366	2.016	0.023
Trypsin activity-CKvsTI-FM	Equal variances assumed	10.309	0.033	5.886	4	0.004
	Equal variances not assumed			5.886	2.098	0.025
Trypsin activity-CKvsAI-MA	Equal variances assumed	3.435	0.137	2.79	4	0.049
	Equal variances not assumed			2.79	2.208	0.097
Trypsin activity-CKvsTI-MA	Equal variances assumed	4.252	0.108	3.176	4	0.034
	Equal variances not assumed			3.176	2.082	0.082

Trypsin activity-CKvsAI-JM	Equal variances assumed	0.202	0.677	-3.518	4	0.024
	Equal variances not assumed			-3.518	3.903	0.026
Trypsin activity-CKvsTI-JM	Equal variances assumed	3.354	0.141	2.981	4	0.041
	Equal variances not assumed			2.981	2.862	0.062
Trypsin activity-CKvsAI-BP	Equal variances assumed	0.706	0.448	-3.186	4	0.033
	Equal variances not assumed			-3.186	3.627	0.038
Trypsin activity-CKvsTI-BP	Equal variances assumed	7.611	0.051	3.313	4	0.03
	Equal variances not assumed			3.313	2.181	0.071
Trypsin activity-CKvsAI-AK	Equal variances assumed	1.704	0.262	4.724	4	0.009
	Equal variances not assumed			4.724	3.295	0.015
Trypsin activity-CKvsTI-AK	Equal variances assumed	1.421	0.299	4.453	4	0.011
	Equal variances not assumed			4.453	3.401	0.016
Trypsin activity-CKvsAI-TA	Equal variances assumed	1.182	0.338	2.884	4	0.045
	Equal variances not assumed			2.884	3.443	0.054
Trypsin activity-CKvsTI-TA	Equal variances assumed	6.599	0.062	4.57	4	0.01
	Equal variances not assumed			4.57	2.314	0.034
Larval weight-CKvsAI-UP	Equal variances assumed	1.503	0.287	8.311	4	0.001
	Equal variances not assumed			8.311	3.37	0.002
Larval weight-CKvsTI-UP	Equal variances assumed	13.513	0.021	9.816	4	0.001
	Equal variances not assumed			9.816	2.026	0.01
Larval weight-CKvsAI-FM	Equal variances assumed	3.245	0.146	4.333	4	0.012
	Equal variances not assumed			4.333	2.85	0.025

Larval weight-CKvsTI-FM	Equal variances assumed	7.949	0.048	2.903	4	0.044
	Equal variances not assumed					
Larval weight-CKvsAI-MA	Equal variances assumed	0.793	0.424	3.581	4	0.023
	Equal variances not assumed					
Larval weight-CKvsTI-MA	Equal variances assumed	1.975	0.233	3.233	4	0.032
	Equal variances not assumed					
Larval weight-CKvsAI-JM	Equal variances assumed	1.907	0.239	4.211	4	0.014
	Equal variances not assumed					
Larval weight-CKvsTI-JM	Equal variances assumed	3.41	0.139	4.551	4	0.01
	Equal variances not assumed					
Larval weight-CKvsAI-BP	Equal variances assumed	1.922	0.238	11.03	4	0
	Equal variances not assumed					
Larval weight-CKvsTI-BP	Equal variances assumed	6.649	0.061	1.665	4	0.171
	Equal variances not assumed					
Larval weight-CKvsAI-AK	Equal variances assumed	6.305	0.066	2.9	4	0.044
	Equal variances not assumed					
Larval weight-CKvsTI-AK	Equal variances assumed	7.366	0.053	3.487	4	0.025
	Equal variances not assumed					
Larval weight-CKvsAI-TA	Equal variances assumed	5.249	0.084	8.668	4	0.001
	Equal variances not assumed					
Larval weight-CKvsTI-TA	Equal variances assumed	6.563	0.063	14.571	4	0
	Equal variances not assumed					

Food intake-CKvsAI-UP	Equal variances assumed	2.648	0.179	9.964	4	0.001
	Equal variances not assumed			9.964	2.528	0.004
Food intake-CKvsTI-UP	Equal variances assumed	5.218	0.084	10.982	4	0
	Equal variances not assumed			10.982	2.096	0.007
Food intake-CKvsAI-FM	Equal variances assumed	2.031	0.227	4.419	4	0.012
	Equal variances not assumed			4.419	2.405	0.034
Food intake-CKvsTI-FM	Equal variances assumed	2.423	0.195	3.526	4	0.024
	Equal variances not assumed			3.526	2.29	0.059
Food intake-CKvsAI-MA	Equal variances assumed	0.092	0.776	3.815	4	0.019
	Equal variances not assumed			3.815	3.842	0.02
Food intake-CKvsTI-MA	Equal variances assumed	5.163	0.086	5.498	4	0.005
	Equal variances not assumed			5.498	2.41	0.021
Food intake-CKvsAI-JM	Equal variances assumed	0.143	0.725	14.33	4	0
	Equal variances not assumed			14.33	3.968	0
Food intake-CKvsTI-JM	Equal variances assumed	0.893	0.398	10.036	4	0.001
	Equal variances not assumed			10.036	3.093	0.002
Food intake-CKvsAI-BP	Equal variances assumed	5.226	0.084	11.693	4	0
	Equal variances not assumed			11.693	2.495	0.003
Food intake-CKvsTI-BP	Equal variances assumed	5.186	0.085	3.219	4	0.032
	Equal variances not assumed			3.219	2.584	0.06
Food intake-CKvsAI-AK	Equal variances assumed	9.268	0.038	6.293	4	0.003
	Equal variances not assumed			6.293	2.18	0.02

Food intake-CKvsTI-AK	Equal variances assumed	5.518	0.079	5.672	4	0.005
	Equal variances not assumed			5.672	2.532	0.017
Food intake-CKvsAI-TA	Equal variances assumed	4.734	0.095	4.722	4	0.009
	Equal variances not assumed			4.722	2.127	0.037
Food intake-CKvsTI-TA	Equal variances assumed	2.027	0.228	4.628	4	0.01
	Equal variances not assumed			4.628	2.701	0.024
Food conversion rate-CKvsAI-UP	Equal variances assumed	0.815	0.418	6.676	4	0.003
	Equal variances not assumed			6.676	2.89	0.008
Food conversion rate-CKvsTI-UP	Equal variances assumed	1.711	0.261	4.981	4	0.008
	Equal variances not assumed			4.981	2.402	0.026
Food conversion rate-CKvsAI-FM	Equal variances assumed	4.487	0.102	2.873	4	0.045
	Equal variances not assumed			2.873	2.142	0.095
Food conversion rate-CKvsTI-FM	Equal variances assumed	1.132	0.347	3.68	4	0.021
	Equal variances not assumed			3.68	3.054	0.034
Food conversion rate-CKvsAI-MA	Equal variances assumed	0.837	0.412	7.823	4	0.001
	Equal variances not assumed			7.823	3.247	0.003
Food conversion rate-CKvsTI-MA	Equal variances assumed	0.003	0.959	8.834	4	0.001
	Equal variances not assumed			8.834	3.924	0.001
Food conversion rate-CKvsAI-JM	Equal variances assumed	0.58	0.489	5.984	4	0.004
	Equal variances not assumed			5.984	3.473	0.006
Food conversion rate-CKvsTI-JM	Equal variances assumed	0.462	0.534	4.549	4	0.01
	Equal variances not assumed			4.549	3.754	0.012

Food conversion rate-CKvsAI-BP	Equal variances assumed	0.159	0.711	32.406	4	0
	Equal variances not assumed			32.406	3.921	0
Food conversion rate-CKvsTI-BP	Equal variances assumed	3.482	0.135	11.76	4	0
	Equal variances not assumed			11.76	2.291	0.004
Food conversion rate-CKvsAI-AK	Equal variances assumed	0.701	0.45	9.849	4	0.001
	Equal variances not assumed			9.849	3.617	0.001
Food conversion rate-CKvsTI-AK	Equal variances assumed	2.086	0.222	12.345	4	0
	Equal variances not assumed			12.345	3.074	0.001
Food conversion rate-CKvsAI-TA	Equal variances assumed	0	0.996	7.682	4	0.002
	Equal variances not assumed			7.682	3.935	0.002
Food conversion rate-CKvsTI-TA	Equal variances assumed	3.245	0.146	2.478	4	0.068
	Equal variances not assumed			2.478	2.537	0.105
Food utilization rate-CKvsAI-UP	Equal variances assumed	0.106	0.761	6.972	4	0.002
	Equal variances not assumed			6.972	3.926	0.002
Food utilization rate-CKvsTI-UP	Equal variances assumed	0.392	0.565	3.447	4	0.026
	Equal variances not assumed			3.447	3.645	0.03
Food utilization rate-CKvsAI-FM	Equal variances assumed	2.716	0.175	2.859	4	0.046
	Equal variances not assumed			2.859	2.257	0.09
Food utilization rate-CKvsTI-FM	Equal variances assumed	3.197	0.148	4.666	4	0.01
	Equal variances not assumed			4.666	2.164	0.037
Food utilization rate-CKvsAI-MA	Equal variances assumed	0.811	0.419	13.919	4	0
	Equal variances not assumed			13.919	3.595	0

Food utilization rate-CKvsTI-MA	Equal variances assumed	0.968	0.381	6.421	4	0.003
	Equal variances not assumed			6.421	3.318	0.006
Food utilization rate-CKvsAI-JM	Equal variances assumed	1.493	0.289	6.28	4	0.003
	Equal variances not assumed			6.28	3.013	0.008
Food utilization rate-CKvsTI-JM	Equal variances assumed	0.05	0.834	3.29	4	0.03
	Equal variances not assumed			3.29	3.977	0.03
Food utilization rate-CKvsAI-BP	Equal variances assumed	6.006	0.07	4.634	4	0.01
	Equal variances not assumed			4.634	2.139	0.038
Food utilization rate-CKvsTI-BP	Equal variances assumed	1.601	0.274	3.628	4	0.022
	Equal variances not assumed			3.628	3.058	0.035
Food utilization rate-CKvsAI-AK	Equal variances assumed	0.296	0.615	9.844	4	0.001
	Equal variances not assumed			9.844	3.517	0.001
Food utilization rate-CKvsTI-AK	Equal variances assumed	0.133	0.734	10.553	4	0
	Equal variances not assumed			10.553	3.723	0.001
Food utilization rate-CKvsAI-TA	Equal variances assumed	0.839	0.412	5.275	4	0.006
	Equal variances not assumed			5.275	3.001	0.013
Food utilization rate-CKvsTI-TA	Equal variances assumed	0.339	0.592	2.985	4	0.041
	Equal variances not assumed			2.985	3.807	0.043
Food consumption rate-CKvsAI-UP	Equal variances assumed	1.247	0.327	-6.685	4	0.003
	Equal variances not assumed			-6.685	2.575	0.011
Food consumption rate-CKvsTI-UP	Equal variances assumed	5.19	0.085	-4.468	4	0.011
	Equal variances not assumed			-4.468	2.585	0.028

Food consumption rate-CKvsAI-FM	Equal variances assumed	0.07	0.804	-6.057	4	0.004
	Equal variances not assumed			-6.057	3.92	0.004
Food consumption rate-CKvsTI-FM	Equal variances assumed	4.688	0.096	-3.493	4	0.025
	Equal variances not assumed			-3.493	2.641	0.048
Food consumption rate-CKvsAI-MA	Equal variances assumed	3.897	0.12	-4.301	4	0.013
	Equal variances not assumed			-4.301	2.542	0.032
Food consumption rate-CKvsTI-MA	Equal variances assumed	2.86	0.166	-5.958	4	0.004
	Equal variances not assumed			-5.958	2.767	0.012
Food consumption rate-CKvsAI-JM	Equal variances assumed	0.241	0.649	-3.06	4	0.038
	Equal variances not assumed			-3.06	3.896	0.039
Food consumption rate-CKvsTI-JM	Equal variances assumed	0.232	0.655	-4.584	4	0.01
	Equal variances not assumed			-4.584	3.816	0.011
Food consumption rate-CKvsAI-BP	Equal variances assumed	2.821	0.168	-3.023	4	0.039
	Equal variances not assumed			-3.023	2.872	0.06
Food consumption rate-CKvsTI-BP	Equal variances assumed	0.698	0.451	-3.63	4	0.022
	Equal variances not assumed			-3.63	3.188	0.033
Food consumption rate-CKvsAI-AK	Equal variances assumed	1.217	0.332	-4.604	4	0.01
	Equal variances not assumed			-4.604	3.186	0.017
Food consumption rate-CKvsTI-AK	Equal variances assumed	0.799	0.422	-11.05	4	0
	Equal variances not assumed			-11.05	3.565	0.001
Food consumption rate-CKvsAI-TA	Equal variances assumed	3.582	0.131	-6.487	4	0.003
	Equal variances not assumed			-6.487	2.449	0.013

Food consumption rate-CKvsTI-TA	Equal variances assumed	5.166	0.085	-14.929	4	0
	Equal variances not assumed			-14.929	2.143	0.003
Total protein-CKvsAI-UP	Equal variances assumed	2.041	0.226	3.46	4	0.026
	Equal variances not assumed			3.46	2.29	0.061
Total protein-CKvsTI-UP	Equal variances assumed	0.047	0.839	2.838	4	0.047
	Equal variances not assumed			2.838	3.923	0.048
Total protein-CKvsAI-FM	Equal variances assumed	0.079	0.792	3.093	4	0.036
	Equal variances not assumed			3.093	3.931	0.037
Total protein-CKvsTI-FM	Equal variances assumed	0.168	0.703	3.541	4	0.024
	Equal variances not assumed			3.541	3.726	0.027
Total protein-CKvsAI-MA	Equal variances assumed	4.087	0.113	4.062	4	0.015
	Equal variances not assumed			4.062	2.703	0.033
Total protein-CKvsTI-MA	Equal variances assumed	4.108	0.113	2.945	4	0.042
	Equal variances not assumed			2.945	2.713	0.068
Total protein-CKvsAI-JM	Equal variances assumed	1.294	0.319	-5.963	4	0.004
	Equal variances not assumed			-5.963	2.905	0.01
Total protein-CKvsTI-JM	Equal variances assumed	1.204	0.334	-6.35	4	0.003
	Equal variances not assumed			-6.35	3.337	0.006
Total protein-CKvsAI-BP	Equal variances assumed	5.705	0.075	-2.747	4	0.052
	Equal variances not assumed			-2.747	2.31	0.095
Total protein-CKvsTI-BP	Equal variances assumed	3.039	0.156	-3.011	4	0.04
	Equal variances not assumed			-3.011	2.347	0.078

Total protein-CKvsAI-AK	Equal variances assumed	3.393	0.139	-4.252	4	0.013
	Equal variances not assumed			-4.252	2.652	0.03
Total protein-CKvsTI-AK	Equal variances assumed	2.019	0.228	-2.767	4	0.05
	Equal variances not assumed			-2.767	3.221	0.064
Total protein-CKvsAI-TA	Equal variances assumed	1.423	0.299	-1.072	4	0.344
	Equal variances not assumed			-1.072	3.29	0.356
Total protein-CKvsTI-TA	Equal variances assumed	4.724	0.095	-1.665	4	0.171
	Equal variances not assumed			-1.665	2.462	0.214
Total amino acids-CKvsAI-UP	Equal variances assumed	1.342	0.311	-6.016	4	0.004
	Equal variances not assumed			-6.016	2.563	0.014
Total amino acids-CKvsTI-UP	Equal variances assumed	8.833	0.041	-0.132	4	0.901
	Equal variances not assumed			-0.132	2.062	0.907
Total amino acids-CKvsAI-FM	Equal variances assumed	0.757	0.433	4.951	4	0.008
	Equal variances not assumed			4.951	3.347	0.012
Total amino acids-CKvsTI-FM	Equal variances assumed	0.244	0.647	3.497	4	0.025
	Equal variances not assumed			3.497	3.908	0.026
Total amino acids-CKvsAI-MA	Equal variances assumed	5.828	0.073	-3.874	4	0.018
	Equal variances not assumed			-3.874	2.082	0.057
Total amino acids-CKvsTI-MA	Equal variances assumed	0.224	0.661	-7.562	4	0.002
	Equal variances not assumed			-7.562	3.763	0.002
Total amino acids-CKvsAI-JM	Equal variances assumed	0.008	0.934	3.981	4	0.016
	Equal variances not assumed			3.981	3.974	0.017

Total amino acids-CKvsTI-JM	Equal variances assumed	11.868	0.026	5.983	4	0.004
	Equal variances not assumed			5.983	2.065	0.025
Total amino acids-CKvsAI-BP	Equal variances assumed	2.087	0.222	3.096	4	0.036
	Equal variances not assumed			3.096	3.135	0.05
Total amino acids-CKvsTI-BP	Equal variances assumed	4.977	0.09	2.769	4	0.05
	Equal variances not assumed			2.769	2.511	0.085
Total amino acids-CKvsAI-AK	Equal variances assumed	5.039	0.088	3.305	4	0.03
	Equal variances not assumed			3.305	2.469	0.06
Total amino acids-CKvsTI-AK	Equal variances assumed	0.239	0.651	3.379	4	0.028
	Equal variances not assumed			3.379	3.881	0.029
Total amino acids-CKvsAI-TA	Equal variances assumed	5.075	0.087	2.882	4	0.045
	Equal variances not assumed			2.882	2.472	0.08
Total amino acids-CKvsTI-TA	Equal variances assumed	1.406	0.301	5.149	4	0.007
	Equal variances not assumed			5.149	3.345	0.011
Glucose-CKvsAI-UP	Equal variances assumed	1.129	0.348	17.455	4	0
	Equal variances not assumed			17.455	3.139	0
Glucose-CKvsTI-UP	Equal variances assumed	0.066	0.81	10.442	4	0
	Equal variances not assumed			10.442	3.955	0.001
Glucose-CKvsAI-FM	Equal variances assumed	11.163	0.029	3.095	4	0.036
	Equal variances not assumed			3.095	2.046	0.088
Glucose-CKvsTI-FM	Equal variances assumed	0.861	0.406	3.18	4	0.034
	Equal variances not assumed			3.18	3.582	0.039

Glucose-CKvsAI-MA	Equal variances assumed	0.563	0.495	3.76	4	0.02
	Equal variances not assumed			3.76	3.539	0.025
Glucose-CKvsTI-MA	Equal variances assumed	1.179	0.339	4.852	4	0.008
	Equal variances not assumed			4.852	3.484	0.012
Glucose-CKvsAI-JM	Equal variances assumed	0.072	0.802	5.975	4	0.004
	Equal variances not assumed			5.975	3.866	0.004
Glucose-CKvsTI-JM	Equal variances assumed	0.279	0.625	4.909	4	0.008
	Equal variances not assumed			4.909	3.505	0.011
Glucose-CKvsAI-BP	Equal variances assumed	2.02	0.228	7.386	4	0.002
	Equal variances not assumed			7.386	2.825	0.006
Glucose-CKvsTI-BP	Equal variances assumed	4.707	0.096	2.917	4	0.043
	Equal variances not assumed			2.917	2.262	0.087
Glucose-CKvsAI-AK	Equal variances assumed	0.177	0.695	4.589	4	0.01
	Equal variances not assumed			4.589	3.78	0.012
Glucose-CKvsTI-AK	Equal variances assumed	1.944	0.236	2.975	4	0.041
	Equal variances not assumed			2.975	3.194	0.054
Glucose-CKvsAI-TA	Equal variances assumed	4.436	0.103	7.242	4	0.002
	Equal variances not assumed			7.242	2.601	0.009
Glucose-CKvsTI-TA	Equal variances assumed	2.878	0.165	3.197	4	0.033
	Equal variances not assumed			3.197	2.902	0.052
Trehalose-CKvsAI-UP	Equal variances assumed	1.31	0.316	19.254	4	0
	Equal variances not assumed			19.254	2.673	0.001

Trehalose-CKvsTI-UP	Equal variances assumed	0.036	0.86	16.022	4	0
	Equal variances not assumed			16.022	3.846	0
Trehalose-CKvsAI-FM	Equal variances assumed	1.857	0.245	7.701	4	0.002
	Equal variances not assumed			7.701	3.103	0.004
Trehalose-CKvsTI-FM	Equal variances assumed	0.046	0.841	10.564	4	0
	Equal variances not assumed			10.564	3.803	0.001
Trehalose-CKvsAI-MA	Equal variances assumed	2.672	0.177	11.152	4	0
	Equal variances not assumed			11.152	2.481	0.004
Trehalose-CKvsTI-MA	Equal variances assumed	0.804	0.421	6.918	4	0.002
	Equal variances not assumed			6.918	3.322	0.004
Trehalose-CKvsAI-JM	Equal variances assumed	2.348	0.2	4.715	4	0.009
	Equal variances not assumed			4.715	2.338	0.031
Trehalose-CKvsTI-JM	Equal variances assumed	5.875	0.072	4.027	4	0.016
	Equal variances not assumed			4.027	2.189	0.048
Trehalose-CKvsAI-BP	Equal variances assumed	1.011	0.372	4.335	4	0.012
	Equal variances not assumed			4.335	3.292	0.019
Trehalose-CKvsTI-BP	Equal variances assumed	4.757	0.095	2.702	4	0.054
	Equal variances not assumed			2.702	2.533	0.089
Trehalose-CKvsAI-AK	Equal variances assumed	0.258	0.638	3.885	4	0.018
	Equal variances not assumed			3.885	3.599	0.022
Trehalose-CKvsTI-AK	Equal variances assumed	3.978	0.117	7.726	4	0.002
	Equal variances not assumed			7.726	2.429	0.009

Trehalose-CKvsAI-TA	Equal variances assumed	1.257	0.325	7.205	4	0.002
	Equal variances not assumed			7.205	2.639	0.008
Trehalose-CKvsTI-TA	Equal variances assumed	0.576	0.49	6.382	4	0.003
	Equal variances not assumed			6.382	3.162	0.007
Free fatty acids -CKvsAI-UP	Equal variances assumed	2.066	0.224	-2.957	4	0.042
	Equal variances not assumed			-2.957	3.16	0.056
Free fatty acids -CKvsTI-UP	Equal variances assumed	5.711	0.075	-3.562	4	0.024
	Equal variances not assumed			-3.562	2.49	0.051
Free fatty acids -CKvsAI-FM	Equal variances assumed	4.307	0.107	-2.821	4	0.048
	Equal variances not assumed			-2.821	2.706	0.075
Free fatty acids -CKvsTI-FM	Equal variances assumed	2.786	0.17	-3.071	4	0.037
	Equal variances not assumed			-3.071	2.874	0.058
Free fatty acids -CKvsAI-MA	Equal variances assumed	0.493	0.521	-12.727	4	0
	Equal variances not assumed			-12.727	3.755	0
Free fatty acids -CKvsTI-MA	Equal variances assumed	0.393	0.565	-12.841	4	0
	Equal variances not assumed			-12.841	3.816	0
Free fatty acids -CKvsAI-JM	Equal variances assumed	1.711	0.261	-5.233	4	0.006
	Equal variances not assumed			-5.233	3.244	0.011
Free fatty acids -CKvsTI-JM	Equal variances assumed	2.231	0.21	-3.86	4	0.018
	Equal variances not assumed			-3.86	2.493	0.042
Free fatty acids -CKvsAI-BP	Equal variances assumed	1.08	0.357	13.393	4	0
	Equal variances not assumed			13.393	2.668	0.002

Free fatty acids -CKvsTI-BP	Equal variances assumed	3.347	0.141	3.62	4	0.022
	Equal variances not assumed			3.62	2.46	0.05
Free fatty acids -CKvsAI-AK	Equal variances assumed	2.334	0.201	5.218	4	0.006
	Equal variances not assumed			5.218	2.183	0.029
Free fatty acids -CKvsTI-AK	Equal variances assumed	0.34	0.591	3.349	4	0.029
	Equal variances not assumed			3.349	3.884	0.03
Free fatty acids -CKvsAI-TA	Equal variances assumed	0.975	0.379	5.022	4	0.007
	Equal variances not assumed			5.022	2.835	0.017
Free fatty acids -CKvsTI-TA	Equal variances assumed	0.541	0.503	3.235	4	0.032
	Equal variances not assumed			3.235	3.662	0.036