

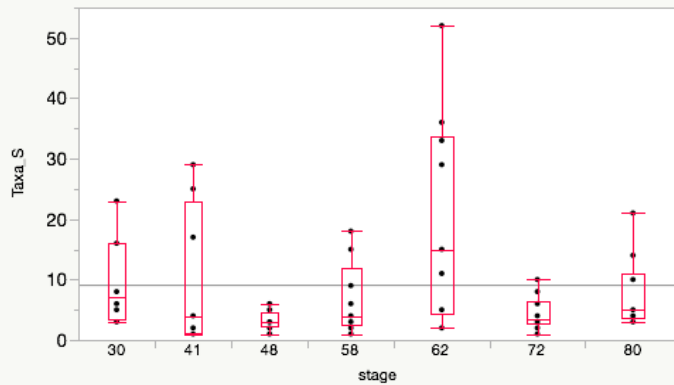
S1Results = Supplemental_Results_OTU_SCU_Distributions

The full JMP output of the nonparametric analysis of means across plant stages for diversity measures is provided below for each microbial community measurement type. Distributions for SEM SCU by stage are also provided.

ARISA:

A. Analysis of S (total species = total OTU)

Oneway Analysis of Taxa_S By stage



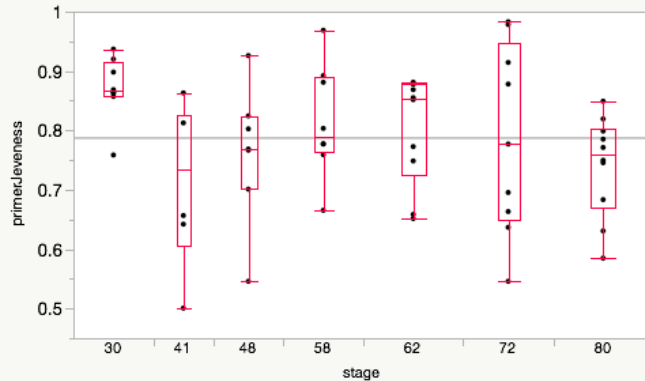
Excluded Rows 229

Nonparametric Comparisons For All Pairs Using Steel-Dwass Method

		q*	Alpha								
		2.94832	0.05								
Score Mean					Hodges-						
Level	- Level	Difference	Std Err Dif	Z	p-Value	Lehmann	Lower CL	Upper CL			
62	48	5.62500	2.511298	2.23988	0.2741	12.0000	-1.0000	49.00000			
80	48	5.17500	2.471455	2.09391	0.3562	2.0000	-2.0000	18.00000			
62	58	4.32778	2.575346	1.68046	0.6292	11.0000	-7.0000	37.00000			
80	72	3.80000	2.610707	1.45554	0.7712	1.5000	-4.0000	13.00000			
62	41	3.60000	2.521817	1.42754	0.7870	8.5000	-20.0000	35.00000			
58	48	3.06944	2.417385	1.26974	0.8659	1.0000	-3.0000	15.00000			
62	30	2.02500	2.525750	0.80174	0.9849	8.0000	-14.0000	36.00000			
72	48	2.02500	2.452640	0.82564	0.9824	1.0000	-3.0000	7.00000			
80	58	1.16111	2.565079	0.45266	0.9994	1.0000	-12.0000	12.00000			
80	41	1.01250	2.511298	0.40318	0.9997	1.0000	-24.0000	13.00000			
58	41	0.00000	2.431081	0.00000	1.0000	0.0000	-25.0000	14.00000			
72	41	-0.90000	2.507342	-0.35895	0.9998	-1.0000	-25.0000	6.00000			
41	30	-1.12500	2.373464	-0.47399	0.9992	-2.0000	-21.0000	24.00000			
48	41	-1.50000	2.352304	-0.63767	0.9956	-1.0000	-26.0000	4.00000			
72	58	-1.79444	2.559357	-0.70113	0.9926	-1.0000	-14.0000	5.00000			
80	30	-2.02500	2.503380	-0.80891	0.9842	-2.0000	-18.0000	11.00000			
58	30	-2.36111	2.443191	-0.96640	0.9611	-2.0000	-19.0000	12.00000			
80	62	-4.20000	2.631789	-1.59587	0.6851	-10.0000	-33.0000	6.00000			
72	30	-4.38750	2.500735	-1.75448	0.5791	-3.5000	-19.0000	4.00000			
48	30	-5.37500	2.313007	-2.32382	0.2324	-4.0000	-20.0000	2.00000			
72	62	-5.90000	2.635786	-2.23842	0.2748	-11.5000	-42.0000	2.00000			

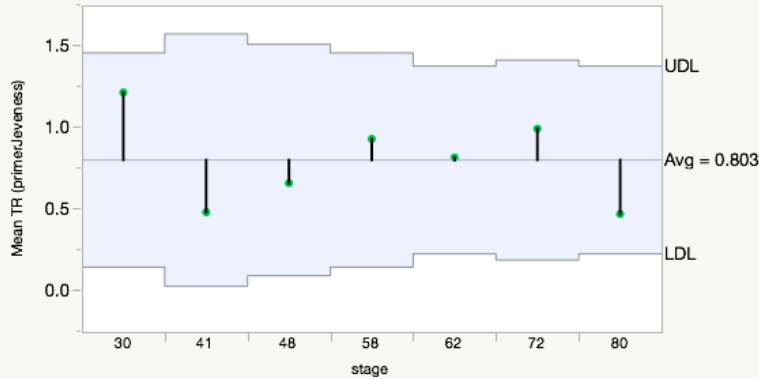
B. Analysis of Pielou's evenness (J'). Note that the ANOM test was manually adjusted for multiple testing, while the pairwise tests are adjusted for multiple testing within the procedure.

Oneway Analysis of primerJevenness By stage



Missing Rows 5
Excluded Rows 229

Analysis of Means-Transformed Ranks



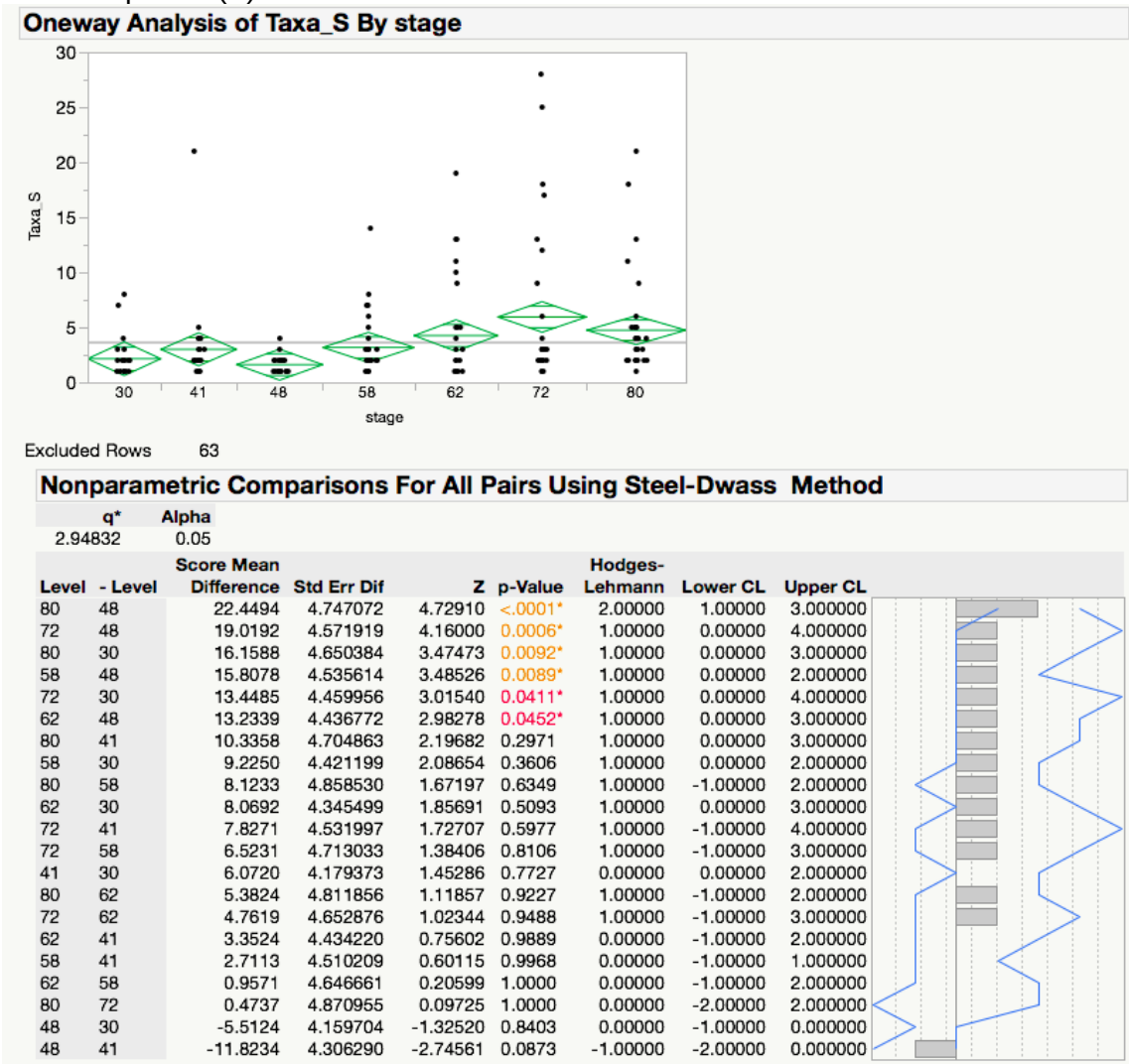
$\alpha = 0.007$

Nonparametric Comparisons For All Pairs Using Steel-Dwass Method

q*		Alpha								
2.94832		0.05								
Level	- Level	Score Mean	Difference	Std Err Dif	Z	p-Value	Hodges-Lehmann	Lower CL	Upper CL	
62	41	3.86667	2.458545	1.57275	0.6999	0.065796	-0.204605	0.377782		
58	41	2.47917	2.259240	1.09735	0.9291	0.104024	.	.	.	
72	41	2.08333	2.357023	0.88388	0.9751	0.065608	-0.317289	0.482323	.	
62	48	2.06429	2.488545	0.82952	0.9820	0.053867	-0.172873	0.322824	.	
58	48	1.74107	2.314550	0.75223	0.9892	0.039672	-0.166801	0.346364	.	
48	41	0.77381	2.166667	0.35714	0.9998	0.044814	.	.	.	
72	48	0.50794	2.399294	0.21170	1.0000	0.010410	-0.278583	0.368645	.	
72	62	0.00000	2.585573	0.00000	1.0000	0.002126	-0.241599	0.229784	.	
80	41	0.00000	2.458545	0.00000	1.0000	-0.002307	-0.232366	0.318718	.	
72	58	-1.06250	2.453739	-0.43301	0.9995	-0.020198	-0.331814	0.223760	.	
80	48	-1.09286	2.488545	-0.43916	0.9995	-0.018261	-0.239541	0.239381	.	
62	58	-1.23750	2.532291	-0.48869	0.9990	-0.010867	-0.222563	0.186387	.	
80	72	-1.58333	2.585573	-0.61237	0.9965	-0.055342	-0.293220	0.199757	.	
72	30	-1.77083	2.453739	-0.72169	0.9913	-0.086493	-0.322819	0.125688	.	
58	30	-2.37500	2.380476	-0.99770	0.9547	-0.072578	-0.232846	0.122457	.	
80	58	-3.71250	2.532291	-1.46606	0.7651	-0.067303	-0.261432	0.089964	.	
62	30	-3.93750	2.532291	-1.55492	0.7112	-0.044790	-0.239722	0.093158	.	
48	30	-4.41964	2.314550	-1.90950	0.4739	-0.096175	-0.374232	0.068730	.	
80	62	-4.70000	2.645751	-1.77643	0.5641	-0.069846	-0.237892	0.112757	.	
41	30	-5.68750	2.259240	-2.51744	0.1529	-0.120416	.	.	.	
80	30	-7.76250	2.532291	-3.06541	0.0354*	-0.117693	-0.283777	-0.008108	.	

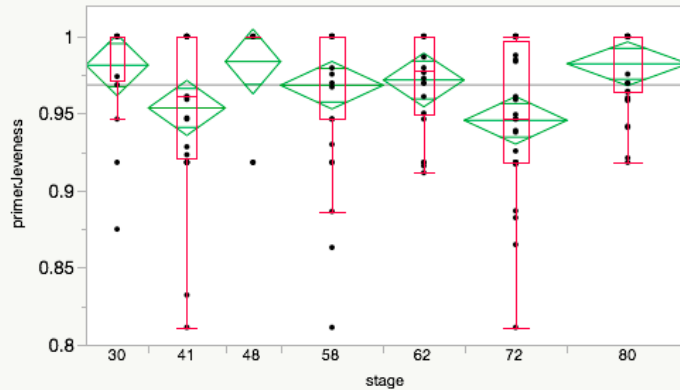
SEM:

A. Total species (S) = total SCU



B. Analysis of evenness, J'

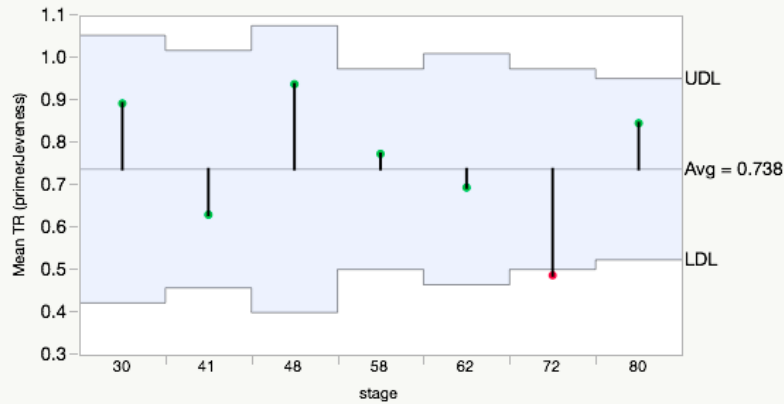
Oneway Analysis of primerJeveness By stage



Missing Rows 65

Excluded Rows 63

Analysis of Means-Transformed Ranks



$\alpha = 0.007$

Nonparametric Comparisons For All Pairs Using Steel-Dwass Method

q*		Alpha								
2.94832		0.05								
Level	- Level	Score Mean	Difference	Std Err Dif	Z	p-Value	Hodges-Lehmann	Lower CL	Upper CL	
80	72	15.1180	4.356854	3.46993	0.0094*	0.039036	0.000000	0.0743503		
80	41	8.2597	4.036012	2.04651	0.3852	0.008760	0.000000	0.0536054		
48	41	5.7714	3.180040	1.81489	0.5378	0.000000	0.000000	0.0817042		
80	62	5.1136	4.071816	1.25586	0.8719	0.000000	-0.005428	0.0302761		
58	41	4.2500	3.838538	1.10719	0.9262	0.000000	-0.020430	0.0536054		
62	41	2.5595	3.684036	0.69476	0.9929	0.000000	-0.027113	0.0536054		
80	58	2.4756	4.064853	0.60904	0.9966	0.000000	-0.004594	0.0302761		
48	30	1.0667	2.523413	0.42271	0.9996	0.000000	0.000000	0.0313677		
80	30	-1.8271	3.738029	-0.48879	0.9990	0.000000	-0.030276	0.0015277		
62	58	-2.1510	3.883299	-0.55390	0.9980	0.000000	-0.030276	0.0302200		
80	48	-2.8606	3.655578	-0.78253	0.9867	0.000000	-0.030276	0.0000000		
58	30	-3.1670	3.517629	-0.90033	0.9726	0.000000	-0.050336	0.0000000		
58	48	-4.2488	3.415098	-1.24413	0.8768	0.000000	-0.053605	0.0000000		
72	41	-4.3333	4.042633	-1.07191	0.9364	-0.004924	-0.053605	0.0384640		
62	30	-4.9011	3.381555	-1.44935	0.7747	0.000000	-0.039036	0.0026386		
41	30	-5.9608	3.303519	-1.80437	0.5450	-0.007668	-0.076780	0.0000000		
62	48	-5.9985	3.272005	-1.83327	0.5253	0.000000	-0.049835	0.0000000		
72	62	-7.5081	4.078457	-1.84092	0.5201	-0.021381	-0.061317	0.0088262		
72	58	-9.2857	4.200263	-2.21075	0.2895	-0.016393	-0.062118	0.0000000		
72	48	-10.8524	3.827402	-2.83544	0.0686	-0.040022	-0.081704	0.0000000		
72	30	-10.8718	3.878296	-2.80325	0.0749	-0.039036	-0.081704	0.0000000		

C. Distribution of SEM sizeclass areas:

