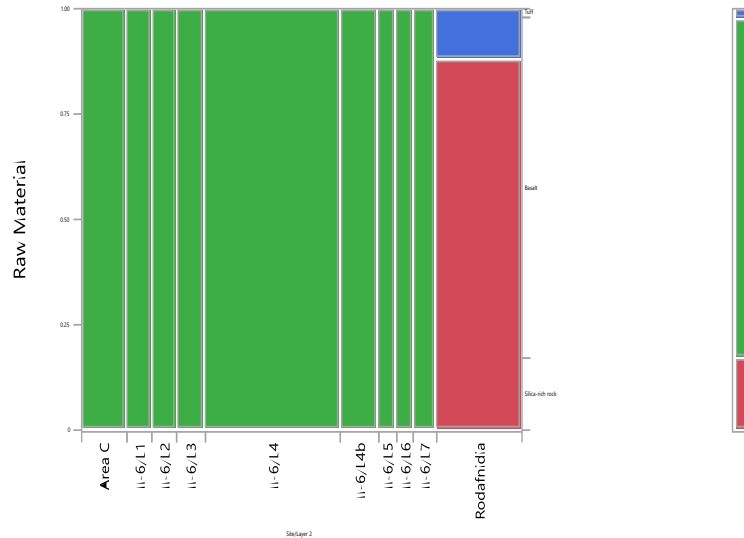


Statistical Analyses of cleavers morphological variables vs. provenance

Contingency Analysis of Raw Material By Site/Layer 2

Mosaic Plot



Contingency Table

Site/Layer 2 By Raw Material

Count Row %	Silica-rich rock	Basalt	Tuff	Total
Area C	0 0.00	18 100.00	0 0.00	18
II-6/L1	0 0.00	10 100.00	0 0.00	10
II-6/L2	0 0.00	10 100.00	0 0.00	10
II-6/L3	0 0.00	11 100.00	0 0.00	11
II-6/L4	0 0.00	54 100.00	0 0.00	54
II-6/L4b	0 0.00	15 100.00	0 0.00	15
II-6/L5	0 0.00	7 100.00	0 0.00	7
II-6/L6	0 0.00	7 100.00	0 0.00	7
II-6/L7	0 0.00	9 100.00	0 0.00	9
Rodafnidia	30 88.24	0 0.00	4 11.76	34
Total	30	141	4	175

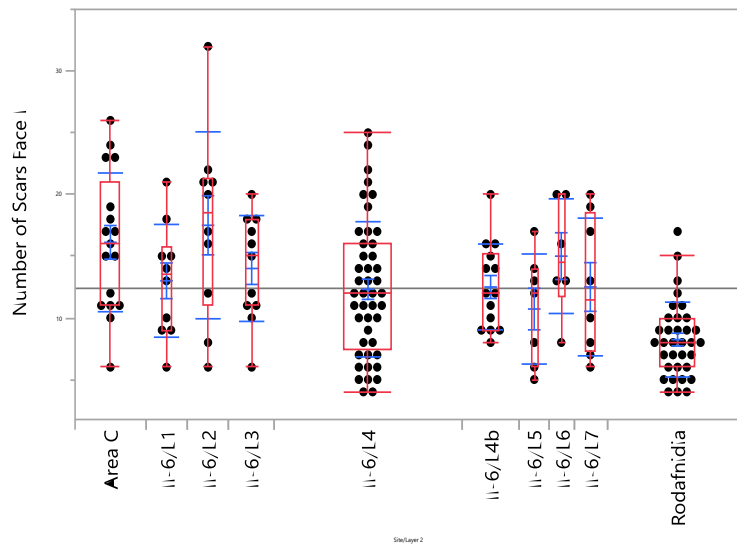
Tests

N	DF	-LogLike	RSquare (U)
175	18	86.166143	0.8749

Test	ChiSquare	Prob>ChiSq
Likelihood Ratio	172.332	<.0001*
Pearson	175.000	<.0001*

Warning: 20% of cells have expected count less than 5, ChiSquare suspect.

Oneway Analysis of Number of Scars Face I By Site/Layer 2



Means and Std Deviations

Level	Number	Mean	Std Dev	Std Err Mean	Lower 95%	Upper 95%
Area C	17	16.117647	5.6223033	1.3636088	13.226925	19.008369
II-6/L1	10	13	4.5704364	1.4452989	9.7305068	16.269493
II-6/L2	10	17.5	7.5755455	2.3955978	12.080781	22.919219
II-6/L3	11	14	4.2895221	1.2933396	11.11826	16.88174
II-6/L4	45	12.311111	5.4806363	0.817005	10.664546	13.957677
II-6/L4b	14	12.5	3.4807161	0.9302605	10.490294	14.509706
II-6/L5	7	10.714286	4.4614753	1.6862792	6.5881092	14.840462
II-6/L6	6	15	4.64758	1.8973666	10.122664	19.877336
II-6/L7	8	12.5	5.5805786	1.9730325	7.8345196	17.16548
Rodafnidia	34	8.2352941	3.0357349	0.5206242	7.1760761	9.2945121

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

Herzlinger and Galanidou. The Acheulean Large Cutting Tool assemblage from Rodafnidia, Lesvos: A 3D morpho-technological cross-regional comparative analysis. ESM 11

Level	Count	Score Sum	Expected Score	Score Mean	(Mean-Mean0)/Std0
Area C	17	1904.50	1385.50	112.029	2.838
II-6/L1	10	898.500	815.000	89.850	0.579
II-6/L2	10	1160.50	815.000	116.050	2.405
II-6/L3	11	1098.00	896.500	99.818	1.340
II-6/L4	45	3653.50	3667.50	81.189	-0.051
II-6/L4b	14	1212.00	1141.00	86.571	0.421
II-6/L5	7	484.500	570.500	69.214	-0.706
II-6/L6	6	643.500	489.000	107.250	1.368
II-6/L7	8	663.000	652.000	82.875	0.081
Rodafnidia	34	1485.00	2771.00	43.676	-5.296

Kruskal-Wallis Test, ChiSquare Approximation

ChiSquare	DF	Prob>ChiSq
39.3200	9	<.0001*

Nonparametric Comparisons For Each Pair Using Wilcoxon Method

q*	Alpha
1.95996	0.05

Level	- Level	Score Mean Difference	Std Err Dif	Z	p-Value	Hodges-Lehmann	Lower CL	Upper CL
II-6/L6	II-6/L4	8.2167	6.448704	1.27416	0.2026	3.0000	-2.0000	8.0000
II-6/L2	II-6/L1	3.8000	2.638780	1.44006	0.1499	5.0000	-2.0000	11.0000
II-6/L6	II-6/L4b	3.0952	2.869335	1.07873	0.2807	3.5000	-2.0000	8.0000
II-6/L6	II-6/L5	3.0952	2.148735	1.44049	0.1497	4.5000	-4.0000	12.0000
II-6/L3	II-6/L1	1.8136	2.700505	0.67159	0.5018	1.5000	-3.0000	6.0000
II-6/L4b	II-6/L4	1.5452	5.245529	0.29458	0.7683	0.5000	-3.0000	3.0000
II-6/L7	II-6/L5	1.4732	2.306269	0.63879	0.5230	2.0000	-6.0000	8.0000
II-6/L6	II-6/L1	1.4667	2.445858	0.59965	0.5487	2.0000	-5.0000	7.0000
II-6/L2	Area C	1.4294	3.156441	0.45286	0.6507	1.5000	-5.0000	7.0000
II-6/L6	II-6/L3	1.2879	2.550253	0.50500	0.6136	2.0000	-5.0000	7.0000
II-6/L7	II-6/L4	0.6625	5.914820	0.11201	0.9108	0.0000	-4.0000	5.0000
II-6/L7	II-6/L4b	-0.5893	2.869838	-0.20534	0.8373	-1.0000	-5.0000	5.0000
II-6/L7	II-6/L1	-0.6750	2.525750	-0.26725	0.7893	-1.0000	-7.0000	5.0000
II-6/L6	Area C	-0.6765	3.212678	-0.21056	0.8332	-2.0000	-7.0000	5.0000
II-6/L4b	II-6/L1	-0.6857	2.907903	-0.23581	0.8136	0.0000	-5.0000	3.0000
II-6/L7	II-6/L3	-1.4034	2.607899	-0.53814	0.5905	-1.5000	-8.0000	4.0000
II-6/L6	II-6/L2	-2.0000	2.444040	-0.81832	0.4132	-2.0000	-9.0000	5.0000
II-6/L7	II-6/L6	-2.0417	2.236785	-0.91277	0.3614	-3.0000	-10.0000	5.0000
II-6/L5	II-6/L4b	-2.3571	2.859196	-0.82441	0.4097	-2.0000	-6.0000	3.0000
II-6/L3	Area C	-2.5455	3.166909	-0.80377	0.4215	-1.0000	-6.0000	2.0000
II-6/L5	II-6/L1	-2.6714	2.480909	-1.07679	0.2816	-2.0000	-8.0000	3.0000
II-6/L4	II-6/L1	-2.8111	5.591725	-0.50273	0.6152	-1.0000	-4.0000	3.0000
II-6/L5	II-6/L4	-3.2190	6.144742	-0.52387	0.6004	-1.0000	-6.0000	3.0000
II-6/L4b	II-6/L3	-3.2468	2.953348	-1.09935	0.2716	-2.0000	-6.0000	2.0000
II-6/L5	II-6/L3	-3.3896	2.574483	-1.31662	0.1880	-4.0000	-9.0000	2.0000
II-6/L3	II-6/L2	-3.6273	2.704037	-1.34143	0.1798	-3.5000	-10.0000	3.0000

Herzlinger and Galanidou. The Acheulean Large Cutting Tool assemblage from Rodafnidia, Lesvos: A 3D morpho-technological cross-regional comparative analysis. ESM 11

Level	- Level	Score Mean Difference	Std Err Dif	Z	p-Value	Hodges-Lehmann	Lower CL	Upper CL
II-6/L7	II-6/L2	-3.7125	2.525750	-1.46986	0.1416	-4.0000	-13.0000	2.0000
II-6/L7	Area C	-4.0441	3.147590	-1.28483	0.1989	-4.0000	-9.0000	2.0000
II-6/L5	II-6/L2	-4.7357	2.480909	-1.90886	0.0563	-7.0000	-15.0000	0.0000
II-6/L1	Area C	-4.7647	3.153537	-1.51091	0.1308	-3.0000	-8.0000	2.0000
II-6/L4b	II-6/L2	-5.4000	2.917499	-1.85090	0.0642	-5.5000	-10.0000	0.0000
II-6/L5	Area C	-6.0504	3.167242	-1.91031	0.0561	-5.0000	-11.0000	0.0000
II-6/L4	II-6/L3	-6.0525	5.474818	-1.10552	0.2689	-2.0000	-6.0000	2.0000
II-6/L4b	Area C	-6.4475	3.271449	-1.97083	0.0487*	-3.0000	-7.0000	0.0000
Rodafnidia	II-6/L5	-6.6324	4.944184	-1.34145	0.1798	-3.0000	-6.0000	1.0000
Rodafnidia	II-6/L7	-9.3419	4.794635	-1.94841	0.0514	-3.5000	-9.0000	0.0000
II-6/L4	Area C	-11.4275	5.126345	-2.22916	0.0258*	-4.0000	-7.0000	0.0000
II-6/L4	II-6/L2	-11.8556	5.591927	-2.12012	0.0340*	-5.0000	-10.0000	0.0000
Rodafnidia	II-6/L1	-13.7176	4.597909	-2.98345	0.0029*	-5.0000	-8.0000	-2.0000
Rodafnidia	II-6/L6	-15.3922	5.148865	-2.98943	0.0028*	-7.0000	-11.0000	-3.0000
Rodafnidia	II-6/L2	-15.7882	4.601671	-3.43098	0.0006*	-10.0000	-13.0000	-5.0000
Rodafnidia	II-6/L4b	-16.0336	4.422890	-3.62514	0.0003*	-4.0000	-6.0000	-2.0000
Rodafnidia	II-6/L3	-16.4840	4.538815	-3.63178	0.0003*	-6.0000	-9.0000	-3.0000
Rodafnidia	II-6/L4	-17.9686	5.201876	-3.45426	0.0006*	-4.0000	-6.0000	-2.0000
Rodafnidia	Area C	-20.4706	4.402974	-4.64926	<.0001*	-8.0000	-11.0000	-5.0000

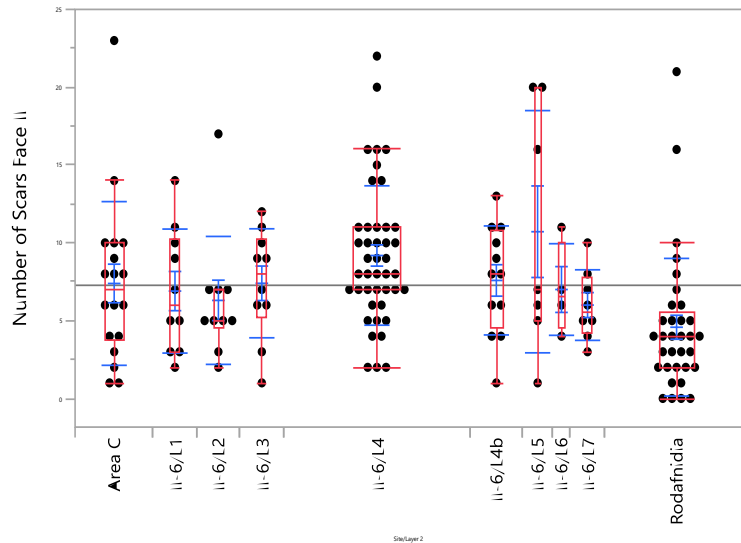
Connecting Letters Report

Level	
Area C	A
II-6/L1	A B C
II-6/L2	A C
II-6/L3	A B C
II-6/L4	B
II-6/L4b	B C
II-6/L5	A B C D
II-6/L6	A B C
II-6/L7	A B C D
Rodafnidia	D

Levels not connected by same letter are significantly different.

Missing Rows13

Oneway Analysis of Number of Scars Face II By Site/Layer 2



Means and Std Deviations

Level	Number	Mean	Std Dev	Std Err Mean	Lower 95%	Upper 95%
Area C	18	7.3888889	5.2596006	1.2396998	4.773351	10.004427
II-6/L1	10	6.9	3.9846929	1.2600705	4.0495224	9.7504776
II-6/L2	10	6.3	4.110961	1.3	3.3591957	9.2408043
II-6/L3	10	7.4	3.5023801	1.1075498	4.8945482	9.9054518
II-6/L4	43	9.1860465	4.4788169	0.6830132	7.8076701	10.564423
II-6/L4b	12	7.5833333	3.5021638	1.0109876	5.3581646	9.8085021
II-6/L5	7	10.714286	7.7827648	2.9416086	3.5164287	17.912143
II-6/L6	4	7	2.9439203	1.4719601	2.3155659	11.684434
II-6/L7	8	6	2.2677868	0.8017837	4.1040828	7.8959172
Rodafnidia	33	4.5757576	4.4231656	0.7699743	3.0073713	6.1441439

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

Level	Count	Score Sum	Expected Score	Score Mean	(Mean-Mean0)/Std0
Area C	18	1408.00	1404.00	78.2222	0.020
II-6/L1	10	766.500	780.000	76.6500	-0.095
II-6/L2	10	665.000	780.000	66.5000	-0.836
II-6/L3	10	865.500	780.000	86.5500	0.621
II-6/L4	43	4268.00	3354.00	99.2558	3.662
II-6/L4b	12	1053.00	936.000	87.7500	0.782
II-6/L5	7	664.500	546.000	94.9286	1.020
II-6/L6	4	325.000	312.000	81.2500	0.141
II-6/L7	8	548.500	624.000	68.5625	-0.608
Rodafnidia	33	1526.00	2574.00	46.2424	-4.592

Kruskal-Wallis Test, ChiSquare Approximation

ChiSquare	DF	Prob>ChiSq
29.2977	9	0.0006*

Nonparametric Comparisons For Each Pair Using Wilcoxon Method

q*	Alpha
1.95996	0.05

Level	- Level	Score Mean Difference	Std Err Dif	Z	p-Value	Hodges-Lehmann	Lower CL	Upper CL
II-6/L4	II-6/L2	12.6337	5.388747	2.34446	0.0191*	3.00000	0.0000	5.0000
II-6/L4	Area C	8.1570	4.963576	1.64337	0.1003	2.00000	0.0000	5.0000
II-6/L4	II-6/L1	7.5186	5.397208	1.39305	0.1636	2.00000	-1.0000	5.0000
II-6/L4	II-6/L3	4.6837	5.397976	0.86768	0.3856	1.00000	-2.0000	4.0000
II-6/L4b	II-6/L2	3.3917	2.766222	1.22610	0.2202	2.00000	-1.0000	5.0000
II-6/L3	II-6/L2	3.1000	2.622775	1.18195	0.2372	2.00000	-2.0000	5.0000
II-6/L5	II-6/L2	2.6714	2.440817	1.09448	0.2737	2.00000	-2.0000	13.0000
II-6/L5	II-6/L1	2.1857	2.477848	0.88210	0.3777	3.00000	-4.0000	13.0000
II-6/L5	Area C	2.1825	3.263150	0.66884	0.5036	2.50000	-3.0000	12.0000
II-6/L4b	Area C	1.8750	3.256661	0.57574	0.5648	1.00000	-2.0000	4.0000
II-6/L3	Area C	1.4778	3.224775	0.45826	0.6468	1.00000	-3.0000	4.0000
II-6/L6	II-6/L2	1.4000	2.419870	0.57854	0.5629	1.00000	-3.0000	6.0000
II-6/L4b	II-6/L1	1.3750	2.771739	0.49608	0.6198	1.00000	-3.0000	5.0000
II-6/L5	II-6/L4b	1.3571	2.665736	0.50911	0.6107	2.00000	-4.0000	11.0000
II-6/L5	II-6/L3	1.0929	2.476316	0.44132	0.6590	2.50000	-5.0000	11.0000
II-6/L3	II-6/L1	1.0000	2.632789	0.37983	0.7041	1.00000	-4.0000	5.0000
II-6/L7	II-6/L2	0.5625	2.471455	0.22760	0.8200	0.00000	-2.0000	3.0000
II-6/L6	II-6/L1	0.5250	2.463971	0.21307	0.8313	1.00000	-6.0000	6.0000
II-6/L6	Area C	0.3056	3.566081	0.08568	0.9317	0.00000	-4.0000	5.0000
II-6/L4b	II-6/L3	0.0917	2.763064	0.03318	0.9735	0.00000	-3.0000	4.0000
II-6/L5	II-6/L4	0.0831	5.915277	0.01404	0.9888	0.00000	-4.0000	9.0000
II-6/L1	Area C	0.0000	3.231914	0.00000	1.0000	0.00000	-4.0000	4.0000
II-6/L6	II-6/L3	-0.5250	2.455762	-0.21378	0.8307	-0.50000	-5.0000	5.0000
II-6/L7	II-6/L1	-0.5625	2.511298	-0.22399	0.8228	0.00000	-5.0000	3.0000
II-6/L6	II-6/L4b	-0.8333	2.722336	-0.30611	0.7595	-0.50000	-5.0000	5.0000
II-6/L2	II-6/L1	-0.9000	2.595543	-0.34675	0.7288	0.00000	-5.0000	3.0000
II-6/L6	II-6/L5	-0.9821	2.064582	-0.47571	0.6343	-1.50000	-14.0000	6.0000
II-6/L7	II-6/L6	-1.1250	2.192446	-0.51313	0.6079	-1.00000	-6.0000	4.0000
II-6/L7	Area C	-1.7153	3.229379	-0.53115	0.5953	-1.00000	-4.0000	2.0000
II-6/L7	II-6/L5	-2.2768	2.300039	-0.98989	0.3222	-2.00000	-14.0000	3.0000
II-6/L2	Area C	-2.4111	3.231022	-0.74624	0.4555	-1.00000	-4.0000	2.0000
II-6/L7	II-6/L3	-2.7000	2.520504	-1.07121	0.2841	-2.00000	-5.0000	2.0000
II-6/L7	II-6/L4b	-3.1250	2.685038	-1.16386	0.2445	-2.00000	-5.0000	2.0000
II-6/L4b	II-6/L4	-4.4234	5.207216	-0.84948	0.3956	-1.00000	-4.0000	1.0000
II-6/L6	II-6/L4	-7.2413	7.129206	-1.01572	0.3098	-2.00000	-6.0000	2.0000
Rodafnidia	II-6/L2	-8.1439	4.498934	-1.81019	0.0703	-2.00000	-4.0000	0.0000
Rodafnidia	II-6/L1	-8.4045	4.505996	-1.86519	0.0622	-3.00000	-6.0000	0.0000
Rodafnidia	II-6/L7	-8.8523	4.690067	-1.88745	0.0591	-2.00000	-4.0000	0.0000

Herzlinger and Galanidou. The Acheulean Large Cutting Tool assemblage from Rodafnidia, Lesvos: A 3D morpho-technological cross-regional comparative analysis. ESM 11

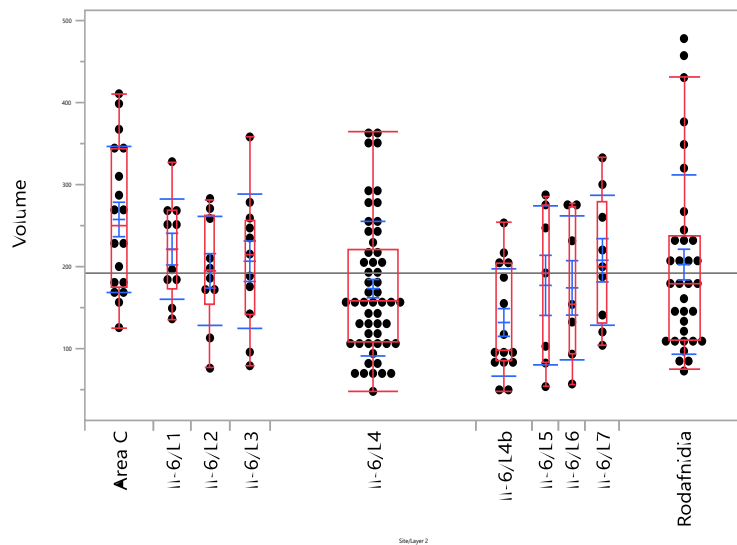
Level	- Level	Score Mean Difference	Std Err Dif	Z	p-Value	Hodges-Lehmann	Lower CL	Upper CL
Rodafnidia	II-6/L6	-10.0909	5.692640	-1.77262	0.0763	-3.00000	-7.0000	1.0000
Rodafnidia	Area C	-10.1742	4.335256	-2.34686	0.0189*	-3.00000	-5.0000	0.0000
Rodafnidia	II-6/L5	-10.5628	4.840445	-2.18219	0.0291*	-4.00000	-14.0000	0.0000
Rodafnidia	II-6/L3	-10.8803	4.512876	-2.41095	0.0159*	-4.00000	-6.0000	-1.0000
Rodafnidia	II-6/L4b	-11.8750	4.404784	-2.69593	0.0070*	-4.00000	-6.0000	-1.0000
II-6/L7	II-6/L4	-12.1570	5.696120	-2.13426	0.0328*	-3.00000	-5.0000	0.0000
Rodafnidia	II-6/L4	-24.4228	5.094918	-4.79357	<.0001*	-5.00000	-6.0000	-3.0000

Connecting Letters Report

Level		
Area C	A	B
II-6/L1	A	B C
II-6/L2	A	C
II-6/L3	A	B
II-6/L4		B
II-6/L4b	A	B
II-6/L5	A	B
II-6/L6	A	B C
II-6/L7	A	C
Rodafnidia		C

Levels not connected by same letter are significantly different.
Missing Rows20

Oneway Analysis of Volume By Site/Layer 2



Means and Std Deviations

Herzlinger and Galanidou. The Acheulean Large Cutting Tool assemblage from Rodafnidia, Lesvos: A 3D morpho-technological cross-regional comparative analysis. ESM 11

Level	Number	Mean	Std Dev	Std Err Mean	Lower 95%	Upper 95%
Area C	18	258.05594	88.987229	20.974491	213.80364	302.30825
II-6/L1	10	221.9082	61.064381	19.310253	178.22537	265.59102
II-6/L2	10	195.40191	66.399061	20.997227	147.90288	242.90093
II-6/L3	11	207.18297	81.828591	24.672249	152.20978	262.15617
II-6/L4	54	173.77398	81.995753	11.158209	151.39344	196.15451
II-6/L4b	15	132.52706	65.374684	16.879671	96.323766	168.73035
II-6/L5	7	177.76943	96.880368	36.617337	88.170035	267.36883
II-6/L6	7	174.71881	87.708985	33.15088	93.601528	255.83609
II-6/L7	9	208.35094	79.166986	26.388995	147.4978	269.20407
Rodafnidia	34	203.10055	109.24234	18.734907	164.9841	241.21701

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

Level	Count	Score Sum	Expected Score	Score Mean	(Mean-Mean0)/Std0
Area C	18	2213.00	1584.00	122.944	3.087
II-6/L1	10	1096.00	880.000	109.600	1.385
II-6/L2	10	952.000	880.000	95.200	0.460
II-6/L3	11	1090.00	968.000	99.091	0.747
II-6/L4	54	4180.00	4752.00	77.407	-1.846
II-6/L4b	15	795.000	1320.00	53.000	-2.796
II-6/L5	7	578.000	616.000	82.571	-0.286
II-6/L6	7	563.000	616.000	80.429	-0.400
II-6/L7	9	905.000	792.000	100.556	0.760
Rodafnidia	34	3028.00	2992.00	89.059	0.134

Kruskal-Wallis Test, ChiSquare Approximation

ChiSquare	DF	Prob>ChiSq
21.4346	9	0.0109*

Nonparametric Comparisons For Each Pair Using Wilcoxon Method

q*	Alpha
1.95996	0.05

Level	- Level	Score Mean Difference	Std Err Dif	Z	p-Value	Hodges-Lehmann	Lower CL	Upper CL
Rodafnidia	II-6/L4b	10.1363	4.428997	2.28862	0.0221*	52.897	8.261	113.945
II-6/L7	II-6/L4	8.6204	6.599663	1.30618	0.1915	37.427	-22.836	100.961
II-6/L7	II-6/L4b	6.9333	2.981424	2.32551	0.0200*	73.934	10.492	144.250
Rodafnidia	II-6/L4	5.9673	5.593076	1.06691	0.2860	18.861	-17.673	55.752
II-6/L6	II-6/L4b	3.5619	2.972359	1.19834	0.2308	43.459	-36.616	138.970
II-6/L5	II-6/L4b	2.9333	2.972359	0.98687	0.3237	37.183	-35.143	154.623
Rodafnidia	II-6/L5	1.8088	4.971980	0.36380	0.7160	17.909	-83.217	121.373
II-6/L7	II-6/L5	1.7778	2.399294	0.74096	0.4587	27.994	-86.321	140.311
Rodafnidia	II-6/L6	1.6366	4.971980	0.32916	0.7420	16.175	-67.338	103.977
II-6/L7	II-6/L6	1.5238	2.399294	0.63511	0.5254	37.419	-77.000	142.845

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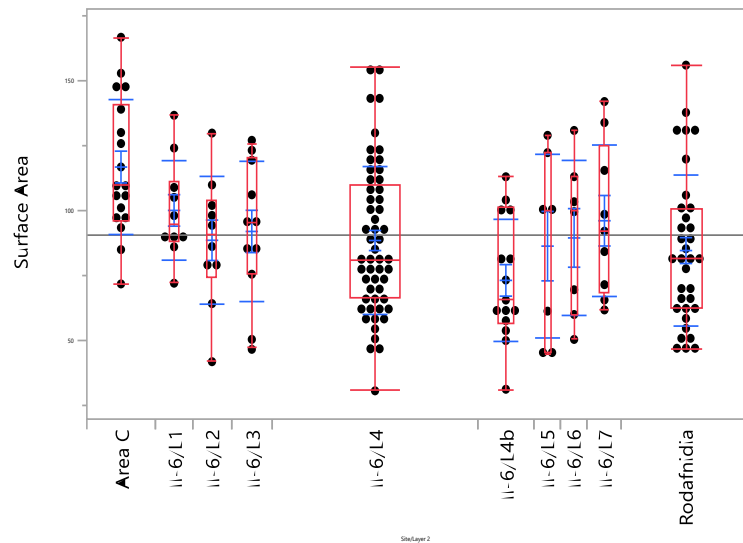
Level	- Level	Score Mean Difference	Std Err Dif	Z	p-Value	Hodges-Lehmann	Lower CL	Upper CL
II-6/L7	II-6/L2	0.9500	2.585573	0.36742	0.7133	12.661	-70.764	92.275
II-6/L5	II-6/L4	0.5648	7.131636	0.07920	0.9369	1.257	-76.052	95.010
II-6/L3	II-6/L2	0.4773	2.711088	0.17604	0.8603	7.058	-67.647	79.180
II-6/L7	II-6/L3	0.2020	2.659080	0.07597	0.9394	4.687	-84.387	84.755
II-6/L6	II-6/L4	0.0000	7.131636	0.00000	1.0000	0.183	-71.414	82.266
II-6/L6	II-6/L5	0.0000	2.236068	0.00000	1.0000	-1.536	-142.807	149.015
II-6/L5	II-6/L2	-0.3643	2.488545	-0.14639	0.8836	-9.341	-122.400	84.093
II-6/L5	II-6/L3	-0.7013	2.581150	-0.27170	0.7859	-23.038	-142.269	71.557
II-6/L7	II-6/L1	-0.7389	2.585573	-0.28577	0.7751	-12.395	-82.426	64.936
II-6/L6	II-6/L2	-1.0929	2.488545	-0.43916	0.6605	-21.077	-119.217	76.120
II-6/L3	II-6/L1	-1.2409	2.711088	-0.45772	0.6472	-12.342	-89.304	63.327
II-6/L2	II-6/L1	-1.3000	2.645751	-0.49135	0.6232	-17.288	-83.665	31.416
II-6/L5	II-6/L1	-1.5786	2.488545	-0.63434	0.5259	-49.454	-148.559	60.601
Rodafnidia	II-6/L2	-1.7471	4.620924	-0.37808	0.7054	-12.135	-71.662	57.068
II-6/L6	II-6/L3	-1.8701	2.581150	-0.72453	0.4687	-23.916	-126.510	58.438
II-6/L6	II-6/L1	-2.3071	2.488545	-0.92711	0.3539	-46.238	-135.171	44.948
Rodafnidia	II-6/L7	-2.3186	4.706992	-0.49259	0.6223	-16.261	-90.501	57.140
Rodafnidia	II-6/L3	-2.9479	4.555804	-0.64706	0.5176	-17.978	-81.601	51.769
II-6/L1	Area C	-3.1889	3.244368	-0.98290	0.3257	-31.830	-100.455	35.605
II-6/L3	Area C	-4.0278	3.258633	-1.23603	0.2164	-49.427	-127.078	24.766
II-6/L7	Area C	-4.4167	3.240370	-1.36301	0.1729	-48.318	-127.932	31.063
II-6/L2	Area C	-5.0556	3.244368	-1.55826	0.1192	-61.025	-135.005	12.224
II-6/L5	Area C	-5.0595	3.278316	-1.54333	0.1228	-79.793	-172.114	21.203
II-6/L4b	II-6/L2	-5.7500	3.004626	-1.91372	0.0557	-73.990	-120.993	4.108
II-6/L6	Area C	-5.8532	3.278316	-1.78542	0.0742	-77.634	-175.656	5.550
Rodafnidia	II-6/L1	-6.2765	4.620924	-1.35827	0.1744	-39.945	-90.004	28.253
II-6/L4b	II-6/L3	-6.7758	3.036146	-2.23170	0.0256*	-76.945	-149.530	-3.255
II-6/L4	II-6/L2	-7.5259	6.409869	-1.17412	0.2403	-32.152	-84.862	26.674
II-6/L4b	II-6/L1	-7.7500	3.004626	-2.57936	0.0099*	-92.873	-157.859	-37.761
II-6/L4	II-6/L3	-8.1524	6.254628	-1.30341	0.1924	-36.725	-96.274	17.667
Rodafnidia	Area C	-9.3889	4.417484	-2.12539	0.0336*	-61.987	-121.633	-3.867
II-6/L4b	II-6/L4	-10.5204	5.855513	-1.79666	0.0724	-36.513	-76.431	5.162
II-6/L4b	Area C	-11.9167	3.380500	-3.52512	0.0004*	-118.636	-184.992	-69.638
II-6/L4	II-6/L1	-12.5037	6.409869	-1.95070	0.0511	-55.606	-108.701	2.624
II-6/L4	Area C	-18.8519	5.696002	-3.30966	0.0009*	-83.154	-131.027	-38.308

Connecting Letters Report

Level	
Area C	A
II-6/L1	A B
II-6/L2	A B C
II-6/L3	A B
II-6/L4	B C
II-6/L4b	C
II-6/L5	A B C
II-6/L6	A B C
II-6/L7	A B
Rodafnidia	B

Levels not connected by same letter are significantly different.

Oneway Analysis of Surface Area By Site/Layer 2



Means and Std Deviations

Level	Number	Mean	Std Dev	Std Err Mean	Lower 95%	Upper 95%
Area C	18	116.71975	26.01174	6.131026	103.78442	129.65508
II-6/L1	10	99.99799	19.187001	6.0674624	86.272436	113.72354
II-6/L2	10	88.47904	24.637751	7.7911408	70.854255	106.10383
II-6/L3	11	91.890145	27.043292	8.1538594	73.722215	110.05808
II-6/L4	54	88.398087	28.512636	3.8800782	80.615636	96.180538
II-6/L4b	15	73.01784	23.540485	6.078127	59.981554	86.054126
II-6/L5	7	86.2223	35.407924	13.382937	53.475432	118.96917
II-6/L6	7	89.389371	29.889239	11.29707	61.746436	117.03231
II-6/L7	9	96.014233	29.202522	9.7341739	73.567188	118.46128
Rodafnidia	34	84.521318	29.119182	4.9938985	74.361155	94.681481

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

Level	Count	Score Sum	Expected Score	Score Mean	(Mean-Mean0)/Std0
Area C	18	2364.00	1584.00	131.333	3.829
II-6/L1	10	1082.00	880.000	108.200	1.295
II-6/L2	10	866.000	880.000	86.600	-0.087
II-6/L3	11	1019.00	968.000	92.636	0.310
II-6/L4	54	4537.00	4752.00	84.019	-0.693
II-6/L4b	15	878.000	1320.00	58.533	-2.353
II-6/L5	7	565.000	616.000	80.714	-0.385

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Level	Count	Score Sum	Expected Score	Score Mean	(Mean-Mean0)/Std0
II-6/L6	7	620.000	616.000	88.571	0.027
II-6/L7	9	872.000	792.000	96.889	0.537
Rodafnidia	34	2597.00	2992.00	76.382	-1.488

Kruskal-Wallis Test, ChiSquare Approximation

ChiSquare	DF	Prob>ChiSq
22.4769	9	0.0075*

Nonparametric Comparisons For Each Pair Using Wilcoxon Method

q*	Alpha
1.95996	0.05

Level	- Level	Score Mean Difference	Std Err Dif	Z	p-Value	Hodges-Lehmann	Lower CL	Upper CL
II-6/L7	II-6/L4b	5.5111	2.981424	1.84848	0.0645	21.5550	-1.7834	48.6776
Rodafnidia	II-6/L4b	4.7559	4.428997	1.07381	0.2829	8.8647	-7.3558	27.6598
II-6/L7	II-6/L4	4.6019	6.599663	0.69729	0.4856	7.0877	-14.3318	29.2969
II-6/L6	II-6/L4b	3.1429	2.972359	1.05736	0.2903	16.8961	-10.9518	47.5805
II-6/L7	II-6/L5	1.2698	2.399294	0.52926	0.5966	13.0379	-35.4012	47.1120
II-6/L5	II-6/L4b	1.2571	2.972359	0.42294	0.6723	14.4746	-16.9651	48.1233
II-6/L7	II-6/L6	1.0159	2.399294	0.42340	0.6720	5.3804	-34.6263	41.7378
II-6/L7	II-6/L2	0.9500	2.585573	0.36742	0.7133	4.8831	-23.8088	37.4524
II-6/L6	II-6/L4	0.7262	7.131636	0.10183	0.9189	1.1964	-22.5840	29.0013
II-6/L3	II-6/L2	0.6682	2.711088	0.24646	0.8053	5.2888	-23.7946	29.0048
II-6/L6	II-6/L2	0.6071	2.488545	0.24398	0.8073	2.3702	-32.5105	33.0516
II-6/L6	II-6/L5	0.5714	2.236068	0.25555	0.7983	2.3440	-49.8941	54.9881
Rodafnidia	II-6/L5	0.4307	4.971980	0.08662	0.9310	0.8070	-37.1350	30.4606
II-6/L7	II-6/L3	0.2020	2.659080	0.07597	0.9394	3.2167	-26.9465	35.9590
II-6/L5	II-6/L2	0.0000	2.488545	0.00000	1.0000	0.4876	-40.7696	36.0781
II-6/L6	II-6/L3	0.0000	2.581150	0.00000	1.0000	0.2490	-35.4200	27.4144
II-6/L5	II-6/L3	-0.4675	2.581150	-0.18113	0.8563	-2.5170	-44.8696	32.9132
II-6/L7	II-6/L1	-1.1611	2.585573	-0.44907	0.6534	-6.3463	-29.2194	26.4956
II-6/L5	II-6/L1	-1.3357	2.488545	-0.53675	0.5914	-9.2557	-45.9714	24.2952
II-6/L6	II-6/L1	-1.3357	2.488545	-0.53675	0.5914	-9.1639	-38.6794	23.4230
II-6/L5	II-6/L4	-1.5331	7.131636	-0.21497	0.8298	-2.2560	-29.8469	30.8424
II-6/L4	II-6/L2	-1.6000	6.409869	-0.24962	0.8029	-2.9989	-21.2626	18.2513
II-6/L3	II-6/L1	-1.8136	2.711088	-0.66897	0.5035	-4.3607	-36.2438	17.0927
II-6/L2	II-6/L1	-2.5000	2.645751	-0.94491	0.3447	-8.9173	-33.9193	11.0749
Rodafnidia	II-6/L6	-2.6702	4.971980	-0.53704	0.5912	-5.8540	-34.7053	22.1465
Rodafnidia	II-6/L2	-2.7824	4.620924	-0.60212	0.5471	-7.7017	-28.5538	16.7944
Rodafnidia	II-6/L4	-3.5708	5.593076	-0.63843	0.5232	-4.7337	-16.9253	7.9380
II-6/L4	II-6/L3	-3.8847	6.254628	-0.62109	0.5345	-6.3968	-25.7087	15.7558
II-6/L4b	II-6/L2	-4.2500	3.004626	-1.41449	0.1572	-17.4672	-37.0935	6.2423
Rodafnidia	II-6/L3	-4.2714	4.555804	-0.93757	0.3485	-9.6678	-31.6713	11.3038
II-6/L4b	II-6/L3	-5.0424	3.036146	-1.66080	0.0968	-22.1225	-43.5145	6.1452
Rodafnidia	II-6/L7	-5.2696	4.706992	-1.11953	0.2629	-11.0371	-35.5921	10.6339
II-6/L5	Area C	-5.4563	3.278316	-1.66438	0.0960	-30.2510	-61.6891	4.5612

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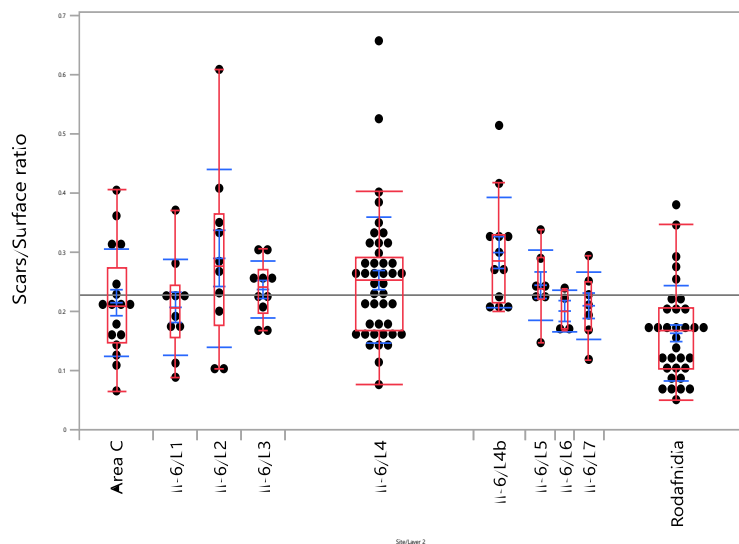
Level	- Level	Score Mean Difference	Std Err Dif	Z	p-Value	Hodges-Lehmann	Lower CL	Upper CL
II-6/L6	Area C	-5.4563	3.278316	-1.66438	0.0960	-27.1071	-53.7537	4.1075
II-6/L1	Area C	-5.5222	3.244368	-1.70209	0.0887	-15.9668	-38.2145	1.9077
II-6/L7	Area C	-5.9167	3.240370	-1.82592	0.0679	-22.8434	-45.3731	3.6832
II-6/L3	Area C	-6.9571	3.258633	-2.13497	0.0328*	-22.1392	-48.3636	-0.4236
II-6/L4b	II-6/L1	-7.5833	3.004626	-2.52389	0.0116*	-27.4179	-45.3662	-7.1356
II-6/L2	Area C	-7.8556	3.244368	-2.42129	0.0155*	-27.0476	-51.6146	-4.9267
Rodafnidia	II-6/L1	-9.2529	4.620924	-2.00240	0.0452*	-19.0349	-37.0382	-0.6661
II-6/L4	II-6/L1	-9.3037	6.409869	-1.45147	0.1467	-13.8463	-29.6424	4.9044
II-6/L4b	II-6/L4	-11.0315	5.855513	-1.88395	0.0596	-13.6480	-30.0421	0.9371
II-6/L4b	Area C	-12.6500	3.380500	-3.74205	0.0002*	-43.9785	-63.7739	-25.6502
Rodafnidia	Area C	-16.0163	4.417484	-3.62567	0.0003*	-33.2220	-49.1684	-16.3566
II-6/L4	Area C	-19.2222	5.696002	-3.37469	0.0007*	-29.4044	-43.7619	-14.4973

Connecting Letters Report

Level	
Area C	A
II-6/L1	A B
II-6/L2	B C
II-6/L3	B C
II-6/L4	B C
II-6/L4b	C
II-6/L5	A B C
II-6/L6	A B C
II-6/L7	A B C
Rodafnidia	C

Levels not connected by same letter are significantly different.

Oneway Analysis of Scars/Surface ratio By Site/Layer 2



Means and Std Deviations

Level	Number	Mean	Std Dev	Std Err Mean	Lower 95%	Upper 95%
Area C	17	0.2146208	0.0906159	0.0219776	0.1680304	0.2612112
II-6/L1	10	0.2067995	0.0810135	0.0256187	0.1488459	0.264753
II-6/L2	10	0.2895339	0.150233	0.0475079	0.1820637	0.3970041
II-6/L3	10	0.2369675	0.0481231	0.0152179	0.2025423	0.2713927
II-6/L4	43	0.2528408	0.106385	0.0162236	0.2201004	0.2855813
II-6/L4b	12	0.2993684	0.0931626	0.0268937	0.2401757	0.3585611
II-6/L5	7	0.2441994	0.0593396	0.0224283	0.1893195	0.2990794
II-6/L6	4	0.2005881	0.0351666	0.0175833	0.1446302	0.2565461
II-6/L7	7	0.2094859	0.0568591	0.0214907	0.1569	0.2620718
Rodafnidia	33	0.1629745	0.0805333	0.014019	0.1344187	0.1915304

Wilcoxon / Kruskal-Wallis Tests (Rank Sums)

Level	Count	Score Sum	Expected Score	Score Mean	(Mean-Mean0)/Std0
Area C	17	1195.00	1309.00	70.294	-0.659
II-6/L1	10	699.000	770.000	69.900	-0.520
II-6/L2	10	980.000	770.000	98.000	1.546
II-6/L3	10	877.000	770.000	87.700	0.786
II-6/L4	43	3781.00	3311.00	87.930	1.906
II-6/L4b	12	1321.00	924.000	110.083	2.691
II-6/L5	7	645.000	539.000	92.143	0.921
II-6/L6	4	269.000	308.000	67.250	-0.440
II-6/L7	7	501.000	539.000	71.571	-0.327
Rodafnidia	33	1513.00	2541.00	45.848	-4.558

Kruskal-Wallis Test, ChiSquare Approximation

ChiSquare	DF	Prob>ChiSq
30.2064	9	0.0004*

Nonparametric Comparisons For Each Pair Using Wilcoxon Method

q*	Alpha
1.95996	0.05

Level	- Level	Score Mean Difference	Std Err Dif	Z	p-Value	Hodges-Leh mann	Lower CL	Upper CL
II-6/L4b	II-6/L4	8.6870	5.230476	1.66085	0.0967	0.047889	-0.008275	0.107624
II-6/L4b	Area C	7.0368	3.210354	2.19190	0.0284*	0.082065	0.006832	0.150894
II-6/L4	Area C	6.9767	5.003419	1.39440	0.1632	0.036342	-0.020505	0.085812
II-6/L4	II-6/L1	6.3477	5.421855	1.17076	0.2417	0.039523	-0.020803	0.099643
II-6/L4b	II-6/L1	5.7750	2.780388	2.07705	0.0378*	0.094004	0.014092	0.159784

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Level	- Level	Score Mean Difference	Std Err Dif	Z	p-Value	Hodges-Lehmann	Lower CL	Upper CL
II-6/L4b	II-6/L3	4.4917	2.780388	1.61548	0.1062	0.045859	-0.011929	0.113571
II-6/L2	Area C	4.0500	3.163208	1.28035	0.2004	0.065175	-0.033420	0.171694
II-6/L5	Area C	4.0336	3.175537	1.27021	0.2040	0.029598	-0.060505	0.111187
II-6/L3	Area C	3.7324	3.163208	1.17993	0.2380	0.033920	-0.042686	0.091751
II-6/L2	II-6/L1	3.7000	2.645751	1.39847	0.1620	0.065962	-0.034169	0.181904
II-6/L5	II-6/L1	3.0357	2.488545	1.21988	0.2225	0.045985	-0.039471	0.121398
II-6/L3	II-6/L1	2.9000	2.645751	1.09610	0.2730	0.033658	-0.026019	0.091706
II-6/L4	II-6/L3	1.2942	5.421855	0.23870	0.8113	0.003301	-0.045936	0.056245
II-6/L7	II-6/L1	0.8500	2.488545	0.34157	0.7327	0.006924	-0.070178	0.081631
II-6/L7	II-6/L6	0.5893	2.078805	0.28347	0.7768	0.009092	-0.068322	0.083114
II-6/L6	Area C	0.4632	3.448145	0.13434	0.8931	0.005477	-0.135796	0.078686
II-6/L4b	II-6/L2	0.4583	2.780388	0.16485	0.8691	0.009874	-0.083795	0.120680
II-6/L7	Area C	0.4034	3.175537	0.12702	0.8989	0.006797	-0.086718	0.074927
II-6/L1	Area C	0.3971	3.163208	0.12552	0.9001	0.003319	-0.084154	0.062547
II-6/L5	II-6/L3	0.1214	2.488545	0.04880	0.9611	0.004584	-0.060220	0.070545
II-6/L5	II-6/L4	0.0000	5.941296	0.00000	1.0000	-0.000060	-0.063737	0.069447
II-6/L6	II-6/L1	-0.1750	2.474874	-0.07071	0.9436	-0.000130	-0.112989	0.084200
II-6/L5	II-6/L2	-1.3357	2.488545	-0.53675	0.5914	-0.038007	-0.159820	0.106700
II-6/L5	II-6/L4b	-2.1488	2.676322	-0.80290	0.4220	-0.045934	-0.125118	0.025287
II-6/L7	II-6/L5	-2.2857	2.236068	-1.02220	0.3067	-0.035432	-0.118300	0.047064
II-6/L3	II-6/L2	-2.5000	2.645751	-0.94491	0.3447	-0.038312	-0.142796	0.064531
II-6/L7	II-6/L3	-2.5500	2.488545	-1.02470	0.3055	-0.028188	-0.091377	0.039132
II-6/L6	II-6/L5	-2.5536	2.078805	-1.22838	0.2193	-0.052168	-0.121551	0.025709
II-6/L6	II-6/L3	-2.6250	2.474874	-1.06066	0.2888	-0.035043	-0.091859	0.029543
II-6/L6	II-6/L2	-2.9750	2.474874	-1.20208	0.2293	-0.079726	-0.239861	0.071145
II-6/L7	II-6/L2	-3.0357	2.488545	-1.21988	0.2225	-0.068057	-0.181575	0.063093
II-6/L4	II-6/L2	-4.3756	5.421855	-0.80703	0.4197	-0.030388	-0.116995	0.055146
II-6/L6	II-6/L4b	-5.1667	2.748737	-1.87965	0.0602	-0.092337	-0.191734	0.012006
II-6/L7	II-6/L4b	-5.9940	2.676322	-2.23966	0.0251*	-0.078643	-0.161863	-0.005581
II-6/L7	II-6/L4	-6.1462	5.941296	-1.03448	0.3009	-0.033743	-0.095977	0.033284
II-6/L6	II-6/L4	-6.6948	7.167433	-0.93405	0.3503	-0.042187	-0.118155	0.032568
Rodafnidia	II-6/L6	-7.4280	5.730809	-1.29616	0.1949	-0.053163	-0.115341	0.034426
Rodafnidia	II-6/L1	-7.7530	4.532598	-1.71050	0.0872	-0.050571	-0.107999	0.006993
Rodafnidia	II-6/L7	-8.6580	4.864692	-1.77977	0.0751	-0.055155	-0.117319	0.006664
Rodafnidia	Area C	-8.8235	4.351941	-2.02749	0.0426*	-0.049175	-0.103144	-0.001576
Rodafnidia	II-6/L2	-11.7924	4.532598	-2.60169	0.0093*	-0.120043	-0.201048	-0.030168
Rodafnidia	II-6/L5	-12.4675	4.864692	-2.56286	0.0104*	-0.085347	-0.151179	-0.027915
Rodafnidia	II-6/L3	-12.8348	4.532598	-2.83168	0.0046*	-0.085180	-0.132133	-0.034271
Rodafnidia	II-6/L4b	-17.2159	4.427445	-3.88845	0.0001*	-0.131915	-0.192049	-0.081477
Rodafnidia	II-6/L4	-20.1381	5.110662	-3.94041	<.0001*	-0.085967	-0.121386	-0.047523

Connecting Letters Report

Level	
Area C	A
II-6/L1	A B
II-6/L2	A C
II-6/L3	A C
II-6/L4	A C
II-6/L4b	C

Herzlinger and Galanidou. The Acheulean Large Cutting Tool assemblage from Rodafnidia, Lesvos: A 3D morpho-technological cross-regional comparative analysis. ESM 11

Level			
II-6/L5	A		C
II-6/L6	A	B	C
II-6/L7	A	B	
Rodafnidia		B	

Levels not connected by same letter are significantly different.

Missing Rows22