

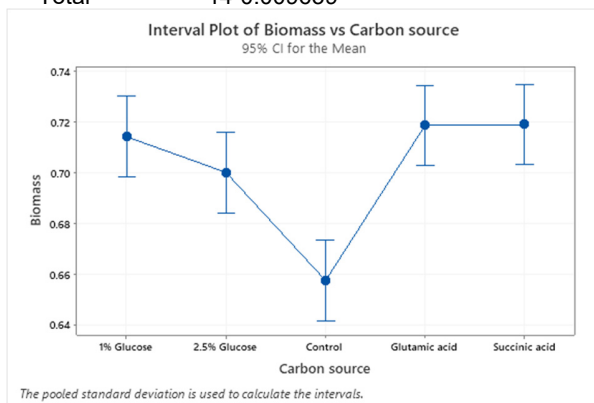
S1. Detailed statistical analysis of carotenoid effect on pigment production at 120 h of culture.

*Haloarcula* sp. M1

BIOMASS

### Analysis of Variance

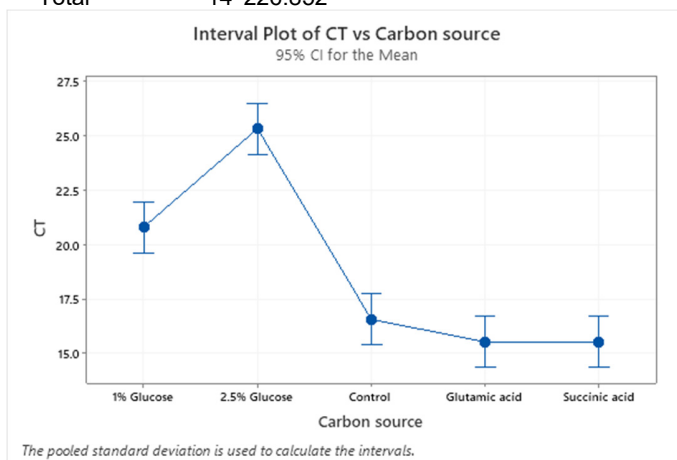
Source	DF	Adj SS	Adj MS	F-Value	P-Value
Carbon source	4	0.008116	0.002029	13.32	0.001
Error	10	0.001523	0.000152		
Total	14	0.009639			



CAROTENOIDS

### Analysis of Variance

Source	DF	Adj SS	Adj MS	F-Value	P-Value
Carbon source	4	218.615	54.6537	66.35	0.0000004
Error	10	8.237	0.8237		
Total	14	226.852			

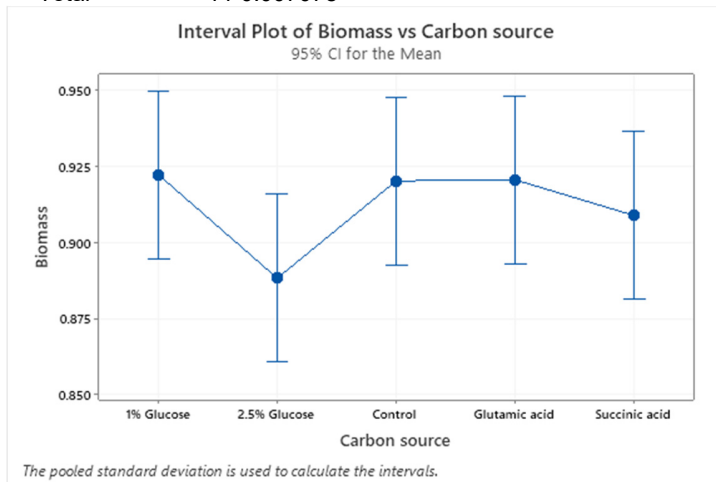


Halolamina sp. M3

## BIOMASS

### Analysis of Variance

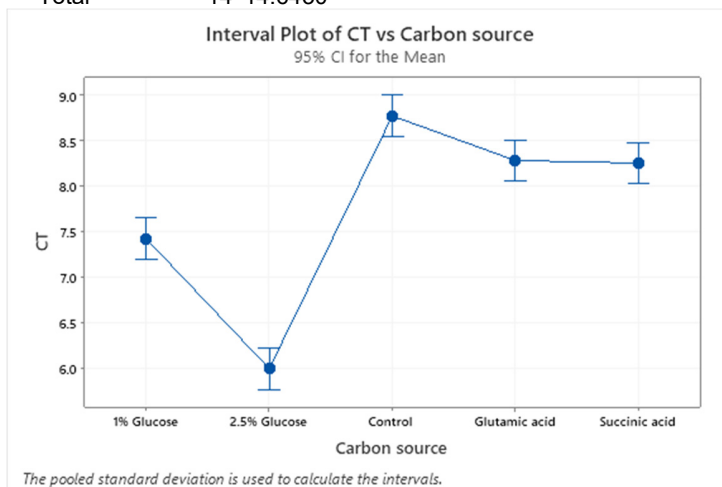
Source	DF	Adj SS	Adj MS	F-Value	P-Value
Carbon source	4	0.002465	0.000616	1.34	0.322
Error	10	0.004614	0.000461		
Total	14	0.007078			



## CAROTENOIDS

### Analysis of Variance

Source	DF	Adj SS	Adj MS	F-Value	P-Value
Carbon source	4	14.3318	3.58296	115.15	0.00000003
Error	10	0.3111	0.03111		
Total	14	14.6430			

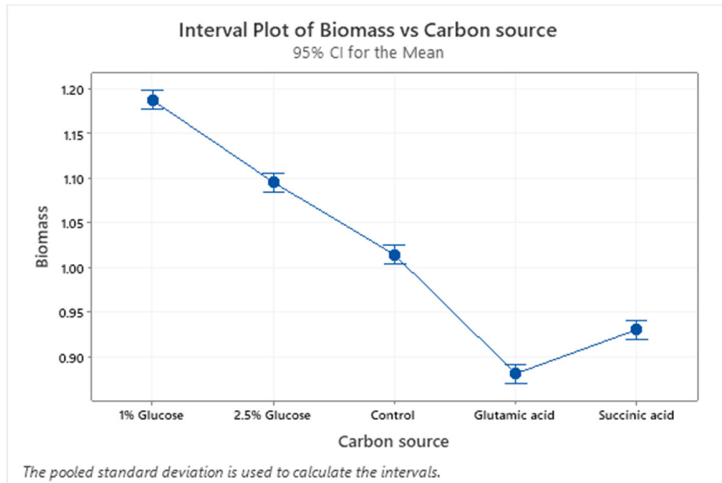


*Halorubrum* sp. M5

BIOMASS

### Analysis of Variance

Source	DF	Adj SS	Adj MS	F-Value	P-Value
Carbon source	4	0.183412	0.045853	691.68	0.000000000004
Error	10	0.000663	0.000066		
Total	14	0.184075			



CAROTENOIDS

### Analysis of Variance

Source	DF	Adj SS	Adj MS	F-Value	P-Value
Carbon source	4	142.051	35.5127	121.31	0.00000002
Error	10	2.928	0.2928		
Total	14	144.978			

