Table 5. Model selection table for the GLM assessing trends in oyster cultch mass from subtidal reefs restored using different materials, at different densities, over time, and with different levels of live oyster spat in Apalachicola Bay. The predicted response is mass of cultch per ¼ m2 quadrat. AICc and delta AICc provided to inform comparisons of the model statistical fit to the data. Period = a continuous variable which describes time (one-half year, summer or winter); project = a categorical variable identifying type and density of cultch; site = the location where the sampling occurred.

| Model | Degrees of freedom | AICc | Delta AICc | AICc Weight |
| --- | --- | --- | --- | --- |
| Tmb5.nospat: Roundwt ~ Period + Project + (Period | SP) + Period:Project + offset(log(Num\_quads)) | 12 | 1277.18 | 0.00 | 0.44 |
| tmb3 Roundwt ~ (1 | SP) + Spat\_sum + Period + Project + Period:Project + offset(log(Num\_quads)) | 11 | 1278.26 | 1.08 | 0.26 |
| tmb5: Roundwt ~ Spat\_sum + Period + Project + (Period | SP) + Period:Project + offset(log(Num\_quads)) | 13 | 1279.48 | 2.30 | 0.14 |
| tmb6: Roundwt ~ Spat\_sum + Period + Project + (Period | SP) + Period:Project + offset(log(Num\_quads)) includes unique dispersion parameter for each project | 16 | 1280.20 | 3.02 | 0.10 |
| tmb5x: Roundwt ~ Period + Project + (Period | SP) + Period:Project + Spat\_sum:Project + offset(log(Num\_quads)) | 16 | 1280.98 | 3.80 | 0.07 |
| tmb4: Roundwt ~ (1 | SP) + Project + offset(log(Num\_quads)) | 6 | 1304.35 | 27.16 | 0.00 |
| tmb1: Roundwt ~ (1 | SP) + Spat\_sum + Period + offset(log(Num\_quads)) | 5 | 1307.31 | 30.13 | 0.00 |
| tmb00: Roundwt ~ (1 | SP) + Spat\_sum + offset(log(Num\_quads)) | 4 | 1309.96 | 32.78 | 0.00 |
| tmb0: Roundwt ~ (1 | SP) + offset(log(Num\_quads)) | 3 | 1312.55 | 35.37 | 0.00 |