Table 3. Model selection table for the GLM of oyster count data from subtidal reefs restored using different materials, at different densities, and at different times in Apalachicola Bay. The predicted response is number of spat per ¼ m2 quadrat. AICcc and delta AICcc 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 | k | AICc | Delta AICc | AICc Weight |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
| tmb 5: Sum\_spat ~ Period + Project + (Period | Site) + Period:Project + offset(log(Num\_quads)) | 12 | 1875.69 | 0.00 | 0.65 |
| tmb 6: Sum\_spat ~ Period + Project + (Period | SP) + Period:Project + offset(log(Num\_quads)) includes unique dispersion parameter for each Project | 15 | 1877.45 | 1.76 | 0.27 |
| tmb7: Sum\_spat ~ (1 | SP) + Period + Project + (0 + Period | SP) + Period:Project + offset(log(Num\_quads)) | 14 | 1881.26 | 5.57 | 0.04 |
| tmb 3: Sum\_spat ~ (1 | Site) + Period + Project + Period:Project + offset(log(Num\_quads)) | 10 | 1881.68 | 5.99 | 0.03 |
| tmb 2: Sum\_spat ~ (1 | Site) + Period + Project + offset(log(Num\_quads)) | 7 | 1895.31 | 19.62 | 0.00 |
| tmb 4: Sum\_spat ~ (1 | Site) + Project + offset(log(Num\_quads)) | 6 | 1900.31 | 24.62 | 0.00 |
| tmb 1: Sum\_spat ~ (1 | Site) + Period + offset(log(Num\_quads)) | 4 | 1921.95 | 46.26 | 0.00 |
| tmb0: Sum\_spat ~ (1 | Site) + offset(log(Num\_quads)) | 3 | 1923.32 | 47.63 | 0.00 |