Table 5. Model selection table for the GLM assessing patterns in oyster cultch biomass from subtidal reefs in three bays in the Florida panhandle. The predicted response is biomass of cultch (kg) per ¼ m2 quadrat. AICcc and delta AICcc are 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); bay = Pensacola, East (St. Andrew), or Apalachicola bay.

| Model | Degrees of freedom | AICcc | Delta AICcc | AICcc Weight |
| --- | --- | --- | --- | --- |
| tmb 3: Round\_wt ~ (1 | Site) + Period + Bay + Period:Bay + offset(log(Num\_quads)) | 8 | 2055.4 | 0.00 | 0.56 |
| tmb 2: Round\_wt ~ (1 | Site) + Period + Bay + offset(log(Num\_quads)) | 6 | 2058.54 | 3.11 | 0.12 |
| tmb 1: Round\_wt ~ (1 | Site) + Period + offset(log(Num\_quads)) | 4 | 2058.54 | 3.11 | 0.12 |
| tmb0: Round\_wt ~ (1 | Site) + offset(log(Num\_quads)) | 3 | 2058.66 | 3.22 | 0.11 |
| tmb 4: Round\_wt ~ (1 | Site) + Bay + offset(log(Num\_quads)) | 5 | 2058.90 | 3.46 | 0.10 |
| tmb 5: Round\_wt ~ Period + Bay + (Period | Site) + Period:Bay + offset(log(Num\_quads)) | Did not converge |  |  |  |
| tmb 6: Round\_wt ~ Period + Bay + (Period | SP) + Period:Bay + offset(log(Num\_quads)) includes unique dispersion parameter for each Bay | Did not converge |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |