**Table S4.** Results of 2-way PERMANOVA analyses based on Euclidian distances for the number of species. Pair-wise comparisons using permutations of the *t*-statistic for the factor Site and Site\*BA (Before/After) effects are also indicated

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Permanova** | **df** | **SS** | **MS** | **Pseudo\_F** | **P** | **Pair-wise** |
| Site | 3 | 998.05 | 332.68 | 34.416 | 0.0001 | Carall Bernat ≠ Tascó Petit t=4.3292, p<0.0001Carall Bernat ≠ Medallot t=4.7922, p<0.001Carall Bernat ≠ Pta Salines t=6.5, p<0.001Tascó Petit = Medallot t=0.108 ; p=>0.05Tascó Petit ≠ Pta Salines t=8.2, p<0.0001Medallot ≠ Pta Salines t=9.9, p<0.0001 |
| Before/After | 1 | 34.77 | 34.77 | 0.445 | 0.581 |  |
| Site\*BA | 3 | 258.41 | 86.13 | 8.910 | 0.0001 | Carall Before ≠ Carall Aftert=5.995; p<0.0009Tascó Petit Before = Tascó Petit Aftert=1.145; p>0.05Medallot Before = Medallot Aftert=0.553; p>0.05Punta Salines Before = Punta Salines Aftert=1.25; p>0.05 |
| Residual | 43 | 415.67 | 9.66 |  |  |  |
|  |  |  |  |  |  |  |