|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **df** | **SS** | **F/H** | **p** | ***post hoc* tests** |
| **Corals** |  |  |  |  |  |
| Net productionb | 3 | / | 26,97 | \*\*\* | non-upwelling she > upwelling she (\*\*)  upwelling exp > upwelling she (\*\*\*) |
| Gross productionb | 3 | / | 33,56 | \*\*\* | non-upwelling exp > non-upwelling she (\*)  upwelling exp > upwelling she (\*\*\*)  non-upwelling she > upwelling she (\*) |
| **Macroalgae** |  |  |  |  |  |
| Net production | 2 | 4918.00 | 110,8 | \*\*\* | upwelling she > upwelling exp (\*\*\*)  upwelling she > non-upwelling she (\*\*\*) |
| Residuals | 11 | 244.20 |  |  |  |
| Gross production | 2 | 3911.00 | 34,27 | \*\*\* | upwelling she > upwelling exp (\*\*\*)  upwelling she > non-upwelling she (\*\*\*) |
| Residuals | 11 | 627.70 |  |  |  |
| **Algal turfs** |  |  |  |  |  |
| Net production | 3 | 296.00 | 7,731 | \* | upwelling exp > non-upwelling exp (\*) |
| Residuals | 19 | 418.40 |  |  |  |
| Gross productionb | 3 | / | 8.82 | \* | non-upwelling she > non-upwelling exp (\*) |
| **CCA** |  |  |  |  |  |
| Net productiona | 3 | 2.28 | 35,78 | \*\*\* | non-upwelling exp > non-upwelling she (\*\*)  non-upwelling exp > upwelling exp (\*\*\*)  non- upwelling she > upwelling she (\*\*\*)  upwelling exp > upwelling she (\*\*) |
| Residuals | 19 | 0.43 |  |  |  |
| Gross productiona | 3 | 2.51 | 54.26 | \*\*\* | non-upwelling exp > non-upwelling she (\*\*\*)  non-upwelling exp > upwelling exp (\*\*\*)  non- upwelling she > upwelling she (\*\*\*)  upwelling exp > upwelling she (\*\*) |
| Residuals | 19 | 0.31 |  |  |  |
| **Microphytobenthos** |  |  |  |  |  |
| Net productionb | 3 | / | 0.16 | 0.92 |  |
| Residuals | 14 | / |  |  |  |
| Gross productionb | 3 | / | 9.21 | 0.07 |  |
| Residuals | 14 | / |  |  |  |