Tabla S1. Porcentaje de disimilitud de los ensambles de peces costeros entre años.

*Table S1. Percentage of dissimilarity of coastal fish assemblages among years.*

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1994 | 1995 | 1998 | 1999 | 2000 | 2003 | 2005 | 2008 | 2011 | 2012 |
| 1994 | - |  |  |  |  |  |  |  |  |  |
| 1995 | 79 | - |  |  |  |  |  |  |  |  |
| 1998 | 78 | 81 | - |  |  |  |  |  |  |  |
| 1999 | 82 | 86 | 80 | - |  |  |  |  |  |  |
| 2000 | 79 | 82 | 77 | 80 | - |  |  |  |  |  |
| 2003 | 82 | 83 | 78 | 80 | 79 | - |  |  |  |  |
| 2005 | 83 | 87 | 82 | 81 | 81 | 80 | - |  |  |  |
| 2008 | 89 | 91 | 89 | 87 | 88 | 88 | 88 | - |  |  |
| 2011 | 81 | 83 | 79 | 82 | 79 | 81 | 83 | 90 | - |  |
| 2012 | 84 | 87 | 82 | 82 | 82 | 81 | 82 | 88 | 82 | - |

Tabla S2. Estadística básica de las variables analizadas. Valores expresados en media ± desvío estándar (DE).

*Table S2. Basic statistics of analyzed variables. Values expressed as mean ± standard deviation (DE).*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Tipo | Variable | Descripción | Media ± DE | Rango  (mín.-máx.) |
|  |  |  |  |  |
| Respuesta | DENS | Densidad | 25,82 ± 31,18 | 0,14; 312,99 |
|  | S | Riqueza | 12,28 ± 4,10 | 2,00; 26,00 |
|  |  |  |  |  |
| Predictora | TMP | Temperatura de fondo | 14,98 ± 2,20 | 9,33; 19,79 |
|  | SAL | Salinidad de fondo | 33,71 ± 0,44 | 30,98; 34,48 |
|  | PHI | Estratificación | 7,10 ± 9,47 | 0,00; 53,20 |
|  | PRF | Profundidad | 29,85 ± 11,42 | 7,00; 55,50 |
|  | LAT | Latitud | -39,93 ± 0,75 | -41,68; -38,81 |
|  | LON | Longitud | -61,11 ± 0,80 | -62,97; -58,72 |

Tabla S3. Tabla ANOVA de los modelos seleccionados de densidad y riqueza de peces costeros. Suma de cuadrados tipo III. Nivel de significación a = 0,05.

*Table S3. ANOVA table of selected coastal fish density and richness models. Sum of squares type III. Significance level a = 0.05.*

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Modelo Densidad | | | | |  | Modelo Riqueza | | | | |
| Var. Exp. |  | SC | gl | F | Valor p | IR\*% |  | SC | gl | F | Valor p | IR\*% |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| AÑO |  | 38,09 | 8 | 4,05 | **0,0001** | 63,85 |  | 66,9 | 8 | 3,04 | **0,0024** | 73,22 |
| EST |  | 28,46 | 4 | 6,05 | **< 0,0001** | 10,17 |  | 99,35 | 4 | 9,04 | **< 0,0001** | 7,21 |
| TEMP |  | 39,35 | 1 | 33,46 | **< 0,0001** | 5,3 |  | 30,58 | 1 | 11,13 | **0,0009** | 5,39 |
| SAL |  | 5,35 | 1 | 4,55 | **0,0334** | 5,18 |  | 9,41 | 1 | 3,42 | 0,0649 | 0,23 |
| BCPHI |  | 5,81 | 1 | 4,94 | **0,0267** | 2,52 |  | - | - | **-** | **-** | - |
| AÑO ⨯ TMP |  | 31,75 | 8 | 3,37 | **0,0009** | 6,93 |  | 80,92 | 8 | 3,68 | **0,0003** | 6,97 |
| AÑO ⨯ SAL |  | - | - | - | - | - |  | 75,46 | 8 | 3,43 | **0,0007** | 6,99 |
| AÑO ⨯ BCPHI |  | 26,35 | 8 | 2,8 | **0,0048** | 6,05 |  | - | - | - | - | - |

(\*) Índice de Importancia Relativa (IR) en %. Se utilizó la notación BCPHI para indicar la transformación Box-Cox

sobre la variable PHI.

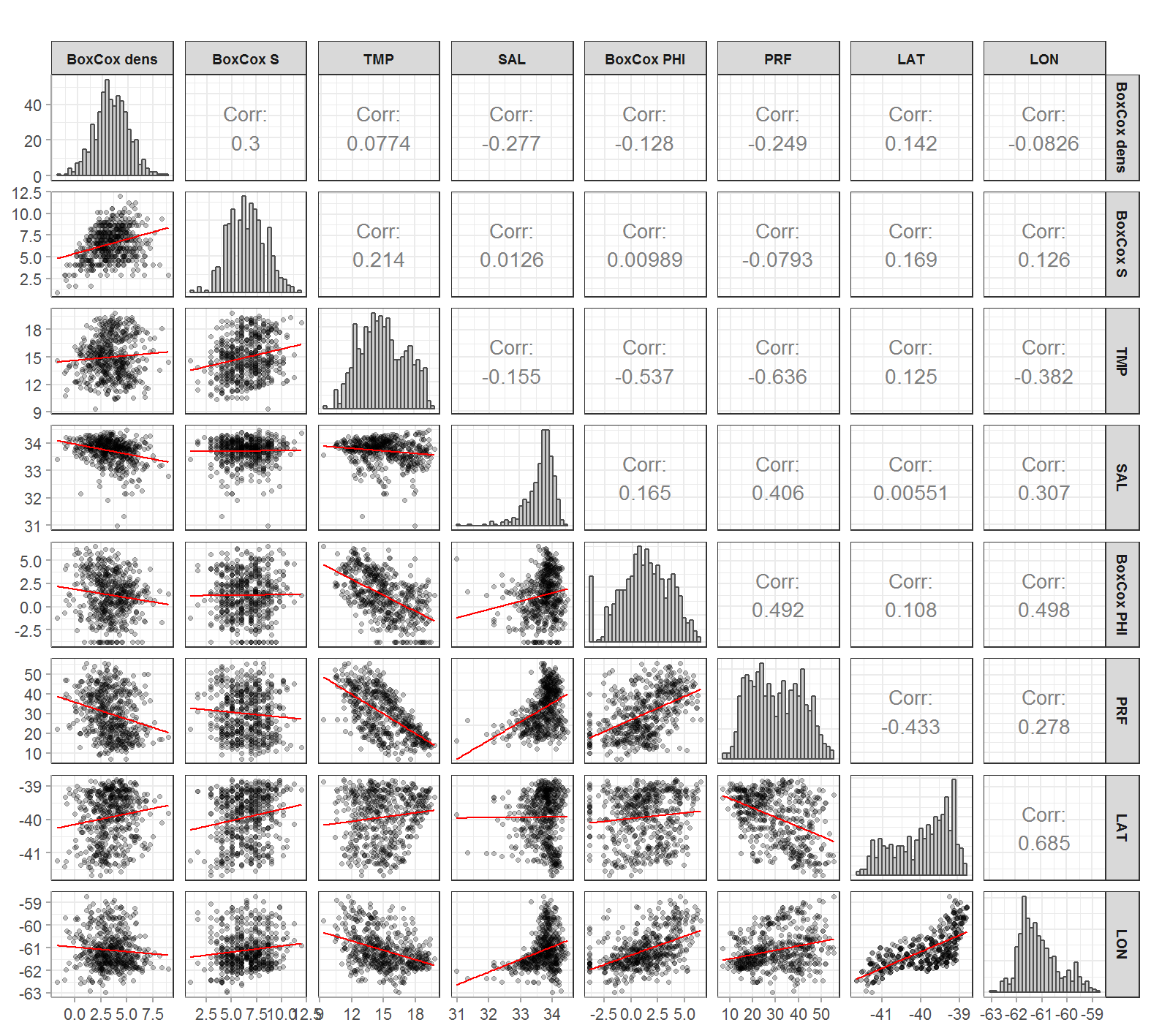


Figura S1. Diagramas de dispersión de pares de variables con rectas de regresión lineal de mejor ajuste mínimo cuadrático. Variables biológicas con transformación Box-Cox y variables explicativas (en este último solo PHI se consideró con transformación Box-Cox). Período 1994-2012.

*Figure S1. Scatter diagrams of pairs of variables with linear regression lines of best fit least squares. Biological variables with Box-Cox transformation and explanatory variables (in the latter only PHI was considered with Box-Cox transformation). 1994-2012 period.*