**Table S1. Basic Properties of Original Species Food Webs**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | *S* | *L* | *L/S* | *C* | *Cadj* | *S*Free | *S*Par | *S*Bas |
| FalsFree | 119 | 1077 | 9.05 | 0.076 |  | 1.00 | 0.00 | 0.14 |
| FalsPar | 171 | 2234 | 13.06 | 0.076 | 0.110 | 0.70 | 0.30 | 0.10 |
| FalsParCon | 171 | 3720 | 21.75 | 0.127 |  | 0.70 | 0.30 | 0.10 |
| CarpFree | 107 | 970 | 9.07 | 0.085 |  | 1.00 | 0.00 | 0.11 |
| CarpPar | 165 | 2187 | 13.25 | 0.080 | 0.124 | 0.65 | 0.35 | 0.07 |
| CarpParCon | 165 | 3708 | 22.47 | 0.136 |  | 0.65 | 0.35 | 0.07 |
| PuntFree | 138 | 1657 | 12.01 | 0.087 |  | 1.00 | 0.00 | 0.10 |
| PuntPar | 214 | 3334 | 15.58 | 0.073 | 0.113 | 0.64 | 0.36 | 0.07 |
| PuntParCon | 214 | 5653 | 26.42 | 0.123 |  | 0.64 | 0.36 | 0.07 |
| FlensFree | 77 | 579 | 7.52 | 0.098 |  | 1.00 | 0.00 | 0.08 |
| FlensPar | 123 | 968 | 7.87 | 0.064 | 0.102 | 0.63 | 0.37 | 0.05 |
| FlensParCon | 123 | 1406 | 11.43 | 0.093 |  | 0.63 | 0.37 | 0.05 |
| OtagFree | 123 | 1206 | 9.80 | 0.080 |  | 1.00 | 0.00 | 0.02 |
| OtagPar | 142 | 1487 | 10.47 | 0.074 | 0.085 | 0.87 | 0.13 | 0.02 |
| OtagParCon | 142 | 1844 | 12.99 | 0.091 |  | 0.87 | 0.13 | 0.02 |
| SyltFree | 126 | 1052 | 8.35 | 0.066 |  | 1.00 | 0.00 | 0.05 |
| SyltPar | 161 | 1950 | 12.11 | 0.075 | 0.096 | 0.78 | 0.22 | 0.04 |
| SyltParCon | 161 | 3005 | 18.66 | 0.116 |  | 0.78 | 0.22 | 0.04 |
| YthanFree | 91 | 420 | 4.62 | 0.051 |  | 1.00 | 0.00 | 0.04 |
| YthanPar | 133 | 597 | 4.49 | 0.034 | 0.049 | 0.68 | 0.32 | 0.03 |
| YthanParCon | 133 | 1391 | 10.46 | 0.079 |  | 0.68 | 0.32 | 0.03 |