|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Centrality index** | **First** | **Second** | **Third** | **Fourth** | **Fifth** | **Sixth** |
| **DC** | 0.74-0.79 | 0.71-0.75 | 0.62-0.73 | 0.37-0.47 | 0.36-0.47 | 0.08-0.14 |
| **WDC** | 0.92-0.94 | 0.83-0.86 | 0.76-0.84 | 0.56-0.70 | 0.54-0.61 | 0.23-0.31 |
| **CC** | 0.73-0.77 | 0.69-0.75 | 0.63-0.70 | 0.36-0.45 | 0.34-0.45 | 0.03-0.09 |
| **BC** | 0.74-0.79 | 0.68-0.75 | 0.68-0.74 | 0.40-0.50 | 0.28-0.41 | 0.00-0.00 |
| **s** | 0.92-0.96 | 0.84-0.89 | 0.81-0.86 | 0.74-0.81 | 0.72-0.78 | 0.16-0.28 |
| **cs** | 0.87-0.90 | 0.84-0.90 | 0.86-0.89 | 0.75-0.79 | 0.64-0.72 | 0.22-0.33 |
| **ns** | 0.88-0.92 | 0.84-0.87 | 0.82-0.87 | 0.74-0.79 | 0.66-0.76 | 0.17-0.28 |
| **K** | 0.70-0.73 | 0.68-0.73 | 0.52-0.66 | 0.27-0.36 | 0.20-0.35 | 0.02-0.07 |
| **Kbu** | 0.90-0.92 | 0.83-0.87 | 0.72-0.82 | 0.71-0.76 | 0.68-0.78 | 0.15-0.23 |
| **Ktd** | 0.79-0.82 | 0.79-0.82 | 0.72-0.80 | 0.66-0.72 | 0.47-0.58 | 0.20-0.28 |
| **Kdir** | 0.65-0.69 | 0.63-0.67 | 0.50-0.60 | 0.19-0.34 | 0.16-0.29 | 0.02-0.07 |
| **Kindir** | 0.71-0.75 | 0.69-0.74 | 0.57-0.65 | 0.38-0.49 | 0.33-0.46 | 0.00-0.06 |
| **TI1** | 0.69-0.73 | 0.66-0.70 | 0.55-0.66 | 0.33-0.41 | 0.31-0.42 | 0.03-0.08 |
| **TI3** | 0.68-0.73 | 0.65-0.70 | 0.56-0.66 | 0.34-0.42 | 0.33-0.43 | 0.05-0.10 |
| **TI5** | 0.69-0.73 | 0.65-0.70 | 0.58-0.65 | 0.32-0.42 | 0.33-0.44 | 0.06-0.10 |
| **WI1** | 0.80-0.83 | 0.77-0.82 | 0.62-0.73 | 0.45-0.52 | 0.41-0.52 | 0.11-0.17 |
| **WI3** | 0.85-0.88 | 0.79-0.83 | 0.65-0.75 | 0.52-0.61 | 0.52-0.57 | 0.14-0.22 |
| **WI5** | 0.87-0.89 | 0.80-0.83 | 0.69-0.78 | 0.54-0.64 | 0.51-0.59 | 0.15-0.23 |
| **STO1** | 0.90-0.94 | 0.75-0.82 | 0.67-0.78 | 0.55-0.67 | 0.55-0.62 | 0.04-0.10 |
| **STO3** | 0.89-0.92 | 0.75-0.81 | 0.65-0.78 | 0.54-0.64 | 0.56-0.62 | 0.04-0.08 |
| **STO5** | 0.87-0.90 | 0.75-0.79 | 0.65-0.75 | 0.55-0.61 | 0.54-0.63 | 0.04-0.09 |
| **wSTO1** | 0.84-0.89 | 0.79-0.83 | 0.63-0.76 | 0.55-0.62 | 0.53-0.64 | 0.07-0.12 |
| **wSTO3** | 0.83-0.88 | 0.80-0.83 | 0.61-0.75 | 0.55-0.62 | 0.48-0.60 | 0.08-0.13 |
| **wSTO5** | 0.83-0.87 | 0.81-0.85 | 0.64-0.76 | 0.56-0.63 | 0.47-0.59 | 0.07-0.15 |
| **TP** | 0.92-0.96 | 0.90-0.93 | 0.81-0.85 | 0.68-0.72 | 0.57-0.75 | 0.20-0.32 |

Table of 95% confidence interval of the correlation showed in the other table. Green = hierarchical clustering with Jaccard index, red = hierarchical clustering with REGE index, grey = density-based modules, yellow = prey-based modules, blue = predator-based modules, purple = groups produced by the group model.

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| --- | --- | --- | --- | --- | --- | --- |
| **Centrality index** | **First** | **Second** | **Third** | **Fourth** | **Fifth** | **Sixth** |
| **DC** |  |  | 0.62-0.73 | 0.37-0.47 | 0.36-0.47 | 0.08-0.14 |
| **WDC** |  |  | 0.76-0.84 | 0.56-0.70 | 0.54-0.61 | 0.23-0.31 |
| **CC** |  |  | 0.63-0.70 | 0.36-0.45 | 0.34-0.45 | 0.03-0.09 |
| **BC** |  | 0.68-0.75 | 0.68-0.74 | 0.40-0.50 | 0.28-0.41 | 0.00-0.00 |
| **s** |  | 0.84-0.89 | 0.81-0.86 | 0.74-0.81 | 0.72-0.78 | 0.16-0.28 |
| **cs** |  | 0.84-0.90 | 0.86-0.89 | 0.75-0.79 | 0.64-0.72 | 0.22-0.33 |
| **ns** |  | 0.84-0.87 | 0.82-0.87 | 0.74-0.79 | 0.66-0.76 | 0.17-0.28 |
| **K** |  | 0.68-0.73 | 0.52-0.66 | 0.27-0.36 | 0.20-0.35 | 0.02-0.07 |
| **Kbu** |  | 0.83-0.87 | 0.72-0.82 | 0.71-0.76 | 0.68-0.78 | 0.15-0.23 |
| **Ktd** |  | 0.79-0.82 | 0.72-0.80 | 0.66-0.72 | 0.47-0.58 | 0.20-0.28 |
| **Kdir** |  | 0.63-0.67 | 0.50-0.60 | 0.19-0.34 | 0.16-0.29 | 0.02-0.07 |
| **Kindir** |  | 0.69-0.74 | 0.57-0.65 | 0.38-0.49 | 0.33-0.46 | 0.00-0.06 |
| **TI1** |  | 0.66-0.70 | 0.55-0.66 | 0.33-0.41 | 0.31-0.42 | 0.03-0.08 |
| **TI3** |  | 0.65-0.70 | 0.56-0.66 | 0.34-0.42 | 0.33-0.43 | 0.05-0.10 |
| **TI5** |  | 0.65-0.70 | 0.58-0.65 | 0.32-0.42 | 0.33-0.44 | 0.06-0.10 |
| **WI1** |  | 0.77-0.82 | 0.62-0.73 | 0.45-0.52 | 0.41-0.52 | 0.11-0.17 |
| **WI3** |  | 0.79-0.83 | 0.65-0.75 | 0.52-0.61 | 0.52-0.57 | 0.14-0.22 |
| **WI5** |  | 0.80-0.83 | 0.69-0.78 | 0.54-0.64 | 0.51-0.59 | 0.15-0.23 |
| **STO1** |  | 0.75-0.82 | 0.67-0.78 | 0.55-0.67 | 0.55-0.62 | 0.04-0.10 |
| **STO3** |  | 0.75-0.81 | 0.65-0.78 | 0.54-0.64 | 0.56-0.62 | 0.04-0.08 |
| **STO5** |  | 0.75-0.79 | 0.65-0.75 | 0.55-0.61 | 0.54-0.63 | 0.04-0.09 |
| **wSTO1** |  | 0.79-0.83 | 0.63-0.76 | 0.55-0.62 | 0.53-0.64 | 0.07-0.12 |
| **wSTO3** |  | 0.80-0.83 | 0.61-0.75 | 0.55-0.62 | 0.48-0.60 | 0.08-0.13 |
| **wSTO5** |  | 0.81-0.85 | 0.64-0.76 | 0.56-0.63 | 0.47-0.59 | 0.07-0.15 |
| **TP** |  | 0.90-0.93 | 0.81-0.85 | 0.68-0.72 | 0.57-0.75 | 0.20-0.32 |

Table with the best linkage method and way of determining interaction strength.