**Table S3.** Parameter characteristics of network (co-occurrence patterns of KEGG methane metabolism functional KOs with other metabolic pathways functional KOs) showing genes of metabolic pathways affected that of methane pathway in wild rice and cultivated rice.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Network parameter characteristics | Af\_W | Af\_C | As\_W | As\_C |
| Node | 45 | 28 | 6 | 4 |
| Correlation | 48 | 24 | 3 | 2 |
| Positive correlation | 35 | 18 | 1 | 2 |
| Negative correlation | 13 | 6 | 2 | 0 |
| Degree distribution | 2.13 | 1.71 | 1 | 1 |
| Modularity | 0.85 | 0.77 | 0.67 | 0.44 |
| Betweenness centrality distribution | 2.314 | 2.11 | 1.25 | 1 |