Figure S1. **Maize network module clustering**. The maize network consists of 34 modules which are shown in the dendrogram. Adjacent modules are more similar in expression than those more distant. Modules here are labeled with a prefix of 'ME'. The dendrogram was constructed using the WGCNA package using eigenvectors derived from expression profiles of nodes in each module.
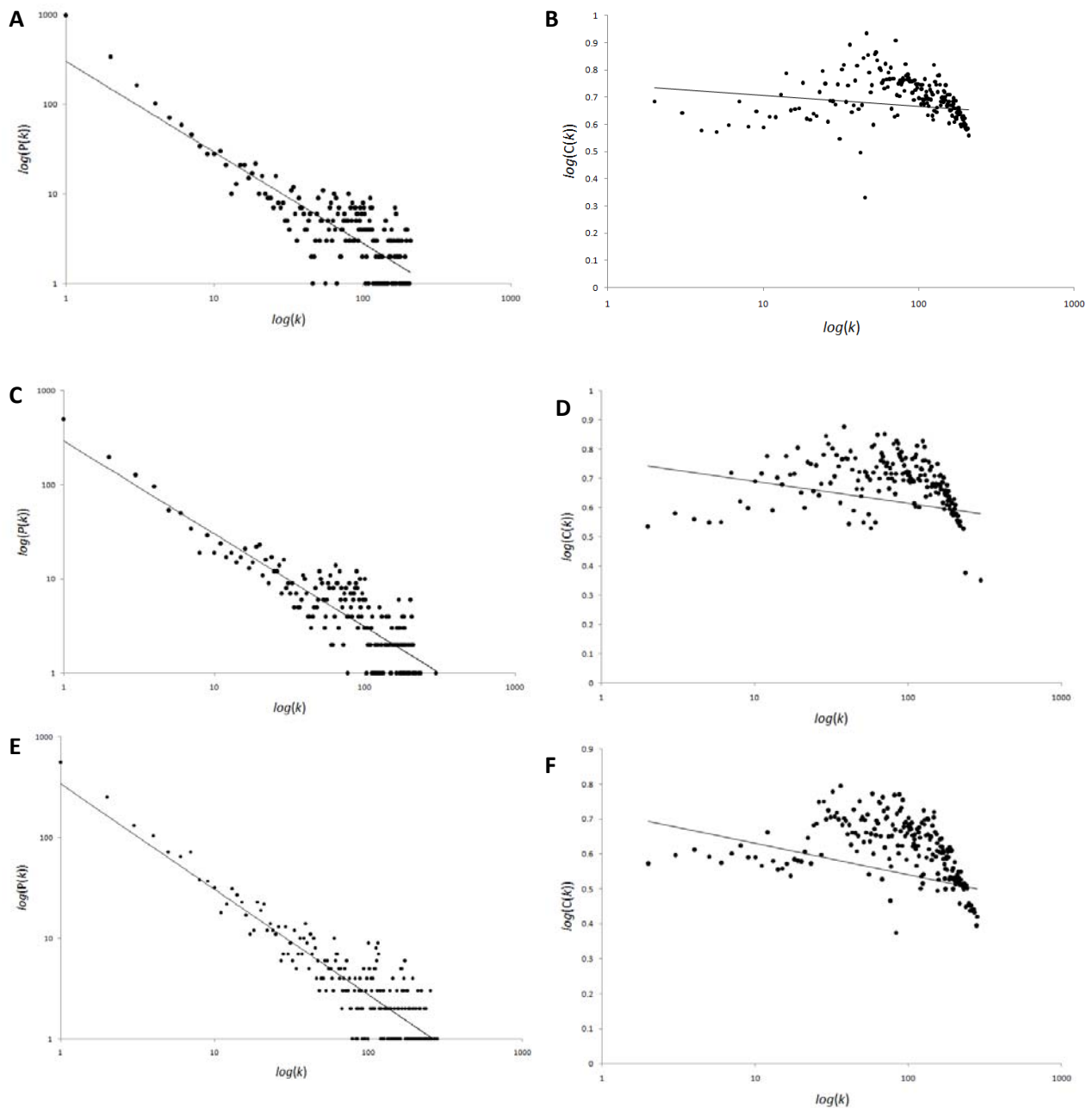
Figure S2. Network characteristics. A, The node degree distribution or scatter plot of edges, $log(k)$, versus the probability of a node having k edges, P(k), for the maize probeset-based network. B, The clustering coefficient distribution or scatter plot of k versus the average connectivity of any node having k edges, C(k) for the maize probeset-based network. C, The node-degree distribution for the maize locus-based network. D, The clustering-coefficient distribution for the maize locus-based network. E, The node degree distribution for the rice locus-based network. F, The clustering coefficient distribution for the rice locus-based network.