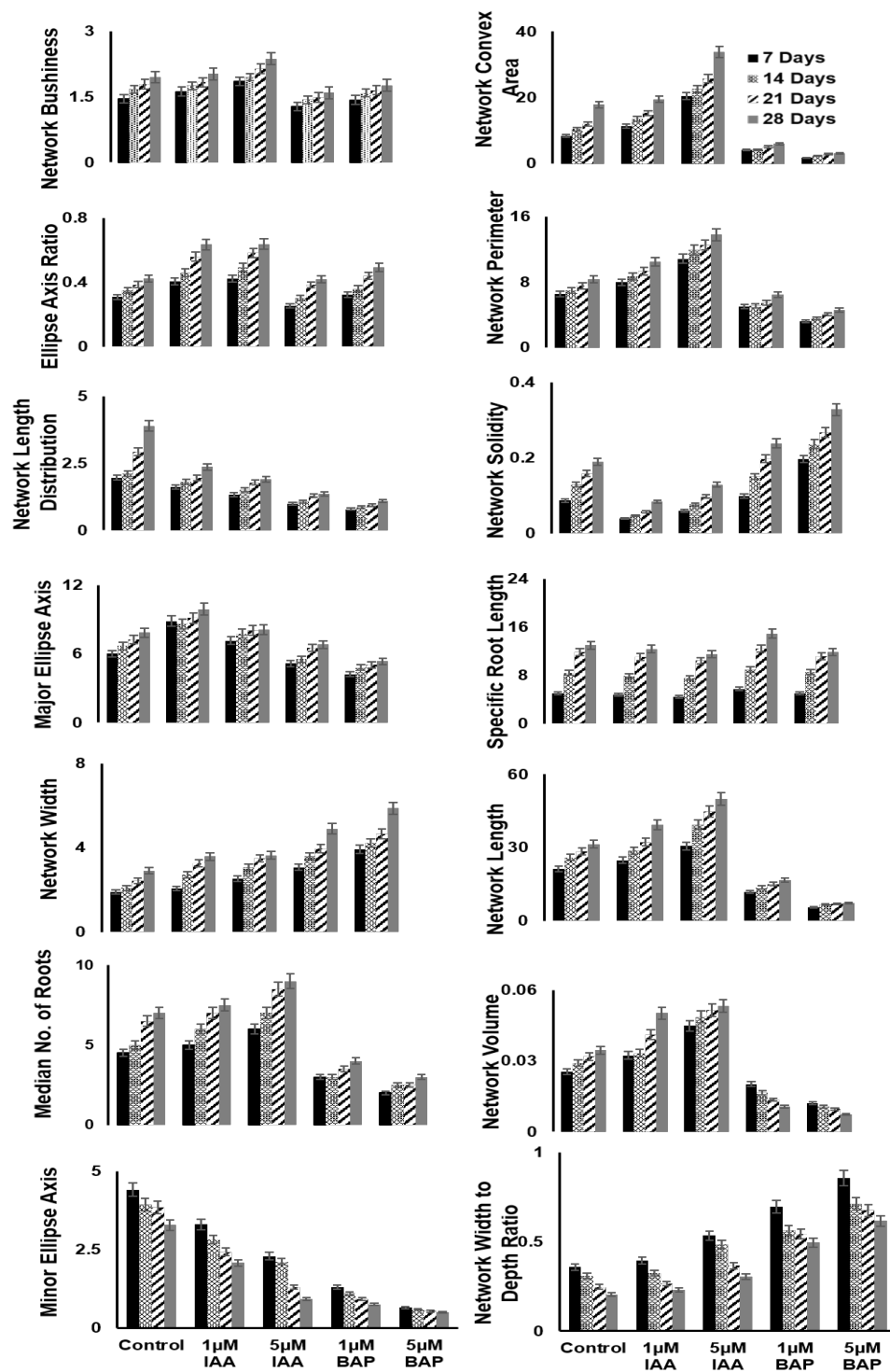**Supporting Information**

Figure S1: Novel root phenotypic parameters in response to auxin and cytokinin treatment. Graphical representation of root phenotypic parameters of untreated as well as 1, 5μM IAA and BAP treated 1-4 week rice seedlings. All the root phenotypic parameters were analysed using GiA roots software framework. Data shown is the average of three triplicates with error bars indicating standard deviation.