

Table S1. Details on the sequencing data used for this study

Experiment	Total # of reads	Mapped reads	Read Length	Availability	Species	Tissue	Dev. Stage
PRO-cassava	89,453,388	37,764,651	100bp	GSE114758	Manihot esculenta	Shoots	6 weeks (tissue culture)
PRO-maize	33,503,263	3,671,229	75bp	GSE114758	Zea mays	Shoots	9 day-old seedlings
GRO-maize	109,191,918	18,022,061	50bp	SRR1121678/9	Zea mays	Shoots	8 day-old seedlings
GRO-arabidopsis	45,343,111	7,670,626	75bp	SRR3647034	Arabidopsis thaliana	Shoots	6 day-old seedlings
Liu et al.	46,366,202	4,115,907	50bp	GSE95301	Arabidopsis thaliana	Shoots	10 day-old seedlings
Zhu et al.	225,727,047	14,069,753	150bp	GSE117014	Arabidopsis thaliana	Shoots	16 day-old (tissue culture)