

**Supplementary Table 4. Expression level of TAS-implicated candidate genes among different tissues and leaf gradient zones.**

Trait	Embryo developmental stages				Meristem		Leaf gradient zones			
	Proembryo	Transition phase	Coleoptile	L1 stage embryo	SAM	LM	Basal zone	Transitional zone	Maturing zone	Mature zone
Length	3.67	3.81	1.87	2.05	7.96	7.30	11.05	5.15	2.33	3.35
Width	6.31	2.50	3.05	2.75	4.38	2.60	12.31	9.38	5.98	7.49
Angle	4.15	5.80	2.93	2.58	4.32	3.72	6.87	2.01	1.65	1.70
Overall <sup>1</sup>	4.52	4.50	4.60	4.29	4.58	4.46	6.56	5.05	2.87	3.17

<sup>1</sup> Median value of all expressed genes within each tissue. SAM, shoot apical meristem from two-week-old seedling; LM, lateral meristem from two-week-old seedling. The number of each cell is the median value of RPKM.