

**Table S2.** Differentially abundant proteins (DAPs) in tillering bud and stolon of *mtn1* mutant involved in plant hormone signal transduction pathway.

Position	Hormone	Protein ID	Fold change	P value	Protein description
Tiller bud	Auxin	evm.model.ctg779.14	32	0	Auxin transport protein BIG
		evm.model.ctg249.48	-16.61		IAA-amino acid hydrolase, ILR1-like 9
	GAs	evm.model.ctg402.179	5	0	ent-Kaurene oxidase, KO
		evm.model.ctg639.14	-16.61	0	Geranylgeranyl diphosphate synthase, GGPS
		evm.model.ctg216.88	5	0	Gibberellin receptor, GID1L
	BRs	evm.model.ctg206.24	1.39	0.001	Typhasterol/6-deoxotyphasterol 2alpha-hydroxylase, CYP92A6
Stem node		evm.model.ctg315.194	-1.63	0	BR-signaling kinase
	Auxin	evm.model.ctg83.129	-1.22	0.038	Auxin influx carrier, AUX1/LAX
		evm.model.ctg381.508	-16.61	0	Indole-3-acetaldehyde oxidase, AAO
	GAs	evm.model.ctg216.88	5	0	Gibberellin receptor, GID1L2
		evm.model.ctg397.145	-16.61	0	Geranylgeranyl diphosphate synthase, GGPS
	BRs	evm.model.ctg781.114	2.81	0	Xyloglucosyl transferase, TCH4
		evm.model.ctg315.194	-1.63	0	BR-signaling kinase