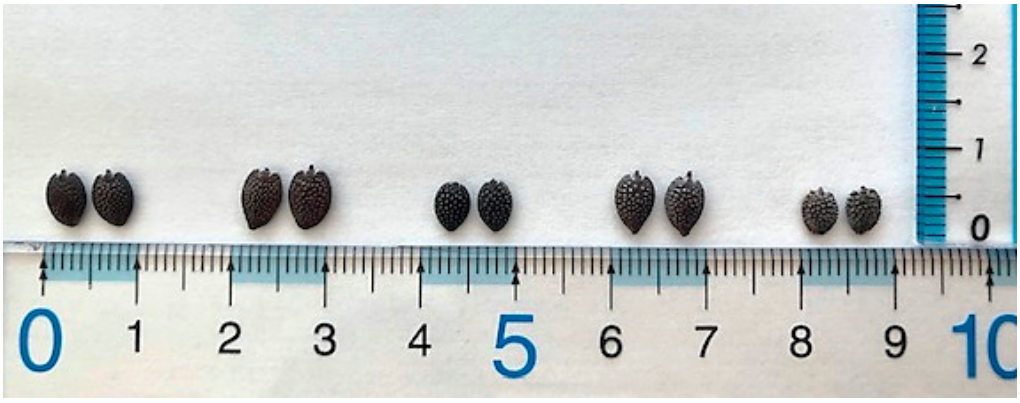

Figure S1. Seed of five passion fruit genotypes. From left to right (each two seeds): INIAP 2009, P10, POR1 (all *P. edulis* f. *flavicarpa*), Gulupa (*P. edulis* f. *edulis*) and PICH1 (*P. maliformis*).

Figure S2. Different stages of seedling germination of *P. edulis* f. *flavicarpa*. The third stage (from the left) represents the emergence of the epicotyl and the fifth stage the developed seedling (germination).

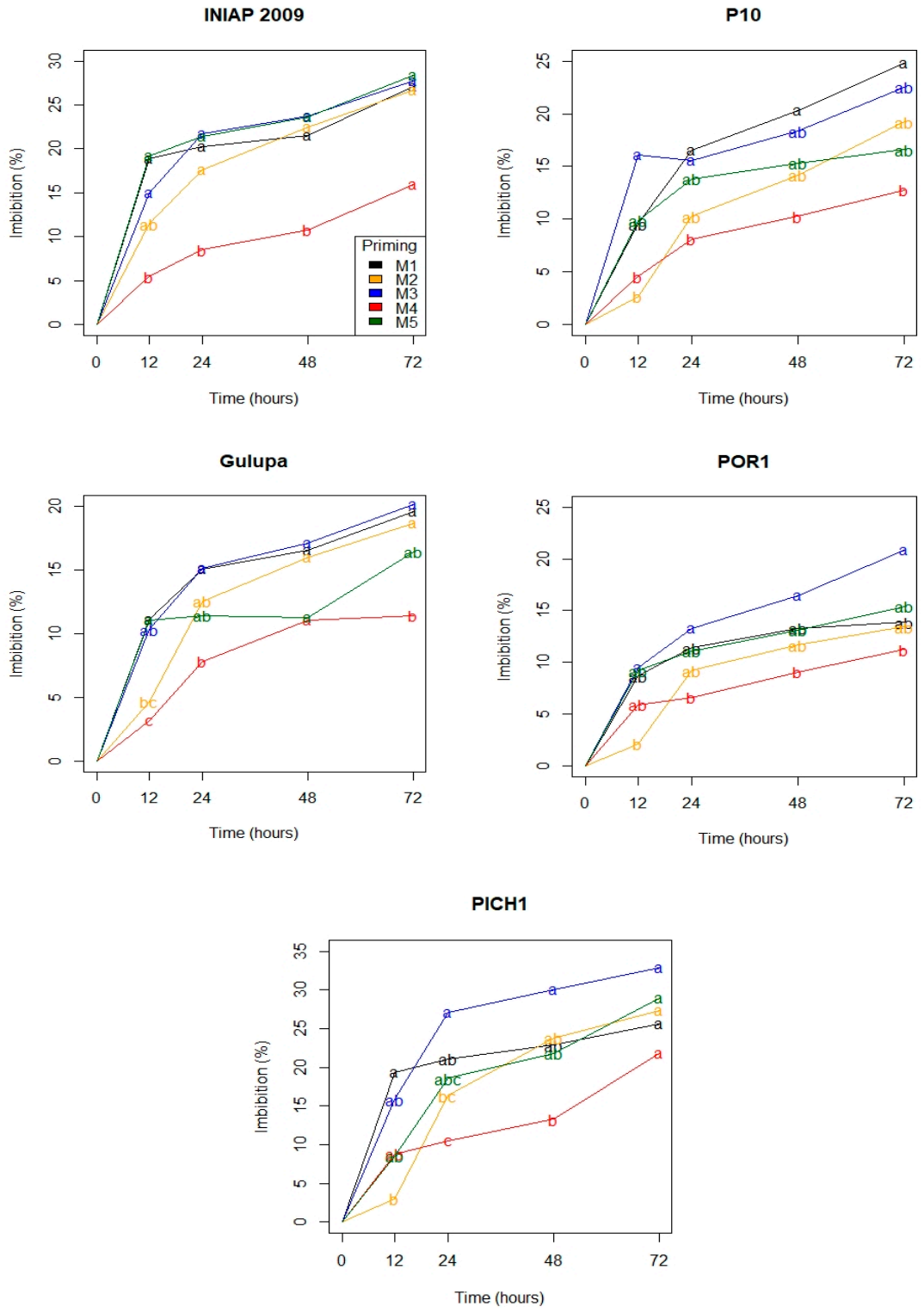

Figure S3. Seed imbibition of the five genotypes of passion fruit at 0, 12, 24, 48 and 72 hours. M1= Water, M2= Hydrogen peroxide, M3= Potassium nitrate, M4= PEG 6000, M5= Gibberellic acid. Different letters indicate significant differences ($p < 0.05$) using the ANOVA analysis followed by Tukey's test.

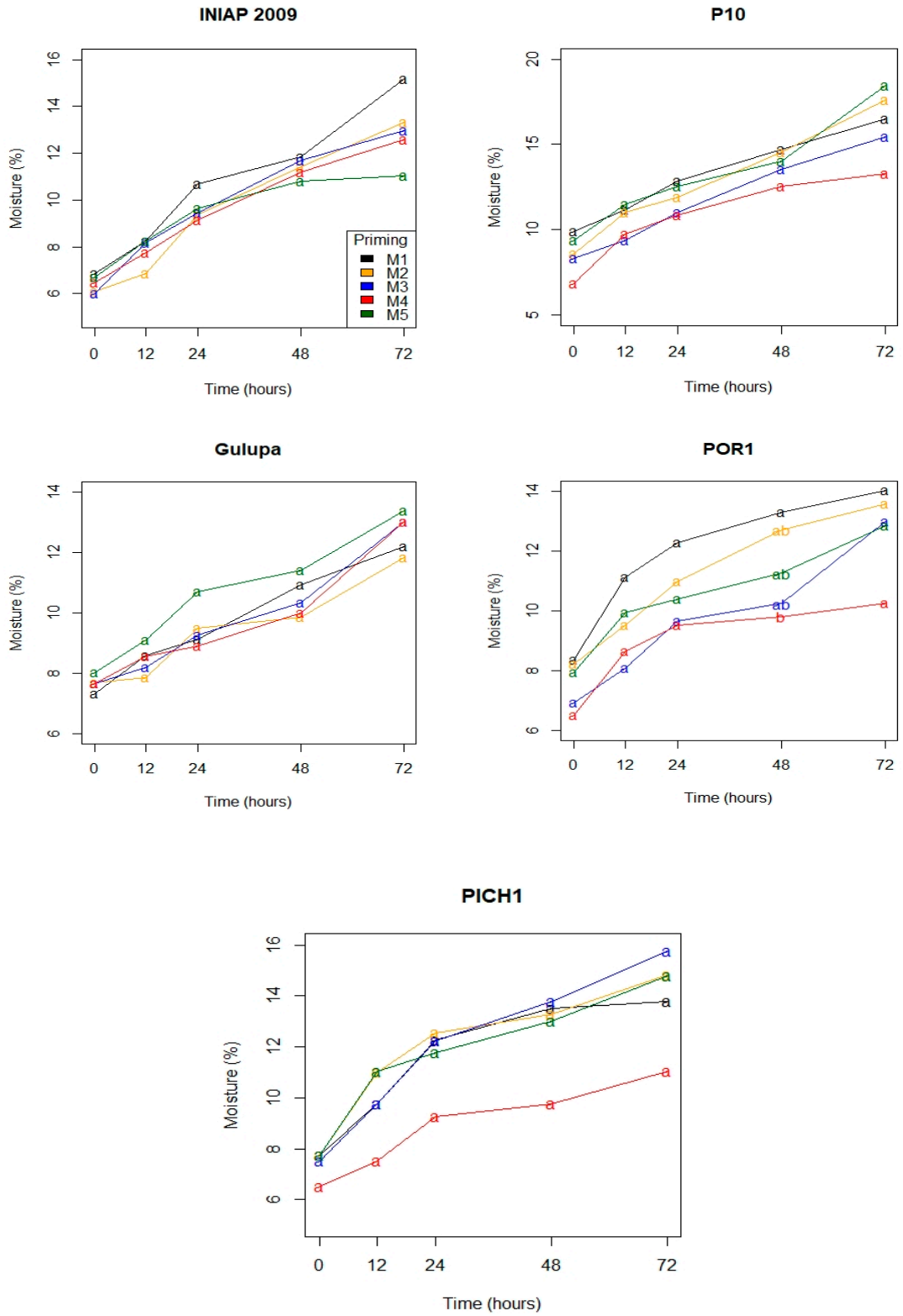

Figure S4. Seed moisture of the five genotypes of passion fruit at 0, 12, 24, 48 and 72 hours. M1= Water, M2= Hydrogen peroxide, M3= Potassium nitrate, M4= PEG 6000, M5= Gibberellic acid. Different letters indicate significant differences ($p < 0.05$) using the ANOVA analysis followed by Tukey's test.

Figure S5. Seedlings of *P. edulis* f. *flavicarpa* (INIAP 2009, left), *P. edulis* f. *edulis* (Gulupa, center) and *P. maliformis* (POR1, right). Seeds were treated with PEG 6000.

Table S1. Pearson correlation coefficients between the seed traits and the seedling traits.

	Seed lenght	Seed width	Seed thickness	Seed weight	Seedling height	Root length	Top fresh weight	Root fresh weight	Top dry weight	Root dry weight
Seed length	**1**	0.920*	0.944*	0.955*	0.955*	0.939*	0.958*	0.951*	0.962**	0.978**
Seed width		1	0.800^{ns}	0.915*	0.800^{ns}	0.833^{ns}	0.815^{ns}	0.884*	0.815^{ns}	0.879*
Seed thickness			1	0.964**	0.900*	0.984**	0.990**	0.978**	0.975**	0.984**
Seed weight				1	0.863^{ns}	0.978**	0.960**	0.992**	0.943*	0.983**
Seedling height					1	0.902*	0.942*	0.853^{ns}	0.967**	0.935*
Root length						1	0.991**	0.970**	0.981**	0.990**
Top fresh weight							1	0.960**	0.996**	0.993**
Root fresh weight								1	0.938**	0.978**
Top dry weight									1	0.987**
Root dry weight										1

**=statistical significance at 1%, *= statistical significance at 5%, and ns= no statistical significance.