

## SUPPLEMENTAARY DATA

Table S1. Multilocus genotypes for 54 samples: 37 basal shoots, of which 17 were pairs of maternal (basal) and inflorescence-derived plantlets, and longitudinal sections to detect genetic mosaicism (UL36a-w and UL37 a-v). \* indicates samples tested for ploidy using flow cytometry.

Sample	<i>PaA1</i>	<i>PaA105</i>	<i>PaA120</i>	<i>PaB6</i>	<i>PaB8</i>	<i>PaB112</i>	<i>PaD113</i>	Sample	Ploidy
UL6A	242273	225227229	194196	245245	204218	189189	195195	basal shoot (maternal)	*
UL6B	242273	225227229	194196	245245	204218	189189	195195	plantlet on inflorescence	
UL8A	242273275	225225	194196198	245245	204218220	189189	195195	basal shoot (maternal)	*
UL8B	242273275	225225	194196198	245245	204218220	189189	195195	plantlet on inflorescence	
UL12A	-	225225	194196198	245245	204218220	189189	195195	basal shoot (maternal)	
UL12B	242273	225225	194196198	245245	204218220	189189	195195	plantlet on inflorescence	
UL14A	242273	225227229	194196	245245	204218	185189	195195	basal shoot (maternal)	*
UL14B	242273	225227229	194196	245245	204218	185189	195195	plantlet on inflorescence	
UL18A	242271273	225225	194196198	245245	204218220	189189	195195	basal shoot (maternal)	*
UL18B	242271273	225225	194196198	245245	204218220	189189	195195	plantlet on inflorescence	
UL24A	242273	225227229	194196	245245	204218	185189	195195	basal shoot (maternal)	
UL24B	242273	225227229	194196	245245	204218	185189	195195	plantlet on inflorescence	
UL25A	242273	225227229	194196	-	204218	185189	195195	basal shoot (maternal)	
UL25B	242273	225227229	194196	-	204218	185189	195195	plantlet on inflorescence	
UL26A	242273	225227229	194196	245245	204218	185189	195195	basal shoot (maternal)	
UL26B	242273	225227229	194196	245245	204218	185189	195195	plantlet on inflorescence	
UL27A	242273	225227229	194196	245245	204218	185189	195195	basal shoot (maternal)	
UL27B	242273	225227229	194196	245245	204218	185189	195195	plantlet on inflorescence	
UL28A	242273	225227229	194196	-	204218	185189	195195	basal shoot (maternal)	
UL28B	242273	225227229	194196	245245	204218	185189	195195	plantlet on inflorescence	
UL29A	242273	225227229	194196	245245	204218	185189	195195	basal shoot (maternal)	

UL29B	242273	225227229	194196	245245	204218	185189	195195	plantlet on inflorescence	
UL30A	242273275	225227	194196	-	204218	185189	195195	basal shoot (maternal)	*
UL30B	242273275	225227	194196	-	204218	185189	195195	plantlet on inflorescence	
UL31A	242273	225227229	194196	-	204218	185189	195195	basal shoot (maternal)	
UL31B	242273	225227229	194196	245245	204218	185189	195195	plantlet on inflorescence	
UL32A	242273	225227229	194196	-	204218	185189	195195	basal shoot (maternal)	
UL32B	242273	225227229	194196	245245	204218	185189	195195	plantlet on inflorescence	
UL33A	242273	225227229	194196	245245	204218	185189	195195	basal shoot (maternal)	
UL33B	242273	225227229	194196	245245	204218	185189	195195	plantlet on inflorescence	
UL34A	242273	225227229	194196	-	204218	185189	195195	basal shoot (maternal)	
UL34B	242273	225227229	194196	-	204218	185189	195195	plantlet on inflorescence	
UL35A	242273	225227229	194196	-	204218	185189	195195	basal shoot (maternal)	
UL35B	242273	225227229	194196	-	204218	185189	195195	plantlet on inflorescence	
UL1	242273	225227	194196	245245	204218	185189	195195	basal shoot	
UL2	242273	225227	194196	245245	204218	185189	195195	basal shoot	
UL3	242273	225227	194196	245245	204218	185189	195195	basal shoot	
UL4	242273	225227	194196	245245	204218	185189	195195	basal shoot	
UL5	242273	225227	196198	245245	204218	185189	195195	basal shoot	*
UL7	242273	225227	194196	245245	204218	185189	195195	basal shoot	
UL9	242273	225227	194196	245245	204218	185189	195195	basal shoot	
UL10	242265273	215225	194194	-	204218220	185189	195195	basal shoot	*
UL11	242265273	215225	194194	245245	204218220	185189	195195	basal shoot	
UL13	242273	225225	194196198	245245	204218220	189189	195195	basal shoot	*
UL15	242271273	225225	194194	-	204218	185189195	195195	basal shoot	*
UL16	242273	225227229	194196	245245	204218	185189195	195195	basal shoot	*
UL17	242271273	215225	194194	245245	204218220	185189	195195	basal shoot	*

UL19	242273	225225	194196198	-	204218220	189189	195195	basal shoot	
UL20	242271273	225225	194196198	245245	204218220	189189	195195	basal shoot	
UL21	242273	215225	194194	245245	204218220	185189	195195	basal shoot	*
UL22	242265273	215225	194196	245245	204218220	185189	195195	basal shoot	
UL23	242273	225225	194194	245245	204218	185189	195195	basal shoot	*
UL36	242273	215225	194194	-	204218220	185189	-	basal shoot	
UL36a	242273	215225	194194	-	204218220	185189	-	longitudinal section	
UL36b	-	215225	194194	-	204218220	185189	-	longitudinal section	
UL36c	242273	215225	194194	-	204218220	185189	-	longitudinal section	
UL36d	242273	215225	194194	-	204218220	185189	-	longitudinal section	
UL36e	-	215225	194194	-	204218220	185189	-	longitudinal section	
UL36f	242273	215225	194194	-	204218220	185189	-	longitudinal section	
UL36g	242273	215225	194194	-	204220	185189	-	longitudinal section	
UL36h	242273	215225	194194	-	204218220	185189	-	longitudinal section	
UL36i	242273	215225	194194	-	204218220	185189	-	longitudinal section	
UL36j	242273	215225	194194	-	204218220	185189	-	longitudinal section	
UL36k	242273	215225	194194	-	204218220	185189	-	longitudinal section	
UL36l	242273	215225	194194	-	204218220	185189	-	longitudinal section	
UL36m	242273	215225	194194	-	204218220	185189	-	longitudinal section	
UL36n	242273	215225	194194	-	204218220	185189	-	longitudinal section	
UL36o	242273	215225	194194	-	204218220	185189	-	longitudinal section	
UL36p	242273	215225	194194	-	204218220	185189	-	longitudinal section	
UL36q	242273	215225	194194	-	204218220	185189	-	longitudinal section	
UL36r	242273	215225	194194	-	204218220	185189	-	longitudinal section	
UL36s	242273	215225	194194	-	204218220	185189	-	longitudinal section	
UL36t	242273	215225	194194	-	204218220	185189	-	longitudinal section	

UL36u	242273	215225	194194	-	204218220	185189	-	longitudinal section
UL36v	242273	215225	194194	-	204218220	185189	-	longitudinal section
UL36w	242273	215225	194194	-	204218220	185189	-	longitudinal section
UL37	242273	225227229	194196	-	204218	185189	-	basal shoot
UL37a	242273	225227229	194196	-	204218	185189	-	longitudinal section
UL37b	242273	225227229	194196	-	204218	185189	-	longitudinal section
UL37c	242273	-	194196	-	204218	185189	-	longitudinal section
UL37d	242273	225227229	194196	-	204218	185189	-	longitudinal section
UL37e	242273	225227229	194196	-	204218	185189	-	longitudinal section
UL37f	242273	225227229	194196	-	204218	185189	-	longitudinal section
UL37g	242273	225227229	194196	-	204218	185189	-	longitudinal section
UL37h	242273	225227229	194196	-	204218	185189	-	longitudinal section
UL37i	242273	225227229	194196	-	204218	185189	-	longitudinal section
UL37j	242273	225227229	194196	-	204218	185189	-	longitudinal section
UL37k	242273	225227229	194196	-	204218	185189	-	longitudinal section
UL37l	242273	225227229	194196	-	204218	185189	-	longitudinal section
UL37m	242273	225227229	194196	-	204218	185189	-	longitudinal section
UL37n	242273	225227229	194196	-	204218	185189	-	longitudinal section
UL37o	242273	225227229	194196	-	204218	185189	-	longitudinal section
UL37p	242273	225227229	194196	-	204218	185189	-	longitudinal section
UL37q	242273	225227229	194196	-	204218	185189	-	longitudinal section
UL37r	242273	225227229	194196	-	204218	185189	-	longitudinal section
UL37s	242273	225227229	194196	-	204218	185189	-	longitudinal section
UL37t	242273	225227229	194196	-	204218	185189	-	longitudinal section
UL37u	242273	-	194196	-	204218	185189	-	longitudinal section
UL37v	242273	225227229	194196	-	204218	185189	-	longitudinal section