


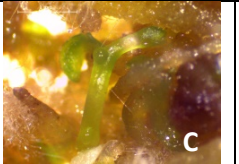













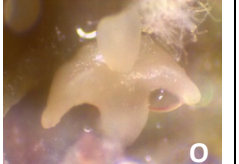

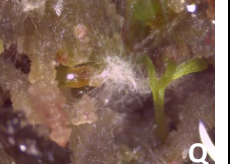
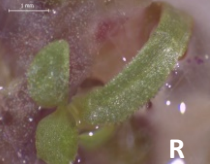

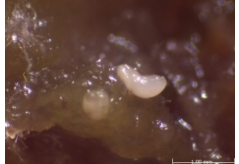



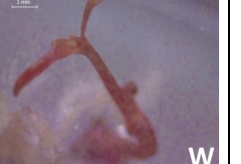
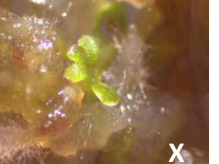


**Supplementary figure S1** Regeneration process of plantlets derived from the hairy root line LRT2.3 of *L. racemosa* cultured on MS/B5 medium with two different sucrose concentrations: 2 % and 3 % without PGRs during 30 dpp. **M**, callus; **N**, **S** and **T** calli with somatic embryos at globular stage; **O**, somatic embryo between heart and torpedo stage; **P**, somatic embryo at torpedo stage; **U** callus; **Q**, **R**, **V**, **W** and **X** shoots

		CULTURE TIME						
SUCROSE CONCENTRATION		0 DAYS	5 DAYS	10 DAYS	15 DAYS	20 DAYS	25 DAYS	30 DAYS
	0.5%		 A 30x	 B 16x	 C 20x	 D 16x	 E 12.5x	 F 16x
	1%		 G 35x	 H 25x	 I 25x	 J 20x	 K 35x	 L 12.5x
	2%		 M 20x	 N 35x	 O 35x	 P 12.5x	 Q 12.5x	 R 20x
	3%		 S 30x	 T 30x	 U 20x	 V 25x	 W 12.5x	 X 20x

**Supplementary figure S2** Regeneration process of plantlets derived from the hairy root line LRT6.4 of *L. racemosa* cultured on MS/B5 medium containing different sucrose concentrations: 0.5 %, 1.0 %, 2.0 % and 3.0 % without PGRs during 30 dpp. **A** and **G**, calli with somatic embryos at globular stage; **H**, **M** and **S**, calli with somatic embryos at heart stage; **B** and **N** somatic embryo at torpedo stage; **O**, somatic embryo at cotyledonary stage; **S** and **U**, somatic embryo at heart and early torpedo stage; **C** to **F**, **I** to **L**, **P** to **R** and **V** to **X**, shoots