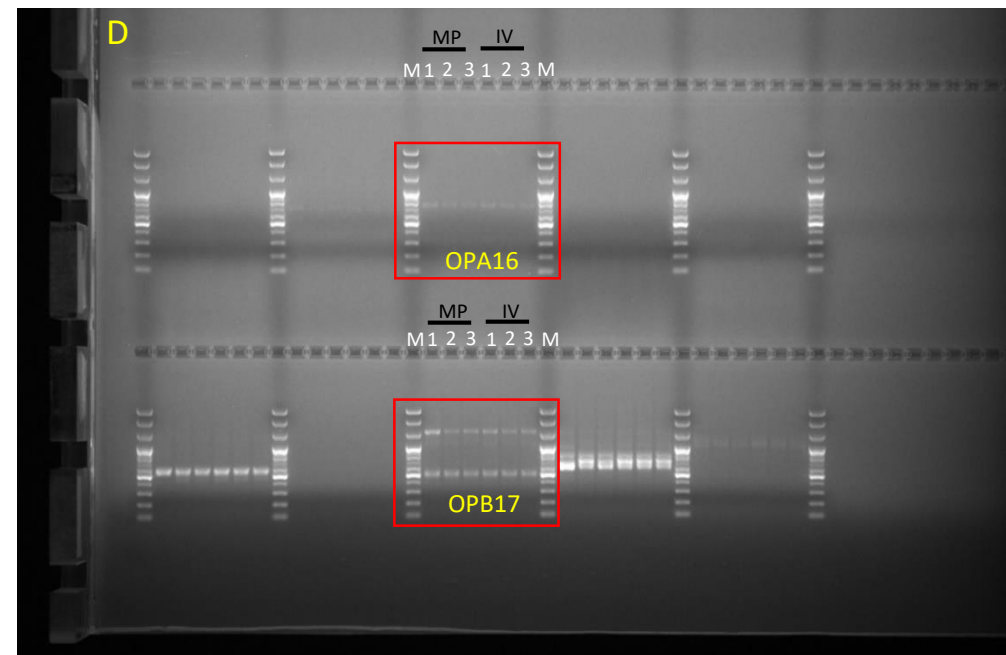
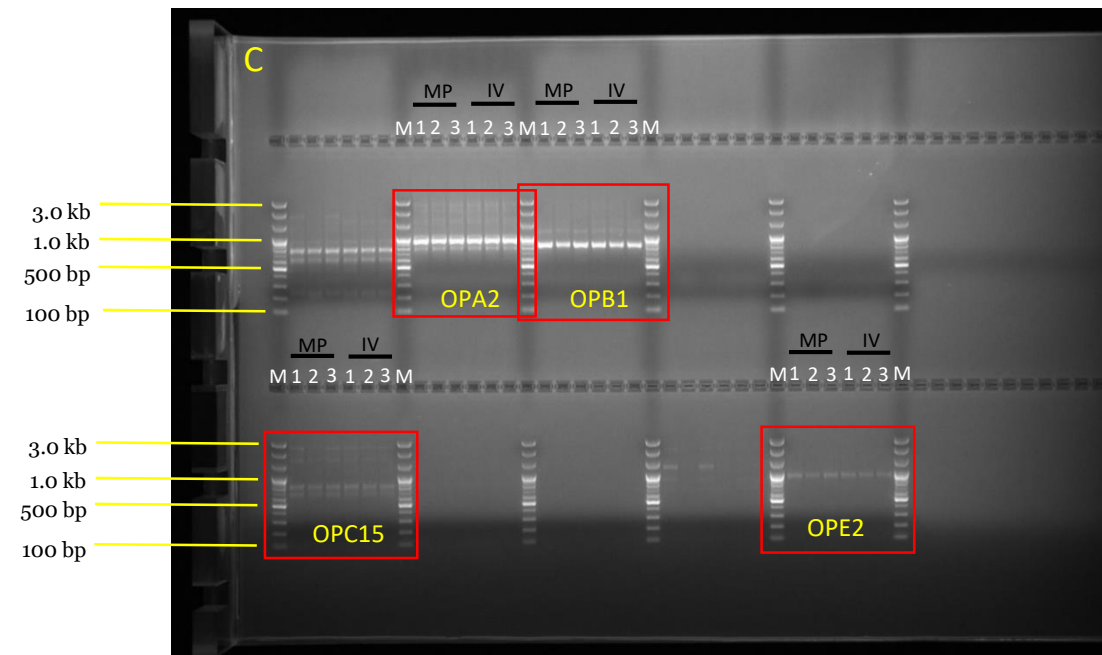
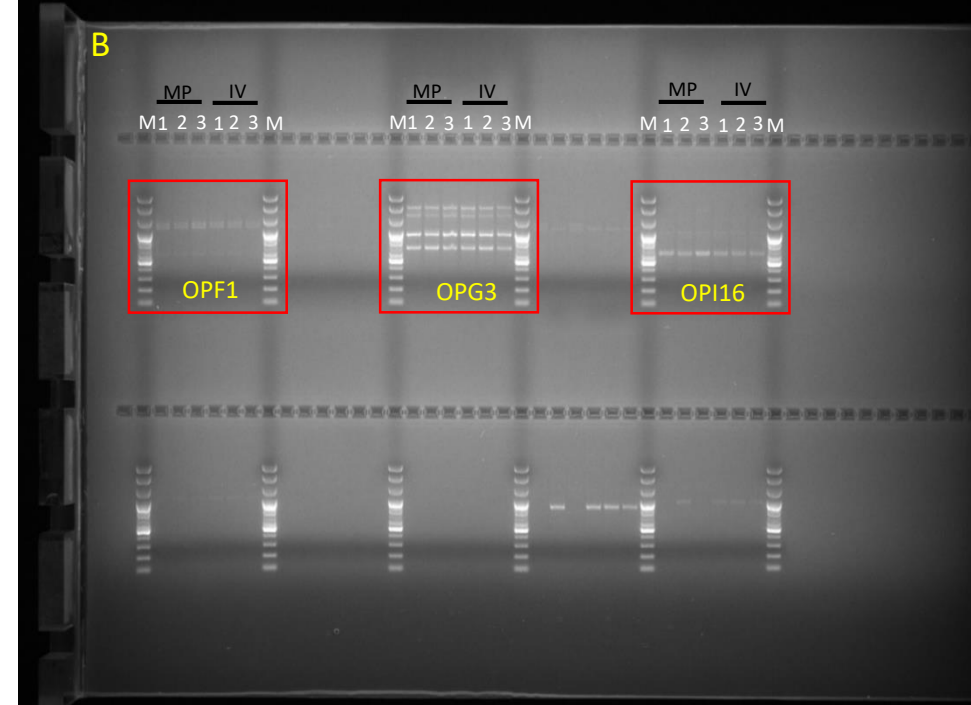
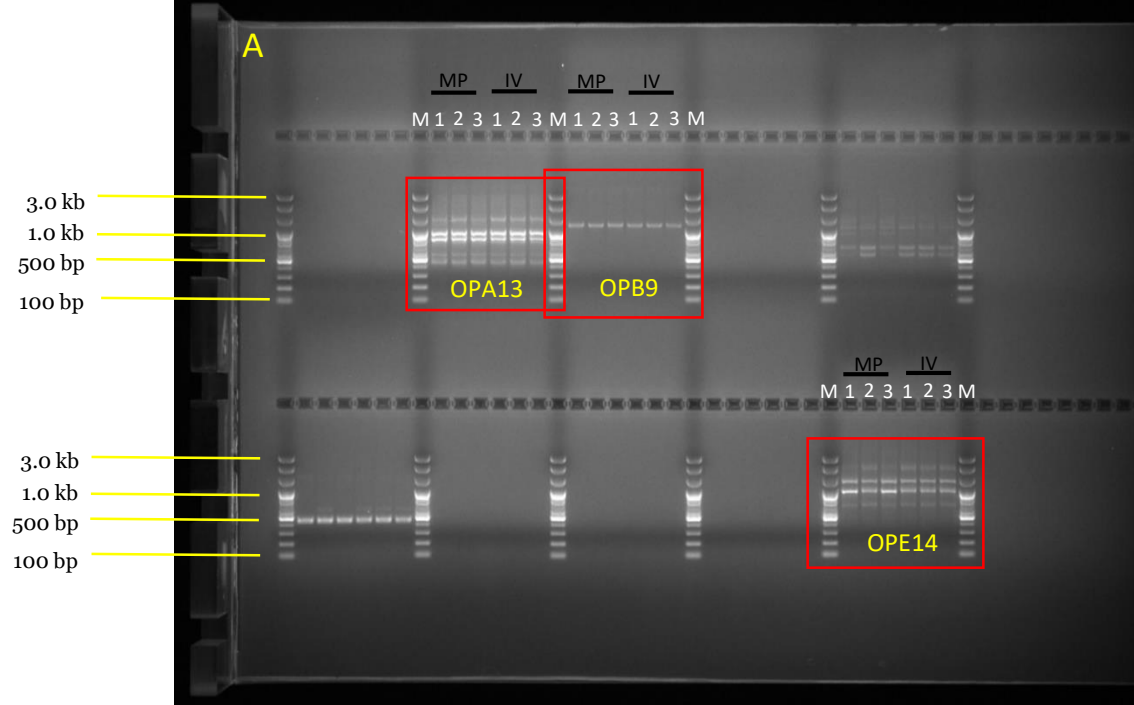
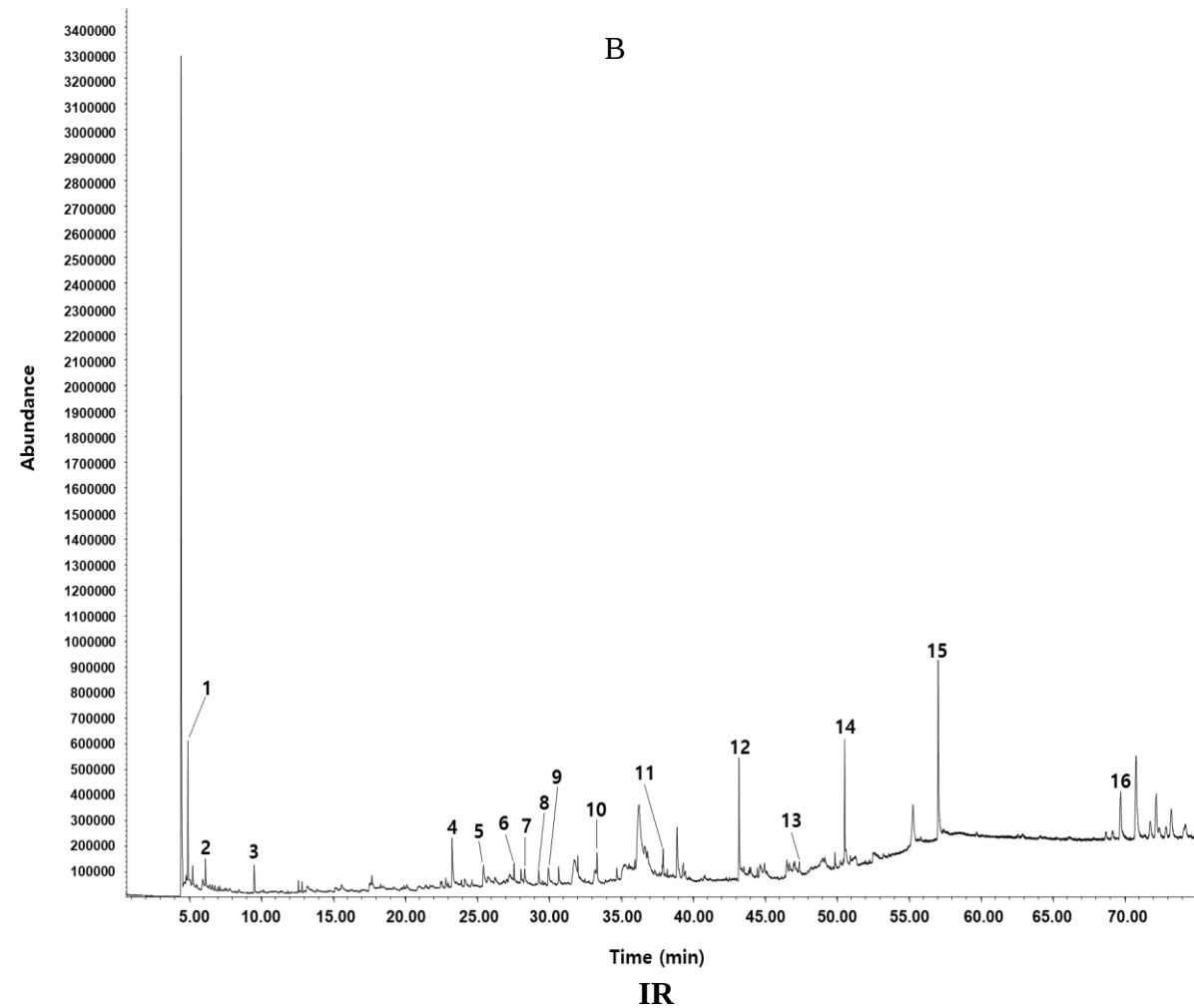
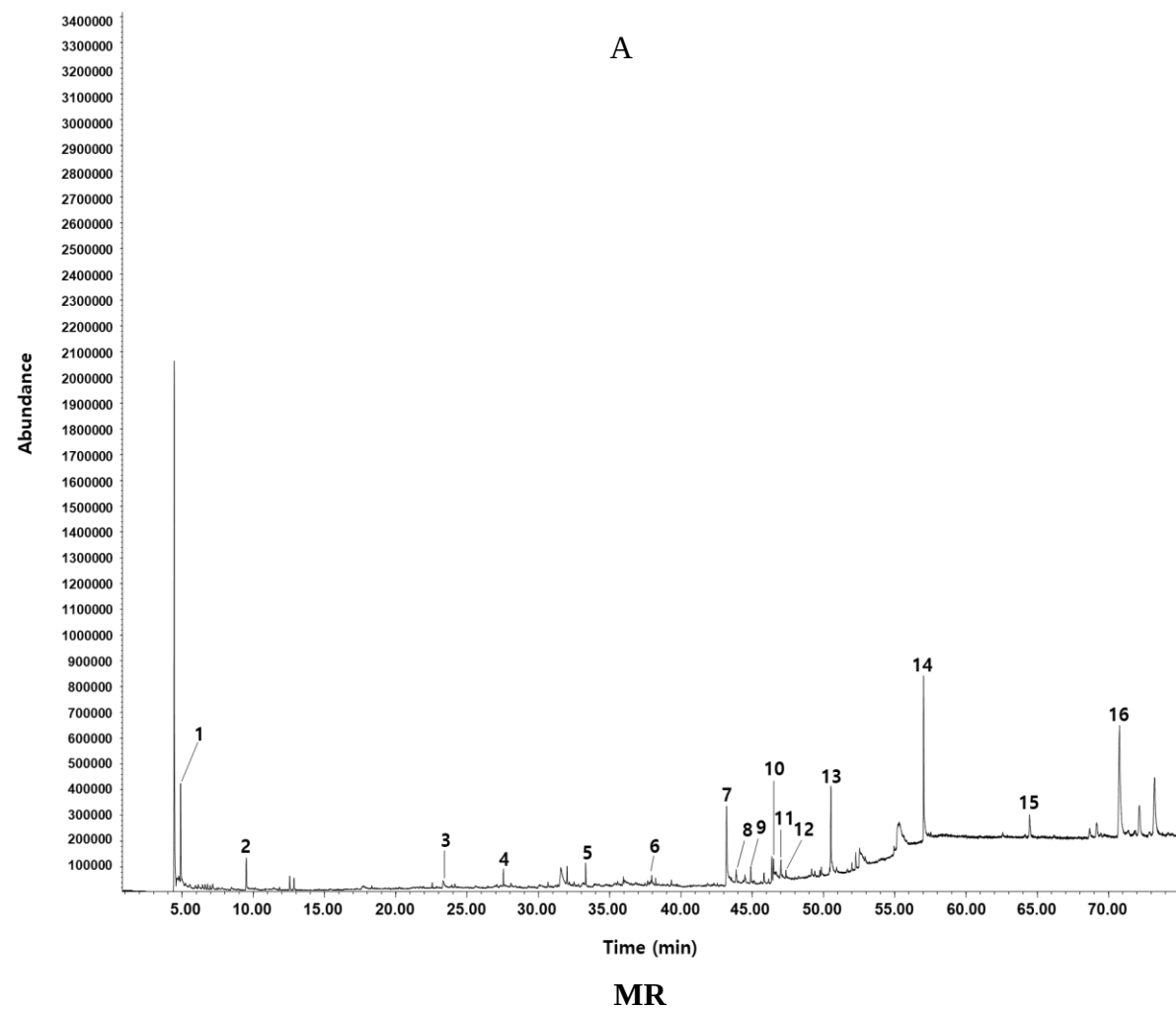
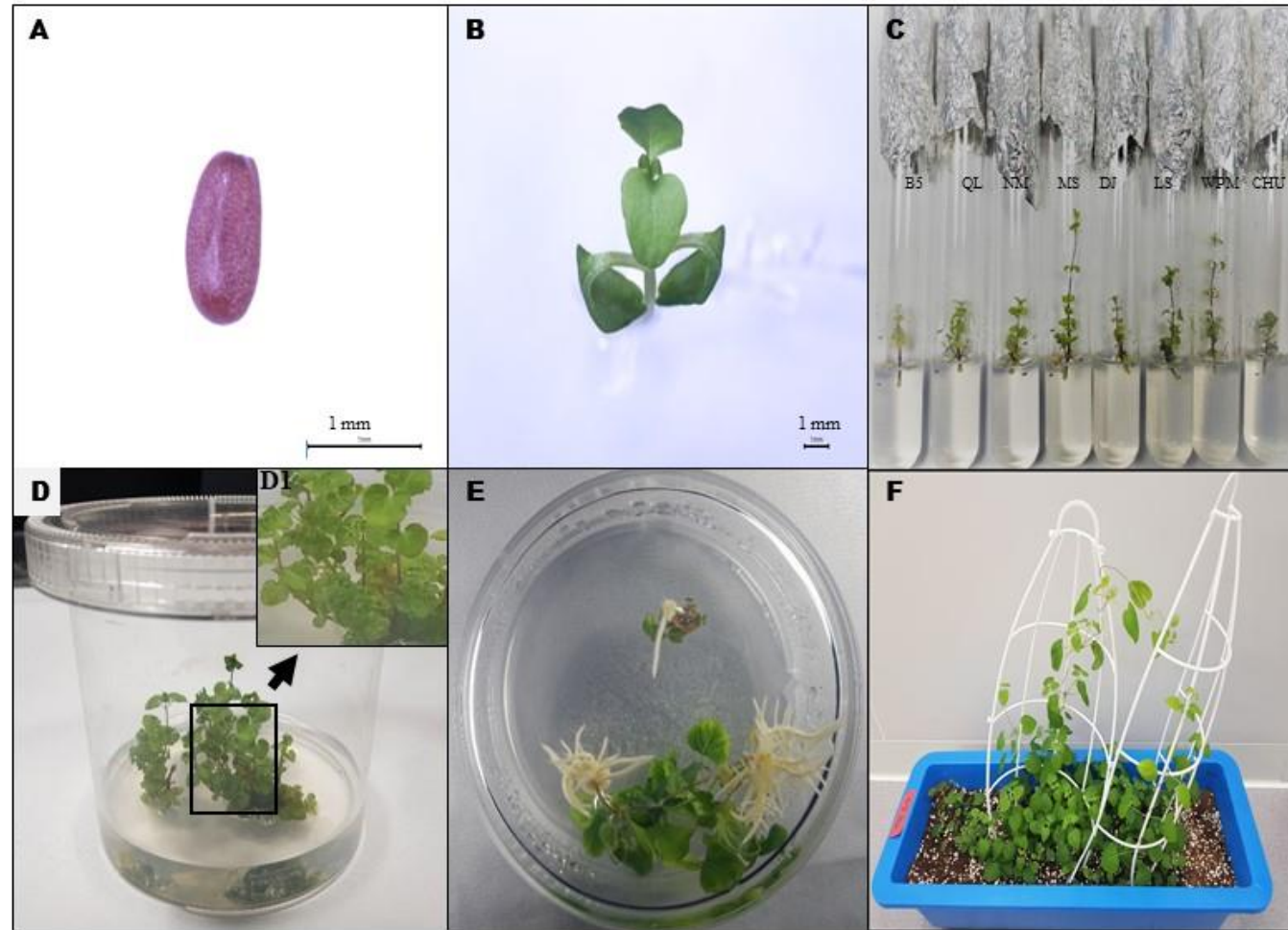




Supplementary Fig. 1 Full-length membranes of randomly amplified polymorphic DNA Profiles regenerated by PCR amplification obtained with Operon primers for maternal and *In vitro* regenerated *C. pilosula* plants : (A) Operon primers OPA-13, OPB-9, and OPE-14. (B) Operon primers OPF-1, OPG-3, and OPI-16. (C) Operon primers OPA-2, OPB-1, OPC-15, and OPE-2. (D) Operon primers OPA-16 and OPB-17. Lanes M-100 by plus DNA ladder, MP 1-3 *C. pilosula* maternal plant, IV 1-3 *In vitro* regenerated *C. pilosula* plants.



Supplementary Fig.2 GC-MS chromatogram of the methanol extract of *C. pilosula* root samples. (A) GC-MS chromatogram of the *C. pilosula* roots of maternal plant (MR). (B) GC-MS chromatogram of the *C. pilosula* roots of *in vitro* regenerated plants (IR).



Supplementary Fig.3 *C. pilosula* in vitro propagation through apical shoot in optimum growth conditions. (A) Seed of *C. pilosula*. (B) In vitro *C. pilosula* seedling for use as explants. (C) Media test for growth of *C. pilosula* (D) Test of different cytokines for shoot proliferation of *C. pilosula*. (D1) Multiple shoots developing from a single apical shoot. (E) Test for rooting of *C. pilosula* in different Auxins. (F) Acclimatized regenerated *C. pilosula* plant with well-developed root and shoot systems in horticulture soil mixed with perlite in the ratio of 2:1.

Supplementary Table 1 List of primers, their sequences, number of scorable bands and approximate sizes of the amplified fragments generated by the 12 RAPD markers.

No.	Primer code	Primer Sequences (5'-3')	Number of scorable bands	Approximate range of amplification (bp)
1	OPA-13	CAGCACCCAC	5	500 ~ 1500
2	OPB-09	TGGGGGACTC	1	1500 ~ 2000
3	OPE-14	TGCGGCTGAG	4	800 ~ 3000
4	OPF-01	ACGGATCCTG	2	1000 ~ 1500
5	OPG-03	GAGCCCTCCA	4	700 ~ 2000
6	OPI-16	TCTCCGCCCT	1	700 ~ 800
7	OPA-02	TGCCGAGCTG	2	800 ~ 1000
8	OPB-01	GTTTCGCTCC	2	800 ~ 1500
9	OPC-15	GACGGATCAG	4	700 ~ 3000
10	OPE-02	GGTGCGGGAA	1	1000 ~ 1500
11	OPA-16	AGCCAGCGAA	1	800 ~ 900
12	OPB-17	AGGGAACGAG	2	500 ~ 2000
			Total 29	Average 816-1725