

Supplementary Table S1. Adventitious shoot induction rate (%) and number of induced shoots from leaves, petioles and internodal segments of *Amelanchier alnifolia* var. *cusickii* grouped according to different explants and planth growth regulators (PGR) treatments.

| | Shoot induction (%) | Induced shoots |
|---------------------|---------------------|----------------|
| Explant | | |
| Leaves | 0.67 ^b | 0.17 ± 0.167 |
| Petioles | 1.33 ^b | 1.33 ± 1.145 |
| Internodal segments | 29.33 ^a | 4.05 ± 0.645 |
| PGR (mg/L) | | |
| 1 BAP + 0.5 IBA | 6.67 ^b | 2.17 ± 1.01 |
| 2 BAP + 0.5 IBA | 2.67 ^b | 5.67 ± 5.17 |
| 3 BAP + 0.5 IBA | 12.00 ^b | 3.80 ± 0.99 |
| 1 TDZ + 0.5 IBA | 9.33 ^b | 1.25 ± 0.25 |
| 2 TDZ + 0.5 IBA | 22.67 ^a | 2.95 ± 0.58 |
| 3 TDZ + 0.5 IBA | 10.67 ^b | 5.30 ± 2.20 |

Different letters (a-b) indicate significant differences by LSD test ($p \leq 0.05$) in the same column. Induced shoots are presented as the means ± standard error.

Supplementary Table S2. Adventitious shoot induction rate (%) and number of induced shoots from leaves, petioles and internodal segments of *Lonicera kamtschatica* 'Jugana' grouped according to different explants and planth growth regulators (PGR) treatments.

| | Shoot induction (%) | | Induced shoots |
|-----------------------------|---------------------|----------------------------|----------------|
| Explant | | | |
| Leaves | 0.57 ^a | | 0.29 ± 0.29 |
| Petioles | 4.57 ^a | | 1.64 ± 0.61 |
| Internodal segments | 4.00 ^a | | 2.82 ± 0.83 |
| PGR (mg/L) | | Leaves | |
| 1 BAP + 0.2 IAA | 4.00 ^{ab} | BAP | 0.00 ± 0.00 |
| 2 BAP + 0.2 IAA | 0.00 ^b | TDZ | 0.67 ± 0.67 |
| 3 BAP + 0.2 IAA | 0.00 ^b | Petioles | |
| 0.5 BAP + 1.5 KIN + 0.2 IAA | 2.66 ^{ab} | BAP | 0.67 ± 0.21 |
| 1 TDZ + 0.2 IAA | 8.00 ^a | TDZ | 2.80 ± 1.16 |
| | | Internodal segments | |
| 2 TDZ + 0.2 IAA | 5.33 ^{ab} | BAP | 0.25 ± 0.25 |
| 3 TDZ + 0.2 IAA | 1.33 ^b | TDZ | 4.29 ± 0.89 |

Different letters (a-b) indicate significant differences by LSD test ($p \leq 0.05$) in the same column. Induced shoots are presented as the means ± standard error.