**Effets de différentes méthodes de préservation sur la répétition de séquence simple inter (ISSR) et Polymorphisme amplifié aléatoire DNA (RAPD) des marqueurs moléculaires dans les échantillons de botanique**

**Effects of Different Preservation Methods on****Inter Simple Sequence Repeat (ISSR) and Random Amplified Polymorphic DNA (RAPD) Molecular Markers in Botanic Samples**

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**Table S1 The primers we have selected and the annealing temperature (℃) for ISSR.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **primers** | **T** | **C** | **H** | **S** | **Y** | **L** |
| **807** | **--** | **52.8** | **51.4** | **51.4** | **51.4** | **51.4** |
| **811** | **--** | **49.3** | **54.3** | **51.4** | **54.3** | **57.2** |
| **826** | **50.2** | **--** | **--** | **--** | **49** | **51.4** |
| **827** | **56.5** | **56.5** | **54.3** | **56.5** | **56.5** | **56.5** |
| **836** | **56.9** | **56.9** | **56.9** | **56.9** | **56.9** | **56.9** |
| **842** | **50.2** | **59.8** | **59.8** | **59.8** | **59.8** | **59.8** |
| **851** | **53.2** | **59.8** | **53.2** | **54.3** | **49.3** | **59.8** |
| **856** | **--** | **56.9** | **56.9** | **56.9** | **56.9** | **56.9** |
| **857** | **59.5** | **59.5** | **51.4** | **59.5** | **59.5** | **59.5** |
| **866** | **59.8** | **61** | **57.2** | **58.6** | **58.6** | **59.8** |
| **873** | **55.7** | **52.8** | **51.4** | **56.8** | **52.8** | **--** |
| **888** | **52.8** | **52.8** | **--** | **--** | **--** | **--** |
| **891** | **52.8** | **52.8** | **--** | **--** | **--** | **--** |

Note. T, *Hylotelephium spectabile*; C, *Sedum sarmentosum*; H, *Pinus koraiensis*; S, *Pinus sylvestris var. mongolica*; Y, *Populous tomentos*a; L, *Salix babylonica*. Dotted line means the primers didn’t fit the species.

**Table S2 The primers we have selected and the annealing temperature (℃) for RAPD**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **primers** | **T** | **C** | **H** | **S** | **Y** | **L** |
| **01** | **37** | **37** | **36** | **36** | **--** | **36** |
| **02** | **37** | **36** | **36** | **36** | **36** | **36** |
| **03** | **37** | **--** | **--** | **--** | **36** | **36** |
| **04** | **37** | **37** | **36** | **36** | **36** | **36** |
| **05** | **--** | **37** | **--** | **--** | **36** | **36** |
| **06** | **37** | **37** | **36** | **36** | **36** | **36** |
| **07** | **--** | **37** | **36** | **36** | **36** | **36** |
| **08** | **37** | **--** | **36** | **36** | **--** | **--** |
| **09** | **--** | **37** | **36** | **36** | **36** | **37** |
| **10** | **37** | **37** | **36** | **36** | **36** | **--** |
| **11** | **37** | **37** | **36** | **--** | **36** | **--** |
| **12** | **37** | **37** | **37** | **36** | **--** | **36** |
| **13** | **--** | **--** | **--** | **--** | **37** | **36** |
| **14** | **37** | **--** | **--** | **36** | **--** | **--** |

Note. T, *Hylotelephium spectabile*; C, *Sedum sarmentosum*; H, *Pinus koraiensis*; S, *Pinus sylvestris var. mongolica*; Y, *Populous tomentos*a; L, *Salix babylonica*. Dotted line means the primers didn’t fit the species.

**Table S3 The sequences of selected primers for ISSR.**

|  |  |
| --- | --- |
| **primers** | Sequences (from 5’ to 3’ ) |
| **807** | AGAGAGAGAGAGAGAGT |
| **811** | GAGAGAGAGAGAGAGAC |
| **826** | ACACACACACACACACC |
| **827** | ACACACACACACACACG |
| **836** | AGAGAGAGAGAGAGAGYA |
| **842** | GAGAGAGAGAGAGAGAYG |
| **851** | GTGTGTGTGTGTGTGTYG |
| **856** | ACACACACACACACACYA |
| **857** | ACACACACACACACACYG |
| **866** | CTCCTCCTCCTCCTCCTC |
| **873** | GACAGACAGACAGACA |
| **888** | BDBCACACACACACACA |
| **891** | HVHTGTGTGTGTGTGTG |

**Note. Y = (C , T) ,B = (C , G, T),D = (A , G, T), H = (A , C , T),V = (A , C , G)**

|  |  |
| --- | --- |
| **primers** | Sequences (from 5’ to 3’ ) |
| 01 | CGTTGGCCG |
| 02 | GACTGCCTCT |
| 03 | ATCGGCTTGGG |
| 04 | CTTGCCCACG |
| 05 | GTCGTTCCTG |
| 06 | TGAGGGTCCC |
| 07 | CCGCGTCTTG |
| 08 | GGCGAAGGTT |
| 09 | CATCCCCCTG |
| 10 | GGGTAACGCC |
| 11 | GGACTGGAGT |
| 12 | TCGGGGATAG |
| 13 | AGCCAGCGAA |
| 14 | TTCCGAACCC |

**Table S4 The sequences of selected primers for RAPD.**

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**Fig S1 Part of the ISSR and RAPD bands detected by electrophoresis agarose gel.**

M, size standards (100bp Ladder Ⅲ DingGuo, China)