

Table S1. Poplar trees samples, origin, collectors and Herbarium voucher location and number.

| No | Species | Origin of voucher, collectors | Herbarium voucher location and number |
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| 1. | <i>P. deltoides</i> W. Bartram ex Marshall. <i>ssp. monilifera</i> (Ait.) Eckenw. | USA, Colorado, 77. Collector: V.I. Nekrasov, L.S. Plotnikova, I.V. Belolipov. | MHA № 675. |
| 2. | <i>P. deltoides</i> W. Bartram ex Marshall. <i>ssp. monilifera</i> (Ait.) Eckenw. | USA, Texas. 30.04.1986. Collector: Barbara C. Reuter. | MHA № 495. |
| 3. | <i>P. deltoides</i> W. Bartram ex Marshall. <i>ssp. monilifera</i> (Ait.) Eckenw. var. <i>occidentalis</i> Rydh. | Canada, Saskatchewan Landing. 4.06.1970. Collector: J. Locman. | MHA № 14022. |
| 4. | <i>P. deltoides</i> W. Bartram ex Marshall. <i>ssp. monilifera</i> (Ait.) Eckenw | USA, Missouri Monroe County. 12.06.1974. Collector: Jarvis Hudson. | MHA № 363. |
| 5. | <i>P. deltoides</i> W. Bartram ex Marshall. <i>ssp. deltoides</i> | USA, Wyoming. 12.07.1982. Collector: B.E. Nelson. | MHA № 9016. |
| 6. | <i>P. deltoides</i> W. Bartram ex Marshall. “Purple Tower”. <i>ssp. deltoides</i> | Russia, Moscow, Mytyschy nursery. Tymiriazevskaya street, VNIISB. 07.10.2020. Collector: O.S. Alexandrov. | |
| 7. | <i>P. nigra</i> L. | Russia, Moscow, Mylashenkova street, garage opposite Yablochkova street, b. 49. Coordinates: 55°83'05.48", 37°57'46.29" 18.06.2020. Collector: O.S. Alexandrov, T.A. Feodorova. | MW1063503, MW1063505 |
| 8. | <i>P. nigra</i> L. | Russia, Volgograd region, Sredniaya Akhtuba area, Volgo- | MW1063524 |

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| | | Akhtubinskaya floodplain, camp Orlenok, sand river bank. Left tree № 1. 20.08.2018. | |
| 9. | <i>P.nigra</i> L. | Collector: T.A. Feodorova. Russia, Volgograd region, Sredniaya Akhtuba area, Volgo- Akhtubinskaya floodplain, camp Orlenok, sand river bank. Right tree № 2. 20.08.2018. | MW1063525 |
| 10. | <i>P.nigra</i> L. | Collector: T.A. Feodorova. Russia, Volgograd region, Sredniaya Akhtuba area, Volgo- Akhtubinskaya floodplain, camp Orlenok, sand river bank. Right tree № 3. 20.08.2018. | MW1063526 |
| 11. | <i>P nigra</i> L. | Collector: T.A. Feodorova. Russia, Volgograd region, Sredniaya Akhtuba area, Volgo- Akhtubinskaya floodplain, camp Orlenok, sand river bank. Right tree № 4. 20.08.2018. | MW1063527 |
| 12 | <i>P.nigra</i> var. <i>italica</i> Münchh. (= <i>P. nigra</i> L. ssp. <i>pyramidalis</i> Čelak.) | Collector: T.A. Feodorova. Russia, Moscow, Listvennichnaya avenue, (Russian State Agrarian University), bild. 5A, Molecular biotechnology center, tree from branch of tree from Tikhoretsk, Krasnodar region, coordinates of donor tree: 45°85'29.50'', 40°12'19.06'' Coordinates: 55°83'51.90'', 37°55'46.03'' 20.06.2019. Collector: O.S. Alexandrov, | MW1063523 |

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| | | T.A. Feodorova. | |
| 13. | <i>P. × canadensis</i> Moench. (<i>P. nigra</i> L. × <i>P. deltoides</i> W. Bartram ex Marshall) | Russia, Moscow, Ivanovskaia street, b. 3, between parking and sports ground of Dubky, near St. Nicolas church. Coordinates: 55°81'89.16'', 37°56'84.11'' 18.06.2020. Collector: O.S. Alexandrov, T.A. Feodorova. | MW1063509, MW1063512, MW1063516 |
| 14 | <i>P. × canadensis</i> Moench. | Russia, Moscow, Listvennichnaya avenue, (Russian State Agrarian University), bild. 5A, Molecular biotechnology center, tree from branch of tree from Main Botanical Garden RAN collection cutting. Coordinates: 55°83'51.72'', 37°55'55.98'' 12.06.2018. Collector: O.S. Alexandrov, T.A. Feodorova. | MW1063502 |
| 15 | <i>P. × canadensis</i> Moench. | Russia, Krasnodar region, Ukrainsky village. Coordinates: 45°94'86.16'', 39°81'16.56'' 05.07.2017. Collector: I.N. Alexandrova. | |
| 16. | <i>P. × canadensis</i> Moench. | Russia, Krasnodar region, Tikhoretsk, near old hospital. 05.07.2017. Collector: O.S. Alexandrov. | MW1005673 |
| 17 | <i>P. × canadensis</i> Moench. | Russia, Moscow, Mylashenkova street, lawn opposite Yablochkova street, b. 49. Coordinates: 55°83'02.64'', 37°57'51.60'' 18.06.2020. | MW1063508, MW1063520 |

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| | | Collector: O.S. Alexandrov, T.A. Feodorova. | |
| 18. | <i>P. × canadensis</i> Moench. | Russia, Moscow, Large Garden Pond (Russian State Agrarian University), Entrance of the Garden. 25.06.2020. | MW1063511, MW1063517 |
| | | Collector: T.A. Feodorova. | |
| 19. | <i>P. × canadensis</i> Moench. | Russia, Moscow, Large Garden Pond (Russian State Agrarian University), sandy beach, big tree. 25.06.2020. | MW1063507, MW1063518 |
| | | Collector: T.A. Feodorova. | |
| 20. | <i>P. × canadensis</i> Moench. | Russia, Moscow, Large Garden Pond (Russian State Agrarian University), sandy beach, small tree. 25.06.2020. | MW1063510, MW1063519 |
| | | Collector: T.A. Feodorova. | |
| 21. | <i>P. × canadensis</i> Moench. | Russia, Moscow, at intersection of Kostyakova and akad. Lysitsina streets. Coordinates: 55°81'63.65'', 37°56'93.60'' 18.06.2020. | MW1063521, MW1063513 |
| | | Collector: O.S. Alexandrov, T.A. Feodorova. | |
| 22. | <i>P. × canadensis</i> Moench. | Russia, Krasnodar region, Tikhoretsk, near bilding of Tikhoretskaya distance of signaling, centralization and blocking (ShCh-4). Coordinates: 45°85'31.07'', 40°12'04.40'' 05.07.2017. | MW1005672 |
| | | Collector: O.S. Alexandrov. | |
| 23. | <i>P. × canadensis</i> Moench. | Russia, Moscow region, Odintsovskiy area, Lutsino | MW1053522 |

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| | | village, food shop. 23.06.2019. |
| | | Collector: T.A. Feodorova. |
| 24 | <i>P. × canadensis</i> | Russia, Moscow, Mytyschy |
| | Moench. "Serotina | nursery. Tymiriazevskaya |
| | Aurea" | street, VNIISB. |
| | | 07.10.2020. |
| | | Collector: O.S. Alexandrov. |
