

Appendix 1 Collection and locality data of species and populations of *Populus* used in this study.

A) Collected data from the NCBI gene bank

Taxa	Recorded by	Specimen voucher	Label	Locality
<i>Populus tremula</i> x <i>Populus alba</i>	Feng et al., 2013	LiuJQ-XJ-2011-064	<i>P. tremula</i> (KC485085)	China: Xinjiang
<i>Populus pilosa</i>	Feng et al., 2013	LiuJQ-XJ-2011-044-2	<i>P. pilosa</i> (KC485098)	China: Xinjiang
<i>Populus pamirica</i> var. <i>akqiensis</i>	Feng et al., 2013	LiuJQ-FJJ-0204-005	<i>P. pamirica</i> (KC485096)	China: Xinjiang
<i>Populus davidiana</i>	Feng et al., 2013	LiuJQ-QTP-2011-1	<i>P. davidiana</i> (KC485087)	China: Xinjiang
<i>Populus ciliata</i>	Feng et al., 2013	LiuJQ-QTP-2011-092	<i>P. ciliata_voucher</i> (KC485086)	China: Xinjiang
<i>Populus trichocarpa</i> Torr. & A. Gray	Leskinen & Alstrom, 1998	-	<i>P. trichocarpa</i> (AJ006440)	Sweden
<i>Populus alba</i>	Zhao et al., 2012	-	<i>P. alba</i> (JQ898650)	China
<i>Populus deltoides</i>	Zhao et al., 2012	-	<i>P. deltoides</i> (JQ898645)	China
<i>Populus hopeiensis</i>	Zhao et al., 2012	-	<i>P. hopeiensis</i> (JQ898642)	China
<i>Populus nigra</i>	Zhao et al., 2012	-	<i>P. nigra</i> (JQ898641)	China
<i>Populus davidiana</i>	Zhao et al., 2012	-	<i>P. davidiana</i> (JQ898637)	China
<i>Populus euphratica</i> (Euphrates poplar)	Zhao et al., 2012	-	<i>P. euphratica</i> (JQ898635)	China
<i>Populus maximowiczii</i>	Zhao et al., 2012	-	<i>P. maximowiczii</i> (JQ898634)	China
<i>Populus ussuriensis</i>	Zhao et al., 2012	-	<i>P. ussuriensis</i> (JQ898629)	China
<i>Populus lasiocarpa</i>	Zhao et al., 2012	-	<i>P. lasiocarpa</i> (JQ898628)	China

B) Iranian samples collected from the Hyrcanian region

Taxa	Recorded by	Herbarium Code	Label	Locality (Coordinates)
<i>Populus caspica</i> (Unknown)	Collected by authors	Nowshahr, 1535	G1	Iran; Mazandaran; Jouybar (53°20'E; 36°28'N)
		Nowshahr, 1536	G2	Iran; Mazandaran; Jouybar (53°20'E; 36°28'N)
<i>Populus caspica</i> (Unknown)	Collected by authors	Nowshahr, 1537	SD1	Iran; Mazandaran; Sari; Chahardangeh (54°70'E; 29°28'N)
		Nowshahr, 1538	SD2	Iran; Mazandaran; Sari; Chahardangeh (54°70'E; 29°28'N)
<i>Populus caspica</i> (Unknown)	Collected by authors	Nowshahr, 1539	N1	Iran; Mazandaran; Nor; Siahkal (52°96'E; 36°28'N)
		Nowshahr, 1540	NY3	Iran; Mazandaran; Nor; Siahkal (52°96'E; 36°28'N)
		Nowshahr, 1541	CH1	Iran; Mazandaran; Chalos (51°19'E; 36°25'N)
<i>Populus caspica</i> (Unknown)	Collected by authors	Nowshahr, 1542	RH1	Iran; Gilan; Rodbar; Halimejan (49°72'E; 44°40'N)
<i>Populus caspica</i> (Unknown)	Collected by authors	Nowshahr, 1543	RH2	Iran; Gilan; Rodbar; Halimejan (49°72'E; 44°40'N)
<i>Populus caspica</i> (Unknown)	Collected by authors	Nowshahr, 1544	RT1	Iran; Gilan; Talesh (49°75'E; 75°97'N)
		Nowshahr, 1545	RT2	Iran; Gilan; Talesh (49°75'E; 75°97'N)
<i>Populus caspica</i> (Unknown)	Collected by authors	Nowshahr, 1546	SC1	Iran; Gilan; Astaneh ashrafieh (49°27'E; 37°79'N)
		Nowshahr, 1547	SC2	Iran; Gilan; Astaneh ashrafieh (49°27'E; 37°79'N)
<i>Populus alba</i> (Unknown)	Collected by authors	Nowshahr, 1548	SA1	Iran; Gilan; Astaneh ashrafieh (49°27'E; 37°79'N)
		Nowshahr, 1549	SA2	Iran; Gilan; Astaneh ashrafieh (49°27'E; 37°79'N)