

The Nordic Priority Crop Wild Relative Dataset

Aim

The aim of this dataset is to provide a list of the Crop Wild Relatives (CWR) in the Nordic region that are most important for future food security, and to provide basic data on geographic distribution, gene pool affinity, invasiveness, and threat level. The dataset can serve as a basis for Nordic level, as well as national level, conservation planning and implementation.

Material and methods

A comprehensive CWR checklist for all Nordic CWR taxa was developed in 2017 (Fitzgerald et al., 2017). The taxa in this list were prioritized based on socioeconomic value of the related crop(s) and potential utilization value of the CWR for breeding, resulting in the first version of the priority dataset. More information on how the prioritization was performed can be found in Fitzgerald et al. (2019).

In 2021, an update of the dataset was made. Nordic scientists and plant breeders were contacted and asked if, in their opinion, there were taxa missing from the dataset. All suggestions were considered and evaluated for socioeconomic value and utilization potential. The taxa deemed to fulfill the criteria were added to the list. Also, information on national threat category and national invasive category were added, and information on local names and geographic distribution were updated.

Alien and invasive species

The dataset only includes species that are regarded as established in at least one Nordic country for over 10 generations. From the perspective of individual countries, this means that species classified as alien nationally are listed.

This list includes some taxa that are classified as invasive in one or more of the Nordic countries. The inclusion in the list should not be seen as an endorsement of *in situ* conservation (conservation in nature) and local regulations regarding removal of such species should be followed. However, invasive CWR can have traits that could be useful in plant breeding, for example to adapt crops to climate change, and are therefore of potential value. These CWR populations can be collected and conserved *ex situ* in a genebank, if deemed to be of interest.

Limitations and data in GBIF

The purpose of this publication is to give an overview of the Nordic Priority Crop Wild Relative Dataset. The full data set with more details will be published in GBIF.

Acknowledgements

This dataset was developed (Palmé et al. 2019) and updated during several consecutive Nordic projects funded by the Nordic council of ministers.

Nordic priority crop wild relative		Type of occurrence					Genepool and taxon group concepts ¹		Use category		National threat	National invasive
Taxon	Author	ISL	FIN	DNK	NOR	SWE	Crop	Crop relationship	Food	Forage	IUCN category ²	category ²
<i>Allium fistulosum</i>	L.			T	I	T	Welsh onion (<i>Allium fistulosum</i>)	Primary genepool	x		EN ^{NOR}	
							Chives (<i>Allium schoenoprasum</i>)	Tertiary genepool	x			
							Onion (<i>Allium cepa</i>)	Tertiary genepool	x			
							Leek (<i>Allium ampeloprasum</i>)	Tertiary genepool	x			
							Chinese scallion (<i>Allium chinense</i>)	Tertiary genepool	x			
<i>Allium schoenoprasum</i>	L.	T	I	I	I	I	Chives (<i>Allium schoenoprasum</i>)	Primary genepool	x			
							Welsh onion (<i>Allium fistulosum</i>)	Tertiary genepool	x			
							Leek (<i>Allium ampeloprasum</i>)	Tertiary genepool	x			
<i>Allium schoenoprasum</i> subsp. <i>schoenoprasum</i> var. <i>alvareense</i>	Hyl.					I	Chives (<i>Allium schoenoprasum</i>)	Primary genepool	x			
							Welsh onion (<i>Allium fistulosum</i>)	Tertiary genepool	x			
							Leek (<i>Allium ampeloprasum</i>)	Tertiary genepool	x			
<i>Allium schoenoprasum</i> subsp. <i>schoenoprasum</i> var. <i>jurmoense</i>	O.A. Eklund		I			I	Chives (<i>Allium schoenoprasum</i>)	Primary genepool	x			
							Welsh onion (<i>Allium fistulosum</i>)	Tertiary genepool	x			
							Leek (<i>Allium ampeloprasum</i>)	Tertiary genepool	x			
<i>Allium schoenoprasum</i> subsp. <i>schoenoprasum</i>			I	I?	N	I	Chives (<i>Allium schoenoprasum</i>)	Primary genepool	x		NT ^{DNK}	
							Leek (<i>Allium ampeloprasum</i>)	Tertiary genepool	x			
							Chinese scallion (<i>Allium chinense</i>)	Tertiary genepool	x			
<i>Allium schoenoprasum</i> subsp. <i>sibiricum</i>	(L.) Hartm.		I		I	T	Chives (<i>Allium schoenoprasum</i>)	Primary genepool	x		NT ^{FIN}	
							Leek (<i>Allium ampeloprasum</i>)	Tertiary genepool	x			
							Chinese scallion (<i>Allium chinense</i>)	Tertiary genepool	x			
<i>Angelica archangelica</i>	L.	I	I	I	I	I	<i>Angelica</i> (<i>Angelica archangelica</i>)	Primary genepool	x			
<i>Angelica archangelica</i> subsp. <i>archangelica</i>		I	I	I	I	I	<i>Angelica</i> (<i>Angelica archangelica</i>)	Primary genepool	x			
<i>Angelica archangelica</i> subsp. <i>littoralis</i>	(Fr.) Thell.		I	I	I	I	<i>Angelica</i> (<i>Angelica archangelica</i>)	Primary genepool	x			

Nordic priority crop wild relative		Type of occurrence					Genepool and taxon group concepts ¹		Use category		National threat	National invasive
Taxon	Author	ISL	FIN	DNK	NOR	SWE	Crop	Crop relationship	Food	Forage	IUCN category ²	category ²
<i>Apium graveolens</i>	L.		T	I	T	I	Celery (<i>Apium graveolens</i> var. <i>dulce</i>)	Primary genepool	x			
							Celeriac (<i>Apium graveolens</i> var. <i>rapaceum</i>)	Primary genepool	x			
							Leaf celery (<i>Apium graveolens</i> var. <i>secalinum</i>)	Primary genepool	x			
<i>Armoracia rusticana</i>	P. Gaertn., B. Mey. & Scherb.	T	T	N	N	N	Horseradish (<i>Armoracia rusticana</i>)	Primary genepool	x			HI ^{NOR}
							Cabbage/Kale (<i>Brassica oleracea</i>)	Tertiary genepool	x			
<i>Asparagus officinalis</i>	L.		N	I	N	I	Asparagus (<i>Asparagus officinalis</i>)	Primary genepool	x			
<i>Avena fatua</i>	L.	T	N	N	I	I	Oat (<i>Avena sativa</i>)	Primary genepool	x	x		R ^{FIN} , R ^{SWE}
<i>Barbarea stricta</i>	Andrz.	N	I	I	I	I	Land cress (<i>Barbarea verna</i>)	Taxon group 4	x			
<i>Barbarea vulgaris</i>	R. Br.	T	N	N	N	I	Land cress (<i>Barbarea verna</i>)	Taxon group 4	x			SE ^{NOR}
<i>Barbarea vulgaris</i> var. <i>arcuata</i>	(Opiz ex J. Presl & C. Presl) Fr.		N	N	N	I	Land cress (<i>Barbarea verna</i>)	Taxon group 4	x			
<i>Barbarea vulgaris</i> var. <i>vulgaris</i>			N	N	N	I	Land cress (<i>Barbarea verna</i>)	Taxon group 5	x			
<i>Beta vulgaris</i>	L.		T	N	I	N	Sugar beet (<i>Beta vulgaris</i>)	Primary genepool	x	x		
<i>Beta vulgaris</i> subsp. <i>maritima</i>	(L.) Arcang.		T	N	I	N	Sugar beet (<i>Beta vulgaris</i>)	Primary genepool	x	x	VU ^{NOR}	
<i>Brassica elongata</i>	Ehrh.		T	?	N	T	Broccoli (<i>Brassica oleracea</i> var. <i>italica</i>)	Secondary genepool	x			
							Brussels sprouts (<i>Brassica oleracea</i> var. <i>gemmifera</i>)	Secondary genepool	x			
							Cabbage (<i>Brassica oleracea</i>)	Secondary genepool	x			
							Cauliflower (<i>Brassica oleracea</i> var. <i>botrytis</i>)	Secondary genepool	x			
							Chinese cabbage (<i>Brassica rapa</i> subsp. <i>pekinensis</i>)	Secondary genepool	x			
							Chinese kale (<i>Brassica oleracea</i> var. <i>alboglabra</i>)	Secondary genepool	x			
							Collards (<i>Brassica oleracea</i> var. <i>viridis</i>)	Secondary genepool	x			
							Italian turnip (<i>Brassica ruvo</i>)	Secondary genepool	x			
							Jersey Kale (<i>Brassica oleracea</i> var. <i>palmifolia</i>)	Secondary genepool	x			

Nordic priority crop wild relative		Type of occurrence					Genepool and taxon group concepts ¹		Use category		National threat	National invasive
Taxon	Author	ISL	FIN	DNK	NOR	SWE	Crop	Crop relationship	Food	Forage	IUCN category ²	category ²
<i>Brassica elongata</i> (cont.)							Kai sin (<i>Brassica rapa</i> subsp. <i>chinensis</i> var. <i>parachinensis</i>)	Secondary genepool	x			
							Kohlrabi (<i>Brassica oleracea</i> var. <i>gongylodes</i>)	Secondary genepool	x			
							Marrow-stem kale (<i>Brassica oleracea</i> var. <i>medullosa</i>)	Secondary genepool	x			
							Mizuna (<i>Brassica rapa</i> subsp. <i>nipposinica</i>)	Secondary genepool	x			
							Oriental kale (<i>Brassica oleracea</i> var. <i>sabellica</i>)	Secondary genepool	x			
							Pak choi (<i>Brassica rapa</i> subsp. <i>chinensis</i>)	Secondary genepool	x			
							Portugese Kale (<i>Brassica oleracea</i> var. <i>costata</i>)	Secondary genepool	x			
							Purple-stem mustard (<i>Brassica rapa</i> subsp. <i>chinensis</i> var. <i>purpuraria</i>)	Secondary genepool	x			
							Savoy cabbage (<i>Brassica oleracea</i> var. <i>sabauda</i>)	Secondary genepool	x			
							Spinach mustard (<i>Brassica rapa</i> subsp. <i>nipposinica</i> var. <i>perviridis</i>)	Secondary genepool	x			
							Summer turnip rape (<i>Brassica rapa</i> subsp. <i>campestris</i>)	Secondary genepool	x			
							Taasai (<i>Brassica rapa</i> subsp. <i>narinosa</i>)	Secondary genepool	x			
							Thousand-head kale (<i>Brassica oleracea</i> var. <i>ramosa</i>)	Secondary genepool	x			
							Toria (<i>Brassica rapa</i> subsp. <i>dichotoma</i>)	Secondary genepool	x			
							Turnip (<i>Brassica rapa</i>)	Secondary genepool	x			
							Winter turnip rape (<i>Brassica rapa</i> subsp. <i>oleifera</i>)	Secondary genepool	x			
							Yellow sarson (<i>Brassica rapa</i> subsp. <i>trilocularis</i>)	Secondary genepool	x			
							Rape kale (<i>Brassica napus</i>)	Tertiary genepool	x			
							Rutabaga (<i>Brassica napus</i> var. <i>napobrassica</i>)	Tertiary genepool	x			

Nordic priority crop wild relative		Type of occurrence					Genepool and taxon group concepts ¹		Use category		National threat	National invasive
Taxon	Author	ISL	FIN	DNK	NOR	SWE	Crop	Crop relationship	Food	Forage	IUCN category ²	category ²
<i>Brassica elongata</i> subsp. <i>integrifolia</i>	(Boiss.) Breistr.	T	T	N	T		Broccoli (<i>Brassica oleracea</i> var. <i>italica</i>)	Secondary genepool	x			
							Brussels sprouts (<i>Brassica oleracea</i> var. <i>gemmifera</i>)	Secondary genepool	x			
							Cabbage (<i>Brassica oleracea</i>)	Secondary genepool	x			
							Cauliflower (<i>Brassica oleracea</i> var. <i>botrytis</i>)	Secondary genepool	x			
							Chinese cabbage (<i>Brassica rapa</i> subsp. <i>pekinensis</i>)	Secondary genepool	x			
							Chinese kale (<i>Brassica oleracea</i> var. <i>alboglabra</i>)	Secondary genepool	x			
							Collards (<i>Brassica oleracea</i> var. <i>viridis</i>)	Secondary genepool	x			
							Italian turnip (<i>Brassica ruvo</i>)	Secondary genepool	x			
							Jersey Kale (<i>Brassica oleracea</i> var. <i>palmifolia</i>)	Secondary genepool	x			
							Kai sin (<i>Brassica rapa</i> subsp. <i>chinensis</i> var. <i>parachinensis</i>)	Secondary genepool	x			
							Kohlrabi (<i>Brassica oleracea</i> var. <i>gongylodes</i>)	Secondary genepool	x			
							Marrow-stem kale (<i>Brassica oleracea</i> var. <i>medullosa</i>)	Secondary genepool	x			
							Mizuna (<i>Brassica rapa</i> subsp. <i>nipposinica</i>)	Secondary genepool	x			
							Oriental kale (<i>Brassica oleracea</i> var. <i>sabellica</i>)	Secondary genepool	x			
							Pak choi (<i>Brassica rapa</i> subsp. <i>chinensis</i>)	Secondary genepool	x			
							Portugese Kale (<i>Brassica oleracea</i> var. <i>costata</i>)	Secondary genepool	x			
							Purple-stem mustard (<i>Brassica rapa</i> subsp. <i>chinensis</i> var. <i>purpuraria</i>)	Secondary genepool	x			
							Savoy cabbage (<i>Brassica oleracea</i> var. <i>sabauda</i>)	Secondary genepool	x			
							Spinach mustard (<i>Brassica rapa</i> subsp. <i>nipposinica</i> var. <i>perviridis</i>)	Secondary genepool	x			

Nordic priority crop wild relative		Type of occurrence					Genepool and taxon group concepts ¹		Use category		National threat	National invasive
Taxon	Author	ISL	FIN	DNK	NOR	SWE	Crop	Crop relationship	Food	Forage	IUCN category ²	category ²
<i>Brassica elongata</i> subsp. <i>integrifolia</i> (cont.)							Summer turnip rape (<i>Brassica rapa</i> subsp. <i>campestris</i>)	Secondary genepool	x			
							Taasai (<i>Brassica rapa</i> subsp. <i>narinosa</i>)	Secondary genepool	x			
							Thousand-head kale (<i>Brassica oleracea</i> var. <i>ramosa</i>)	Secondary genepool	x			
							Toria (<i>Brassica rapa</i> subsp. <i>dichotoma</i>)	Secondary genepool	x			
							Turnip (<i>Brassica rapa</i>)	Secondary genepool	x			
							Winter turnip rape (<i>Brassica rapa</i> subsp. <i>oleifera</i>)	Secondary genepool	x			
							Yellow sarson (<i>Brassica rapa</i> subsp. <i>trilocularis</i>)	Secondary genepool	x			
							Rape kale (<i>Brassica napus</i>)	Tertiary genepool	x			
							Rutabaga (<i>Brassica napus</i> var. <i>napobrassica</i>)	Tertiary genepool	x			
<i>Brassica nigra</i>	(L.) W. D. J. Koch	T	N	N	N		Black mustard (<i>Brassica nigra</i>)	Primary genepool	x			
							Big-stem mustard (<i>Brassica juncea</i> subsp. <i>tsatsai</i> var. <i>tumida</i>)	Secondary genepool	x			
							Broccoli (<i>Brassica oleracea</i> var. <i>italica</i>)	Secondary genepool	x			
							Brown mustard (<i>Brassica juncea</i> subsp. <i>juncea</i>)	Secondary genepool	x			
							Brussels sprouts (<i>Brassica oleracea</i> var. <i>gemmifera</i>)	Secondary genepool	x			
							Cabbage (<i>Brassica oleracea</i>)	Secondary genepool	x			
							Cauliflower (<i>Brassica oleracea</i> var. <i>botrytis</i>)	Secondary genepool	x			
							Chicken mustard (<i>Brassica juncea</i> subsp. <i>tsatsai</i> var. <i>multiceps</i>)	Secondary genepool	x			
							Chinese kale (<i>Brassica oleracea</i> var. <i>alboglabra</i>)	Secondary genepool	x			
							Collards (<i>Brassica oleracea</i> var. <i>viridis</i>)	Secondary genepool	x			
							Cut-leaf mustard (<i>Brassica juncea</i> subsp. <i>integrifolia</i> var. <i>crispifolia</i>)	Secondary genepool	x			
							Ethiopian cabbage (<i>Brassica carinata</i>)	Secondary genepool	x			

Nordic priority crop wild relative		Type of occurrence					Genepool and taxon group concepts ¹		Use category		National threat	National invasive
Taxon	Author	ISL	FIN	DNK	NOR	SWE	Crop	Crop relationship	Food	Forage	IUCN category ²	category ²
<i>Brassica nigra</i> (cont.)							Hakka mustard (<i>Brassica juncea</i> subsp. <i>integrifolia</i> var. <i>longidens</i>)	Secondary genepool	x			
							Head mustard (<i>Brassica juncea</i> subsp. <i>integrifolia</i> var. <i>rugosa</i>)	Secondary genepool	x			
							Jersey Kale (<i>Brassica oleracea</i> var. <i>palmifolia</i>)	Secondary genepool	x			
							Kohlrabi (<i>Brassica oleracea</i> var. <i>gongylodes</i>)	Secondary genepool	x			
							Large-petiole mustard (<i>Brassica juncea</i> subsp. <i>integrifolia</i> var. <i>strumata</i>)	Secondary genepool	x			
							Leaf mustard (<i>Brassica juncea</i> subsp. <i>integrifolia</i> var. <i>subintegrifolia</i>)	Secondary genepool	x			
							Marrow-stem kale (<i>Brassica oleracea</i> var. <i>medullosa</i>)	Secondary genepool	x			
							Mustard (<i>Brassica juncea</i>)	Secondary genepool	x			
							Oriental kale (<i>Brassica oleracea</i> var. <i>sabellica</i>)	Secondary genepool	x			
							Portugese Kale (<i>Brassica oleracea</i> var. <i>costata</i>)	Secondary genepool	x			
							Root mustard (<i>Brassica juncea</i> subsp. <i>napiformis</i>)	Secondary genepool	x			
							Savoy cabbage (<i>Brassica oleracea</i> var. <i>sabauda</i>)	Secondary genepool	x			
							Takana mustard (<i>Brassica juncea</i> subsp. <i>integrifolia</i> var. <i>integrifolia</i>)	Secondary genepool	x			
							Thousand-head kale (<i>Brassica oleracea</i> var. <i>ramosa</i>)	Secondary genepool	x			
							Chinese cabbage (<i>Brassica rapa</i> subsp. <i>pekinensis</i>)	Tertiary genepool	x			
							Italian turnip (<i>Brassica ruvo</i>)	Tertiary genepool	x			
							Kai sin (<i>Brassica rapa</i> subsp. <i>chinensis</i> var. <i>parachinensis</i>)	Tertiary genepool	x			
							Mizuna (<i>Brassica rapa</i> subsp. <i>nipposinica</i>)	Tertiary genepool	x			
							Oil rape (<i>Brassica napus</i>)	Tertiary genepool	x			

Nordic priority crop wild relative		Type of occurrence					Genepool and taxon group concepts ¹		Use category		National threat	National invasive
Taxon	Author	ISL	FIN	DNK	NOR	SWE	Crop	Crop relationship	Food	Forage	IUCN category ²	category ²
<i>Brassica nigra</i> (cont.)							Pak choi (<i>Brassica rapa</i> subsp. <i>chinensis</i>)	Tertiary genepool	x			
							Purple-stem mustard (<i>Brassica rapa</i> subsp. <i>chinensis</i> var. <i>purpuraria</i>)	Tertiary genepool	x			
							Rape kale (<i>Brassica napus</i>)	Tertiary genepool	x			
							Rutabaga (<i>Brassica napus</i> var. <i>napobrassica</i>)	Tertiary genepool	x			
							Spinach mustard (<i>Brassica rapa</i> subsp. <i>nipposinica</i> var. <i>perviridis</i>)	Tertiary genepool	x			
							Summer turnip rape (<i>Brassica rapa</i> subsp. <i>campestris</i>)	Tertiary genepool	x			
							Taasai (<i>Brassica rapa</i> subsp. <i>narinosa</i>)	Tertiary genepool	x			
							Toria (<i>Brassica rapa</i> subsp. <i>dichotoma</i>)	Tertiary genepool	x			
							Turnip (<i>Brassica rapa</i>)	Tertiary genepool	x			
							Turnip (<i>Brassica rapa</i>)	Tertiary genepool	x			
							Winter turnip rape (<i>Brassica rapa</i> subsp. <i>oleifera</i>)	Tertiary genepool	x			
							Yellow sarson (<i>Brassica rapa</i> subsp. <i>trilocularis</i>)	Tertiary genepool	x			
<i>Brassica rapa</i>	L.		T	N	I	I	Chinese cabbage (<i>Brassica rapa</i> subsp. <i>pekinensis</i>)	Primary genepool	x			
							Italian turnip (<i>Brassica ruvo</i>)	Primary genepool	x			
							Kai sin (<i>Brassica rapa</i> subsp. <i>chinensis</i> var. <i>parachinensis</i>)	Primary genepool	x			
							Mizuna (<i>Brassica rapa</i> subsp. <i>nipposinica</i>)	Primary genepool	x			
							Pak choi (<i>Brassica rapa</i> subsp. <i>chinensis</i>)	Primary genepool	x			
							Purple-stem mustard (<i>Brassica rapa</i> subsp. <i>chinensis</i> var. <i>purpuraria</i>)	Primary genepool	x			
							Spinach mustard (<i>Brassica rapa</i> subsp. <i>nipposinica</i> var. <i>perviridis</i>)	Primary genepool	x			
							Summer turnip rape (<i>Brassica rapa</i> subsp. <i>campestris</i>)	Primary genepool	x			
							Taasai (<i>Brassica rapa</i> subsp. <i>narinosa</i>)	Primary genepool	x			

Nordic priority crop wild relative		Type of occurrence					Genepool and taxon group concepts ¹		Use category		National threat	National invasive
Taxon	Author	ISL	FIN	DNK	NOR	SWE	Crop	Crop relationship	Food	Forage	IUCN category ²	category ²
<i>Brassica rapa</i> (cont.)							Toria (<i>Brassica rapa</i> subsp. <i>dichotoma</i>)	Primary genepool	x			
							Turnip (<i>Brassica rapa</i>)	Primary genepool	x			
							Winter turnip rape (<i>Brassica rapa</i> subsp. <i>oleifera</i>)	Primary genepool	x			
							Yellow sarson (<i>Brassica rapa</i> subsp. <i>trilocularis</i>)	Primary genepool	x			
							Broccoli (<i>Brassica oleracea</i> var. <i>italica</i>)	Secondary genepool	x			
							Brussels sprouts (<i>Brassica oleracea</i> var. <i>gemmifera</i>)	Secondary genepool	x			
							Cabbage (<i>Brassica oleracea</i>)	Secondary genepool	x			
							Cauliflower (<i>Brassica oleracea</i> var. <i>botrytis</i>)	Secondary genepool	x			
							Chinese kale (<i>Brassica oleracea</i> var. <i>alboglabra</i>)	Secondary genepool	x			
							Collards (<i>Brassica oleracea</i> var. <i>viridis</i>)	Secondary genepool	x			
							Ethiopian cabbage (<i>Brassica carinata</i>)	Secondary genepool	x			
							Jersey Kale (<i>Brassica oleracea</i> var. <i>palmifolia</i>)	Secondary genepool	x			
							Kohlrabi (<i>Brassica oleracea</i> var. <i>gongylodes</i>)	Secondary genepool	x			
							Marrow-stem kale (<i>Brassica oleracea</i> var. <i>medullosa</i>)	Secondary genepool	x			
							Oil rape (<i>Brassica napus</i>)	Secondary genepool	x			
							Oriental kale (<i>Brassica oleracea</i> var. <i>sabellica</i>)	Secondary genepool	x			
							Portugese Kale (<i>Brassica oleracea</i> var. <i>costata</i>)	Secondary genepool	x			
							Rape kale (<i>Brassica napus</i>)	Secondary genepool	x			
							Rutabaga (<i>Brassica napus</i> var. <i>napobrassica</i>)	Secondary genepool	x			
							Savoy cabbage (<i>Brassica oleracea</i> var. <i>sabauda</i>)	Secondary genepool	x			
							Thousand-head kale (<i>Brassica oleracea</i> var. <i>ramosa</i>)	Secondary genepool	x			
							Mustard (<i>Brassica juncea</i>)	Tertiary genepool	x			

Nordic priority crop wild relative		Type of occurrence					Genepool and taxon group concepts ¹		Use category		National threat	National invasive
Taxon	Author	ISL	FIN	DNK	NOR	SWE	Crop	Crop relationship	Food	Forage	IUCN category ²	category ²
<i>Brassica rapa</i> (cont.)							Big-stem mustard (<i>Brassica juncea</i> subsp. tsatsai var. tumida)	Tertiary genepool	x			
							Black mustard (<i>Brassica nigra</i>)	Tertiary genepool	x			
							Brown mustard (<i>Brassica juncea</i> subsp. <i>juncea</i>)	Tertiary genepool	x			
							Chicken mustard (<i>Brassica juncea</i> subsp. tsatsai var. multiceps)	Tertiary genepool	x			
							Cut-leaf mustard (<i>Brassica juncea</i> subsp. <i>integrifolia</i> var. <i>crispifolia</i>)	Tertiary genepool	x			
							Hakka mustard (<i>Brassica juncea</i> subsp. <i>integrifolia</i> var. <i>longidens</i>)	Tertiary genepool	x			
							Head mustard (<i>Brassica juncea</i> subsp. <i>integrifolia</i> var. <i>rugosa</i>)	Tertiary genepool	x			
							Large-petiole mustard (<i>Brassica juncea</i> subsp. <i>integrifolia</i> var. <i>strumata</i>)	Tertiary genepool	x			
							Leaf mustard (<i>Brassica juncea</i> subsp. <i>integrifolia</i> var. <i>subintegrifolia</i>)	Tertiary genepool	x			
							Root mustard (<i>Brassica juncea</i> subsp. <i>napiformis</i>)	Tertiary genepool	x			
							Takana mustard (<i>Brassica juncea</i> subsp. <i>integrifolia</i> var. <i>integrifolia</i>)	Tertiary genepool	x			
							Chinese cabbage (<i>Brassica rapa</i> subsp. <i>pekinensis</i>)	Primary genepool	x		NT ^{SWE}	
							Italian turnip (<i>Brassica ruvo</i>)	Primary genepool	x			
<i>Brassica rapa</i> subsp. <i>campestris</i>	(L.) Clapham	T	N	I	I		Kai sin (<i>Brassica rapa</i> subsp. <i>chinensis</i> var. <i>parachinensis</i>)	Primary genepool	x			
							Mizuna (<i>Brassica rapa</i> subsp. <i>nipposinica</i>)	Primary genepool	x			
							Pak choi (<i>Brassica rapa</i> subsp. <i>chinensis</i>)	Primary genepool	x			
							Purple-stem mustard (<i>Brassica rapa</i> subsp. <i>chinensis</i> var. <i>purpuraria</i>)	Primary genepool	x			
							Spinach mustard (<i>Brassica rapa</i> subsp. <i>nipposinica</i> var. <i>perviridis</i>)	Primary genepool	x			
							Summer turnip rape (<i>Brassica rapa</i> subsp. <i>campestris</i>)	Primary genepool	x			

Nordic priority crop wild relative		Type of occurrence					Genepool and taxon group concepts ¹		Use category		National threat	National invasive
Taxon	Author	ISL	FIN	DNK	NOR	SWE	Crop	Crop relationship	Food	Forage	IUCN category ²	category ²
<i>Brassica rapa</i> subsp. <i>campestris</i> (cont.)							Taasai (<i>Brassica rapa</i> subsp. <i>narinosa</i>)	Primary genepool	x			
							Toria (<i>Brassica rapa</i> subsp. <i>dichotoma</i>)	Primary genepool	x			
							Turnip (<i>Brassica rapa</i>)	Primary genepool	x			
							Winter turnip rape (<i>Brassica rapa</i> subsp. <i>oleifera</i>)	Primary genepool	x			
							Yellow sarson (<i>Brassica rapa</i> subsp. <i>trilocularis</i>)	Primary genepool	x			
							Broccoli (<i>Brassica oleracea</i> var. <i>italica</i>)	Secondary genepool	x			
							Brussels sprouts (<i>Brassica oleracea</i> var. <i>gemmifera</i>)	Secondary genepool	x			
							Cabbage (<i>Brassica oleracea</i>)	Secondary genepool	x			
							Cauliflower (<i>Brassica oleracea</i> var. <i>botrytis</i>)	Secondary genepool	x			
							Chinese kale (<i>Brassica oleracea</i> var. <i>alboglabra</i>)	Secondary genepool	x			
							Collards (<i>Brassica oleracea</i> var. <i>viridis</i>)	Secondary genepool	x			
							Ethiopian cabbage (<i>Brassica carinata</i>)	Secondary genepool	x			
							Jersey Kale (<i>Brassica oleracea</i> var. <i>palmifolia</i>)	Secondary genepool	x			
							Kohlrabi (<i>Brassica oleracea</i> var. <i>gongylodes</i>)	Secondary genepool	x			
							Marrow-stem kale (<i>Brassica oleracea</i> var. <i>medullosa</i>)	Secondary genepool	x			
							Oil rape (<i>Brassica napus</i>)	Secondary genepool	x			
							Oriental kale (<i>Brassica oleracea</i> var. <i>sabellica</i>)	Secondary genepool	x			
							Portugese Kale (<i>Brassica oleracea</i> var. <i>costata</i>)	Secondary genepool	x			
							Rape kale (<i>Brassica napus</i>)	Secondary genepool	x			
							Rutabaga (<i>Brassica napus</i> var. <i>napobrassica</i>)	Secondary genepool	x			
							Savoy cabbage (<i>Brassica oleracea</i> var. <i>sabauda</i>)	Secondary genepool	x			

Nordic priority crop wild relative		Type of occurrence					Genepool and taxon group concepts ¹		Use category		National threat	National invasive
Taxon	Author	ISL	FIN	DNK	NOR	SWE	Crop	Crop relationship	Food	Forage	IUCN category ²	category ²
<i>Brassica rapa</i> subsp. <i>campestris</i> (cont.)							Thousand-head kale (<i>Brassica oleracea</i> var. <i>ramosa</i>)	Secondary genepool	x			
							Mustard (<i>Brassica juncea</i>)	Tertiary genepool	x			
							Big-stem mustard (<i>Brassica juncea</i> subsp. <i>tsatsai</i> var. <i>tumida</i>)	Tertiary genepool	x			
							Black mustard (<i>Brassica nigra</i>)	Tertiary genepool	x			
							Brown mustard (<i>Brassica juncea</i> subsp. <i>juncea</i>)	Tertiary genepool	x			
							Chicken mustard (<i>Brassica juncea</i> subsp. <i>tsatsai</i> var. <i>multiceps</i>)	Tertiary genepool	x			
							Cut-leaf mustard (<i>Brassica juncea</i> subsp. <i>integrifolia</i> var. <i>crispifolia</i>)	Tertiary genepool	x			
							Hakka mustard (<i>Brassica juncea</i> subsp. <i>integrifolia</i> var. <i>longidens</i>)	Tertiary genepool	x			
							Head mustard (<i>Brassica juncea</i> subsp. <i>integrifolia</i> var. <i>rugosa</i>)	Tertiary genepool	x			
							Large-petiole mustard (<i>Brassica juncea</i> subsp. <i>integrifolia</i> var. <i>strumata</i>)	Tertiary genepool	x			
							Leaf mustard (<i>Brassica juncea</i> subsp. <i>integrifolia</i> var. <i>subintegrifolia</i>)	Tertiary genepool	x			
							Root mustard (<i>Brassica juncea</i> subsp. <i>napiformis</i>)	Tertiary genepool	x			
							Takana mustard (<i>Brassica juncea</i> subsp. <i>integrifolia</i> var. <i>integrifolia</i>)	Tertiary genepool	x			
<i>Carum carvi</i>	L.	N	N	I	I	I	Caraway (<i>Carum carvi</i>)	Primary genepool	x			
<i>Cichorium intybus</i>	L.		N	N	N	I	Chicory (<i>Cichorium intybus</i>)	Primary genepool	x			
							Endive (<i>Cichorium endivia</i>)	Secondary genepool	x			
<i>Cichorium intybus</i> var. <i>intybus</i>				N		I	Chicory (<i>Cichorium intybus</i>)	Primary genepool	x			
							Endive (<i>Cichorium endivia</i>)	Secondary genepool				
<i>Corylus avellana</i>	L.		I	I	I	I	Hazelnut (<i>Corylus avellana</i>)	Primary genepool	x			
<i>Crambe maritima</i>	L.		I	I	I	I	Abyssinian kale (<i>Crambe hispanica</i>)	Taxon group 4	x			
							Sea kale (<i>Crambe maritima</i>)	Primary genepool	x			
<i>Dactylis glomerata</i>		N	N	I	I	I	Orchard grass (<i>Dactylis glomerata</i>)	Primary genepool		x		

Nordic priority crop wild relative		Type of occurrence					Genepool and taxon group concepts ¹		Use category		National threat	National invasive
Taxon	Author	ISL	FIN	DNK	NOR	SWE	Crop	Crop relationship	Food	Forage	IUCN category ²	category ²
<i>Daucus carota</i>	L.	T	T	I	N	I	Carrot (<i>Daucus carota</i>)	Primary genepool	x	x		
<i>Daucus carota</i> subsp. <i>carota</i>			T	I	N	I	Carrot (<i>Daucus carota</i>)	Primary genepool	x	x		
<i>Daucus carota</i> subsp. <i>gummifer</i>	(Syme) Hook. f.			I			Carrot (<i>Daucus carota</i>)	Primary genepool	x	x		
<i>Diplotaxis muralis</i>	(L.) DC.		N	N	N	N	Rocket (<i>Diplotaxis tenuifolia</i>)	Taxon group 4	x			
<i>Diplotaxis tenuifolia</i>	(L.) DC.		T	N	N	N	Rocket (<i>Diplotaxis tenuifolia</i>)	Primary genepool	x			
<i>Elymus alopec</i>	Salomon	I					Wheat (<i>Triticum aestivum</i>)	Tertiary genepool	x			
<i>Elymus caninus</i>	(L.) L.		I	I	I	I	Wheat (<i>Triticum aestivum</i>)	Tertiary genepool	x			
<i>Elymus caninus</i> var. <i>behmii</i>	(Melderis) Jaaska					I	Wheat (<i>Triticum aestivum</i>)	Tertiary genepool	x			
<i>Elymus caninus</i> var. <i>caninus</i>			I	I	I	I	Wheat (<i>Triticum aestivum</i>)	Tertiary genepool	x		NT ^{NOR}	
<i>Elymus caninus</i> var. <i>muticus</i>	(Holmb.) Karlsson				I	I	Wheat (<i>Triticum aestivum</i>)	Tertiary genepool	x			
<i>Elymus fibrosus</i>	(Schrenk) Tzvelev		I		I		Wheat (<i>Triticum aestivum</i>)	Tertiary genepool	x		EN ^{NOR}	
<i>Elymus kronokensis</i>	(Kom.) Tzvelev	I	I		I	I	Wheat (<i>Triticum aestivum</i>)	Tertiary genepool	x		NT ^{FIN}	
<i>Elymus kronokensis</i> subsp. <i>borealis</i>	(Turcz.) Tzvelev	I			?		Wheat (<i>Triticum aestivum</i>)	Tertiary genepool	x			
<i>Elymus kronokensis</i> subsp. <i>scandicus</i>	(Nevski) Tzvelev		I		I	I	Wheat (<i>Triticum aestivum</i>)	Tertiary genepool	x			
<i>Elymus kronokensis</i> subsp. <i>subalpinus</i>	(Neuman) Tzvelev				I	I	Wheat (<i>Triticum aestivum</i>)	Tertiary genepool	x			
<i>Elymus mutabilis</i>	(Drobow) Tzvelev		I		I	I	Wheat (<i>Triticum aestivum</i>)	Tertiary genepool	x			
<i>Erucastrum gallicum</i>	(Willd.) O. E. Schulz	T	N	N	N	N	Oil rape (<i>Brassica napus</i>)	Secondary genepool	x			
							Turnip (<i>Brassica rapa</i>)	Secondary genepool	x			
							Ethiopian cabbage (<i>Brassica carinata</i>)	Tertiary genepool	x			
							Mustard (<i>Brassica juncea</i>)	Tertiary genepool	x			
<i>Festuca arenaria</i>	Osbeck		I	I	I	I	Red fescue (<i>Festuca rubra</i>)	Primary genepool		x		
<i>Festuca brevipila</i>	Tracey.		N	I	I	N	Hard fescue (<i>Festuca brevipila</i>)	Primary genepool		x		SE ^{SWE}
<i>Festuca ovina</i>	L.	T	I	I	I	I	Sheep's fescue (<i>Festuca ovina</i>)	Primary genepool		x		

Nordic priority crop wild relative		Type of occurrence					Genepool and taxon group concepts ¹		Use category		National threat	National invasive
Taxon	Author	ISL	FIN	DNK	NOR	SWE	Crop	Crop relationship	Food	Forage	IUCN category ²	category ²
<i>Festuca rubra</i>	L.	I	I	I	I	I	Red fescue (<i>Festuca rubra</i>)	Primary genepool		x		
<i>Festuca rubra</i> subsp. <i>arctica</i>	(Hack.) Govor.	I	I		I	I	Red fescue (<i>Festuca rubra</i>)	Primary genepool		x		
<i>Festuca rubra</i> subsp. <i>commutata</i>	Gaudin		N	N	N	I	Red fescue (<i>Festuca rubra</i>)	Primary genepool		x		SE ^{NOR}
<i>Festuca rubra</i> subsp. <i>juncea</i>	(Hack.) K. Richter		N	I	?	I	Red fescue (<i>Festuca rubra</i>)	Primary genepool		x		
<i>Festuca rubra</i> subsp. <i>litoralis</i>	(G. Mey.) Auquier			I	?	?	Red fescue (<i>Festuca rubra</i>)	Primary genepool		x		
<i>Festuca rubra</i> subsp. <i>megastachys</i>	Gaudin		T	N	N	T	Red fescue (<i>Festuca rubra</i>)	Primary genepool		x		HI ^{NOR}
<i>Festuca rubra</i> subsp. <i>oelandica</i>	(Hack.) Nyman					I	Red fescue (<i>Festuca rubra</i>)	Primary genepool		x		
<i>Festuca rubra</i> subsp. <i>rubra</i>		N	I	I	I	I	Red fescue (<i>Festuca rubra</i>)	Primary genepool		x		
<i>Fragaria × ananassa</i>	(Weston) Decne. & Naudin		N	N	N	N	Strawberry (<i>Fragaria × ananassa</i>)	Primary genepool	x			
<i>Fragaria moschata</i>	Weston	T	N	N	N	N	Strawberry (<i>Fragaria × ananassa</i>)	Tertiary genepool	x			HI ^{SWE} , HI ^{NOR}
<i>Fragaria vesca</i>	L.	I	I	I	I	I	Strawberry (<i>Fragaria × ananassa</i>)	Tertiary genepool	x			
<i>Fragaria viridis</i>	Weston		N	I	I	I	Strawberry (<i>Fragaria × ananassa</i>)	Tertiary genepool	x		VU ^{FIN} , NT ^{DNK} , NT ^{NOR}	
<i>Hordeum jubatum</i>	L.	T	N	N	N	N	Barley (<i>Hordeum vulgare</i>)	Tertiary genepool	x			
							Rye (<i>Secale cereale</i>)	Tertiary genepool	x			
<i>Humulus lupulus</i>	L.		I	I	I	I	Hop (<i>Humulus lupulus</i>)	Primary genepool	x			
<i>Juglans regia</i>	L.			N	N	N	English walnut (<i>Juglans regia</i>)	Primary genepool	x			
							Japanese walnut (<i>Juglans ailantifolia</i>)	Tertiary genepool	x			
							Black walnut (<i>Juglans nigra</i>)	Tertiary genepool	x			
<i>Lactuca quercina</i>	L.					I	Lettuce (<i>Lactuca sativa</i>)	Tertiary genepool	x		EN ^{SWE}	
							Head lettuce (<i>Lactuca sativa</i> var. <i>capitata</i>)	Tertiary genepool	x			
							Leaf lettuce (<i>Lactuca sativa</i> var. <i>crispa</i>)	Tertiary genepool	x			
							Romaine lettuce (<i>Lactuca sativa</i> var. <i>longifolia</i>)	Tertiary genepool	x			
							Stalk lettuce (<i>Lactuca sativa</i> var. <i>angustana</i>)	Tertiary genepool	x			

Nordic priority crop wild relative		Type of occurrence					Genepool and taxon group concepts ¹		Use category		National threat	National invasive
Taxon	Author	ISL	FIN	DNK	NOR	SWE	Crop	Crop relationship	Food	Forage	IUCN category ²	category ²
<i>Lactuca quercina</i> var. <i>quersina</i>						I	Lettuce (<i>Lactuca sativa</i>)	Tertiary genepool	x			
							Head lettuce (<i>Lactuca sativa</i> var. <i>capitata</i>)	Tertiary genepool	x			
							Leaf lettuce (<i>Lactuca sativa</i> var. <i>crispa</i>)	Tertiary genepool	x			
							Romaine lettuce (<i>Lactuca sativa</i> var. <i>longifolia</i>)	Tertiary genepool	x			
							Stalk lettuce (<i>Lactuca sativa</i> var. <i>angustana</i>)	Tertiary genepool	x			
<i>Lactuca serriola</i>	L.	T	N	N	N	N	Lettuce (<i>Lactuca sativa</i>)	Primary genepool	x			SE ^{NOR}
							Head lettuce (<i>Lactuca sativa</i> var. <i>capitata</i>)	Tertiary genepool	x			
							Leaf lettuce (<i>Lactuca sativa</i> var. <i>crispa</i>)	Tertiary genepool	x			
							Romaine lettuce (<i>Lactuca sativa</i> var. <i>longifolia</i>)	Tertiary genepool	x			
							Stalk lettuce (<i>Lactuca sativa</i> var. <i>angustana</i>)	Tertiary genepool	x			
<i>Lactuca sibirica</i>	(L.) Benth. ex Maxim.	I			I	I	Lettuce (<i>Lactuca sativa</i>)	Tertiary genepool	x			
							Head lettuce (<i>Lactuca sativa</i> var. <i>capitata</i>)	Tertiary genepool	x			
							Leaf lettuce (<i>Lactuca sativa</i> var. <i>crispa</i>)	Tertiary genepool	x			
							Romaine lettuce (<i>Lactuca sativa</i> var. <i>longifolia</i>)	Tertiary genepool	x			
							Stalk lettuce (<i>Lactuca sativa</i> var. <i>angustana</i>)	Tertiary genepool	x			
<i>Lactuca tatarica</i>	(L.) C. A. Mey.		N	N	T	N	Lettuce (<i>Lactuca sativa</i>)	Tertiary genepool	x			SE ^{SWE}
							Head lettuce (<i>Lactuca sativa</i> var. <i>capitata</i>)	Tertiary genepool	x			
							Leaf lettuce (<i>Lactuca sativa</i> var. <i>crispa</i>)	Tertiary genepool	x			
							Romaine lettuce (<i>Lactuca sativa</i> var. <i>longifolia</i>)	Tertiary genepool	x			
							Stalk lettuce (<i>Lactuca sativa</i> var. <i>angustana</i>)	Tertiary genepool	x			
<i>Leymus arenarius</i>	(L.) Hochst.	I	I	I	I	I	Wheat (<i>Triticum aestivum</i>)	Tertiary genepool	x			

Nordic priority crop wild relative		Type of occurrence					Genepool and taxon group concepts ¹		Use category		National threat	National invasive
Taxon	Author	ISL	FIN	DNK	NOR	SWE	Crop	Crop relationship	Food	Forage	IUCN category ²	category ²
<i>Lolium multiflorum</i>	Lam.	T	N	N	N	N	Italian ryegrass (<i>Lolium multiflorum</i>)	Primary genepool	x	x		HI ^{SWE}
<i>Lolium perenne</i>	L.	T	N	I/N	N	I	Perennial ryegrass (<i>Lolium perenne</i>)	Primary genepool	x	x		
<i>Malus domestica</i>	Borkh.	T	N	N	N	N	Apple (<i>Malus domestica</i>)	Primary genepool	x			
<i>Malus sylvestris</i>	Mill.		I	I	I	I	Apple (<i>Malus domestica</i>)	Primary genepool	x		VU ^{FIN} , VU ^{NOR}	
<i>Medicago lupulina</i>	L.	T	N	I	I	I	Black medick (<i>Medicago lupulina</i>)	Primary genepool	x	x		
<i>Medicago sativa</i>	L.	T		I		I	Alfalfa (<i>Medicago sativa</i>)	Primary genepool	x	x		
<i>Medicago sativa</i> subsp. <i>× varia</i>	(Martyn) Arcang.		T	N	N	N	Alfalfa (<i>Medicago sativa</i>)	Primary genepool	x	x		
<i>Medicago sativa</i> subsp. <i>falcata</i>	(L.) Arcang.		N	I	N	I	Alfalfa (<i>Medicago sativa</i>)	Primary genepool	x	x		
<i>Medicago sativa</i> subsp. <i>sativa</i>			T	N	N	N	Alfalfa (<i>Medicago sativa</i>)	Primary genepool	x	x		
<i>Mentha aquatica</i>	L.	N	I	I	I	I	Bergamot Mint (<i>Mentha aquatica</i> var. <i>citrata</i>)	Primary genepool	x			
							Peppermint (<i>Mentha × piperita</i>)	Primary genepool	x			
<i>Mentha aquatica</i> subsp. <i>aquatica</i>		N	I	I		I	Bergamot Mint (<i>Mentha aquatica</i> var. <i>citrata</i>)	Primary genepool	x			
							Peppermint (<i>Mentha × piperita</i>)	Primary genepool	x			
<i>Mentha aquatica</i> subsp. <i>litoralis</i>	Hartm.		I			I	Bergamot Mint (<i>Mentha aquatica</i> var. <i>citrata</i>)	Primary genepool	x		NT ^{FIN}	
							Peppermint (<i>Mentha × piperita</i>)	Primary genepool	x			
<i>Mentha arvensis</i>	L.	T	I	I	I	I	Corn Mint (<i>Mentha arvensis</i>)	Primary genepool	x			
							Japanese corn mint (<i>Mentha canadensis</i>)	Primary genepool	x			
<i>Phleum alpinum</i>	L.	I	I		I	I	Timothy (<i>Phleum pratense</i>)	Primary genepool		x		
<i>Phleum arenarium</i>	L.		T	I	I	I	Timothy (<i>Phleum pratense</i>)	Taxongroup 4		x	CR ^{NOR}	
<i>Phleum phleoides</i>	(L.) H. Karst.		I	I	I	I	Timothy (<i>Phleum pratense</i>)	Taxongroup 4		x	VU ^{NOR}	
<i>Phleum pratense</i>	L.	N	I	I	I	I	Timothy (<i>Phleum pratense</i>)	Primary genepool		x		
<i>Phleum pratense</i> subsp. <i>nodosum</i>	(L.) Dumort.		N	I	I	I	Timothy (<i>Phleum pratense</i>)	Primary genepool		x	NT ^{FIN}	
<i>Phleum pratense</i> subsp. <i>pratense</i>			N	N	N	I	Timothy (<i>Phleum pratense</i>)	Primary genepool		x		
<i>Poa alpina</i>	L.	I	I		I	I	Alpine bluegrass (<i>Poa alpina</i>)	Primary genepool		x		
<i>Poa palustris</i>	L.	T	I	I	I	I	Fowl bluegrass (<i>Poa palustris</i>)	Primary genepool		x		
<i>Poa pratensis</i>	L.	I	I	I	I	I	Kentucky bluegrass (<i>Poa pratensis</i>)	Primary genepool		x		

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<i>Poa pratensis subsp. alpigena</i>	(Fr.) Hiitonen	I	I		I	I	Kentucky bluegrass (<i>Poa pratensis</i>)	Primary genepool		x		
<i>Poa pratensis subsp. angustifolia</i>	(L.) Gaudin		I	I	I	I	Kentucky bluegrass (<i>Poa pratensis</i>)	Primary genepool		x		
<i>Poa pratensis subsp. irrigata</i>	(Lindm.) H. Lindb.	I	I	I	N	I	Kentucky bluegrass (<i>Poa pratensis</i>)	Primary genepool		x		
<i>Poa pratensis subsp. pratensis</i>		N	N	I	I	I	Kentucky bluegrass (<i>Poa pratensis</i>)	Primary genepool		x		
<i>Poa pratensis subsp. subcaerulea</i>	(Sm.) Hiitonen		I	I	I	I	Kentucky bluegrass (<i>Poa pratensis</i>)	Primary genepool		x		
<i>Poa supina</i>	Schrad.		N	I	N	I	Kentucky bluegrass (<i>Poa pratensis</i>)	Taxongroup 4		x	VU ^{DNK}	
<i>Poa trivialis</i>	L.	I	I	I	I	I	Kentucky bluegrass (<i>Poa pratensis</i>)	Taxongroup 4		x		
<i>Poa trivialis subsp. trivialis</i>			I	I	I	I	Kentucky bluegrass (<i>Poa pratensis</i>)	Taxongroup 5		x		
<i>Prunus avium</i>	L.		T	I	I	I	Sweet cherry (<i>Prunus avium</i>)	Primary genepool	x			
							Sour cherry (<i>Prunus cerasus</i>)	Tertiary genepool	x			
<i>Prunus cerasifera</i>	Ehrh.		T	N	N	N	Myrobalan plum (<i>Prunus cerasifera</i>)	Primary genepool	x			
							Japanese alpine cherry (<i>Prunus nipponica</i> var. <i>nipponica</i>)	Primary genepool	x			
							Peach (<i>Prunus persica</i>)	Secondary genepool	x			
							Japanese Plum (<i>Prunus salicina</i>)	Secondary genepool	x			
							Nectarine (<i>Prunus persica</i> var. <i>nucipersica</i>)	Secondary genepool	x			
							Almond (<i>Prunus dulcis</i>)	Tertiary genepool	x			
<i>Prunus cerasus</i>	L.		T	N	N	N	Sour cherry (<i>Prunus cerasus</i>)	Primary genepool	x			
							Sweet cherry (<i>Prunus avium</i>)	Tertiary genepool	x			
<i>Prunus domestica</i>	L.		T	N	N	N	Plum (<i>Prunus domestica</i>)	Primary genepool	x			
							Greengage (<i>Prunus domestica</i> subsp. <i>italica</i>)	Primary genepool	x			
							Damson (<i>Prunus domestica</i> subsp. <i>insititia</i>)	Primary genepool	x			
							Yellow plum (<i>Prunus domestica</i> subsp. <i>syriaca</i>)	Primary genepool	x			
							Nectarine (<i>Prunus persica</i> var. <i>nucipersica</i>)	Tertiary genepool	x			
							Peach (<i>Prunus persica</i>)	Tertiary genepool	x			
							Japanese Plum (<i>Prunus salicina</i>)	Tertiary genepool	x			

Nordic priority crop wild relative		Type of occurrence					Genepool and taxon group concepts ¹		Use category		National threat	National invasive
Taxon	Author	ISL	FIN	DNK	NOR	SWE	Crop	Crop relationship	Food	Forage	IUCN category ²	category ²
<i>Prunus domestica</i> subsp. <i>domestica</i>			T	N	N	N	Plum (<i>Prunus domestica</i>)	Primary genepool	x			
							Nectarine (<i>Prunus persica</i> var. <i>nucipersica</i>)	Tertiary genepool	x			
							Peach (<i>Prunus persica</i>)	Tertiary genepool	x			
							Japanese Plum (<i>Prunus salicina</i>)	Tertiary genepool	x			
<i>Prunus domestica</i> subsp. <i>insititia</i>	(L.) Bonnier & Layens		T	N	N	N	Plum (<i>Prunus domestica</i>)	Primary genepool	x			
							Damson (<i>Prunus domestica</i> subsp. <i>insititia</i>)	Primary genepool	x			
							Nectarine (<i>Prunus persica</i> var. <i>nucipersica</i>)	Tertiary genepool	x			
							Peach (<i>Prunus persica</i>)	Tertiary genepool	x			
							Japanese Plum (<i>Prunus salicina</i>)	Tertiary genepool	x			
<i>Prunus mahaleb</i>	L.			N	N	N	Sweet cherry (<i>Prunus avium</i>)	Secondary genepool	x			
<i>Prunus spinosa</i>	L.		I	I	I	I	Plum (<i>Prunus domestica</i>)	Secondary genepool	x		NT ^{FIN}	
							Greengage (<i>Prunus domestica</i> subsp. <i>italica</i>)	Secondary genepool	x			
							Damson (<i>Prunus domestica</i> subsp. <i>insititia</i>)	Secondary genepool	x			
							Yellow plum (<i>Prunus domestica</i> subsp. <i>syriaca</i>)	Secondary genepool	x			
<i>Pyrus communis</i>	L.		T	N	N	N	Pear (<i>Pyrus communis</i>)	Primary genepool	x			
<i>Raphanus raphanistrum</i>	L.		T	I	N	I	Radish (<i>Raphanus sativus</i>)	Primary genepool	x			
							Mustard (<i>Brassica juncea</i>)	Tertiary genepool	x			
							Rape kale (<i>Brassica napus</i>)	Tertiary genepool	x			
<i>Raphanus raphanistrum</i> subsp. <i>maritimus</i>	(Sm.) Thell.				I	T	Radish (<i>Raphanus sativus</i>)	Primary genepool	x			
							Mustard (<i>Brassica juncea</i>)	Tertiary genepool	x			
							Rape kale (<i>Brassica napus</i>)	Tertiary genepool	x			
<i>Raphanus raphanistrum</i> subsp. <i>raphanistrum</i>			T	I	N	N	Radish (<i>Raphanus sativus</i>)	Primary genepool	x			
							Mustard (<i>Brassica juncea</i>)	Tertiary genepool	x			
							Rape kale (<i>Brassica napus</i>)	Tertiary genepool	x			

Nordic priority crop wild relative		Type of occurrence					Genepool and taxon group concepts ¹		Use category		National threat	National invasive
Taxon	Author	ISL	FIN	DNK	NOR	SWE	Crop	Crop relationship	Food	Forage	IUCN category ²	category ²
<i>Ribes nigrum</i>	L.	T	I	I	I	I	Blackcurrant (<i>Ribes nigrum</i>)	Primary genepool	x			
							Gooseberry (<i>Ribes uva-crispa</i>)	Tertiary genepool	x			
<i>Ribes rubrum</i>	L.	T	T	N	N	I	Redcurrant (<i>Ribes rubrum</i>)	Primary genepool	x			
							Blackcurrant (<i>Ribes nigrum</i>)	Tertiary genepool	x			
<i>Ribes spicatum</i>	E. Robson	T	I	I	I	I	Redcurrant (<i>Ribes rubrum</i>)	Secondary genepool	x			
<i>Ribes spicatum</i> subsp. <i>hispidulum</i>	(Jancz.) Hämet-Ahti		I				Redcurrant (<i>Ribes rubrum</i>)	Secondary genepool	x			
<i>Ribes spicatum</i> subsp. <i>lapponicum</i>	Hyl.		I		I	I	Redcurrant (<i>Ribes rubrum</i>)	Secondary genepool	x			
<i>Ribes spicatum</i> subsp. <i>spicatum</i>			I		I	I	Redcurrant (<i>Ribes rubrum</i>)	Secondary genepool	x			
<i>Ribes uva-crispa</i>	L.	T	N	N	N	N	Gooseberry (<i>Ribes uva-crispa</i>)	Primary genepool	x			
							Blackcurrant (<i>Ribes nigrum</i>)	Tertiary genepool	x			
<i>Rorippa islandica</i>	(Oeder & Murray) Borbás	I			I		Oil rape (<i>Brassica napus</i>)	Tertiary genepool	x			
<i>Rubus allegheniensis</i>	Porter ex L. H. Bailey		T	N	N	N	Blackberry (<i>Rubus fruticosus</i> aggr.)	Primary genepool	x			
<i>Rubus arcticus</i>	L.		I		I	I	Arctic raspberry (<i>Rubus arcticus</i>)	Primary genepool	x			
							Raspberry (<i>Rubus idaeus</i>)	Tertiary genepool	x			
<i>Rubus armeniacus</i>	Focke			N	N	N	Blackberry (<i>Rubus fruticosus</i> aggr.)	Primary genepool	x			SE ^{SWE}
<i>Rubus caesius</i>	L.		I	I	I	I	Dewberry (<i>Rubus caesius</i>)	Primary genepool	x		NT ^{NOR}	
							Blackberry (<i>Rubus fruticosus</i> aggr.)	Secondary genepool	x			
<i>Rubus chamaemorus</i>	L.		I	I	I	I	Cloudberry (<i>Rubus chamaemorus</i>)	Primary genepool	x		NT ^{DNK}	
<i>Rubus idaeus</i>	L.	T	I	I	I	I	Raspberry (<i>Rubus idaeus</i>)	Primary genepool	x			
							Cloudberry (<i>Rubus chamaemorus</i>)	Tertiary genepool	x			
<i>Rubus laciniatus</i>	Willd.		T	N	N	N	Blackberry (<i>Rubus fruticosus</i> aggr.)	Primary genepool	x			
<i>Rubus saxatilis</i>	L.	I	I	I	I	I	Raspberry (<i>Rubus idaeus</i>)	Secondary genepool	x			
<i>Rubus spectabilis</i>	Pursh	T		N	N	N	Raspberry (<i>Rubus idaeus</i>)	Primary genepool	x			
<i>Schenodorus arundinaceus</i>	(Schreb.) Dumort.			I	I		Tall fescue (<i>Schenodorus arundinaceus</i>)	Primary genepool		x		
<i>Schedonorus pratensis</i>	(Huds.) P. Beauv.	N	I	I	N	I	Meadow fescue (<i>Festuca pratensis</i>)	Primary genepool		x		

Nordic priority crop wild relative		Type of occurrence					Genepool and taxon group concepts ¹		Use category		National threat	National invasive
Taxon	Author	ISL	FIN	DNK	NOR	SWE	Crop	Crop relationship	Food	Forage	IUCN category ²	category ²
<i>Setaria viridis</i>	(L.) P. Beauv.		T	N	I	I	Foxtail millet (<i>Setaria italica</i>)	Primary genepool	x	x		
<i>Setaria viridis</i> var. <i>viridis</i>			T		I	I	Foxtail millet (<i>Setaria italica</i>)	Primary genepool	x	x		
<i>Sinapis arvensis</i>	L.	T	I	N	I	I	White mustard (<i>Sinapis alba</i>)	Taxongroup 4	x			
<i>Solanum nigrum</i>	L.	T	I	N	N	I	Potato (<i>Solanum tuberosum</i>)	Tertiary genepool	x			
<i>Solanum nigrum</i> subsp. <i>nigrum</i>		T	I	N	N	I	Potato (<i>Solanum tuberosum</i>)	Tertiary genepool	x			
<i>Trifolium alpestre</i>	L.		T	I		I	Red clover (<i>Trifolium pratense</i>)	Tertiary genepool		x	EN ^{SWE}	
<i>Trifolium arvense</i>	L.		N	I	I	I	Red clover (<i>Trifolium pratense</i>)	Tertiary genepool		x		
<i>Trifolium hybridum</i>	L.	N	N	N	N	N	Alsike clover (<i>Trifolium hybridum</i>)	Primary genepool		x		
<i>Trifolium hybridum</i> subsp. <i>elegans</i>	(Savi) Asch. & Graebn.		N	N	T	T	Alsike clover (<i>Trifolium hybridum</i>)	Primary genepool		x		
<i>Trifolium hybridum</i> subsp. <i>hybridum</i>	L.		N	N	N	N	Alsike clover (<i>Trifolium hybridum</i>)	Primary genepool		x		
<i>Trifolium medium</i>	L.	N	I	I	I	I	Red clover (<i>Trifolium pratense</i>)	Tertiary genepool		x		
<i>Trifolium montanum</i>	L.		N	I	I	I	White clover (<i>Trifolium repens</i>)	Tertiary genepool		x	EX ^{DNK} , VU ^{NOR} , NT ^{SWE}	
<i>Trifolium pratense</i>	L.	N	N	I	N	I	Red clover (<i>Trifolium pratense</i>)	Primary genepool		x		
<i>Trifolium pratense</i> var. <i>maritimum</i>	Zabel			I		I	Red clover (<i>Trifolium pratense</i>)	Primary genepool		x		
<i>Trifolium pratense</i> var. <i>pratense</i>	L.		N	I	N	I	Red clover (<i>Trifolium pratense</i>)	Primary genepool		x		
<i>Trifolium pratense</i> var. <i>sativum</i>	Schreb.		N	N		N	Red clover (<i>Trifolium pratense</i>)	Primary genepool		x		
<i>Trifolium repens</i>	L.	N	I	I	N	I	White clover (<i>Trifolium repens</i>)	Primary genepool		x		
<i>Trifolium striatum</i>	L.		T	I	T	I	Red clover (<i>Trifolium pratense</i>)	Tertiary genepool		x		
<i>Vaccinium microcarpum</i>	(Turcz. ex Rupr.) Schmalh.	I	I	I	I	I	Cranberry (<i>Vaccinium oxycoccus</i>)	Primary genepool	x			
<i>Vaccinium myrtillus</i>	L.	I	I	I	I	I	European blueberry (<i>Vaccinium myrtillus</i>)	Primary genepool	x			
							Lingonberry (<i>Vaccinium vitis-idea</i>)	Secondary genepool	x			
							Highbush blueberry (<i>Vaccinium corymbosum</i>)	Tertiary genepool	x			
<i>Vaccinium oxycoccus</i>	L.		I	I	I	I	Cranberry (<i>Vaccinium oxycoccus</i>)	Primary genepool	x			
<i>Vaccinium uliginosum</i>	L.	I	I	I	I	I	Bog bilberry (<i>Vaccinium uliginosum</i>)	Primary genepool	x			
<i>Vaccinium uliginosum</i> subsp. <i>microphyllum</i>	(Lange) Tolm.	I			I	?	Bog bilberry (<i>Vaccinium uliginosum</i>)	Primary genepool	x			

Nordic priority crop wild relative		Type of occurrence					Genepool and taxon group concepts ¹		Use category		National threat	National invasive
Taxon	Author	ISL	FIN	DNK	NOR	SWE	Crop	Crop relationship	Food	Forage	IUCN category ²	category ²
<i>Vaccinium vitis-idaea</i>	L.	I	I	I	I	I	Lingonberry (<i>Vaccinium vitis-idea</i>)	Primary genepool	x		VU ^{ISL}	
							Bog bilberry (<i>Vaccinium uliginosum</i>)	Secondary genepool	x			
<i>Vaccinium vitis-idaea</i> subsp. <i>vitis-idaea</i>	L.	I		I	I	I	Lingonberry (<i>Vaccinium vitis-idea</i>)	Primary genepool	x			
							Bog bilberry (<i>Vaccinium uliginosum</i>)	Secondary genepool	x			
<i>Vaccinium vitis-idaea</i> subsp. <i>minor</i>	(Lodd.) Hultén				I		Lingonberry (<i>Vaccinium vitis-idea</i>)	Primary genepool	x			
							Bog bilberry (<i>Vaccinium uliginosum</i>)	Secondary genepool	x			
<i>Vicia lathyroides</i>	L.		N	I	I	I	Faba bean (<i>Vicia faba</i>)	Tertiary genepool	x	x	VU ^{FIN} , EN ^{NOR}	
							Broad bean (<i>Vicia faba</i> var. <i>faba</i>)	Tertiary genepool				
							Tick bean (<i>Vicia faba</i> var. <i>minuta</i>)					
<i>Vicia sativa</i>	L.	T	T	I	I	I	Common vetch (<i>Vicia sativa</i>)	Primary genepool	x	x		
<i>Vicia sativa</i> subsp. <i>nigra</i>	(L.) Ehrh.		N	I	I	I	Common vetch (<i>Vicia sativa</i>)	Primary genepool	x	x		
<i>Vicia sativa</i> subsp. <i>segetalis</i>	(Thuill.) Gaudin		N	N	N	I	Common vetch (<i>Vicia sativa</i>)	Primary genepool	x	x		
<i>Vicia villosa</i>	Roth	T	T	N	N	N	Hairy vetch (<i>Vicia villosa</i>)	Primary genepool	x	x		
<i>Vicia villosa</i> subsp. <i>villosa</i>			T	N	N	N	Hairy vetch (<i>Vicia villosa</i>)	Primary genepool	x	x	VU ^{SWE}	

¹Taxon group only included in relevant cases.

²The national code in superscript indicates for which country the national threat or invasive category is relevant.

Abbreviations and explanations

<i>Distribution (Occurrence classification)</i>	
I	Indigenous
N	Naturalized foreign
T	Temporary findings
?	Not determined

<i>Invasive categories</i>	
SE	very high risk
HI	high risk
R	regulated pest

The categories potentially high risk (PH), low risk (LO), no known risk (NK) and not risk assessed (NR), are not indicated in the dataset.

<i>IUCN threat categories</i>	
NT	Near Threatened
VU	Vulnerable
EN	Endangered
CR	Critically Endangered
EX	Extinct

The categories Data Deficient (DD) and Least Concern (LC) are not indicated in the dataset.

References

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<i>Gene pool</i>	
Primary gene pool	Crop and all the closely related taxa, able to freely interbreed with the crop and give rise to fully fertile progenies
Secondary gene pool	Taxa more remotely related to the crop, able to cross with the crop and give rise to some fertile progenies
Tertiary gene pool	Taxa remotely related to the crop and naturally incapable of interbreeding with the crop

<i>Taxon group</i>	
<i>Taxon group 1</i>	same species as crop
<i>Taxon group 2</i>	same series or section as crop
<i>Taxon group 3</i>	same subgenus as crop
<i>Taxon group 4</i>	same genus

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