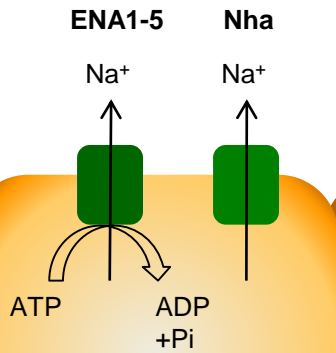
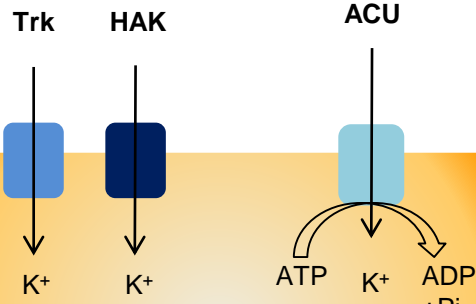


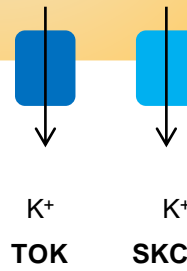
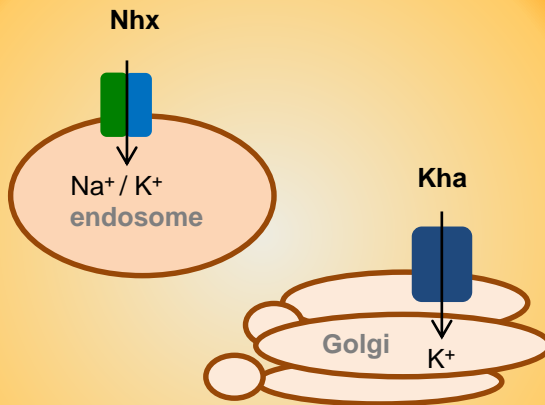
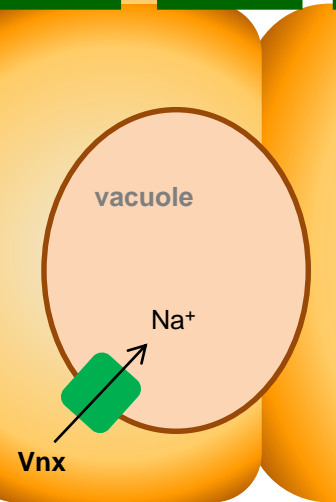
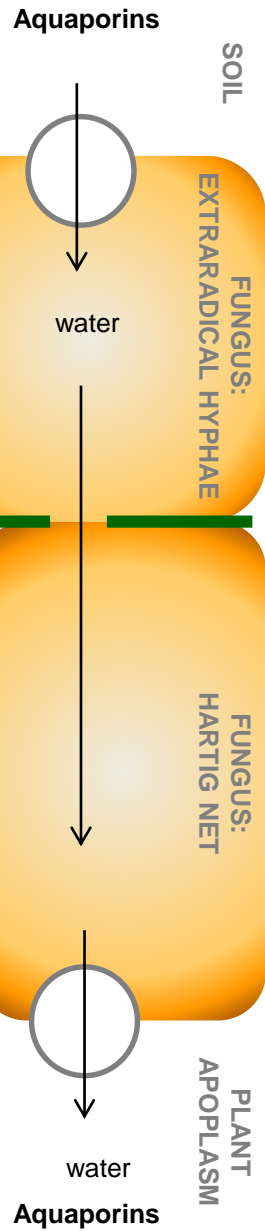
Na⁺ exclusion from the plant



Improvement of plant K⁺ nutrition



Maintenance of aquaporin-mediated water transport



SOIL
FUNGUS: EXTRARADICAL HYPHAE
FUNGUS: HARTIG NET
PLANT APOPLASM
PLANT CELLS

Fungal species	Plant species	Maximum NaCl concentration tested (mM)	Reference
<i>Alpova diplophloeus</i>	<i>Alnus incana, Alnus viridis</i>	40	Beaudoin-Nadeau et al. 2016
<i>Hebeloma</i> <i>H. crustuliniforme</i> <i>sp.</i>	<i>Picea glauca</i> <i>Picea glauca, Pinus banksiana</i> <i>Picea glauca, Picea mariana, Pinus taeda</i> <i>Ulmus americana</i> <i>Betula papyrifera, Populus tremuloides</i> <i>Pinus banksiana</i>	25 200 25 60 25 60	Muhsin and Zwiazek 2002a Bois et al. 2006b Nguyen et al. 2006 Calvo-Polanco et al. 2008a Yi et al. 2008 Calvo-Polanco et al. 2008b
<i>Laccaria</i> <i>L. bicolor</i> <i>L. laccata</i>	<i>Picea glauca, Pinus banksiana</i> <i>Picea glauca, Picea mariana, Pinus taeda</i> <i>Ulmus americana</i> <i>Pinus banksiana</i> <i>Betula papyrifera, Populus tremuloides</i> <i>Pinus taeda</i>	200 25 60 60 25 80	Bois et al. 2006b Nguyen et al. 2006 Calvo-Polanco et al. 2008a Calvo-Polanco et al. 2008b Yi et al. 2008 Dixon et al. 1993
<i>Paxillus involutus</i>	<i>Populus x canescens</i> <i>Populus x canescens</i> <i>Populus x canescens</i> <i>Populus x canescens</i> <i>Populus x canescens</i> <i>Alnus incana, Alnus viridis</i>	150 150 150 100 100 40	Langenfeld-Heysler et al. 2007 Luo et al. 2009, 2010 Li et al. 2012 Ma et al. 2014 Sa et al. 2019 Beaudoin-Nadeau et al. 2016
<i>Pisolithus tinctorius</i>	<i>Pinus taeda</i>	80	Dixon et al. 1993
<i>Scleroderma bermudense</i>	<i>Coccoloba uvifera</i>	500	Bandou et al. 2006
<i>Suillus tomentosus</i>	<i>Picea glauca, Pinus banksiana</i> <i>Pinus banksiana</i> <i>Pinus banksiana</i> <i>Picea glauca, Pinus banksiana</i>	200 60 60 50	Bois et al. 2006b Calvo-Polanco et al. 2008b Lee et al. 2010 Calvo-Polanco et al. 2011
<i>Wilcoxina mikolae</i>	<i>Pinus banksiana</i>	60	Calvo-Polanco et al. 2008b

Table 2

Genus	Isolates	Maximum NaCl concentration tested (mM)	Other compounds tested	Reference
<i>Hebeloma</i>				
5 species	10	170	-	Hutchison 1990
<i>H. crustuliniforme</i>	1	200	+	Kernaghan et al. 2002
<i>H. crustuliniforme</i>	1	300	-	Bois et al. 2006a
<i>Laccaria</i>				
4 species	10	170	-	Hutchison 1990
<i>L. laccata</i>	1	120	+	Dixon et al. 1993
<i>L. bicolor</i>	1	200	+	Kernaghan et al. 2002
<i>L. bicolor</i>	1	300	-	Bois et al. 2006a
<i>Paxillus</i>				
<i>P. involutus</i>	4	170	-	Hutchison 1990
<i>P. involutus</i>	1	200	+	Kernaghan et al. 2002*
<i>P. involutus</i>	2	500	-	Zhang et al. 2008
<i>Pisolithus</i>				
<i>P. arhizus</i>	2	170	-	Hutchison 1990
<i>P. tinctorius</i>	2	120	+	Dixon et al. 1993
3 species	18	200	-	Chen et al. 2001
<i>P. tinctorius</i>	10	500	-	Matsuda et al. 2006
<i>Rhizopogon</i>				
<i>R. rubescens</i>	1	200	-	Matsuda et al. 2006
4 species	5	170	-	Hutchison 1990*
<i>Suillus</i>				
15 species	34	170	-	Hutchison 1990
2 species	3	120	+	Dixon et al. 1993
<i>S. brevipes</i>	1	200	+	Kernaghan et al. 2002*
<i>S. tomentosus</i>	1	300	-	Bois et al. 2006a
<i>S. luteus</i>	1	200	-	Matsuda et al. 2006
2 species	2	800	-	Tang et al. 2009
<i>S. granulatus</i>	5	300	-	Obase et al. 2010

Table 1