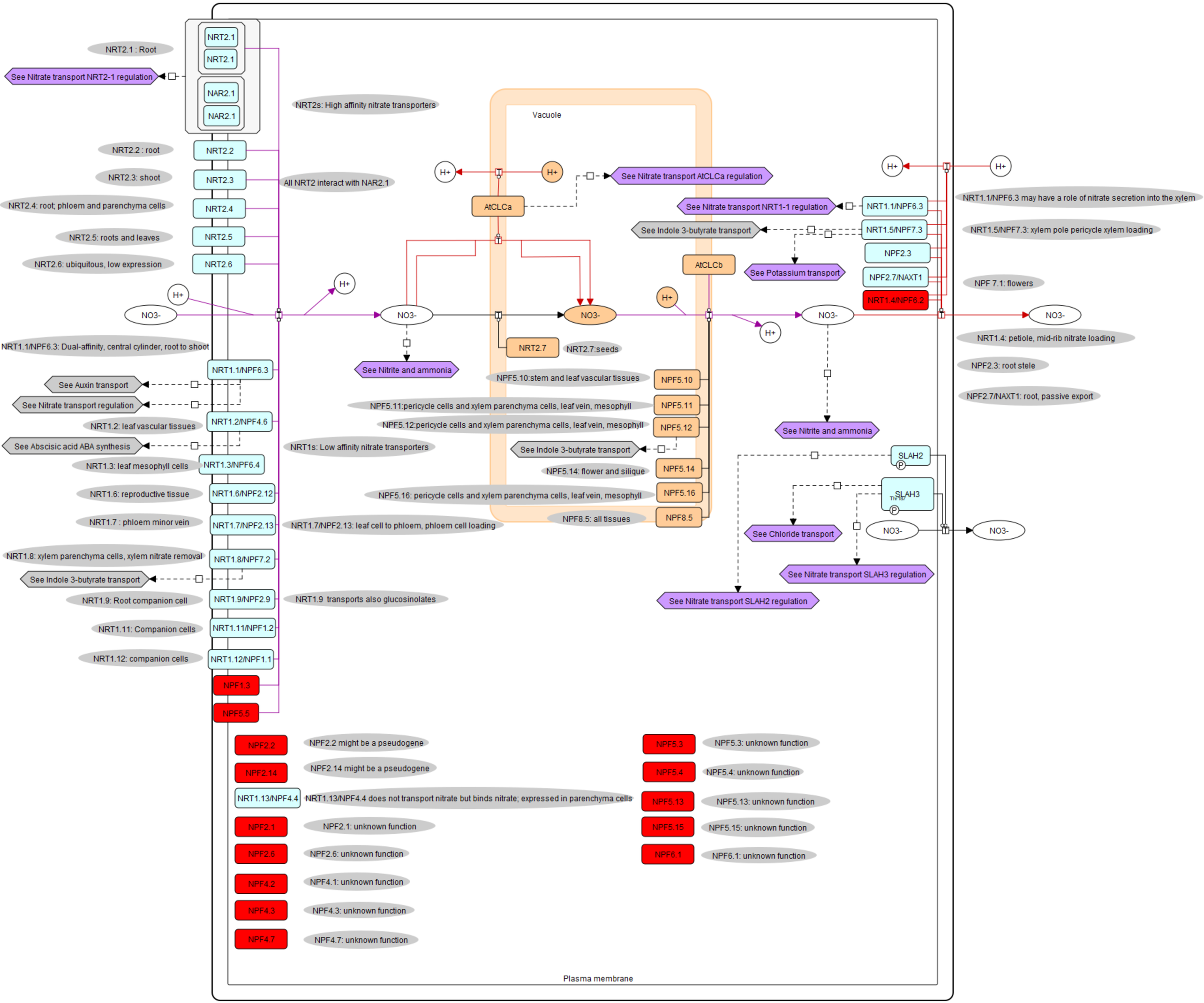
NRT2.1 : Root
See Nitrate transport NRT2-1 regulation
NRT2.1
NRT2.1
NAR2.1
NAR2.1
NRT2s: High affinity nitrate transporters
NRT2.2 : root
NRT2.2
NRT2.3: shoot
NRT2.3
All NRT2 interact with NAR2.1
NRT2.4: root; phloem and parenchyma cells
NRT2.4
NRT2.5: roots and leaves
NRT2.5
NRT2.6: ubiquitous, low expression
NRT2.6
Vacuole
H+
AtCLCa
See Nitrate transport AtCLCa regulation
See Nitrate transport NRT1-1 regulation
NRT1.1/NPF6.3
NRT1.1/NPF6.3 may have a role of nitrate secretion into the xylem
See Indole 3-butyrate transport
NRT1.5/NPF7.3
NRT1.5/NPF7.3: xylem pole pericycle xylem loading
NPF2.3
AtCLCb
See Potassium transport
NPF2.7/NAXT1
NPF 7.1: flowers
NRT1.4/NPF6.2
NO3-
NRT1.1/NPF6.3: Dual-affinity, central cylinder, root to shoot
NRT2.7
NRT2.7:seeds
NRT1.4: petiole, mid-rib nitrate loading
See Nitrite and ammonia
NPF2.3: root stele
NRT1.1/NPF6.3
See Auxin transport
NPF5.10:stem and leaf vascular tissues
NPF5.10
NPF2.7/NAXT1: root, passive export
See Nitrate transport regulation
NPF5.11:pericycle cells and xylem parenchyma cells, leaf vein, mesophyll
NPF5.11
NRT1.2: leaf vascular tissues
NRT1.2/NPF4.6
NPF5.12:pericycle cells and xylem parenchyma cells, leaf vein, mesophyll
NPF5.12
See Abscisic acid ABA synthesis
NRT1s: Low affinity nitrate transporters
See Indole 3-butyrate transport
NRT1.3: leaf mesophyll cells
NRT1.3/NPF6.4
NPF5.14: flower and silique
NPF5.14
SLAH2
NRT1.6: reproductive tissue
NRT1.6/NPF2.12
NPF5.16: pericycle cells and xylem parenchyma cells, leaf vein, mesophyll
NPF5.16
SLAH3
NRT1.7 : phloem minor vein
NRT1.7/NPF2.13
NRT1.7/NPF2.13: leaf cell to phloem, phloem cell loading
NPF8.5: all tissues
NPF8.5
See Chloride transport
NRT1.8: xylem parenchyma cells, xylem nitrate removal
NRT1.8/NPF7.2
See Indole 3-butyrate transport
See Nitrate transport SLAH3 regulation
NRT1.9: Root companion cell
NRT1.9/NPF2.9
NRT1.9 transports also glucosinolates
See Nitrate transport SLAH2 regulation
NRT1.11: Companion cells
NRT1.11/NPF1.2
NRT1.12: companion cells
NRT1.12/NPF1.1
NPF1.3
NPF5.5
NPF2.2
NPF2.2 might be a pseudogene
NPF2.14
NPF2.14 might be a pseudogene
NRT1.13/NPF4.4
NRT1.13/NPF4.4 does not transport nitrate but binds nitrate; expressed in parenchyma cells
NPF2.1
NPF2.1: unknown function
NPF2.6
NPF2.6: unknown function
NPF4.2
NPF4.1: unknown function
NPF4.3
NPF4.3: unknown function
NPF4.7
NPF4.7: unknown function
NPF5.3
NPF5.3: unknown function
NPF5.4
NPF5.4: unknown function
NPF5.13
NPF5.13: unknown function
NPF5.15
NPF5.15: unknown function
NPF6.1
NPF6.1: unknown function
Plasma membrane