**ERD6-like subfamily:** ERD6 is induced by cold and dehydration stress and SFP1 is induced by senescence.

**pGlCT subfamily:** Putative plastidic glucose transporters.

**XyloseTP homologs:** No published data.

**STP subfamily:** Plasma membrane H+-monosaccharide symporters. All characterized genes, except STP3, show sink-specific expression. STP2, -6, -9 and -11 are pollen-specific.

**PLT subfamily:** AtPLT5 is a plasma membrane, broad spectrum polyol and sugar-H+ symporter. Homologous transporters in celery, cherry and plantain are linear polyol transporters.

**AZT subfamily:** No published data (two cDNAs submitted to EMBL as putative monosaccharide sensing proteins).

**INT subfamily:** AtlNT4 is a H+-myoinositol symporter located in the plasma membrane and strongly expressed in pollen and phloem companion cells. Homologous proteins in ice plant reported to be inositol-Na+ transporters localized to the tonoplast.