

**Supplementary Table 1. Monosaccharide - H<sup>+</sup> symporter (STP subfamily) genes identified in the grapevine (*V. vinifera* PN40024) genome**

Gene model in PN40024 <sup>a</sup>	Genbank Accession No.	Chromosomal position <sup>b</sup>	Predicted size (aa)	Unigene <sup>c</sup>	Existing protein designation	Closest At ortholog <sup>e</sup>	Reference
GSVIVT00019953001	CAO71140	Chr 5: 4743399..4745342	506	nd <sup>d</sup>		AtSTP8	
GSVIVT00019956001	CAO71143	Chr 5: 4760129..4764785	536	Vvi.19516	VvHT5	AtSTP13	Hayes et al. (2007)
GSVIVT00025290001	CAO23210	Chr 9: 13726649..13730943	506	Vvi.11106		AtSTP8	
GSVIVT00016689001	CAO65473	Chr 11: 2726206..2730777	512	Vvi.15807		AtSTP14	
GSVIVT00028620001	CAO40702	Chr 13: 12399601..12403892	506	Vvi.11106		AtSTP8	
GSVIVT00028621001	CAO40703	Chr 13: 12410608..12414899	506	Vvi.11106		AtSTP8	
GSVIVT00028622001	CAO40704	Chr 13: 12420187..12424485	506	Vvi.11106		AtSTP8	
GSVIVT00028624001	CAO40706	Chr 13: 12432712..12437002	506	Vvi.11106		AtSTP8	
GSVIVT00028634001	CAO40711	Chr 13: 12501264..12505555	506	Vvi.11106		AtSTP8	
GSVIVT00038185001	CAO49296	Chr 14: 11119521..11123575	522	nd		AtSTP1	
GSVIVT00038183001	CAO49294	Chr 14: 11127164..11131194	522	nd		AtSTP1	
GSVIVT00038182001	CAO49293	Chr 14: 11135188..11140051	535	nd		AtSTP12	
GSVIVT00015239001	CAO61725	Chr 18: 4309655..4315053	500	Vvi.550	VvHT2	AtSTP5	Fillion et al. (1999)
GSVIVT00004559001	CAO46500	Chr Un: 97904733..97908812	519	Vvi.3078	VvHT1	AtSTP1	Fillion et al. (1999)
GSVIVT00005628001	CAO61725	Chr Un: 33664550..33671757	526	Vvi.6125	VvHT3	AtSTP7	Hayes et al. (2007)
GSVIVT00030854001	CAO60846	Chr Un: 113350741..113357412	508	nd	VvHT4	AtSTP3	Hayes et al. (2007)

<sup>a</sup> <http://www.genoscope.cns.fr/Vitis>

<sup>b</sup> 8.4X assembly at <http://www.genoscope.cns.fr/Vitis>

<sup>c</sup> <http://www.ncbi.nlm.nih.gov/sites/entrez?db=unigene>

<sup>d</sup> no matching EST sequences available

<sup>e</sup> Closest Arabidopsis thaliana (At) homolog ortholog identified using BLASTp search