

Figure S1. Comparison of *V. vinifera* aquaporins from Pinot noir and Touriga nacional cultivars. Alignment of deduced amino acid sequences of *VvTnPIP1;4* (A), *VvTnPIP2;1* (B), *VvTnPIP2;3* (C), *VvTnTIP1;1* (D), *VvTnTIP2;2* (E), *VvTnTIP4;1* (F) obtained from the present study (Touriga nacional) with the database variety (Pinot noir). Accession numbers of presented protein sequences are: *VvPnPIP1;4* (CAO39626), *VvTnPIP1;4* (KJ697714), *VvPnPIP2;1* (CAN75442), *VvTnPIP2;1* (KJ697715), *VvPnPIP2;3* (CAO18152), *VvTnPIP2;3* (KJ697716), *VvPnTIP1;1* (CAO69259), *VvTnTIP1;1* (KJ697717), *VvPnTIP2;2* (CAO23095), *VvTnTIP2;2* (KJ697718), *VvPnTIP4;1* (CAO44039), *VvTnTIP4;1* (KJ697719).

