Figure S5. Mercury sensitive site and pH regulation site in TIPs. Alignment of TIPs aquaporins for (A) mercury sensitive site (Cys residue) and (B) pH regulation site (His residue) for gating. Consensus sequences are framed and conserved residues are indicated as red triangle. TIPs cloned in the present study are marked with red arrows. Accession numbers of presented protein sequences are: *At*-deltaTIP2 CAB10515), *At*-gammaTIP3 (AAC62778), *At*-alphaTIP (AAC42249), *Pv*-alphaTIP (CAA44669), *Vv*PnTIP1;1 (CAO69259), *Vv*TnTIP1;1 (KJ697717), *Vv*PnTIP2;1 (CAO45860), *Vv*TnTIP2;1 (HQ913640), *Vv*PnTIP2;2 (CAO23095), *Vv*TnTIP2;2 (KJ697718), *Vv*PnTIP4;1 (CAO44039), *Vv*TnTIP4;1 (KJ697719). *At*: *Arabidopsis thaliana, Pv*: *Phaseolus vulgaris, Vv*Pn: *Vitis vinifera* cv. Pinot noir, *Vv*Tn: *V. Vinifera* (cv. Touriga nacional).