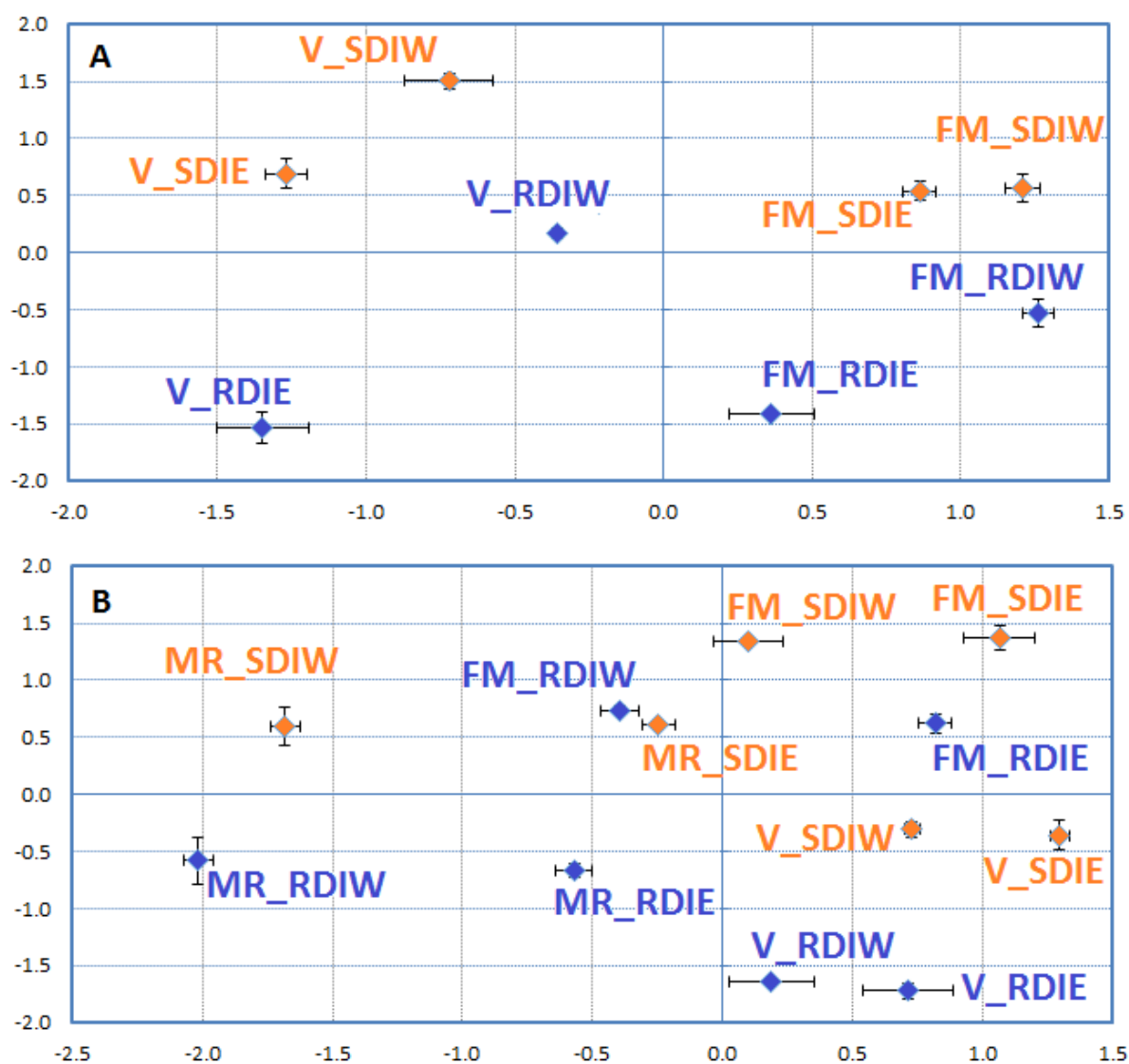**Supplementary Figure 2.** Principal components analysis performed on cumulative water stress (SΨ_{pd}), NHH and AEBT* at *véraison* from 2013 (A) and 2014 (B) growing seasons for Tempranillo cv. (A) PC1=76%; PC2=16% (B) PC1=49%; PC2=35%

* AEBT- Accumulated Exceeding Berry Temperature was determined as follow:

$$AEBT = \begin{cases} 0, & if\ Tb \leq 35ºC \\ Tb - 35, & if\ Tb > 35ºC \end{cases}$$