Suppl. Figure 3 Huettel et al.
Suppl. Fig. 3. (A) LTRCO1 and LTRCO3 are not reactivated in *drd1* and pol IVb mutants. Semi-quantitative RT-PCR using primers downstream of the left LTR of the intact retrotransposons LTRCO1 and LTRCO3 (Suppl. Fig. 2B) failed to detect transcripts in wild type or mutant plants. By contrast, the IG/LINE transcript driven by the solo LTR is readily detectable in the *drd1* and pol IVb (*nrpd2a* and *nrpd1b*) mutants. A weak suppression of silencing was also observed for LTRCO3 in the *met1* mutant. *GAPA* (glyceraldehyde 3-phosphate dehydrogenase A; At3g26650) is a constitutively expressed control.

(B) Real time RT-PCR of extensin genes. The two extensin genes, At1g21310 and At1g76930, were retrieved in multiple clones in the SSH analysis (Suppl. Table I). Real time RT-PCR confirmed that they are up-regulated in a *drd1* mutant compared to wild type plants (where they are already expressed at some level). However, unlike the other up-regulated targets validated in this study (Fig. 2), these two extensin genes are not consistently up-regulated in the other four mutants defective in components of the Pol IV pathway (*nrpd2a*, *nrpd1b*, *nrpd1a*, *rdr2*).