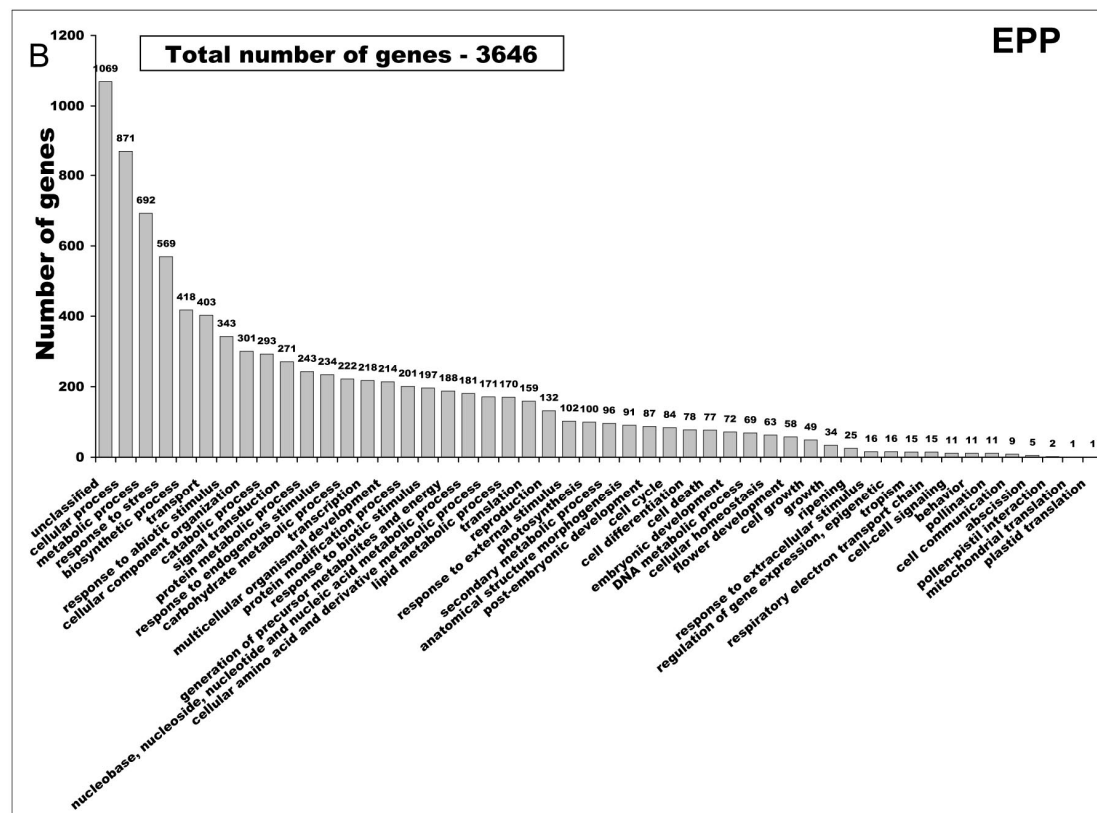
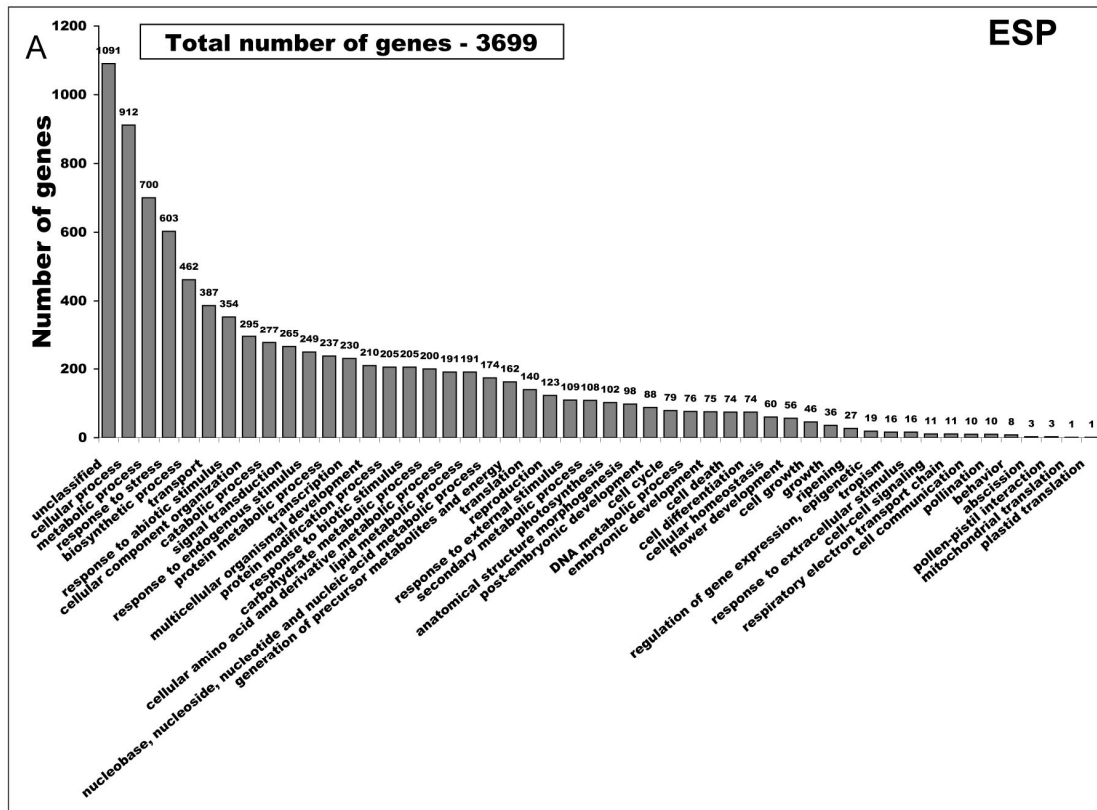


**Additional file 12: Gene Ontology distribution of the gene groups identified in leaves by the comparative microarray approach..**



Genes were identified by microarray analysis as differentially expressed in (A) spongy parenchyma + lower epidermis and (B) palisade parenchyma + upper epidermis of leaves of

17-day-old *AtHMA4*-expressing tomato (line 4) as compared with the wild-type (WT) grown in the presence of 5  $\mu$ M Zn for one week. Tomato genes were classified by GO of biological processes using the sequences from the Tomato Functional Genomics Database and GO tools available on the TFGD website.