



**Supplementary Figure 1.** The activity diagram describes the activity and data flow of WebScipio's algorithm to predict alternative splice forms. In the first step (light blue) BLAT is used to identify EST/cDNA sequences, which match the coding DNA sequence (CDS) of the Scipio result. In the second step (dark blue) a spliced alignment of the extracted EST/cDNA sequences to the genomic DNA of the Scipio result is executed. In the third step (bottom) each matching EST/cDNA sequence (hit) is processed and alternative splice forms are identified. As a last step the different output formats for WebScipio are generated.