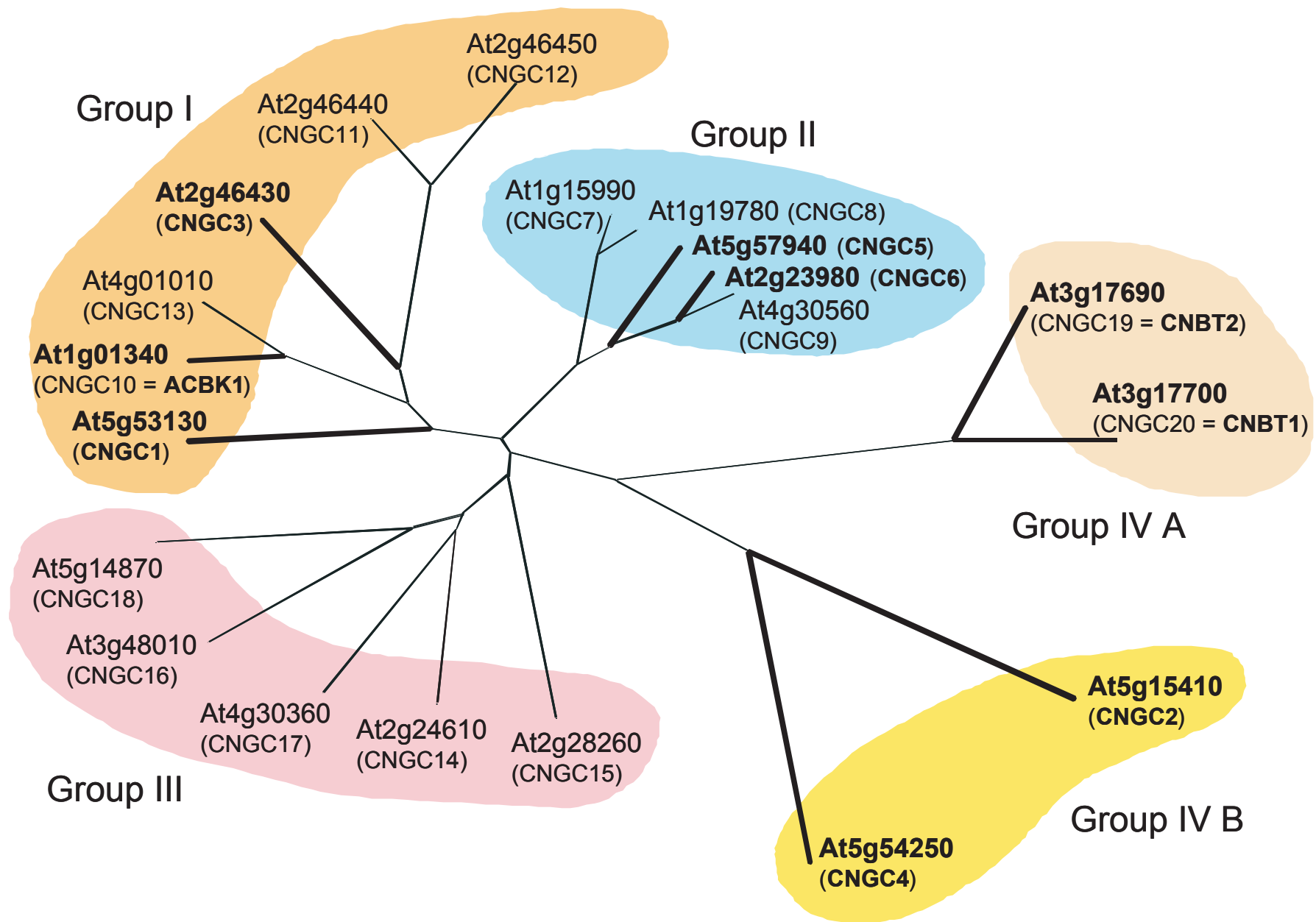


# Phylogenetic tree of the *A. thaliana* CNGC transporters



Entries in the MIPS Arabidopsis thaliana database (MATDB) were compared with available corresponding cDNA entries in the NCBI database, to minimize errors for each predicted protein sequence. By default, the MATDB predicted protein sequences were used for final alignment. Exceptions are: acc. no. AAF97331.1 for At1g01340, acc. no. CAB40128.1 for At2g46430, acc. no. AAF73129.1 for At3g17690 and acc. no. AAF73128.1 for At3g17700. Bold lines indicate that protein sequences predicted from cDNAs are available. Final protein alignment, tree drawing and bootstrap analysis were done with ClustalX (Higgins and Sharp, 1988), and the tree was drawn using Treeview. CNGCs 1 through 6 have already been named in the literature (Köhler et al., 1999). To generate a uniform nomenclature, ACBK1, CNBT1 and CNBT2 are assigned the names CNGC10, 20 and 19, respectively, and the remaining genes are also assigned systematic names.