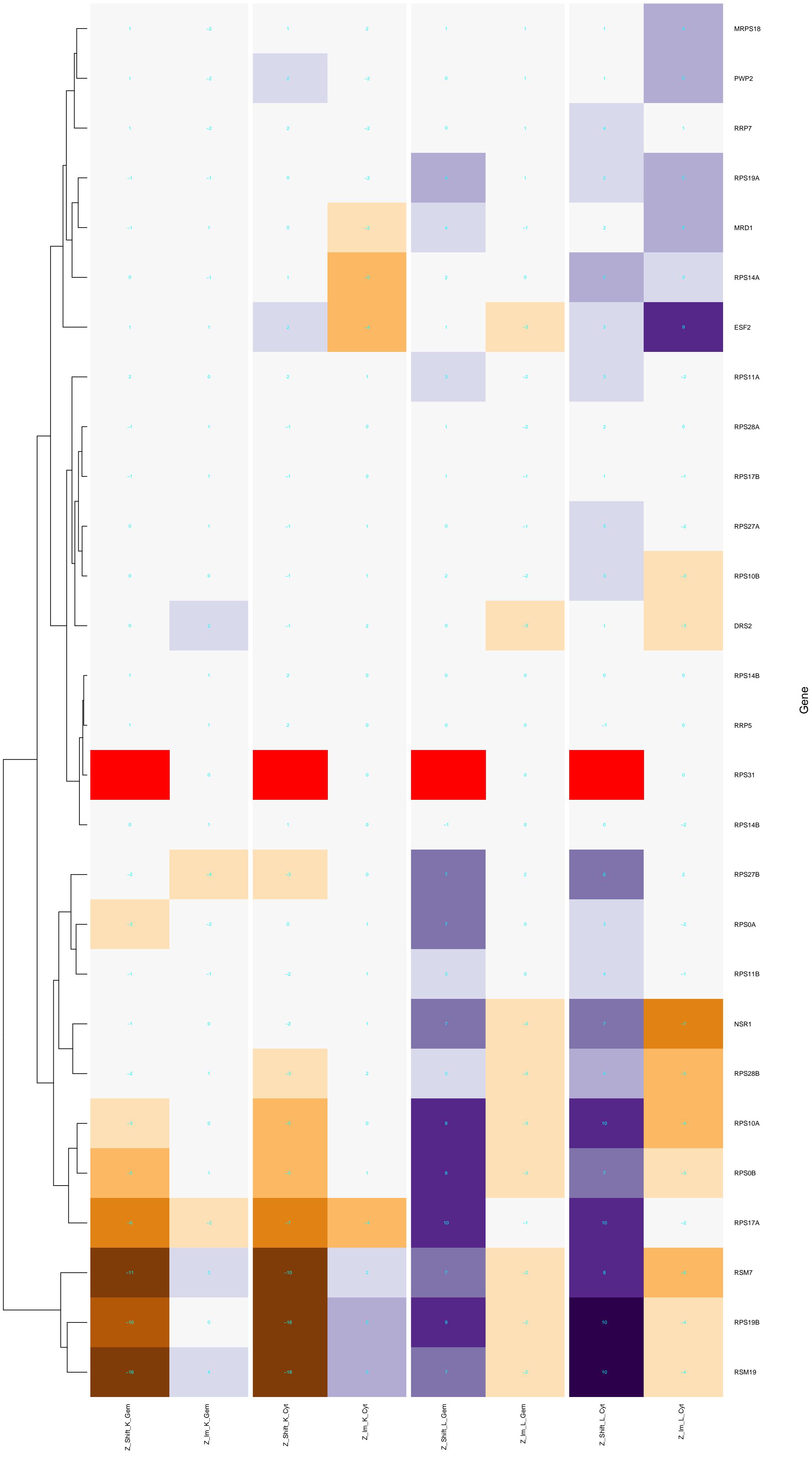
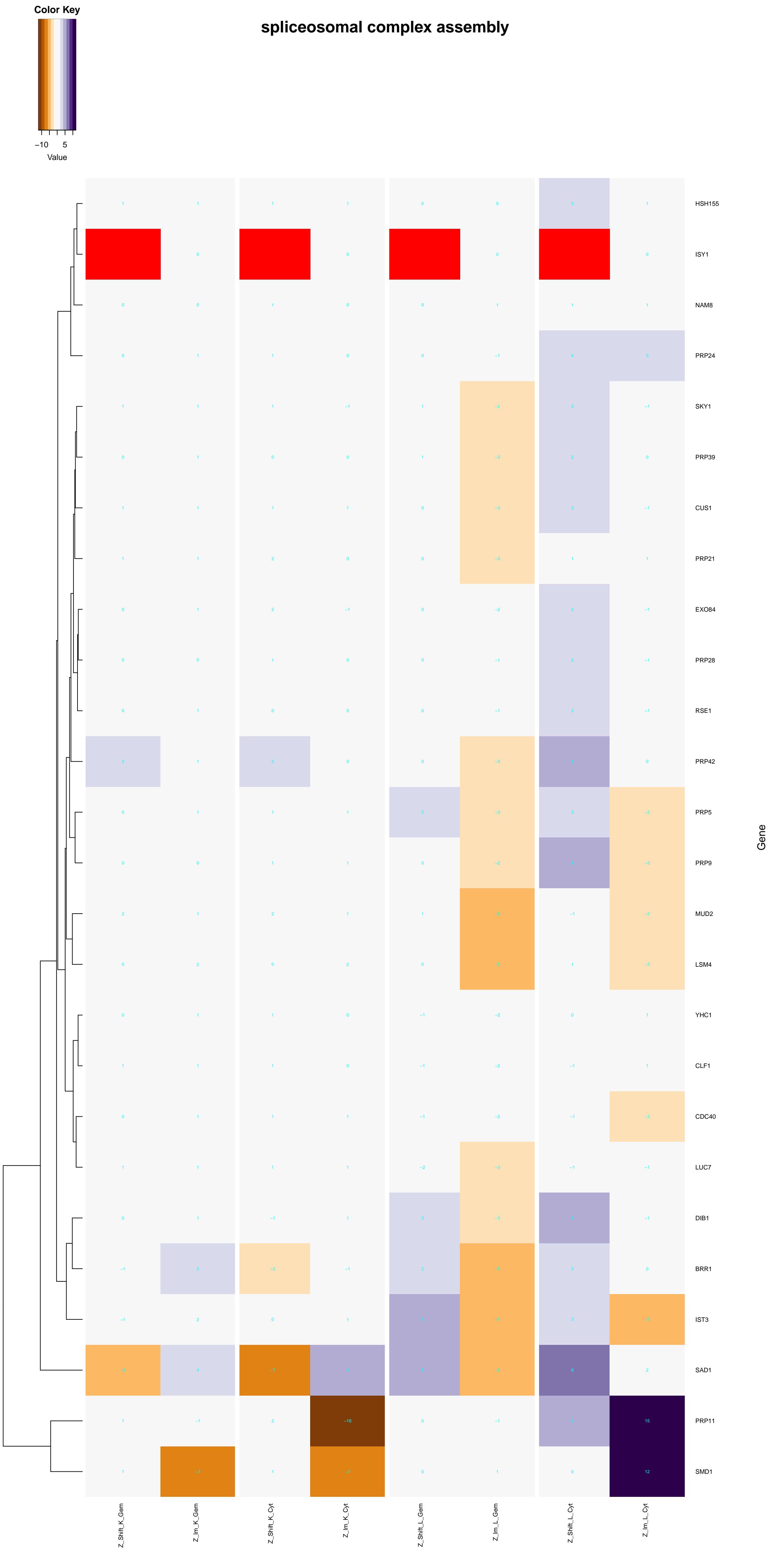
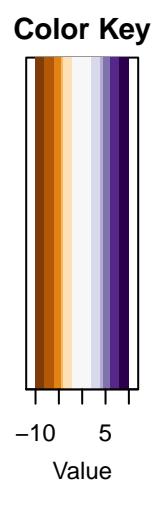


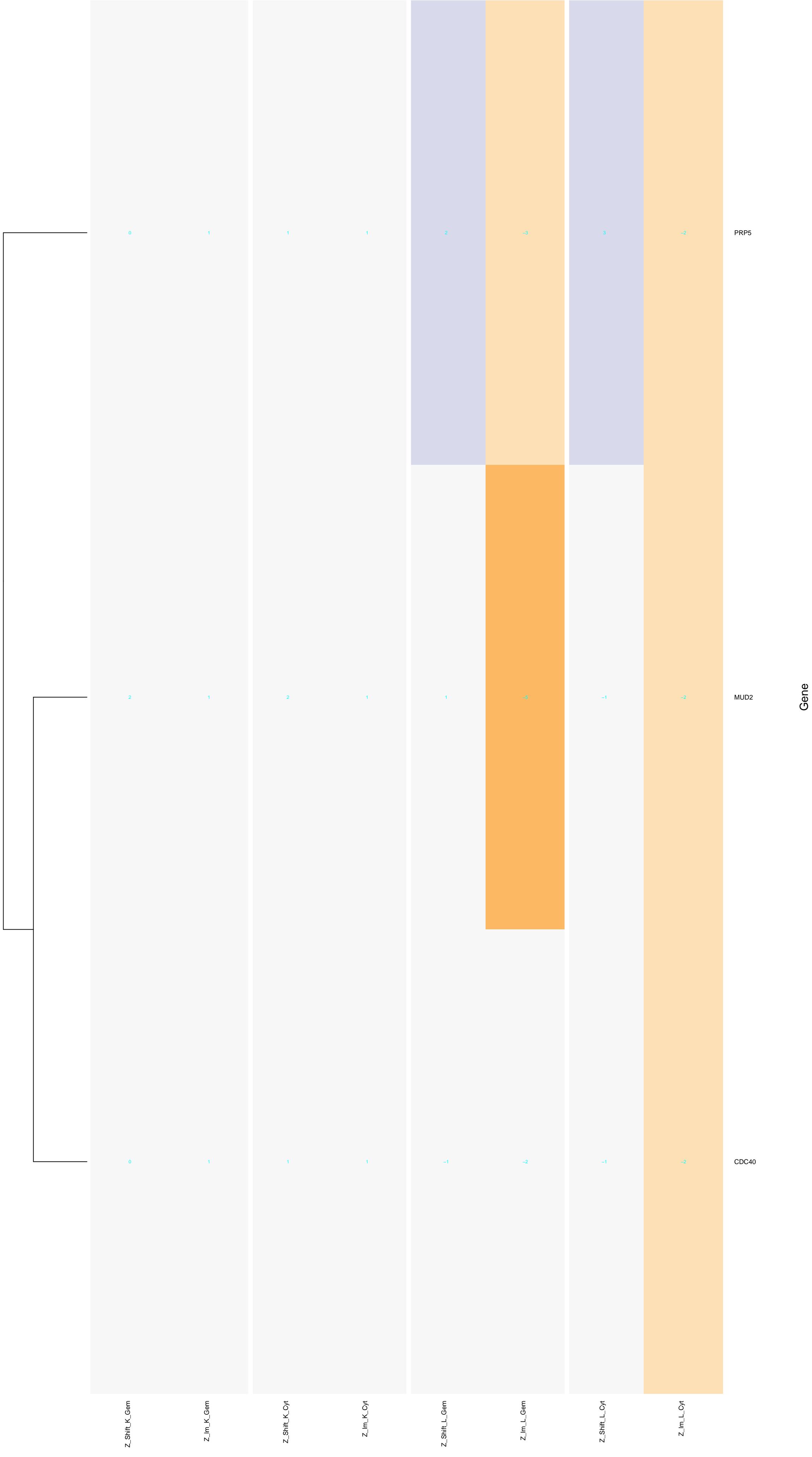
ribosomal small subunit assembly

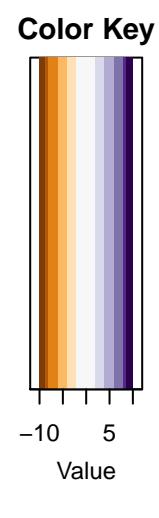




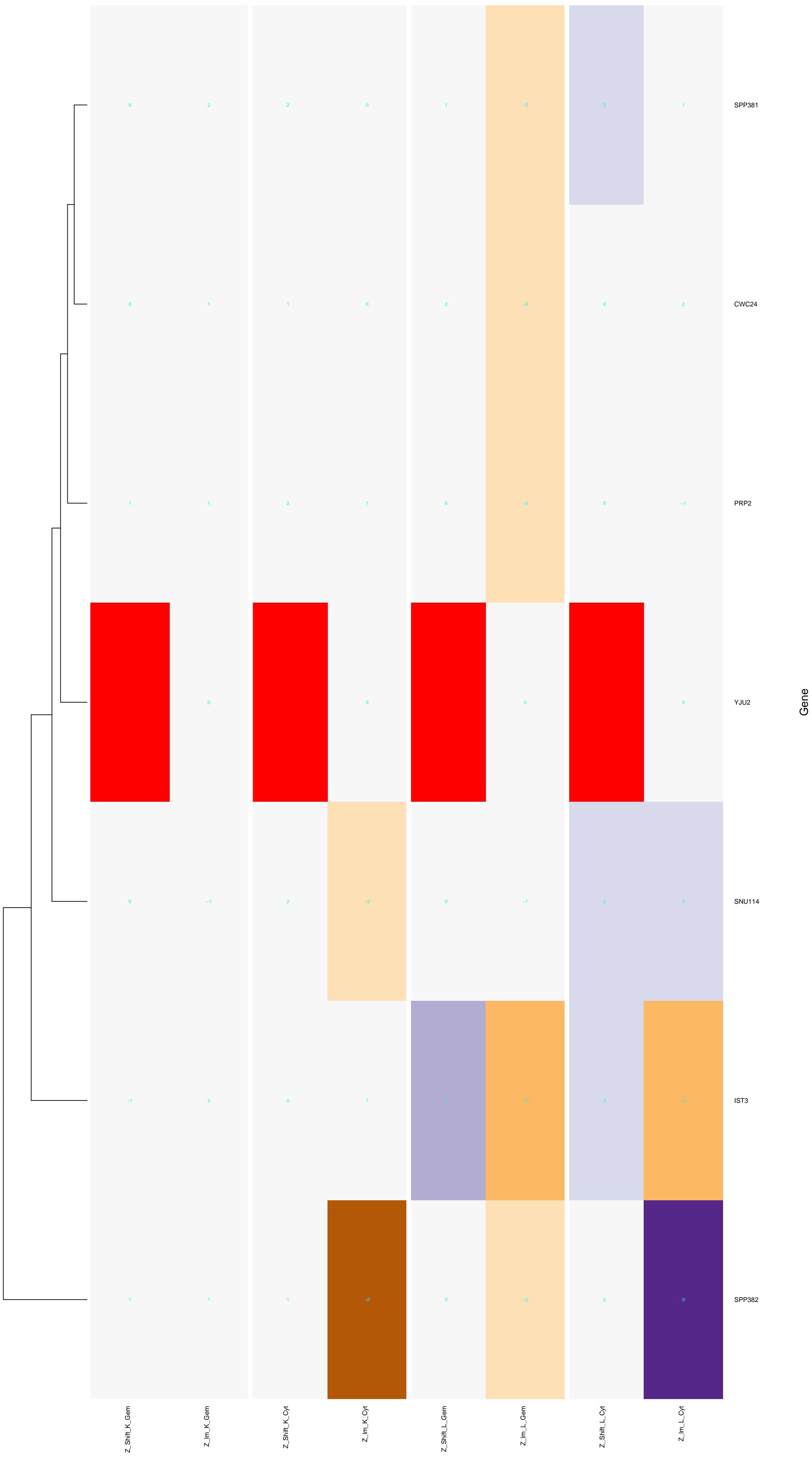


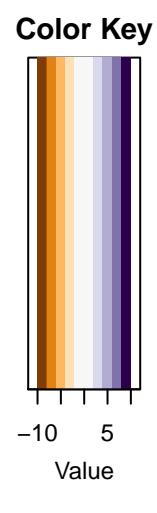
mRNA branch site recognition



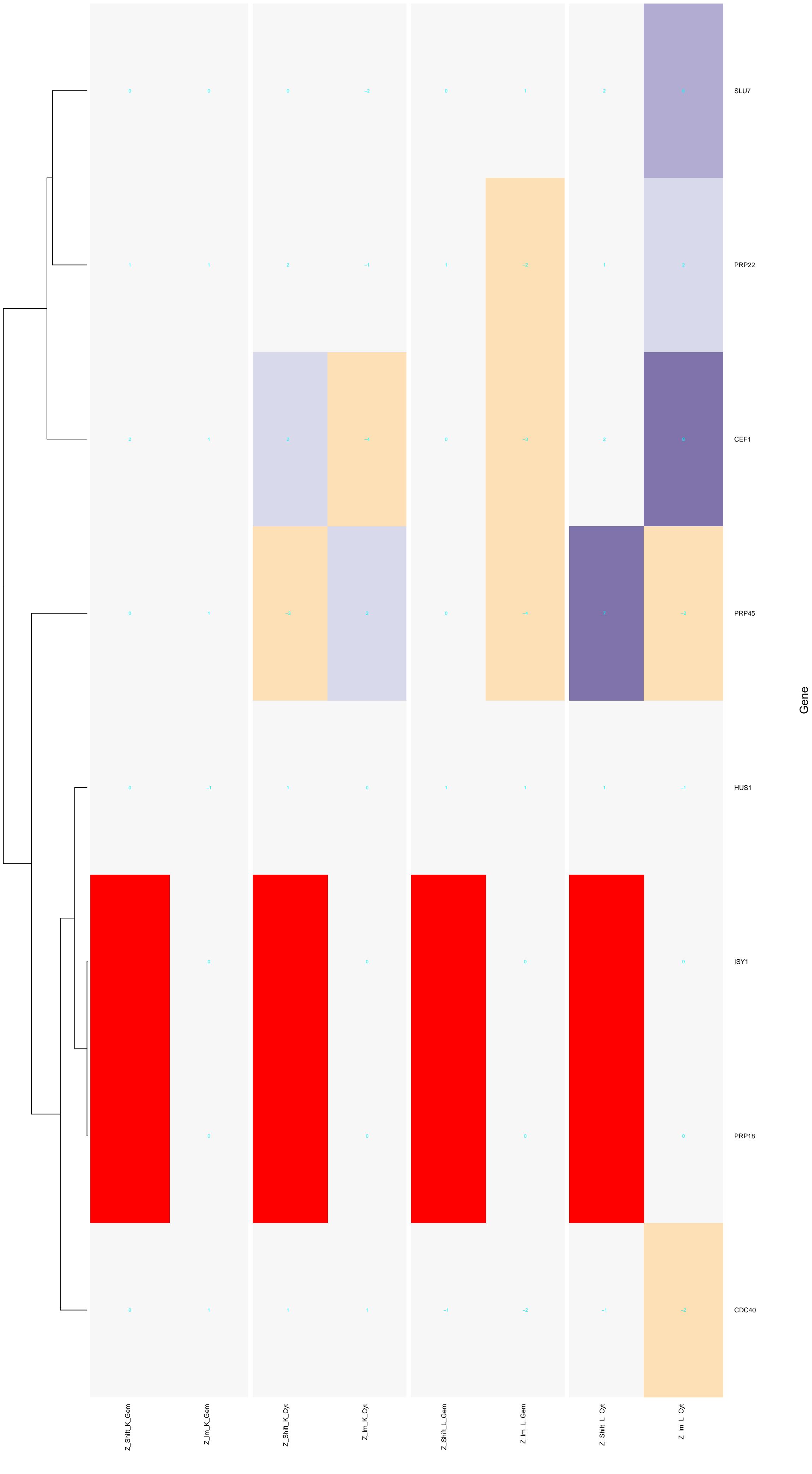


generation of catalytic spliceosome for first transesterification step

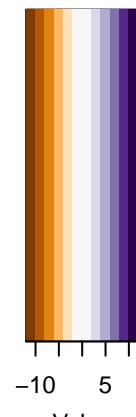




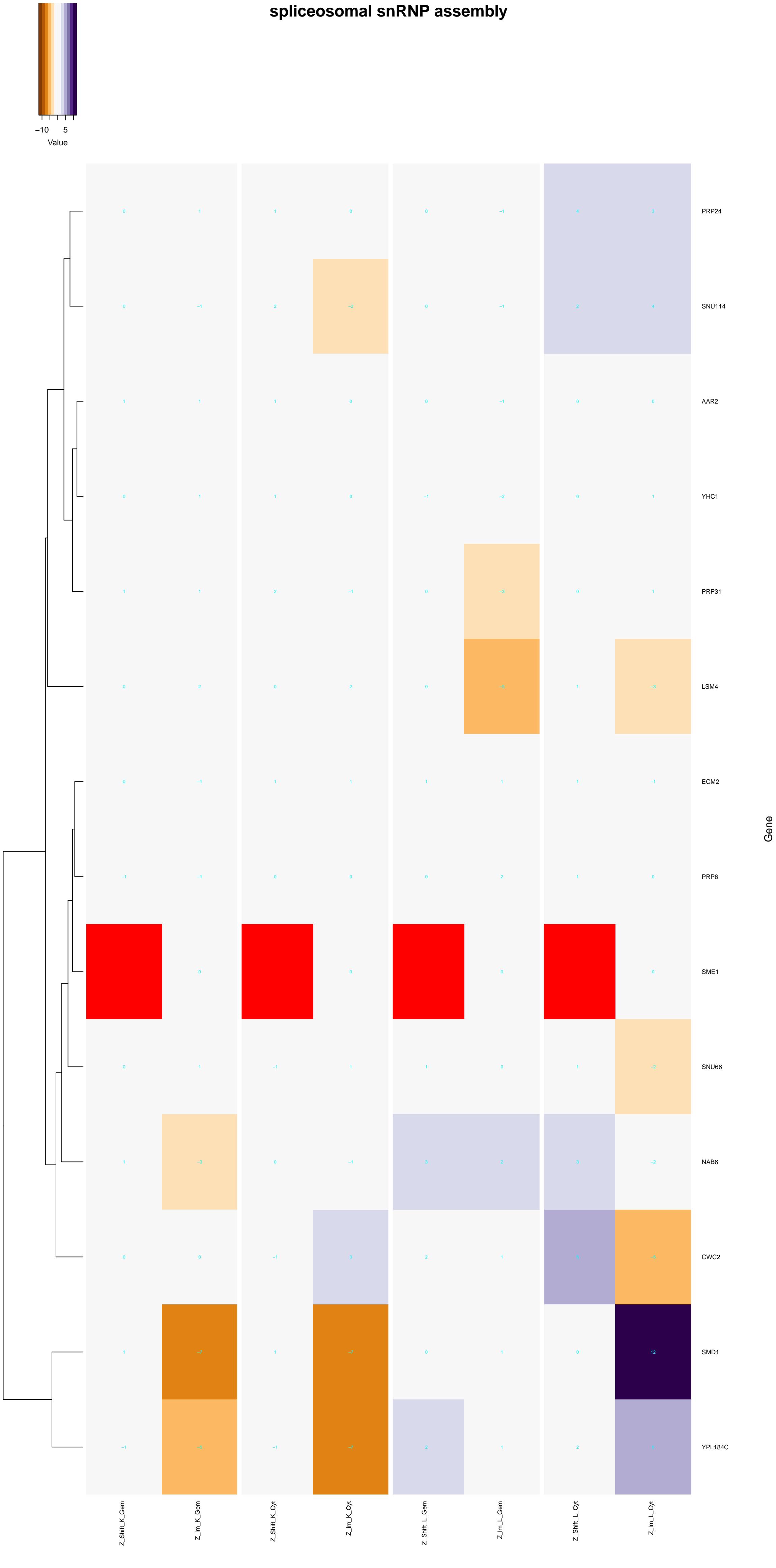
generation of catalytic spliceosome for second transesterification step

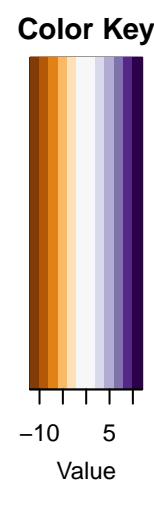


Color Key

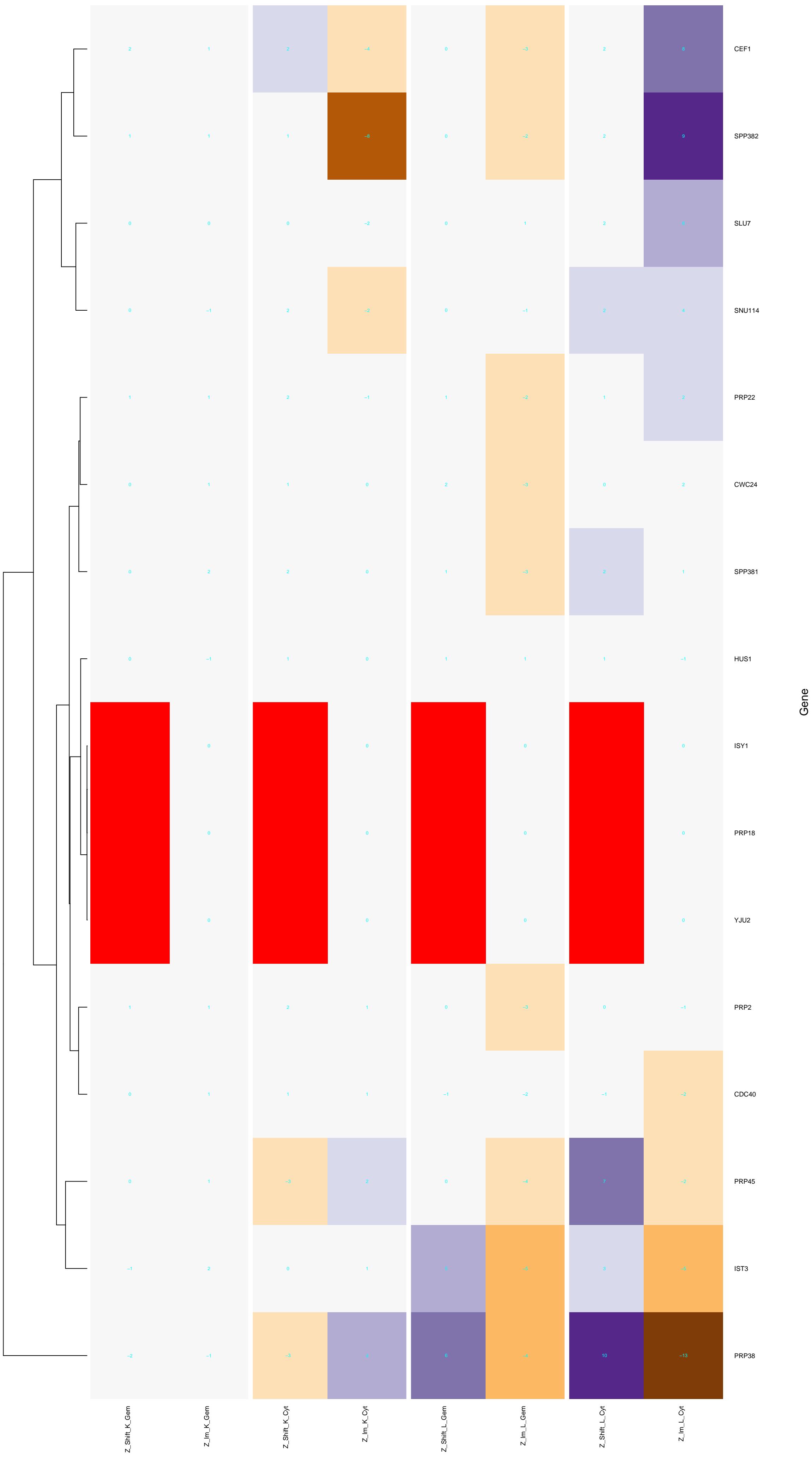


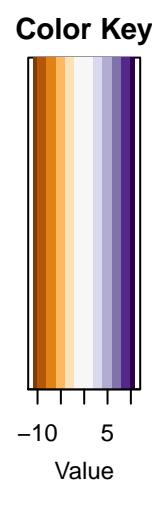
spliceosomal snRNP assembly



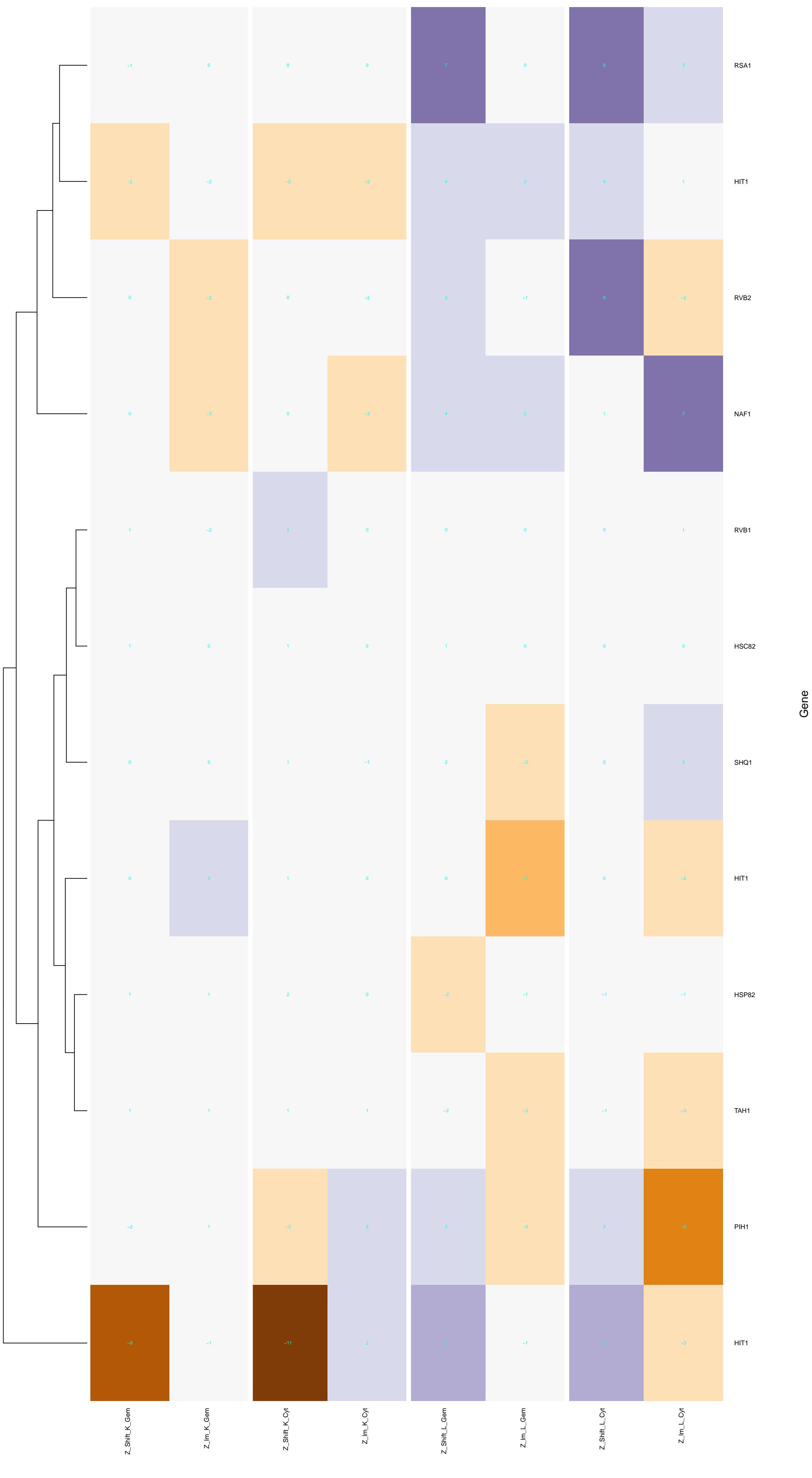


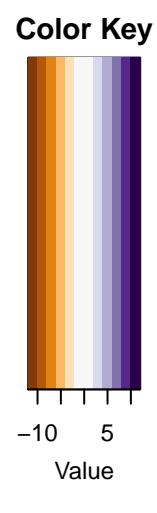
spliceosomal conformational changes to generate catalytic conformation



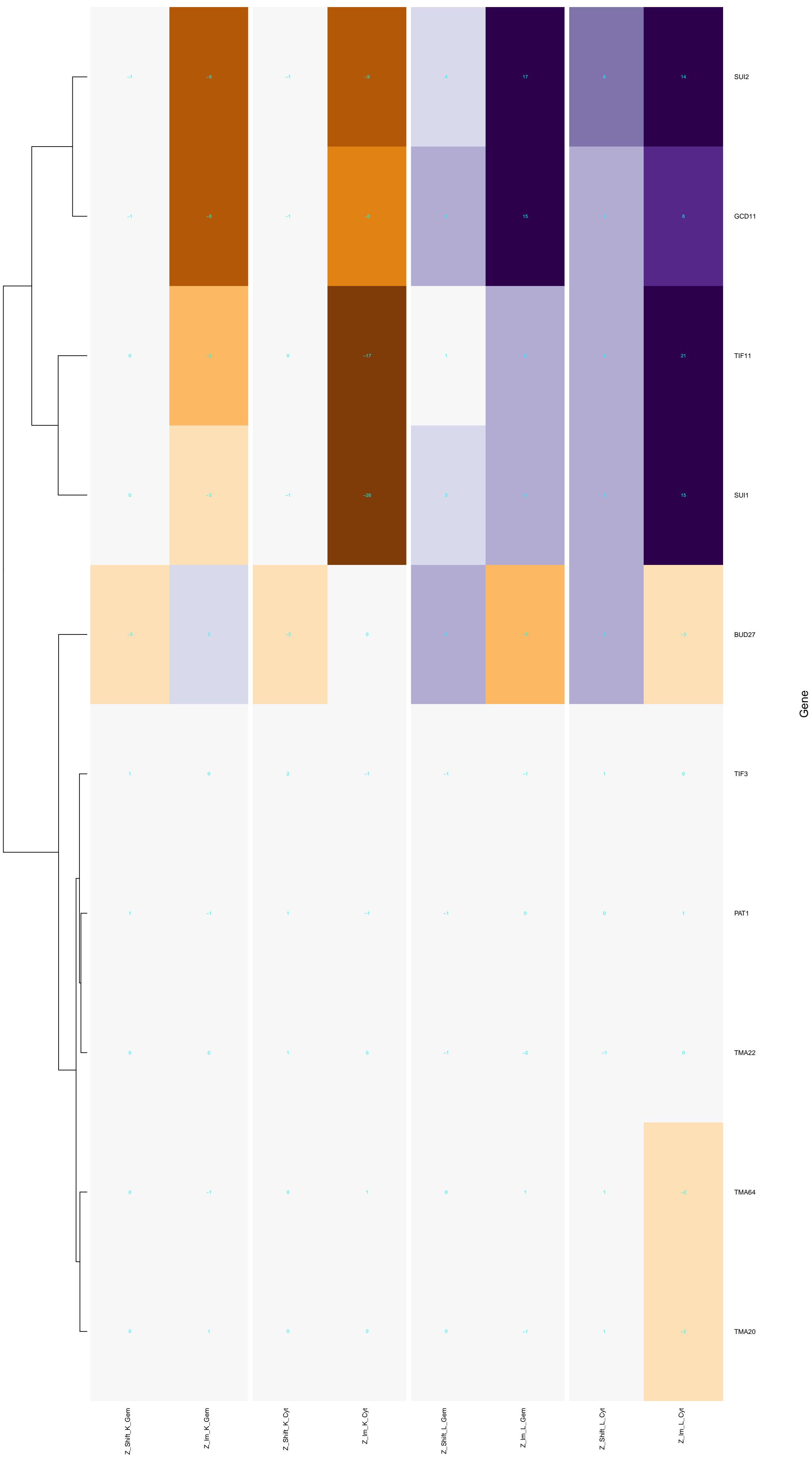


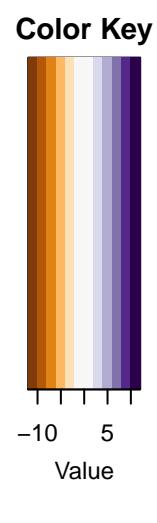
small nucleolar ribonucleoprotein complex assembly



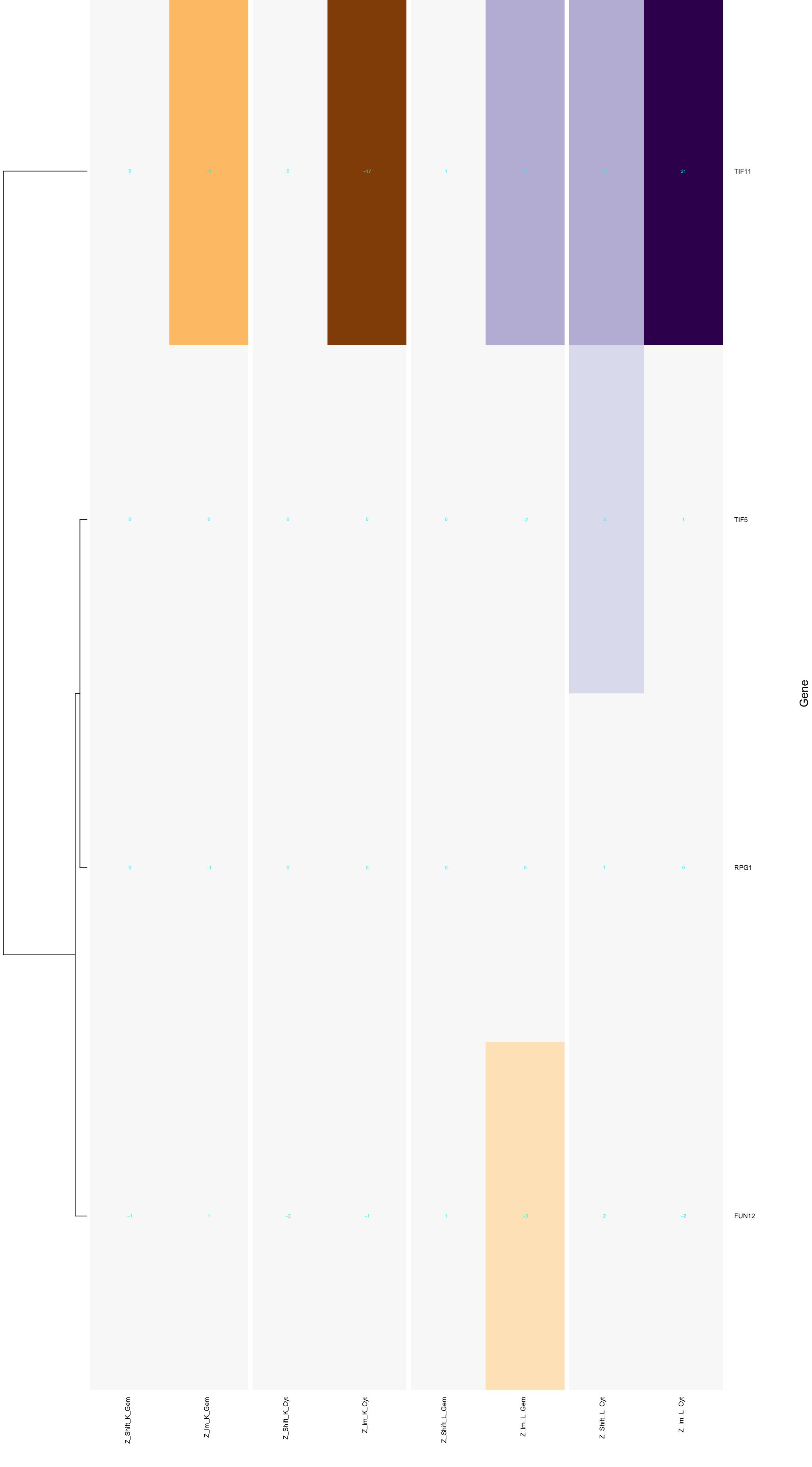


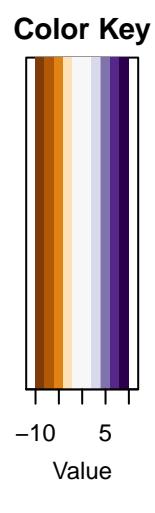
formation of translation preinitiation complex



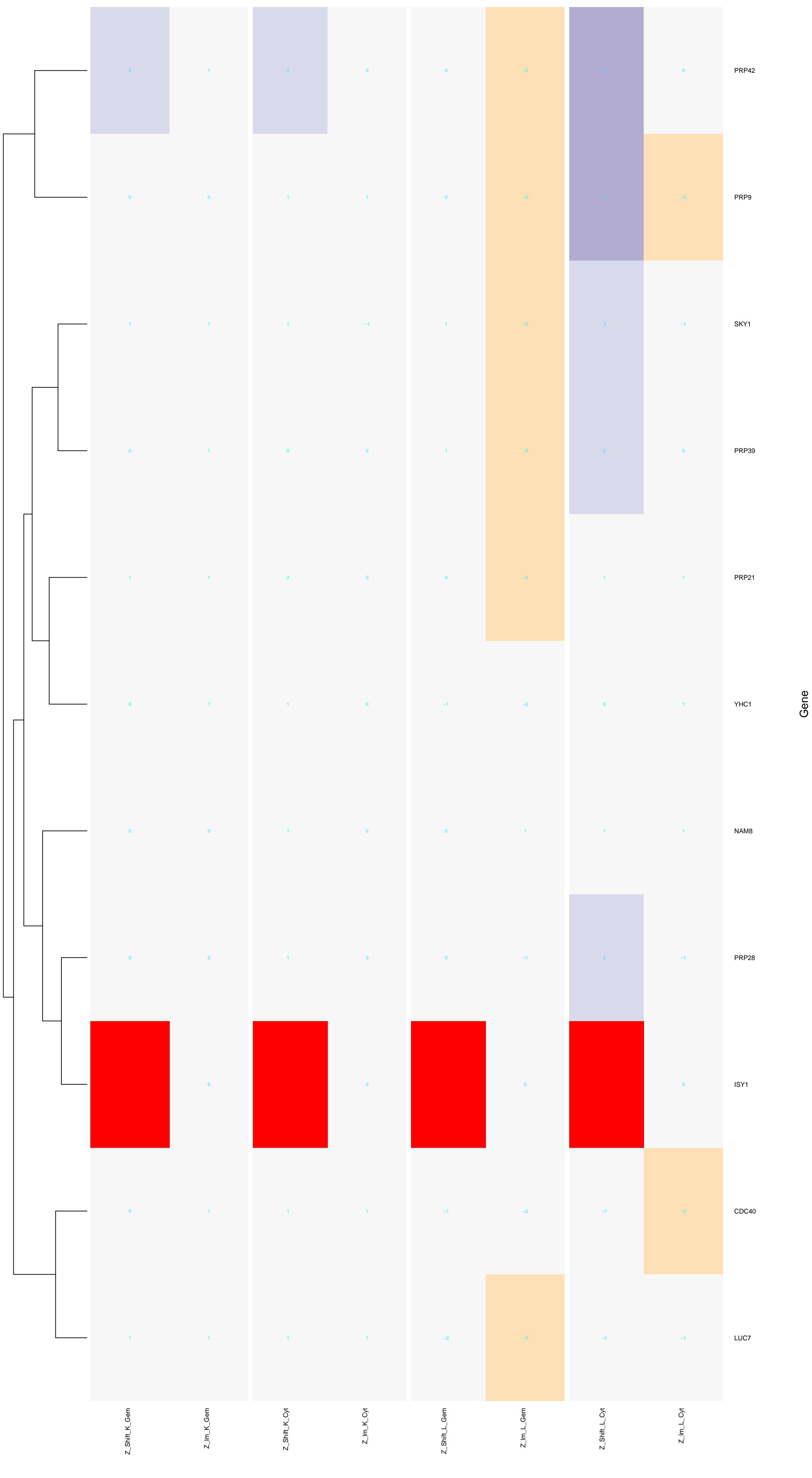


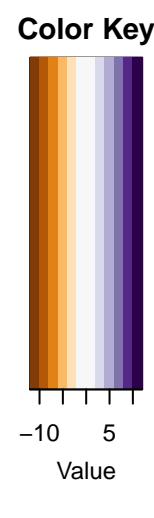
formation of cytoplasmic translation initiation complex



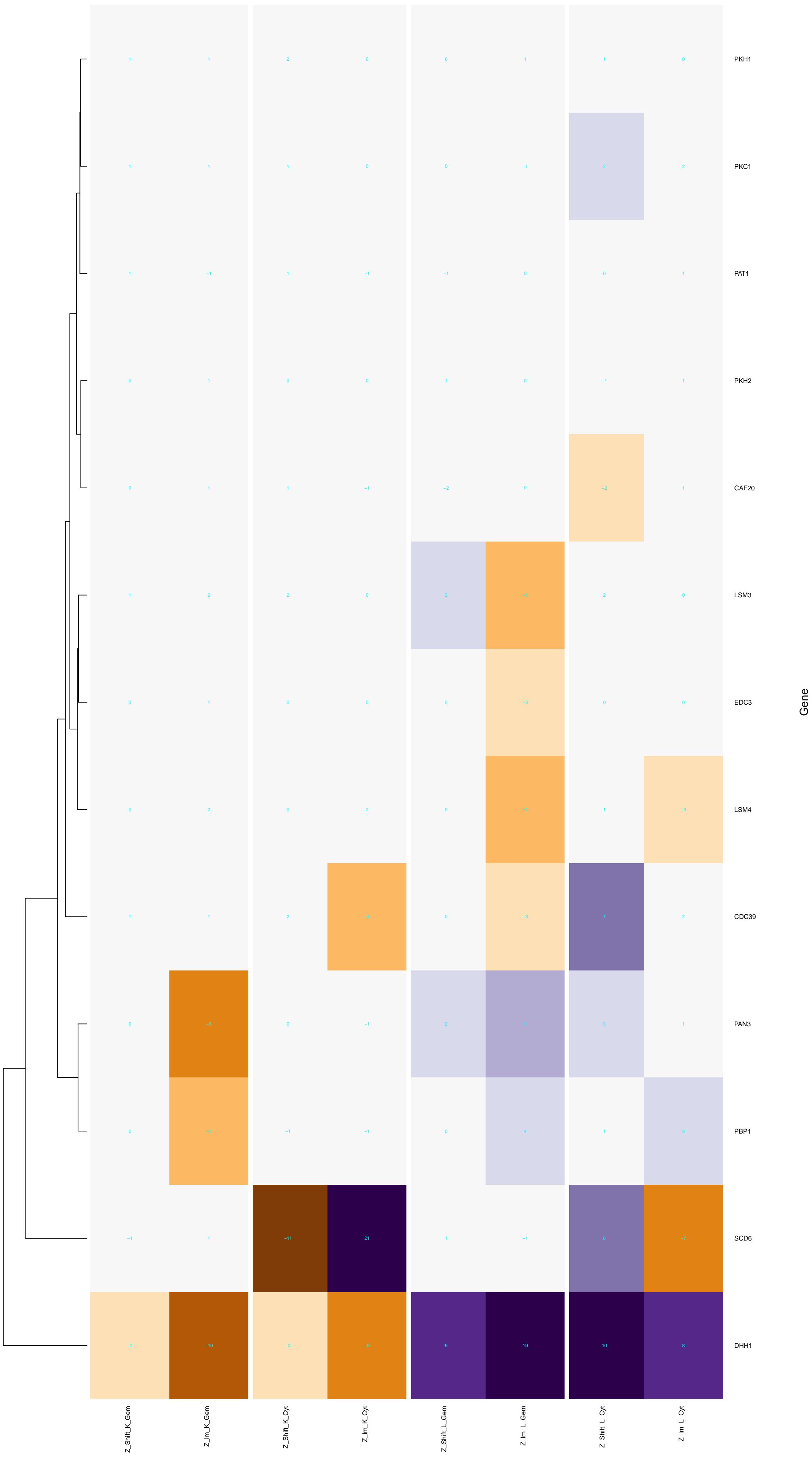


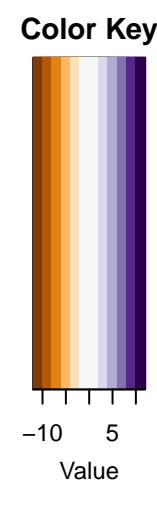
mRNA splice site selection



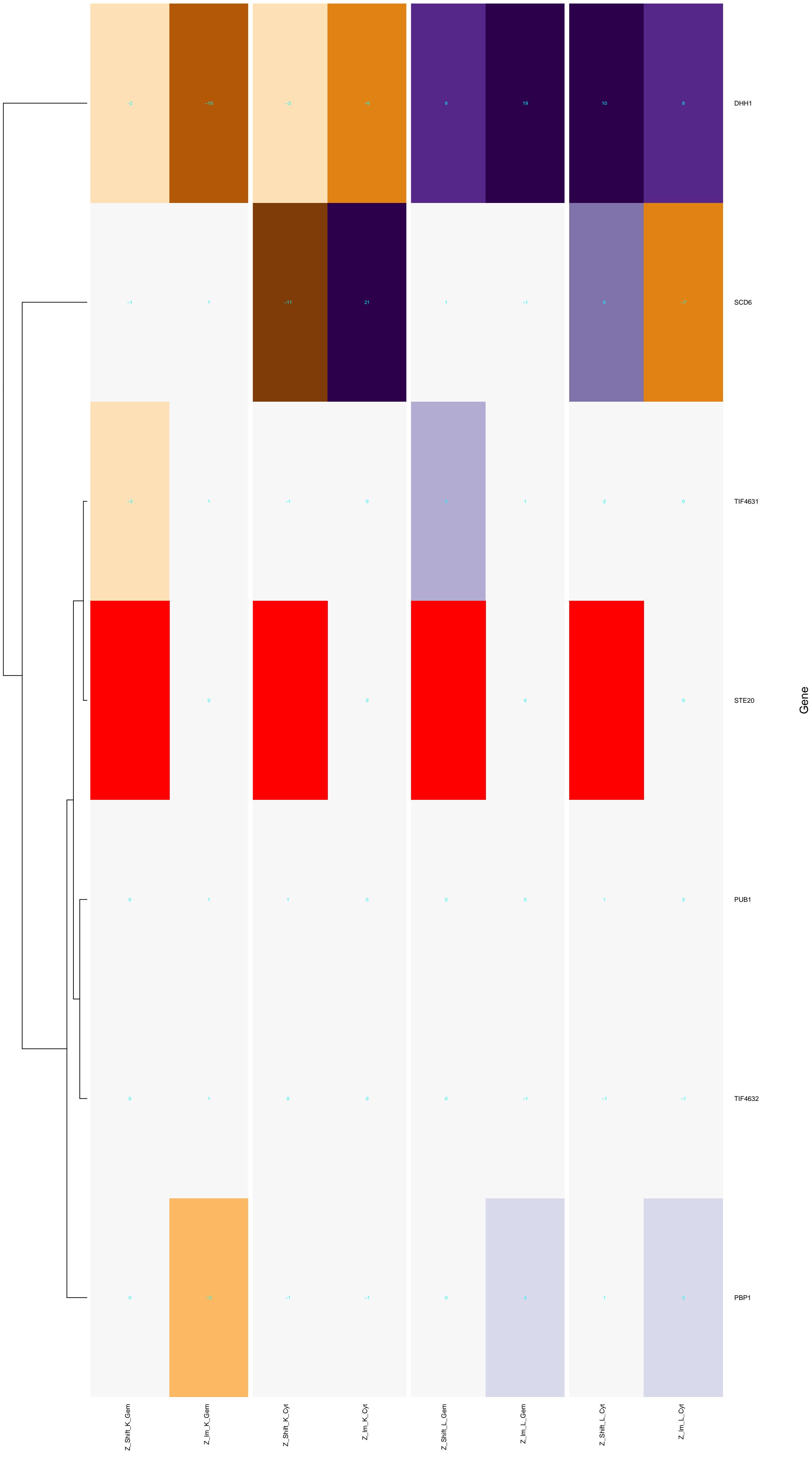


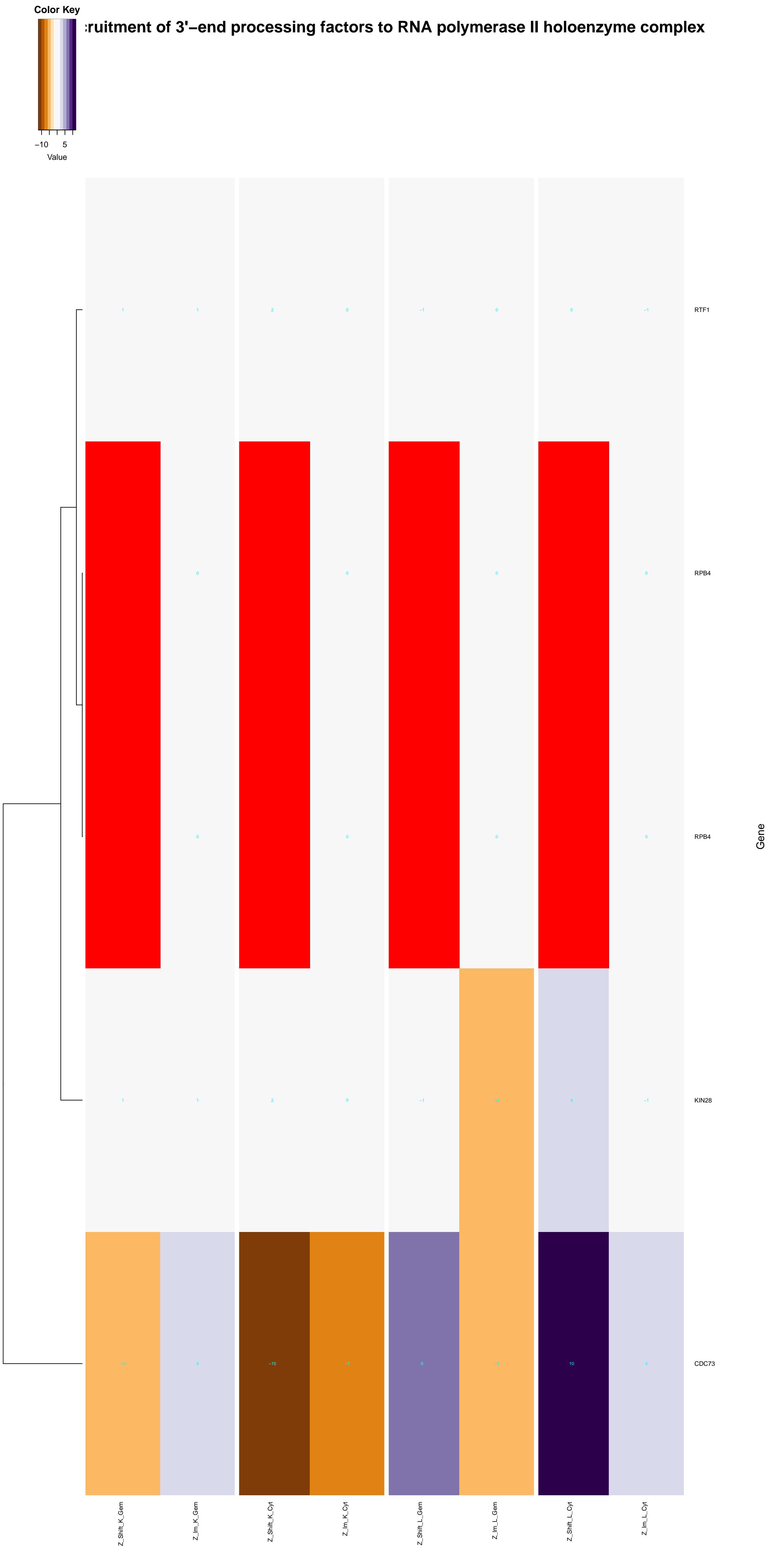
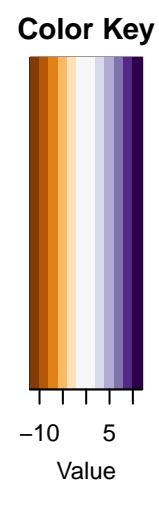
cytoplasmic mRNA processing body assembly

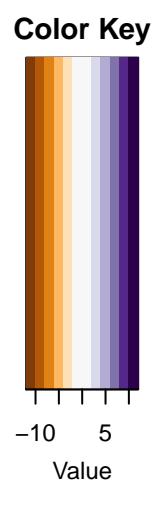




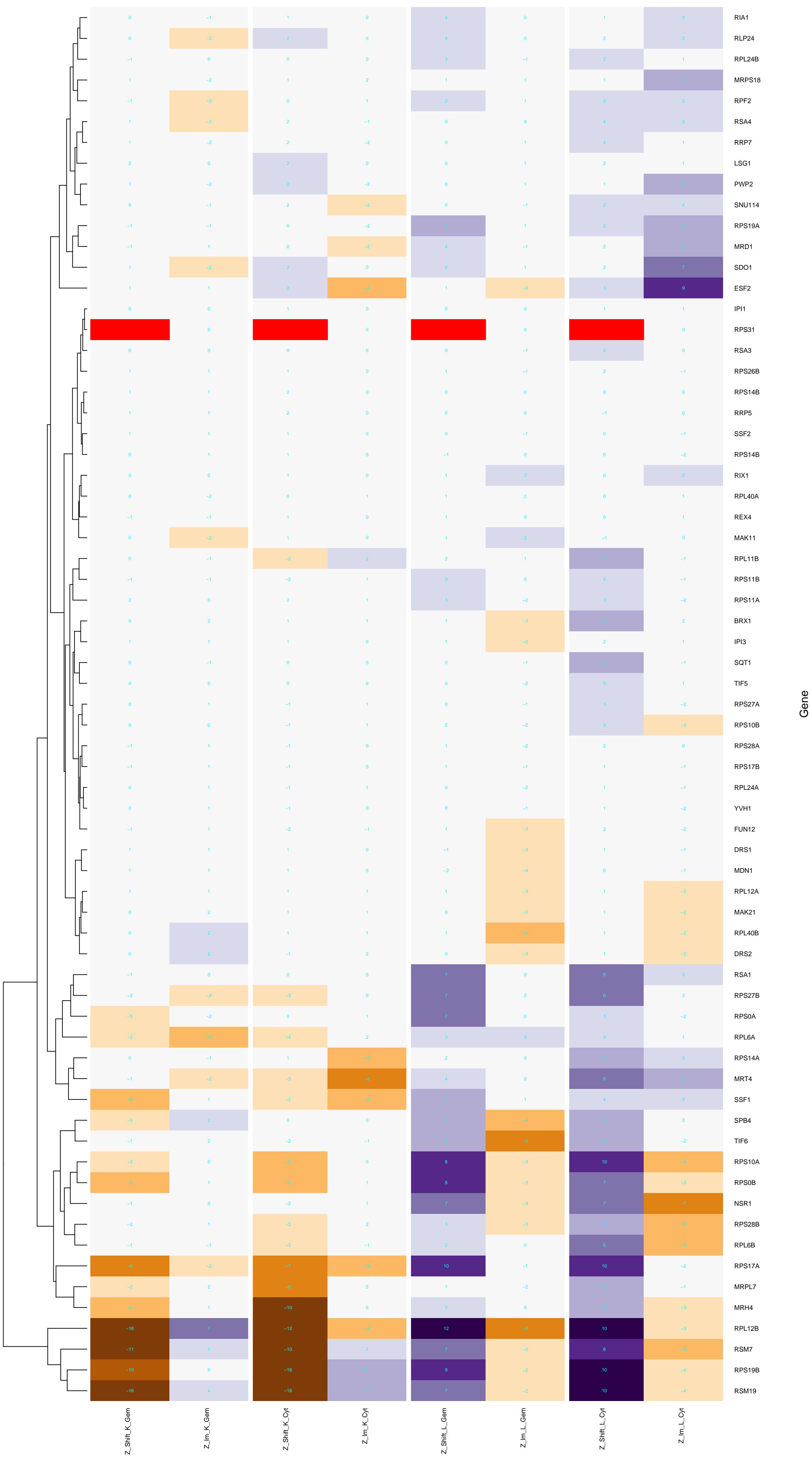
stress granule assembly

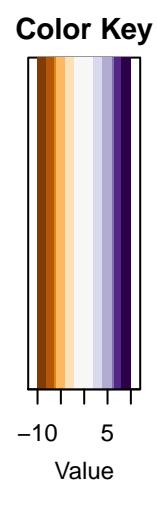




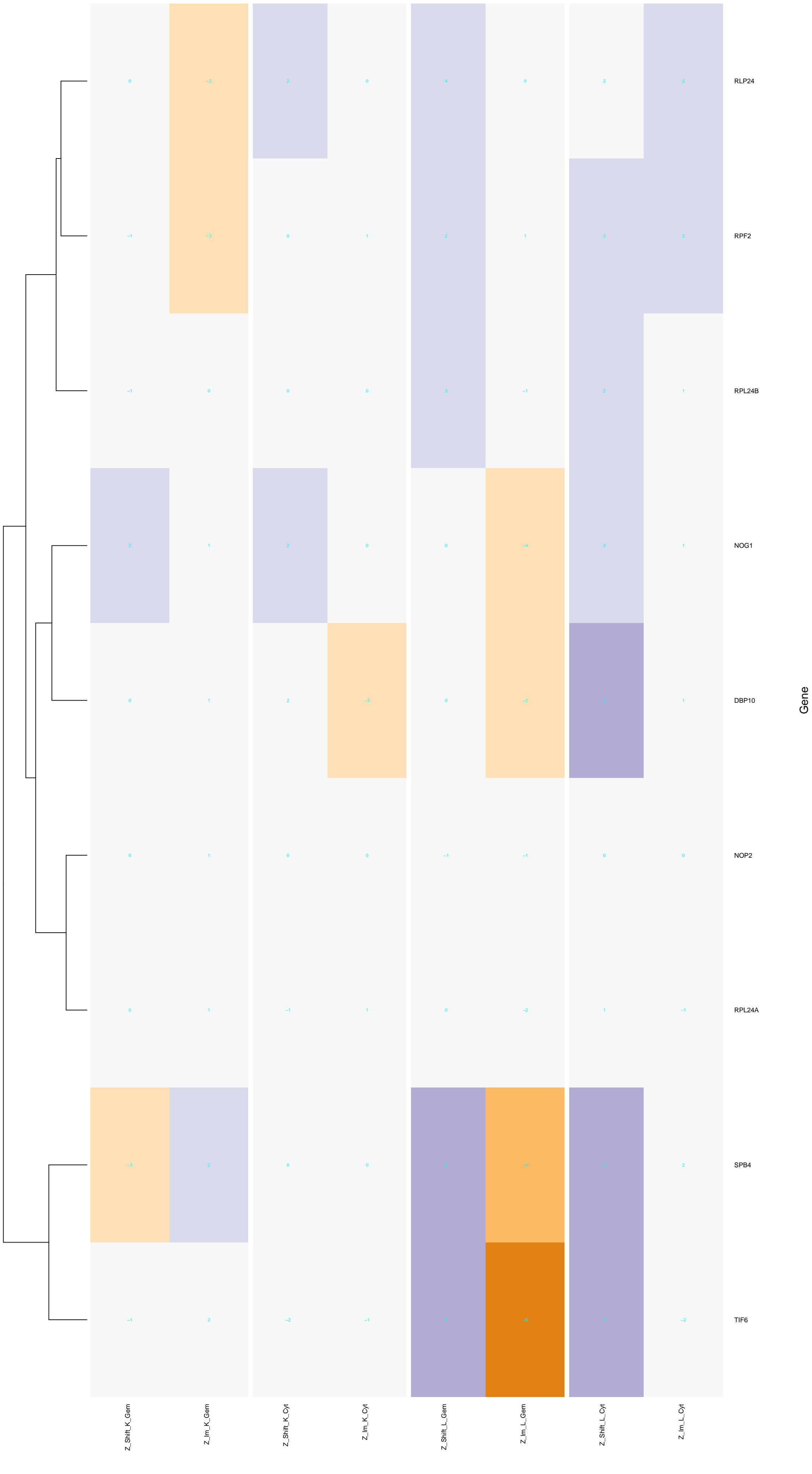


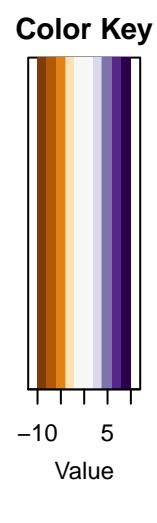
ribosome assembly



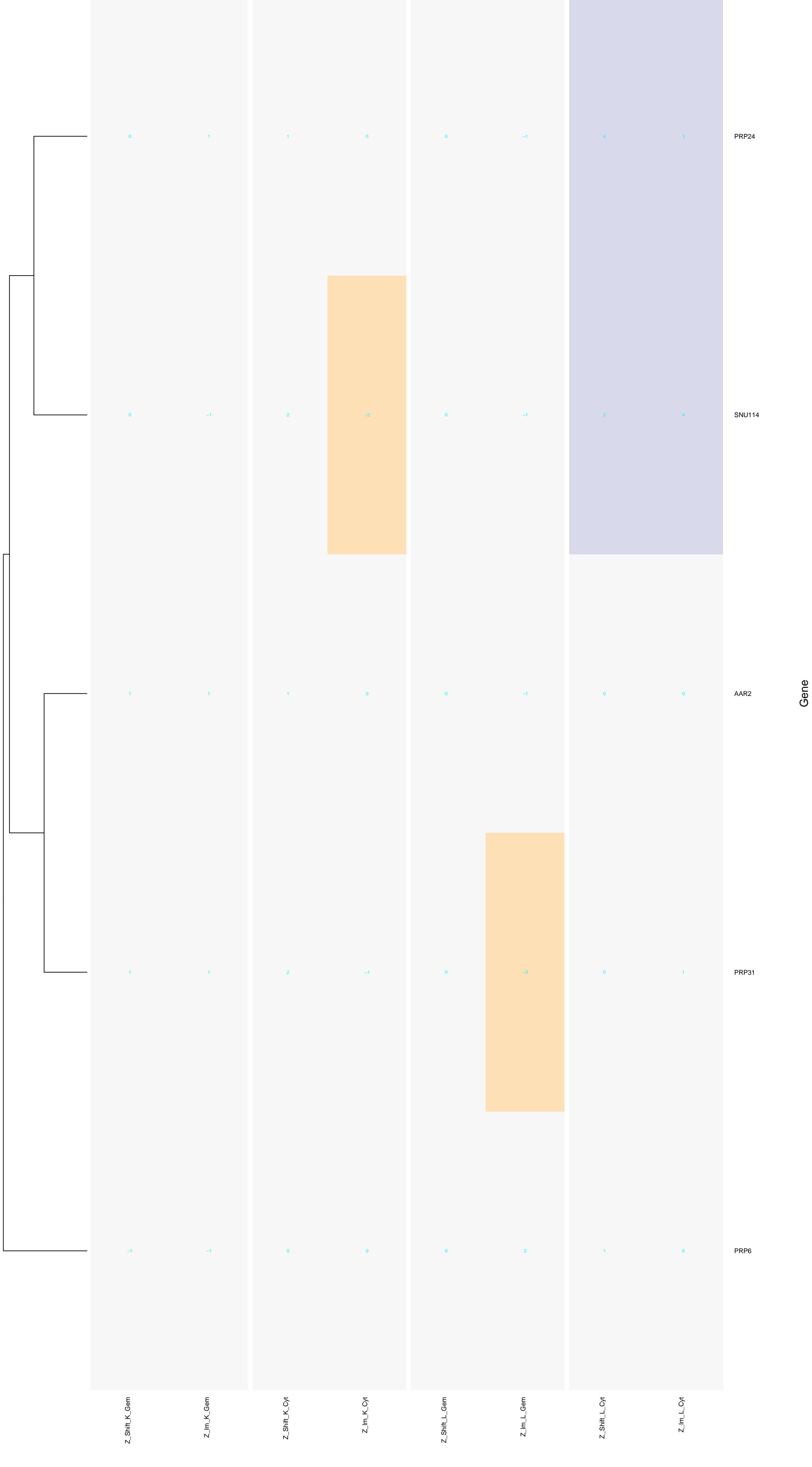


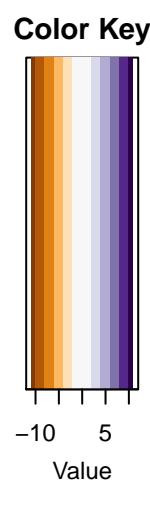
assembly of large subunit precursor of preribosome



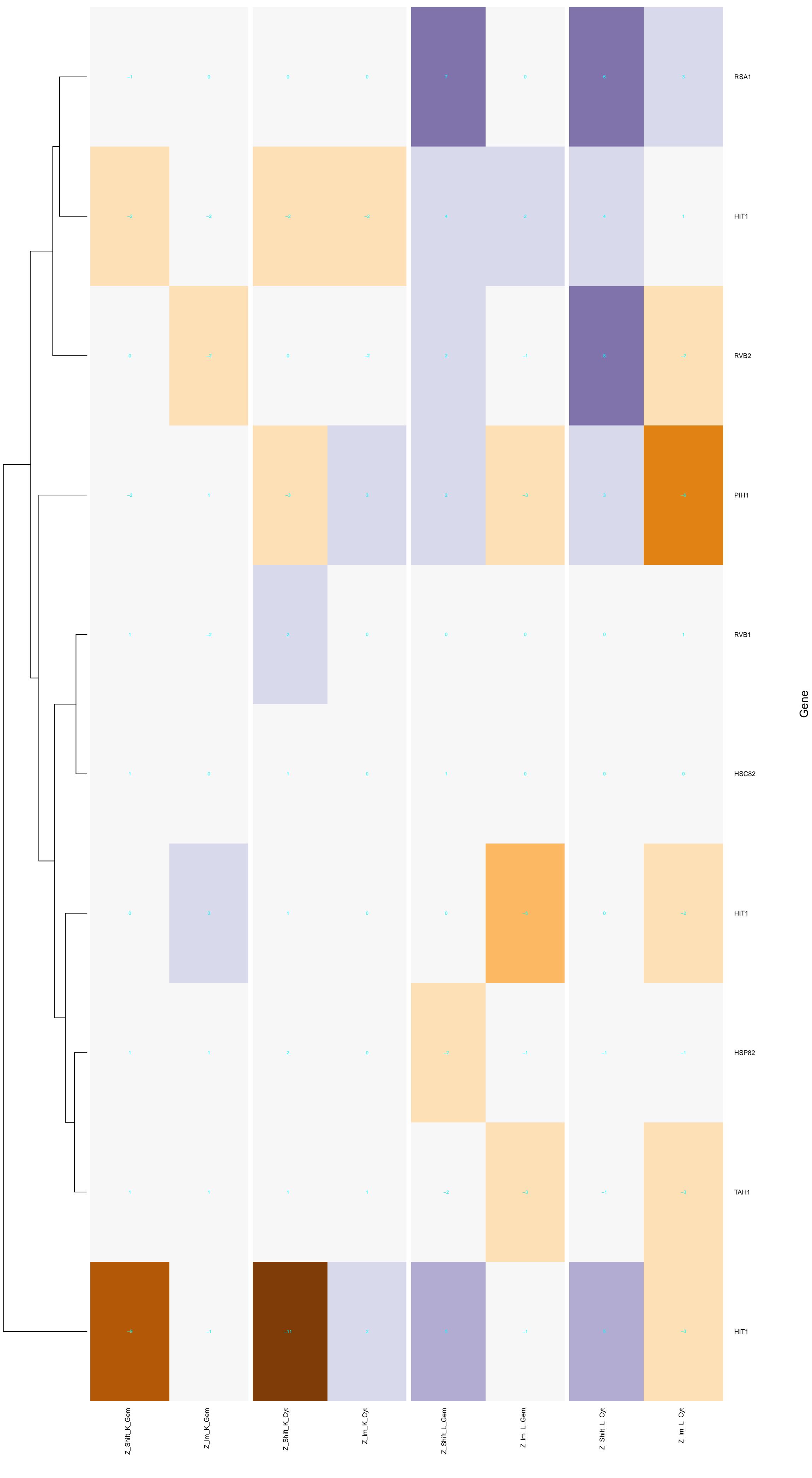


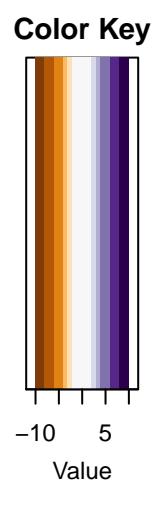
spliceosomal tri-snRNP complex assembly



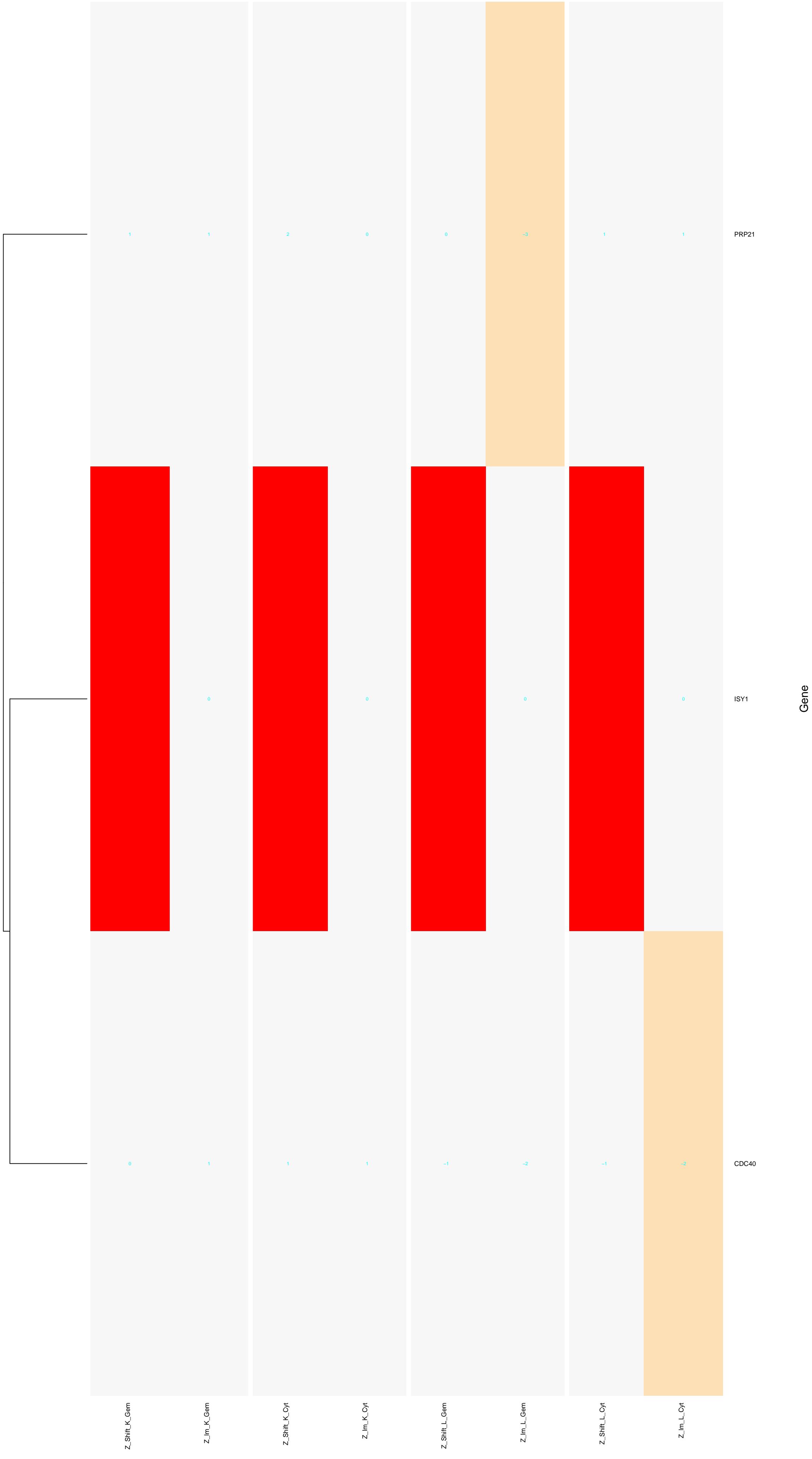


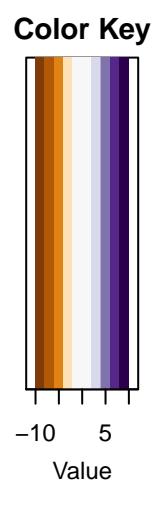
box C/D snoRNP assembly



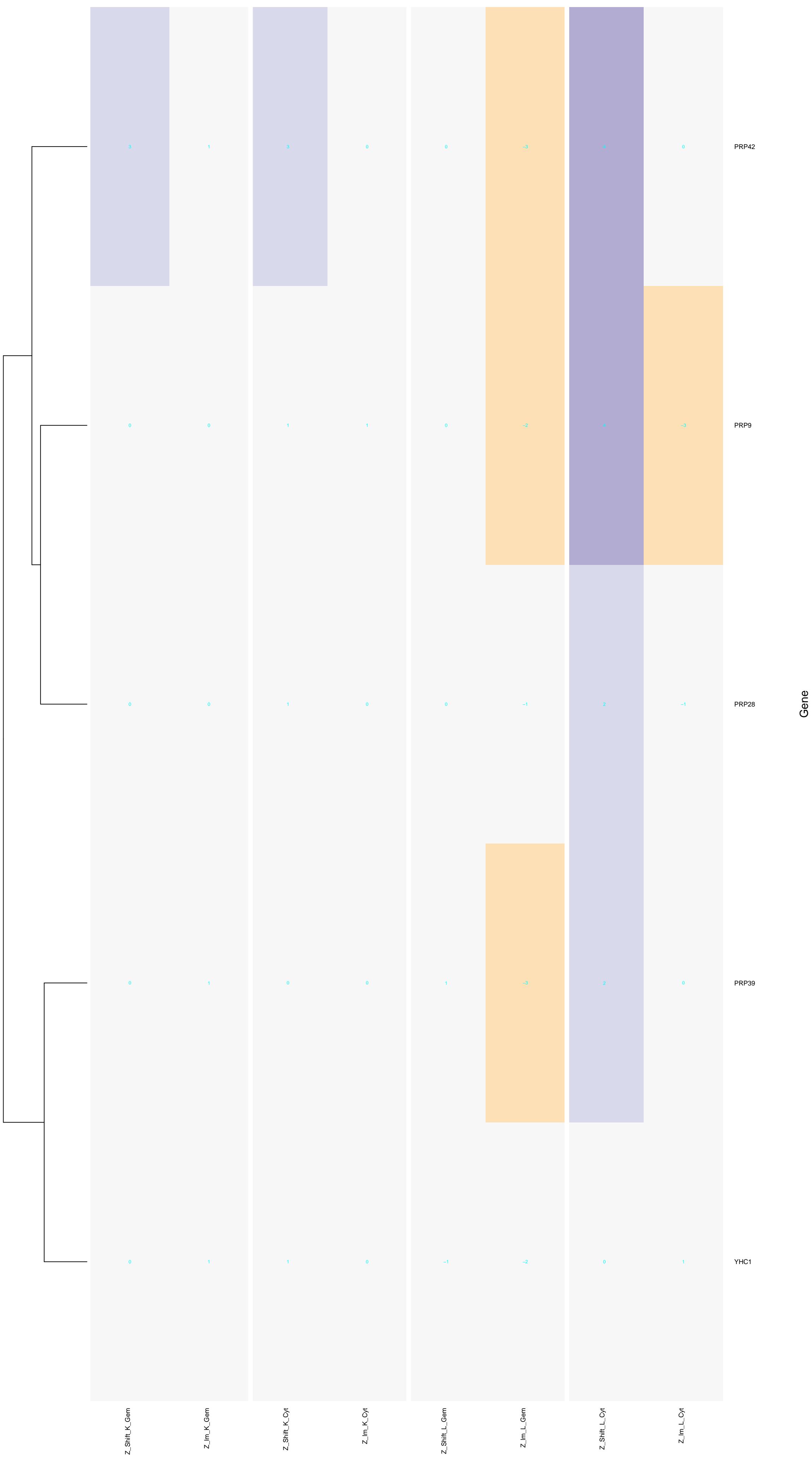


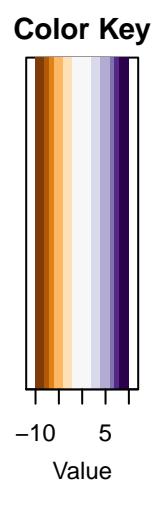
mRNA 3'-splice site recognition





mRNA 5'-splice site recognition





mature ribosome assembly

