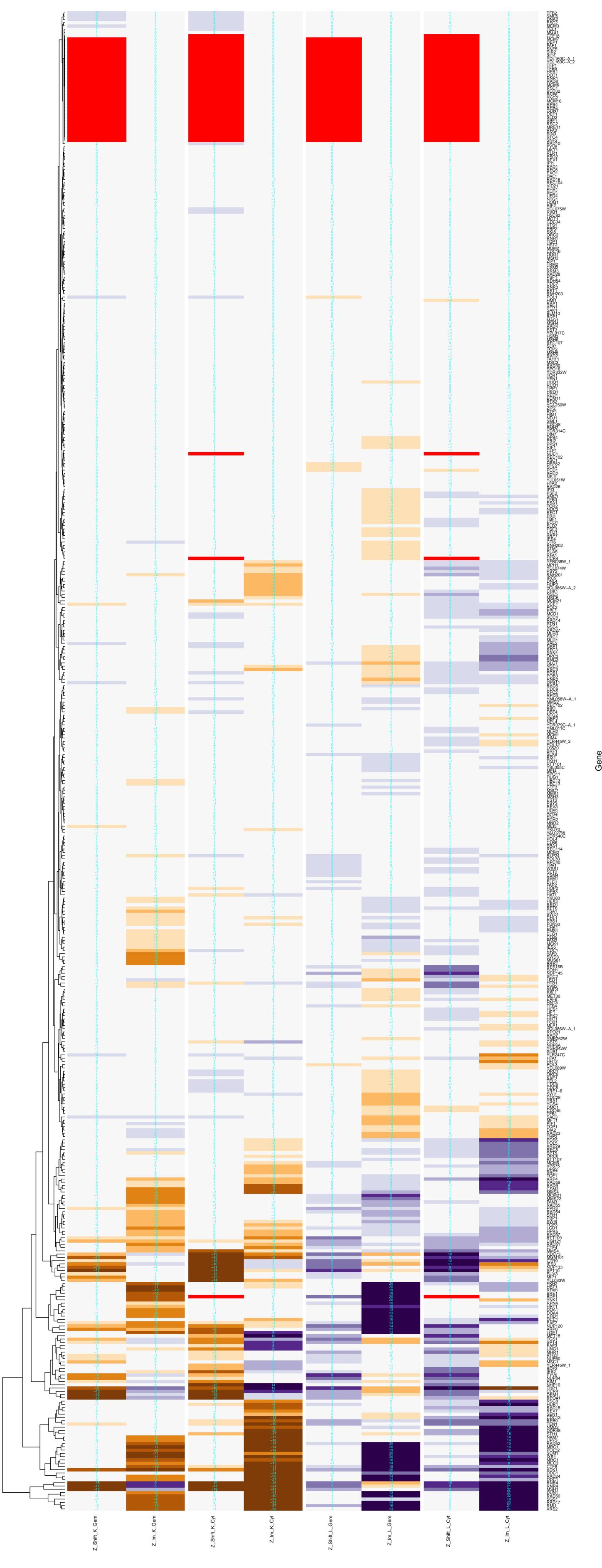
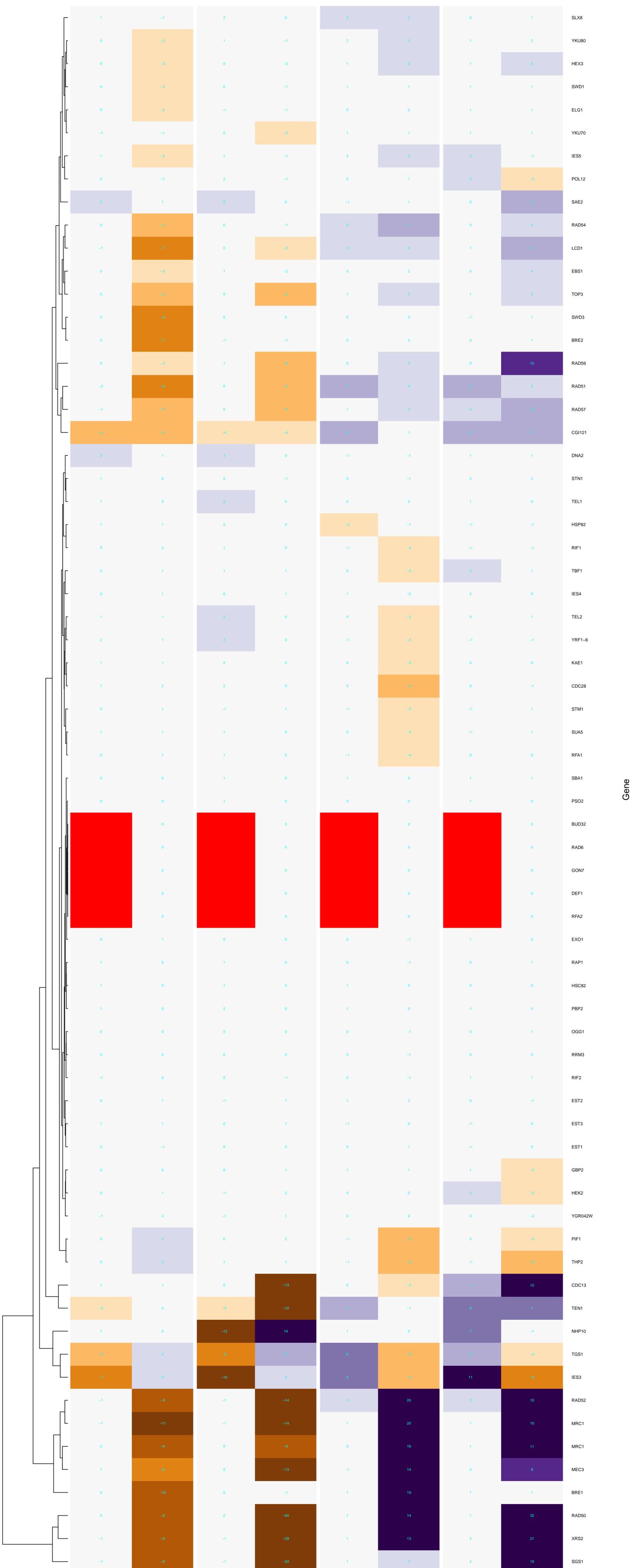
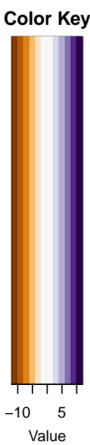


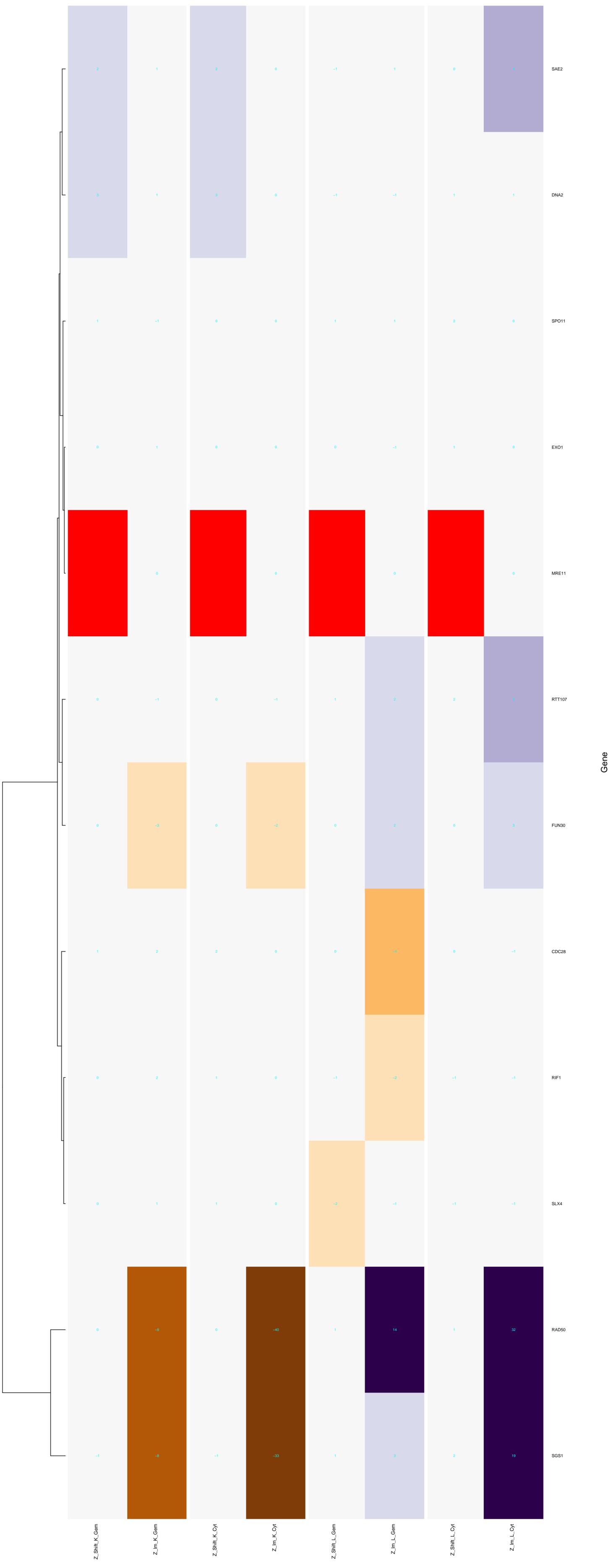
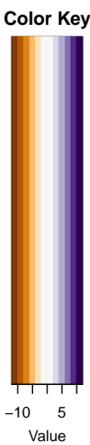
DNA metabolic process



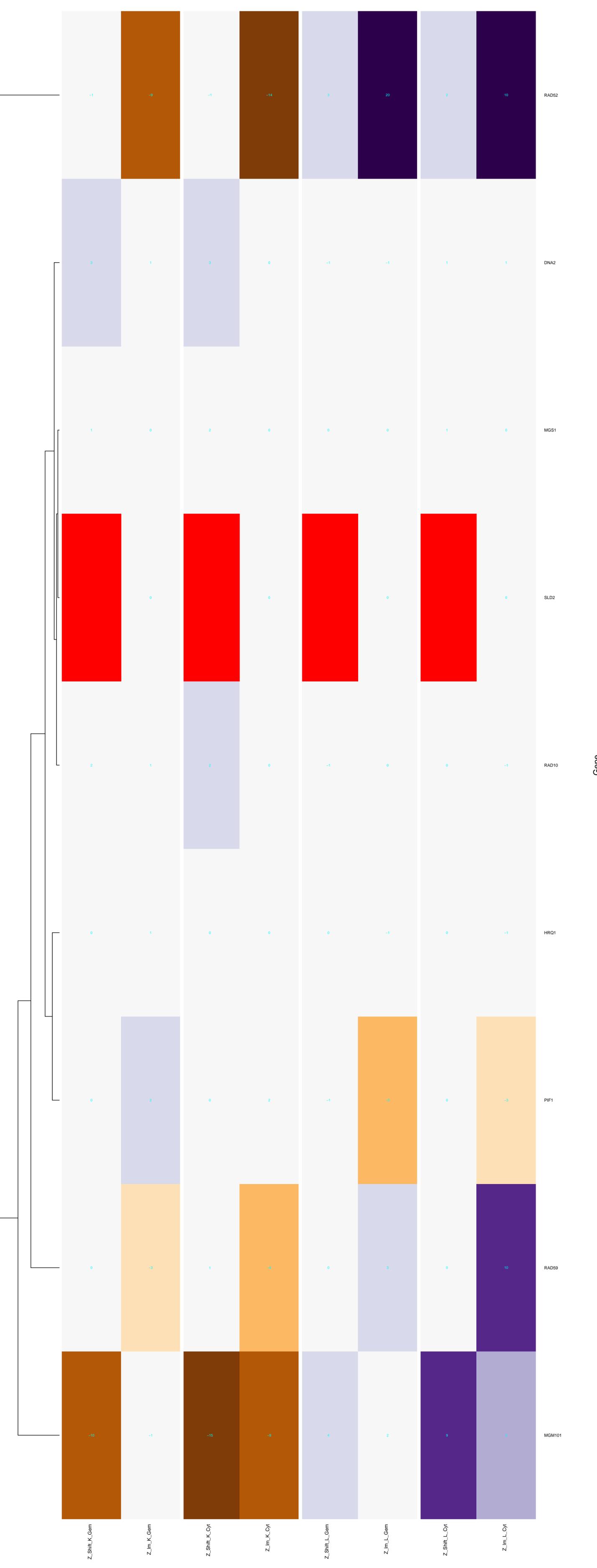
telomere maintenance



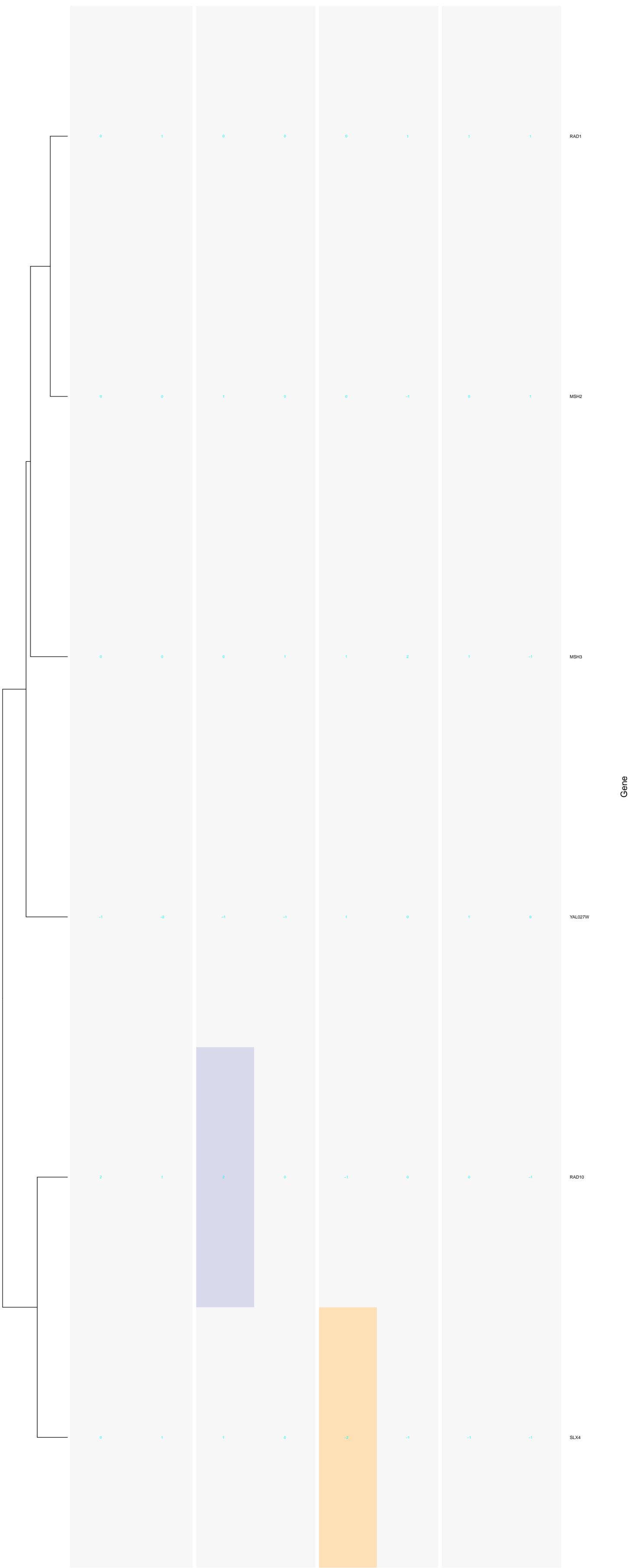
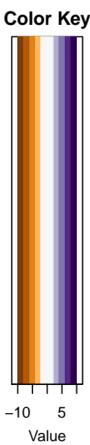
DNA double-strand break processing



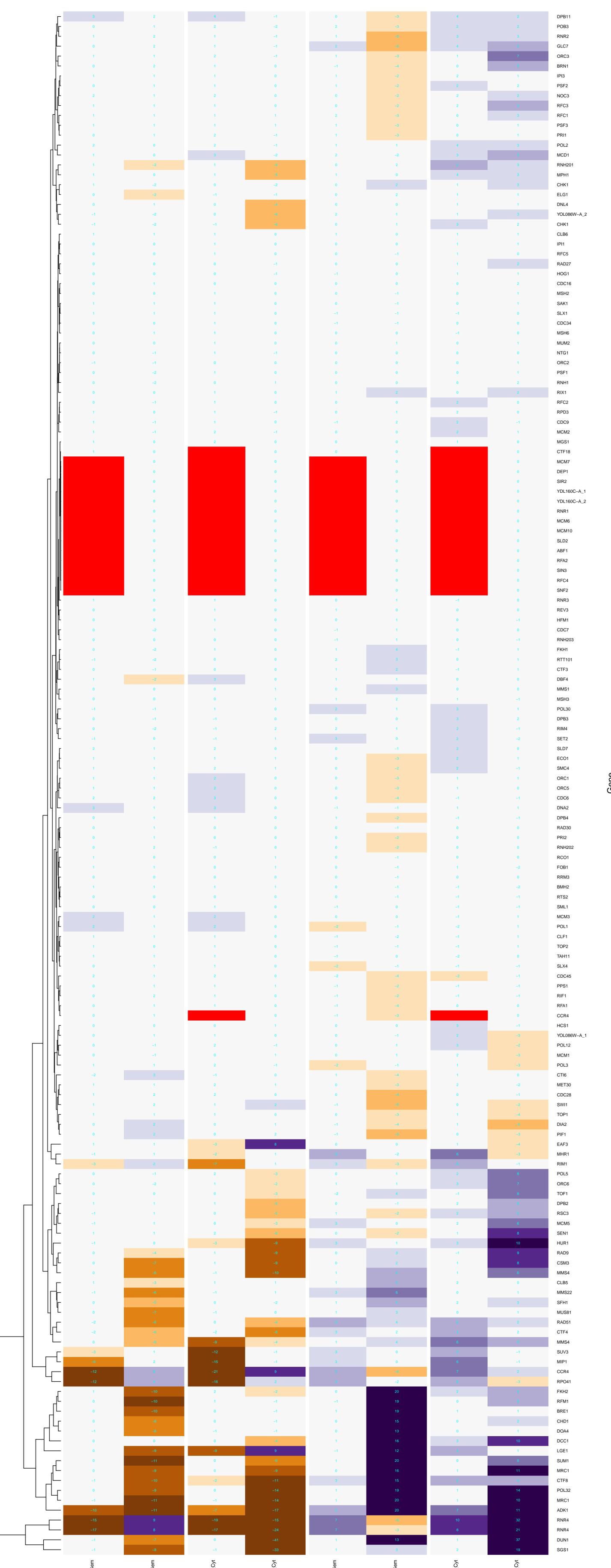
DNA strand renaturation



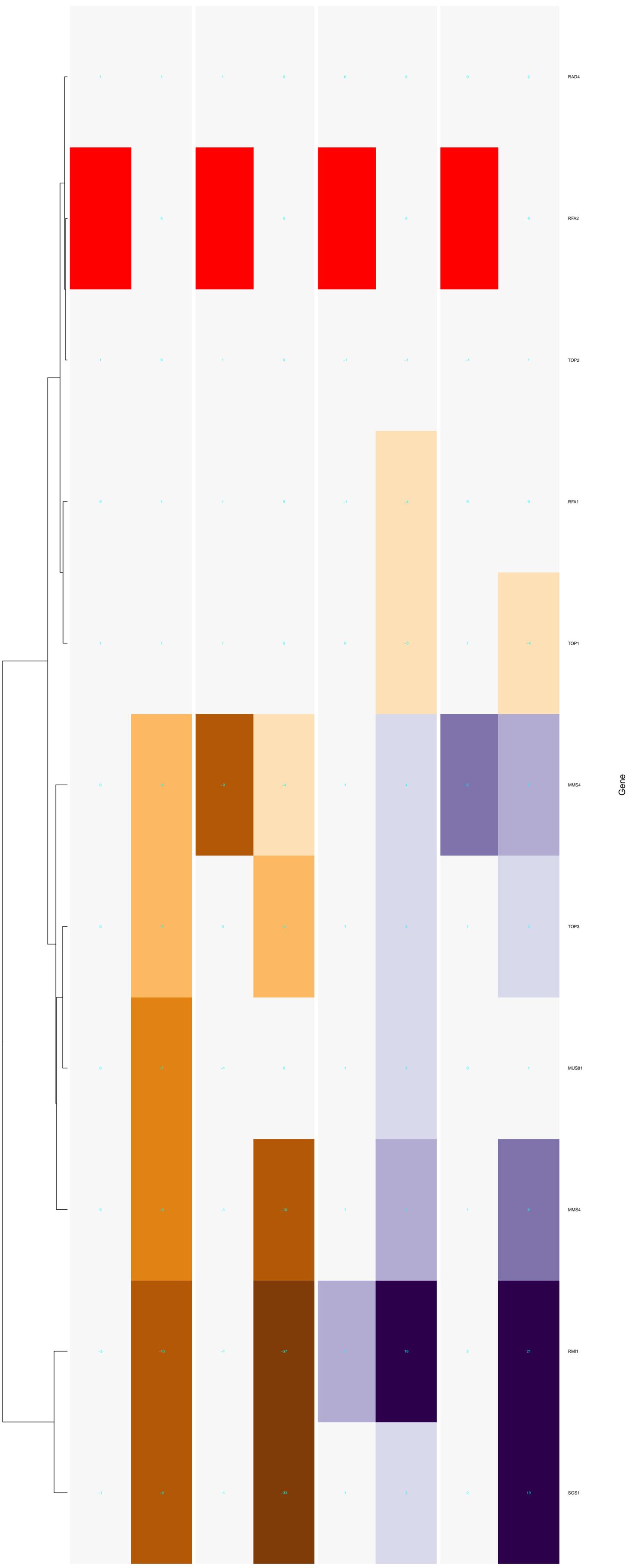
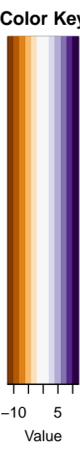
removal of nonhomologous ends



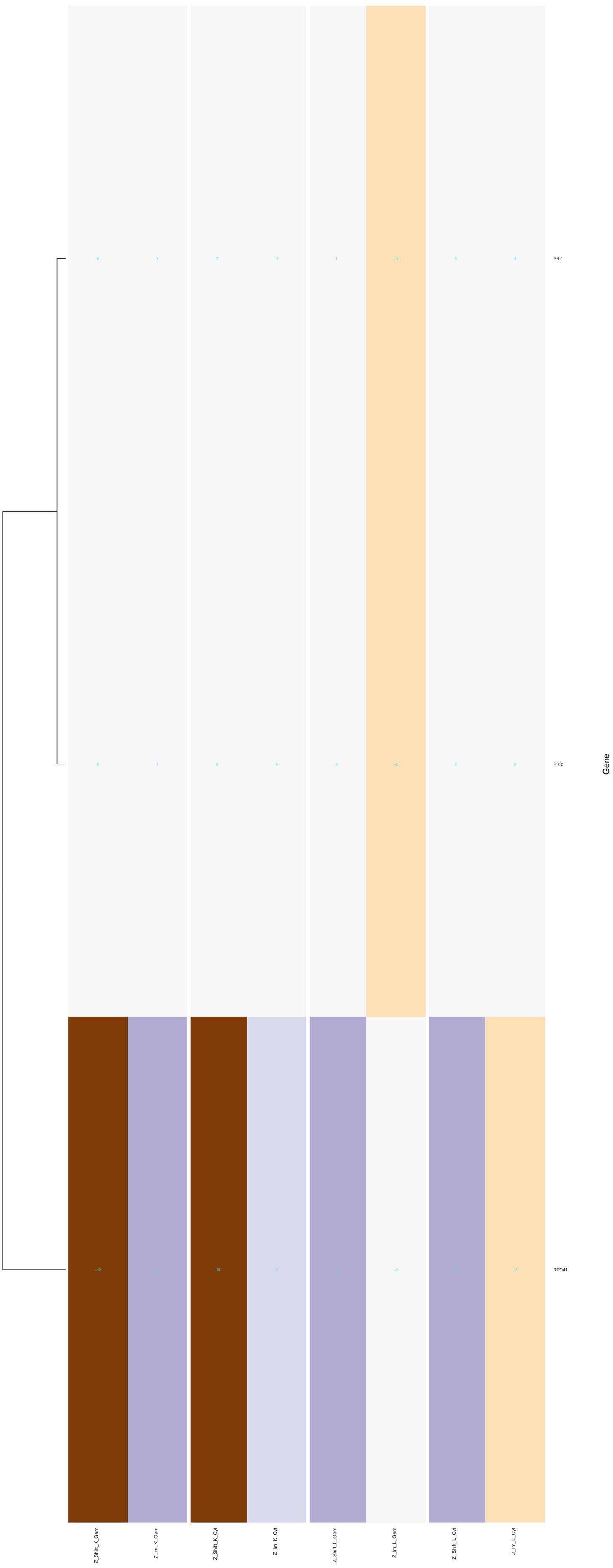
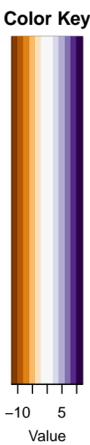
DNA replication



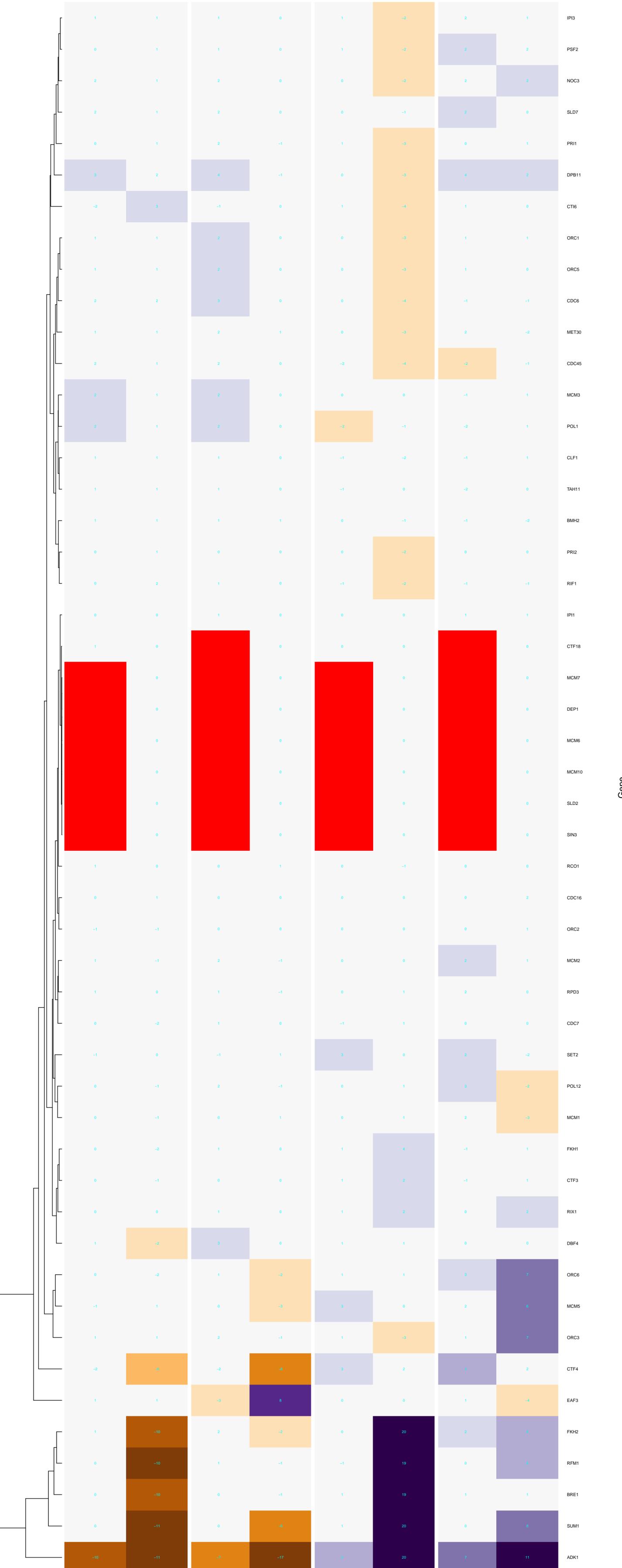
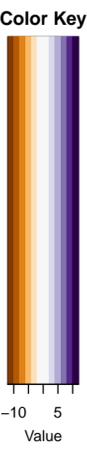
DNA topological change



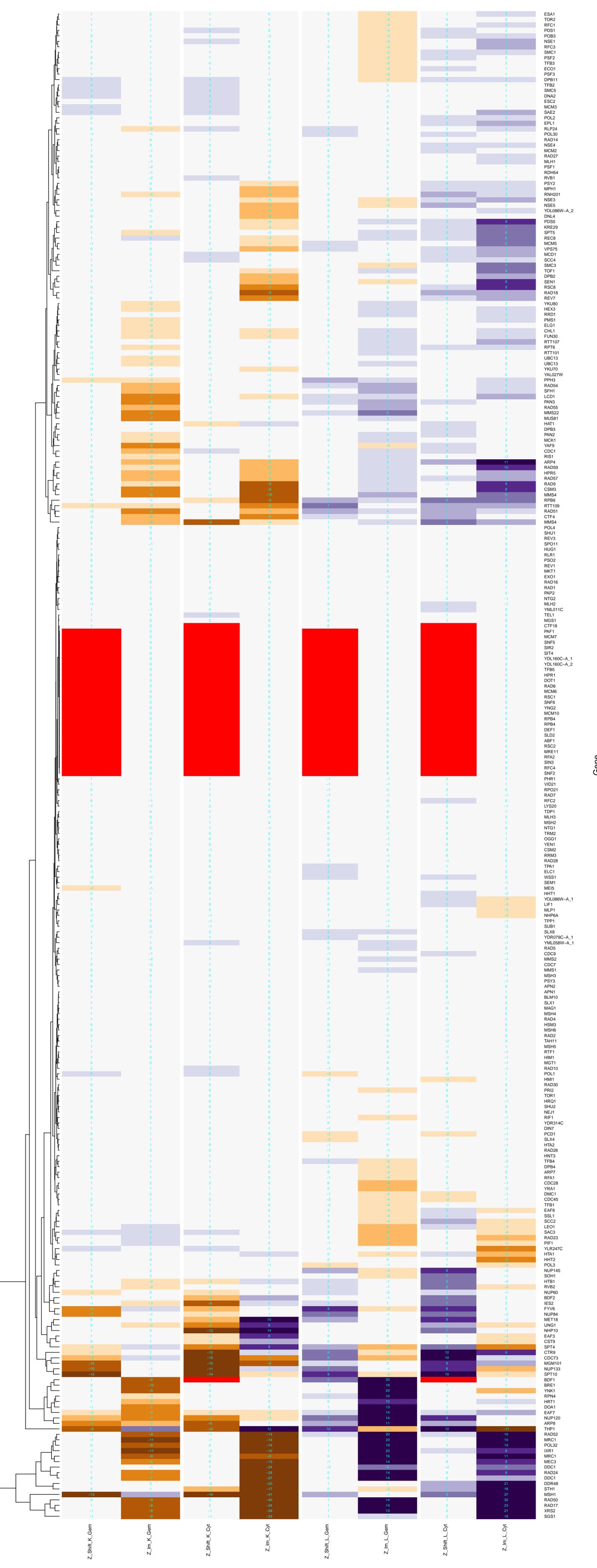
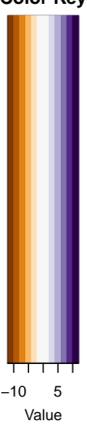
DNA replication, synthesis of RNA primer



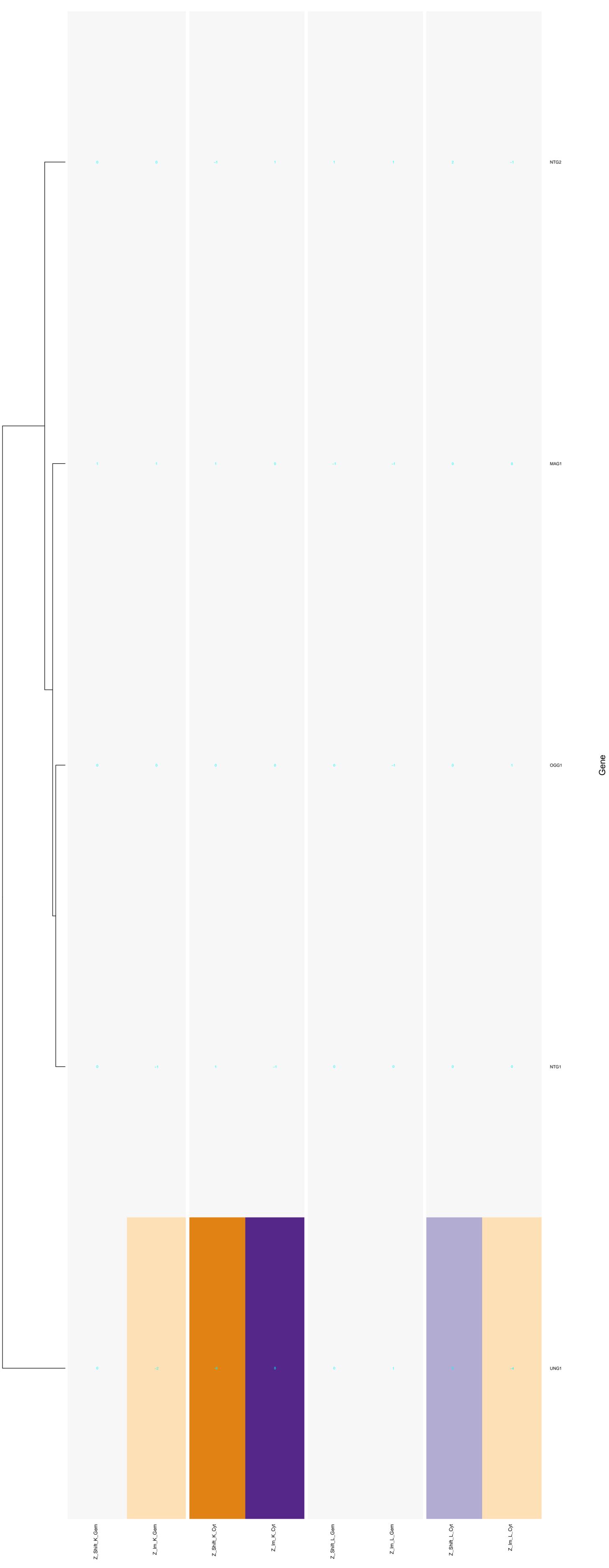
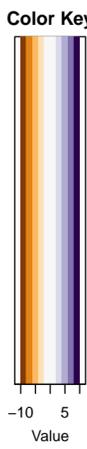
DNA replication initiation



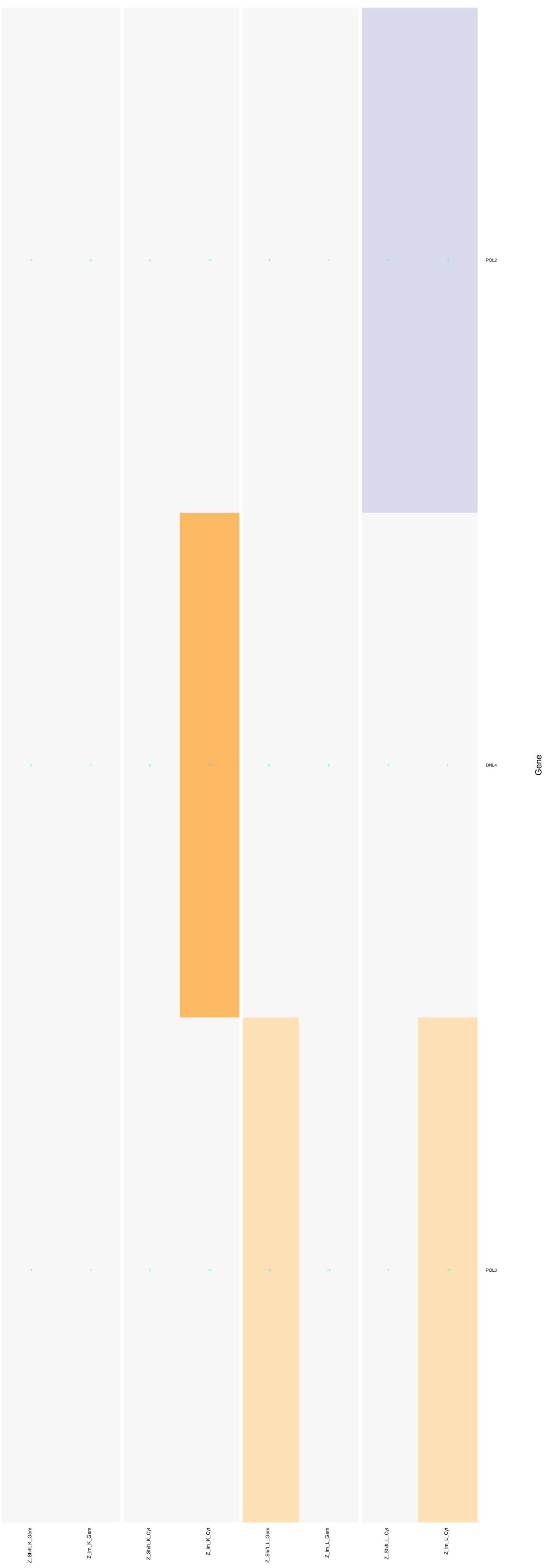
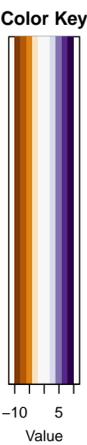
DNA repair



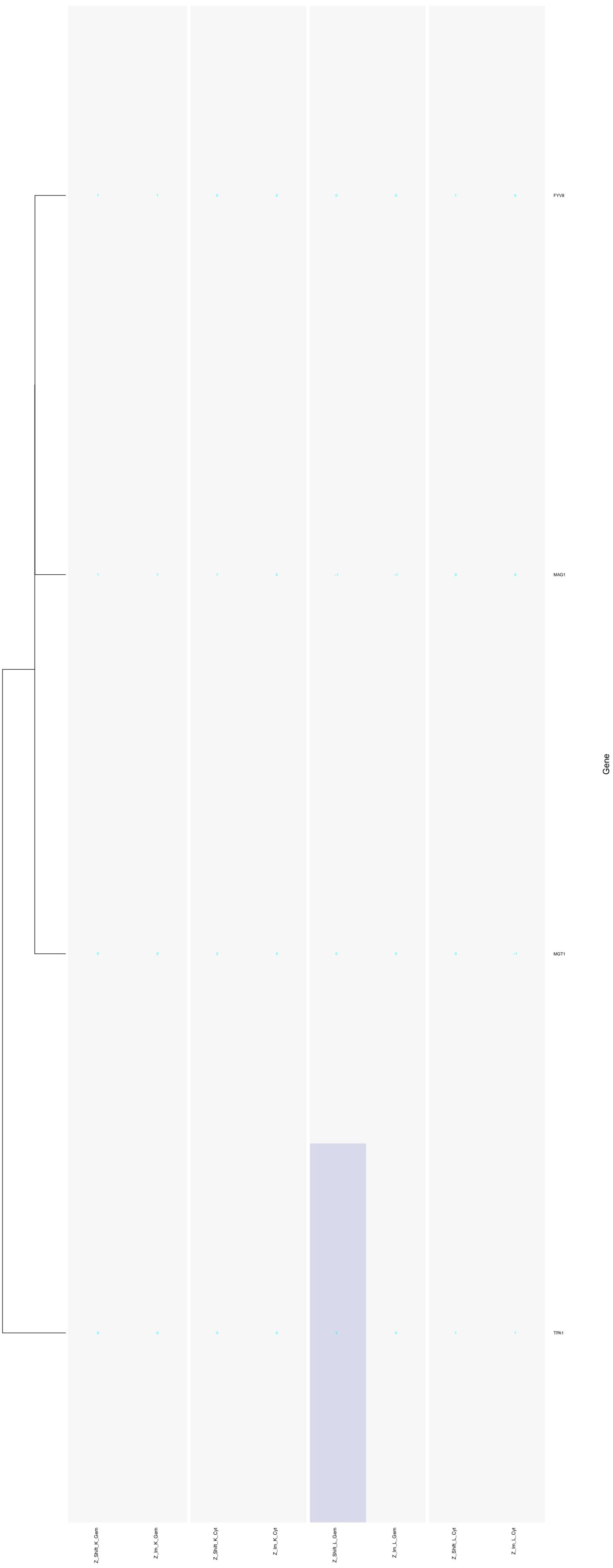
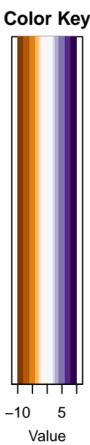
base-excision repair, AP site formation



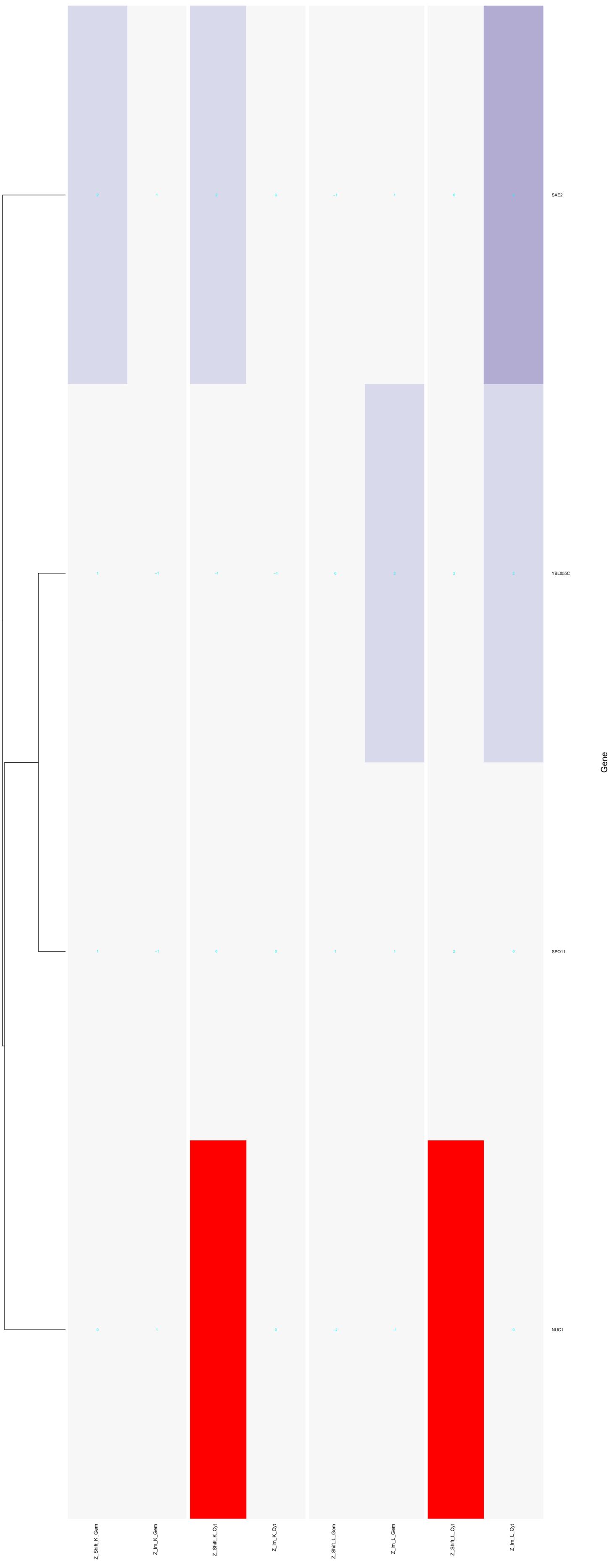
nucleotide-excision repair, DNA gap filling



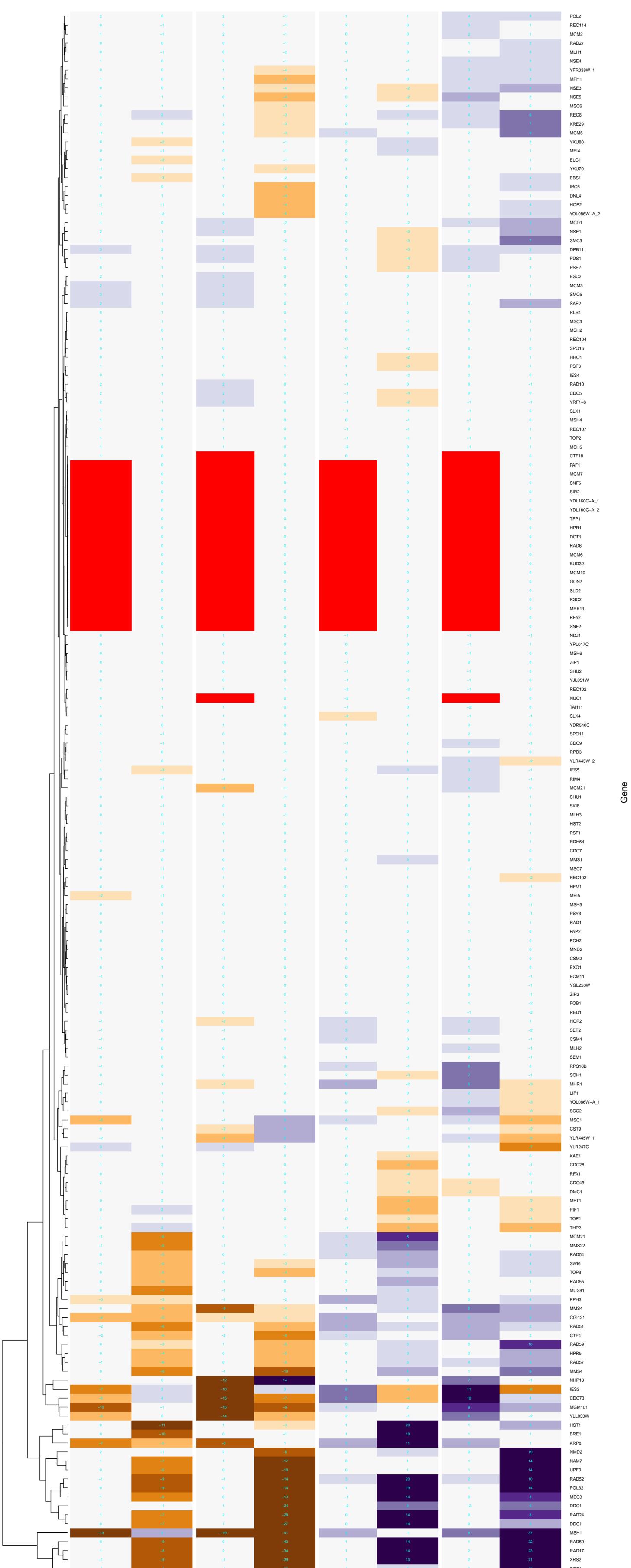
DNA modification



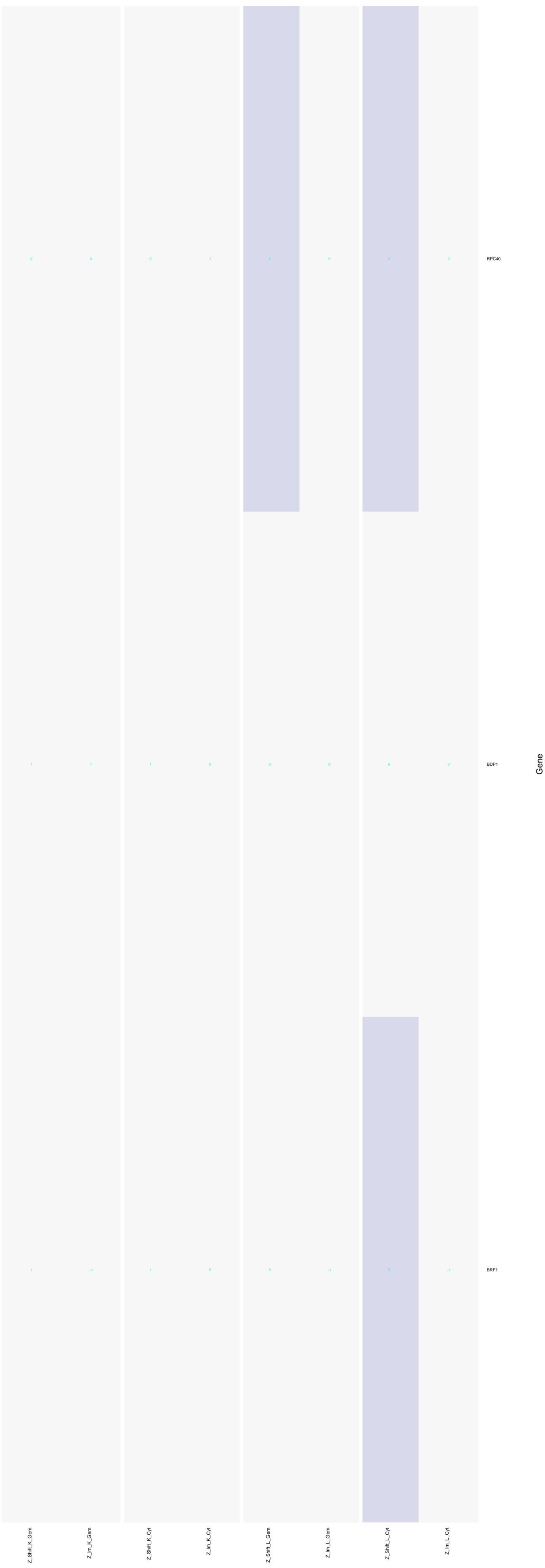
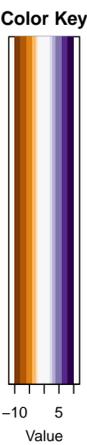
DNA catabolic process



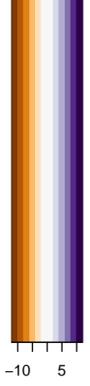
DNA recombination



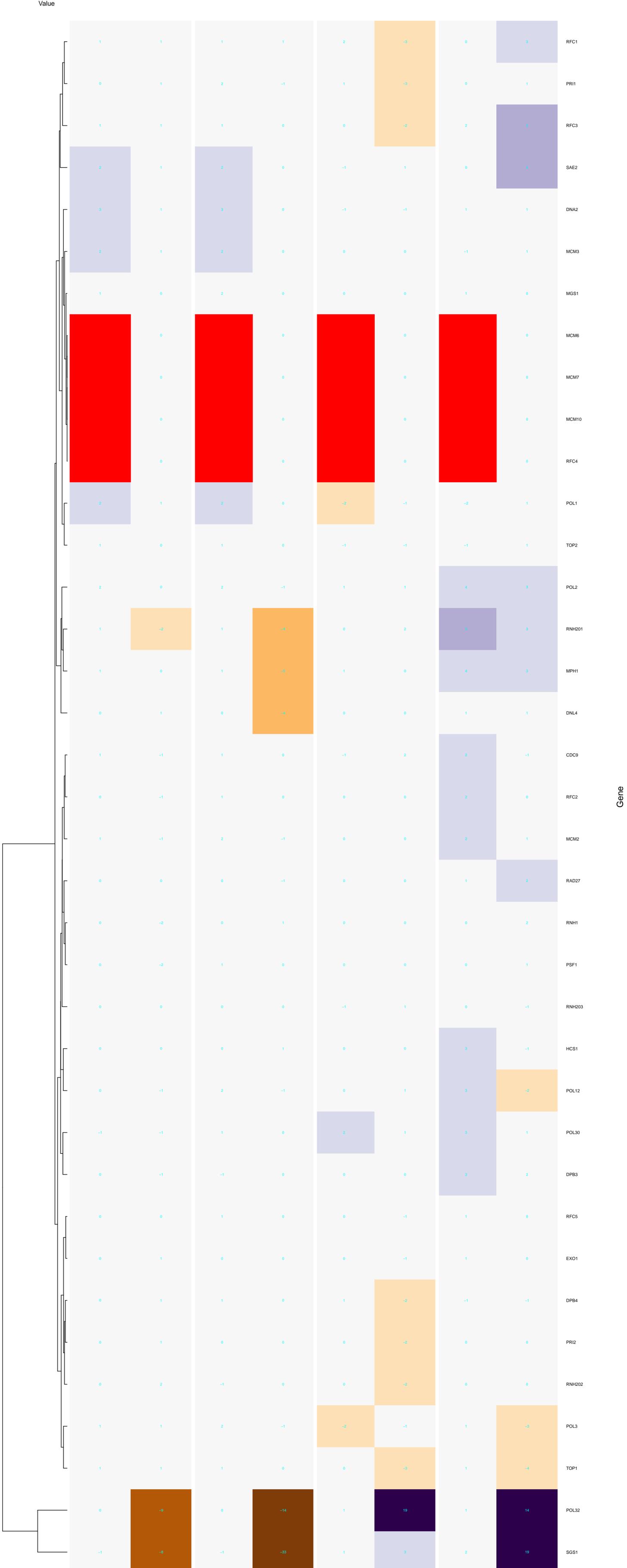
DNA integration



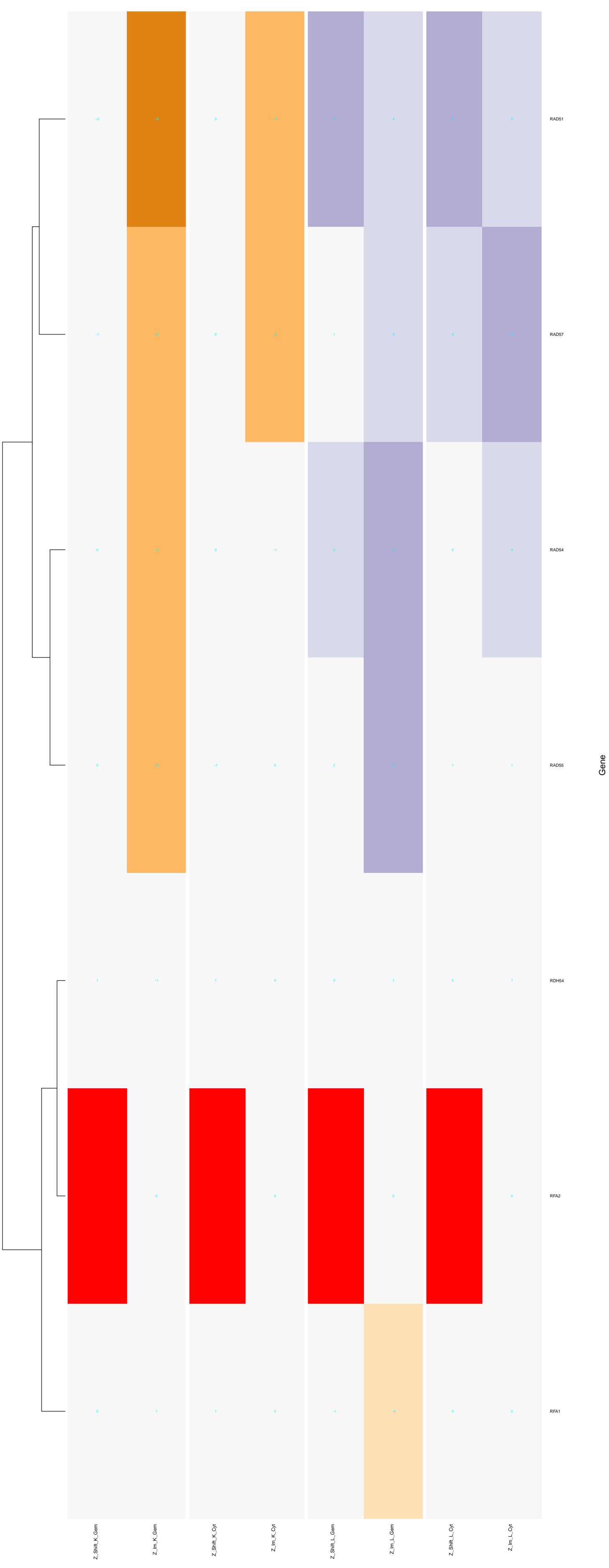
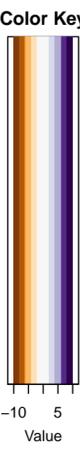
Color Key



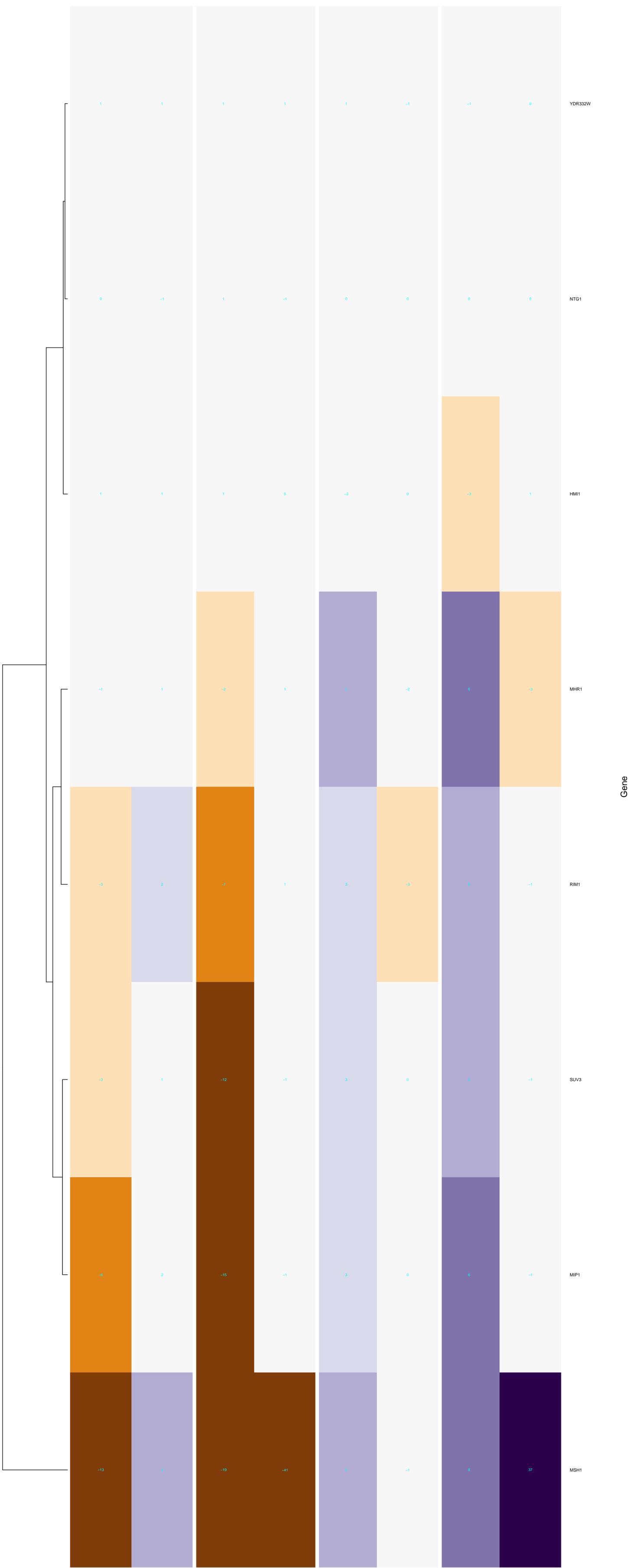
DNA strand elongation



heteroduplex formation

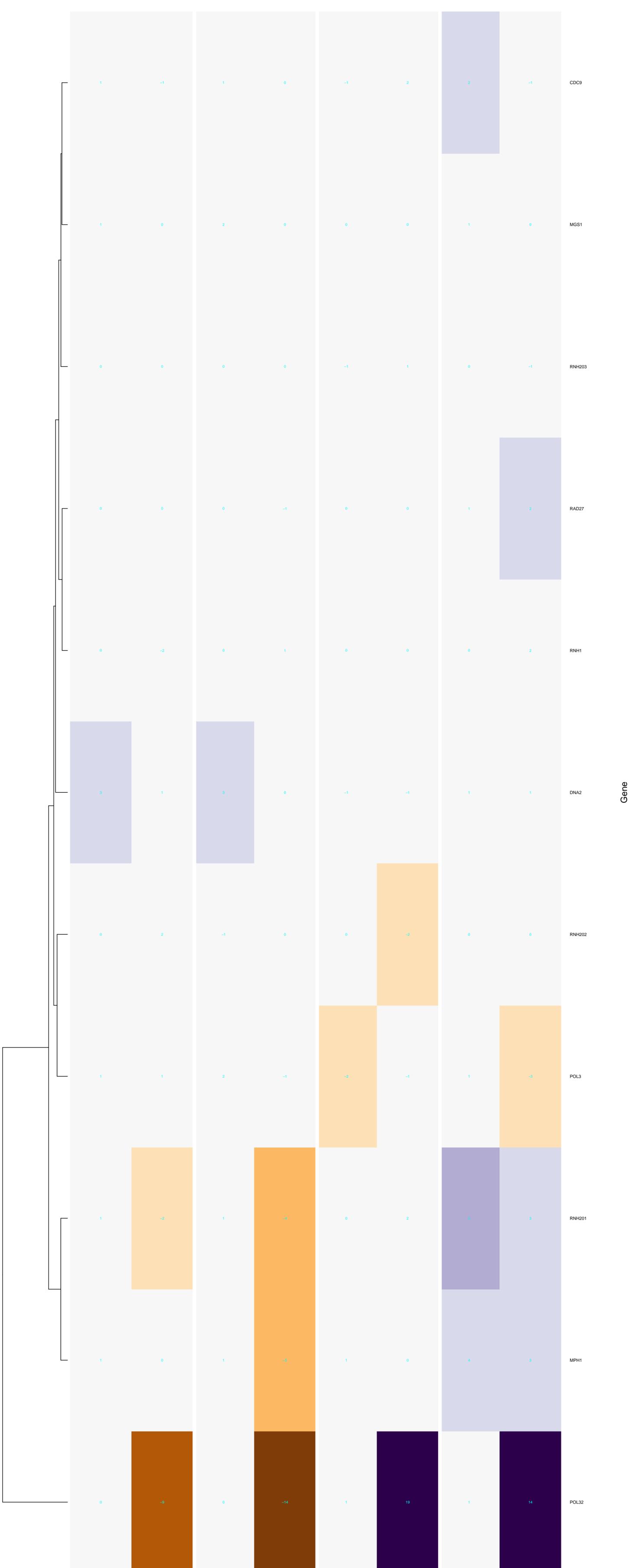


mitochondrial DNA metabolic process

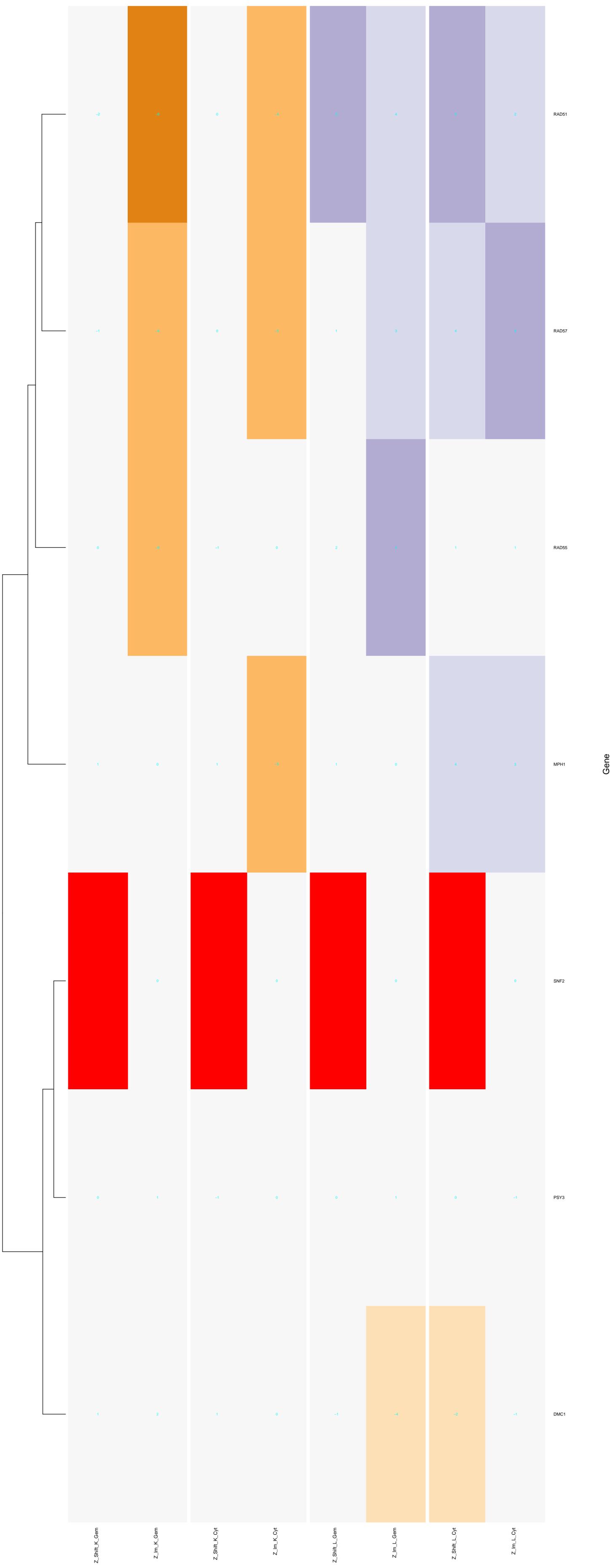
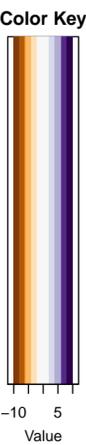




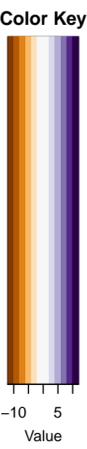
DNA replication, Okazaki fragment processing



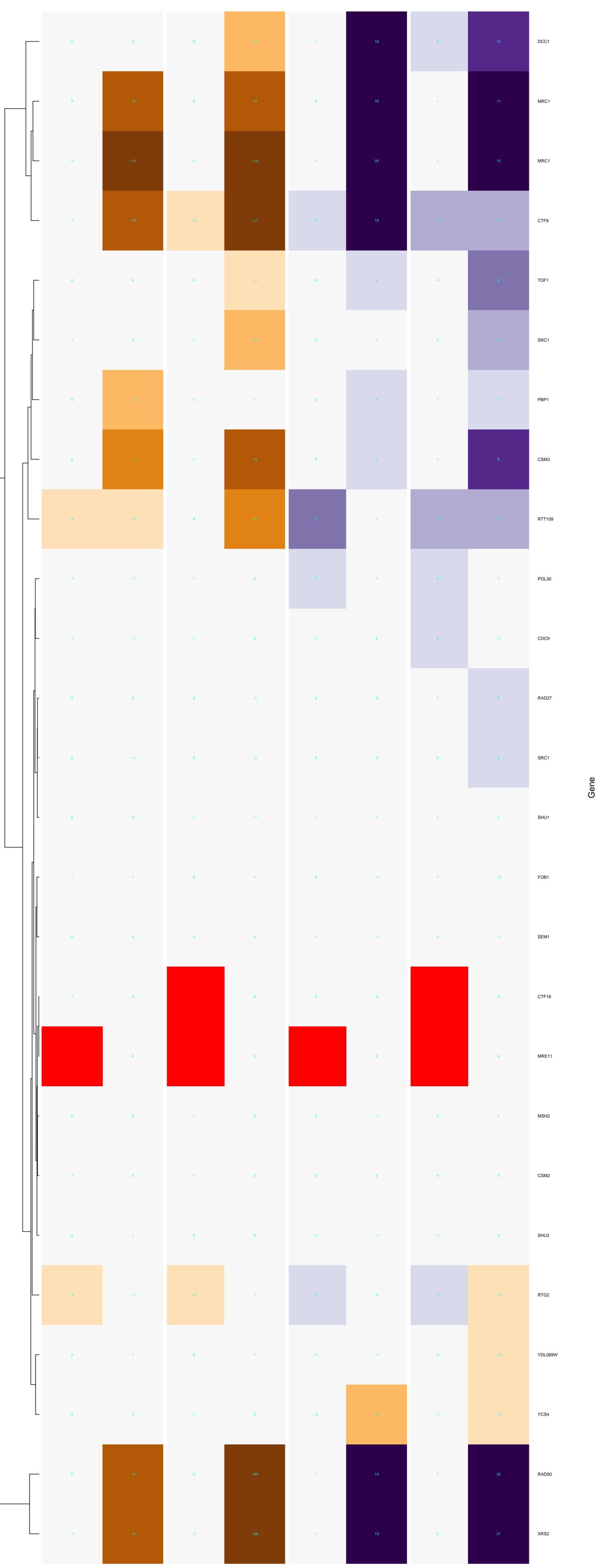
strand invasion



DNA replication, removal of RNA primer

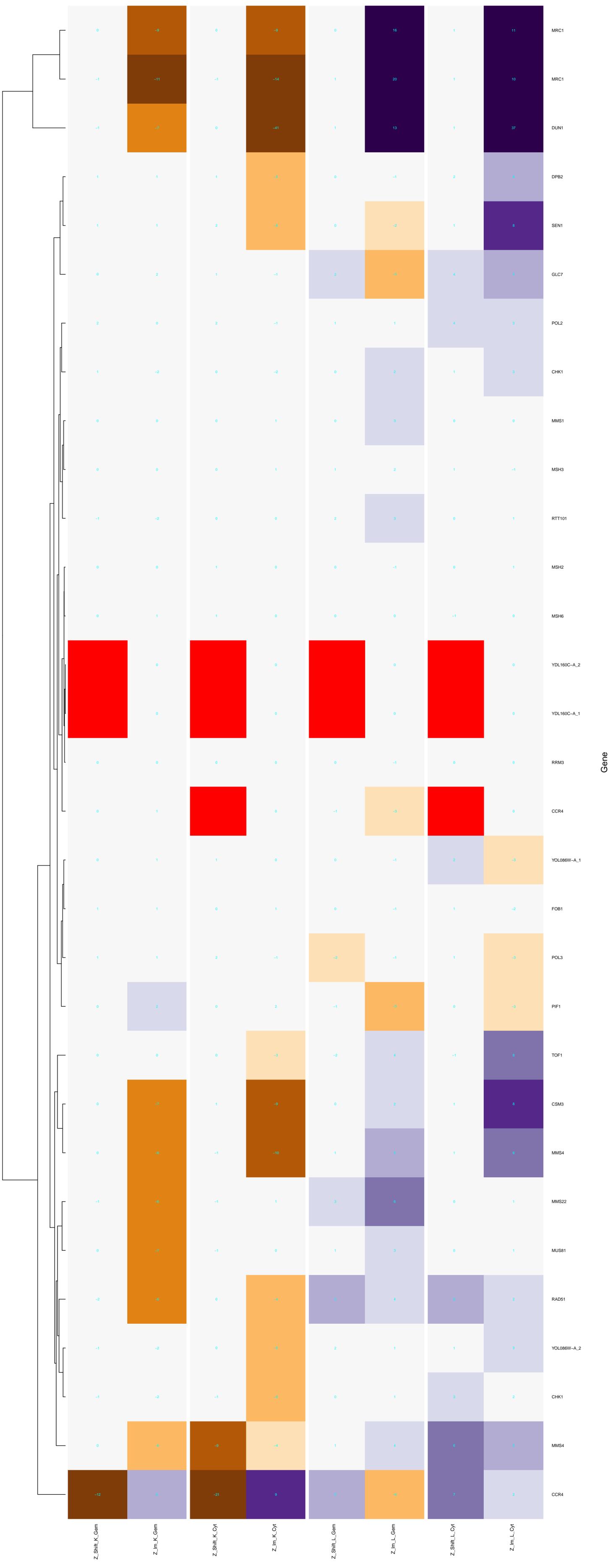
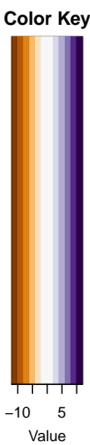


maintenance of DNA repeat elements

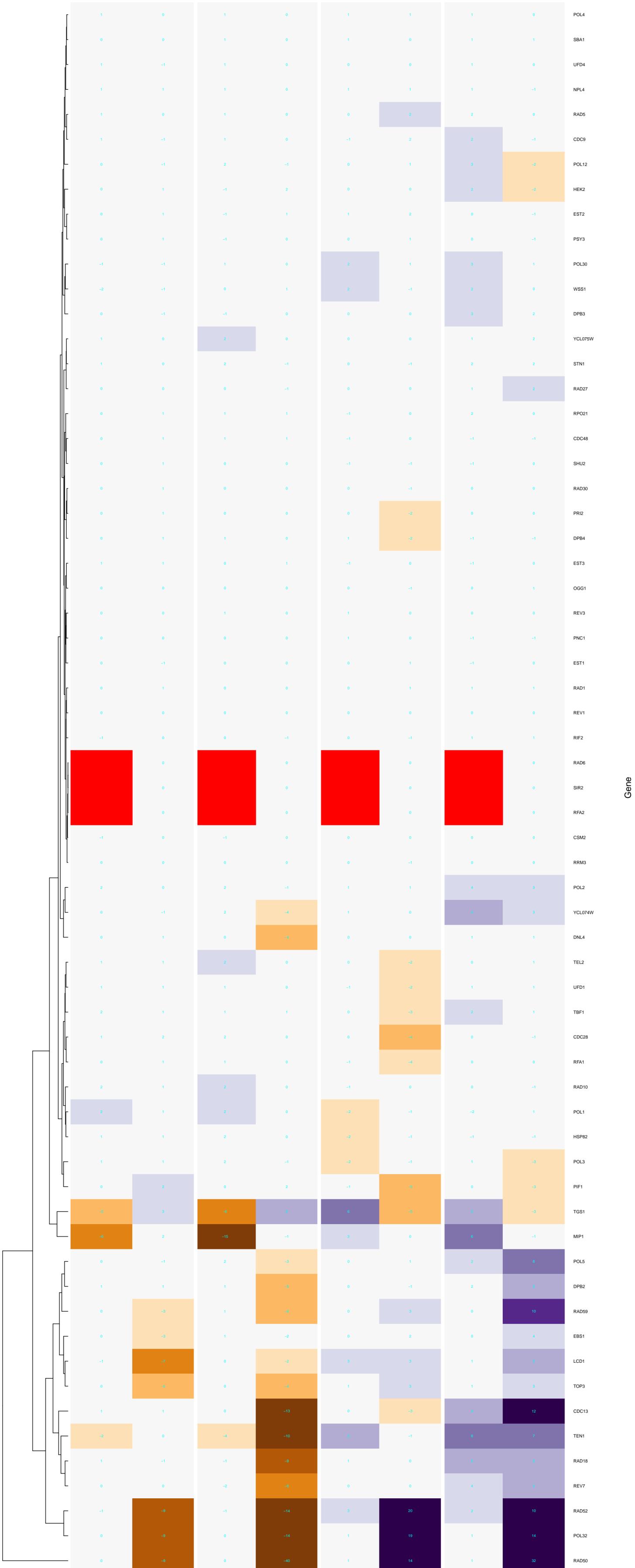
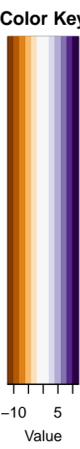


Gene

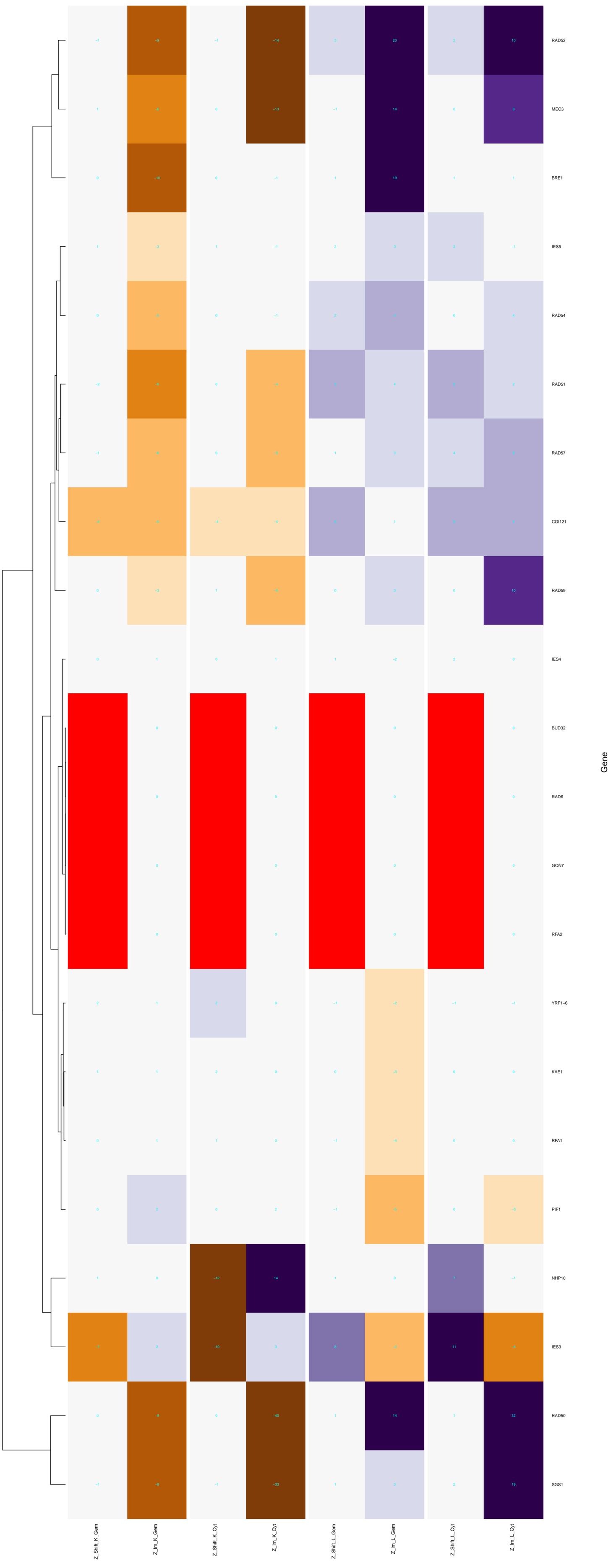
DNA-dependent DNA replication maintenance of fidelity



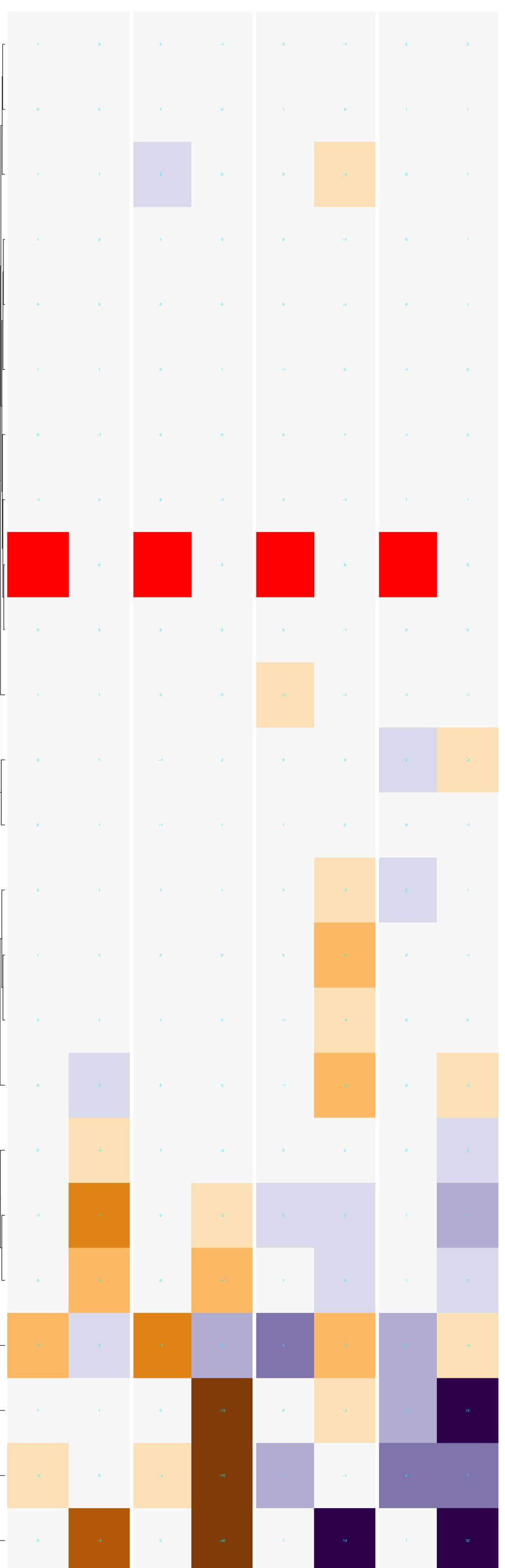
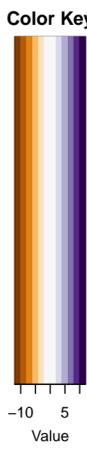
DNA biosynthetic process



telomere maintenance via recombination

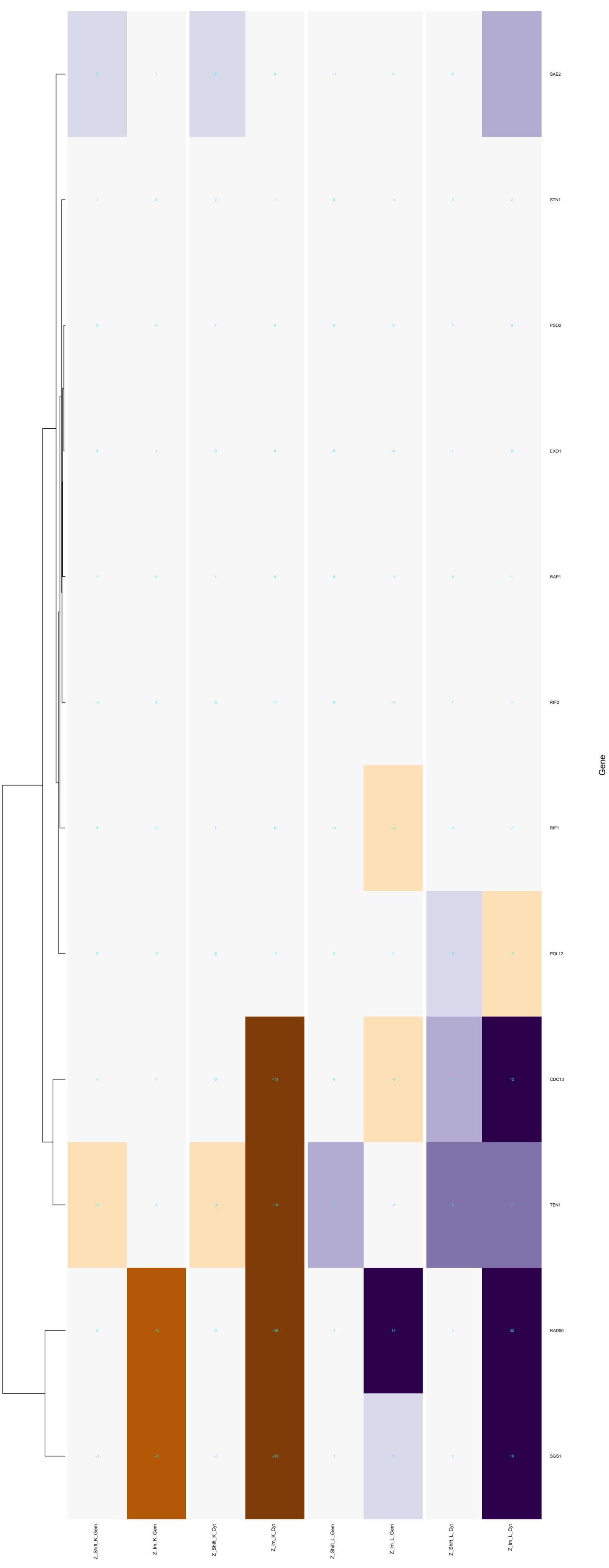


telomere maintenance via telomere lengthening

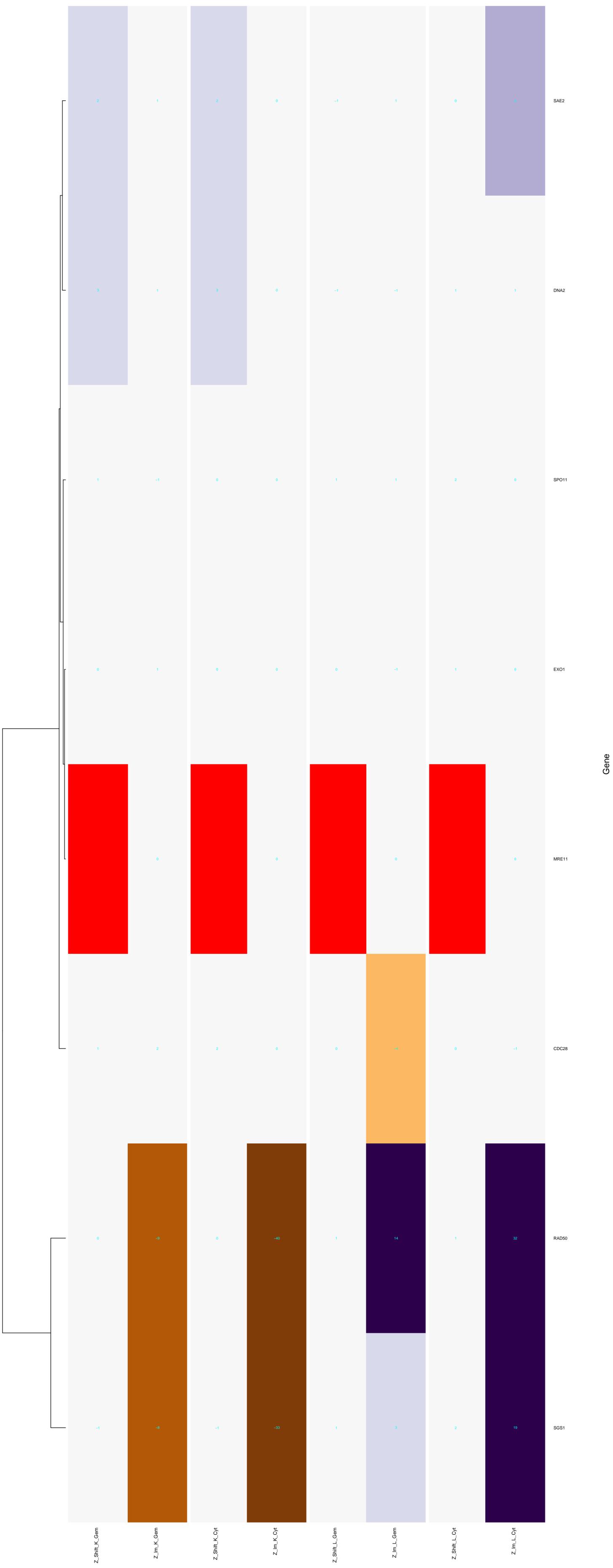
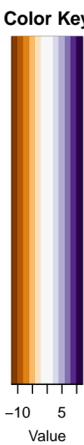


Gene

telomere capping

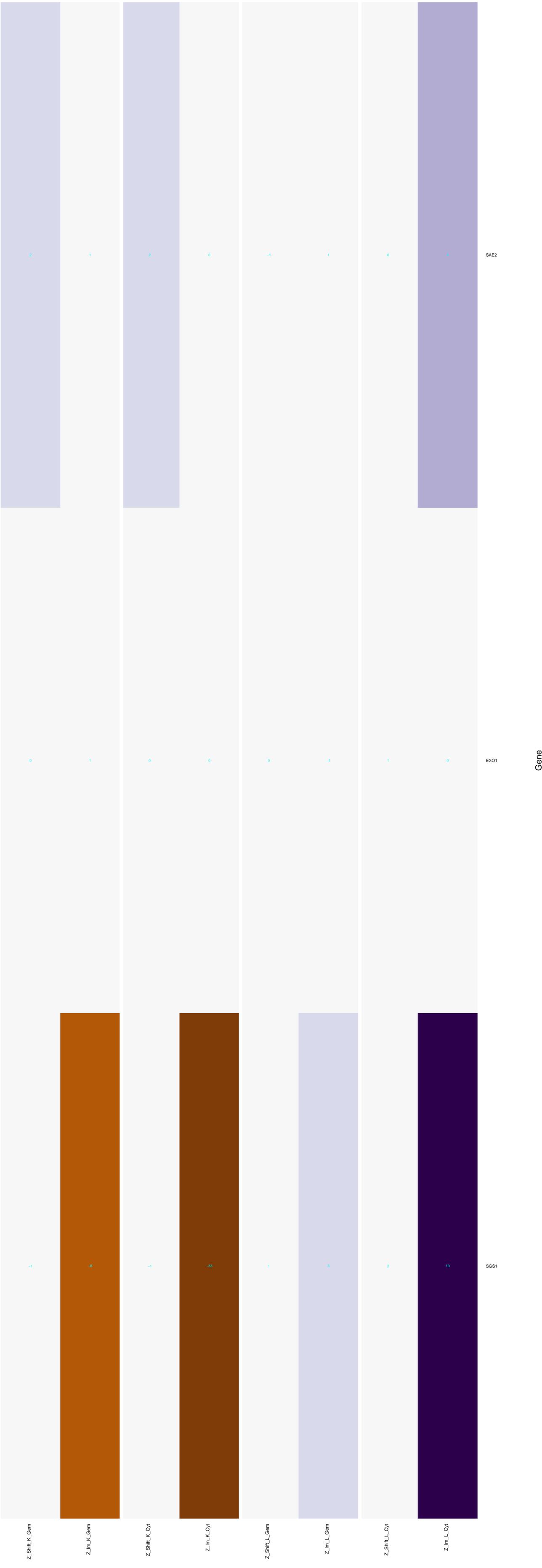


meiotic DNA double-strand break processing

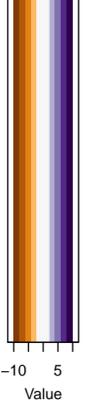




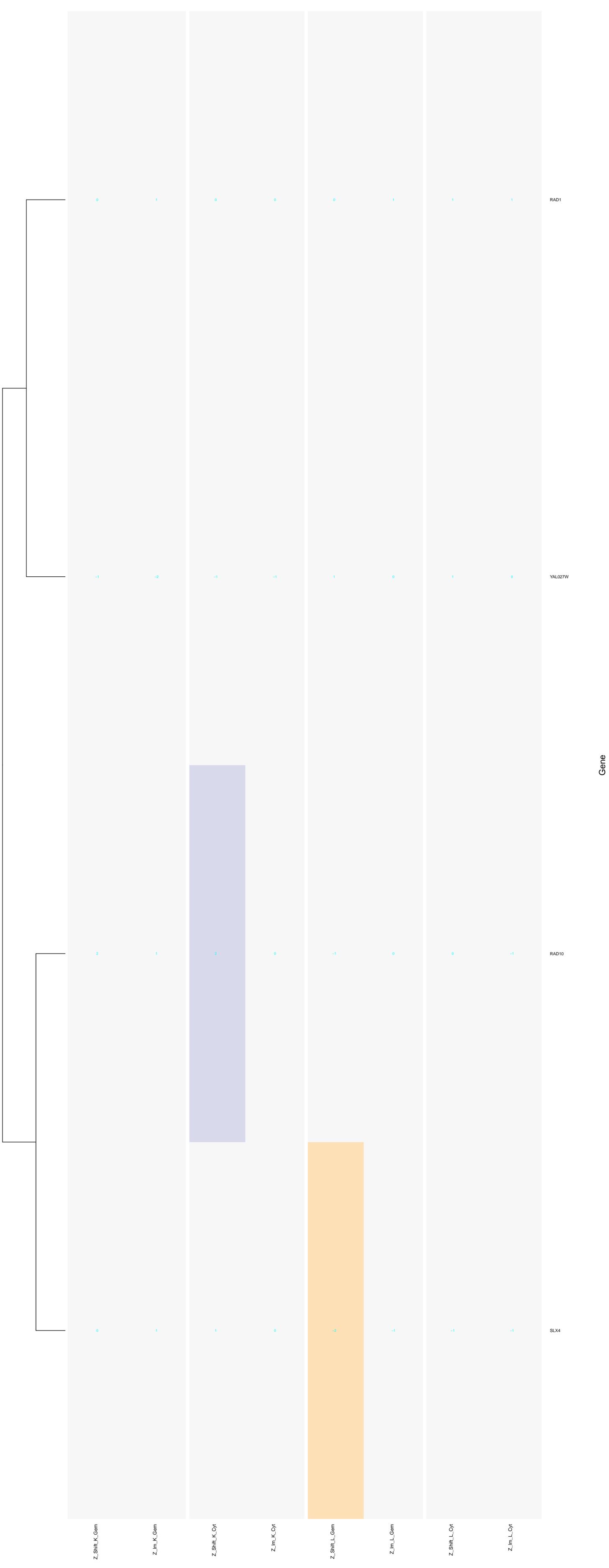
gene conversion at mating-type locus, DNA double-strand break processing



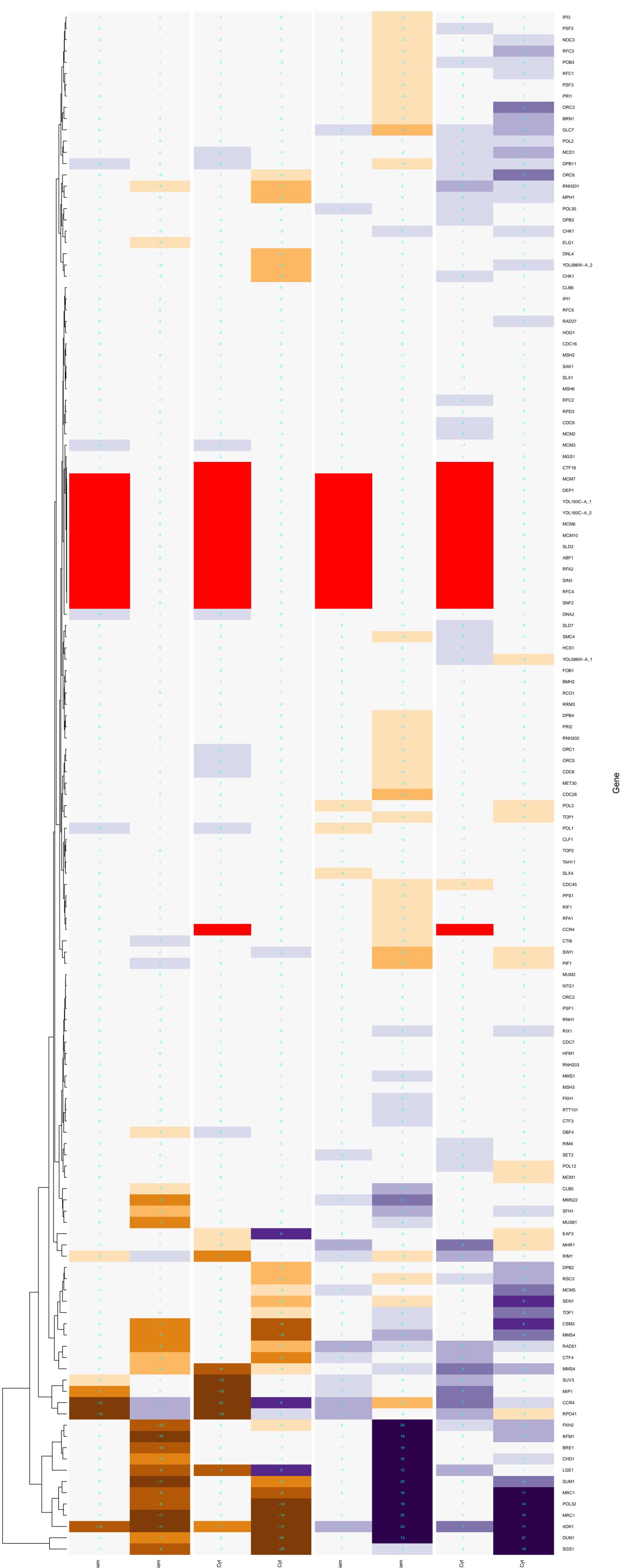
Color Key



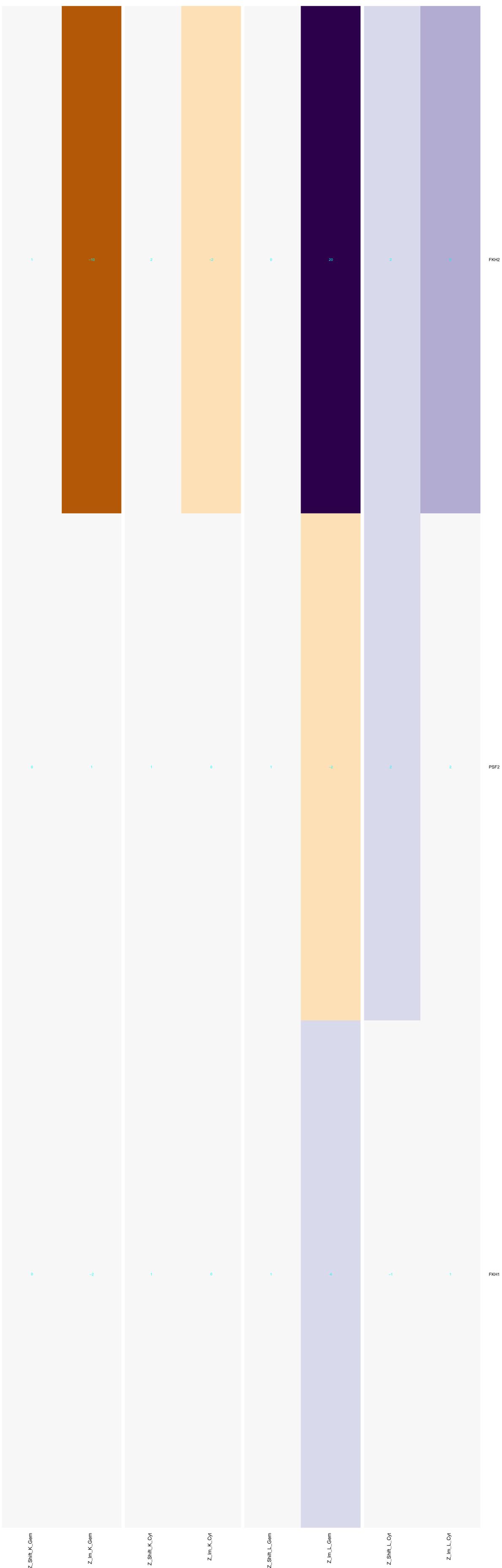
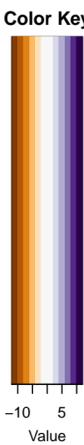
e-strand break repair via single-strand annealing, removal of nonhomologous ends



DNA-dependent DNA replication

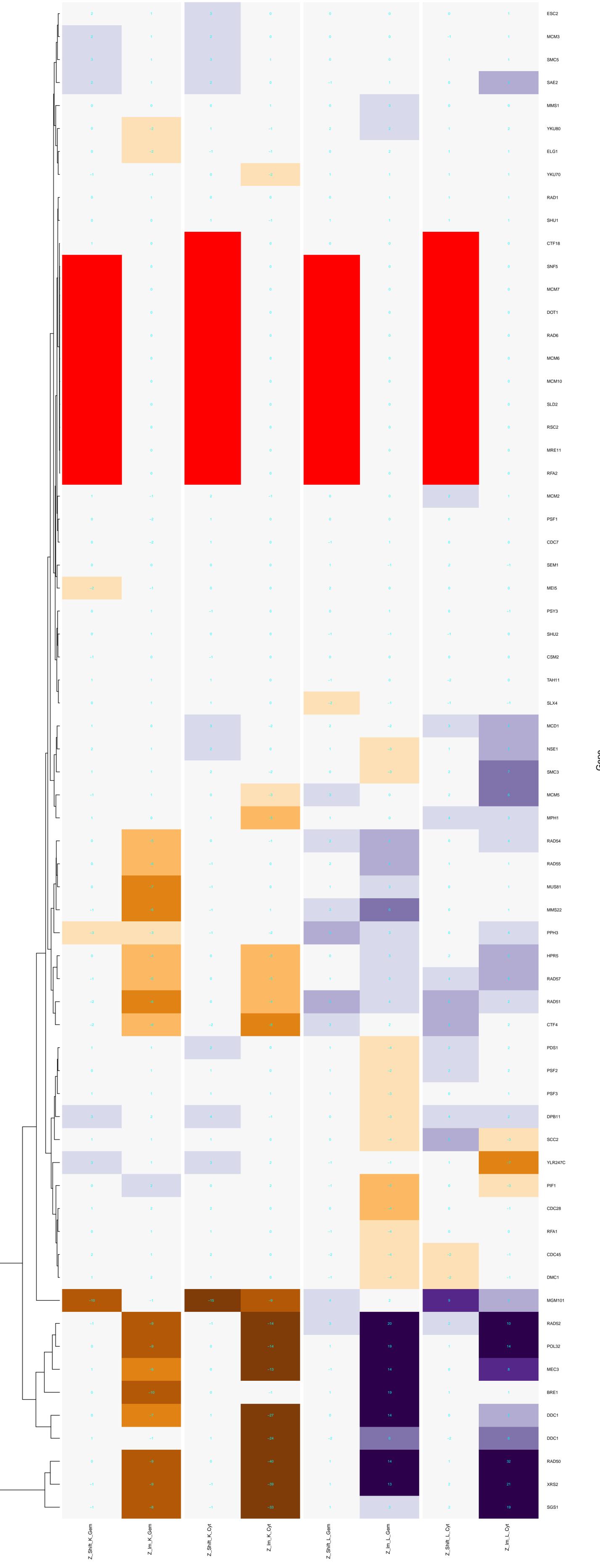
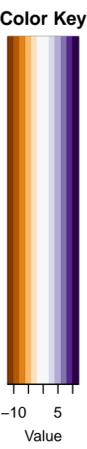


cell cycle DNA replication initiation



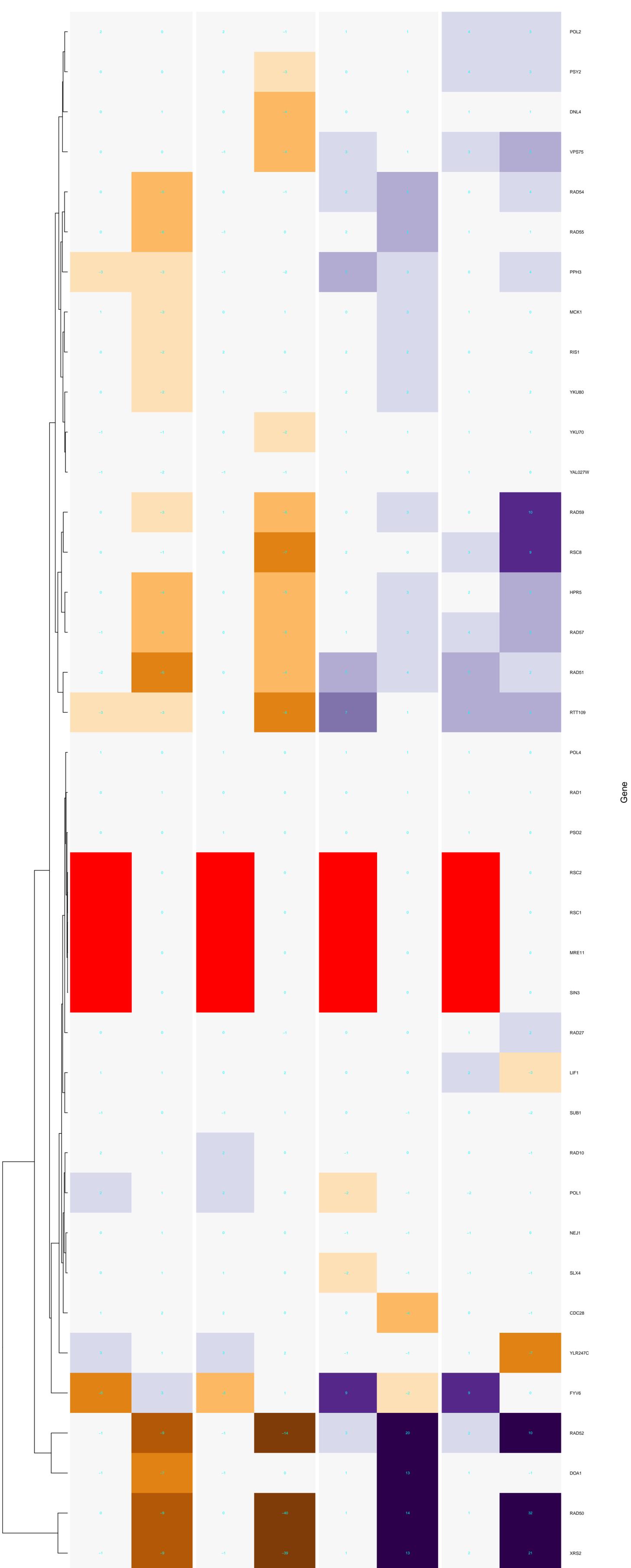
Gene

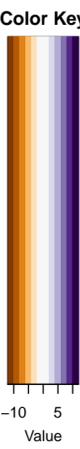
recombinational repair



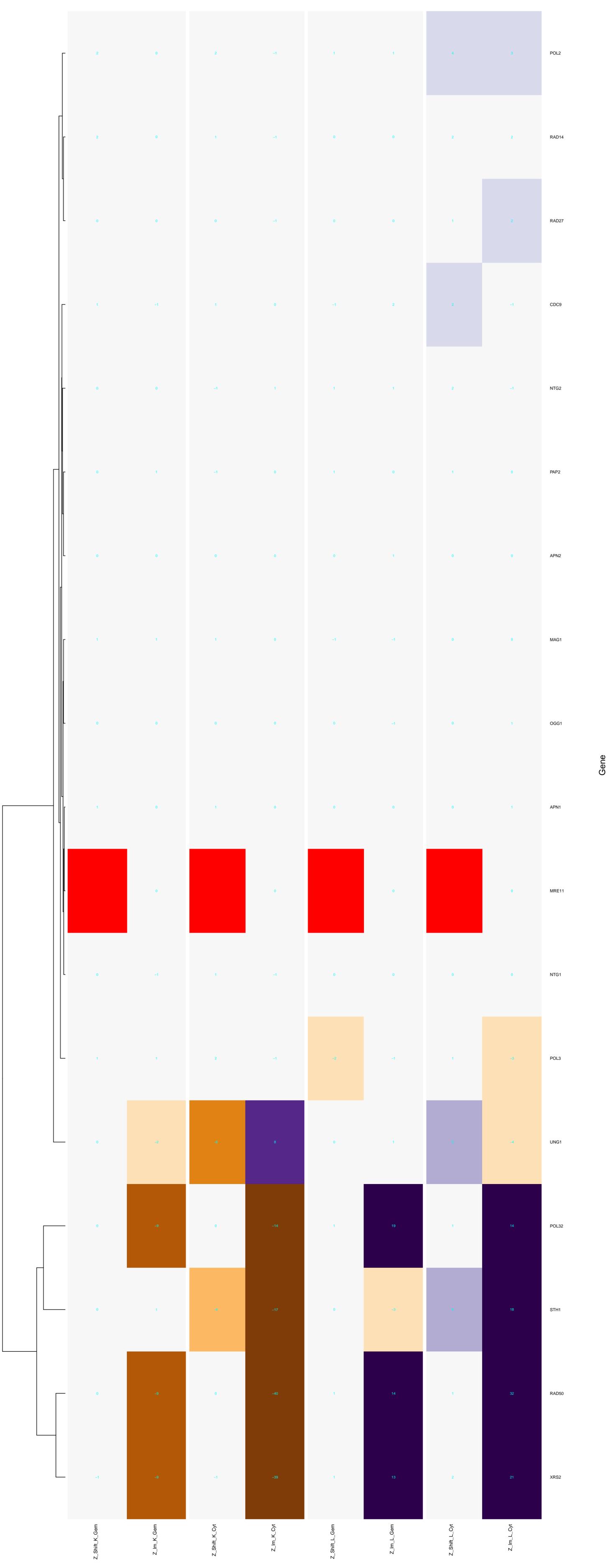
Gene

non-recombinational repair

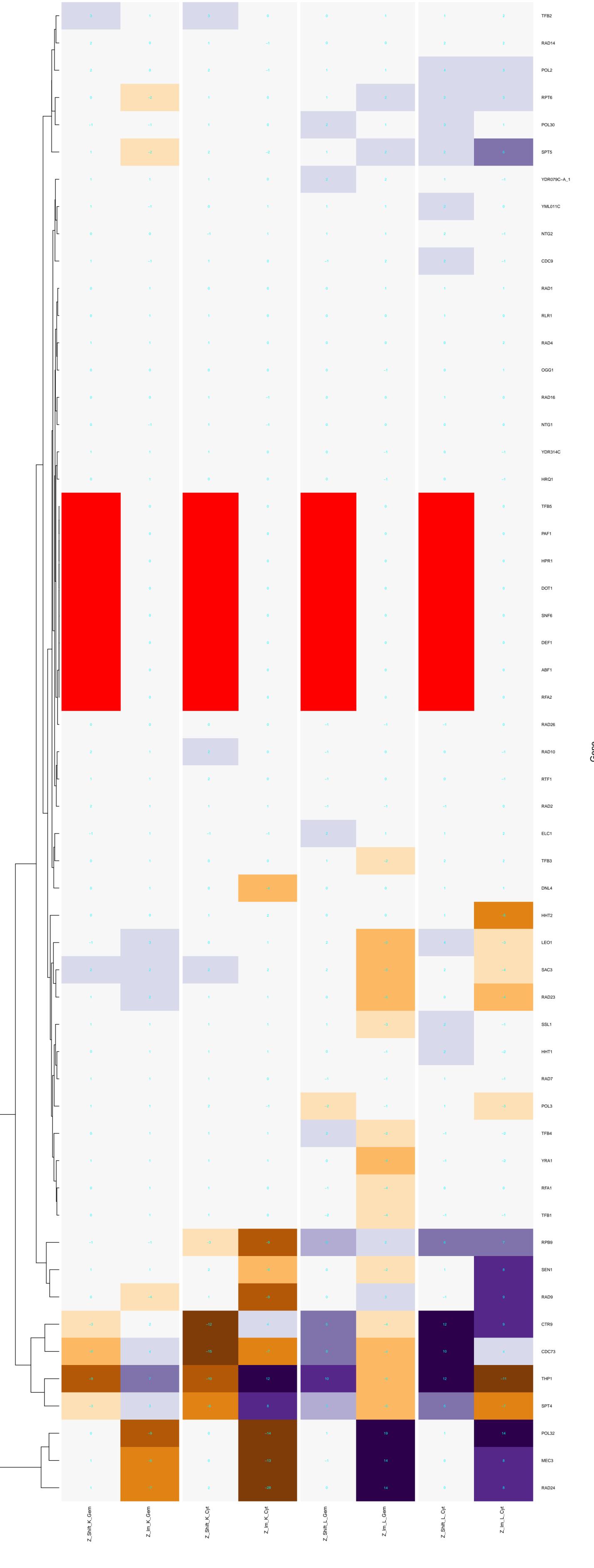




base-excision repair

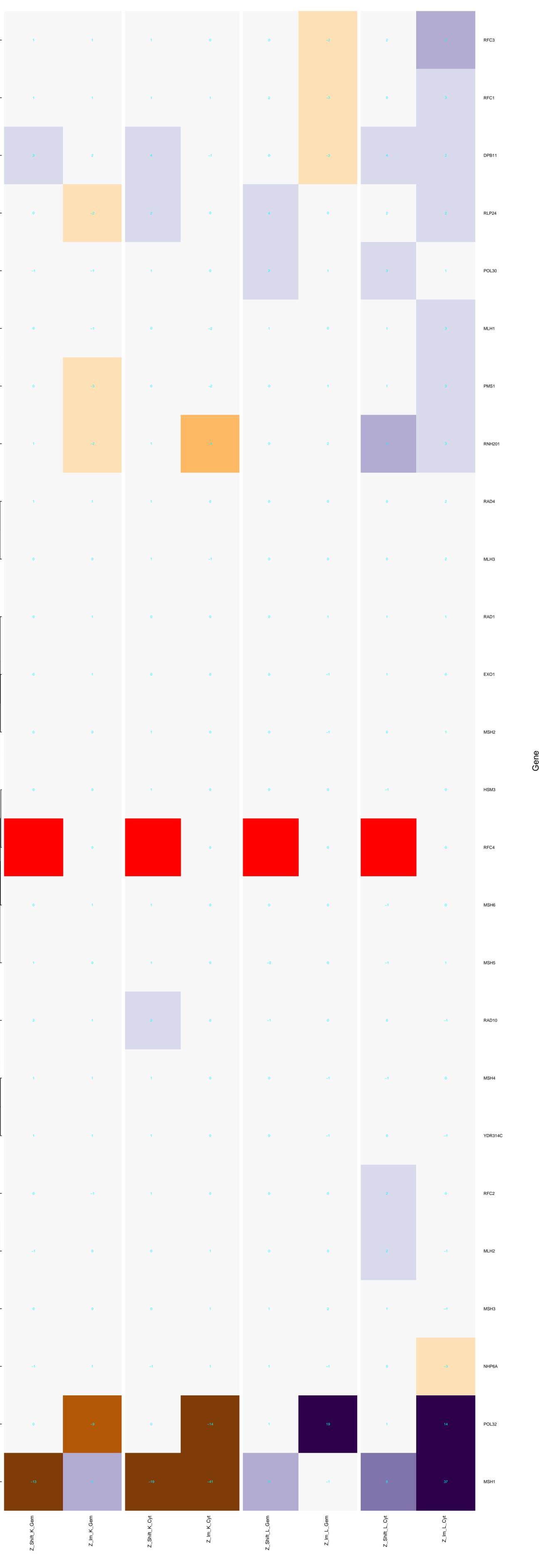


nucleotide-excision repair



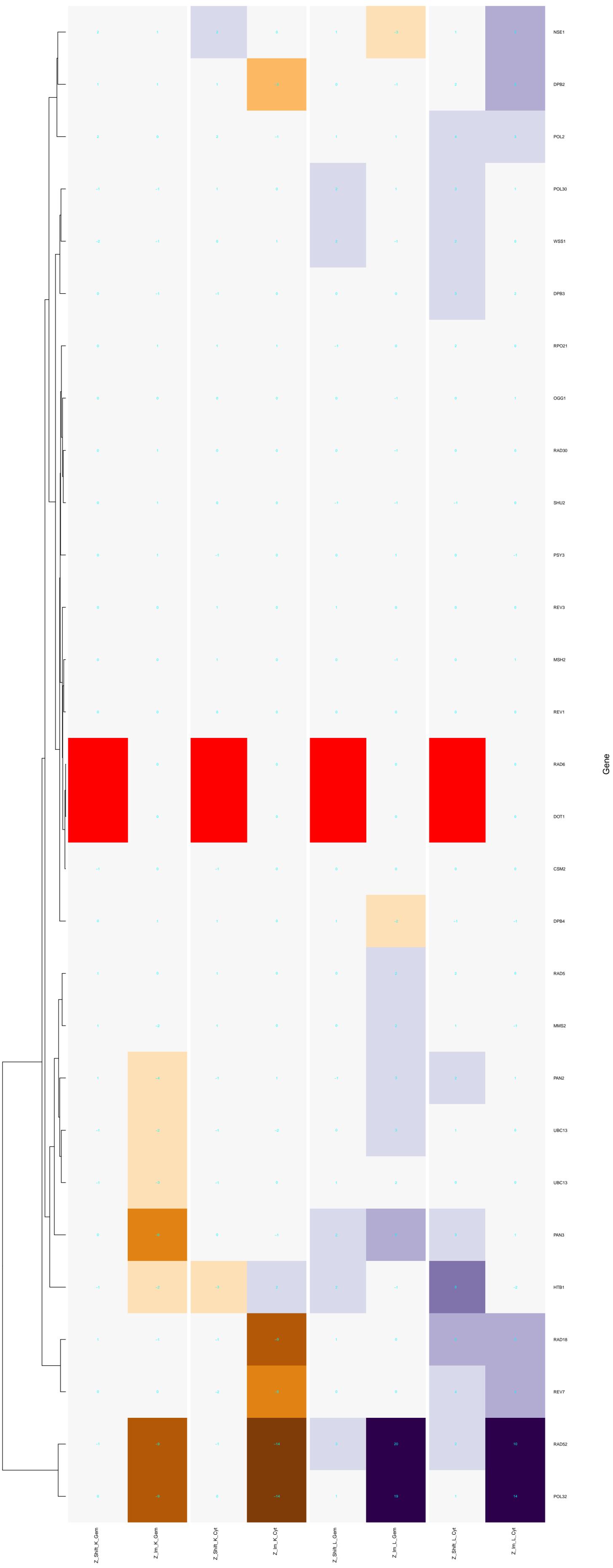
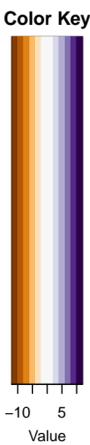
Gene

mismatch repair



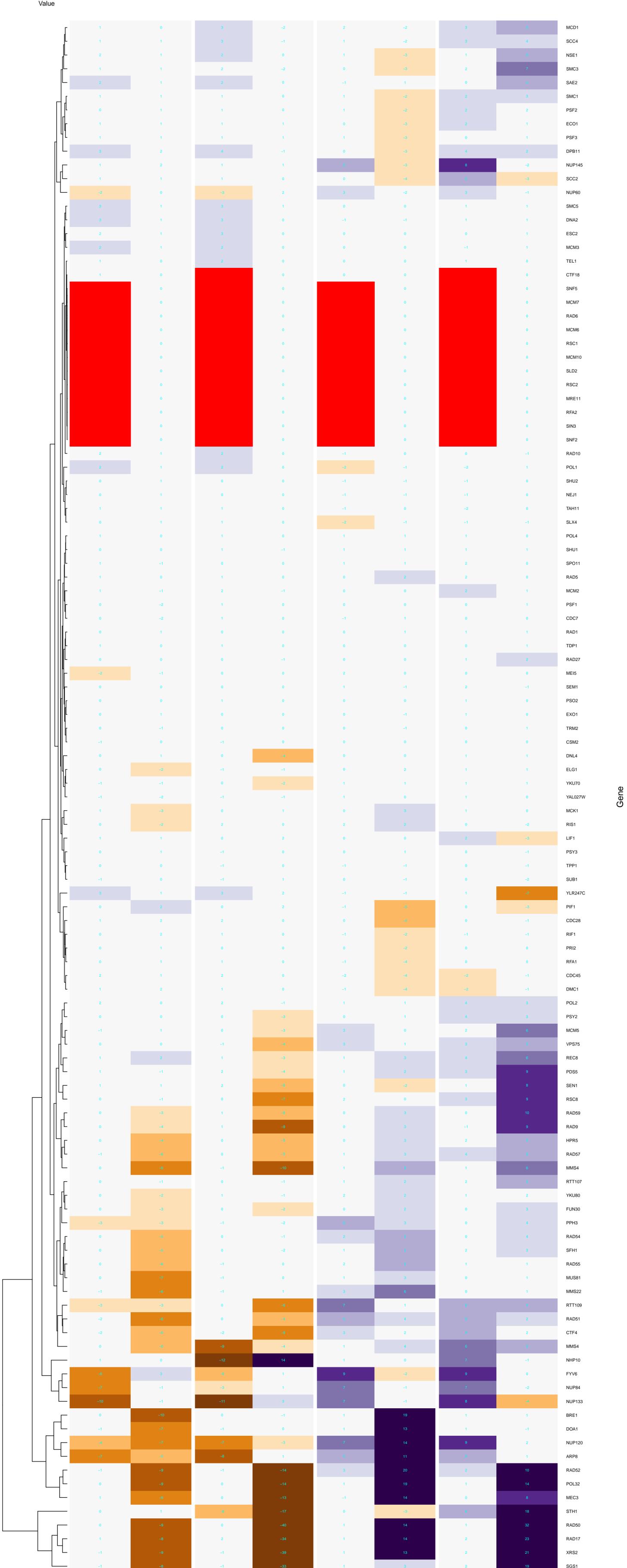
Gene

postreplication repair

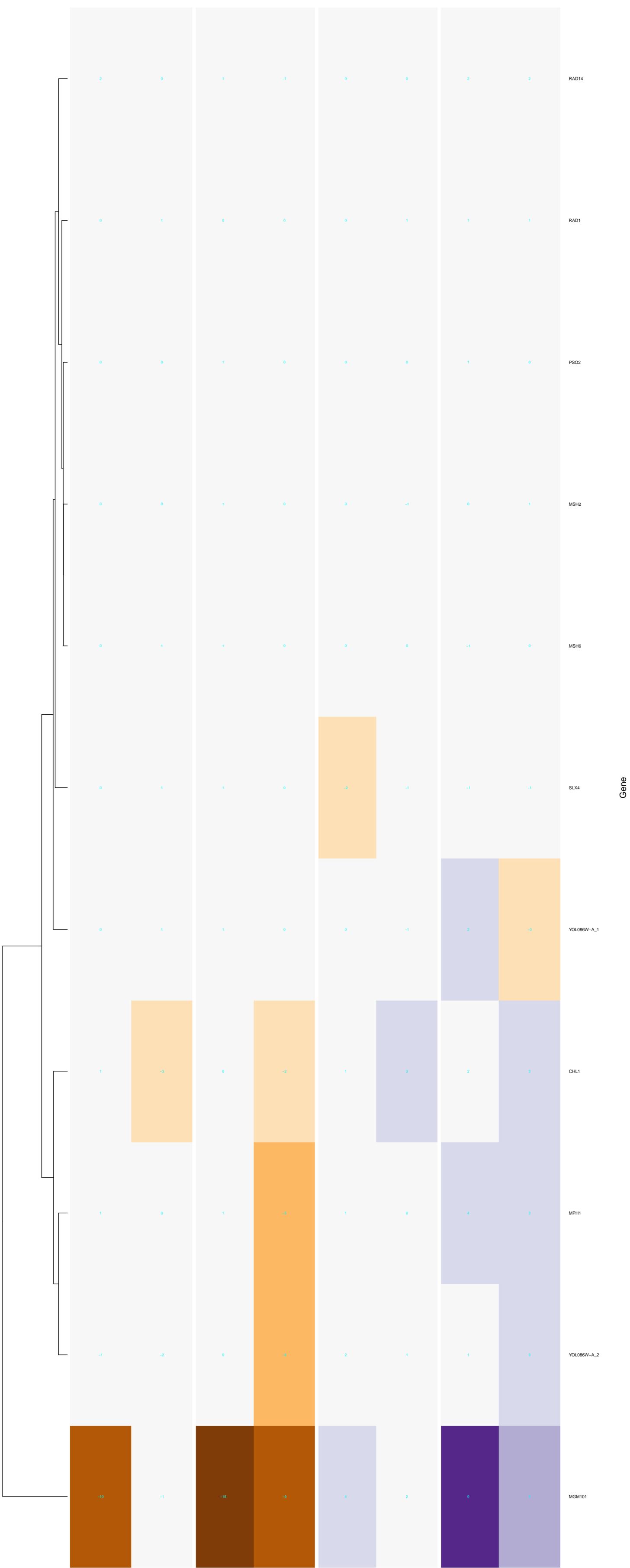
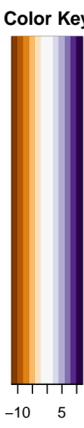




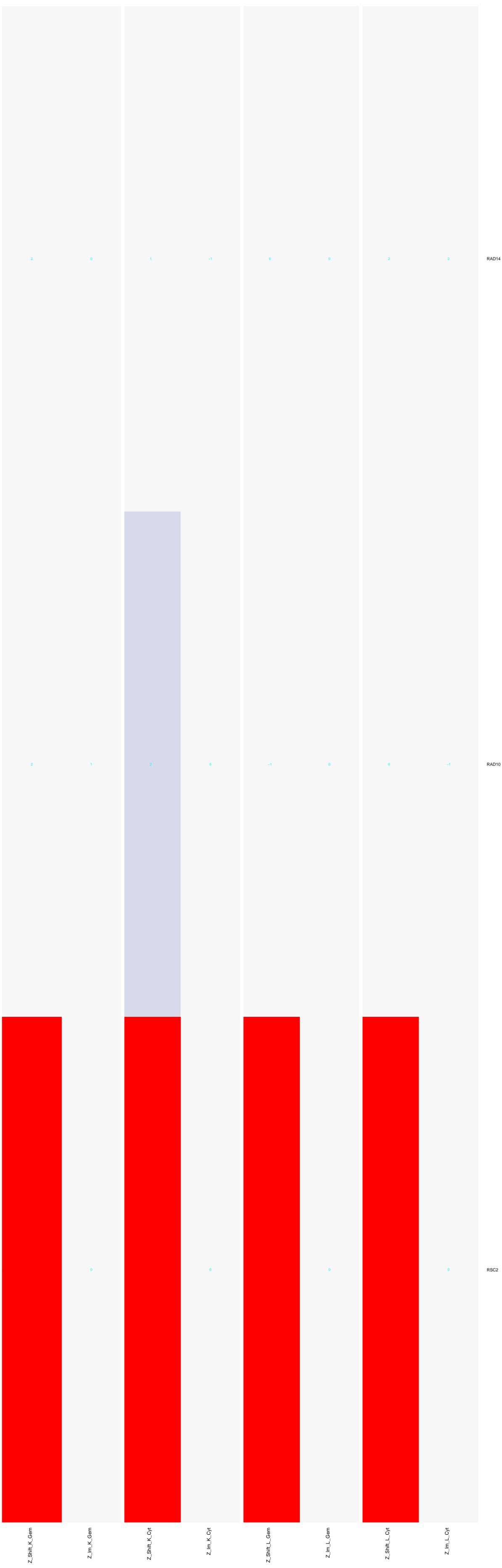
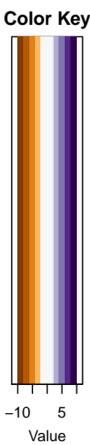
double-strand break repair



interstrand cross-link repair

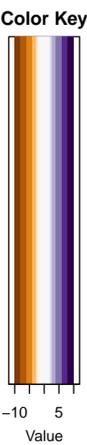


UV-damage excision repair

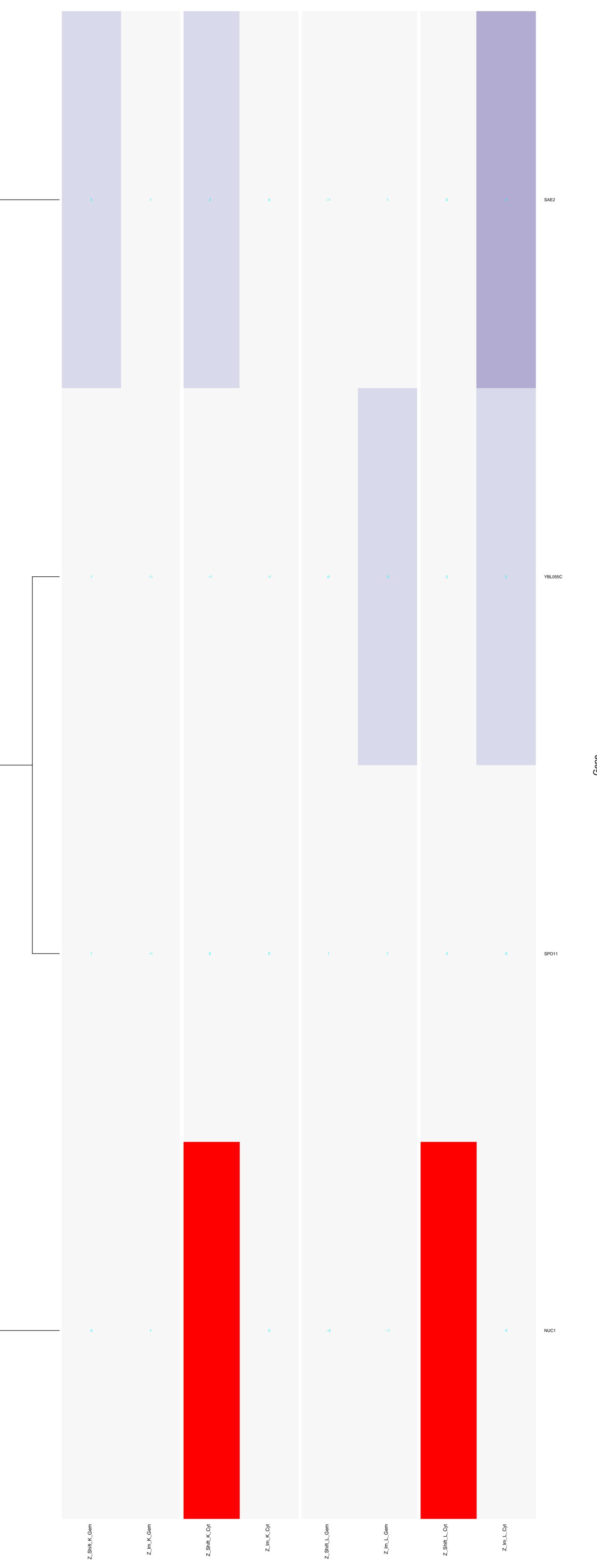
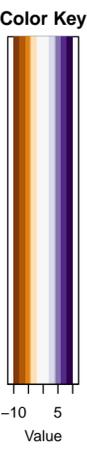


Gene

DNA dealkylation

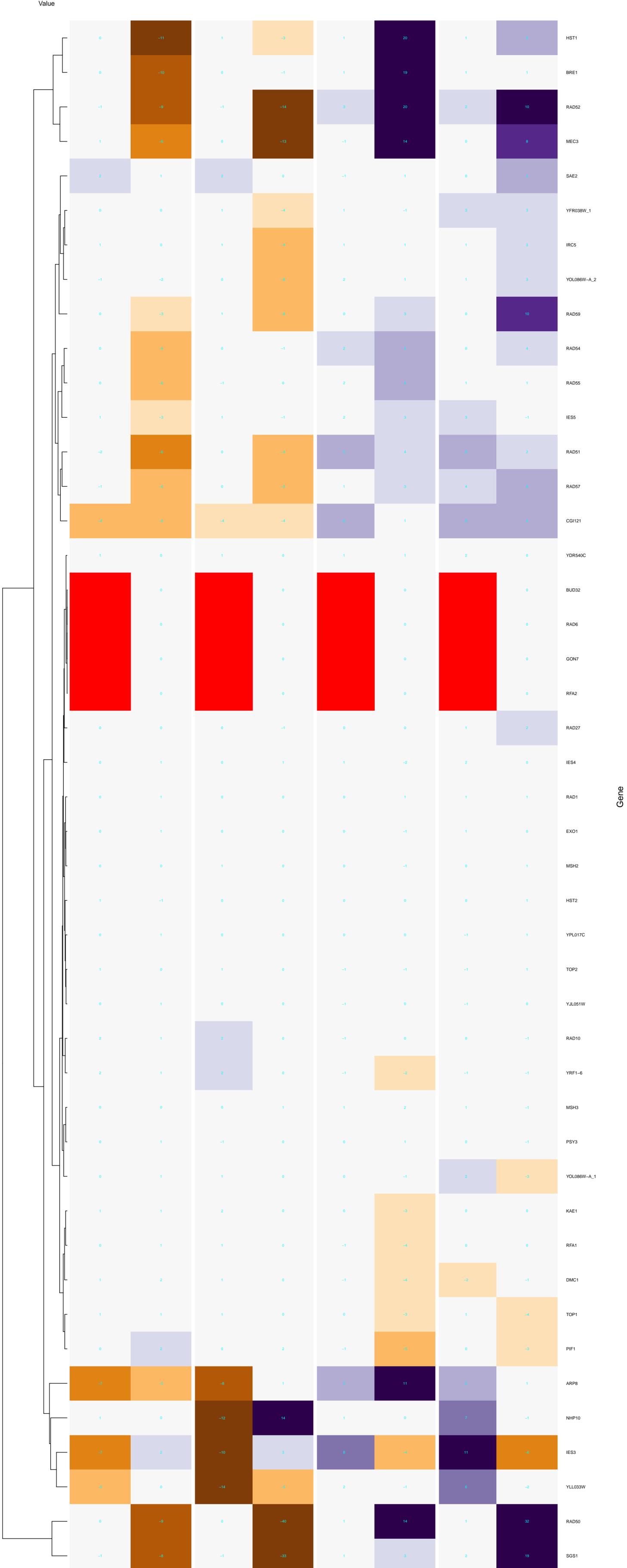


DNA catabolic process, endonucleolytic

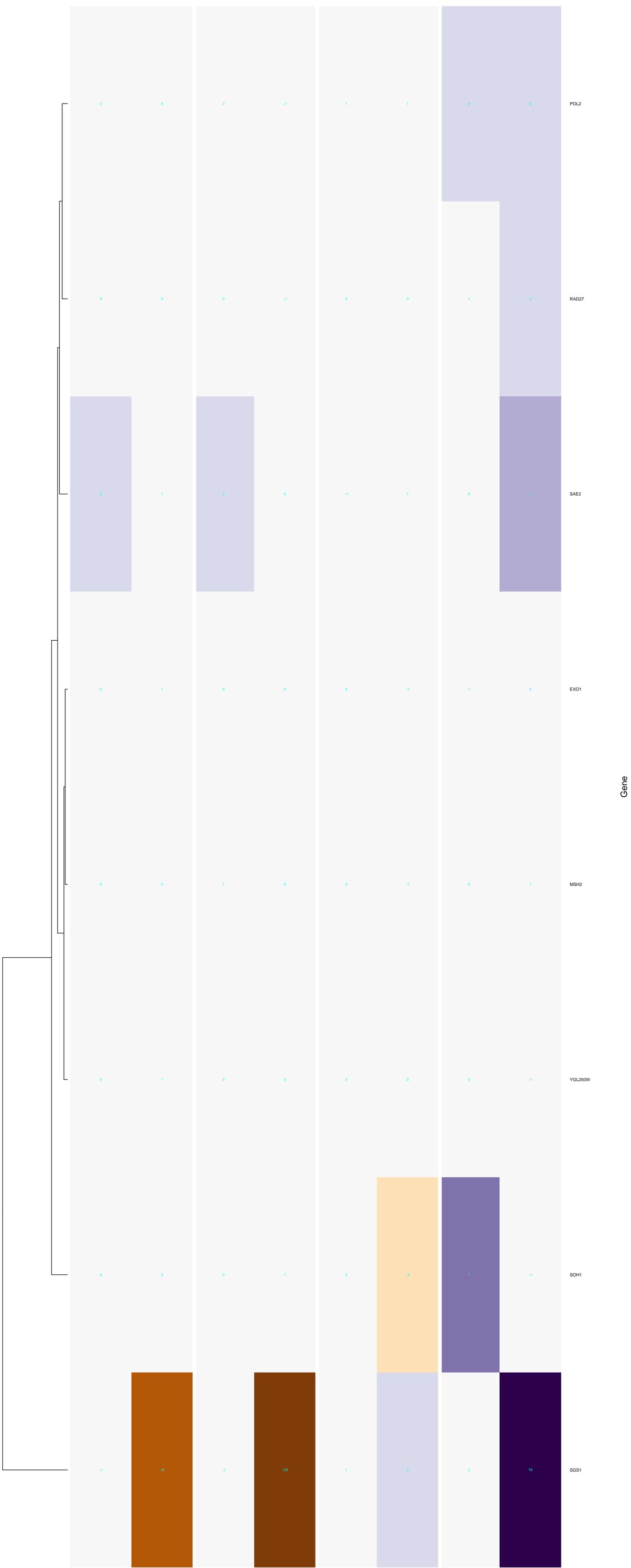
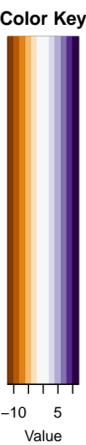




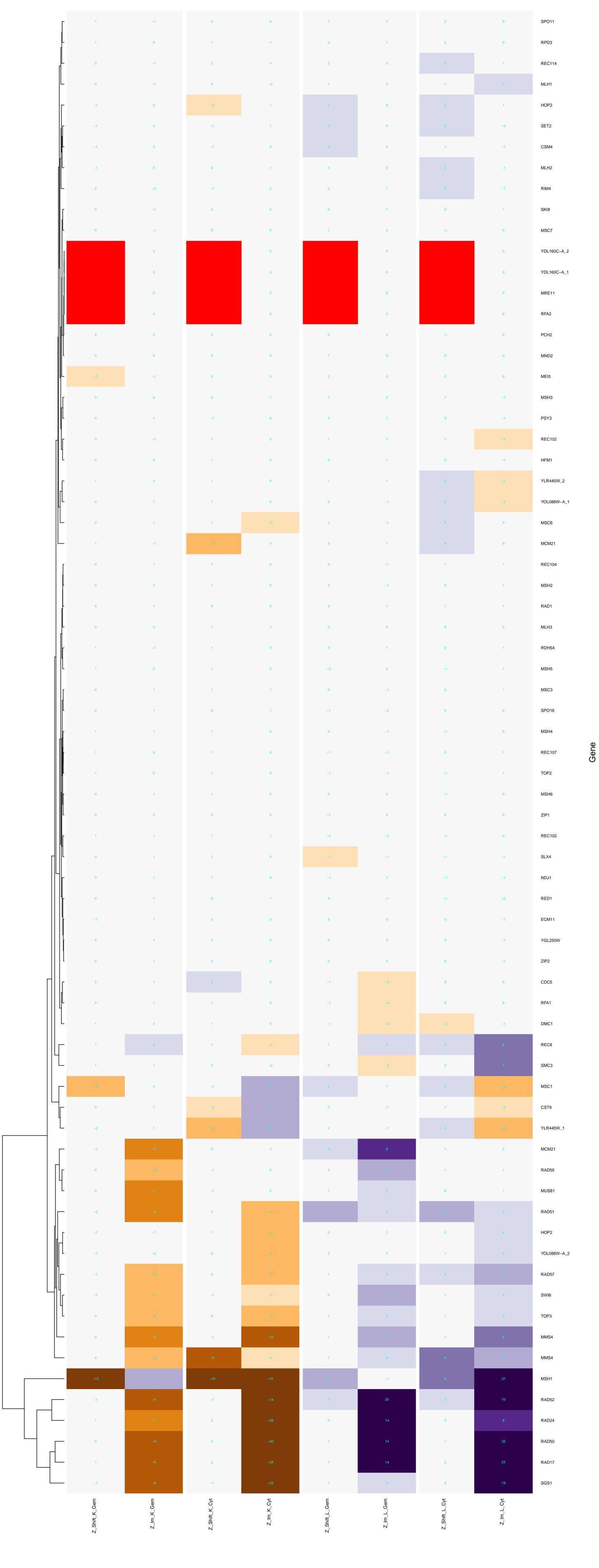
mitotic recombination



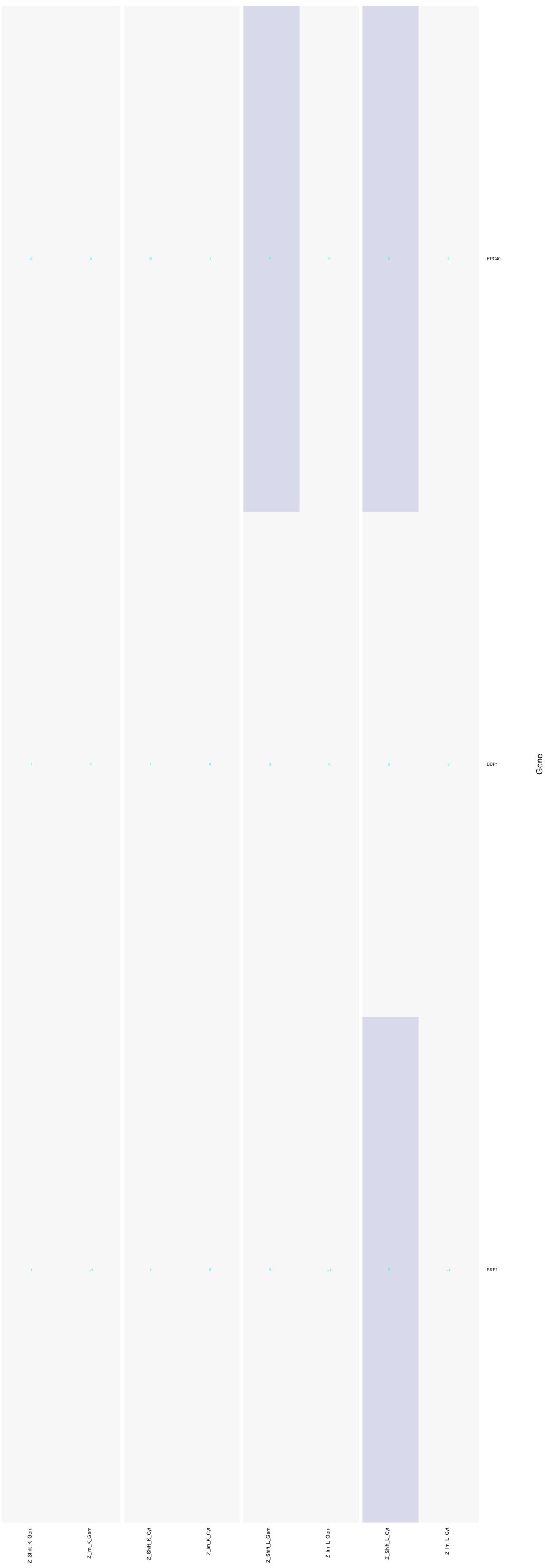
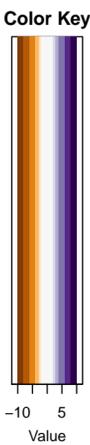
gene conversion



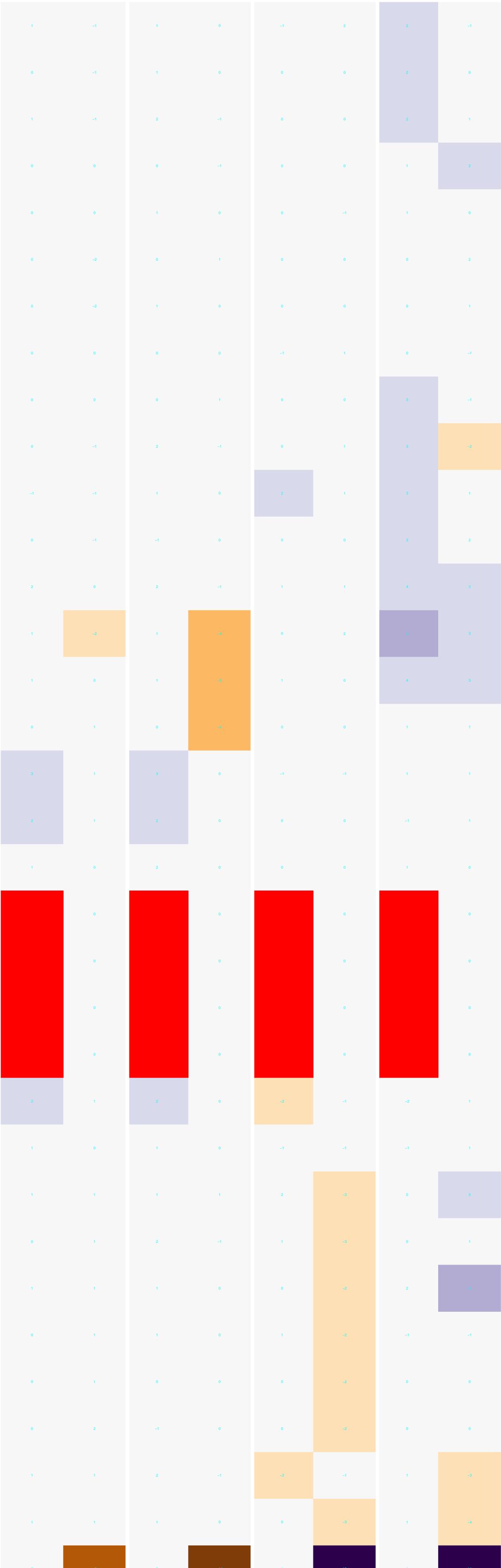
reciprocal DNA recombination



transposon integration

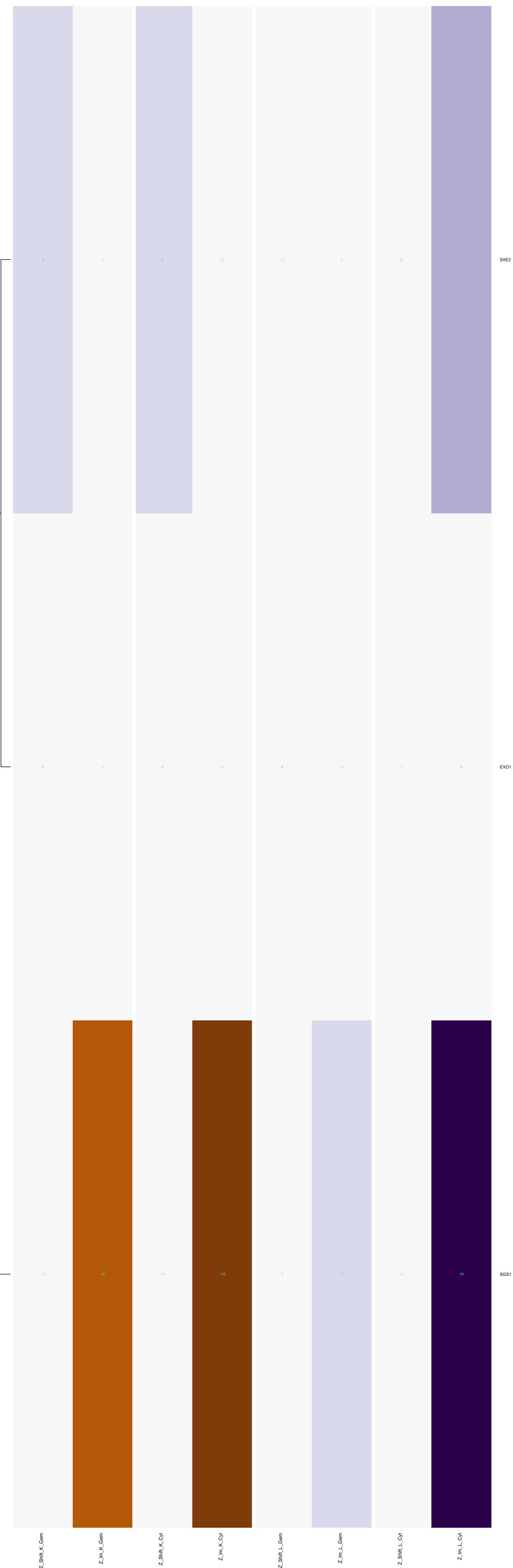
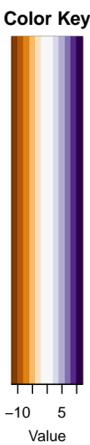


DNA strand elongation involved in DNA replication



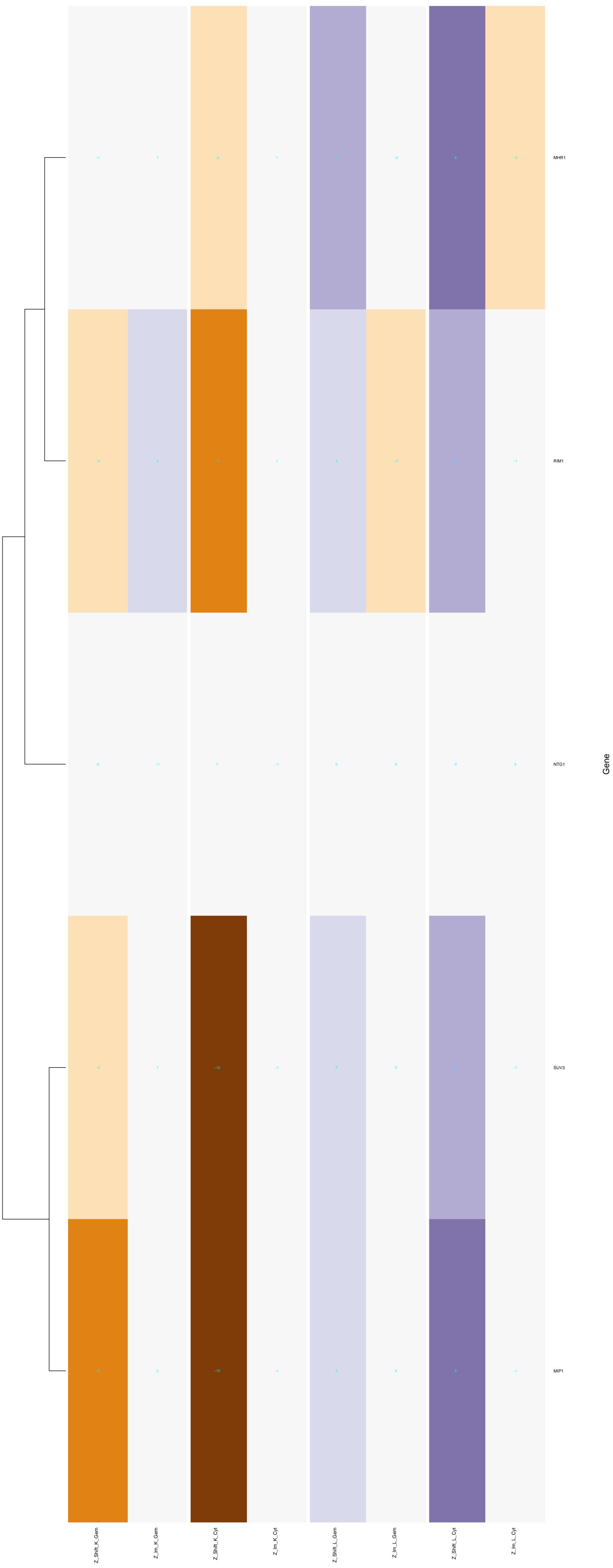
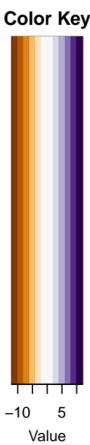
Gene

telomeric 3' overhang formation

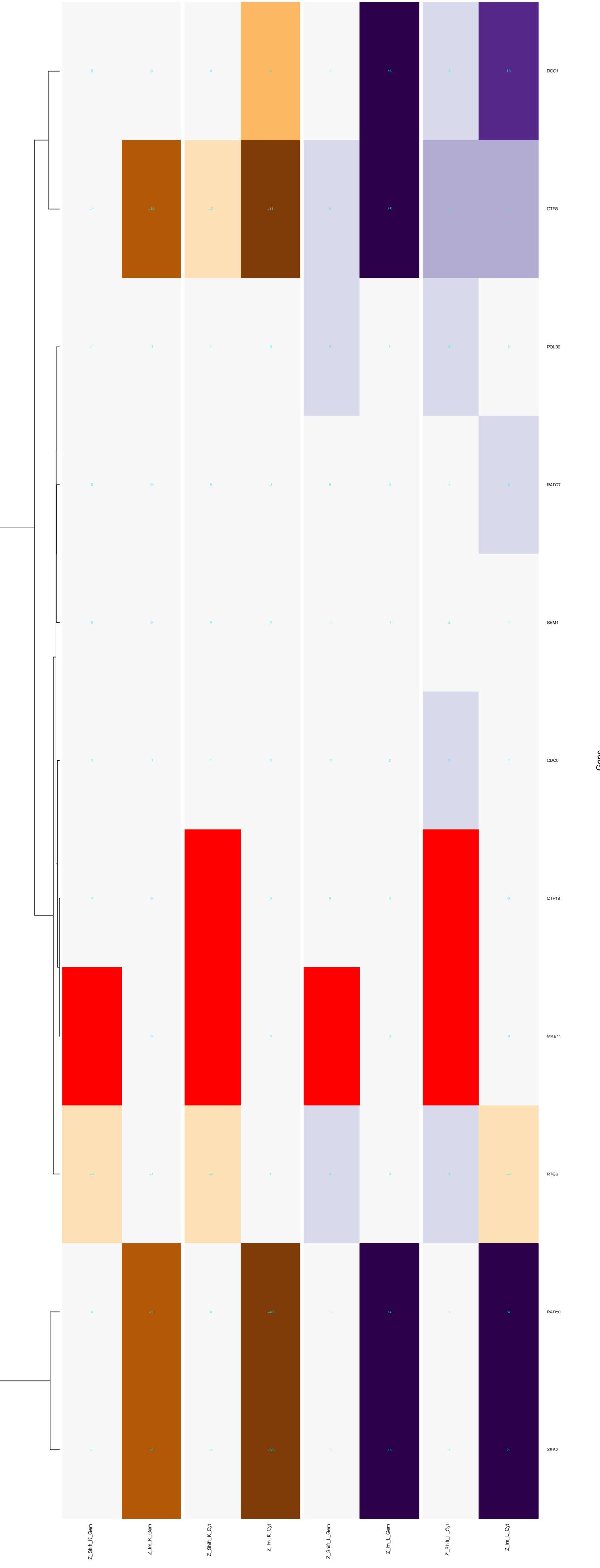


Gene

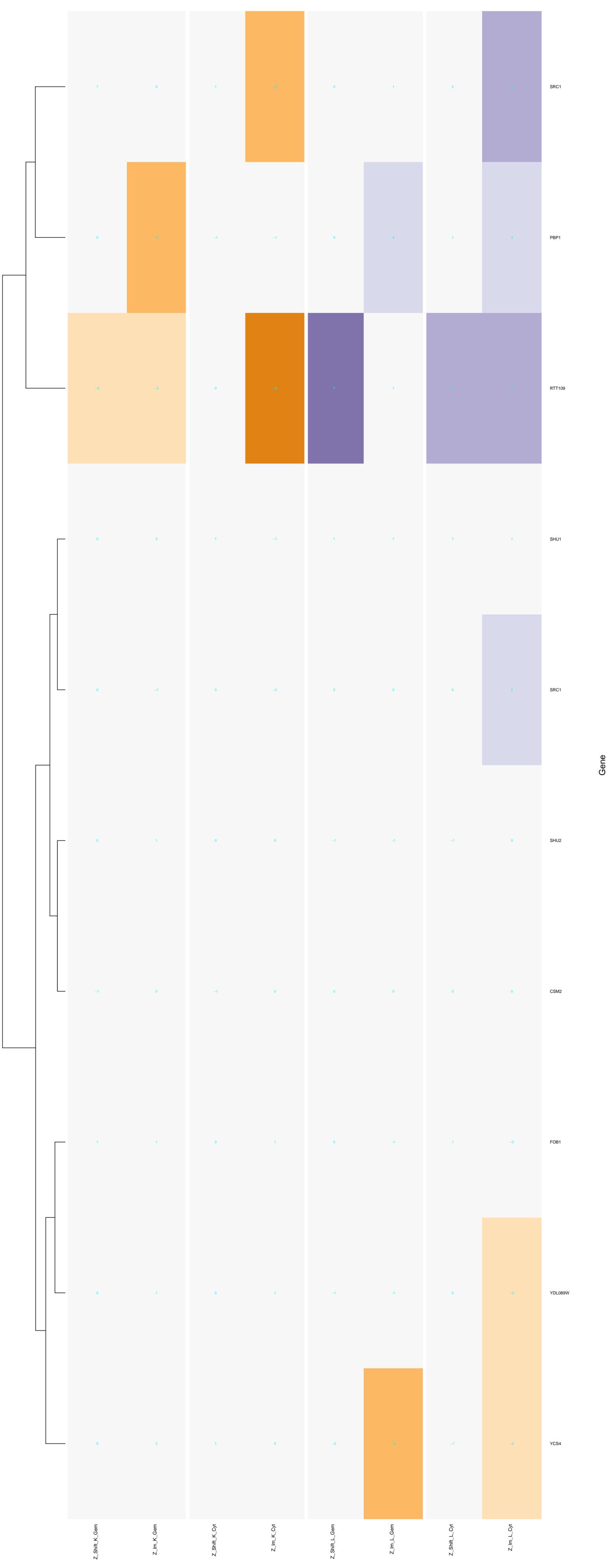
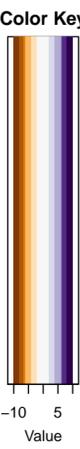
mitochondrial DNA replication



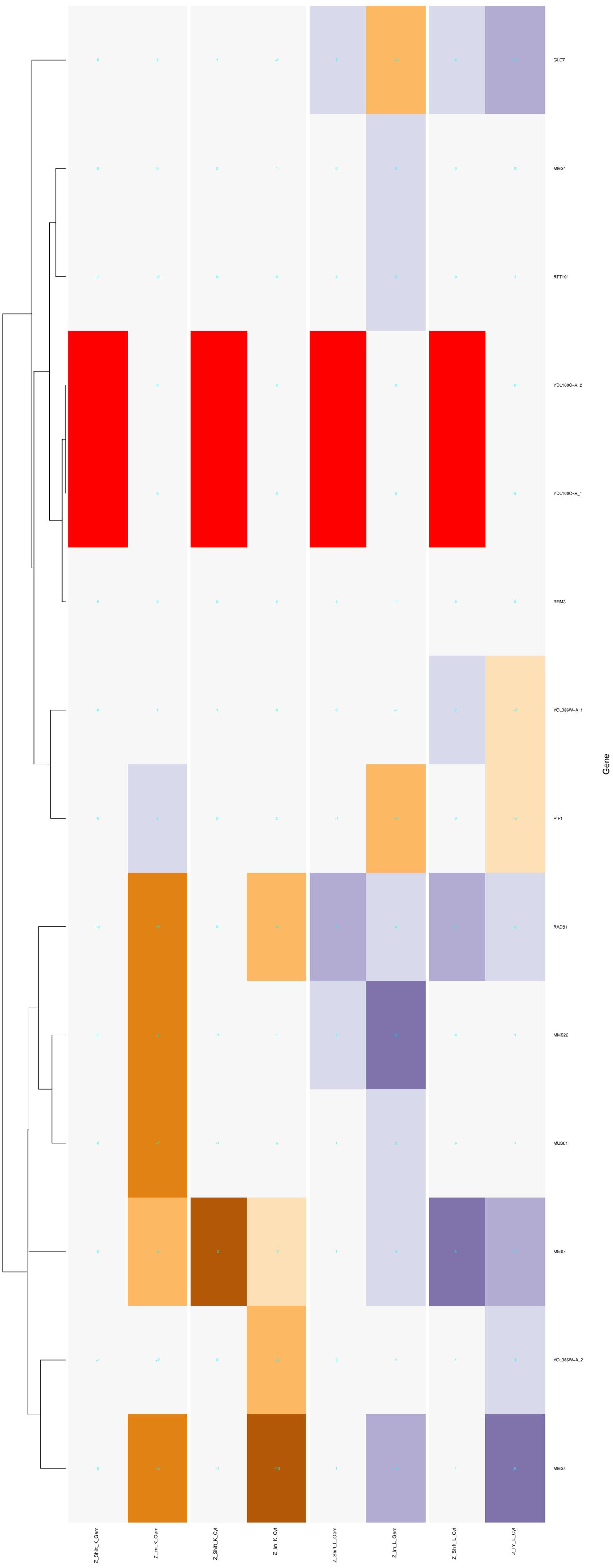
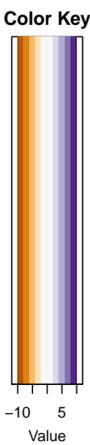
maintenance of DNA trinucleotide repeats



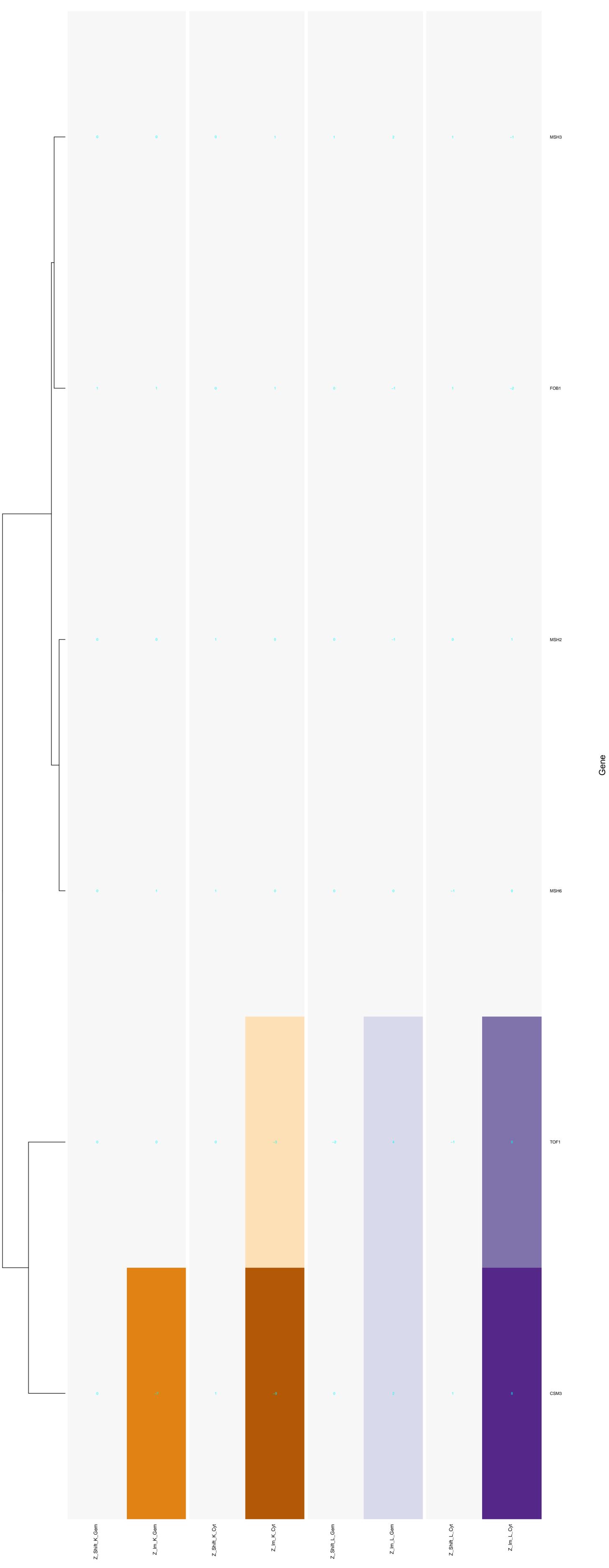
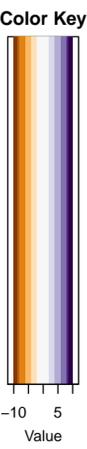
maintenance of rDNA



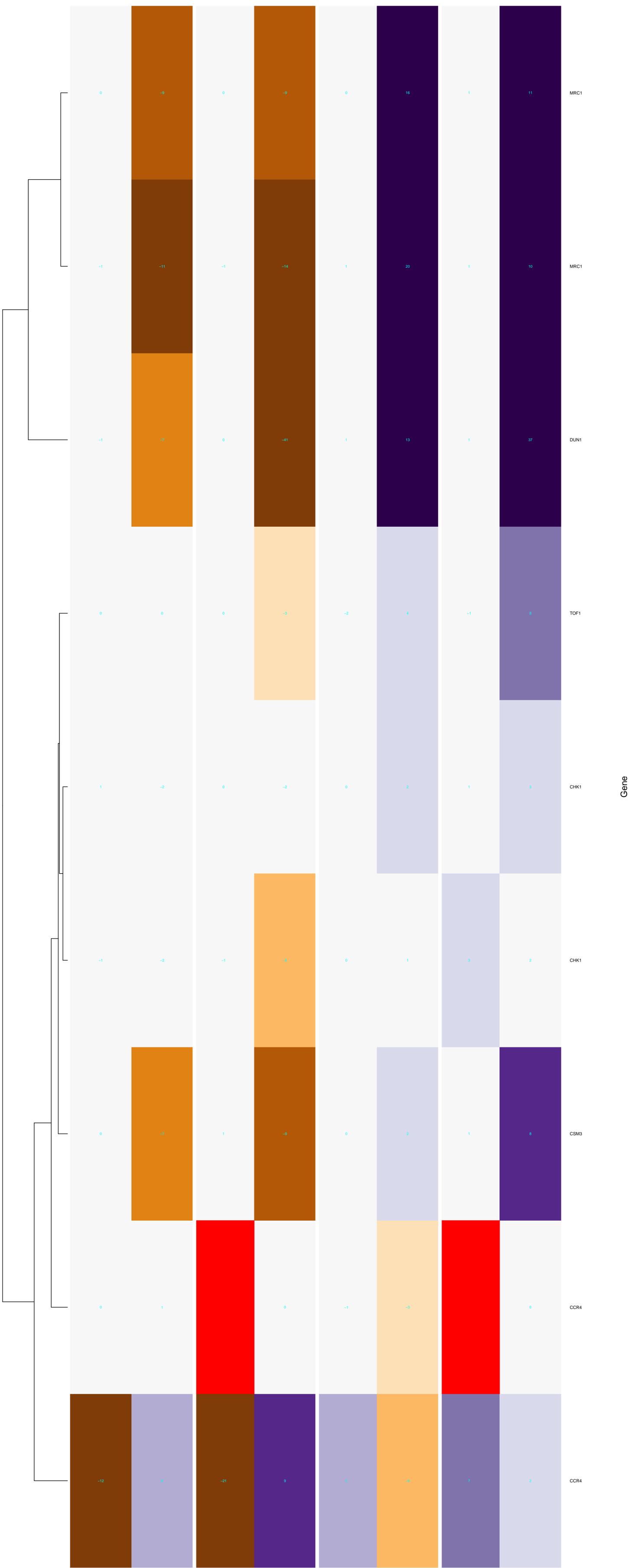
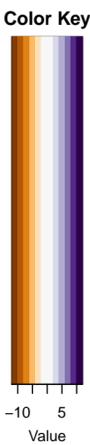
replication fork processing



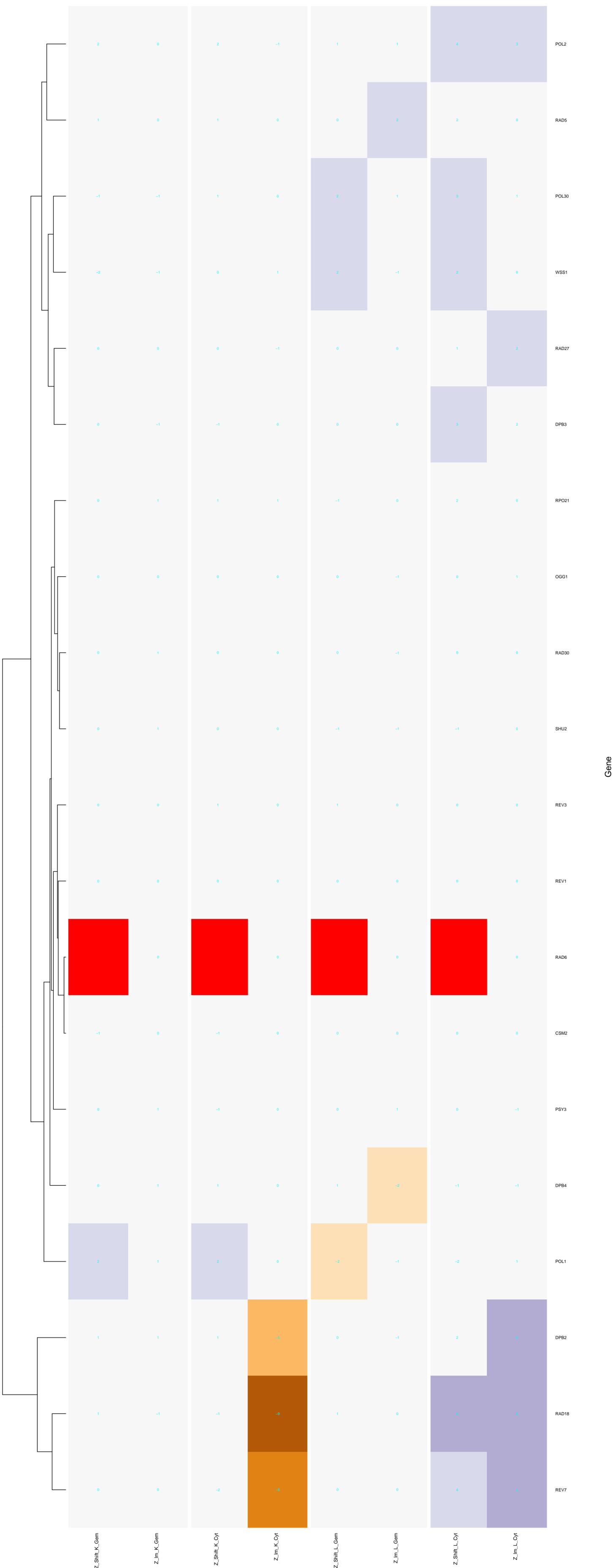
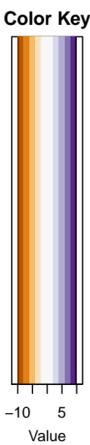
replication fork arrest



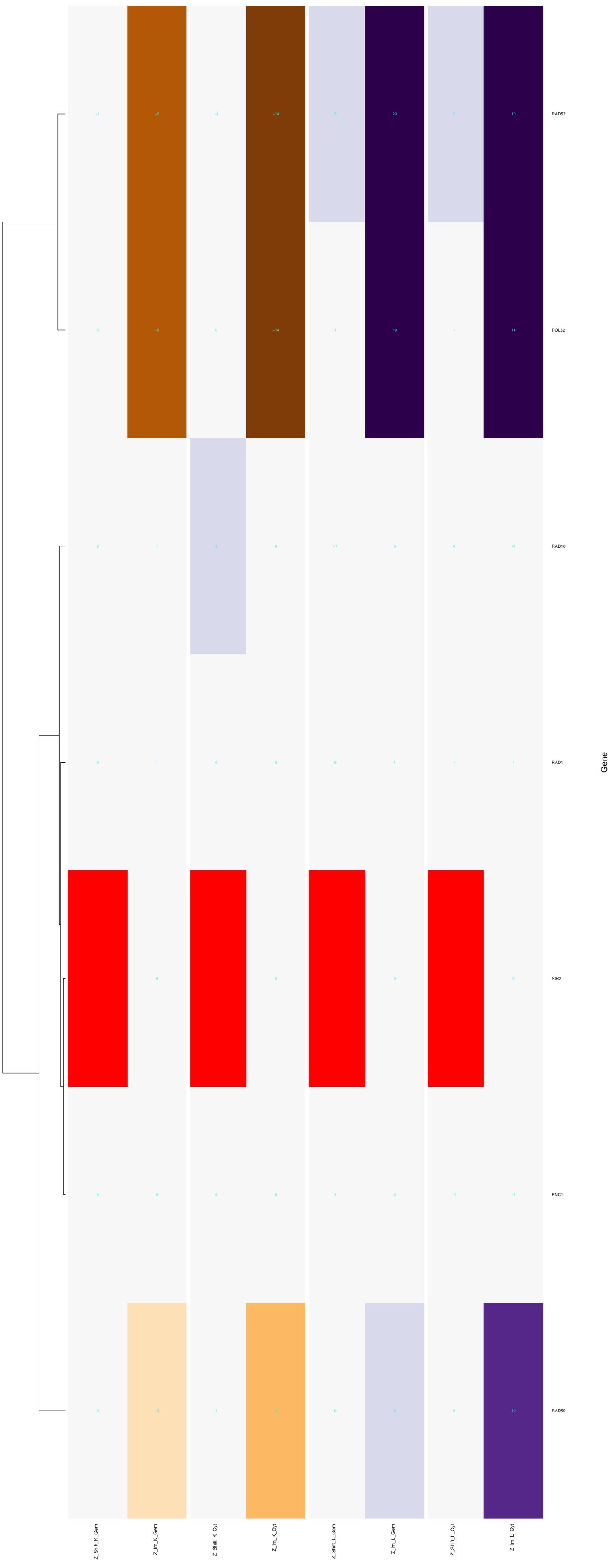
replication fork protection



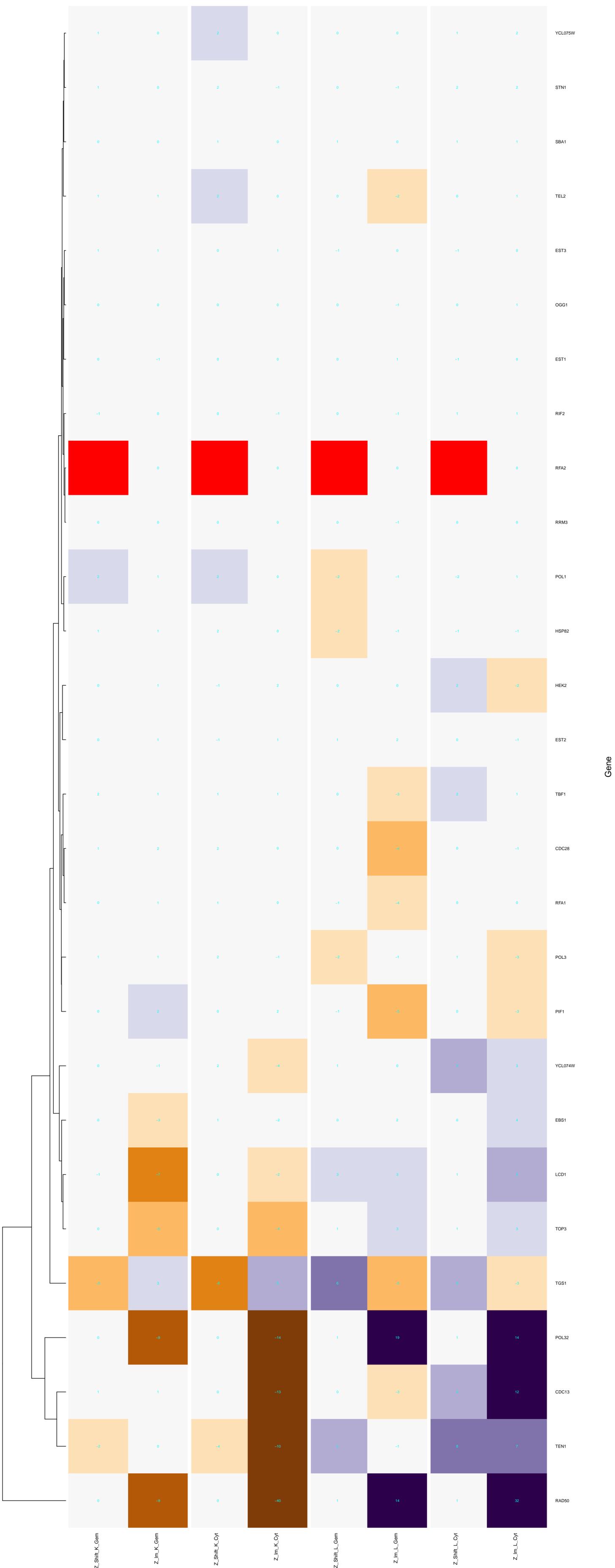
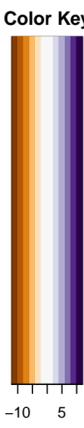
DNA synthesis involved in DNA repair



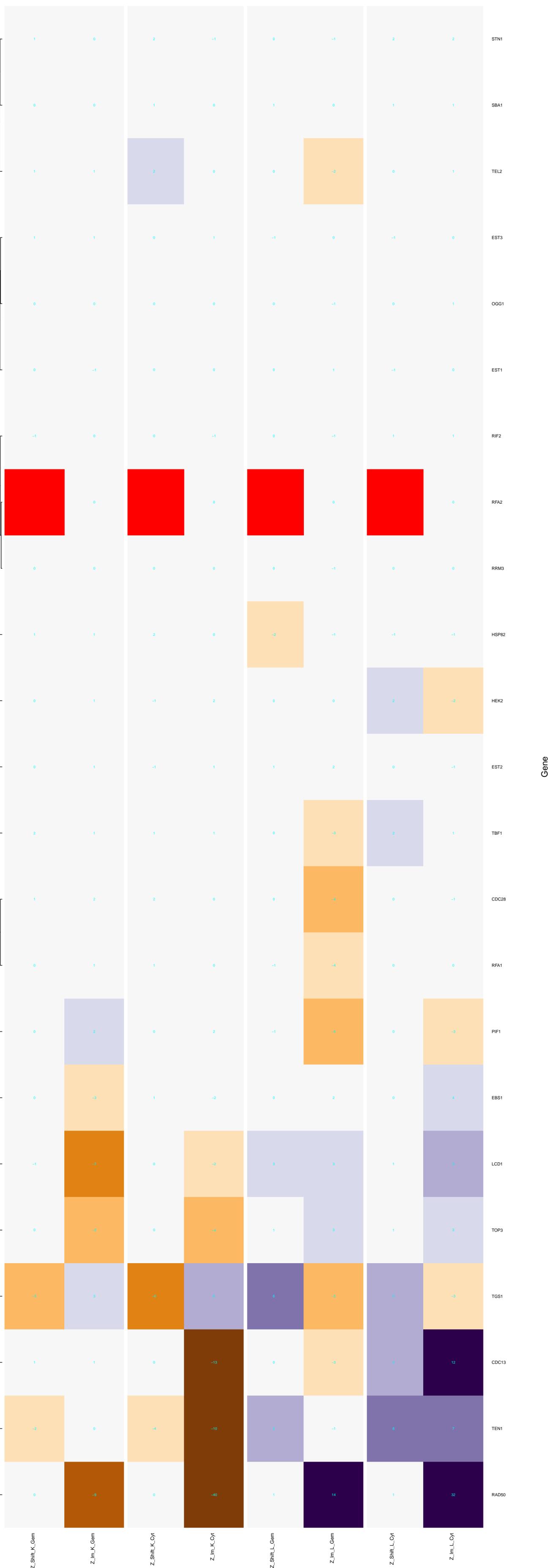
DNA amplification



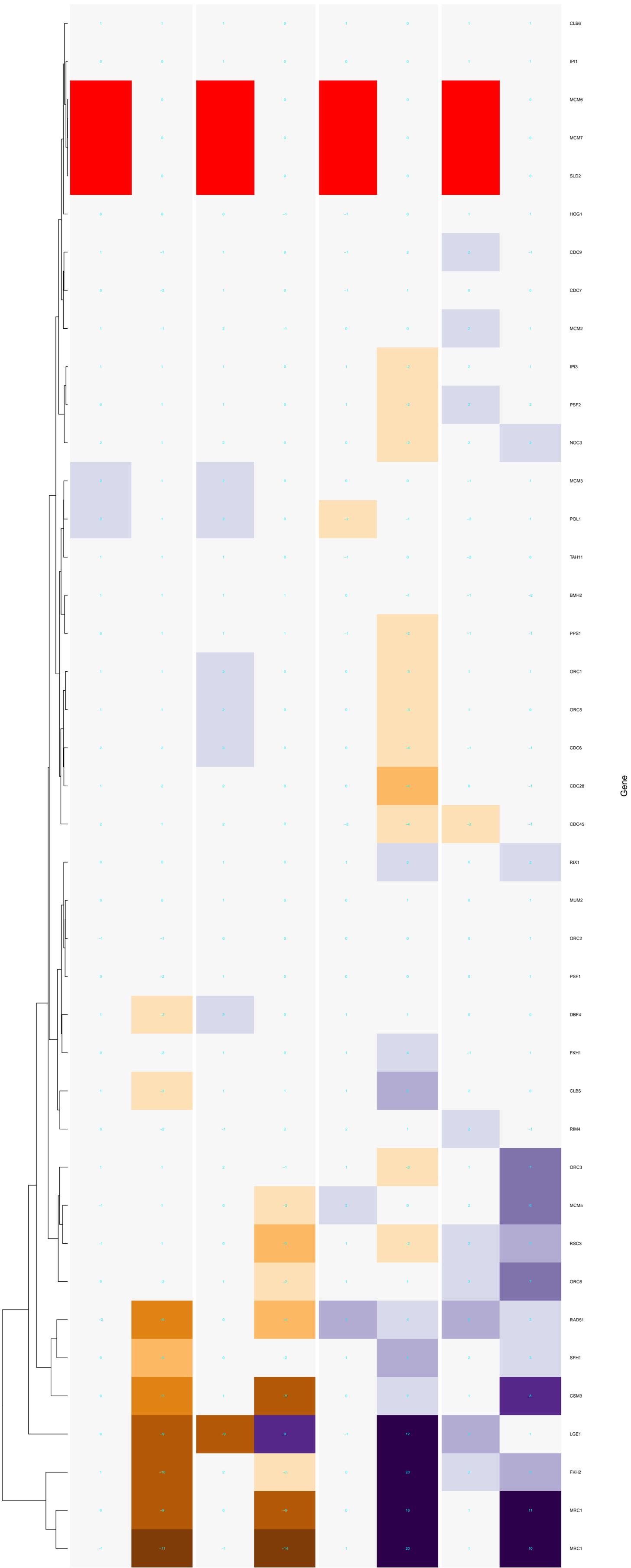
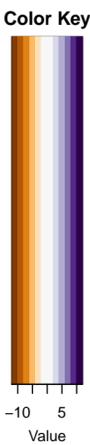
RNA-dependent DNA biosynthetic process



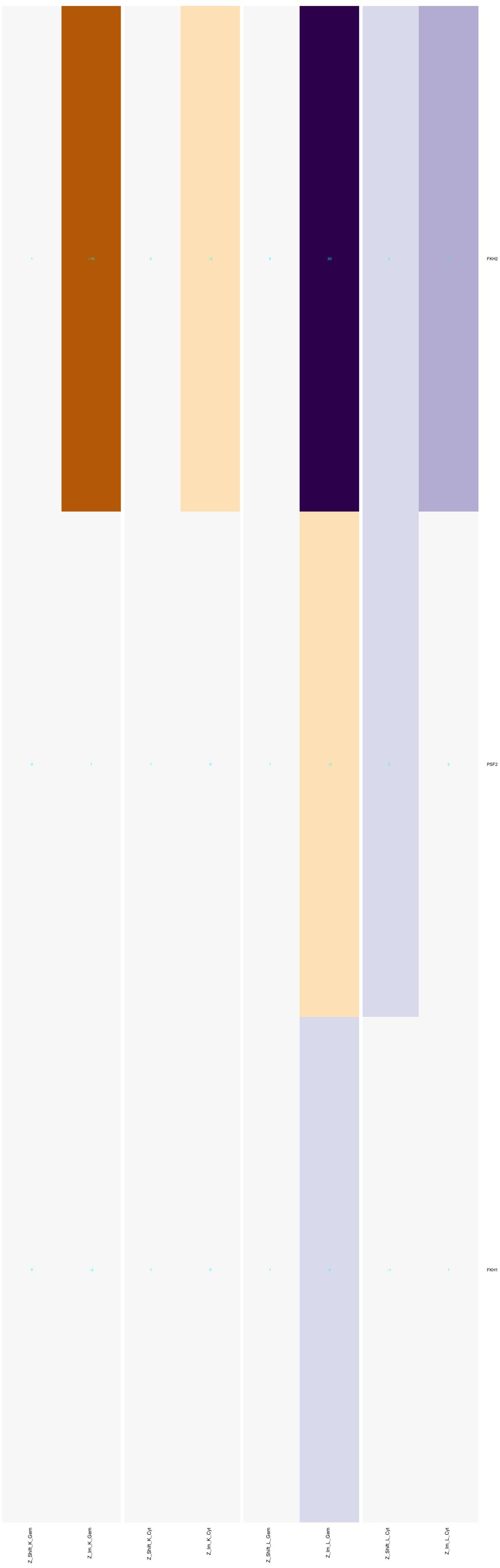
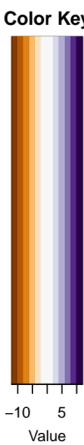
telomere maintenance via telomerase



cell cycle DNA replication

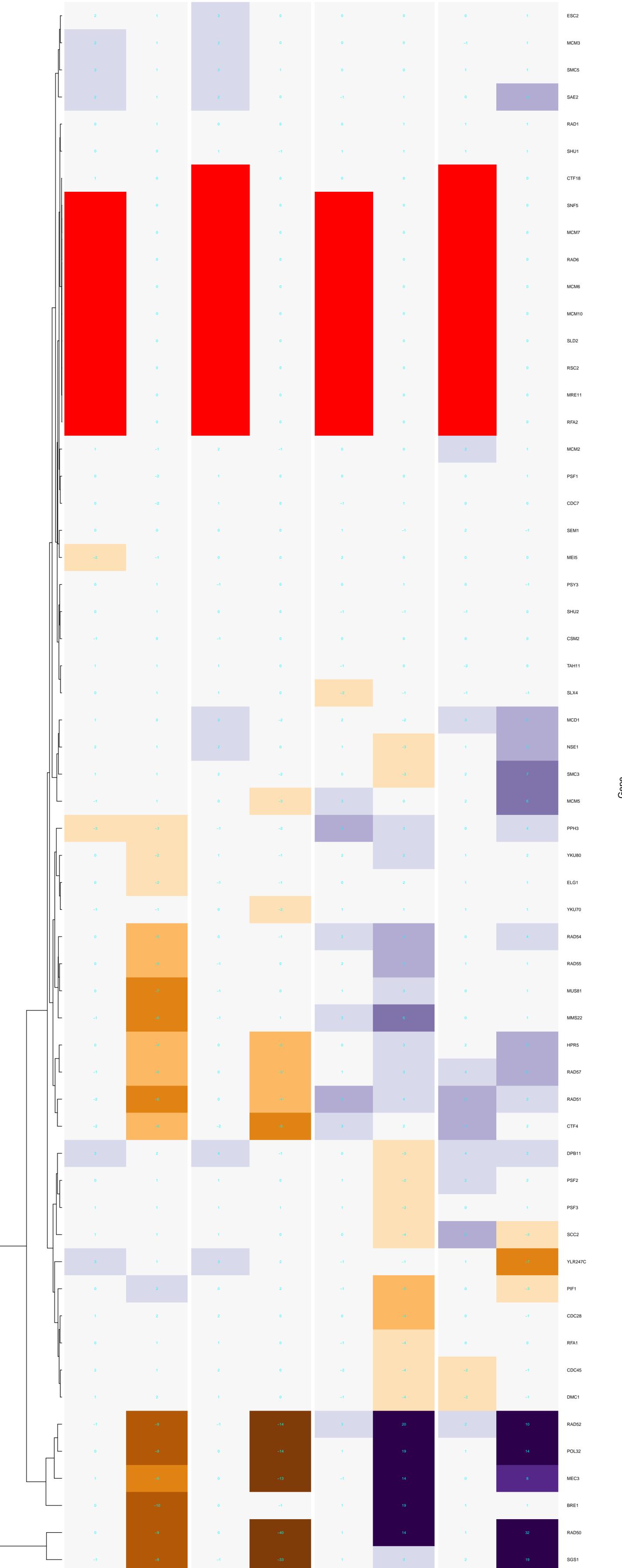


nuclear cell cycle DNA replication initiation

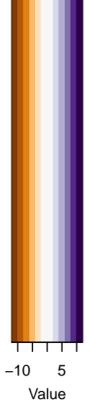


Gene

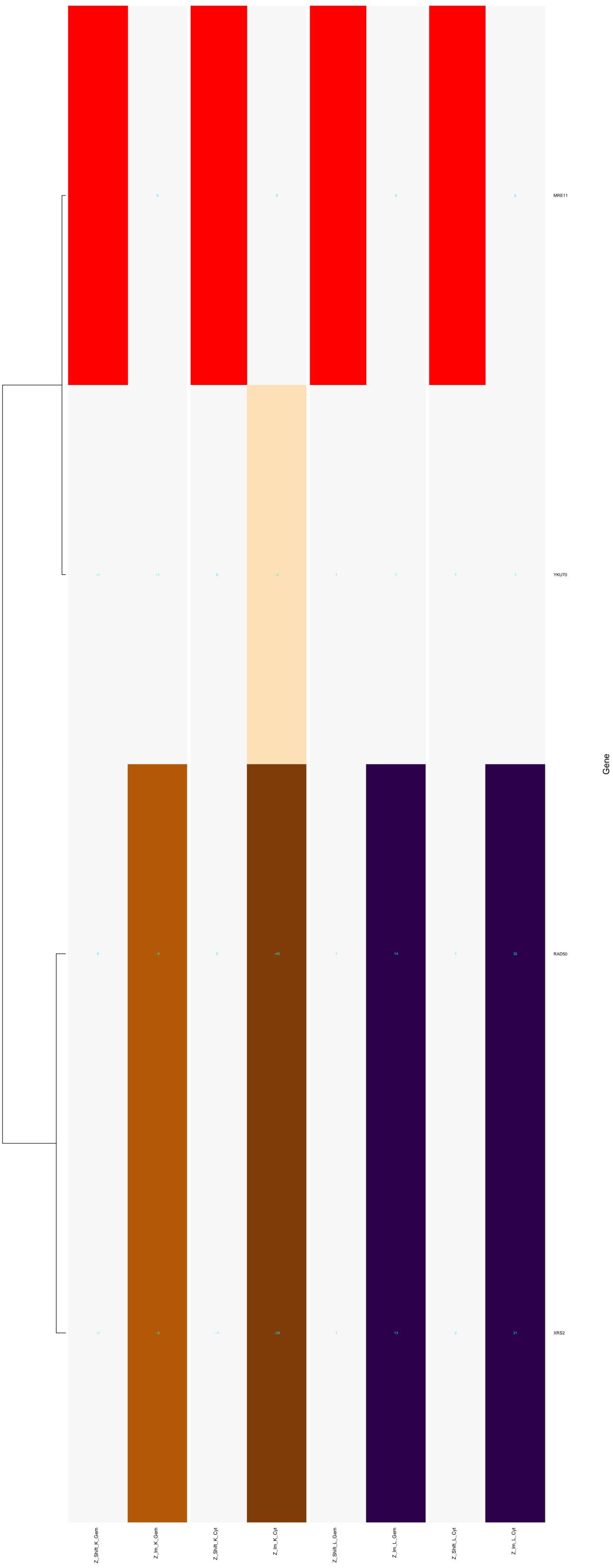
double-strand break repair via homologous recombination



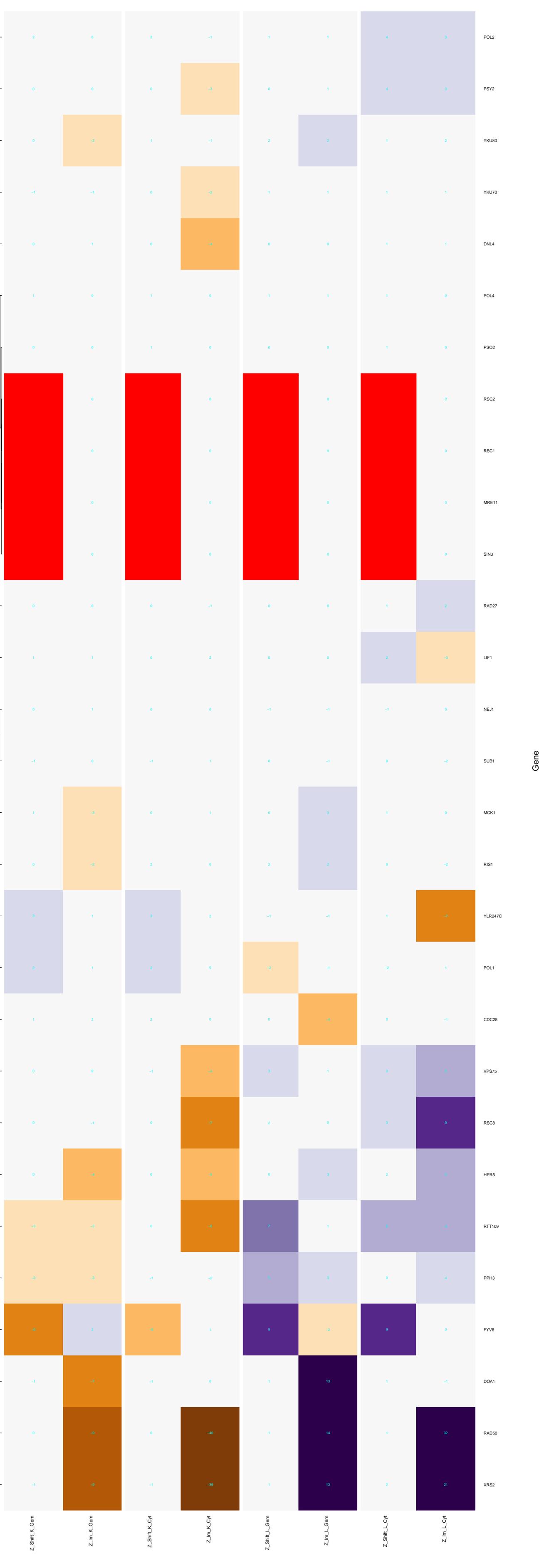
Color Key



mitochondrial double-strand break repair via homologous recombination

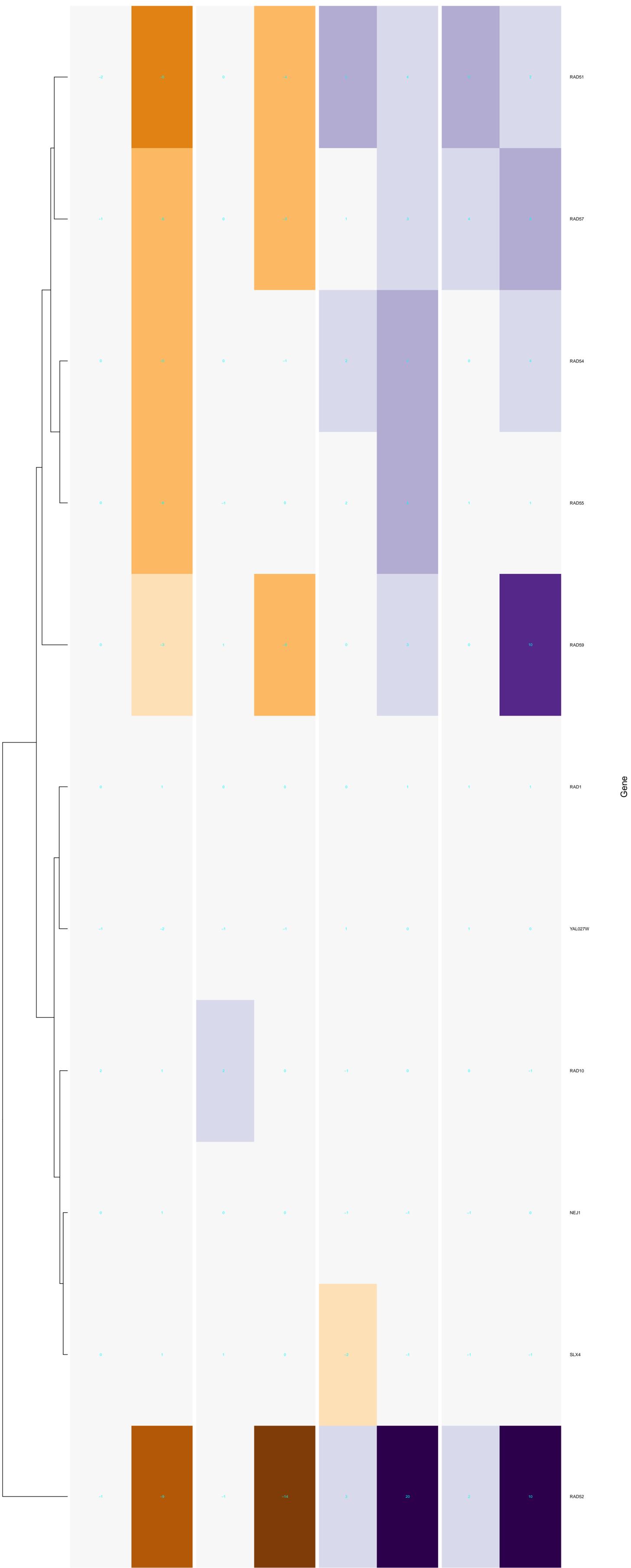
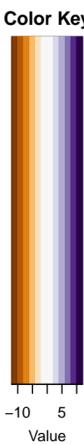


double-strand break repair via nonhomologous end joining

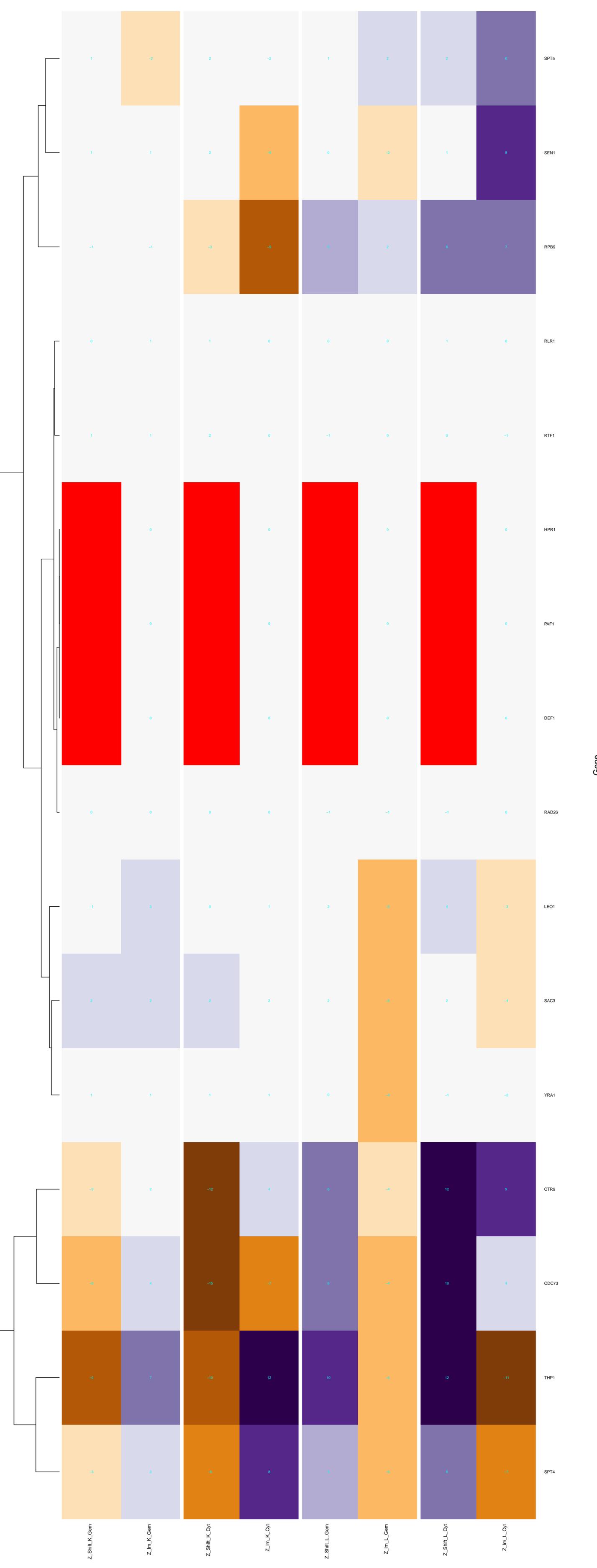


Gene

double-strand break repair via single-strand annealing

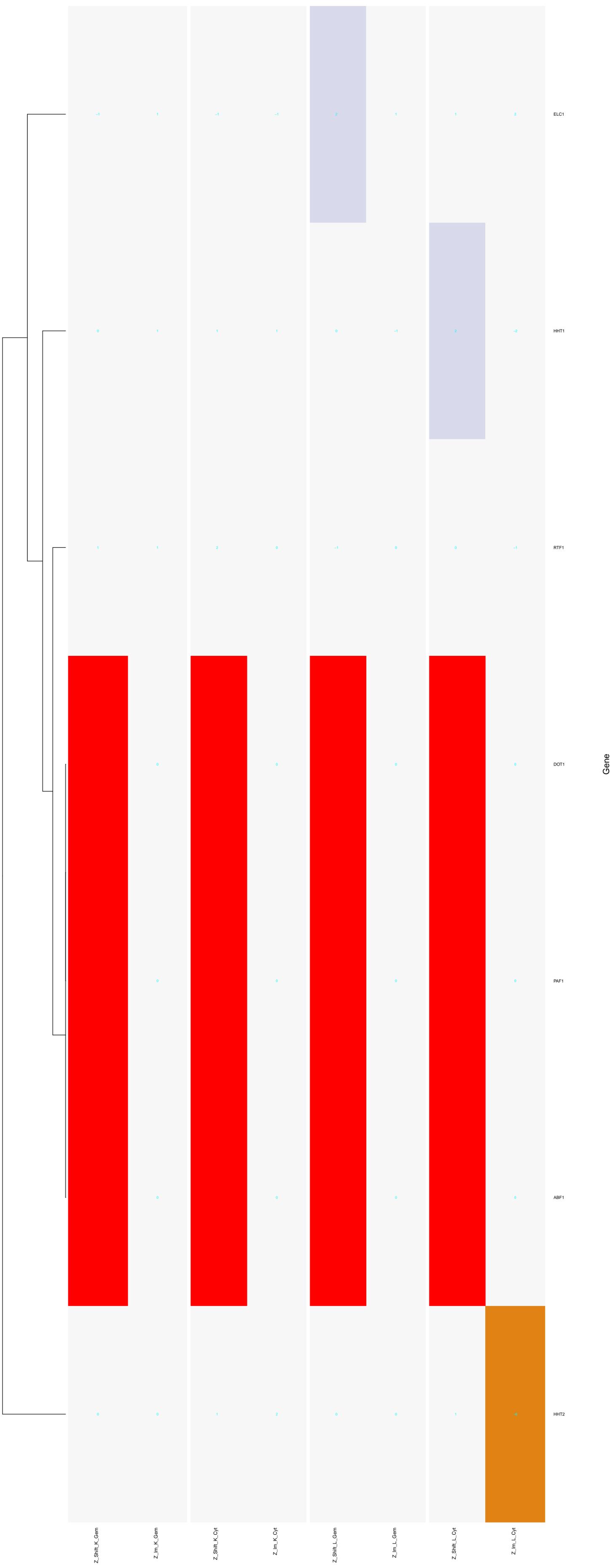
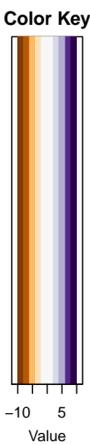


transcription-coupled nucleotide-excision repair

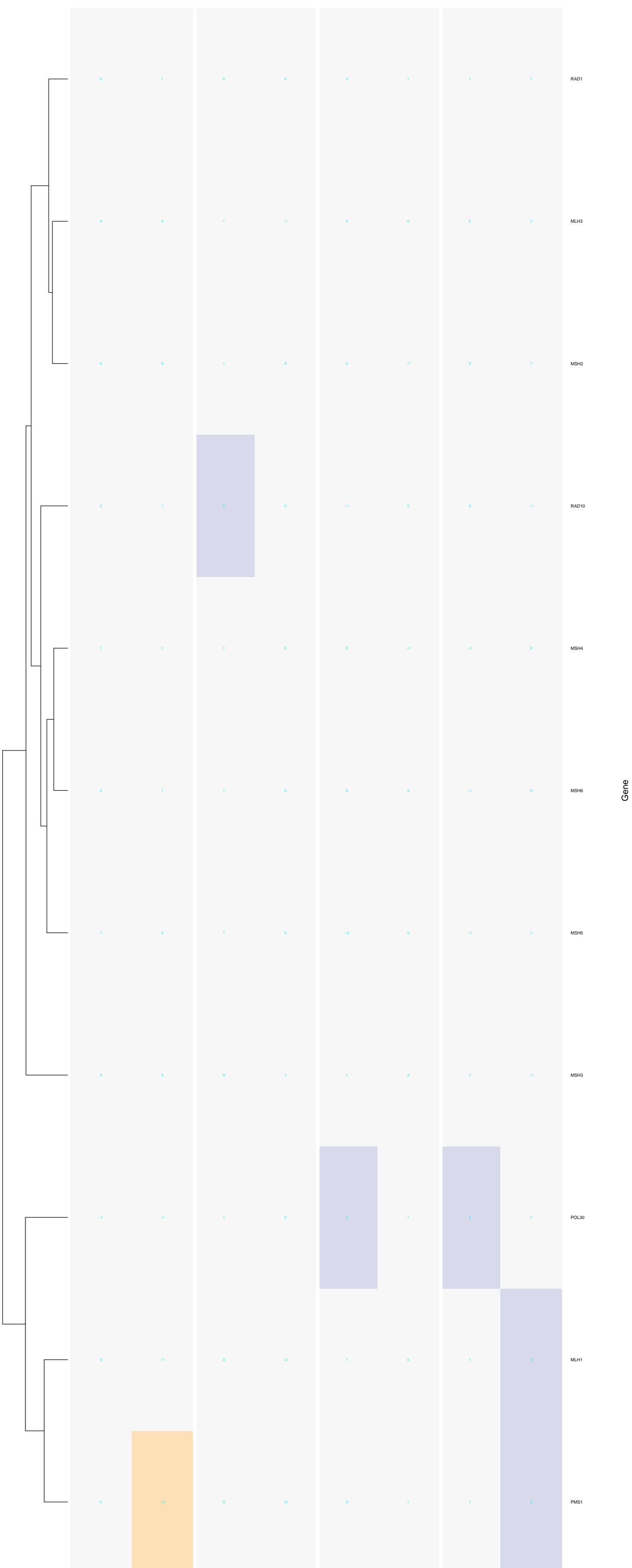
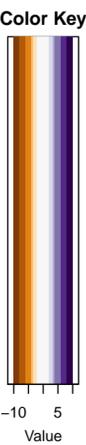


Gene

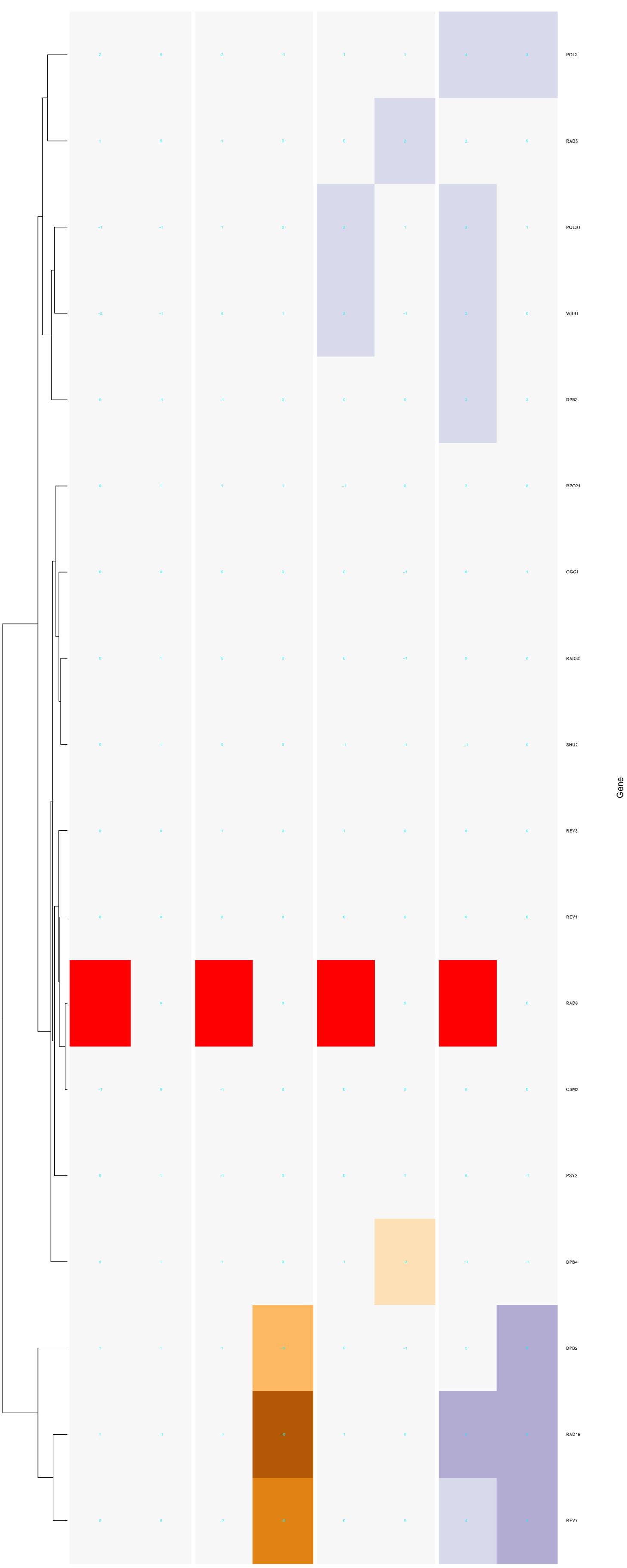
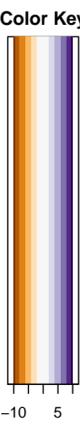
global genome nucleotide–excision repair



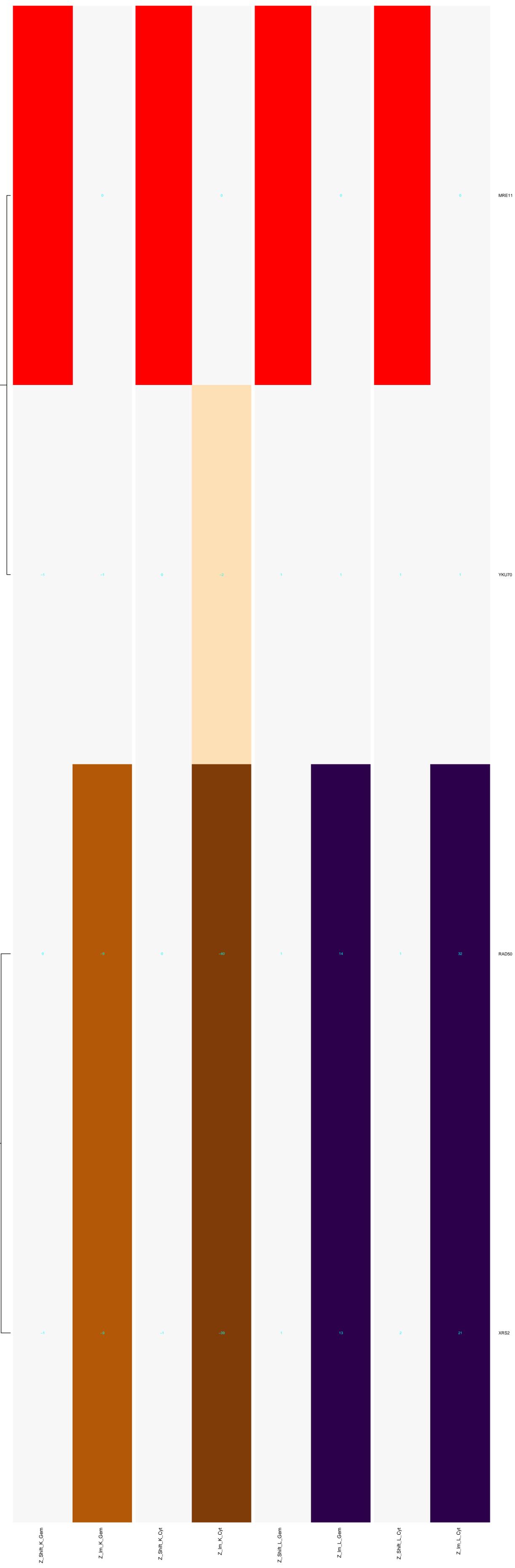
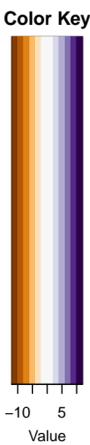
meiotic mismatch repair



translesion synthesis

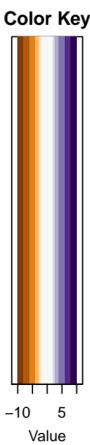


mitochondrial double-strand break repair

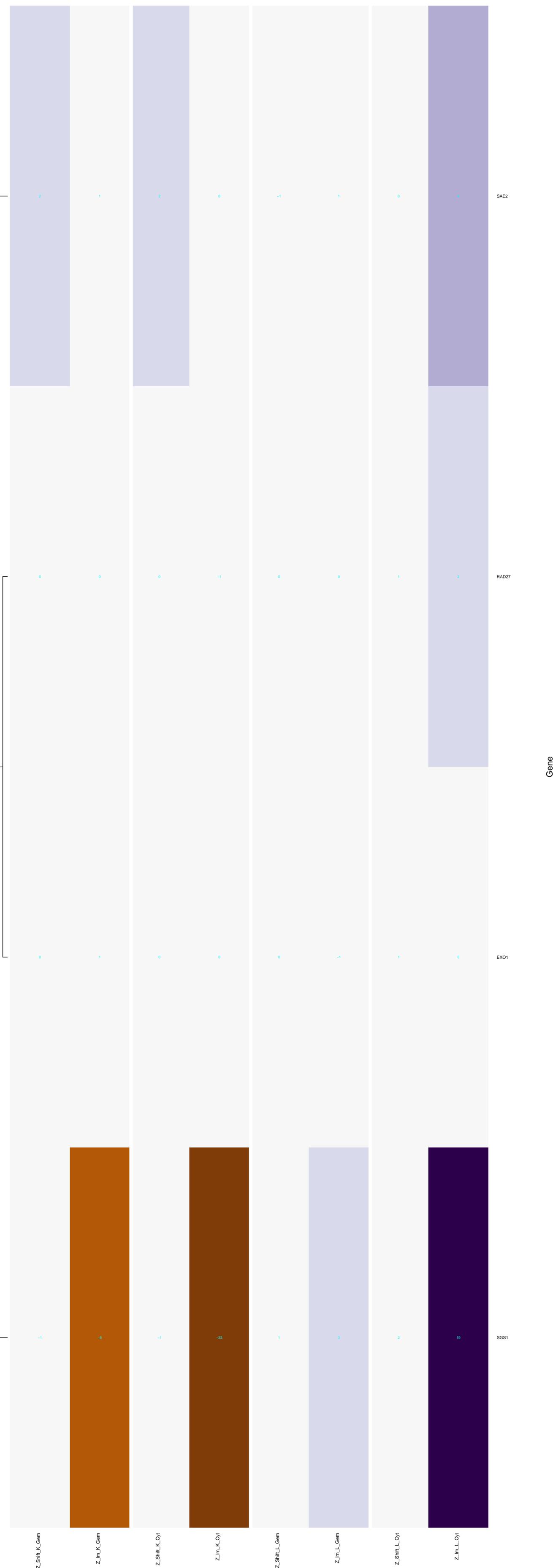
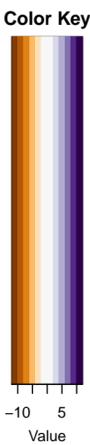


Gene

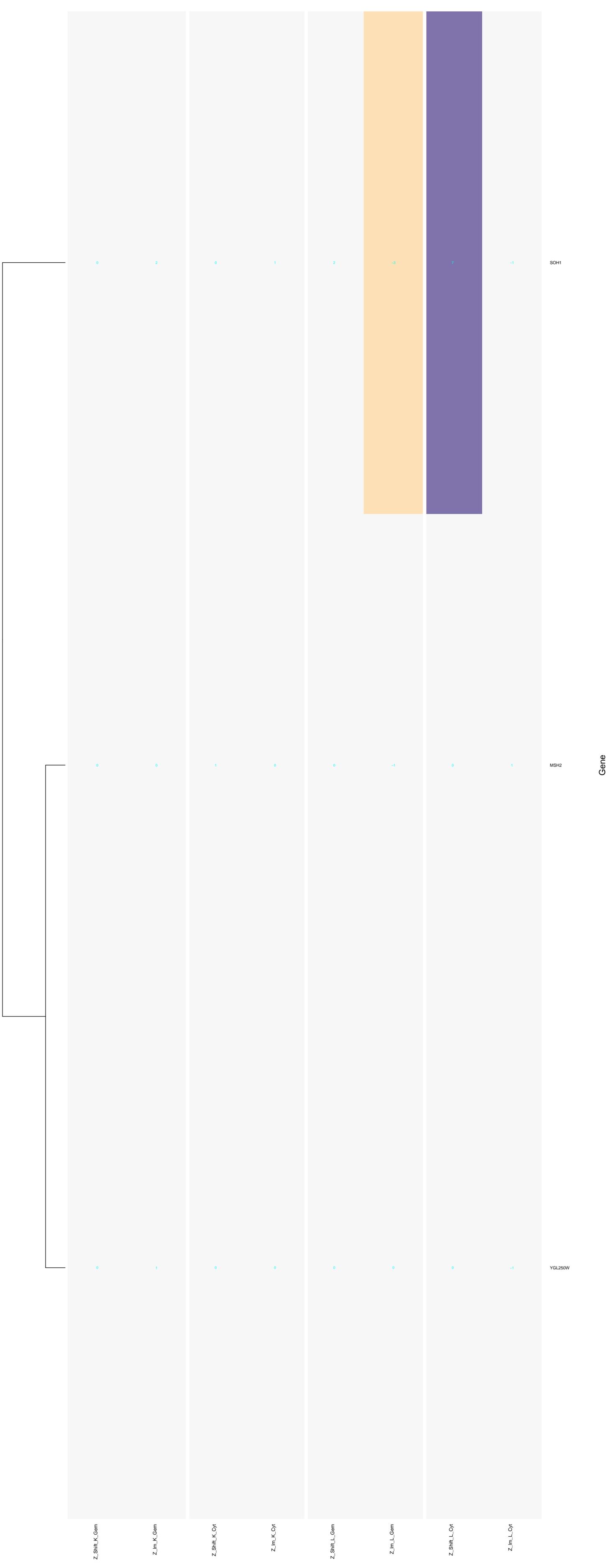
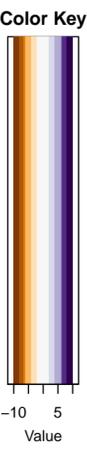
DNA dealkylation involved in DNA repair



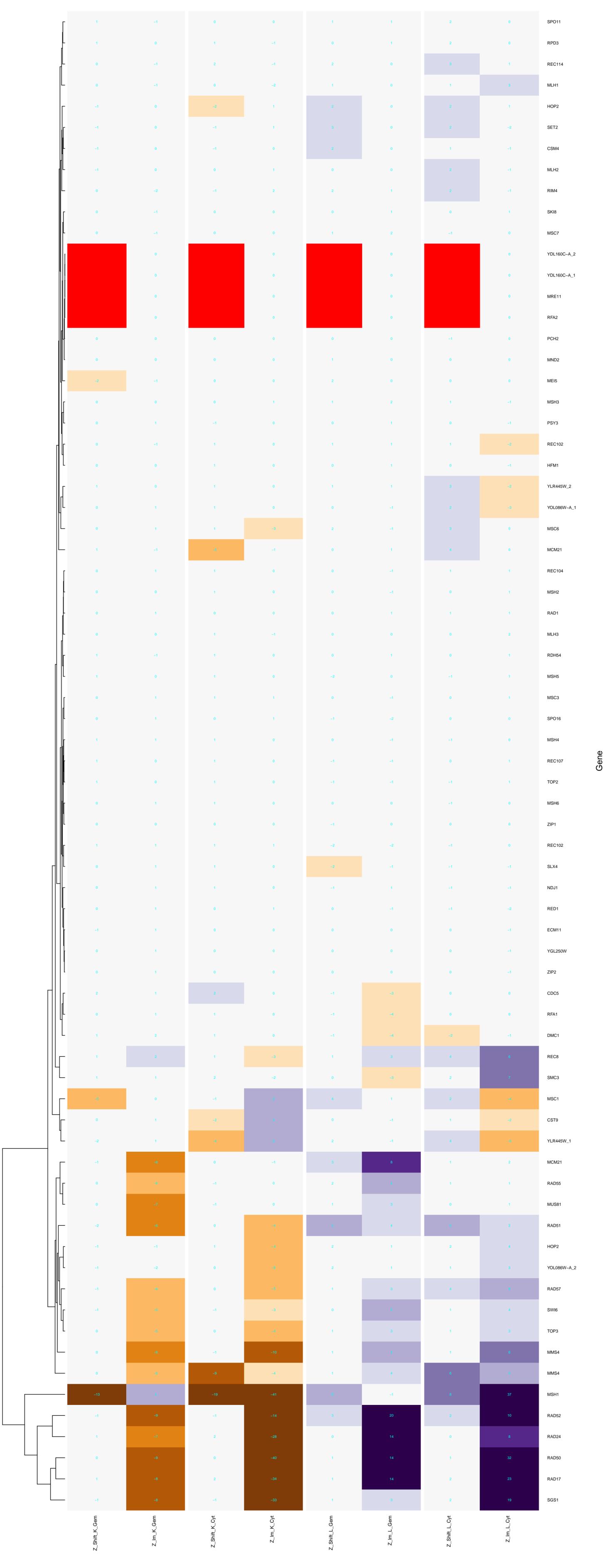
gene conversion at mating-type locus

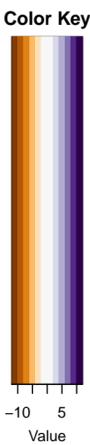


meiotic gene conversion

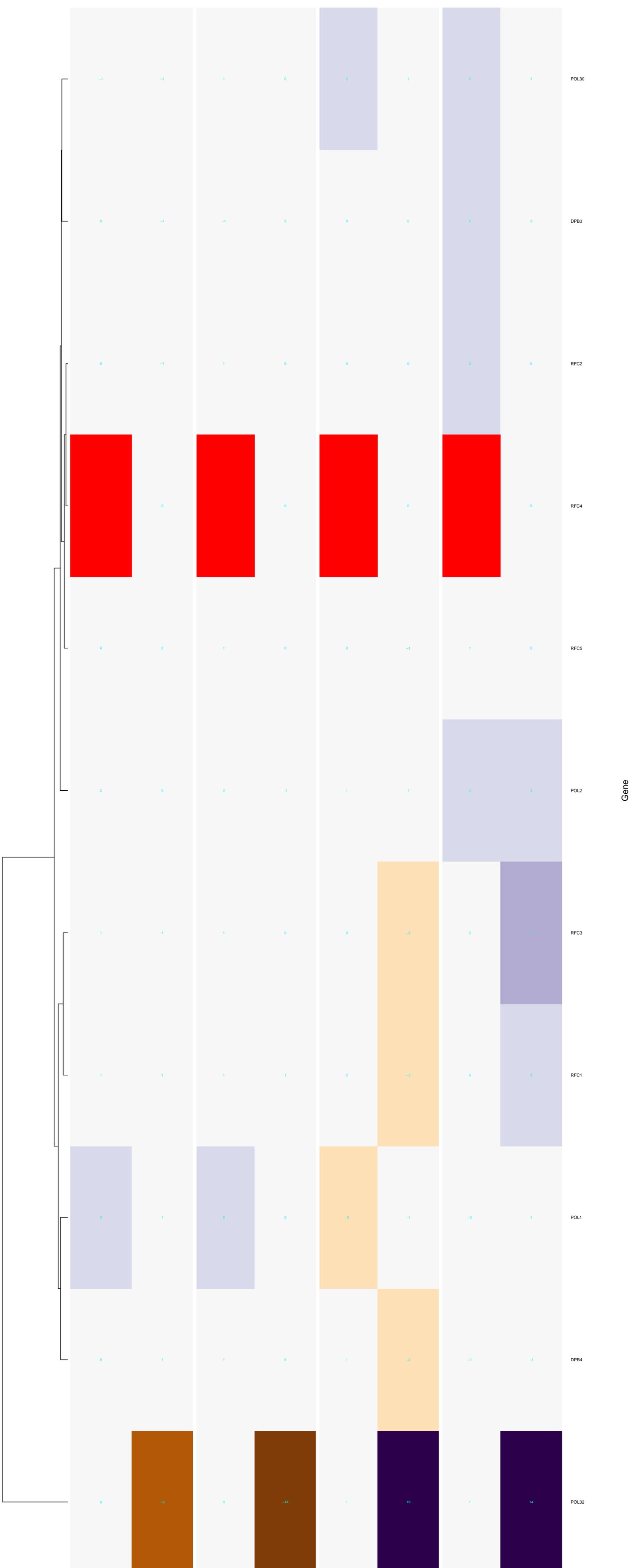


reciprocal meiotic recombination



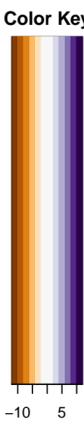


leading strand elongation

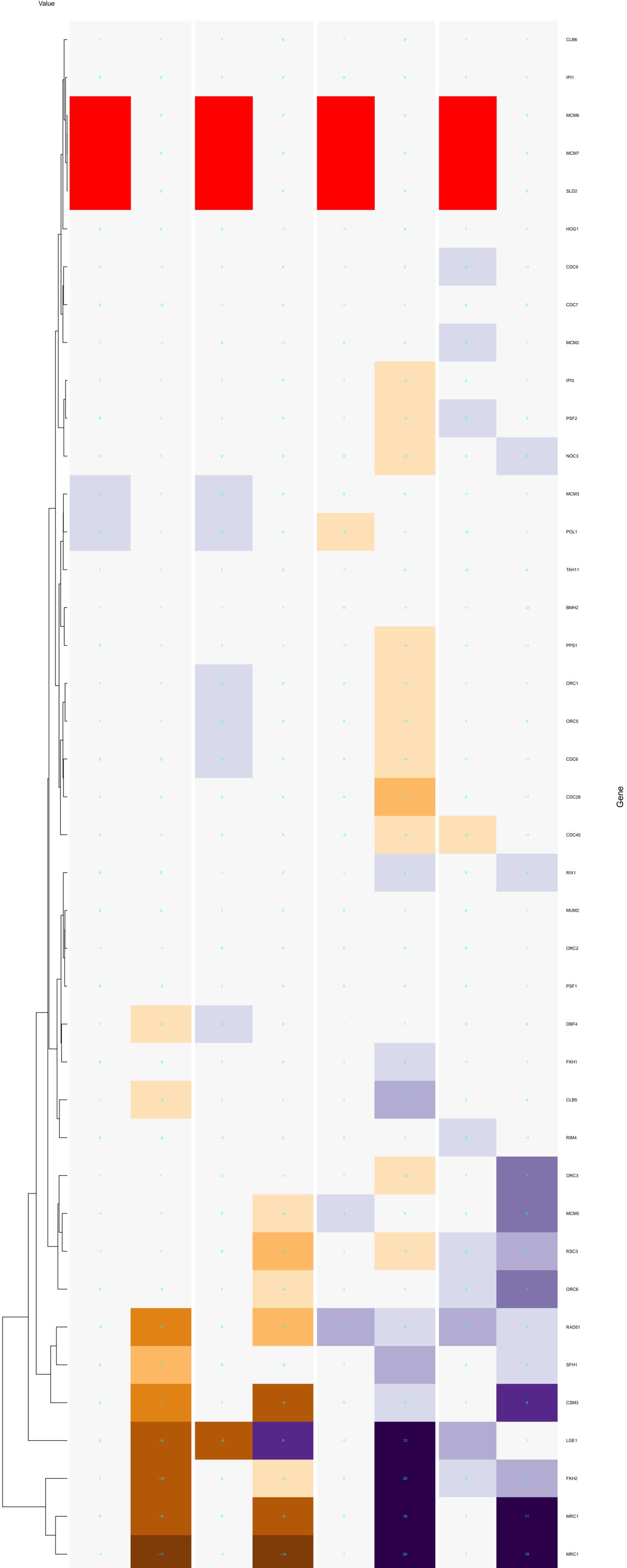


lagging strand elongation

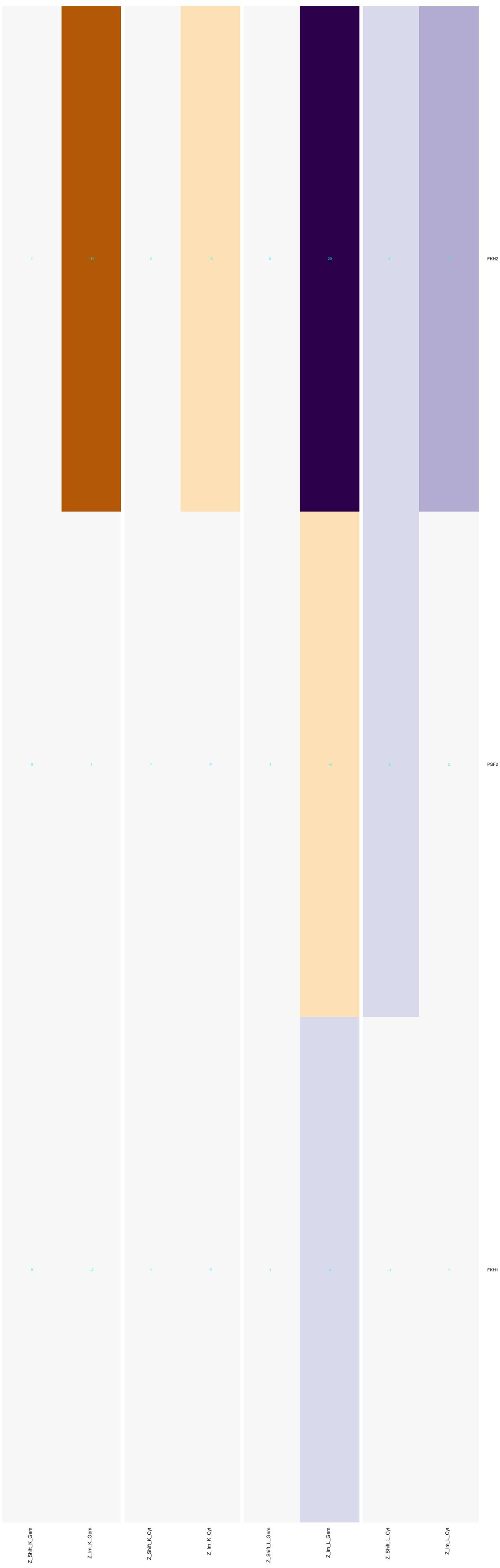
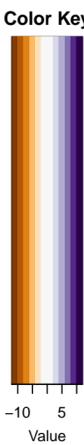




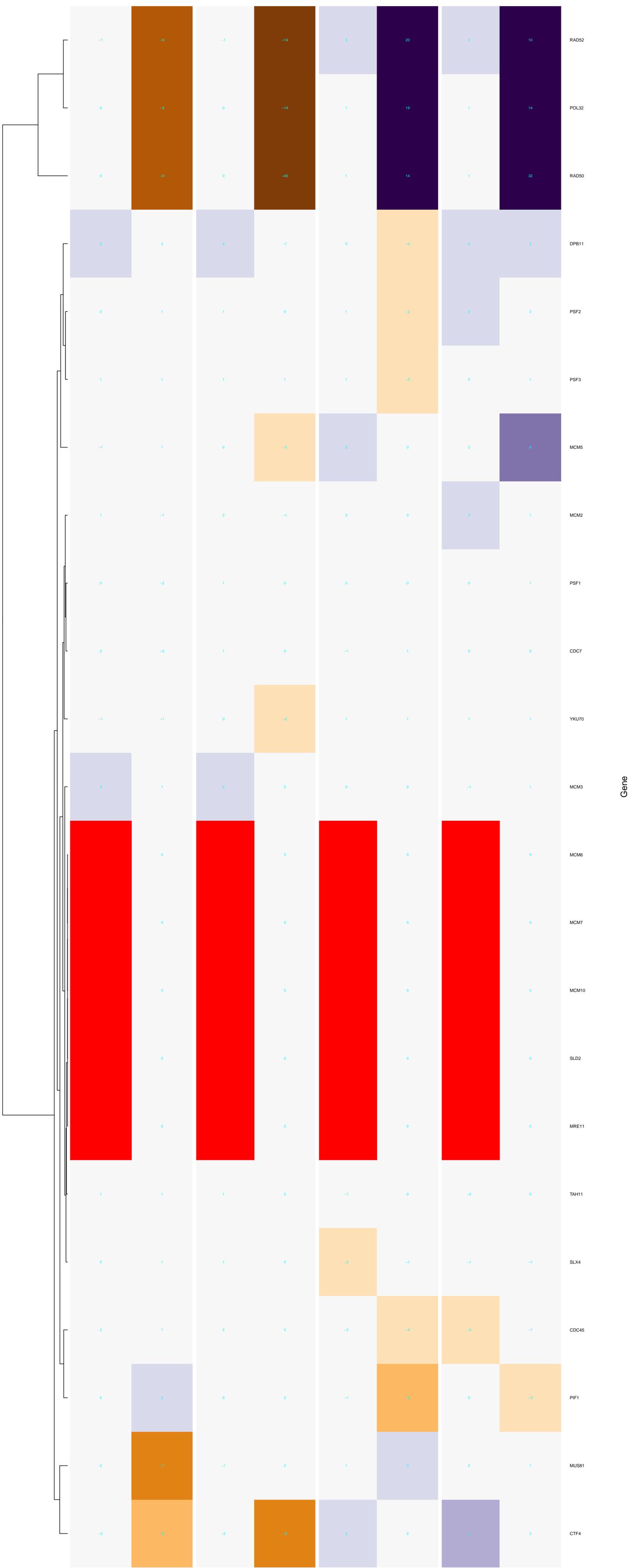
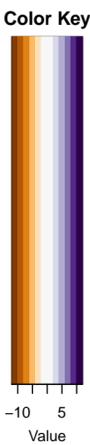
nuclear DNA replication



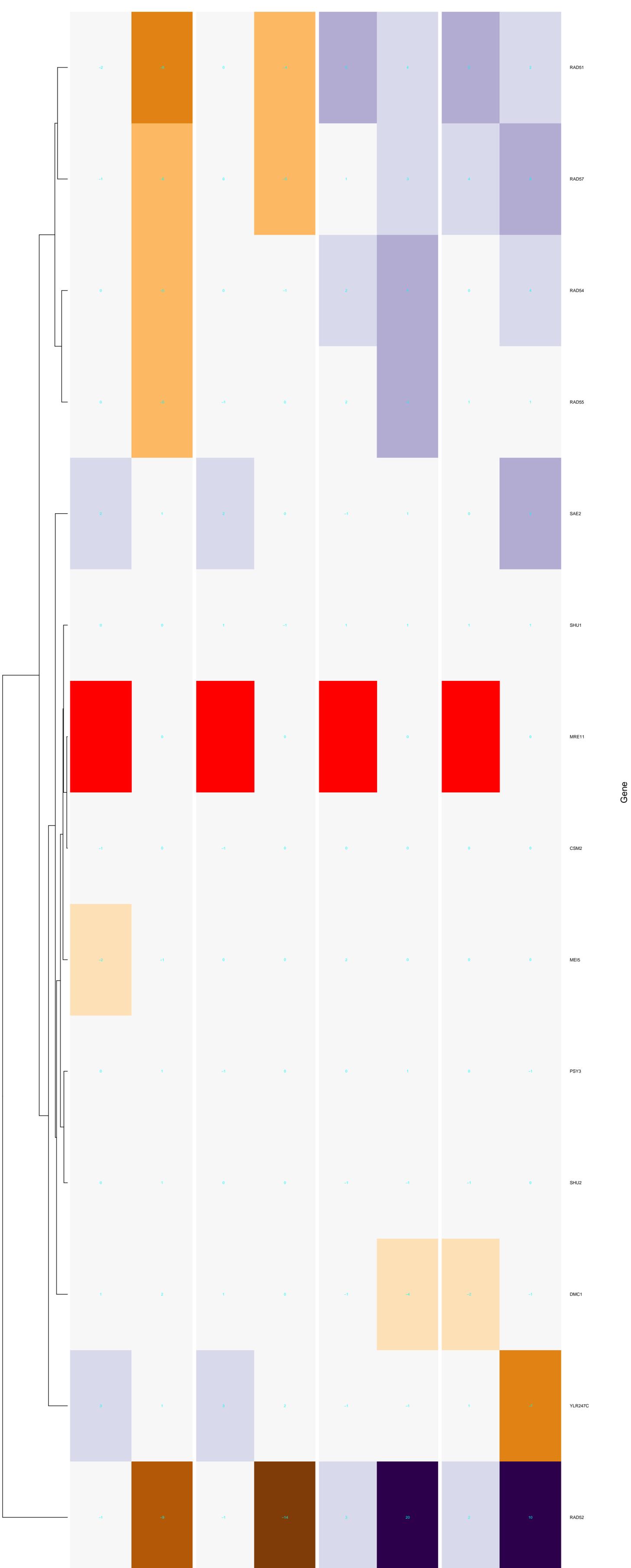
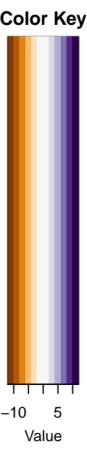
mitotic DNA replication initiation



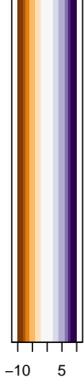
double-strand break repair via break-induced replication



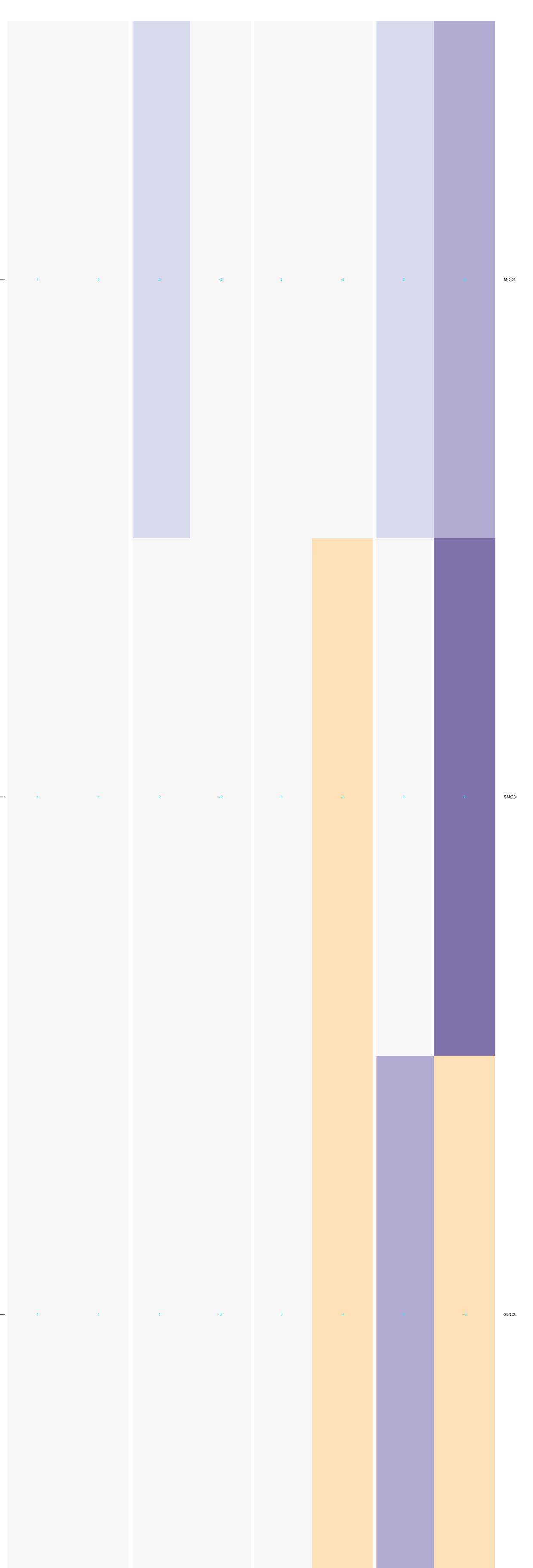
double-strand break repair via synthesis-dependent strand annealing



Color Key

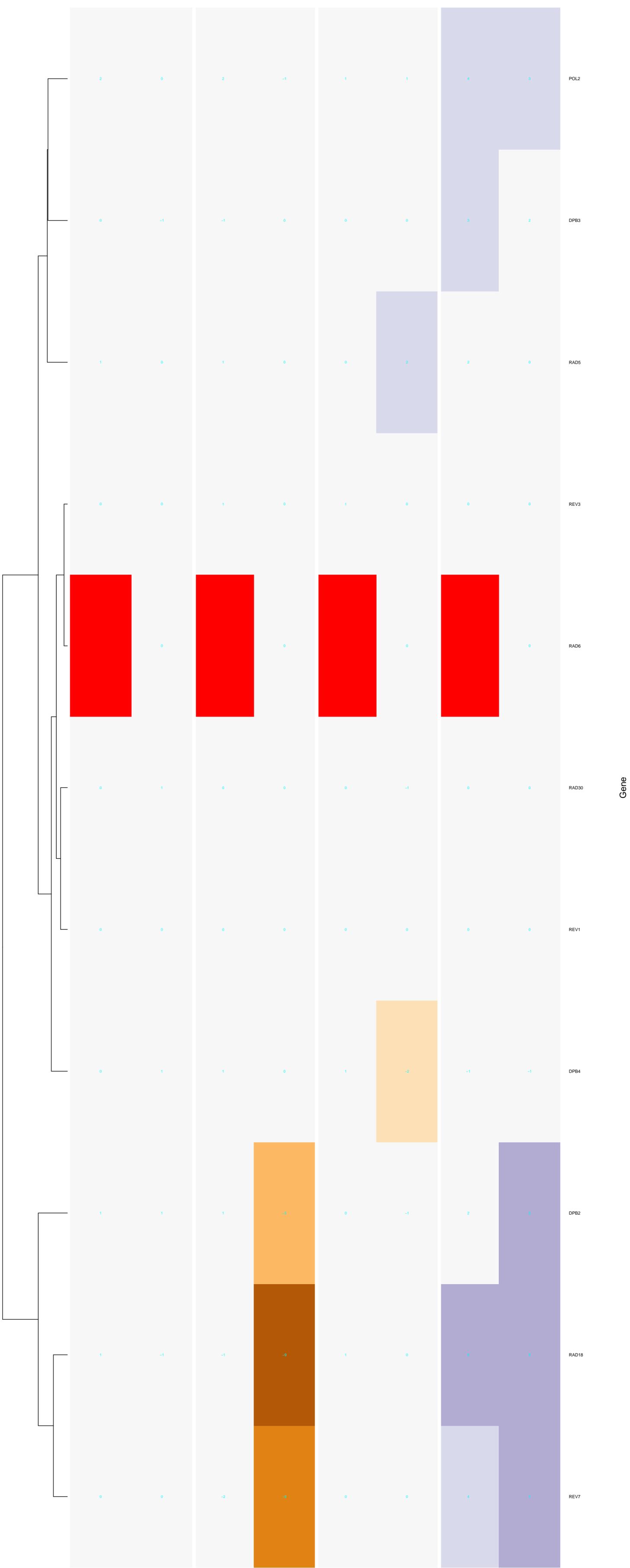
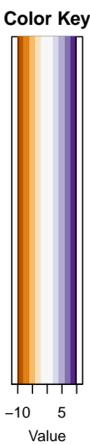


replication-born double-strand break repair via sister chromatid exchange

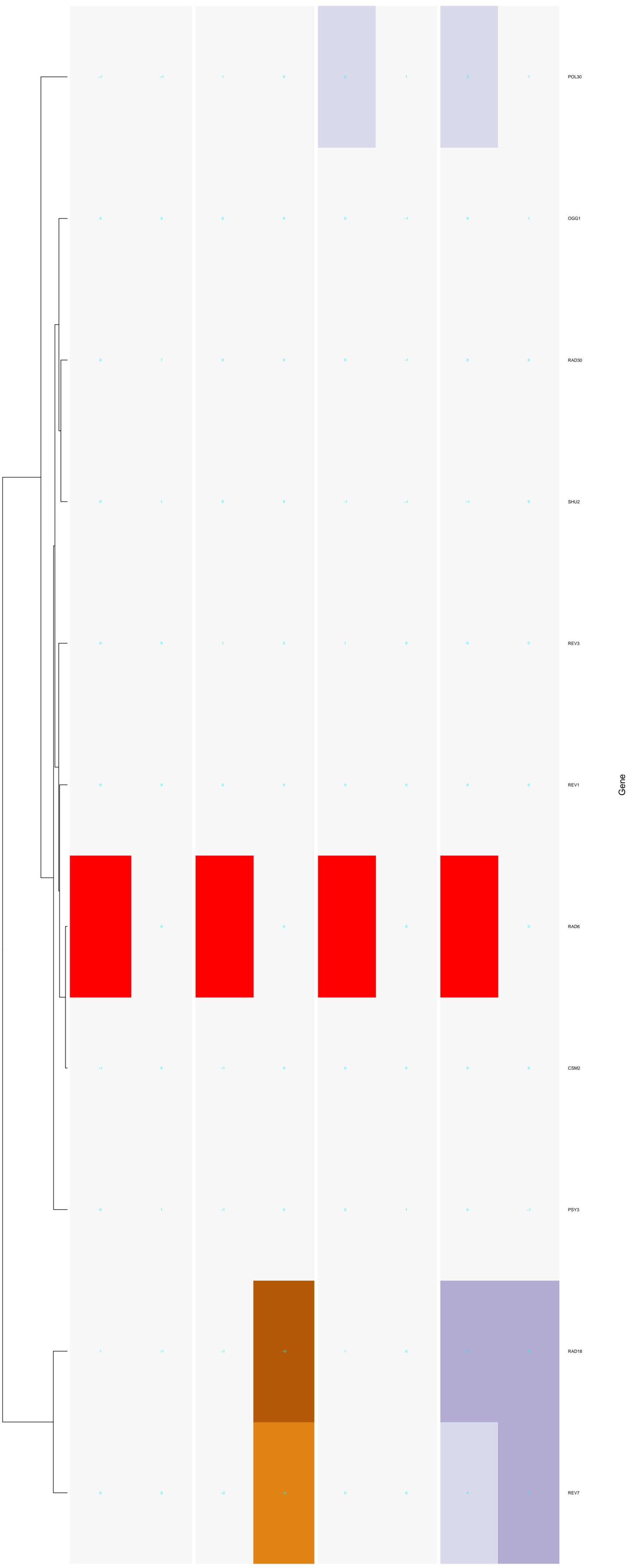
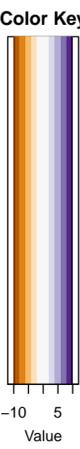


Gene

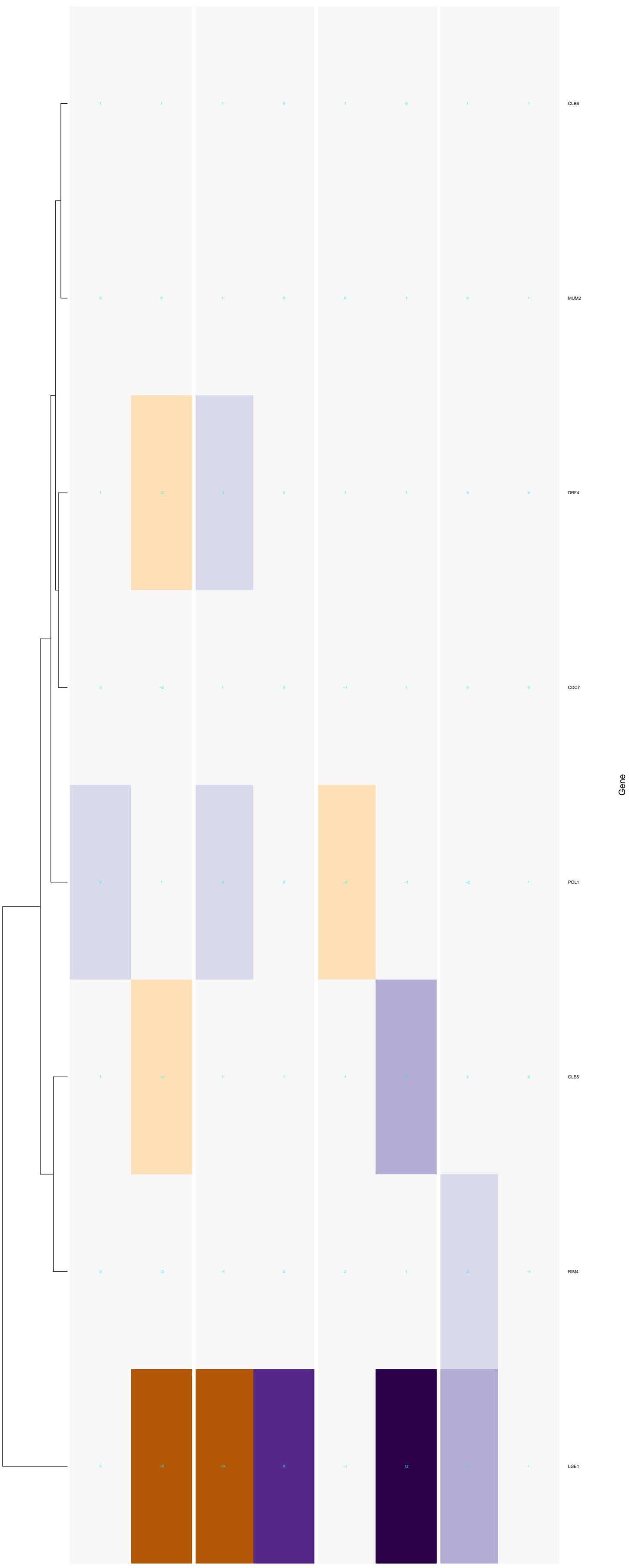
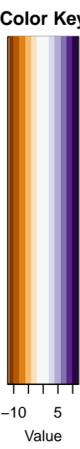
error-prone translesion synthesis



error-free translesion synthesis



premeiotic DNA replication



mitotic DNA replication

