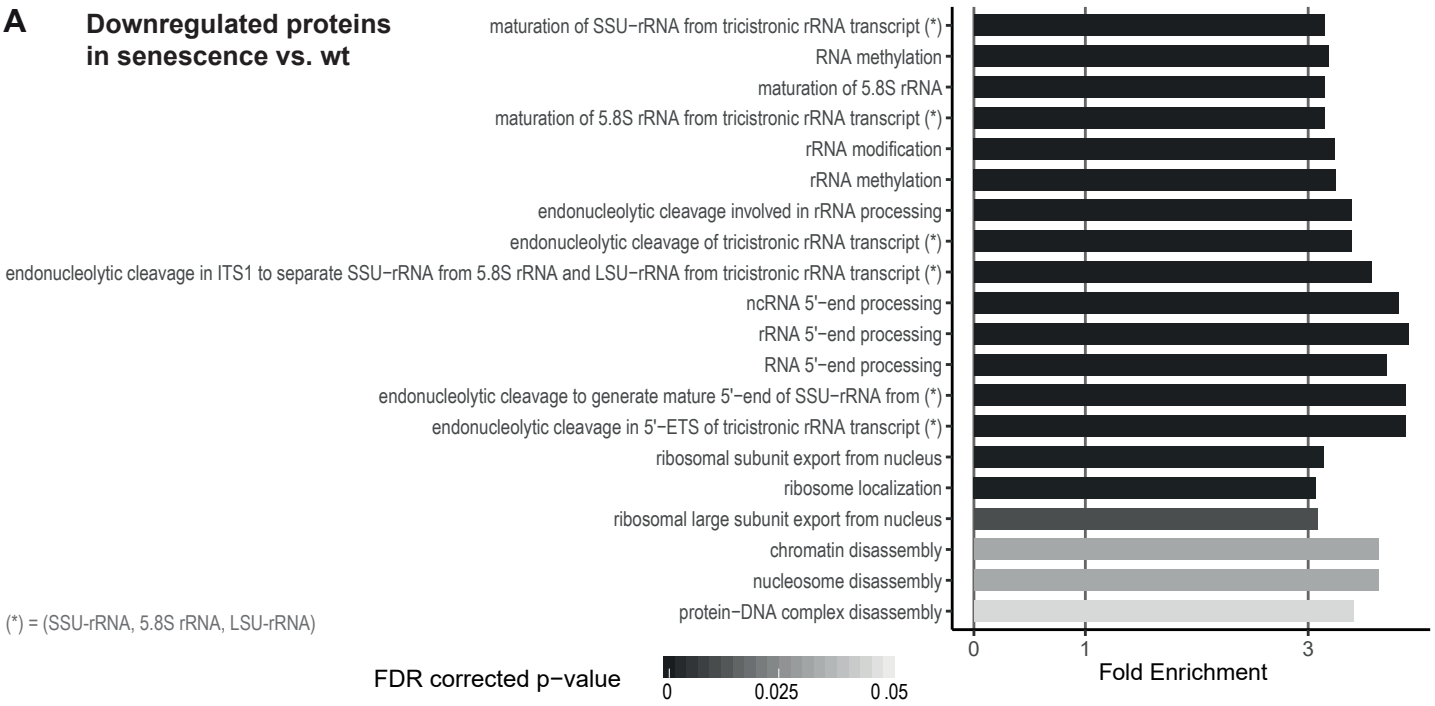
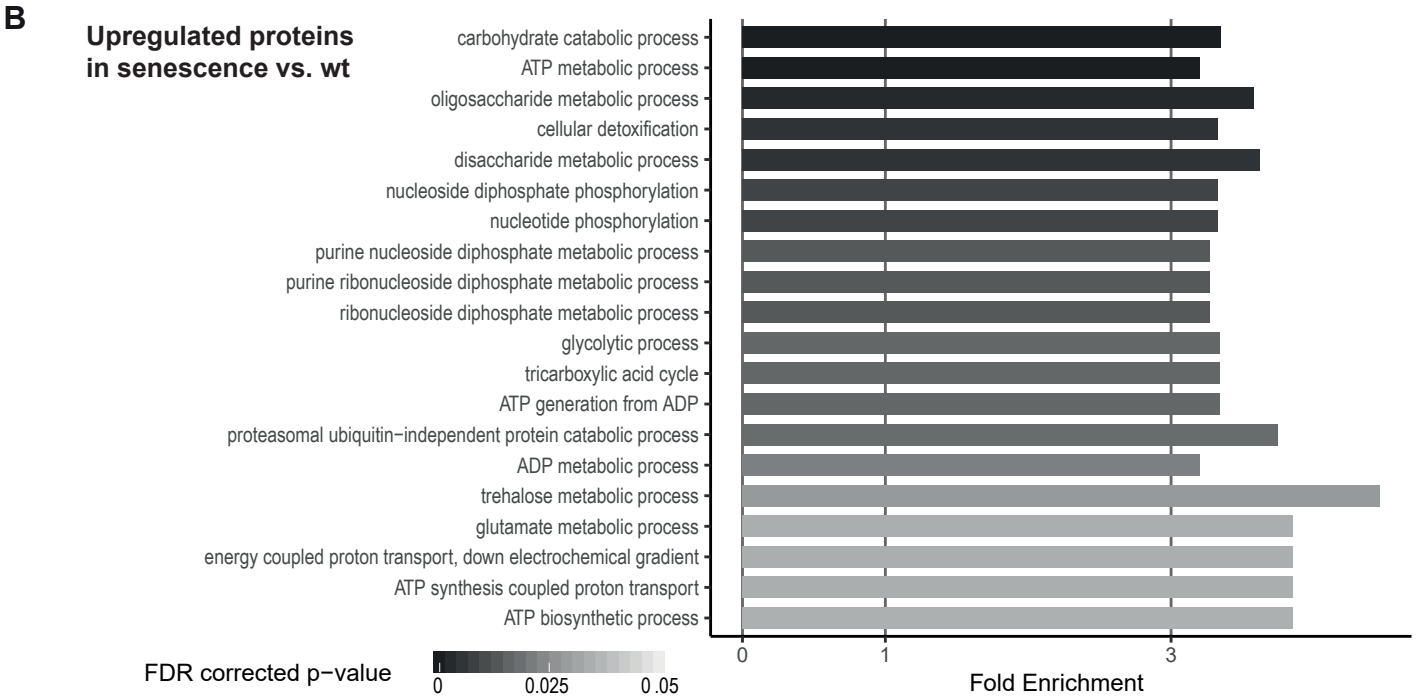
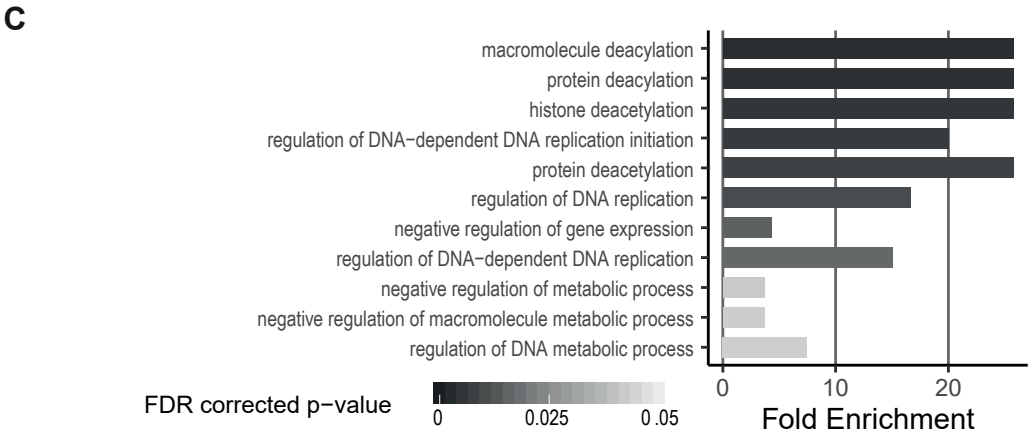

A
Downregulated proteins in senescence vs. wt
maturation of SSU−rRNA from tricistronic rRNA transcript (*)
RNA methylation
maturation of 5.8S rRNA
maturation of 5.8S rRNA from tricistronic rRNA transcript (*)
rRNA modification
rRNA methylation
endonucleolytic cleavage involved in rRNA processing
endonucleolytic cleavage of tricistronic rRNA transcript (*)
endonucleolytic cleavage in ITS1 to separate SSU−rRNA from 5.8S rRNA and LSU−rRNA from tricistronic rRNA transcript (*)
ncRNA 5'−end processing
rRNA 5'−end processing
RNA 5'−end processing
endonucleolytic cleavage to generate mature 5'−end of SSU−rRNA from (*)
endonucleolytic cleavage in 5'−ETS of tricistronic rRNA transcript (*)
ribosomal subunit export from nucleus
ribosome localization
ribosomal large subunit export from nucleus
chromatin disassembly
nucleosome disassembly
protein−DNA complex disassembly
(*) = (SSU-rRNA, 5.8S rRNA, LSU-rRNA)
0
1
3
Fold Enrichment
FDR corrected p−value
0
0.025
0.05


B
Upregulated proteins in senescence vs. wt
carbohydrate catabolic process
ATP metabolic process
oligosaccharide metabolic process
cellular detoxification
disaccharide metabolic process
nucleoside diphosphate phosphorylation
nucleotide phosphorylation
purine nucleoside diphosphate metabolic process
purine ribonucleoside diphosphate metabolic process
ribonucleoside diphosphate metabolic process
glycolytic process
tricarboxylic acid cycle
ATP generation from ADP
proteasomal ubiquitin−independent protein catabolic process
ADP metabolic process
trehalose metabolic process
glutamate metabolic process
energy coupled proton transport, down electrochemical gradient
ATP synthesis coupled proton transport
ATP biosynthetic process
0
1
3
Fold Enrichment
FDR corrected p−value
0
0.025
0.05


C
macromolecule deacylation
protein deacylation
histone deacetylation
regulation of DNA−dependent DNA replication initiation
protein deacetylation
regulation of DNA replication
negative regulation of gene expression
regulation of DNA−dependent DNA replication
negative regulation of metabolic process
negative regulation of macromolecule metabolic process
regulation of DNA metabolic process
0
10
20
Fold Enrichment
FDR corrected p−value
0
0.025
0.05