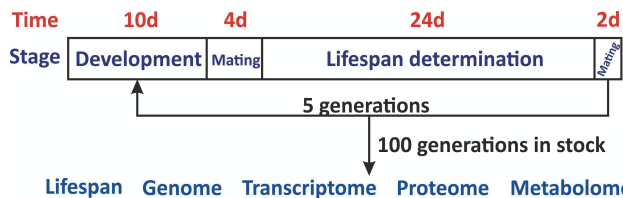


Shorter lifespan is associated with significant changes in transcriptome and proteome in *Drosophila*

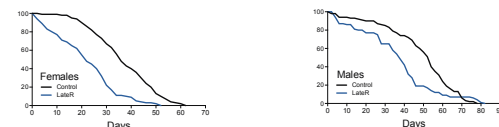
Oleh Lushchak

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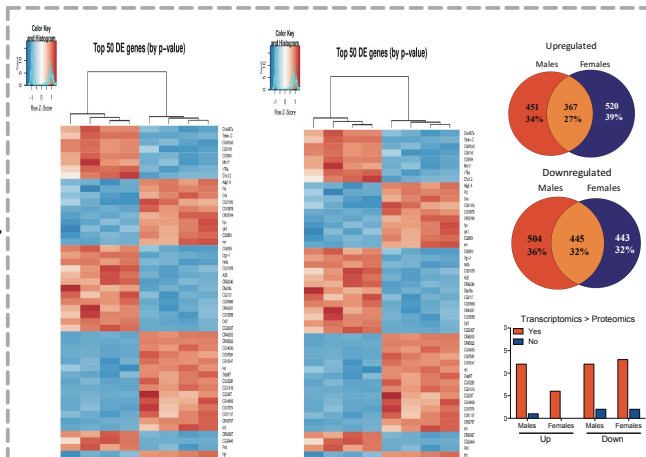
Design



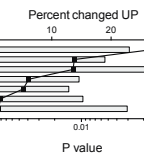
Lifespan



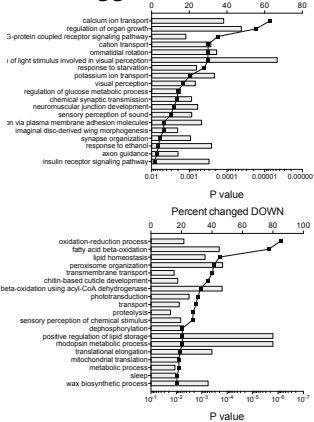
Transcriptome



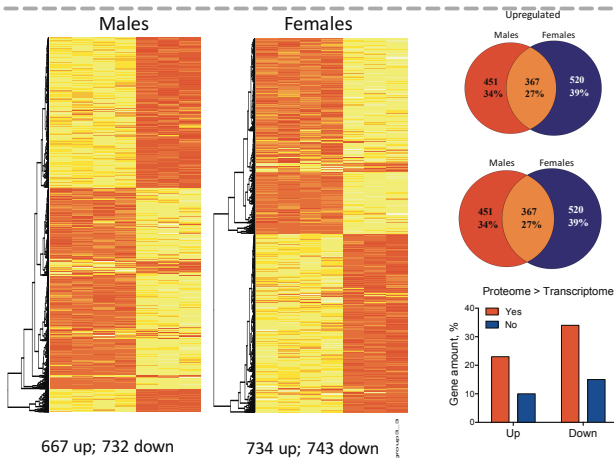
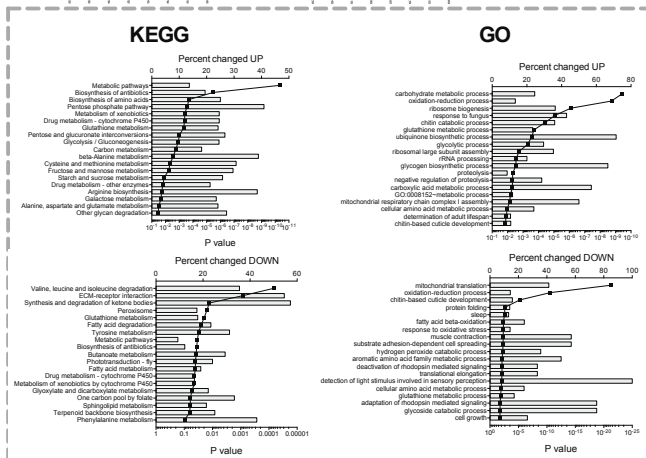
KEGG



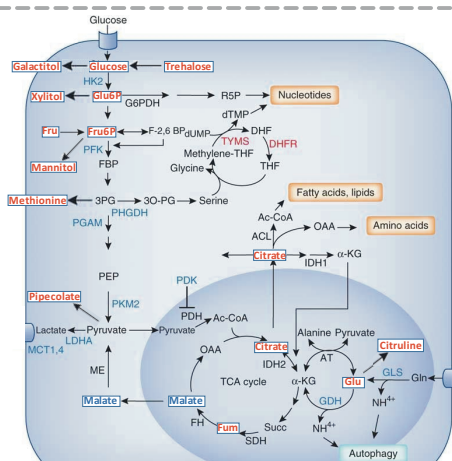
GO



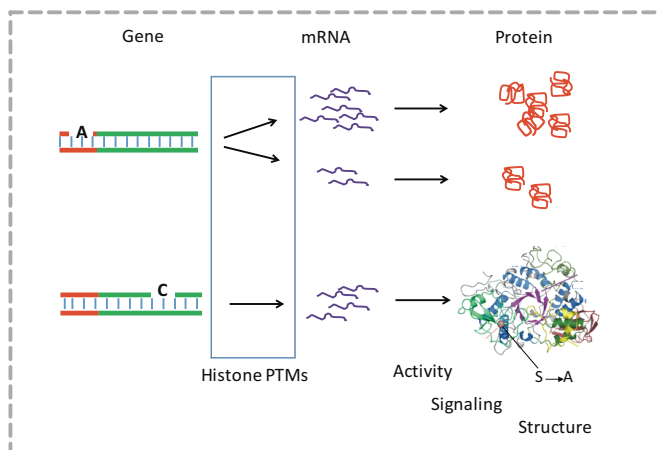
Proteome



Metabolome



Suggested mechanisms



Conclusion: Late reproduction for five generations induces dramatic changes in transcriptome, proteome and metabolome in offspring after 100 generations