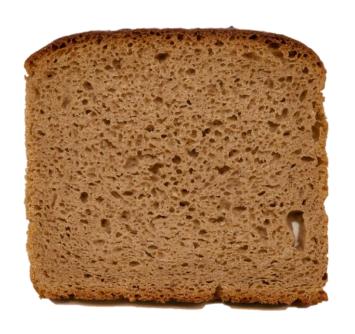
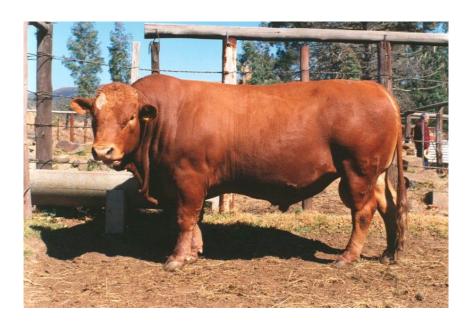
Matters of Life and Death: Why is Ageing Important for Wheat Grain Protein Content?

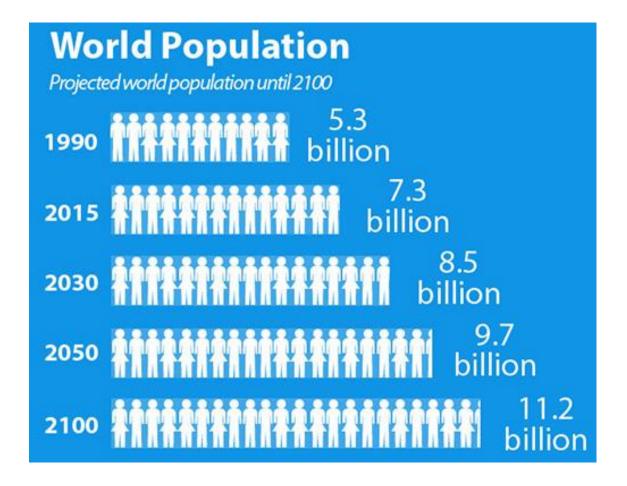




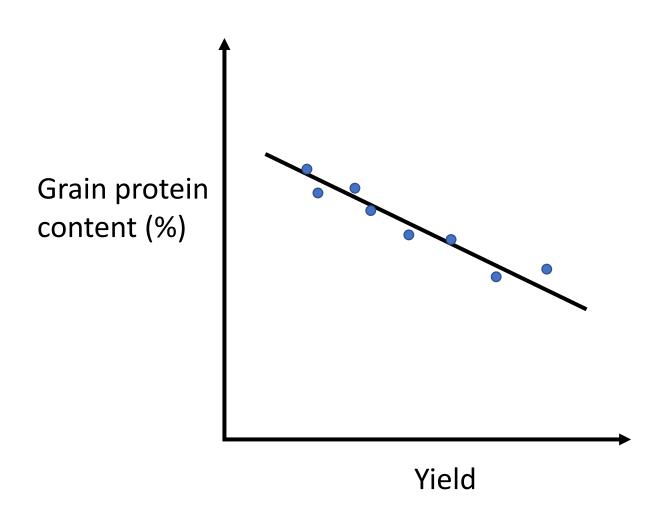






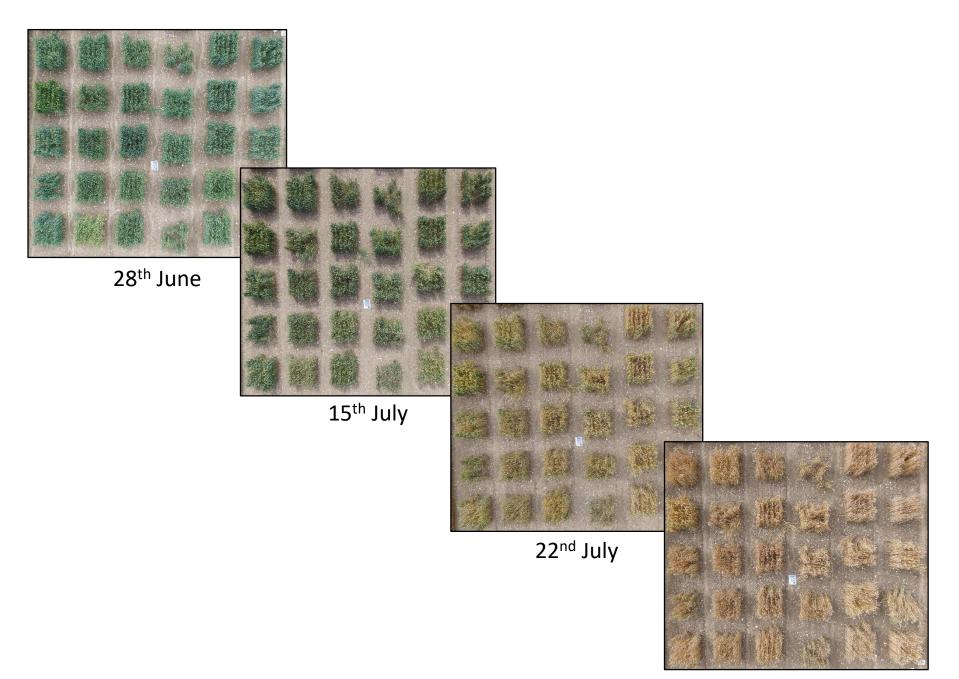


Grain protein content is inversely correlated with yield

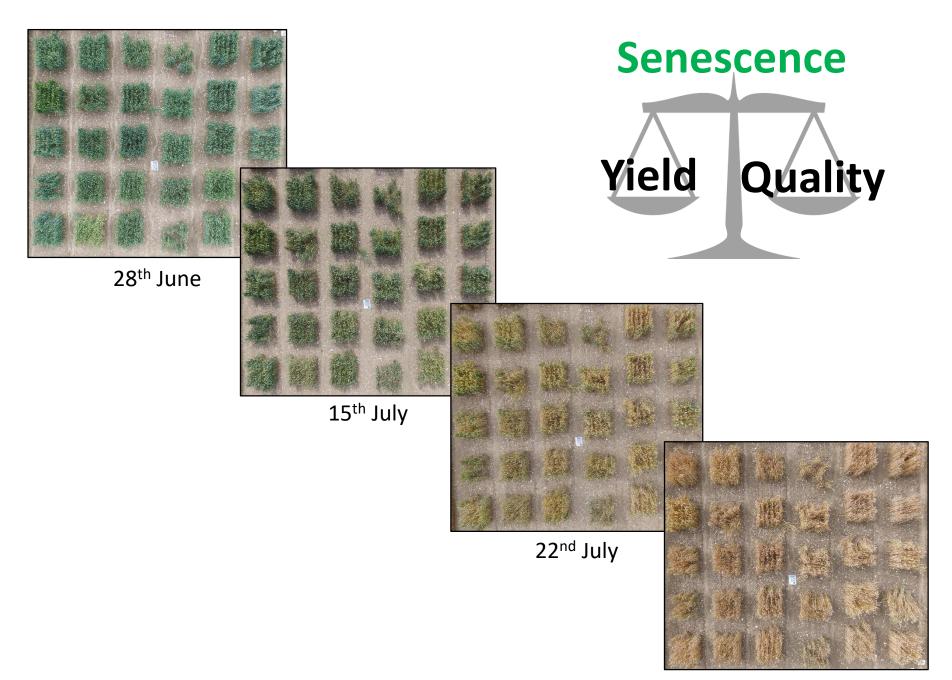






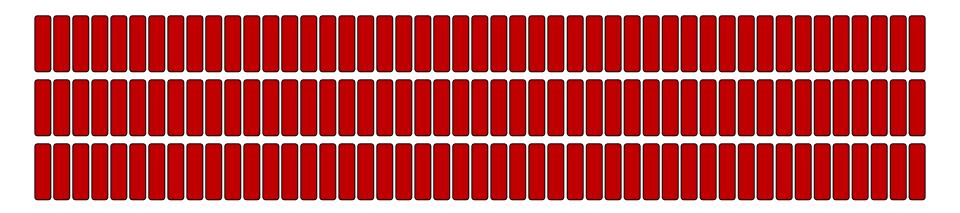


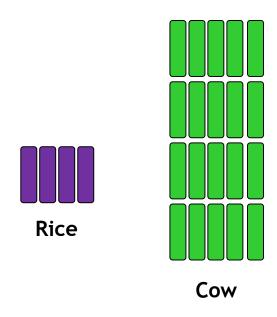
 $29^{th}\,July$

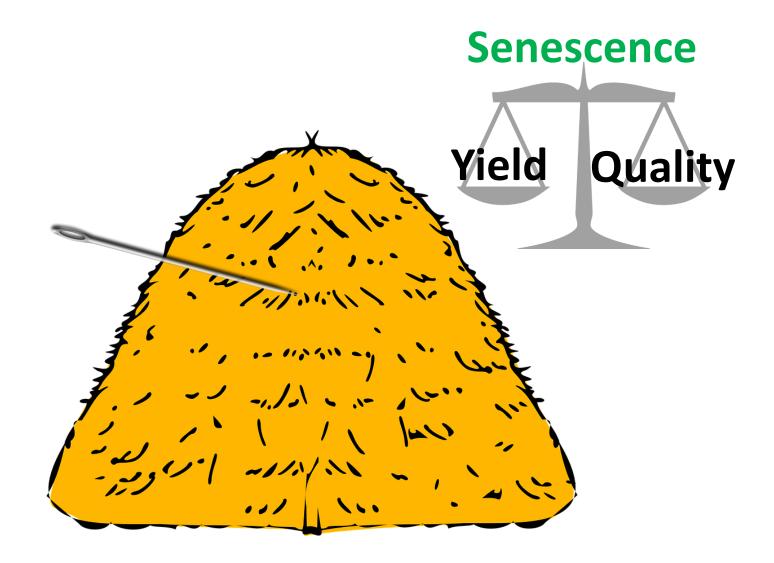


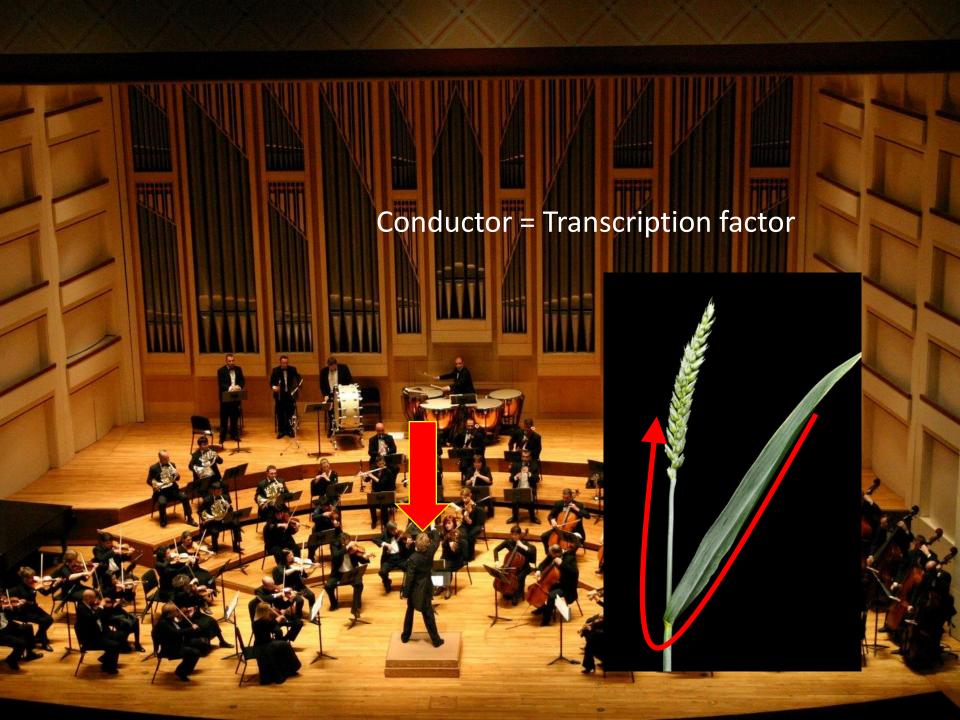
29th July

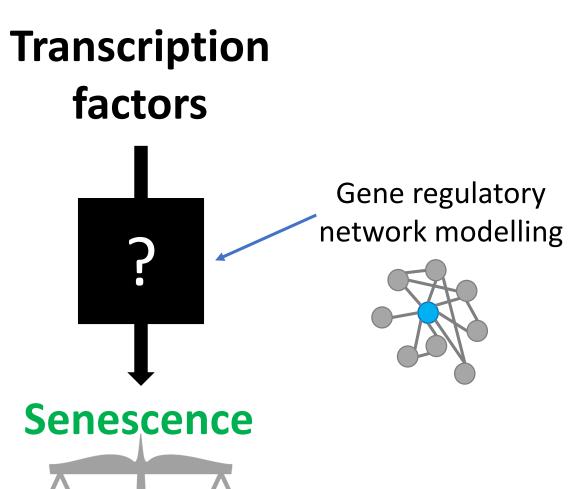
The Challenge of Wheat



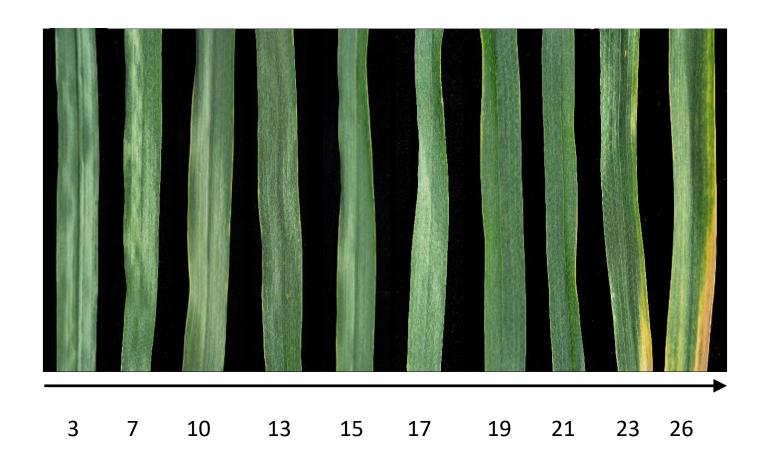






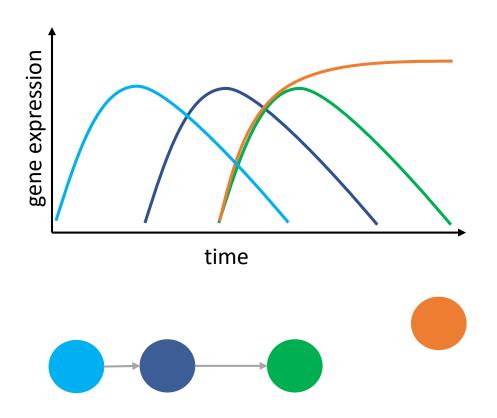




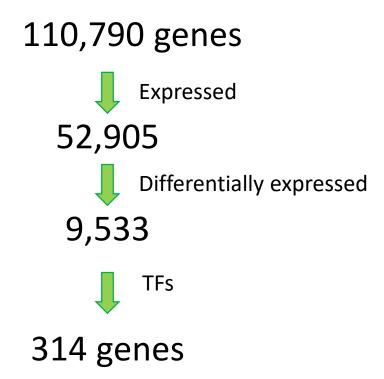


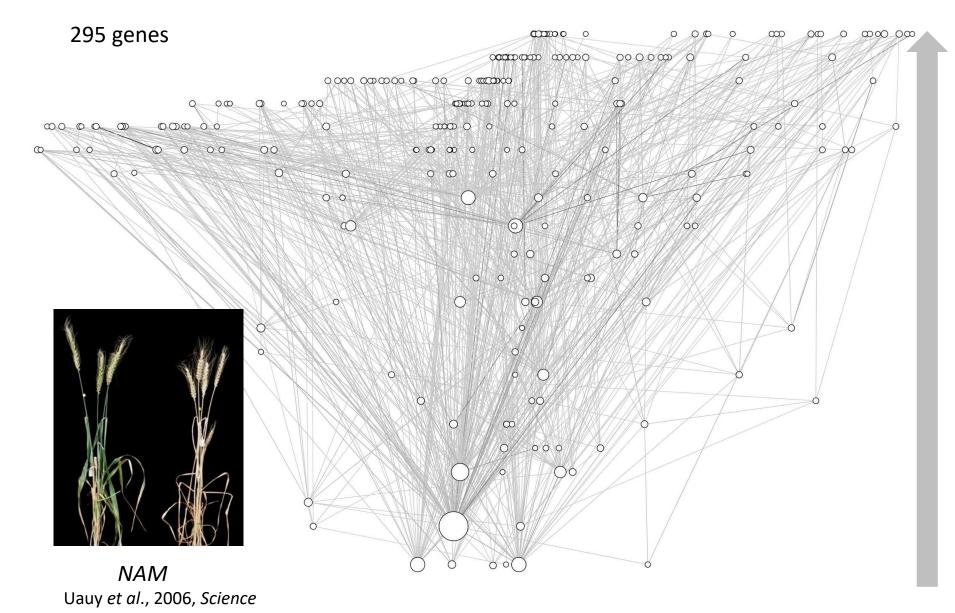
Days after flowering

Building a network model

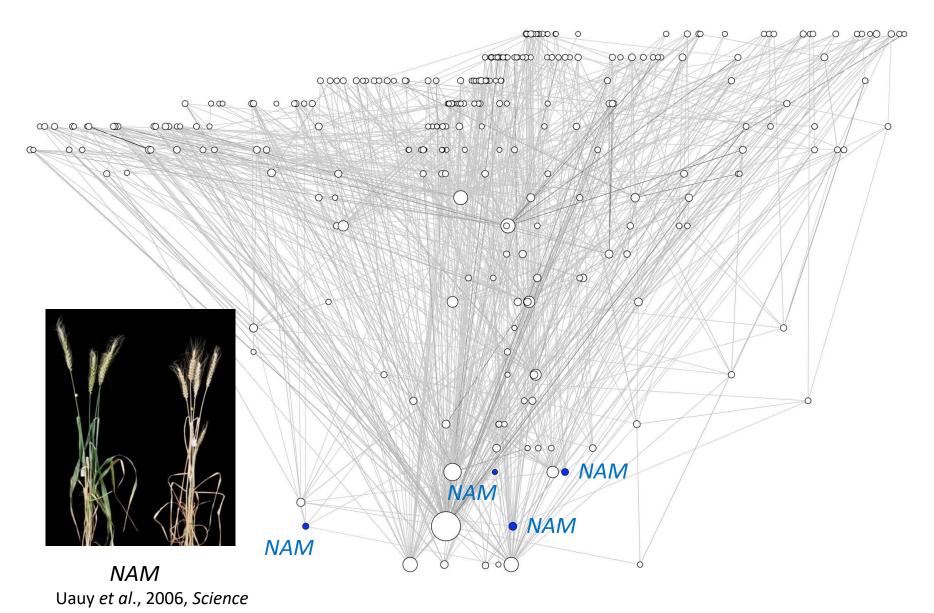


Need to reduce number of genes

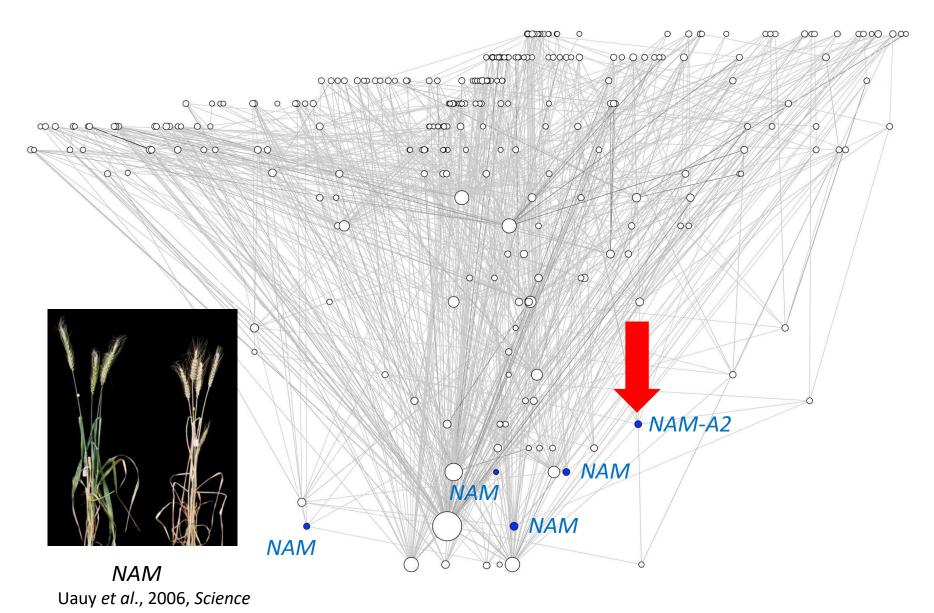




Borrill et al., 2019, Plant Physiol.



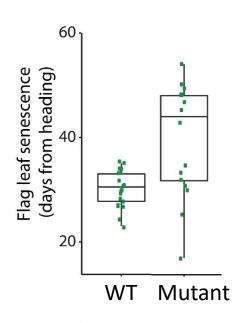
Borrill et al., 2019, Plant Physiol.

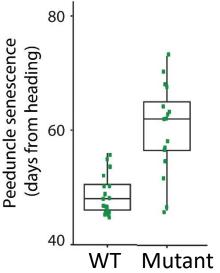


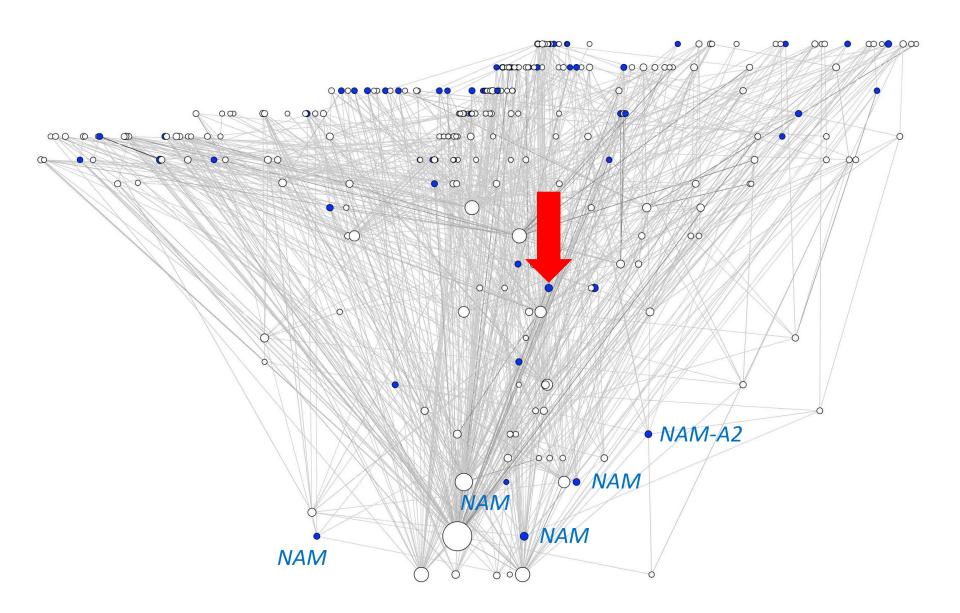
Borrill et al., 2019, Plant Physiol.

Senescence is delayed in NAM-2 mutant



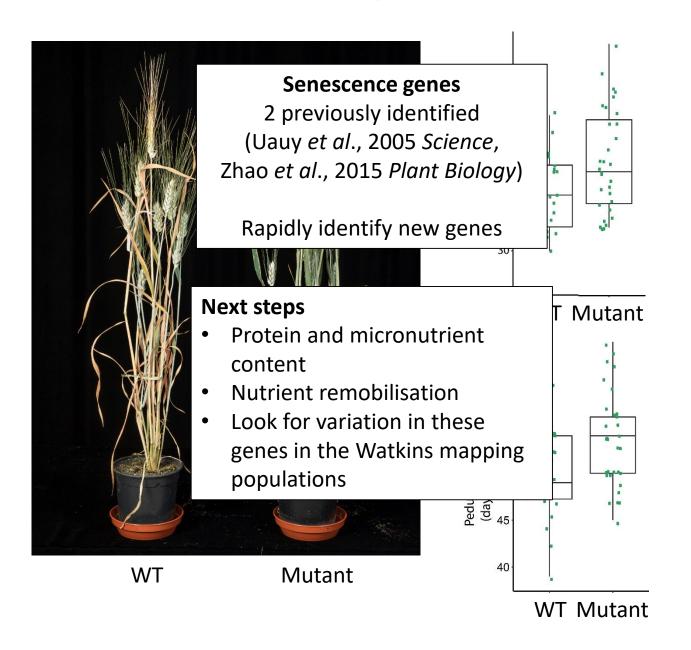


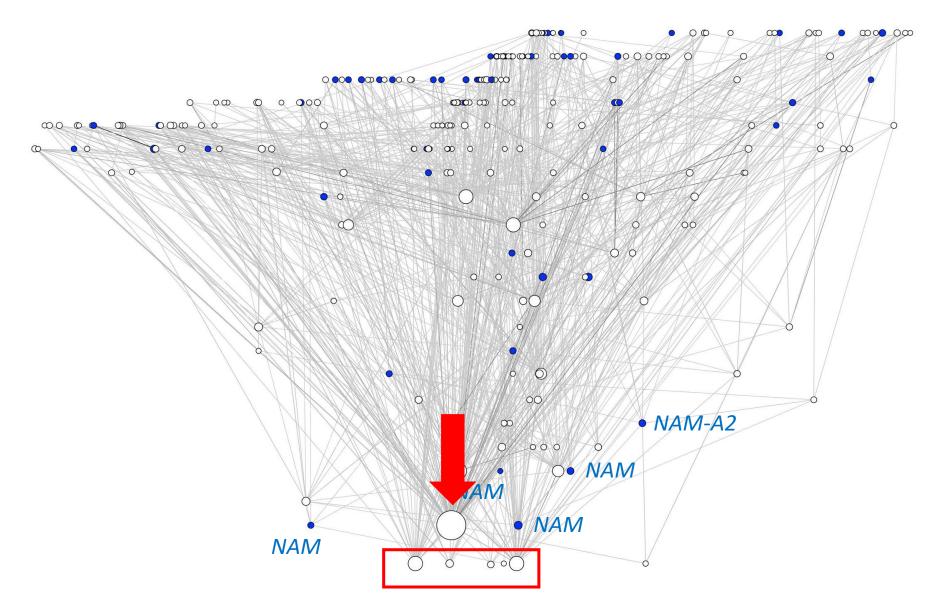




Borrill et al., 2019, Plant Physiol.

Senescence is delayed in another NAC



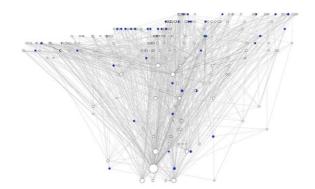


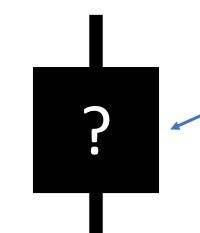
Borrill et al., 2019, Plant Physiol.

Transcription

Identified 2 transcription factors







Gene regulatory network modelling





Senescence



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