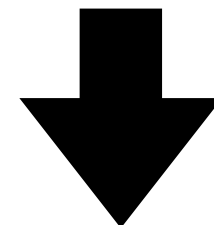
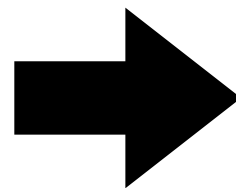
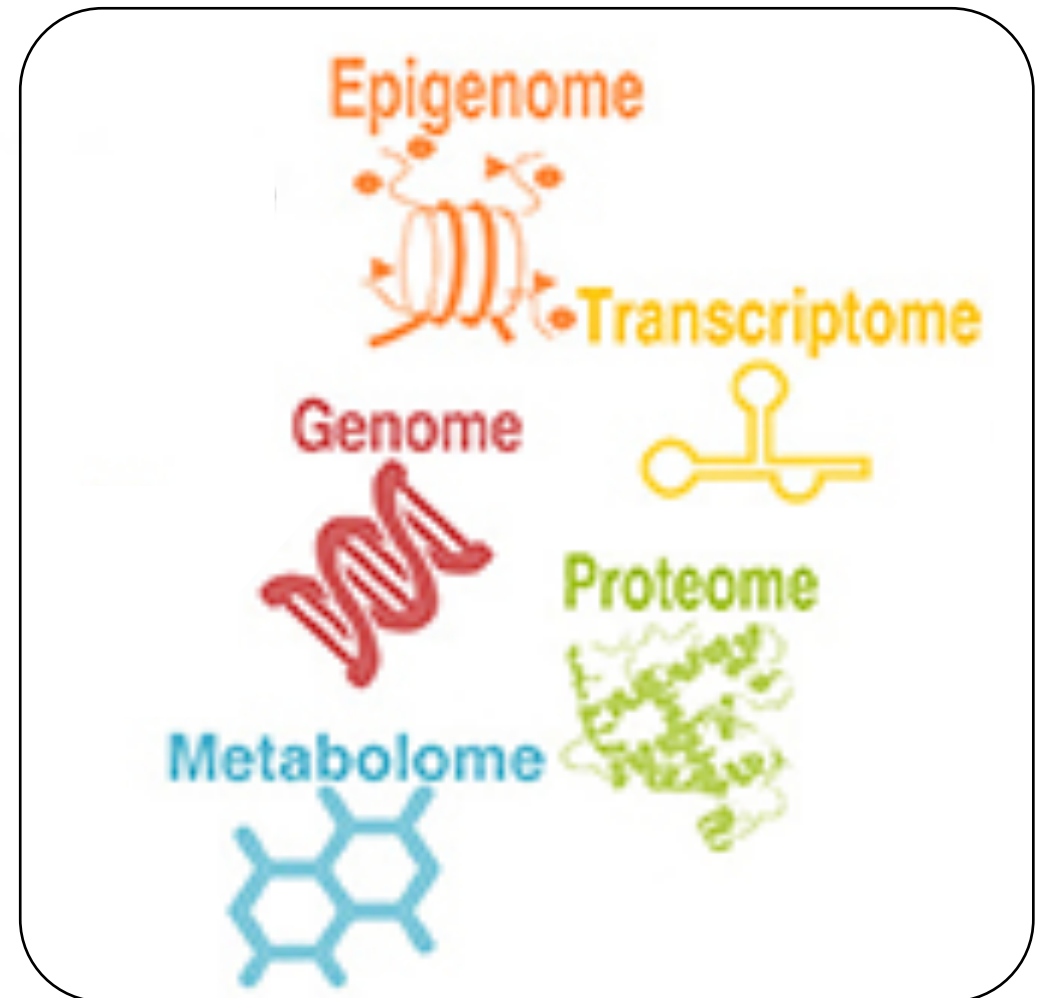


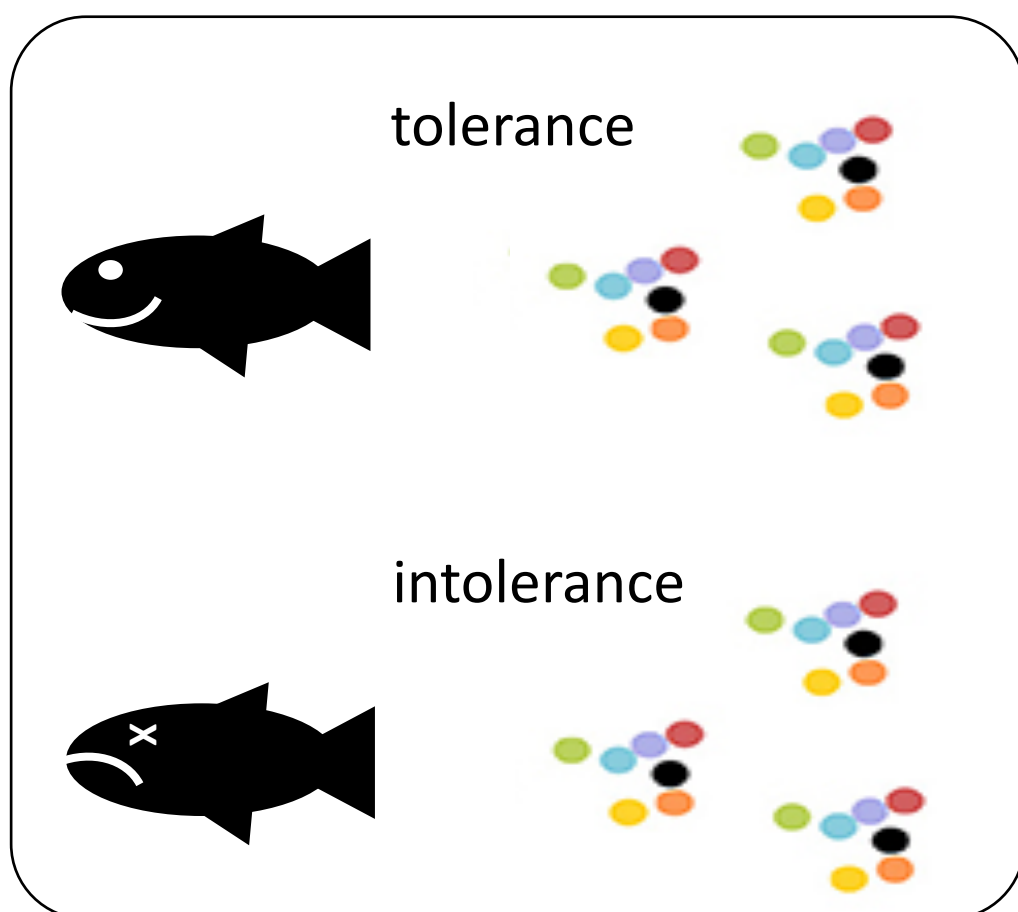
Environmental change



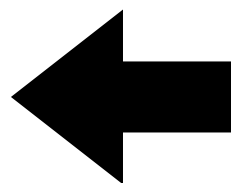
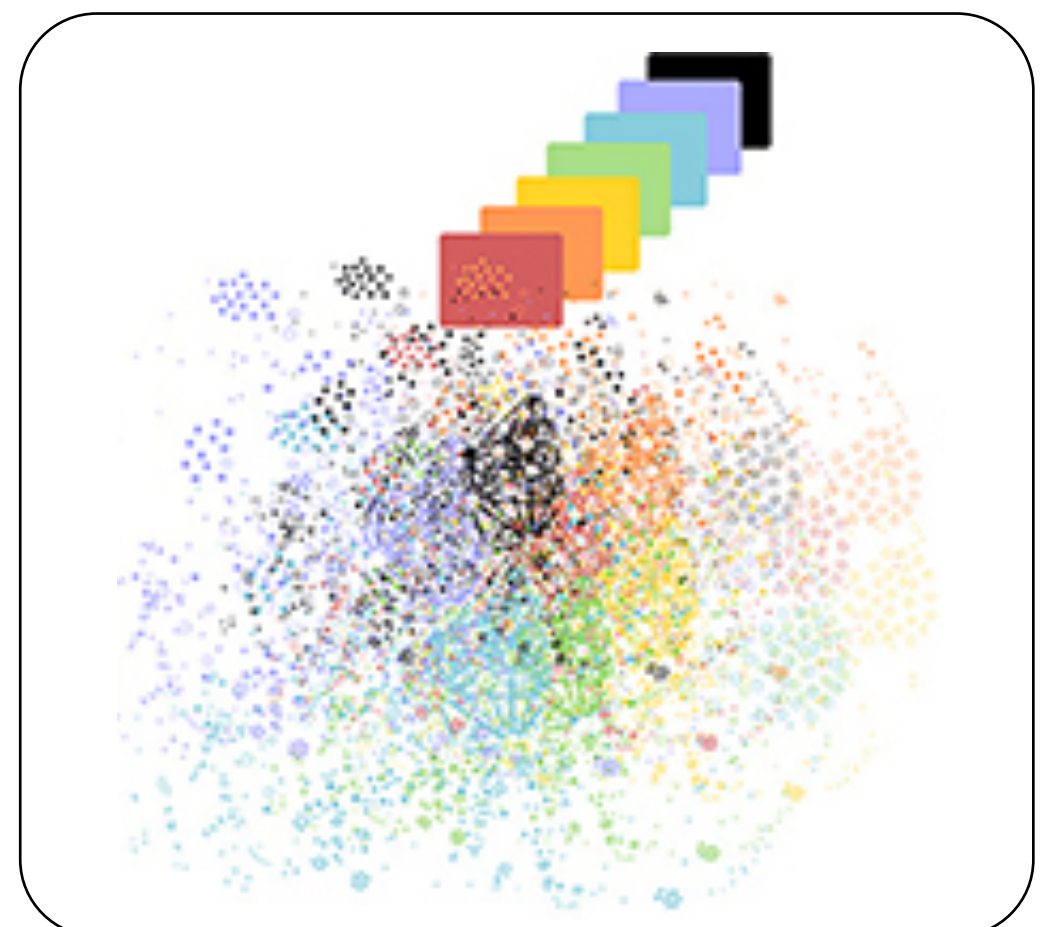
Molecular surveys



Signatures



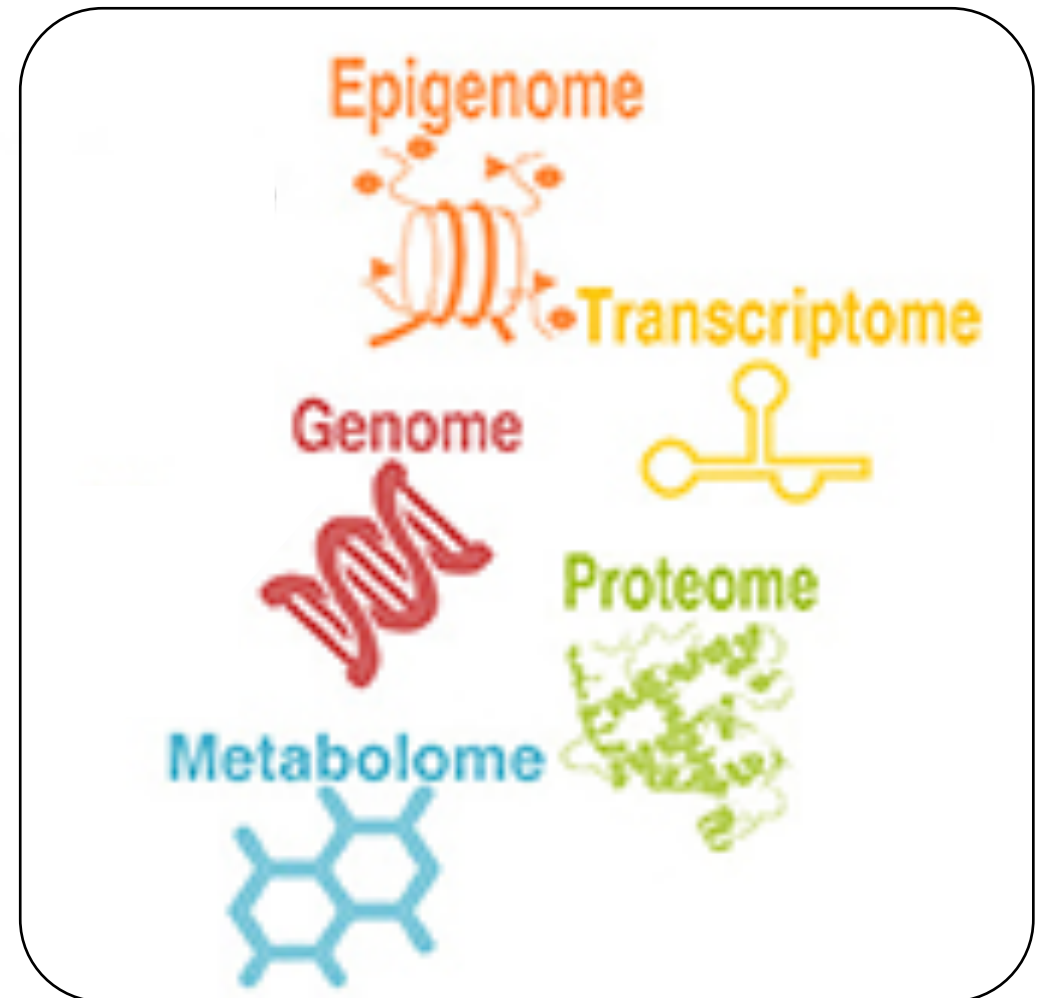
Data integration



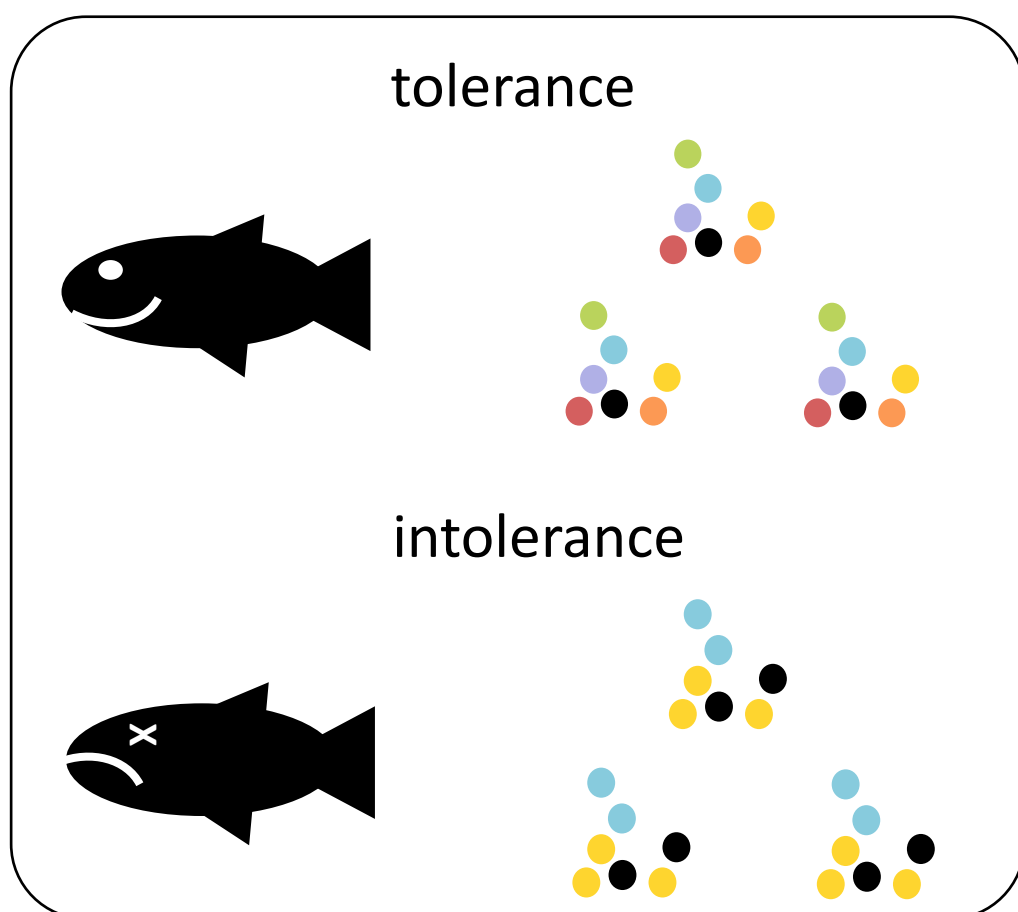
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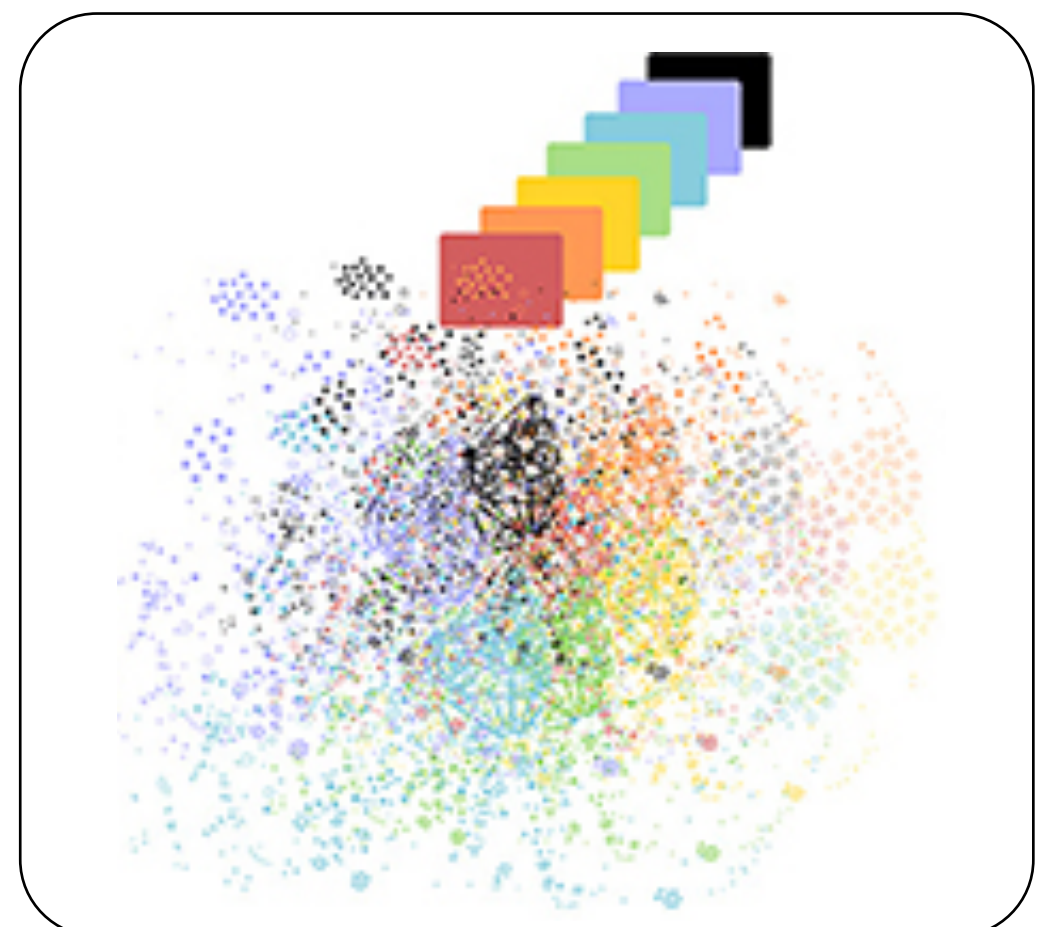
Molecular surveys



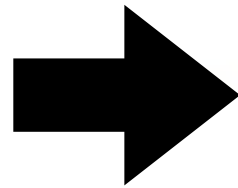
Signatures



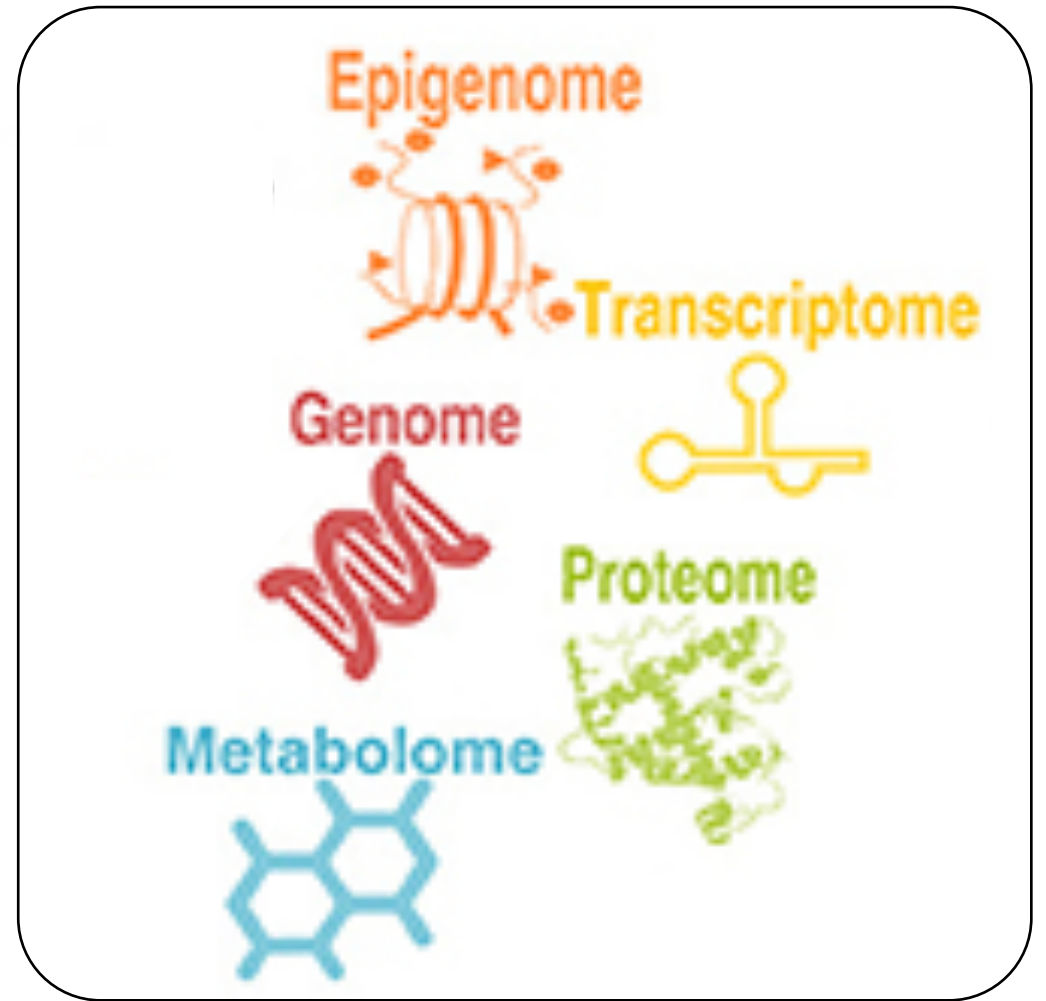
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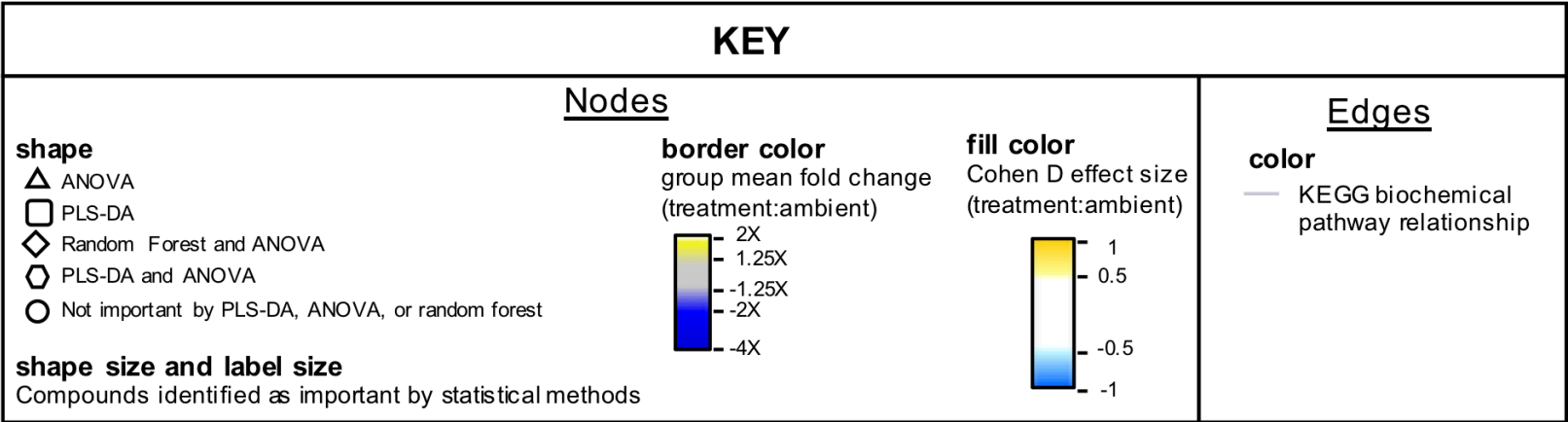
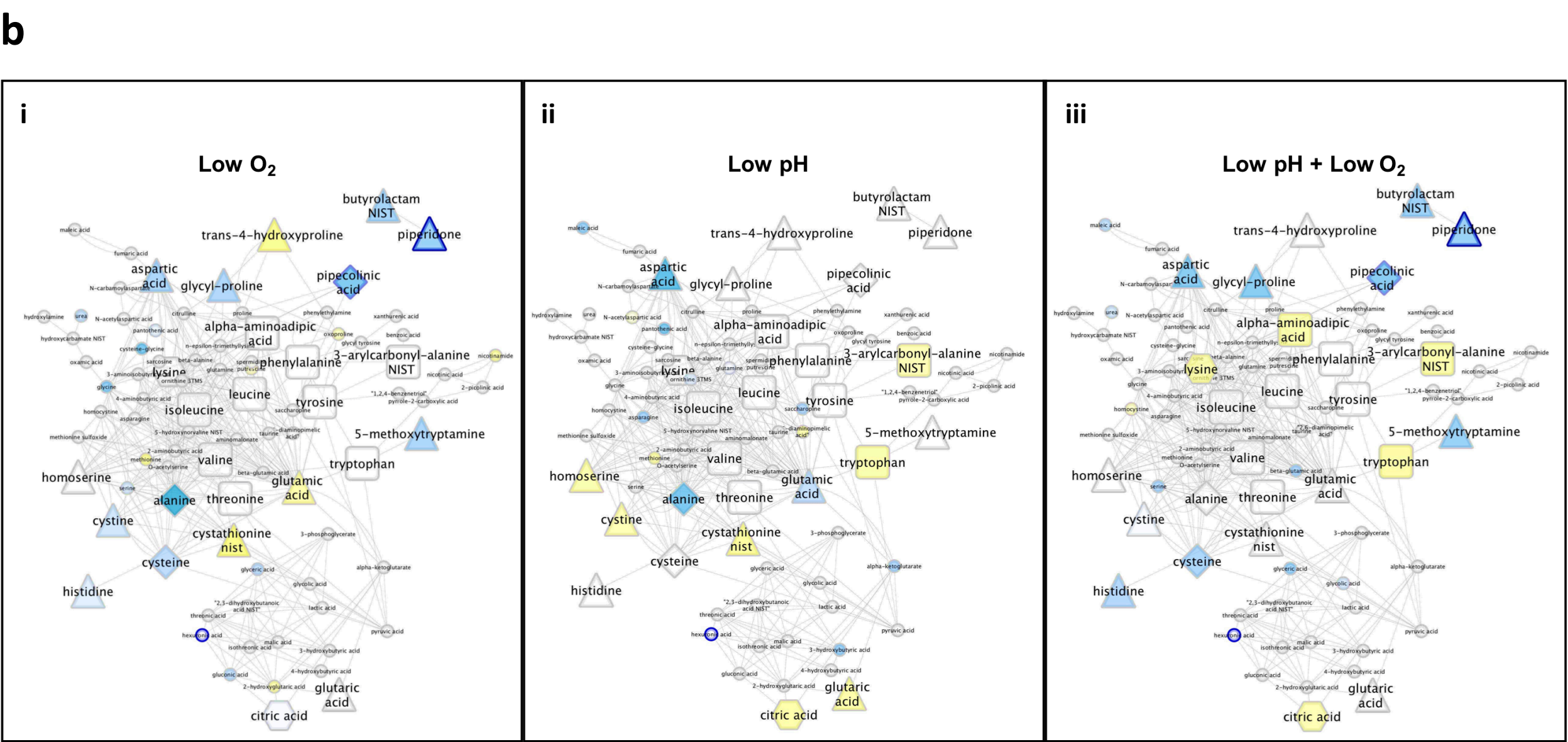
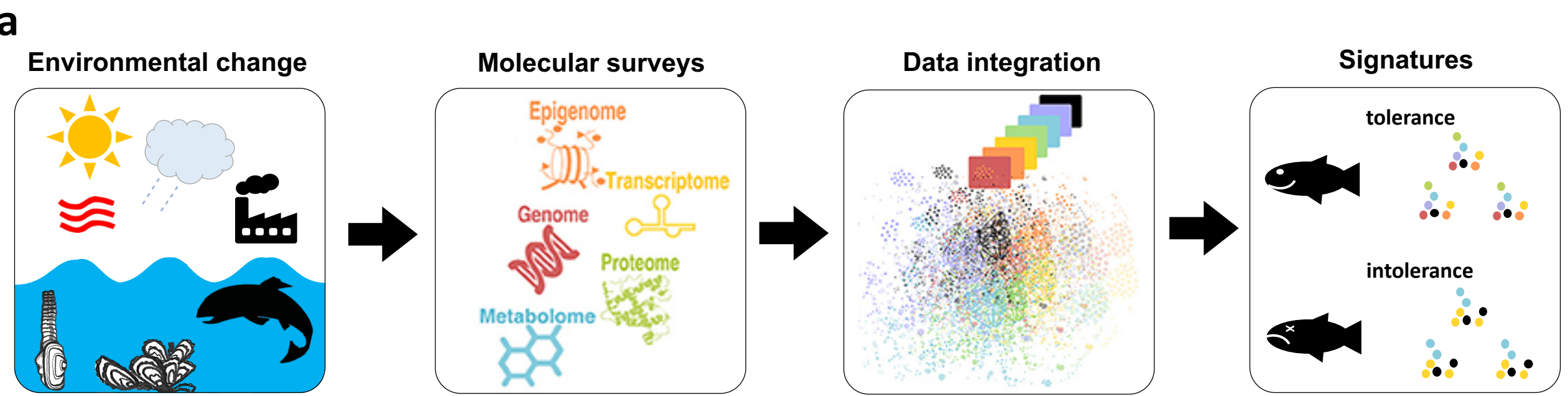


Environmental change

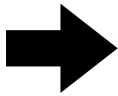


Molecular surveys

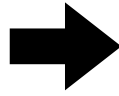
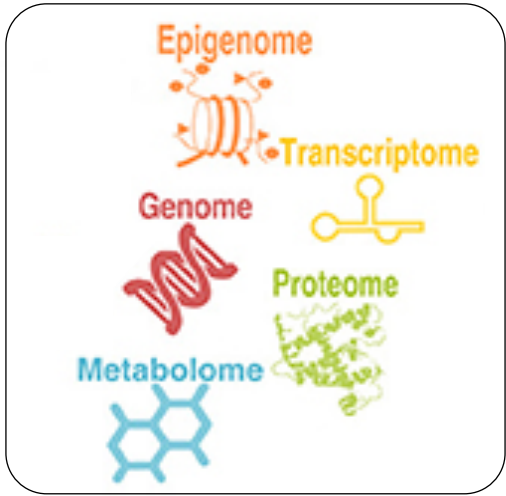




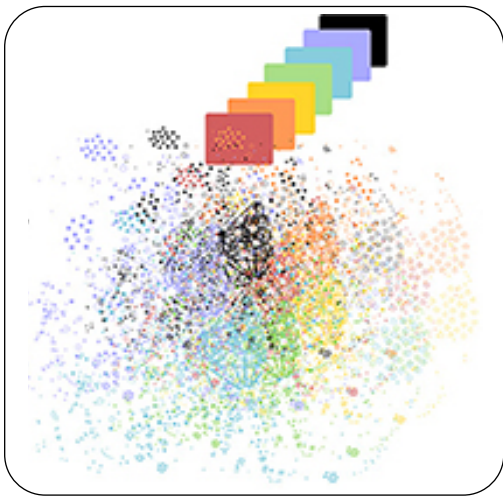
**Environmental change
pathogen exposure**



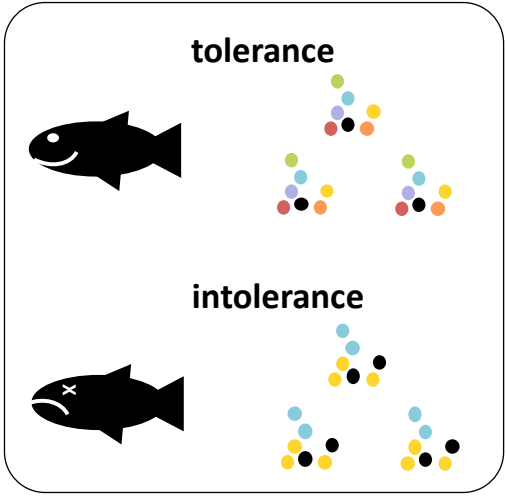
Molecular surveys



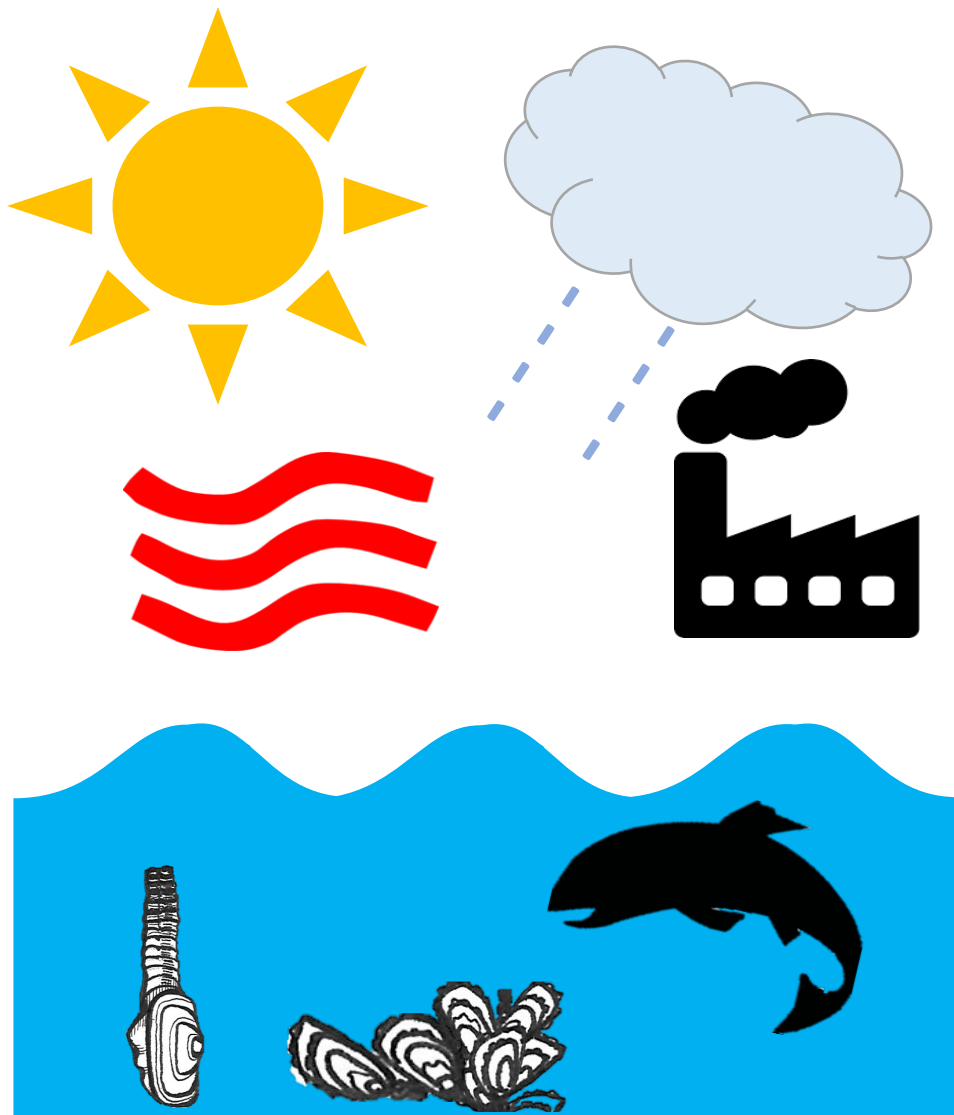
Data integration



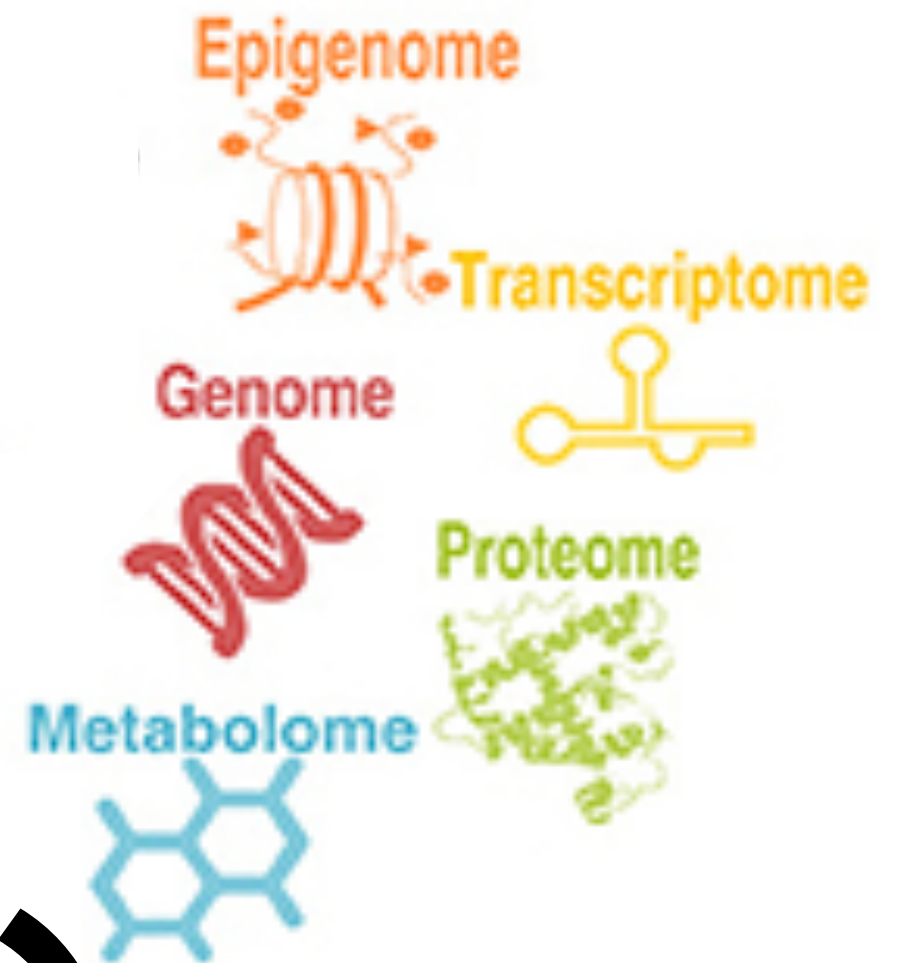
Biomarkers



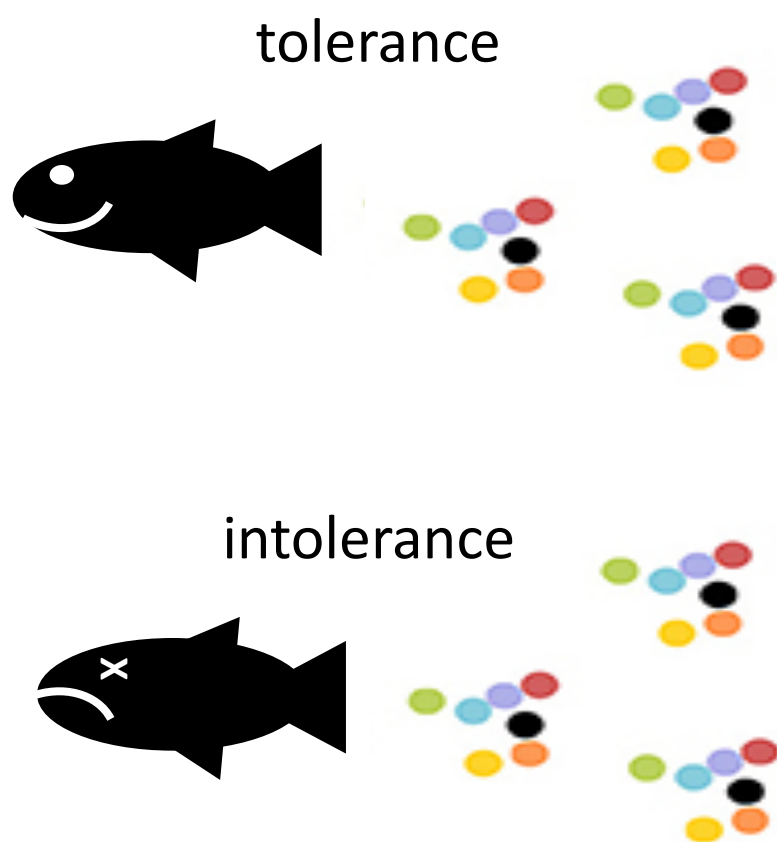
Environmental change



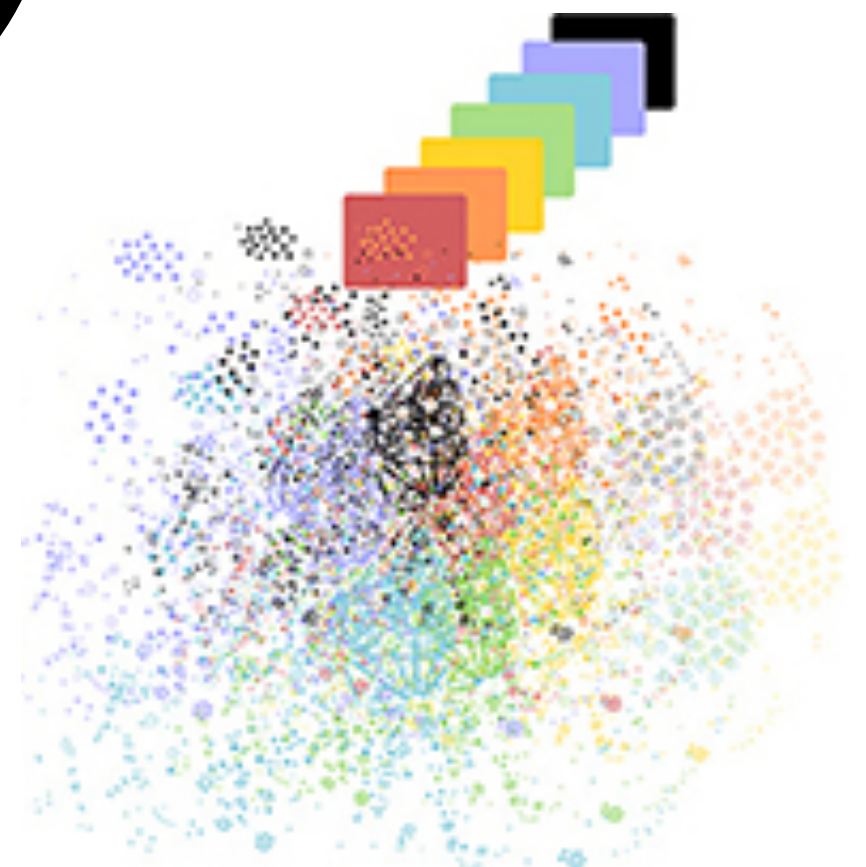
Molecular surveys

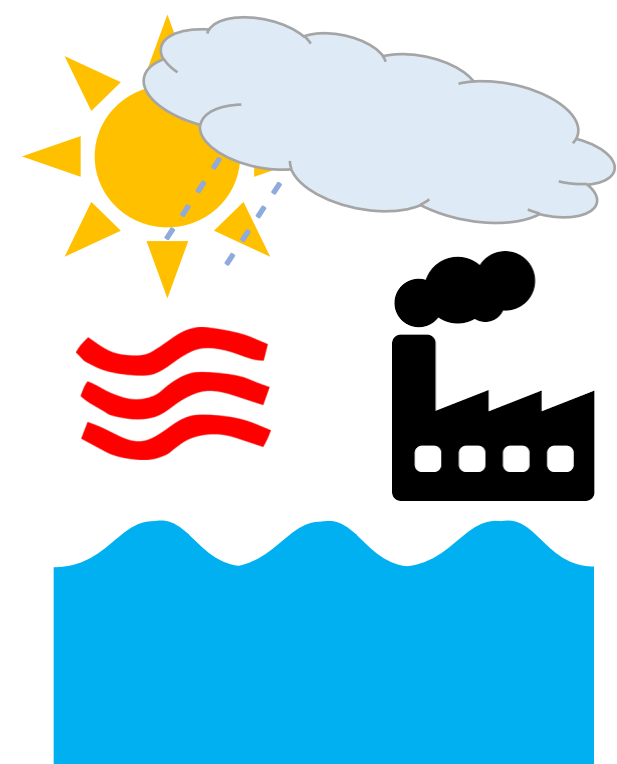


Signatures



Data integration

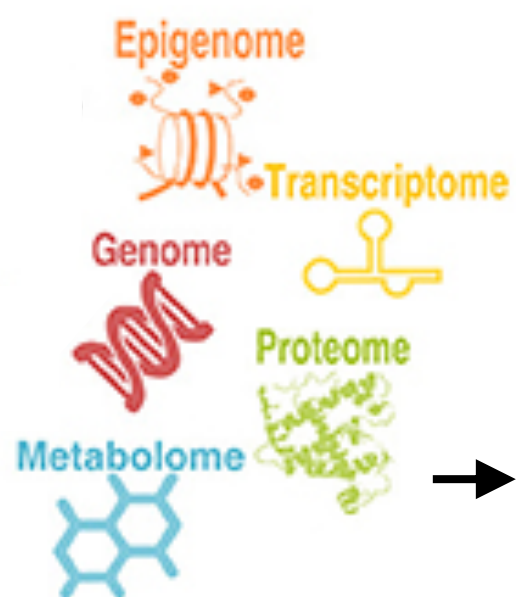




Environmental
change



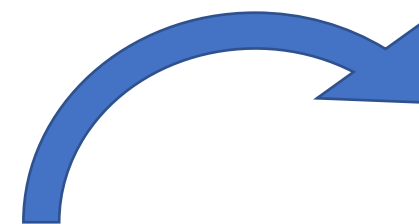
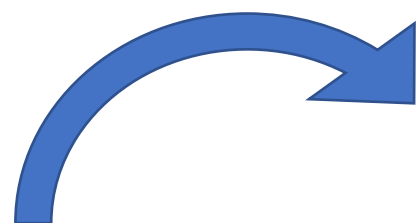
Molecular surveys

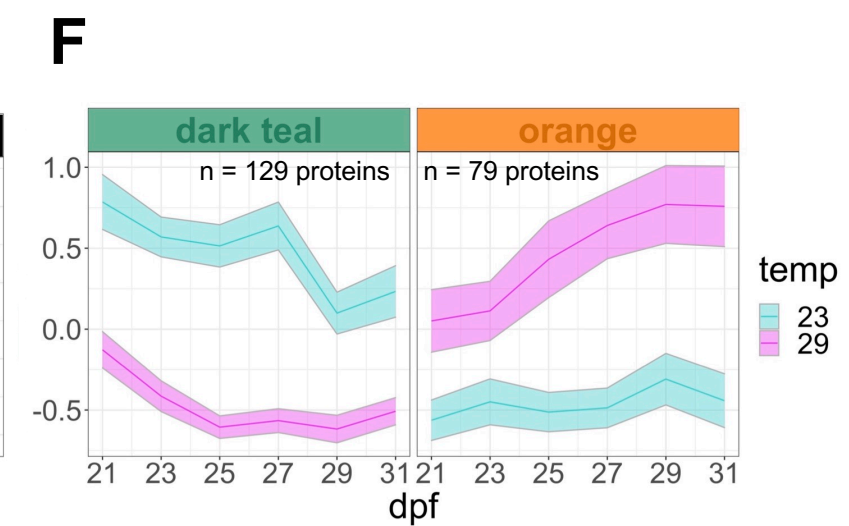
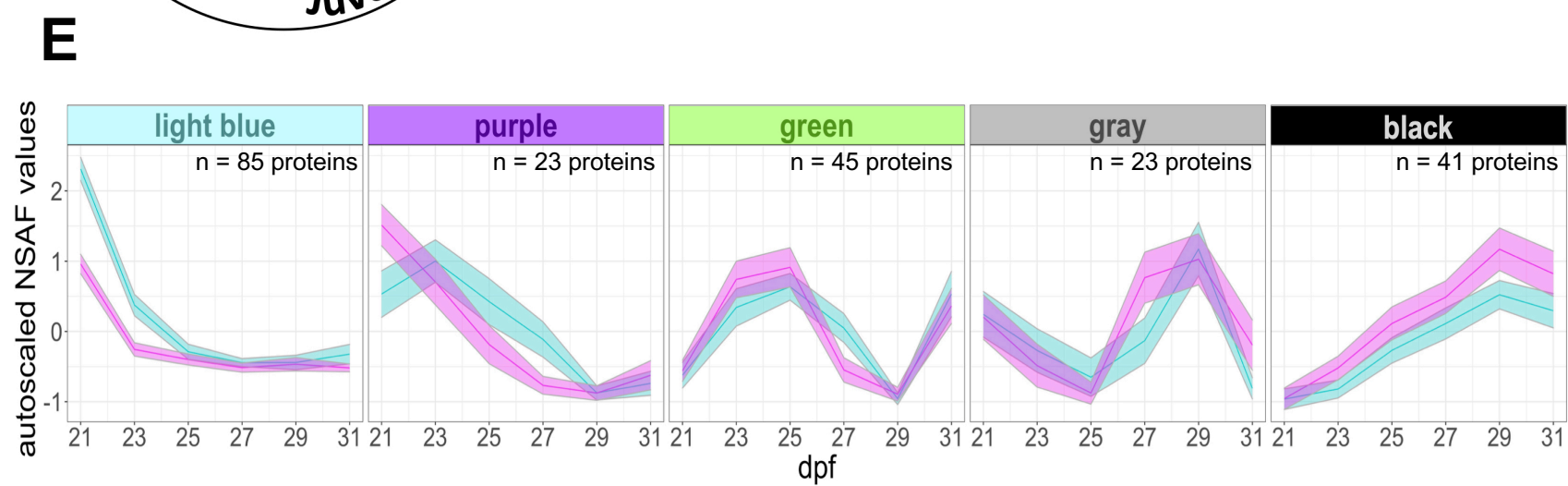
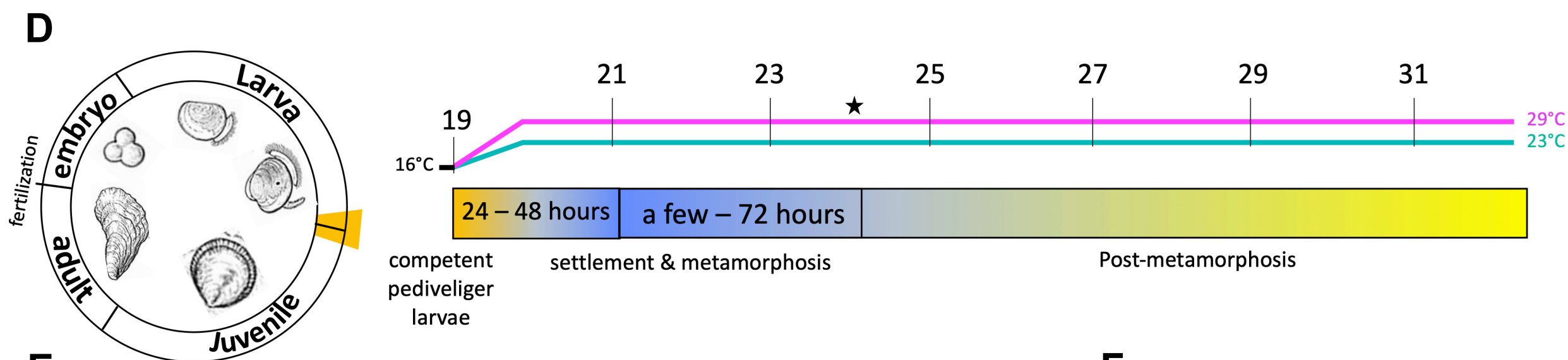
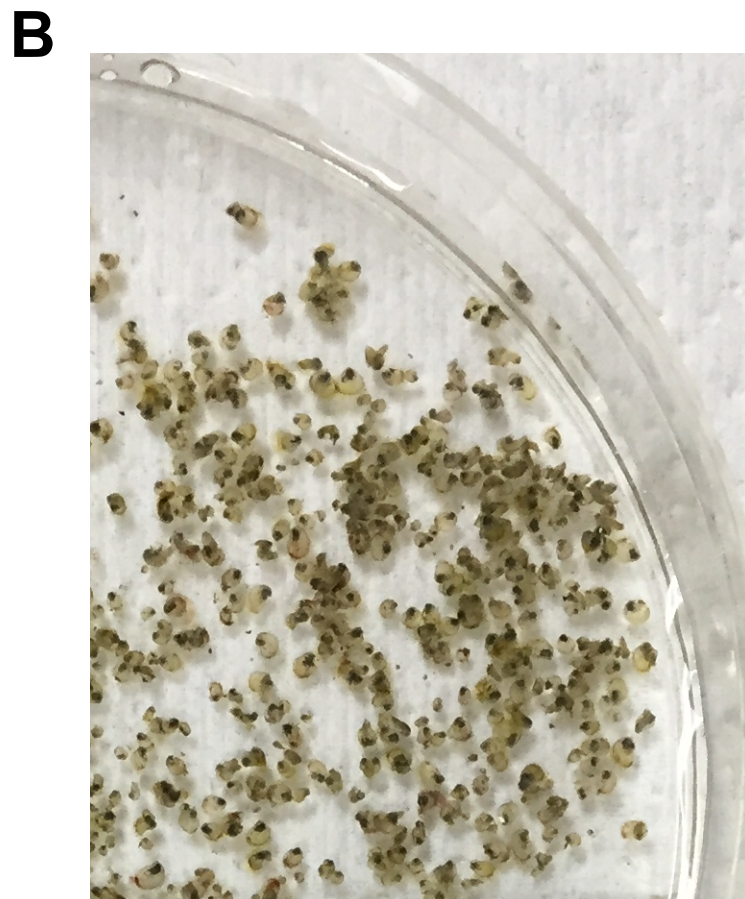
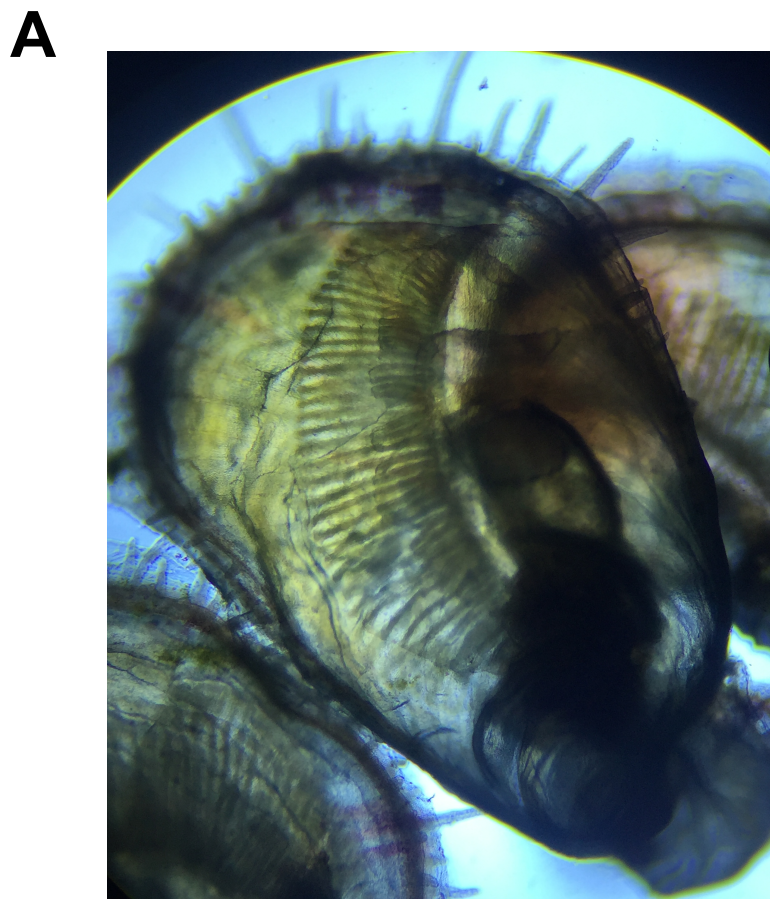


Data
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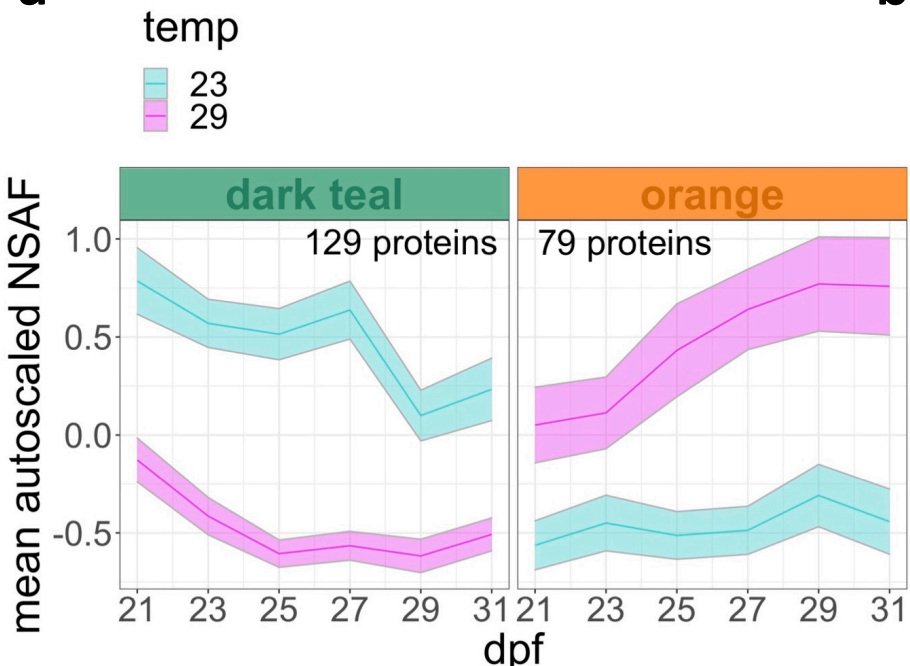


Signature

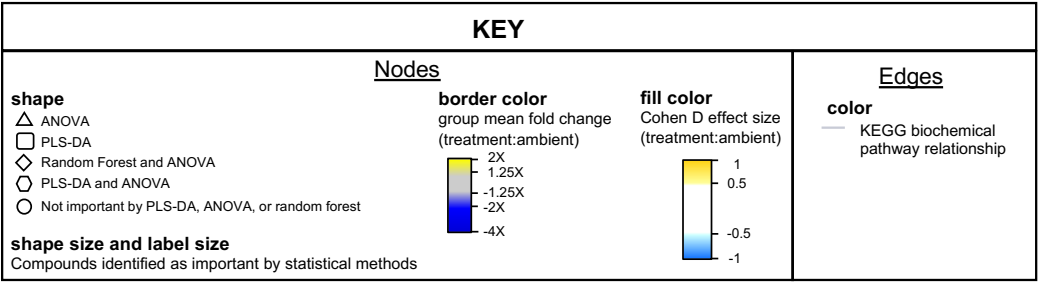
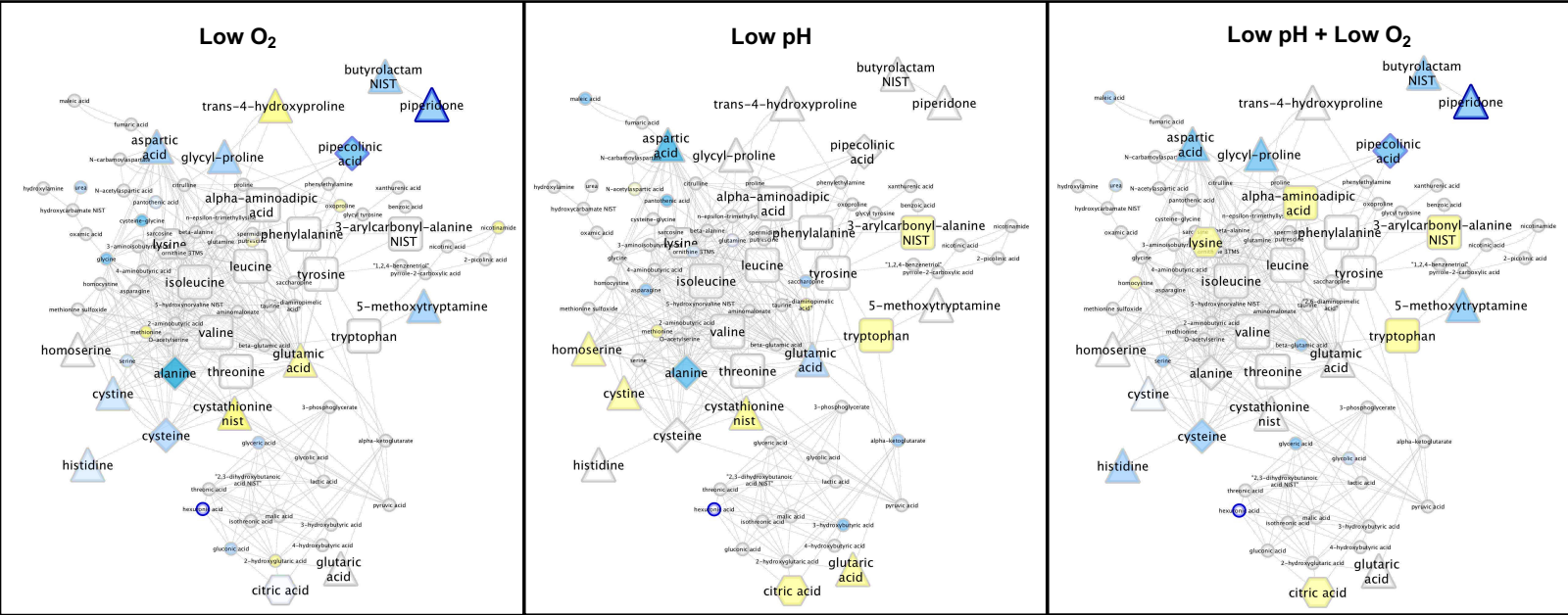


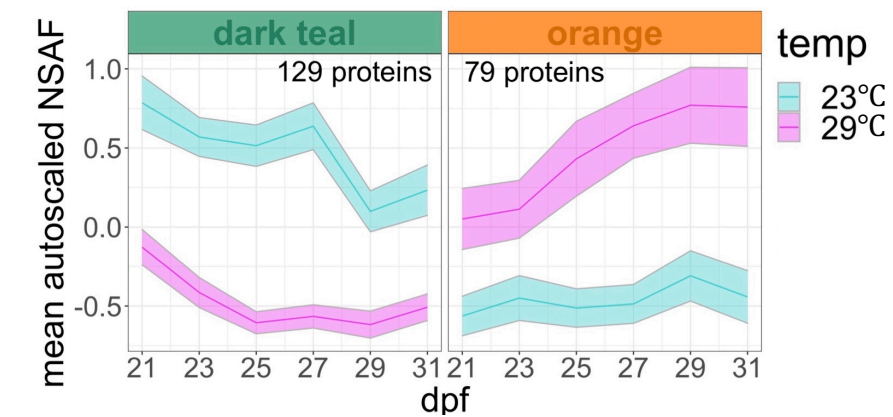
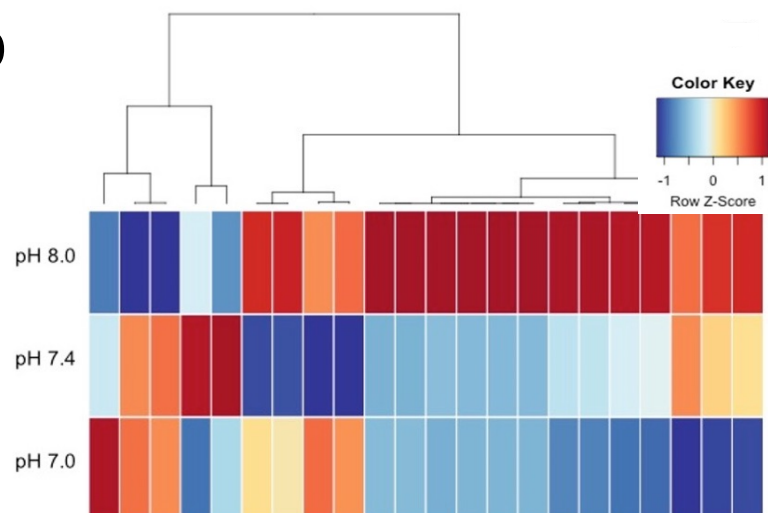
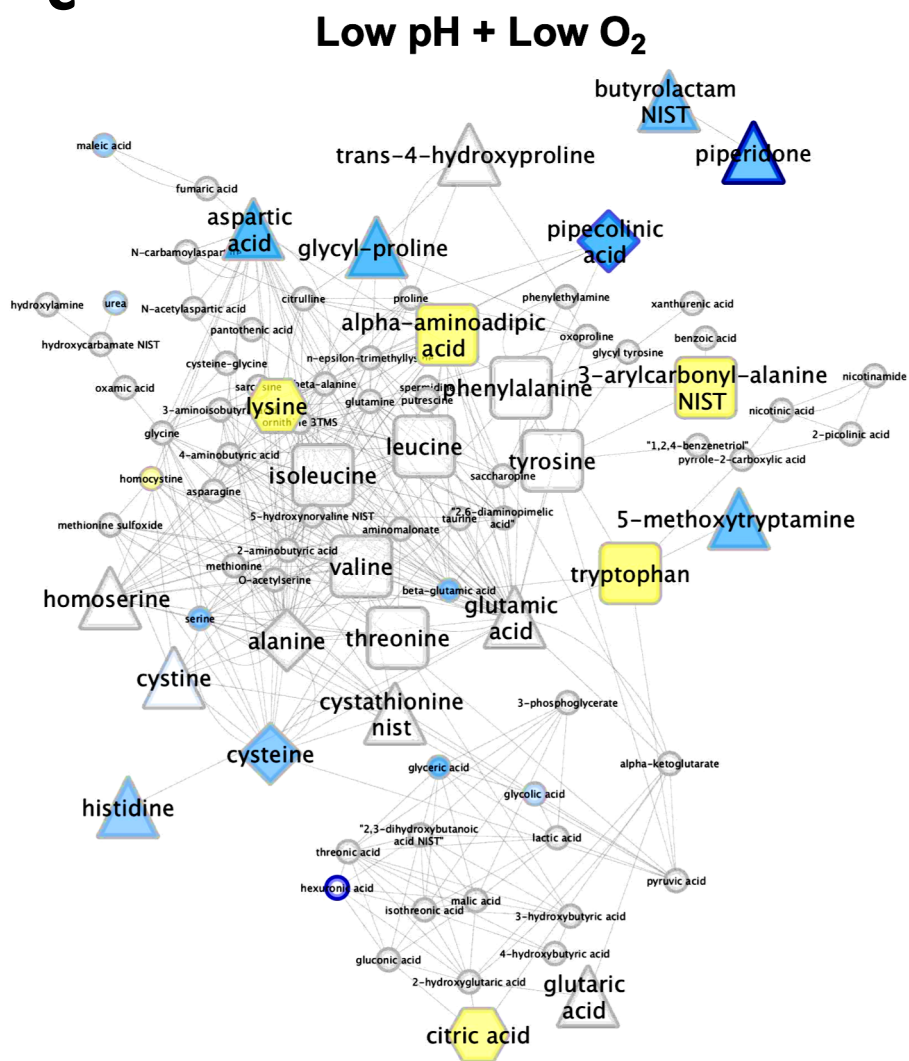


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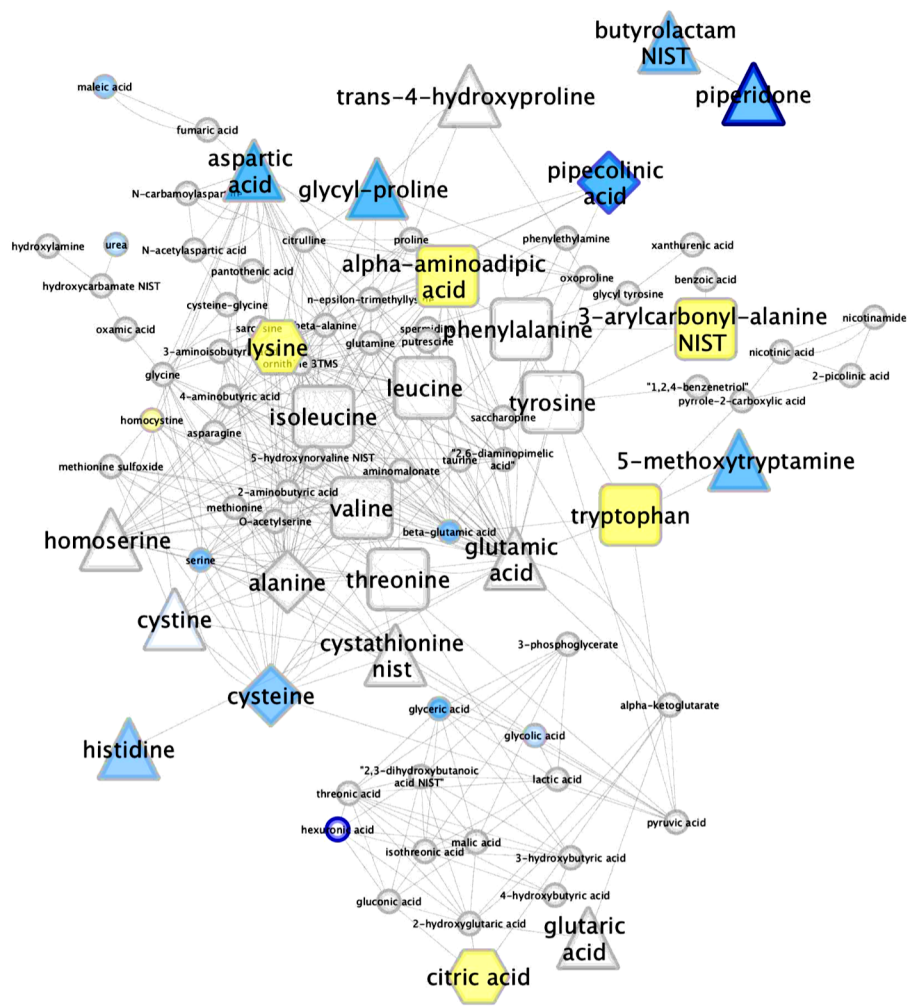
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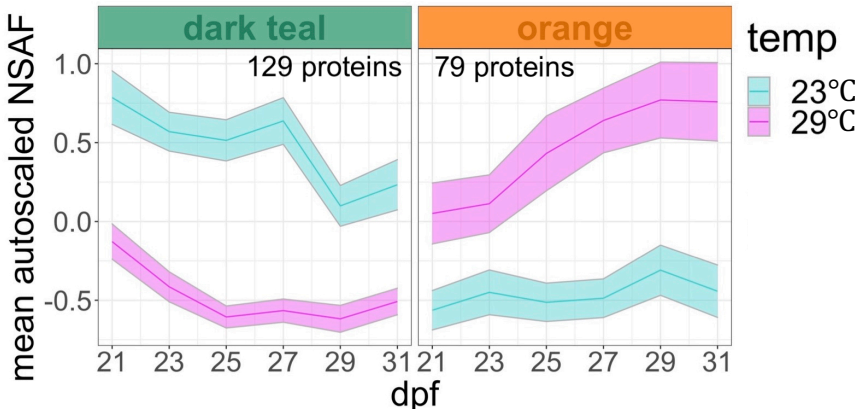
a**b****c**

a

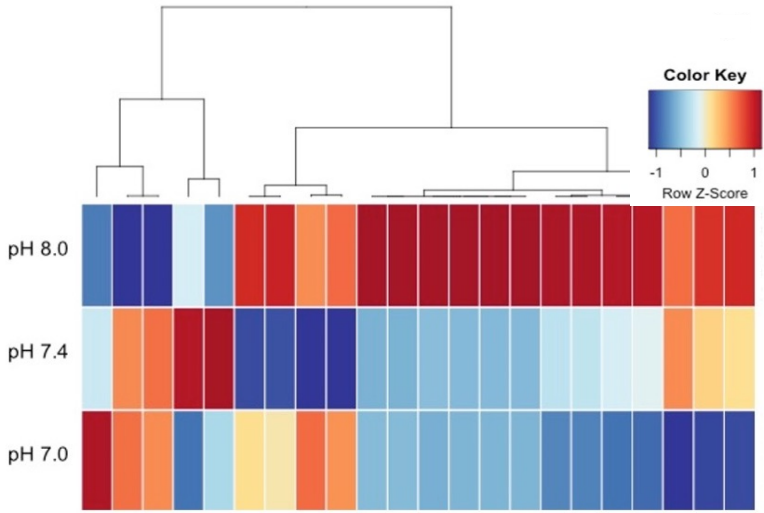
Low pH + Low O₂



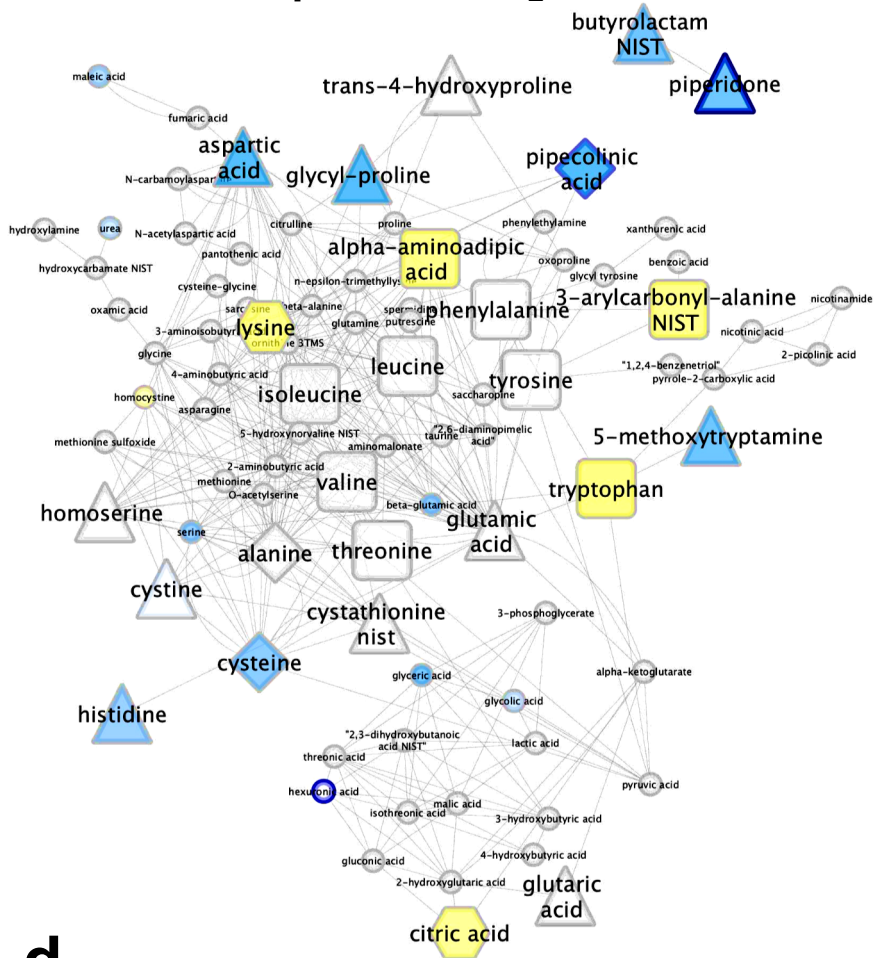
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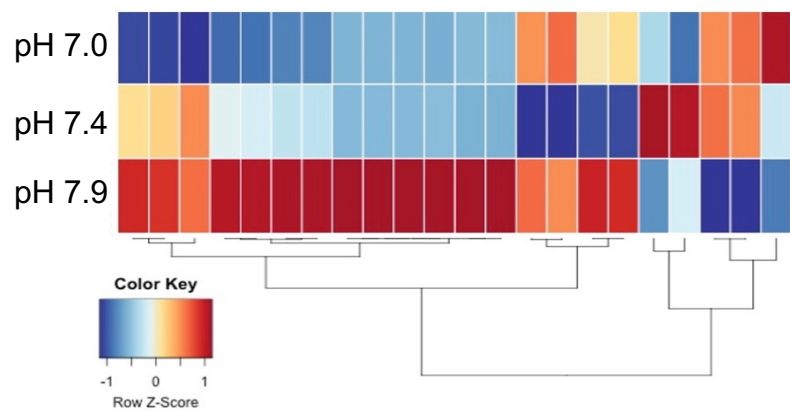
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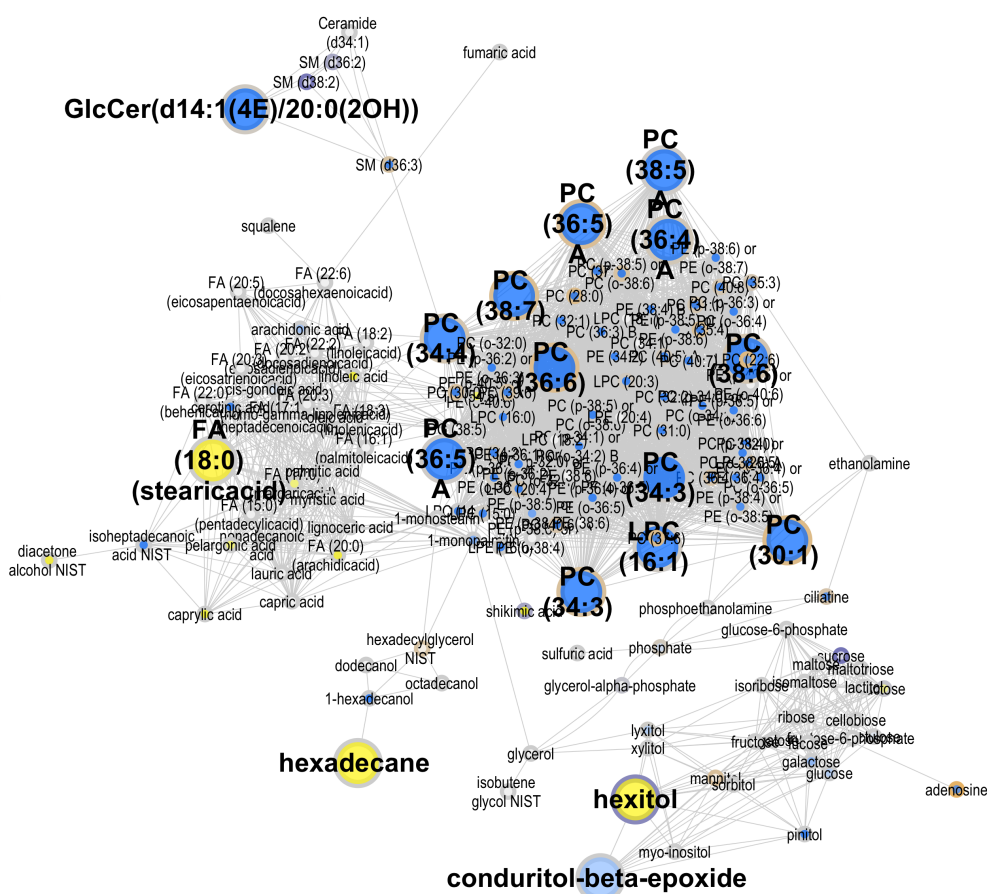
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Low pH + Low O₂

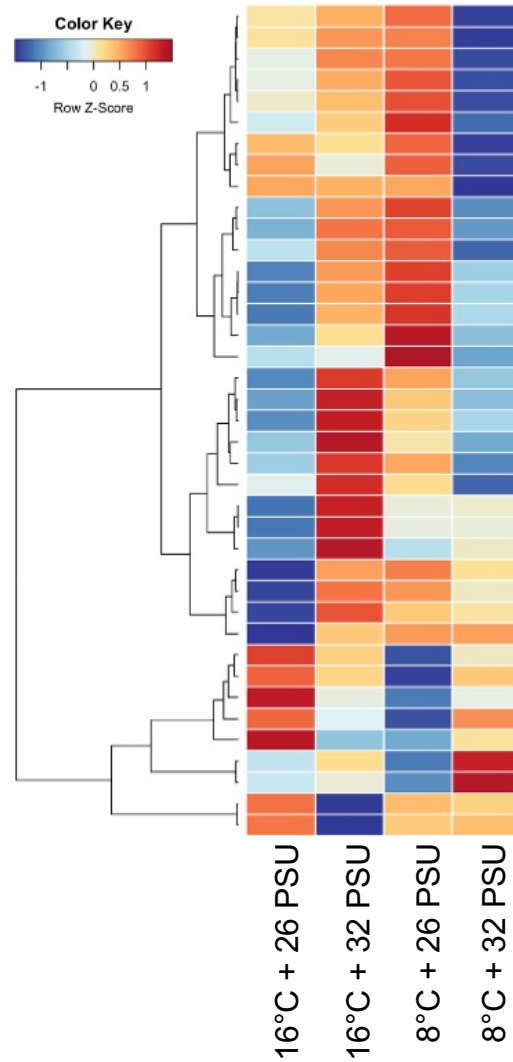
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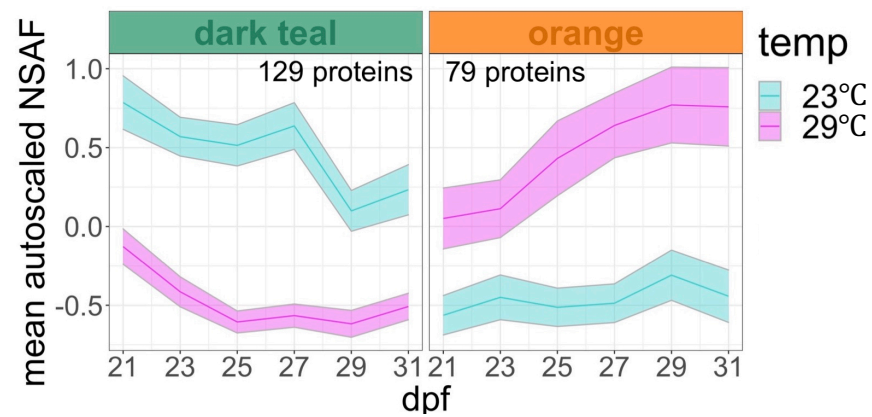
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Low pH + Low O₂

c

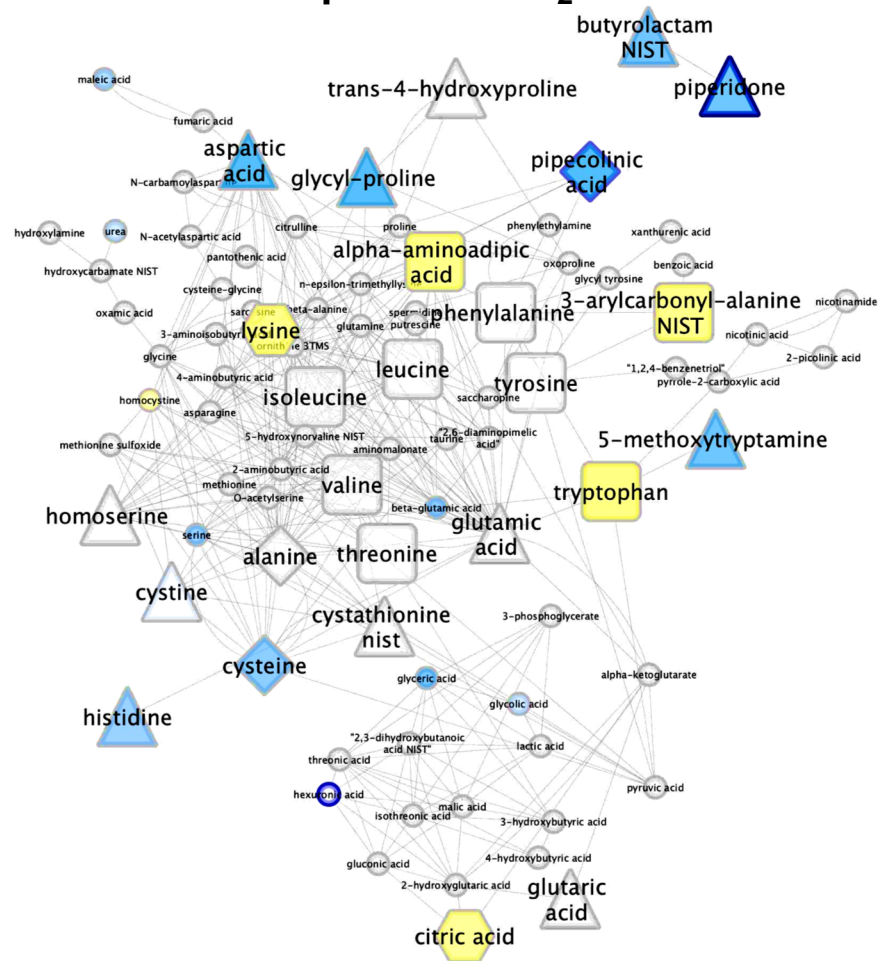


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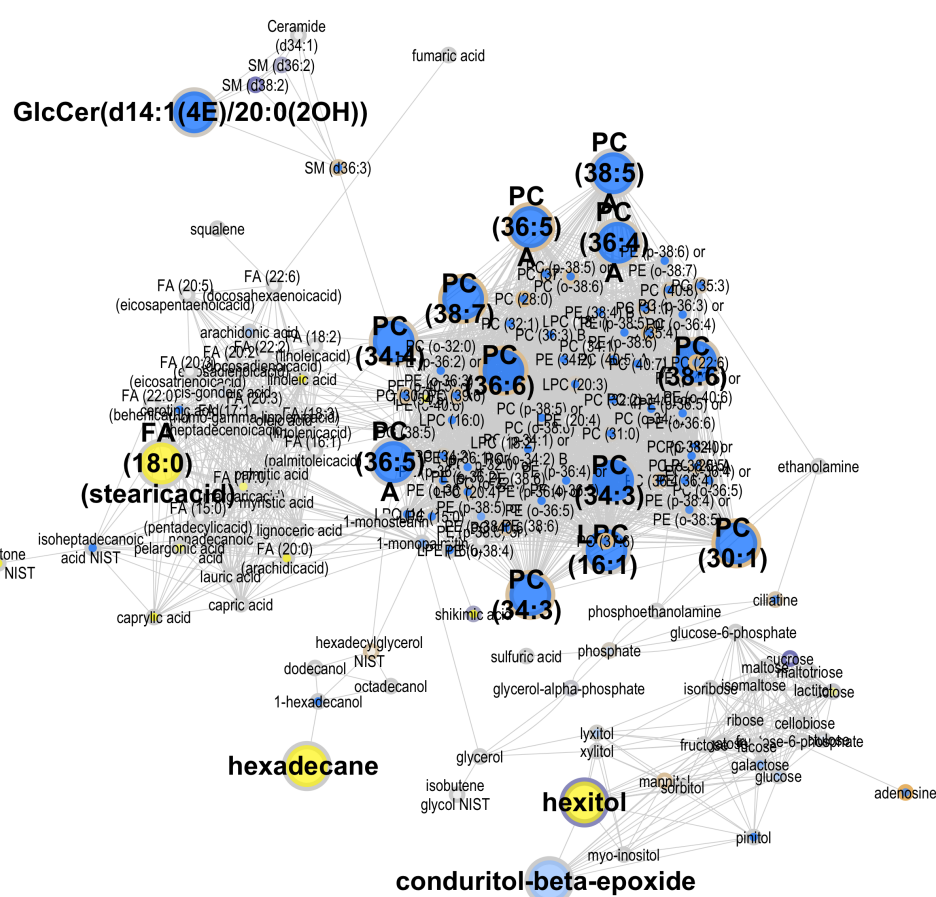
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Low pH + Low O₂

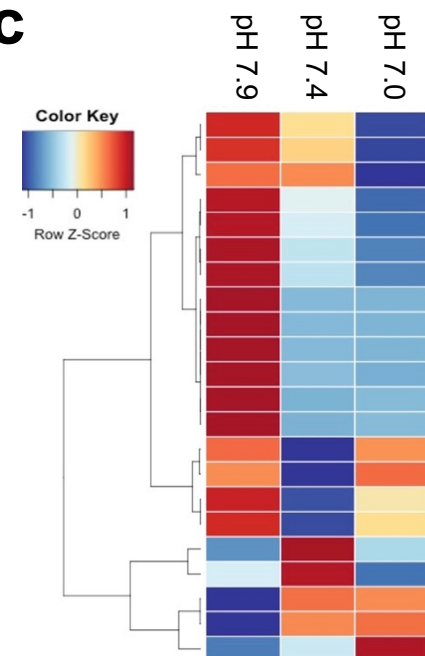


b

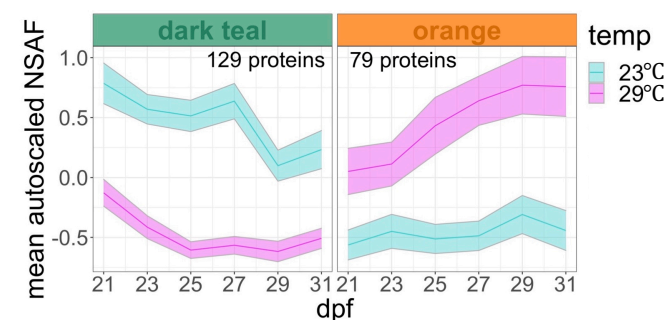
Low pH + Low O₂

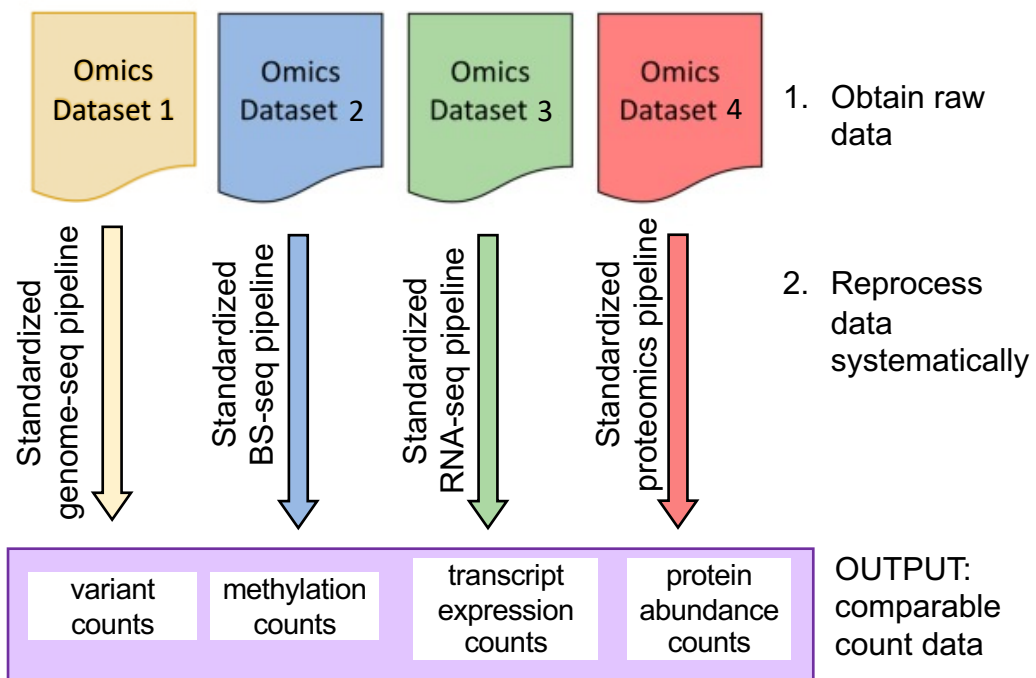
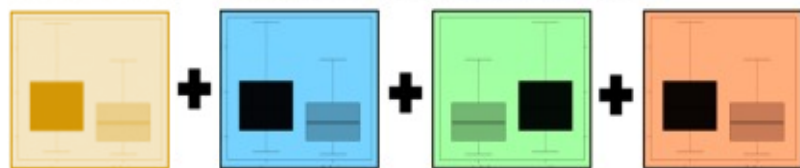
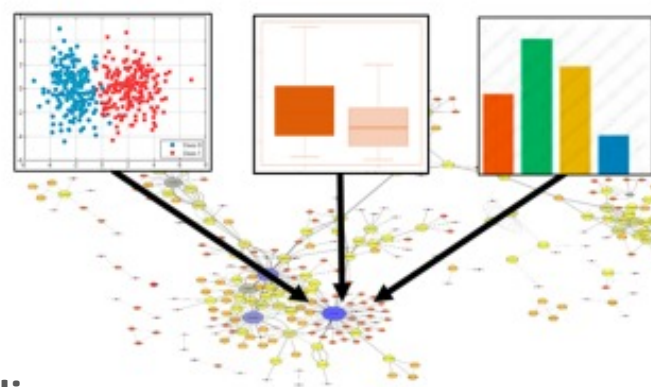


C



d



a**OBJECTIVE 1: Systematic reanalysis****b****3. Identify within-study differences****Individual omics data differential analysis****4. Integrate key features through network analysis****Post-analysis data integration****3. Correlation modeling, network modeling****Integrated data analysis****OBJECTIVE 2: Biomarker discovery****c****OBJECTIVE 3: Biomarker database****Aquaculture Biomarkers database**[Download](#) [Feedback](#)

Biomarker	Condition	Effect	Evidence	Source
Search here...				
ABL1 (E255K,E255V,Y25...	OSHV-1 exposure	Sensitive	European Leuk...	PMID:21562040
ABL1 (F359V,F359C,F35...	OSHV-1 exposure	Resilient	NCCN guidelines	PMID:21562040
ABL1 (I242T,M244V,K24...	OSHV-1 exposure	Sensitive	European Leuk...	PMID:21562040
ABL1 (T315A,F317L,F31...	OSHV-1 exposure	Resilient	NCCN guidelines	PMID:21562040
ABL1 (T315A,F317L,F31...	OSHV-1 exposure	Resilient	NCCN guidelines	PMID:21562040