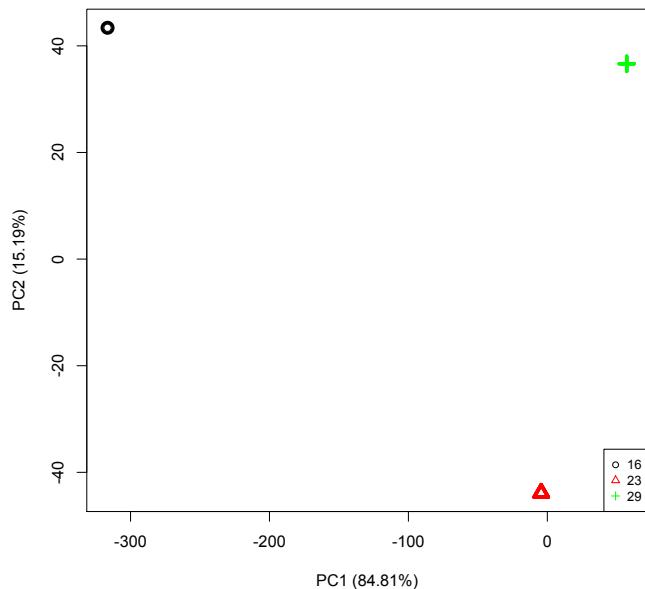
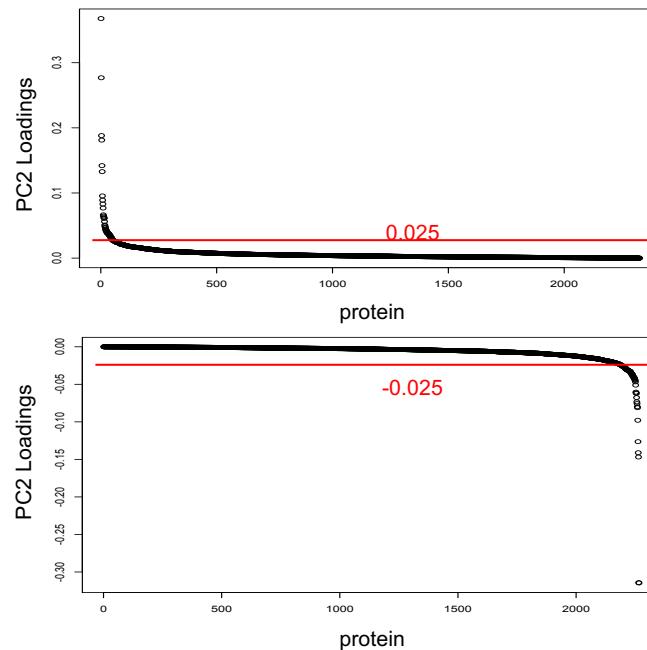
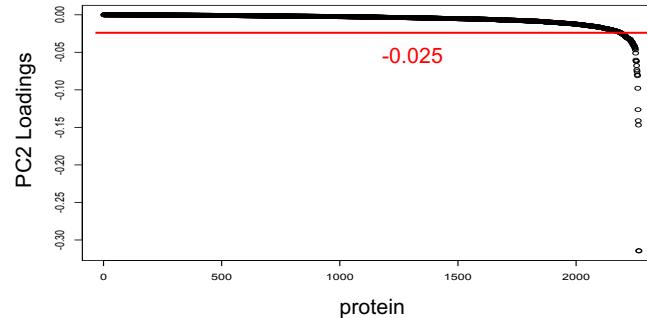
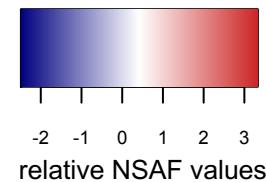


**a**

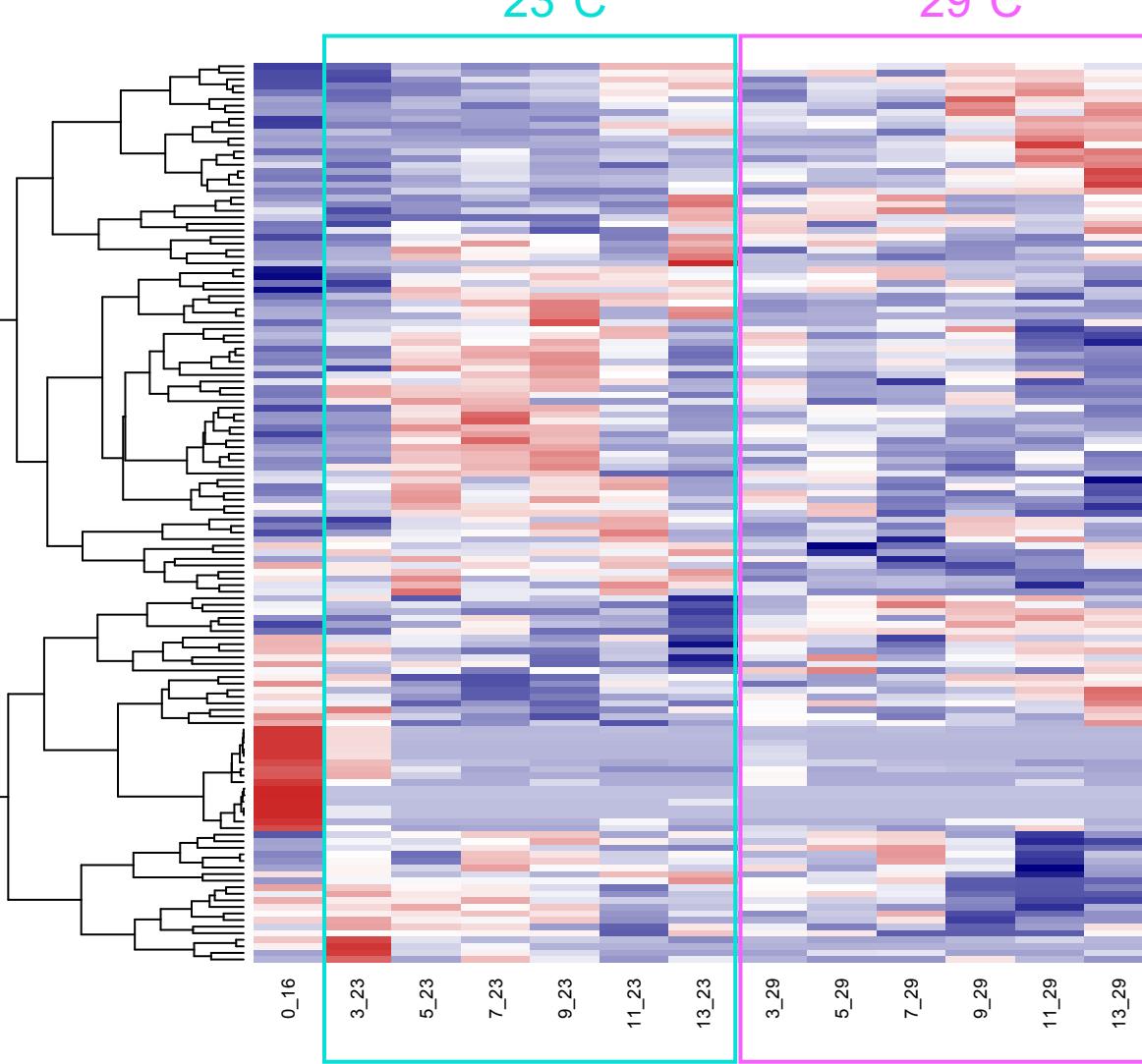
PC1 vs PC2 for temperature factor

**b****c****d**

23°C

29°C

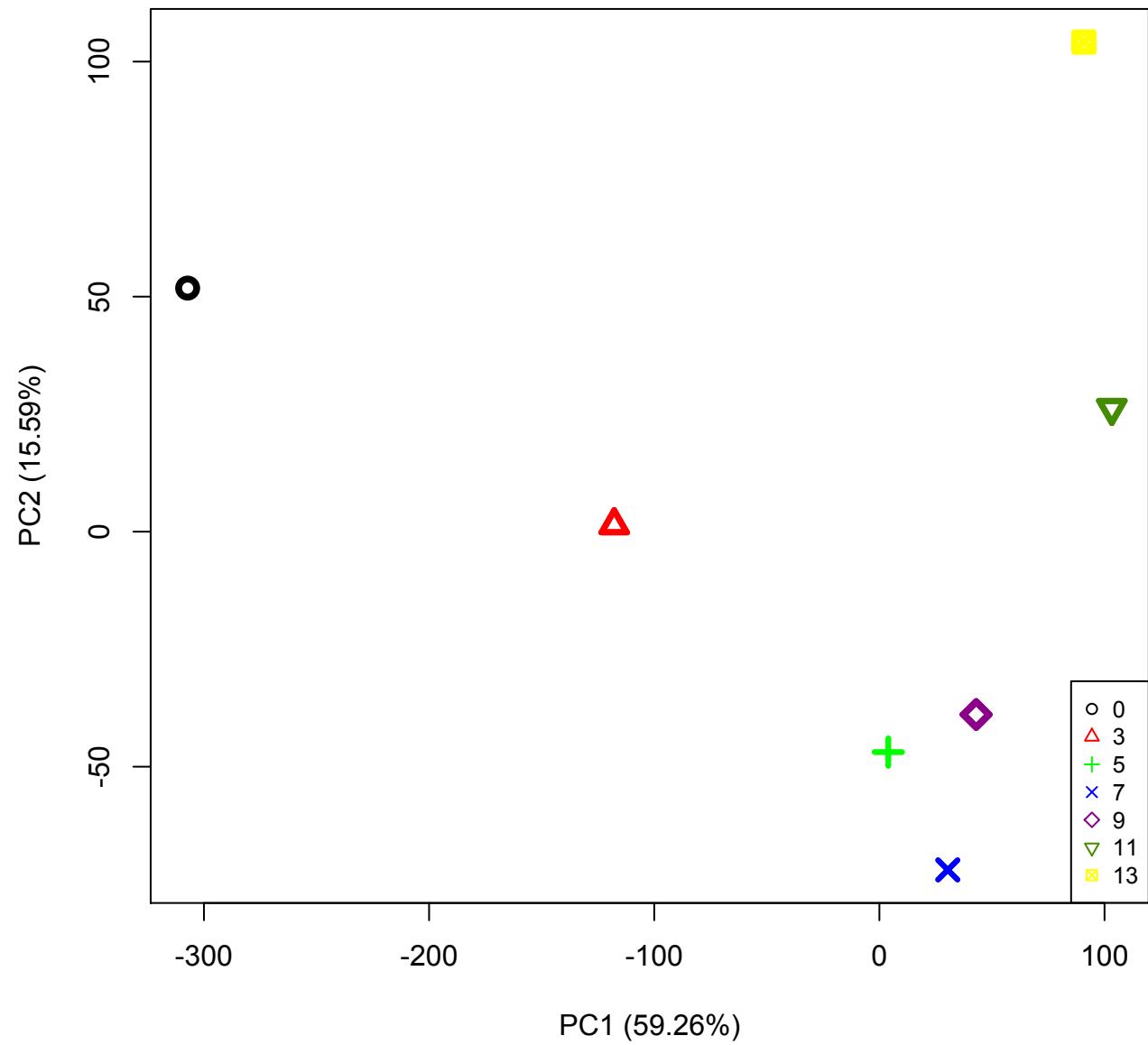
protein

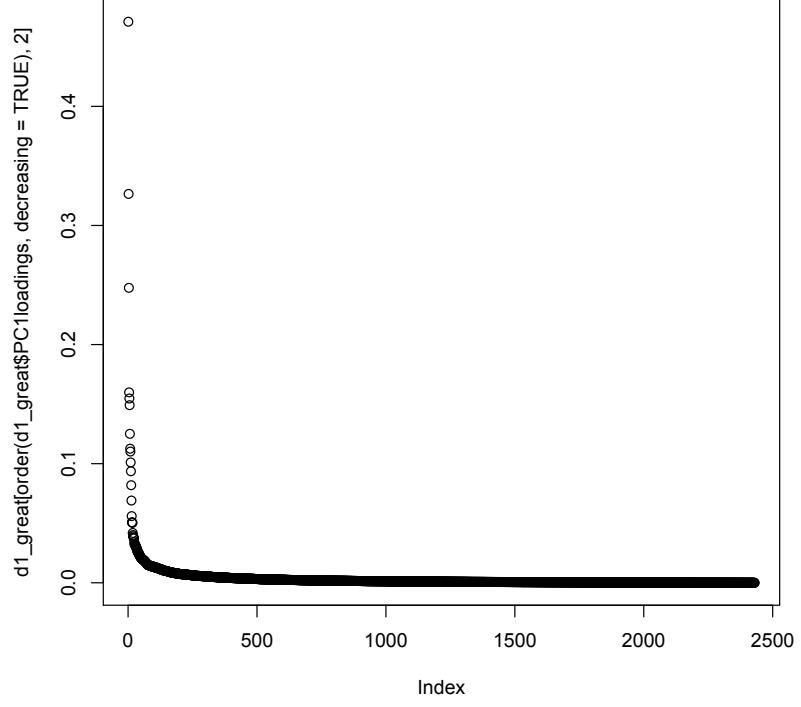


protein

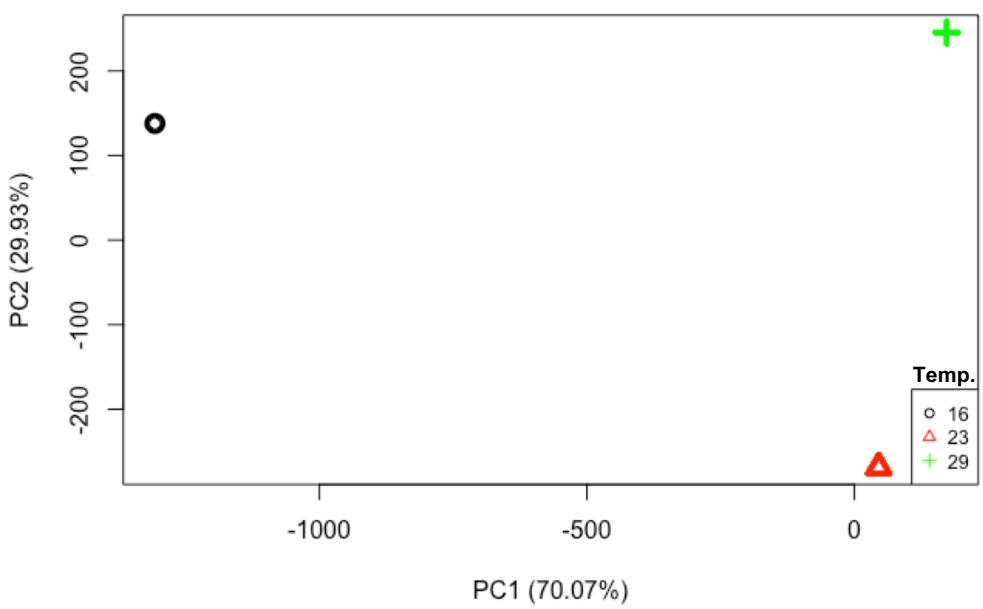
EF1A.2  
EF1A.1  
NFCM  
NOTC1.3  
NFCM  
RBF1N  
Unknown:1440  
MTS  
SYME  
SYME.2  
XCBP.3  
NNX  
PL003  
Unknown:139  
Unknown:1  
GDI8  
Unknown:196  
BXL  
Unknown:202  
HIC8  
PPBP  
Unknown:100  
HDA  
Unknown:1  
EGR2  
A2478  
TRIM34  
RPTT  
ATD8.1  
PPBP  
Unknown:4  
DPLA  
MSTP  
ATP5.1  
Unknown:746  
Unknown:1  
WDE1  
Unknown:854  
RP481  
DR82  
Unknown:1  
BT29  
INO18  
BT354  
DDX42  
DDX50  
MCC43  
EGCG  
TSHZ  
UBA1  
ACD10  
PTGS2  
RNF  
FENT  
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MCC3  
ODP  
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Unknown:1892  
C10SP  
Unknown:52  
KADS1  
Unknown:542  
MYSCC  
HSD10  
CINN  
ELAV2  
YME2.2  
Unknown:79  
Unknown:1247  
Unknown:170  
Unknown:109  
EUC2.1  
Unknown:470  
Unknown:642  
GDP  
LEK  
OTOL1  
LAMP2  
Unknown:872  
Unknown:1  
NRG1  
NRC1  
ATAD4  
SCAM1  
DPBP3  
Unknown:350  
GNAQ  
WDR54  
Unknown:590  
SOGC1

**PC1 vs PC2 for factor-combination 1**

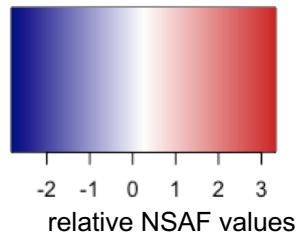
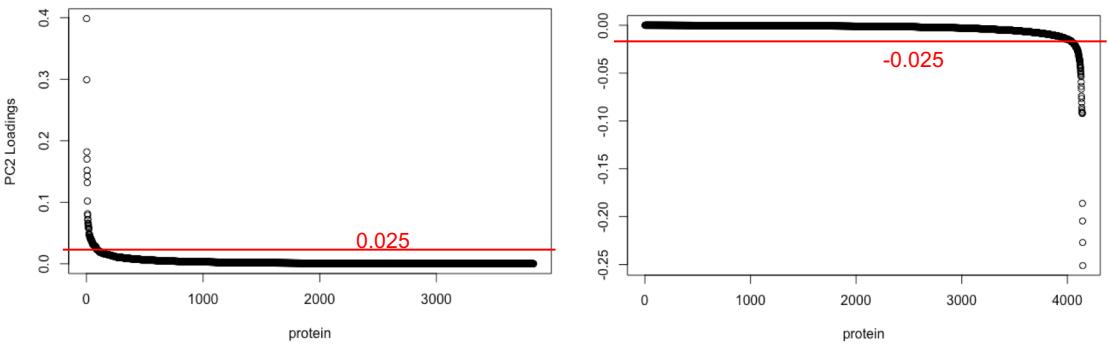




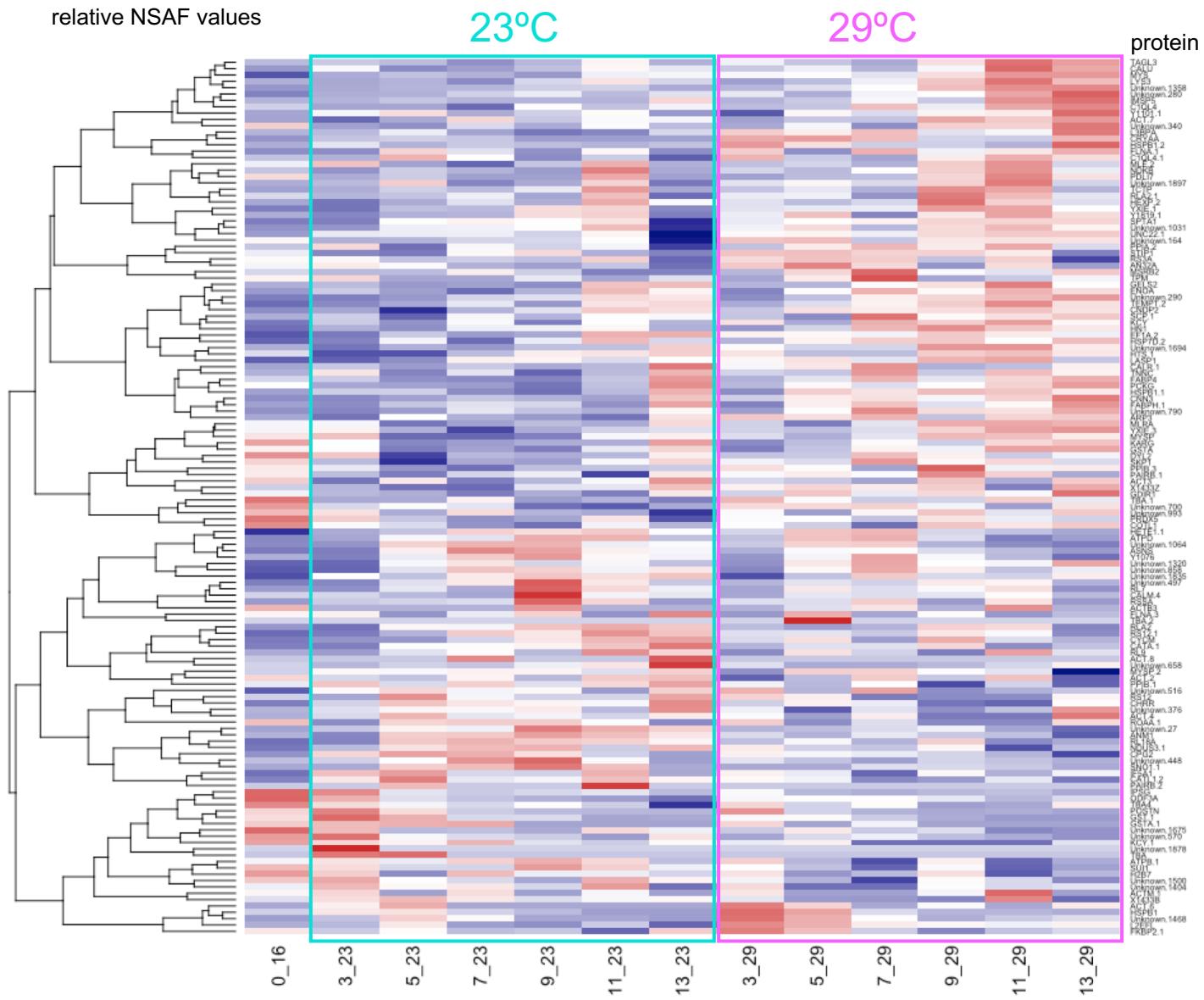
PC1 vs PC2 for factor-combination 2



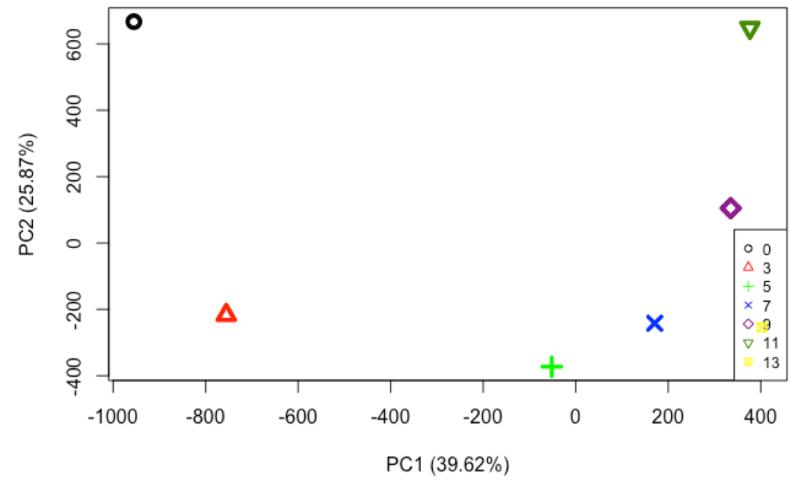
PC2 loadings



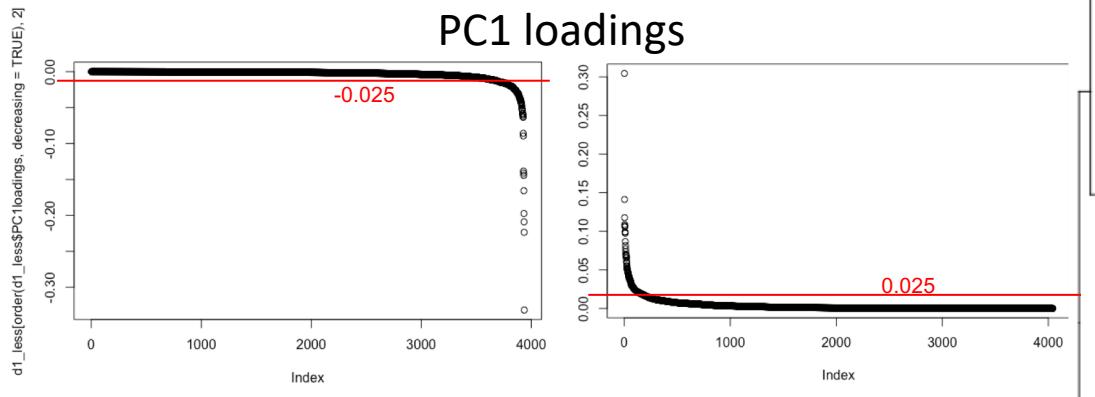
Proteins affected by temperature



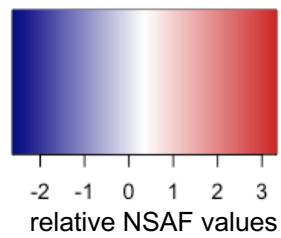
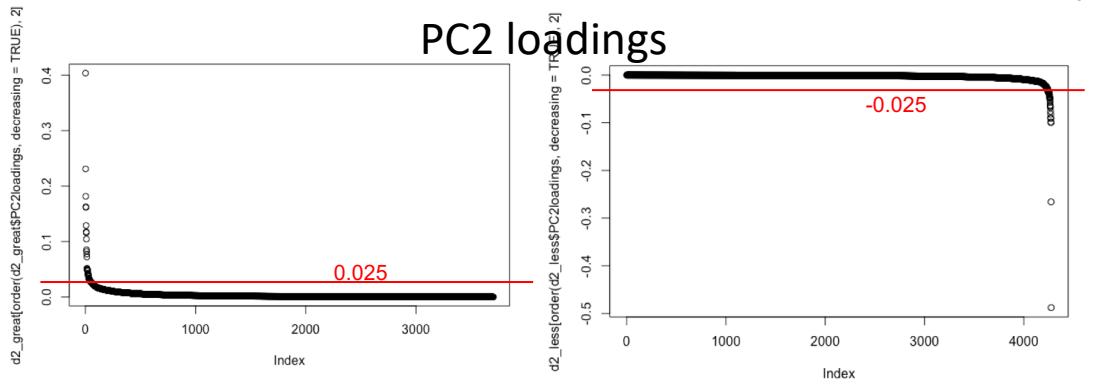
PC1 vs PC2 for factor-combination 1



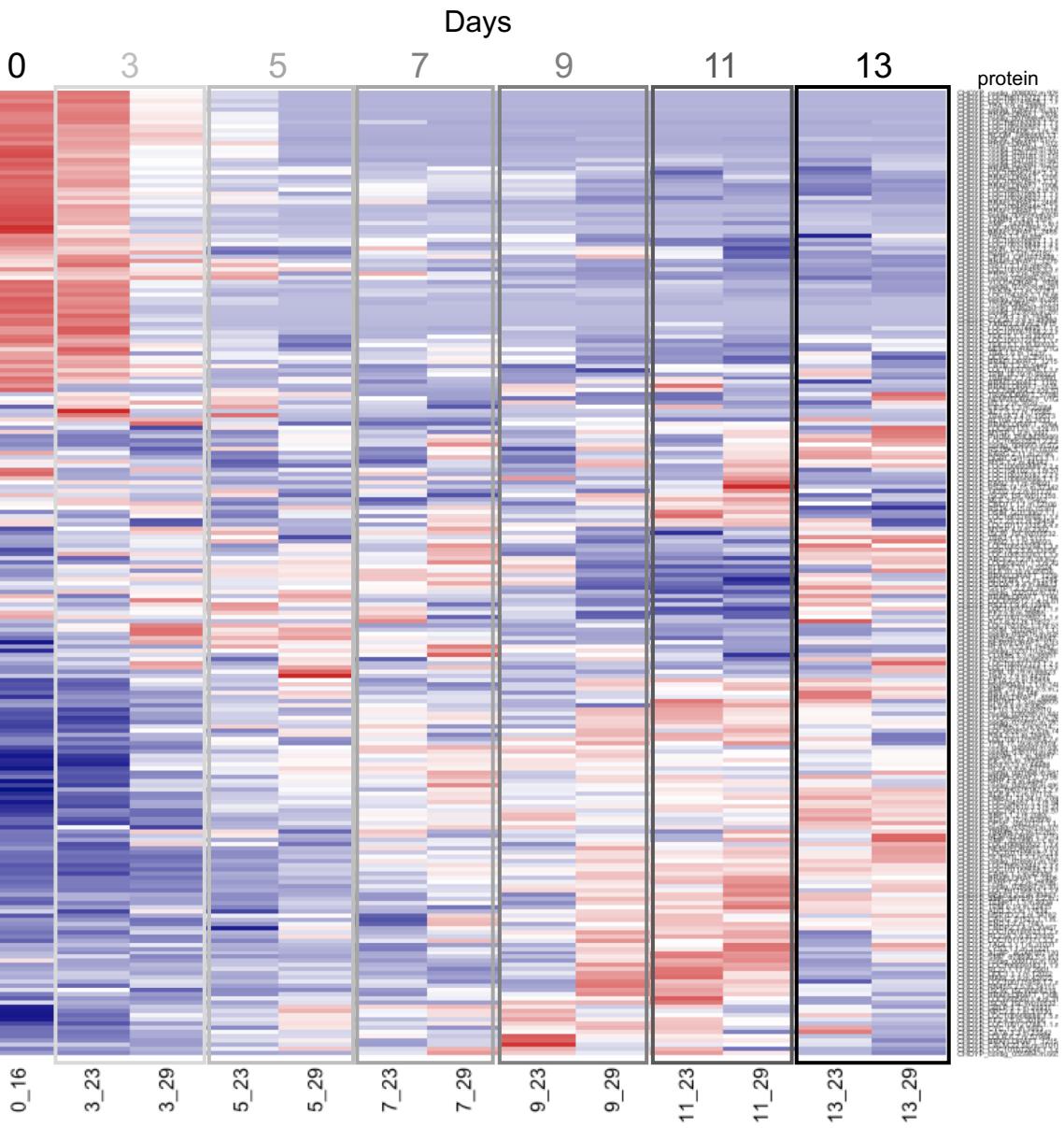
PC1 loadings



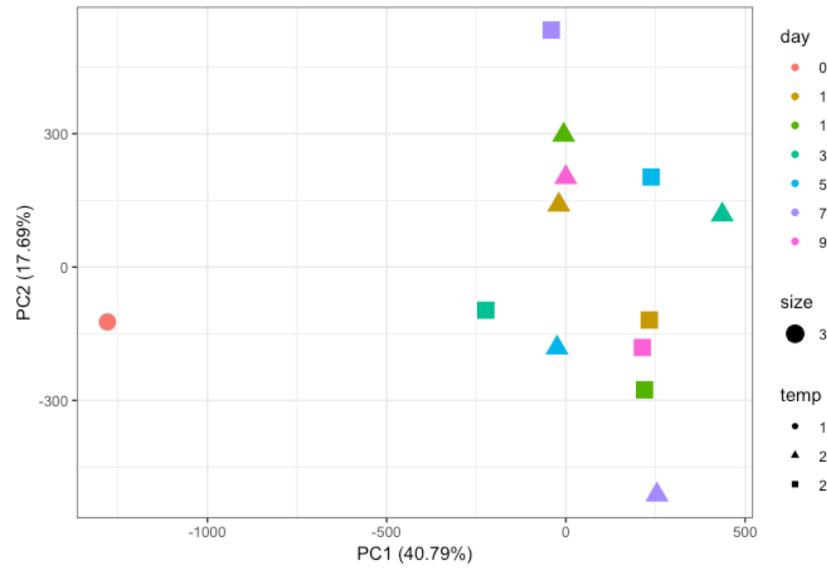
PC2 loadings



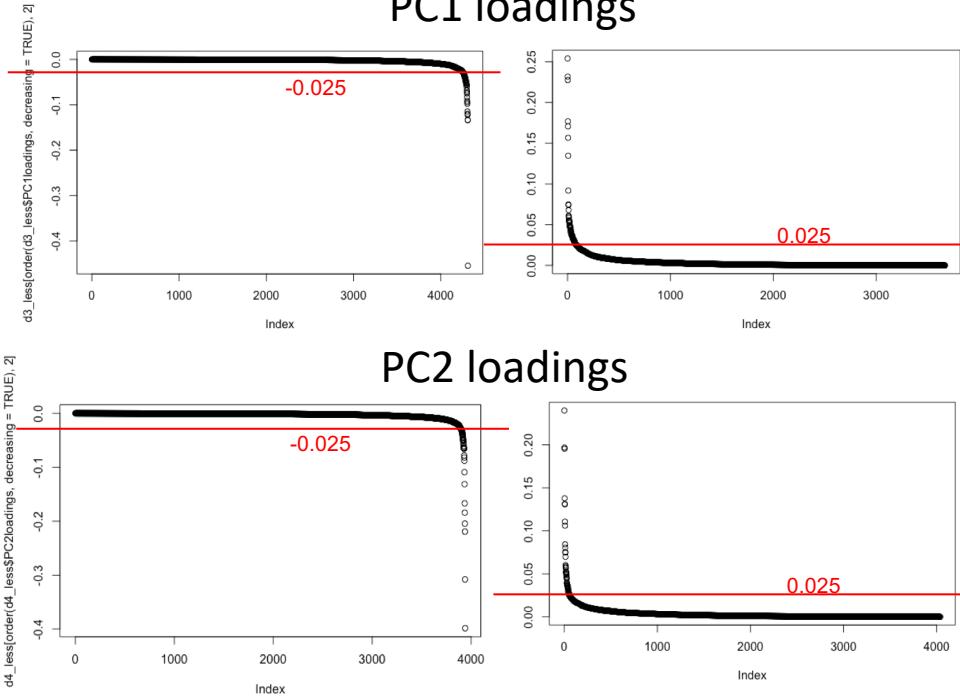
## Proteins affected by time



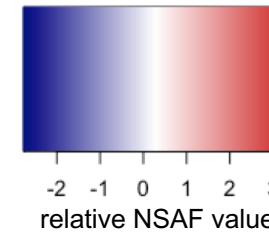
PC1 vs PC2 for time x temperature interaction effect



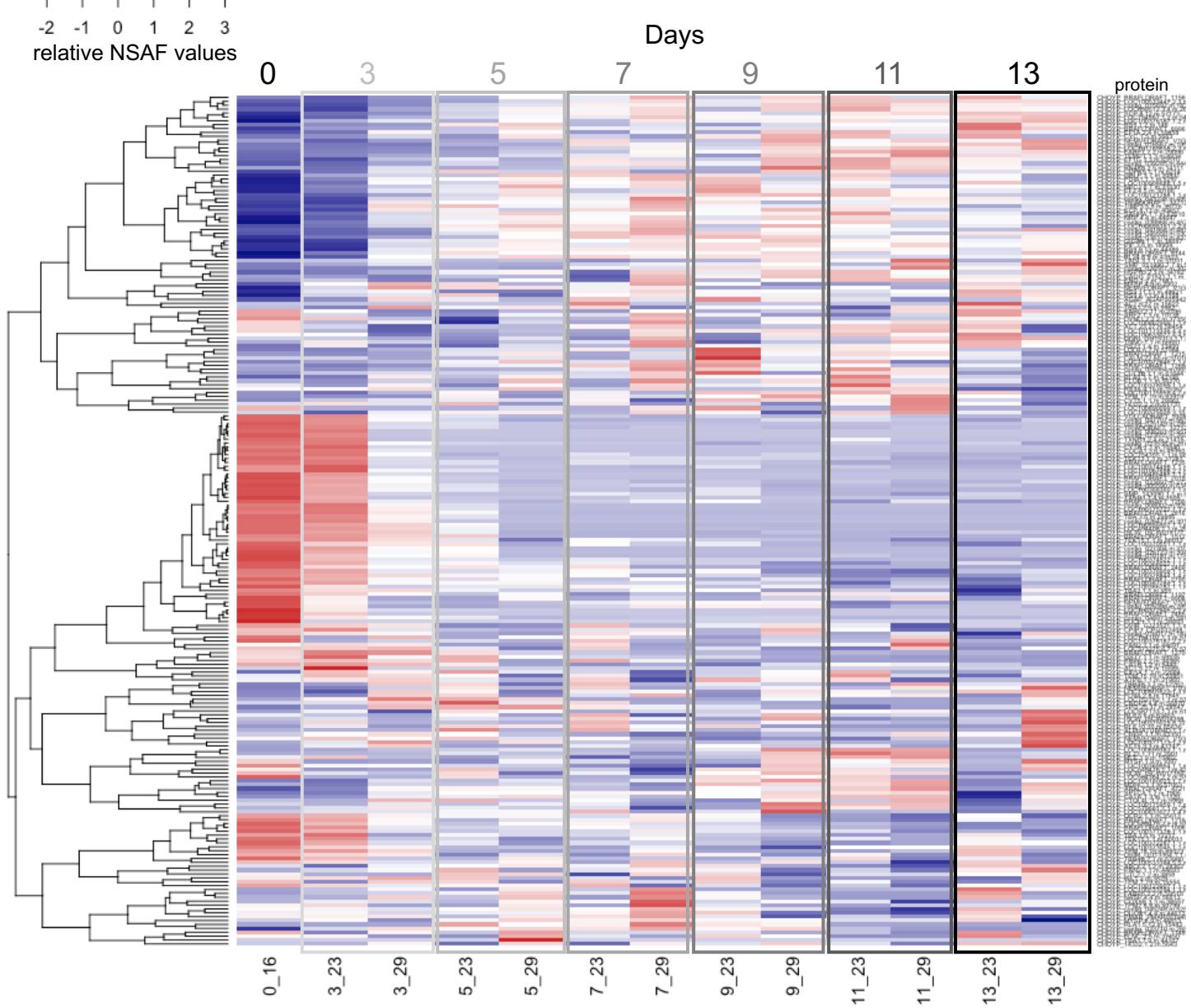
PC1 loadings



PC2 loadings



## Proteins affected by time x temperature interaction

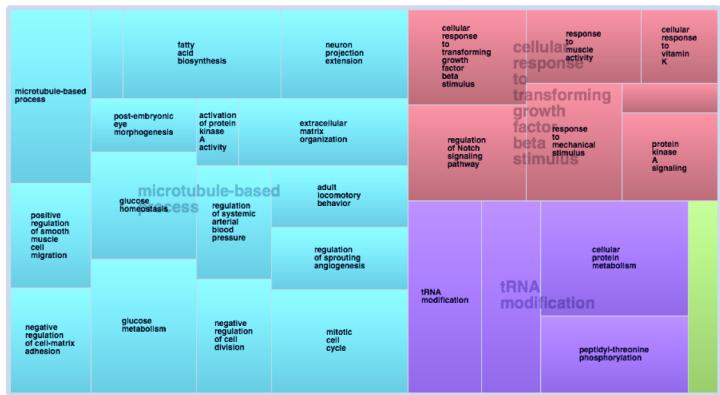


# GO analysis on proteins with

Day 3

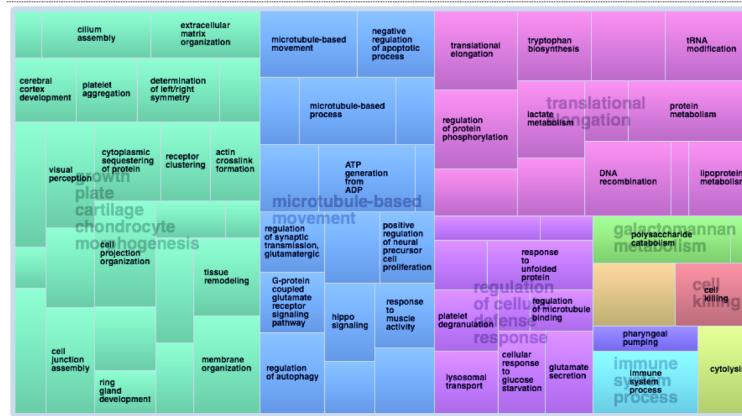
23 C

## Biological processes

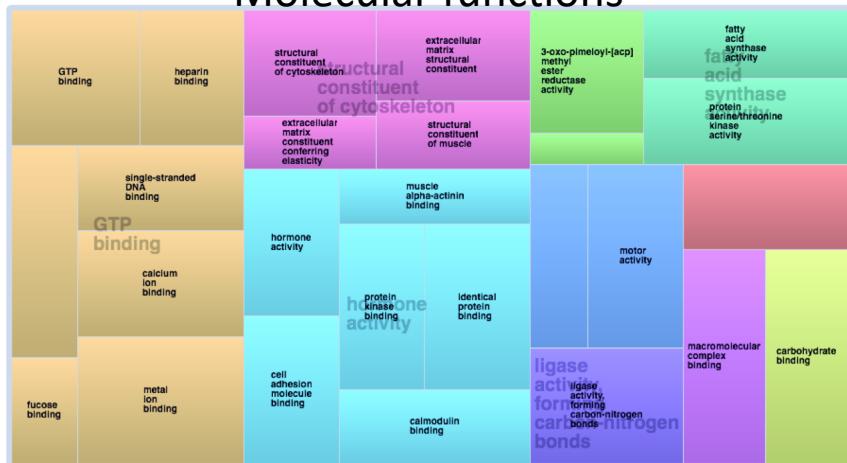


29 C

## Biological processes



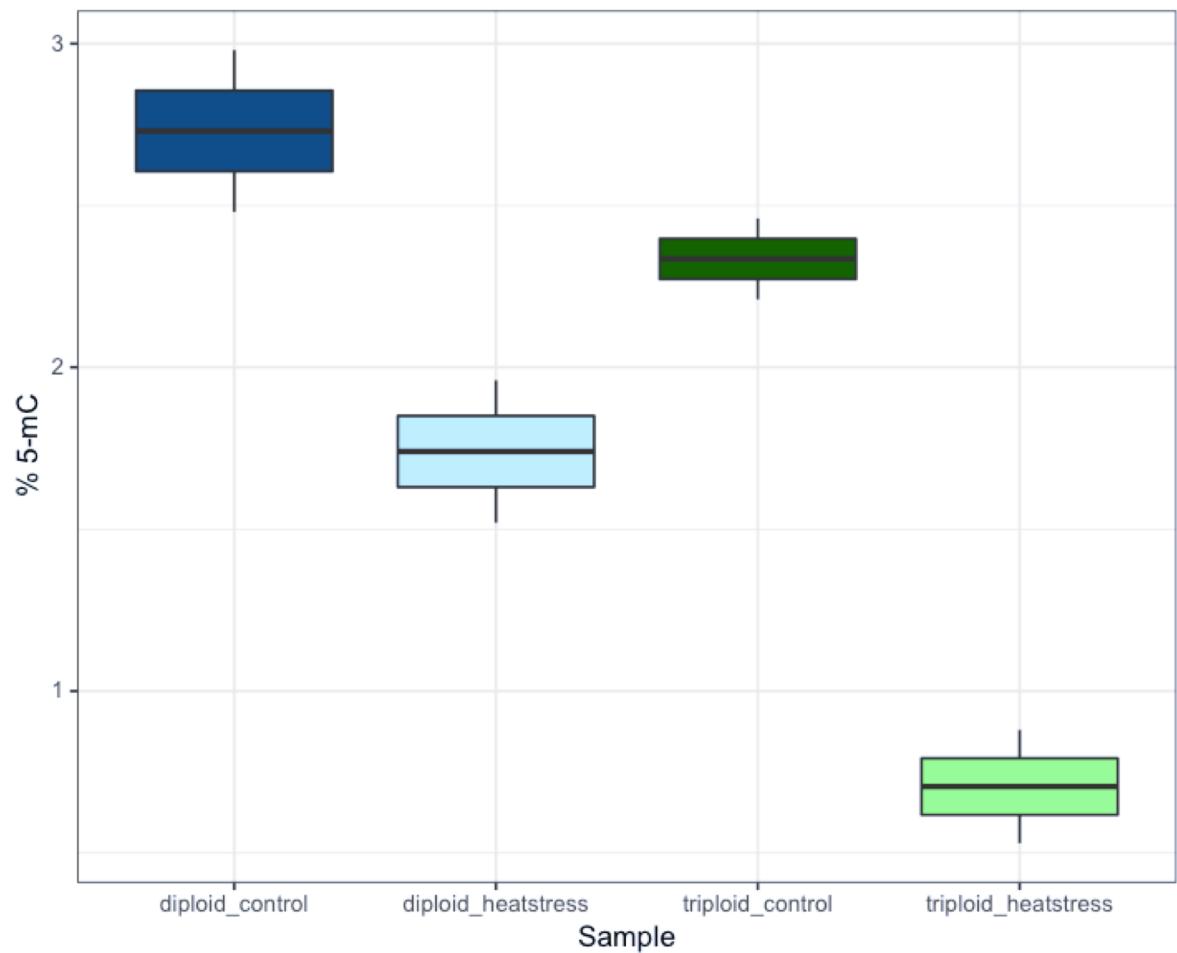
## Molecular functions



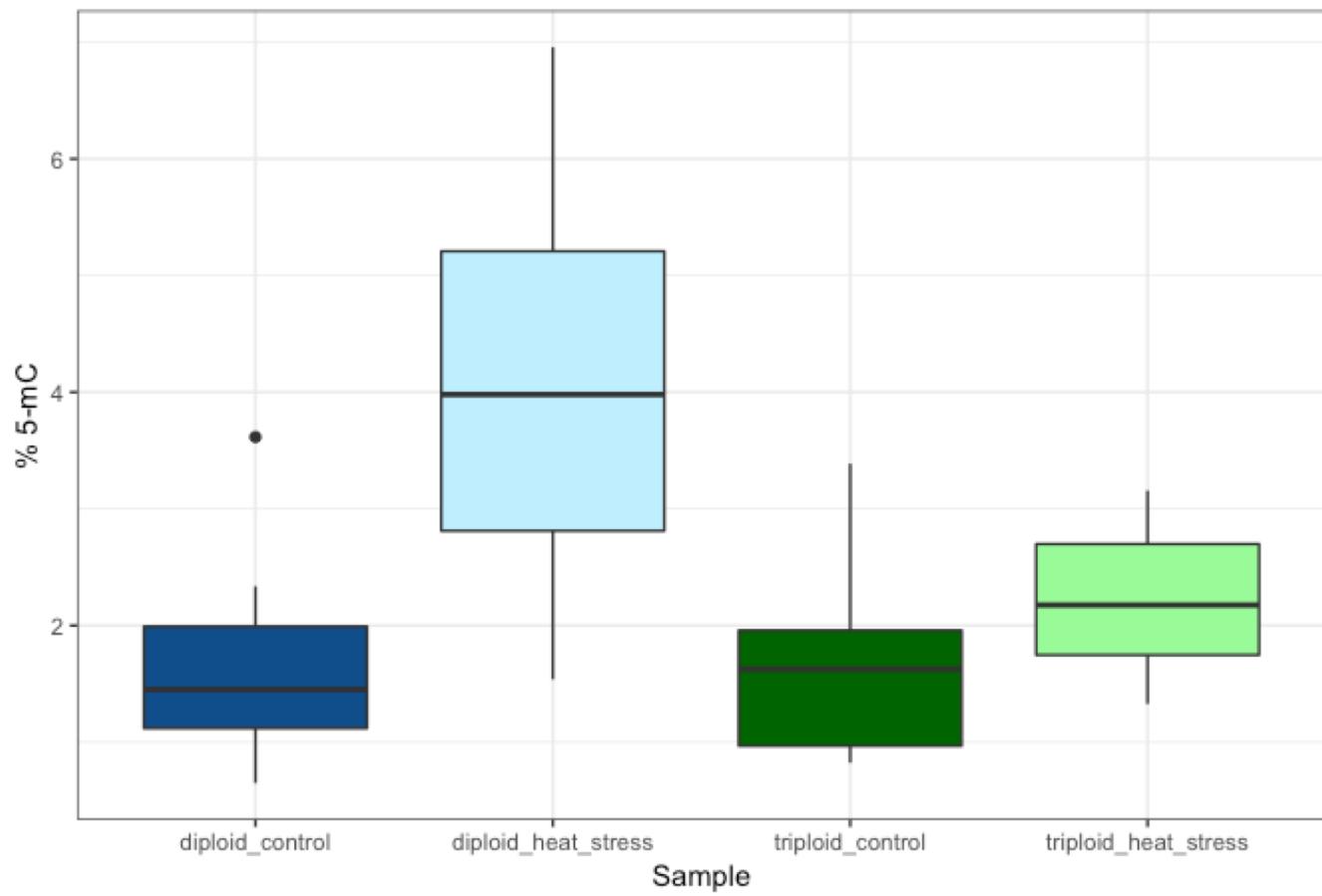
## Molecular functions

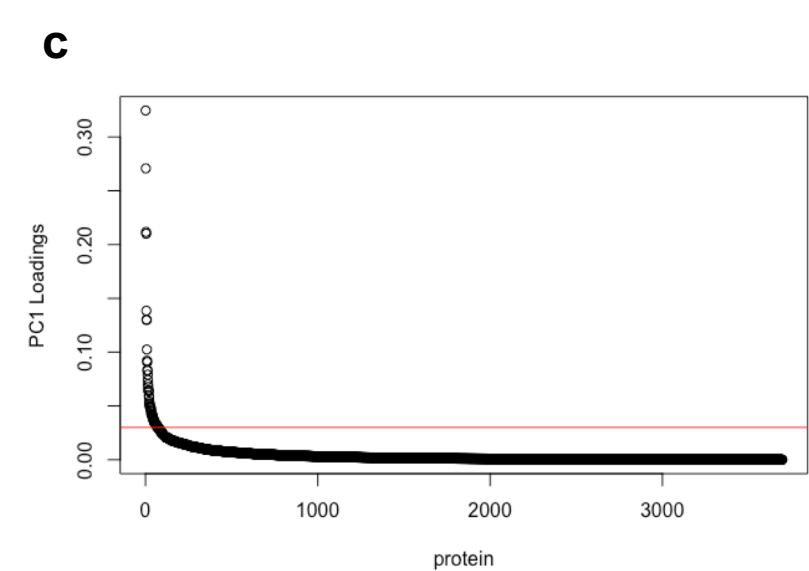
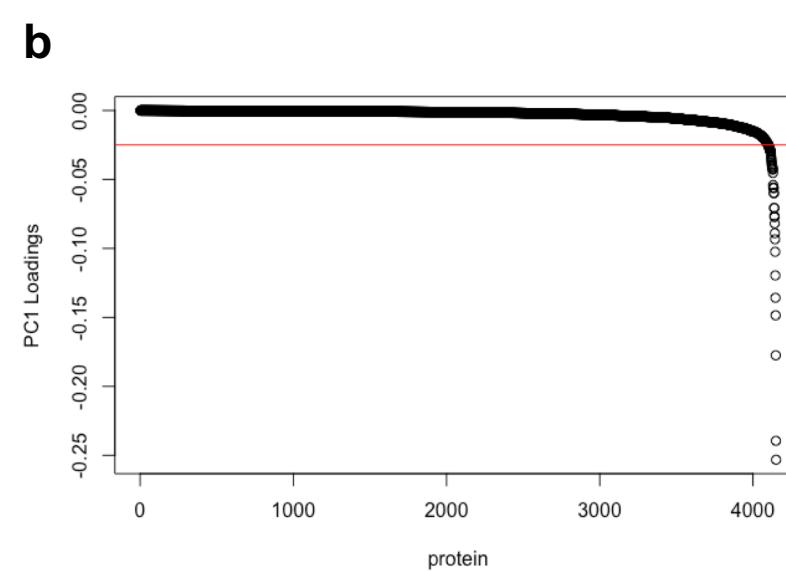
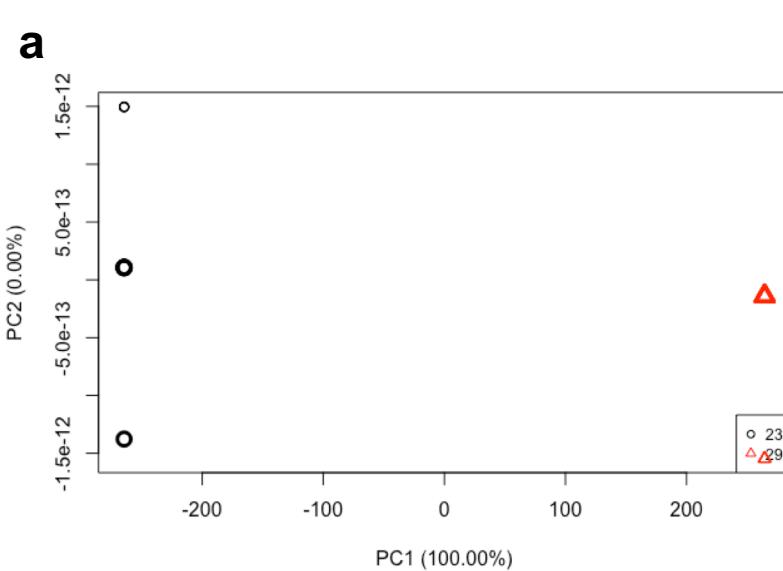


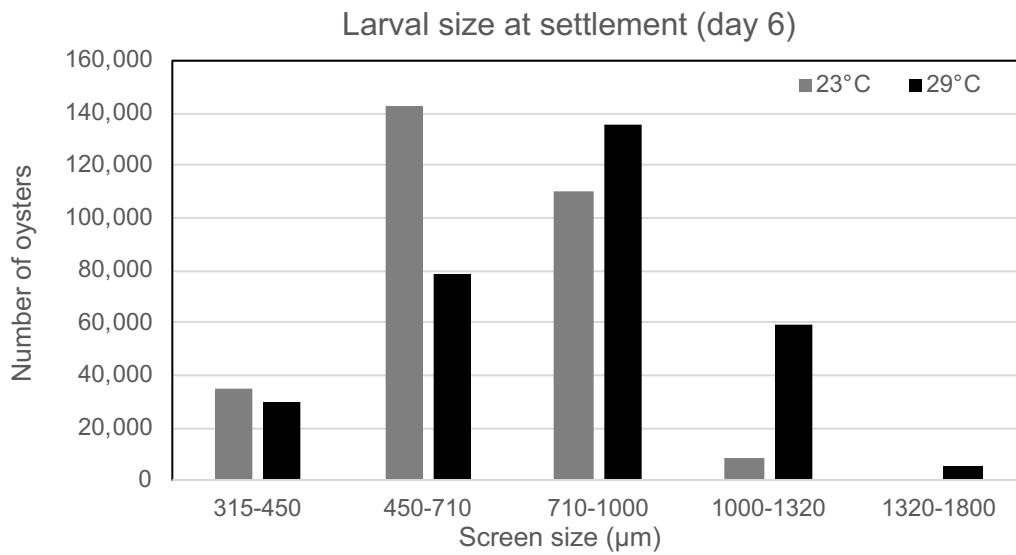
Ploidy x heat stress effect on global 5-mC DNA methylation



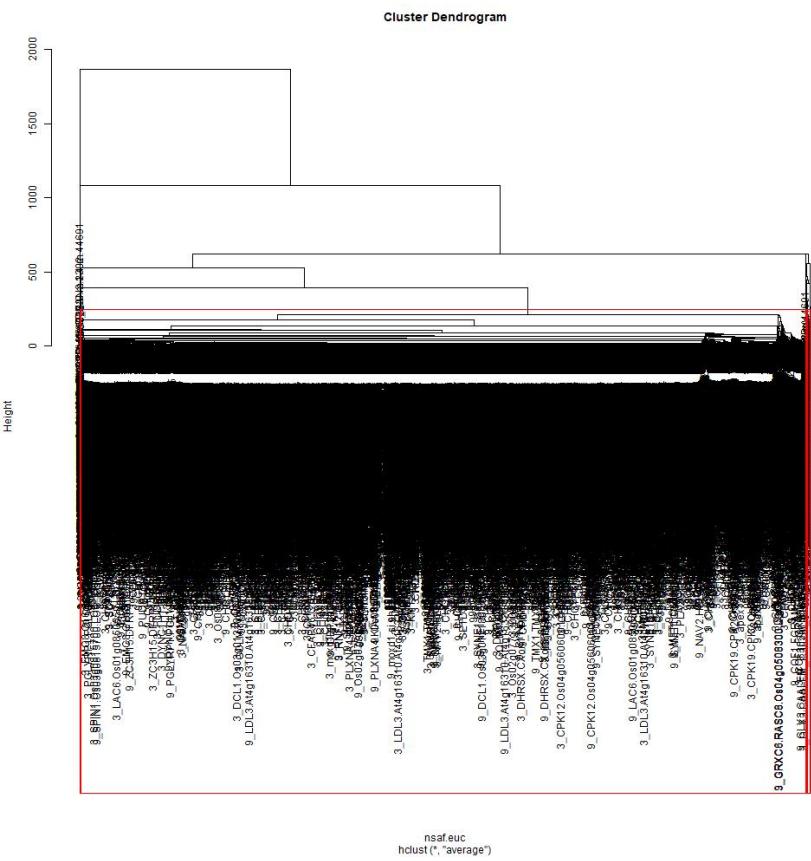
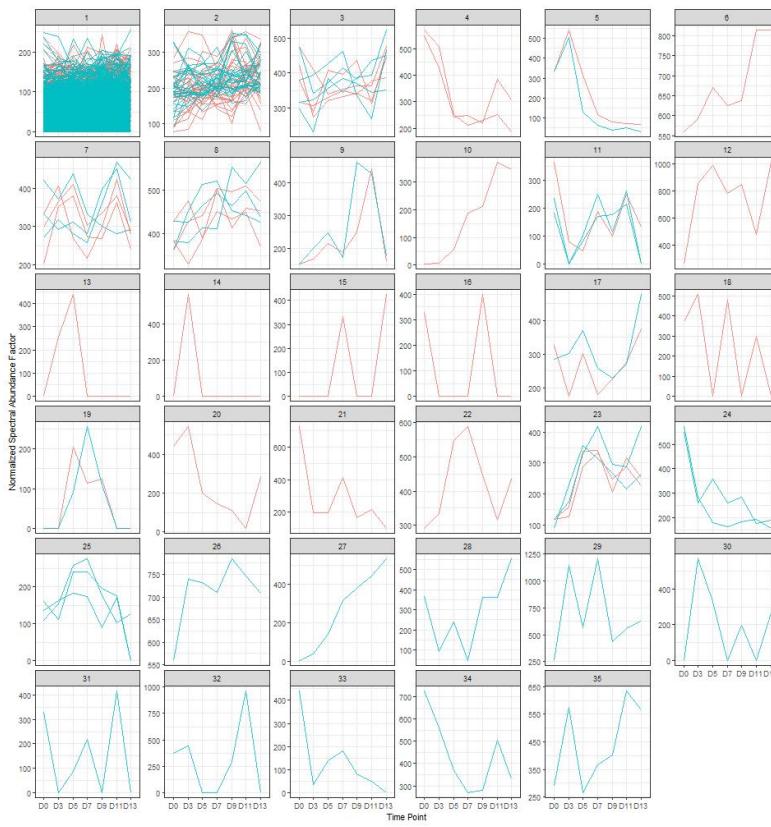
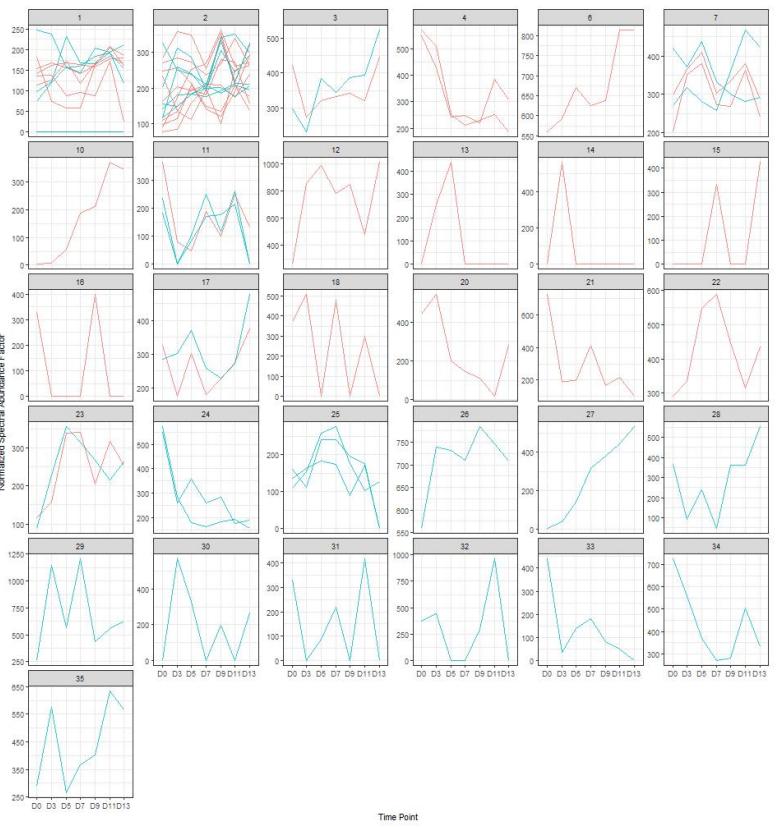
Ploidy x heat stress effect on global 5-mC DNA methylation

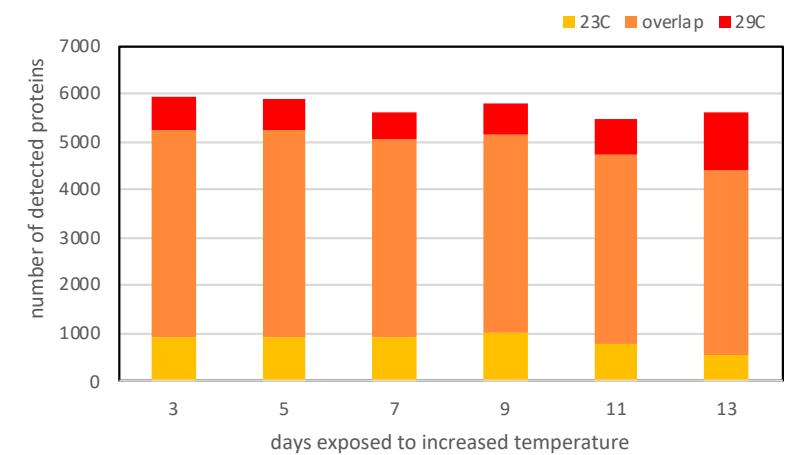
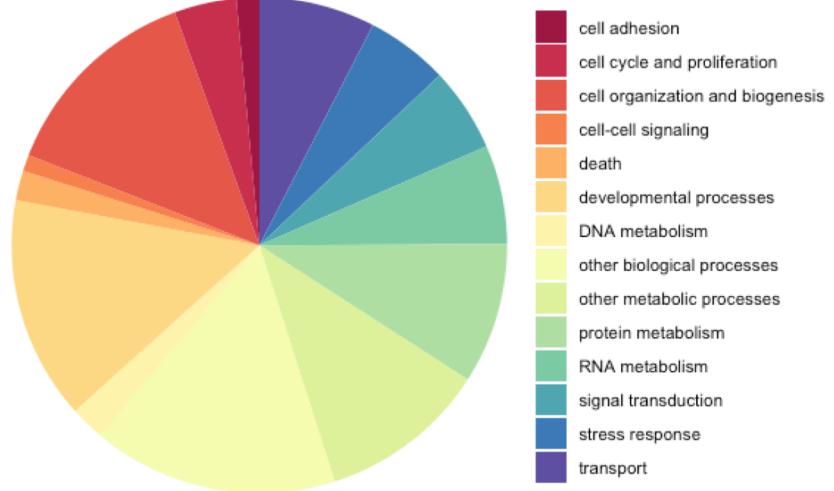


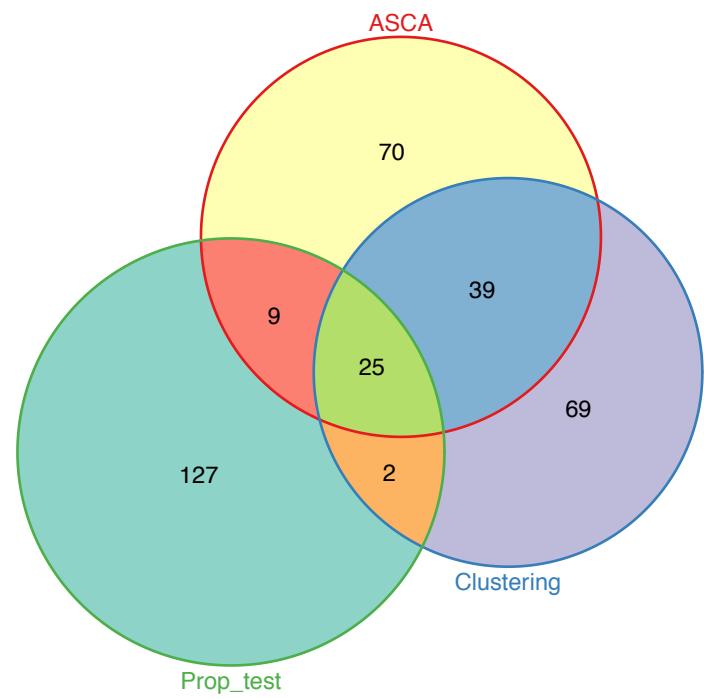
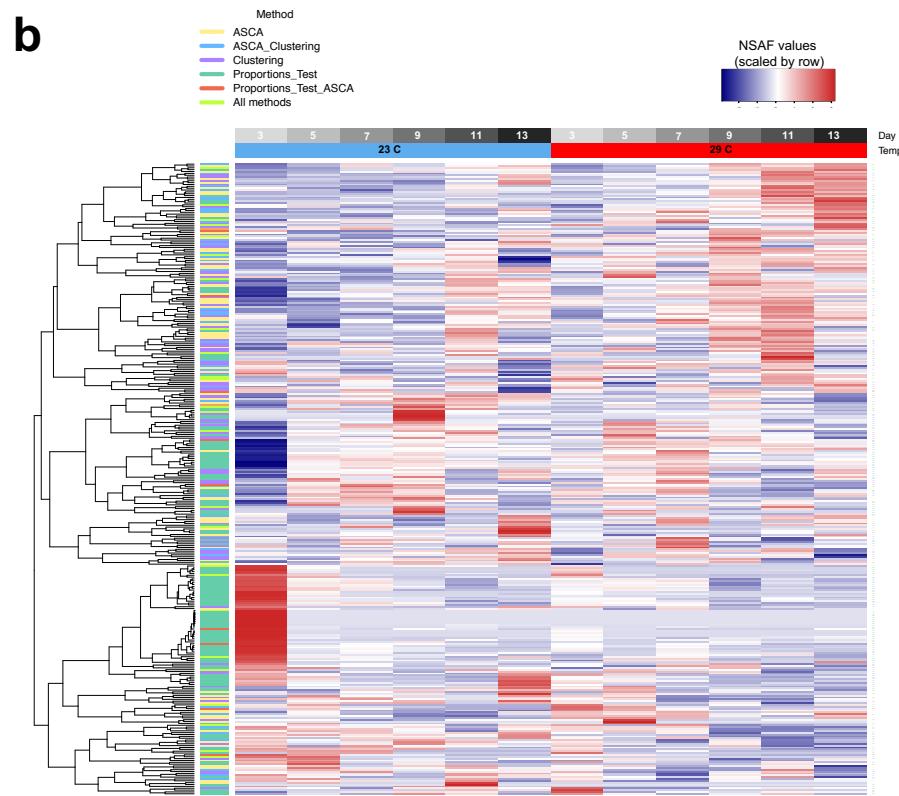


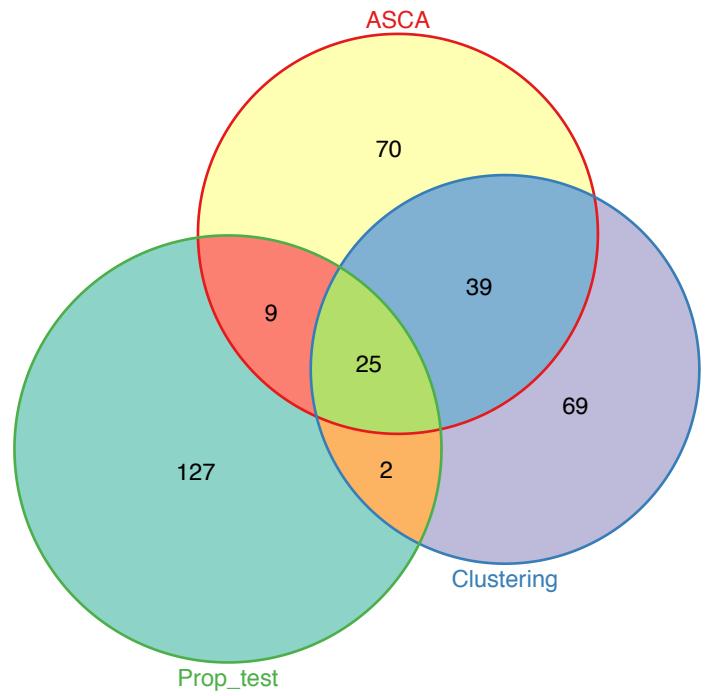
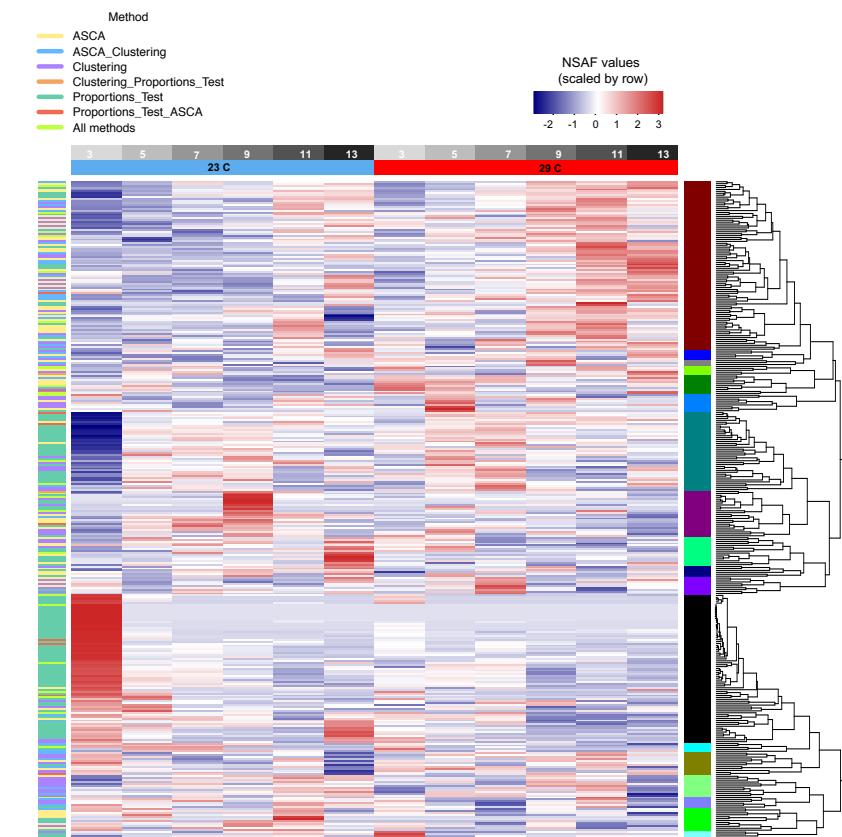
**a****b**

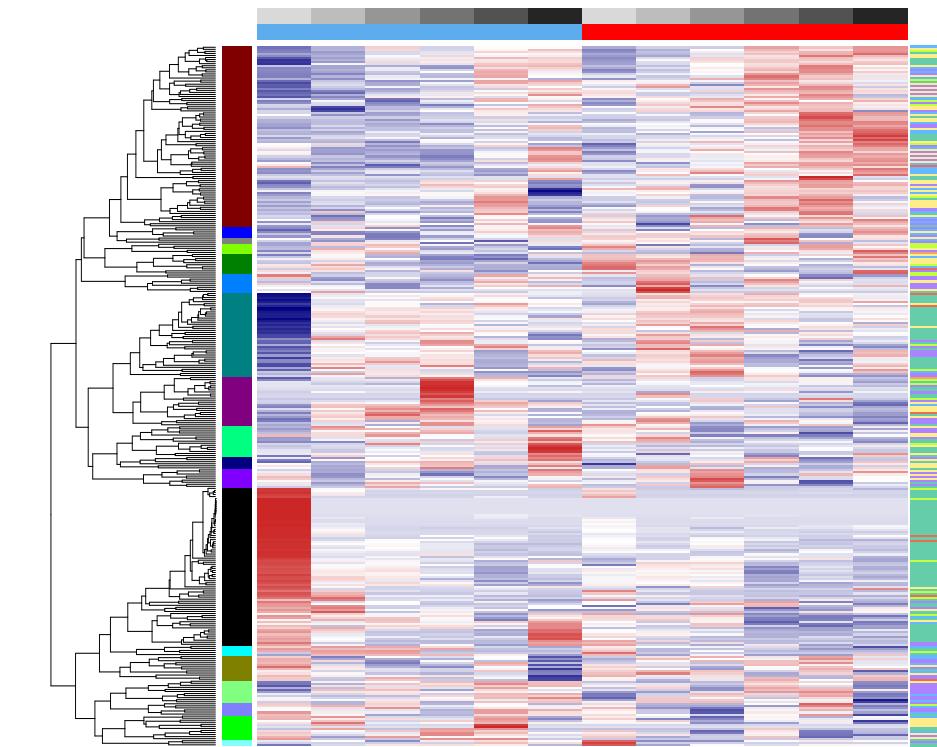
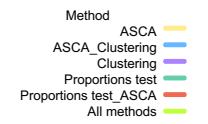
screen size range ( $\mu\text{m}$ )	23°C (# of seed)	29°C (# of seed)
315-450	35,250	29,827
450-710	143,080	78,694
710-1000	110,000	136,000
1000-1320	8,883	59,220
1320-1800	0	5,248

**a****b****c**

**a****b**

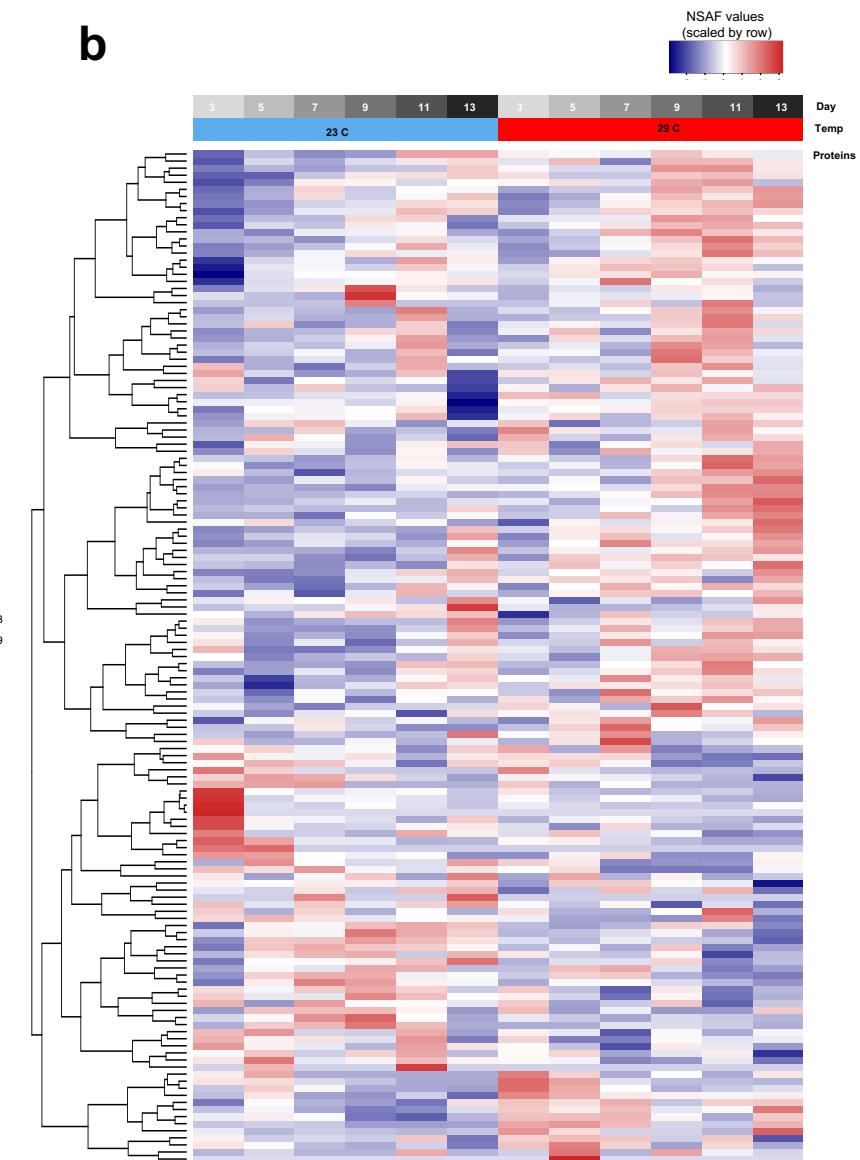
**a****b**

**a****b**



**a**

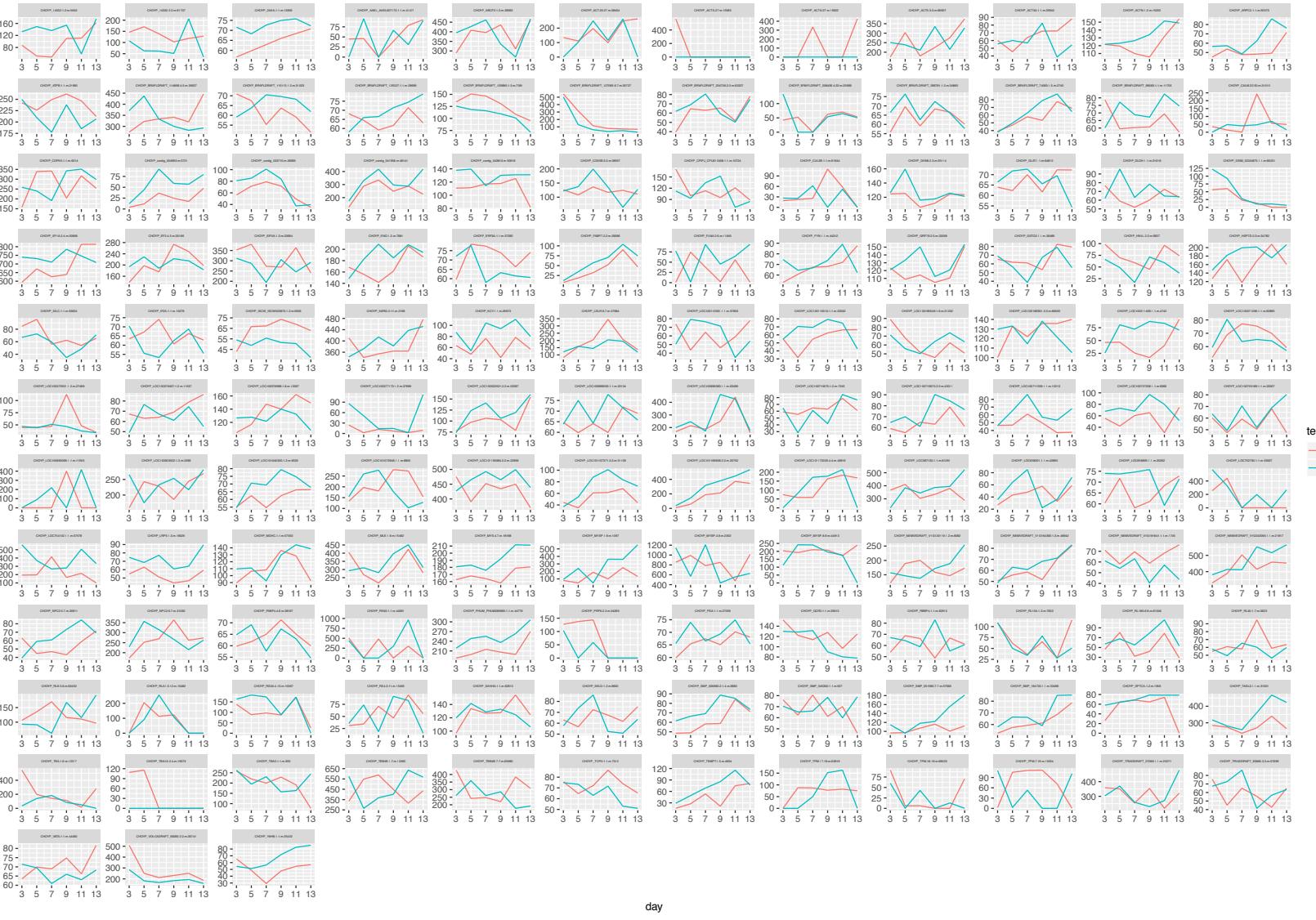
Avg NSAF Abundance for proteins selected by ASCA

**b**NSAF values  
(scaled by row)Day  
Temp  
Proteinstemp  
23  
29

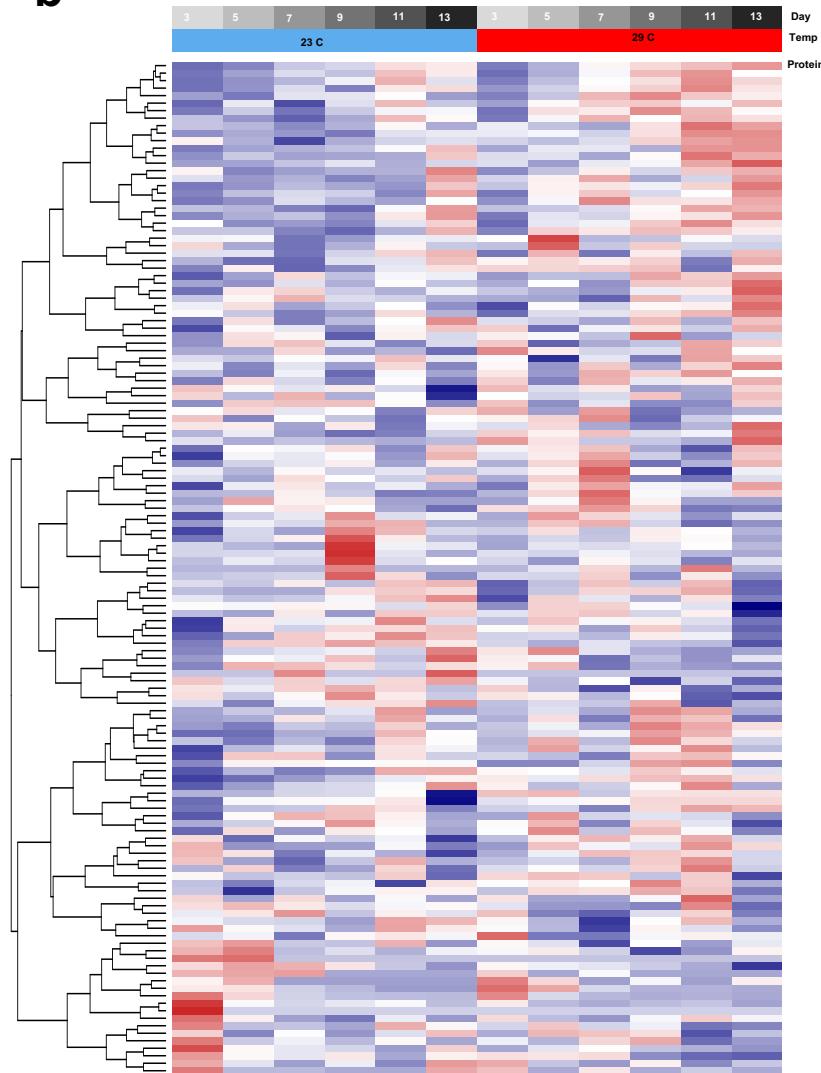
NSAF values  
(scaled by row)

a

Avg NSAF Abundance for proteins selected by clustering

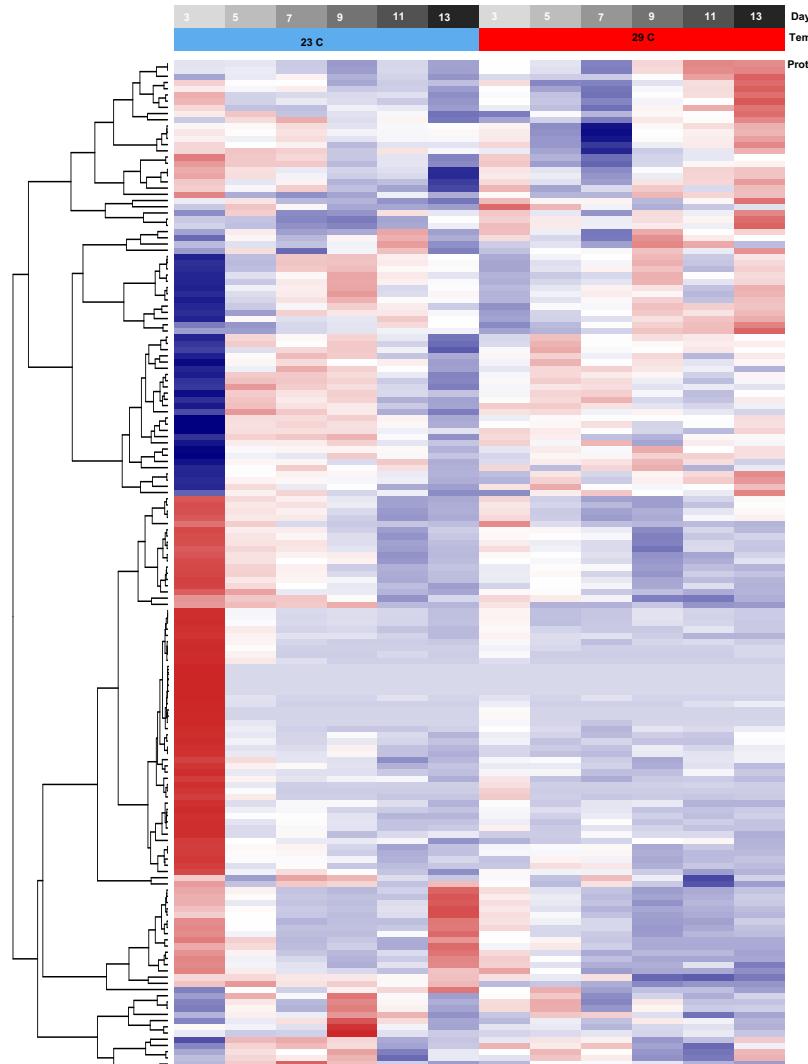


b



NSAF values  
(scaled by row)

**b**



**a**

Total Spectral Abundance for proteins selected by ChiSq prop. test pval 0.1

