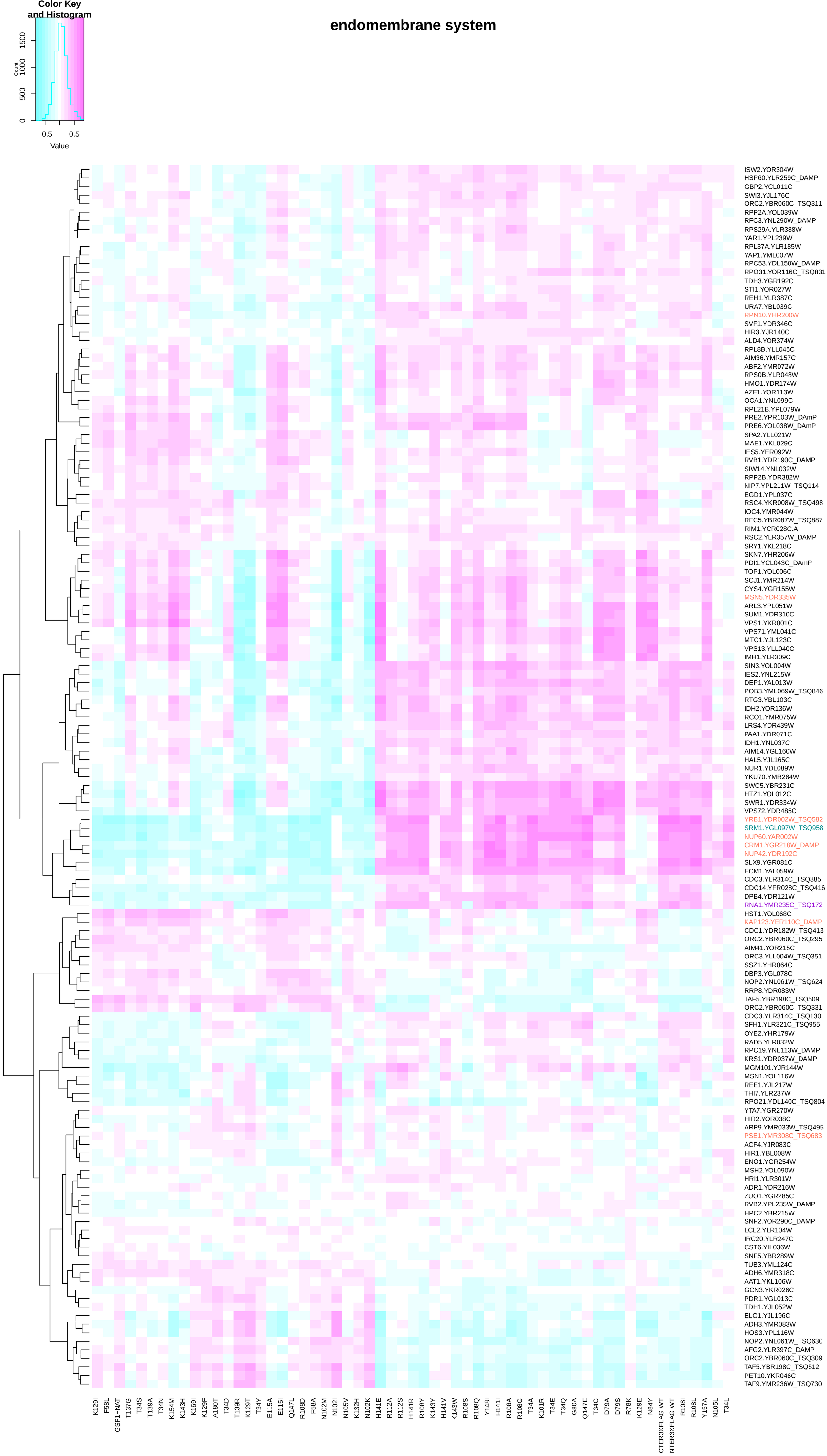
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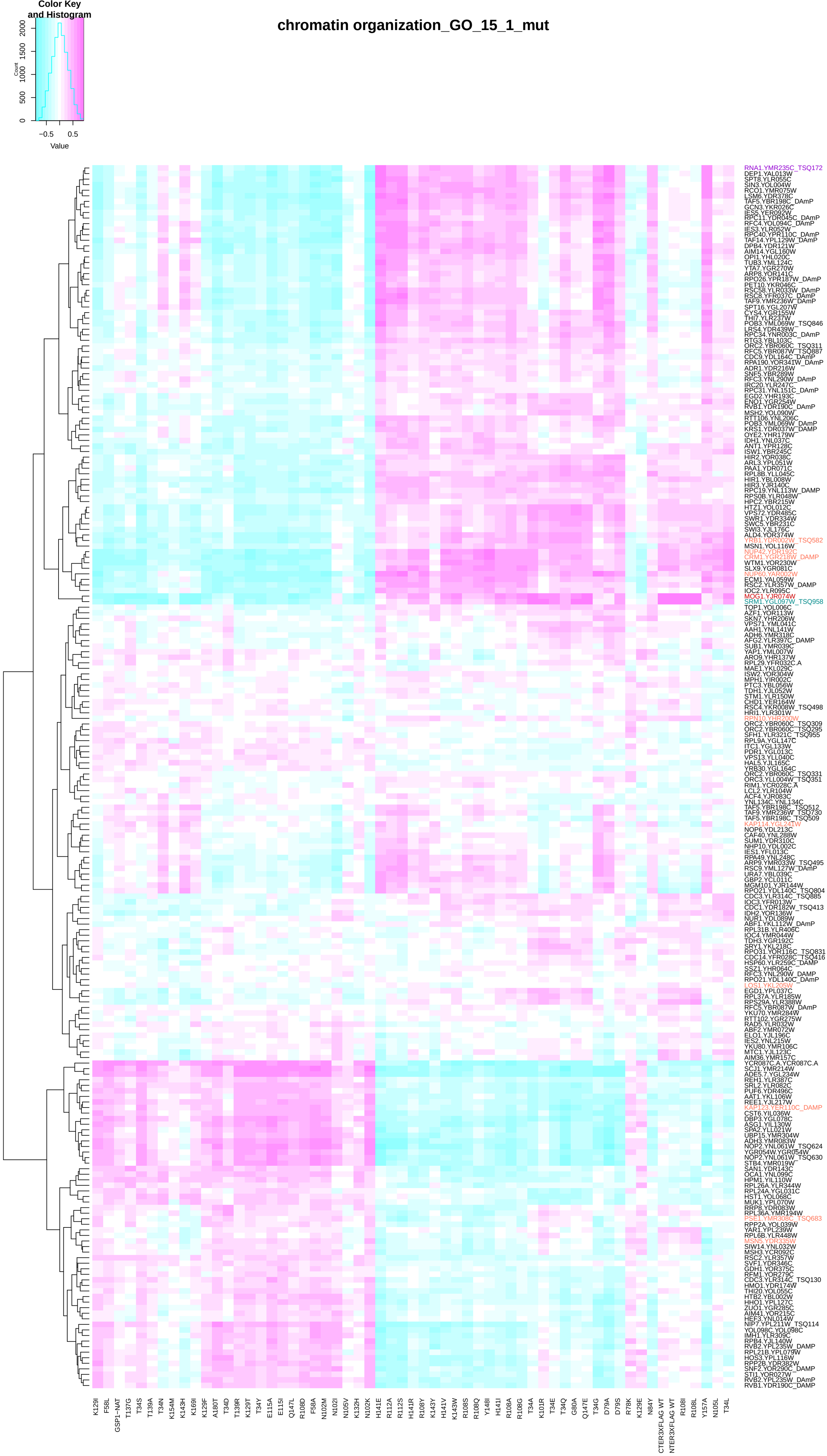
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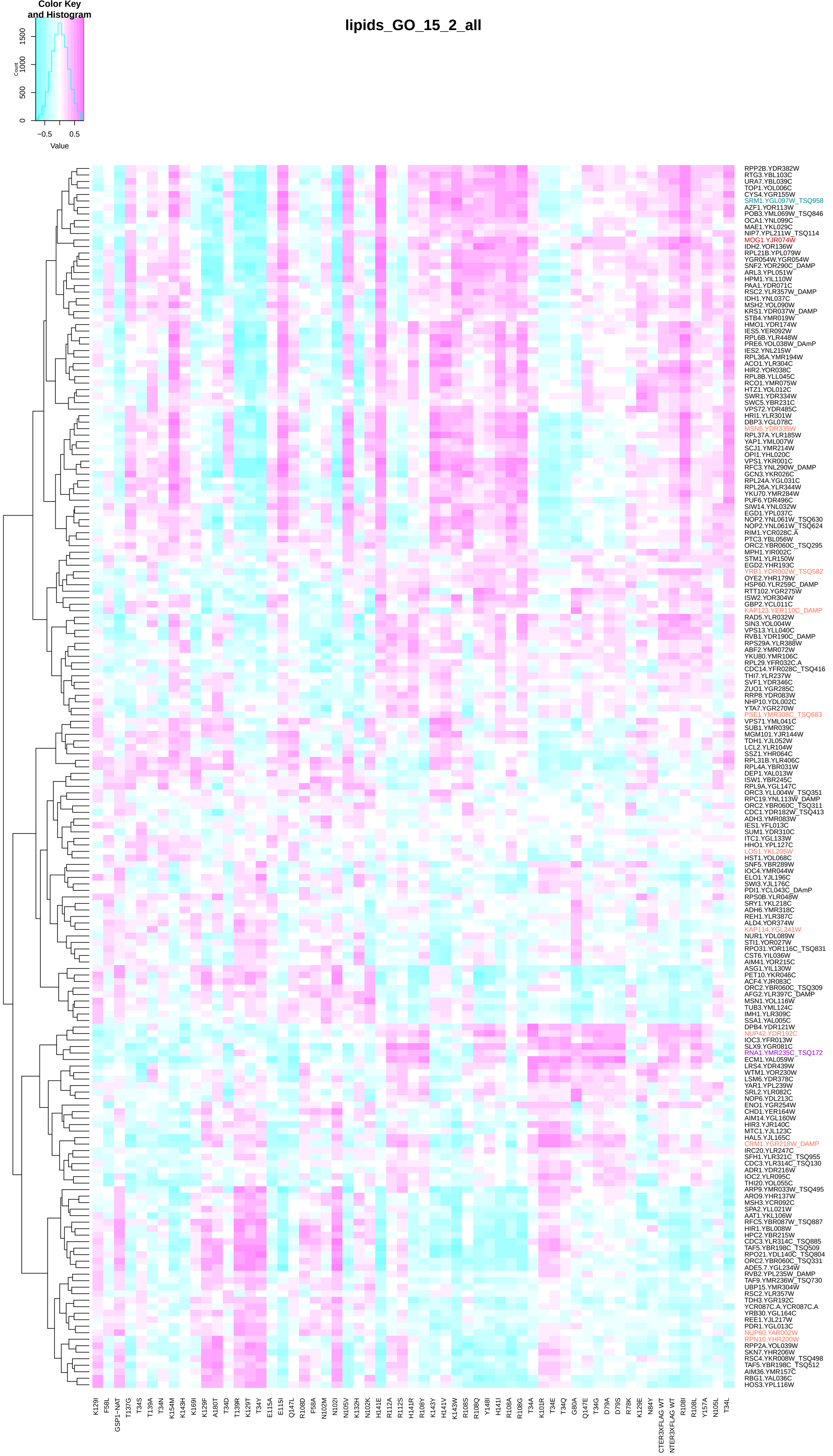
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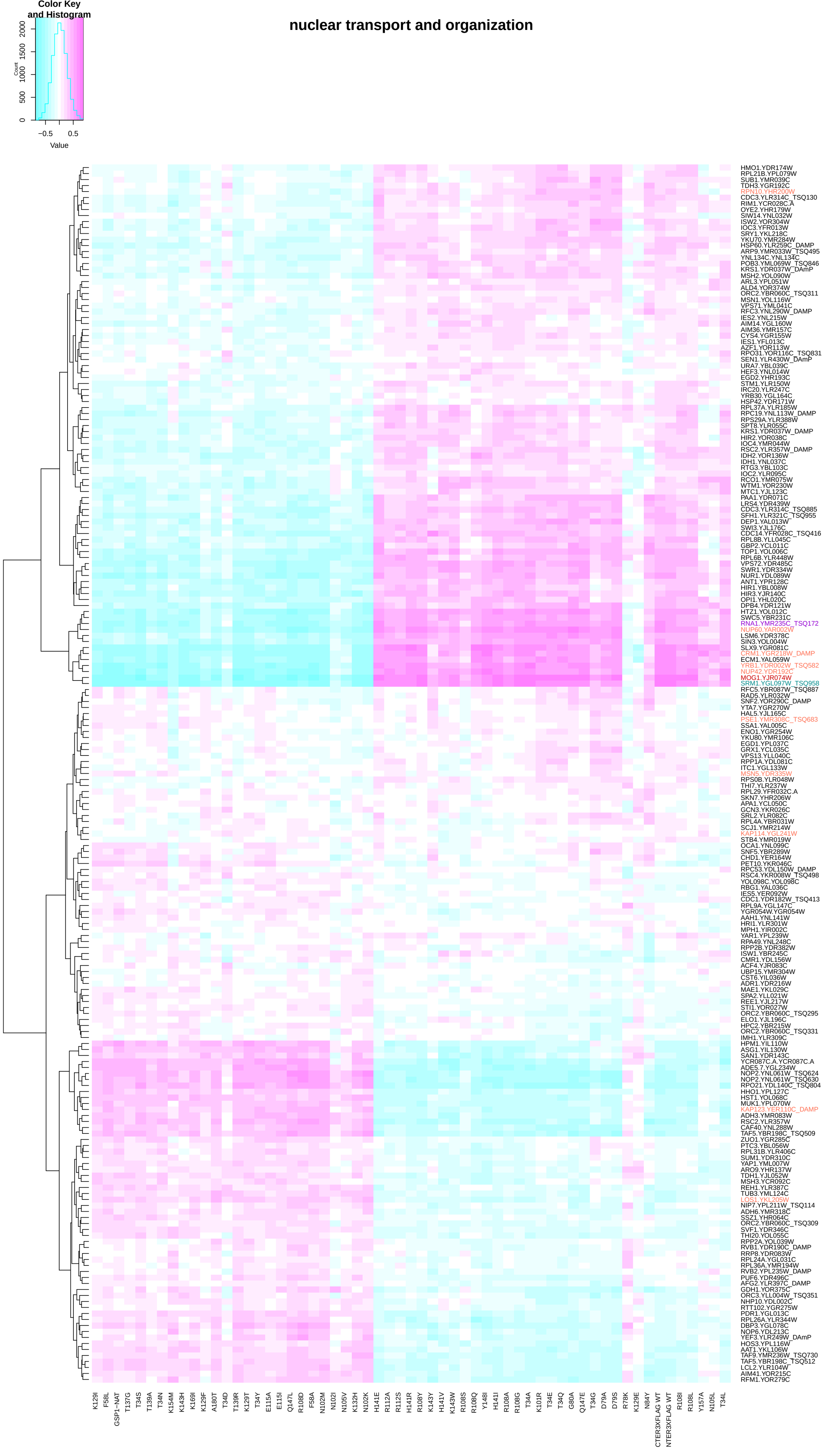
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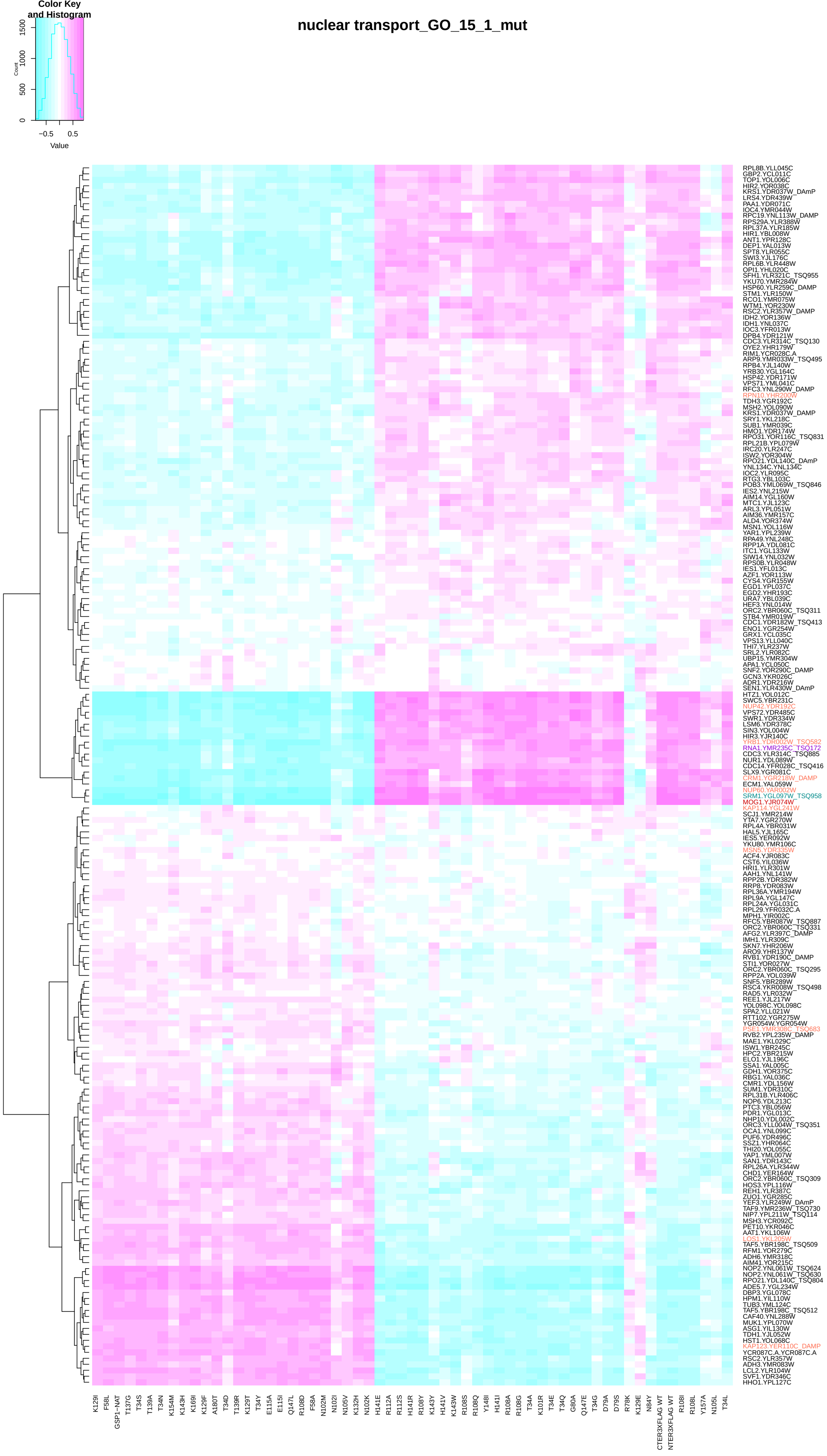
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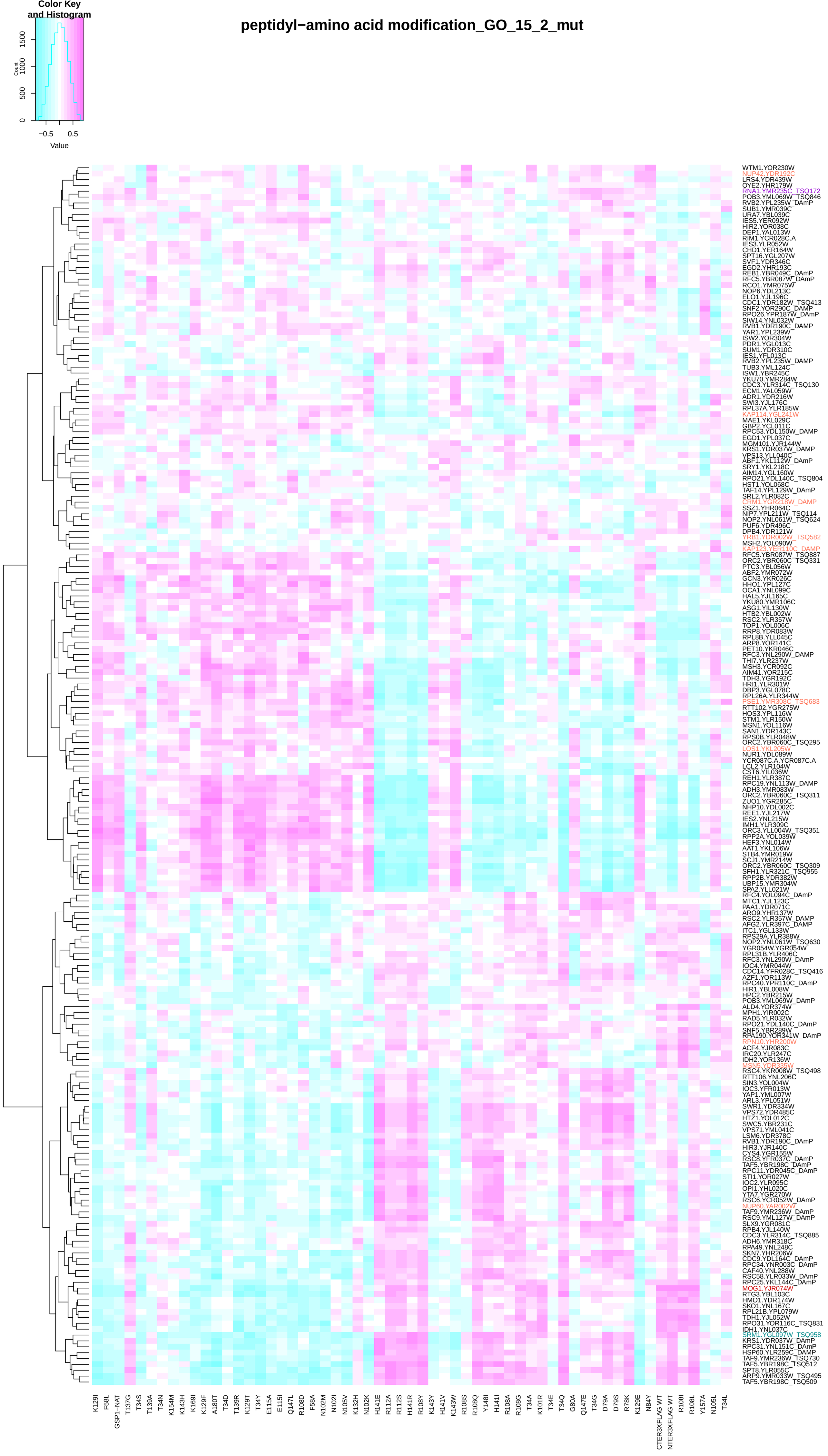
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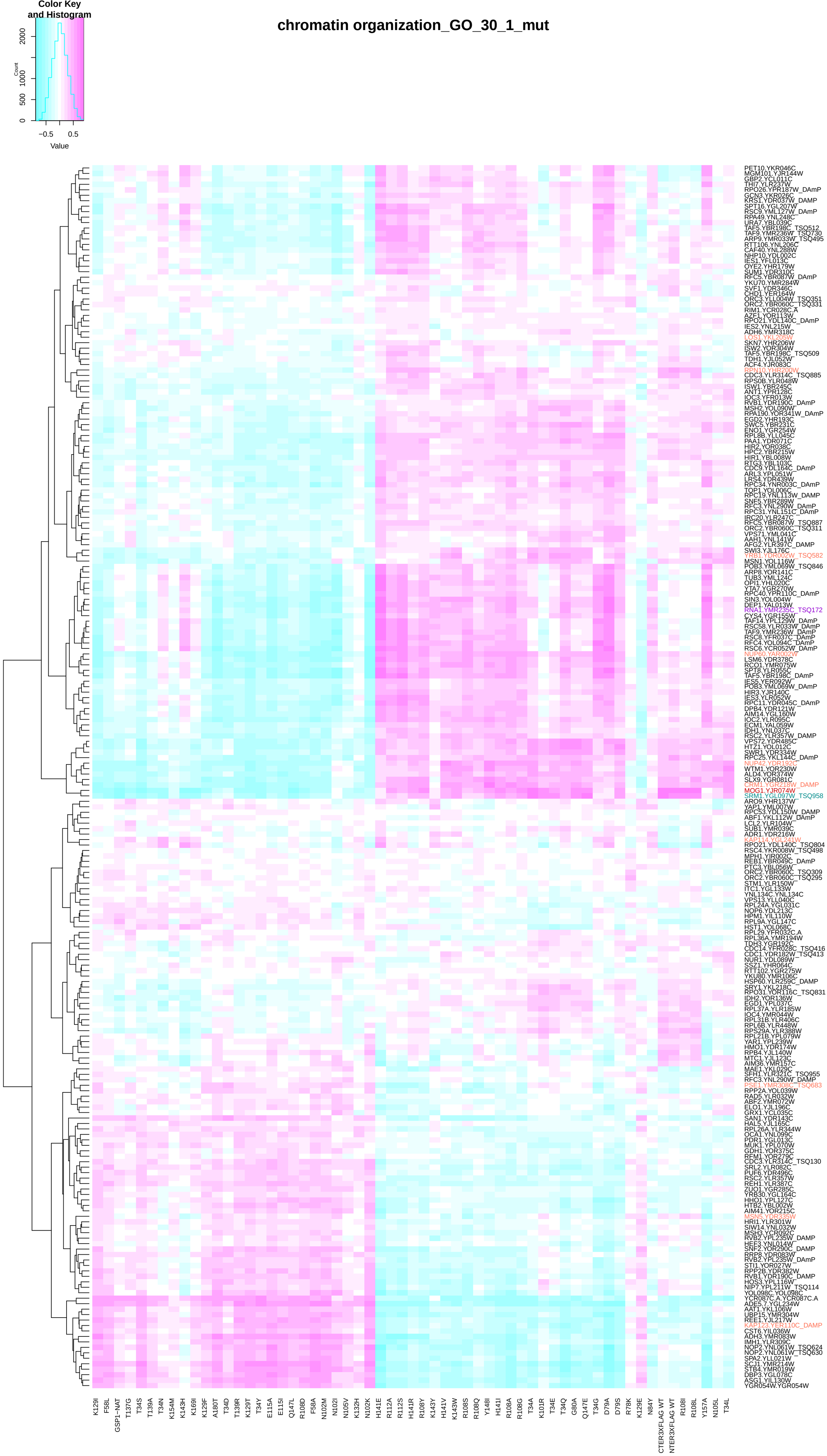
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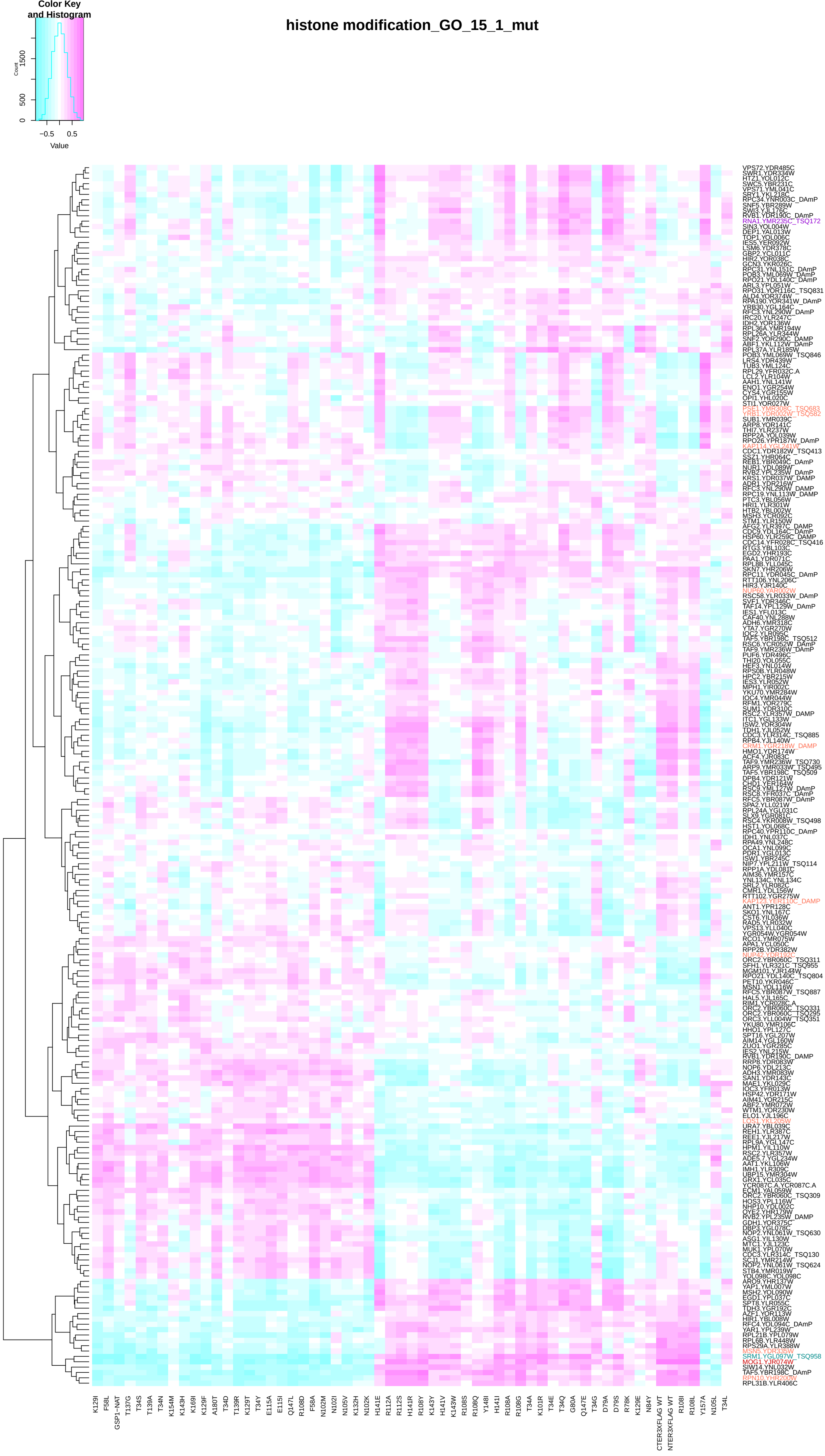
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CAF40.YNL288W
ADH6.YMR318C
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IOC2.YLR095C
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TAF9.YMR236W_DAmP
PUF6.YDR496C
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HEF3.YNL014W
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ACF4.YJR083C
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DPB4.YDR121W
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URA7.YBL039C
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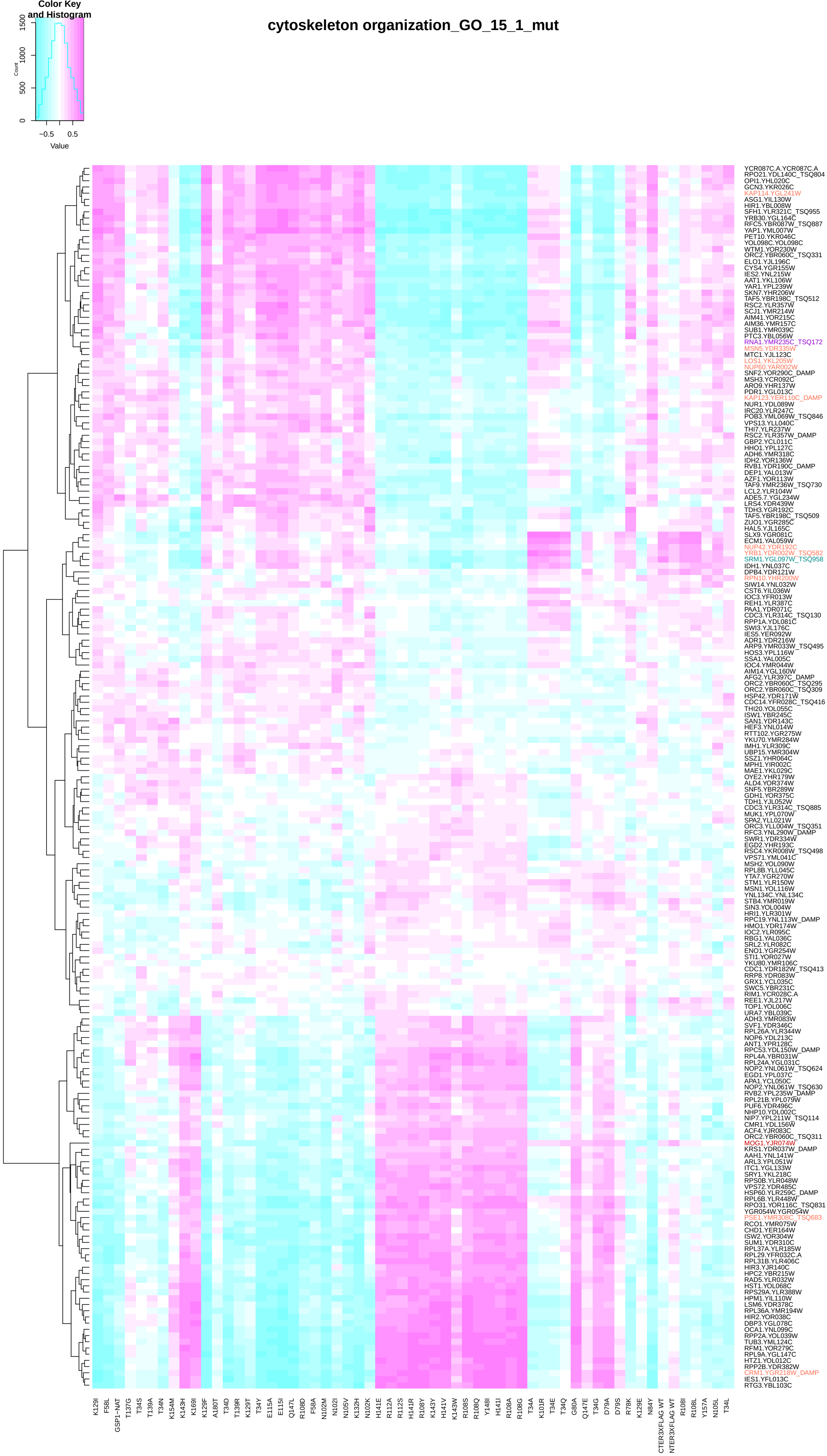
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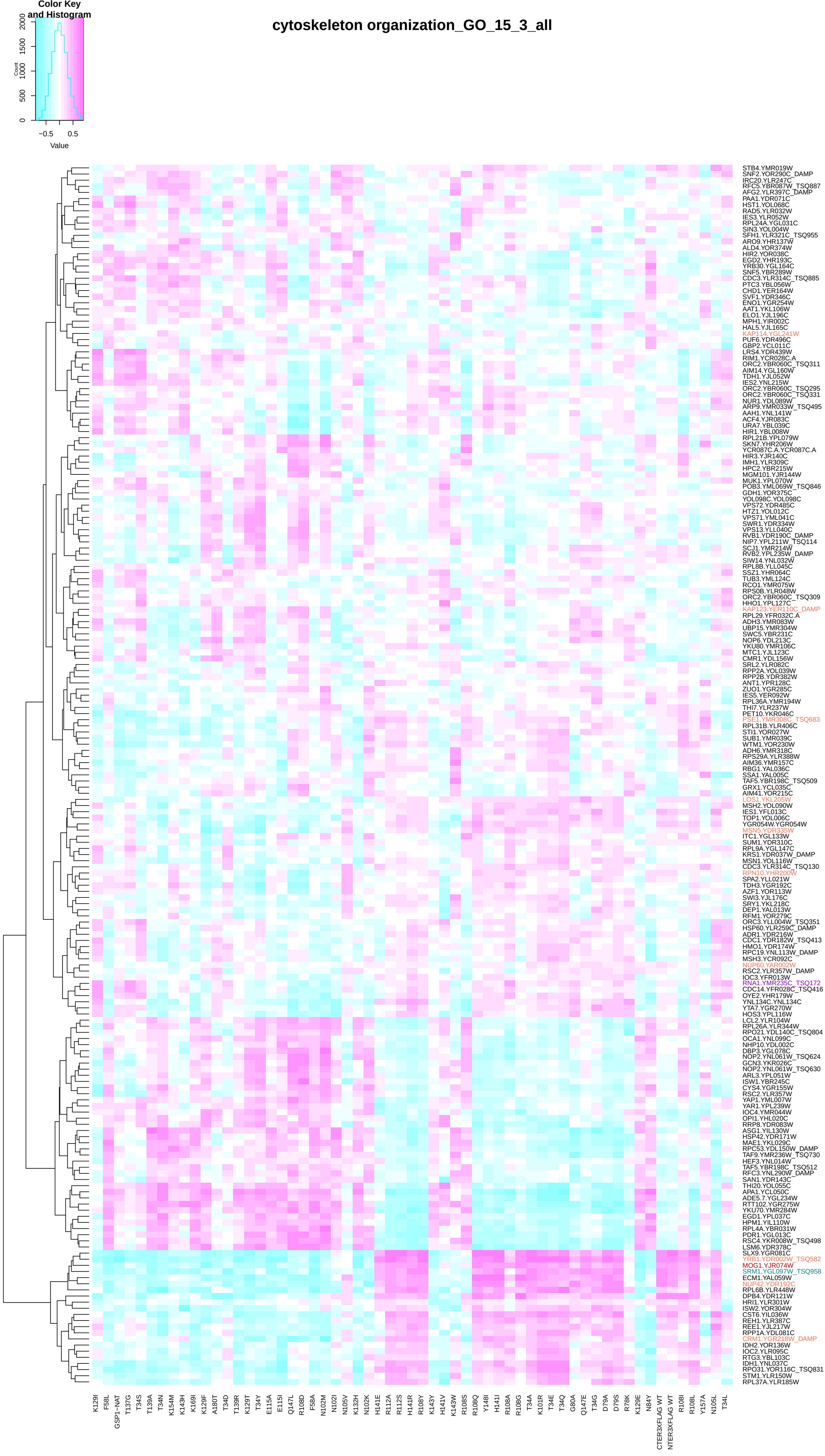
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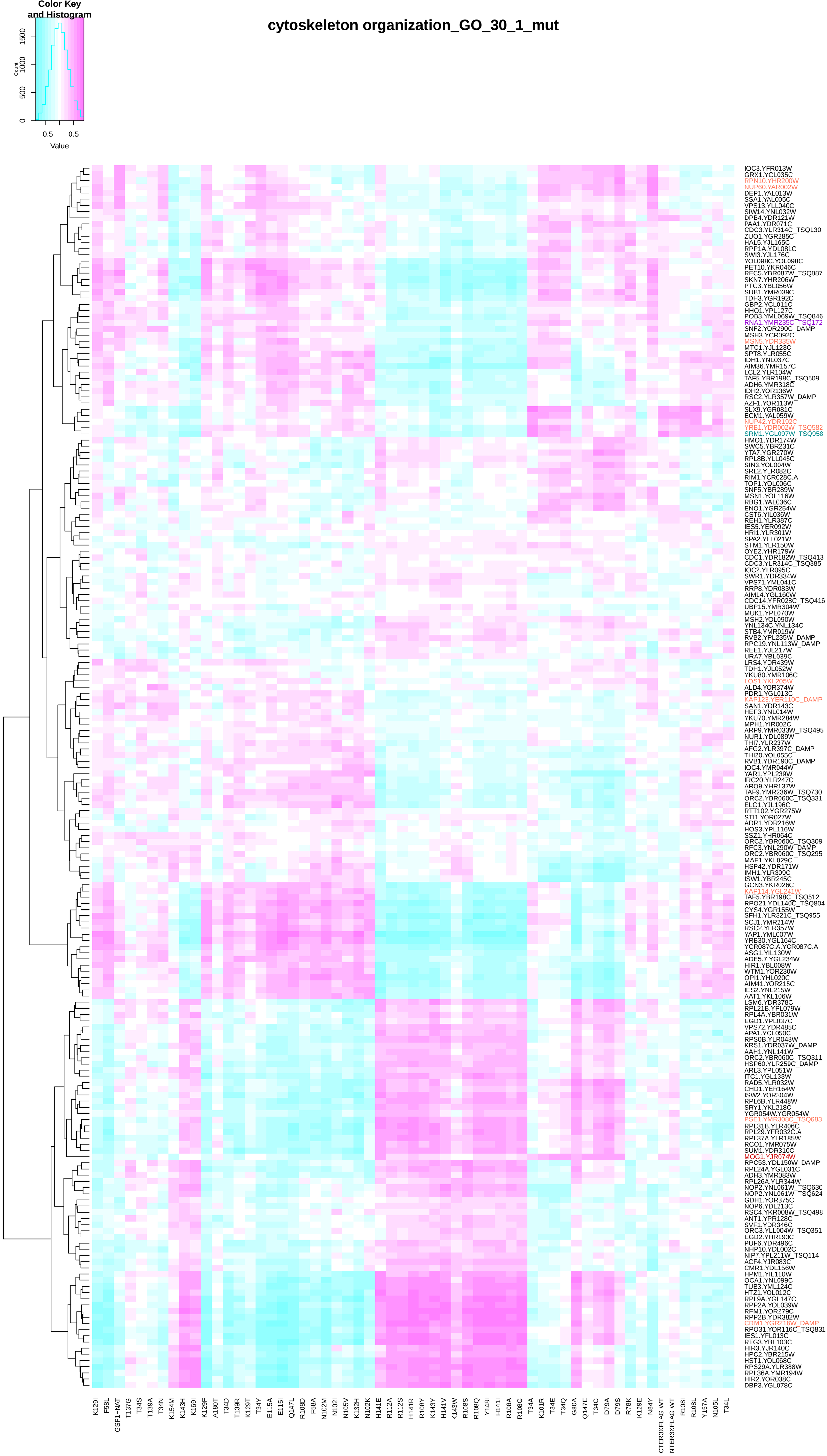
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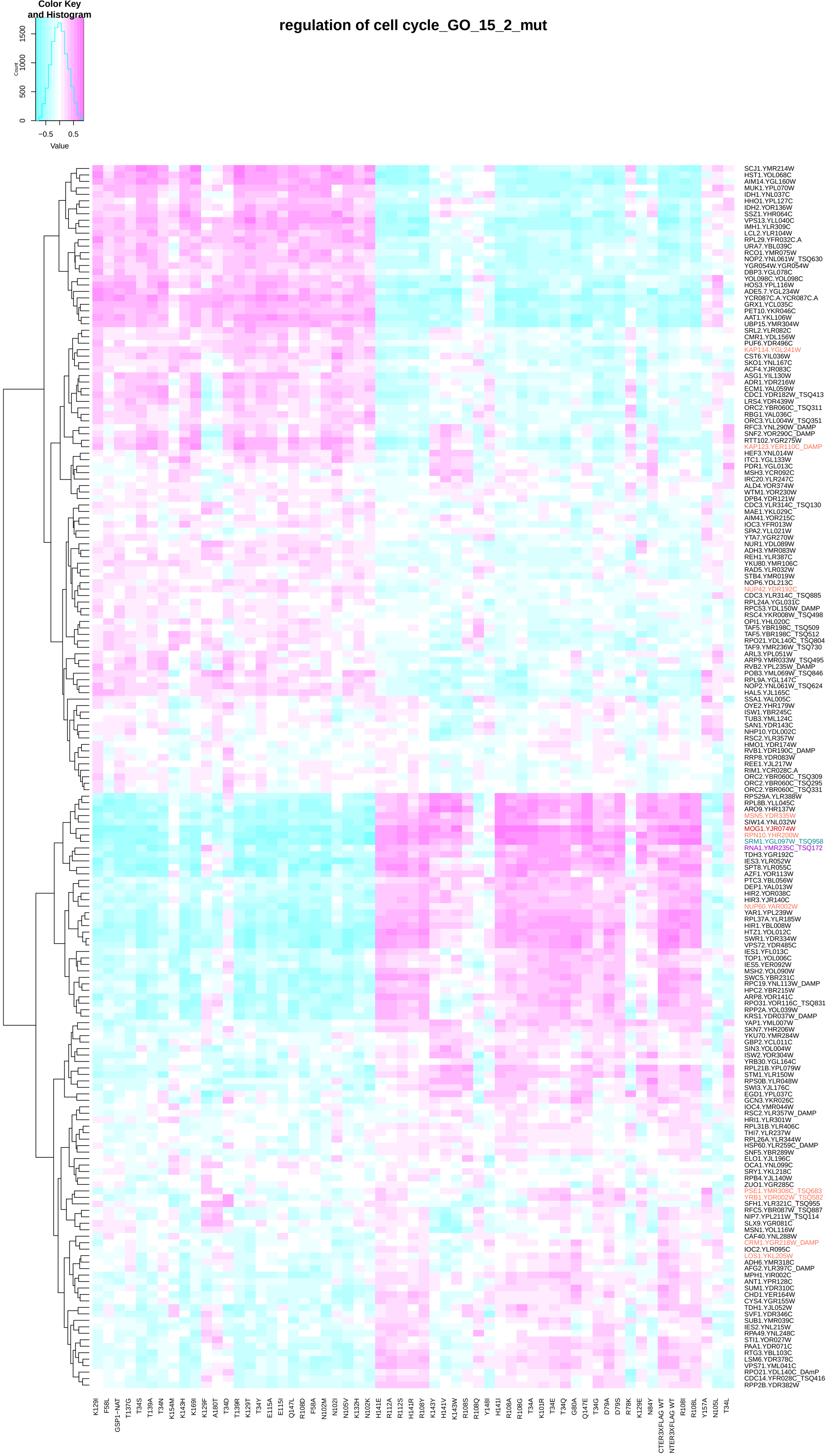
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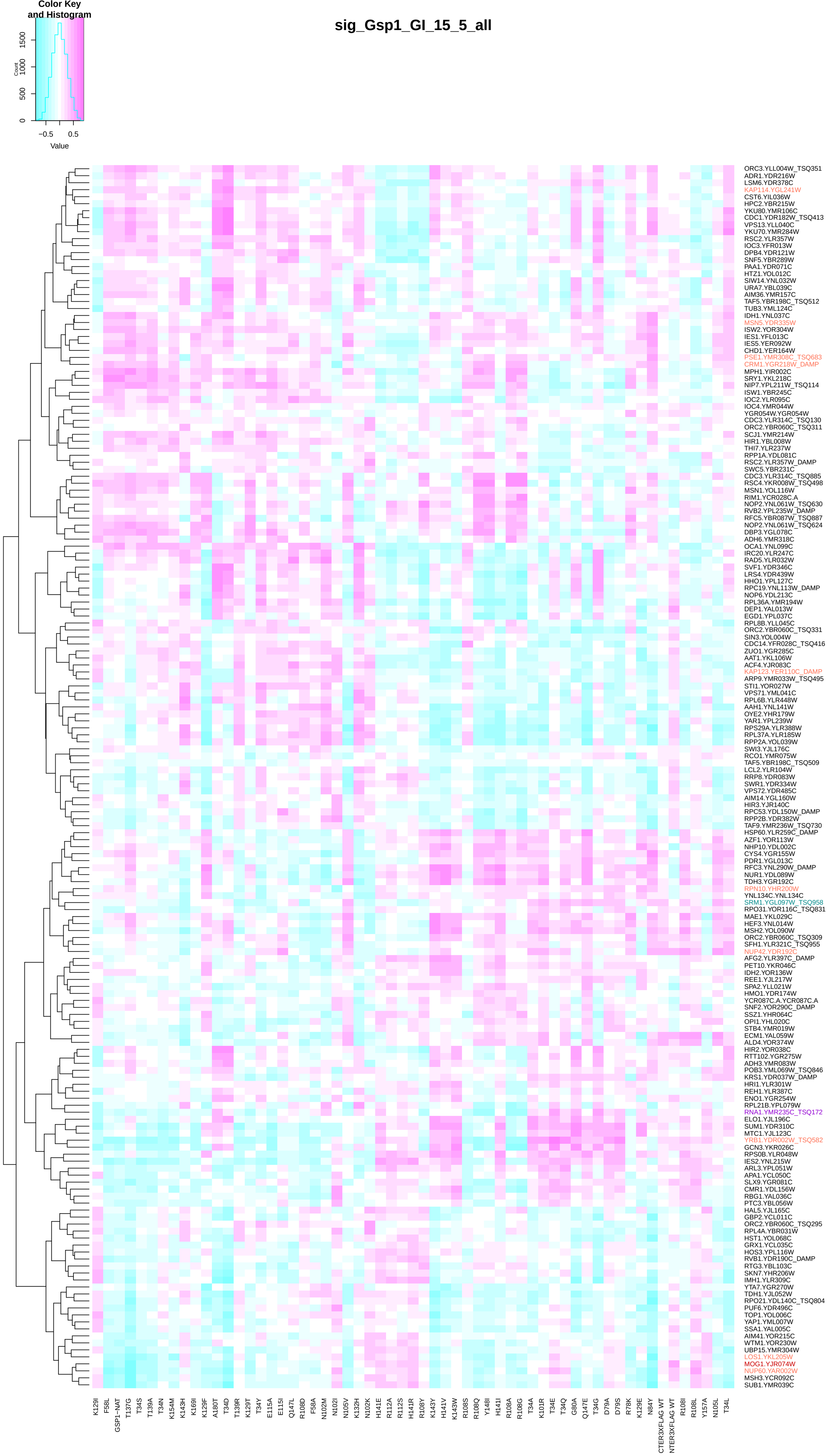
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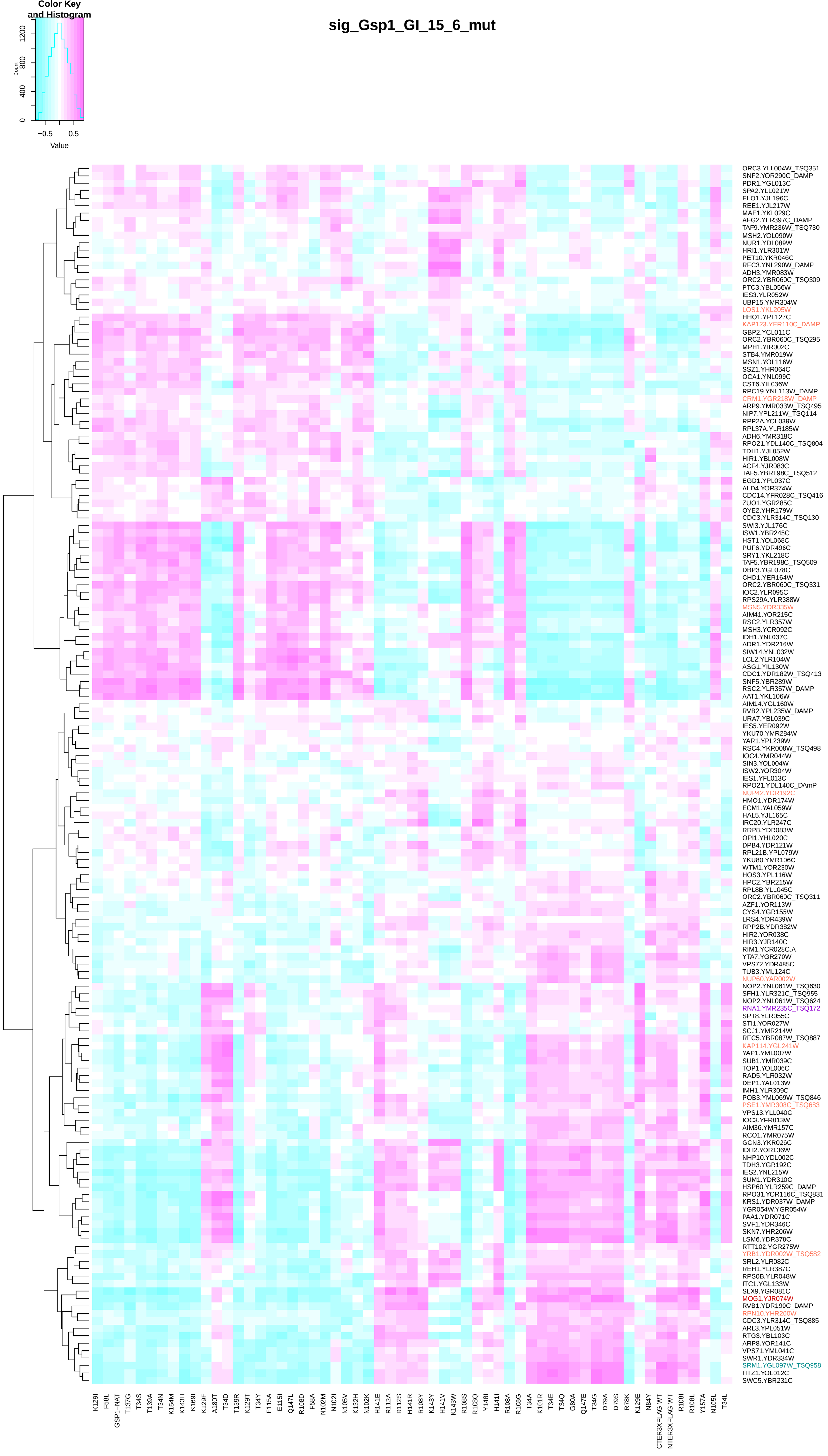
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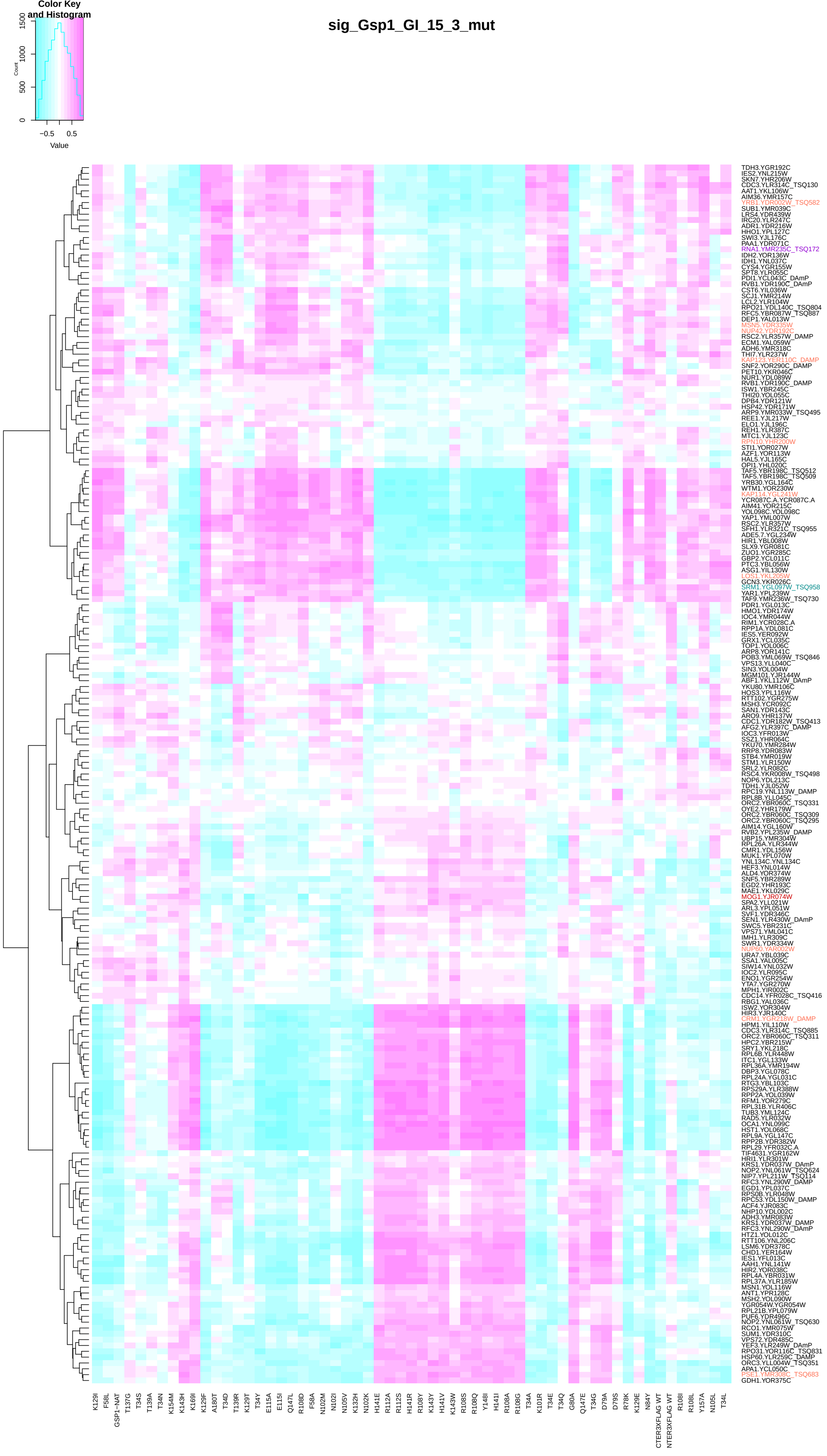
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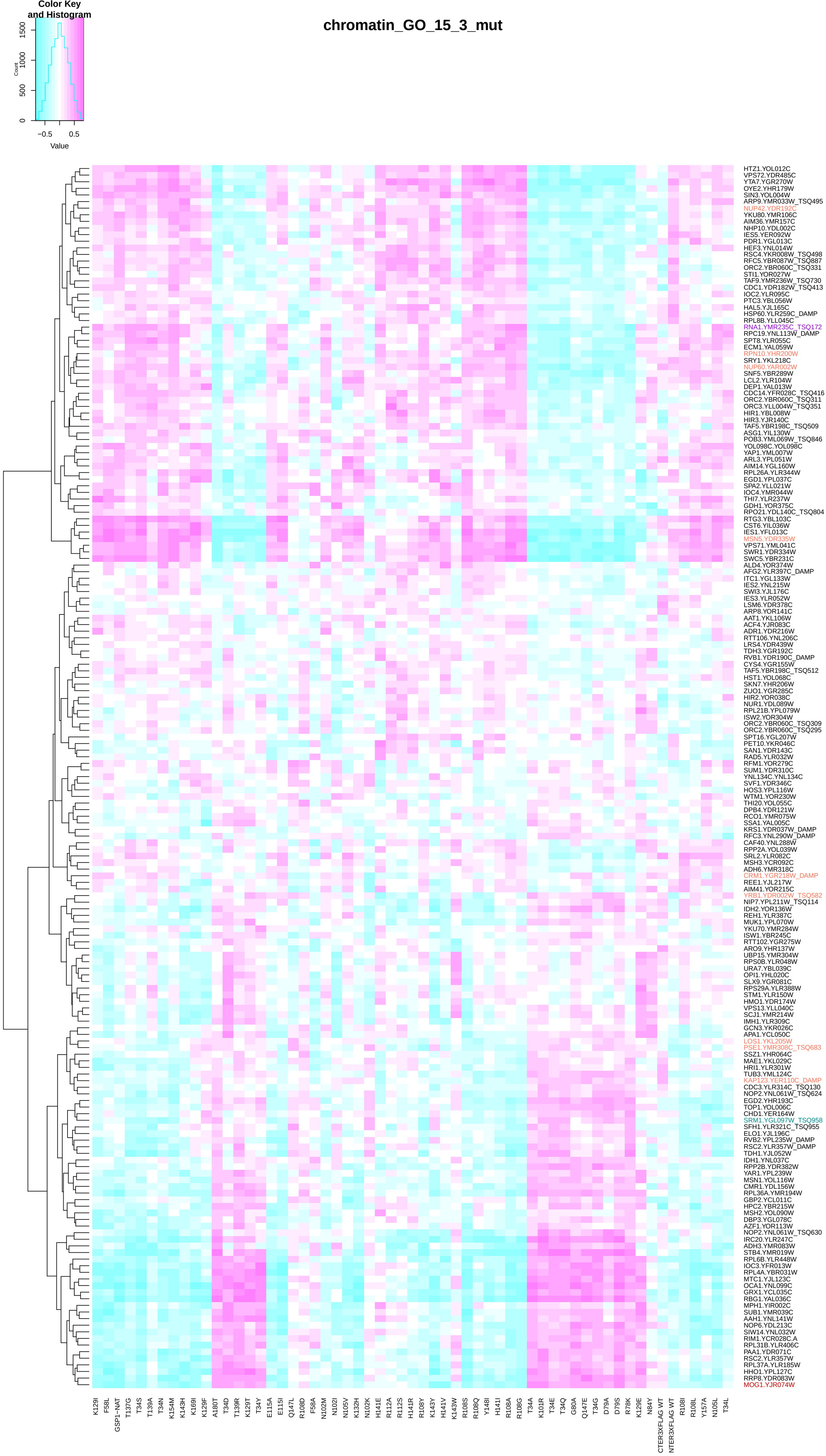
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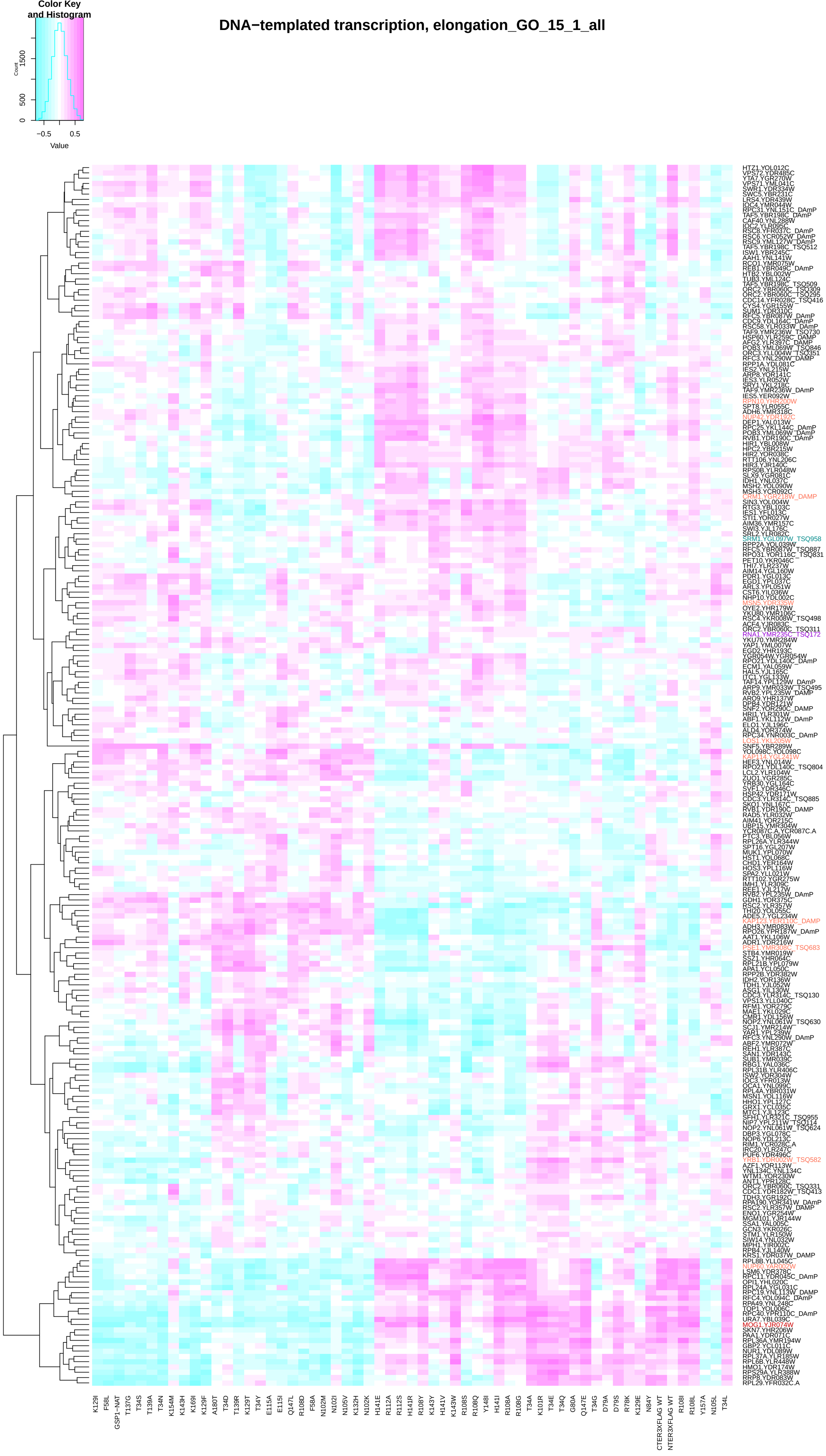
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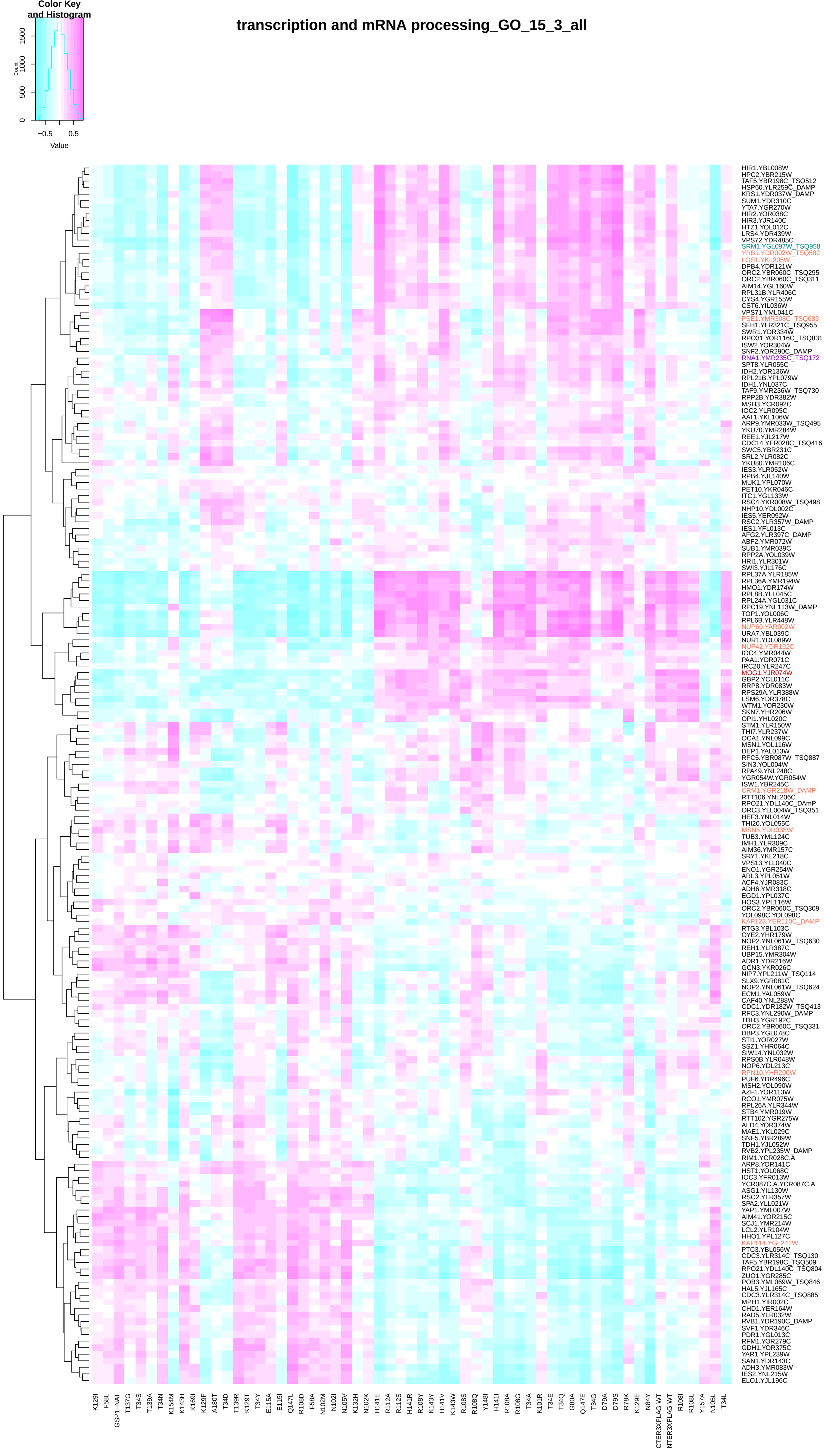
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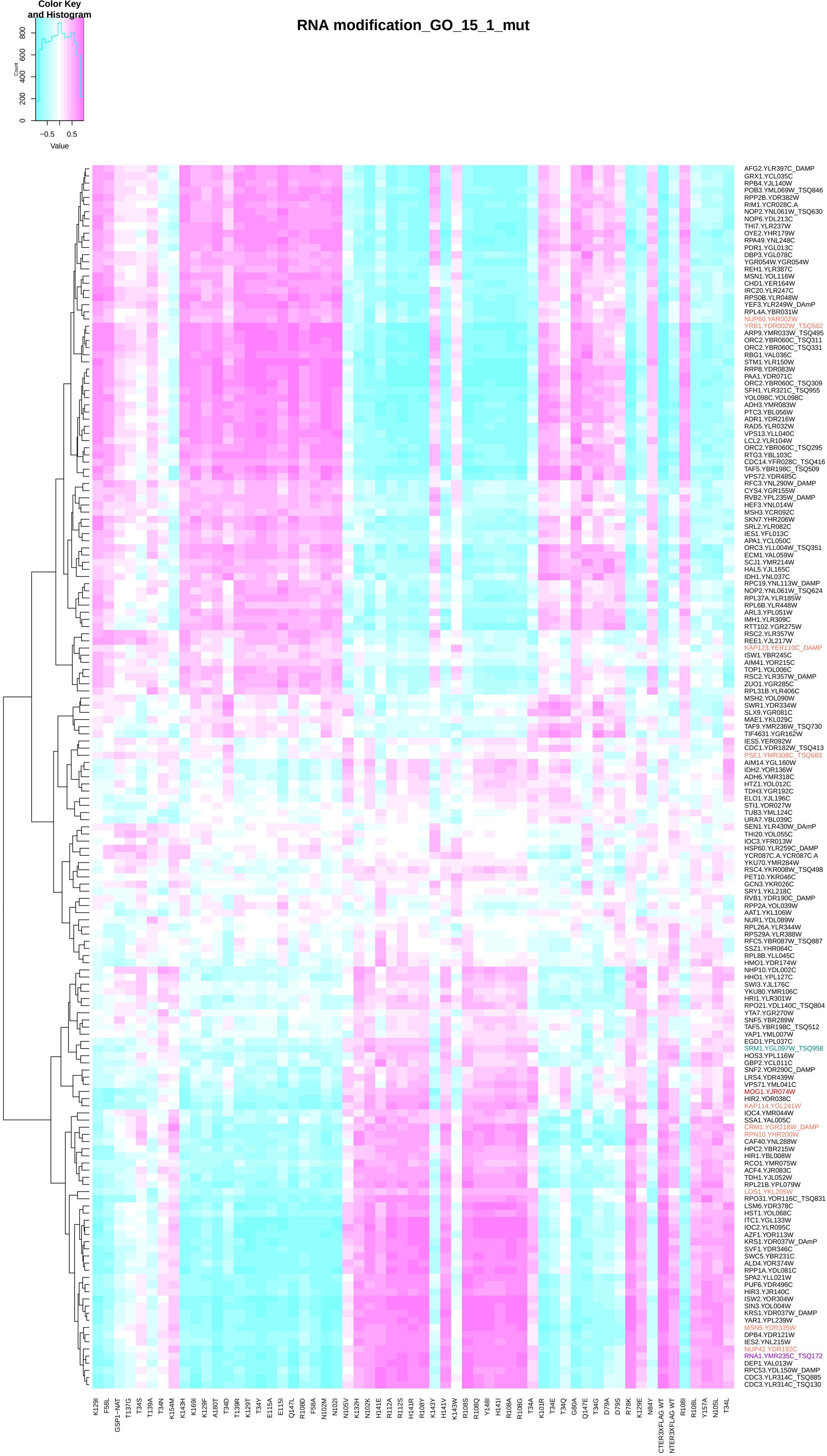
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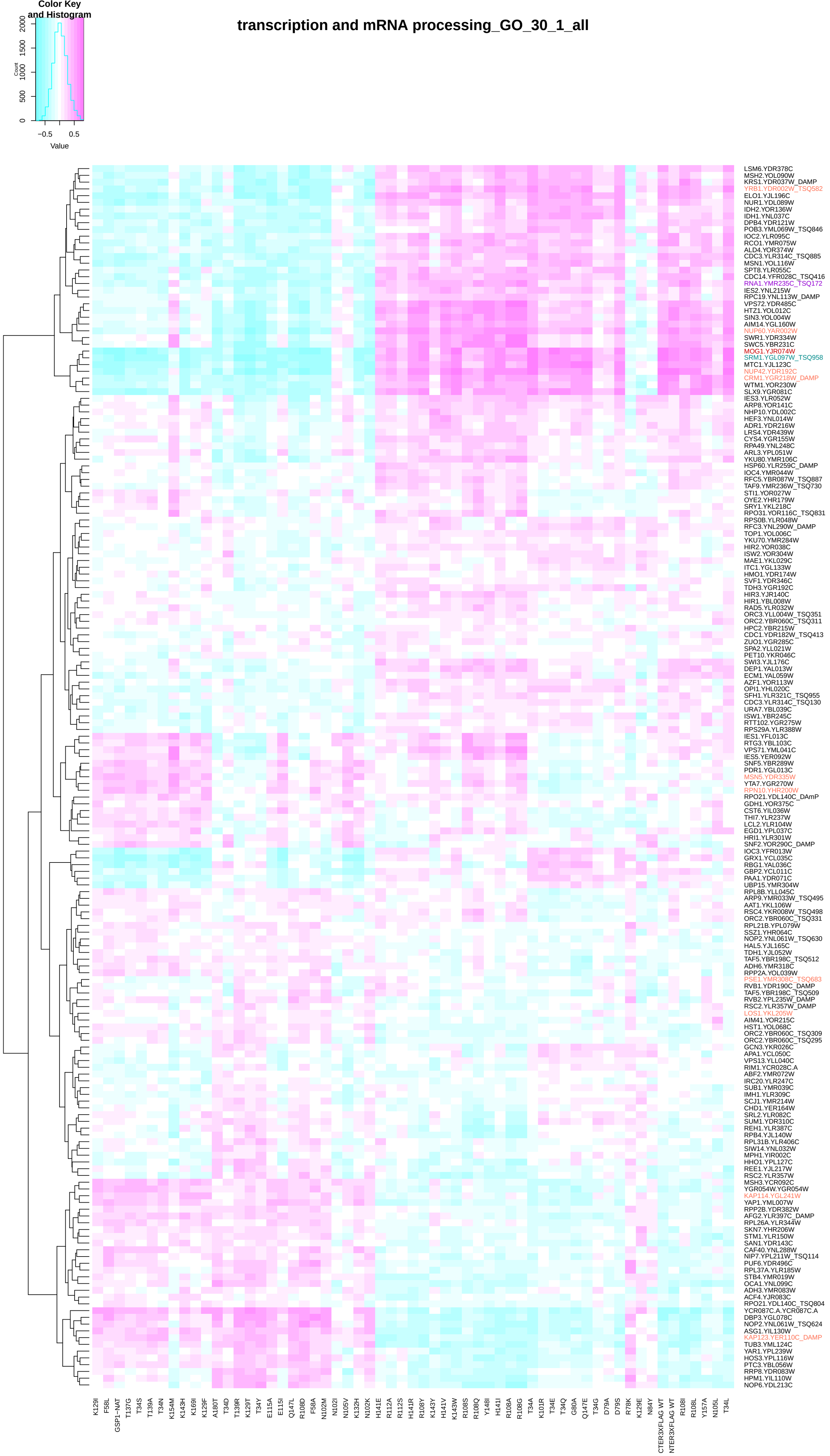
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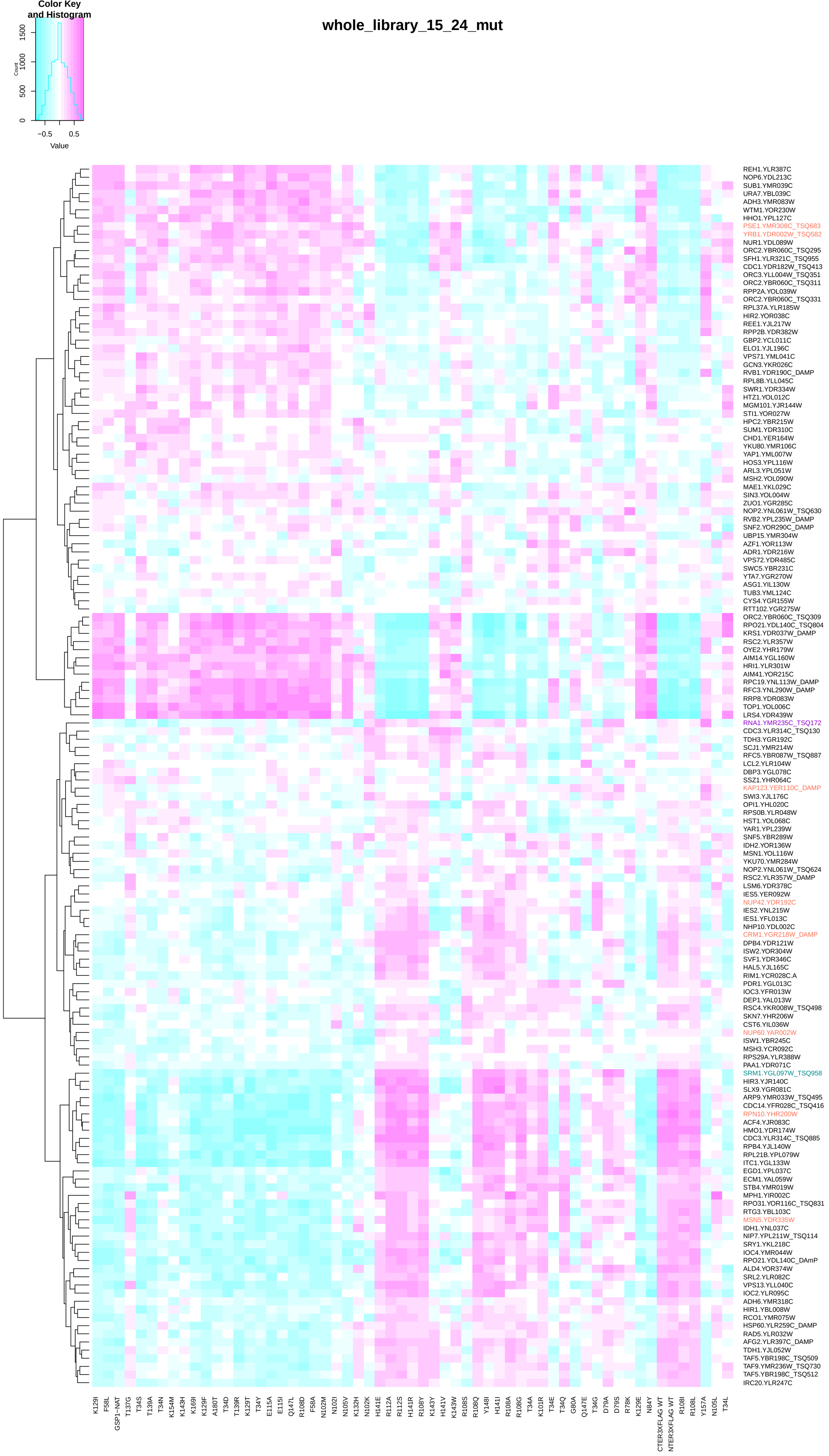
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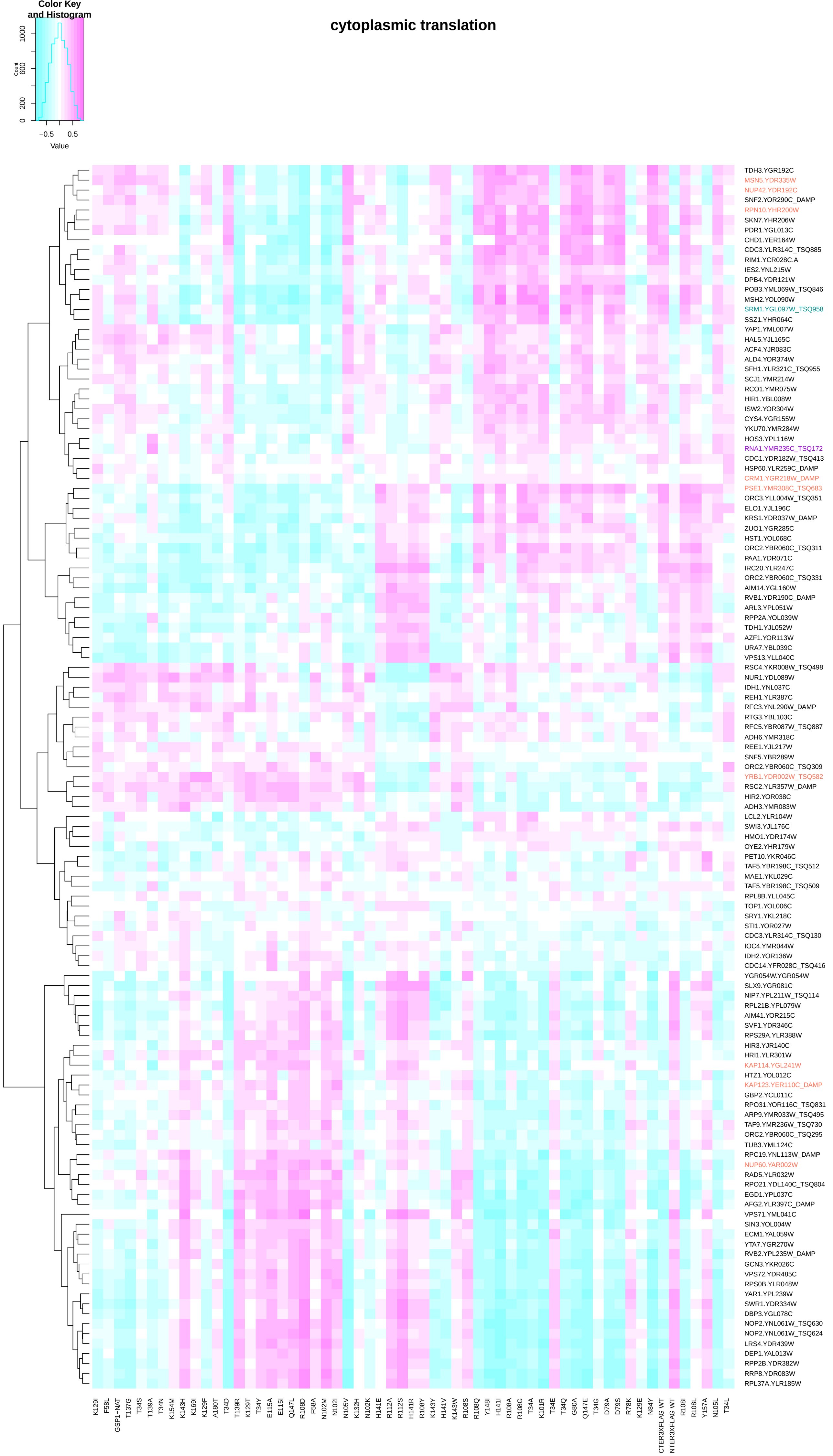
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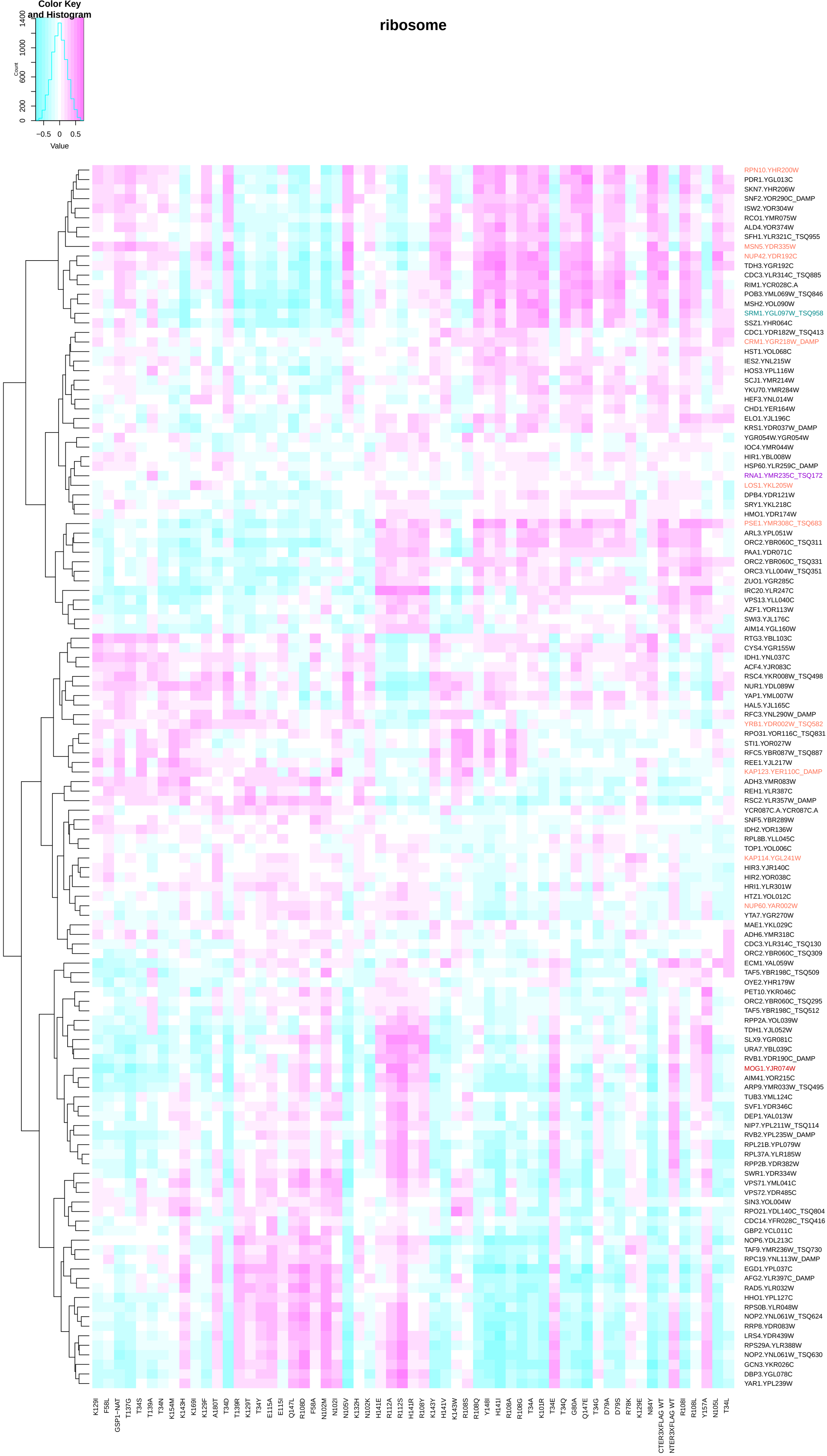
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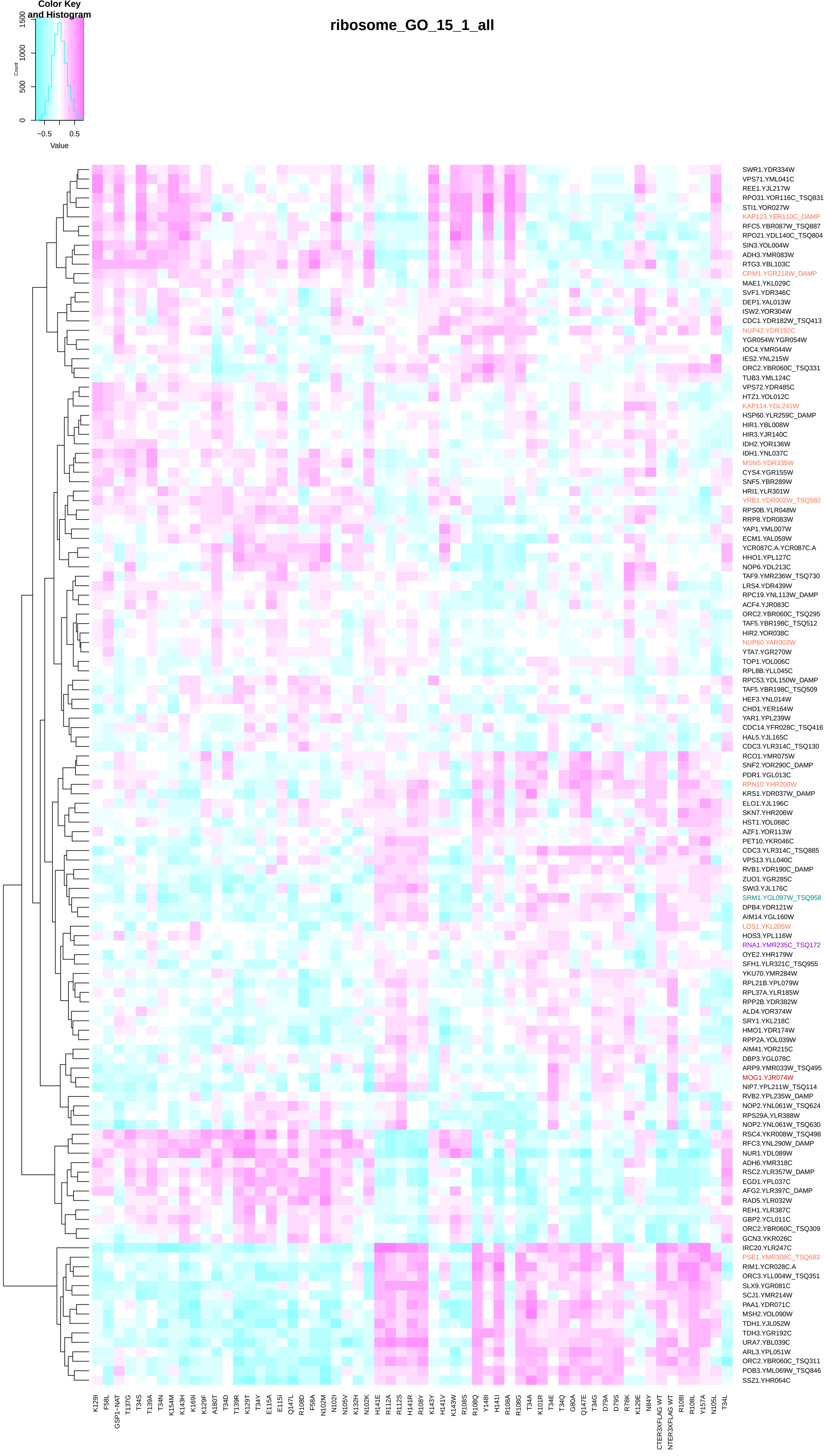
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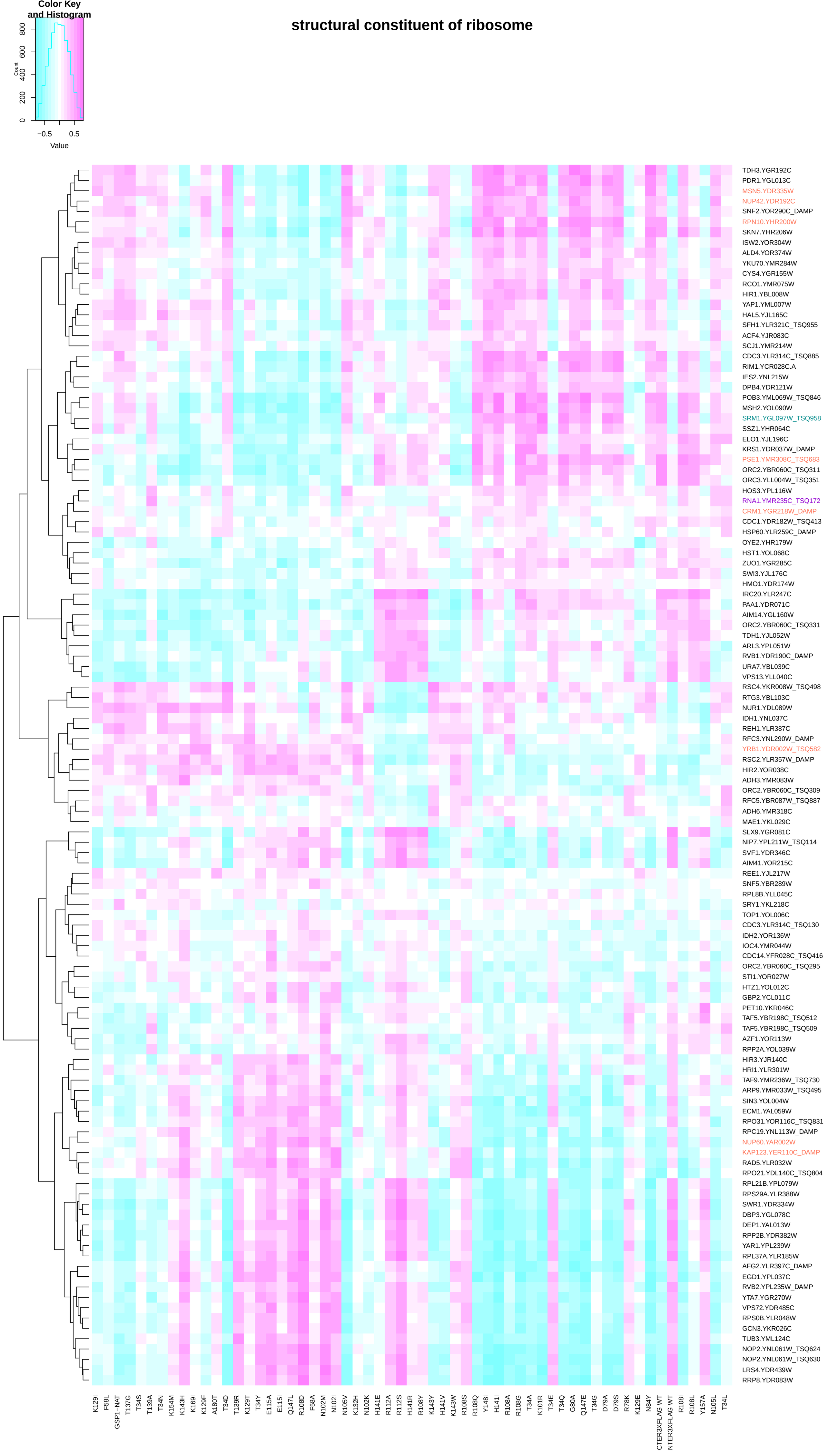
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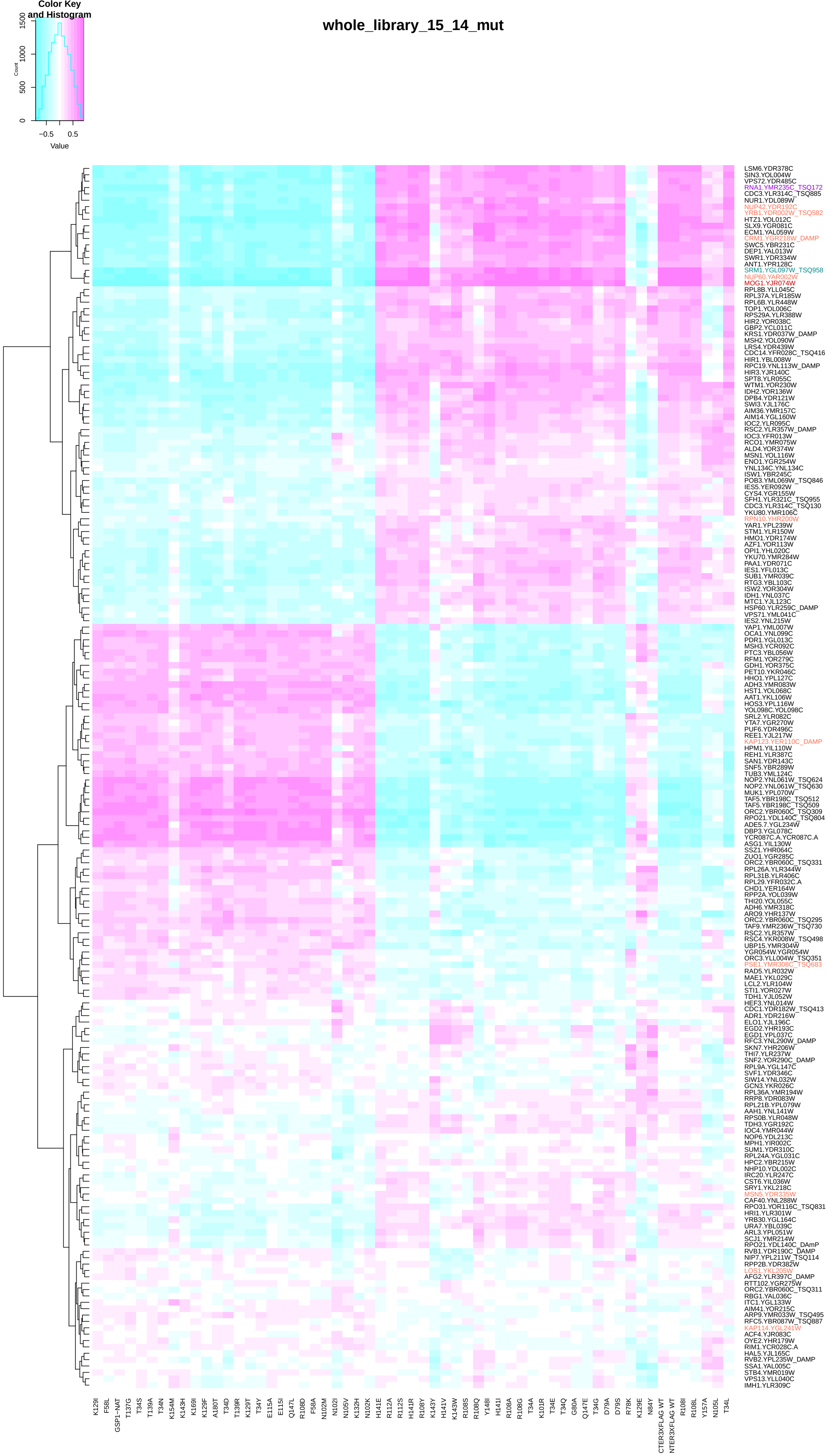
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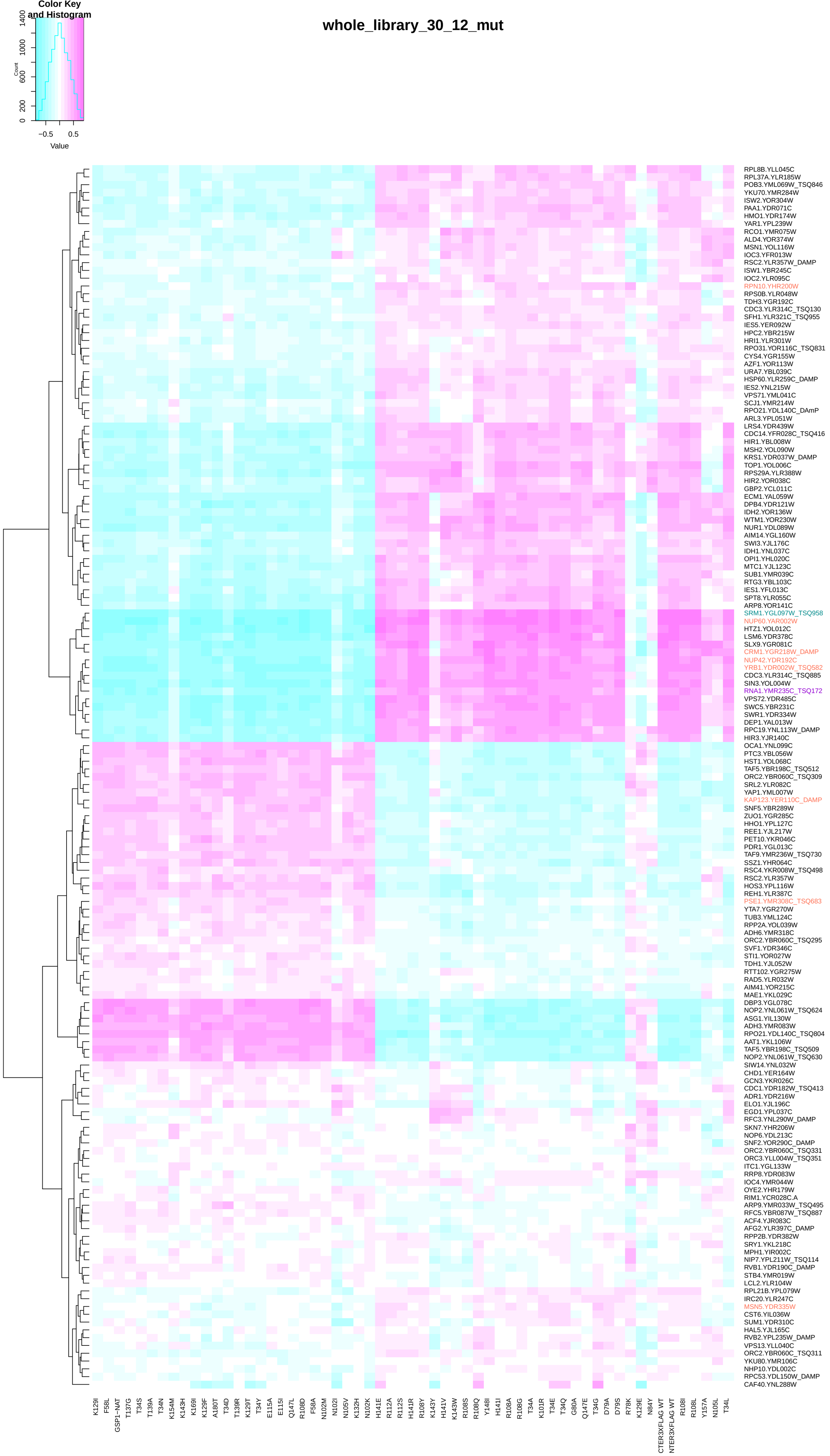
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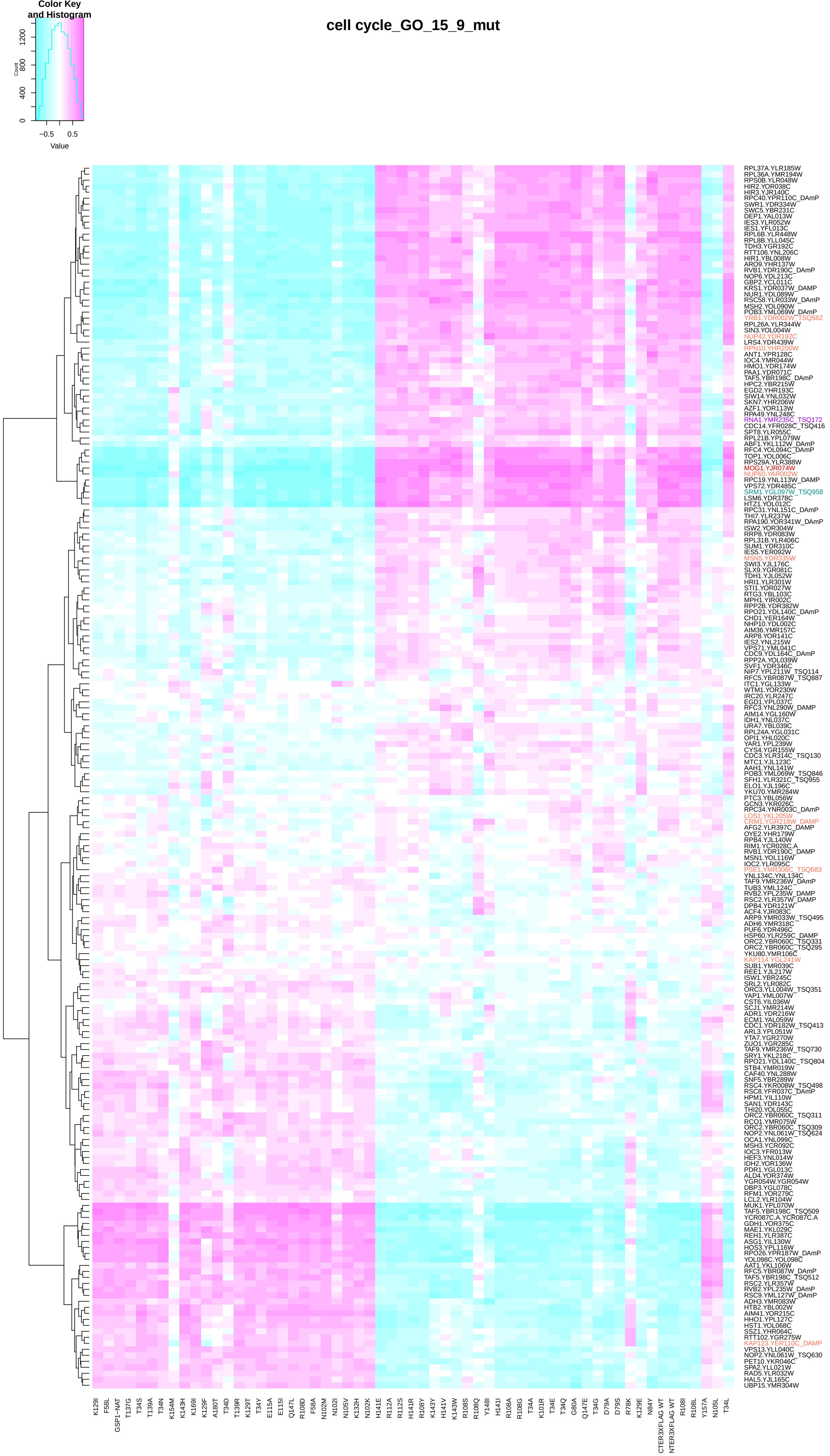
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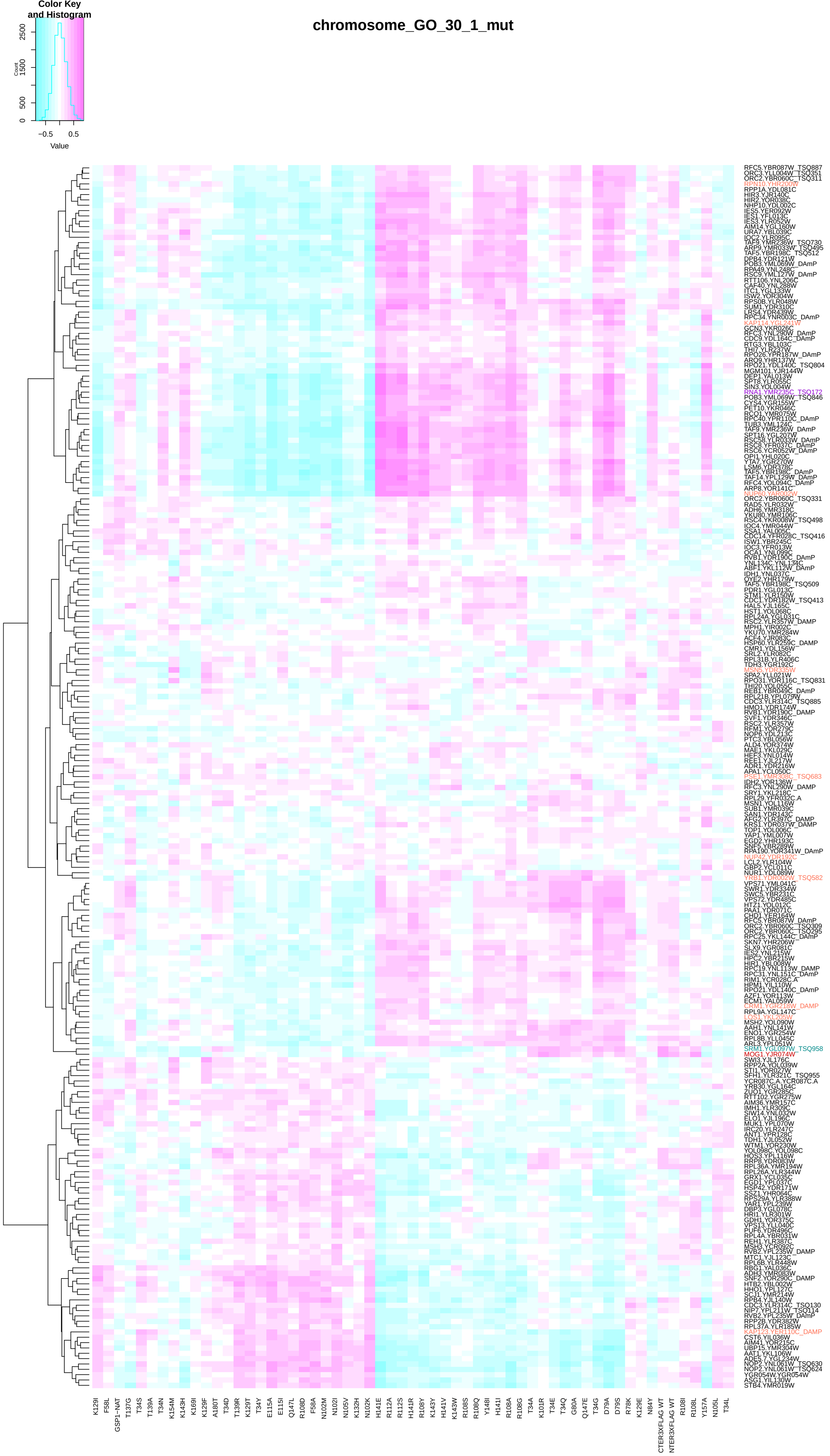
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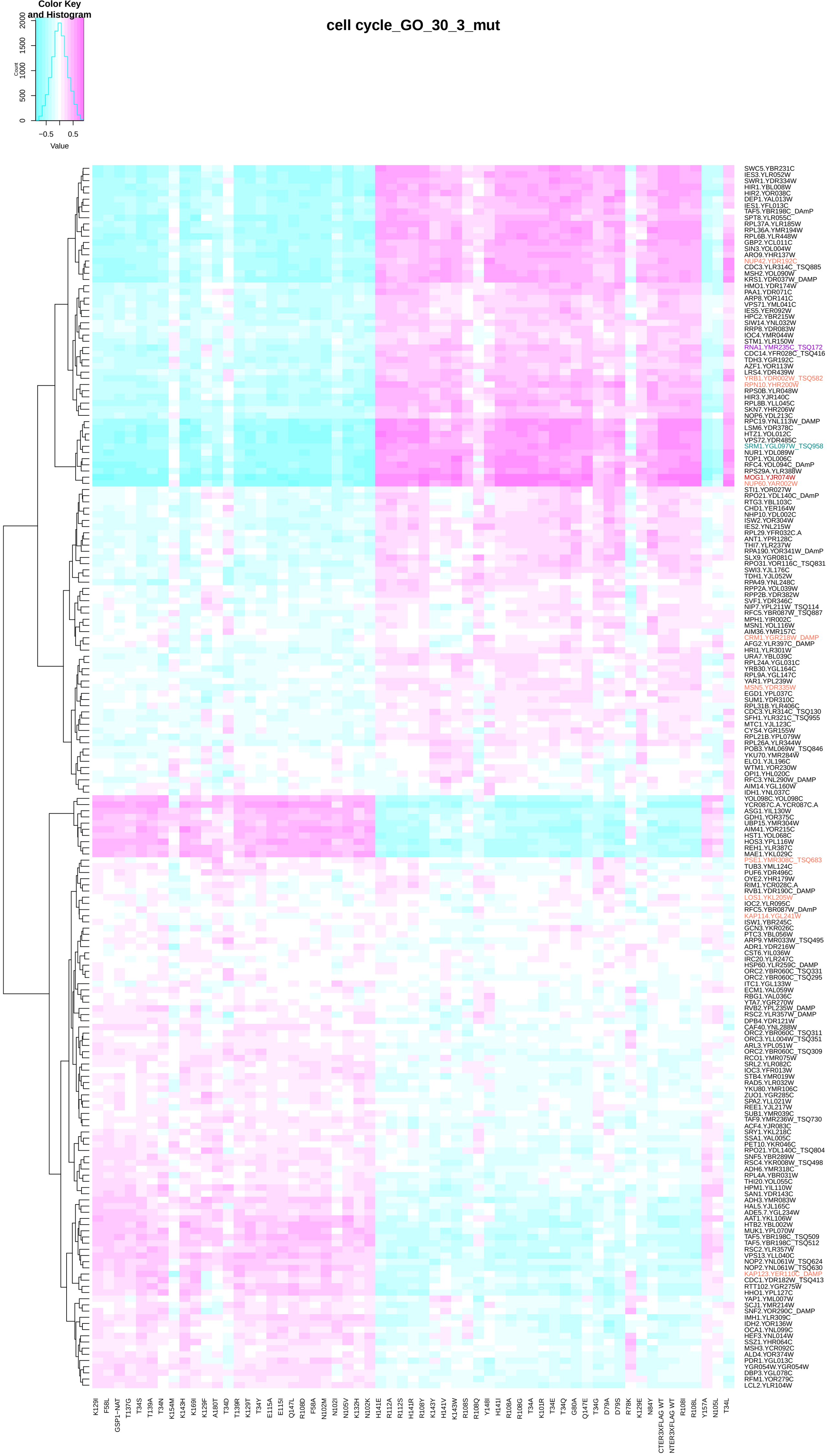
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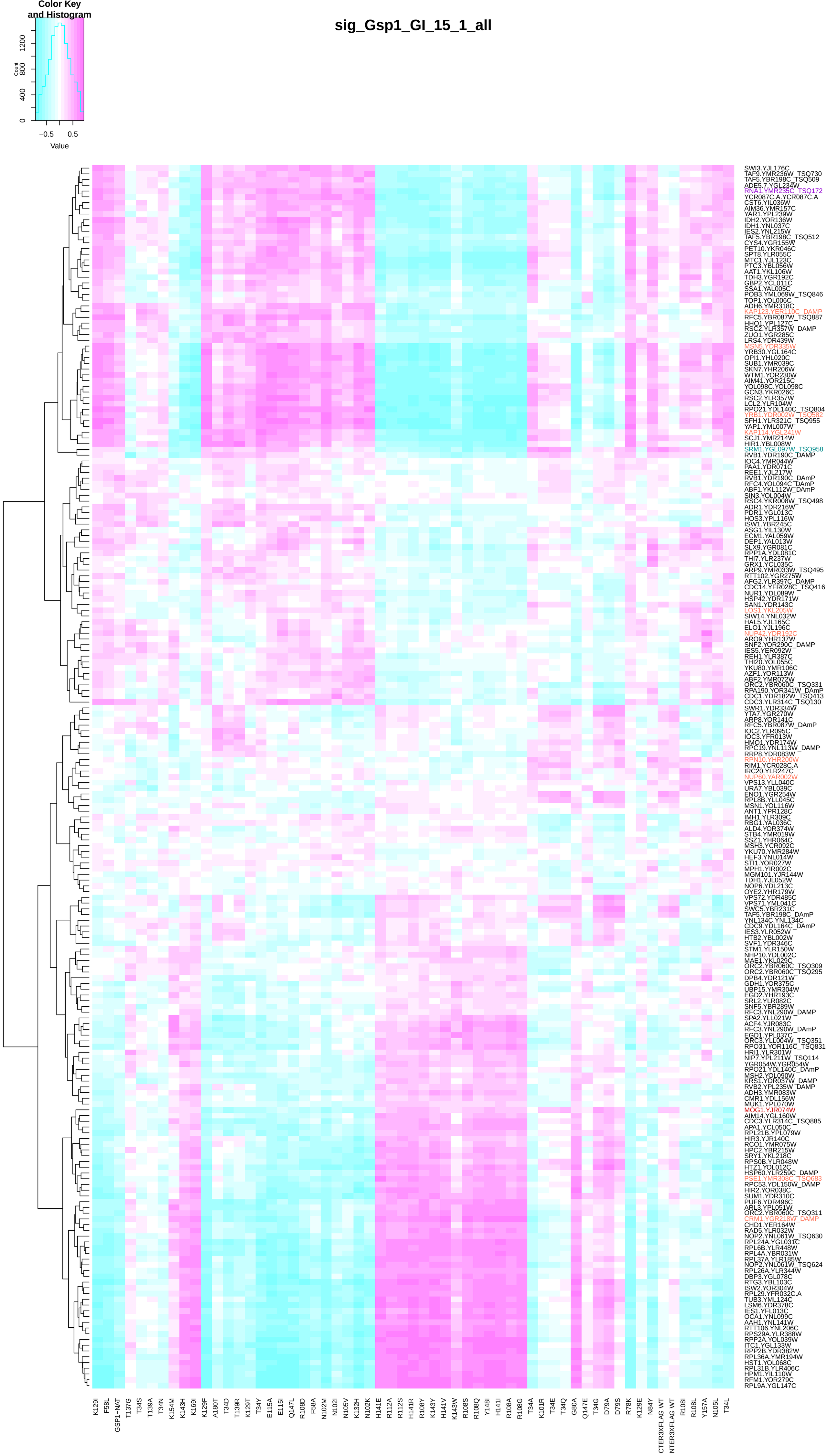
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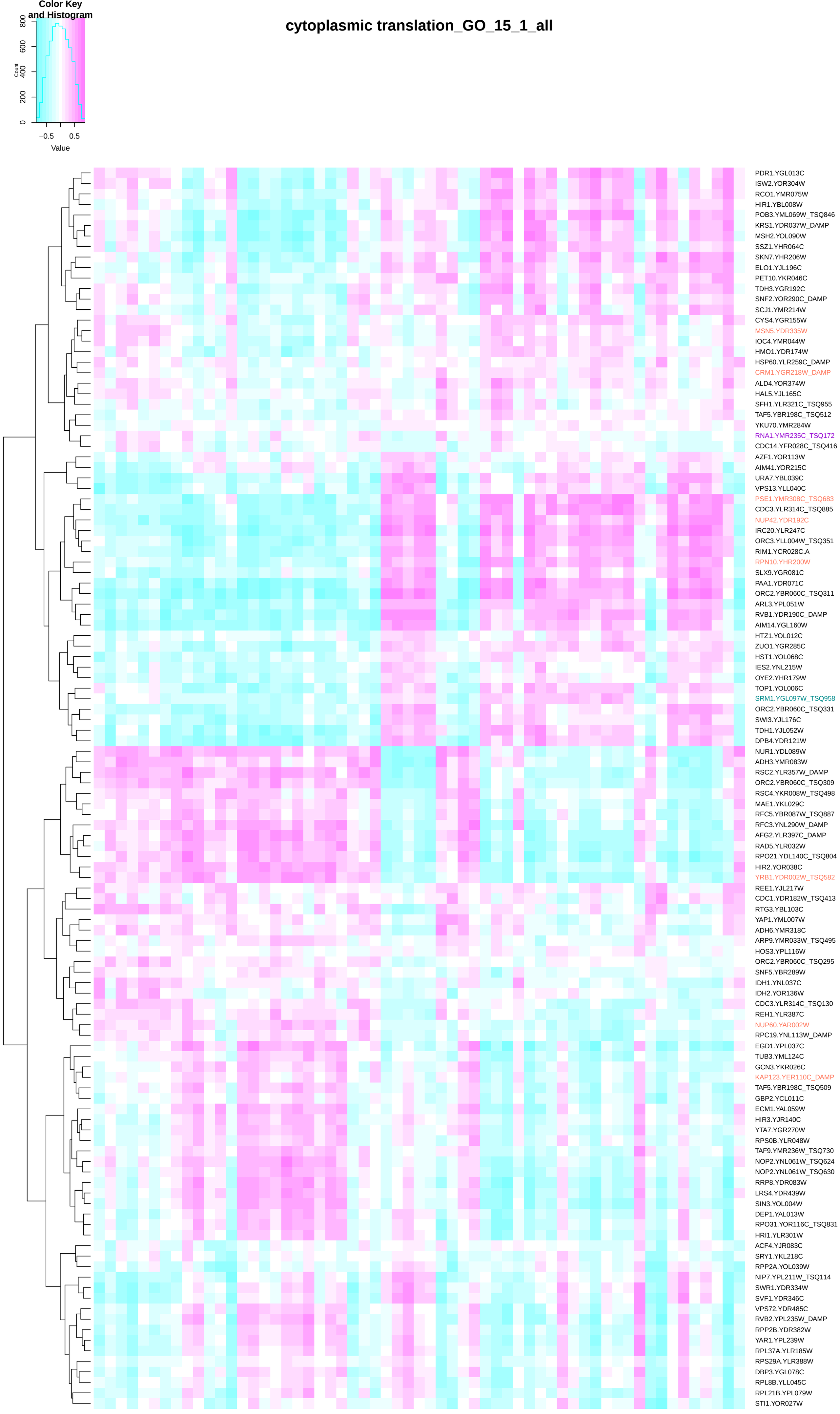
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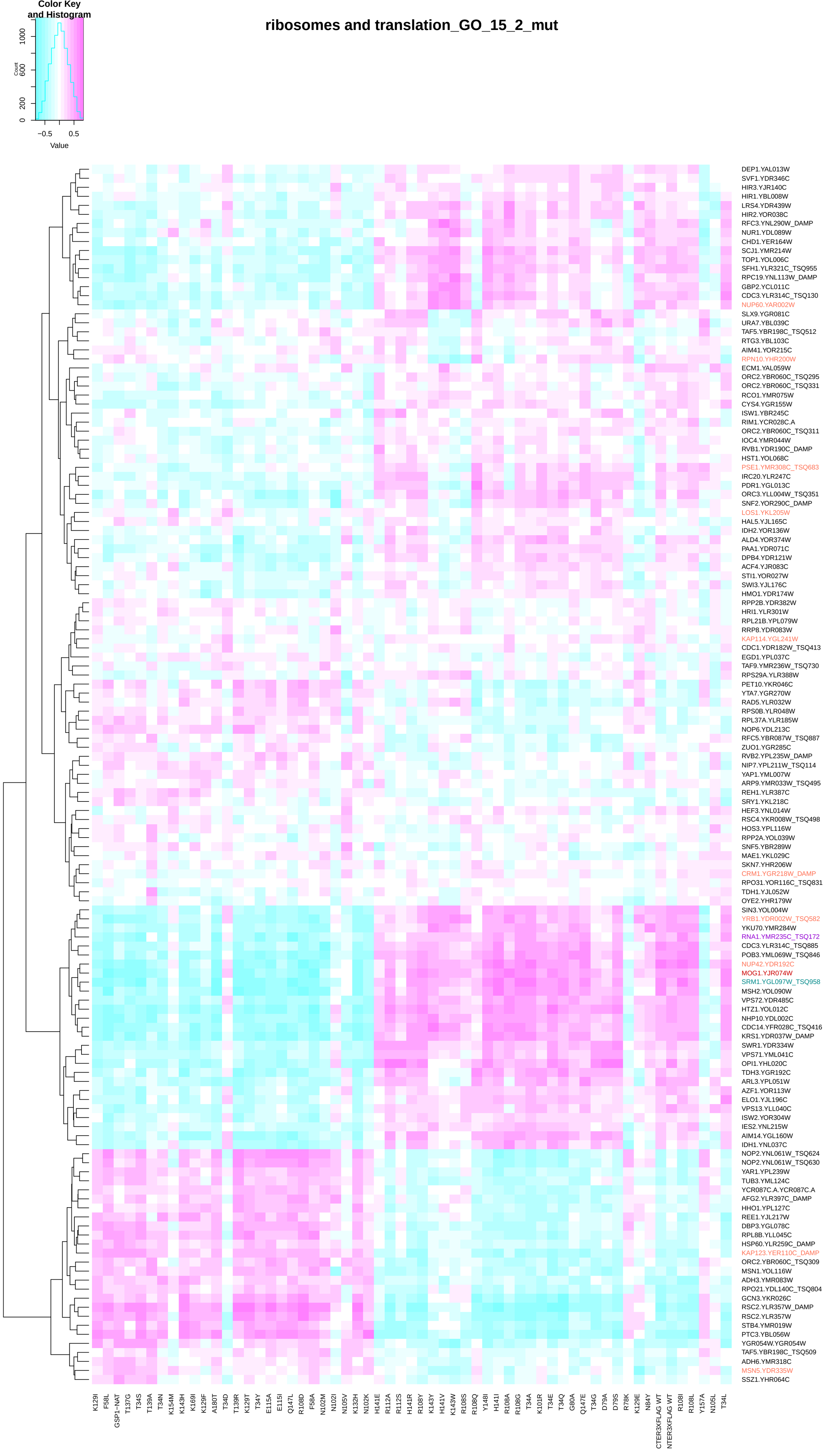
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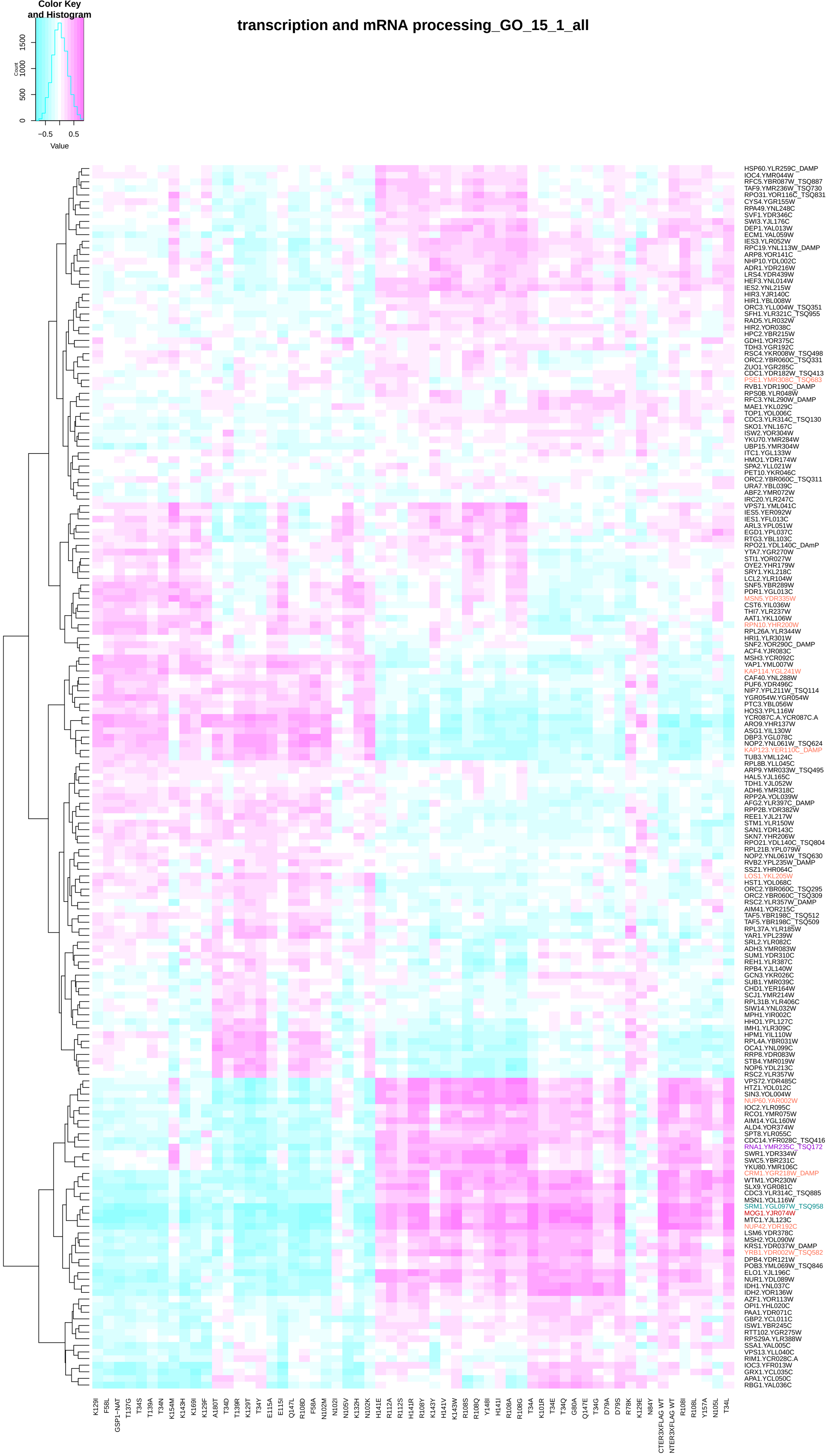
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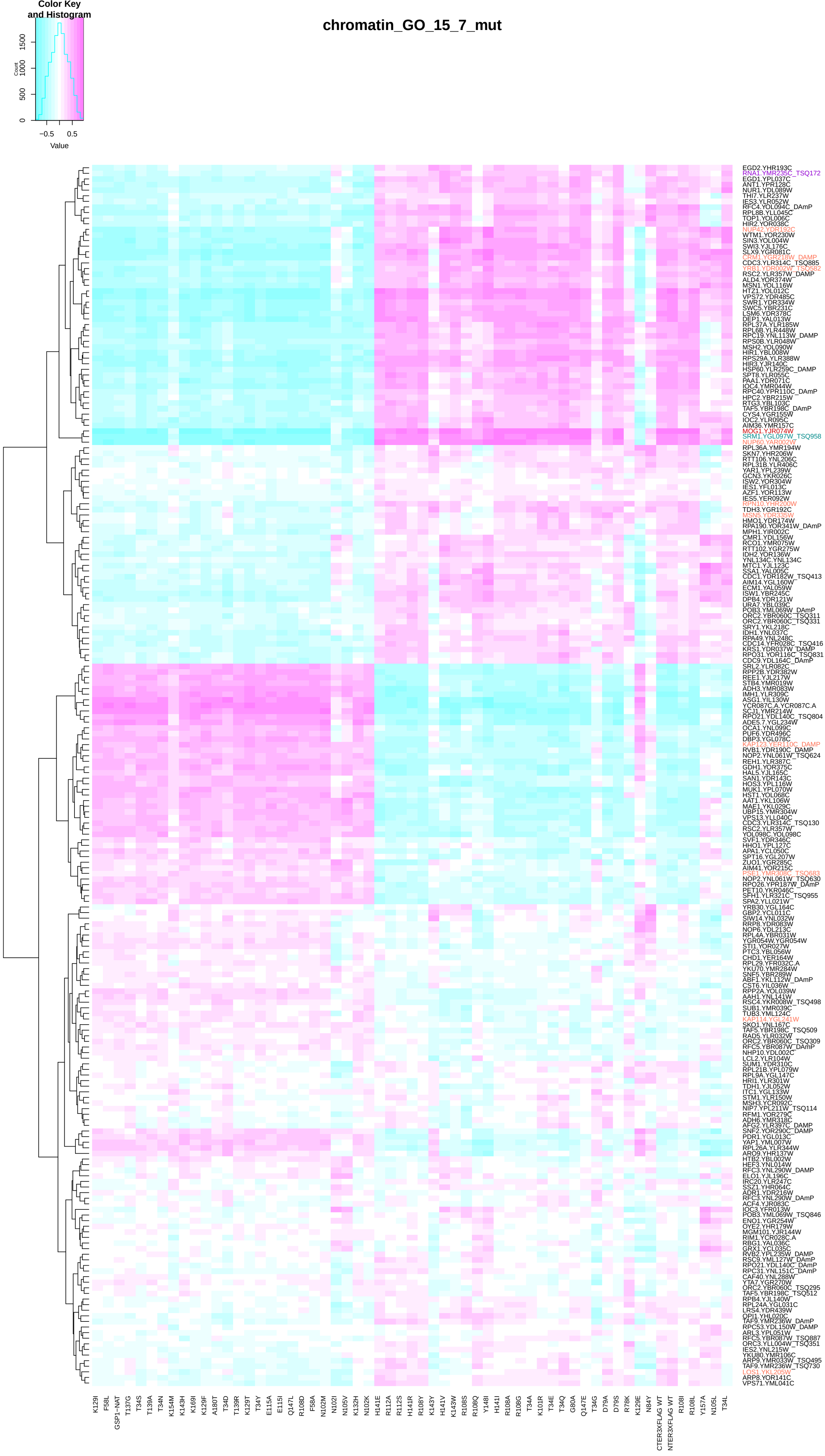
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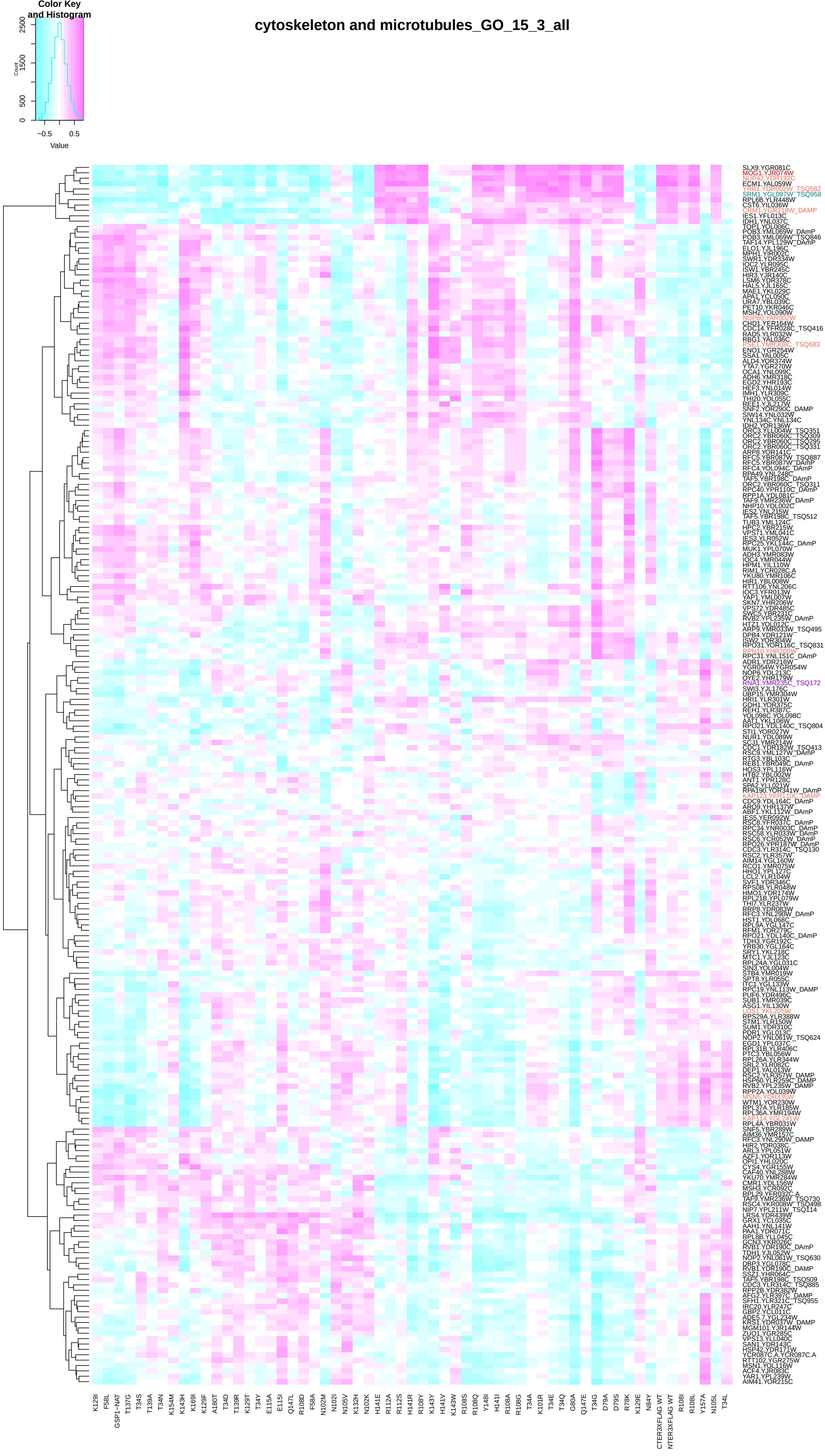
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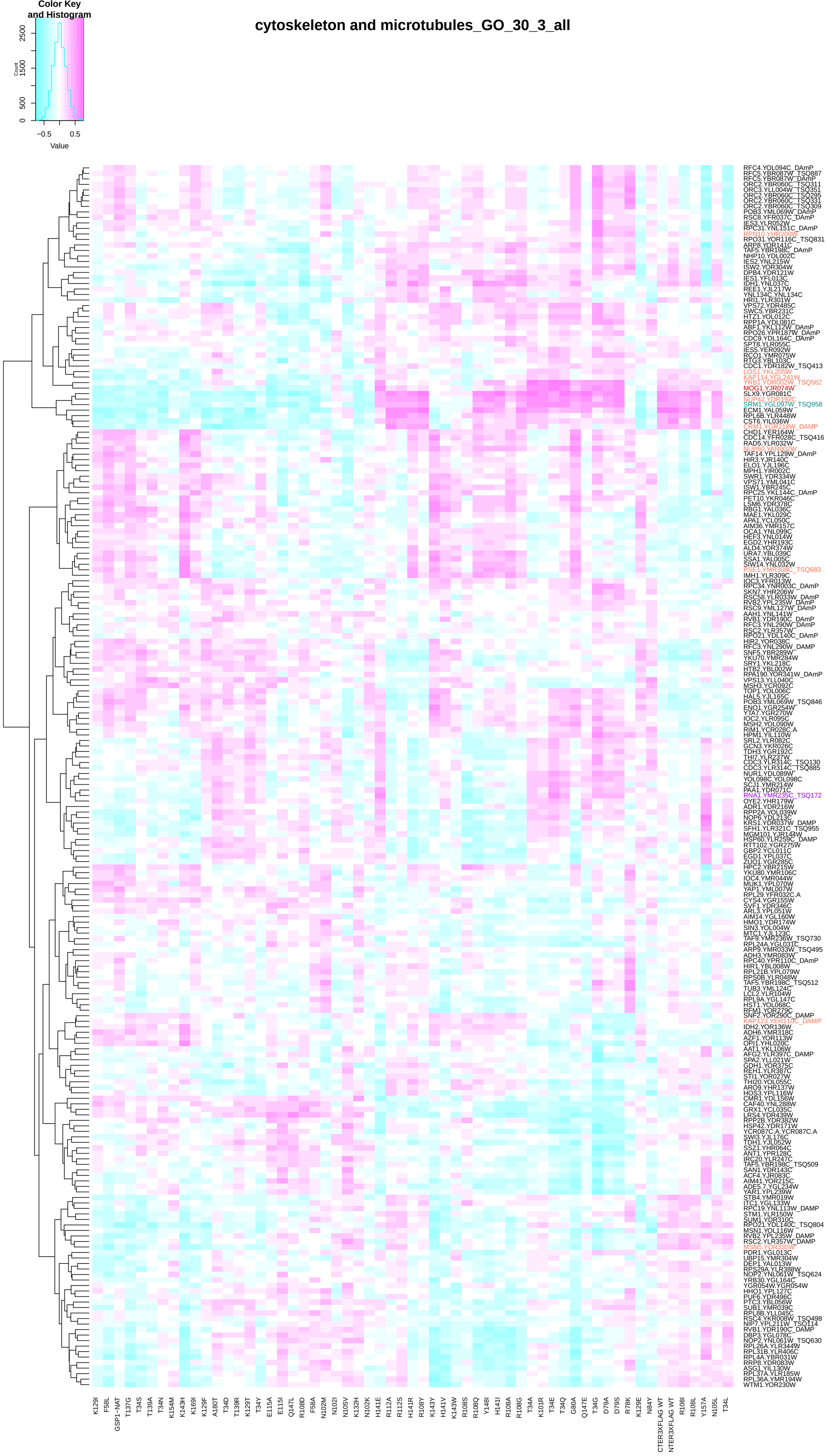
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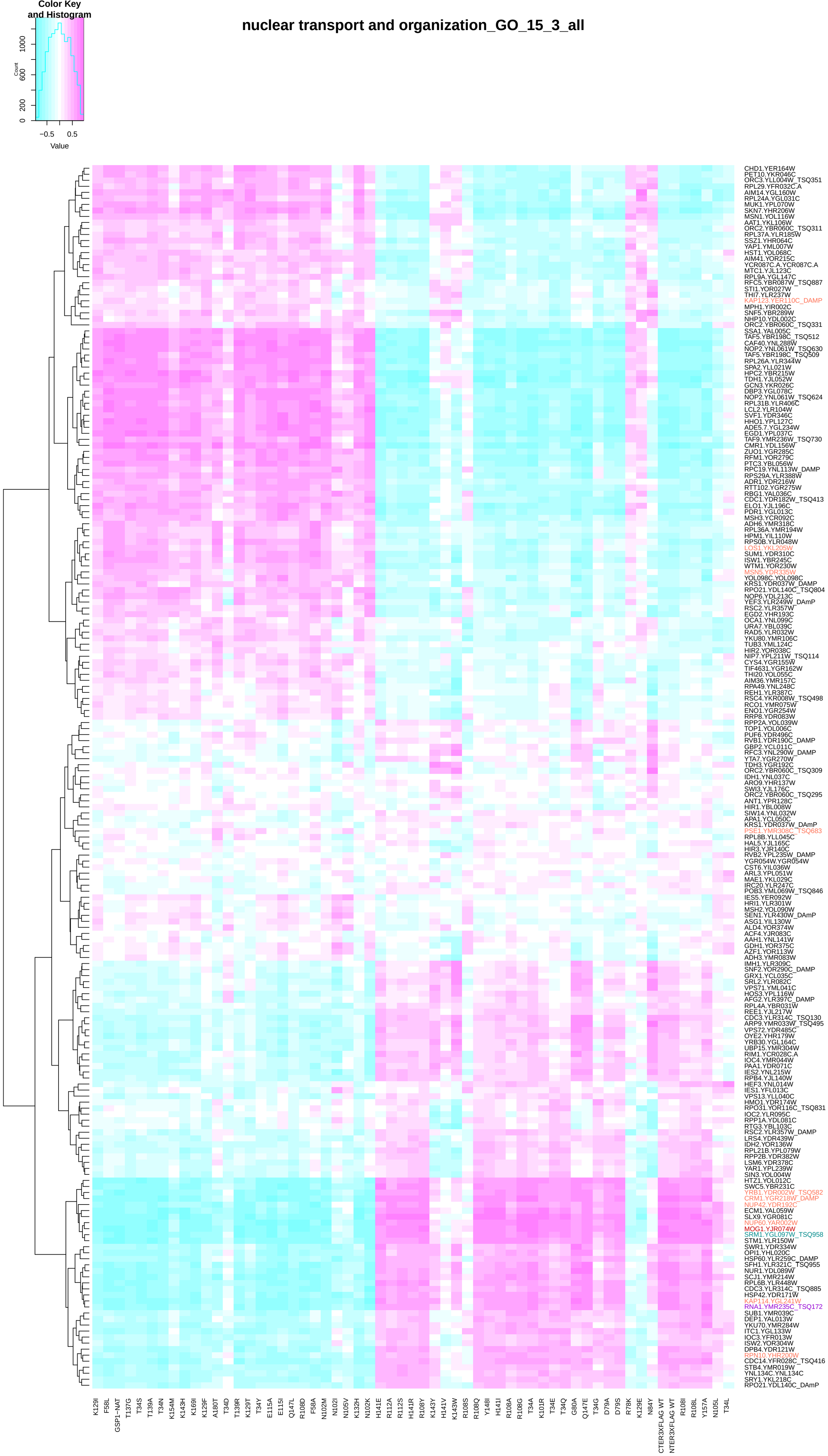
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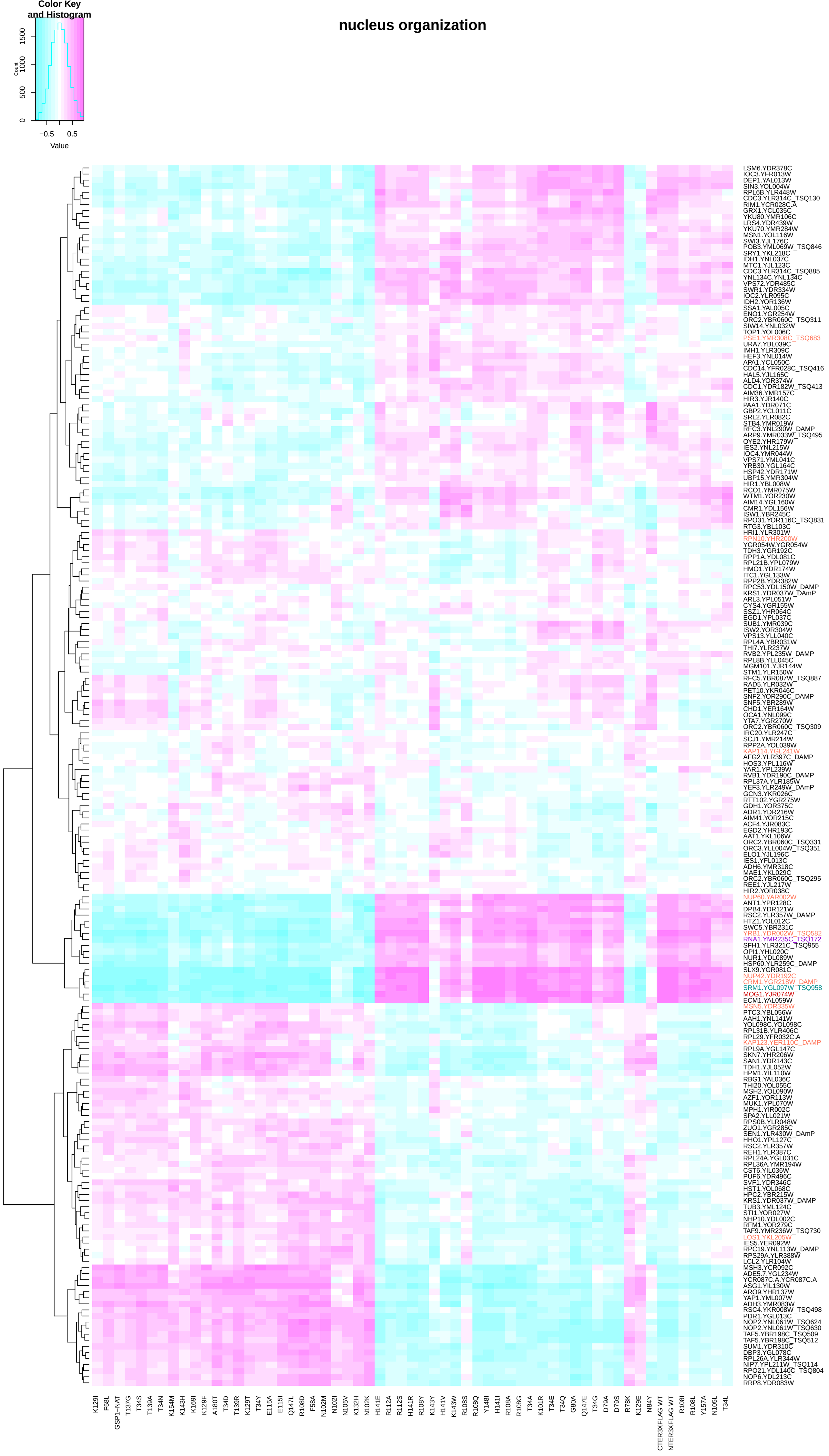
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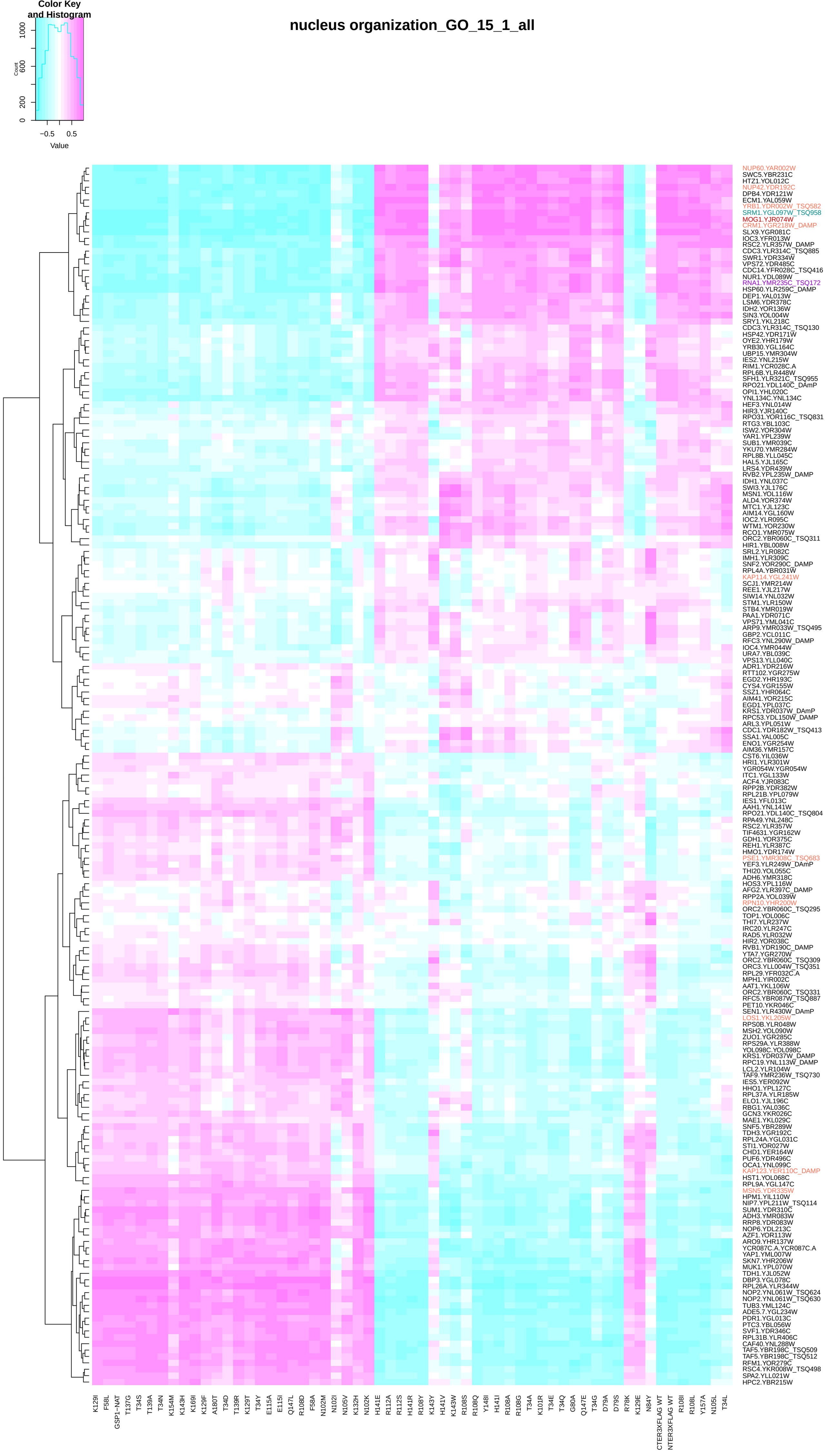
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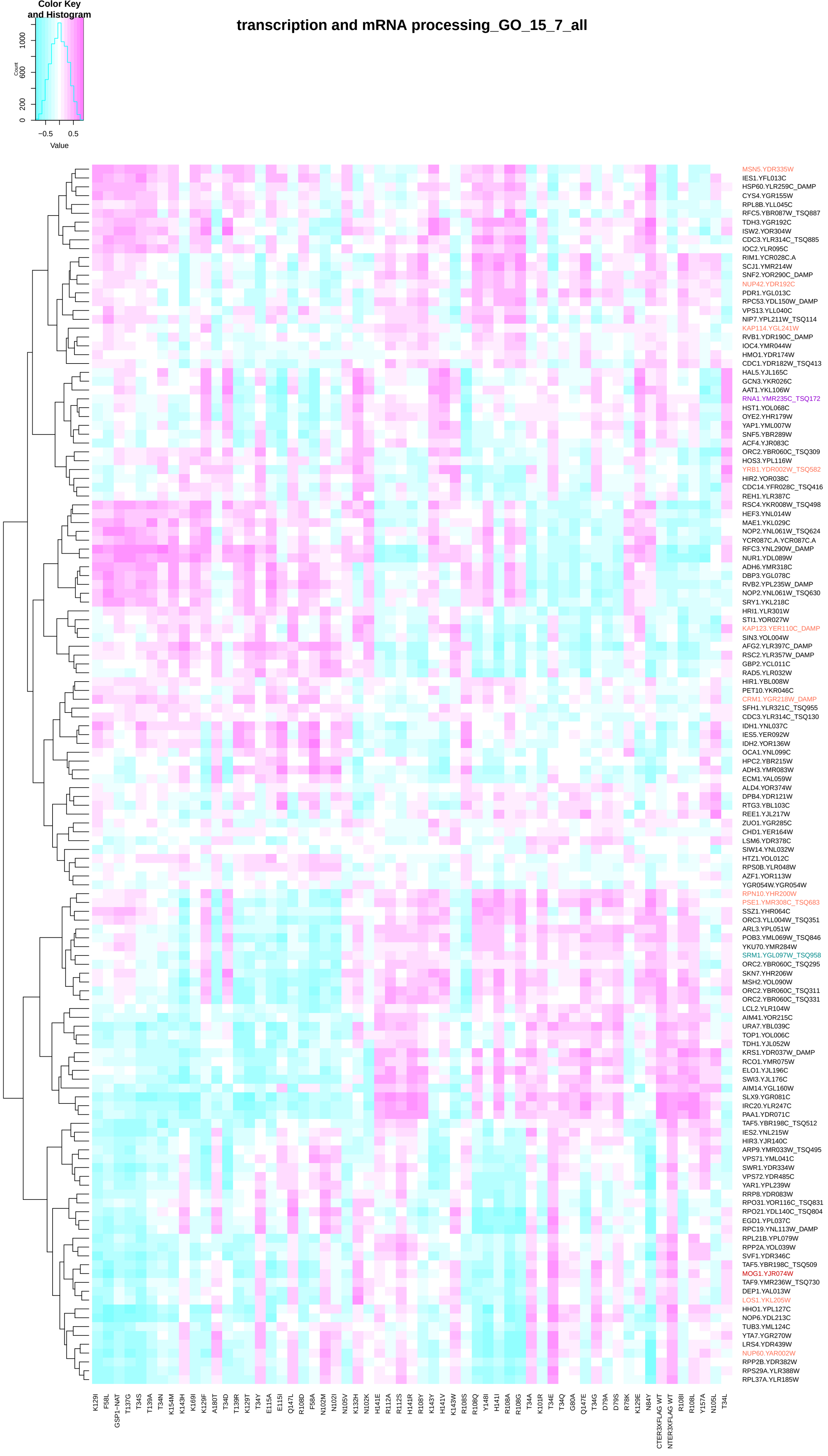
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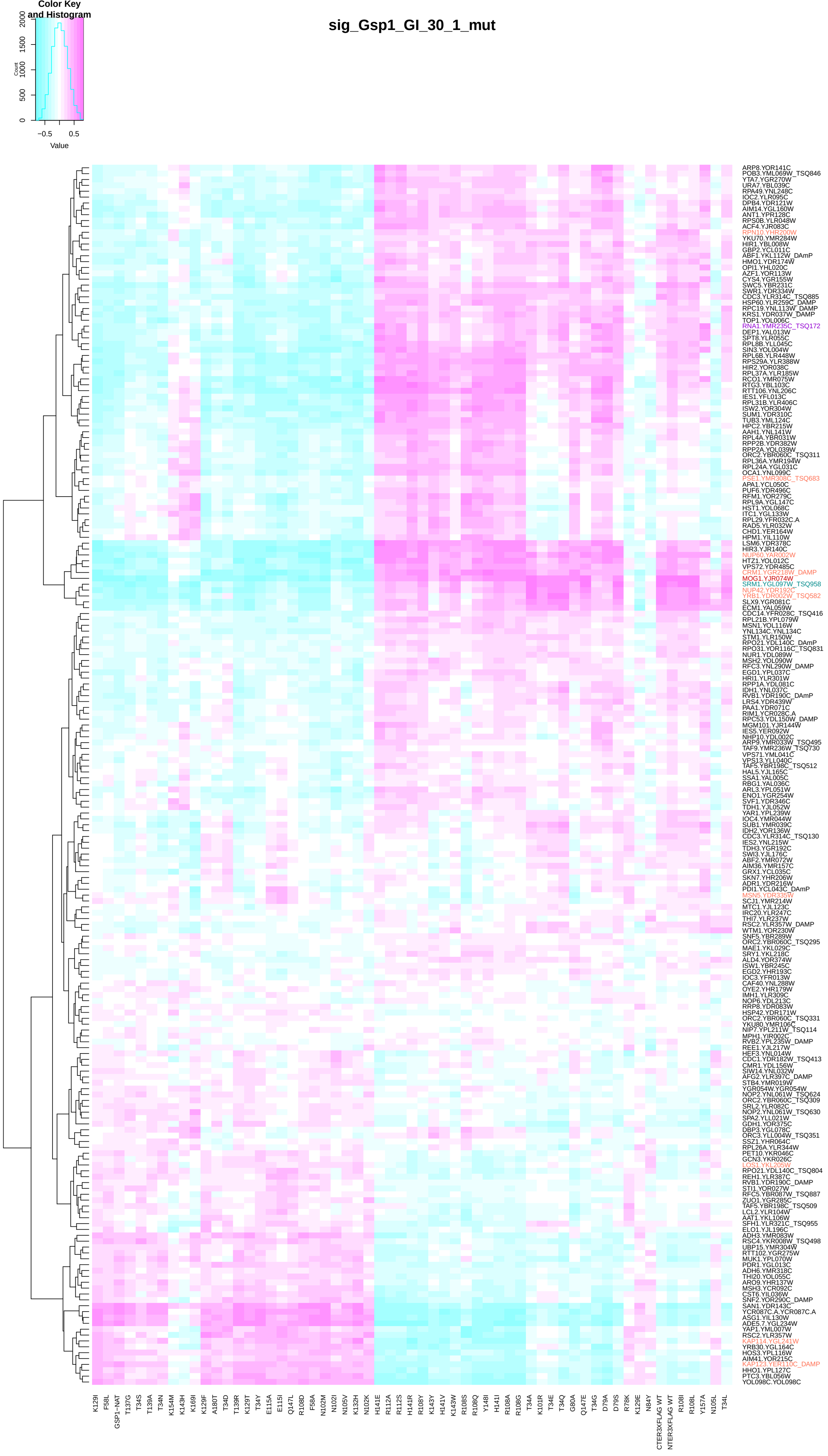
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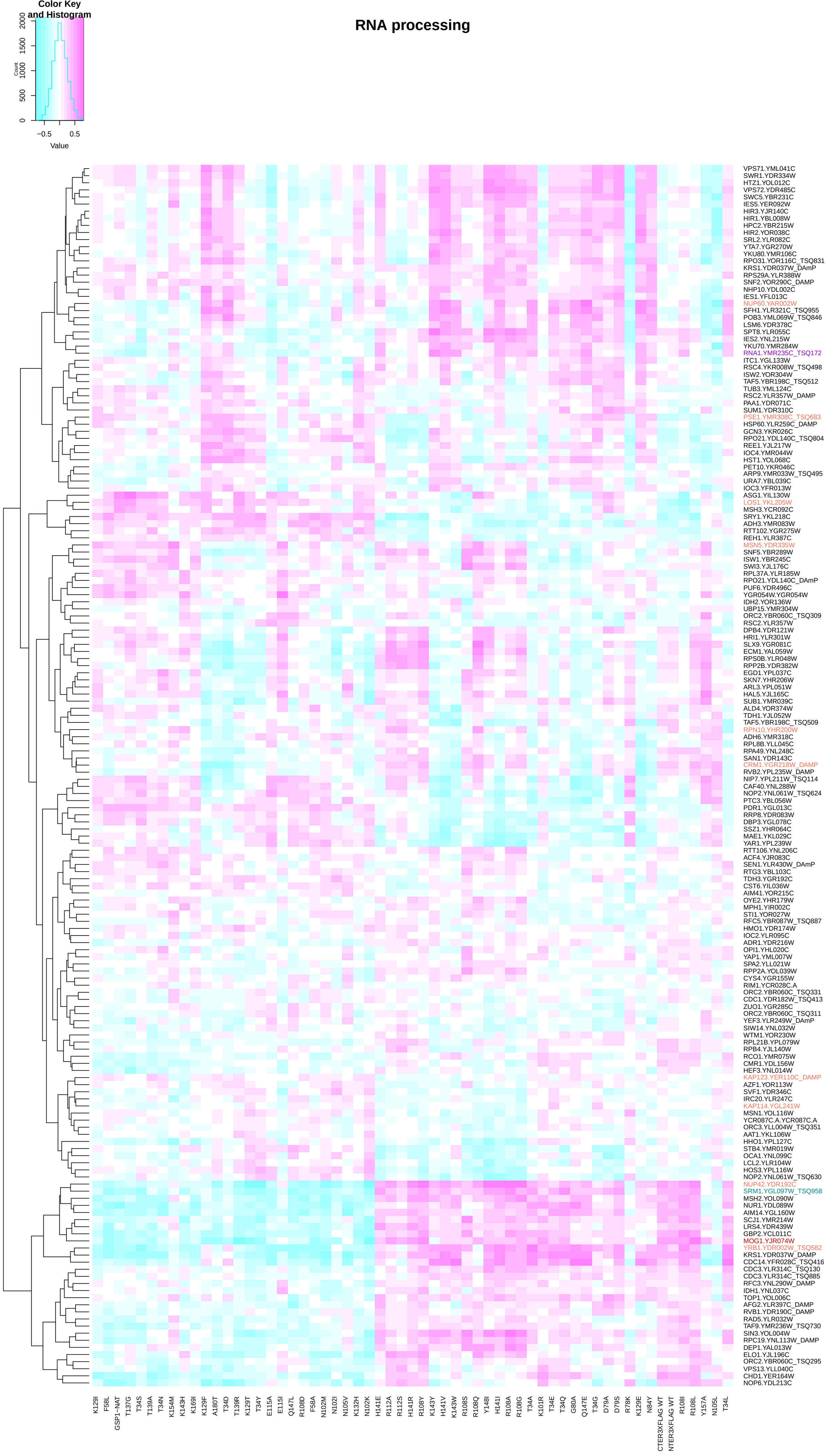
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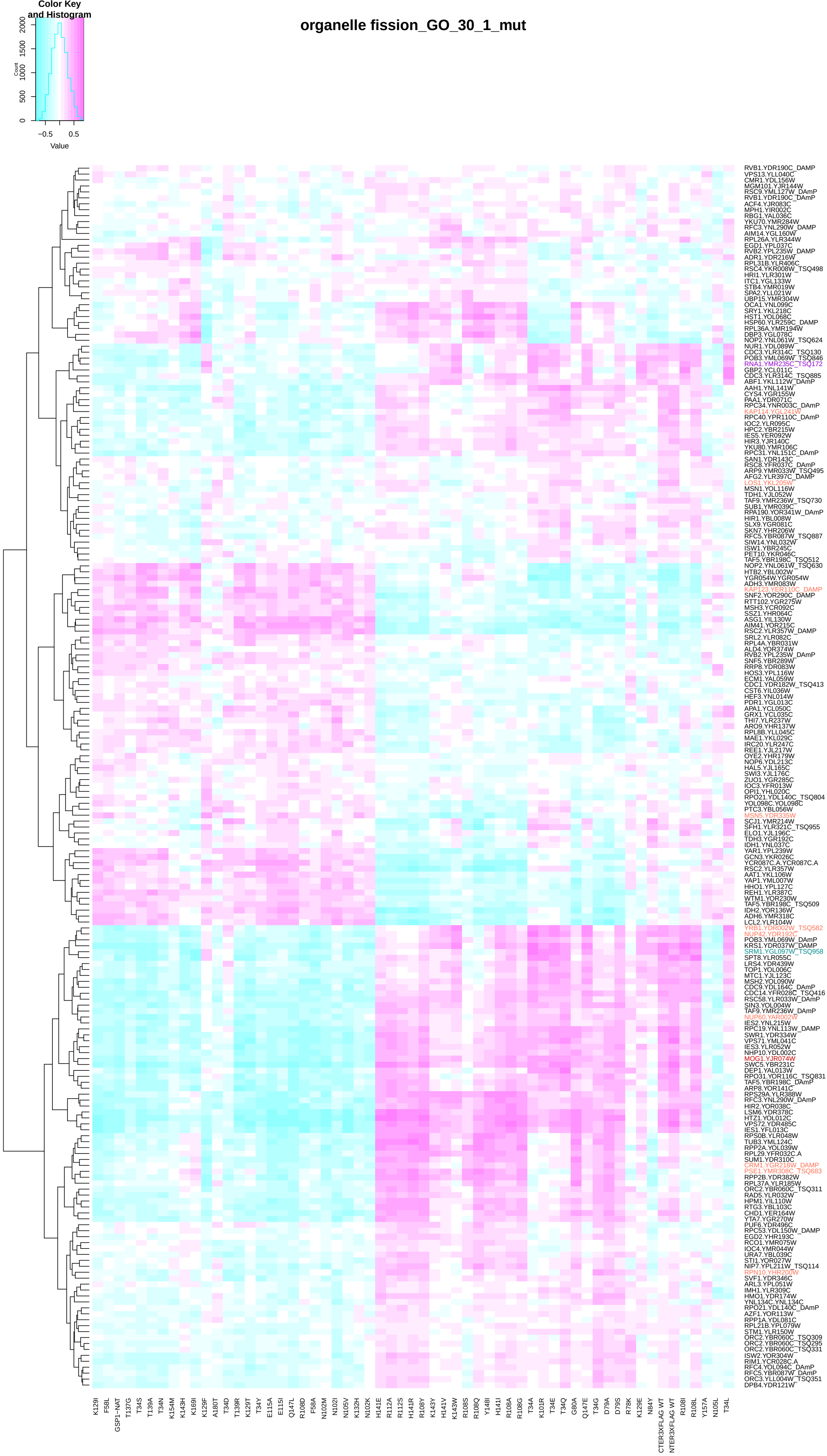
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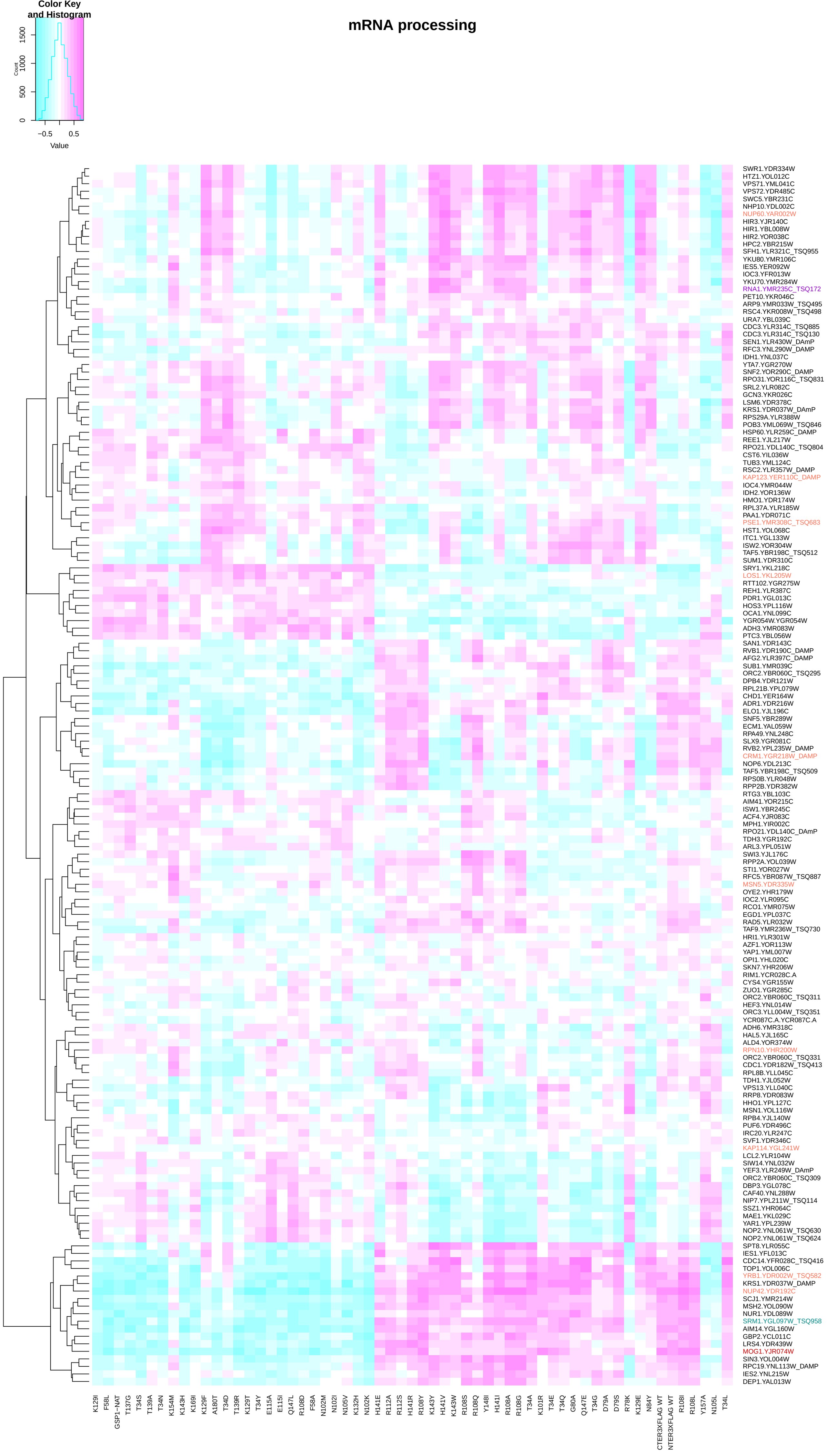
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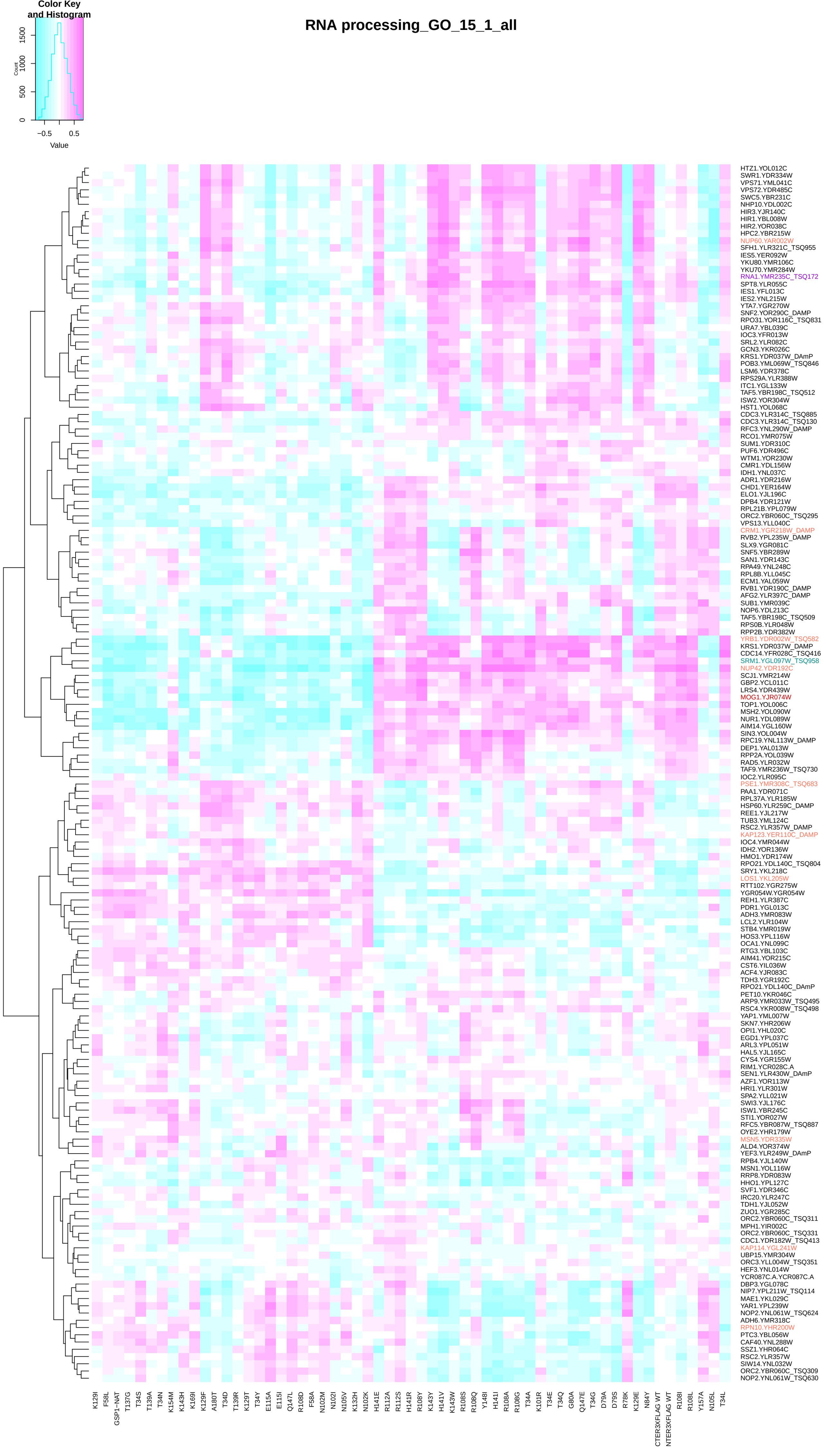
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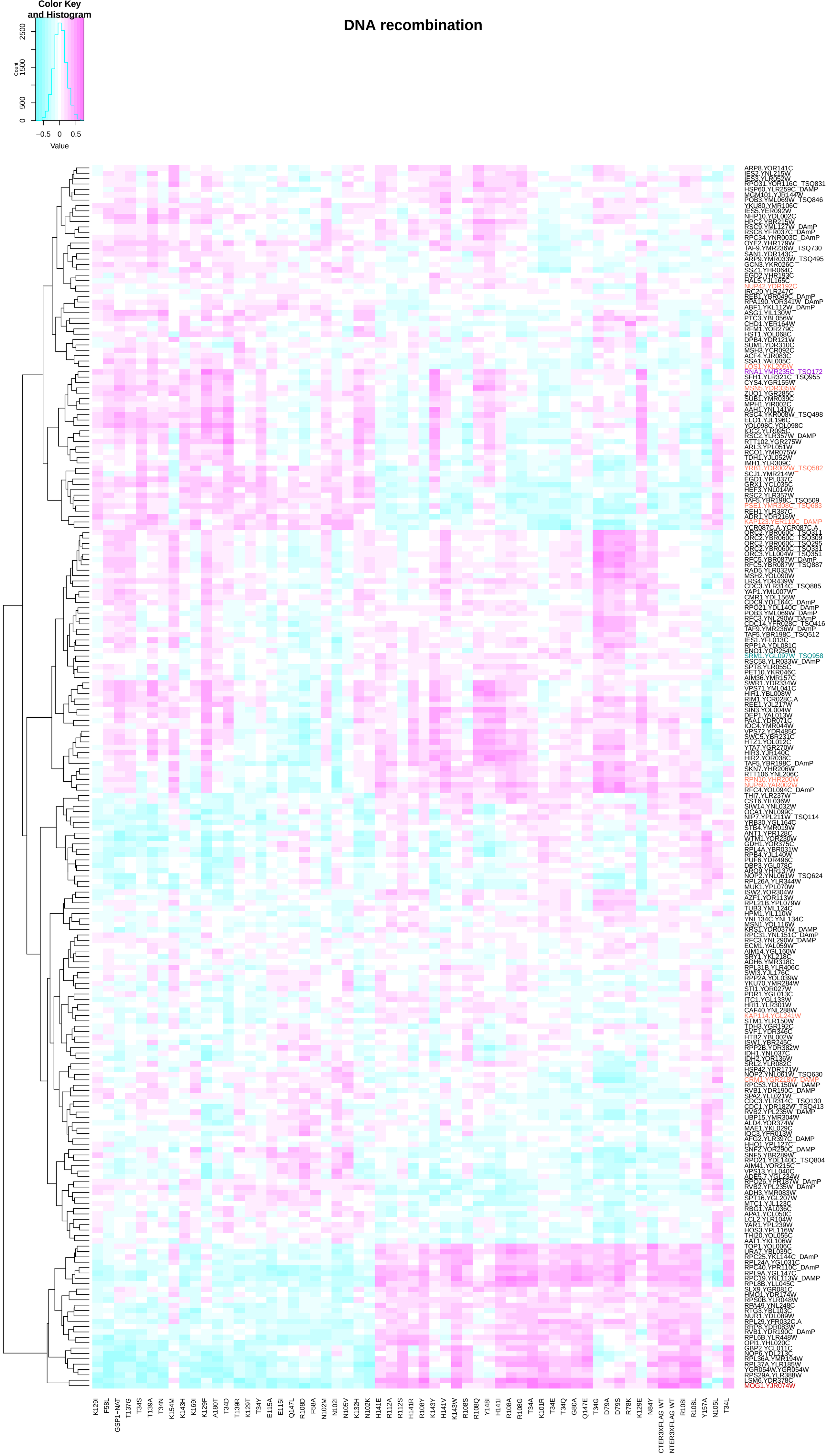
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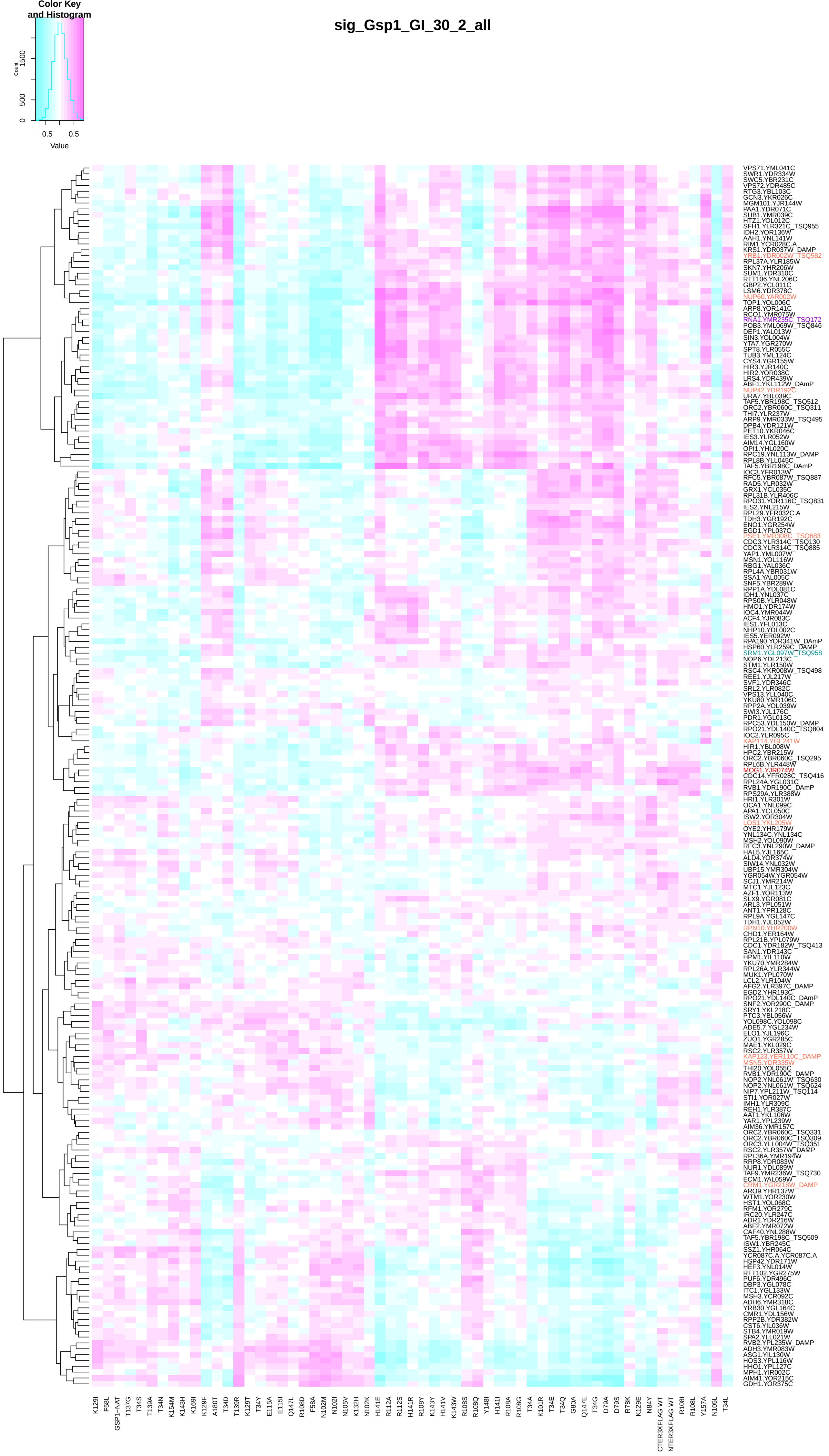
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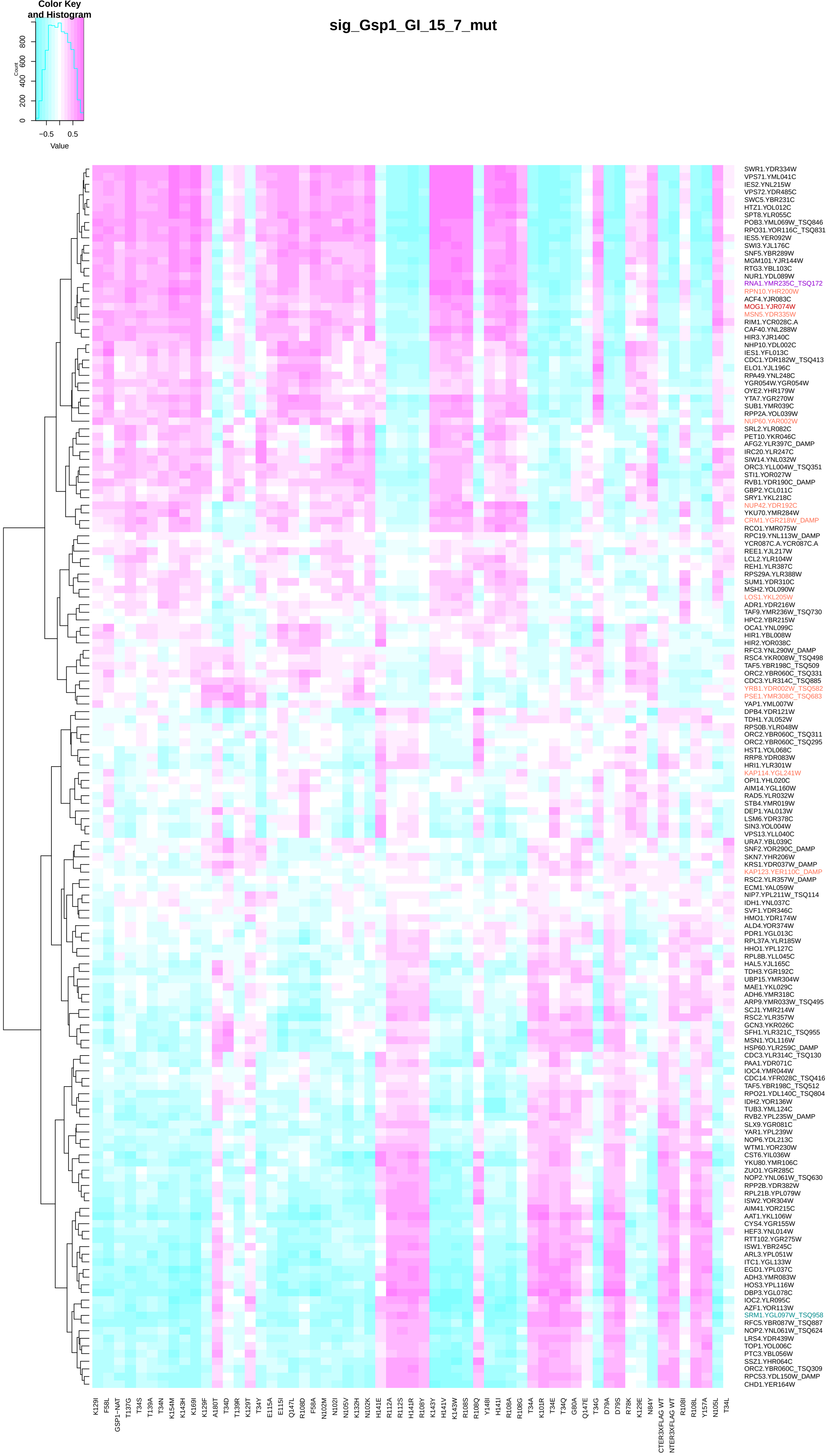
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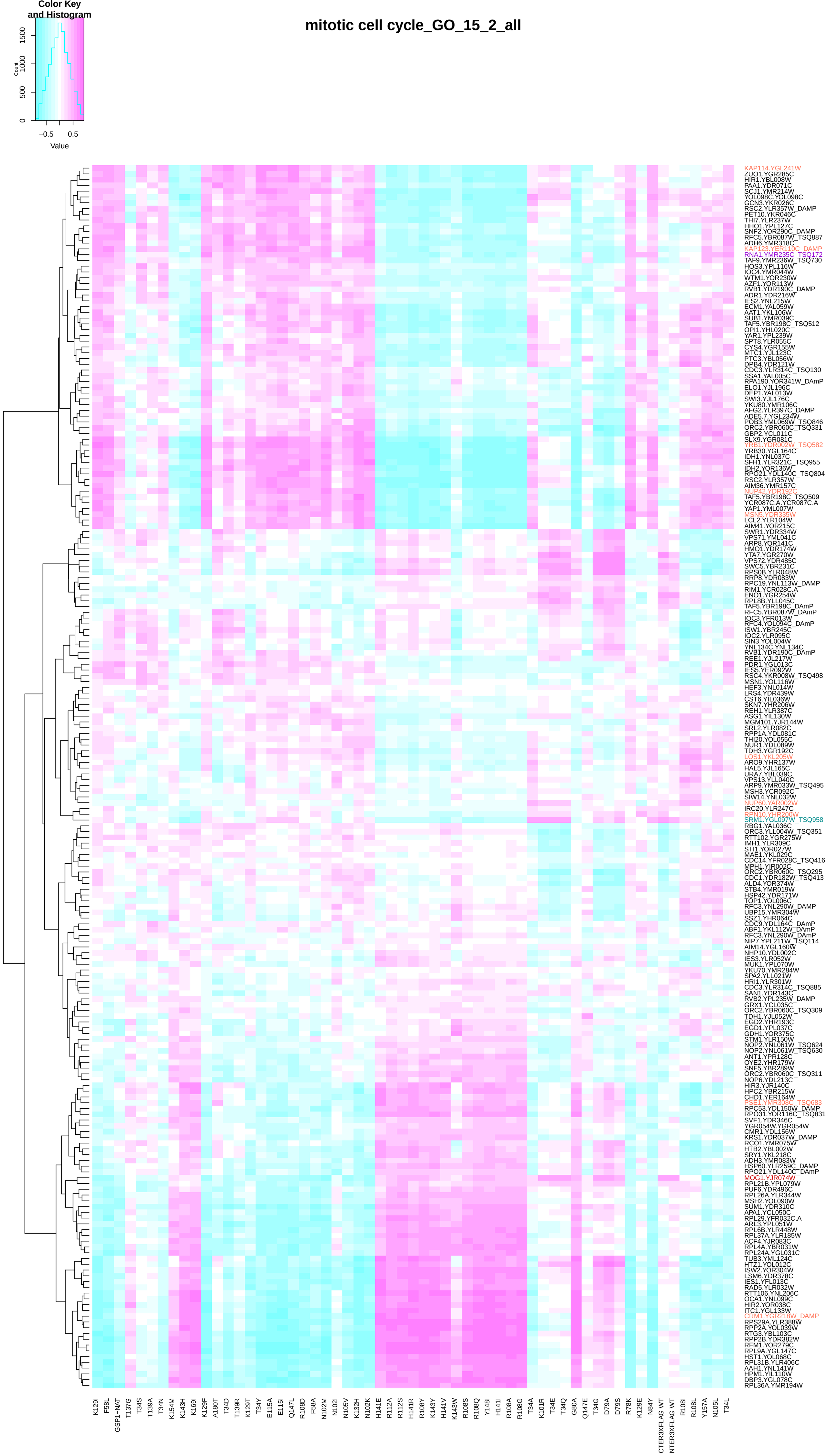
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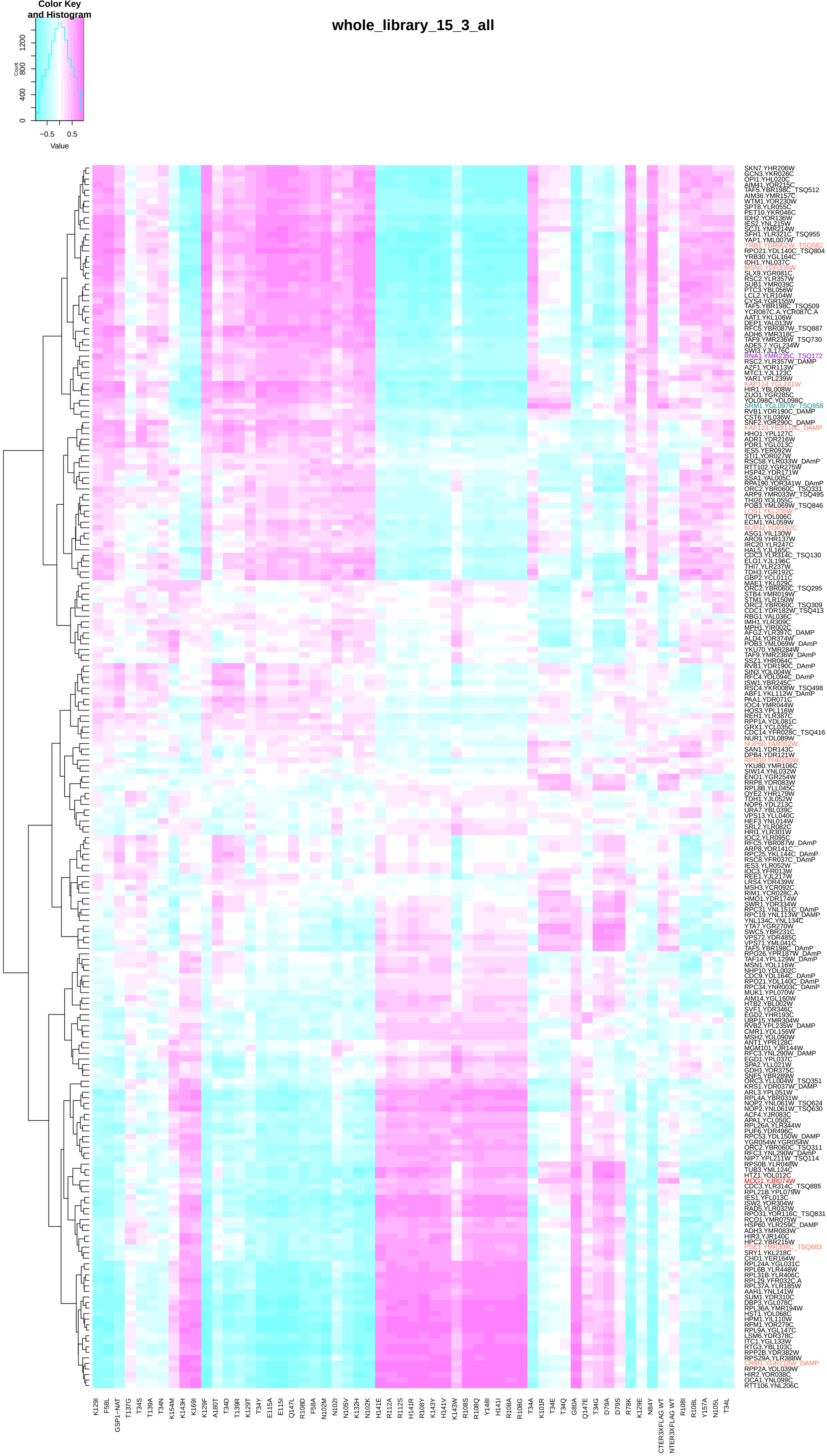
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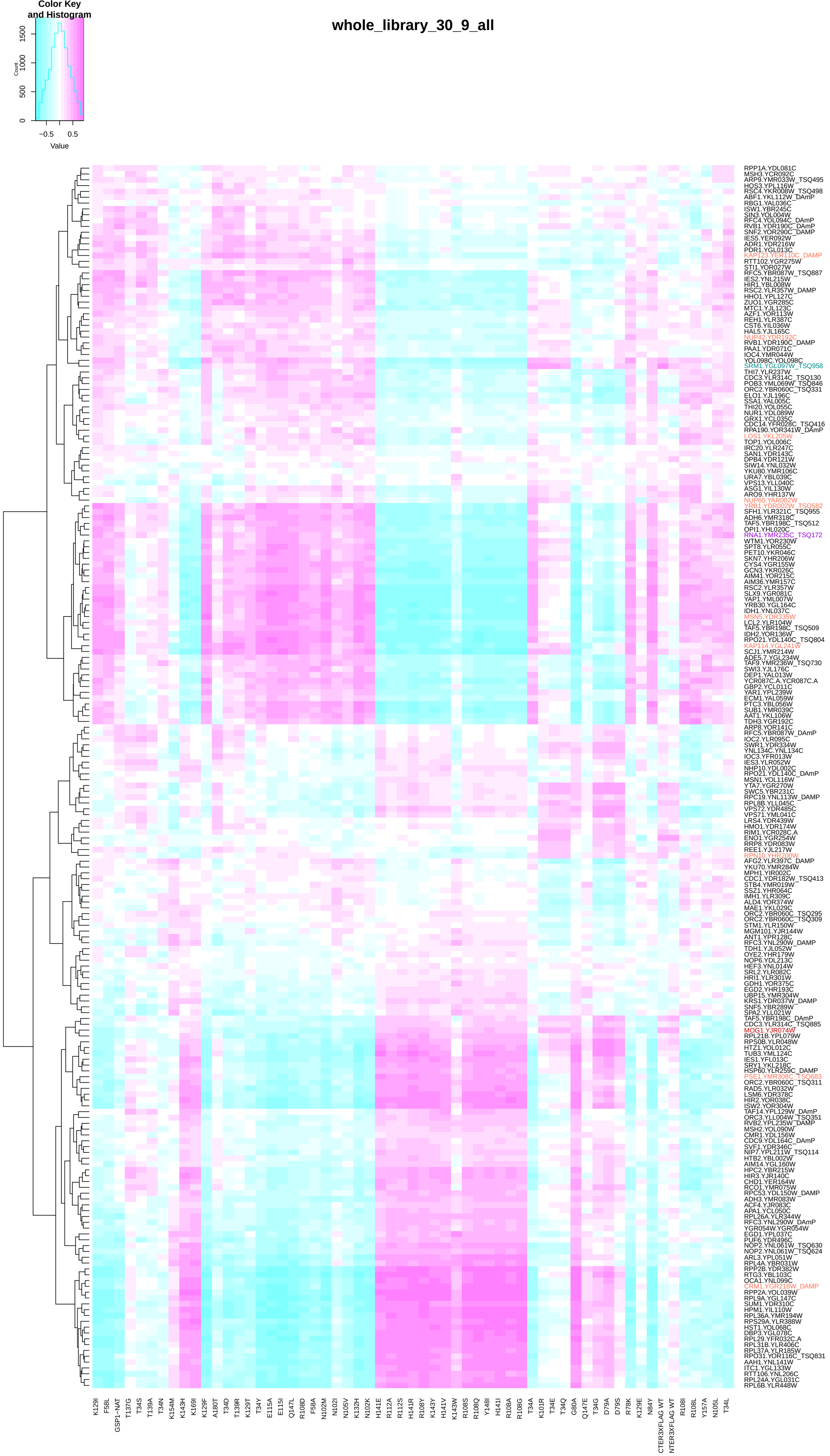
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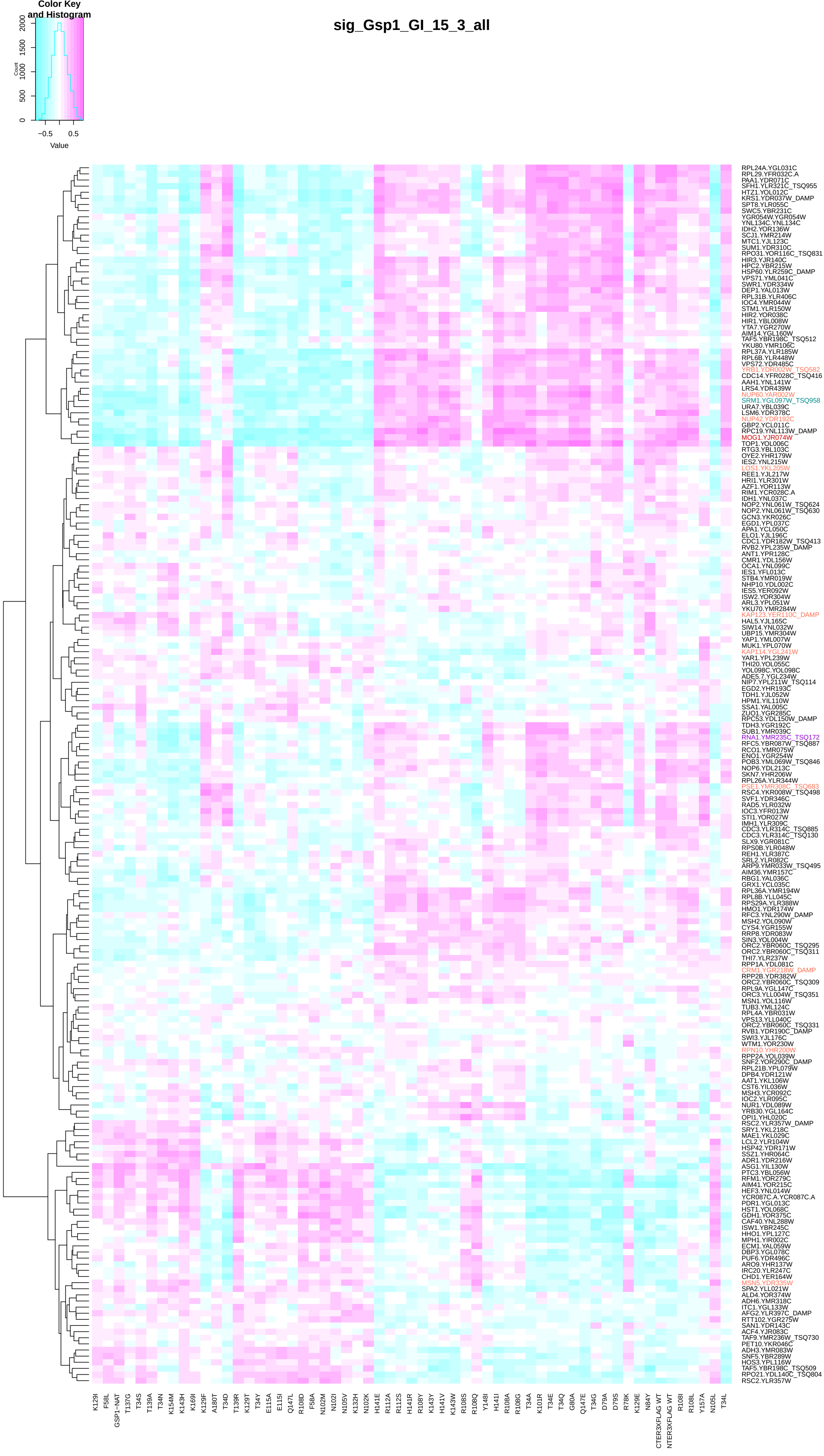
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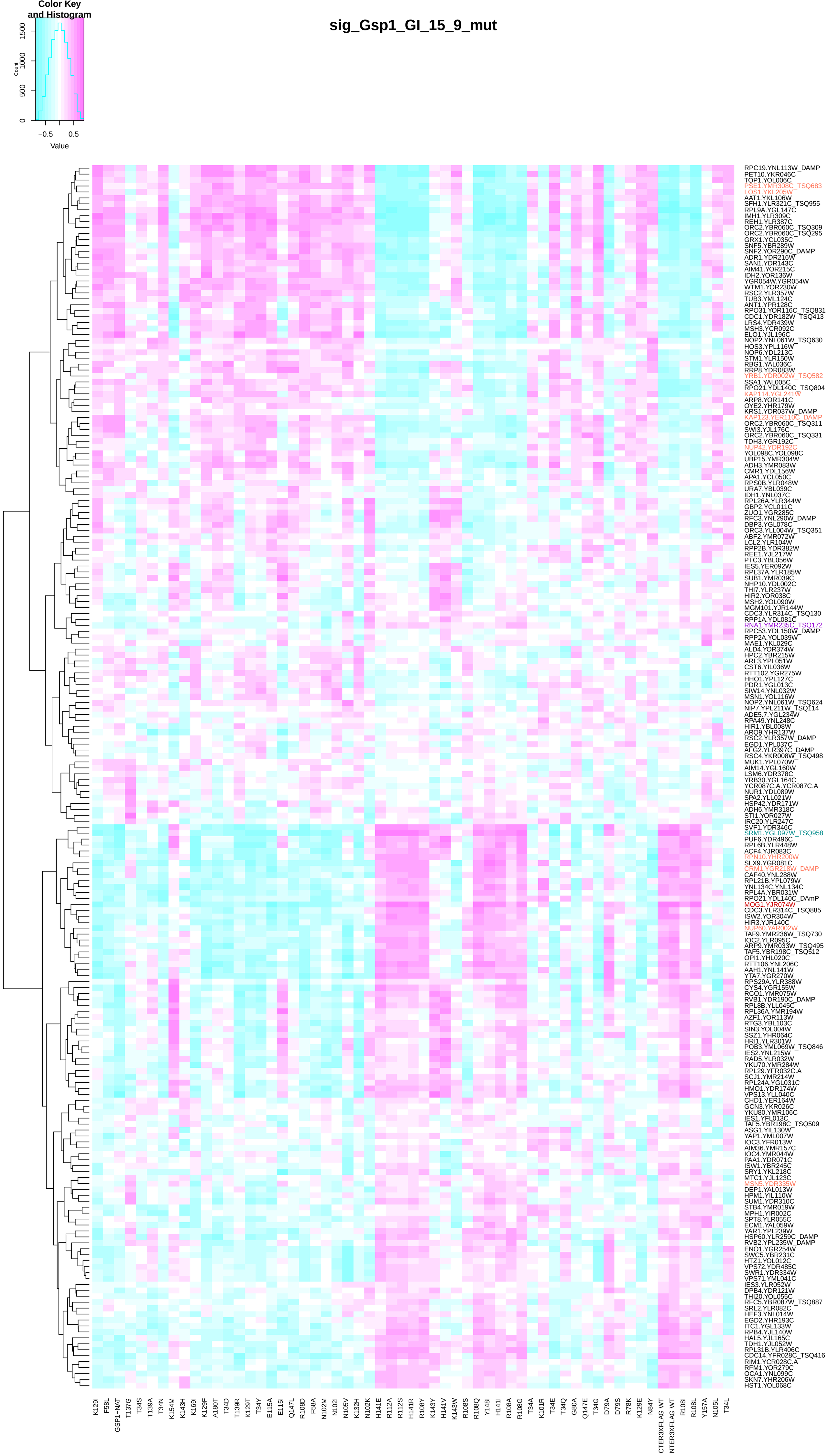
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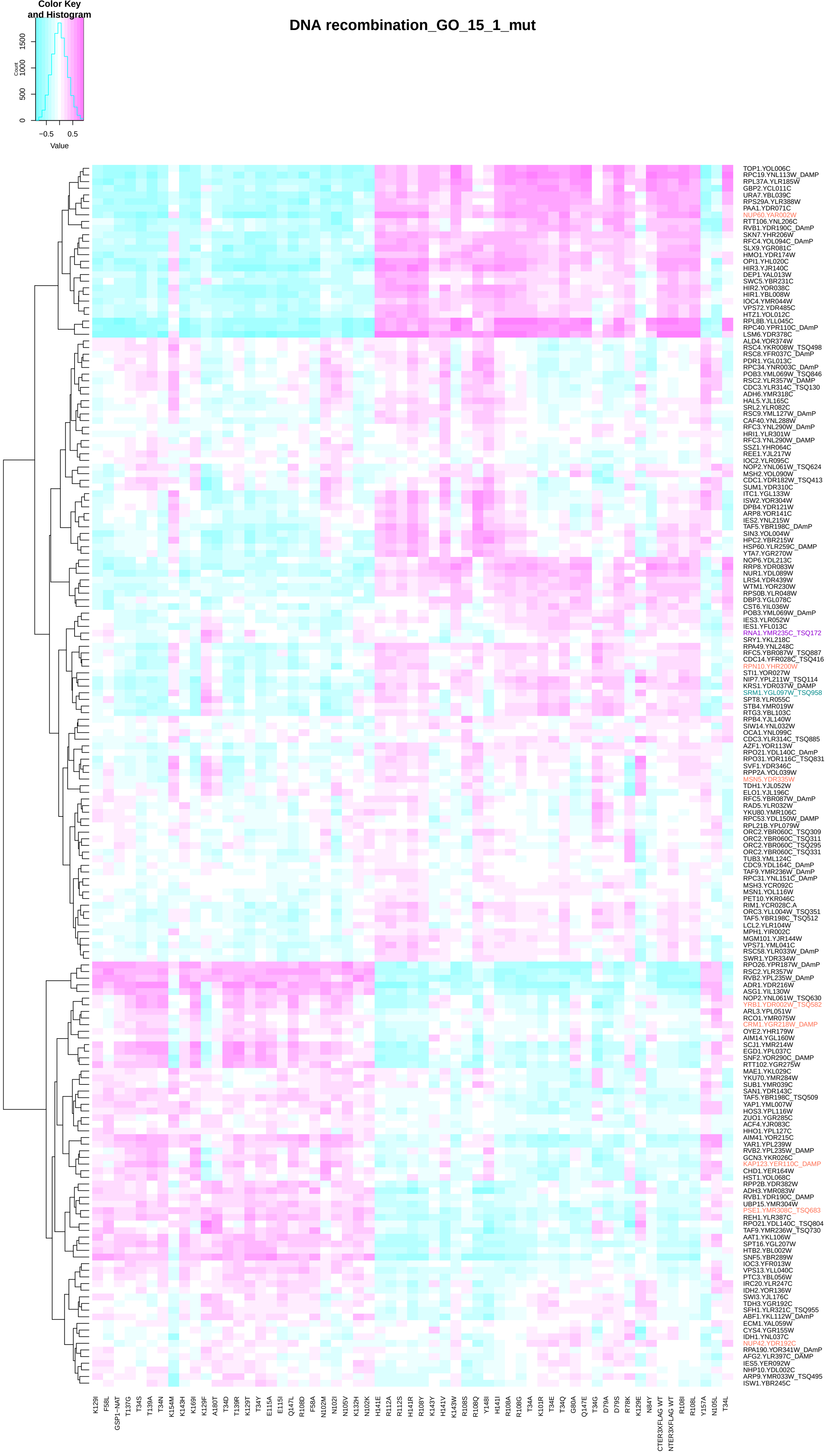
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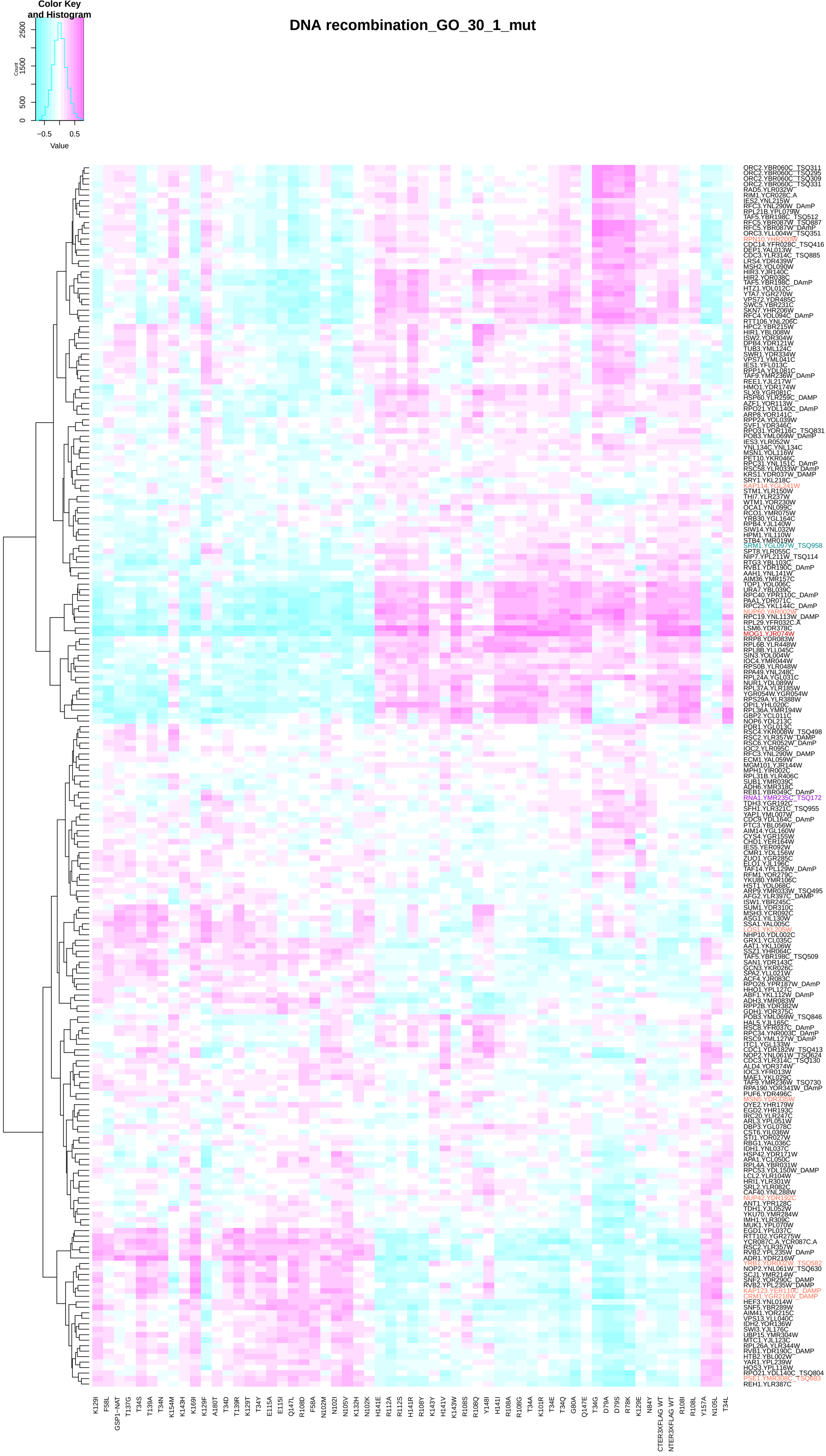
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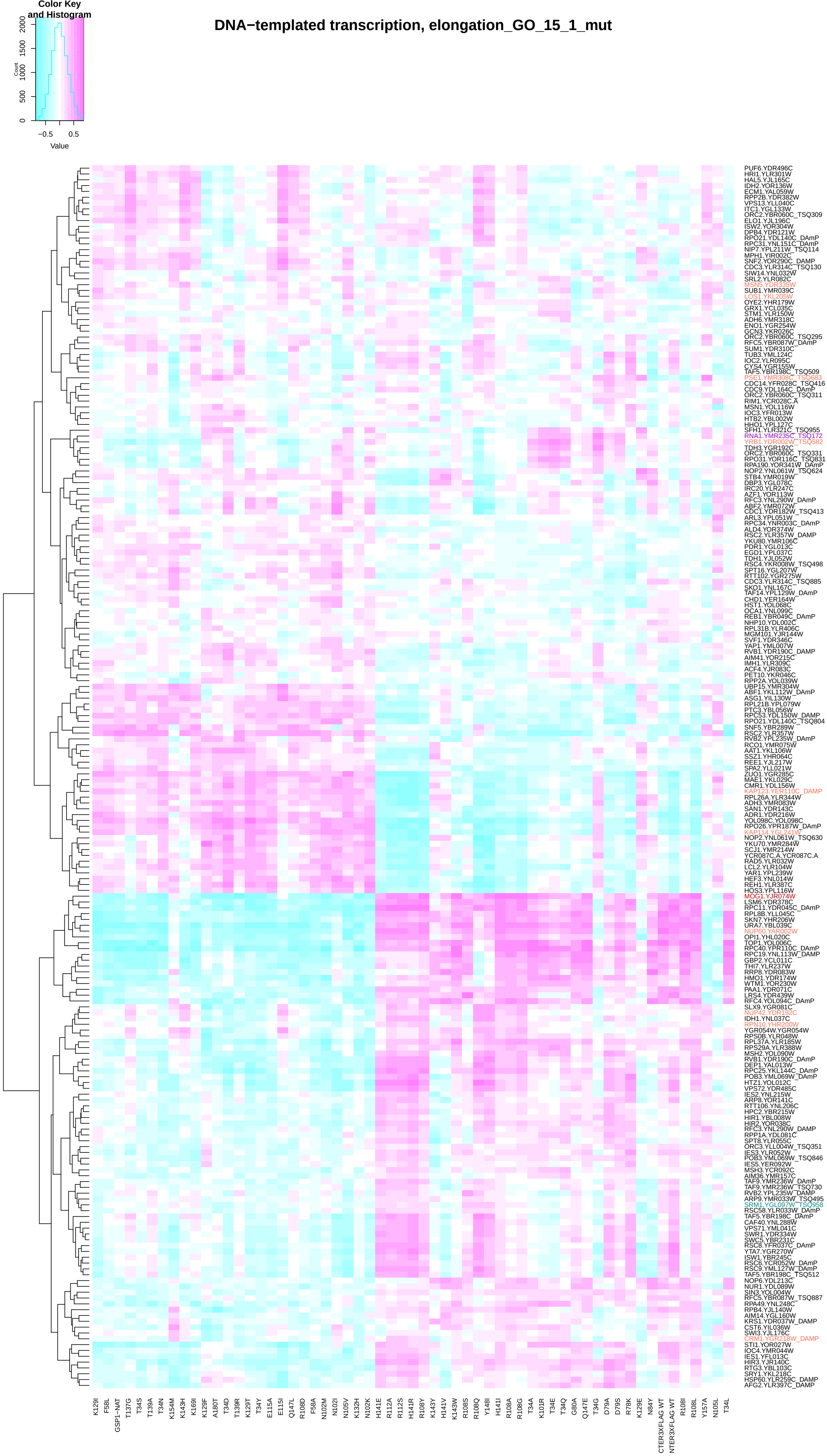
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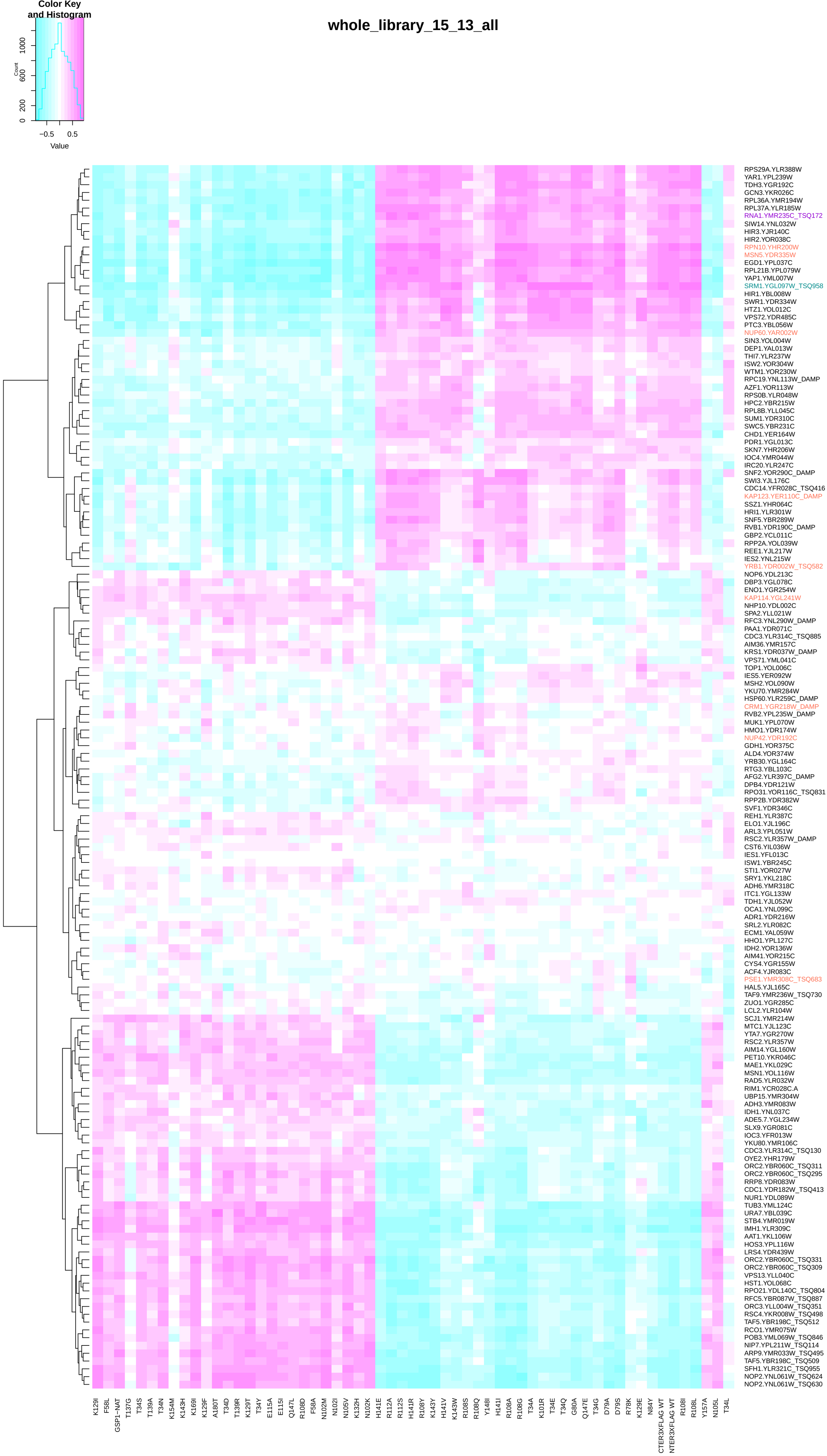
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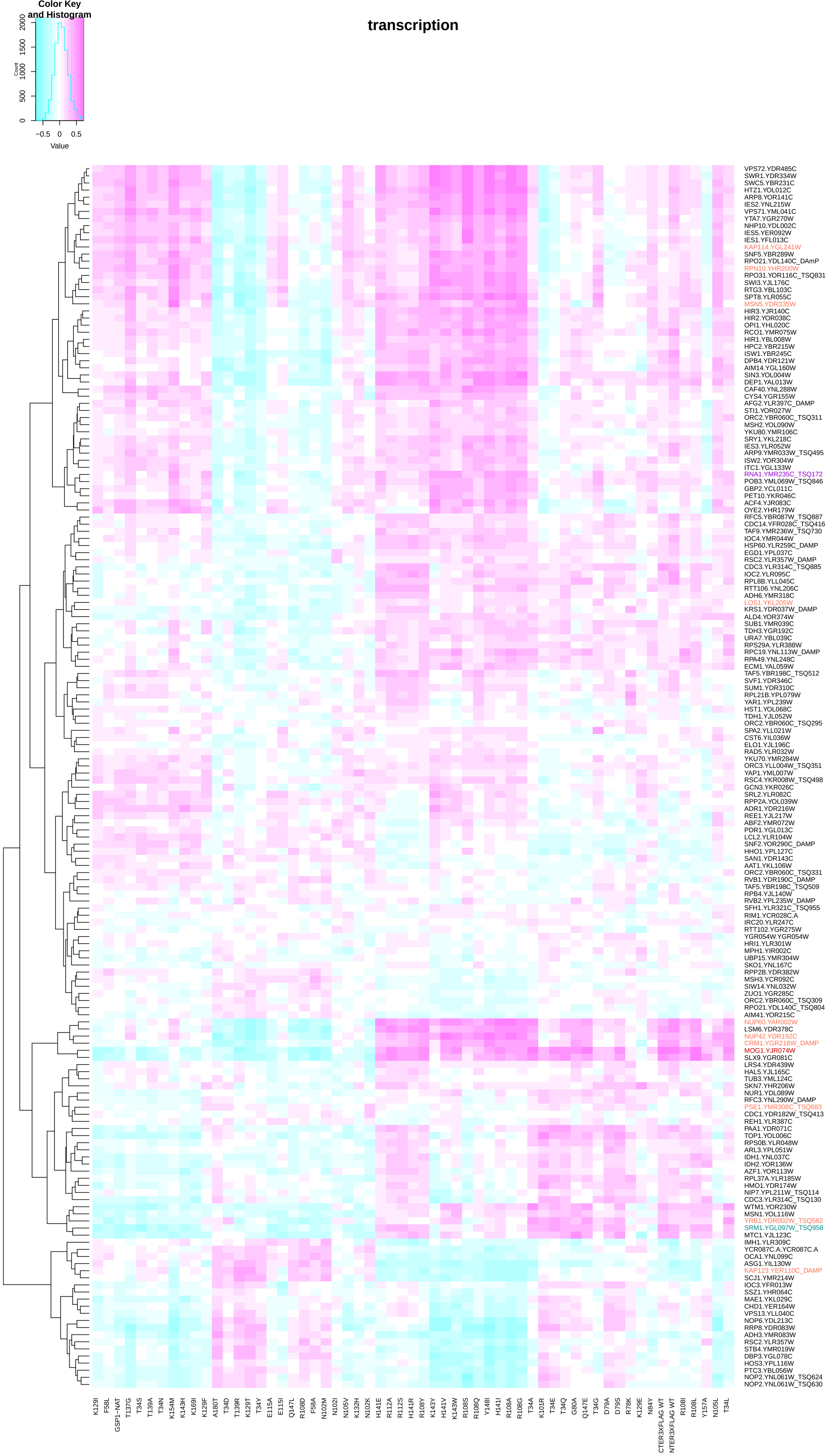
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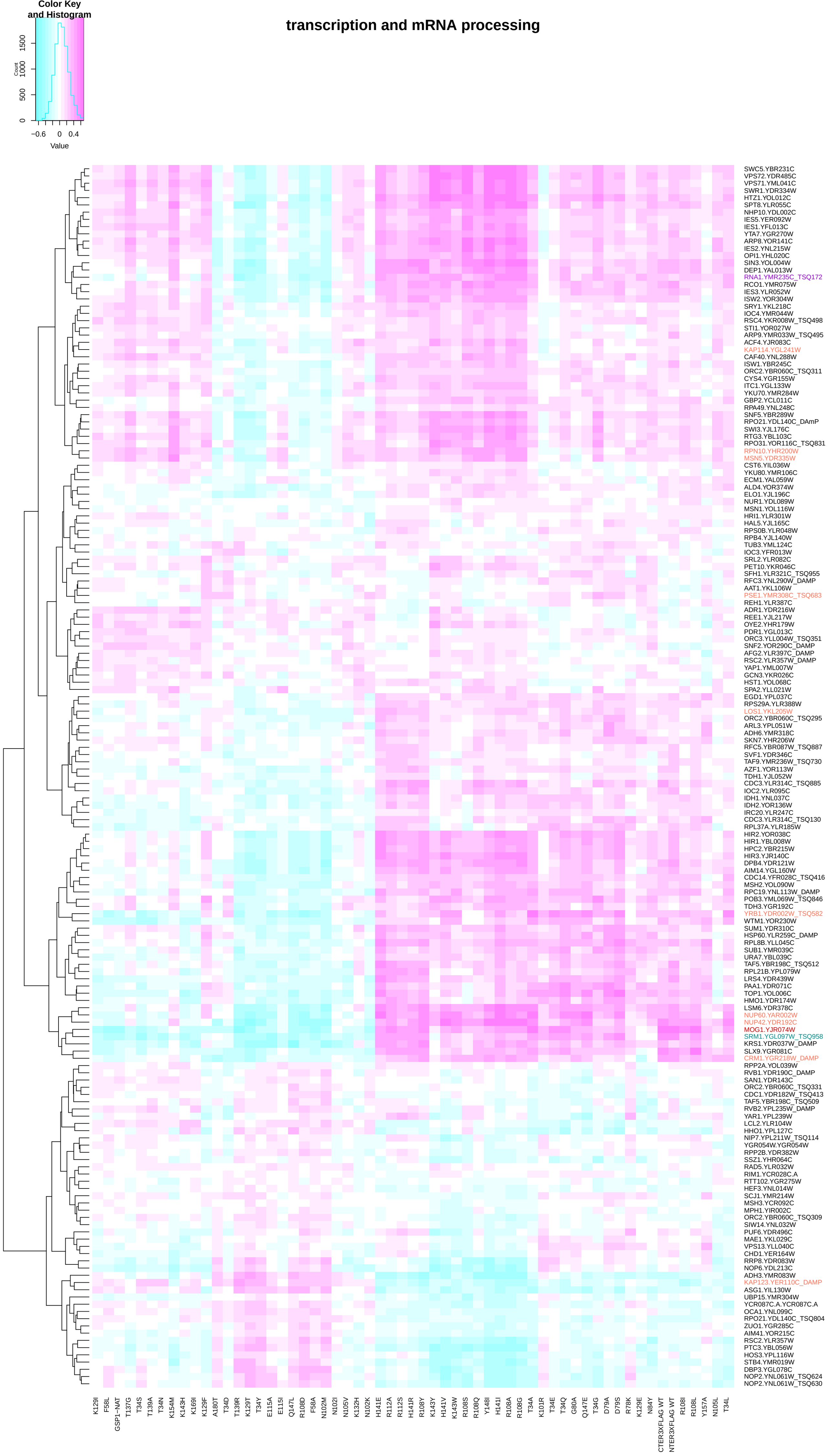
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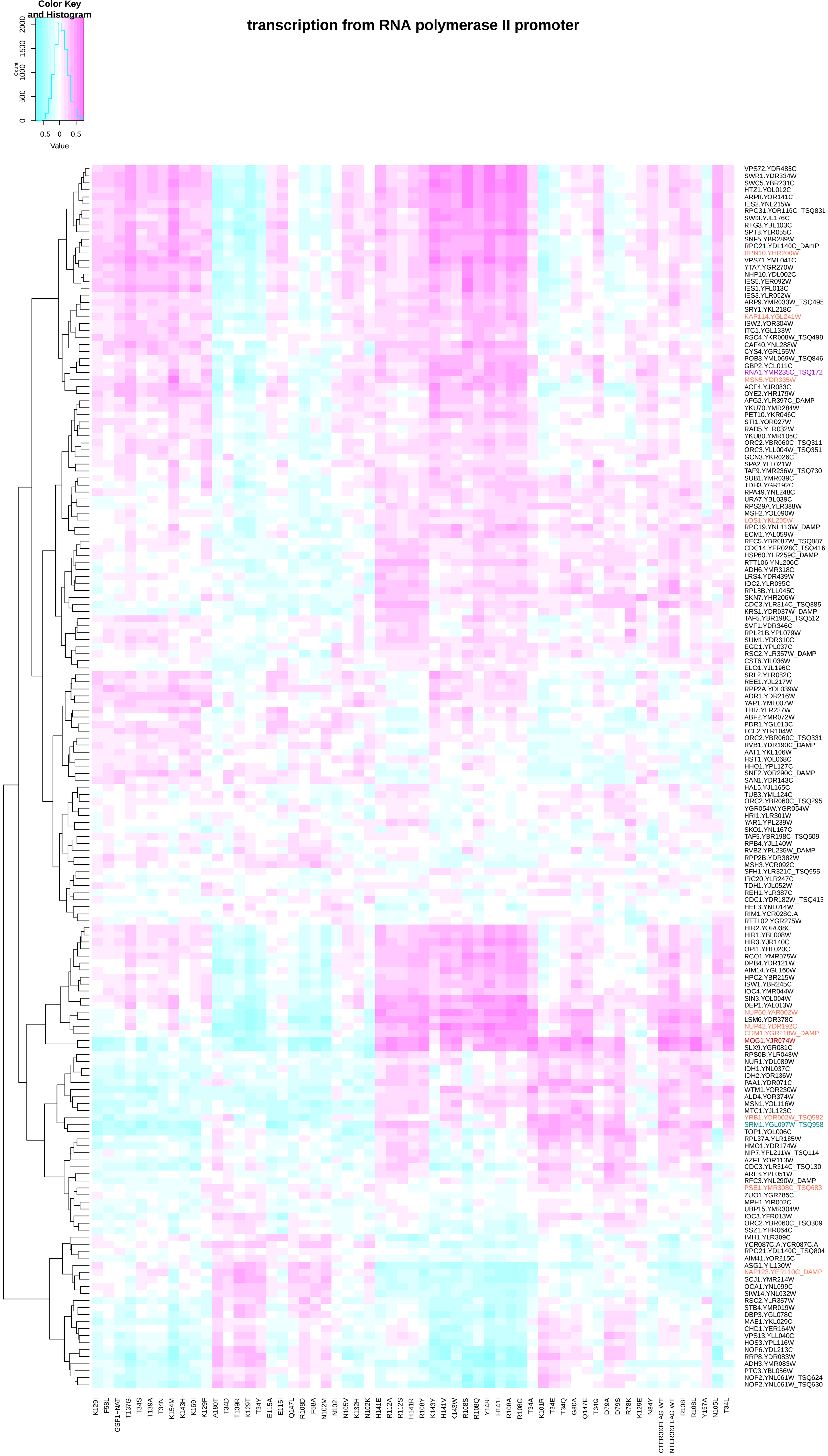
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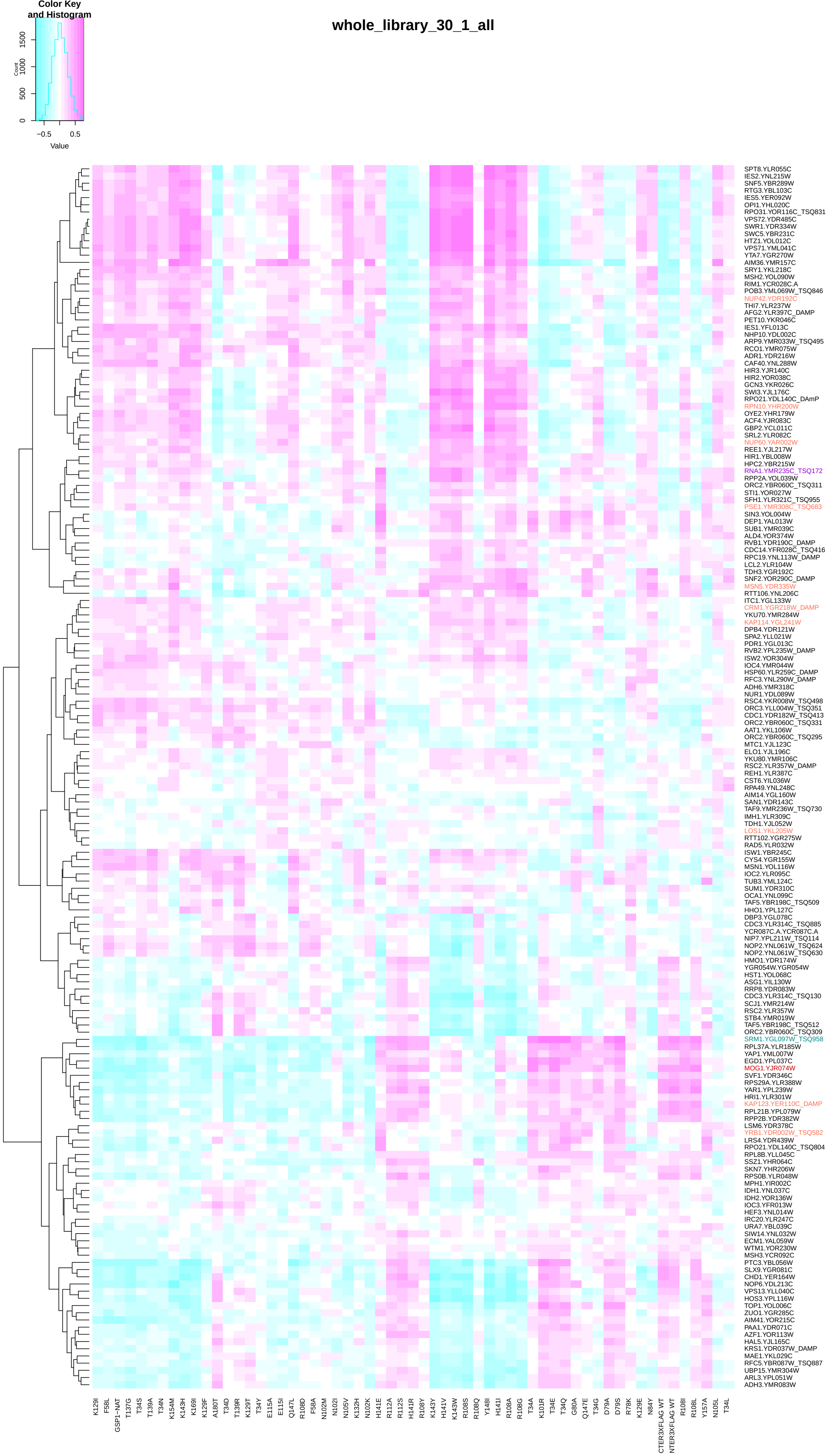
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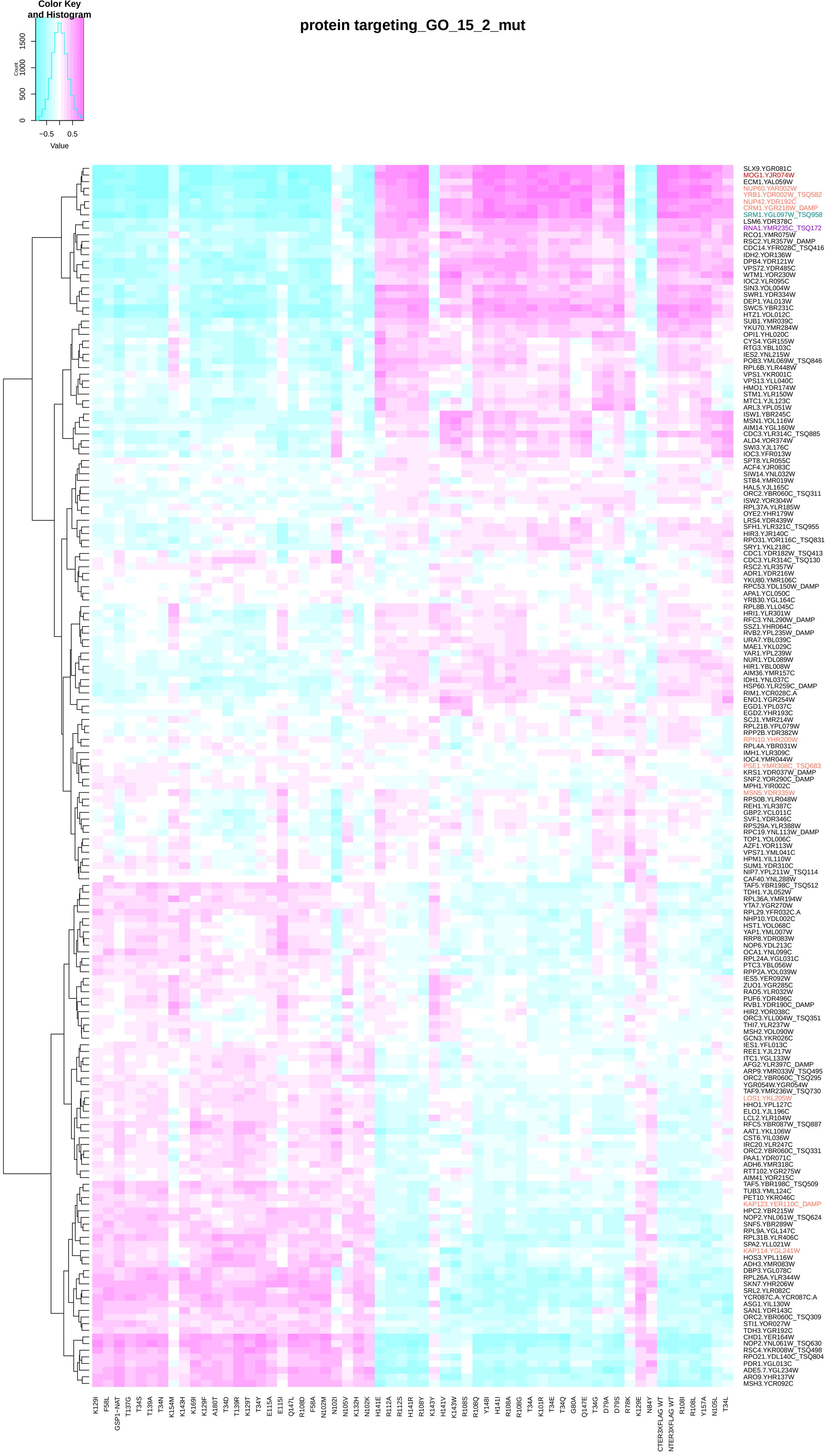
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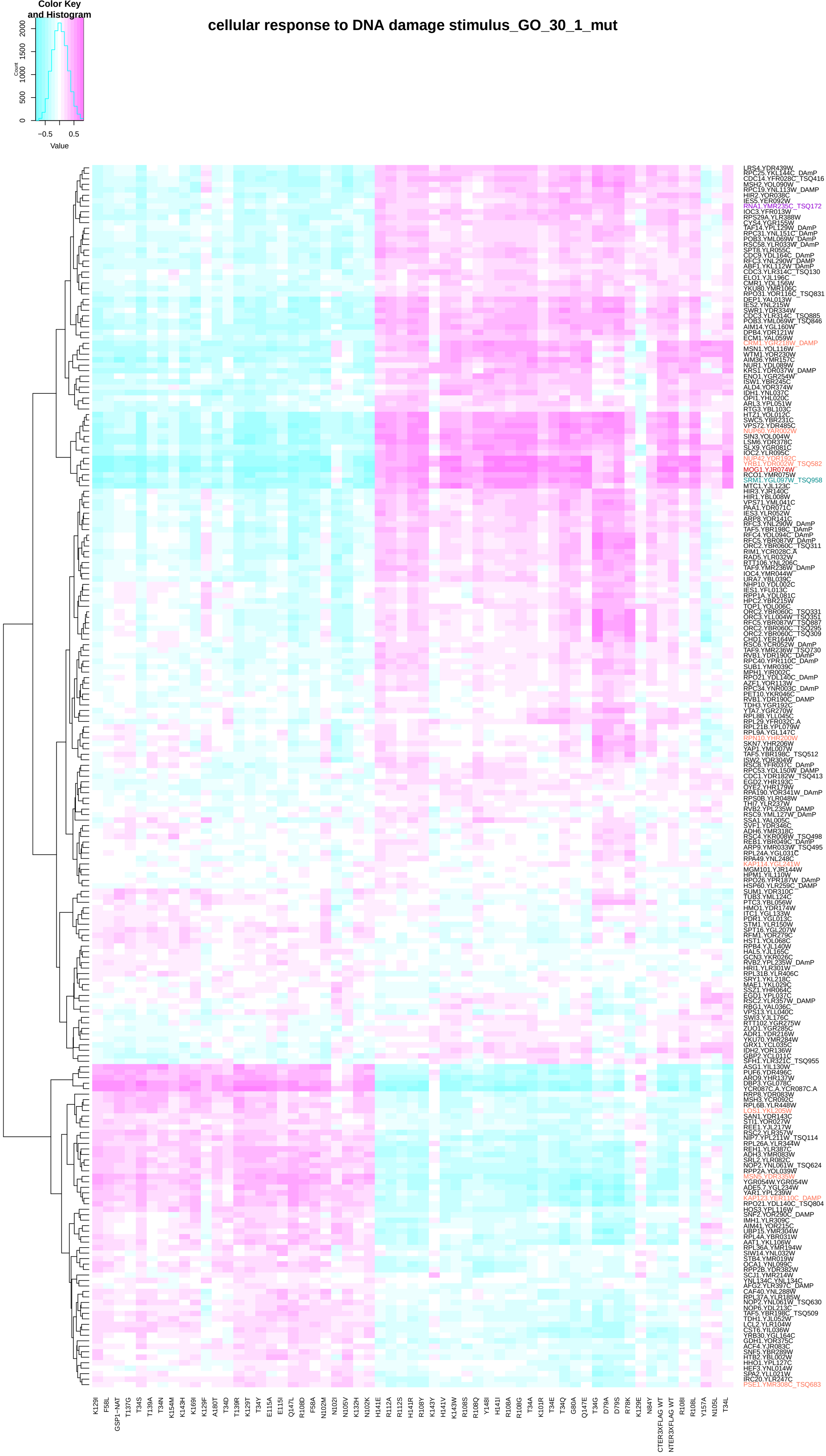
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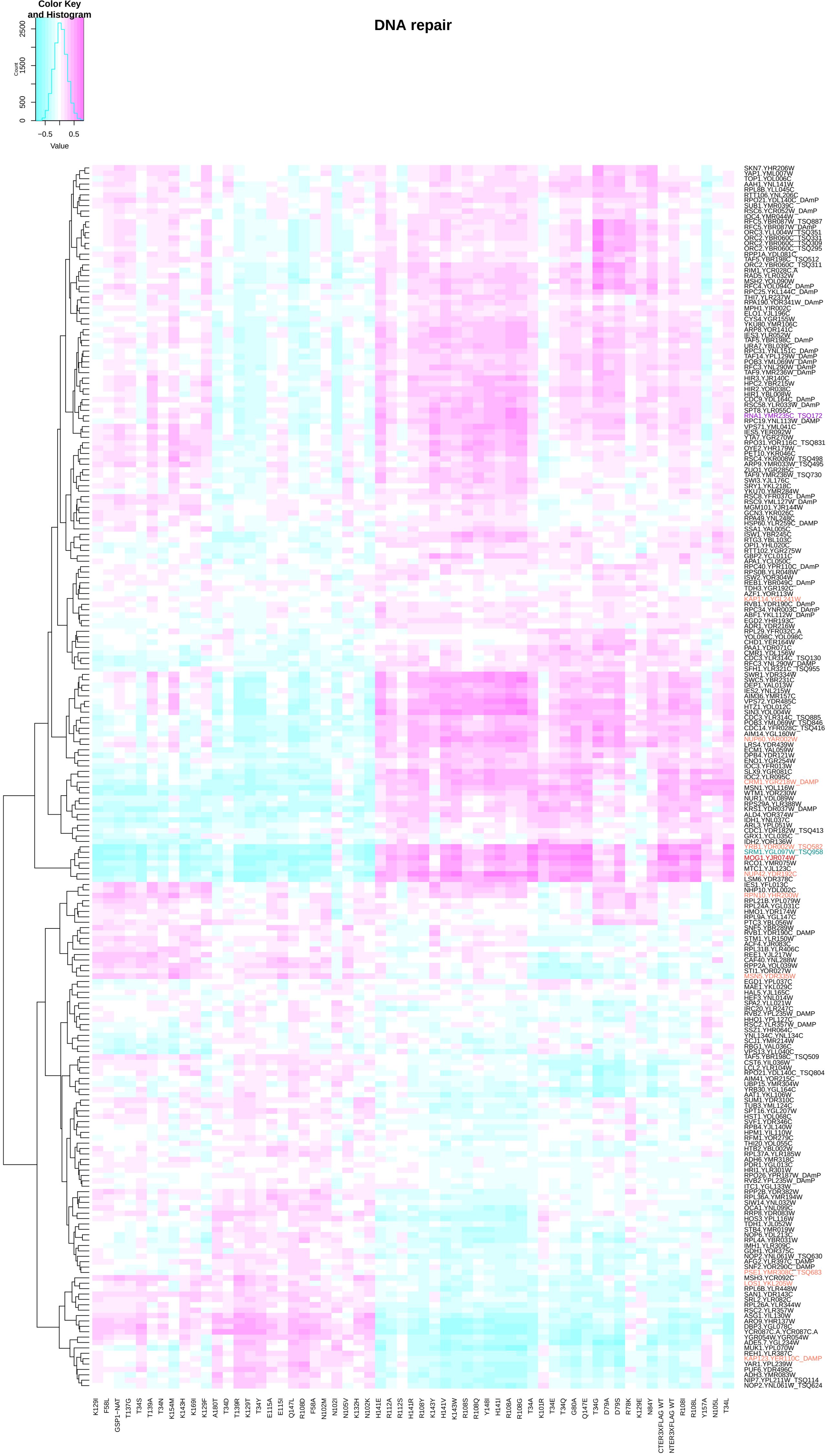
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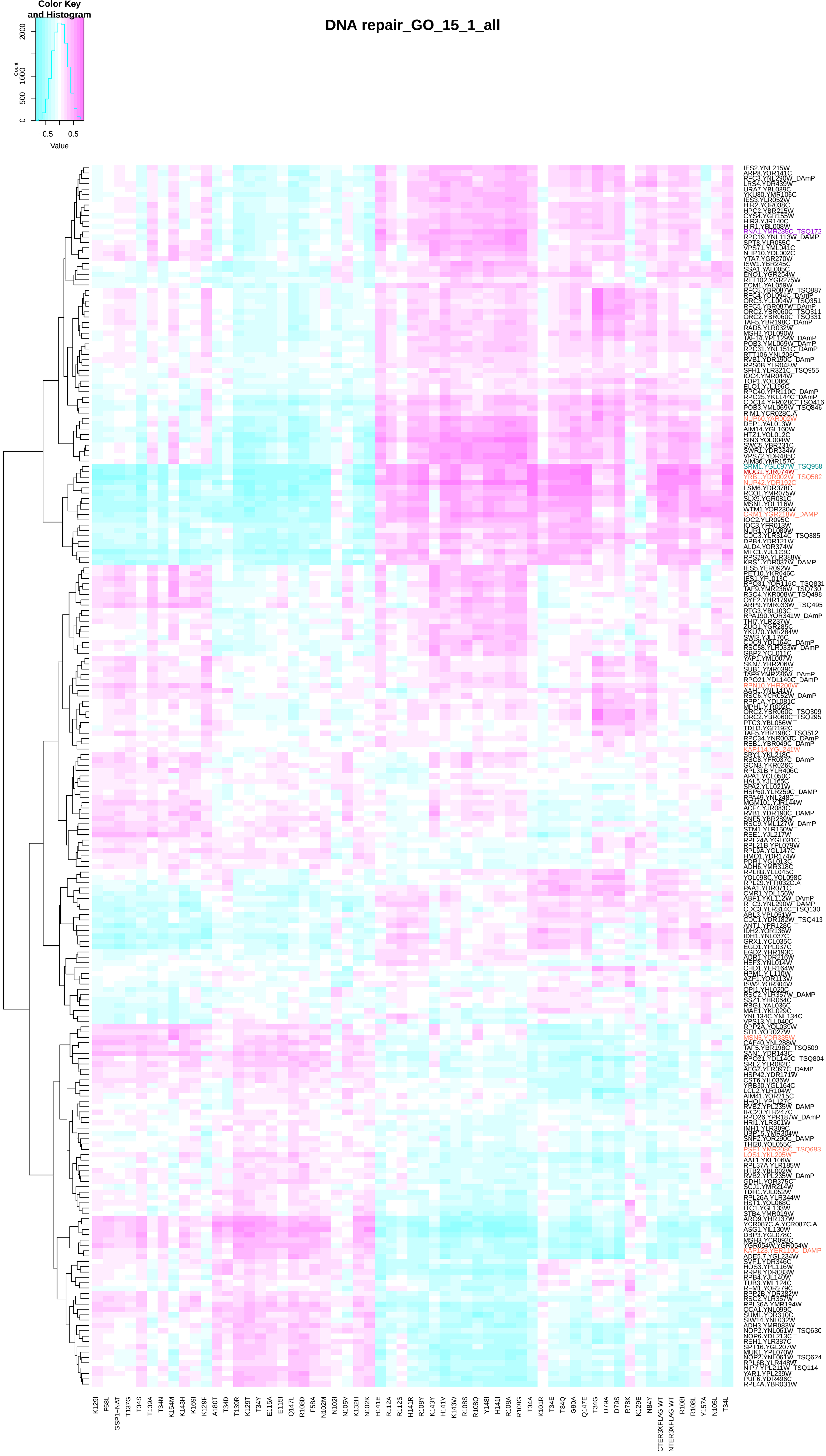
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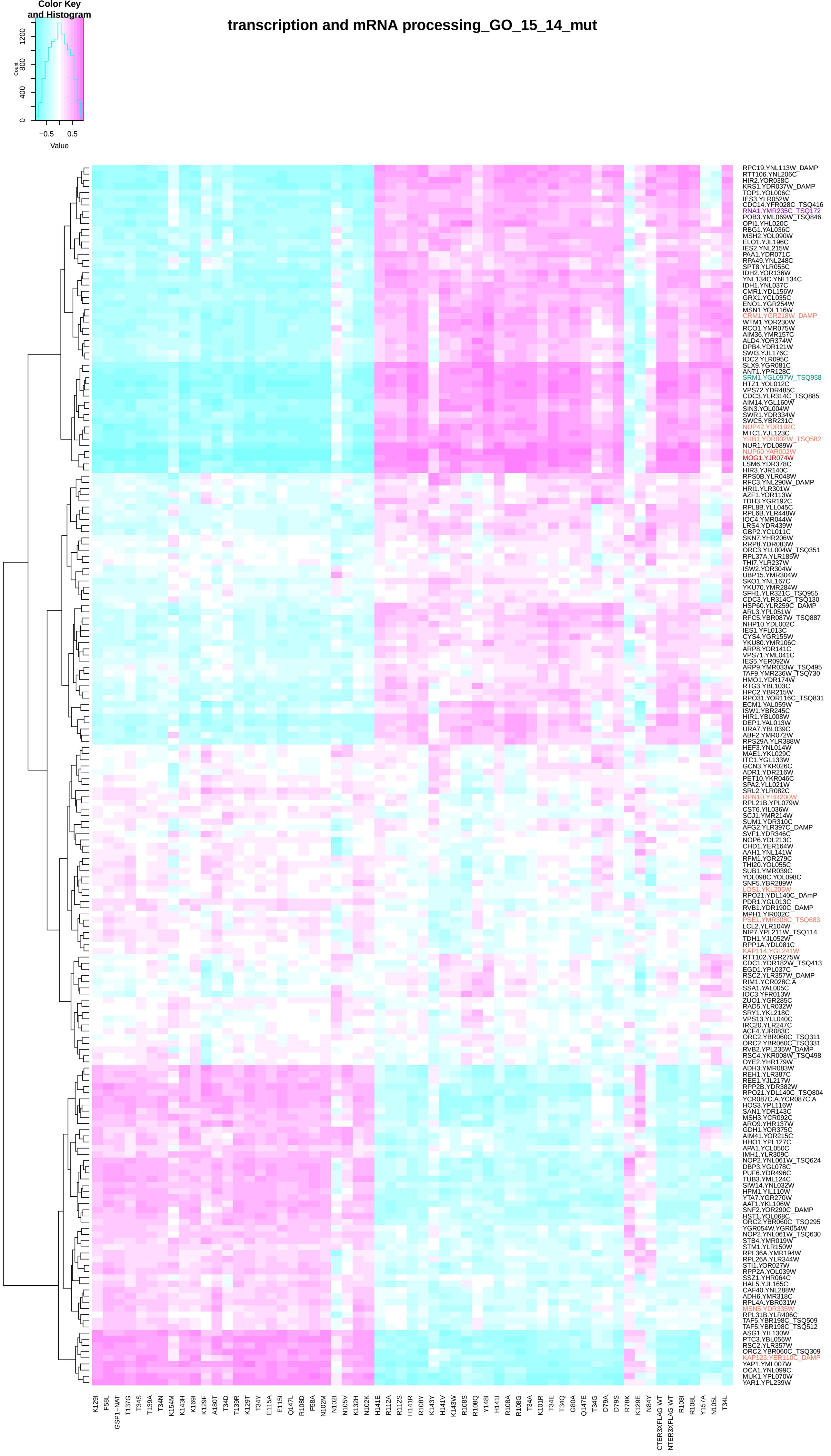
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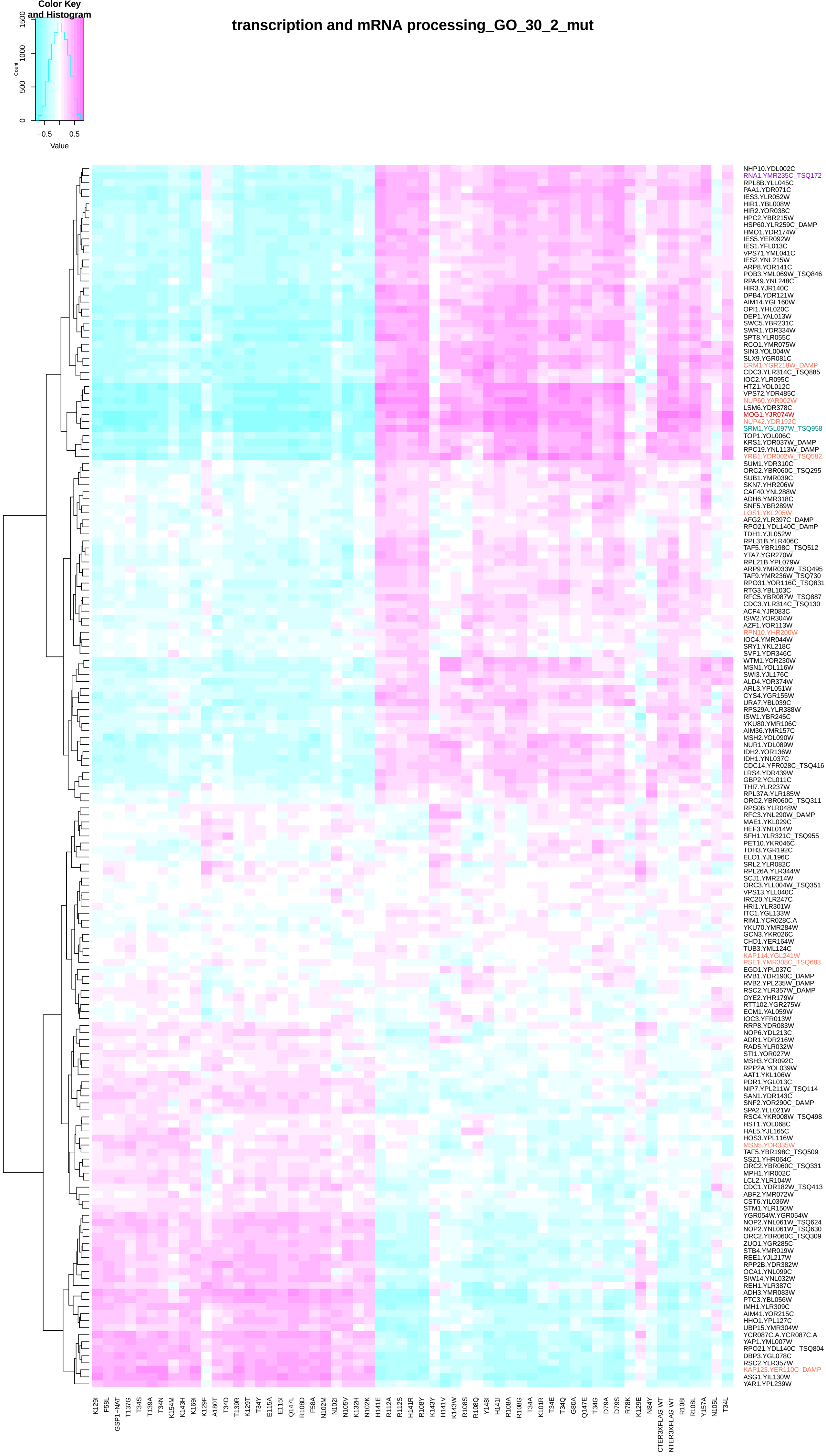
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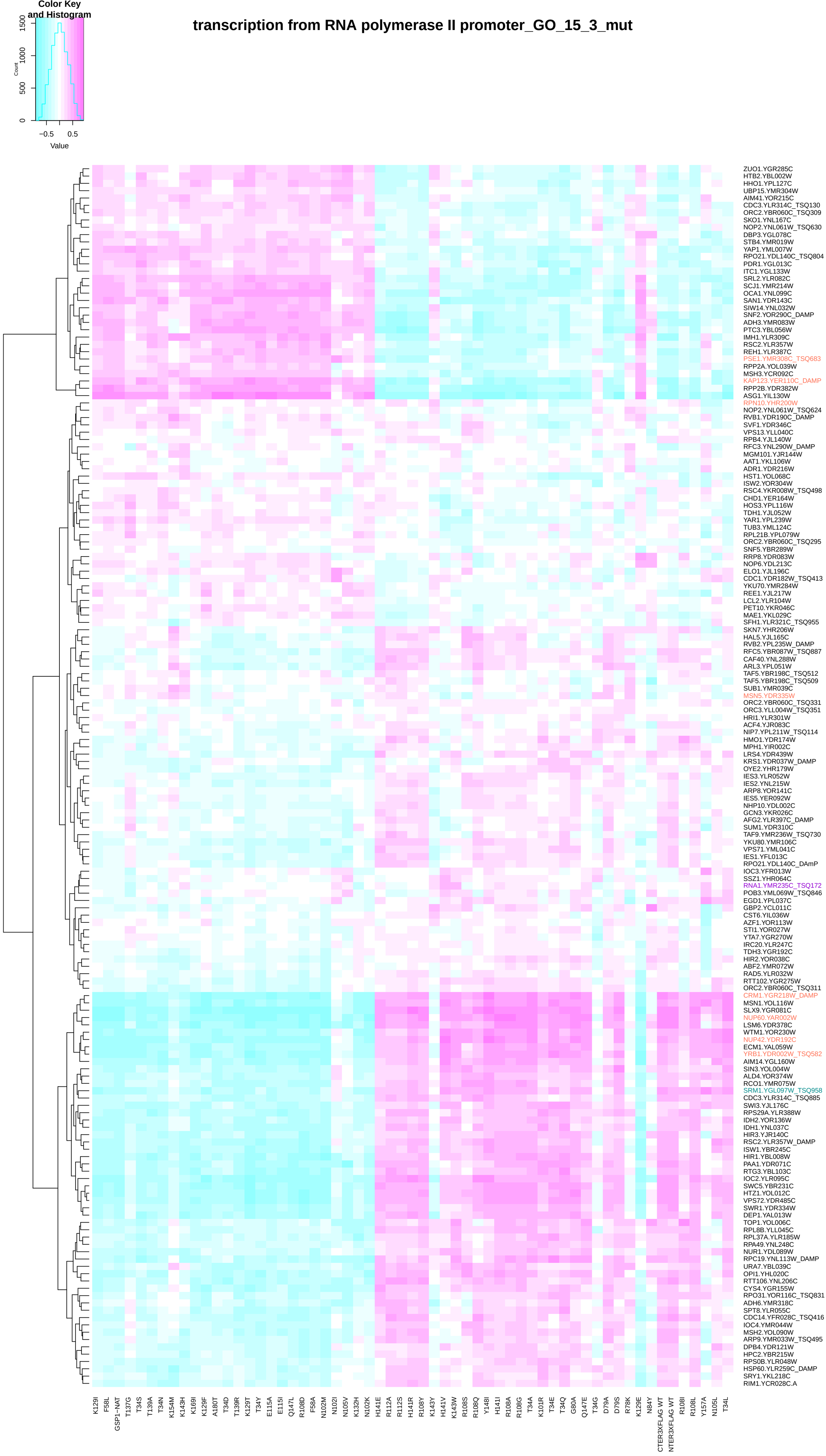
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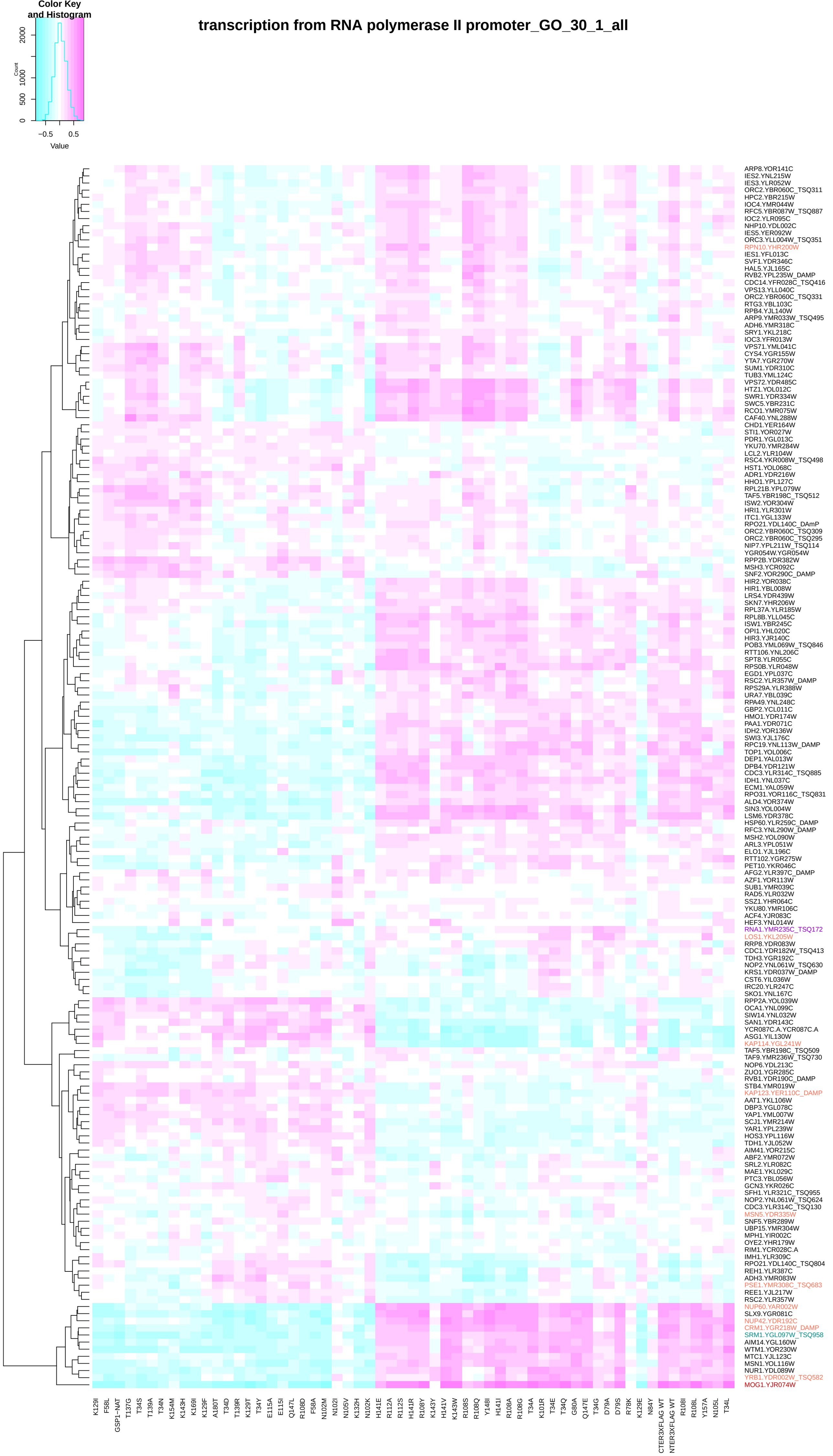
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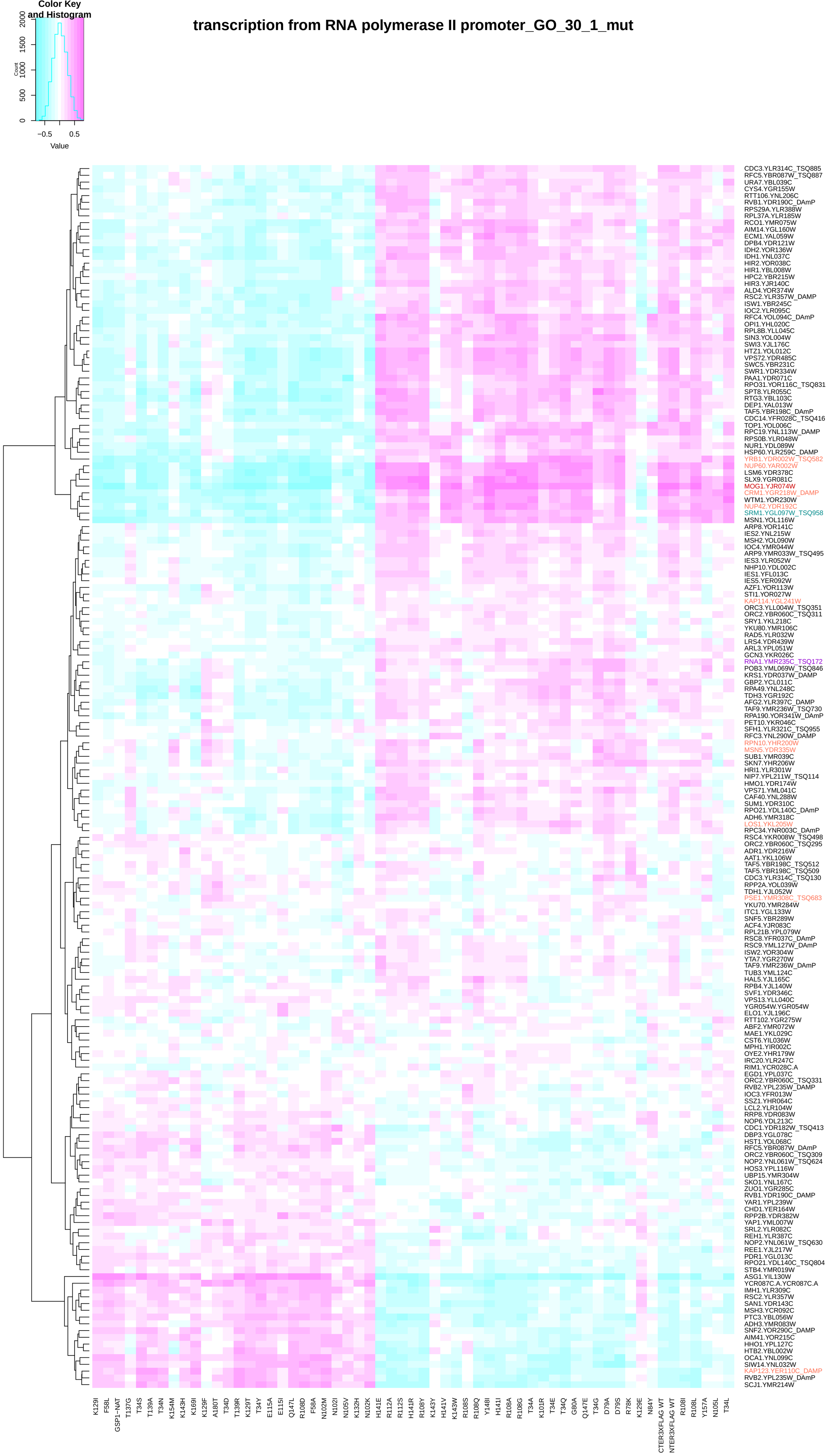
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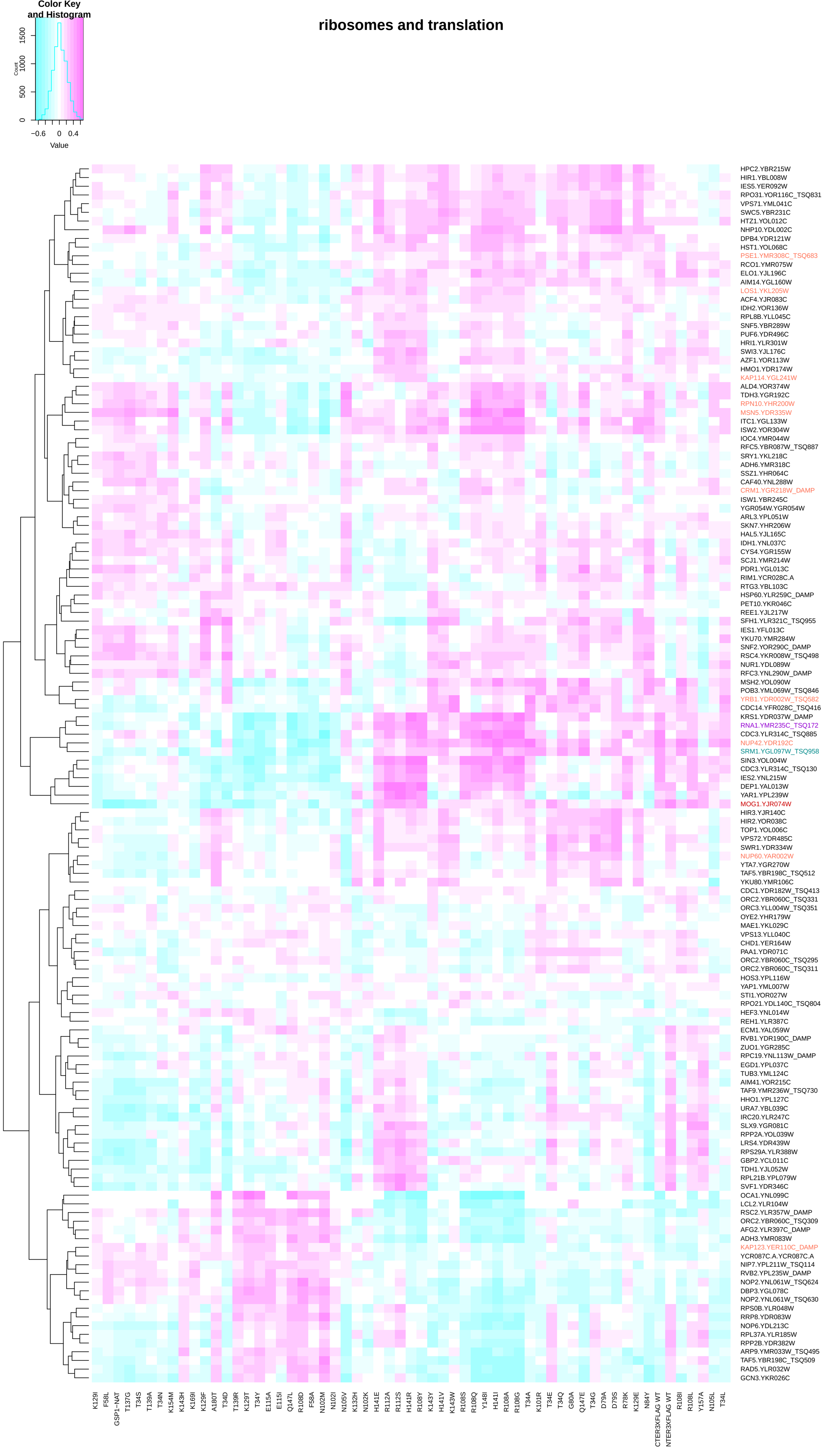
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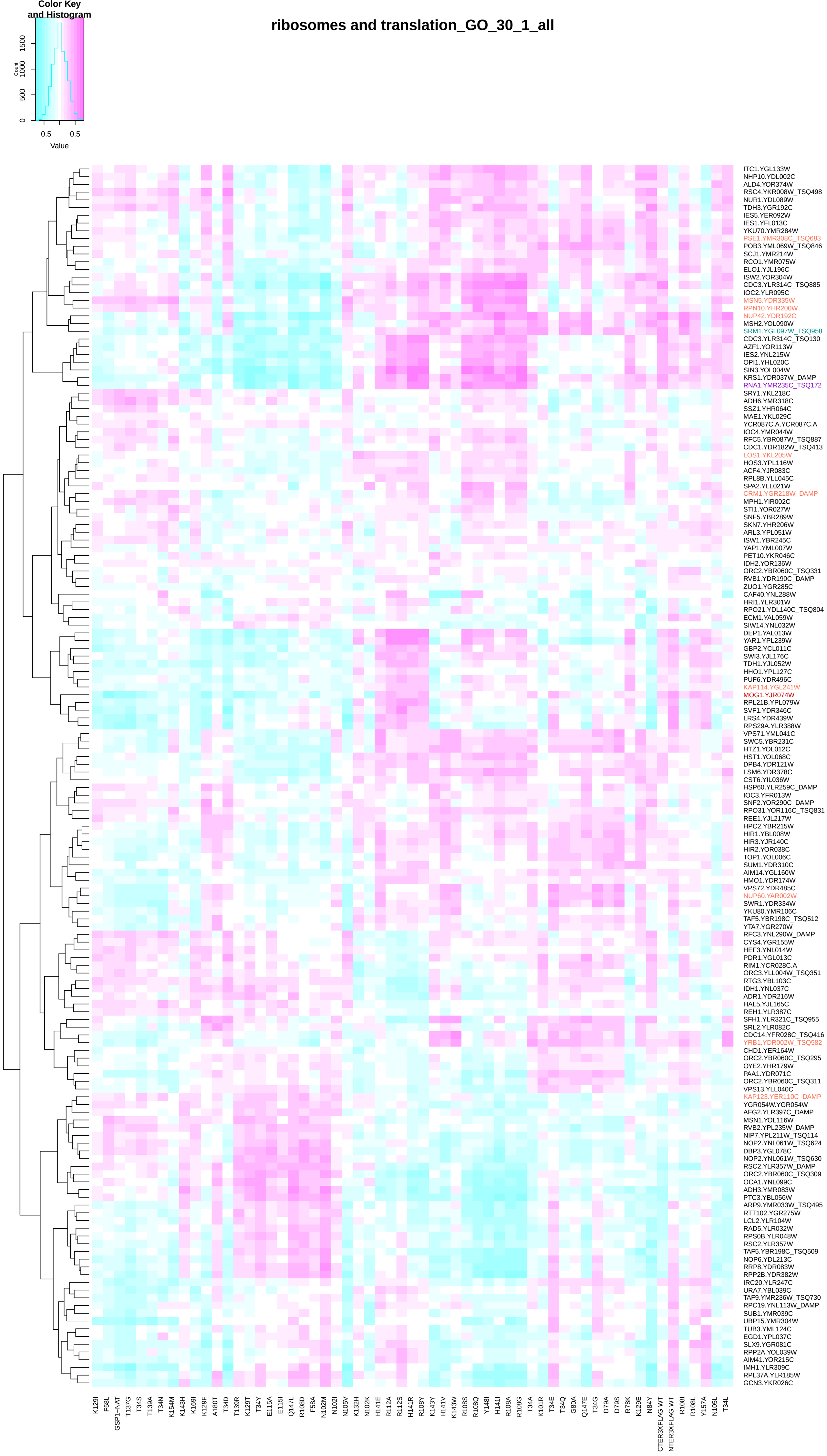
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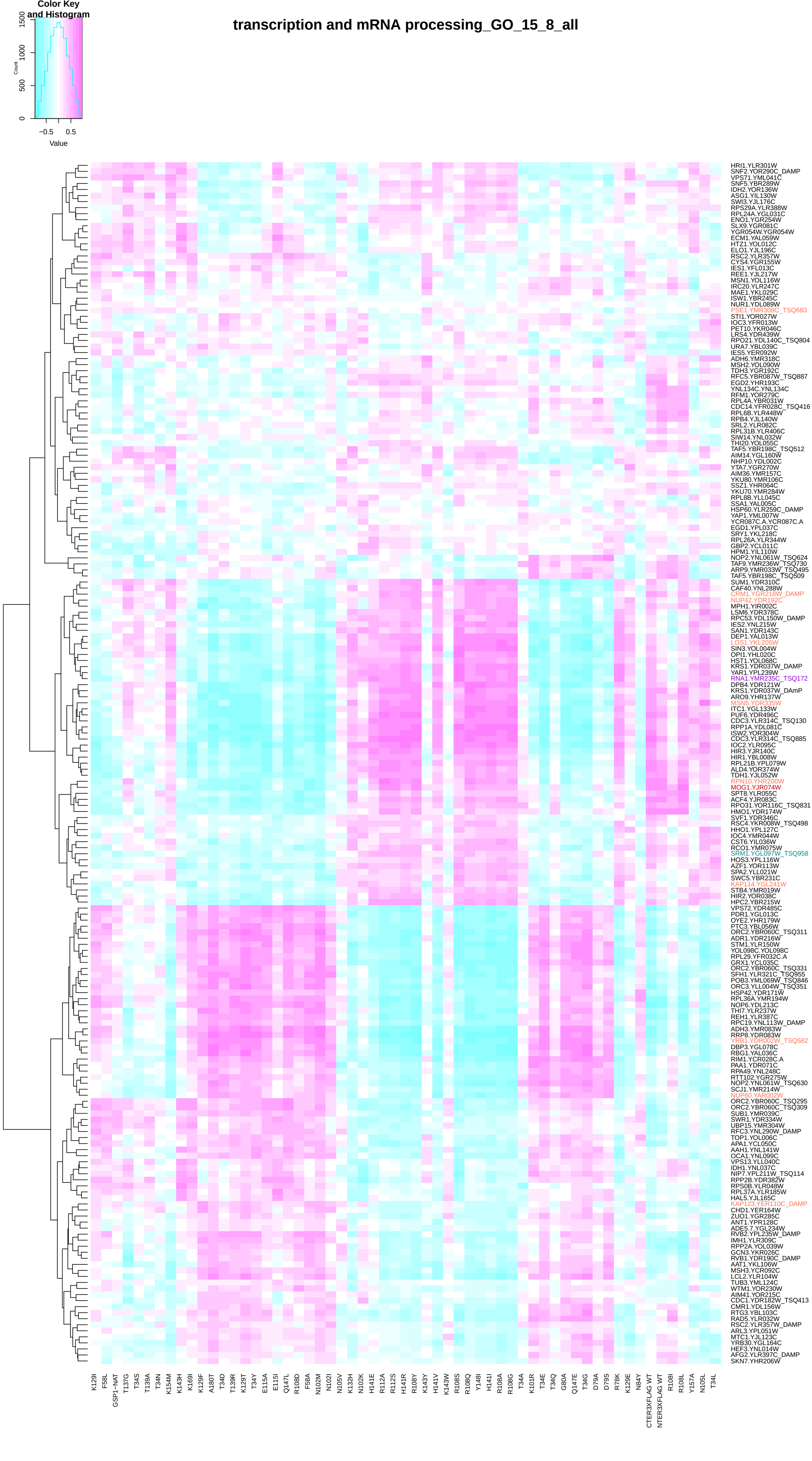
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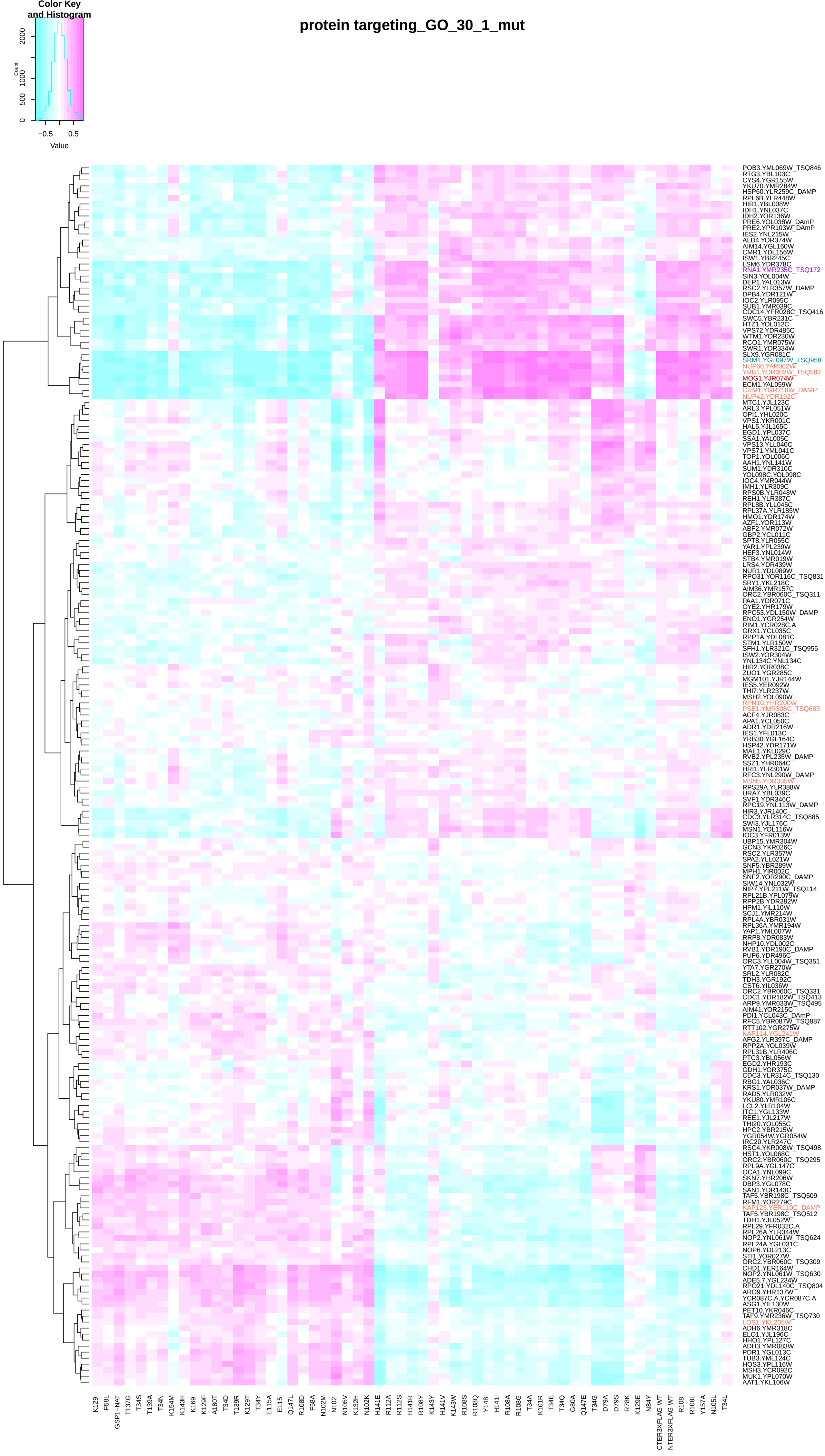
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K129E
N84Y
CTER3XFLAG WT
NTER3XFLAG WT
R108I
R108L
Y157A
N105L
T34L

Color Key
and Histogram
Count
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1500
2500
−0.5
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Value
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IES5.YER092W
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ARP8.YOR141C
SRY1.YKL218C
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RVB1.YDR190C_DAmP
NUP42.YDR192C
POB3.YML069W_DAmP
SIN3.YOL004W
SWI3.YJL176C
THI7.YLR237W
RPP1A.YDL081C
RTG3.YBL103C
IES1.YFL013C
HIR3.YJR140C
HIR2.YOR038C
HIR1.YBL008W
HPC2.YBR215W
SPT8.YLR055C
RTT106.YNL206C
POB3.YML069W_TSQ846
ORC3.YLL004W_TSQ351
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ORC2.YBR060C_TSQ311
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AFG2.YLR397C_DAMP
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SWR1.YDR334W
SWC5.YBR231C
VPS72.YDR485C
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YTA7.YGR270W
CAF40.YNL288W
ISW1.YBR245C
RSC9.YML127W_DAmP
TAF5.YBR198C_TSQ512
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LRS4.YDR439W
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TAF5.YBR198C_DAmP
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RSC58.YLR033W_DAmP
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SNF5.YBR289W
ARL3.YPL051W
EGD1.YPL037C
PDR1.YGL013C
MSN5.YDR335W
CST6.YIL036W
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SRL2.YLR082C
SNF2.YOR290C_DAMP
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ITC1.YGL133W
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ABF1.YKL112W_DAmP
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RVB2.YPL235W_DAMP
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ZUO1.YGR285C
HEF3.YNL014W
RAD5.YLR032W
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NUP60.YAR002W
LSM6.YDR378C
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RPC25.YKL144C_DAmP
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OPI1.YHL020C
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K143H
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N84Y
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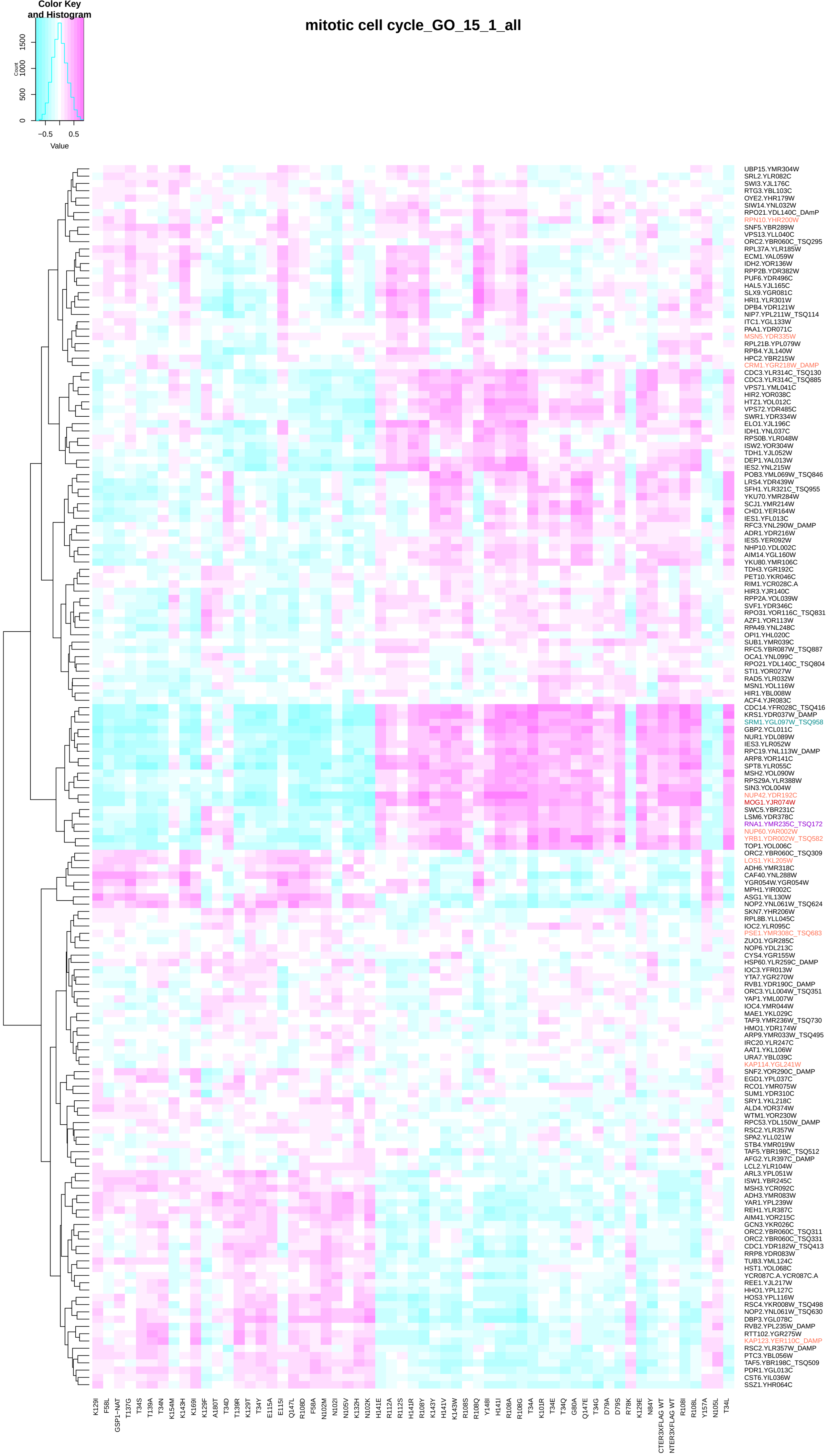
Color Key
and Histogram
Count
Value
mitotic cell cycle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RPN10.YHR200W
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VPS13.YLL040C
ORC2.YBR060C_TSQ295
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ECM1.YAL059W
IDH2.YOR136W
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HAL5.YJL165C
SLX9.YGR081C
HRI1.YLR301W
DPB4.YDR121W
NIP7.YPL211W_TSQ114
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MSN5.YDR335W
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RPB4.YJL140W
HPC2.YBR215W
CRM1.YGR218W_DAMP
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HTZ1.YOL012C
VPS72.YDR485C
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ELO1.YJL196C
IDH1.YNL037C
RPS0B.YLR048W
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IES1.YFL013C
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IES5.YER092W
NHP10.YDL002C
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TDH3.YGR192C
PET10.YKR046C
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HIR3.YJR140C
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SPT8.YLR055C
MSH2.YOL090W
RPS29A.YLR388W
SIN3.YOL004W
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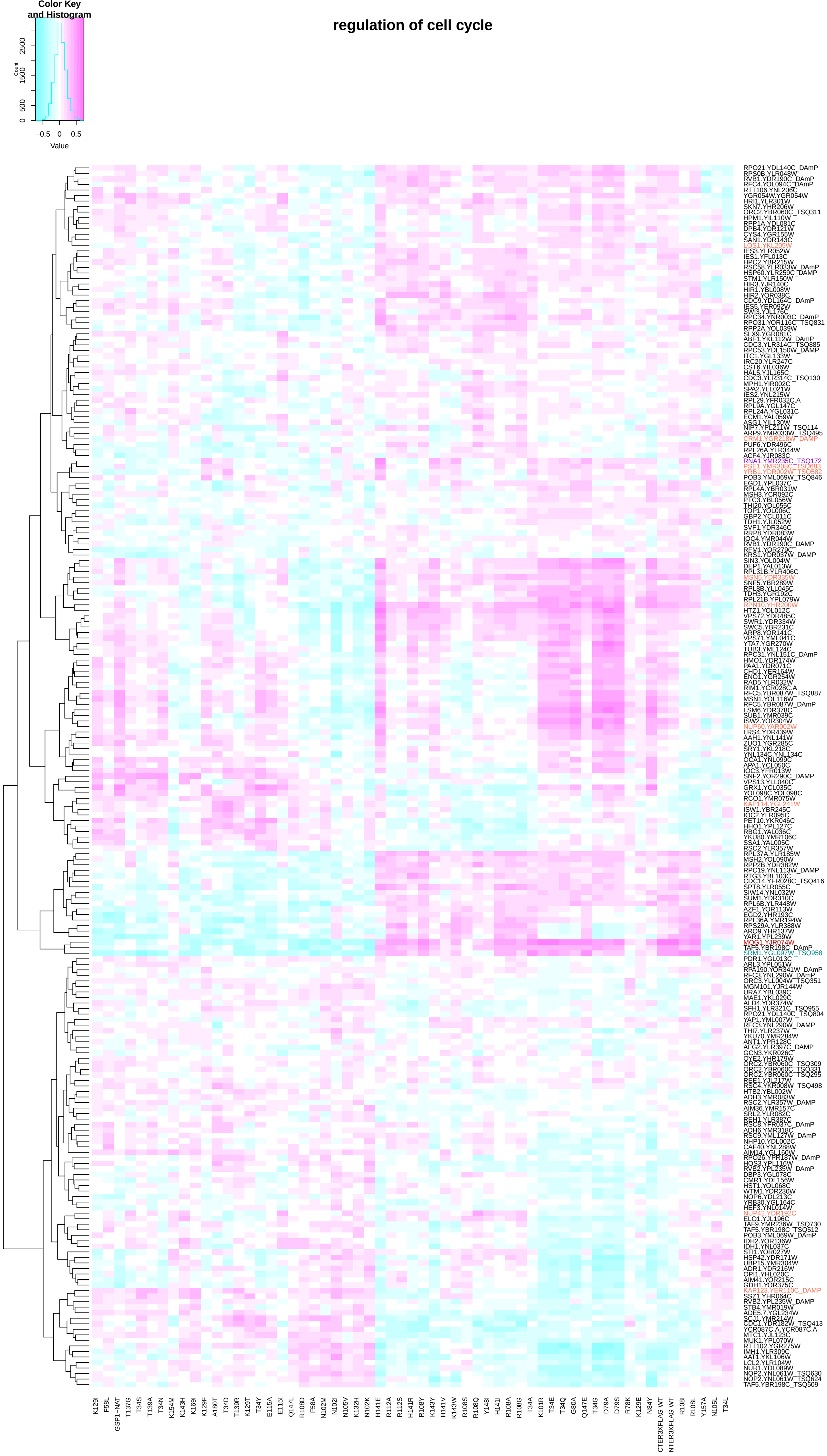
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HRI1.YLR301W
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IES1.YFL013C
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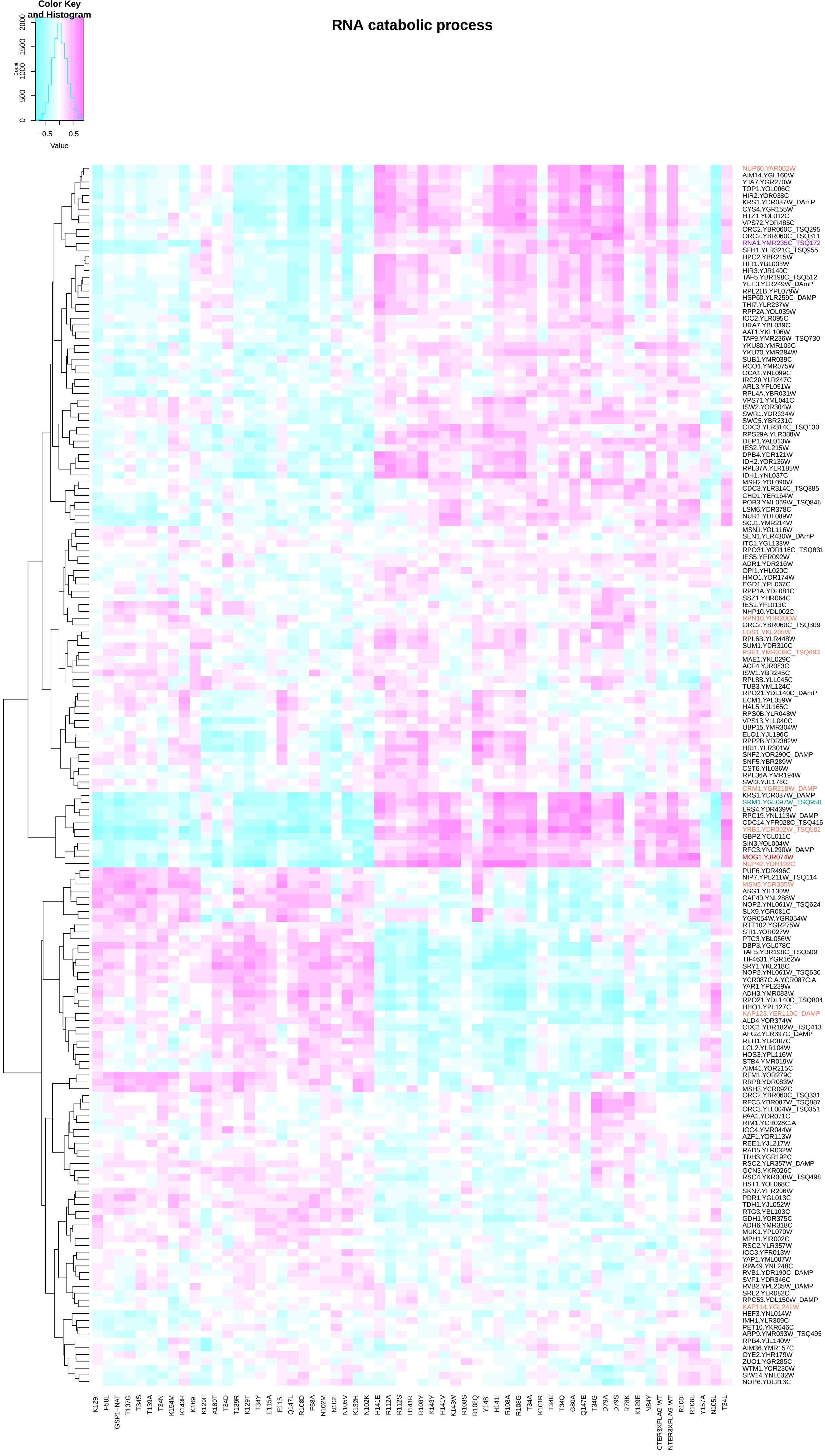
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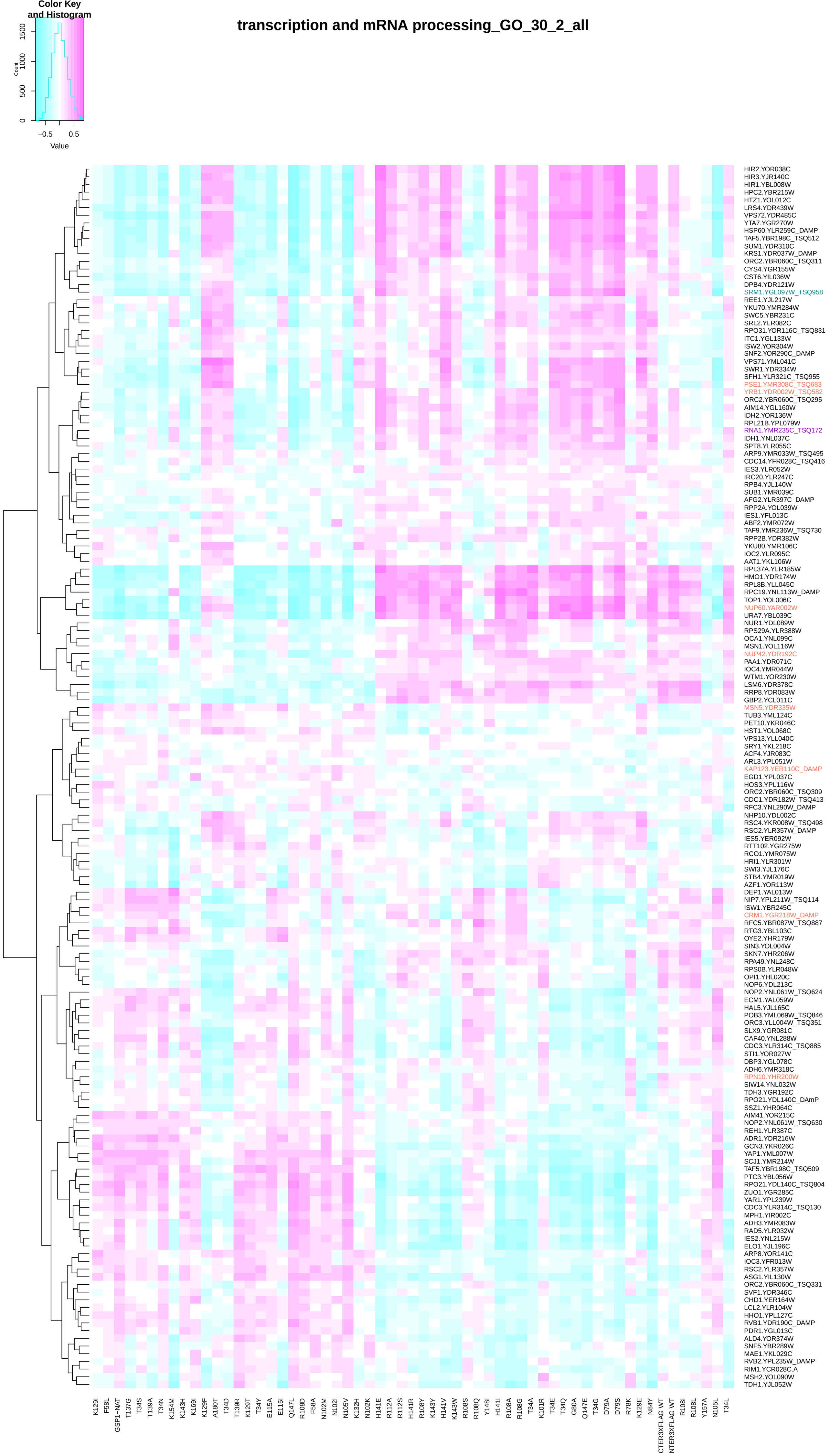
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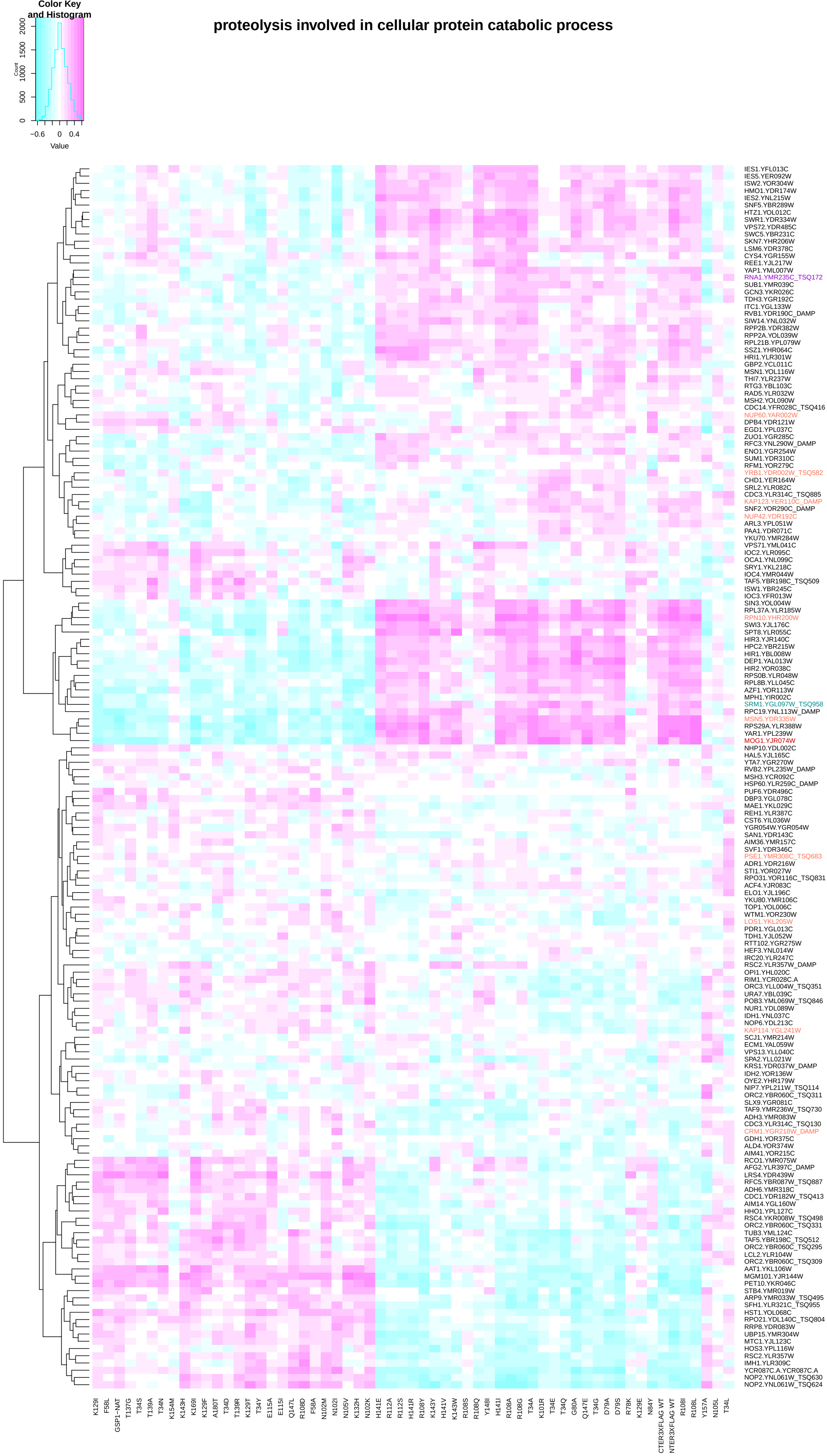
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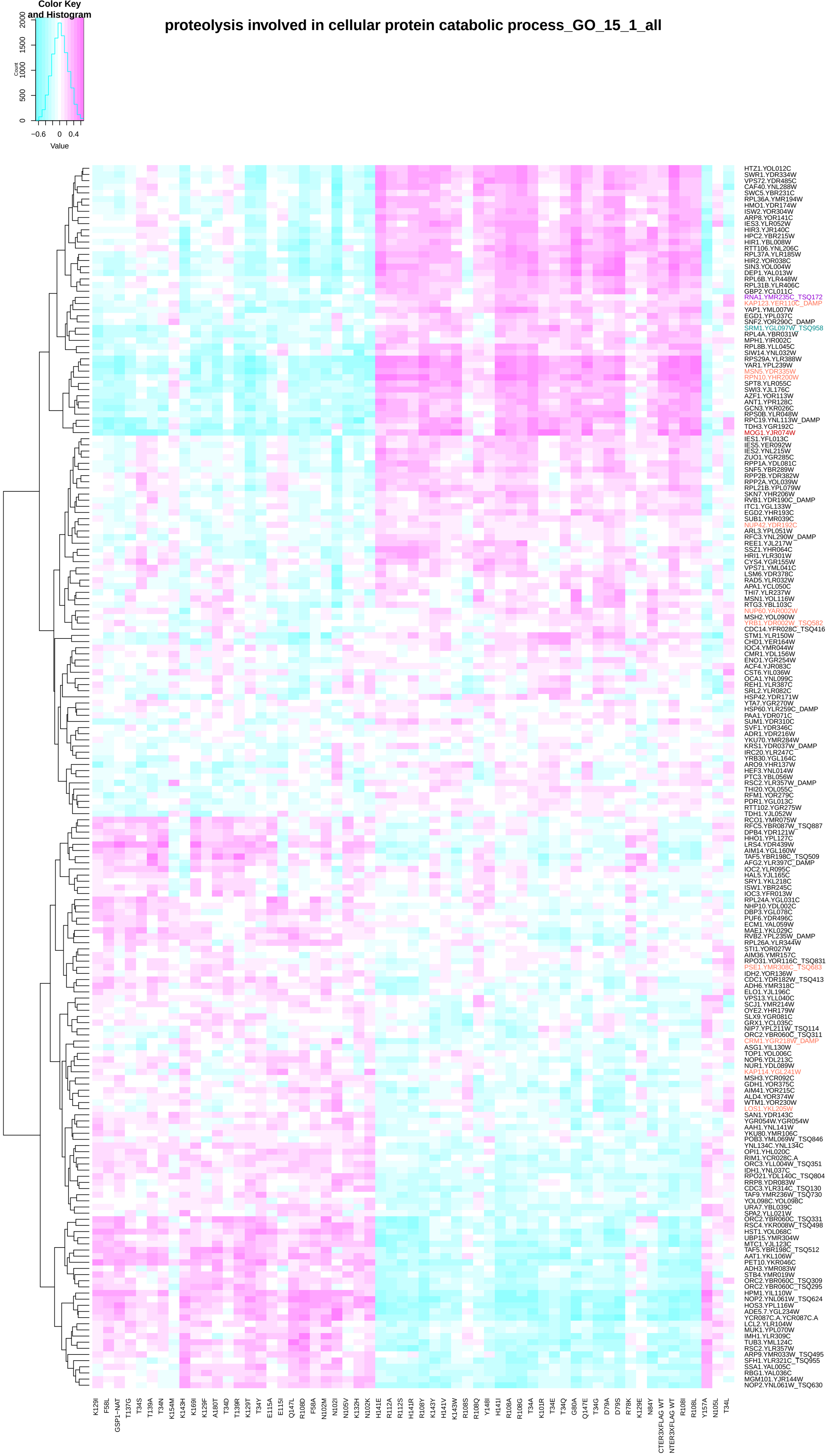
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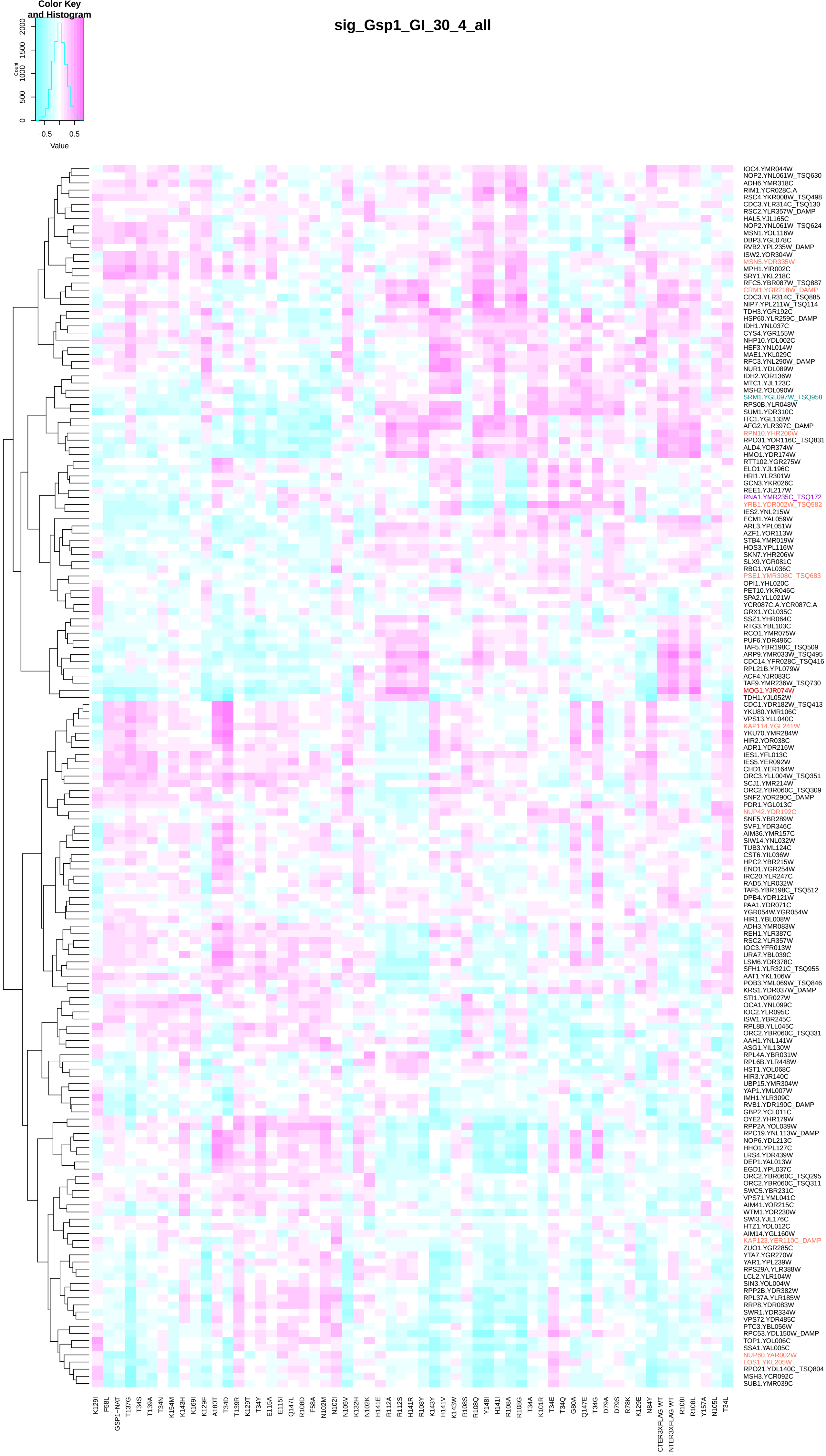
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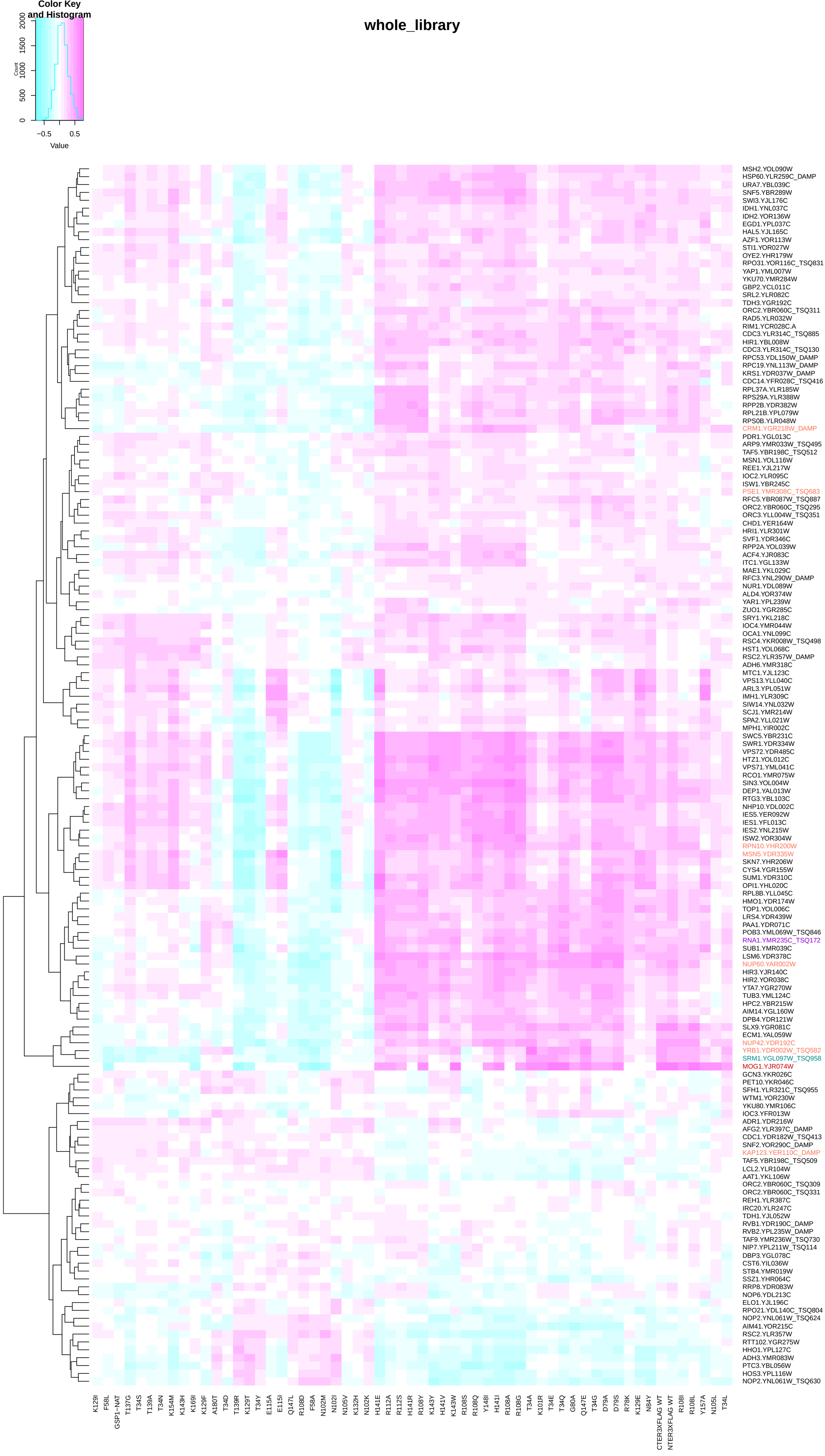
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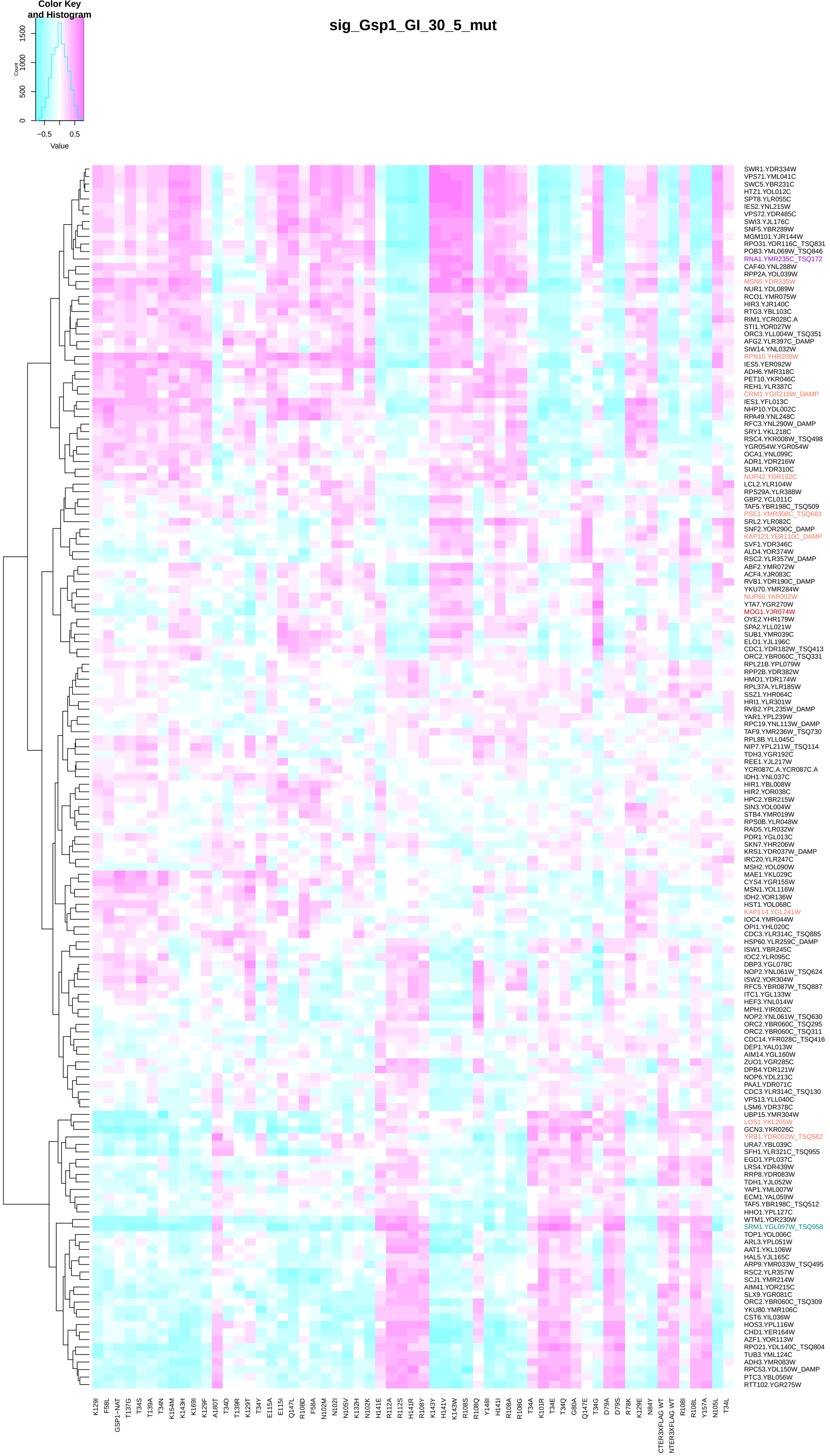
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SWR1.YDR334W
HTB2.YBL002W
RPC19.YNL113W_DAMP
RPO21.YDL140C_DAmP
ORC3.YLL004W_TSQ351
ORC2.YBR060C_TSQ309
TAF5.YBR198C_TSQ512
CDC14.YFR028C_TSQ416
SWC5.YBR231C
SIN3.YOL004W
HTZ1.YOL012C
TUB3.YML124C
YTA7.YGR270W
ARP8.YOR141C
RFC4.YOL094C_DAmP
RFC5.YBR087W_DAmP
VPS72.YDR485C
IES3.YLR052W
IOC2.YLR095C
YNL134C.YNL134C
CHD1.YER164W
HIR3.YJR140C
IOC4.YMR044W
HIR1.YBL008W
ORC2.YBR060C_TSQ311
ARP9.YMR033W_TSQ495
NIP7.YPL211W_TSQ114
EGD2.YHR193C
ACF4.YJR083C
ASG1.YIL130W
NUP60.YAR002W
THI7.YLR237W
DEP1.YAL013W
SRL2.YLR082C
IDH1.YNL037C
HEF3.YNL014W
SPT8.YLR055C
YKU80.YMR106C
IES1.YFL013C
RTG3.YBL103C
RPP1A.YDL081C
ARL3.YPL051W
LSM6.YDR378C
RPC53.YDL150W_DAMP
SRY1.YKL218C
HSP60.YLR259C_DAMP
PSE1.YMR308C_TSQ683
RPP2A.YOL039W
CRM1.YGR218W_DAMP
STI1.YOR027W
NOP2.YNL061W_TSQ624
RPO31.YOR116C_TSQ831
HST1.YOL068C
RFM1.YOR279C
RPL9A.YGL147C
DBP3.YGL078C
RPL26A.YLR344W
LOS1.YKL205W
HRI1.YLR301W
RPL24A.YGL031C
SUM1.YDR310C
ARO9.YHR137W
SNF5.YBR289W
GDH1.YOR375C
SPA2.YLL021W
SSZ1.YHR064C
PTC3.YBL056W
HAL5.YJL165C
TDH3.YGR192C
POB3.YML069W_TSQ846
UBP15.YMR304W
NUR1.YDL089W
RFC3.YNL290W_DAMP
CST6.YIL036W
YOL098C.YOL098C
SVF1.YDR346C
WTM1.YOR230W
KAP114.YGL241W
PDR1.YGL013C
AIM14.YGL160W
YGR054W.YGR054W
MSH3.YCR092C
ADR1.YDR216W
HOS3.YPL116W
KAP123.YER110C_DAMP
YRB1.YDR002W_TSQ582
MUK1.YPL070W
IMH1.YLR309C
REE1.YJL217W
RPO21.YDL140C_TSQ804
IDH2.YOR136W
AIM36.YMR157C
THI20.YOL055C
RFC3.YNL290W_DAmP
ORC2.YBR060C_TSQ295
ORC2.YBR060C_TSQ331
TAF9.YMR236W_TSQ730
YKU70.YMR284W
ECM1.YAL059W
LRS4.YDR439W
CDC3.YLR314C_TSQ130
CDC1.YDR182W_TSQ413
OYE2.YHR179W
AAT1.YKL106W
EGD1.YPL037C
YAP1.YML007W
LCL2.YLR104W
MSN5.YDR335W
RNA1.YMR235C_TSQ172
NOP2.YNL061W_TSQ630
ADE5.7.YGL234W
YRB30.YGL164C
CDC9.YDL164C_DAmP
ISW1.YBR245C
NHP10.YDL002C
RVB1.YDR190C_DAMP
RFC5.YBR087W_TSQ887
RSC4.YKR008W_TSQ498
IES2.YNL215W
IES5.YER092W
RTT102.YGR275W
ADH6.YMR318C
SNF2.YOR290C_DAMP
ZUO1.YGR285C
RSC2.YLR357W_DAMP
SCJ1.YMR214W
RSC2.YLR357W
MGM101.YJR144W
NUP42.YDR192C
RPA190.YOR341W_DAmP
ANT1.YPR128C
HSP42.YDR171W
ELO1.YJL196C
SFH1.YLR321C_TSQ955
SSA1.YAL005C
MAE1.YKL029C
TAF5.YBR198C_TSQ509
AFG2.YLR397C_DAMP
AIM41.YOR215C
YCR087C.A.YCR087C.A
ALD4.YOR374W
TOP1.YOL006C
RPL36A.YMR194W
RPP2B.YDR382W
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RPL6B.YLR448W
RPL31B.YLR406C
RPL37A.YLR185W
PUF6.YDR496C
MOG1.YJR074W
ENO1.YGR254W
RIM1.YCR028C.A
HMO1.YDR174W
RPS0B.YLR048W
ISW2.YOR304W
RRP8.YDR083W
TAF5.YBR198C_DAmP
RPN10.YHR200W
SRM1.YGL097W_TSQ958
CDC3.YLR314C_TSQ885
CYS4.YGR155W
HIR2.YOR038C
RPL29.YFR032C.A
RPS29A.YLR388W
ITC1.YGL133W
SKN7.YHR206W
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DPB4.YDR121W
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RAD5.YLR032W
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IOC3.YFR013W
REH1.YLR387C
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SLX9.YGR081C
OCA1.YNL099C
PAA1.YDR071C
GRX1.YCL035C
APA1.YCL050C
GCN3.YKR026C
IRC20.YLR247C
MTC1.YJL123C
MPH1.YIR002C
GBP2.YCL011C
RBG1.YAL036C
SAN1.YDR143C
SUB1.YMR039C
AAH1.YNL141W
AZF1.YOR113W
ADH3.YMR083W
TDH1.YJL052W
CMR1.YDL156W
SWI3.YJL176C
RVB2.YPL235W_DAMP
KRS1.YDR037W_DAMP
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RPL4A.YBR031W
STB4.YMR019W
SIW14.YNL032W
OPI1.YHL020C
YAR1.YPL239W
NOP6.YDL213C
MSH2.YOL090W
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F58L
GSP1−NAT
T137G
T34S
T139A
T34N
K154M
K143H
K169I
K129F
A180T
T34D
T139R
K129T
T34Y
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E115I
Q147L
R108D
F58A
N102M
N102I
N105V
K132H
N102K
H141E
R112A
R112S
H141R
R108Y
K143Y
H141V
K143W
R108S
R108Q
Y148I
H141I
R108A
R108G
T34A
K101R
T34E
T34Q
G80A
Q147E
T34G
D79A
D79S
R78K
K129E
N84Y
CTER3XFLAG WT
NTER3XFLAG WT
R108I
R108L
Y157A
N105L
T34L

Color Key
and Histogram
Count
0
500
1500
2500
−0.5
0.5
Value
chromosome segregation
SIN3.YOL004W
MSN1.YOL116W
RPN10.YHR200W
ISW2.YOR304W
RFC5.YBR087W_DAmP
ARP8.YOR141C
RPS0B.YLR048W
RPC31.YNL151C_DAmP
HMO1.YDR174W
YTA7.YGR270W
ENO1.YGR254W
CHD1.YER164W
RAD5.YLR032W
OCA1.YNL099C
LSM6.YDR378C
RFC5.YBR087W_TSQ887
PET10.YKR046C
IOC3.YFR013W
SKN7.YHR206W
YOL098C.YOL098C
GRX1.YCL035C
VPS72.YDR485C
TUB3.YML124C
HTZ1.YOL012C
SWC5.YBR231C
RPC40.YPR110C_DAmP
YNL134C.YNL134C
SWR1.YDR334W
VPS71.YML041C
RCO1.YMR075W
IOC2.YLR095C
NUP60.YAR002W
ORC2.YBR060C_TSQ311
RPP1A.YDL081C
HPM1.YIL110W
CDC14.YFR028C_TSQ416
URA7.YBL039C
PSE1.YMR308C_TSQ683
HSP60.YLR259C_DAMP
HIR2.YOR038C
RPC19.YNL113W_DAMP
REB1.YBR049C_DAmP
CDC3.YLR314C_TSQ885
RPL6B.YLR448W
RPL37A.YLR185W
LOS1.YKL205W
RRP8.YDR083W
AIM14.YGL160W
IES2.YNL215W
TAF5.YBR198C_TSQ512
KAP114.YGL241W
CST6.YIL036W
SRM1.YGL097W_TSQ958
SLX9.YGR081C
TAF9.YMR236W_DAmP
RPL29.YFR032C.A
ITC1.YGL133W
RPL9A.YGL147C
IES1.YFL013C
RTG3.YBL103C
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RIM1.YCR028C.A
TAF5.YBR198C_DAmP
MOG1.YJR074W
ORC2.YBR060C_TSQ309
ORC3.YLL004W_TSQ351
ORC2.YBR060C_TSQ295
ORC2.YBR060C_TSQ331
RFC4.YOL094C_DAmP
HPC2.YBR215W
HIR3.YJR140C
HIR1.YBL008W
IES3.YLR052W
SRY1.YKL218C
RPO21.YDL140C_DAmP
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ABF1.YKL112W_DAmP
CDC9.YDL164C_DAmP
HRI1.YLR301W
ARP9.YMR033W_TSQ495
POB3.YML069W_DAmP
TOP1.YOL006C
ADH3.YMR083W
MSH2.YOL090W
CDC1.YDR182W_TSQ413
THI20.YOL055C
ISW1.YBR245C
RSC8.YFR037C_DAmP
RVB1.YDR190C_DAmP
RSC4.YKR008W_TSQ498
IOC4.YMR044W
REE1.YJL217W
SSA1.YAL005C
SNF5.YBR289W
HAL5.YJL165C
SIW14.YNL032W
POB3.YML069W_TSQ846
ALD4.YOR374W
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RFC3.YNL290W_DAMP
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HTB2.YBL002W
APA1.YCL050C
RPC25.YKL144C_DAmP
TAF14.YPL129W_DAmP
HHO1.YPL127C
SNF2.YOR290C_DAMP
RBG1.YAL036C
LRS4.YDR439W
PAA1.YDR071C
RPL21B.YPL079W
DPB4.YDR121W
YKU80.YMR106C
SUB1.YMR039C
DEP1.YAL013W
RPL8B.YLL045C
RPL31B.YLR406C
AAH1.YNL141W
MSH3.YCR092C
RSC58.YLR033W_DAmP
YAP1.YML007W
SCJ1.YMR214W
AIM36.YMR157C
RVB2.YPL235W_DAMP
SWI3.YJL176C
PDR1.YGL013C
RSC2.YLR357W_DAMP
MTC1.YJL123C
RFC3.YNL290W_DAmP
CDC3.YLR314C_TSQ130
RPL24A.YGL031C
THI7.YLR237W
RSC2.YLR357W
VPS13.YLL040C
TDH3.YGR192C
RPL4A.YBR031W
PTC3.YBL056W
MSN5.YDR335W
EGD1.YPL037C
GBP2.YCL011C
KAP123.YER110C_DAMP
ADH6.YMR318C
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AFG2.YLR397C_DAMP
TAF5.YBR198C_TSQ509
ADR1.YDR216W
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RVB1.YDR190C_DAMP
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KRS1.YDR037W_DAMP
SPT8.YLR055C
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LCL2.YLR104W
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IDH1.YNL037C
SSZ1.YHR064C
RPA190.YOR341W_DAmP
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MAE1.YKL029C
ELO1.YJL196C
IMH1.YLR309C
HST1.YOL068C
EGD2.YHR193C
STI1.YOR027W
CRM1.YGR218W_DAMP
NIP7.YPL211W_TSQ114
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MPH1.YIR002C
HEF3.YNL014W
AZF1.YOR113W
RPC34.YNR003C_DAmP
NHP10.YDL002C
IES5.YER092W
RPO26.YPR187W_DAmP
HOS3.YPL116W
CAF40.YNL288W
ACF4.YJR083C
PUF6.YDR496C
RPL36A.YMR194W
SUM1.YDR310C
RFM1.YOR279C
SRL2.YLR082C
STM1.YLR150W
STB4.YMR019W
REH1.YLR387C
RNA1.YMR235C_TSQ172
OYE2.YHR179W
TDH1.YJL052W
CYS4.YGR155W
SVF1.YDR346C
SAN1.YDR143C
ASG1.YIL130W
ARL3.YPL051W
TAF9.YMR236W_TSQ730
IRC20.YLR247C
ARO9.YHR137W
SPA2.YLL021W
RPP2A.YOL039W
RPS29A.YLR388W
DBP3.YGL078C
NOP2.YNL061W_TSQ624
UBP15.YMR304W
AAT1.YKL106W
GDH1.YOR375C
OPI1.YHL020C
NOP2.YNL061W_TSQ630
HSP42.YDR171W
YAR1.YPL239W
AIM41.YOR215C
K129I
F58L
GSP1−NAT
T137G
T34S
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T34N
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K143H
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K129F
A180T
T34D
T139R
K129T
T34Y
E115A
E115I
Q147L
R108D
F58A
N102M
N102I
N105V
K132H
N102K
H141E
R112A
R112S
H141R
R108Y
K143Y
H141V
K143W
R108S
R108Q
Y148I
H141I
R108A
R108G
T34A
K101R
T34E
T34Q
G80A
Q147E
T34G
D79A
D79S
R78K
K129E
N84Y
CTER3XFLAG WT
NTER3XFLAG WT
R108I
R108L
Y157A
N105L
T34L

Color Key
and Histogram
Count
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500
1000
1500
2000
−0.5
0.5
Value
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AFG2.YLR397C_DAMP
MGM101.YJR144W
SFH1.YLR321C_TSQ955
MAE1.YKL029C
YAP1.YML007W
KAP123.YER110C_DAMP
MUK1.YPL070W
RSC9.YML127W_DAmP
SSZ1.YHR064C
ANT1.YPR128C
ALD4.YOR374W
ADE5.7.YGL234W
SWI3.YJL176C
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TAF5.YBR198C_TSQ509
NOP2.YNL061W_TSQ630
RTT102.YGR275W
RSC8.YFR037C_DAmP
ELO1.YJL196C
RPP2A.YOL039W
ADH6.YMR318C
HSP42.YDR171W
IMH1.YLR309C
NUR1.YDL089W
YAR1.YPL239W
AIM41.YOR215C
WTM1.YOR230W
ADR1.YDR216W
GDH1.YOR375C
UBP15.YMR304W
CMR1.YDL156W
EGD2.YHR193C
NOP6.YDL213C
RVB1.YDR190C_DAmP
HST1.YOL068C
RVB1.YDR190C_DAMP
NIP7.YPL211W_TSQ114
RPS29A.YLR388W
LCL2.YLR104W
ARO9.YHR137W
YRB1.YDR002W_TSQ582
ISW1.YBR245C
IES5.YER092W
AAT1.YKL106W
STI1.YOR027W
GCN3.YKR026C
RPL26A.YLR344W
IRC20.YLR247C
RSC2.YLR357W
RSC4.YKR008W_TSQ498
DBP3.YGL078C
OPI1.YHL020C
AZF1.YOR113W
CAF40.YNL288W
EGD1.YPL037C
RBG1.YAL036C
SNF2.YOR290C_DAMP
GBP2.YCL011C
SNF5.YBR289W
MSN5.YDR335W
SSA1.YAL005C
PTC3.YBL056W
SIW14.YNL032W
RTT106.YNL206C
HRI1.YLR301W
ZUO1.YGR285C
SAN1.YDR143C
HAL5.YJL165C
YGR054W.YGR054W
LRS4.YDR439W
MTC1.YJL123C
TDH1.YJL052W
MSH3.YCR092C
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RPL4A.YBR031W
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RAD5.YLR032W
SKN7.YHR206W
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OCA1.YNL099C
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PAA1.YDR071C
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GRX1.YCL035C
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HEF3.YNL014W
ARL3.YPL051W
RFC3.YNL290W_DAMP
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CDC3.YLR314C_TSQ130
PSE1.YMR308C_TSQ683
RVB2.YPL235W_DAMP
RPA190.YOR341W_DAmP
YRB30.YGL164C
SPA2.YLL021W
MPH1.YIR002C
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IDH2.YOR136W
KRS1.YDR037W_DAMP
CDC9.YDL164C_DAmP
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ARP9.YMR033W_TSQ495
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AIM36.YMR157C
IDH1.YNL037C
TAF9.YMR236W_TSQ730
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RRP8.YDR083W
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NOP2.YNL061W_TSQ624
LOS1.YKL205W
CRM1.YGR218W_DAMP
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HOS3.YPL116W
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PUF6.YDR496C
AAH1.YNL141W
ECM1.YAL059W
SCJ1.YMR214W
RPL9A.YGL147C
SRY1.YKL218C
TOP1.YOL006C
ABF1.YKL112W_DAmP
APA1.YCL050C
RSC2.YLR357W_DAMP
SVF1.YDR346C
SLX9.YGR081C
RTG3.YBL103C
IOC4.YMR044W
STM1.YLR150W
CST6.YIL036W
RCO1.YMR075W
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RPL37A.YLR185W
RPL36A.YMR194W
HIR2.YOR038C
HPC2.YBR215W
HIR3.YJR140C
RFC4.YOL094C_DAmP
ORC2.YBR060C_TSQ295
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ORC3.YLL004W_TSQ351
URA7.YBL039C
TAF5.YBR198C_TSQ512
RFM1.YOR279C
ORC2.YBR060C_TSQ311
ORC2.YBR060C_TSQ309
CDC14.YFR028C_TSQ416
CDC3.YLR314C_TSQ885
RPC19.YNL113W_DAMP
IOC2.YLR095C
SUM1.YDR310C
HSP60.YLR259C_DAMP
HIR1.YBL008W
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SRL2.YLR082C
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NUP60.YAR002W
ARP8.YOR141C
HMO1.YDR174W
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CHD1.YER164W
RFC5.YBR087W_DAmP
DPB4.YDR121W
RPL21B.YPL079W
YKU80.YMR106C
SIN3.YOL004W
RPN10.YHR200W
ISW2.YOR304W
ENO1.YGR254W
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RPC31.YNL151C_DAmP
NHP10.YDL002C
IES3.YLR052W
ACF4.YJR083C
SPT8.YLR055C
SWR1.YDR334W
IES2.YNL215W
IES1.YFL013C
KAP114.YGL241W
TUB3.YML124C
SWC5.YBR231C
VPS72.YDR485C
VPS71.YML041C
HTZ1.YOL012C
TAF5.YBR198C_DAmP
YTA7.YGR270W
SRM1.YGL097W_TSQ958
K129I
F58L
GSP1−NAT
T137G
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K129F
A180T
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E115I
Q147L
R108D
F58A
N102M
N102I
N105V
K132H
N102K
H141E
R112A
R112S
H141R
R108Y
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H141V
K143W
R108S
R108Q
Y148I
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R108A
R108G
T34A
K101R
T34E
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Q147E
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D79S
R78K
K129E
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CTER3XFLAG WT
NTER3XFLAG WT
R108I
R108L
Y157A
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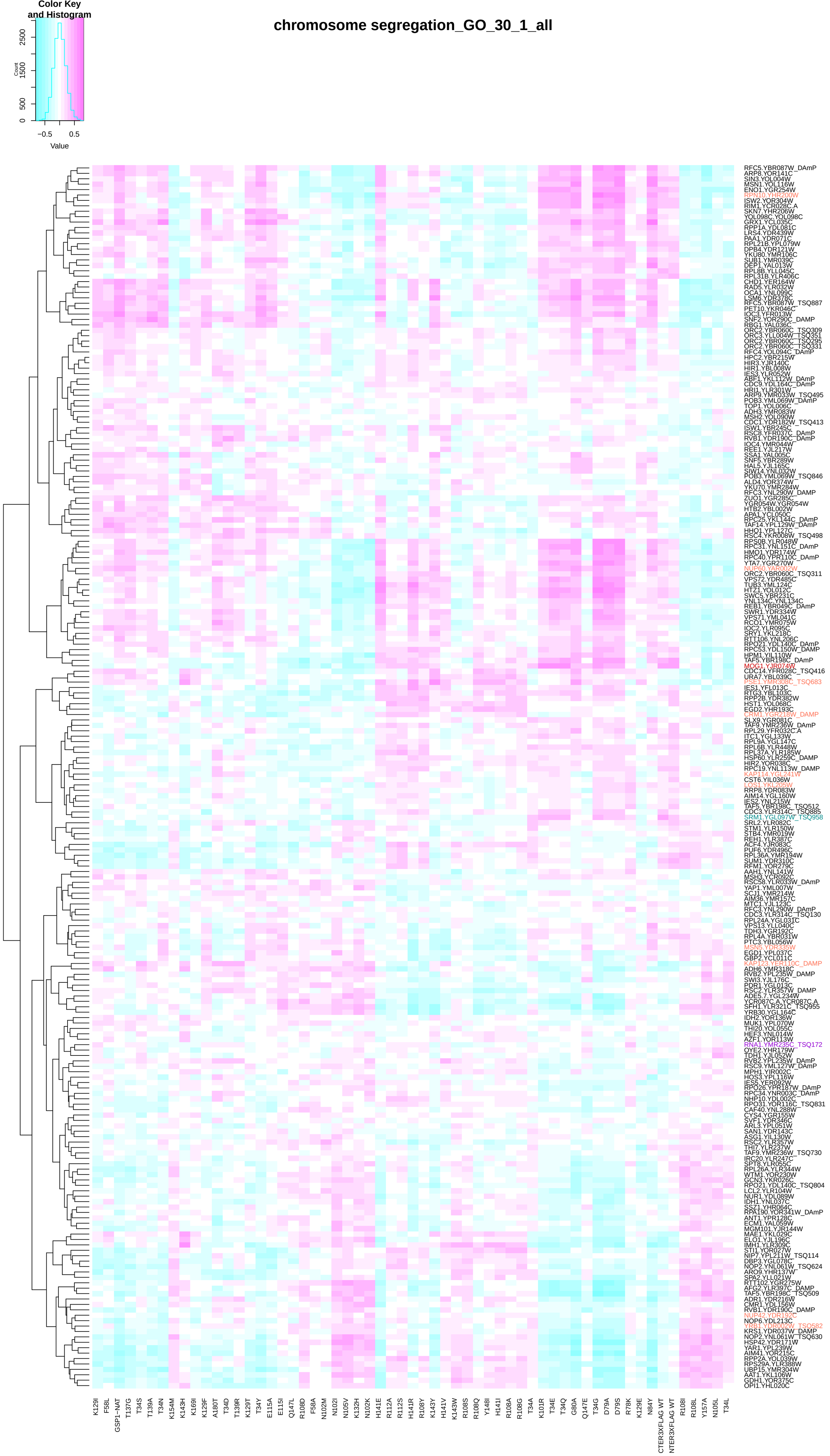
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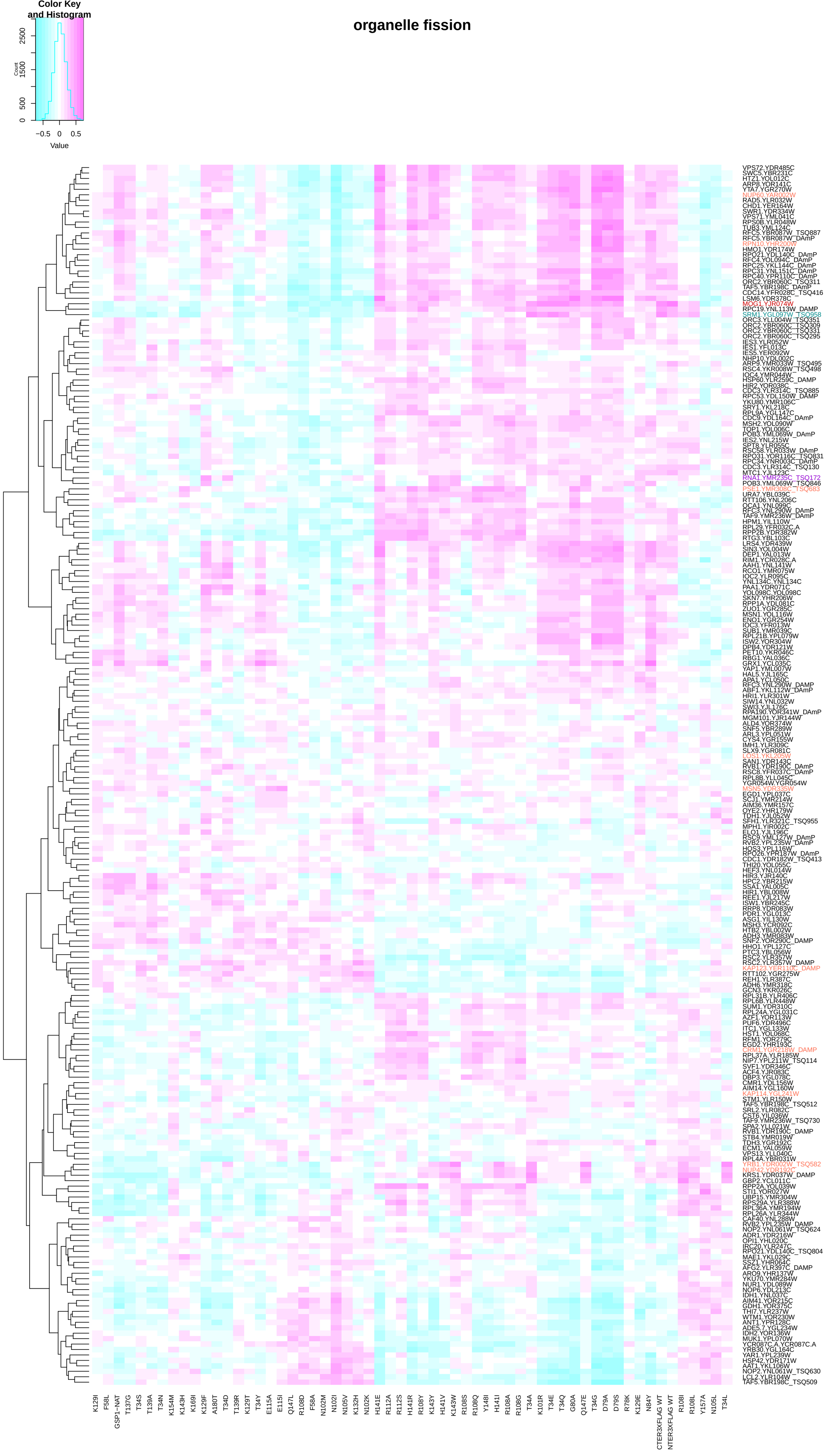
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CHD1.YER164W
SWR1.YDR334W
VPS71.YML041C
RPS0B.YLR048W
TUB3.YML124C
RFC5.YBR087W_TSQ887
RFC5.YBR087W_DAmP
RPN10.YHR200W
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TAF5.YBR198C_DAmP
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NHP10.YDL002C
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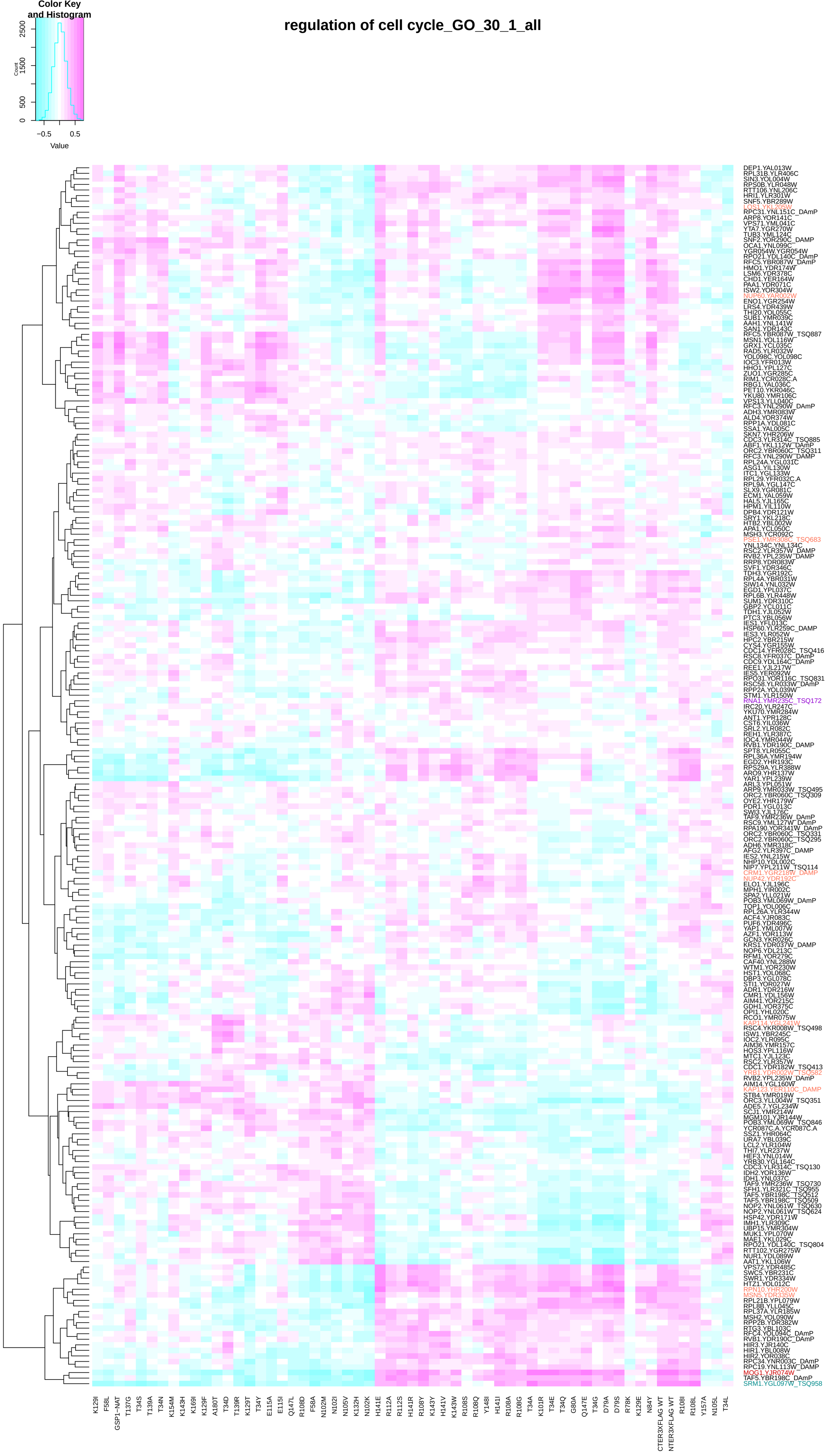
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Color Key
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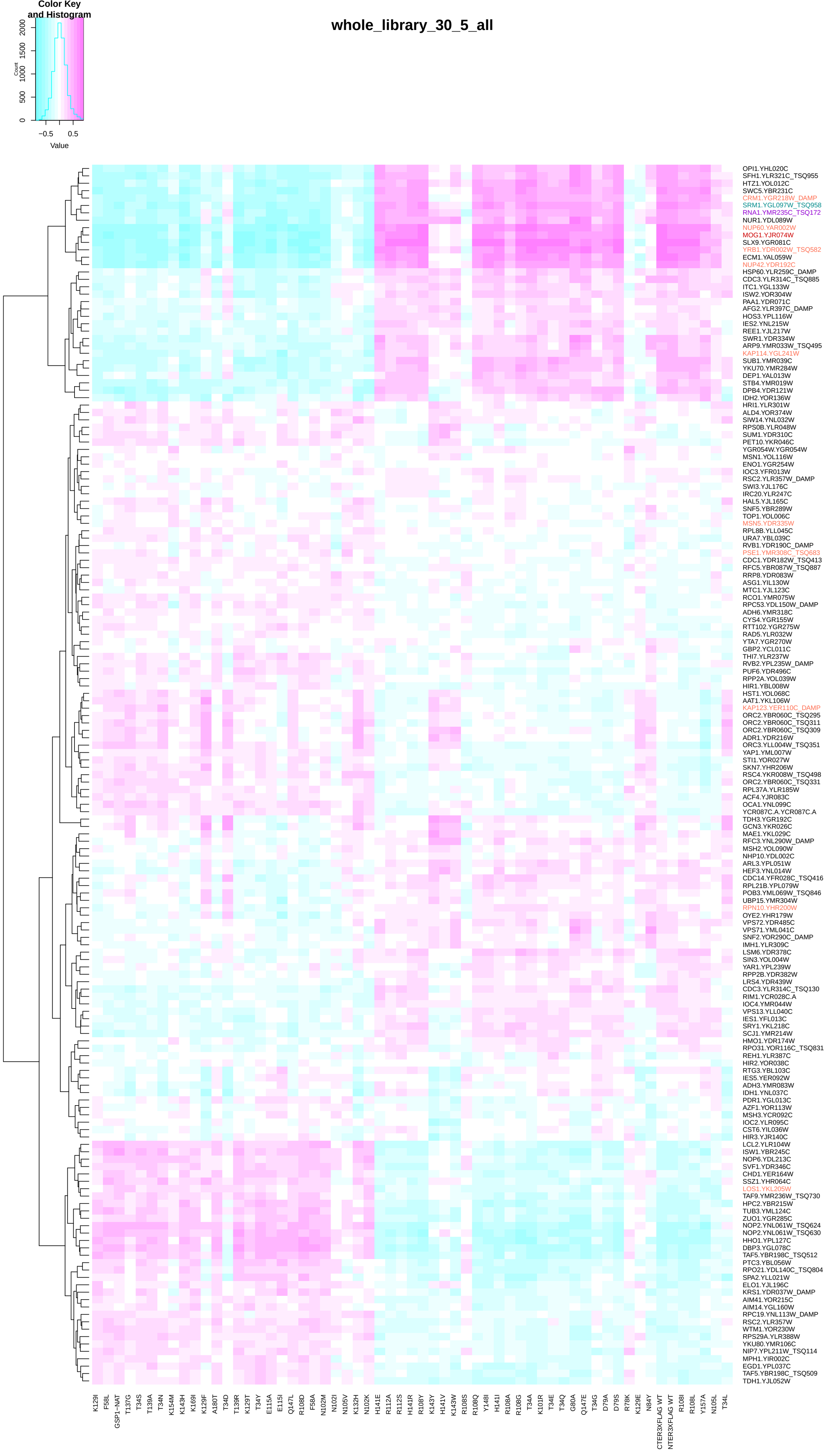
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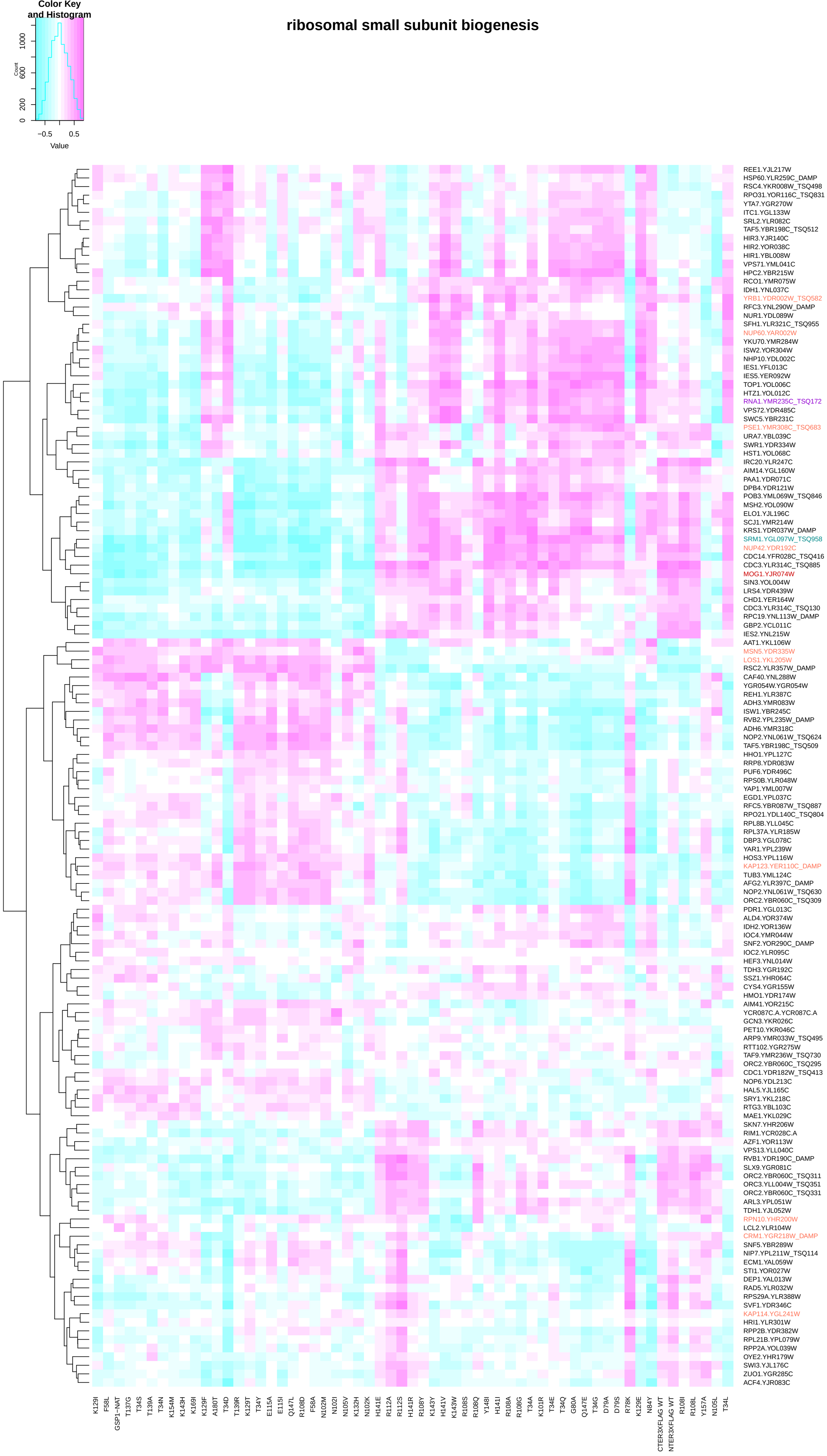
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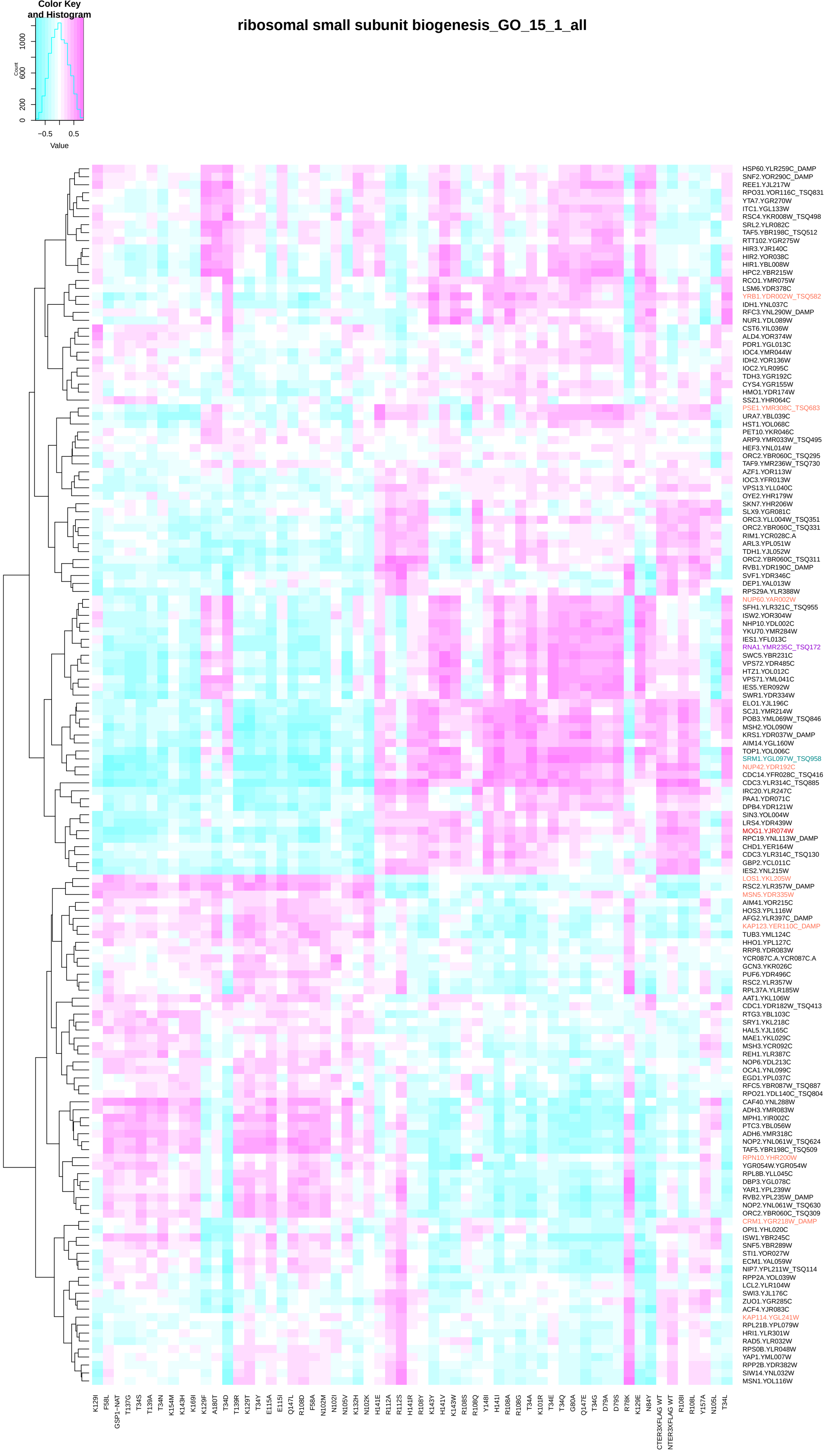
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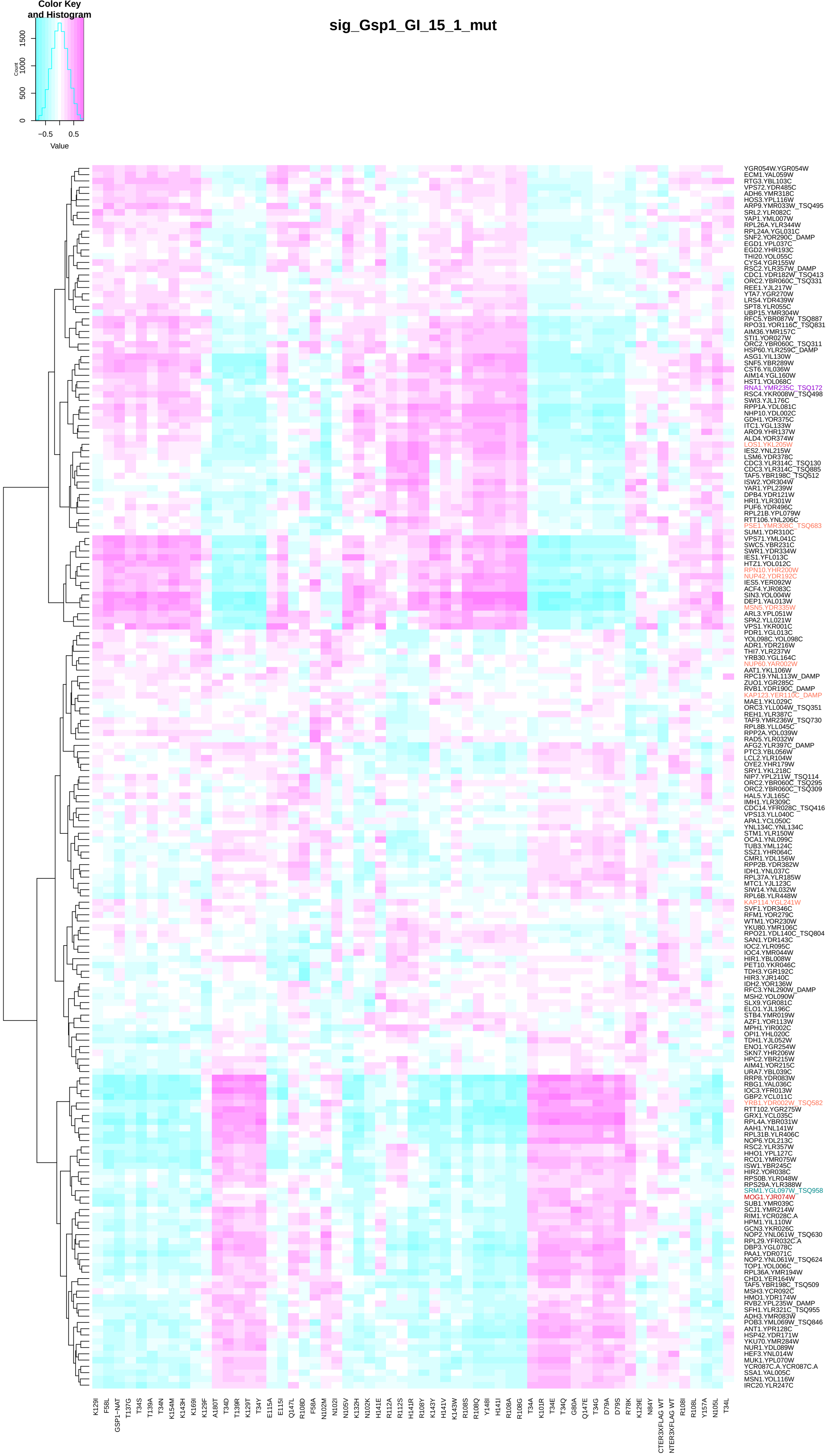
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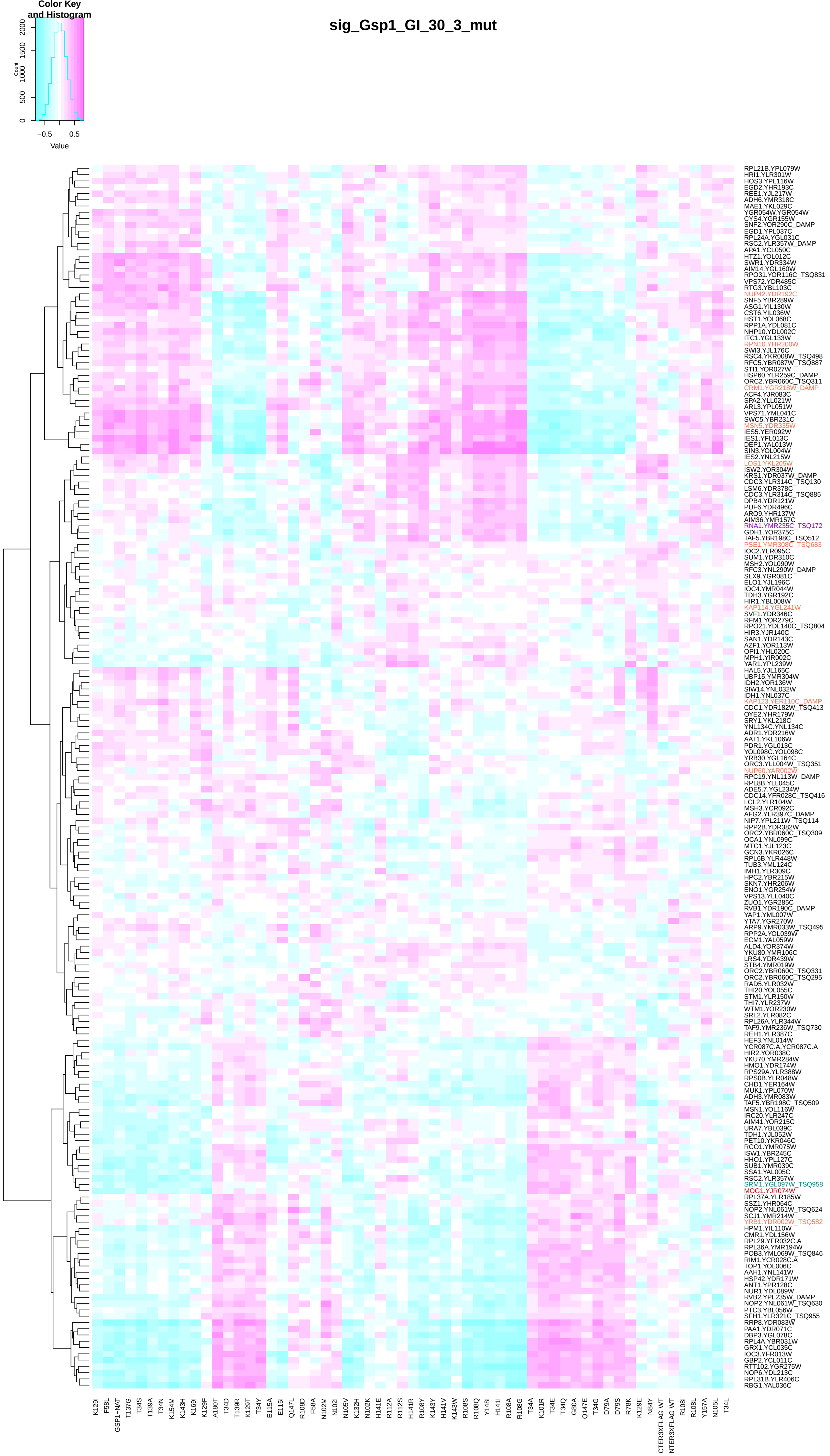
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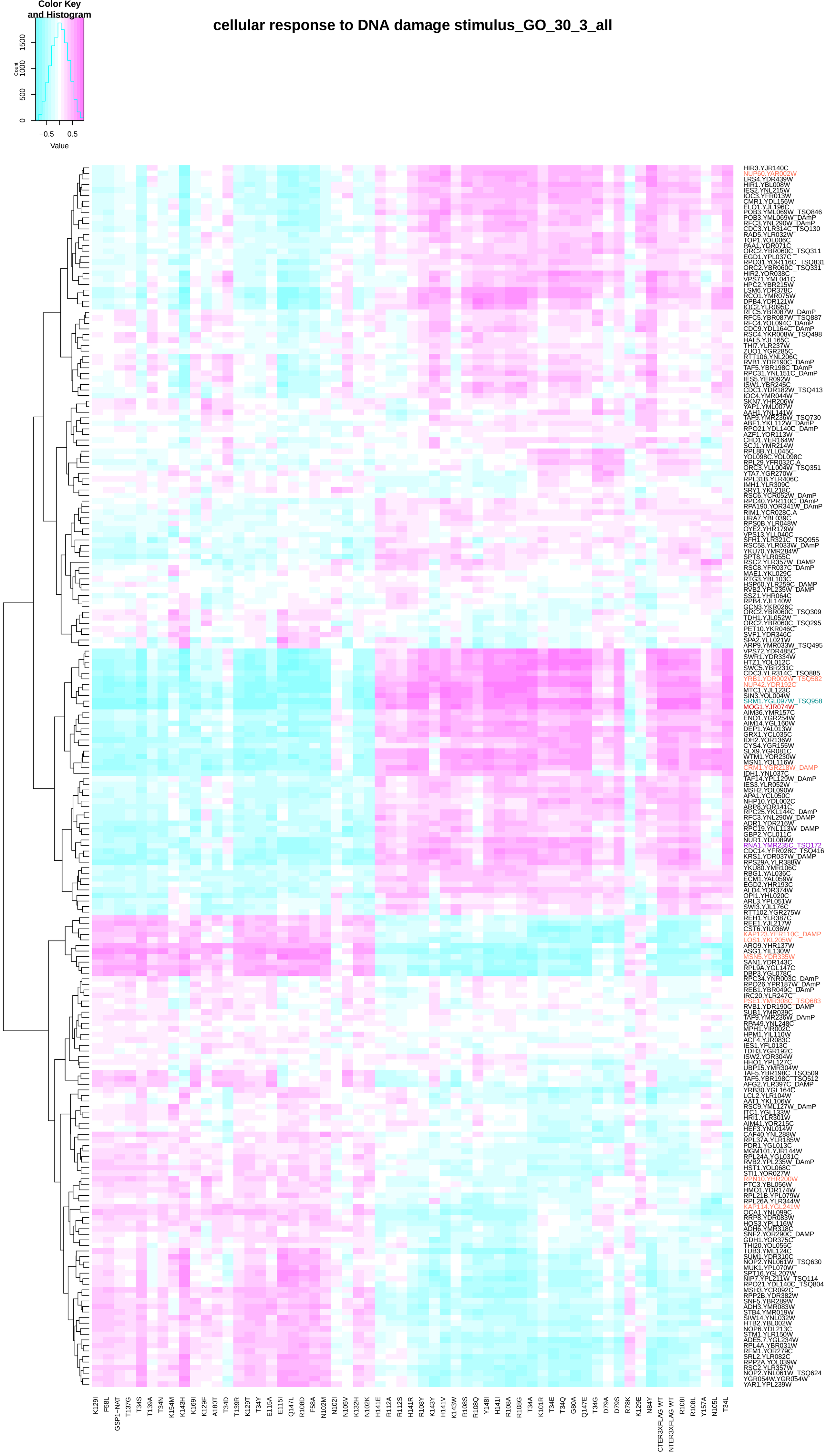
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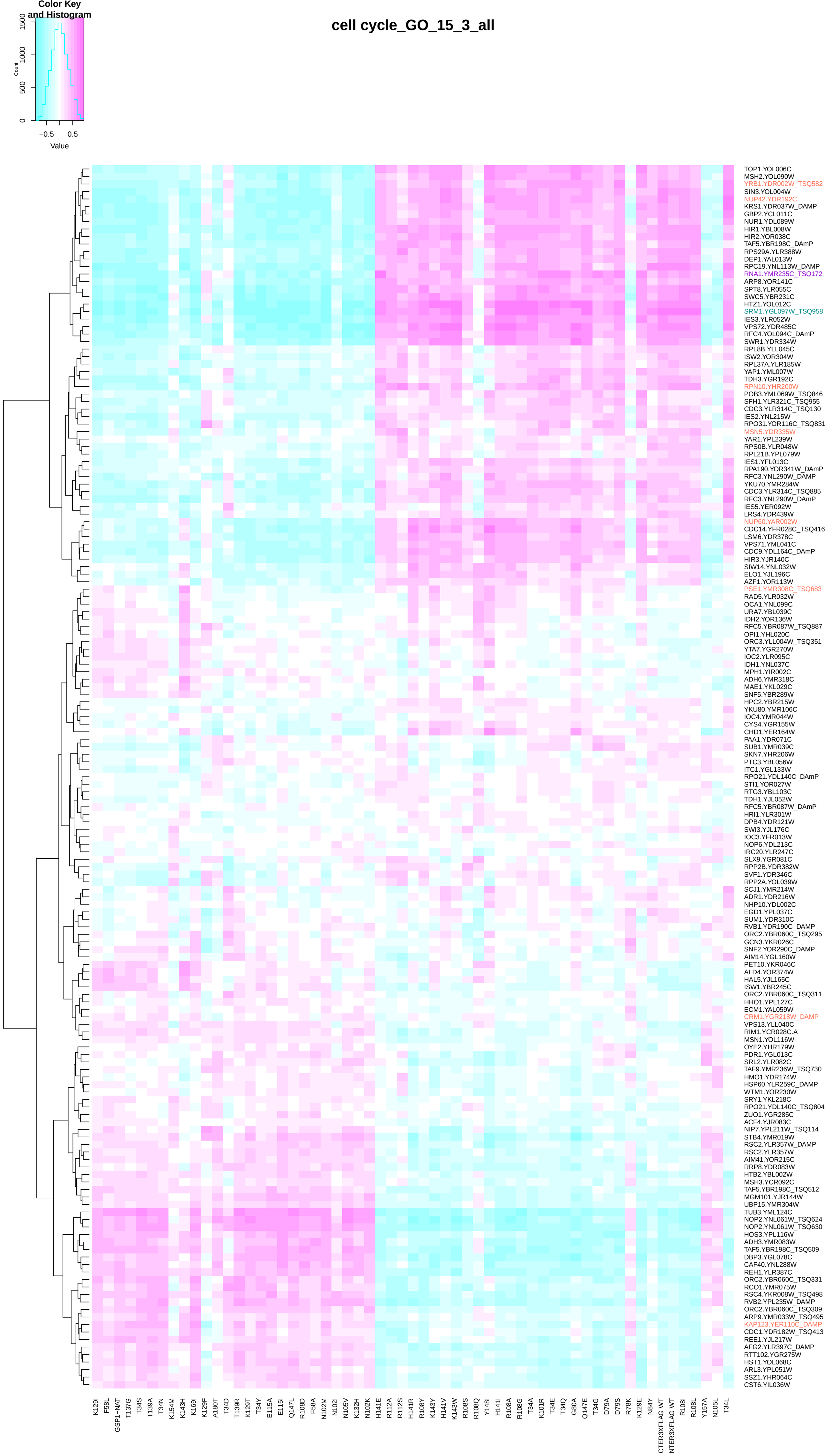
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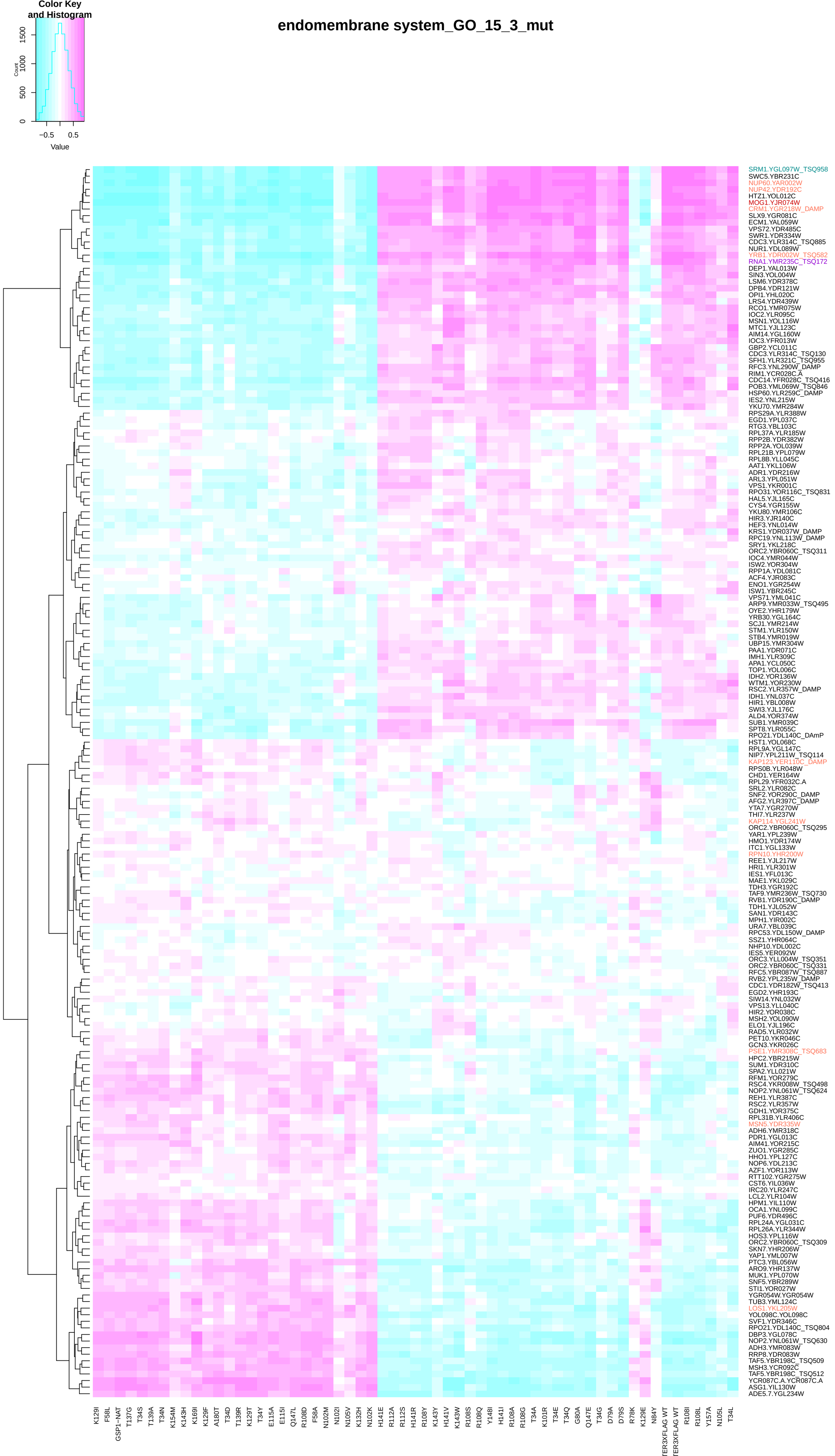
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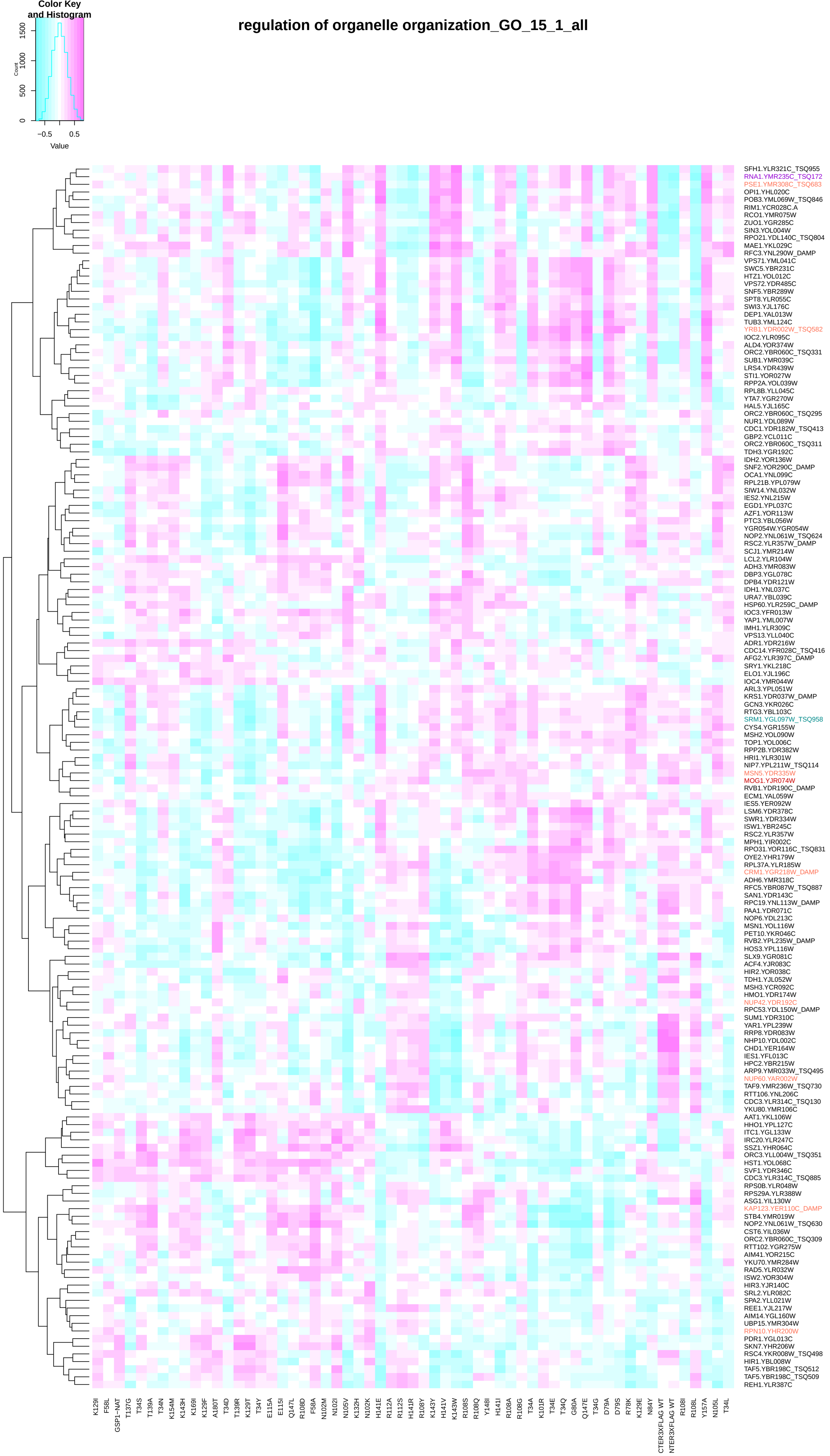
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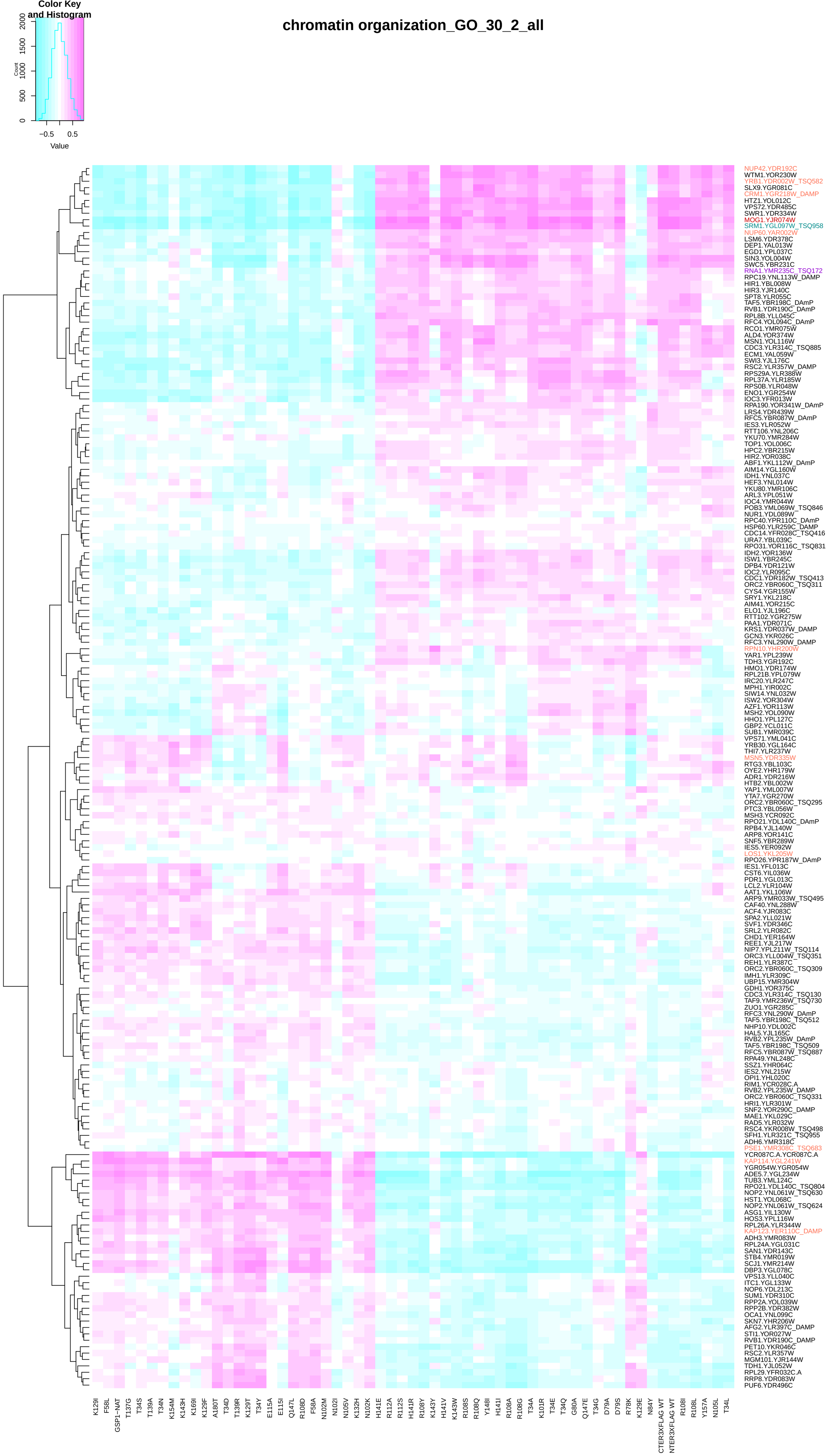
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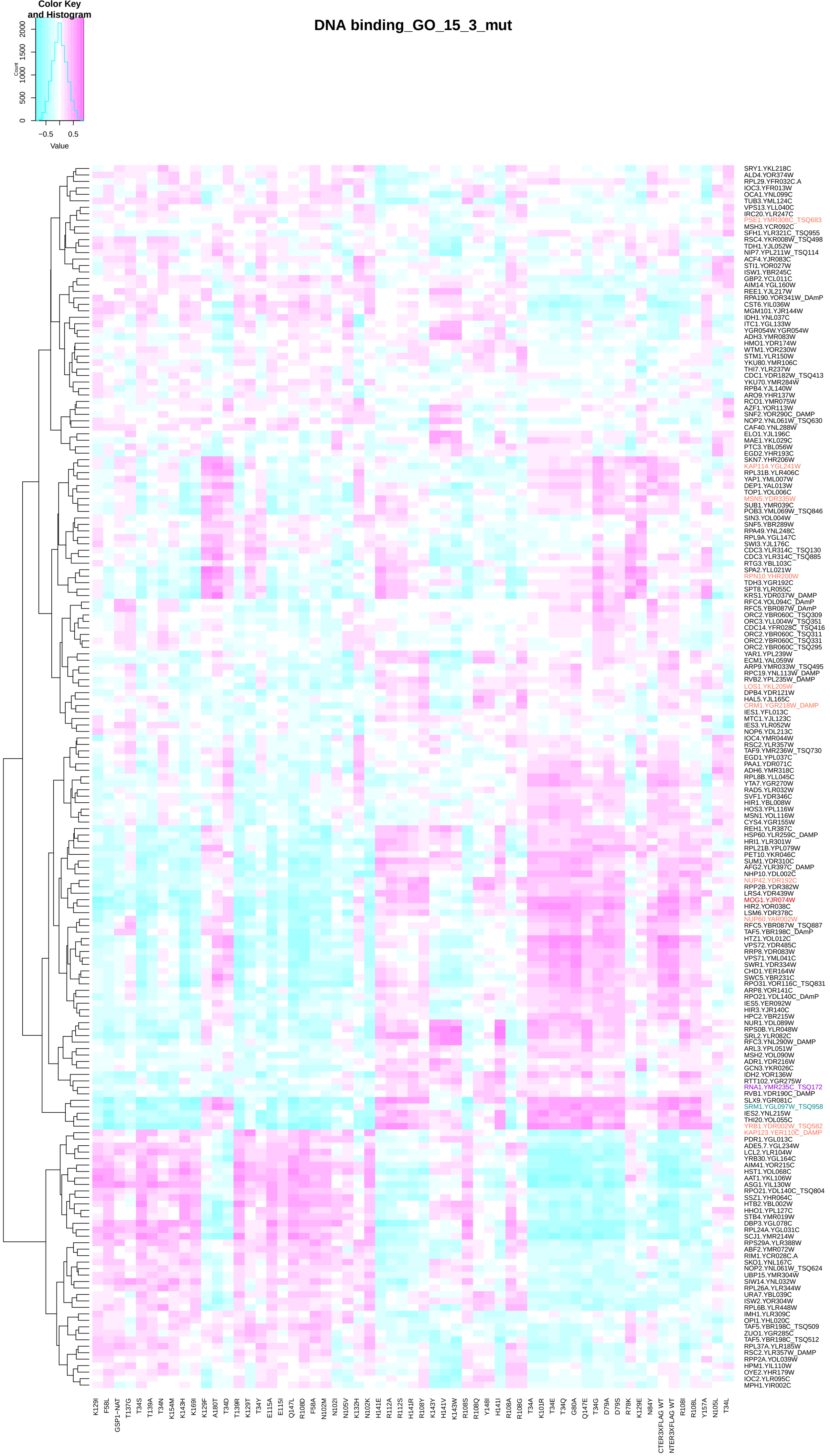
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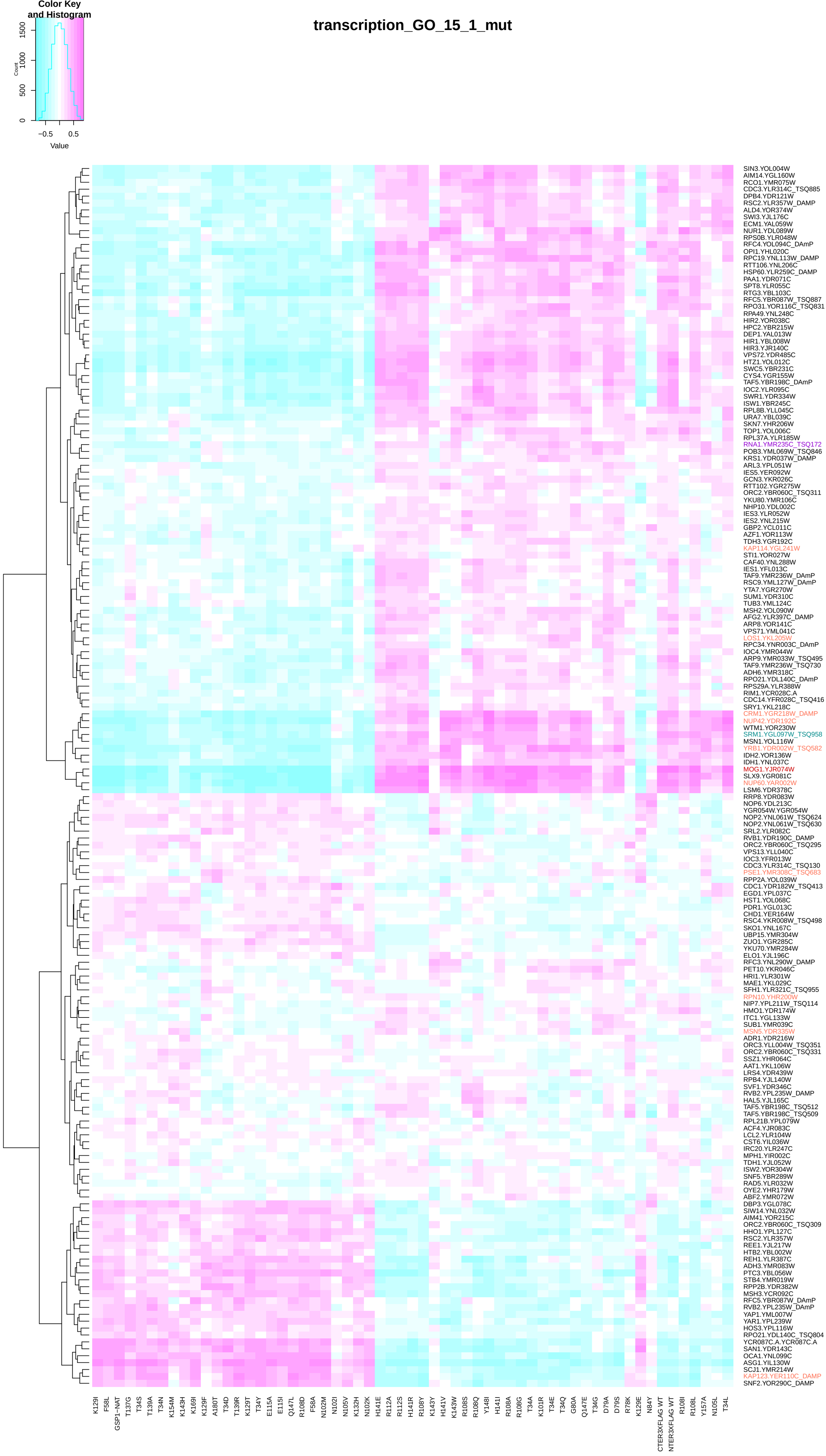
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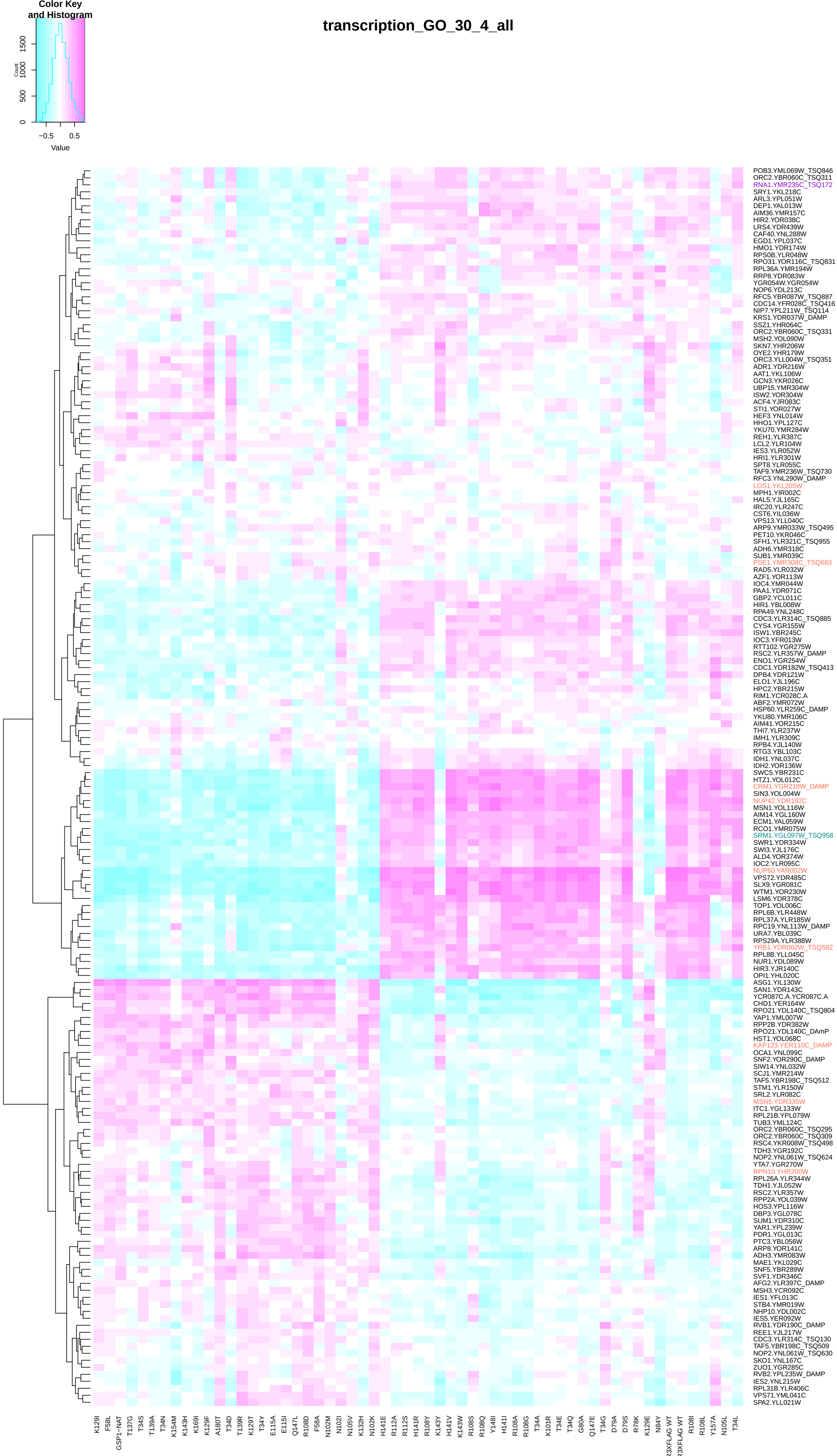
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URA7.YBL039C
VPS71.YML041C
RFC3.YNL290W_DAMP
THI7.YLR237W
KRS1.YDR037W_DAMP
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RPS0B.YLR048W
RCO1.YMR075W
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IOC3.YFR013W
MTC1.YJL123C
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RPL37A.YLR185W
RPS29A.YLR388W
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HIR2.YOR038C
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LRS4.YDR439W
HIR1.YBL008W
TOP1.YOL006C
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OPI1.YHL020C
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DPB4.YDR121W
HTZ1.YOL012C
SWC5.YBR231C
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NUP42.YDR192C
YRB1.YDR002W_TSQ582
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CDC3.YLR314C_TSQ885
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DEP1.YAL013W
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SNF2.YOR290C_DAMP
AZF1.YOR113W
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STI1.YOR027W
REE1.YJL217W
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PET10.YKR046C
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Color Key
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RNA1.YMR235C_TSQ172
LSM6.YDR378C
DEP1.YAL013W
ANT1.YPR128C
NUP42.YDR192C
CDC3.YLR314C_TSQ885
SIN3.YOL004W
SRM1.YGL097W_TSQ958
HTZ1.YOL012C
NUP60.YAR002W
SWC5.YBR231C
MOG1.YJR074W
OPI1.YHL020C
NUR1.YDL089W
HSP60.YLR259C_DAMP
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LRS4.YDR439W
HIR1.YBL008W
CRM1.YGR218W_DAMP
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ECM1.YAL059W
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GBP2.YCL011C
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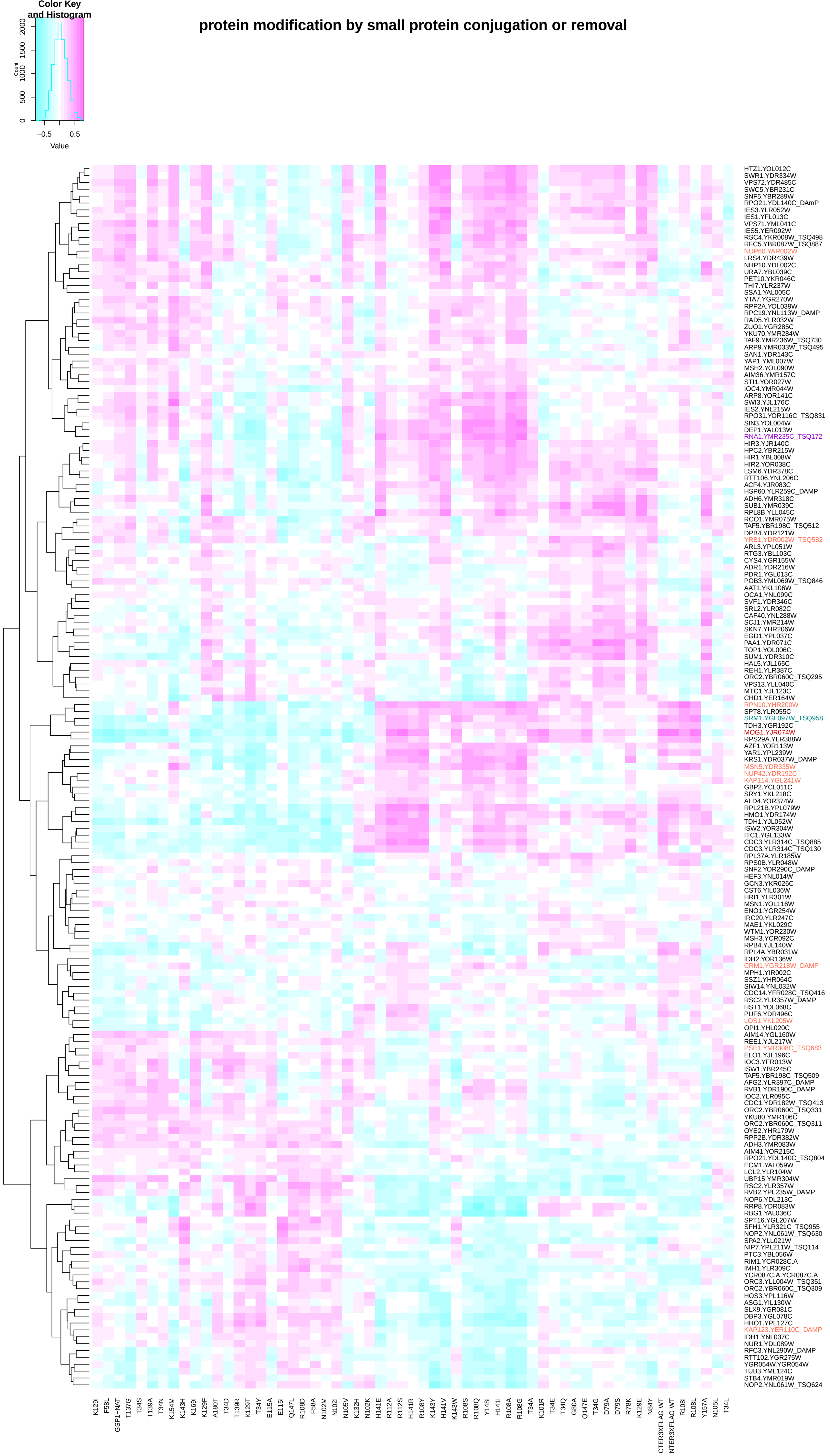
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LRS4.YDR439W
NHP10.YDL002C
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RPC19.YNL113W_DAMP
RAD5.YLR032W
ZUO1.YGR285C
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TAF9.YMR236W_TSQ730
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MSH2.YOL090W
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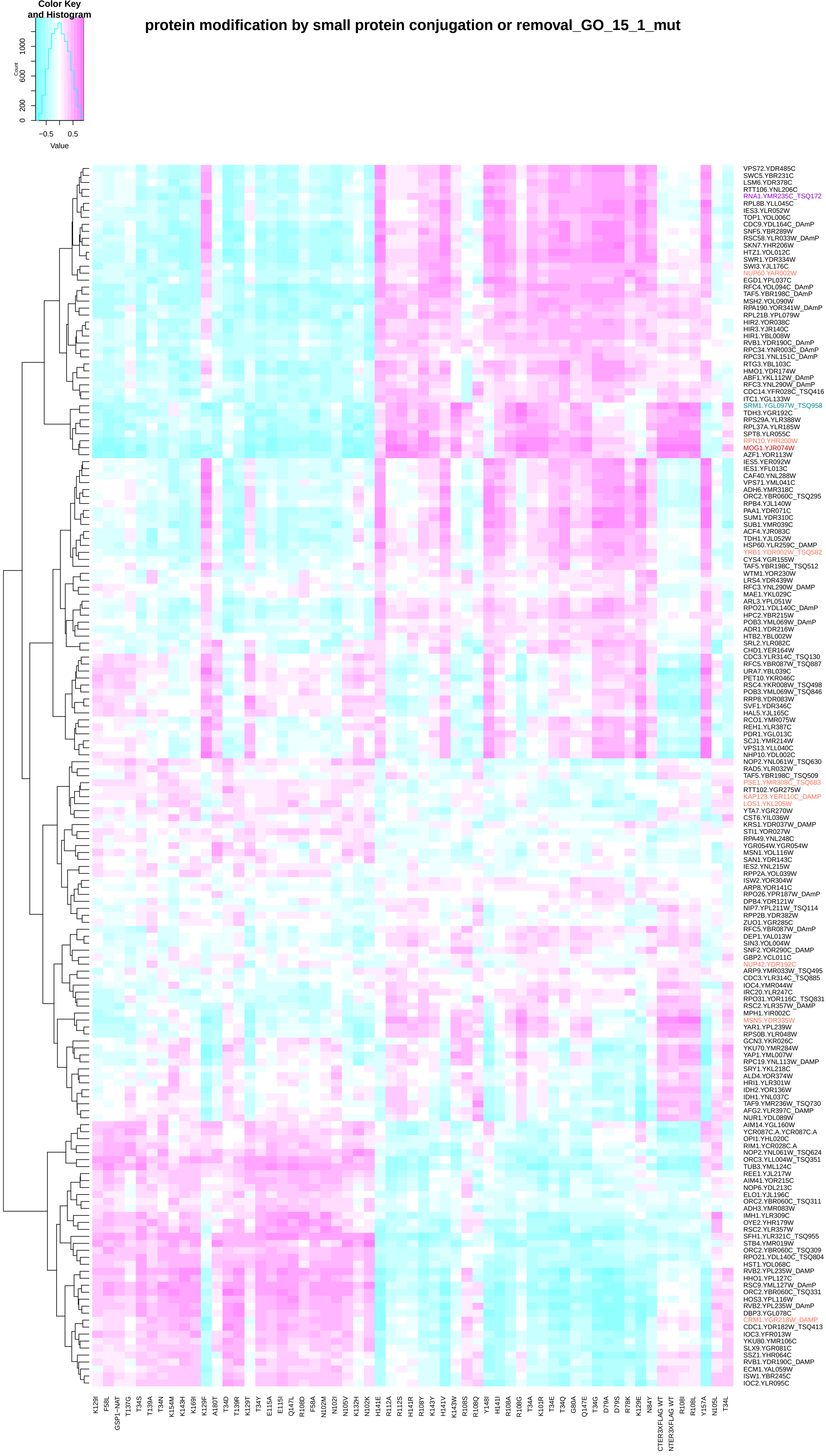
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SWC5.YBR231C
LSM6.YDR378C
RTT106.YNL206C
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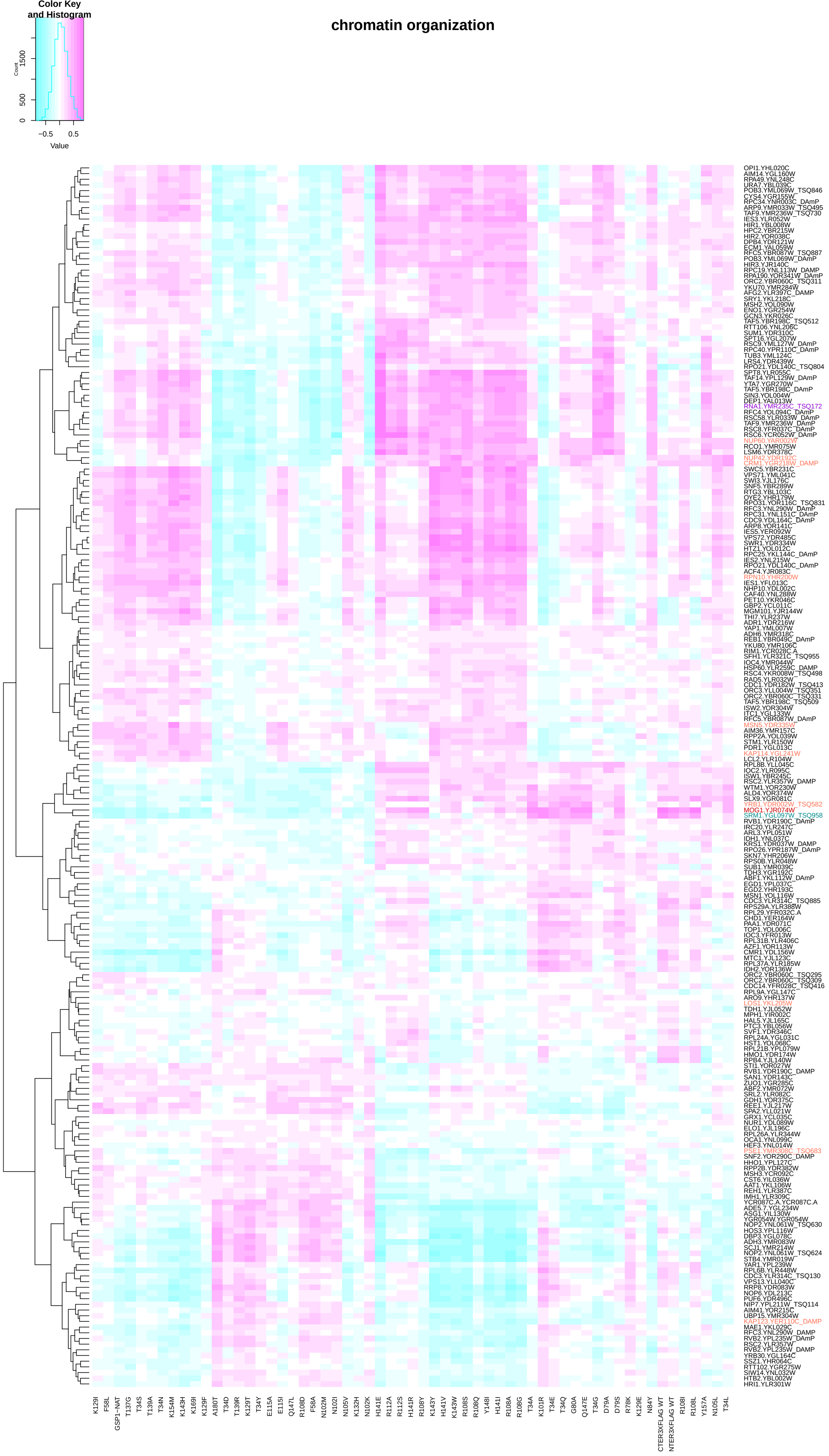
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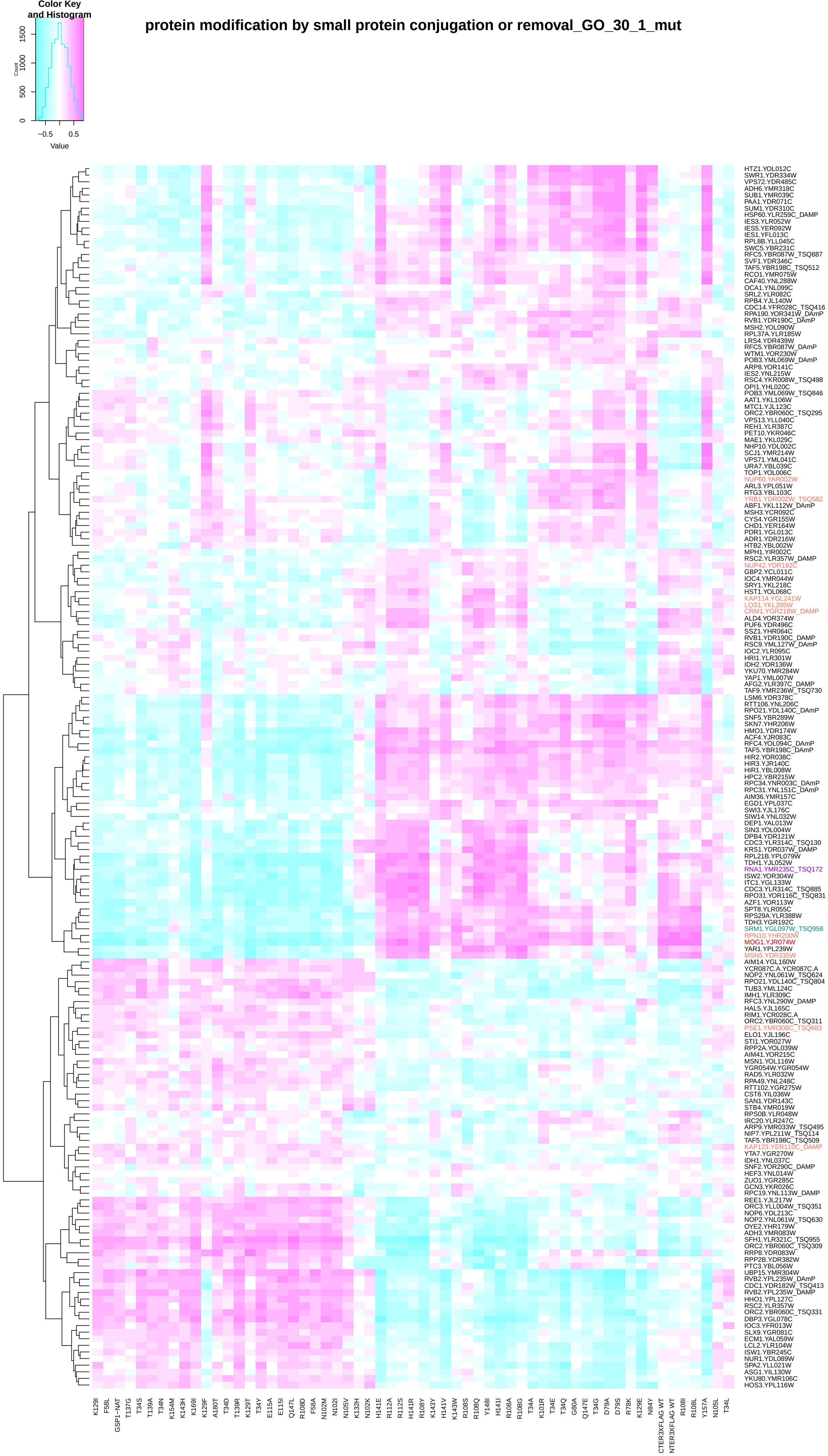
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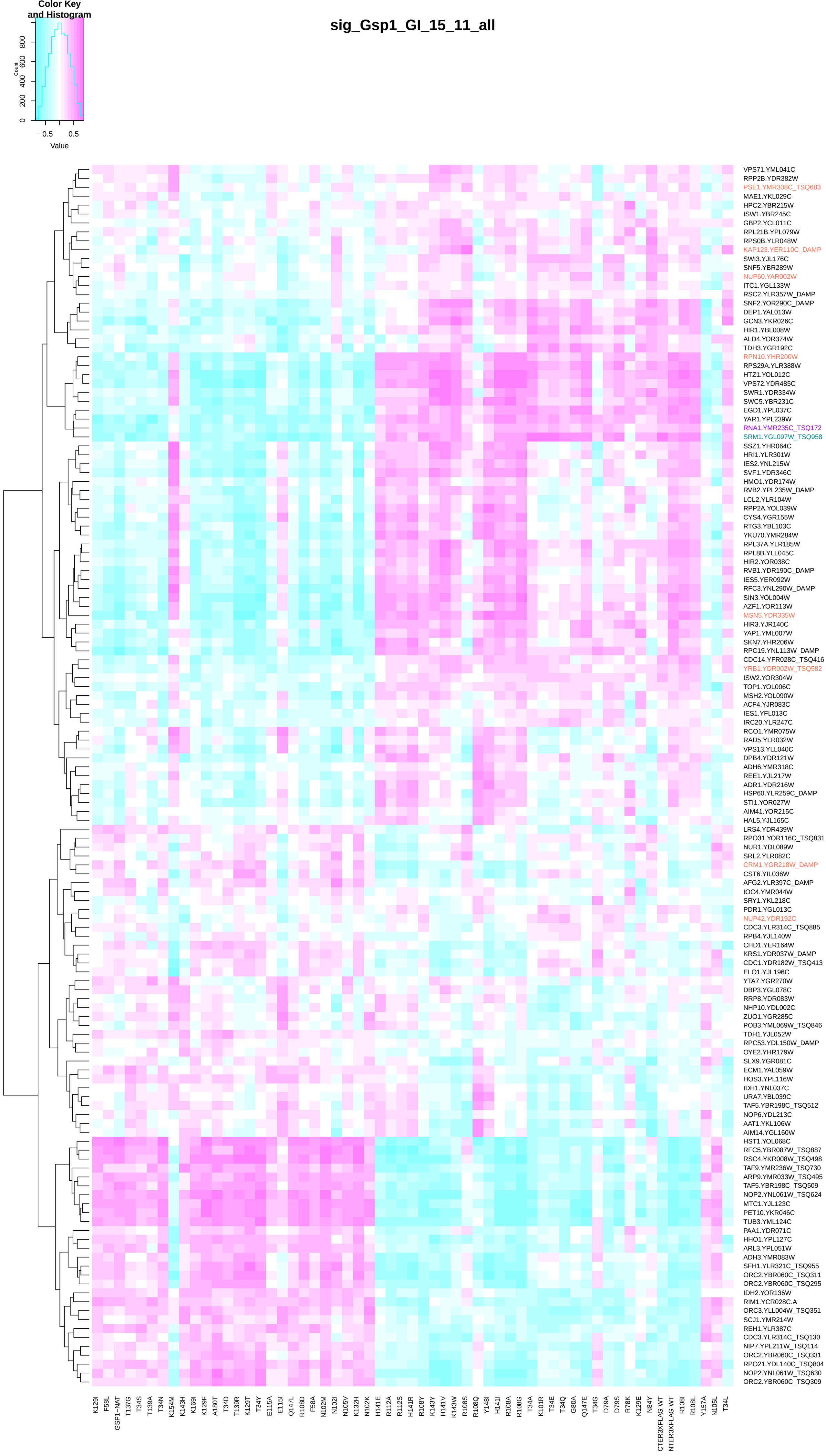
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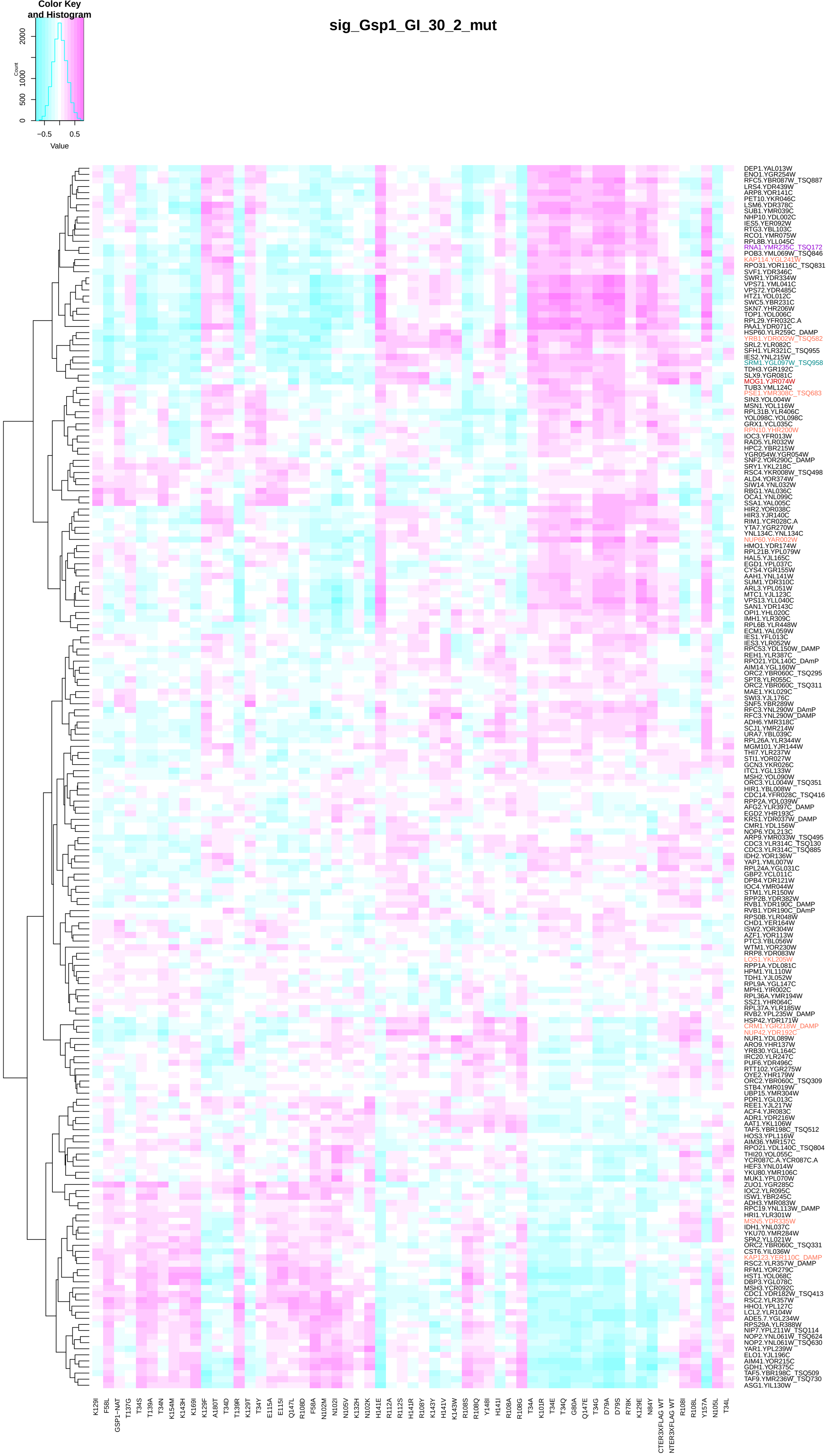
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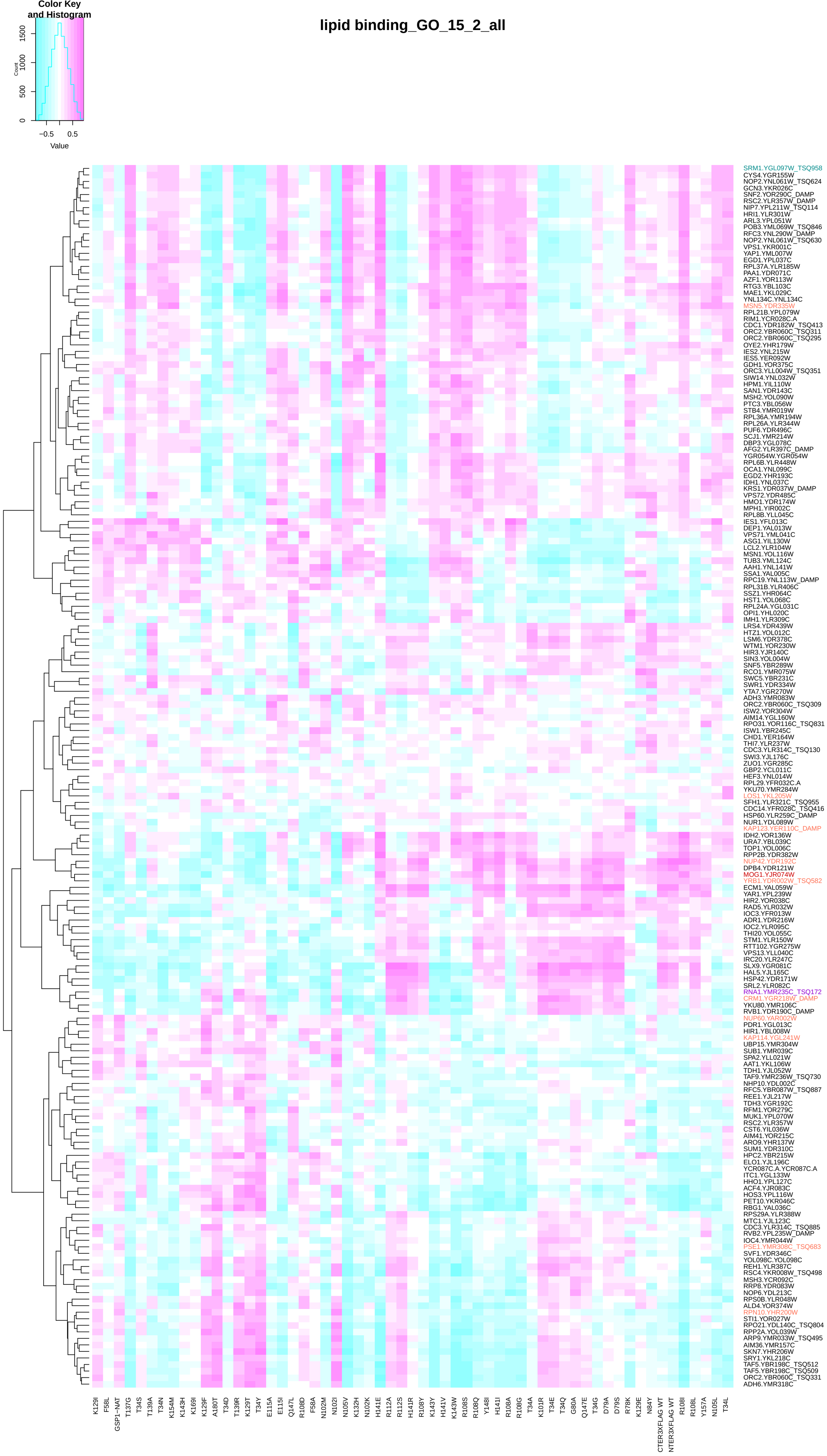
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