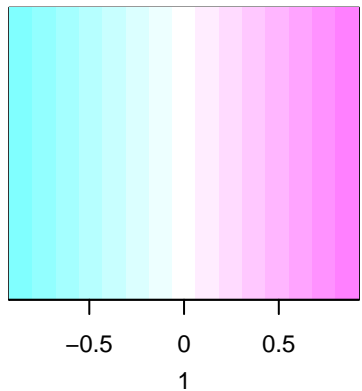
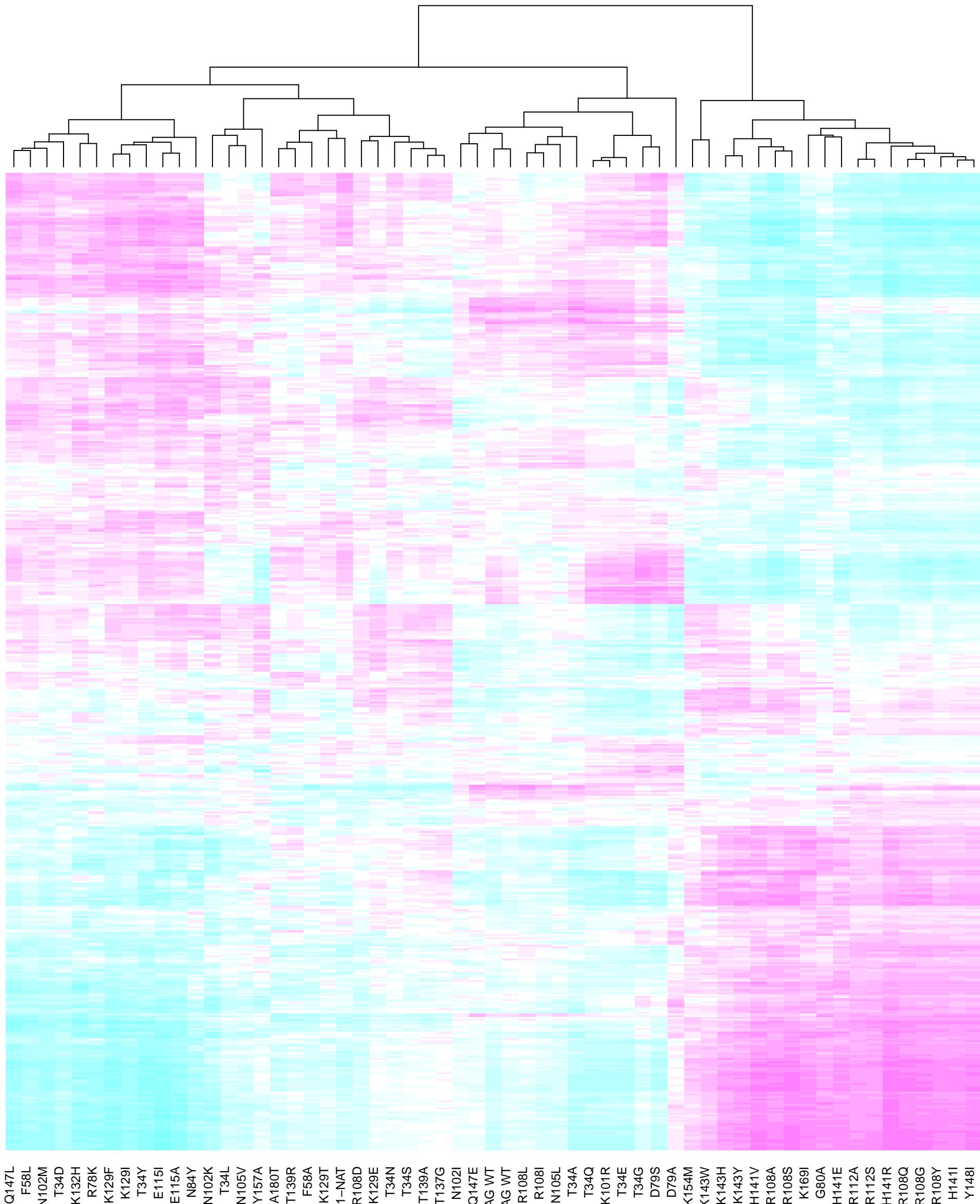


Color Key



All_Partners



Q147L
F58L
N102M
T34D
K132H
R78K
K129F
K129I
T34Y
E115I
E115A
N84Y
N102K
T34L
N105V
Y157A
A180T
T139R
F58A
K129T
GSP1-NAT
R108D
K129E
T34N
T34S
T139A
T137G
N102I
Q147E
CTER3XFLAG WT
NTER3XFLAG WT
R108L
R108I
N105L
T34A
T34Q
K101R
T34E
T34G
D79S
D79A
K154M
K143W
K143H
K143Y
H141V
R108A
R108S
K169I
G80A
H141E
R112A
R112S
H141R
R108Q
R108G
R108Y
H141I
Y148I