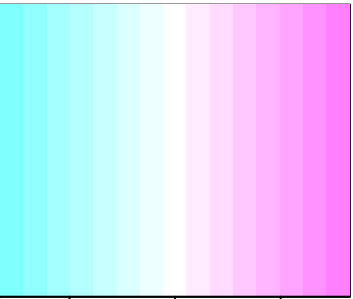
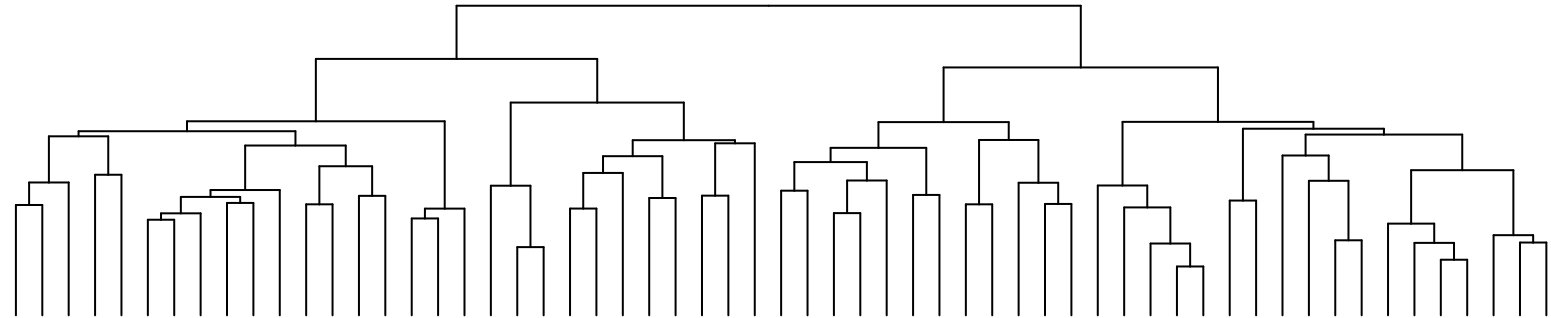


NUP53

Color Key



-0.5 0 0.5  
mutant



- cell cycle\_GO\_3
- chromatin\_GO\_2
- nuclear transport\_GO\_1
- Golgi and ER\_GO\_2
- transcription and mRNA processing\_GO\_3
- nuclear transport\_GO\_2
- cytoskeleton\_GO\_2
- cell cycle\_GO\_4
- transcription and mRNA processing\_GO\_5
- cell cycle\_GO\_2
- chromatin\_GO\_1
- budding\_GO\_1
- transcription and mRNA processing\_GO\_4
- ribosome\_GO\_2
- mitochondrion\_GO\_1
- nuclear transport\_GO\_10
- vacuole\_GO\_1
- mitochondrion\_GO\_3
- nuclear transport\_GO\_6
- transcription and mRNA processing\_GO\_2
- nuclear transport\_GO\_7
- nuclear transport\_GO\_5
- Golgi and ER\_GO\_3
- budding\_GO\_3
- cell cycle\_GO\_1
- transcription and mRNA processing\_GO\_1
- metabolic\_GO\_1
- cytoskeleton\_GO\_1
- mitochondrion\_GO\_2
- nuclear transport\_GO\_3
- chromatin\_GO\_4
- metabolic\_GO\_3
- nuclear transport\_GO\_9
- lipids\_GO\_1
- budding\_GO\_2
- ribosome\_GO\_1
- Golgi and ER\_GO\_1
- lipids\_GO\_2
- metabolic\_GO\_2
- transcription and mRNA processing\_GO\_6
- nuclear transport\_GO\_4
- chromatin\_GO\_3

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