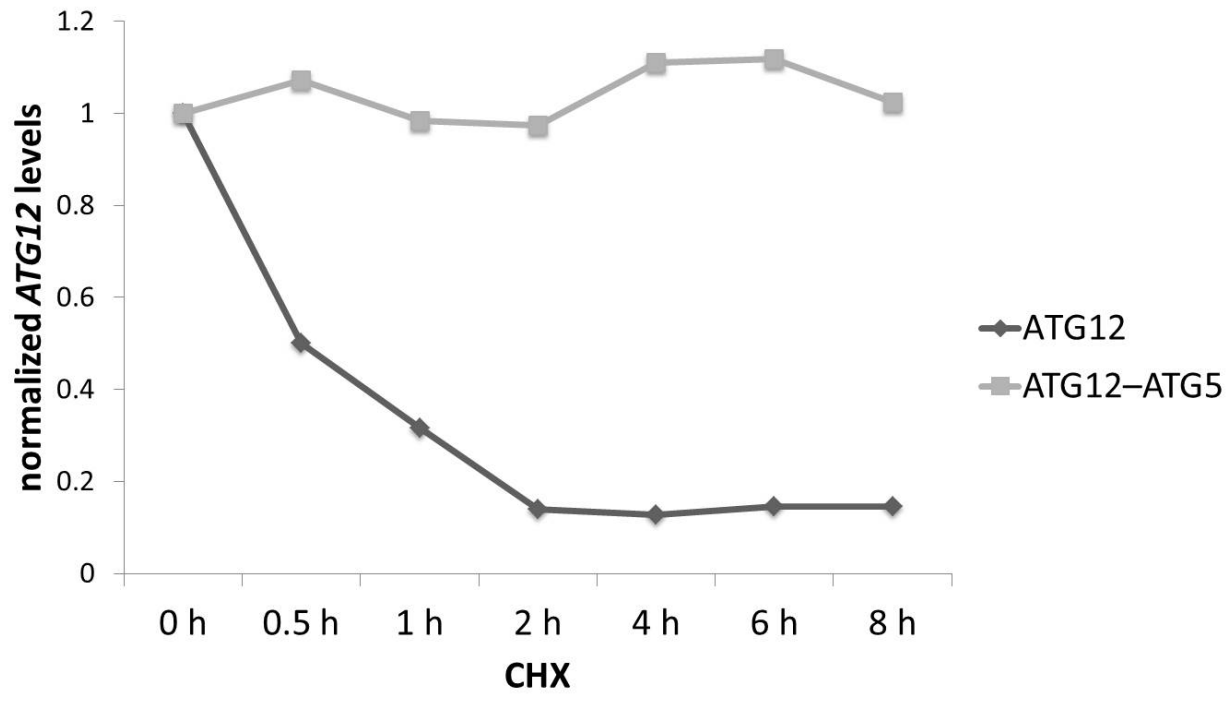
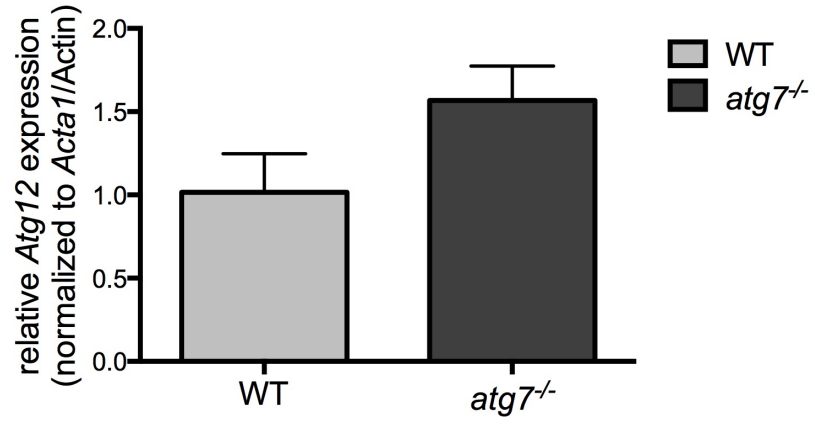


Supplementary Figure 1

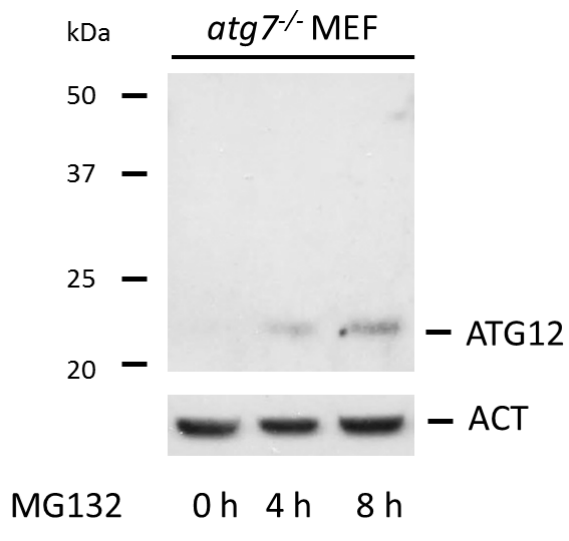


Supplementary Figure 2

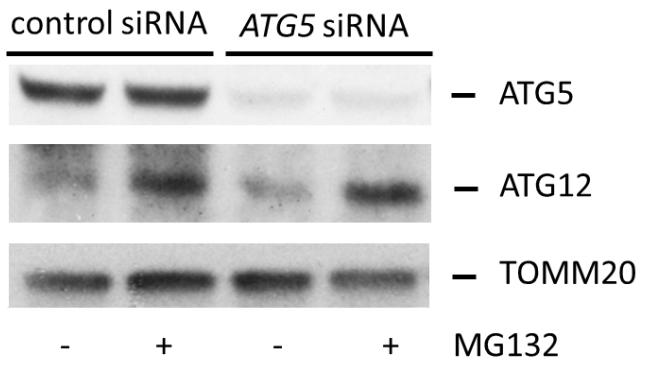
A



B



C

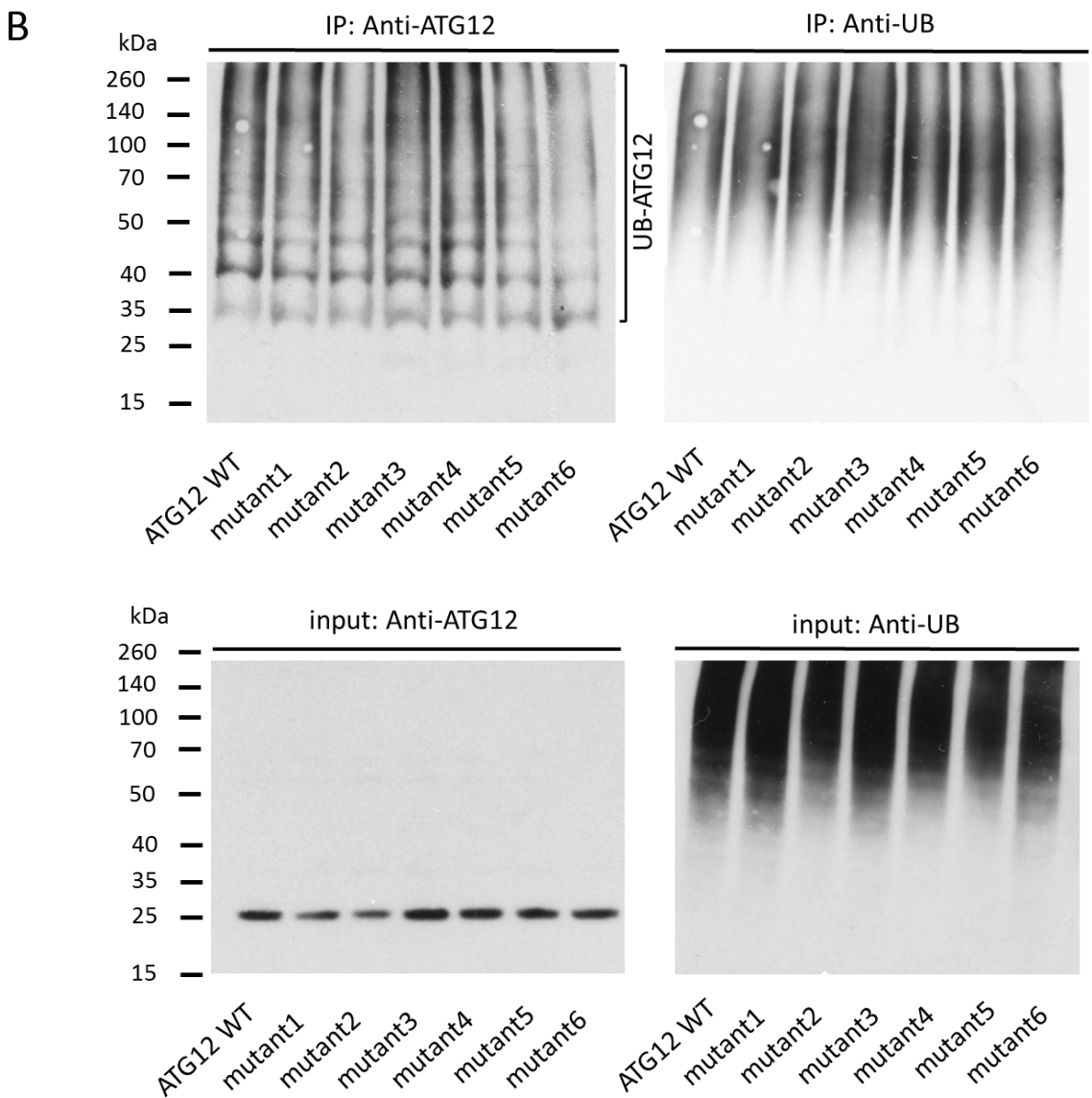


Supplementary Figure 3

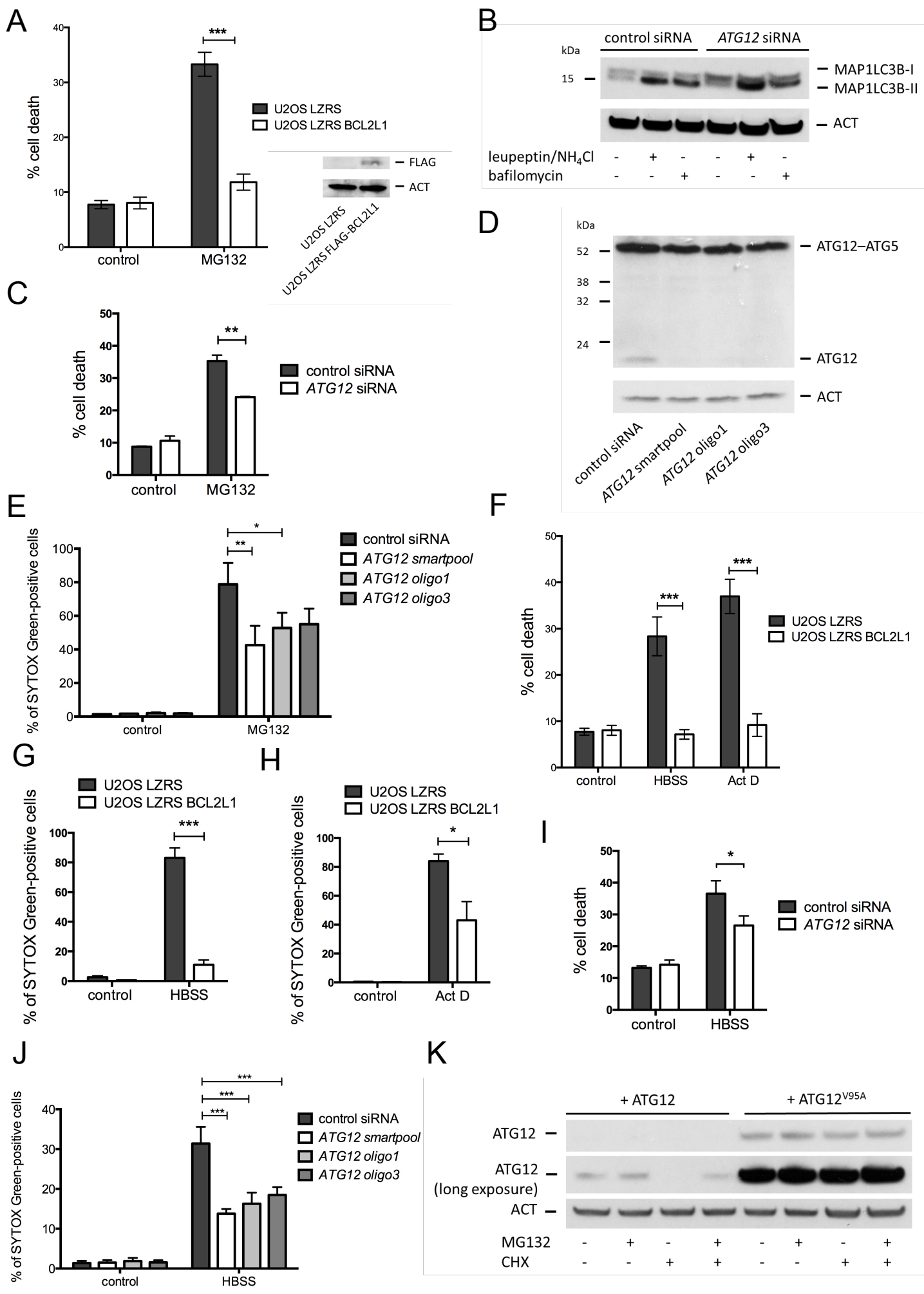
A

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      |
MAEE PQSVLQLPTS IAAGGE
      40
      |
GLTDVSPETTTPEPPSSAAV
      60
      |
      mutant 1 mutant 2
      |
SPGTEEPAGDTKKKIDILLK
      80
      |
      mutant 3
      |
AVGDTPIMKTKKWAVERTRT
      100
      |
      mutant 4
      |
IQGLIDFICKFLKLVASEQL
      120
      |
FIYVNQSFAPSPDQEVGTLY
      140
      |
      mutant 5 mutant 6
      |
ECFGSDGKLVLVHYCKSQAWG
    
```



Supplementary Figure 4



Supplementary Figure 5

