

Supplementary files

The NMD pathway differentially regulates ATG8 mRNAs during EMT

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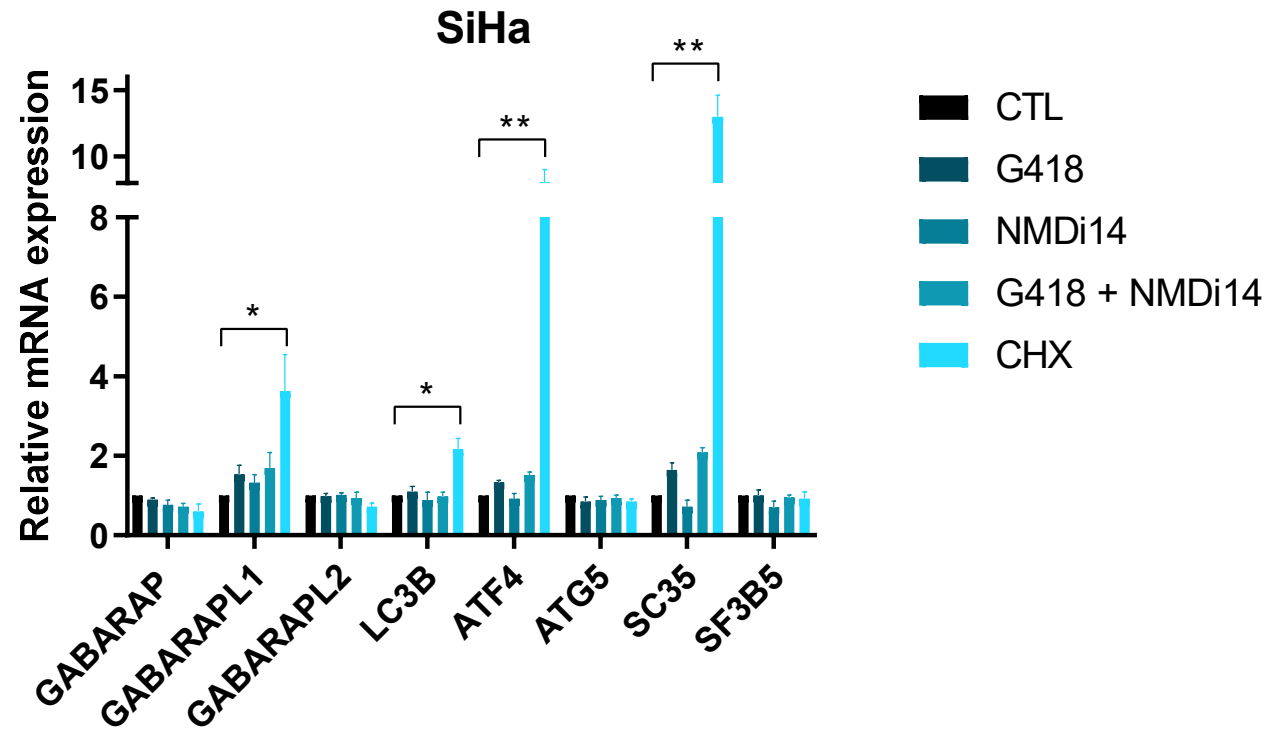


Figure S1. Regulation of the ATG8 family mRNA expression upon chemical inhibition of the NMD. SiHa cells have been treated with G418 (400 $\mu\text{g/ml}$) or NMDi14 (50 μM) for 24 h, or with CHX (100 $\mu\text{g/ml}$) for 5 h, and the expression levels of ATG8 mRNAs have been analyzed by RT-qPCR. The values were calculated using the $\Delta\Delta\text{CT}$ method and were relative to H3B2 levels and expressed as fold change. Data are represented as $\pm\text{S.E.M}$ of three independent experiments. P-values were calculated using Student's t test.

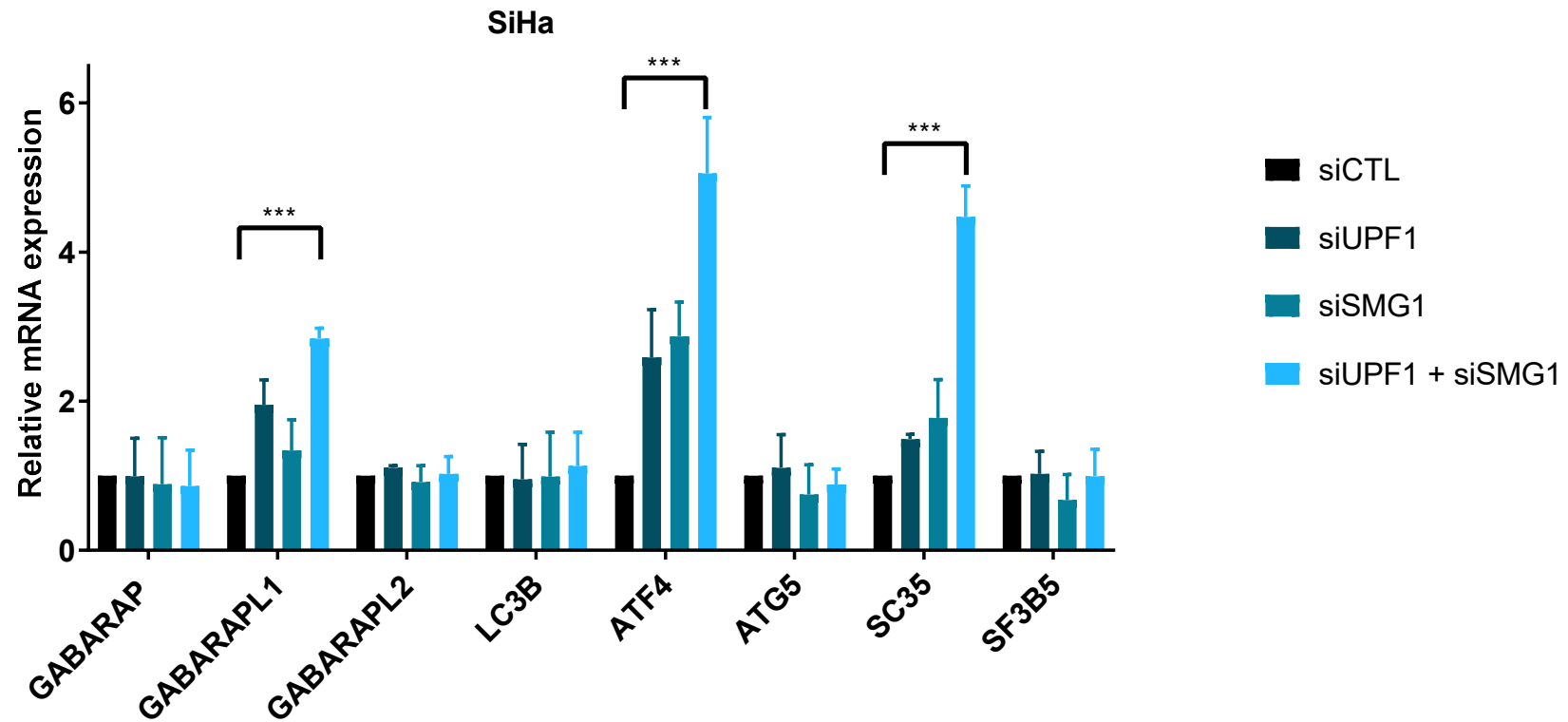


Figure S2. Regulation of the ATG8 family mRNAs expression upon siRNA-mediated inhibition of the NMD. SiHa cells have been transfected with siRNA (20 pmol/well) targeting NMD transcripts UPF1 or SMG1. Quantification by RT-qPCR of ATG8 transcripts expression levels. The values were calculated using the $\Delta\Delta CT$ method and were normalized to H3B2 levels and expressed as fold changes. Data are represented as \pm S.E.M of three independent experiments. P-values were calculated using a Student's *t* test.

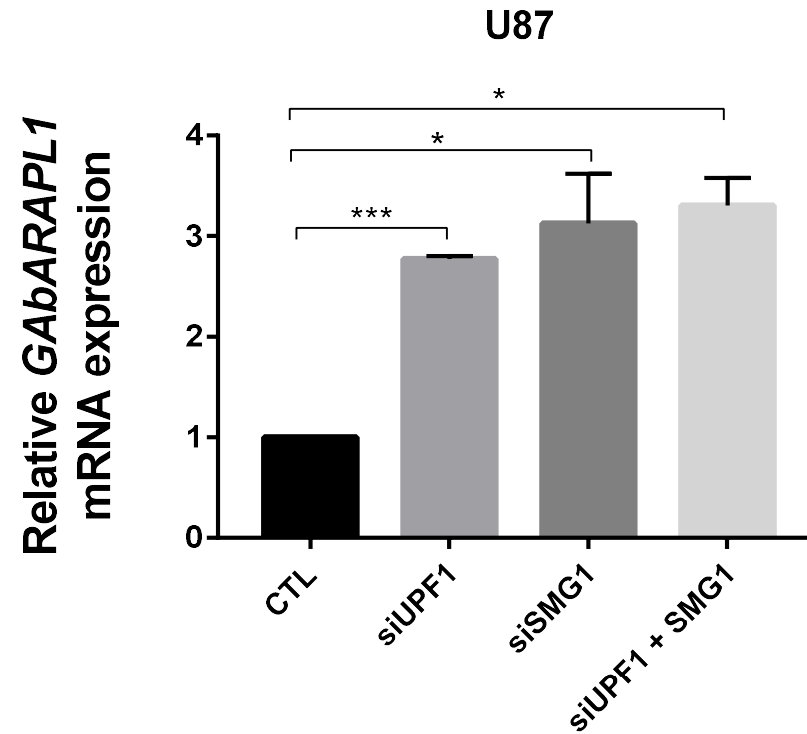


Figure S3. Regulation of the GABARAPL1 mRNA expression upon siRNA-mediated inhibition of the NMD. U87 cells have been transfected with siRNA (20 pmol/well) targeting NMD transcripts UPF1 or SMG1. Quantification by RT-qPCR of GABARAPL1 transcripts expression levels. The values were calculated using the $\Delta\Delta CT$ method and were normalized to H3B2 levels and expressed as fold changes. Data are represented as \pm S.E.M of three independent experiments. P-values were calculated using a Student's *t* test.

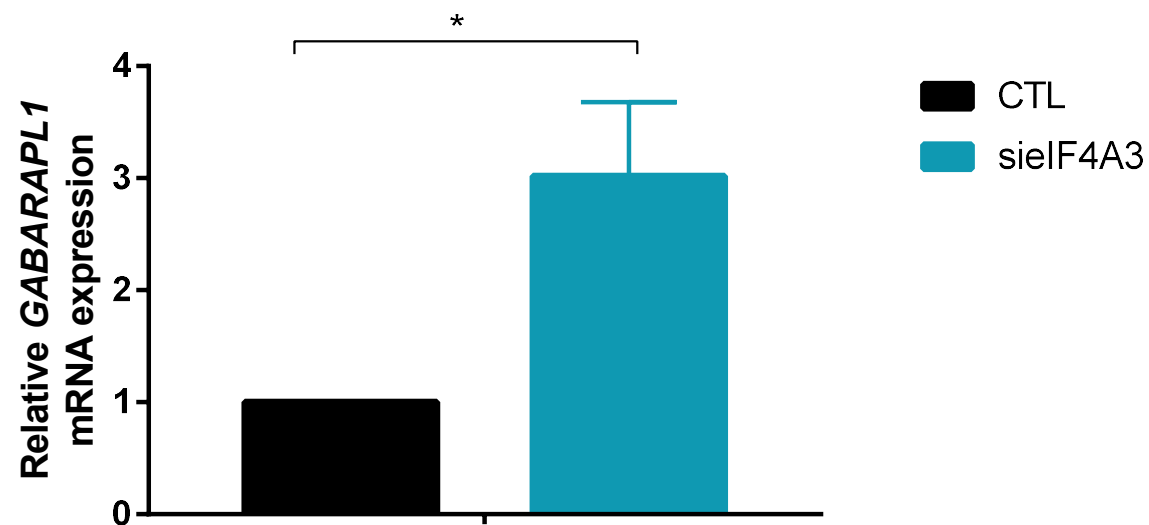


Figure S4. Regulation of the GABARAPL1 mRNA levels upon siRNA-mediated inhibition of eIF4A3. SiHa cells have been transfected with siRNA (20 pmol/well) targeting eIF4A3. Quantification by RT-qPCR of expression levels of GABARAPL1 transcripts. The values were calculated using the $\Delta\Delta CT$ method and were normalized to H3B2 levels and expressed as fold changes. Data are represented as \pm S.E.M of three independent experiments. P-values were calculated using a Student's *t* test.