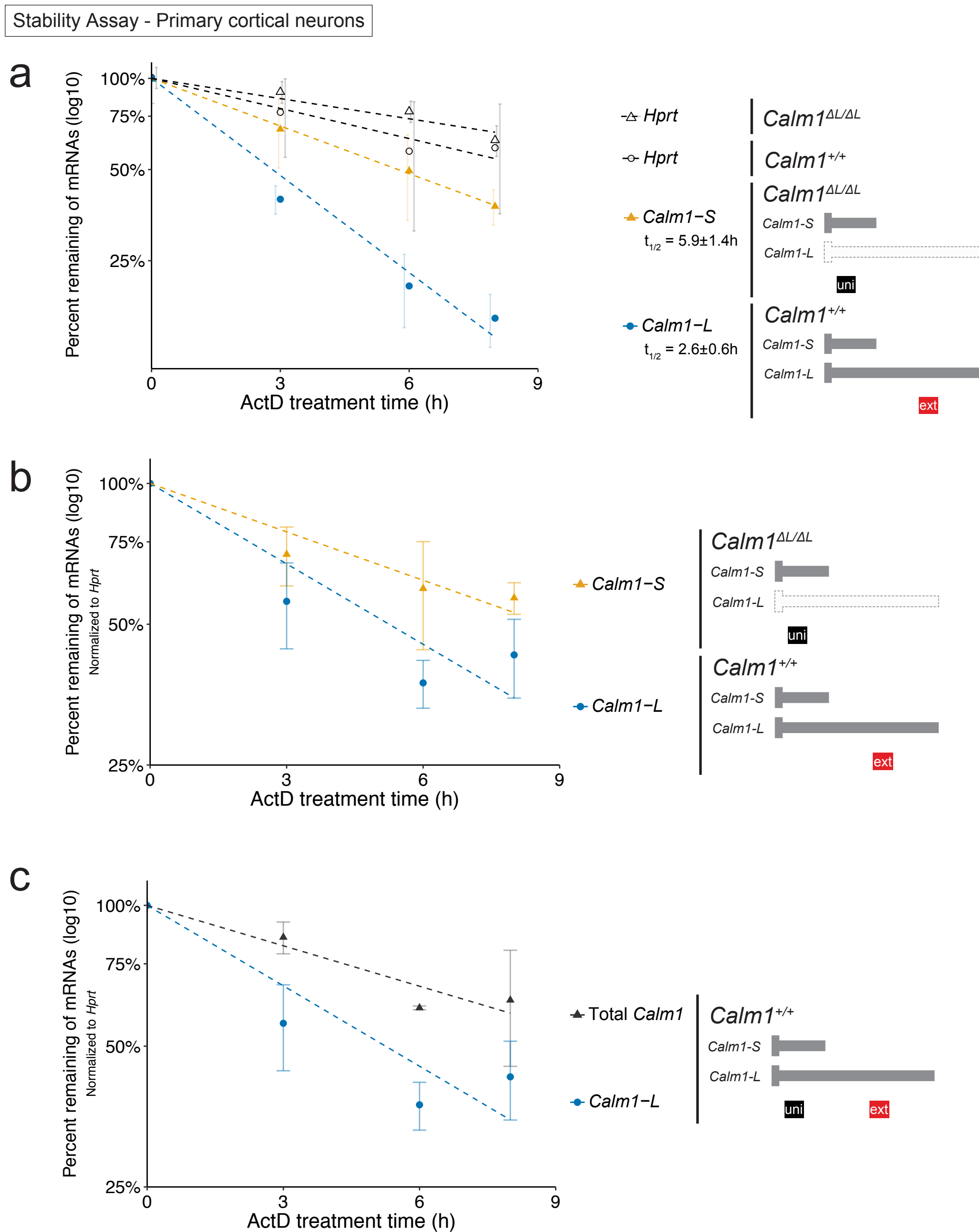


Supplemental Figure 5



Supplemental Figure 5. *Calm1-L* is less stable than *Calm1-S*. Extension qRT-PCR primers (ext) were used to detect *Calm1-L* from *Calm1*^{+/+} samples, and universal qRT-PCR primers (uni) were used to uniquely detect *Calm1-S* from *Calm1*^{ΔL/ΔL} samples. (a) Without normalization, *Calm1-S* was found to have a longer half-life ($t_{1/2} = 5.9 \pm 1.4$ h) compared to *Calm1-L* ($t_{1/2} = 2.6 \pm 0.6$ h) (b) When *Calm1* transcript levels were normalized to the stable *Hprt* transcripts, *Calm1-S* was consistently found to be more stable than *Calm1-L*. (c) total *Calm1* levels were measured using uni primers in the *Calm1*^{+/+} samples to ensure that the shorter half-life of *Calm1-L* is not attributed to genetic background. This showed that total *Calm1* had higher stability compared to the *Calm1-L*. n = 3 biological replicates.