

## Supplementary Material 3

Figure 1

Purified human RNA exposed to UV radiation. RIN plotted against incubation time and gel picture of all time points.

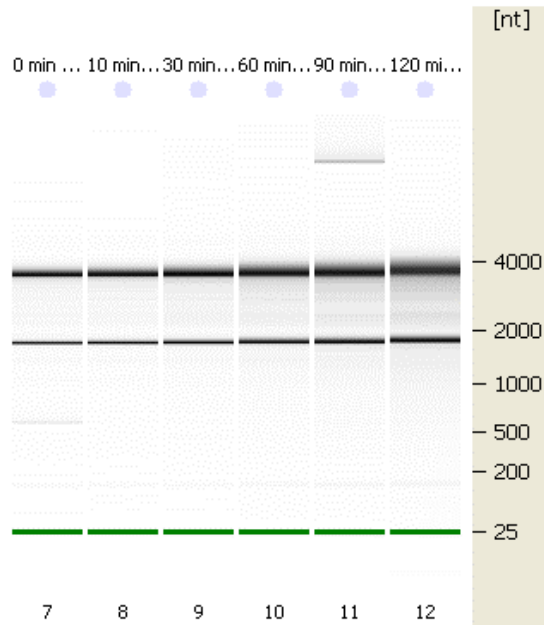
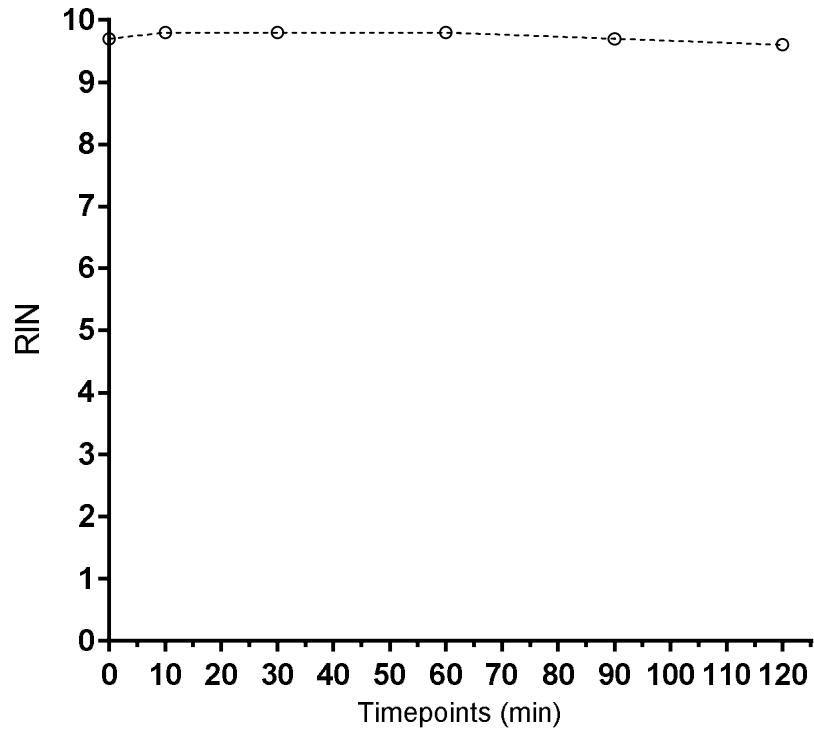
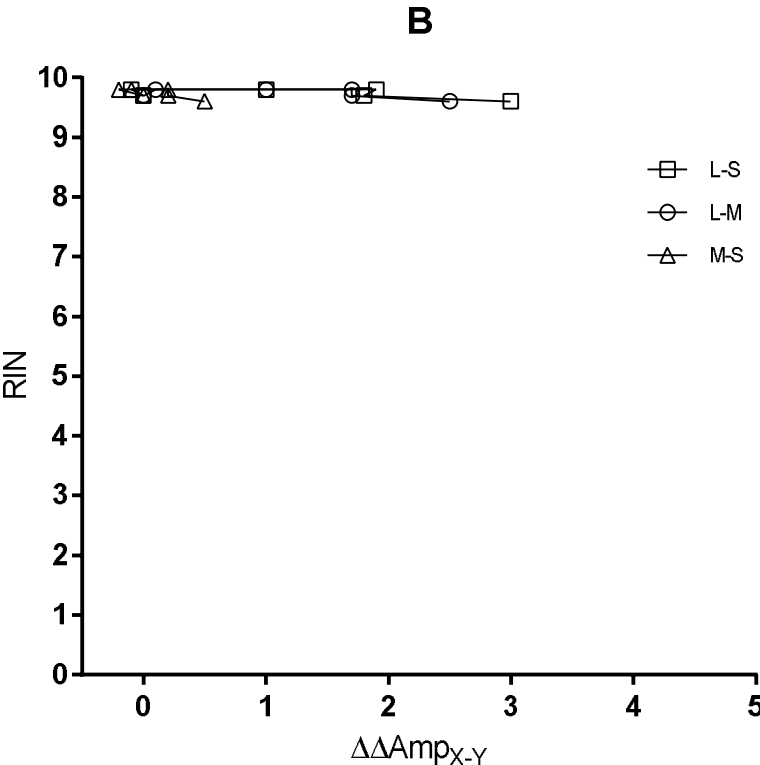
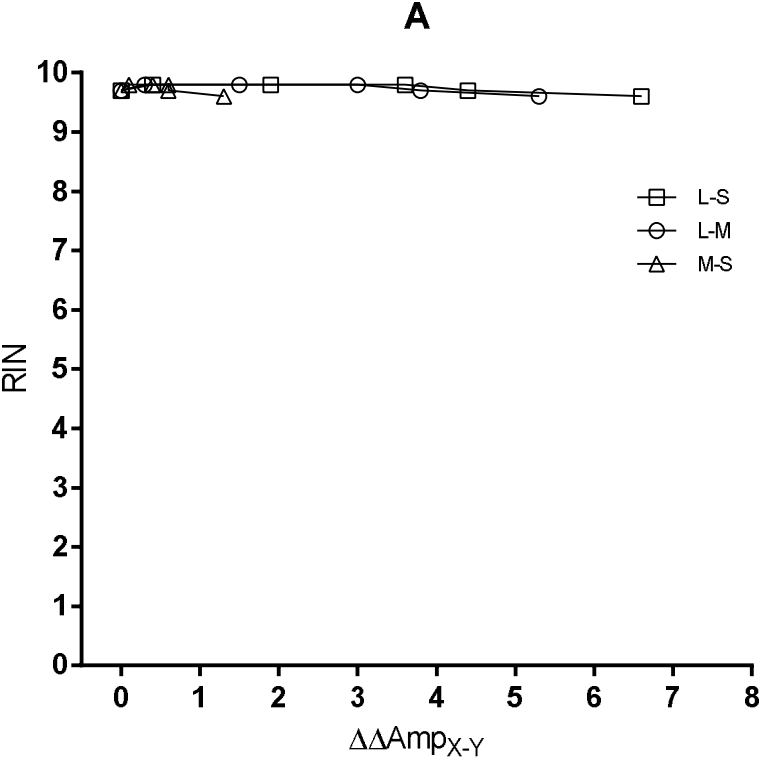
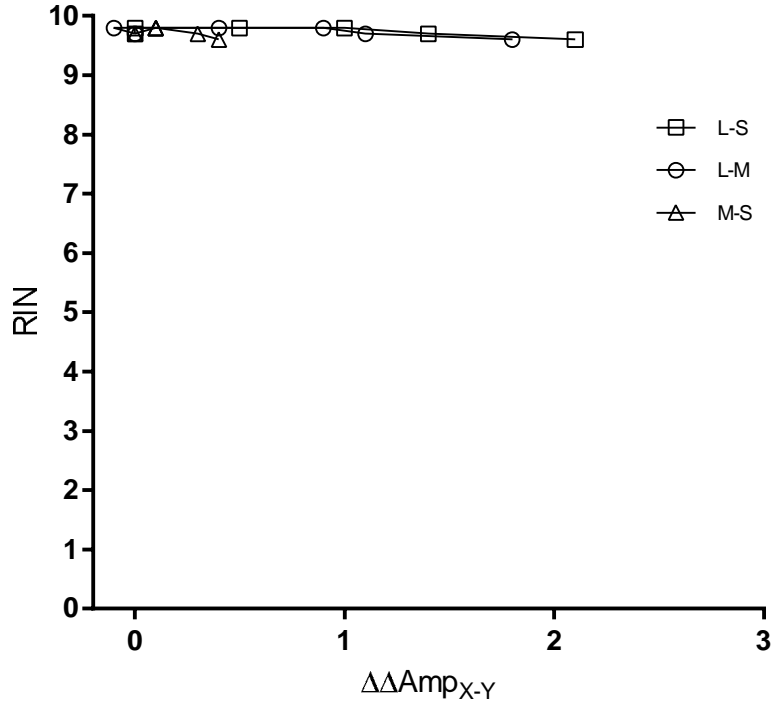


Figure 2

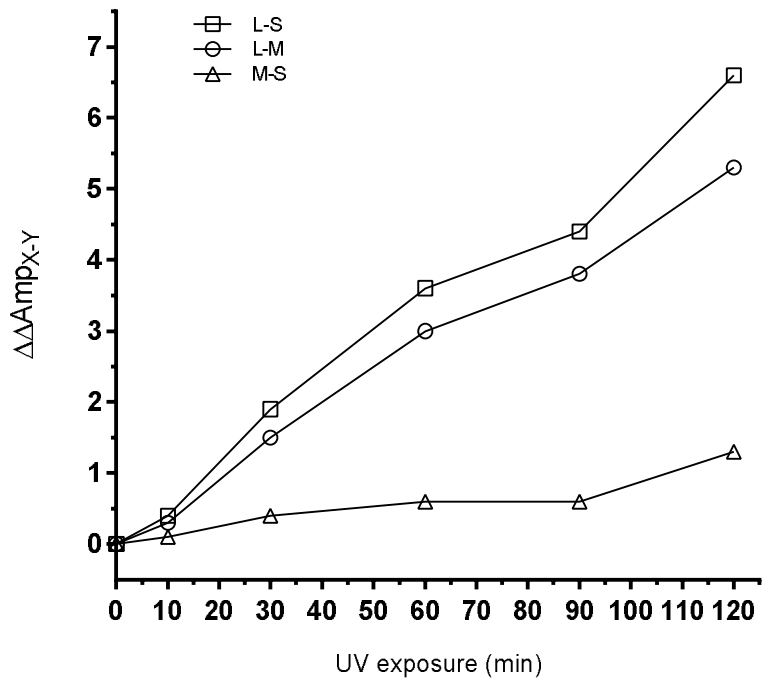
Purified human RNA exposed to UV radiation. RQI plotted against  $\Delta\Delta\text{Amp}_{\text{ERR}}$  for B2M (A), ERR marker (B) and 18S (C). Exposure time plotted against  $\Delta\Delta\text{Amp}_{\text{ERR}}$  for B2M (D), ERR marker (E) and 18S (F).



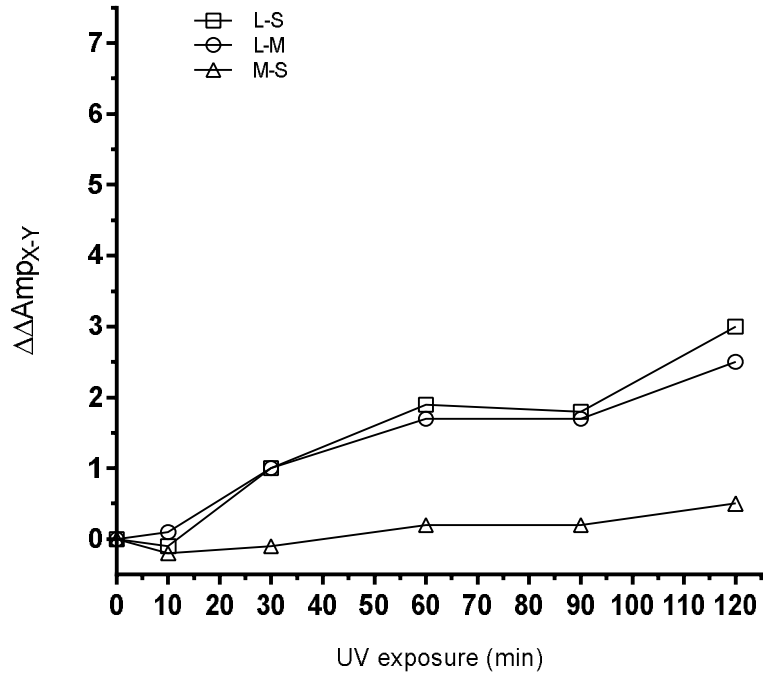
**C**



**D**



**E**



**F**

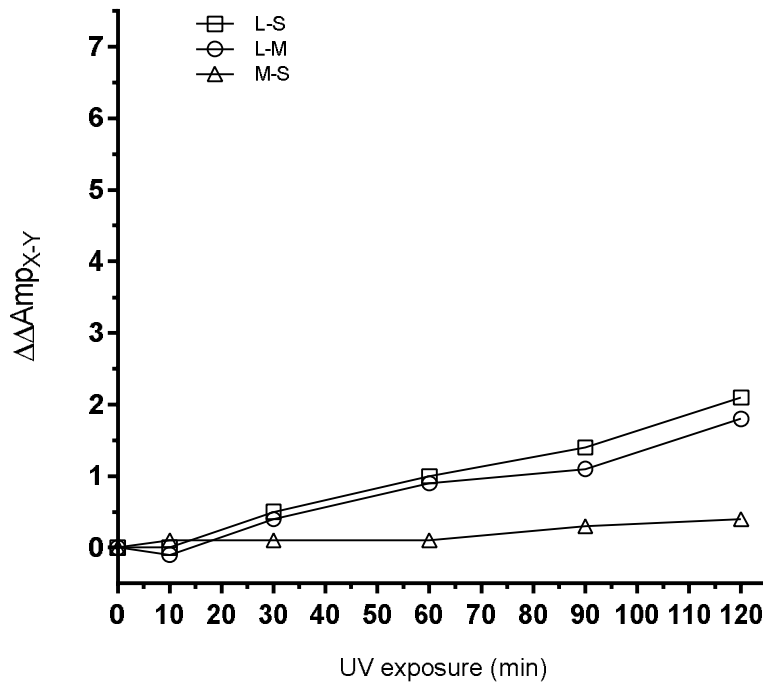
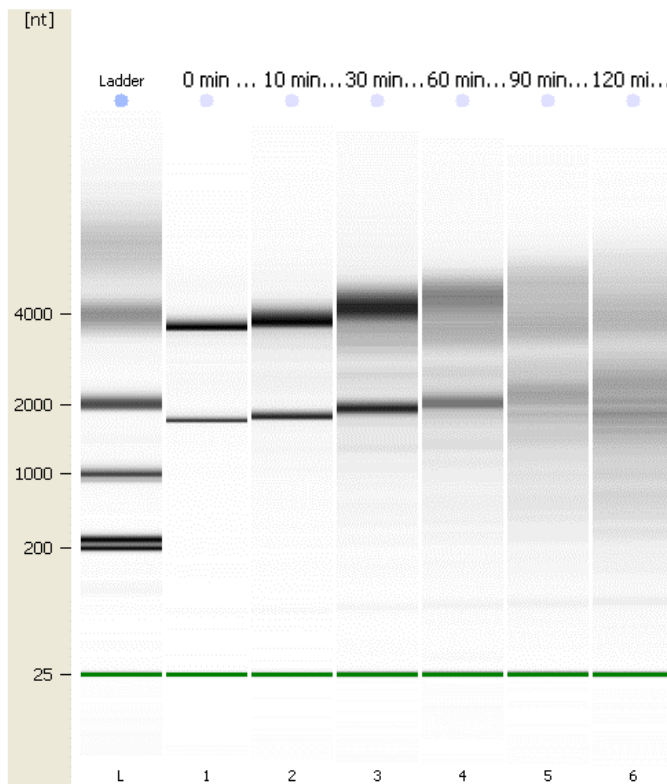
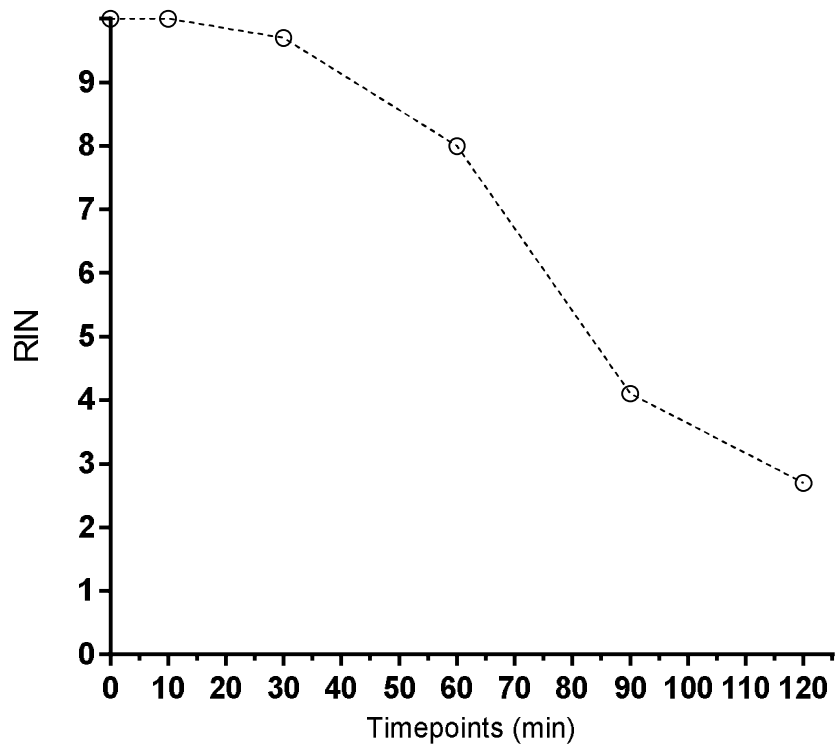


Figure 3

Purified human RNA exposed to high intensity UV radiation. RIN plotted against incubation time, gel picture of all time points and  $\Delta\Delta\text{Amp}_{\text{ERR}}$  for B2M.



### High intensity UV exposure (B2M)

