A Conserved Structural Determinant Located at the Interdomain Region of Mammalian IRE1α

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Supplemental Figures:

Figure S1. *Xbp1* mRNA splicing. RT-PCR analysis of Xbp1 mRNA splicing in IRE1α$^{-/-}$ MEF stably expressing various IRE1α mutants. Cells were treated with 60 nM Tg for 3 h. L32, a loading control. Xbp1u and s are shown. Representative of two experiments.

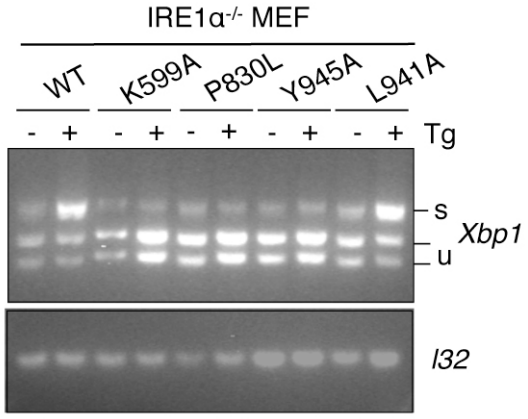

Figure S2. Confocal analysis of intracellular localization of IRE1α WT and mutants. Cells expressing inducible WT (top), P830L (middle) or D123P (bottom) IRE1α-3F6HGFP proteins were plated on poly-lysine-coated coverslips in a 6-well plate, transfected with the pDsRed2-ER plasmid for 12 h followed by doxycycline treatment for 24 h. After fixation with 4% paraformaldehyde, coverslips were loaded onto a slide and subjected to confocal imaging. Images are representatives of over 100 cells from 2 independent experiments. Scale bar, 10 μm.