Description of Additional Supplementary Files

File name: Supplementary Data 1

Description: Gene Ontology (GO) enrichment analysis of biological processes associated with

significantly dysregulated genes in FBXO32 mutant hearts.

File name: Supplementary Data 2

Description: List of dysregulated genes with roles in the ER stress response in FBXO32 mutant

hearts.

File name: Supplementary Data 3

Description: List of CHOP target genes from the microarray data analysis in FBXO32 mutant

hearts.

File name: Supplementary Data 4

Description: Network analysis of CHOP target genes in FBXO32 mutant hearts.

File name: Supplementary Data 5 **Description:** Source data for graphs