

**Uncropped blot, autoradiograph and gel images
for Figures 1, 2, 3, 4 and 6, and Supplementary Figures 1, 3 and 4.**

Figure 1

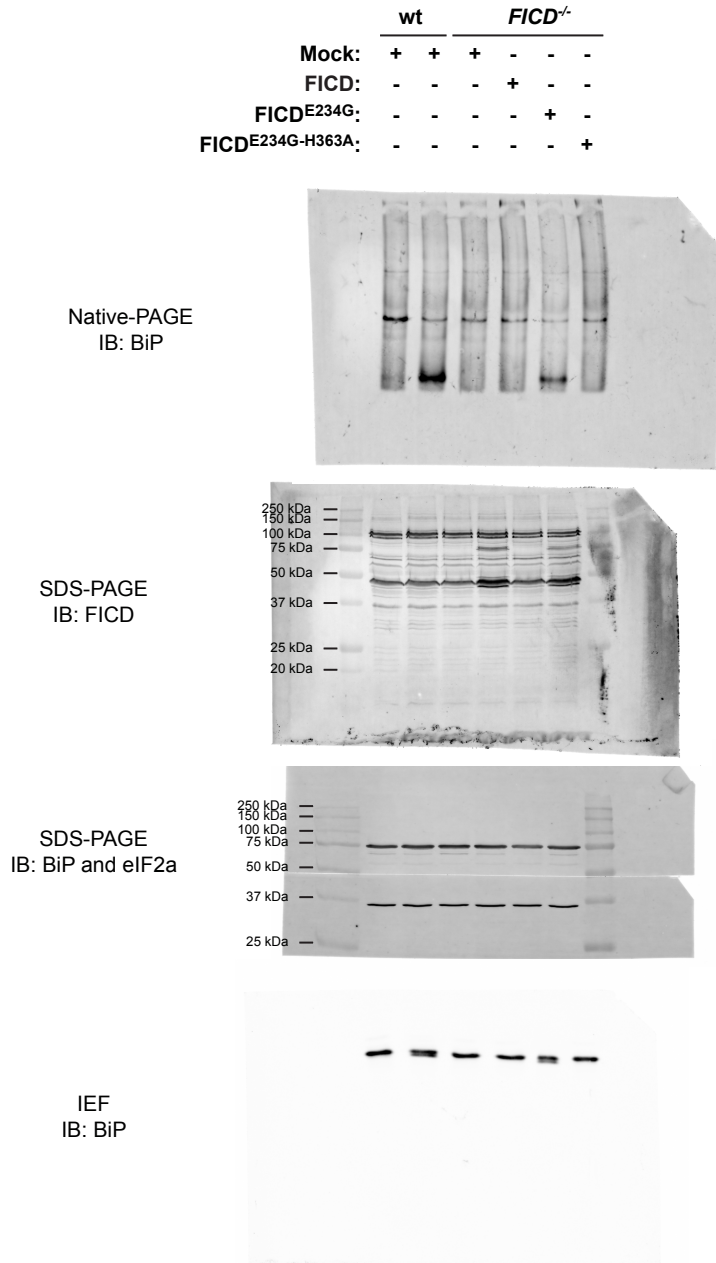
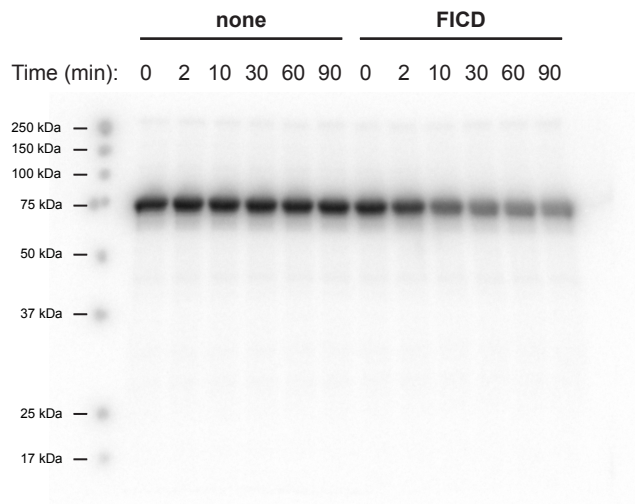
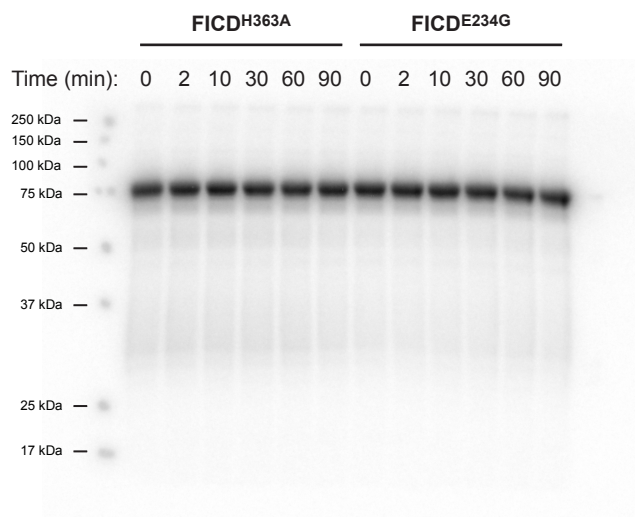


Figure 2a

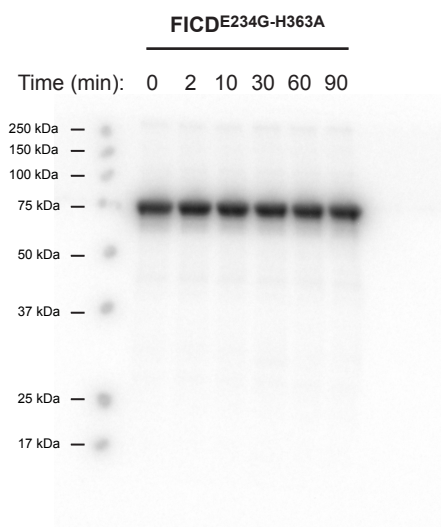
Autoradiographs



Gel 1



Gel 2



Gel 3

Coomassie (CBB) stain (loading control)

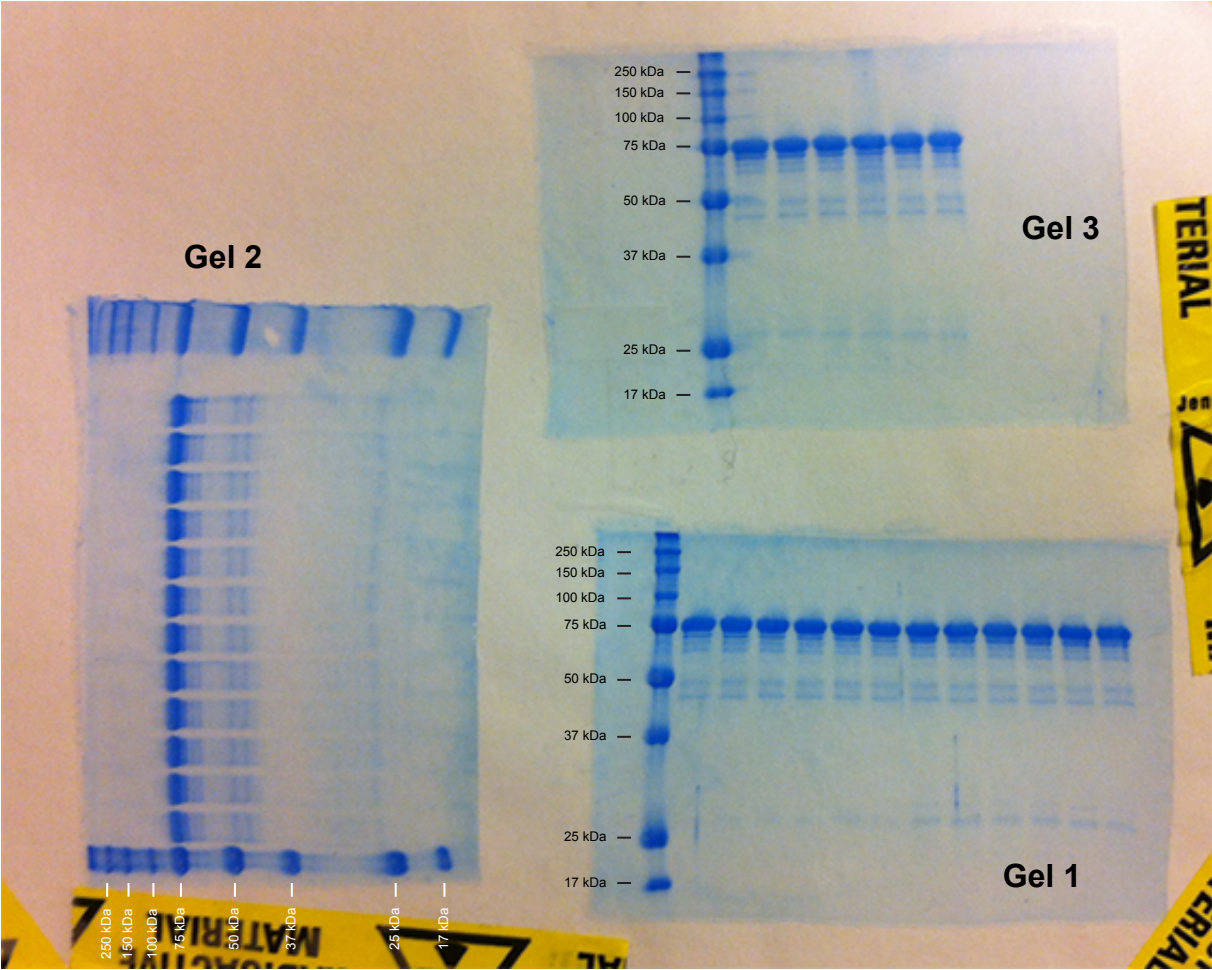


Figure 2b

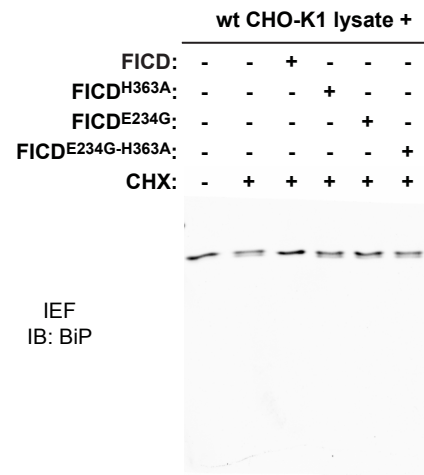
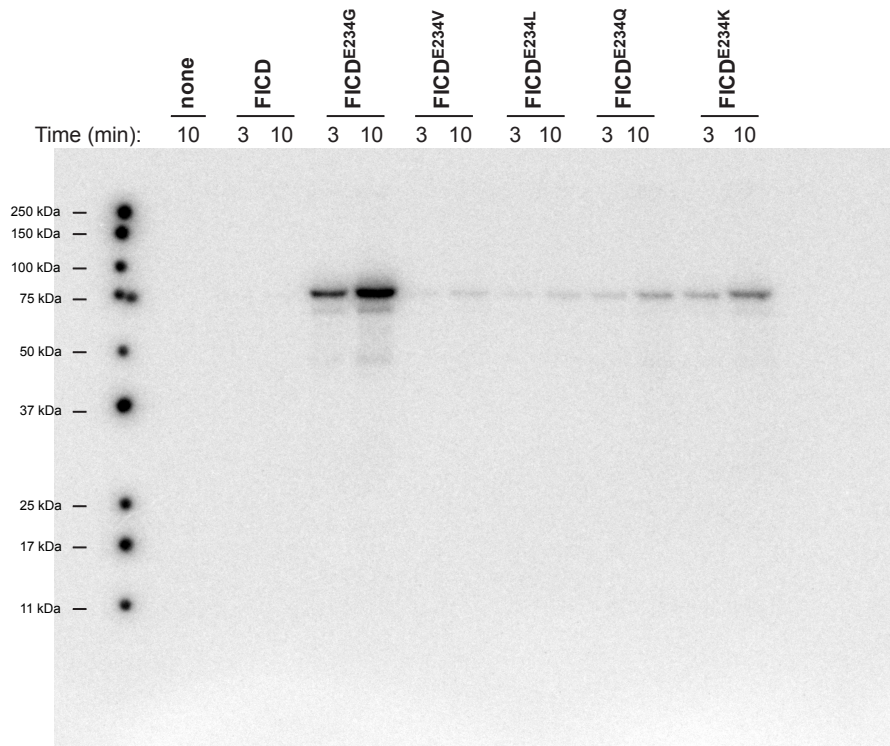


Figure 2c

Autoradiographs



Coomassie (CBB) stain (loading control)

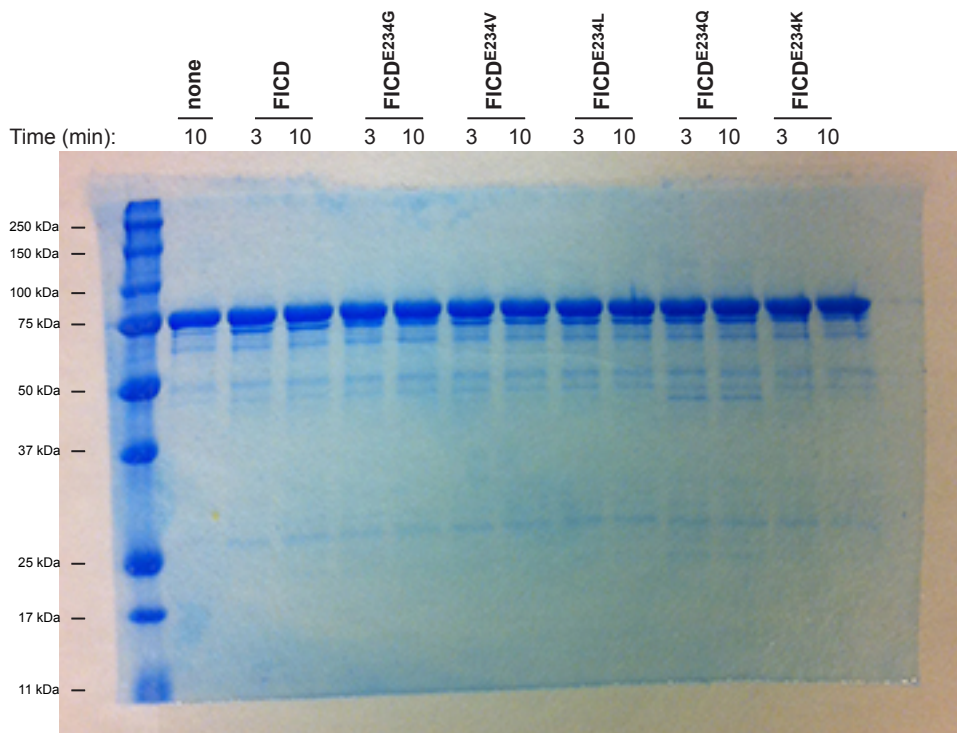
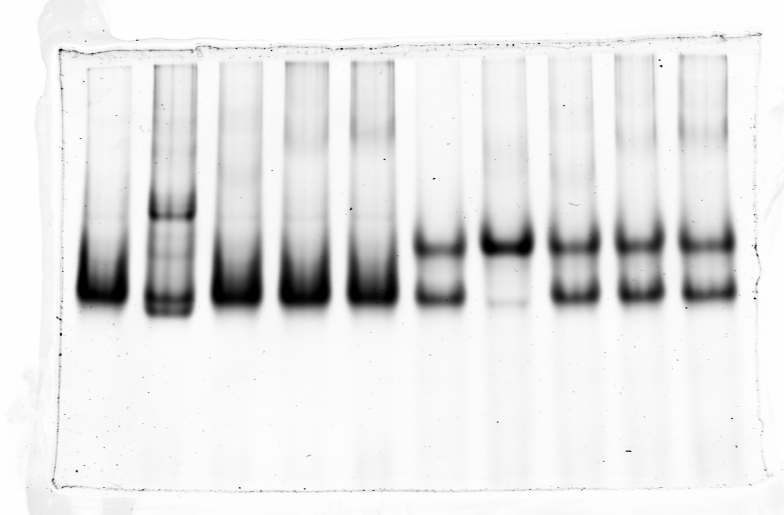


Figure 3d

	BiP-AMP (+ ATP)									
FICD:	-	+	-	-	-	-	+	-	-	-
FICD ^{H363A} :	-	-	+	-	-	-	-	+	-	-
FICD ^{E234G} :	-	-	-	+	-	-	-	-	+	-
FICD ^{E234G-H363A} :	-	-	-	-	+	-	-	-	-	+
SubA:	-	-	-	-	-	+	+	+	+	+



CBB

Figure 3e

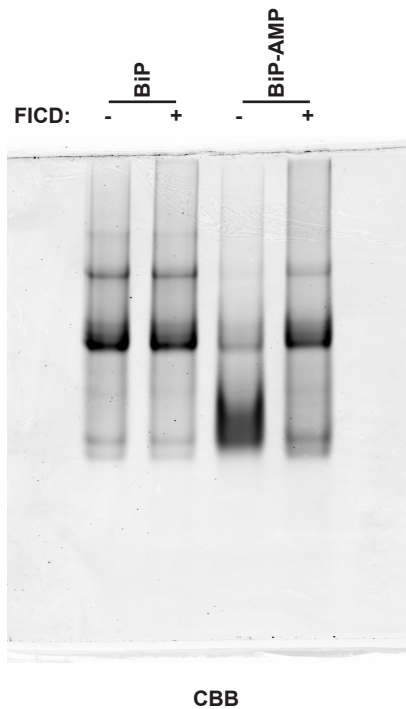


Figure 4a

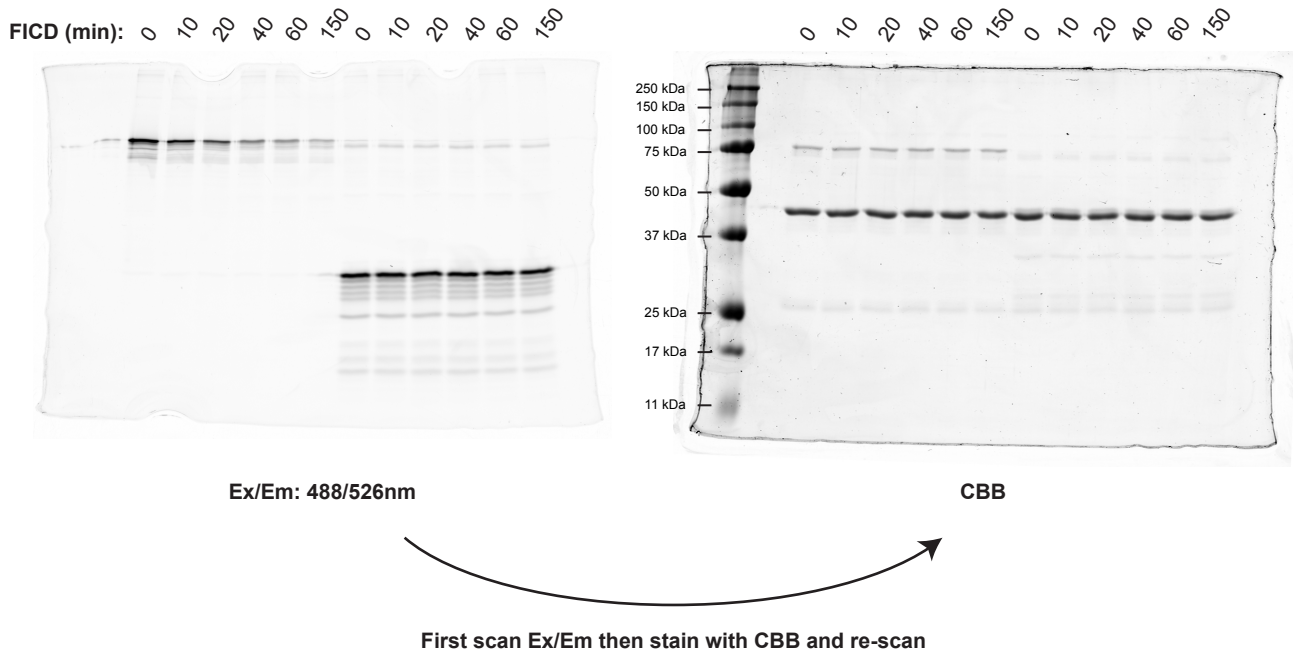
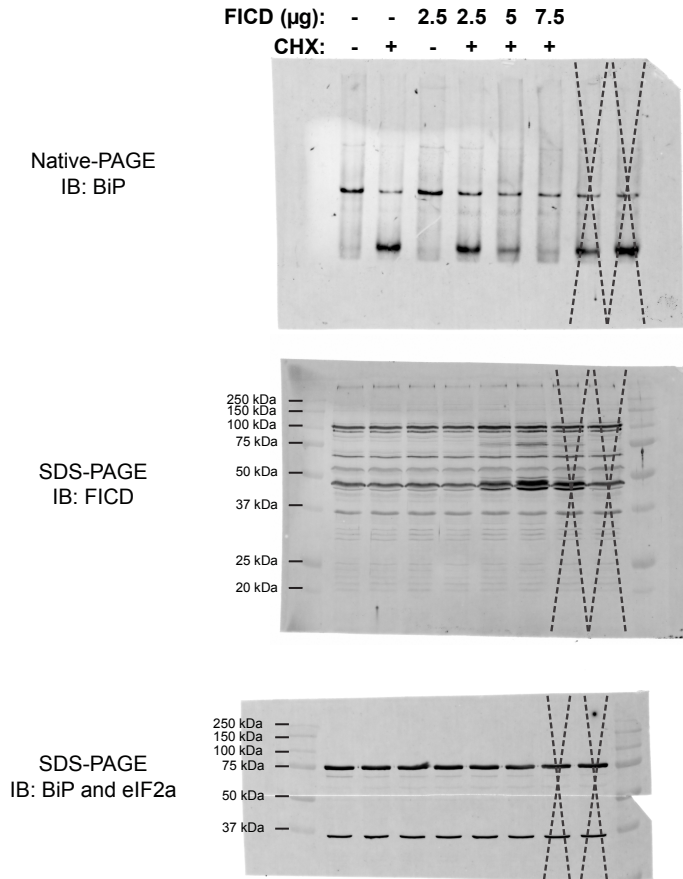
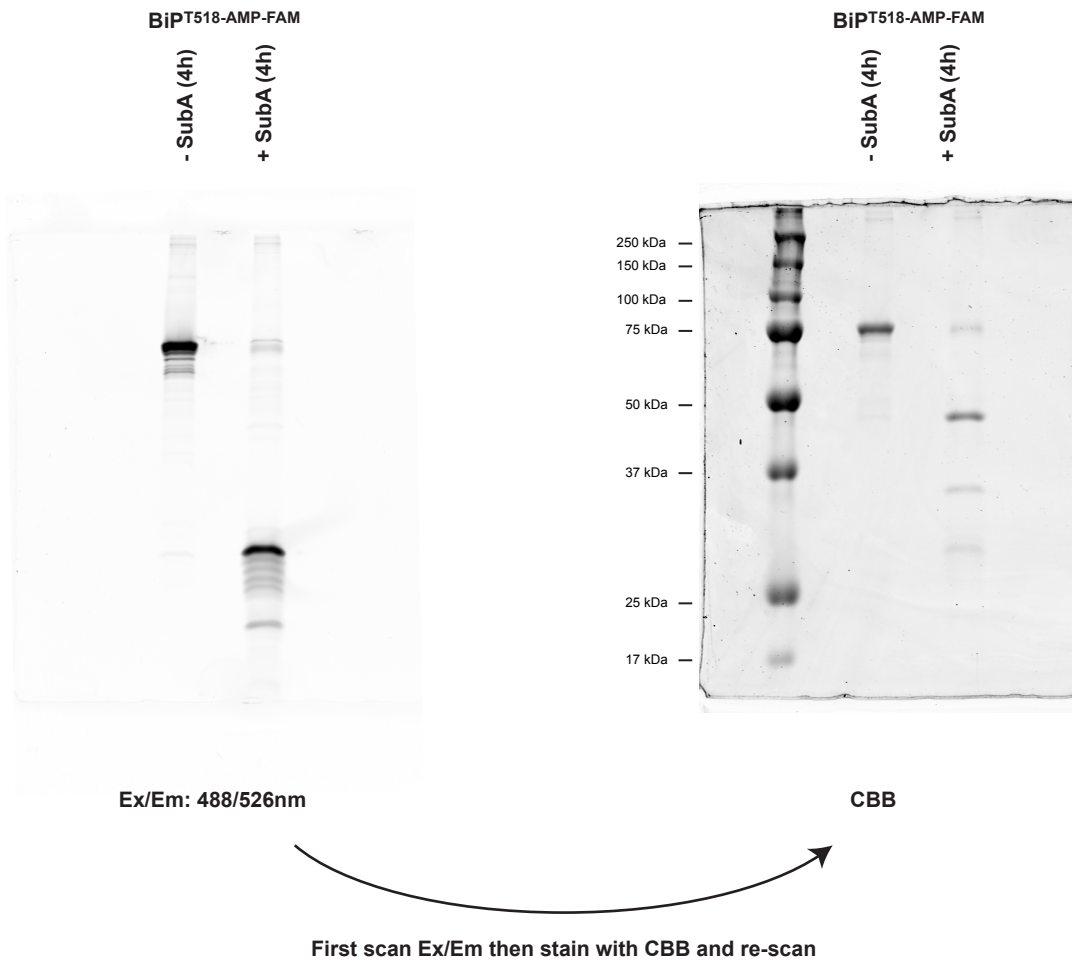


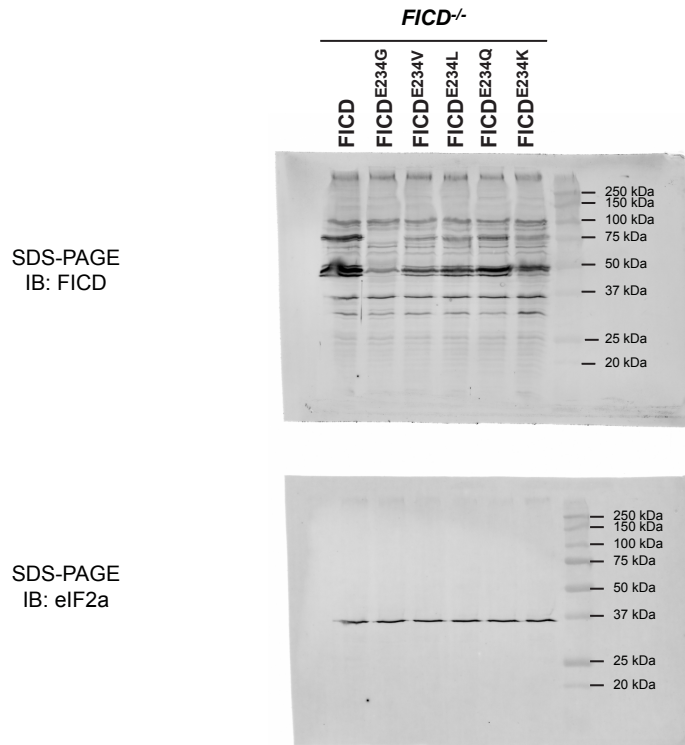
Figure 6a



Supplementary Figure 1a



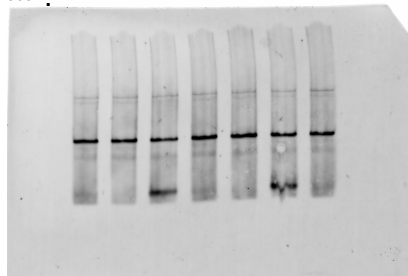
Supplementary Figure 3a



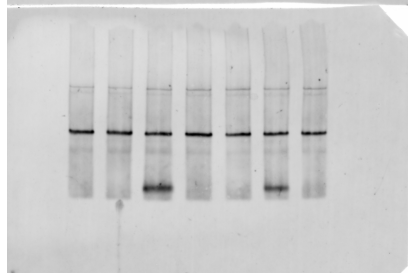
Supplementary Figure 4b

mCherry:	+	+	+	+	-	-	-
FICD:	-	+	-	-	+	-	+
FICDE234G:	-	-	+	-	-	+	+
FICDE234G-H363A:	-	-	-	+	+	+	-

Native-PAGE
IB: BiP

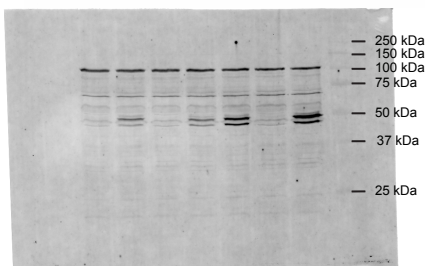


wt

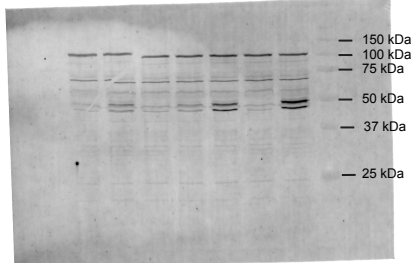


FICD^{-/-}

SDS-PAGE
IB: FICD

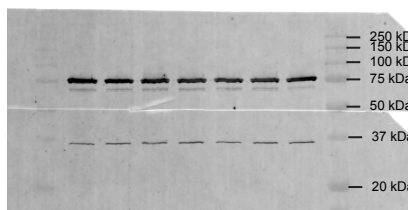


wt

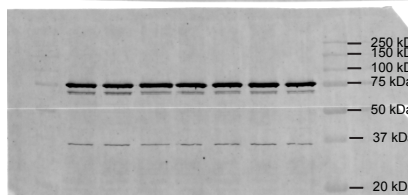


FICD^{-/-}

SDS-PAGE
IB: BiP and eIF2a



wt



FICD^{-/-}