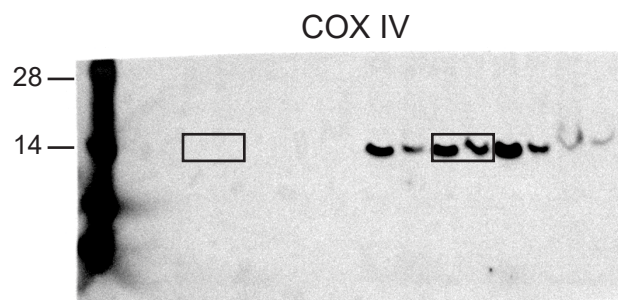
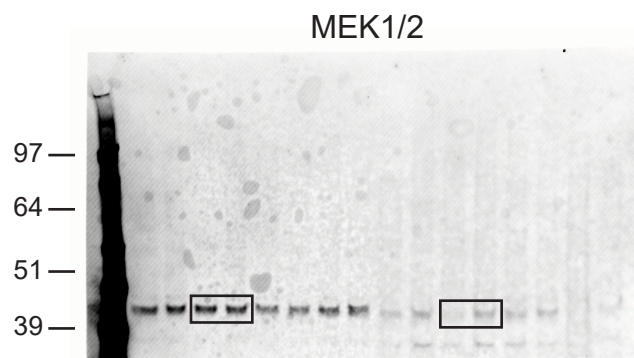
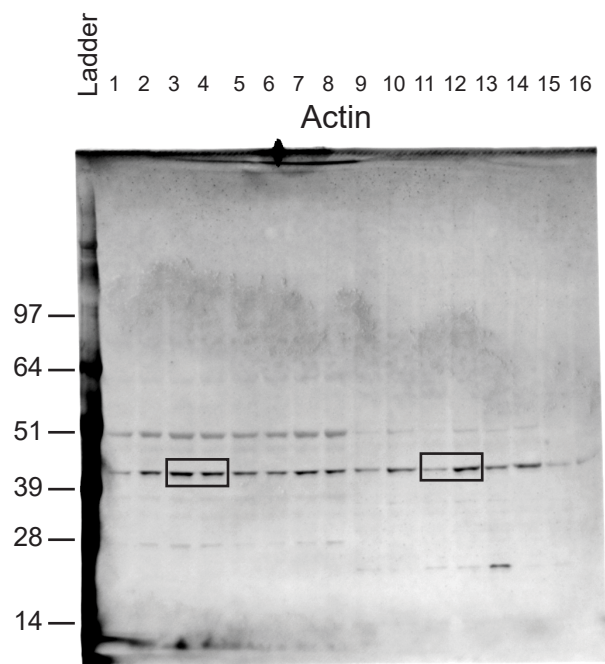


Lane
 1: GST Sample #1
 2: GJA1-20k Sample #1
 3: GST Sample #2
 4: GJA1-20k Sample #2
 5: GST Sample #3
 6: GJA1-20k Sample #3
 7: GST Sample #4
 8: GJA1-20k Sample #4
 9: GST Sample #5
 10: GJA1-20k Sample #5

Uncropped membrane images. Surrounded area are used for Main Figure 2.

Same order in all membrane

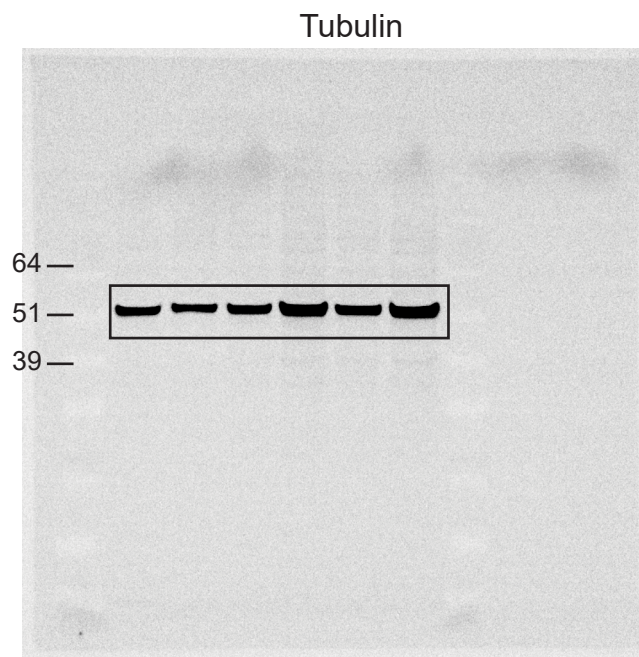
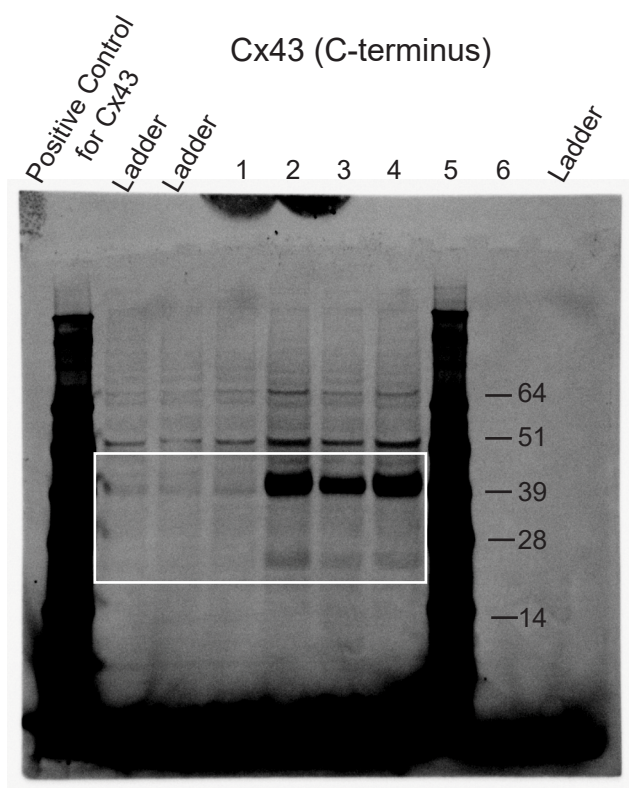


Lane

- 1: GST Sample #1 (Cytosol)
- 2: GJA1-20k Sample #1 (Cytosol)
- 3: GST Sample #2 (Cytosol)
- 4: GJA1-20k Sample #2 (Cytosol)
- 5: GST Sample #3 (Cytosol)
- 6: GJA1-20k Sample #3 (Cytosol)
- 7: GST Sample #4 (Cytosol)
- 8: GJA1-20k Sample #4 (Cytosol)
- 9: GST Sample #1 (Mitochondria)
- 10: GJA1-20k Sample #1 (Mitochondria)
- 11: GST Sample #2 (Mitochondria)
- 12: GJA1-20k Sample #2 (Mitochondria)
- 13: GST Sample #3 (Mitochondria)
- 14: GJA1-20k Sample #3 (Mitochondria)
- 15: GST Sample #4 (Mitochondria)
- 16: GJA1-20k Sample #4 (Mitochondria)

Same order in all membrane

Uncropped membrane images. Surrounded area are used for Main Figure 3.

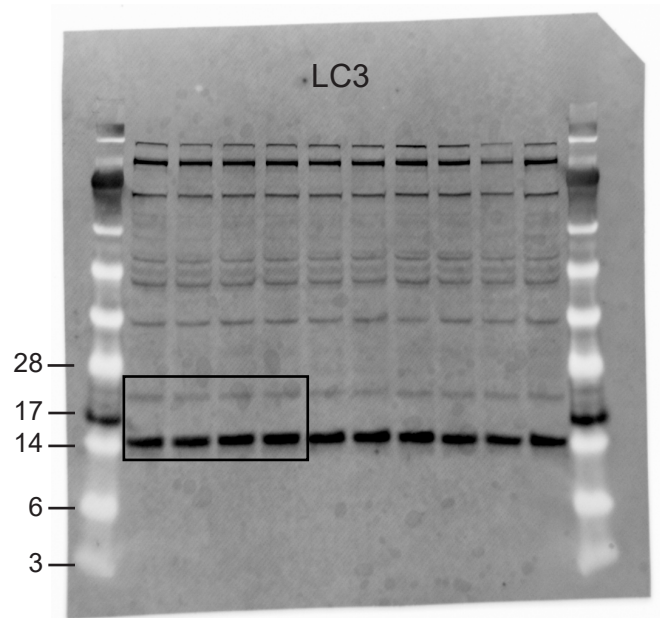
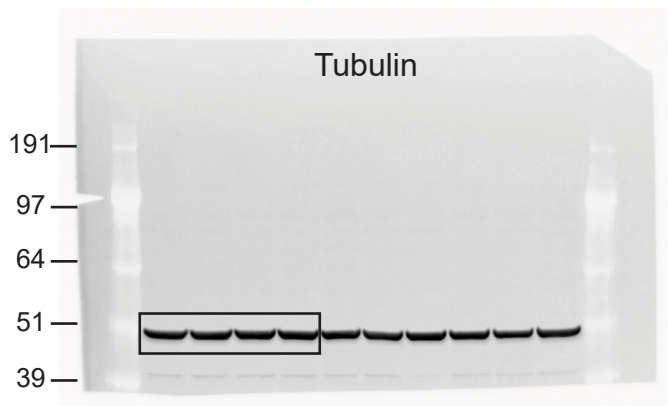
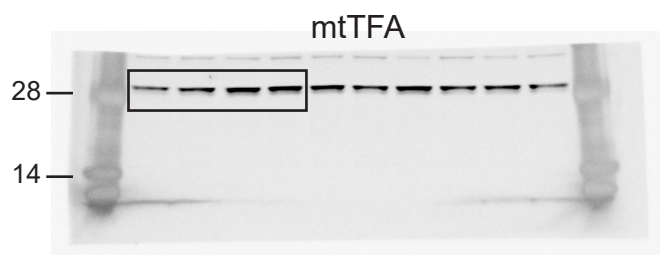
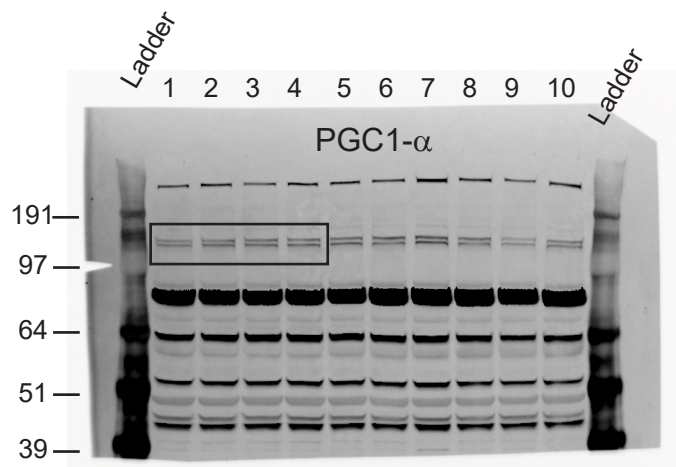


Lane

- 1: Gja1 siRNA Sample #1
- 2: Gja1 siRNA Sample #2
- 3: Gja1 siRNA Sample #3
- 4: Control siRNA Sample #1
- 5: Control siRNA Sample #2
- 6: Control siRNA Sample #3

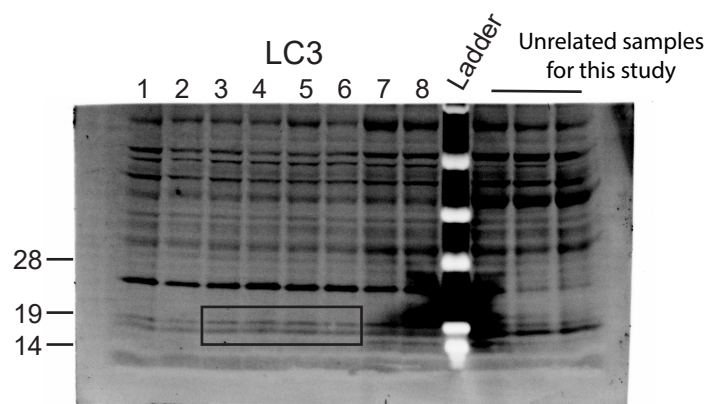
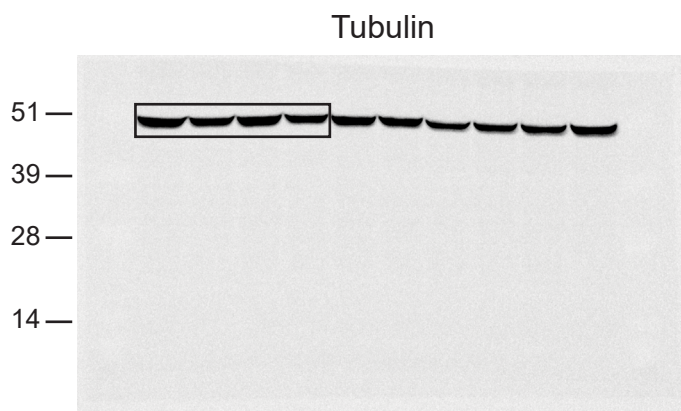
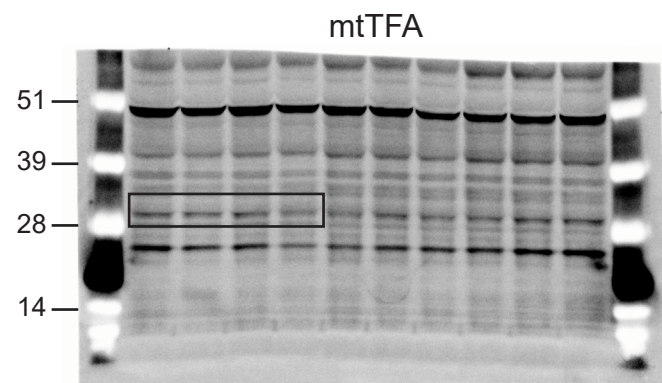
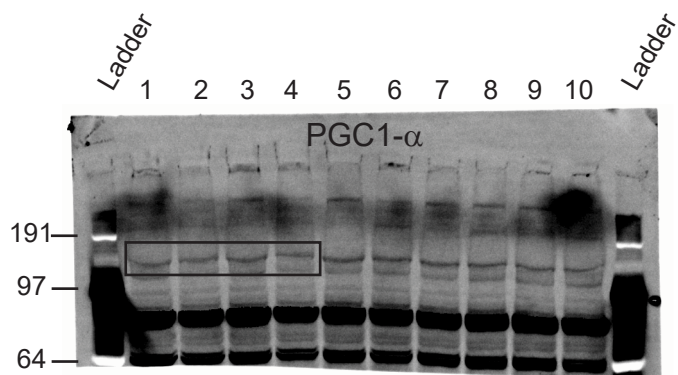
Same order in all membrane

Uncropped membrane images. Surrounded area are used for Figure 1—figure supplement 1.



Lane

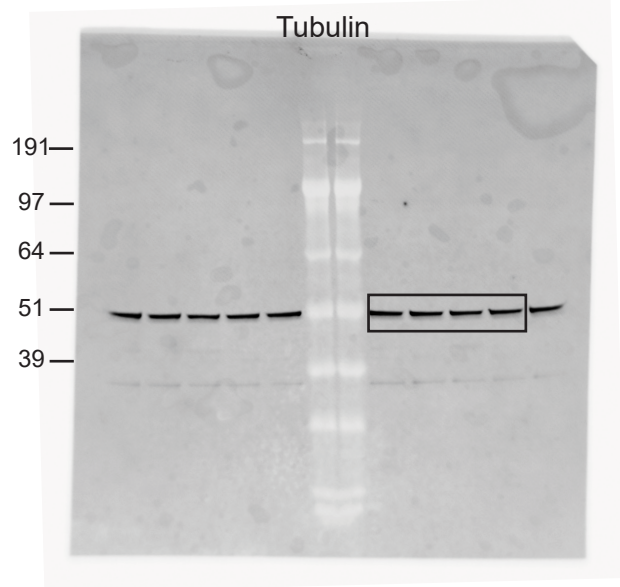
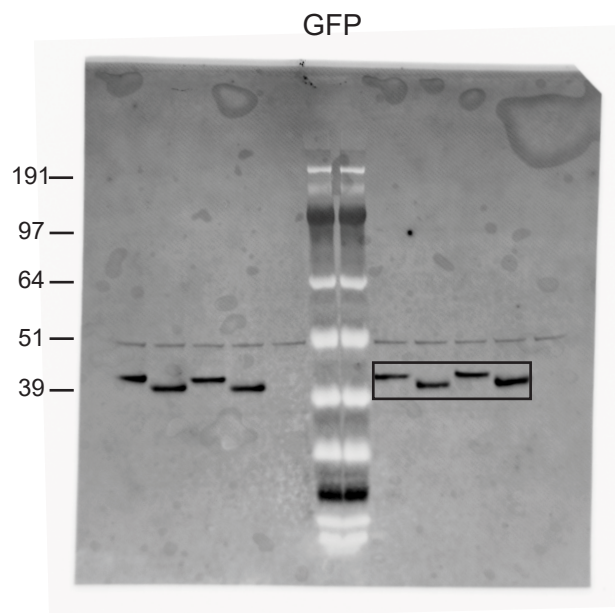
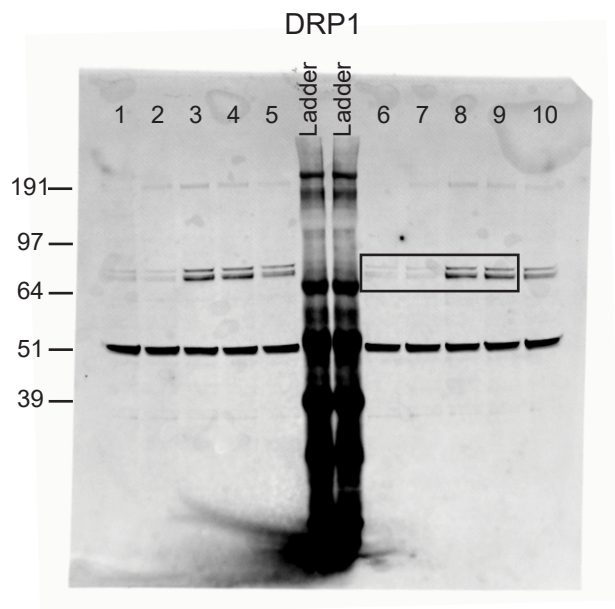
1: GST Sample #1	6: GJA1-20k Sample #3
2: GJA1-20k Sample #1	7: GST Sample #4
3: GST Sample #2	8: GJA1-20k Sample #4
4: GJA1-20k Sample #2	9: GST Sample #5
5: GST Sample #3	10: GJA1-20k Sample #5



Lane

1: WT Sample #1	6: Gja1 ^{M213L/M231L} Sample #3
2: Gja1 ^{M213L/M231L} Sample #1	7: WT Sample #4
3: WT Sample #2	8: Gja1 ^{M213L/M231L} Sample #4
4: Gja1 ^{M213L/M231L} Sample #2	9: WT Sample #5
5: WT Sample #3	10: Gja1 ^{M213L/M231L} Sample #5

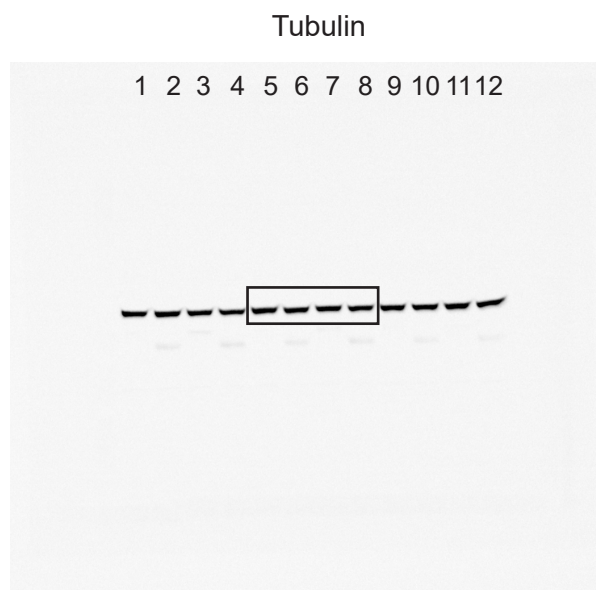
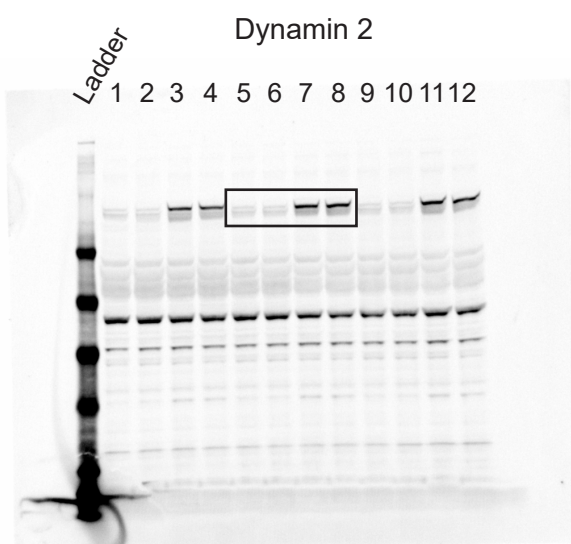
Uncropped membrane images. Surrounded area are used for Figure1—figure supplement 2.



Lane

- 1: GST + DRP1 siRNA Sample #1
- 2: GJA1-20k + DRP1 siRNA Sample #1
- 3: GST + Control siRNA Sample #1
- 4: GJA1-20k + Control siRNA Sample #1
- 5: Blank Control (no transfection, no siRNA)
- 6: GST + DRP1 siRNA Sample #2
- 7: GJA1-20k + DRP1 siRNA Sample #2
- 8: GST + Control siRNA Sample #2
- 9: GJA1-20k + Control siRNA Sample #2
- 10: Blank Control (no transfection, no siRNA)

Same order in all membrane



Lane

- 1: GST + DNM2 siRNA Sample #1
- 2: GJA1-20k + DNM2 siRNA Sample #1
- 3: GST + Control siRNA Sample #1
- 4: GJA1-20k + Control siRNA Sample #1

- 5: GST + DNM2 siRNA Sample #2
- 6: GJA1-20k + DNM2 siRNA Sample #2
- 7: GST + Control siRNA Sample #2
- 8: GJA1-20k + Control siRNA Sample #2

- 9: GST + DNM2 siRNA Sample #3
- 10: GJA1-20k + DNM2 siRNA Sample #3
- 11: GST + Control siRNA Sample #3
- 12: GJA1-20k + Control siRNA Sample #3

Uncropped membrane images. Surrounded area are used for Figure 2—figure supplement 1.