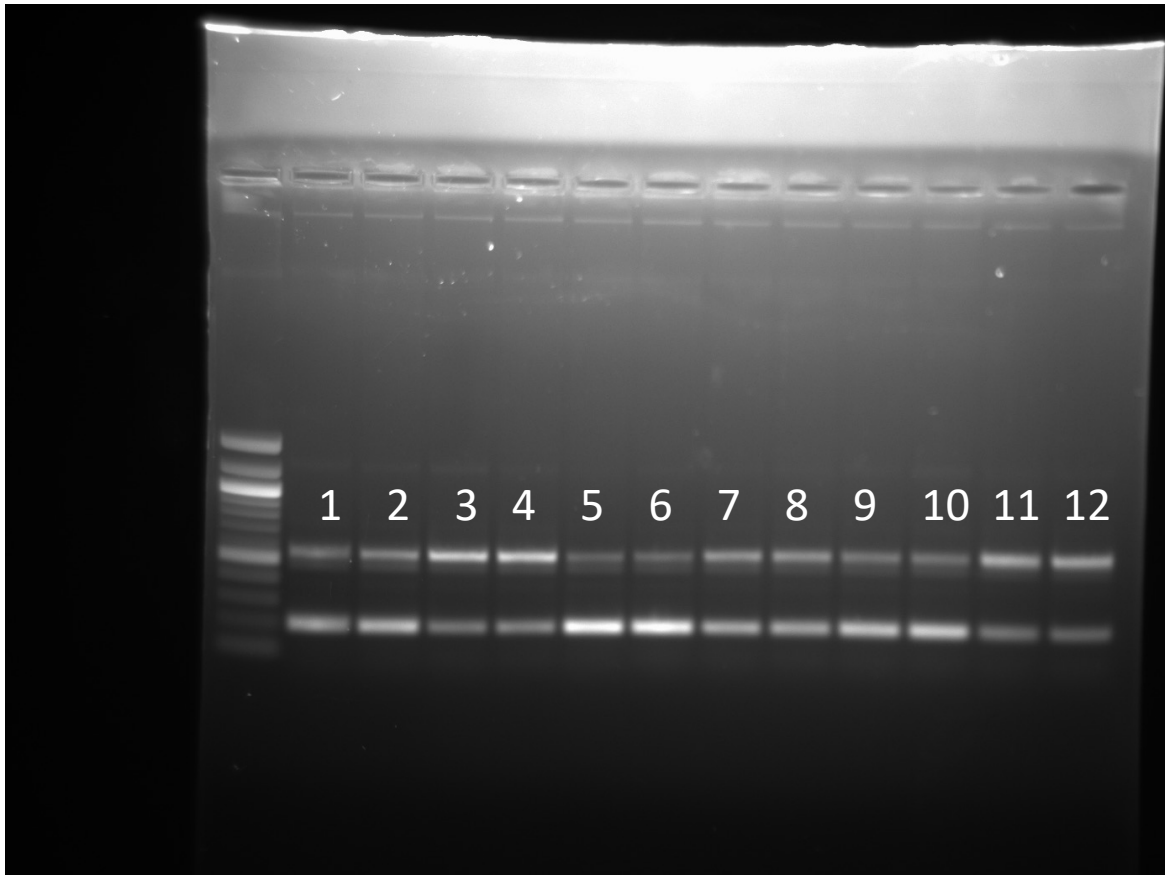
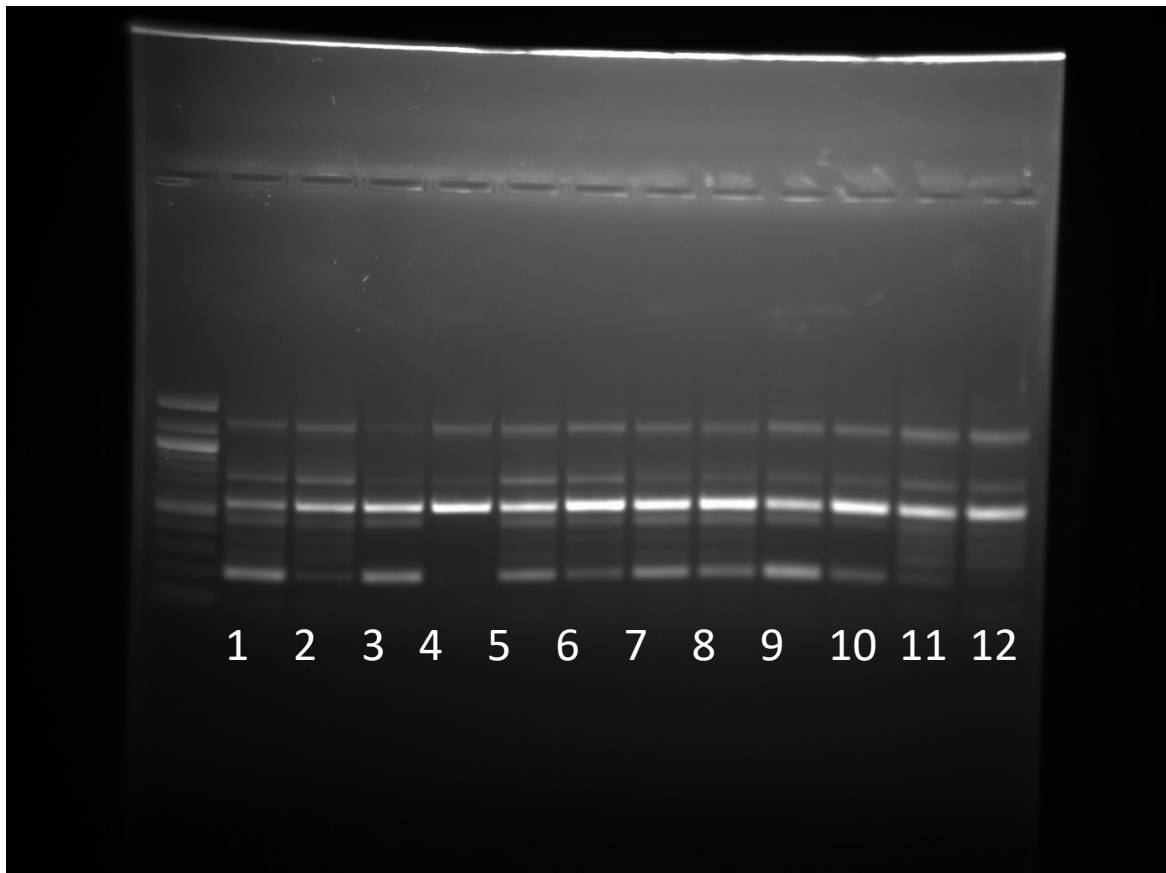


Full unedited gel for Fig 4e (agarose gel)



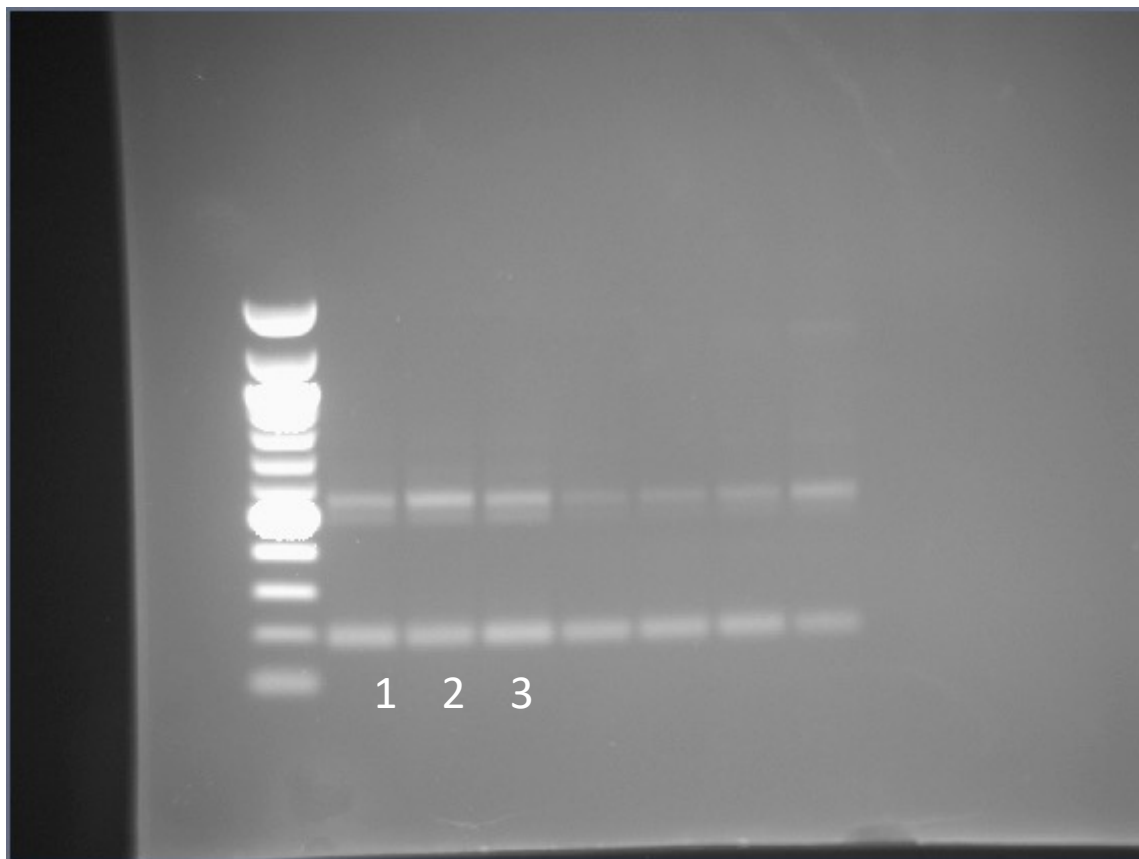
Lane 1: WT, DMSO
Lane 2: WT, DMSO
Lane 3: WT, CHIR
Lane 4: WT, CHIR
Lane 5: SRSF2^{P95H/+}, DMSO
Lane 6: SRSF2^{P95H/+}, DMSO
Lane 7: SRSF2^{P95H/+}, CHIR
Lane 8: SRSF2^{P95H/+}, CHIR
Lane 9: SF3B1^{K700E/+}, DMSO
Lane 10: SF3B1^{K700E/+}, DMSO
Lane 11: SF3B1^{K700E/+}, CHIR
Lane 12: SF3B1^{K700E/+}, CHIR

Full unedited gel for Fig 4f (agarose gel)



- Lane 1: Normal CD34+, patient#1, DMSO
- Lane 2: Normal CD34+, patient#1, CHIR
- Lane 3: Normal CD34+, patient#2, DMSO
- Lane 4: Normal CD34+, patient#2, CHIR
- Lane 5: AML, patient#1, DMSO
- Lane 6: AML, patient#1, CHIR
- Lane 7: AML, patient#2, DMSO
- Lane 8: AML, patient#2, CHIR
- Lane 9: CMML, patient#1, DMSO
- Lane 10: CMML, patient#1, CHIR
- Lane 11: CMML, patient#2, DMSO
- Lane 12: CMML, patient#2, CHIR

Full unedited gel for Fig 4g (agarose gel)

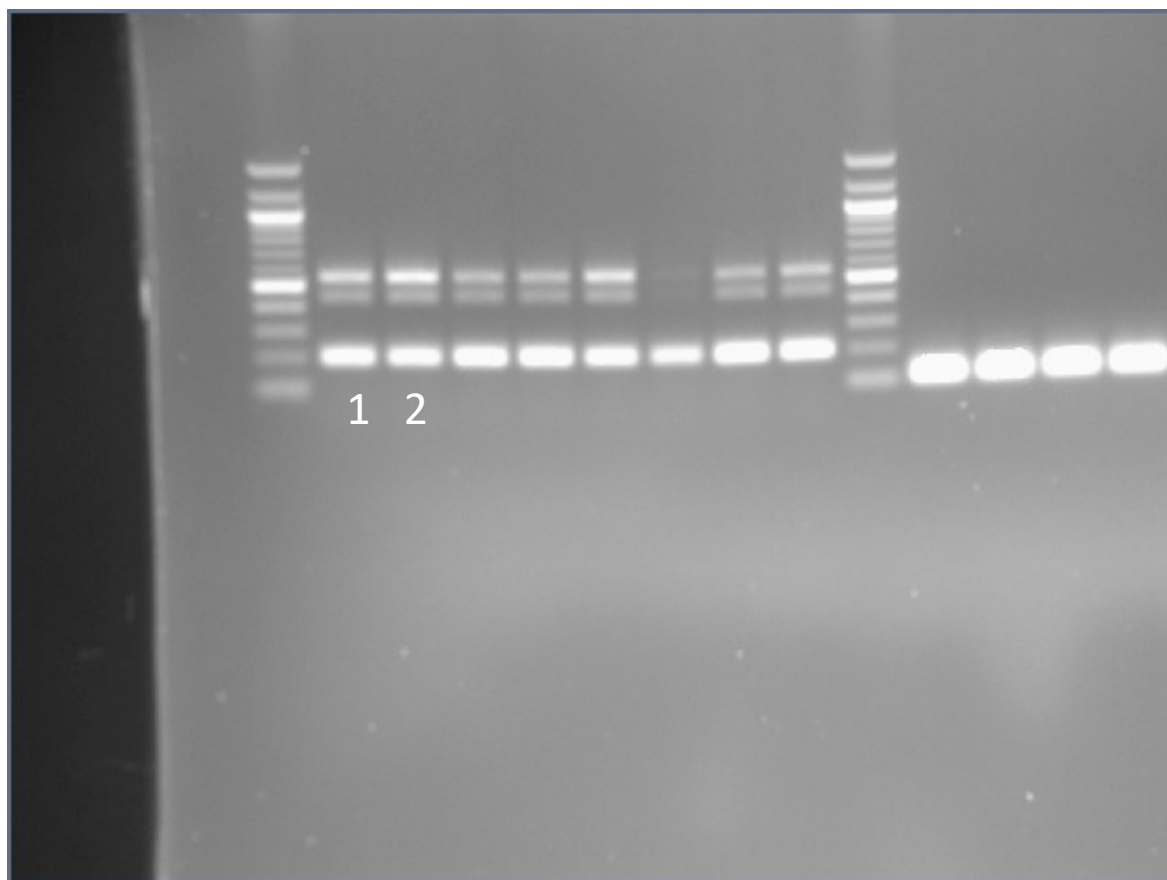


Lane 1: WT

Lane 2: DKO

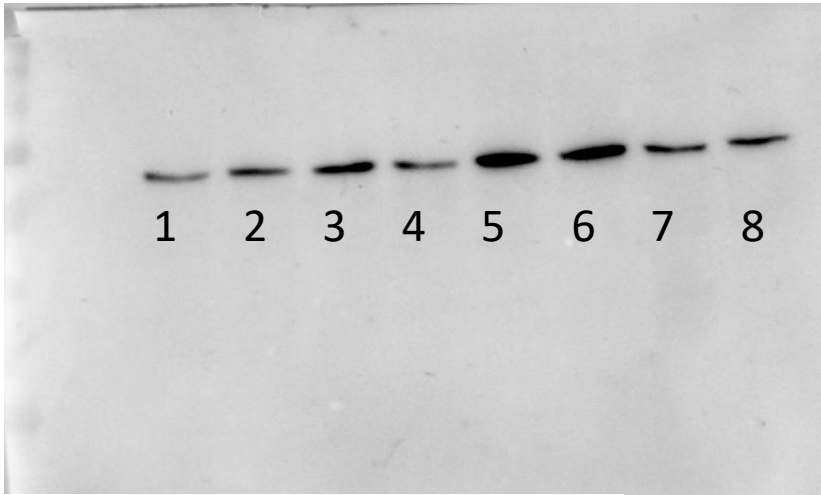
Lane 3: DKO+GSK-3 β

Full unedited gel for Fig 4h (agarose gel)



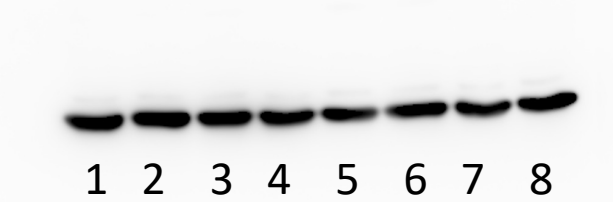
Lane 1: shNT
Lane 2: shUPF1

Full unedited gel for Figure 5e (Western blot)

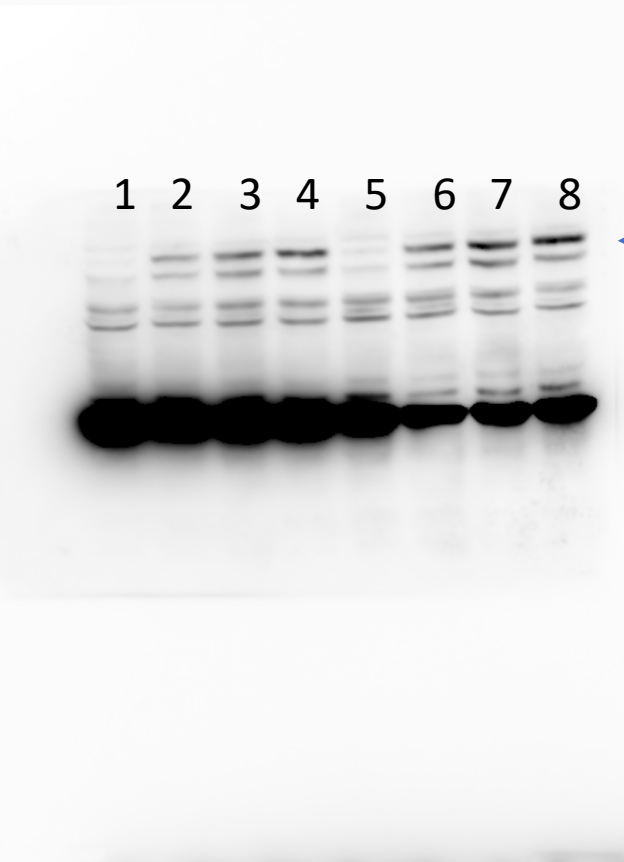


← PINK1 (Invitrogen, PA5-86941)

- Lane 1: WT
- Lane 2: WT, CHIR, 2h
- Lane 3: WT, CHIR, 8h
- Lane 4: WT, CHIR, 24h
- Lane 5: *SRSF2*^{P95H/+}
- Lane 6: *SRSF2*^{P95H/+}, CHIR, 2h
- Lane 7: *SRSF2*^{P95H/+}, CHIR, 8h
- Lane 8: *SRSF2*^{P95H/+}, CHIR, 24h

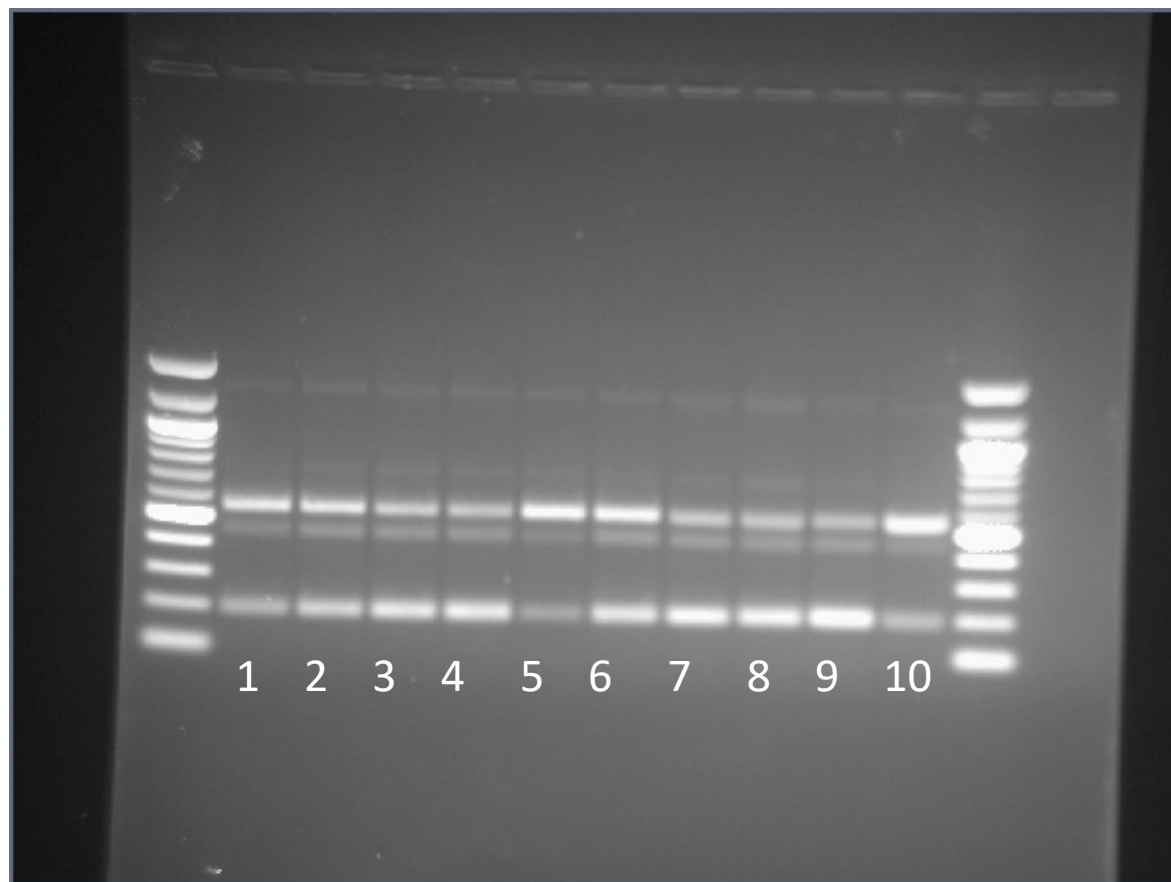


← GAPDH (Ab: CST #2118)



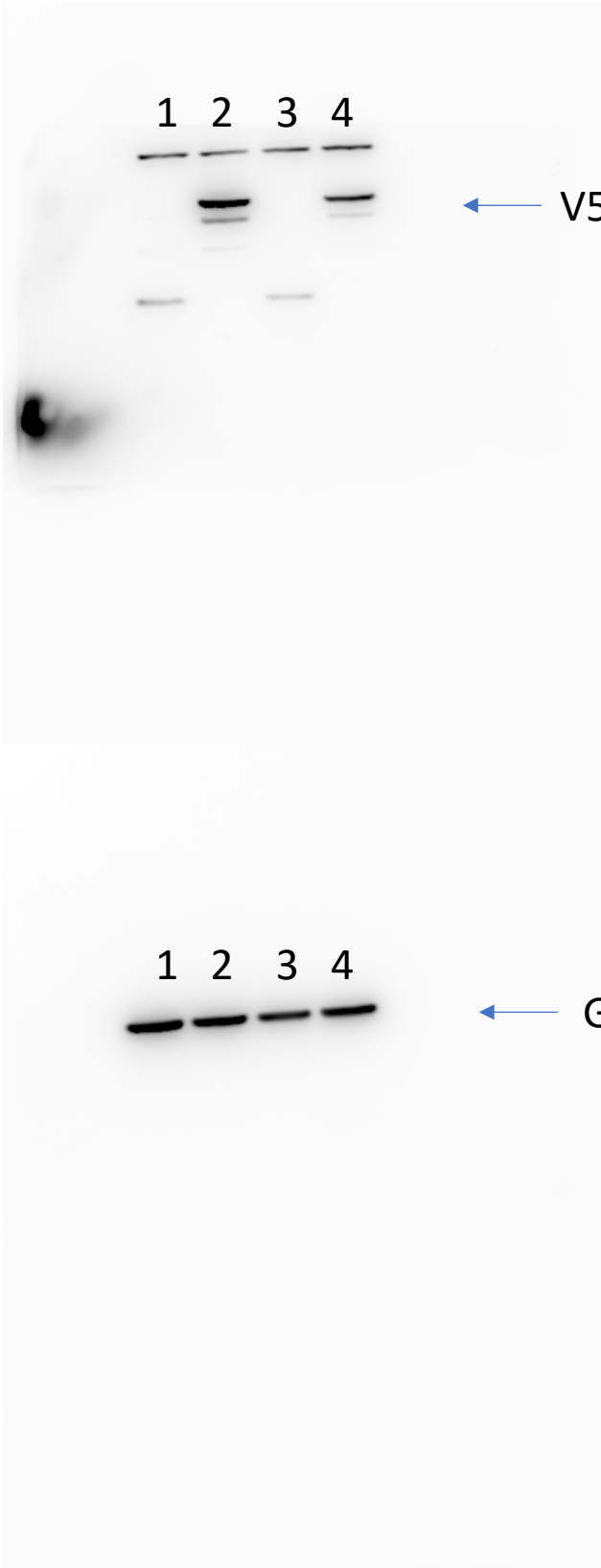
← β-Catenin (Ab: CST #9562)

Full unedited gel for Fig 6k (agarose gel)



Lane 1: WT, DMSO
Lane 2: WT, CCCP 2uM
Lane 3: WT, CCCP 5uM
Lane 4: WT, CCCP 10uM
Lane 5: WT, CHIR
Lane 6: SRSF2^{P95H/+}, DMSO
Lane 7: SRSF2^{P95H/+}, CCCP 2uM
Lane 8: SRSF2^{P95H/+}, CCCP 5uM
Lane 9: SRSF2^{P95H/+}, CCCP 10uM
Lane 10: SRSF2^{P95H/+}, CHIR

Full unedited gel for Figure 7d (Western blot)

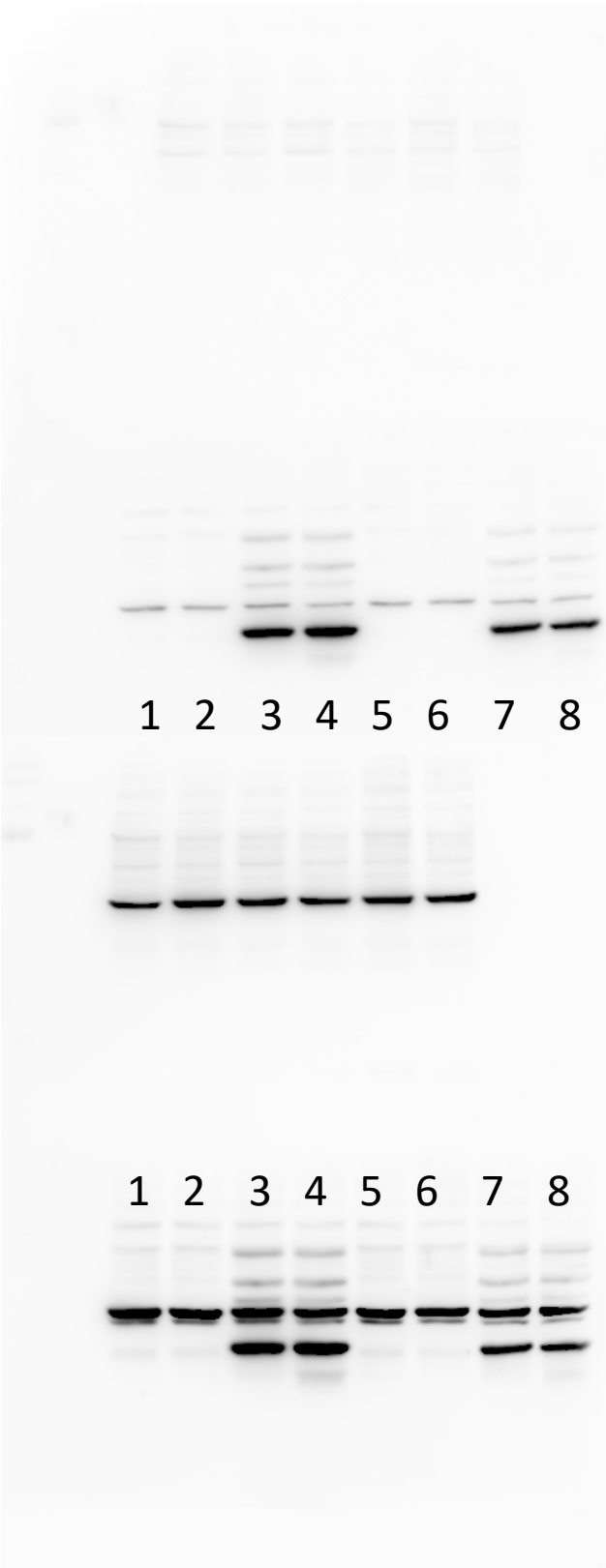


← V5-tag (Ab: CST #13202)

Lane 1: WT, Vector
Lane 2: WT, PINK1-OE
Lane 3: SRSF2^{P95H/+}, Vector
Lane 4: SRSF2^{P95H/+}, PINK1-OE

← GAPDH (Ab: CST #2118)

Full unedited gel for S Fig 1e (Western blot)

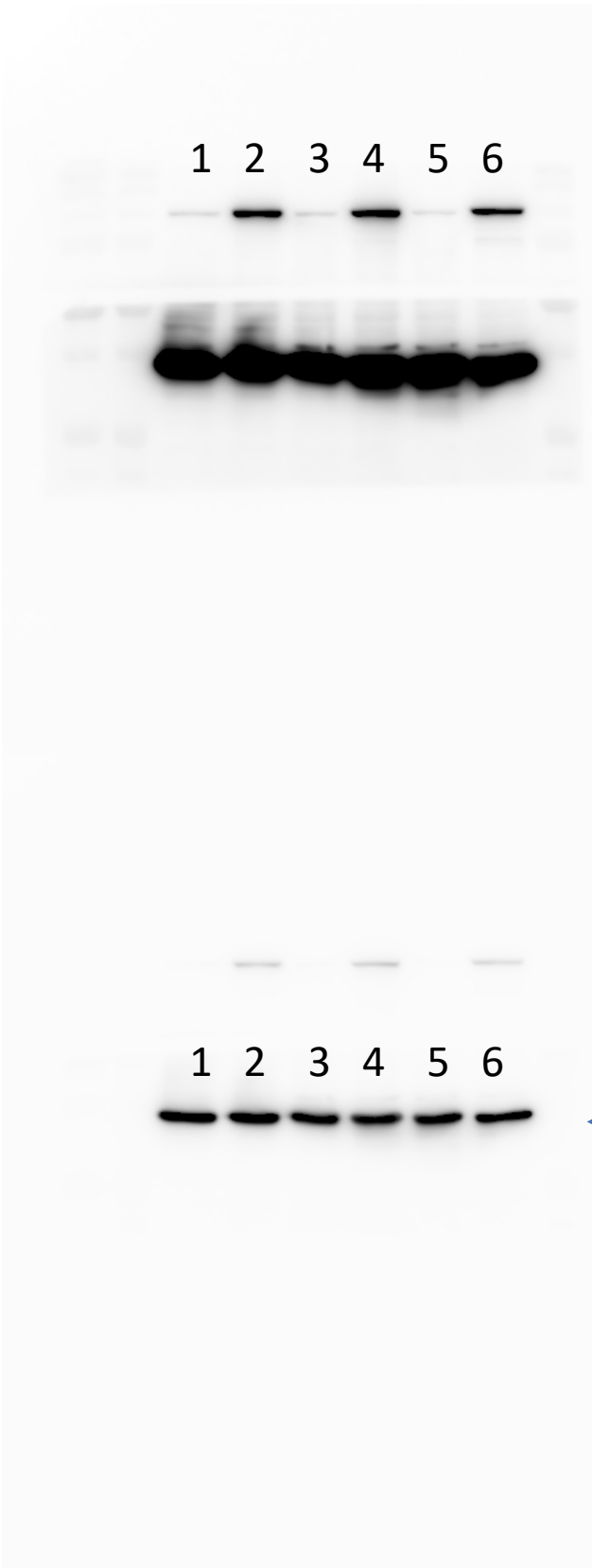


- Lane 1: WT, mCherry-, DMSO
- Lane 2: WT, mCherry-, CHIR
- Lane 3: WT, mCherry+, DMSO
- Lane 4: WT, mCherry+, CHIR
- Lane 5: SRSF2^{P95H/+}, mCherry-, DMSO
- Lane 6: SRSF2^{P95H/+}, mCherry-, CHIR
- Lane 7: SRSF2^{P95H/+}, mCherry+, DMSO
- Lane 8: SRSF2^{P95H/+}, mCherry+, CHIR

← Flag-tag (Ab: CST#14793)

← β-actin (Ab: Sigma, A5441)

Full unedited gel for S Fig 3a (Western blot)

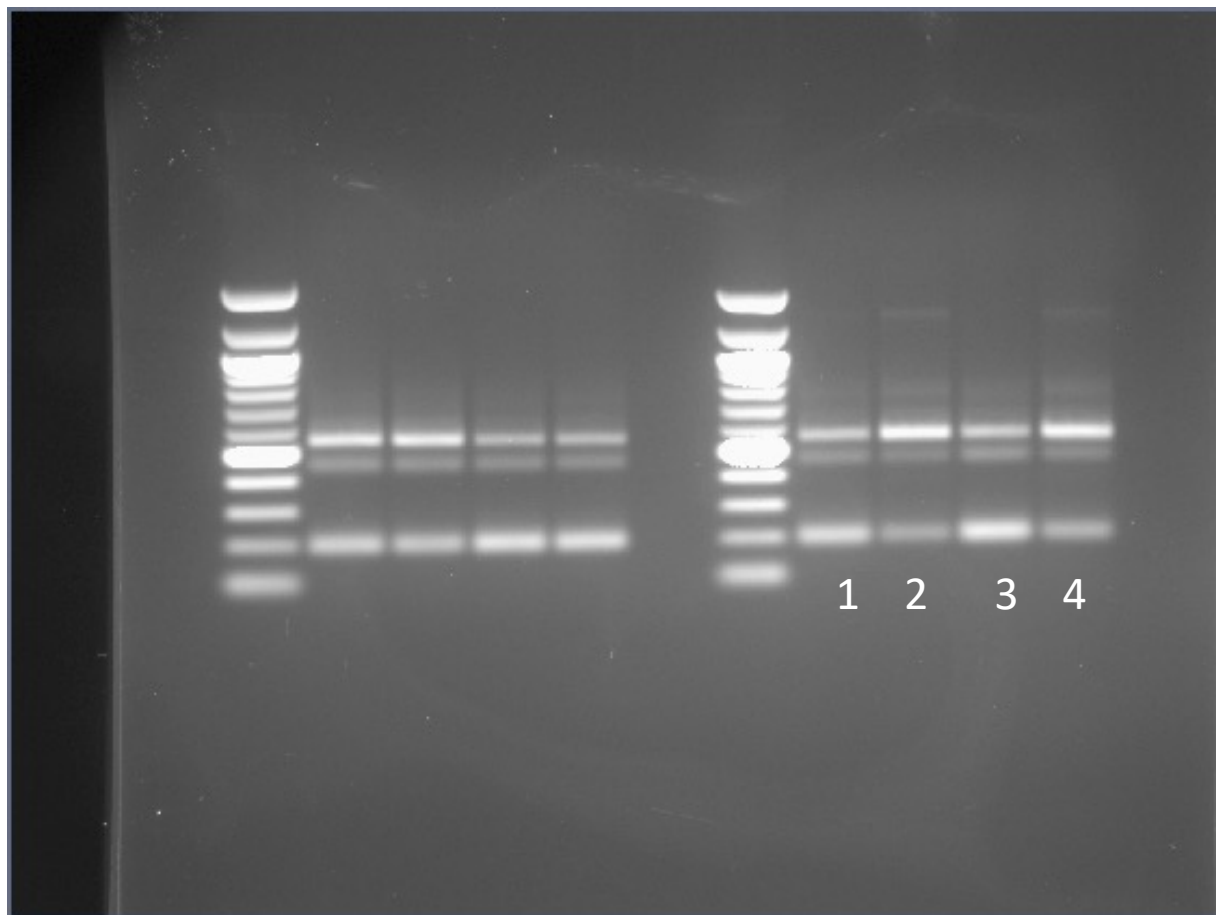


← β-Catenin (Ab: CST #9562)

- Lane 1: WT, DMSO
- Lane 2: WT, CHIR
- Lane 3: SRSF2^{P95H/+}, DMSO
- Lane 4: SRSF2^{P95H/+}, CHIR
- Lane 5: SF3B1^{K700E/+}, DMSO
- Lane 6: SF3B1^{K700E/+}, CHIR

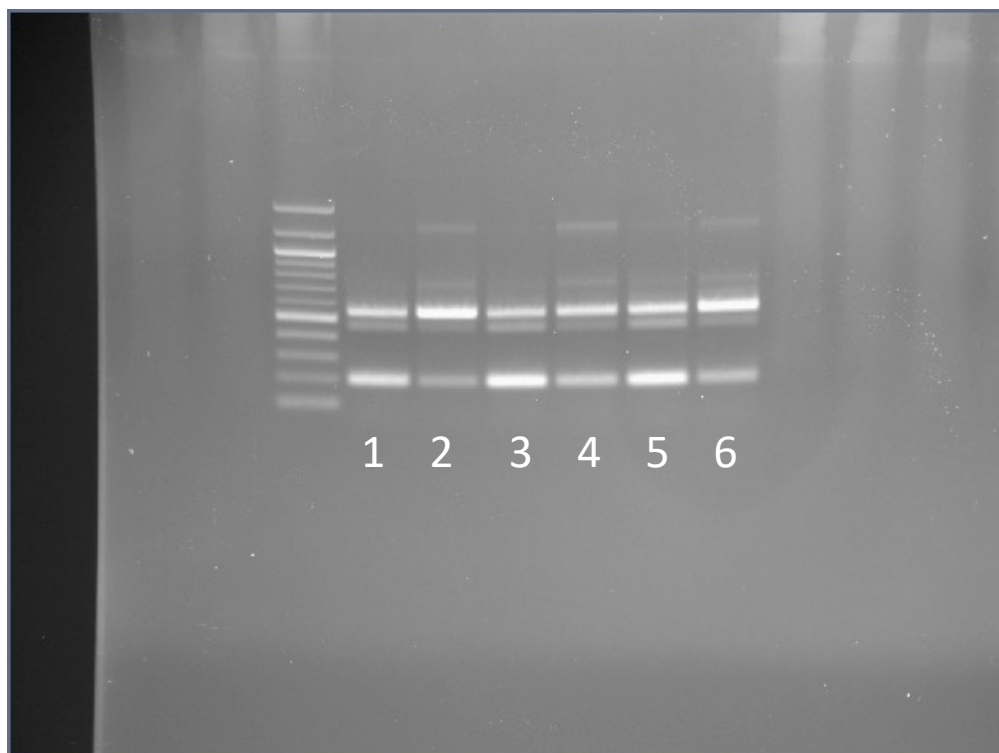
← GAPDH (Ab: CST #2118)

Full unedited gel for S Fig 3a (agarose gel)



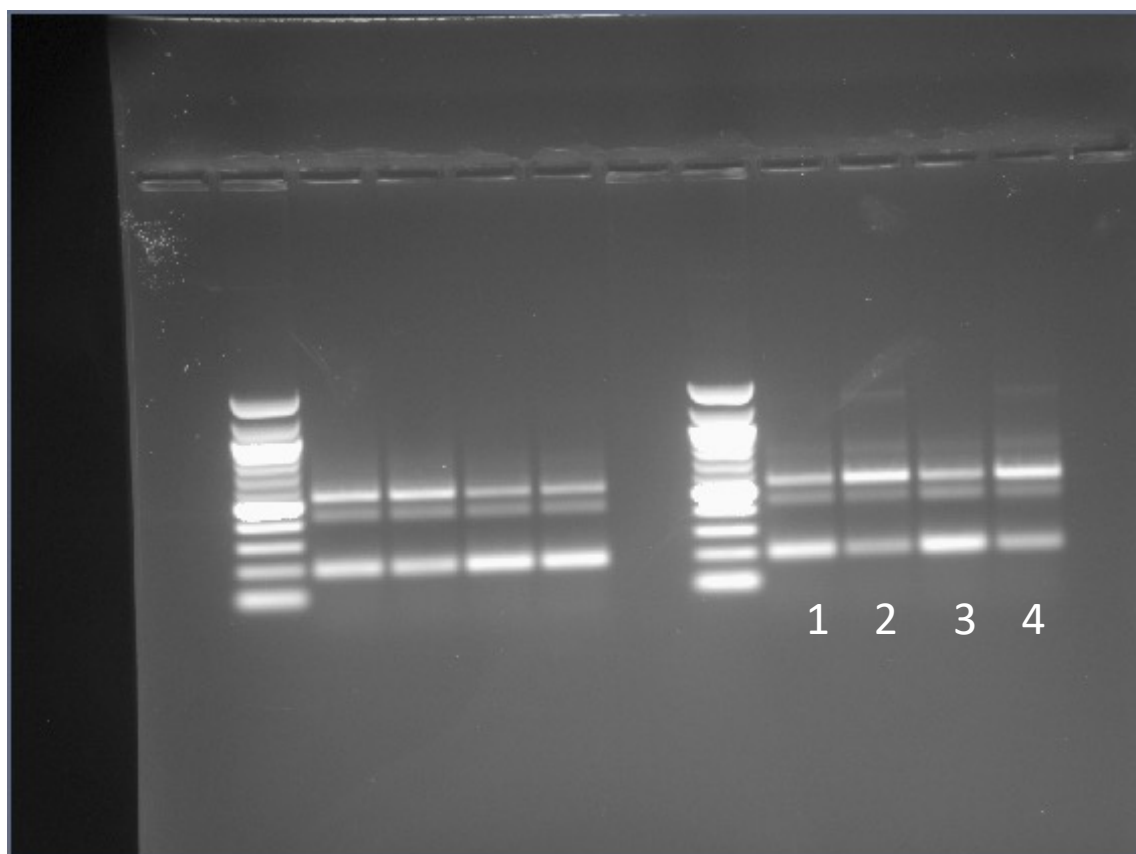
Lane 1: OE-SRSF2^{WT}, DMSO
Lane 2: OE-SRSF2^{WT}, CHIR
Lane 3: OE-SRSF2^{P95H}, DMSO
Lane 4: OE-SRSF2^{P95H}, CHIR

Full unedited gel for S Fig 4 (agarose gel)



Lane 1: WT, DMSO
Lane 2: WT, AR-A014418
Lane 3: SRSF2^{P95H/+}, DMSO
Lane 4: SRSF2^{P95H/+}, AR-A014418
Lane 5: SF3B1^{K700E/+}, DMSO
Lane 6: SF3B1^{K700E/+}, AR-A014418

Full unedited gel for S Fig 5a (agarose gel)



Lane 1: WT-SRSF2 OE, DMSO
Lane 2: WT-SRSF2 OE, CHIR
Lane 3: P95H-SRSF2 OE, DMSO
Lane 4: P95H-SRSF2 OE, CHIR