

Figure 3, Supplementary Figure 6A-B

Trial 1:

anti-PACT (film, chemiluminescence)

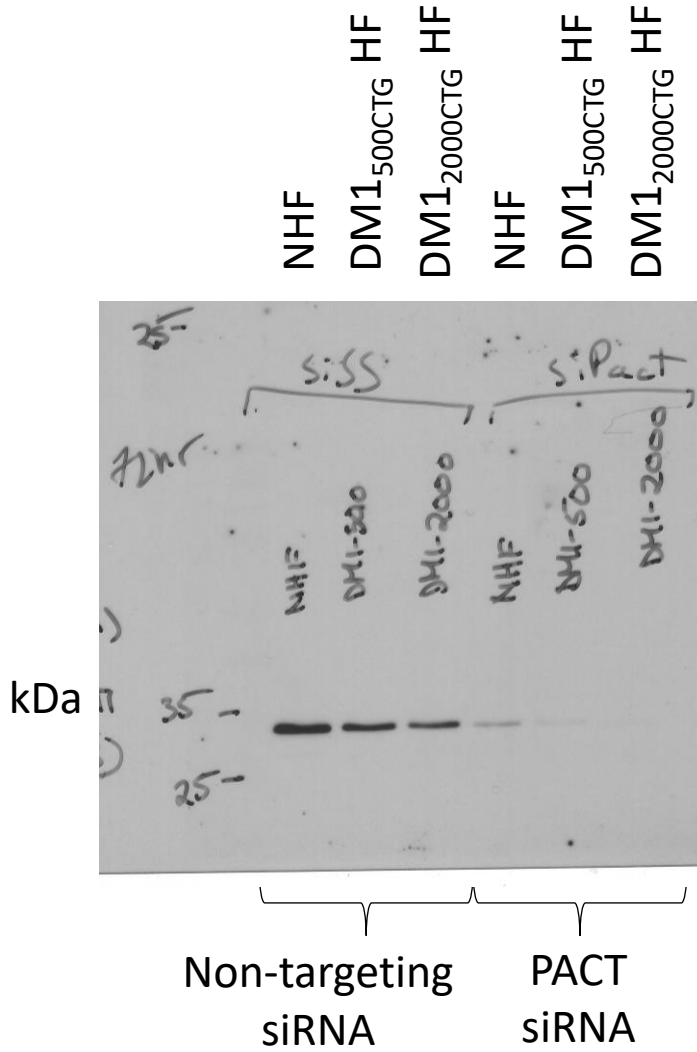


Figure 3, Supplementary Figure 6A-B

Trial 1:

anti-MBNL1 (film, chemiluminescence)

(exposure A used for quantification; exposure B used to show markings for the ladder size reference)

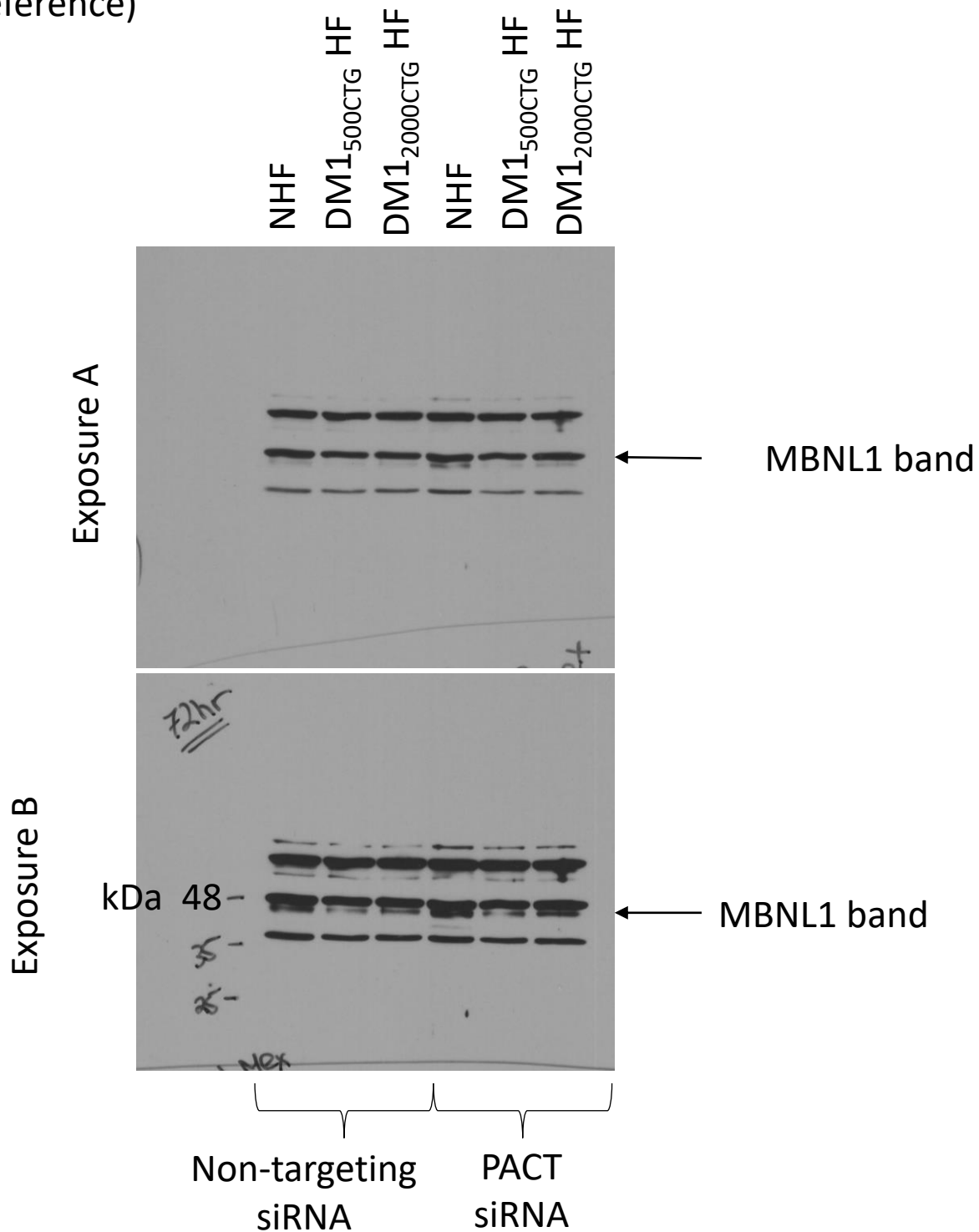


Figure 3, Supplementary Figure 6A-B

Trial 1:

anti-HSP90 (film, chemiluminescence)

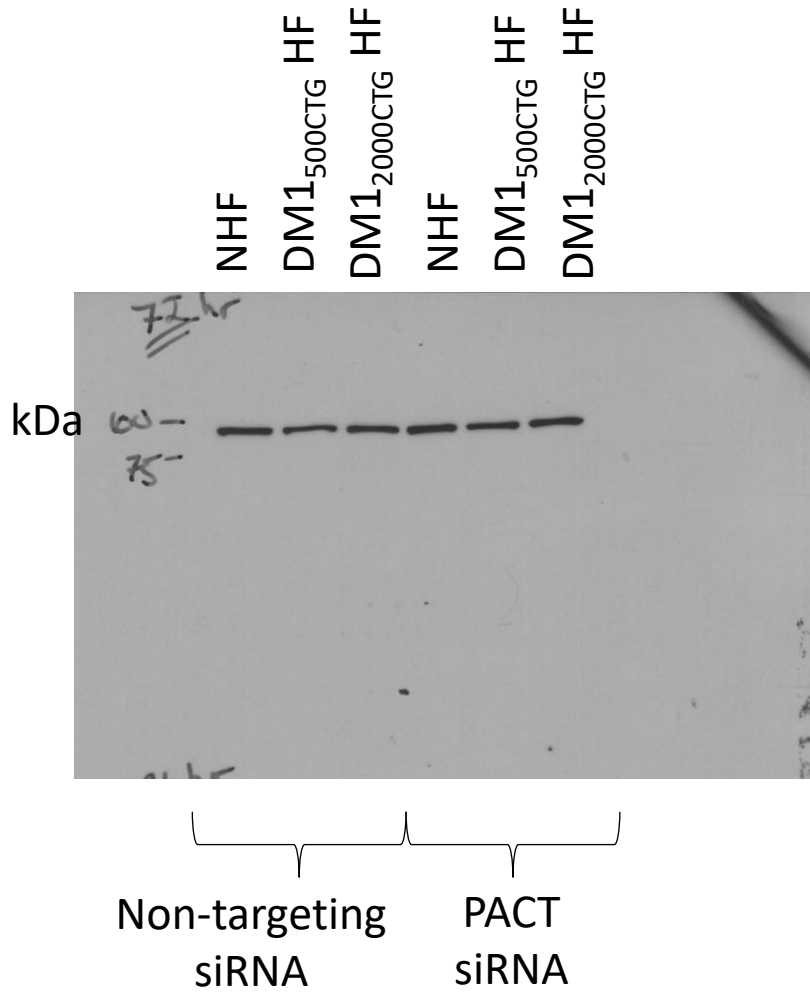


Figure 3, Supplementary Figure 6A-B

Trial 2:

anti-PACT (film, chemiluminescence)

SS = Non-targeting siRNA

PACT = PACT siRNA

*blot shows time-course of 24hr, 48hr, 72hr and 96hr siRNA treatment, but only 72hr bands were used in quantification

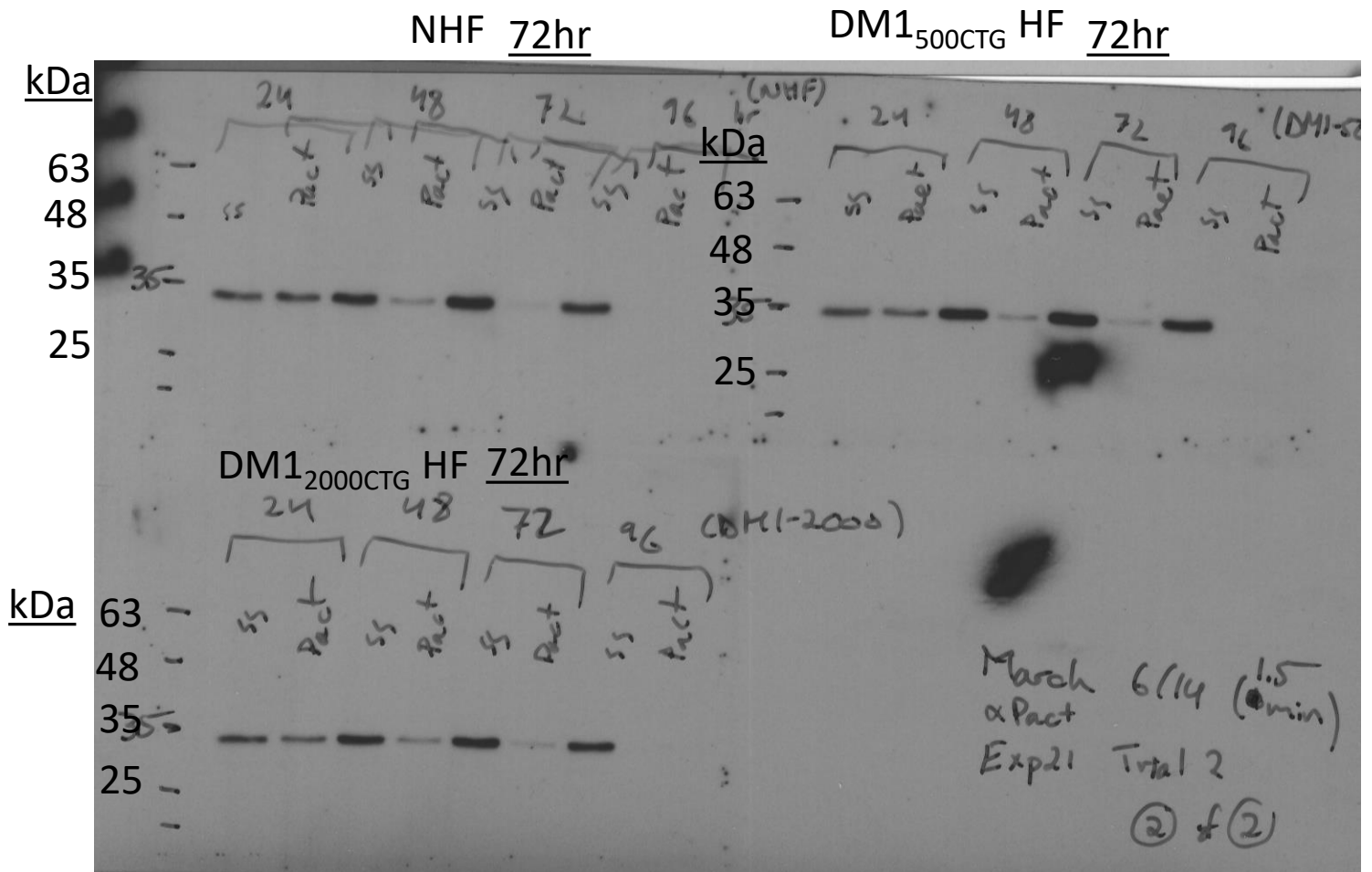


Figure 3, Supplementary Figure 6A-B

Trial 2:

anti-MBNL1 (film, chemiluminescence)

Ss = Non-targeting siRNA

PACT = PACT siRNA

*blot shows time-course of 24hr, 48hr, 72hr and 96hr siRNA treatment, but only 72hr bands were used in quantification

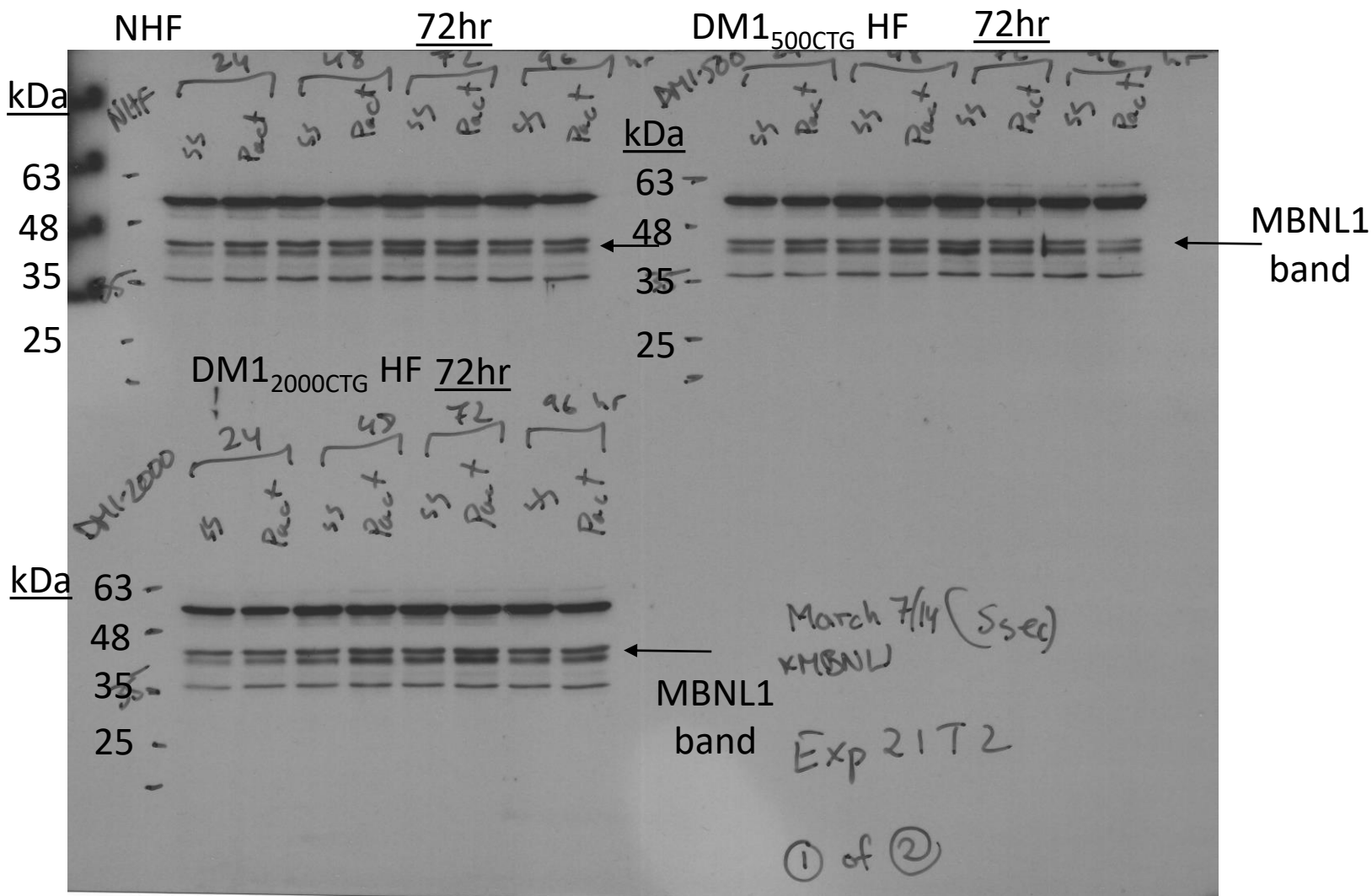


Figure 3, Supplementary Figure 6A-B

Trial 2:

anti-HSP90 (film, chemiluminescence)

Ss = Non-targeting siRNA

P = PACT siRNA

*blot shows time-course of 24hr, 48hr, 72hr and 96hr siRNA treatment, but only 72hr bands were used in quantification

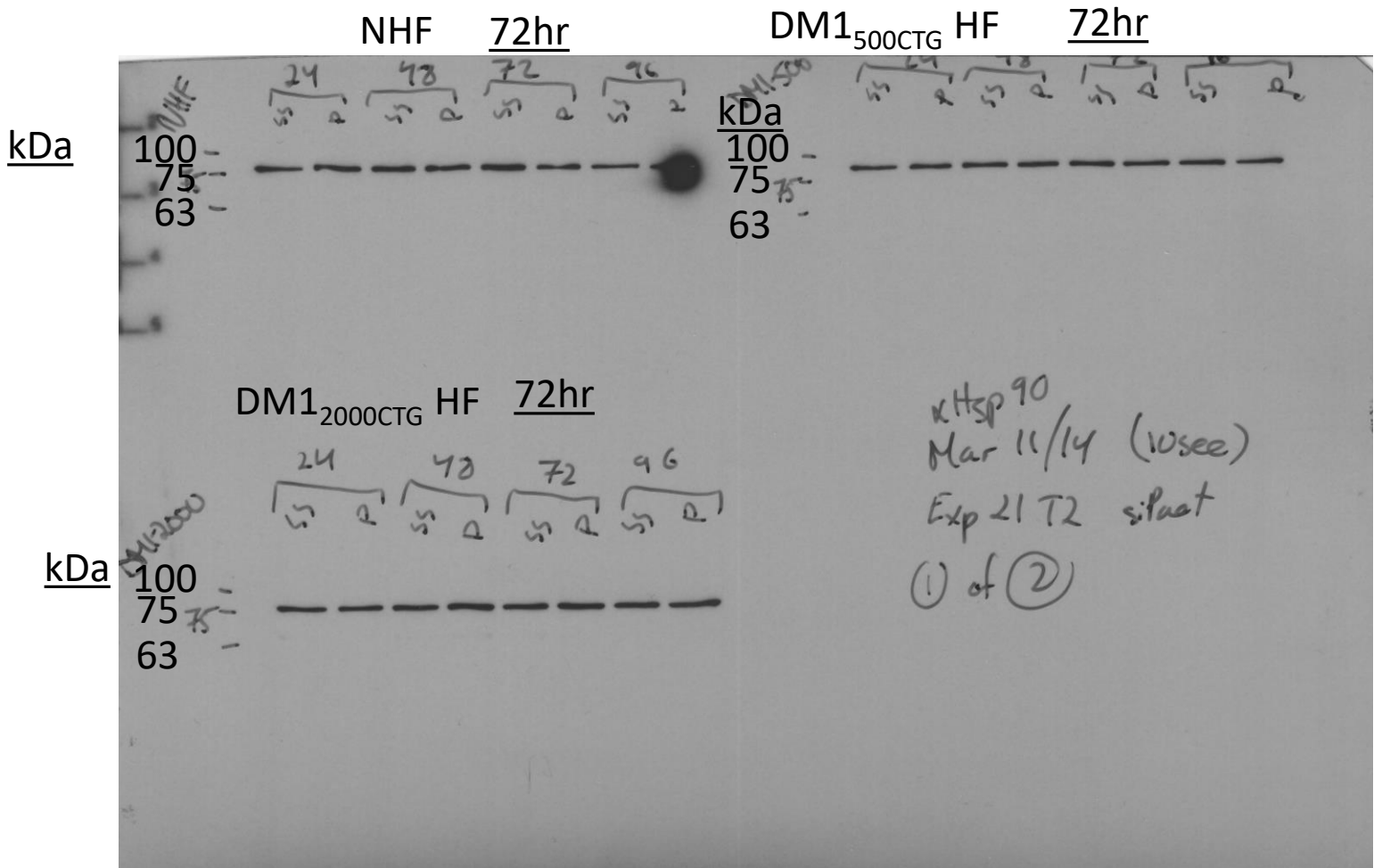


Figure 3, Supplementary Figure 6A-B

Trial 3:

anti-PACT (film, chemiluminescence)

SS = Non-targeting siRNA

PACT = PACT siRNA

*blot shows time-course of 24hr, 48hr, 72hr and 96hr siRNA treatment, but only 72hr bands were used in quantification

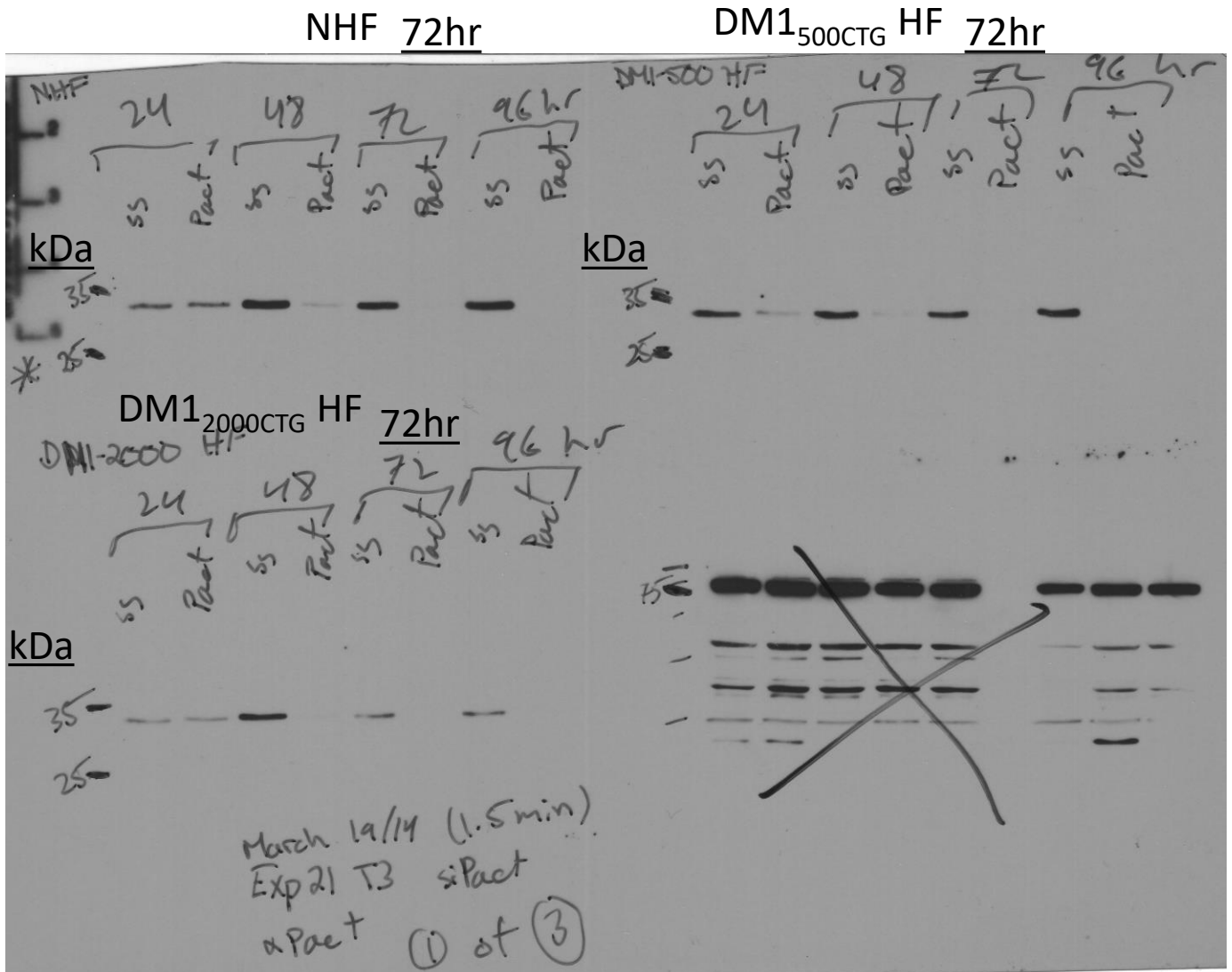


Figure 3, Supplementary Figure 6A-B

Trial 3:

anti-MBNL1 (film, chemiluminescence)

C = Non-targeting siRNA

PACT = PACT siRNA

*blot shows time-course of 24hr, 48hr, 72hr and 96hr siRNA treatment, but only 72hr bands were used in quantification

* Check mark indicates MBNL1 bands

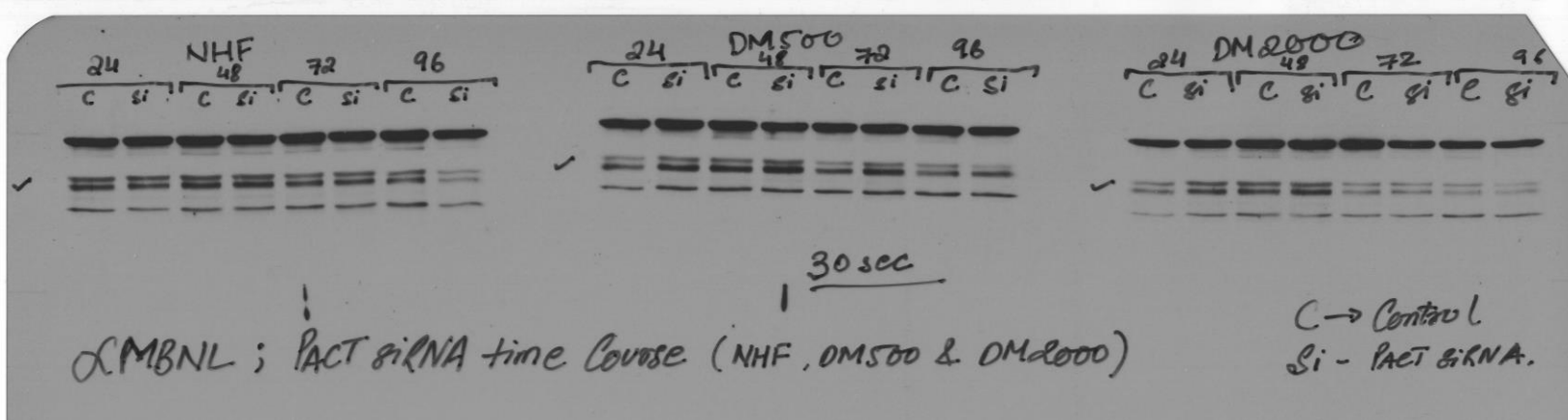


Figure 3, Supplementary Figure 6A-B

Trial 3:

anti-HSP90 (film, chemiluminescence)

ss = Non-targeting siRNA

PACT = PACT siRNA

*blot shows time-course of 24hr, 48hr, 72hr and 96hr siRNA treatment, but only 72hr bands were used in quantification

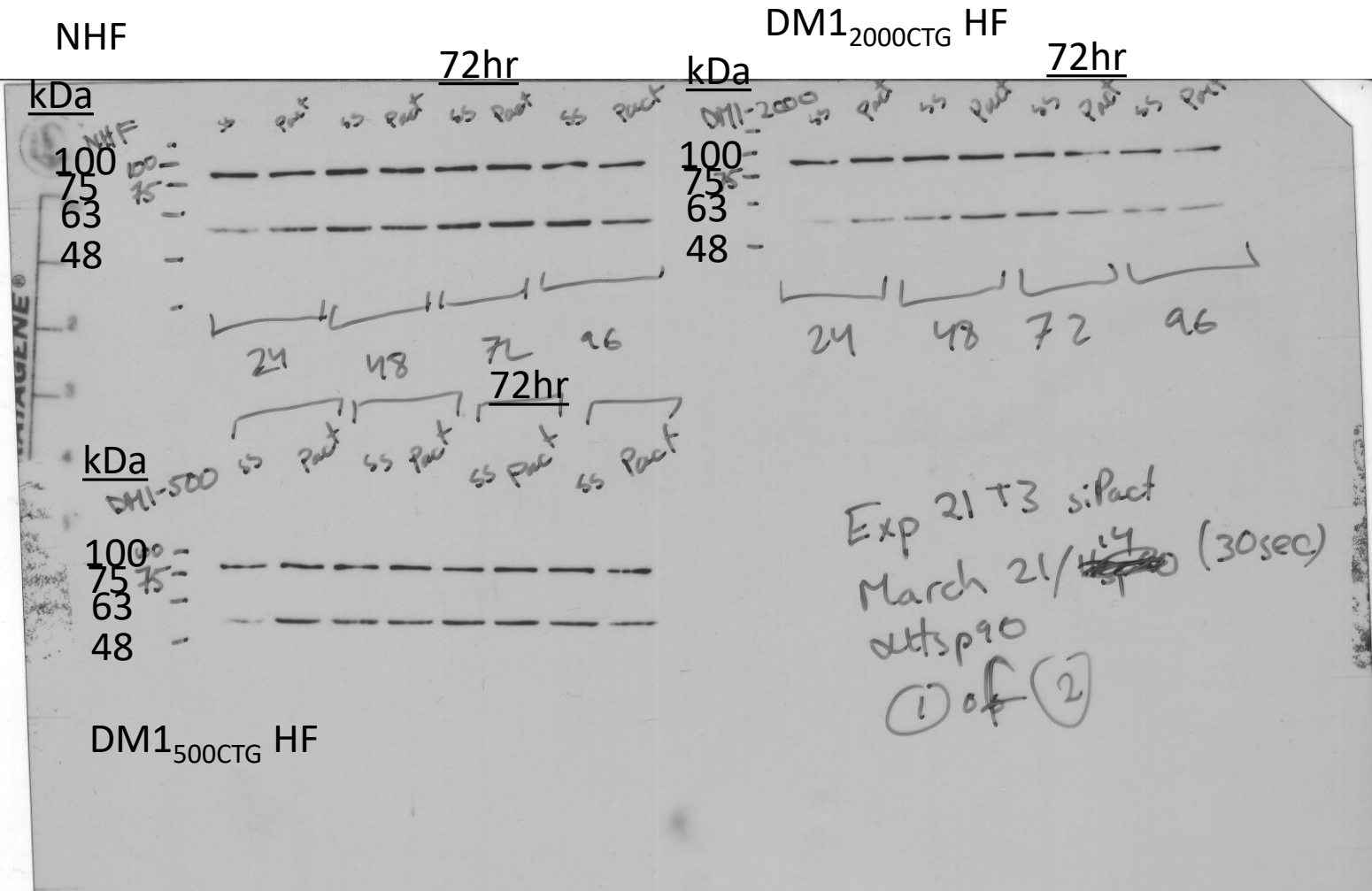


Figure 3, Supplementary Figure 3, Supplementary Figure 6A-B

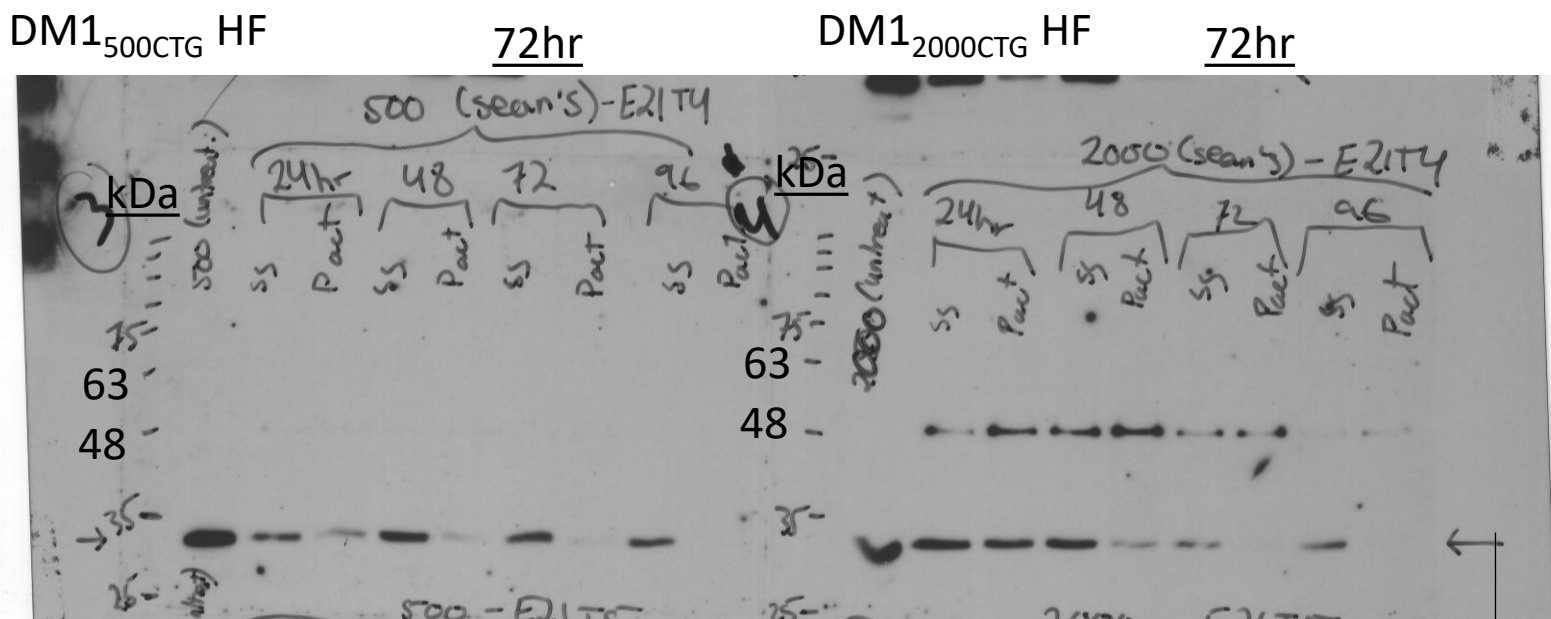
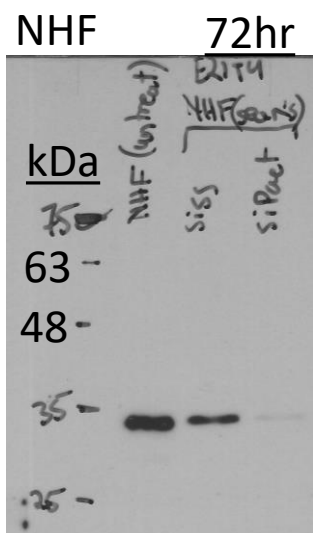
Trial 4:

anti-PACT (film, chemiluminescence)

SS = Non-targeting siRNA

PACT = PACT siRNA

*blot shows time-course of 24hr, 48hr, 72hr and 96hr siRNA treatment, but only 72hr bands were used in quantification



PACT band

Figure 3, Supplementary Figure 6A-B

Trial 4:

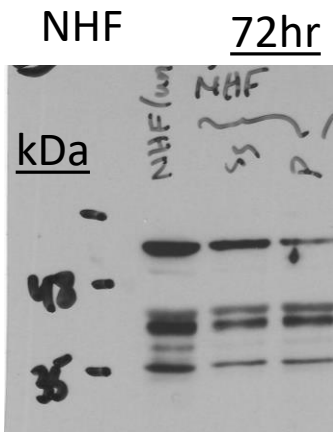
anti-MBNL1 (film, chemiluminescence)

ss = Non-targeting siRNA

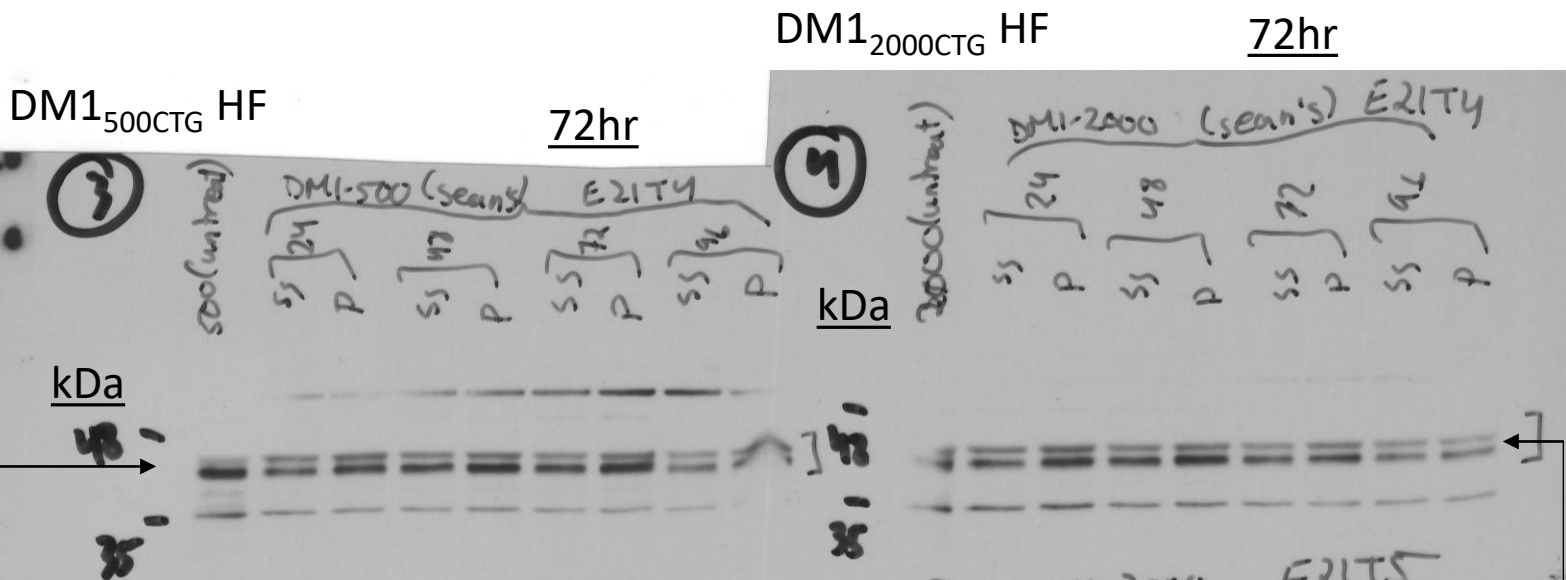
PACT = PACT siRNA

*blot shows time-course of 24hr, 48hr, 72hr and 96hr siRNA treatment, but only 72hr bands were used in quantification

* Check mark indicates MBNL1 bands



← MBNL1 band



MBNL1 band

MBNL1 band

Figure 3, Supplementary Figure 6A-B

Trial 4:

anti-HSP90 (film, chemiluminescence)

ss = Non-targeting siRNA

PACT = PACT siRNA

*blot shows time-course of 24hr, 48hr, 72hr and 96hr siRNA treatment, but only 72hr bands were used in quantification

Western blot analysis of HSP90 protein levels in Normal Human Fibroblasts (NHF). The blot shows a single band at approximately 75 kDa, indicated by an arrow labeled "HSP90 band". Molecular weight markers are shown on the left at 75, 63, 48, and 35 kDa. The lanes are labeled as follows: NHF, untreated, SS (Non-targeting siRNA), and PACT (PACT siRNA). The 72hr time point is indicated above the SS and PACT lanes.

Western blot analysis of HSP90 protein levels in DM1 mutant Human Fibroblasts (HF). The blot is divided into two sections: DM1_{500CTG} HF and DM1_{2000CTG} HF. Each section shows a time-course of siRNA treatment (24hr, 48hr, 72hr, 96hr) for both SS (Non-targeting siRNA) and PACT (PACT siRNA) conditions. The 72hr time point is indicated above the SS and PACT lanes for each time point.

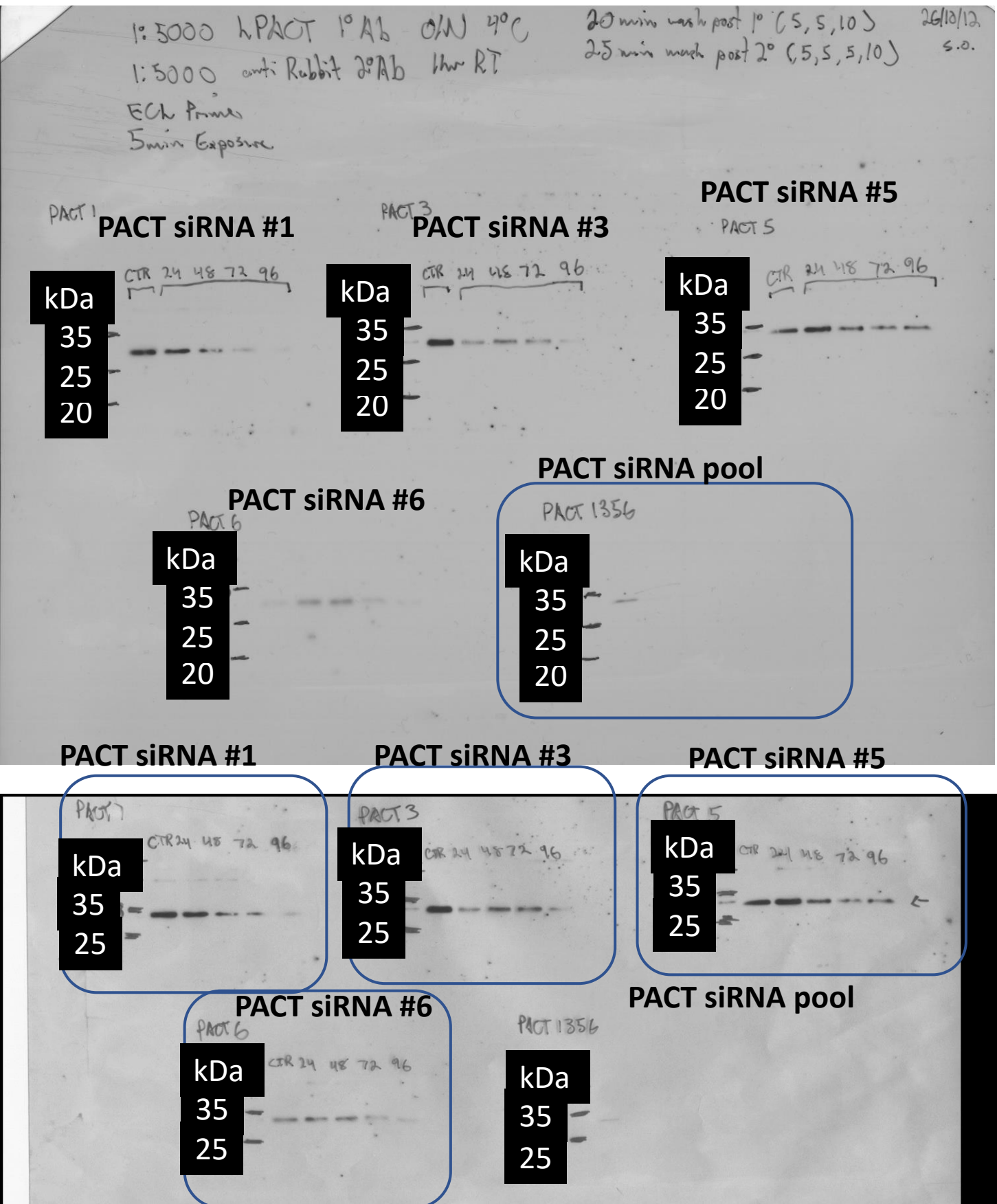
Detailed Western blot analysis of HSP90 protein levels in DM1 mutant HF cells. The blot shows HSP90 bands at approximately 75 kDa and 48 kDa. Molecular weight markers are shown on the left at 75, 63, 48, and 35 kDa. The lanes are labeled as follows: DM1_{500CTG} HF (untreated, 24hr, 48hr, 72hr, 96hr) and DM1_{2000CTG} HF (untreated, 24hr, 48hr, 72hr, 96hr). The 72hr time point is indicated above the SS and PACT lanes for each time point. A circled '3' is present on the left side of the blot, and a circled 'u' is present above the 75 kDa marker.

HSP90 band

HSP90 band

Supplementary Figure 2

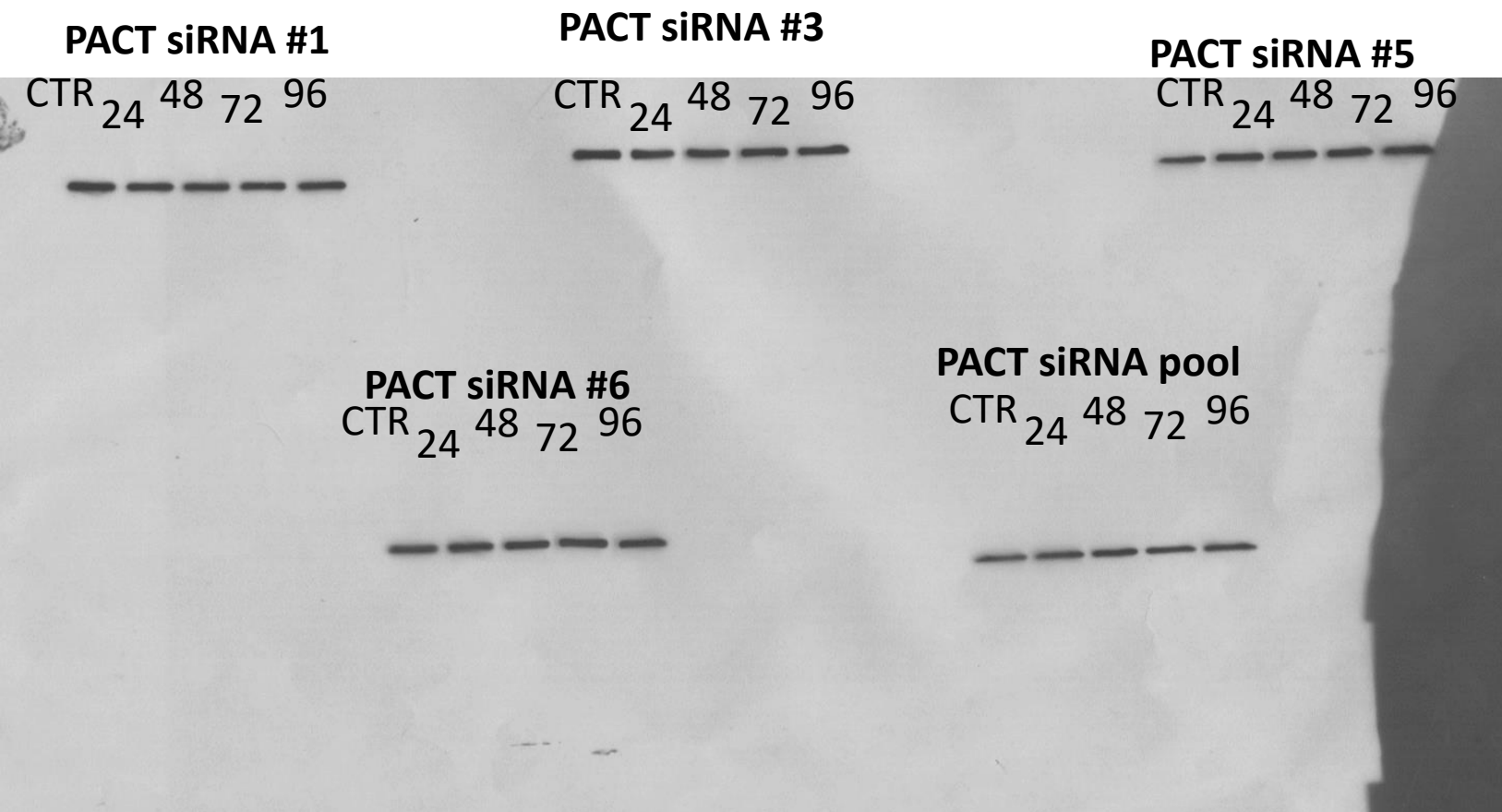
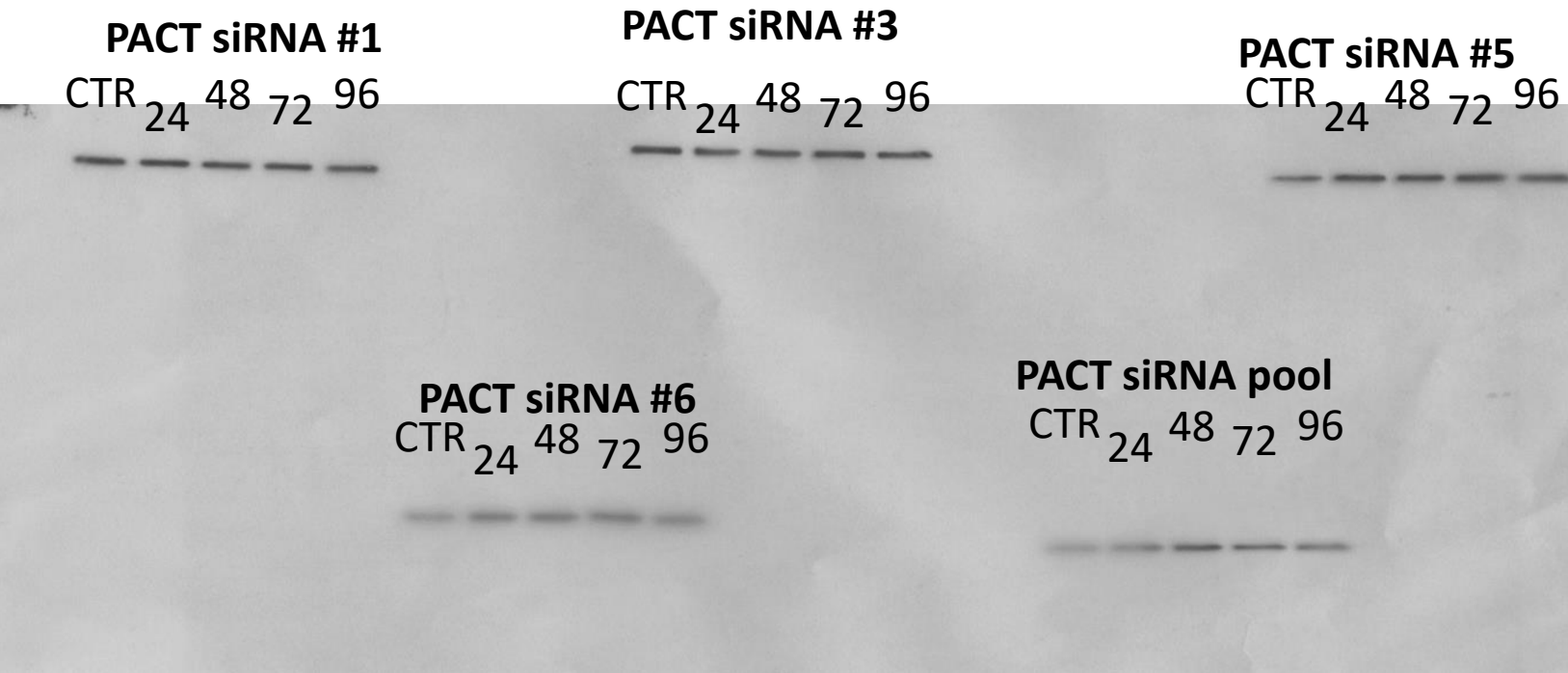
anti-PACT (film, chemiluminescence) – blots used in final figure are squared
CTR = non-targeting siRNA; 24, 48, 72, 96 (hr) = time-course with PACT siRNA



Supplementary Figure 2

anti-Tubulin (film, chemiluminescence)

CTR = non-targeting siRNA; 24, 48, 72, 96 (hr) = time-course with PACT siRNA



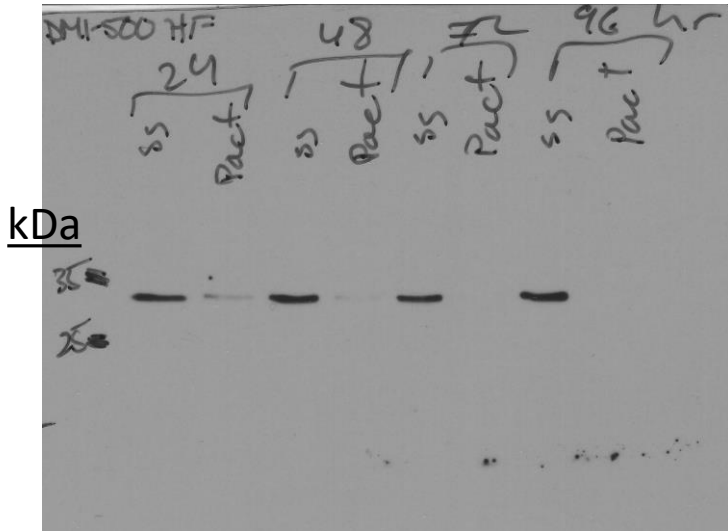
Supplementary Figure 3A-B

anti-PACT (film, chemiluminescence)

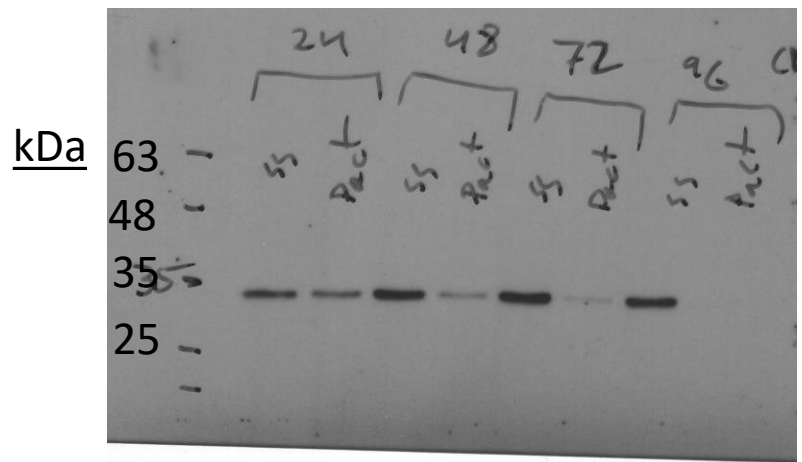
SS = Non-targeting siRNA

PACT = PACT siRNA

DM1_{500CTG} HF



DM1_{2000CTG} HF

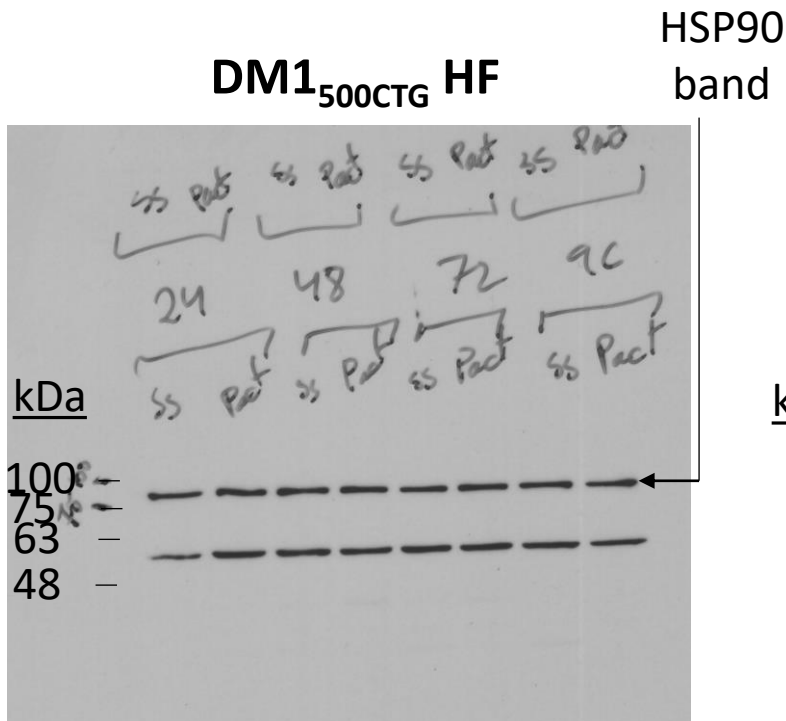


anti-HSP90 (film, chemiluminescence)

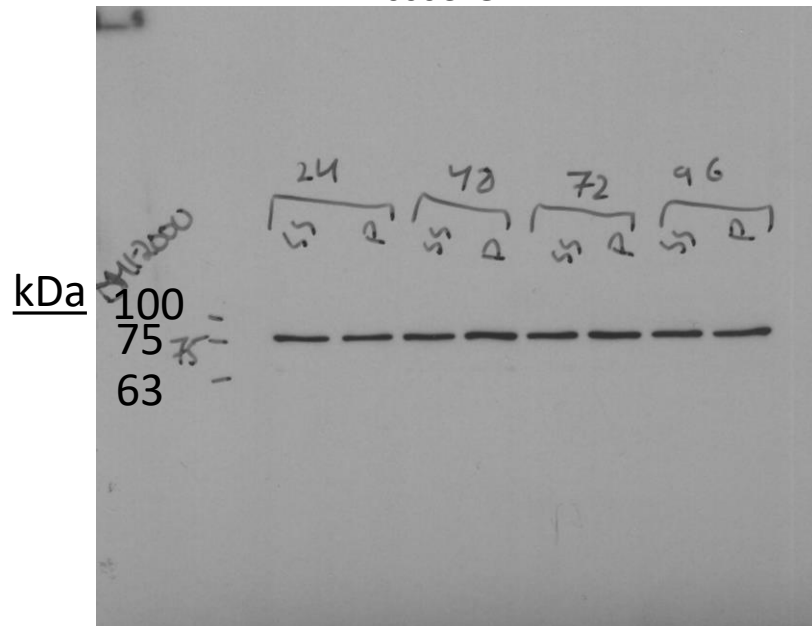
ss = Non-targeting siRNA

PACT = PACT siRNA

DM1_{500CTG} HF

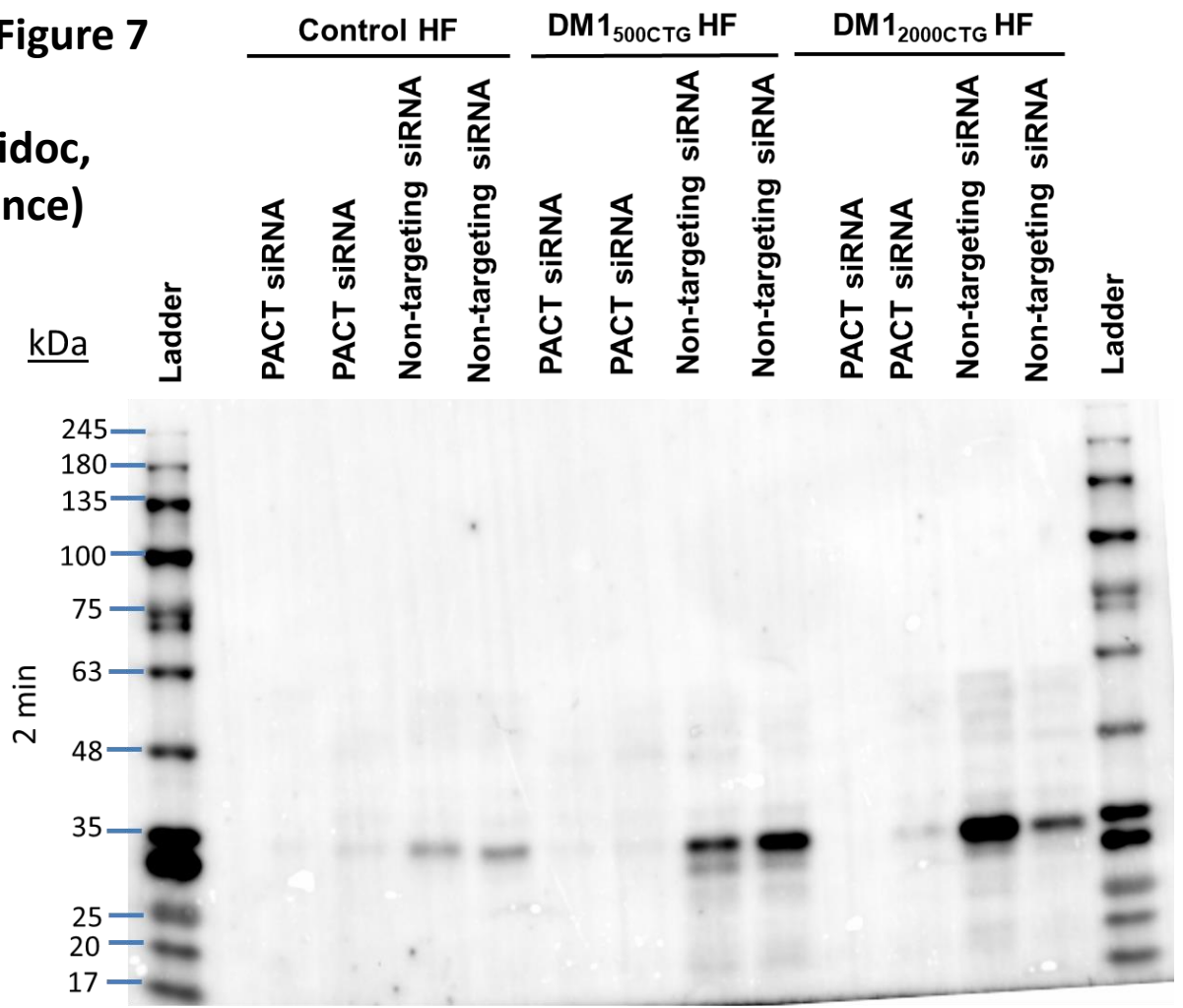


DM1_{2000CTG} HF

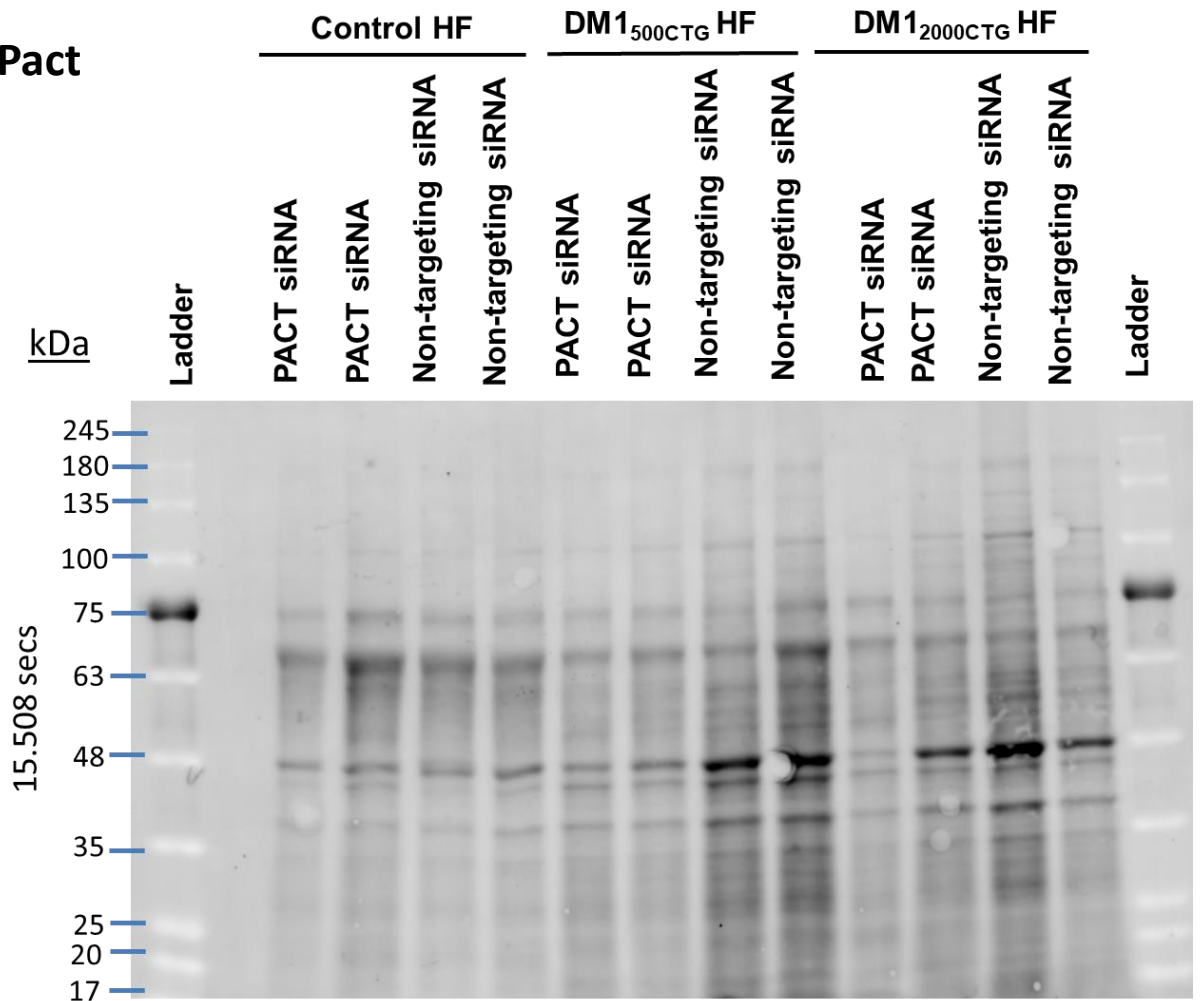


Supplementary Figure 7

anti-Pact (Chemidoc,
chemiluminescence)

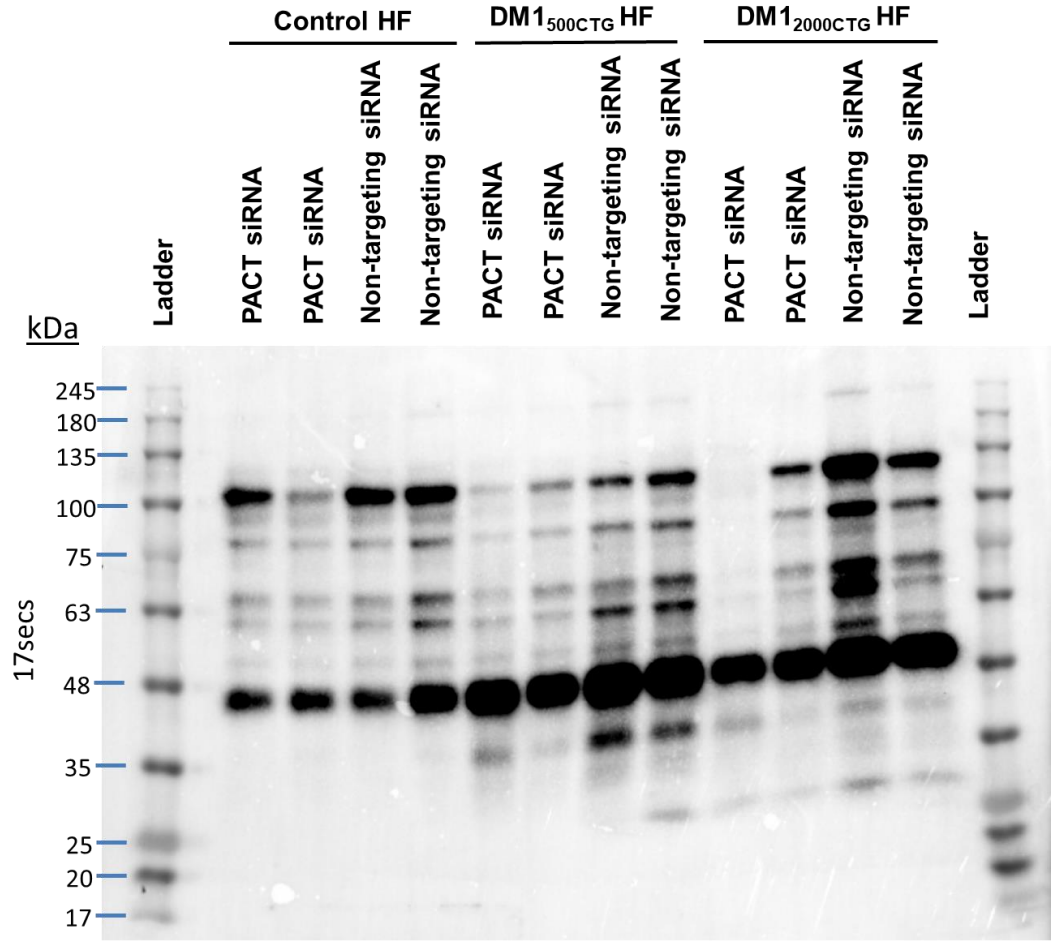


Stain-free for anti-Pact
blot (Chemidoc)

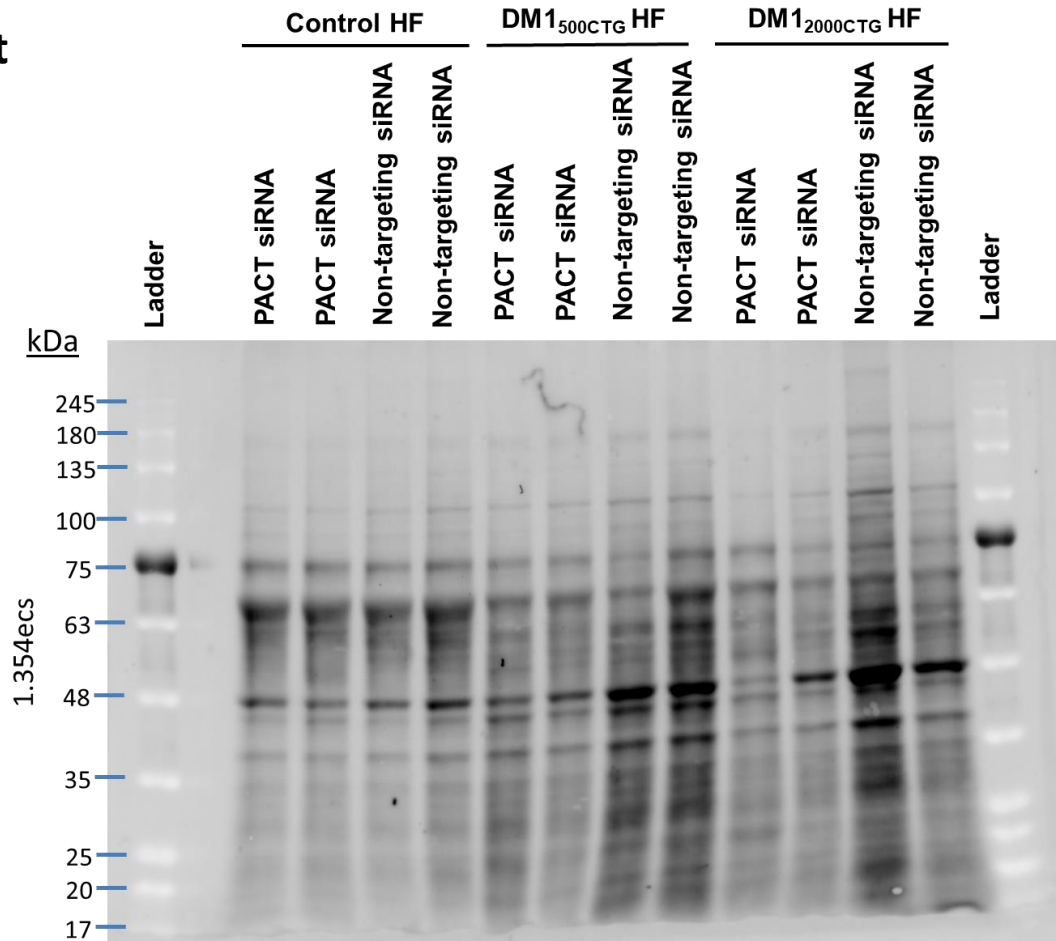


Supplementary Figure 7

anti-PKR (Chemidoc,
chemiluminescence)

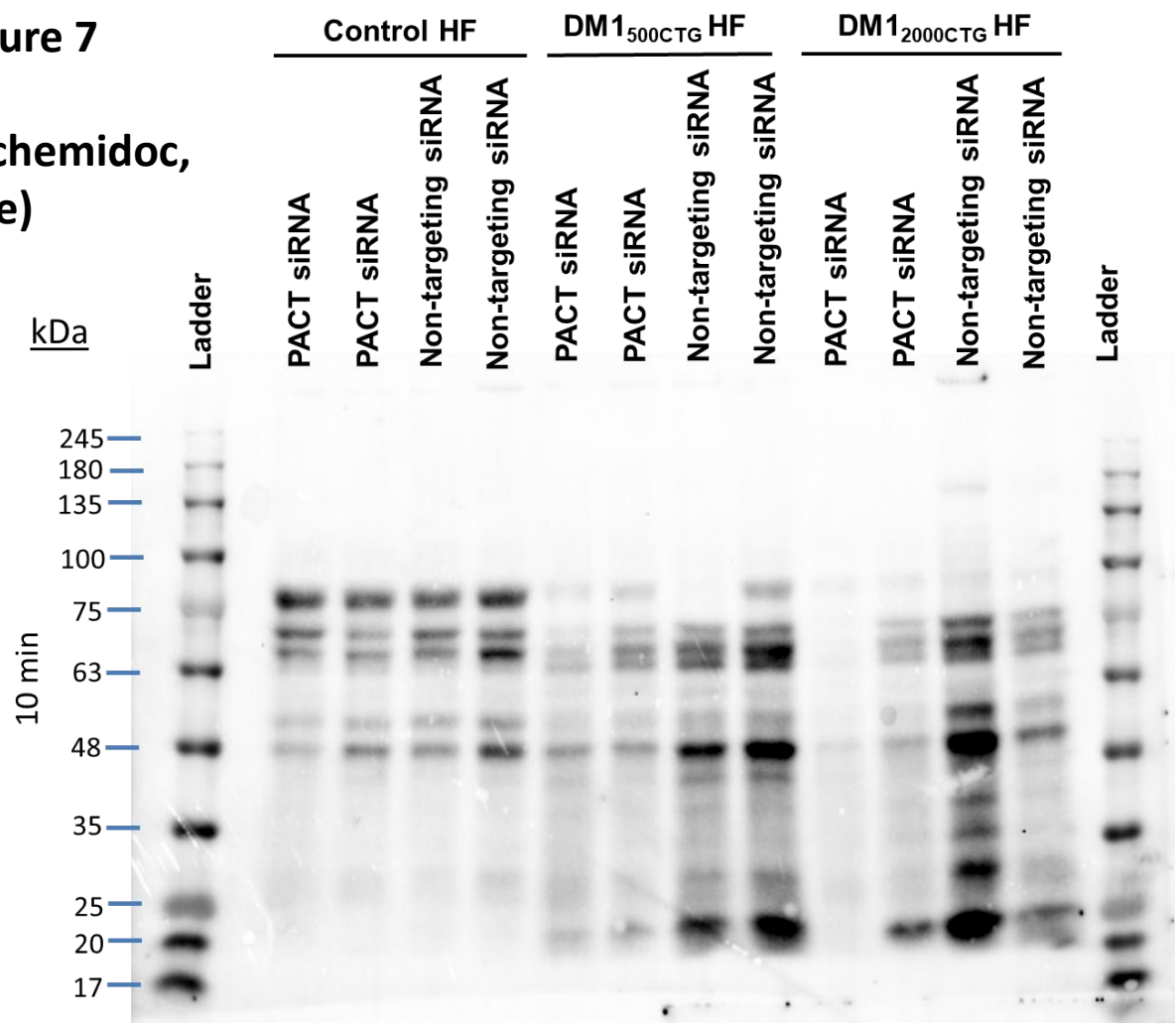


Stain-free for anti-PKR blot
(Chemidoc)



Supplementary Figure 7

anti-pPKR (T446) (chemidoc, chemiluminescence)



Stain-free for anti-pPKR (T446) blot (Chemidoc)

