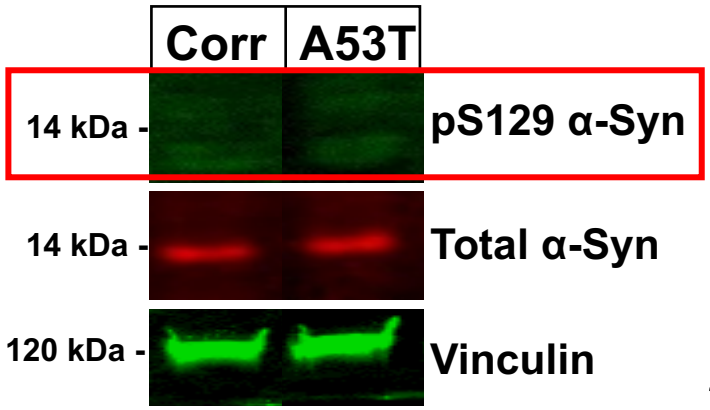
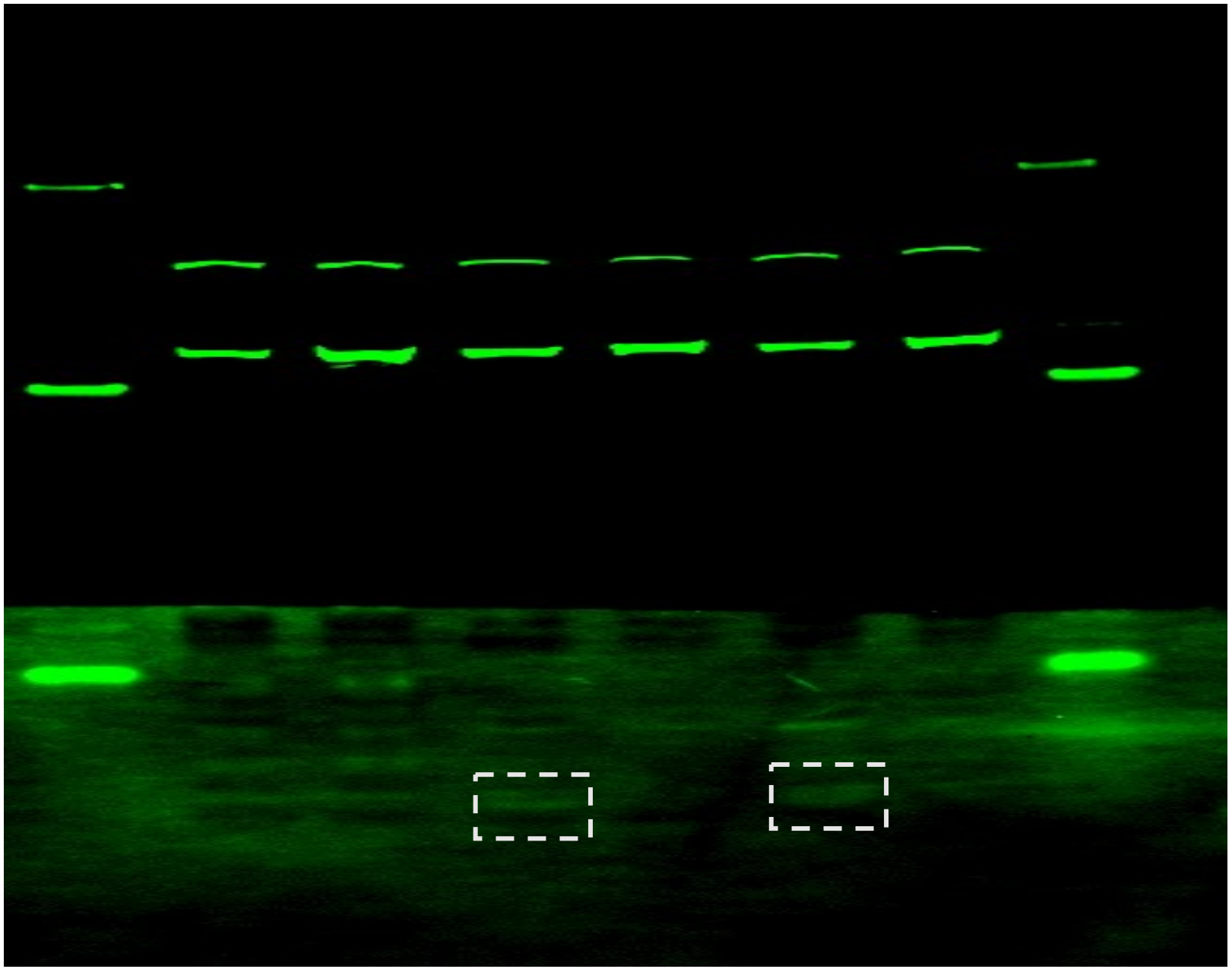
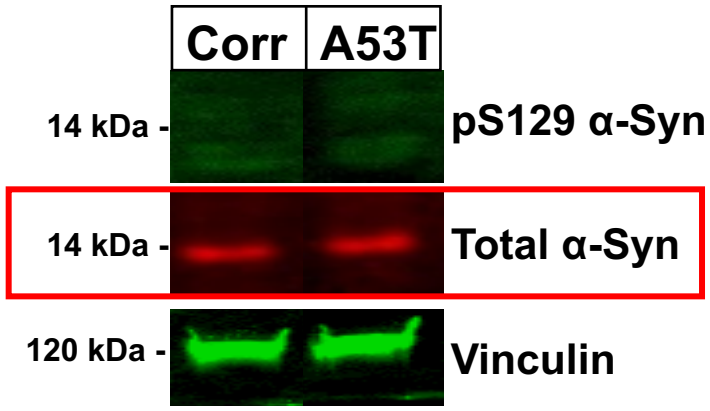
Figure 4A: pS129 α-Syn Panels
A53T – Disease NSC
Corr – Isogenic Control NSC
Imaged with LiCor Odyssey Dlx System





Blot was cut, both pieces included

Figure 4A: Total α-Syn Panels
A53T – Disease NSC
Corr – Isogenic Control NSC
Imaged with LiCor Odyssey Dlx System



Blot was cut, both pieces included

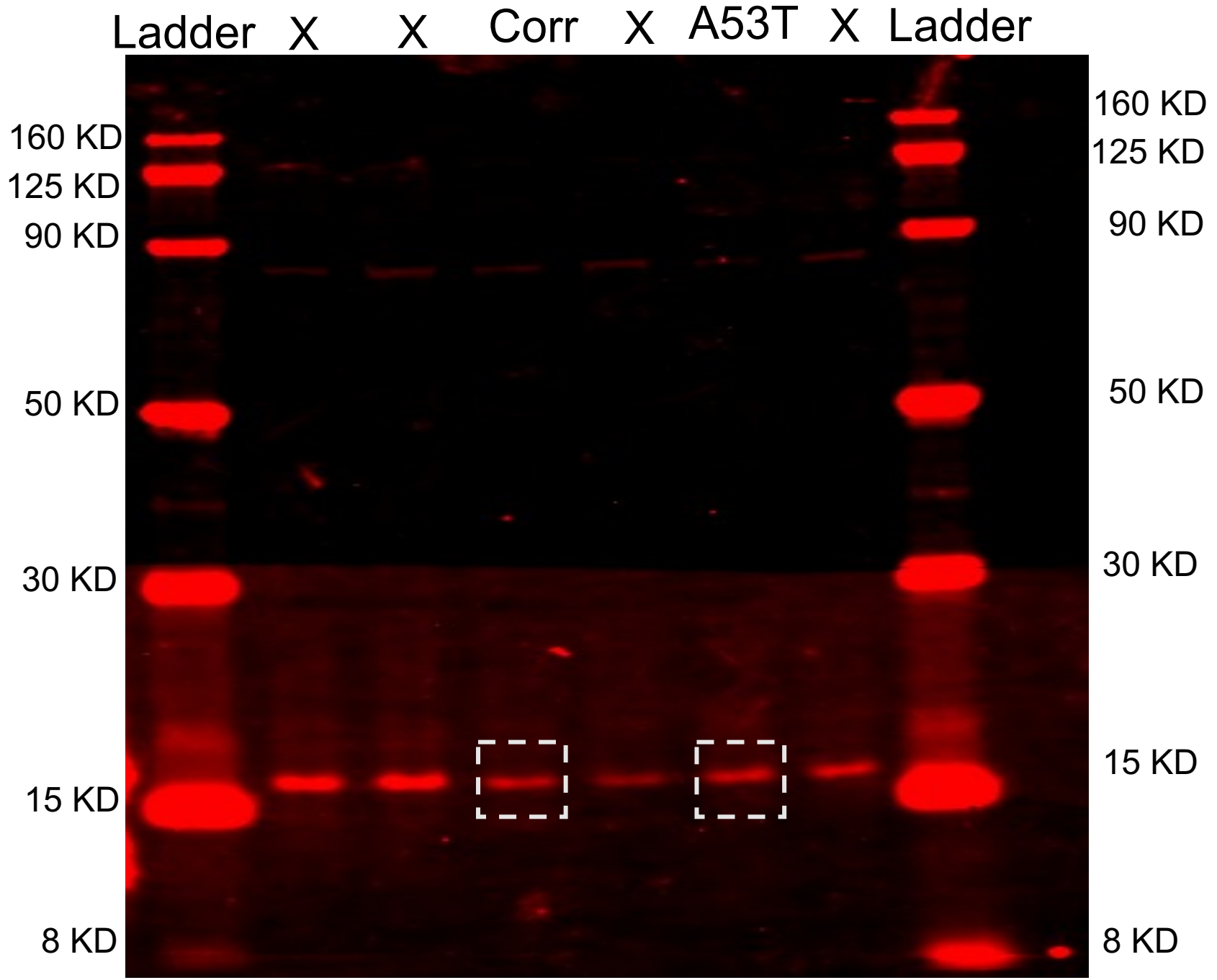
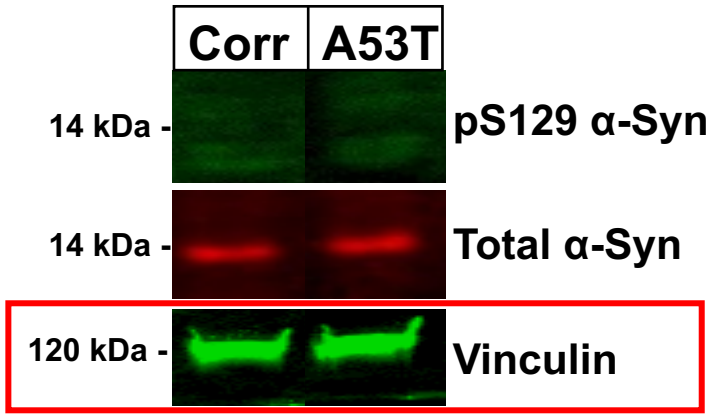
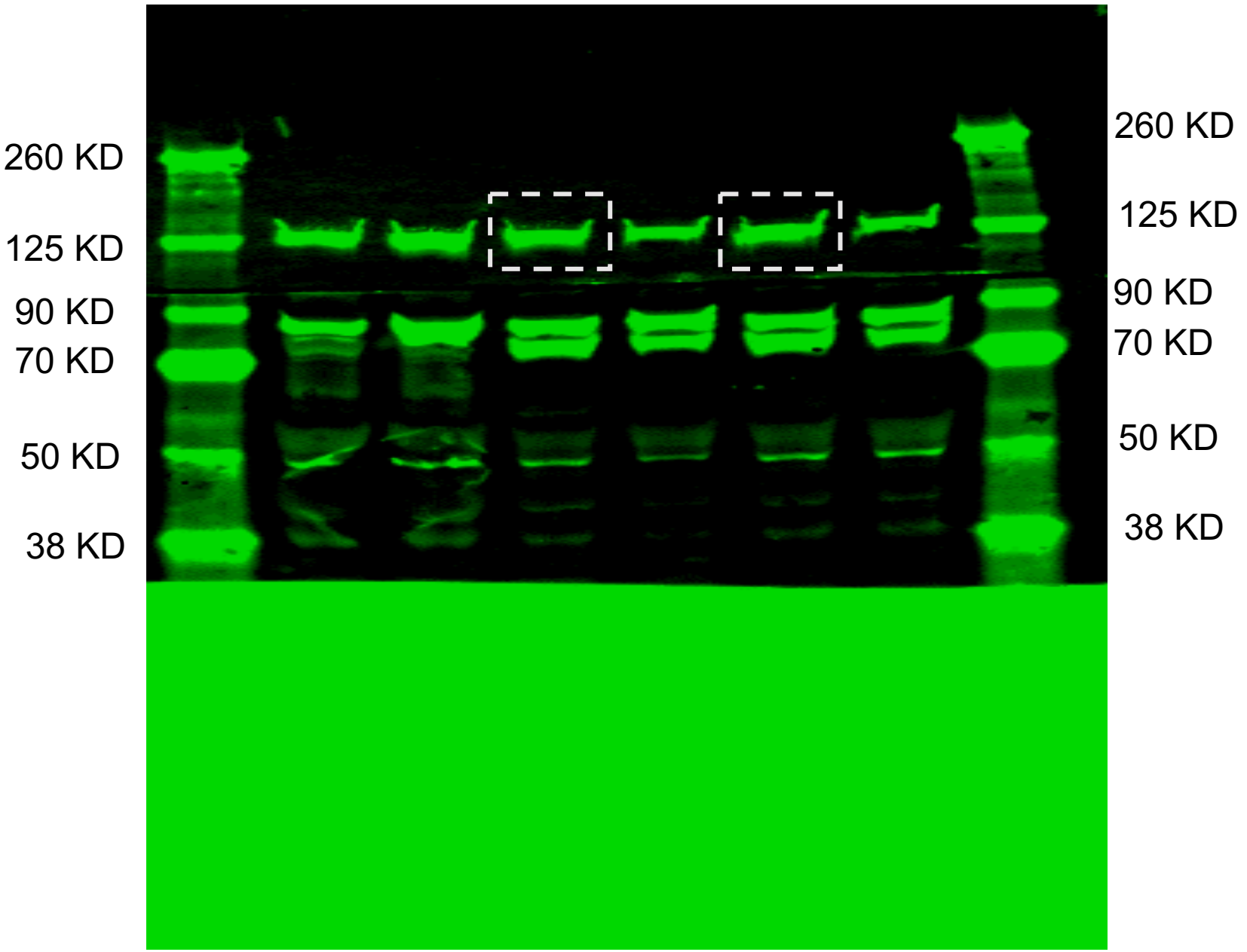


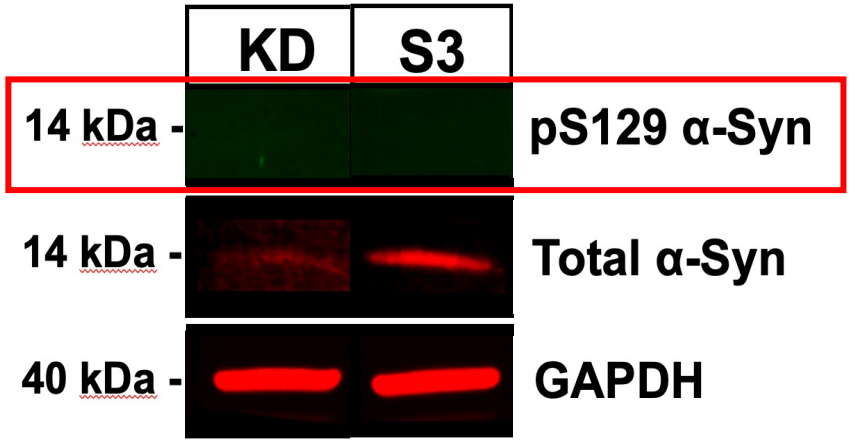
Figure 4A: Vinculin Panels
A53T – Disease NSC
Corr – Isogenic Control NSC
Imaged with LiCor Odyssey Dlx System





Blot was cut, both pieces included

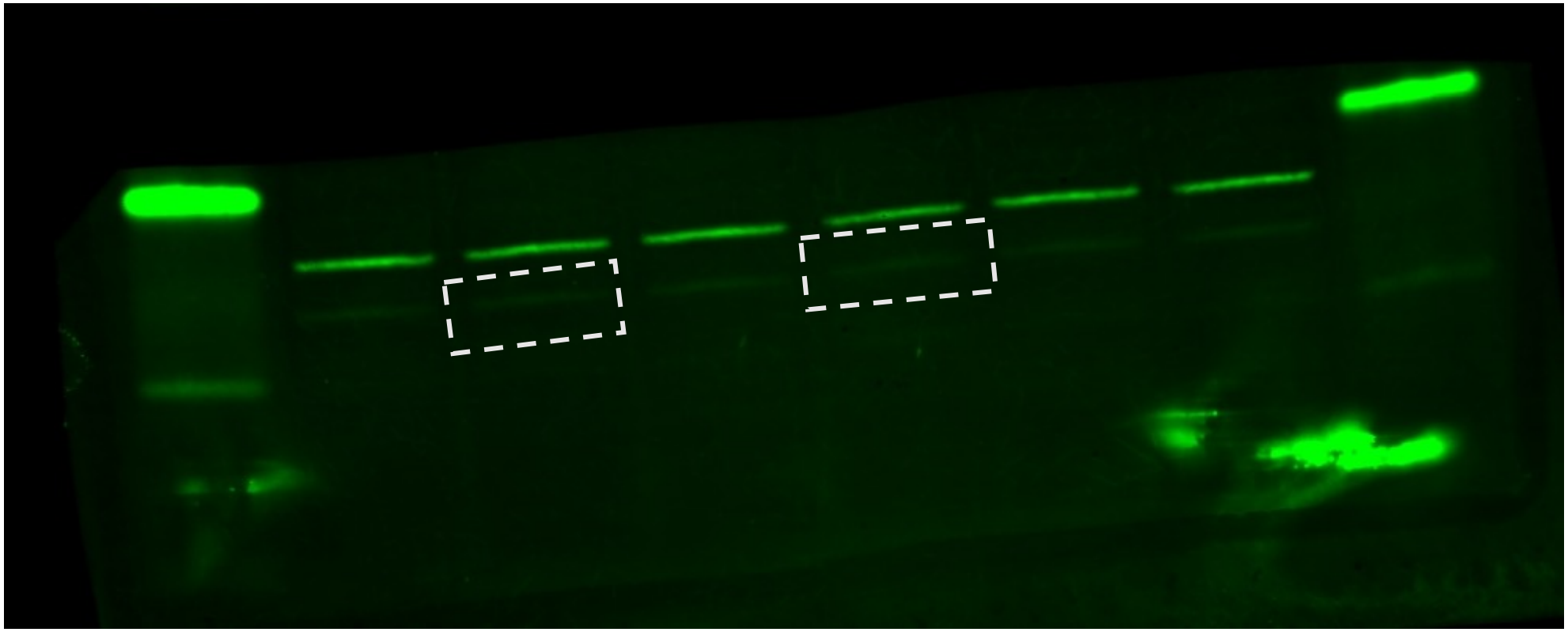
Figure 4B: pS129 α-Syn Panels
S3 – Disease NSC
KD – Isogenic Control NSC
Imaged with LiCor Odyssey Dlx System



Blot was cut, only bottom piece included

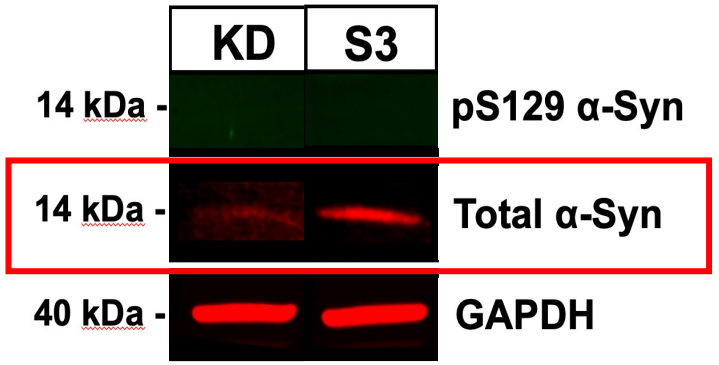
Ladder X S3 X KD X X Ladder

25 KD



25 KD

Figure 4B: Total α-Syn Panels
S3 – Disease NSC
KD – Isogenic Control NSC
Imaged with LiCor Odyssey Dlx System



Blot was cut, only bottom piece included

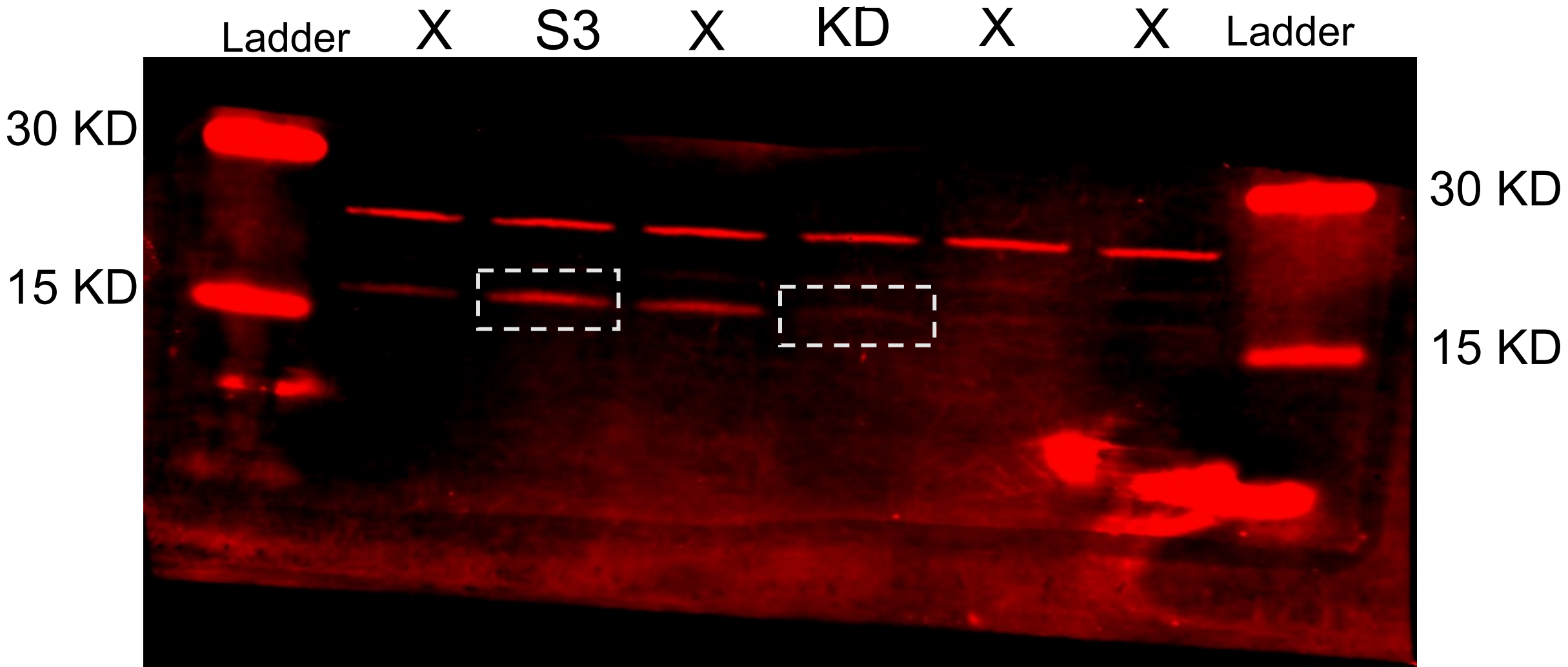
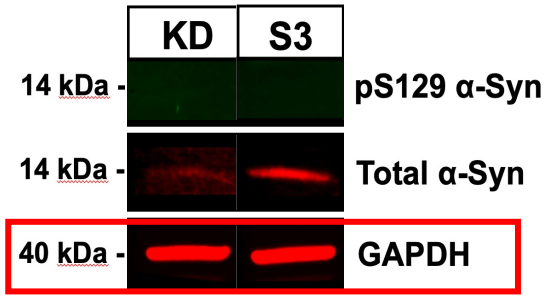
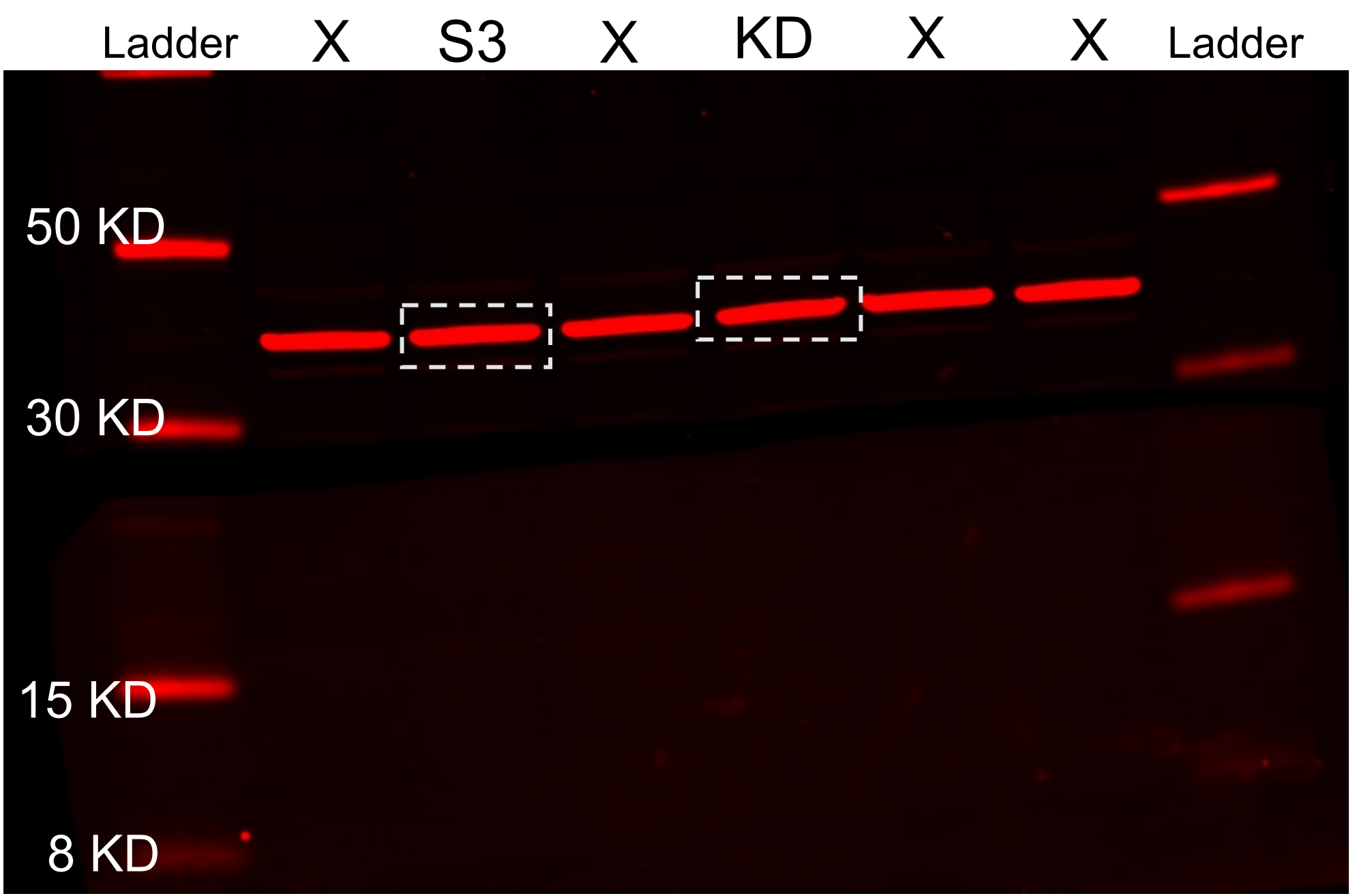


Figure 4B:
GAPDH Panels
S3 – Disease NSC
KD – Isogenic Control NSC
Imaged with LiCor Odyssey Dlx System





Blot was cut, only bottom piece included

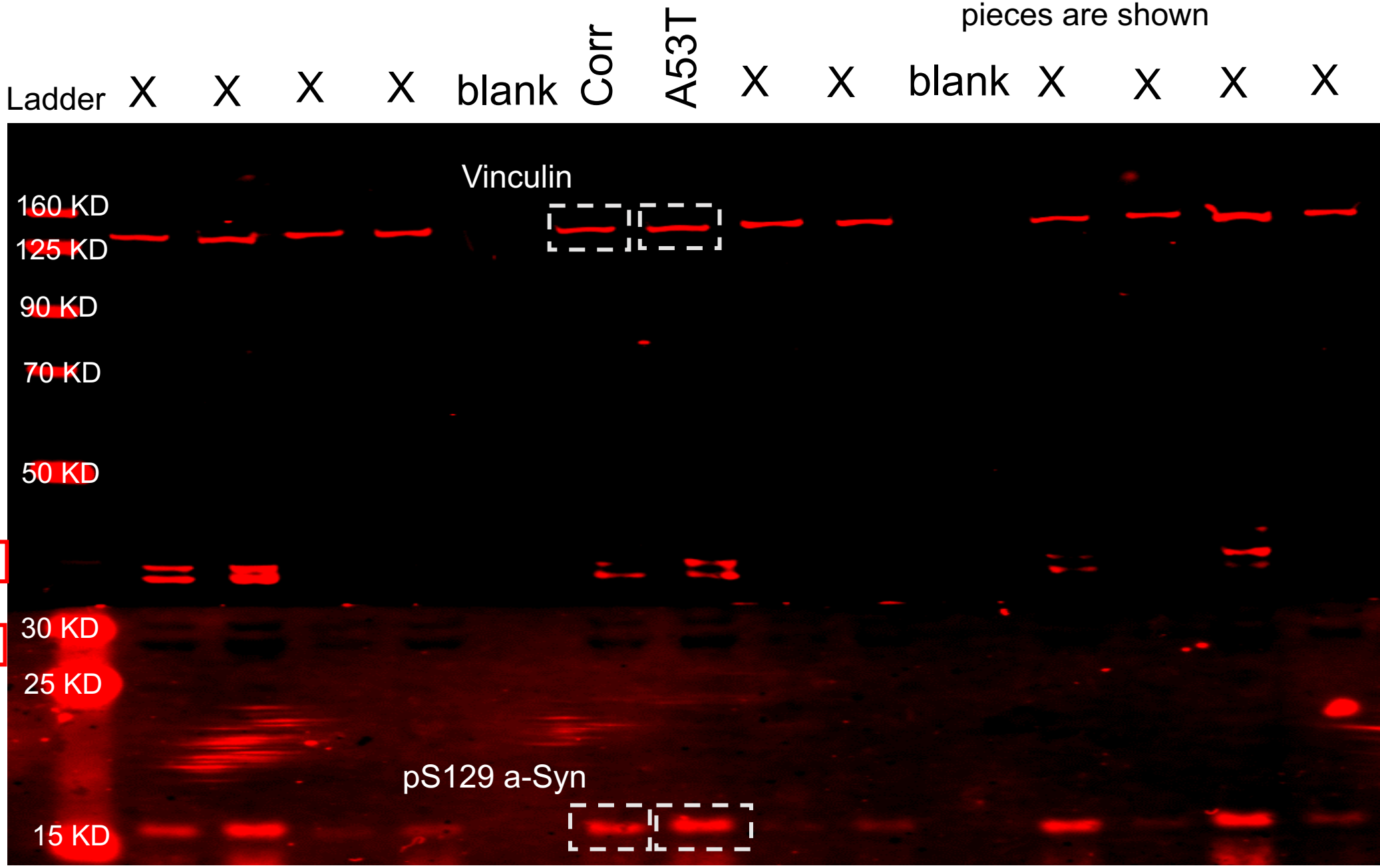
Figure 4E: Vinculin and pS129 α-Syn Panels

A53T – Disease Neurospheres

Corr – Isogenic Control Neurospheres

Imaged with LiCor Odyssey Dlx System

Blot was cut, the two cut pieces are shown



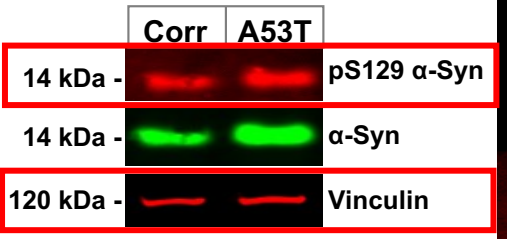


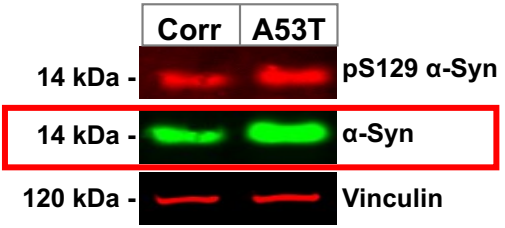
Figure 4E: Total α-Syn Panels

Blot was cut, the two cut pieces are shown

A53T – Disease Neurospheres

Corr – Isogenic Control Neurospheres

Imaged with LiCor Odyssey Dlx System



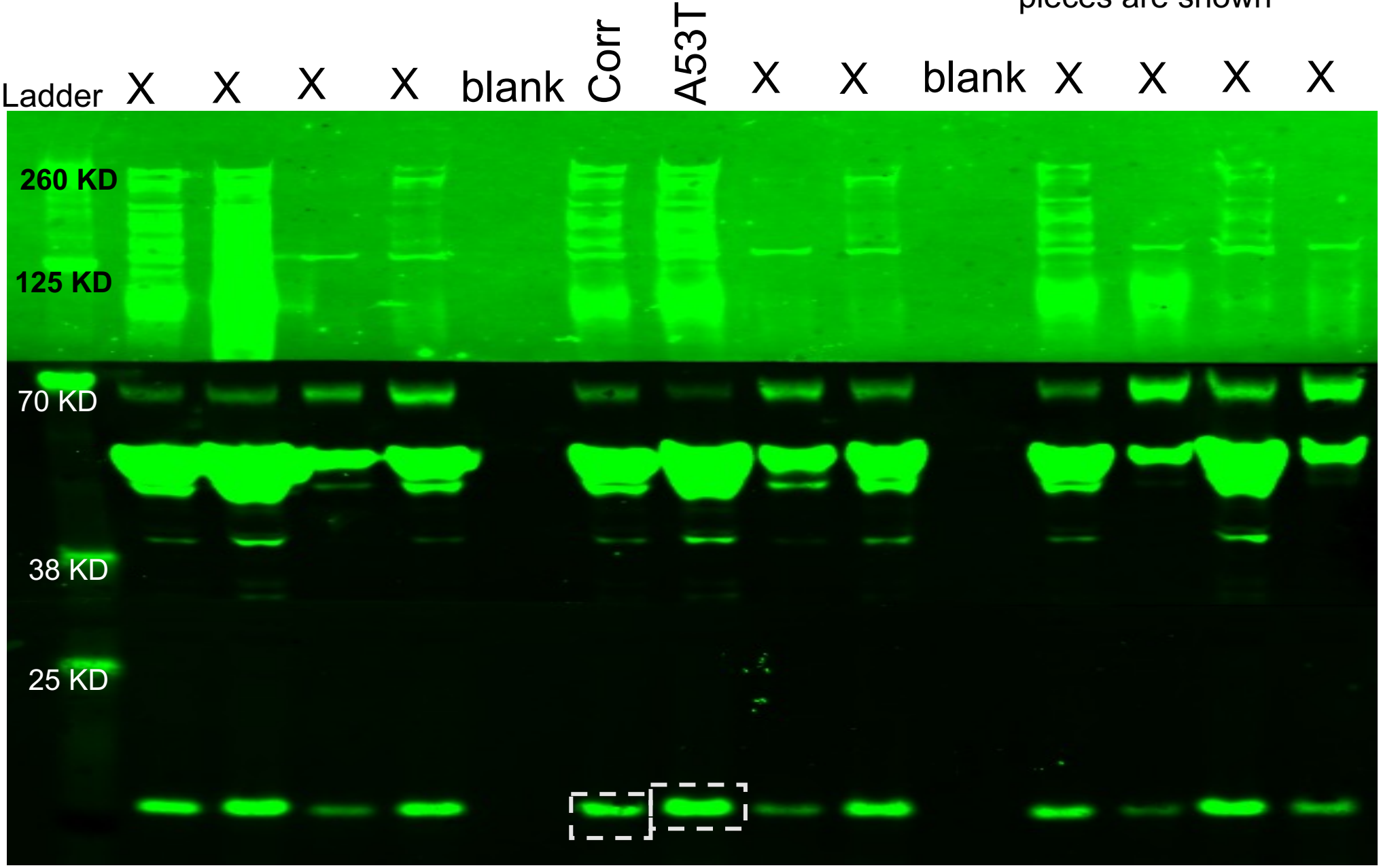
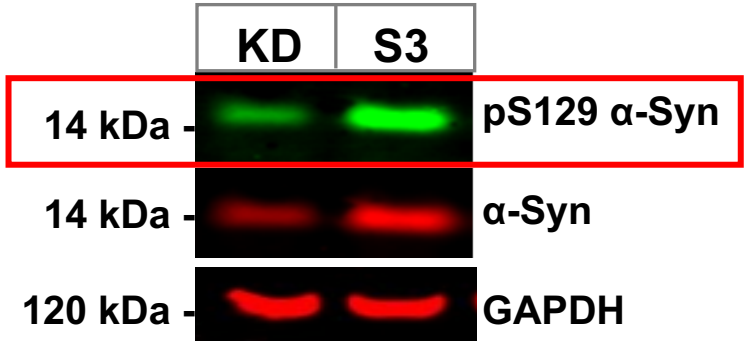


Figure 4F: pS129 α-Syn Panels

S3 – Disease Neurospheres
KD – Isogenic Control Neurospheres

Imaged with LiCor Odyssey Dlx System



Blot was cut, the two cut pieces are shown

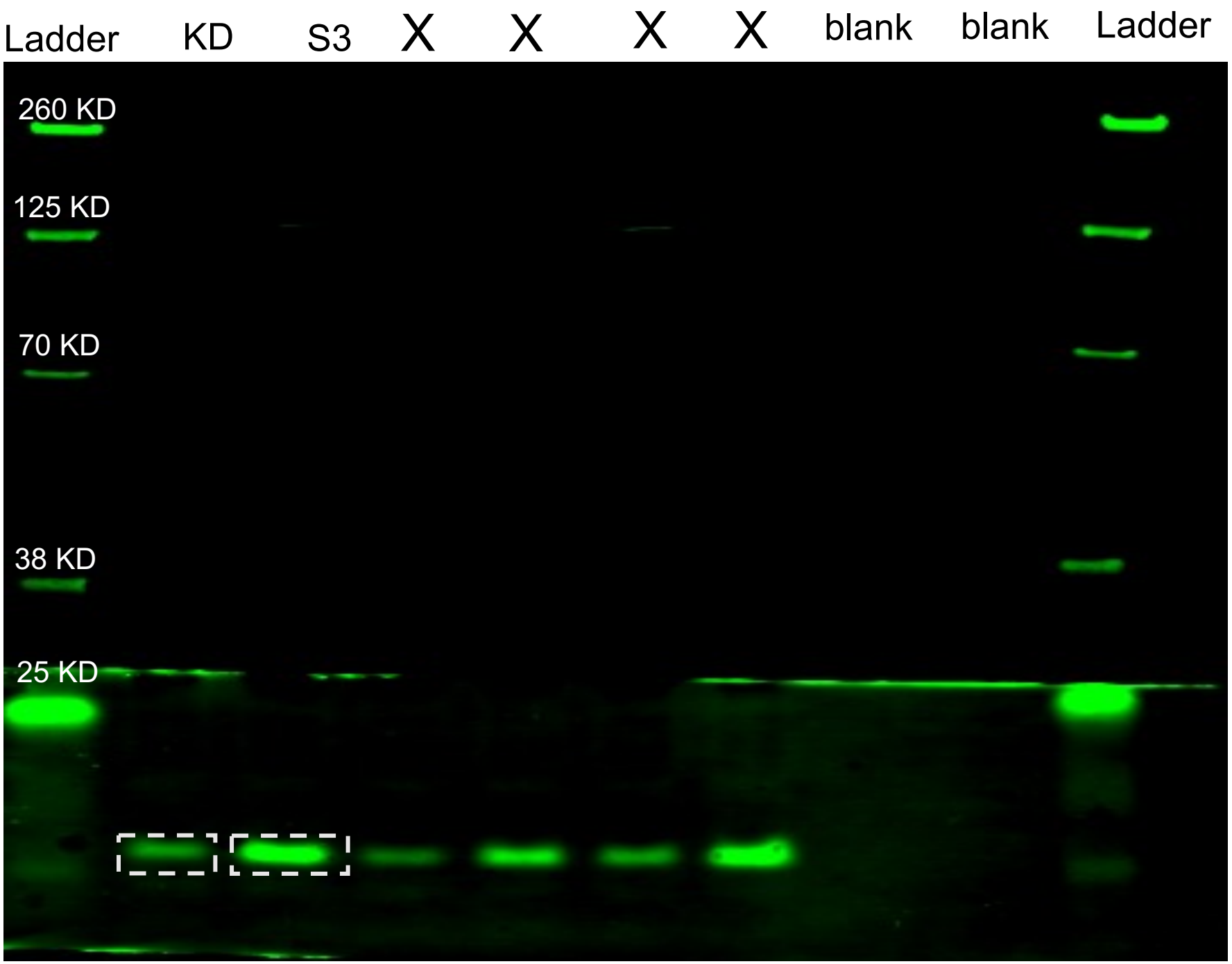


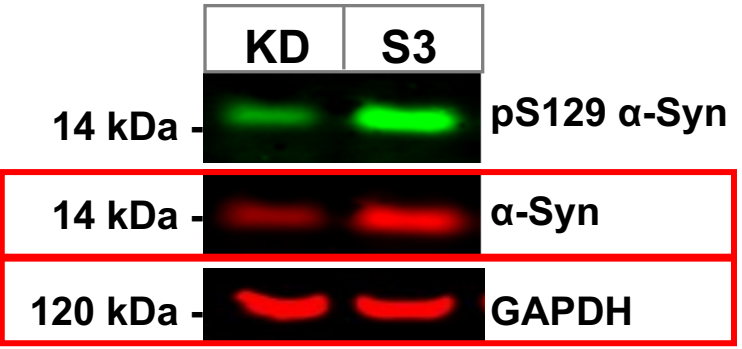
Figure 4F:

Total α-Syn and GAPDH Panels

S3 – Disease Neurospheres

KD – Isogenic Control Neurospheres

Imaged with LiCor Odyssey Dlx System



Blot was cut, the two cut pieces are shown

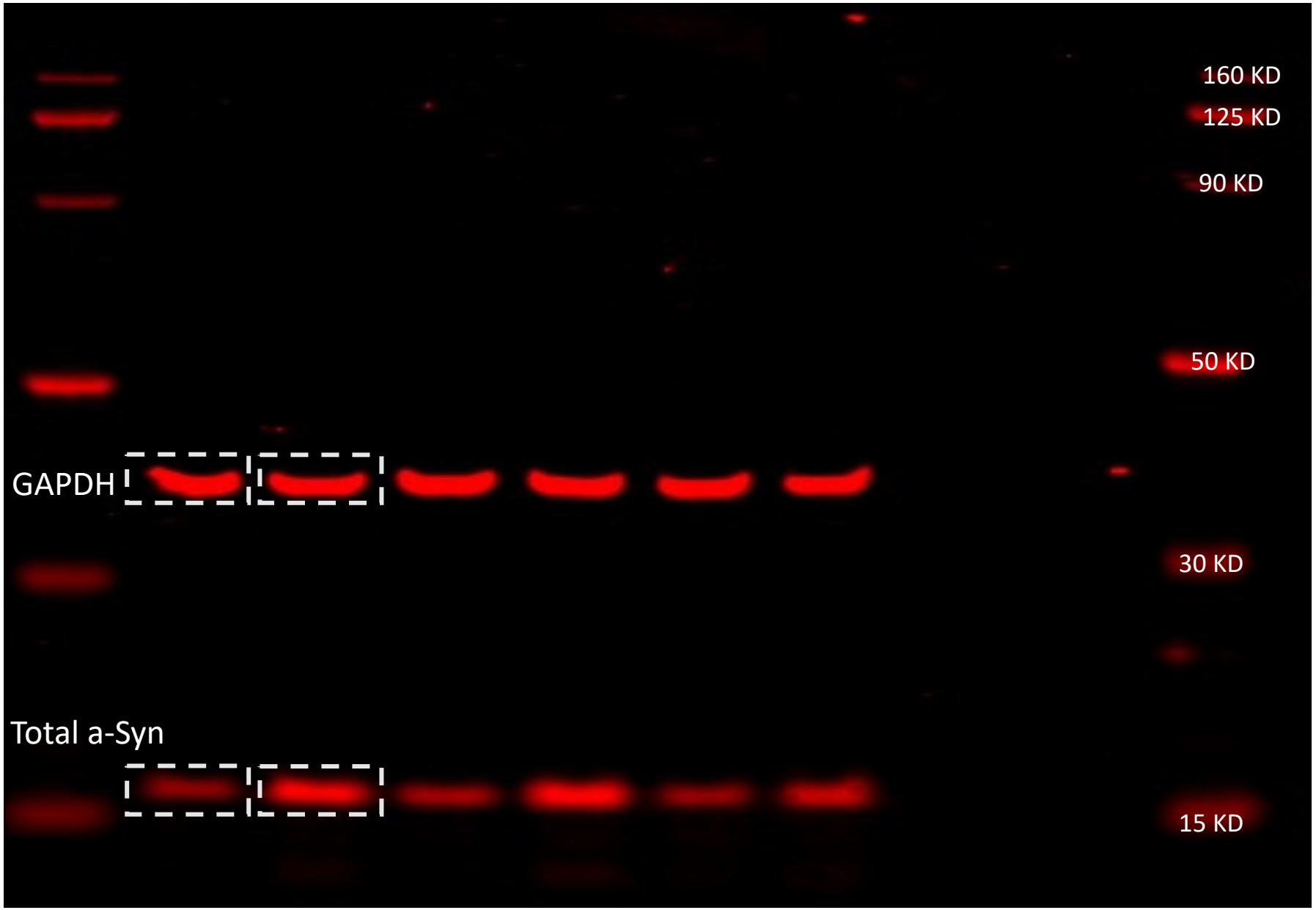
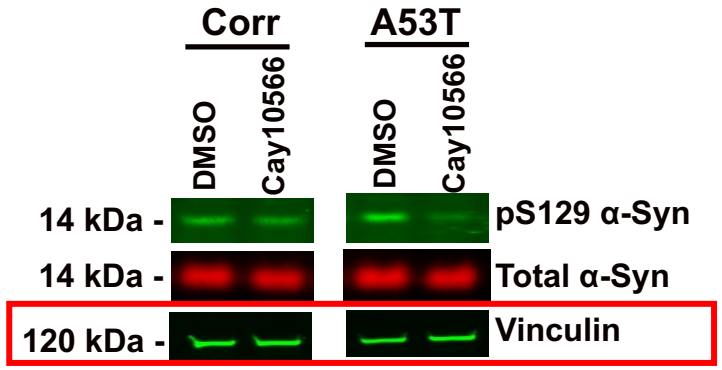


Figure 5C: Vinculin Panels
Imaged with LiCor Odyssey DIx System

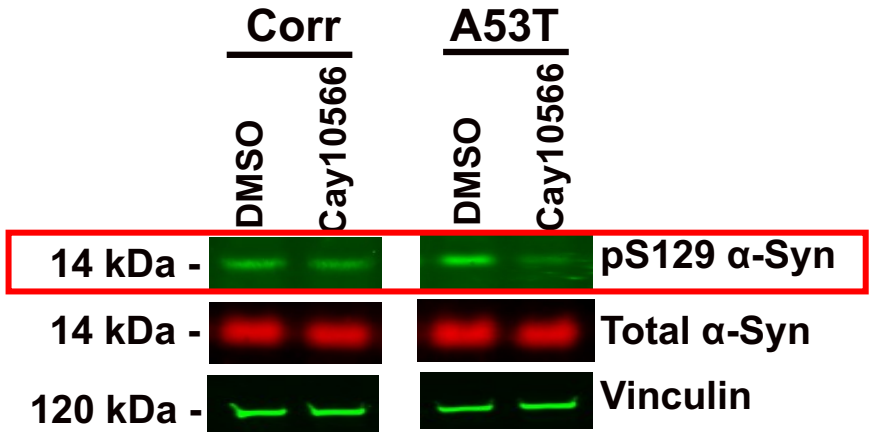
A53T DMSO – Disease Neurospheres treated with DMSO control
A53T Cay10566 – Disease Neurospheres treated with Cay10566
Corr DMSO – Isogenic Control Neurospheres treated with DMSO control
Corr Cay10566 – Isogenic Control Neurospheres treated with Cay10566



Blot was cut, only top piece is shown

Figure 5C: pS129 a-Syn Panels
Imaged with LiCor Odyssey DIx System

A53T DMSO – Disease Neurospheres treated with DMSO control
A53T Cay10566 – Disease Neurospheres treated with Cay10566
Corr DMSO – Isogenic Control Neurospheres treated with DMSO control
Corr Cay10566 – Isogenic Control Neurospheres treated with Cay10566



Blot was cut, only bottom piece is shown

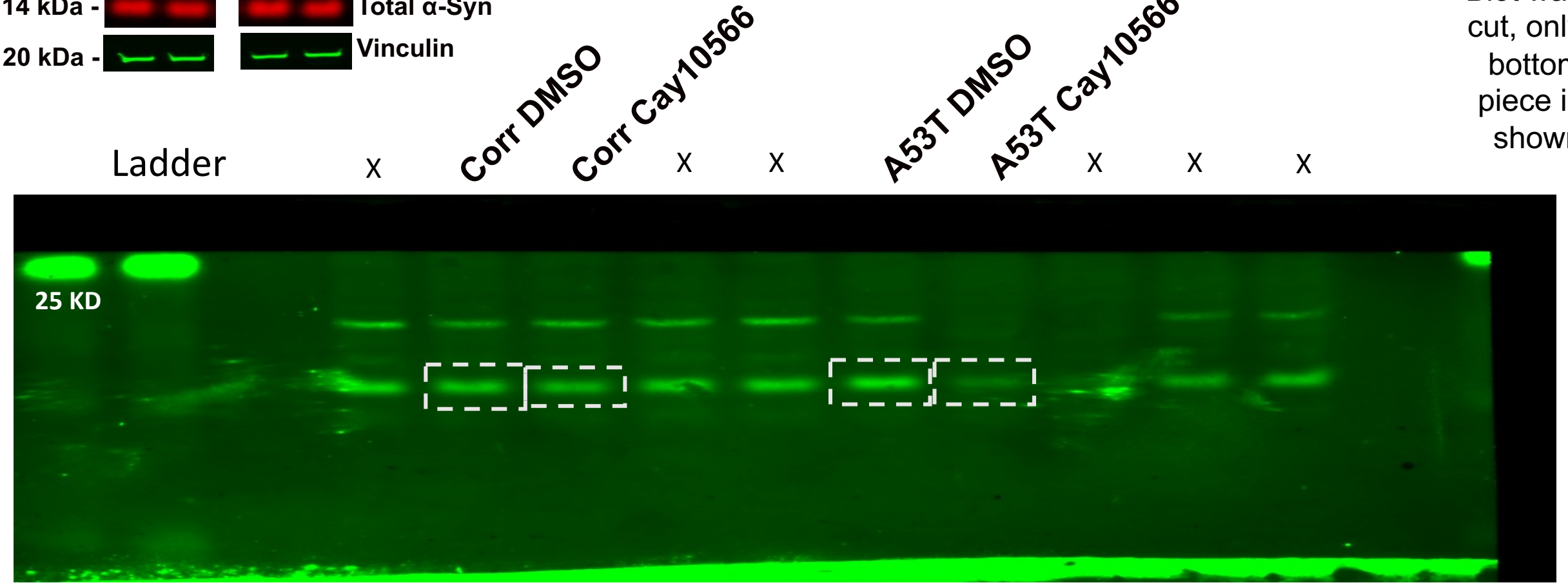
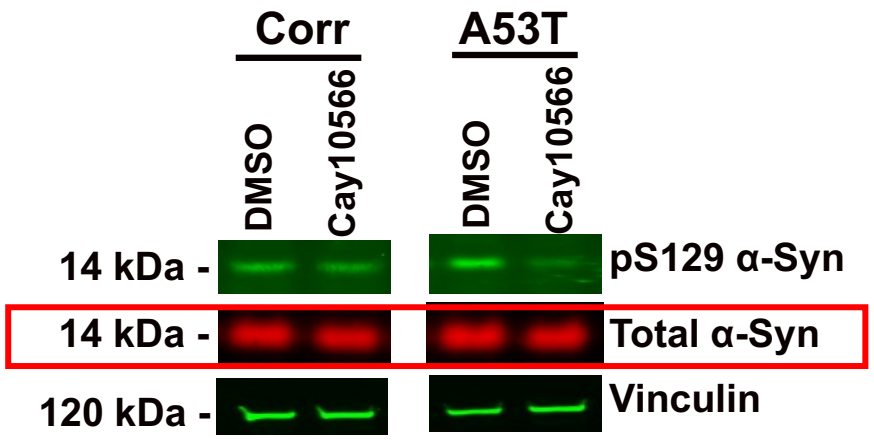


Figure 5C: Total a-Syn Panels
Imaged with LiCor Odyssey DIx System

A53T DMSO – Disease Neurospheres treated with DMSO control
A53T Cay10566 – Disease Neurospheres treated with Cay10566
Corr DMSO – Isogenic Control Neurospheres treated with DMSO control
Corr Cay10566 – Isogenic Control Neurospheres treated with Cay10566



Blot was cut, only bottom piece is shown

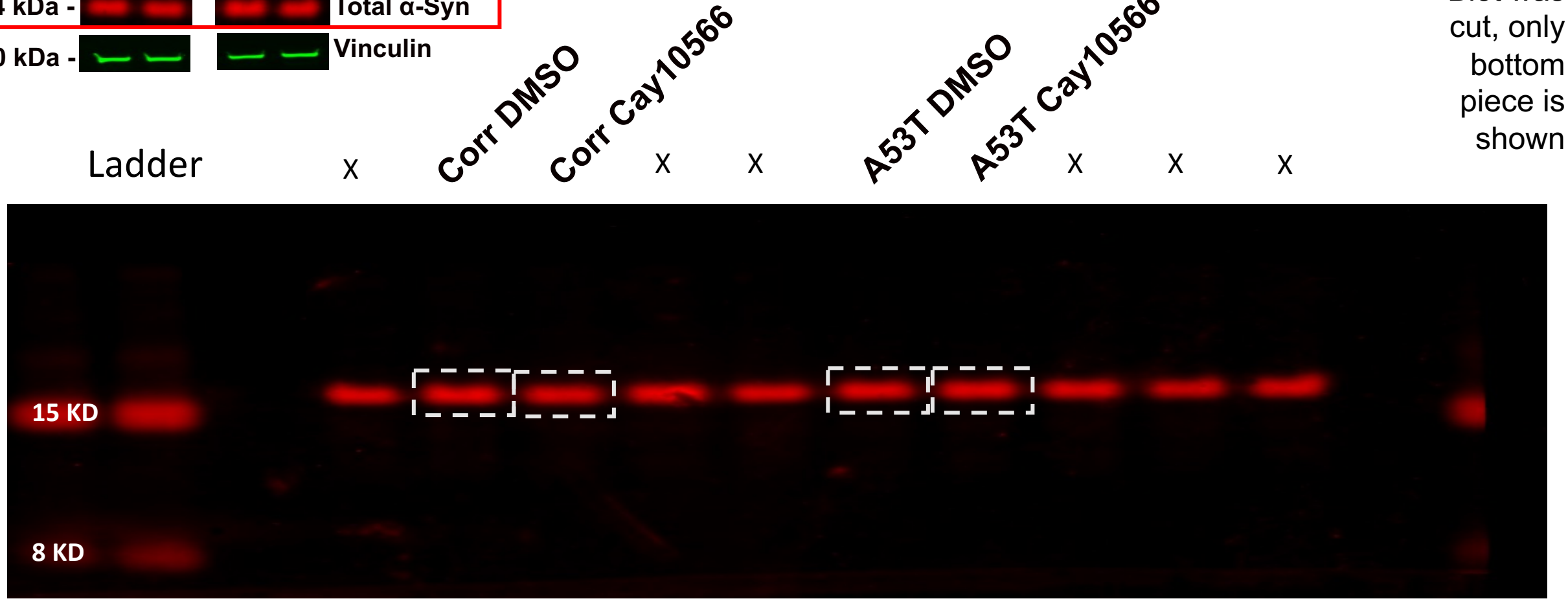
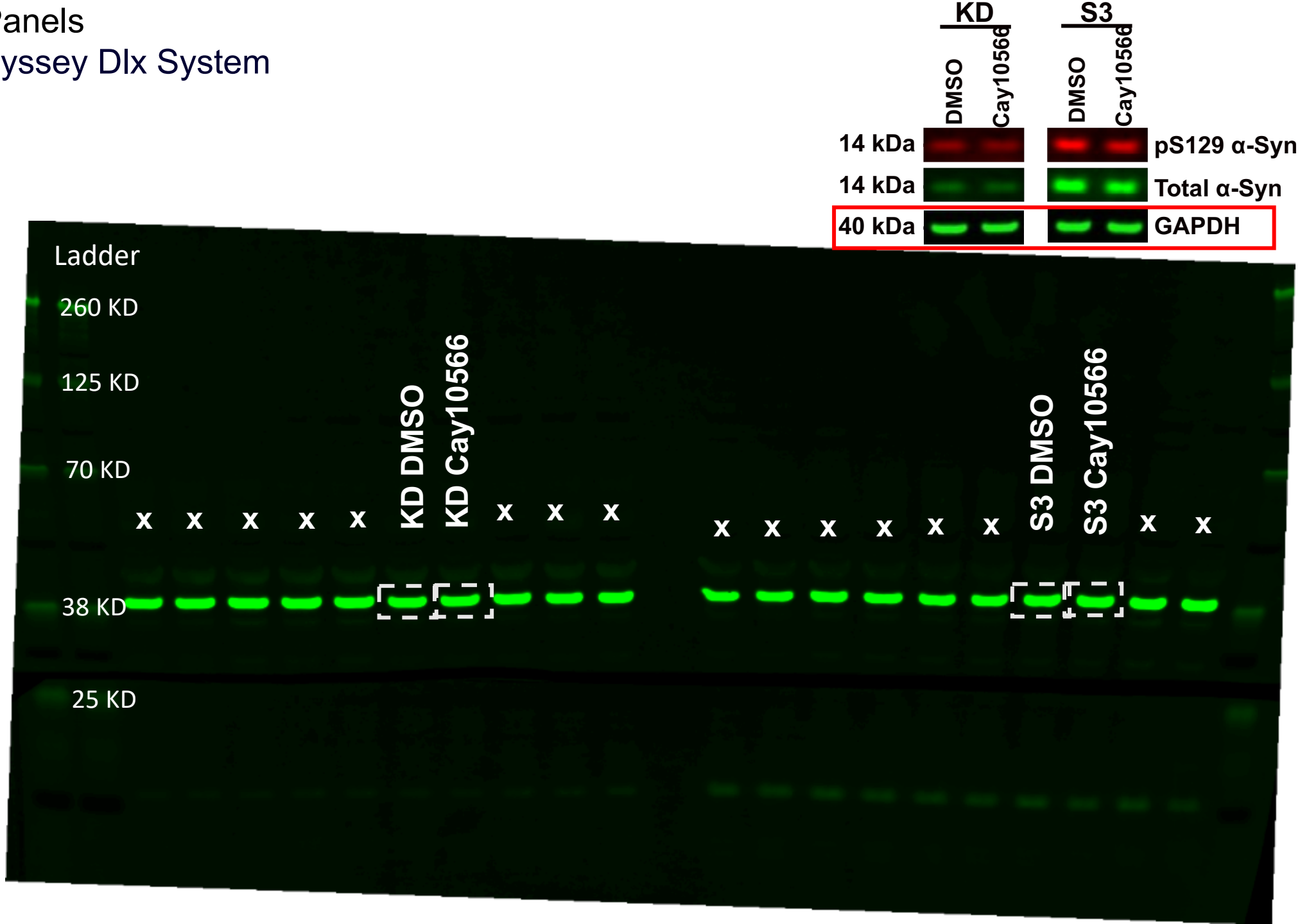


Figure 5D: GAPDH Panels
Imaged with LiCor Odyssey Dlx System

S3 DMSO – Disease Neurospheres treated with DMSO control
S3 Cay10566 – Disease Neurospheres treated with Cay10566
KD DMSO – Isogenic Control Neurospheres treated with DMSO control
KD Cay10566 – Isogenic Control Neurospheres treated with Cay10566

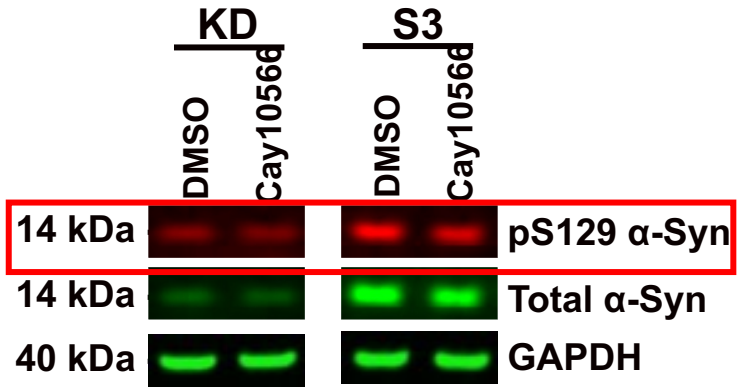


Blot was cut, only top piece is shown

Figure 5D: pS129 a-Syn Panels
Imaged with LiCor Odyssey DIx System

S3 DMSO – Disease Neurospheres treated with DMSO control
S3 Cay10566 – Disease Neurospheres treated with Cay10566
KD DMSO – Isogenic Control Neurospheres treated with DMSO control
KD Cay10566 – Isogenic Control Neurospheres treated with Cay10566

Blot was cut, both pieces shown



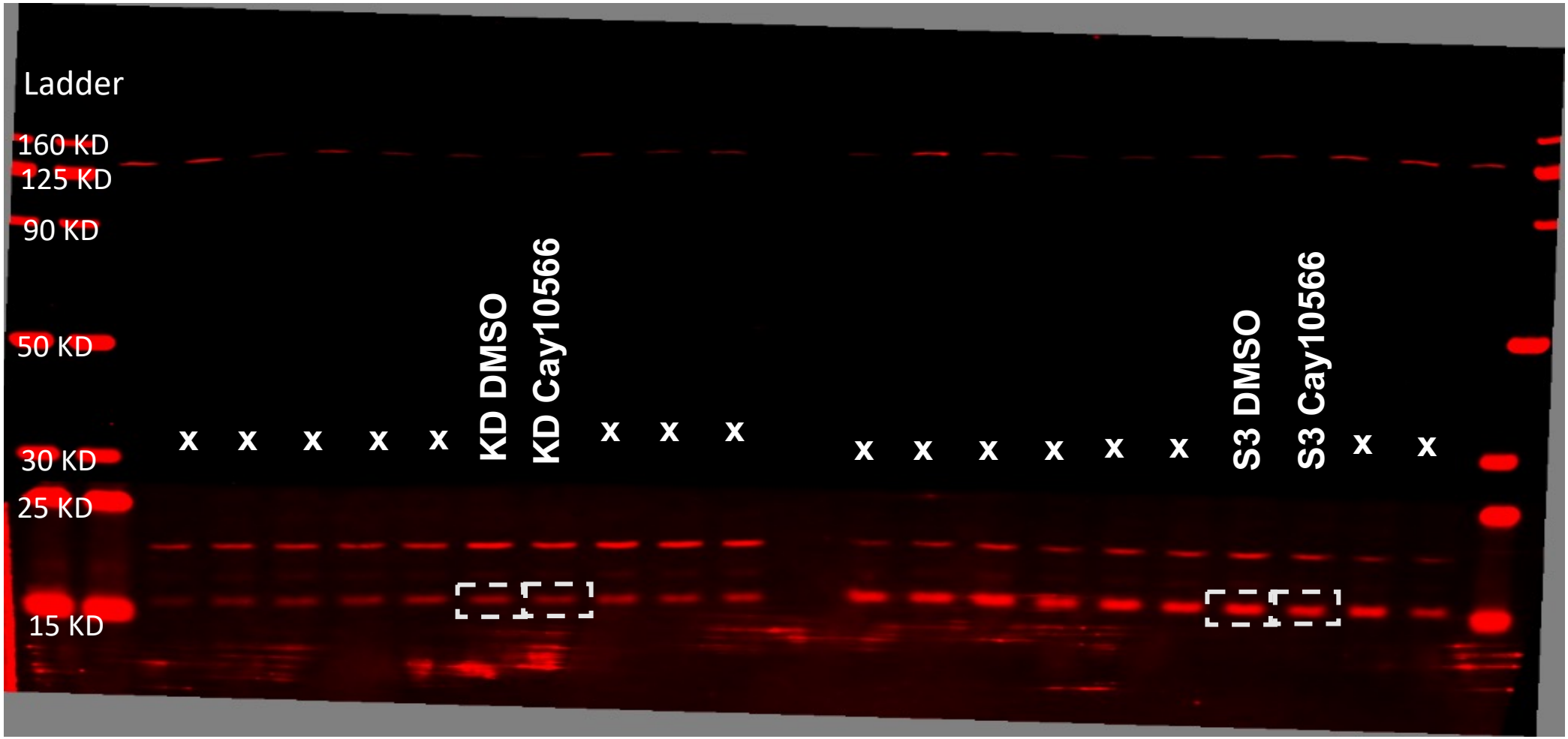


Figure 5D: Total a-Syn Panels
Imaged with LiCor Odyssey DIx System

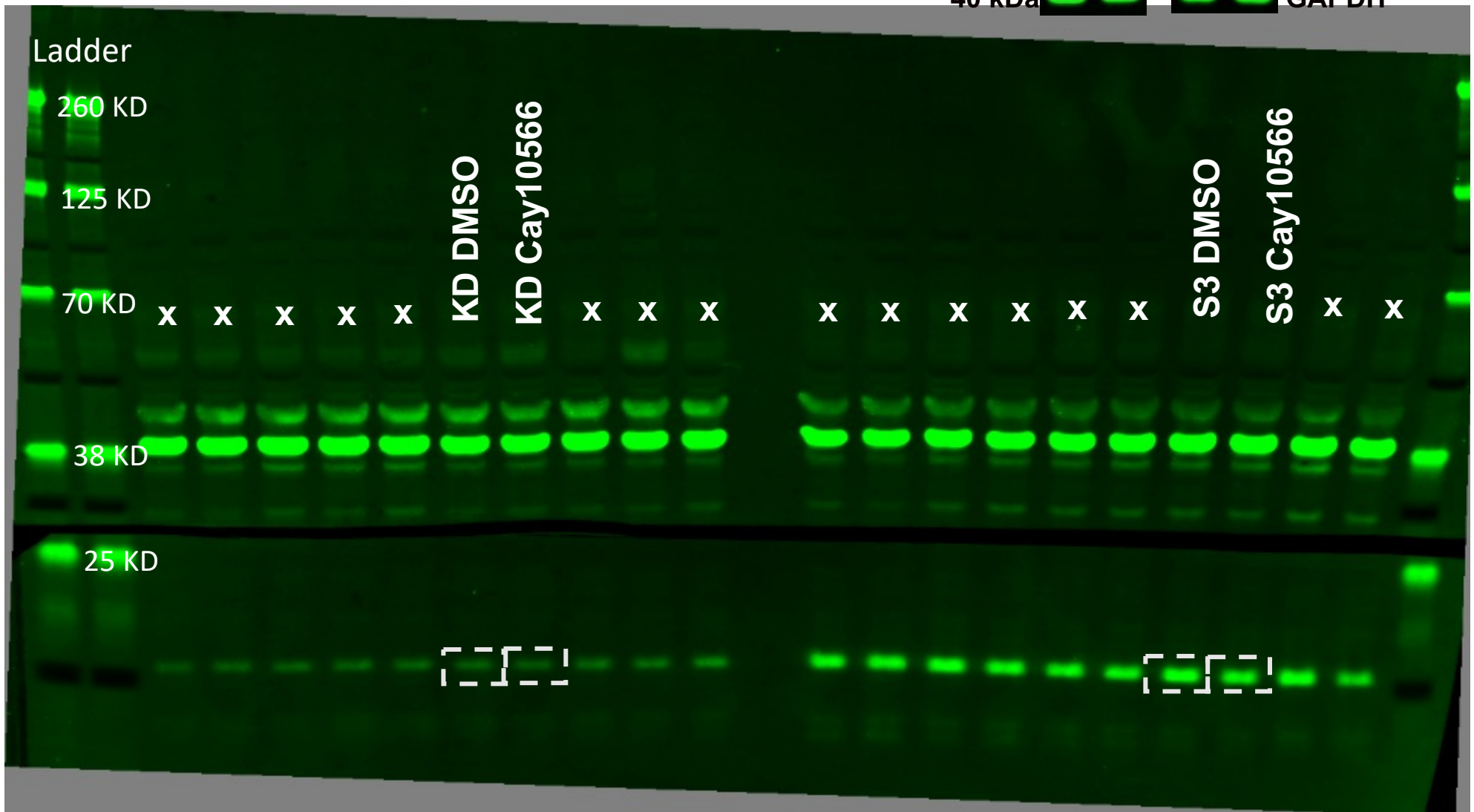
S3 DMSO – Disease Neurospheres treated with DMSO control

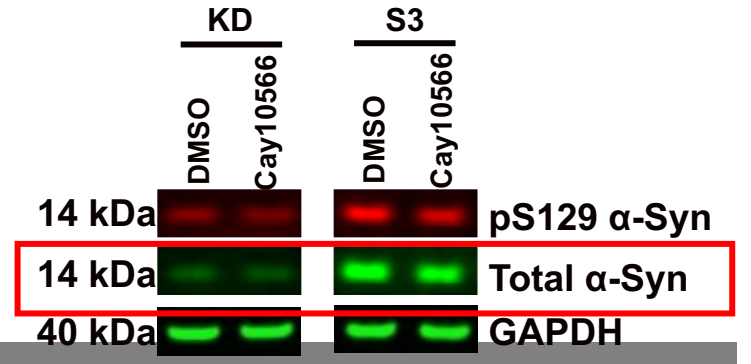
S3 Cay10566 – Disease Neurospheres treated with Cay10566

KD DMSO – Isogenic Control Neurospheres treated with DMSO control

KD Cay10566 – Isogenic Control Neurospheres treated with Cay10566

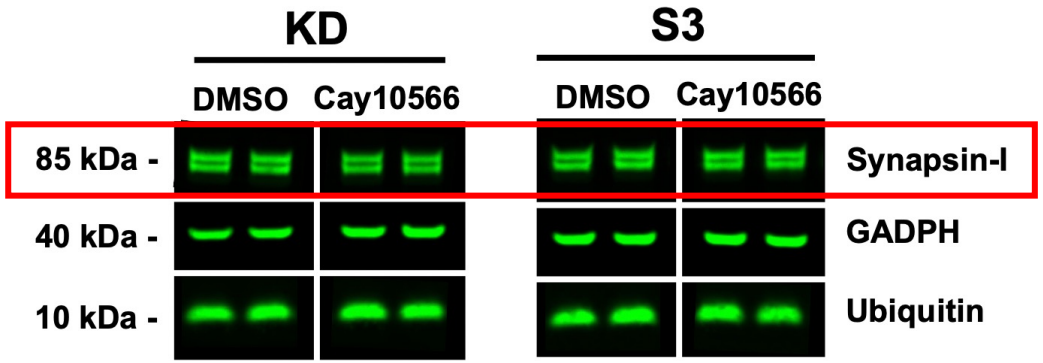
Blot was cut, both pieces shown

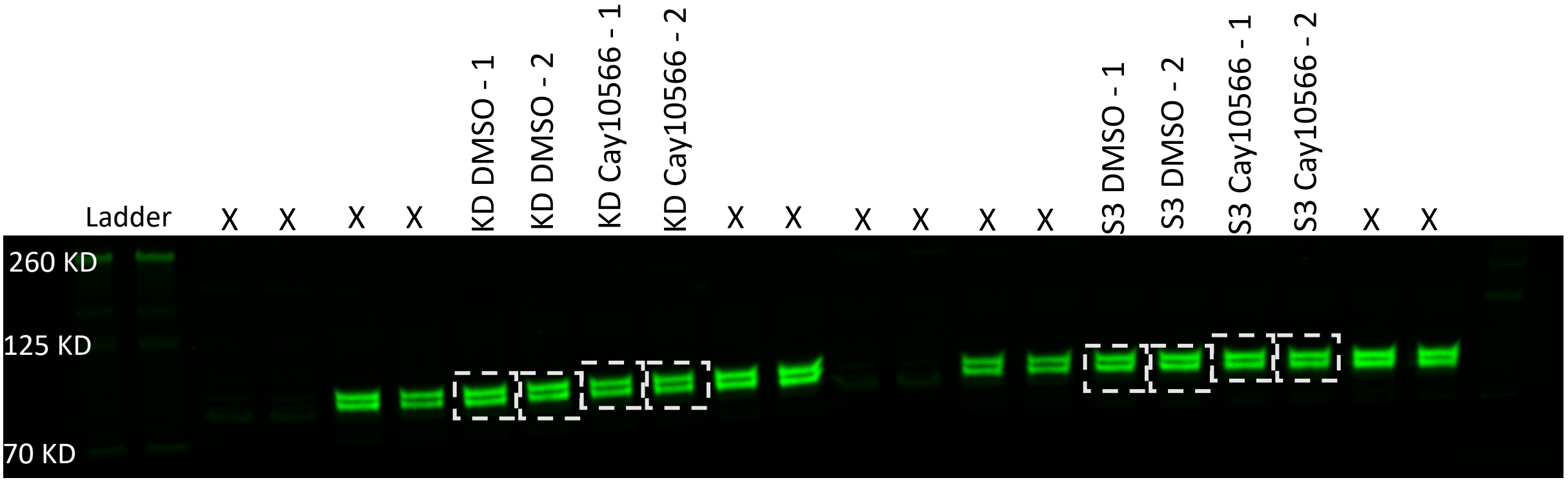




Supplementary Figure 8: Synapsin-I Panels
Imaged with LiCor Odyssey Dlx System

S3 DMSO – Disease Neurospheres treated with DMSO control
S3 Cay10566 – Disease Neurospheres treated with Cay10566
KD DMSO – Isogenic Control Neurospheres treated with DMSO control
KD Cay10566 – Isogenic Control Neurospheres treated with Cay10566

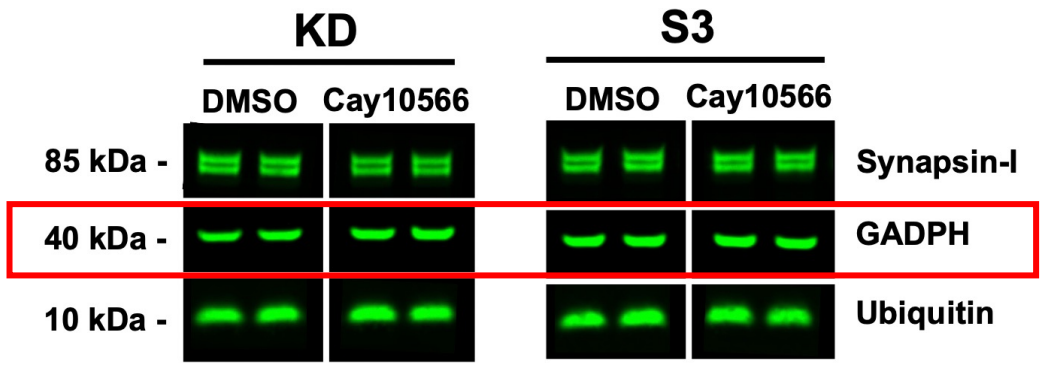


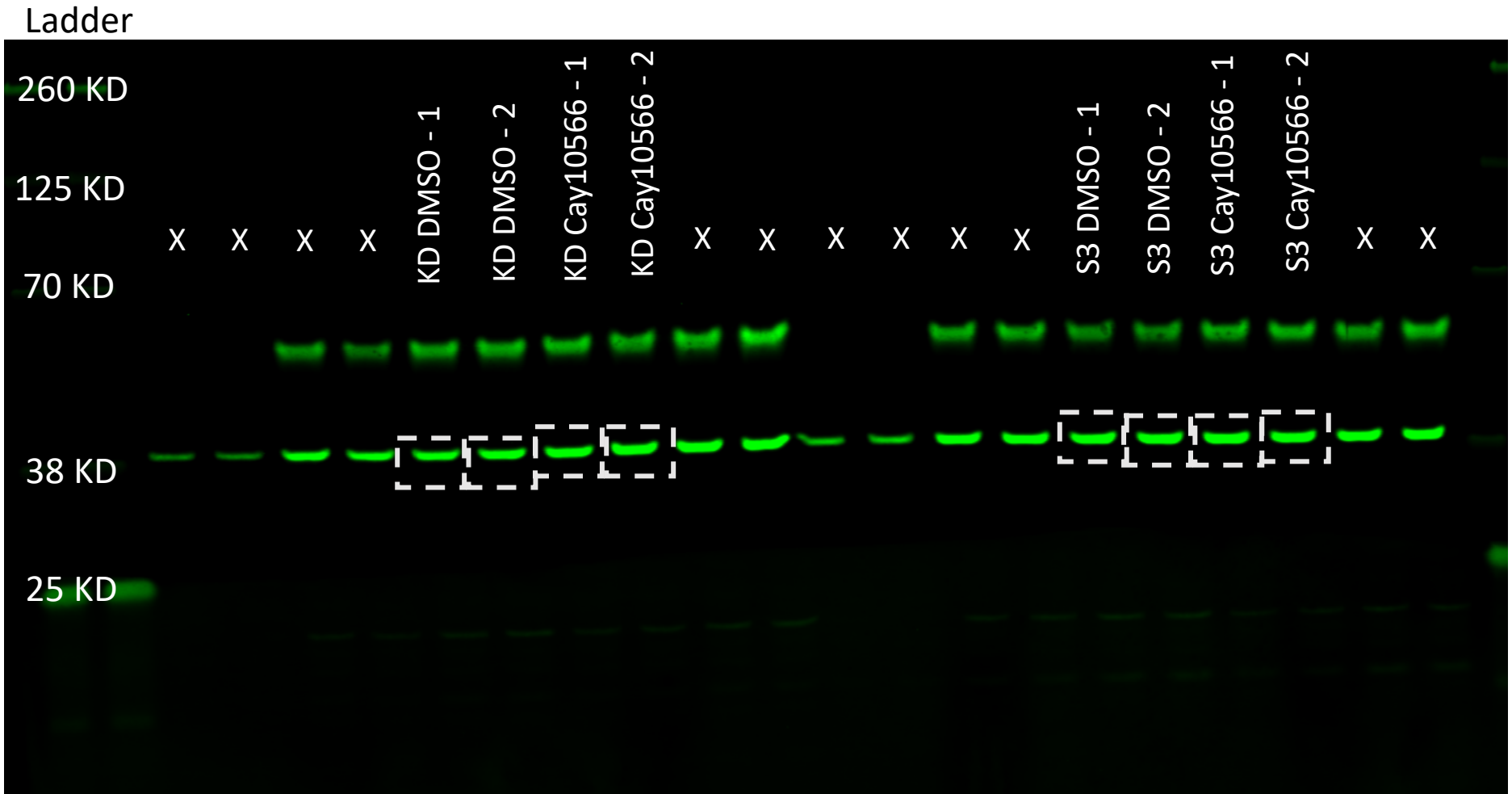


Blot was cut, only top piece shown

Supplementary Figure 8: GAPDH Panels
Imaged with LiCor Odyssey Dlx System

S3 DMSO – Disease Neurospheres treated with DMSO control
S3 Cay10566 – Disease Neurospheres treated with Cay10566
KD DMSO – Isogenic Control Neurospheres treated with DMSO control
KD Cay10566 – Isogenic Control Neurospheres treated with Cay10566





Blot was cut, both pieces shown

Supplementary Figure 8: Ubiquitin Panels
Imaged with LiCor Odyssey Dlx System

S3 DMSO – Disease Neurospheres treated with DMSO control
S3 Cay10566 – Disease Neurospheres treated with Cay10566
KD DMSO – Isogenic Control Neurospheres treated with DMSO control
KD Cay10566 – Isogenic Control Neurospheres treated with Cay10566