Full unedited gel for Figures in

METTL14-mediated m6A epitranscriptomic modification contributes to chemotherapy-induced neuropathic pain by stabilizing GluN2A expression via IGF2BP2
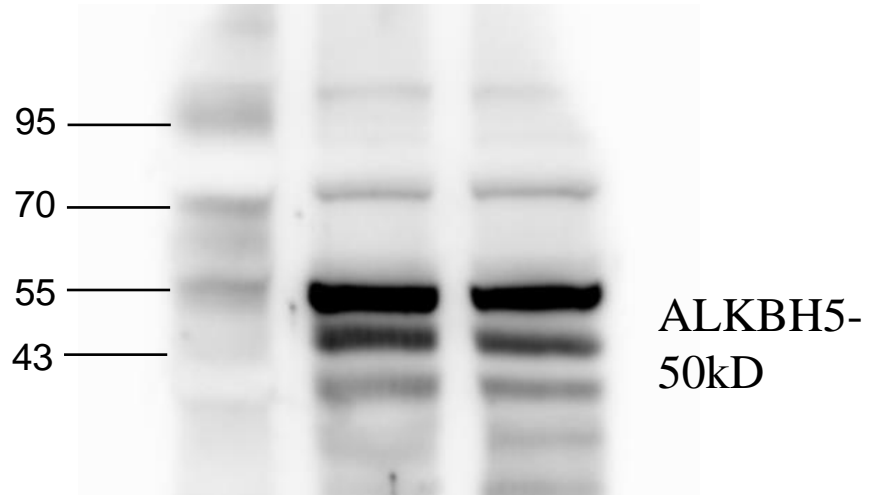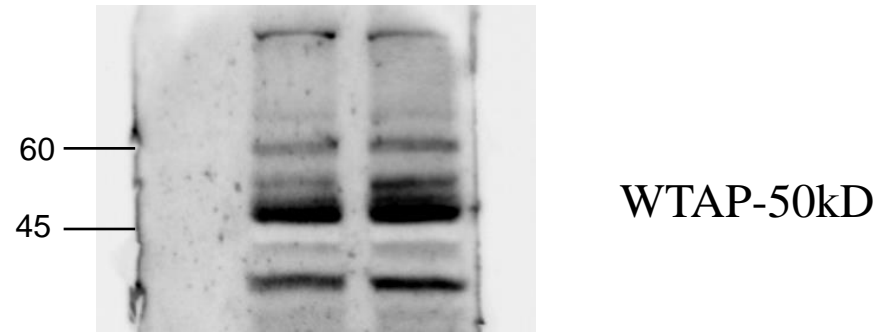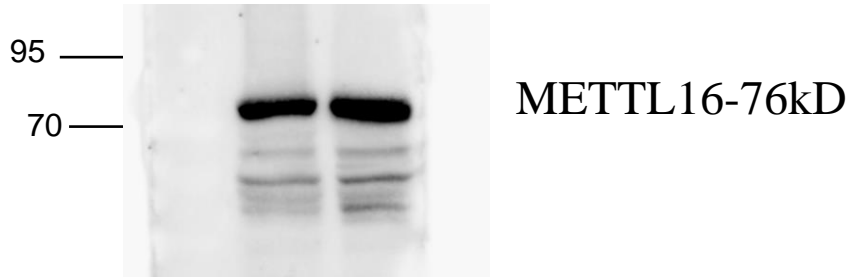
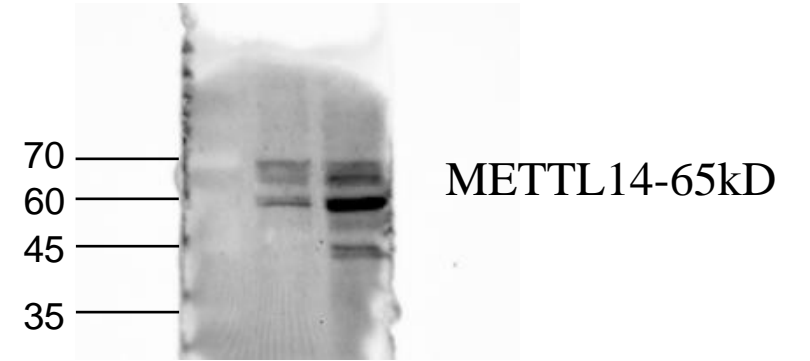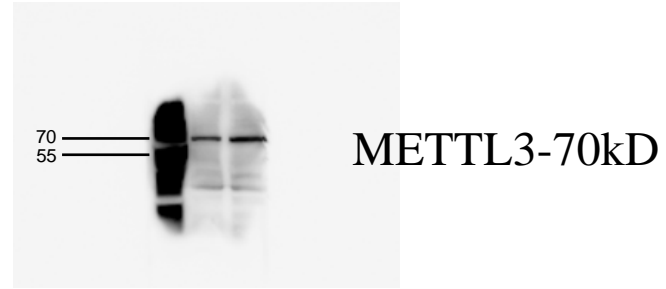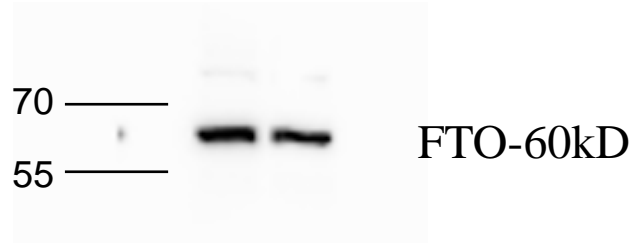Weicheng Lu[1,†], Xiaohua Yang[1,†], Weiqiang Zhong[1,†], Guojun Chen[1,†], Xinqi Guo[2], Qingqing Ye[1], Yixin Xu[1], Zhenhua Qi[1], Yaqi Ye[1], Jingyun Zhang[3], Yuge Wang[3], Xintong Wang[1], Shu Wang[1], Qiyue Zhao[2], Weian Zeng[1], Junting Huang[3*], Huijie Ma[2*], Jingdun Xie[1*]

[1] Department of Anesthesiology, State Key Laboratory of Oncology in South China, Sun Yat-sen University Cancer Center, Guangzhou, Guangdong 510060, China.
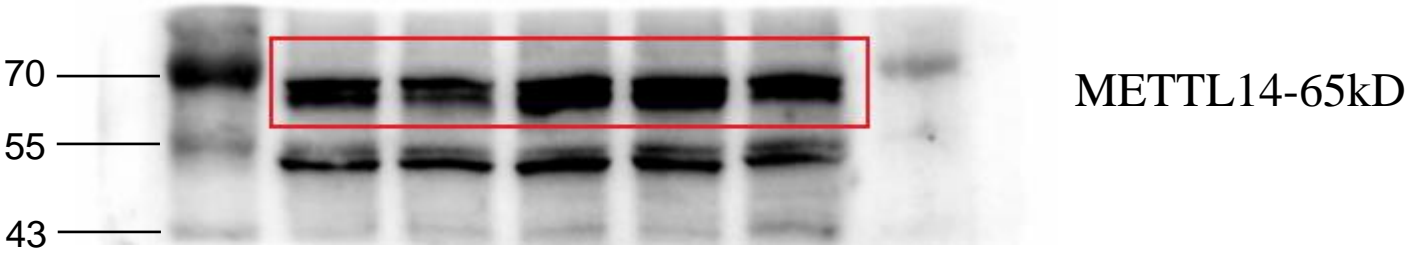
[2] Department of Physiology, Hebei Medical University, Shijiazhuang, Hebei, 050017, China.

[3] Department of Anatomy and Neurobiology, Zhongshan School of Medicine, Sun Yat-sen University, Guangzhou, Guangdong 510080, China
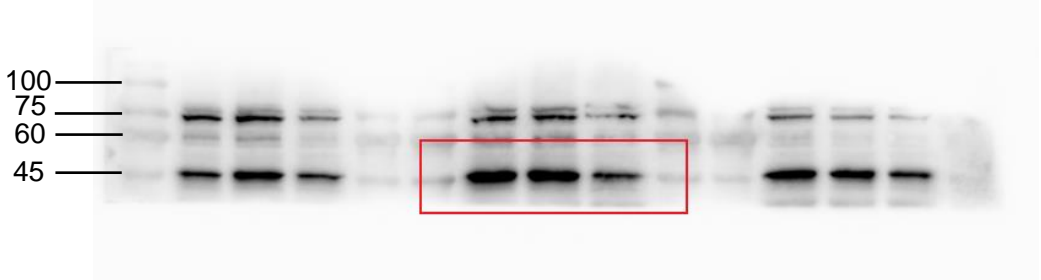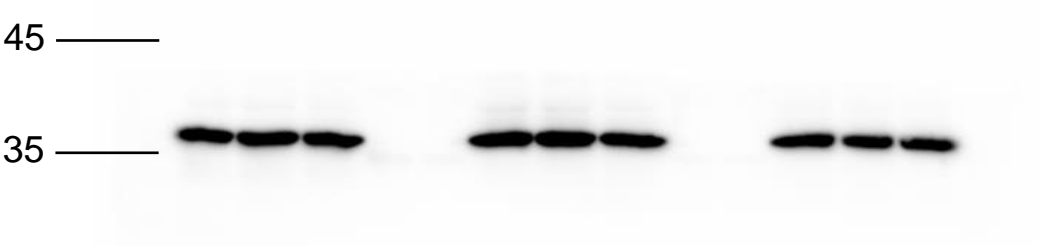
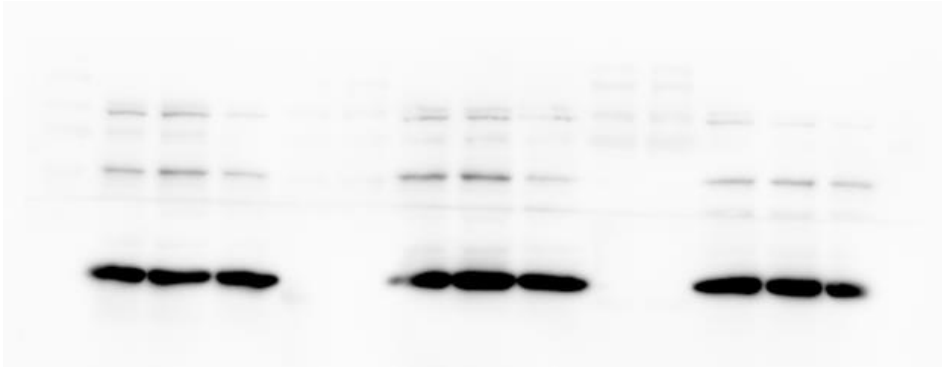Full unedited gel for Figure1F

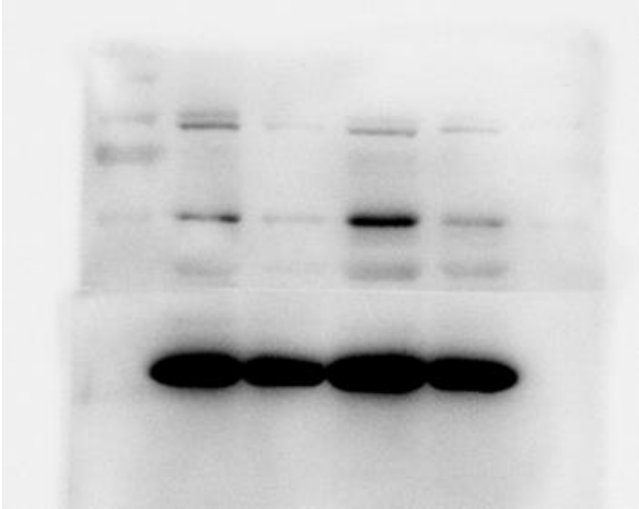Full unedited gel for Figure 1H

70 ——

55 ——

43 ——

METTL14-65kD

43 ——

33 ——

GAPDH-36kD

Full unedited gel for Figure 3B

METTL14-65kD

100
75
60
45

45

35

GAPDH-36kD

Merged

Full unedited gel for Figure 3E

180 ———
140 ———
100 ———
75 ———

METTL14-65kD

60 ———

45 ———

45 ———

GAPDH-36kD

35 ———

Merged

Full unedited gel for Figure 3H

140 —

100 —

75 —

60 —

45 —

METTL14-65kD

45 —

35 —

GAPDH-36kD

Merged

Full unedited gel for Figure 6B

METTL14-65kD

GluN2A-
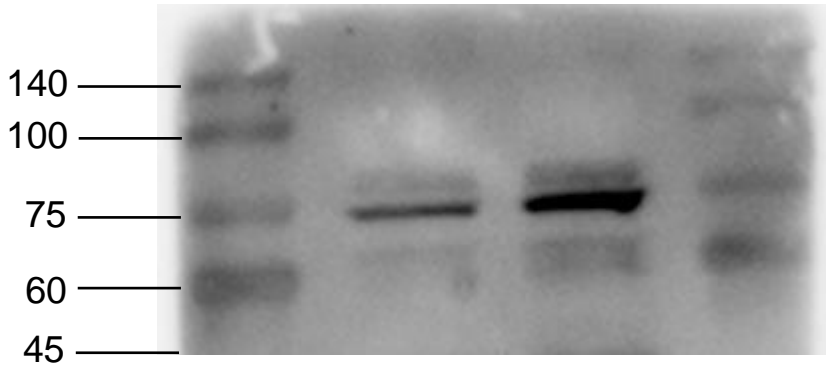180kD

Merged

GAPDH-36kD

Full unedited gel for Figure 6D

METTL14-65kD

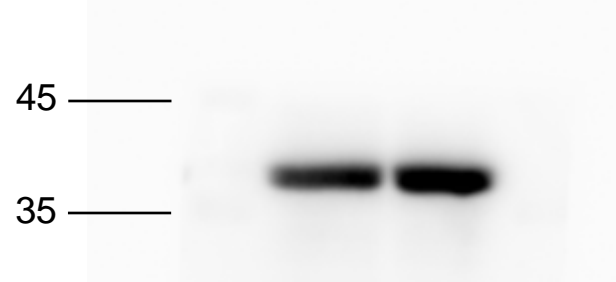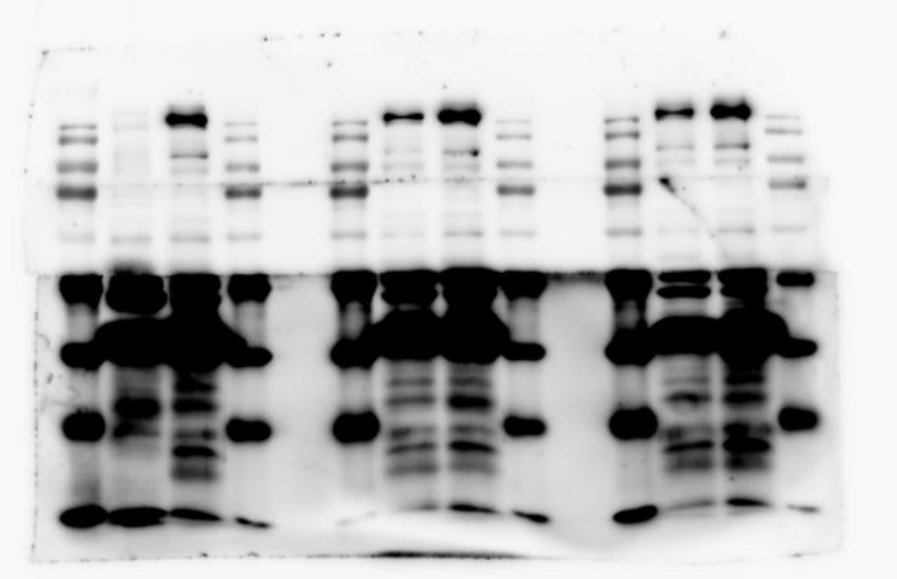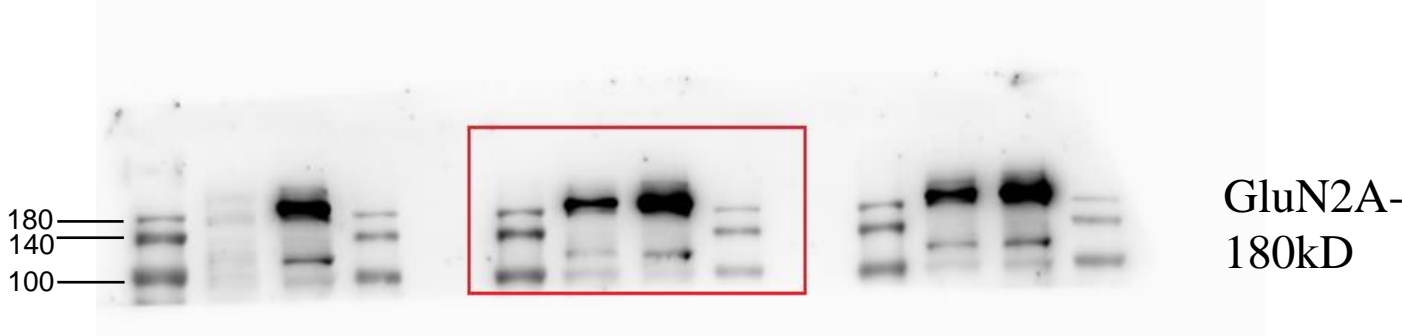GluN2A-180kD

GAPDH-36kD

Merged

Full unedited gel for Figure 6F

METTL14-65kD
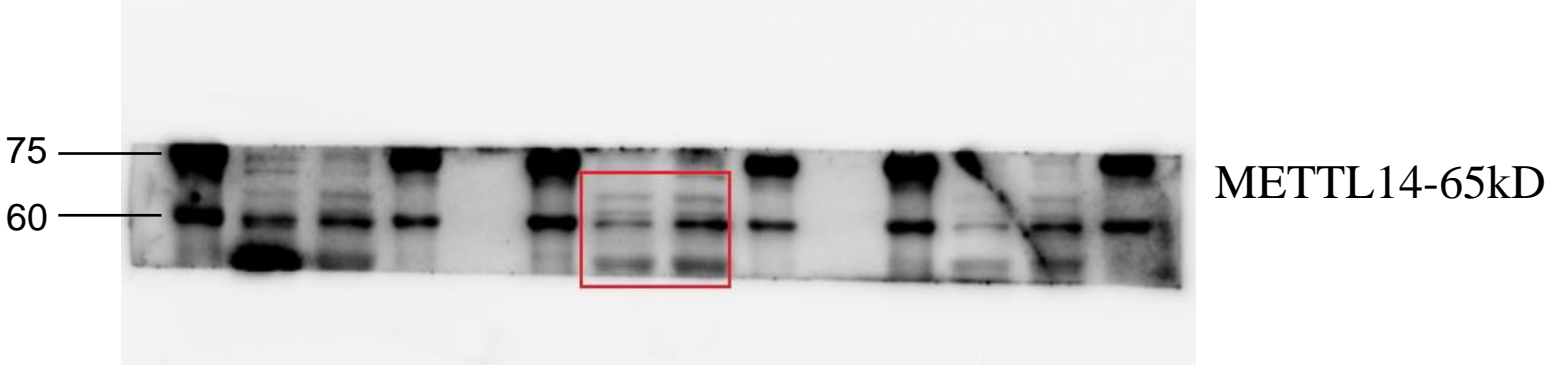
GluN2A-
180kD

GAPDH-36kD

Full unedited gel for Figure 8F

METTL14-65kD

GAPDH-36kD

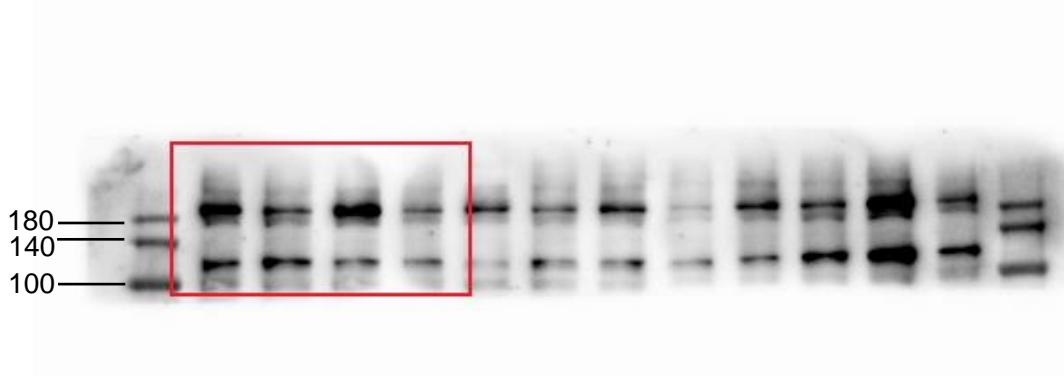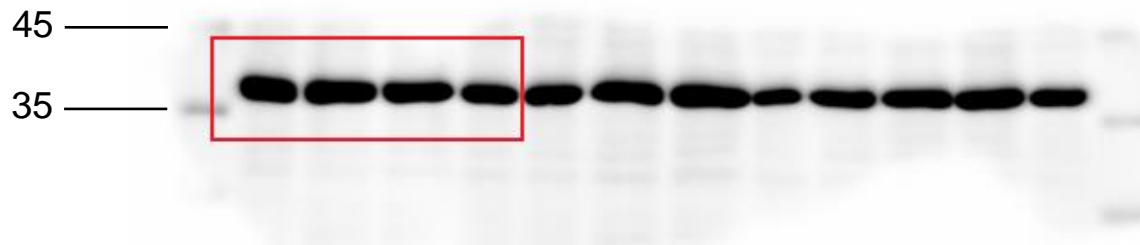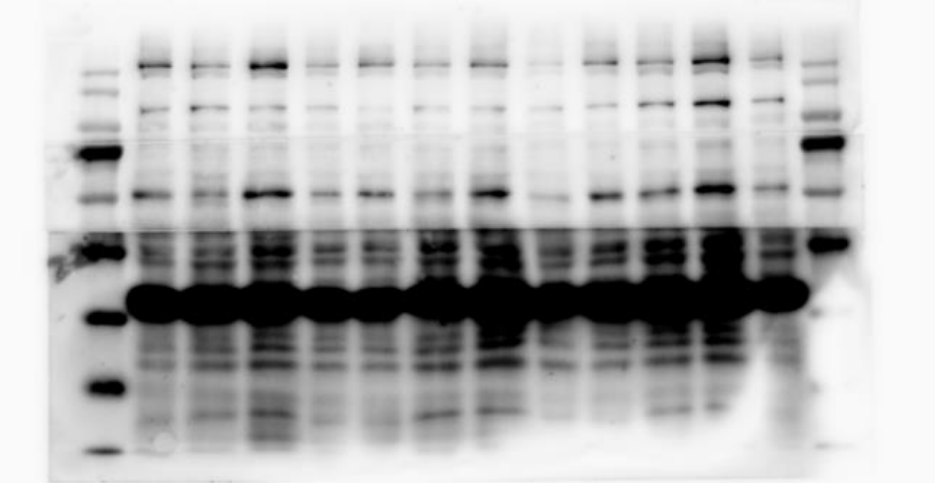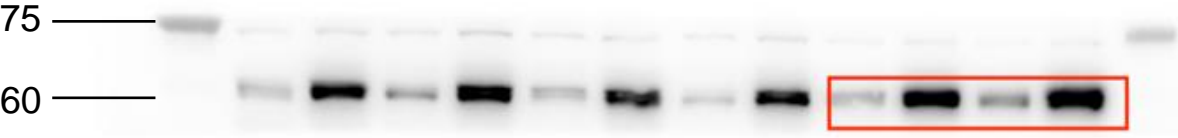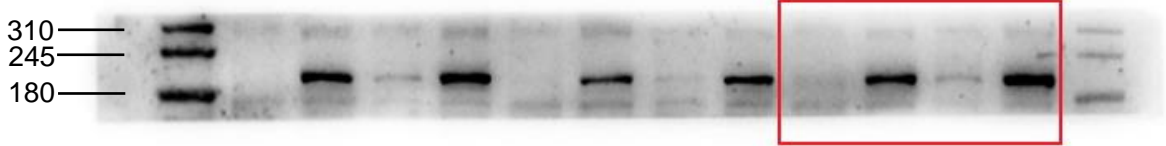Full unedited gel for Figure 9F

75 ——

60 ——   IGF2BP2-65kD

45 ——

35 ——   GAPDH-36kD

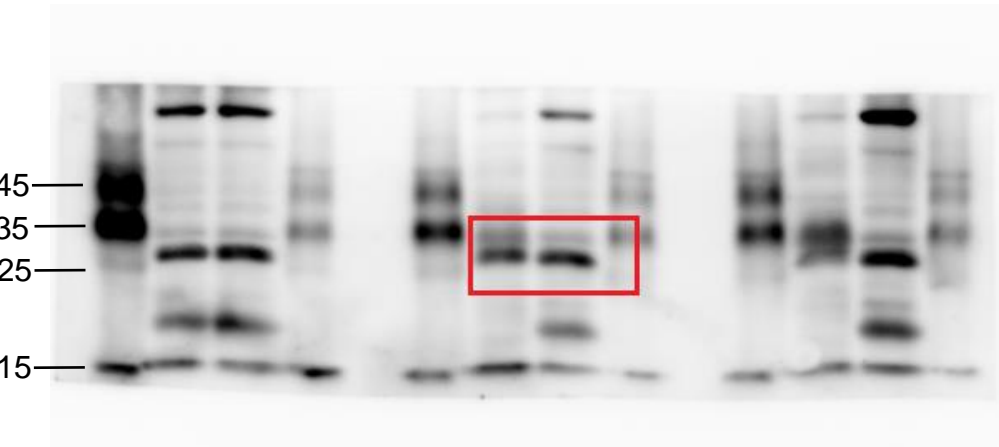25 ——

Full unedited gel for Figure 9G
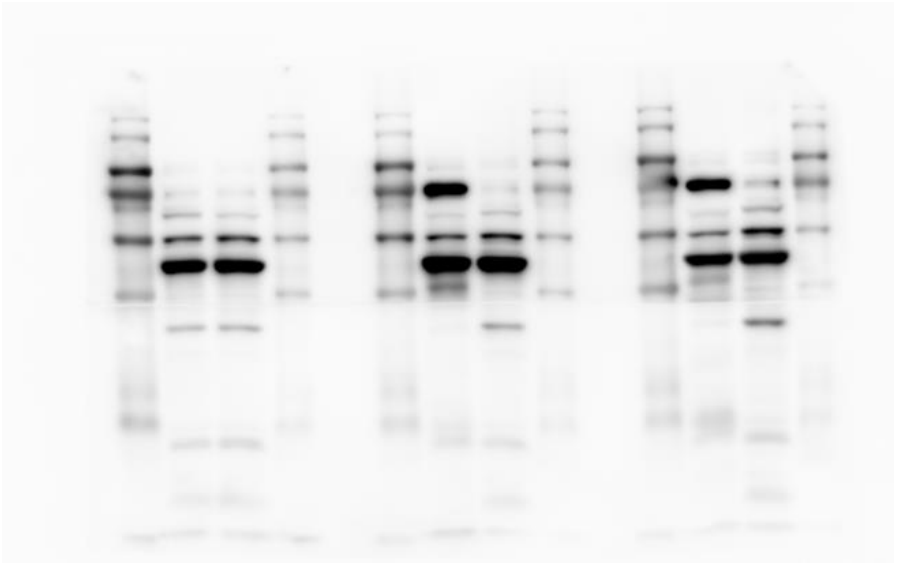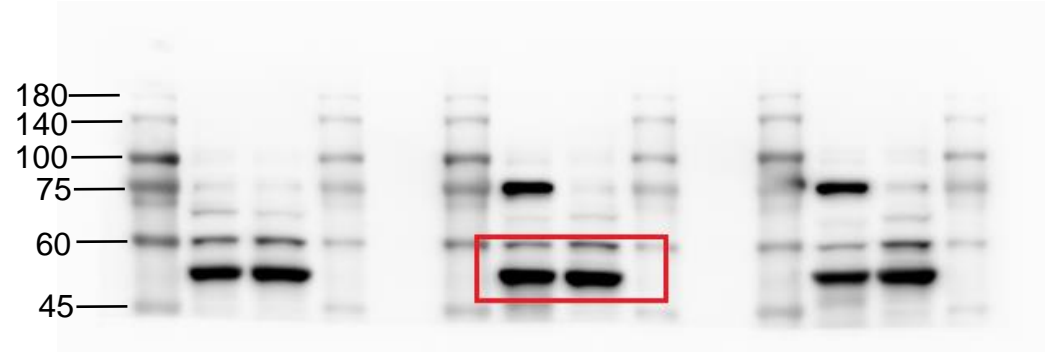
IGF2BP1-71kD

IGF2BP2-65kD

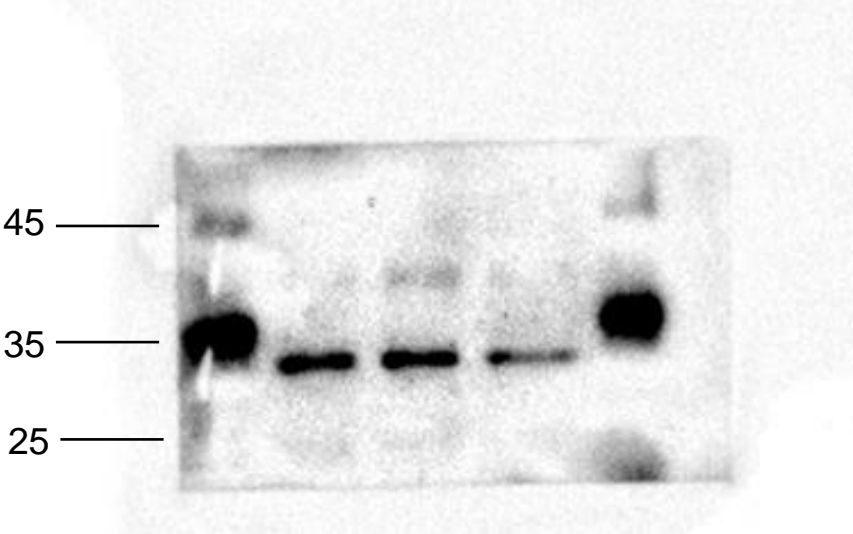IGF2BP3-70kD

GAPDH-36kD

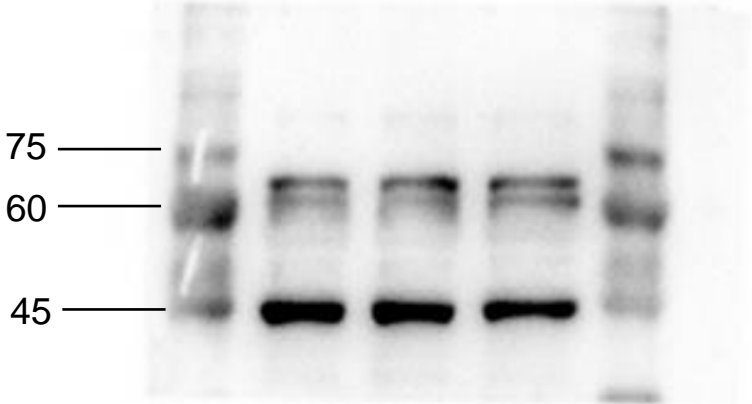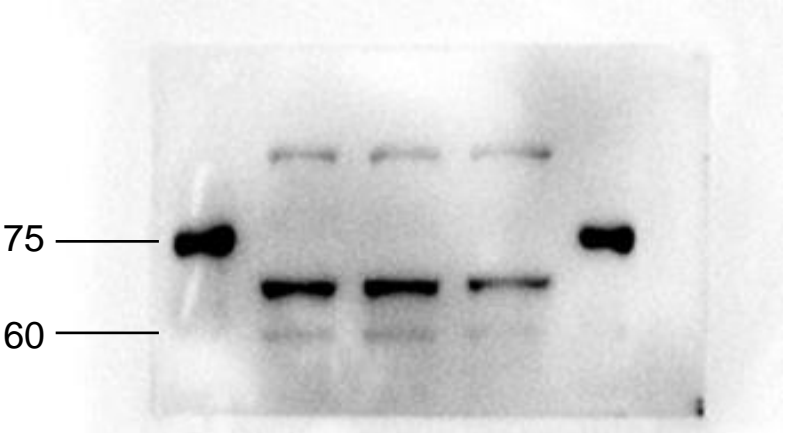Full unedited gel for Figure 10C

DBP-34kD

Merged

β-tubulin-
50kD

Full unedited gel for Figure 10E

DBP-34kD

β-tubulin-
50kD

METTL14-65kD

Full unedited gel for Figure S5C

GluN1-120kD

GluN2B-166kD

GAPDH for GluN2B

36kD

GAPDH for GluN1

36kD