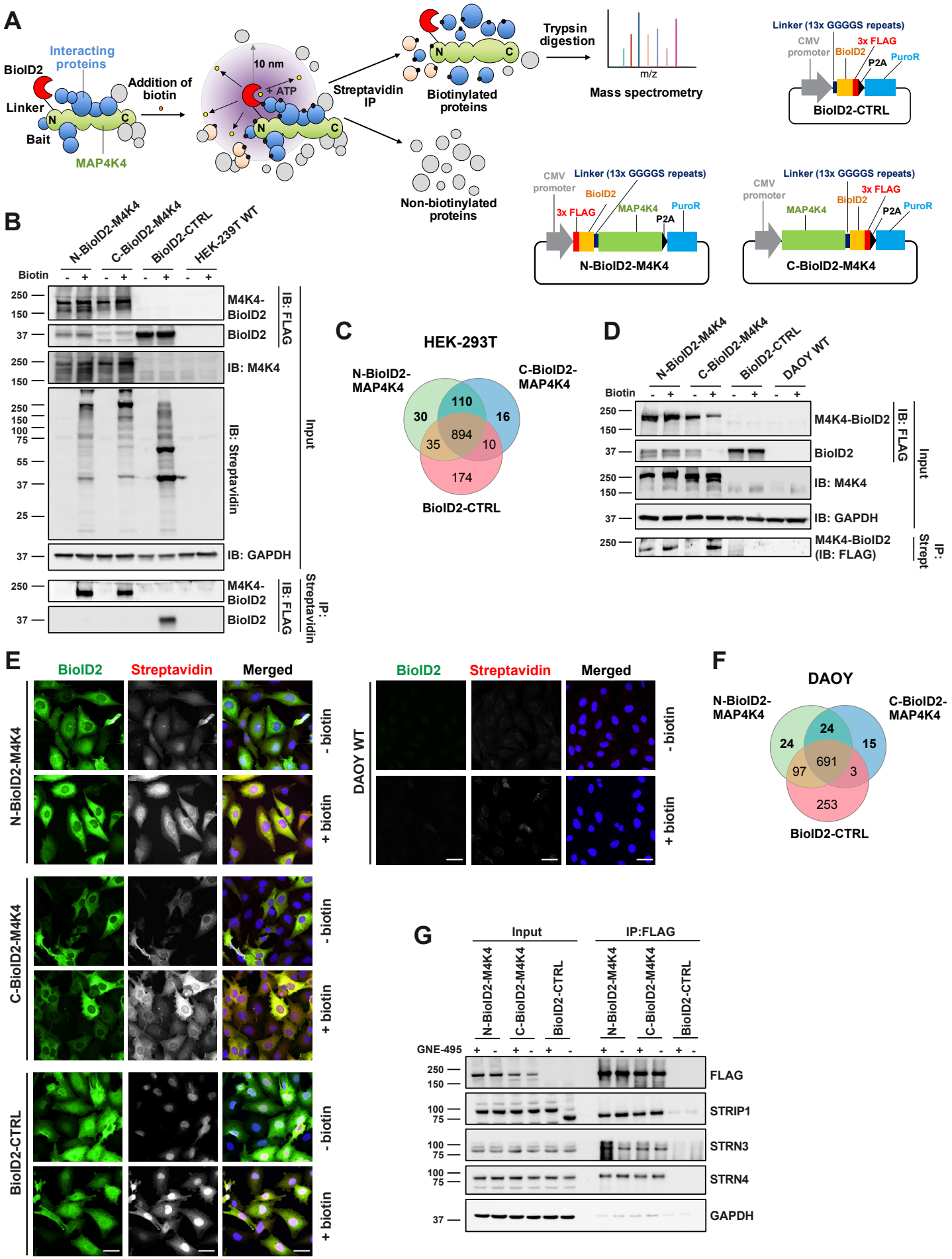
Figure S1


A
Interacting proteins
BioID2
Linker
Bait
MAP4K4
Addition of biotin
10 nm
+ ATP
Streptavidin IP
Biotinylated proteins
Non-biotinylated proteins
Trypsin digestion
m/z
Mass spectrometry
Linker (13x GGGGS repeats)
CMV promoter
3x FLAG
BioID2
P2A
PuroR
BioID2-CTRL
N-BioID2-M4K4
C-BioID2-M4K4
B
N-BioID2-M4K4
C-BioID2-M4K4
BioID2-CTRL
HEK-239T WT
Biotin
M4K4-BioID2
BioID2
IB: FLAG
IB: M4K4
IB: Streptavidin
IB: GAPDH
Input
IP: Streptavidin
C
HEK-293T
N-BioID2-MAP4K4
C-BioID2-MAP4K4
BioID2-CTRL
110
30
16
894
35
10
174
D
N-BioID2-M4K4
C-BioID2-M4K4
BioID2-CTRL
DAOY WT
Biotin
M4K4-BioID2
BioID2
IB: M4K4
IB: GAPDH
M4K4-BioID2 (IB: FLAG)
IP: Strept
E
BioID2
Streptavidin
Merged
N-BioID2-M4K4
C-BioID2-M4K4
BioID2-CTRL
DAOY WT
- biotin
+ biotin
F
DAOY
N-BioID2-MAP4K4
C-BioID2-MAP4K4
BioID2-CTRL
24
24
15
691
97
3
253
G
Input
IP:FLAG
N-BioID2-M4K4
C-BioID2-M4K4
BioID2-CTRL
GNE-495
FLAG
STRIP1
STRN3
STRN4
GAPDH