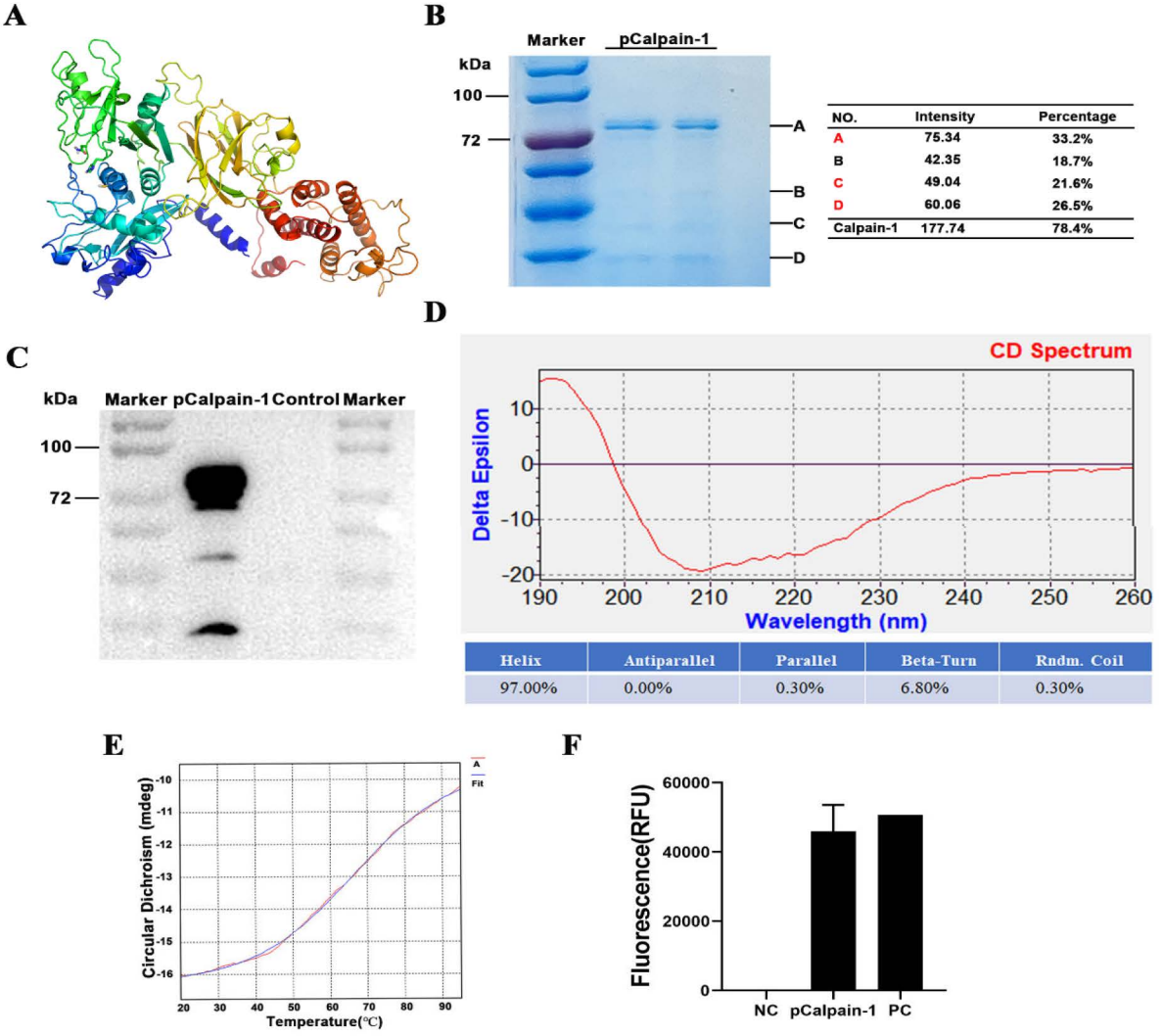
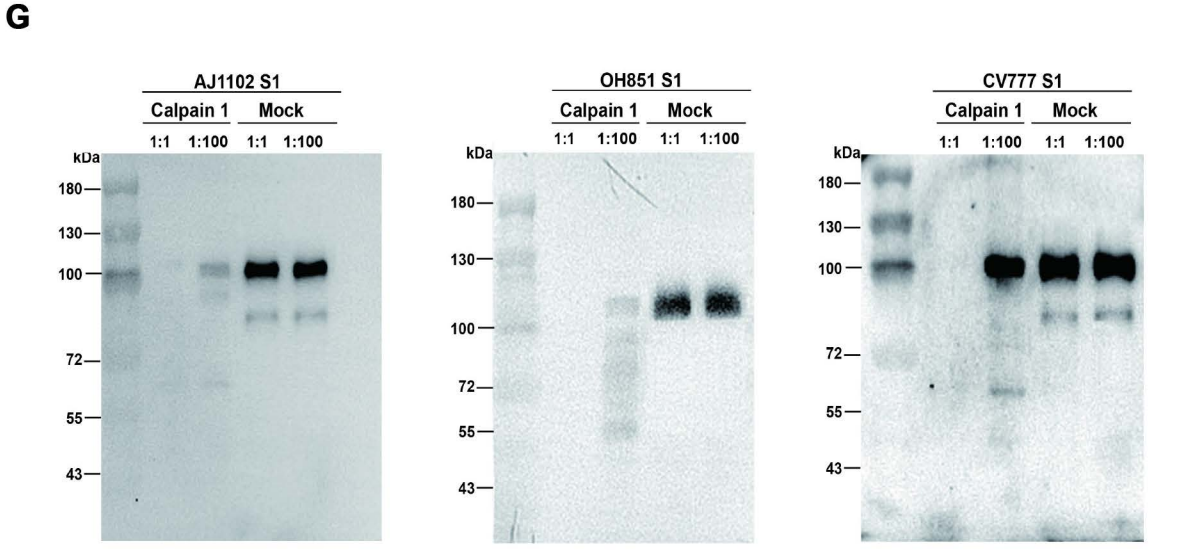
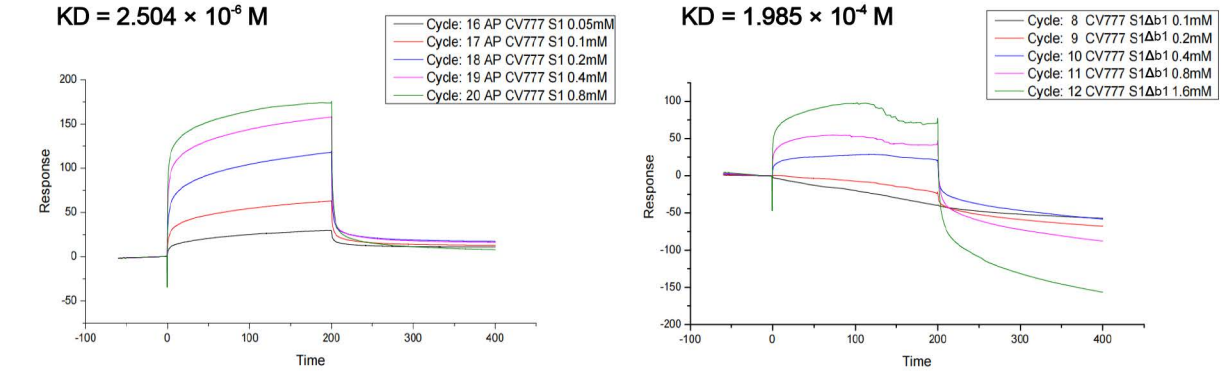

A
B
Marker
pCalpain-1
kDa
100
72
A
B
C
D
NO. Intensity Percentage
A 75.34 33.2%
B 42.35 18.7%
C 49.04 21.6%
D 60.06 26.5%
Calpain-1 177.74 78.4%
C
kDa
Marker pCalpain-1 Control Marker
100
72
D
CD Spectrum
Delta Epsilon
Wavelength (nm)
Helix Antiparallel Parallel Beta-Turn Rndm. Coil
97.00% 0.00% 0.30% 6.80% 0.30%
E
Circular Dichroism (mdeg)
Temperature(℃)
F
Fluorescence(RFU)
NC pCalpain-1 PC


G
AJ1102 S1
OH851 S1
CV777 S1
Calpain 1
Mock
1:1 1:100 1:1 1:100
kDa
180
130
100
72
55
43


H
KD = 2.504 × 10-6 M
Cycle: 16 AP CV777 S1 0.05mM
Cycle: 17 AP CV777 S1 0.1mM
Cycle: 18 AP CV777 S1 0.2mM
Cycle: 19 AP CV777 S1 0.4mM
Cycle: 20 AP CV777 S1 0.8mM
Response
Time
KD = 1.985 × 10-4 M
Cycle: 8 CV777 S1Δb1 0.1mM
Cycle: 9 CV777 S1Δb1 0.2mM
Cycle: 10 CV777 S1Δb1 0.4mM
Cycle: 11 CV777 S1Δb1 0.8mM
Cycle: 12 CV777 S1Δb1 1.6mM
Response
Time