DRAWINGS

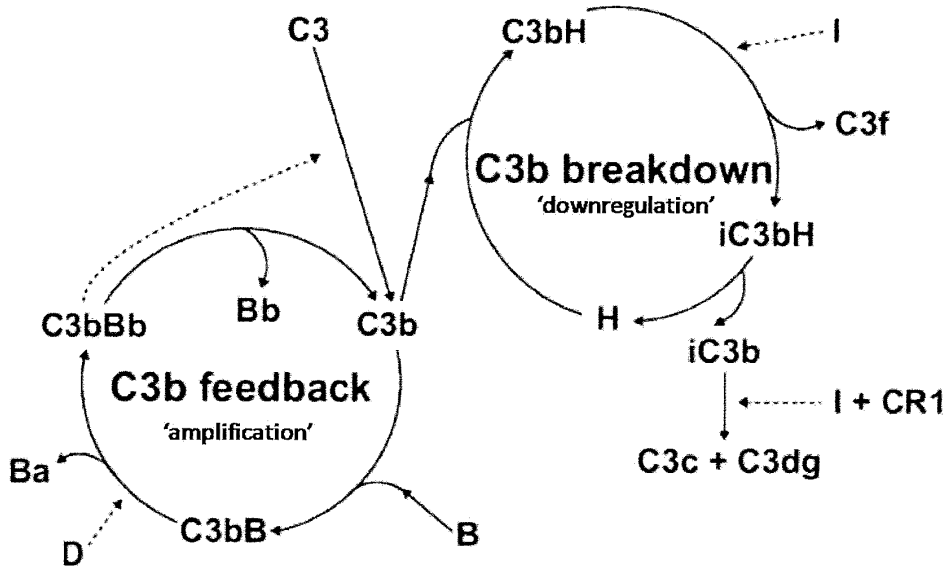


Figure 1

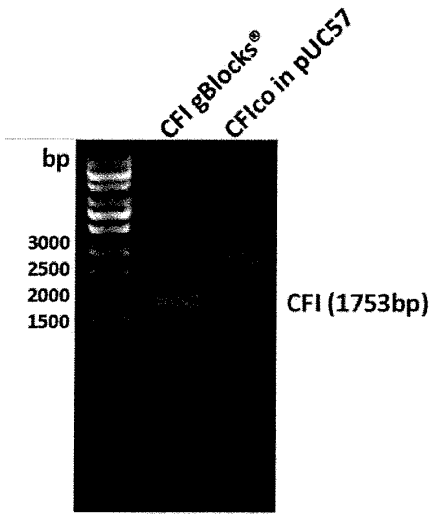


Figure 2

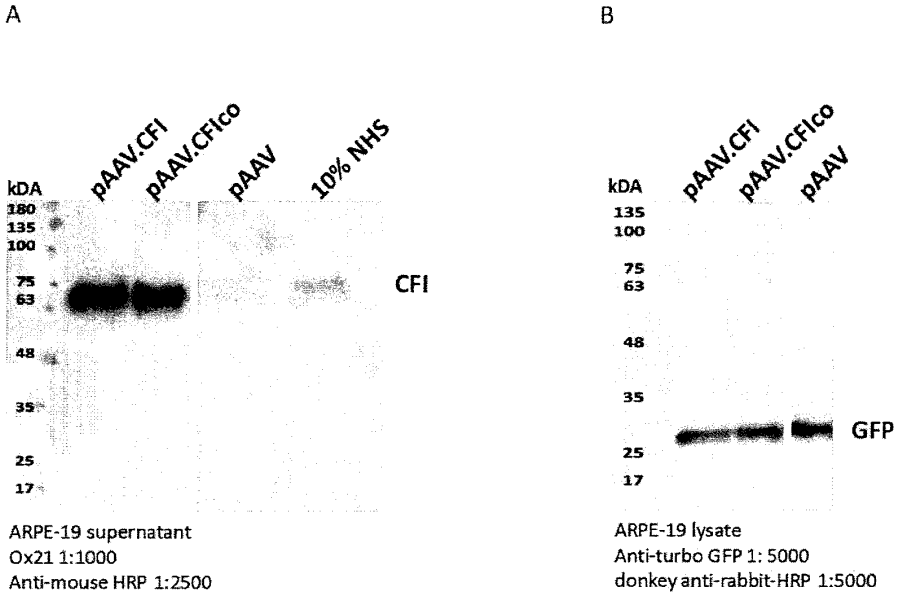

A
pAAV.CFI
pAAV.CFIco
pAAV
10% NHS
kDA
180
135
100
75
63
48
35
25
17
CFI
ARPE-19 supernatant
Ox21 1:1000
Anti-mouse HRP 1:2500
B
pAAV.CFI
pAAV.CFIco
pAAV
kDA
135
100
75
63
48
35
25
17
GFP
ARPE-19 lysate
Anti-turbo GFP 1: 5000
donkey anti-rabbit-HRP 1:5000

Figure 3

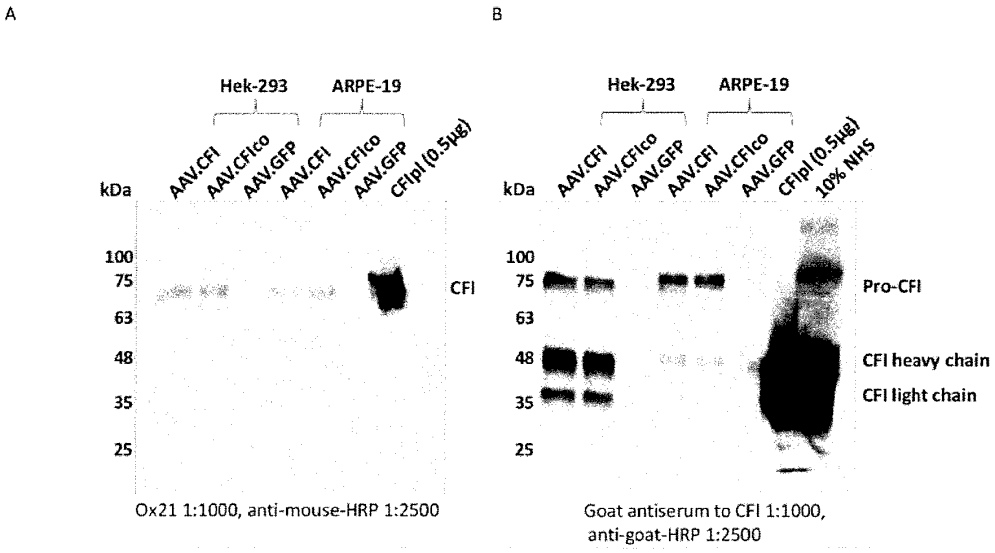

A
Hek-293
ARPE-19
AAV.CFI
AAV.CFIco
AAV.GFP
AAV.CFI
AAV.CFIco
AAV.GFP
CFIpl (0.5µg)
kDa
100
75
63
48
35
25
CFI
Ox21 1:1000, anti-mouse-HRP 1:2500
B
Hek-293
ARPE-19
AAV.CFI
AAV.CFIco
AAV.GFP
AAV.CFI
AAV.CFIco
AAV.GFP
CFIpl (0.5µg)
10% NHS
kDa
100
75
63
48
35
25
Pro-CFI
CFI heavy chain
CFI light chain
Goat antiserum to CFI 1:1000,
anti-goat-HRP 1:2500

Figure 4

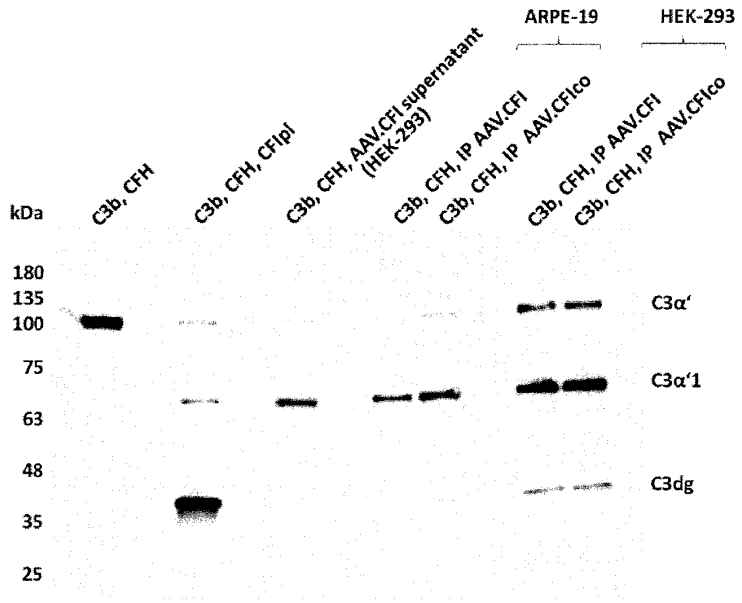

ARPE-19
HEK-293
kDa
C3b, CFH
C3b, CFH, CFIpI
C3b, CFH, AAV.CFI supernatant (HEK-293)
C3b, CFH, IP AAV.CFI
C3b, CFH, IP AAV.CFIco
C3b, CFH, IP AAV.CFI
C3b, CFH, IP AAV.CFIco
180
135
100
75
63
48
35
25
C3α'
C3α'1
C3dg

Figure 5

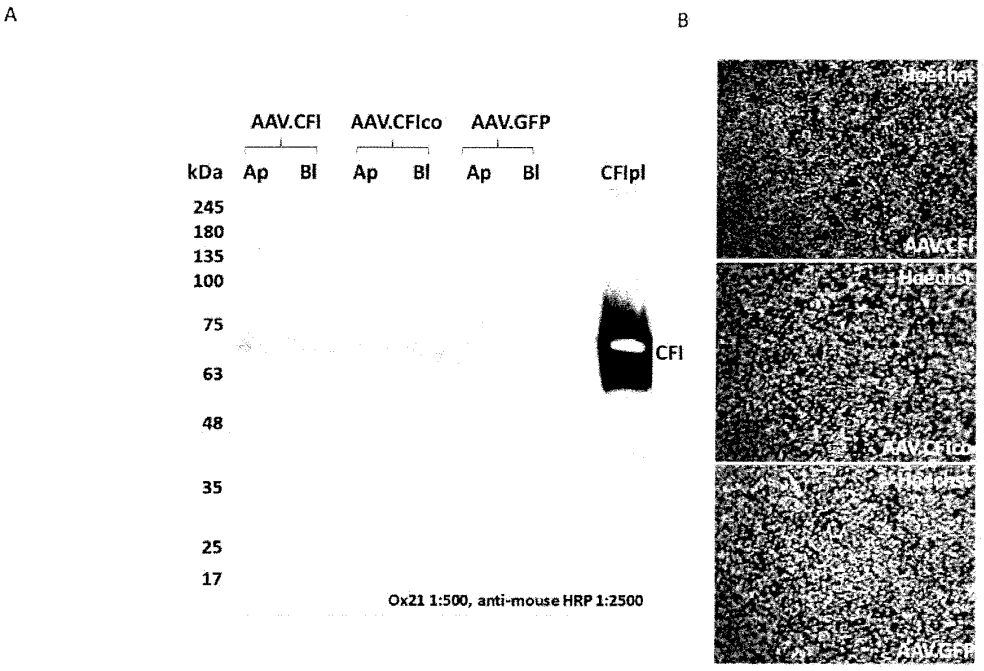
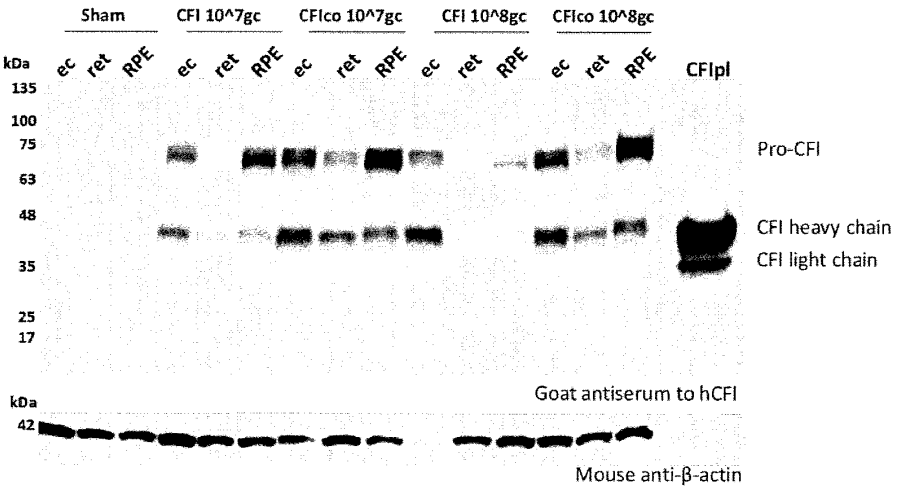

A
B
AAV.CFI
AAV.CFIco
AAV.GFP
kDa
Ap
Bl
Ap
Bl
Ap
Bl
CFIpl
245
180
135
100
75
63
48
35
25
17
CFI
Ox21 1:500, anti-mouse HRP 1:2500
Hoechst
AAV.CFI
Hoechst
AAV.CFIco

Figure 6

A


Sham
CFI 10^7gc
CFIco 10^7gc
CFI 10^8gc
CFIco 10^8gc
kDa
ec
ret
RPE
CFIpl
135
100
75
63
48
35
25
17
Pro-CFI
CFI heavy chain
CFI light chain
Goat antiserum to hCFI
42
Mouse anti-β-actin

B

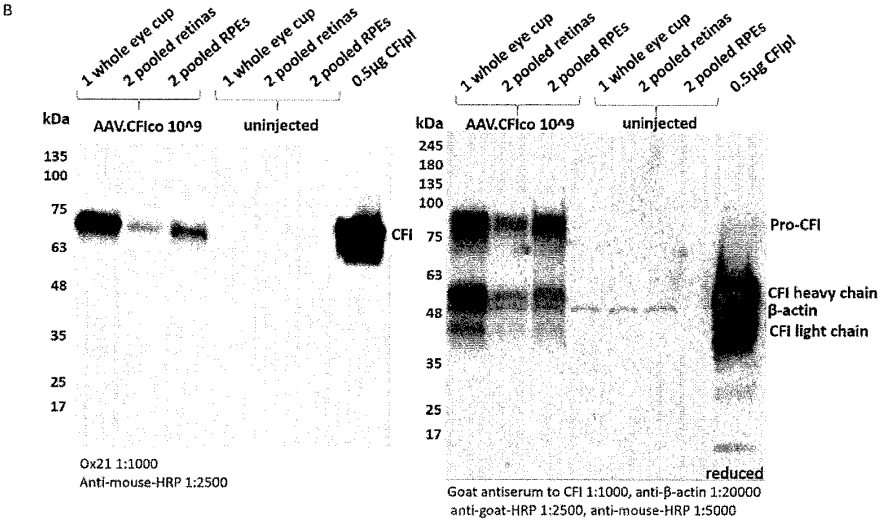

1 whole eye cup
2 pooled retinas
2 pooled RPEs
0.5µg CFIpl
AAV.CFIco 10^9
uninjected
kDa
135
100
75
63
48
35
25
17
CFI
Ox21 1:1000
Anti-mouse-HRP 1:2500
245
180
Pro-CFI
CFI heavy chain
β-actin
CFI light chain
reduced
Goat antiserum to CFI 1:1000, anti-β-actin 1:20000
anti-goat-HRP 1:2500, anti-mouse-HRP 1:5000

Figure 7

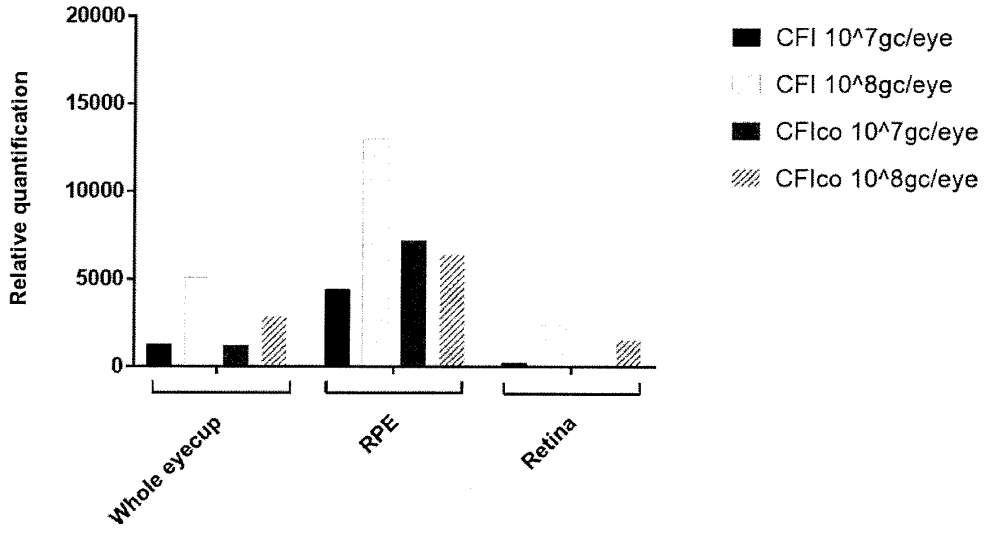

20000
15000
10000
5000
0
Relative quantification
Whole eyecup
RPE
Retina
CFI 10^7gc/eye
CFI 10^8gc/eye
CFIco 10^7gc/eye
CFIco 10^8gc/eye

Figure 8

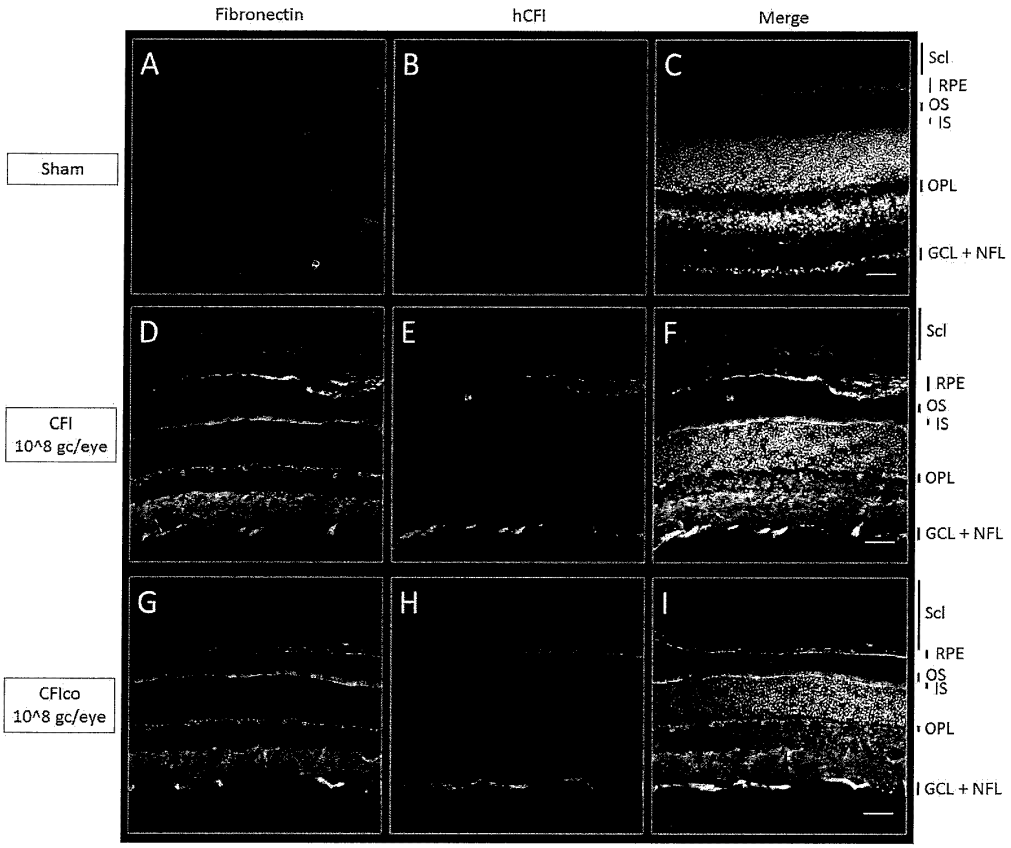

Fibronectin
hCFI
Merge
A
B
C
D
E
F
G
H
I
Sham
CFI
10^8 gc/eye
CFIco
10^8 gc/eye
Scl
RPE
OS
IS
OPL
GCL + NFL

Figure 9

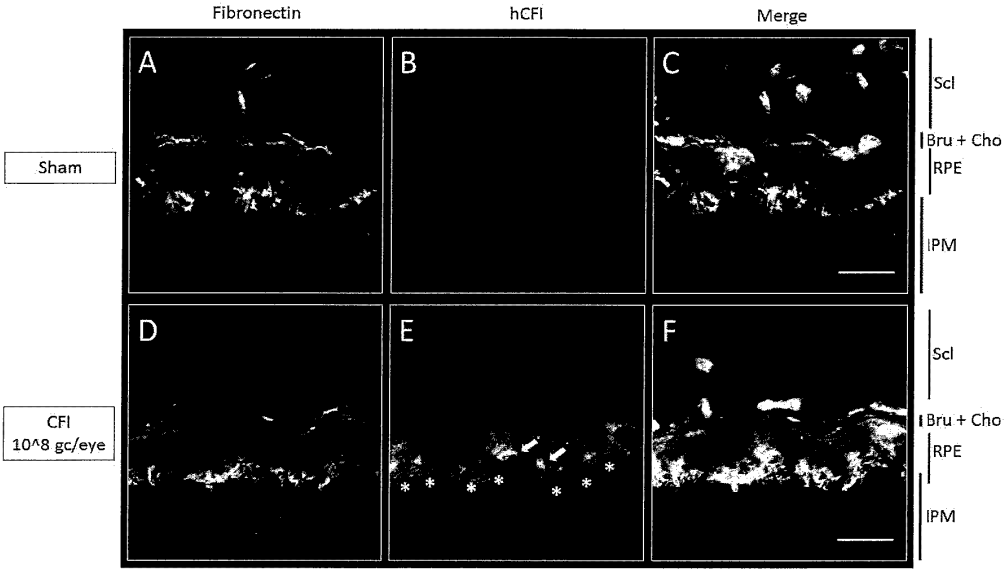

Fibronectin
hCFI
Merge
A
B
C
D
E
F
Sham
CFI
10^8 gc/eye
Scl
Bru + Cho
RPE
IPM
Scl
Bru + Cho
RPE
IPM

Figure 10

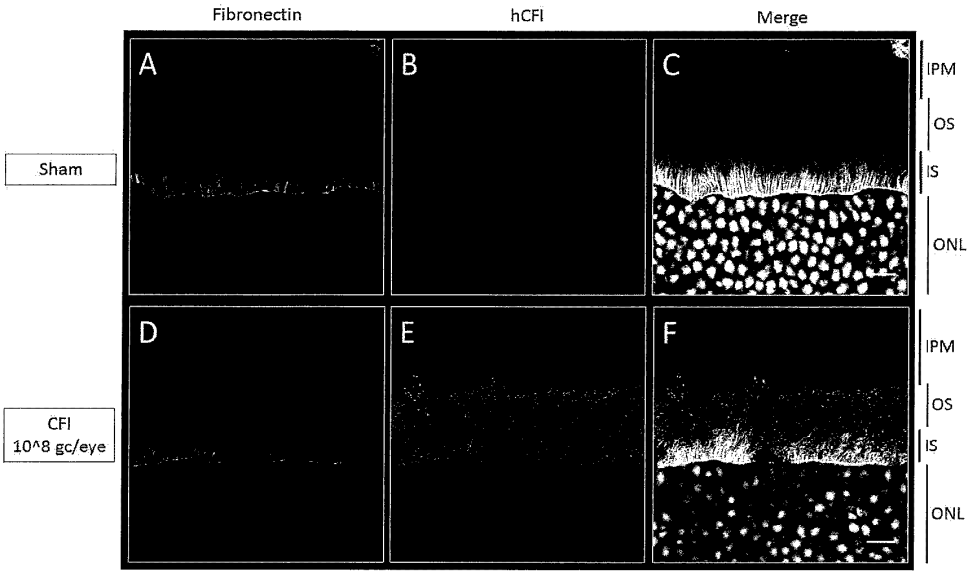

Fibronectin
hCFI
Merge
A
B
C
D
E
F
Sham
CFI
10^8 gc/eye
IPM
OS
IS
ONL
IPM
OS
IS
ONL

Figure 11

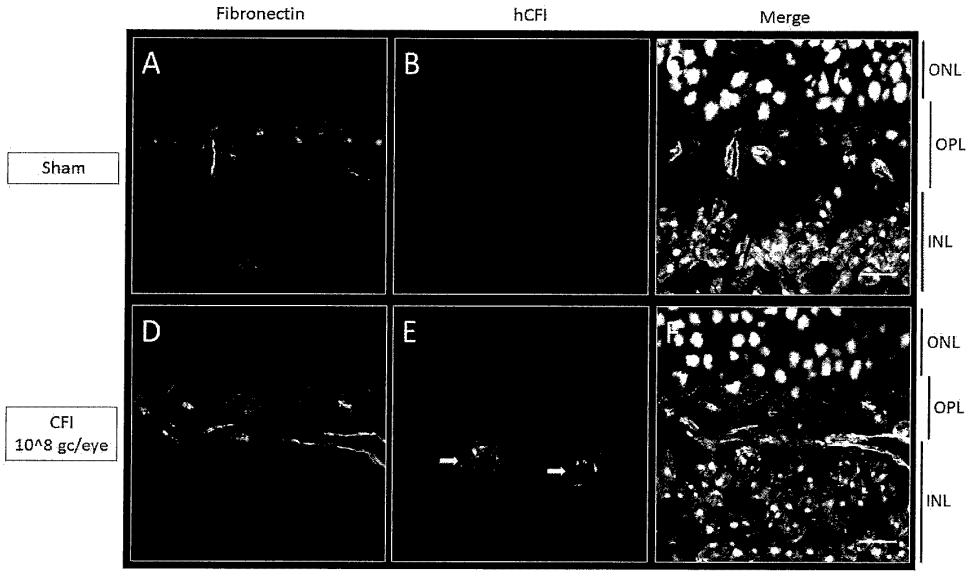

Fibronectin
hCFI
Merge
A
B
D
E
Sham
CFI
10^8 gc/eye
ONL
OPL
INL
ONL
OPL
INL

Figure 12

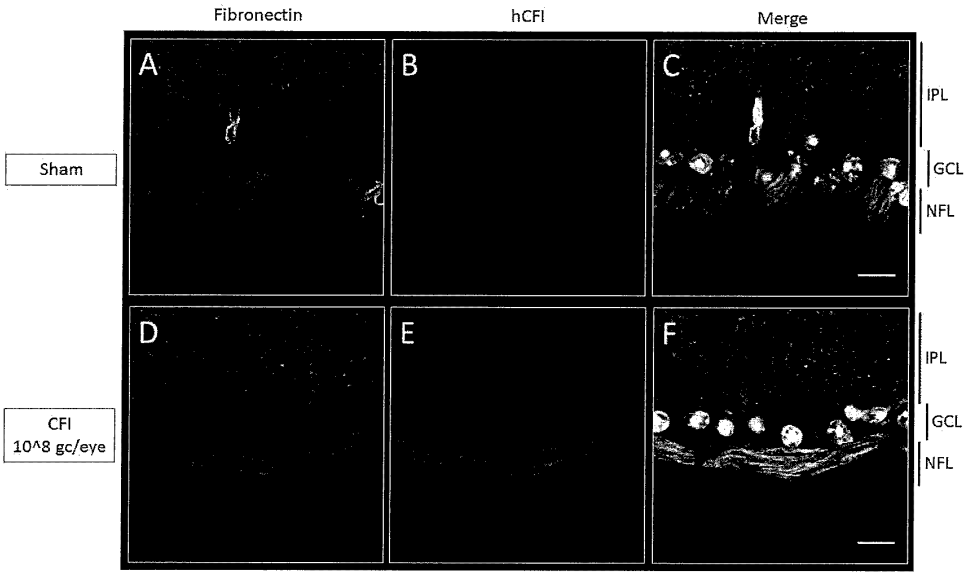

Fibronectin
hCFI
Merge
A
B
C
D
E
F
Sham
CFI
10^8 gc/eye
IPL
GCL
NFL
IPL
GCL
NFL

Figure 13

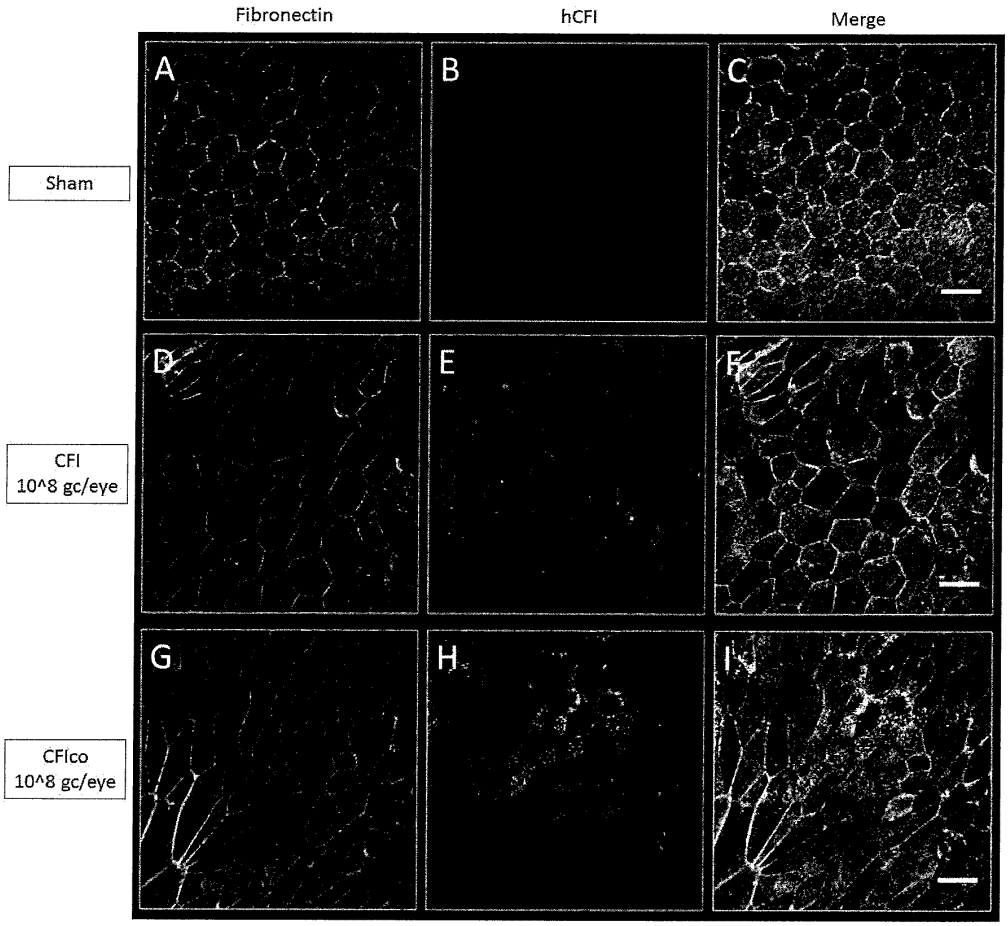

Fibronectin
hCFI
Merge
A
B
C
Sham
D
E
F
CFI
10^8 gc/eye
G
H
I
CFIco
10^8 gc/eye

Figure 14