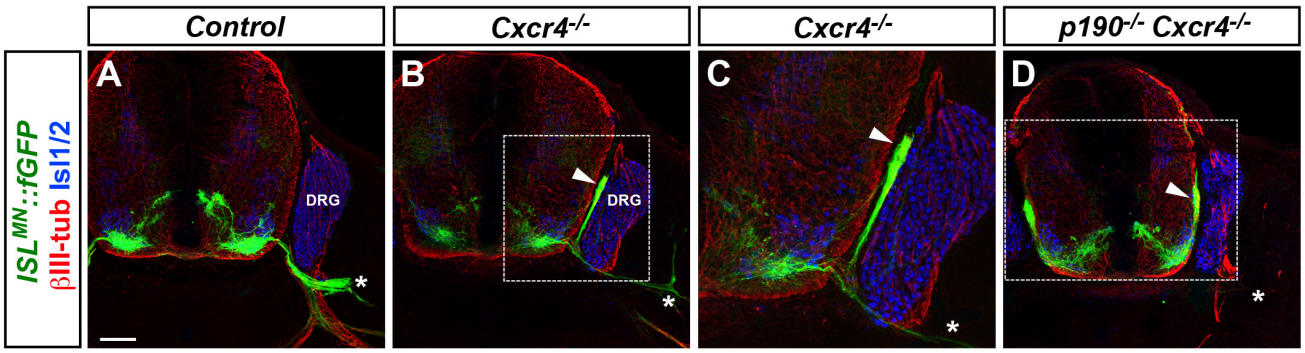
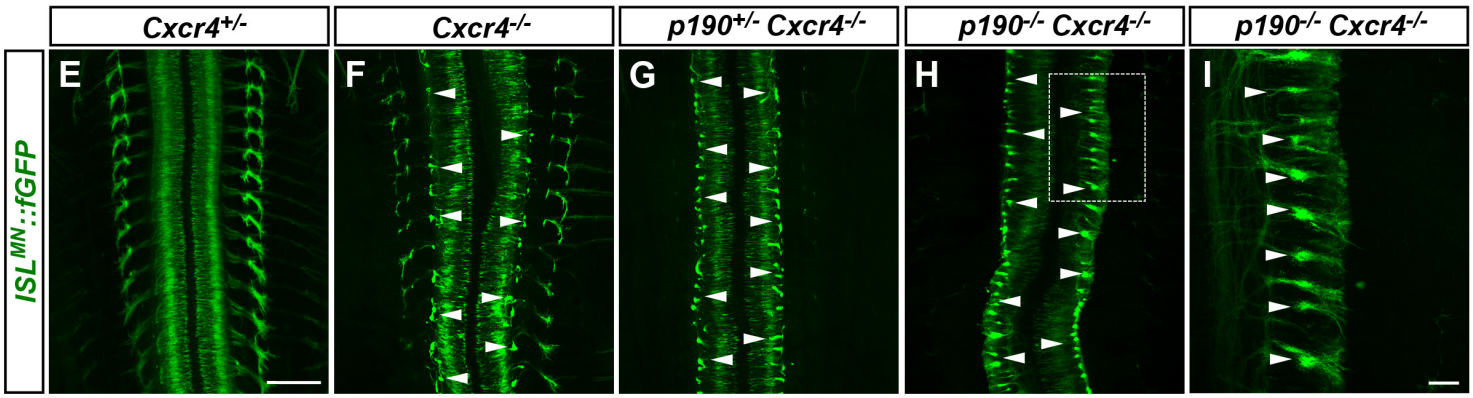
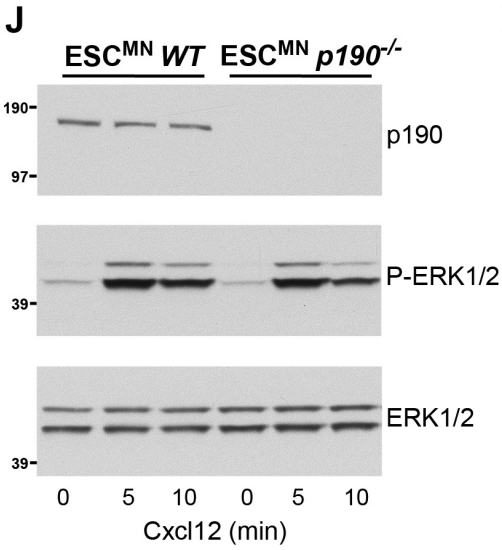
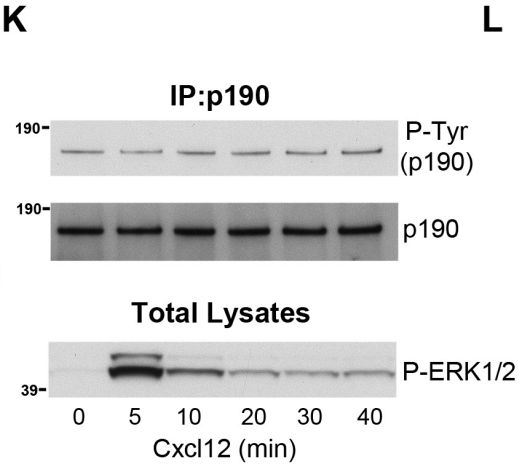
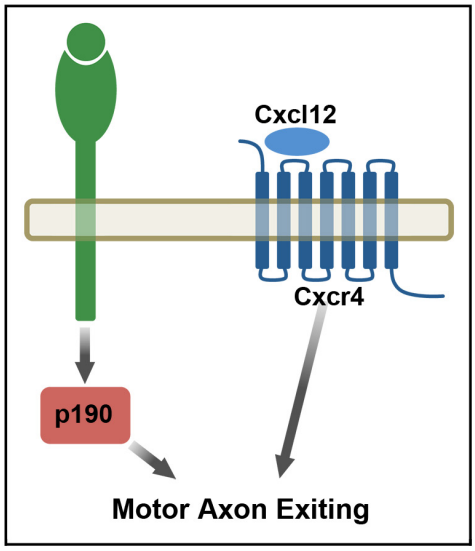
Figure S4

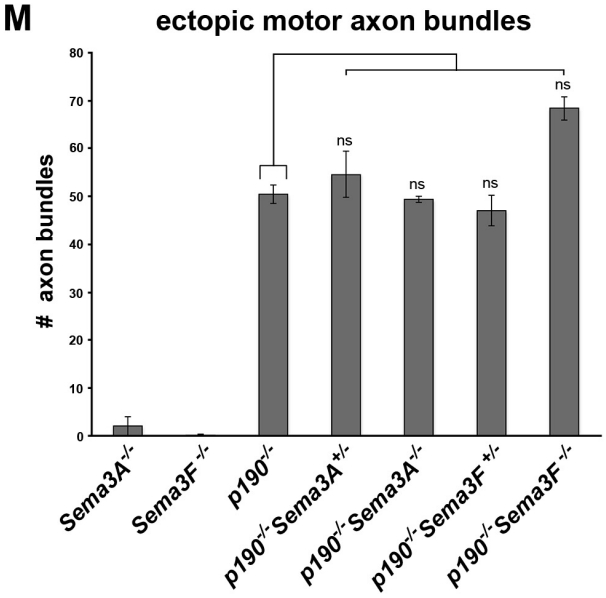

Control
Cxcr4-/-
Cxcr4-/-
p190-/- Cxcr4-/-
ISLMN::fGFP
βIII-tub Isl1/2
A
B
C
D
DRG
DRG
*


Cxcr4+/-
Cxcr4-/-
p190+/- Cxcr4-/-
p190-/- Cxcr4-/-
p190-/- Cxcr4-/-
ISLMN::fGFP
E
F
G
H
I


J
ESCMN WT
ESCMN p190-/-
190
97
p190
39
P-ERK1/2
39
ERK1/2
0
5
10
0
5
10
Cxcl12 (min)


K
IP:p190
190
P-Tyr
(p190)
190
p190
Total Lysates
39
P-ERK1/2
0
5
10
20
30
40
Cxcl12 (min)


L
Cxcl12
Cxcr4
p190
Motor Axon Exiting


M
ectopic motor axon bundles
axon bundles
0
10
20
30
40
50
60
70
80
ns
ns
ns
ns
Sema3A-/-
Sema3F-/-
p190-/-
p190-/- Sema3A+/-
p190-/- Sema3A-/-
p190-/- Sema3F+/-
p190-/- Sema3F-/-