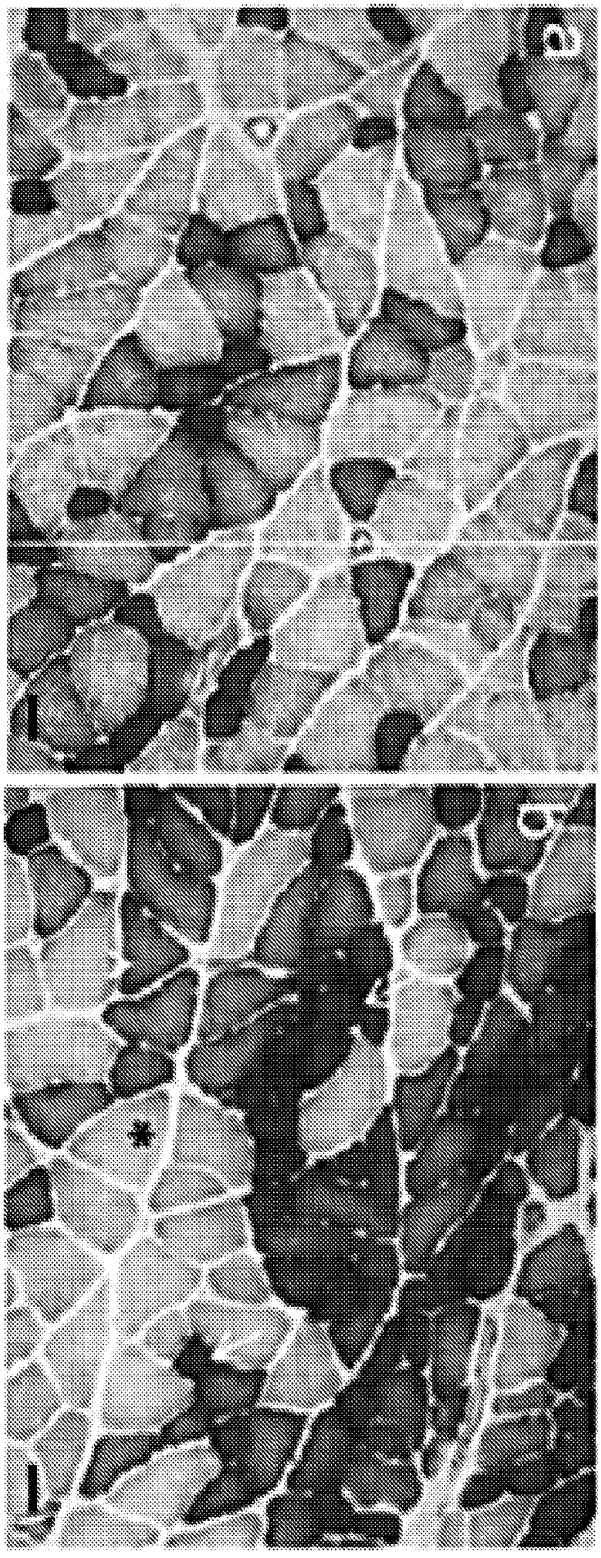
Figure 1



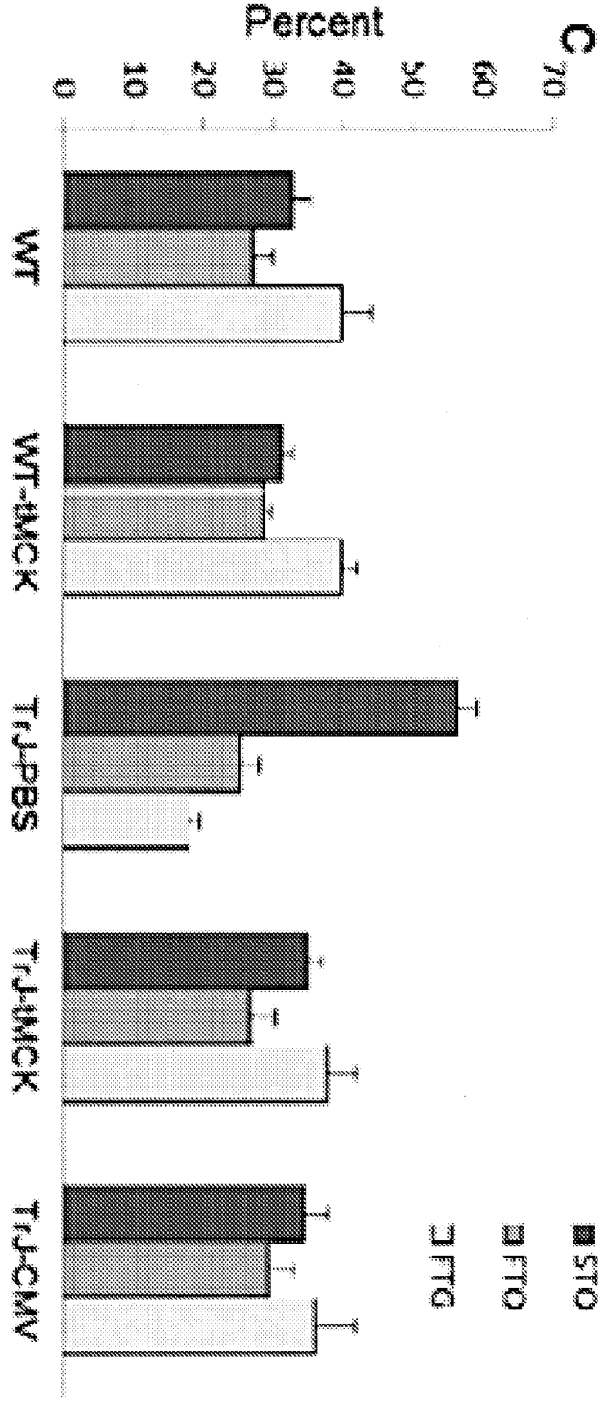
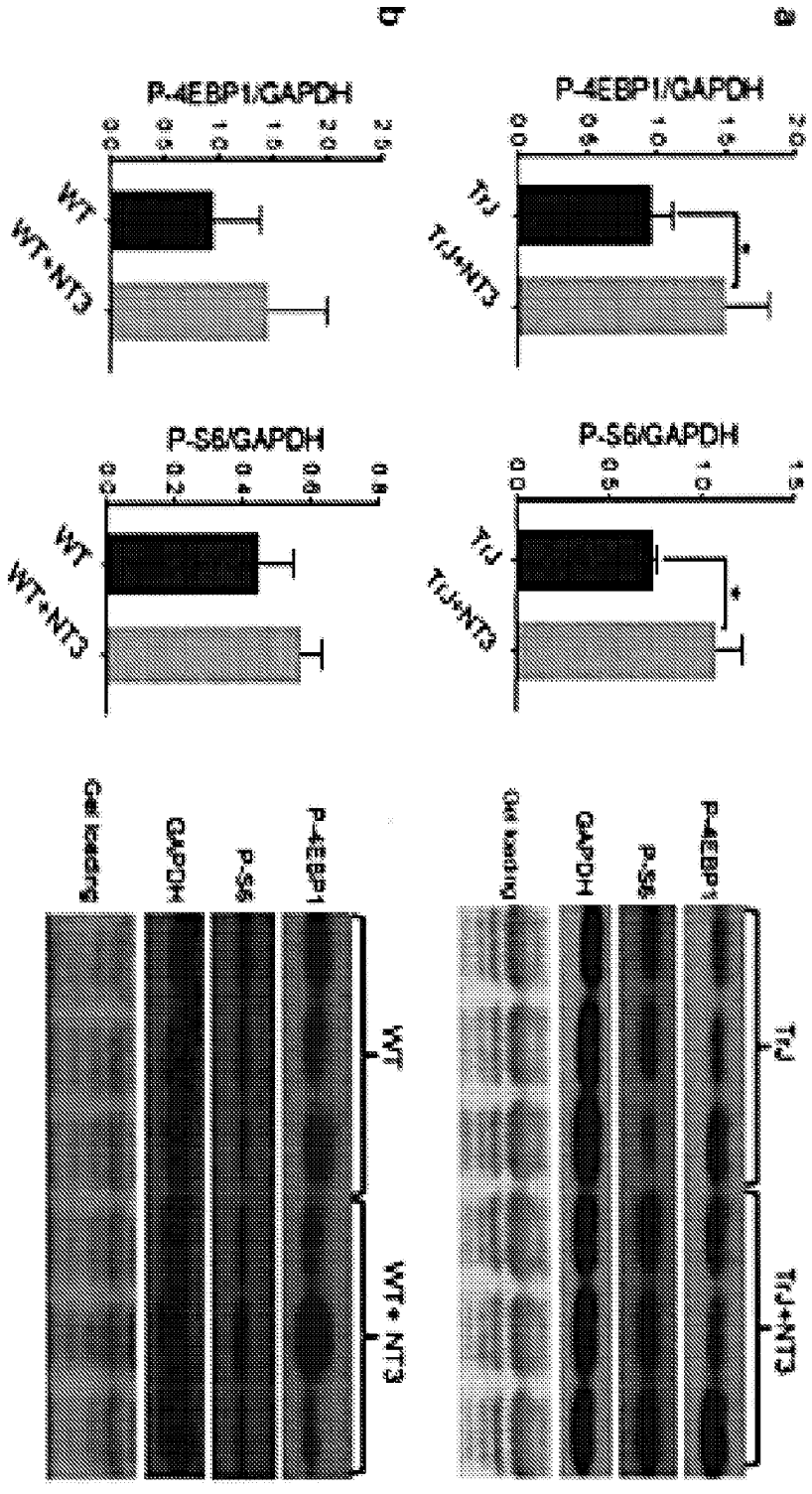


Figure 1 Cont.

Figure 2


a
P-4EBP1/GAPDH
Tsc1
Tsc1+NT3
P-S6/GAPDH
b
P-4EBP1/GAPDH
WT
WT+NT3
P-S6/GAPDH
Cell lysates
GAPDH
P-S6
P-4EBP1
Tsc1
Tsc1+NT3
WT
WT + NT3

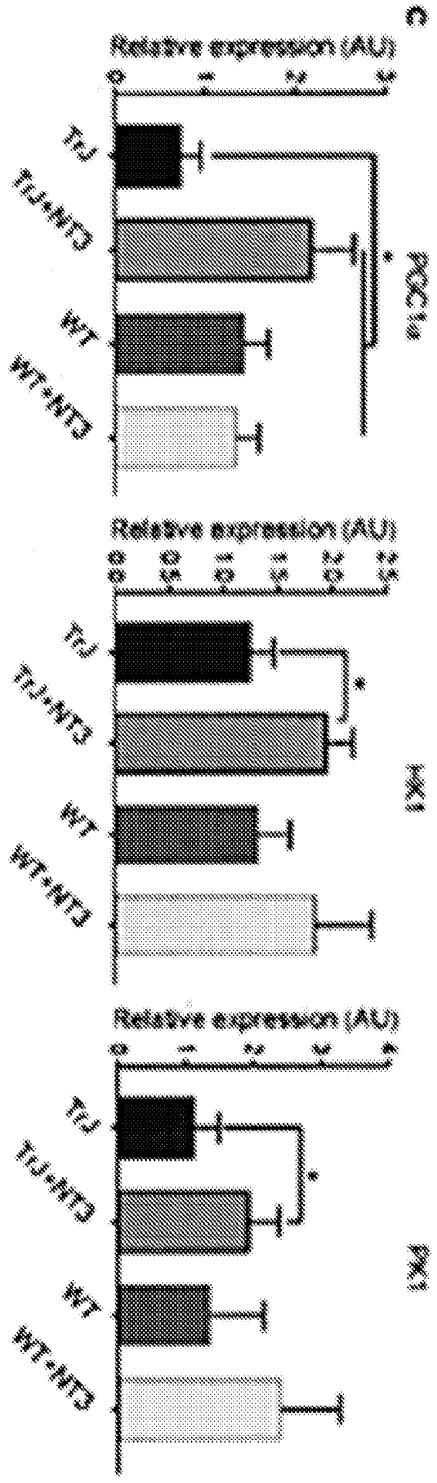


Figure 2 Cont.

Figure 3

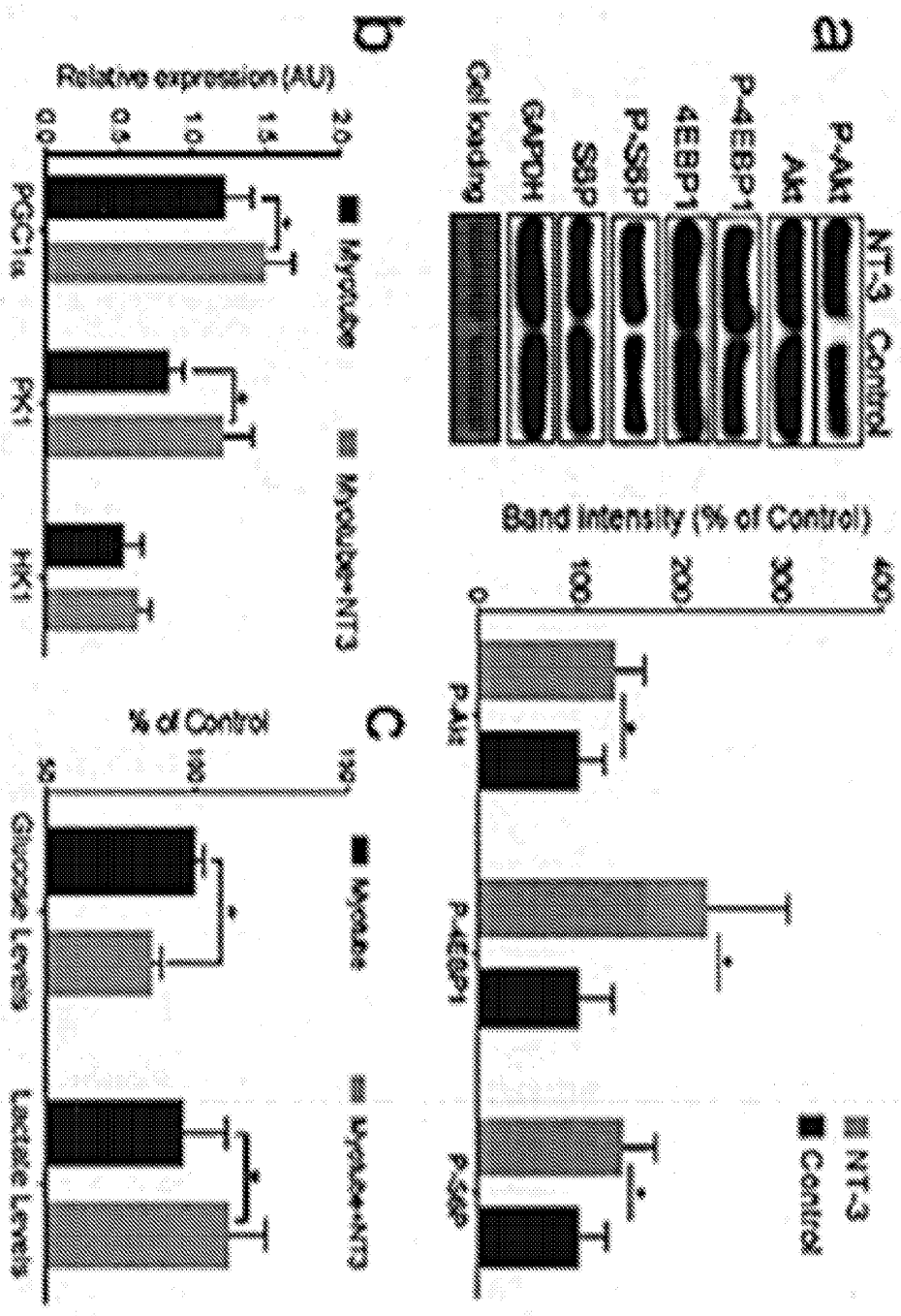

a
Cell Lysate
GAPDH
S6p
P-S6p
4EBP1
P-4EBP1
Akt
P-Akt
NT-3
Control
Band Intensity (% of Control)
0
50
100
150
P-Akt
P-4EBP1
P-S6
NT-3
Control
b
Relative expression (AU)
0.0
0.5
1.0
1.5
2.0
PGC1α
FK1
HK1
Myotube
Myotube+NT3
c
% of Control
0
50
100
Glucose Levels
Lactate Levels
Myotube
Myotube+NT3

Figure 3 Cont.

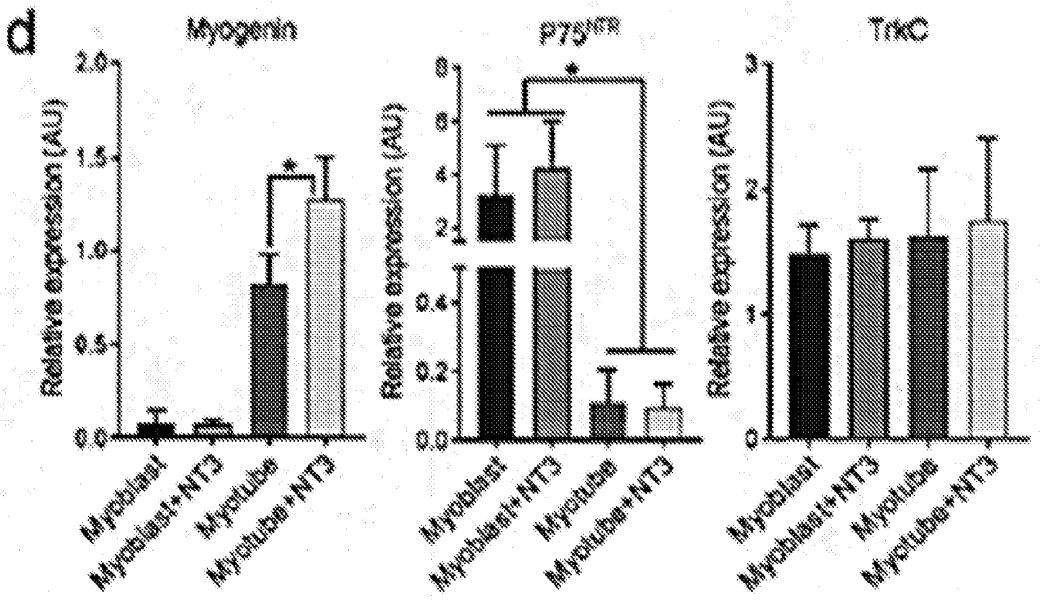
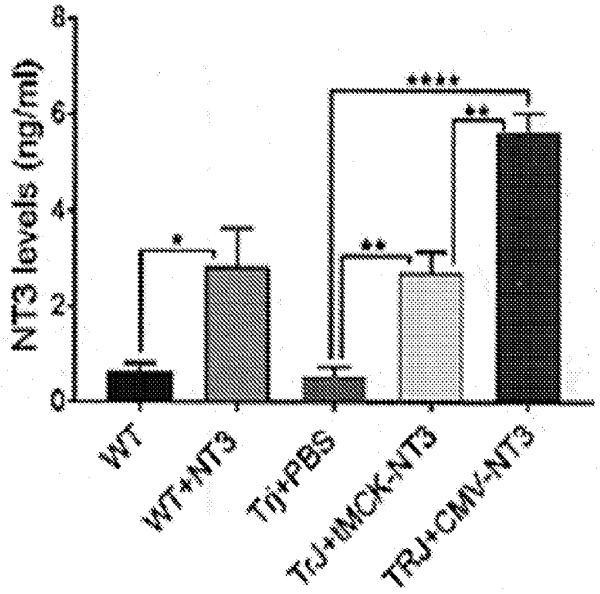


Figure 4



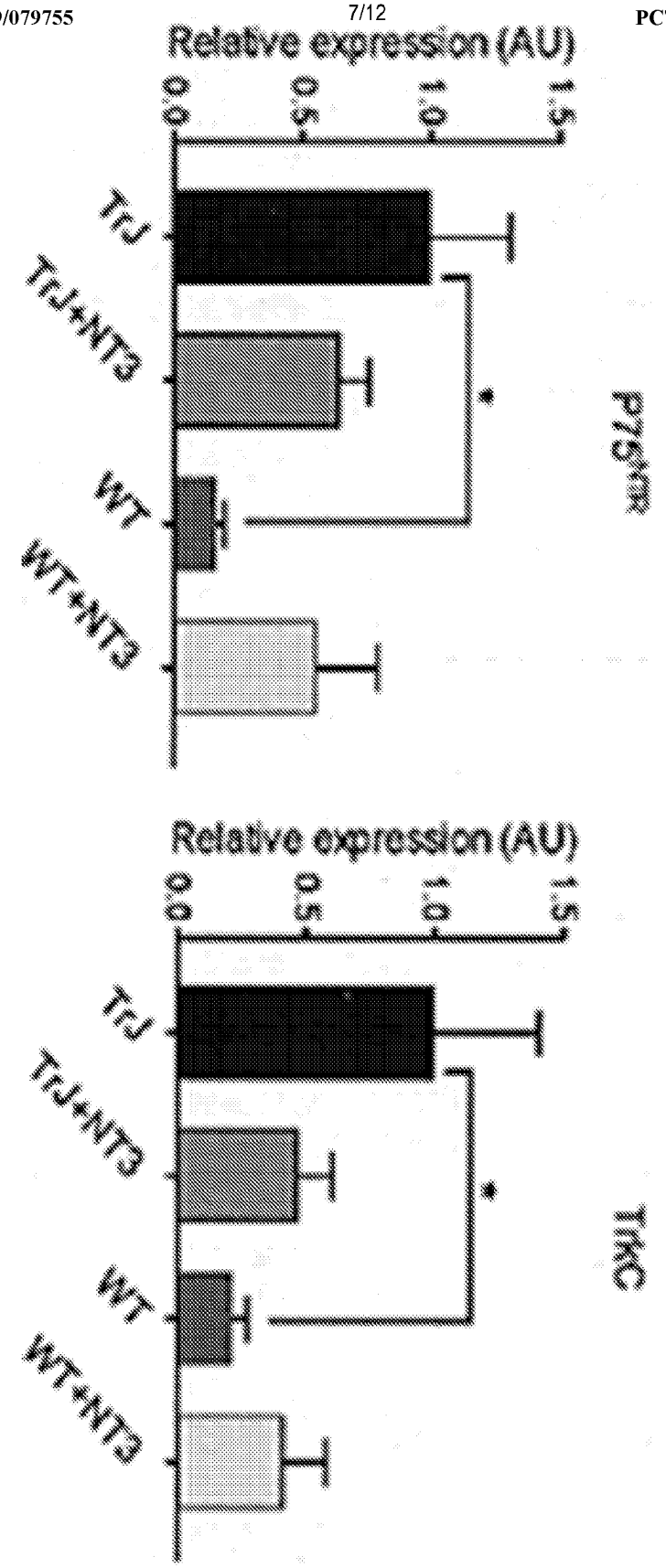
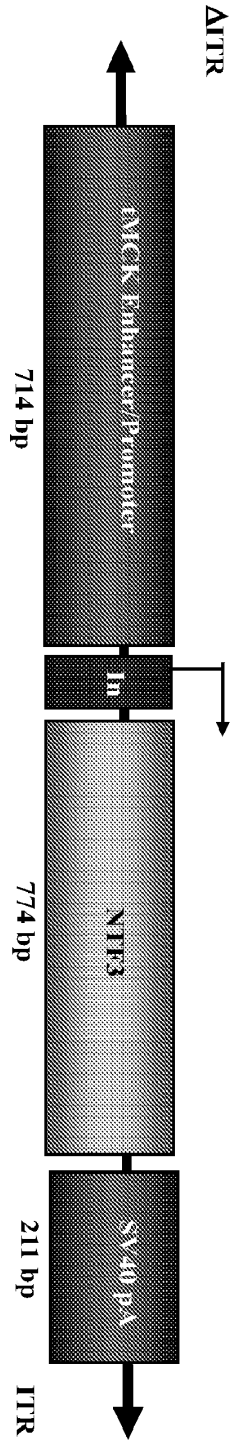

Relative expression (AU)
0.0
0.5
1.0
1.5
TrJ
TrJ+NT3
WT
WT+NT3
*
p75NTR
Relative expression (AU)
0.0
0.5
1.0
1.5
TrJ
TrJ+NT3
WT
WT+NT3
*
TrkC

Figure 5

Figure 6



Self-Complementary scAAV1.tMCK.NFT3

Figure 7

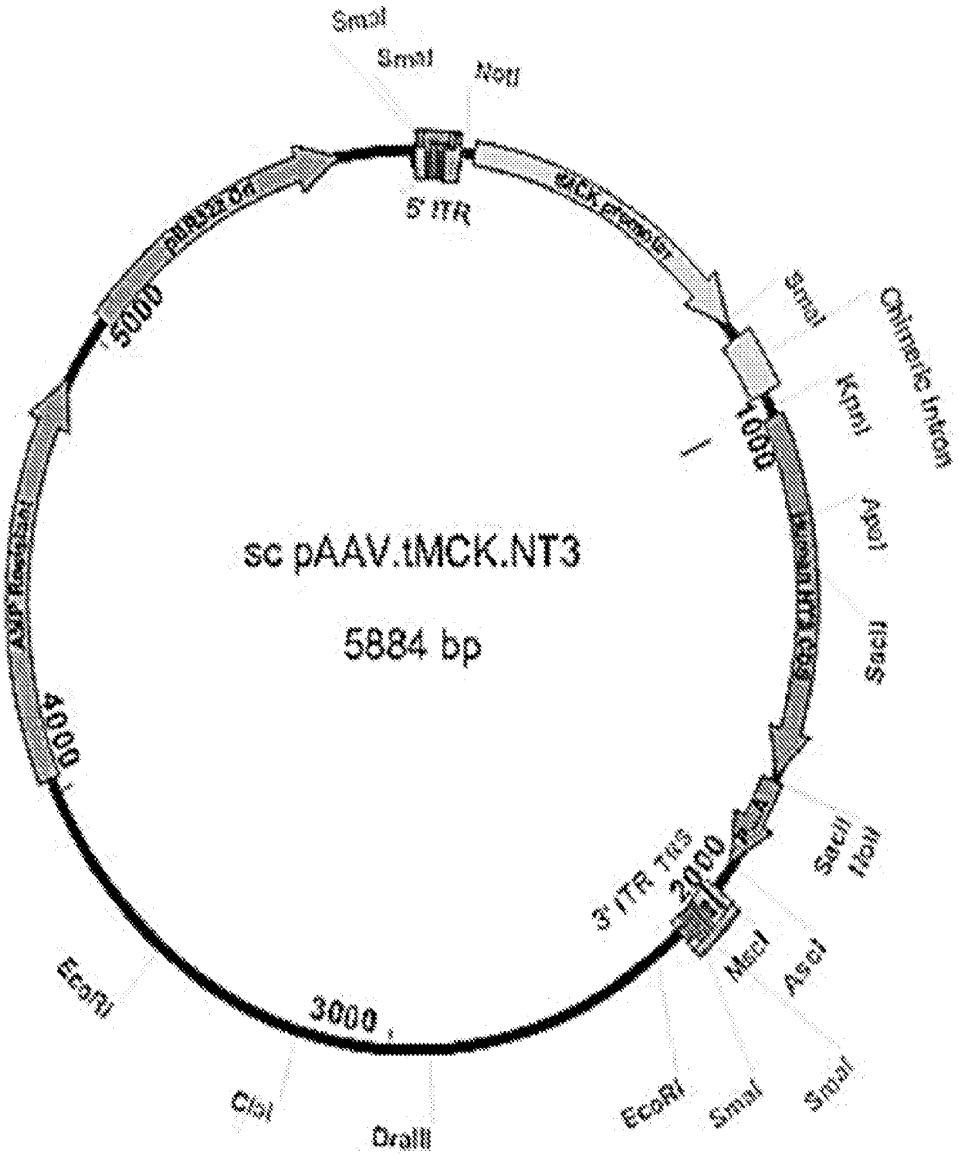
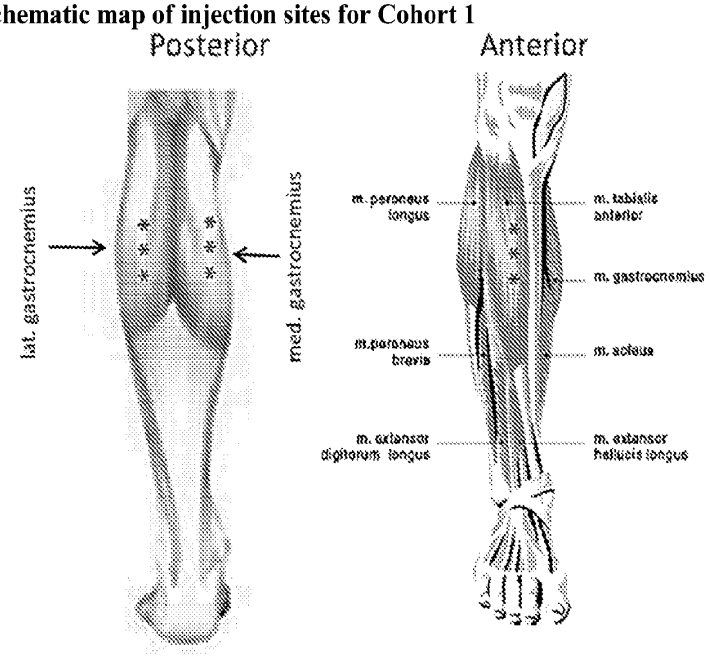
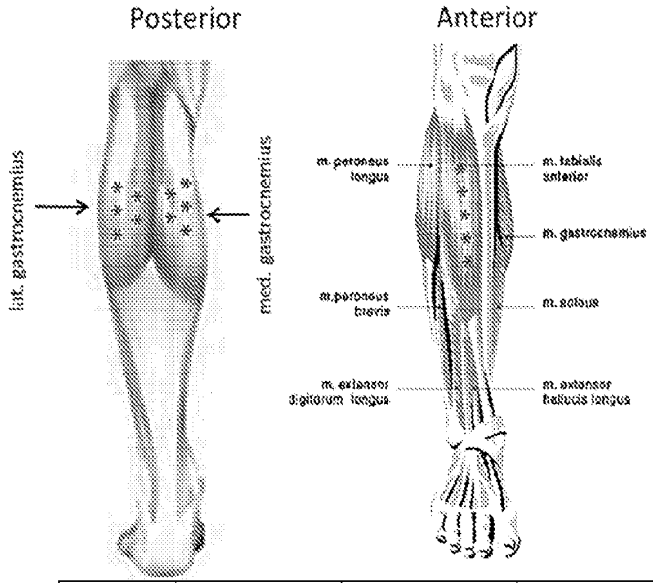

sc pAAV.tMCK.NT3
5884 bp
5' ITR
tMCK promoter
Chimeric Intron
SV40 polyA
3' ITR
AmpR promoter
1000
2000
3000
4000
5000
SmaI
NotI
KpnI
ApaI
SacII
SacII
NotI
MscI
AscI
SmaI
SmaI
EcoRI
DraIII
ClaI
EcoRI

Figure 8A. – Schematic map of injection sites for Cohort 1



Cohort	Volume per Injection	# Injections per muscle	Unilateral / Bilateral
1	0.5 mL	3-4	Bilateral

Figure 8B. – Schematic map of injection sites for Cohort 3



Cohort	Volume per Injection	# Injections per muscle	Unilateral / Bilateral
2	1.0 mL	~5	Bilateral

Figure 9

sc pAAV.tMCK.NT3 vector full Sequence (5884bp) SEQ ID NO: 11

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Figure 9 Cont.

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