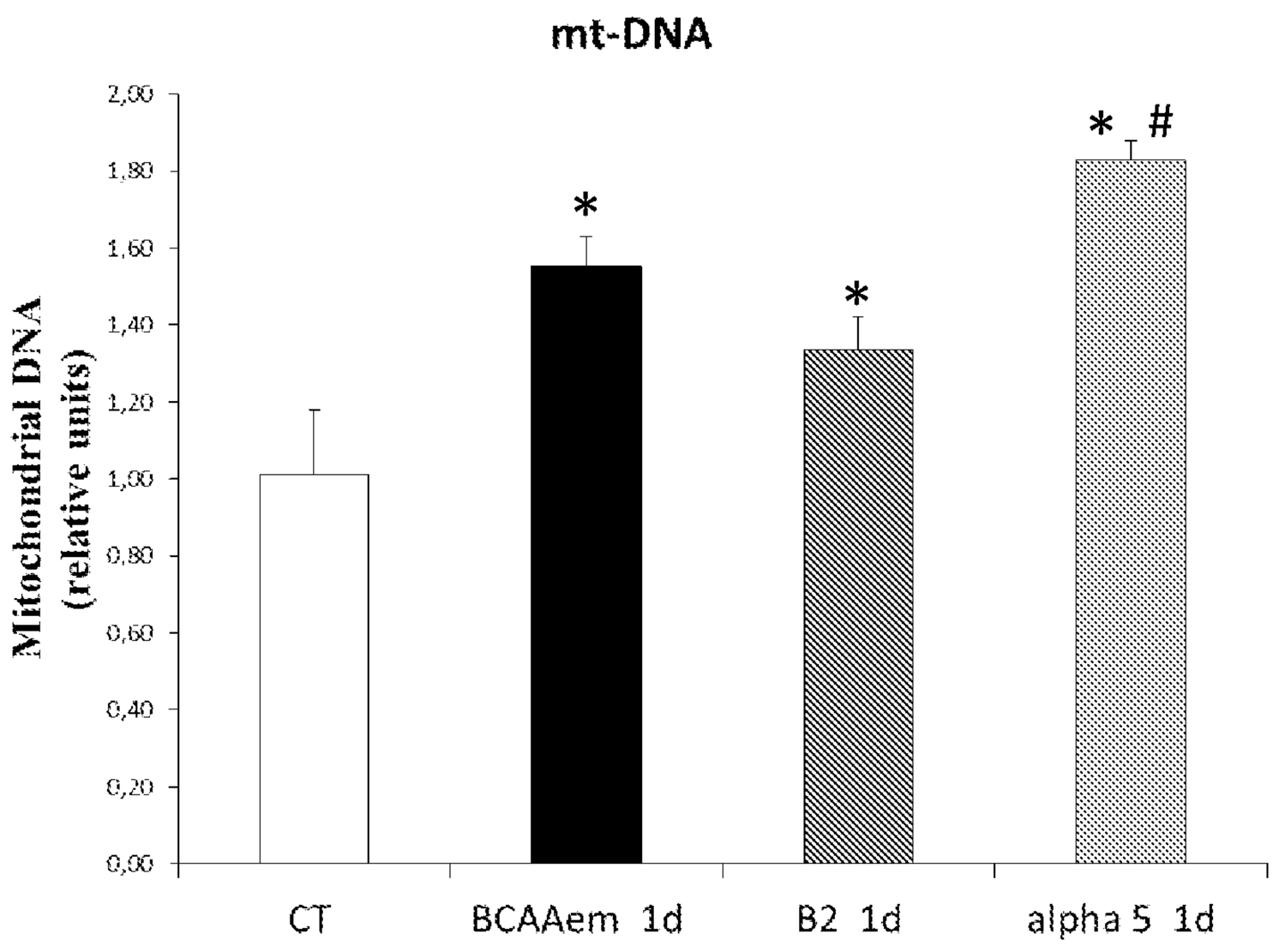
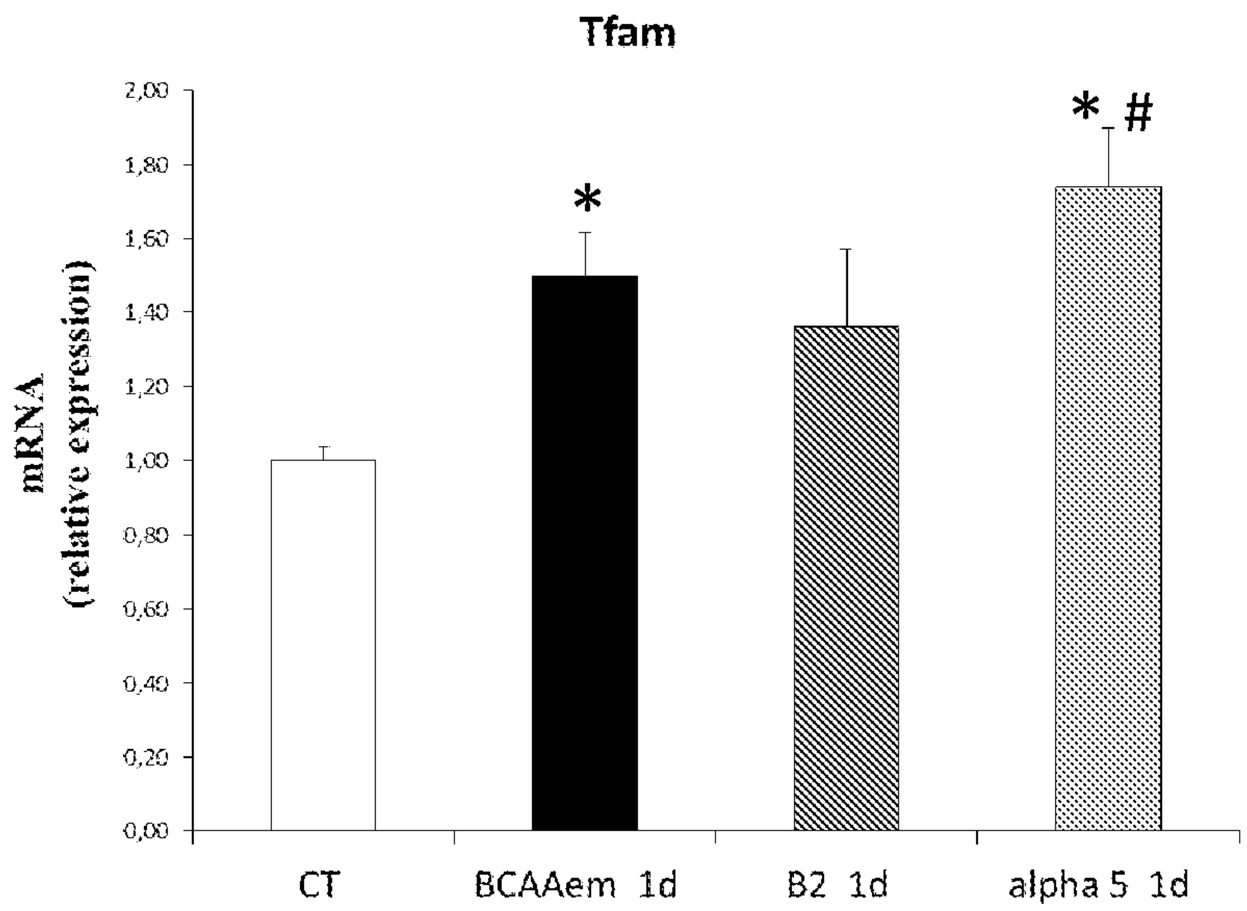
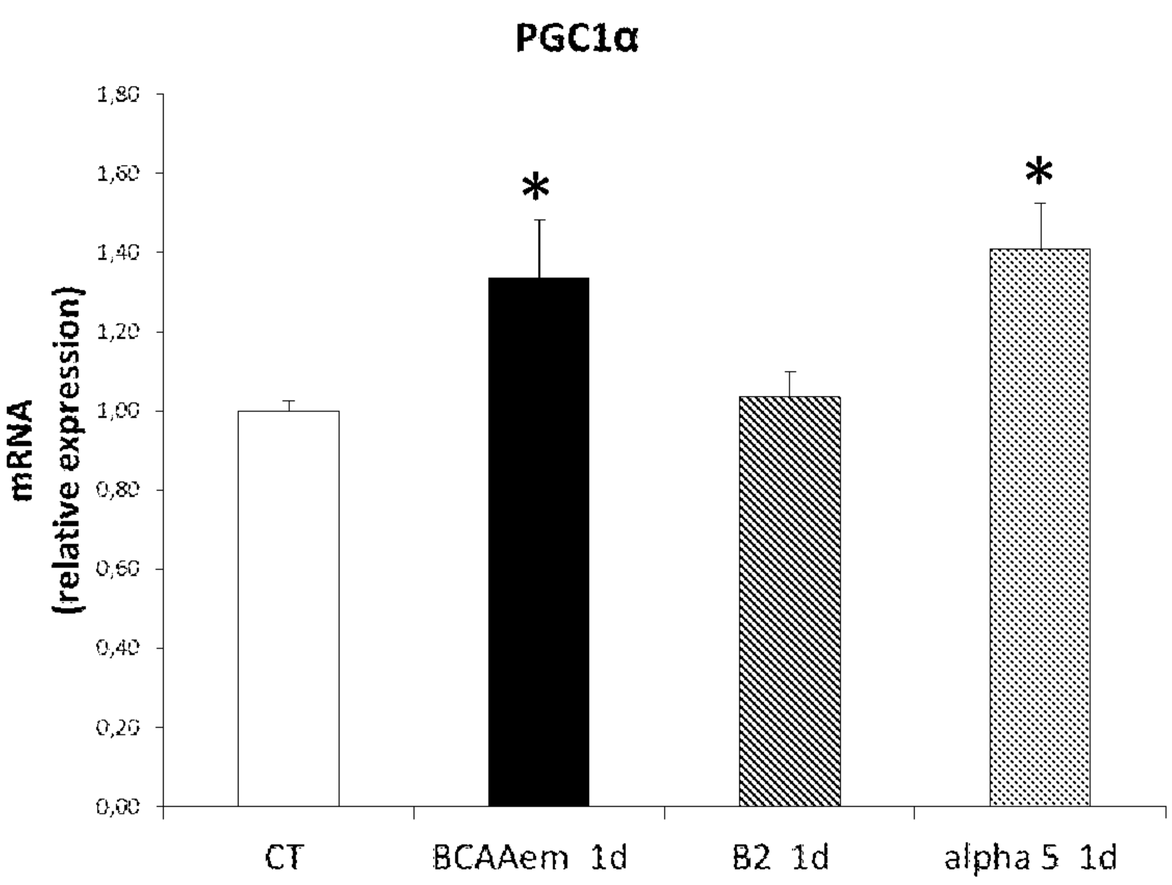

mt-DNA
Mitochondrial DNA
(relative units)
2,00
1,80
1,60
1,40
1,20
1,00
0,80
0,60
0,40
0,20
0,00
*
*
* #
CT
BCAAem 1d
B2 1d
alpha 5 1d

Figure 1


Tfam
mRNA (relative expression)
2,00
1,80
1,60
1,40
1,20
1,00
0,80
0,60
0,40
0,20
0,00
*
*#
CT
BCAAem 1d
B2 1d
alpha 5 1d


PGC1α
mRNA (relative expression)
1,80
1,60
1,40
1,20
1,00
0,80
0,60
0,40
0,20
0,00
*
*
CT
BCAAem 1d
B2 1d
alpha 5 1d

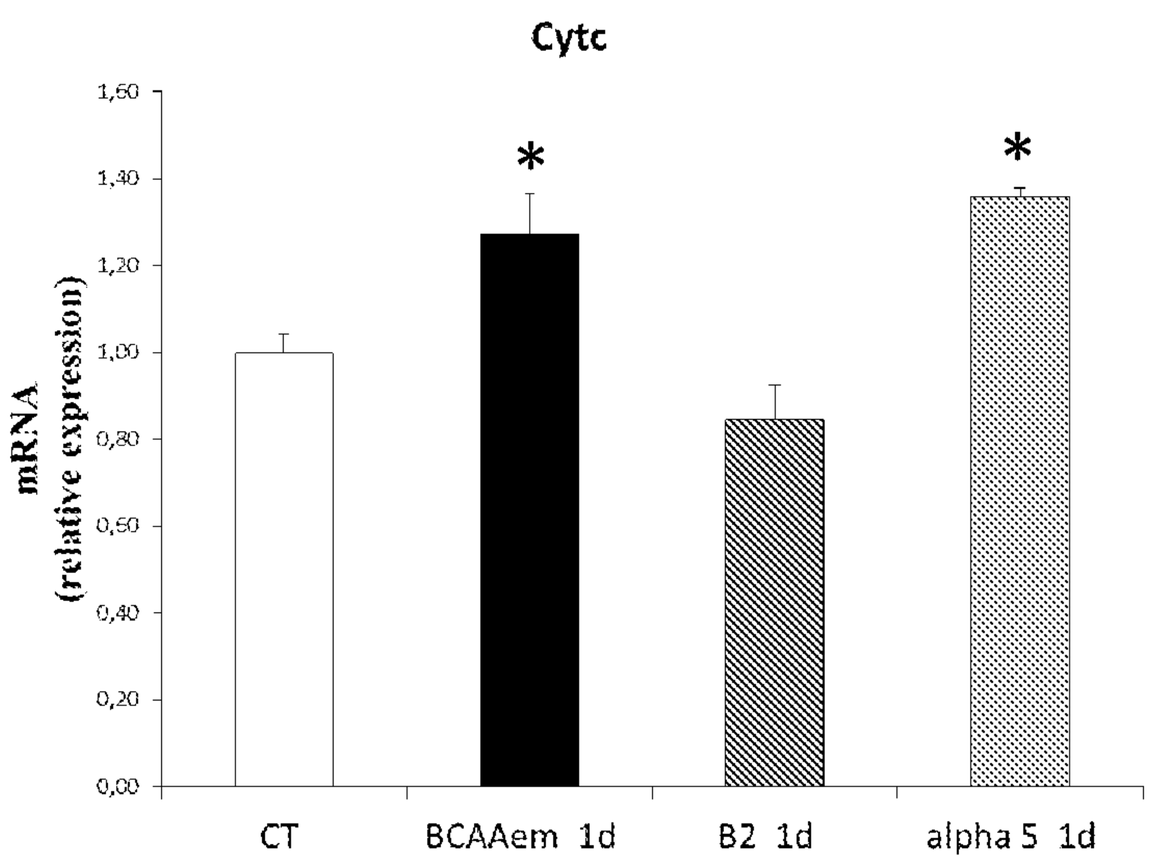

Cytc
mRNA (relative expression)
1,60
1,40
1,20
1,00
0,80
0,60
0,40
0,20
0,00
*
*
CT
BCAAem 1d
B2 1d
alpha 5 1d

Figure 2

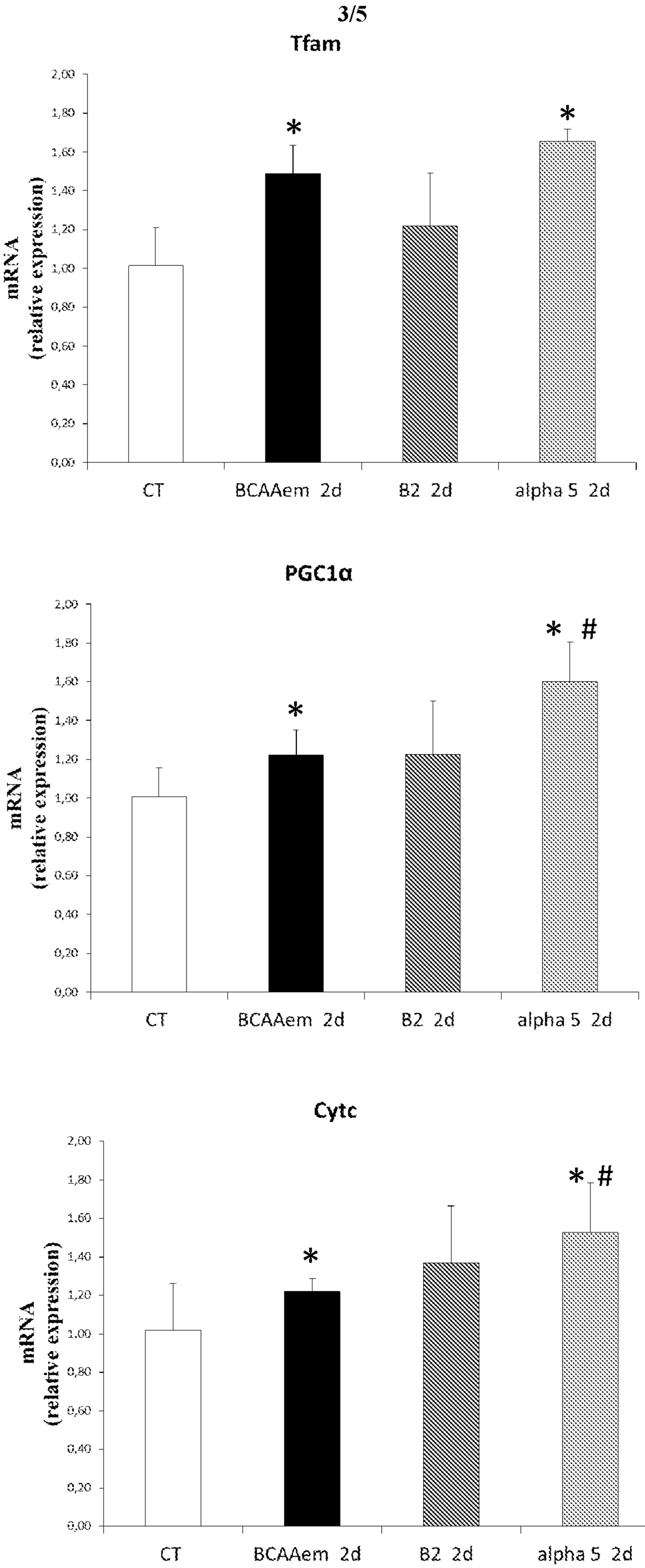
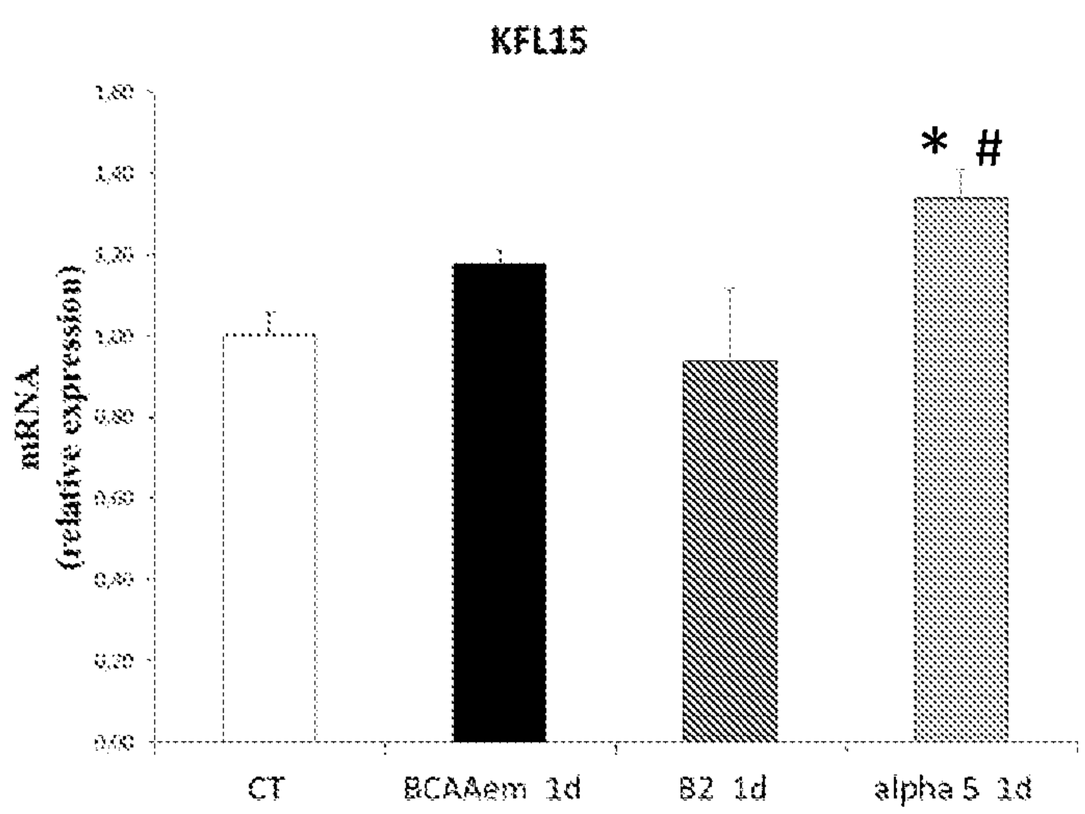
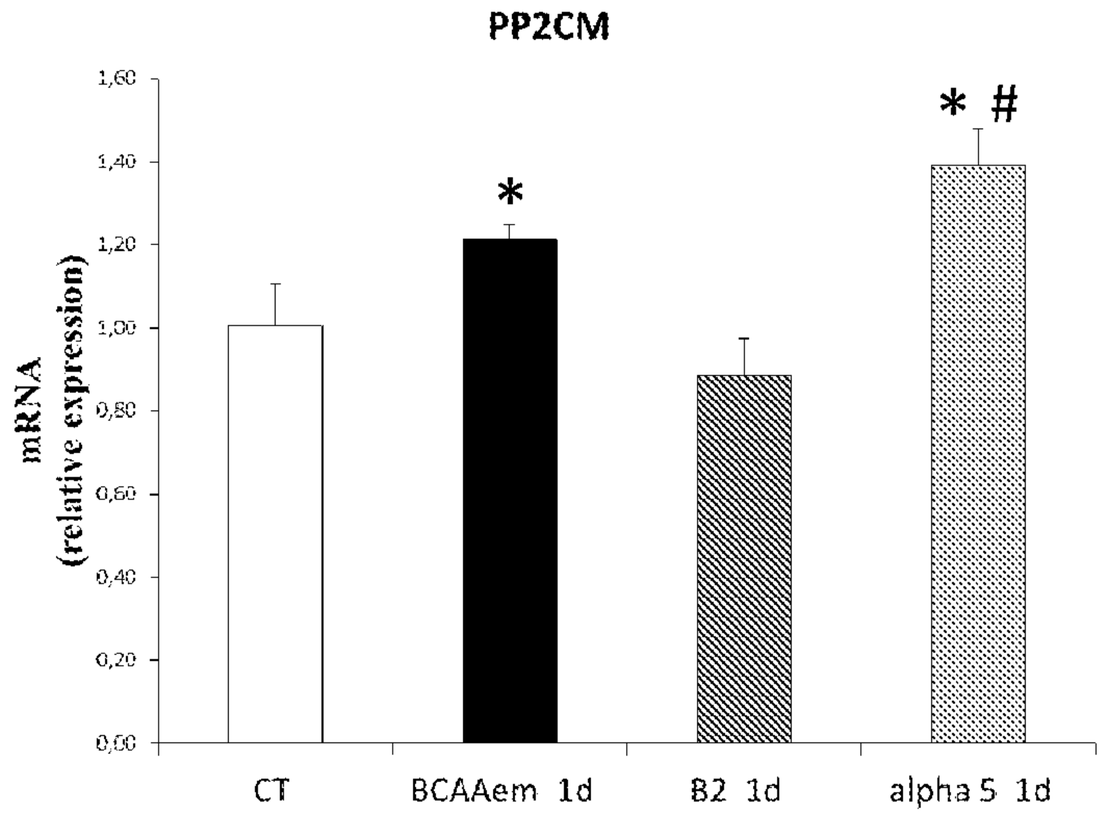
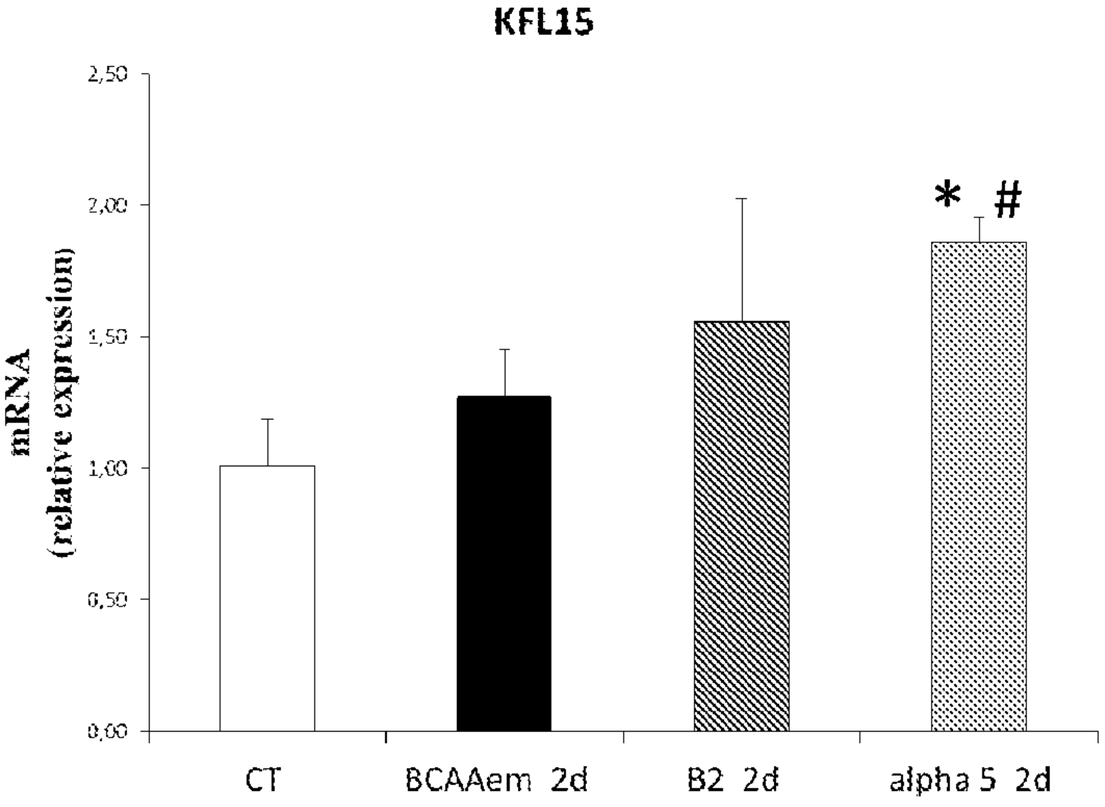

Tfam
mRNA (relative expression)
2,00
1,80
1,60
1,40
1,20
1,00
0,80
0,60
0,40
0,20
0,00
*
*
CT
BCAAem 2d
B2 2d
alpha 5 2d
PGC1α
mRNA (relative expression)
2,00
1,80
1,60
1,40
1,20
1,00
0,80
0,60
0,40
0,20
0,00
*
* #
CT
BCAAem 2d
B2 2d
alpha 5 2d
Cytc
mRNA (relative expression)
2,00
1,80
1,60
1,40
1,20
1,00
0,80
0,60
0,40
0,20
0,00
*
* #
CT
BCAAem 2d
B2 2d
alpha 5 2d

Figure 3


KFL15
mRNA (relative expression)
1,60
1,40
1,20
1,00
0,80
0,60
0,40
0,20
0,00
* #
CT
BCAAem 1d
B2 1d
alpha 5 1d


PP2CM
mRNA (relative expression)
1,60
1,40
1,20
1,00
0,80
0,60
0,40
0,20
0,00
* #
CT
BCAAem 1d
B2 1d
alpha 5 1d


KFL15
mRNA (relative expression)
2,50
2,00
1,50
1,00
0,50
0,00
* #
CT
BCAAem 2d
B2 2d
alpha 5 2d

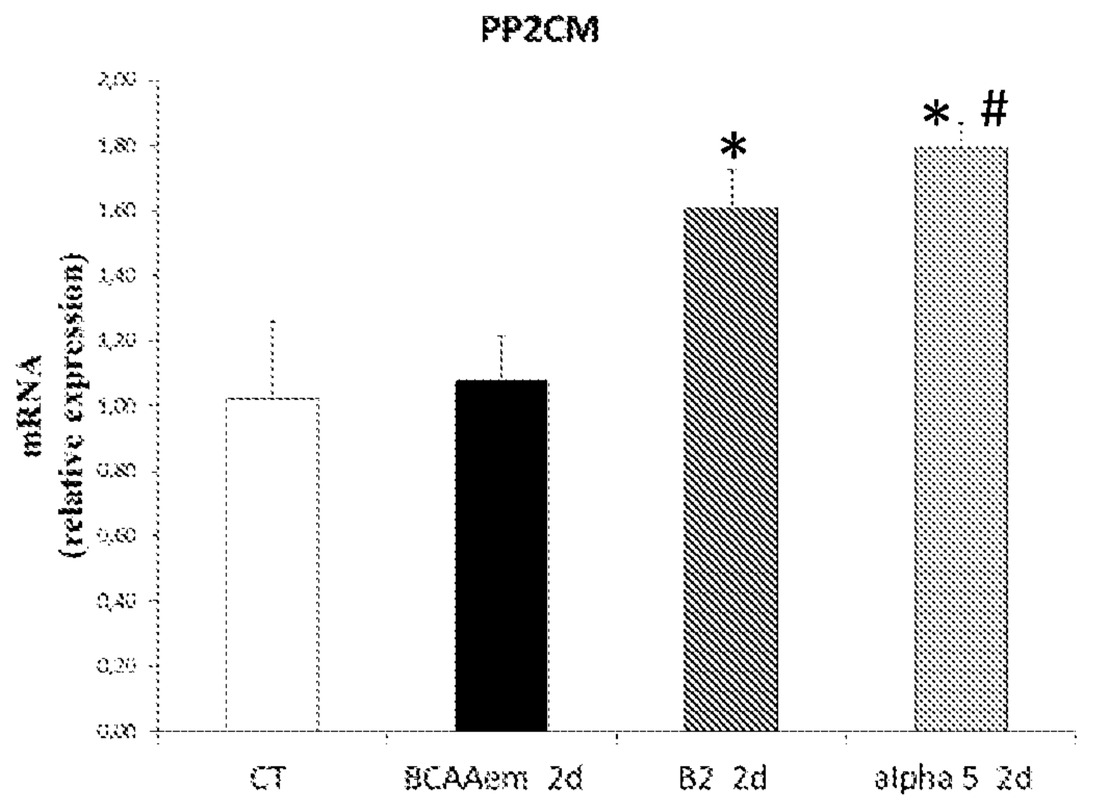
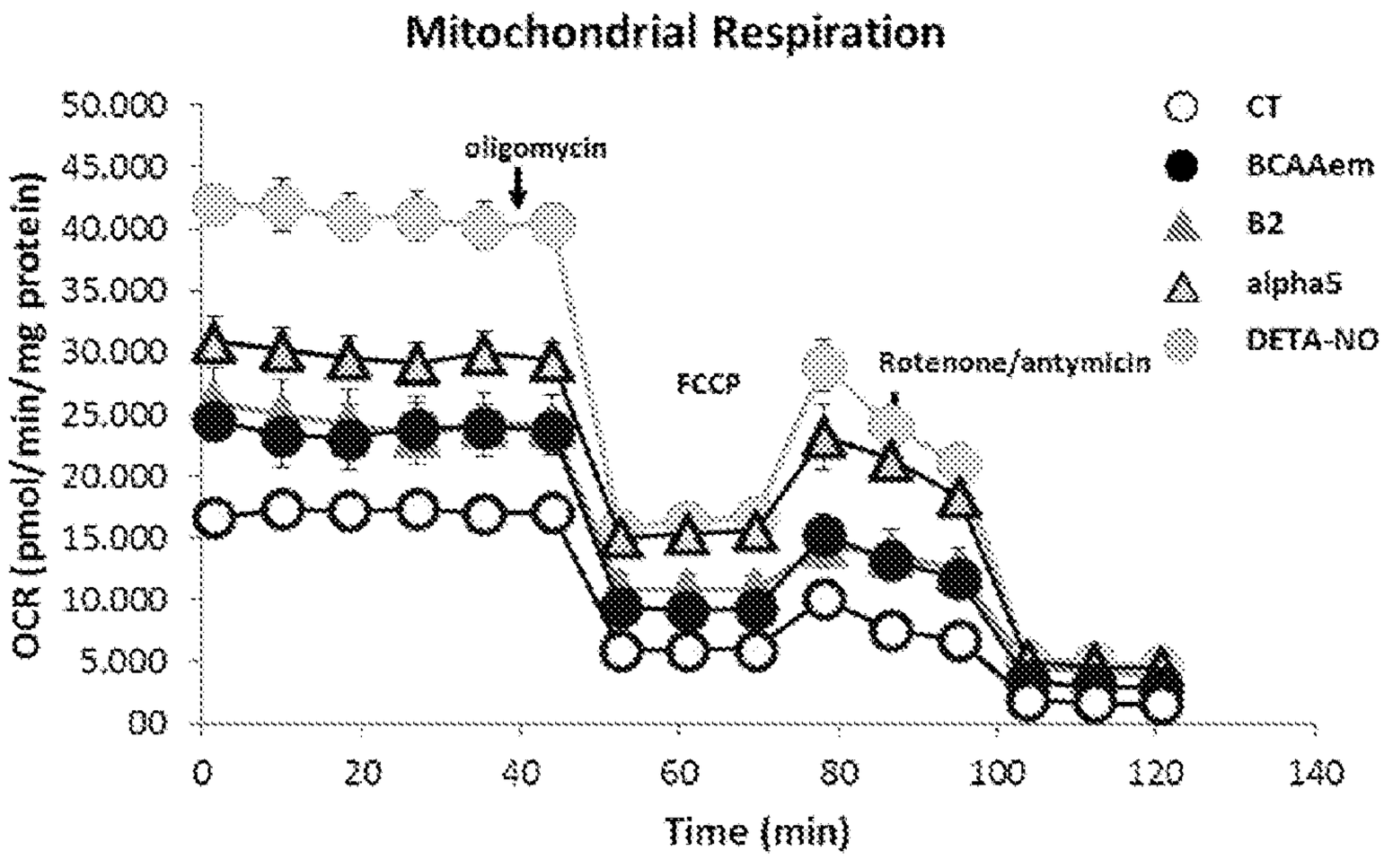

PP2CM
mRNA (relative expression)
2,00
1,80
1,60
1,40
1,20
1,00
0,80
0,60
0,40
0,20
0,00
* #
CT
BCAAem 2d
B2 2d
alpha 5 2d

Figure 4


Mitochondrial Respiration
OCR (pmol/min/mg protein)
50.000
45.000
40.000
35.000
30.000
25.000
20.000
15.000
10.000
5.000
00
0
20
40
60
80
100
120
140
Time (min)
oligomycin
FCCP
Rotenone/antymicin
CT
BCAAem
B2
alphaS
DETA-NO

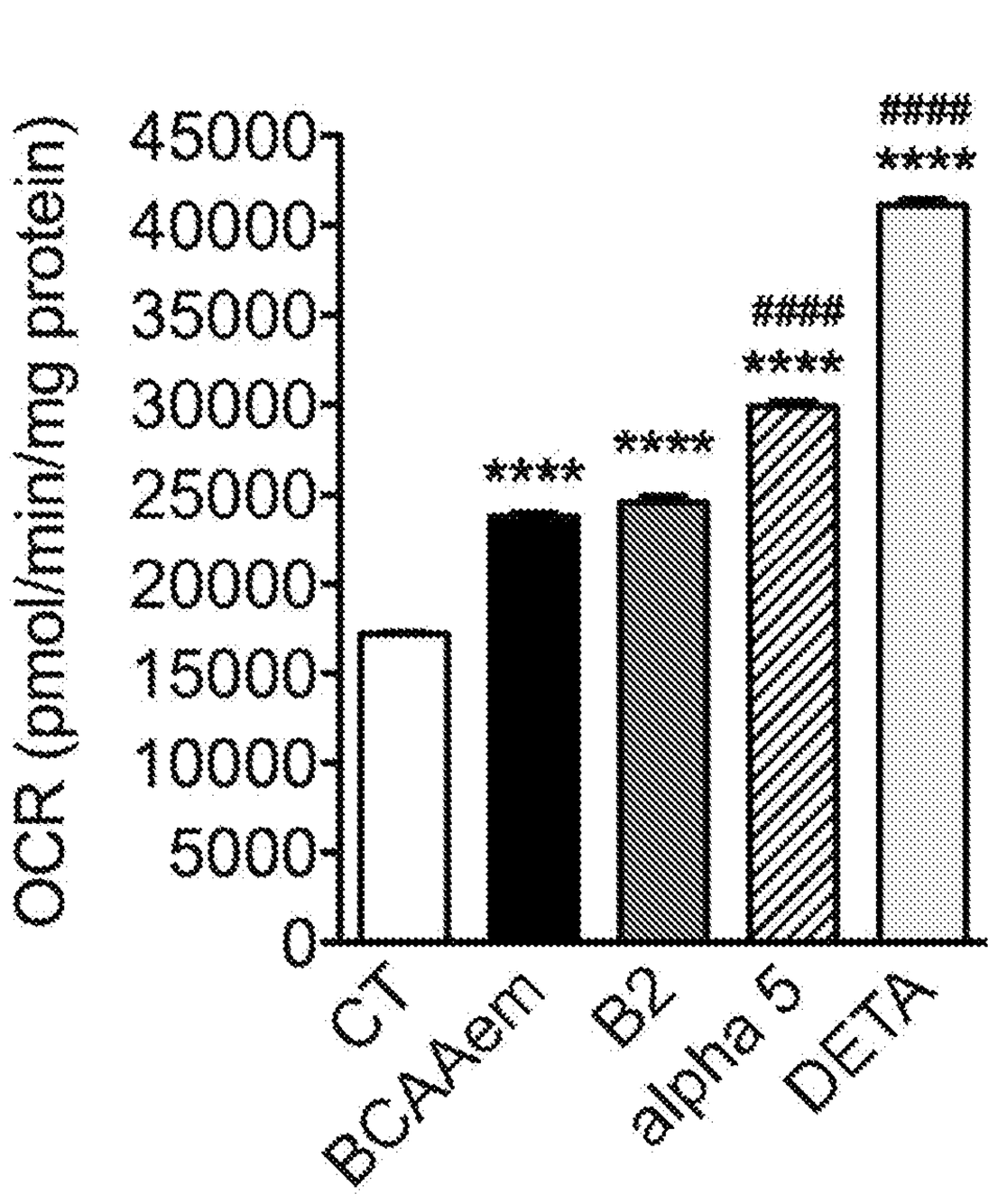

OCR (pmol/min/mg protein)
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
****
****
####
****
####
****
CT
BCAAem
B2
alpha 5
DETA

Figure 5