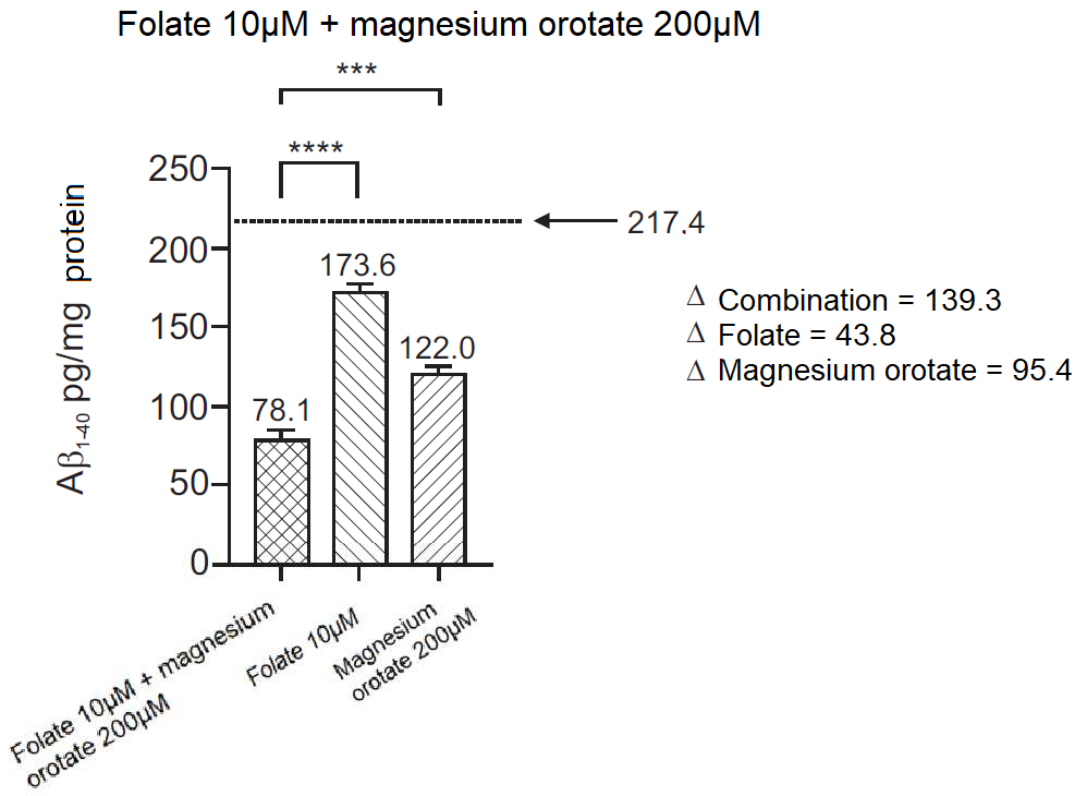

Folate 10μM + magnesium orotate 200μM
***
****
250
200
150
100
50
0
Aβ1-40 pg/mg protein
217.4
173.6
122.0
78.1
Δ Combination = 139.3
Δ Folate = 43.8
Δ Magnesium orotate = 95.4
Folate 10μM + magnesium orotate 200μM
Folate 10μM
Magnesium orotate 200μM

Fig. 1A

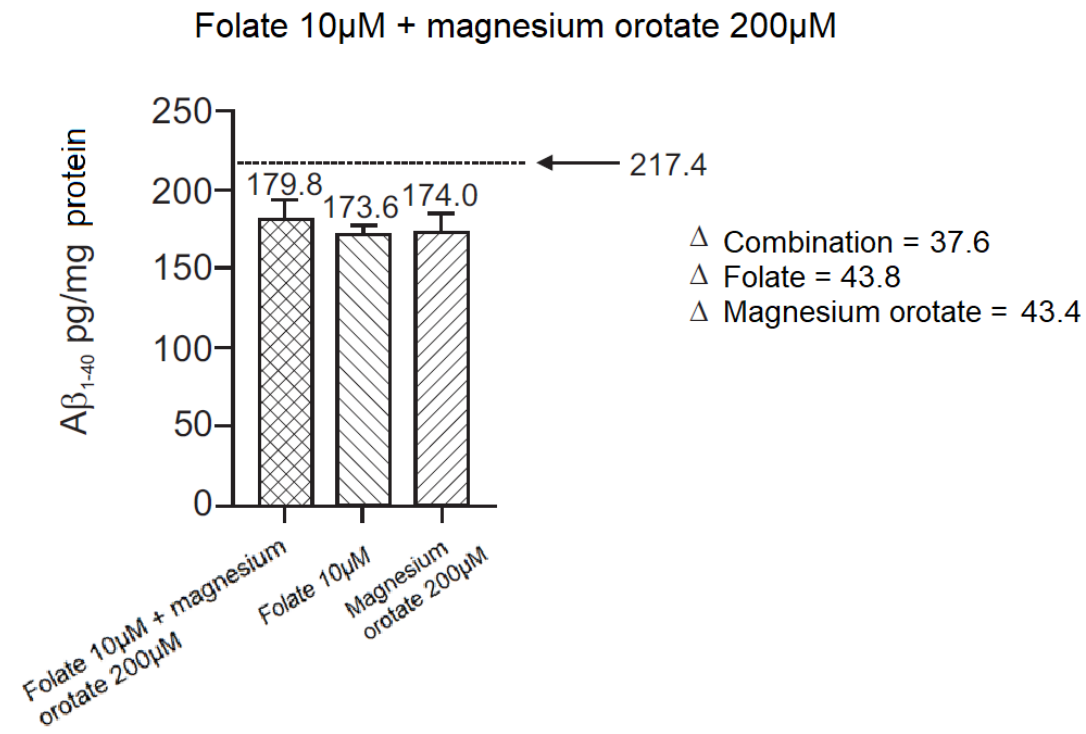

Folate 10µM + magnesium orotate 200µM
250
200
150
100
50
0
Aβ1-40 pg/mg protein
179.8
173.6
174.0
217.4
Δ Combination = 37.6
Δ Folate = 43.8
Δ Magnesium orotate = 43.4
Folate 10µM + magnesium orotate 200µM
Folate 10µM
Magnesium orotate 200µM

Fig. 1B

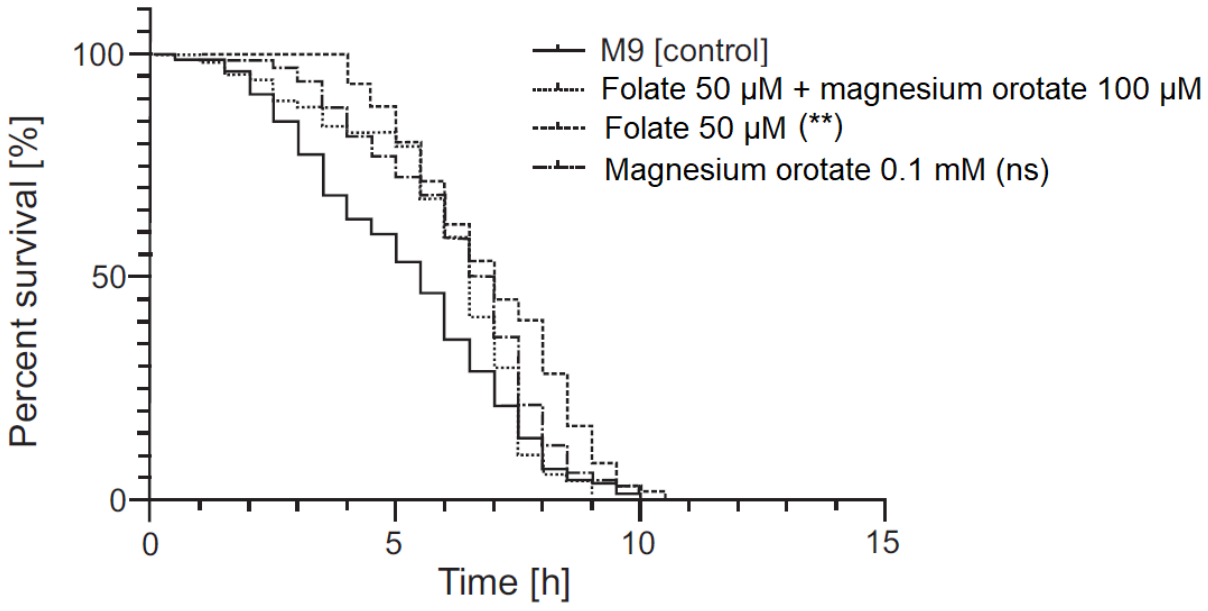

100
50
0
Percent survival [%]
0
5
10
15
Time [h]
M9 [control]
Folate 50 µM + magnesium orotate 100 µM
Folate 50 µM (**)
Magnesium orotate 0.1 mM (ns)

Fig. 2

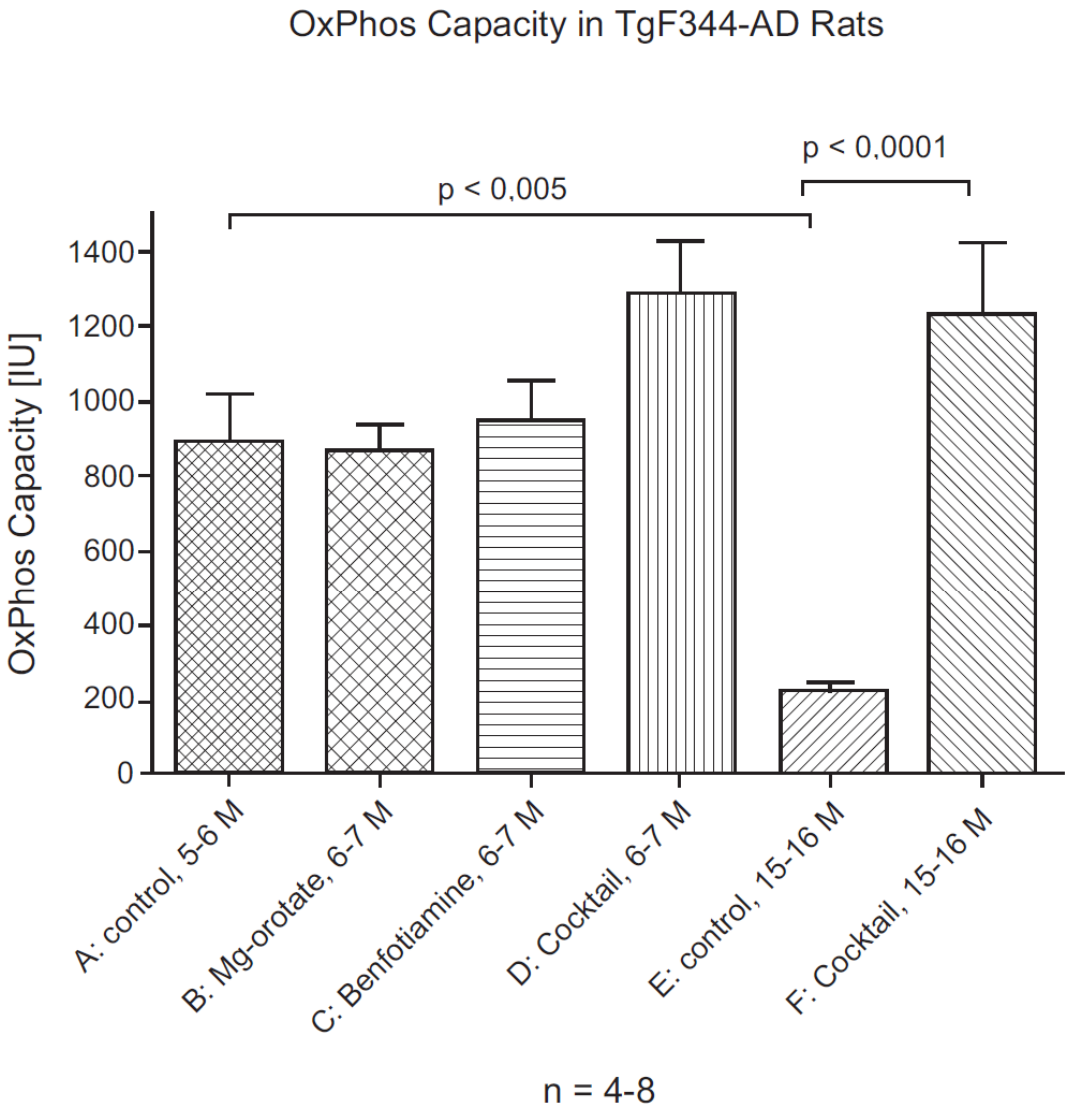

OxPhos Capacity in TgF344-AD Rats
p < 0,0001
p < 0,005
OxPhos Capacity [IU]
1400
1200
1000
800
600
400
200
0
A: control, 5-6 M
B: Mg-orotate, 6-7 M
C: Benfotiamine, 6-7 M
D: Cocktail, 6-7 M
E: control, 15-16 M
F: Cocktail, 15-16 M
n = 4-8

Fig. 3