Figure 1

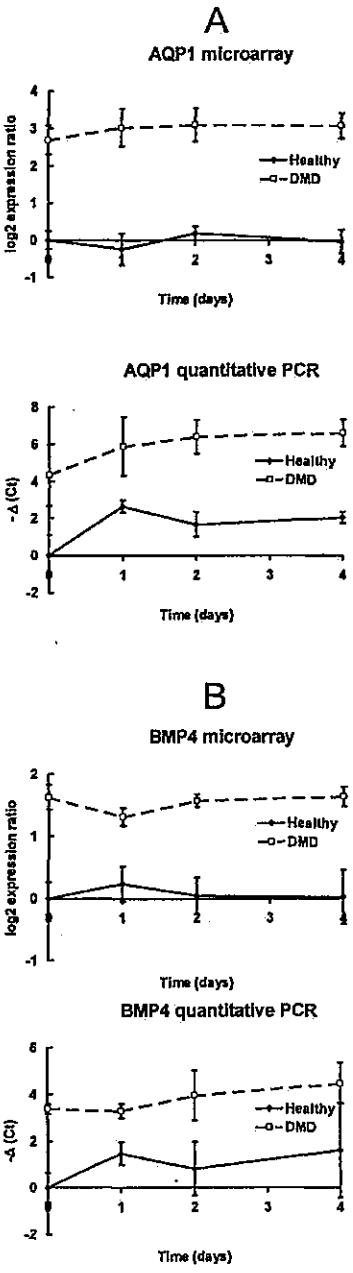

A
AQP1 microarray
log2 expression ratio
Healthy
DMD
Time (days)
AQP1 quantitative PCR
-Δ (Ct)
Healthy
DMD
Time (days)
B
BMP4 microarray
log2 expression ratio
Healthy
DMD
Time (days)
BMP4 quantitative PCR
-Δ (Ct)
Healthy
DMD
Time (days)

Figure 2

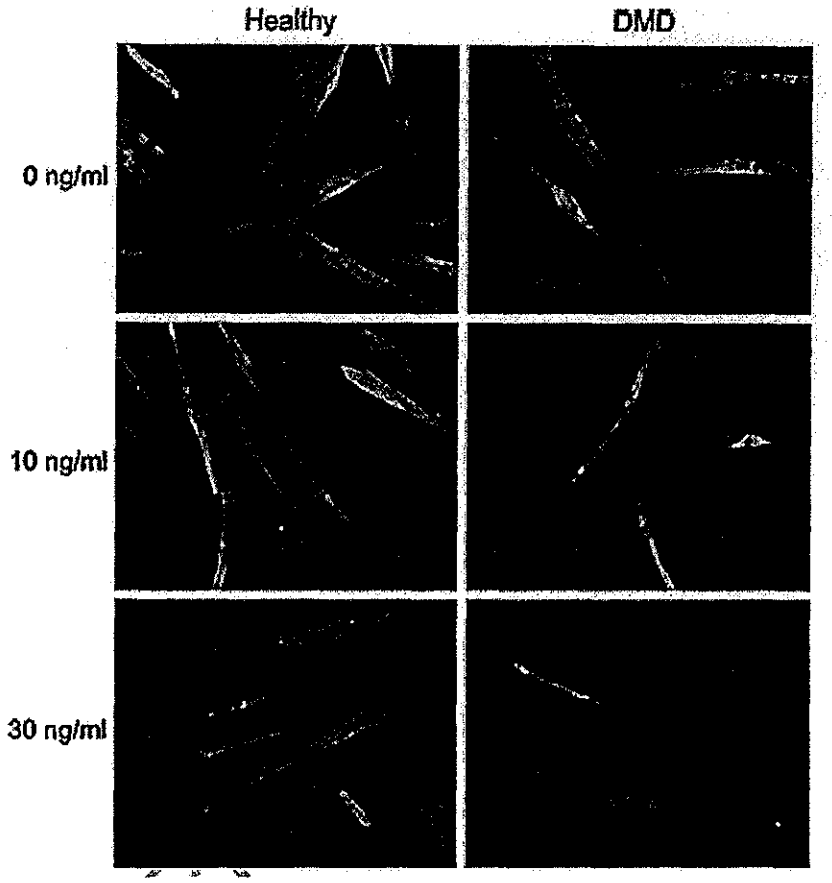
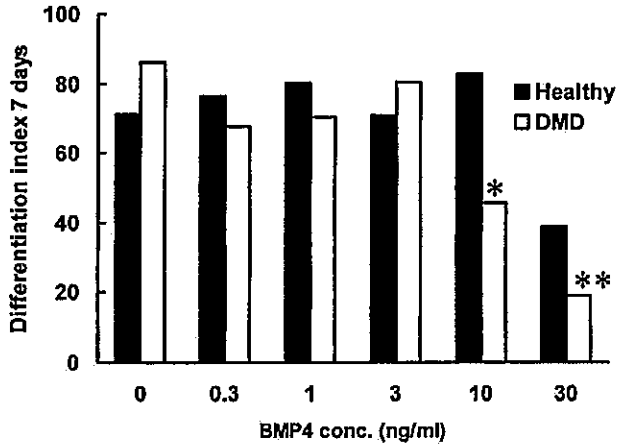


Figure 3



Supplemental Figure 1

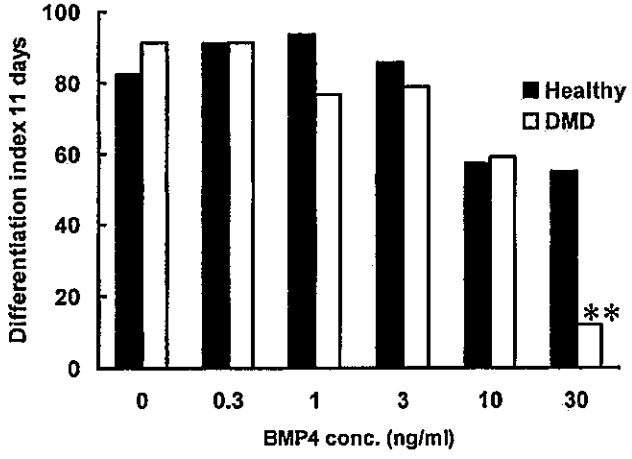


Figure 4

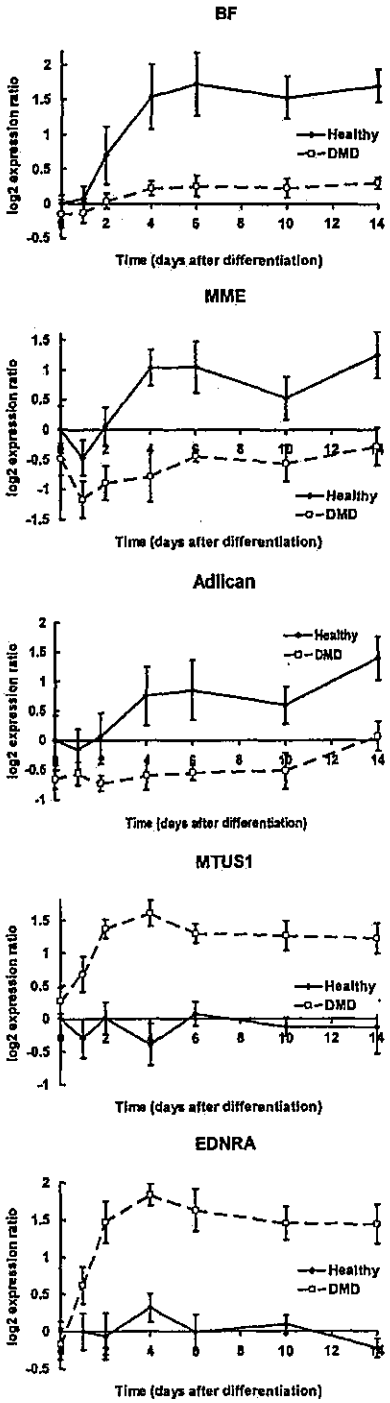

BF
log2 expression ratio
Healthy
DMD
Time (days after differentiation)
MME
log2 expression ratio
Healthy
DMD
Time (days after differentiation)
Adlican
log2 expression ratio
Healthy
DMD
Time (days after differentiation)
MTUS1
log2 expression ratio
Healthy
DMD
Time (days after differentiation)
EDNRA
log2 expression ratio
Healthy
DMD
Time (days after differentiation)

Figure 5

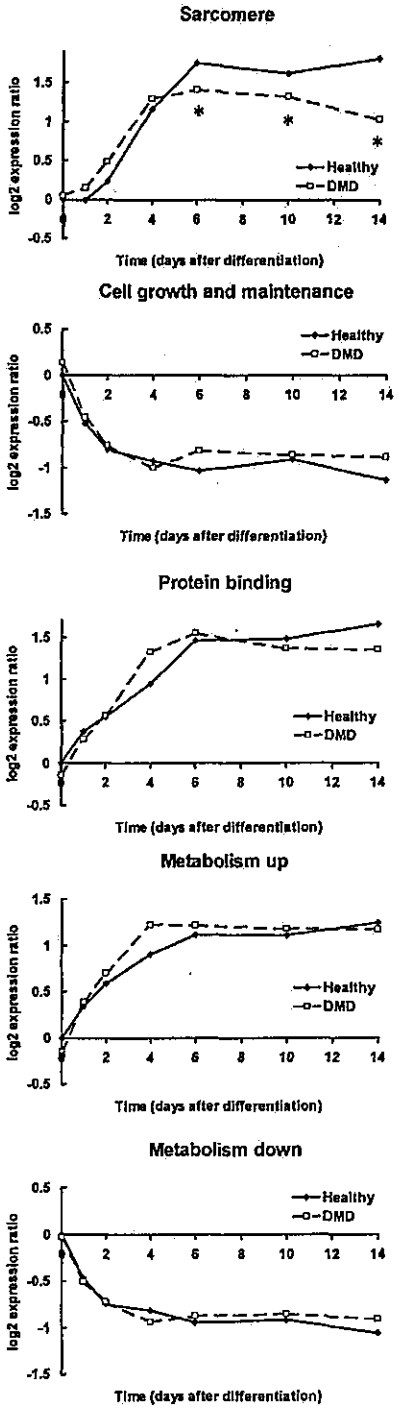
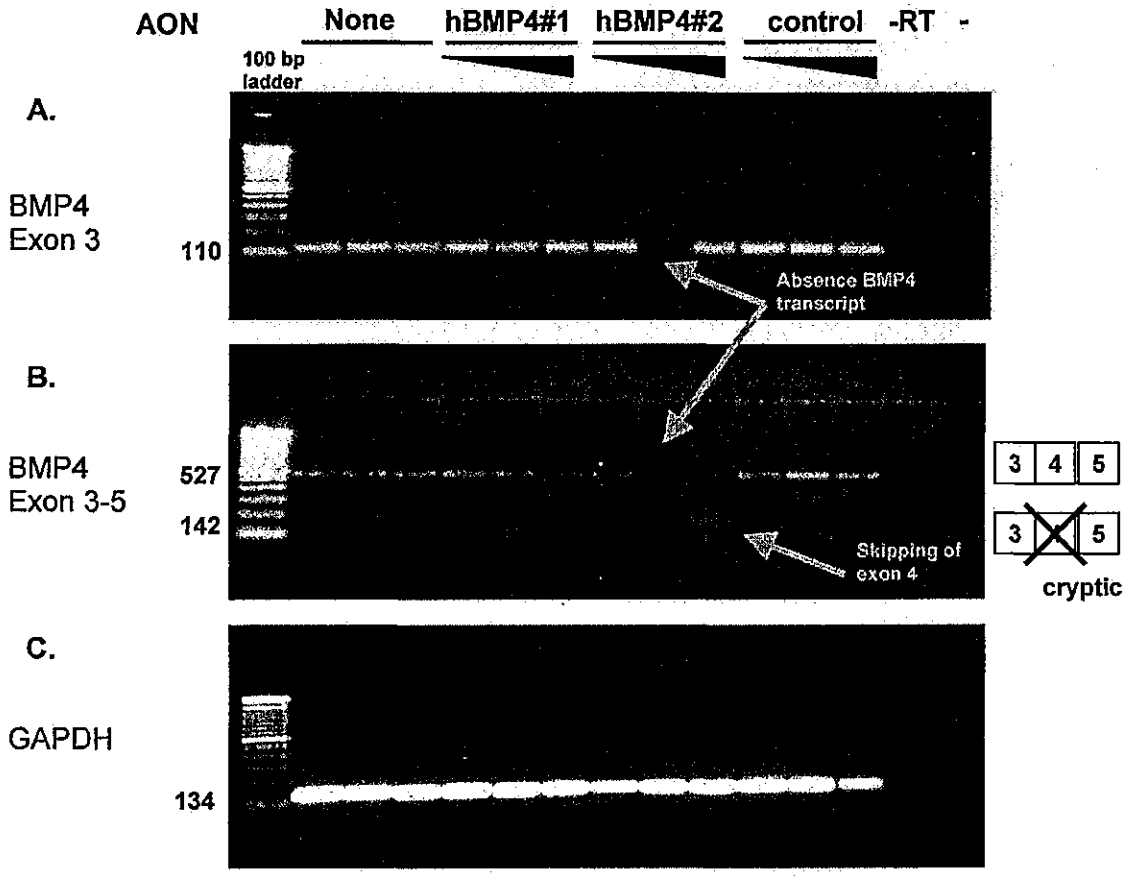
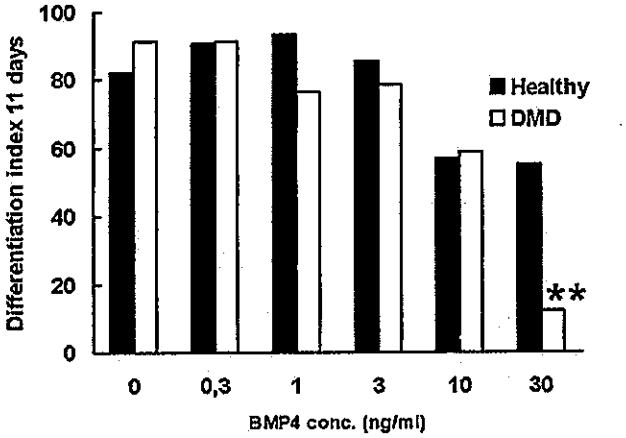

Sarcomere
log2 expression ratio
1.5
1
0.5
0
-0.5
2
4
6
8
10
12
14
*
*
*
Healthy
DMD
Time (days after differentiation)
Cell growth and maintenance
log2 expression ratio
0.5
0
-0.5
-1
-1.5
Healthy
DMD
Time (days after differentiation)
Protein binding
log2 expression ratio
Healthy
DMD
Time (days after differentiation)
Metabolism up
log2 expression ratio
Healthy
DMD
Time (days after differentiation)
Metabolism down
log2 expression ratio
Healthy
DMD
Time (days after differentiation)

Figure 6


AON
None
hBMP4#1
hBMP4#2
control
-RT
-
100 bp ladder
A.
BMP4 Exon 3
110
Absence BMP4 transcript
B.
BMP4 Exon 3-5
527
142
Skipping of exon 4
3
4
5
3
5
cryptic
C.
GAPDH
134

Supplemental Figure 1



Supplemental Figure 2

