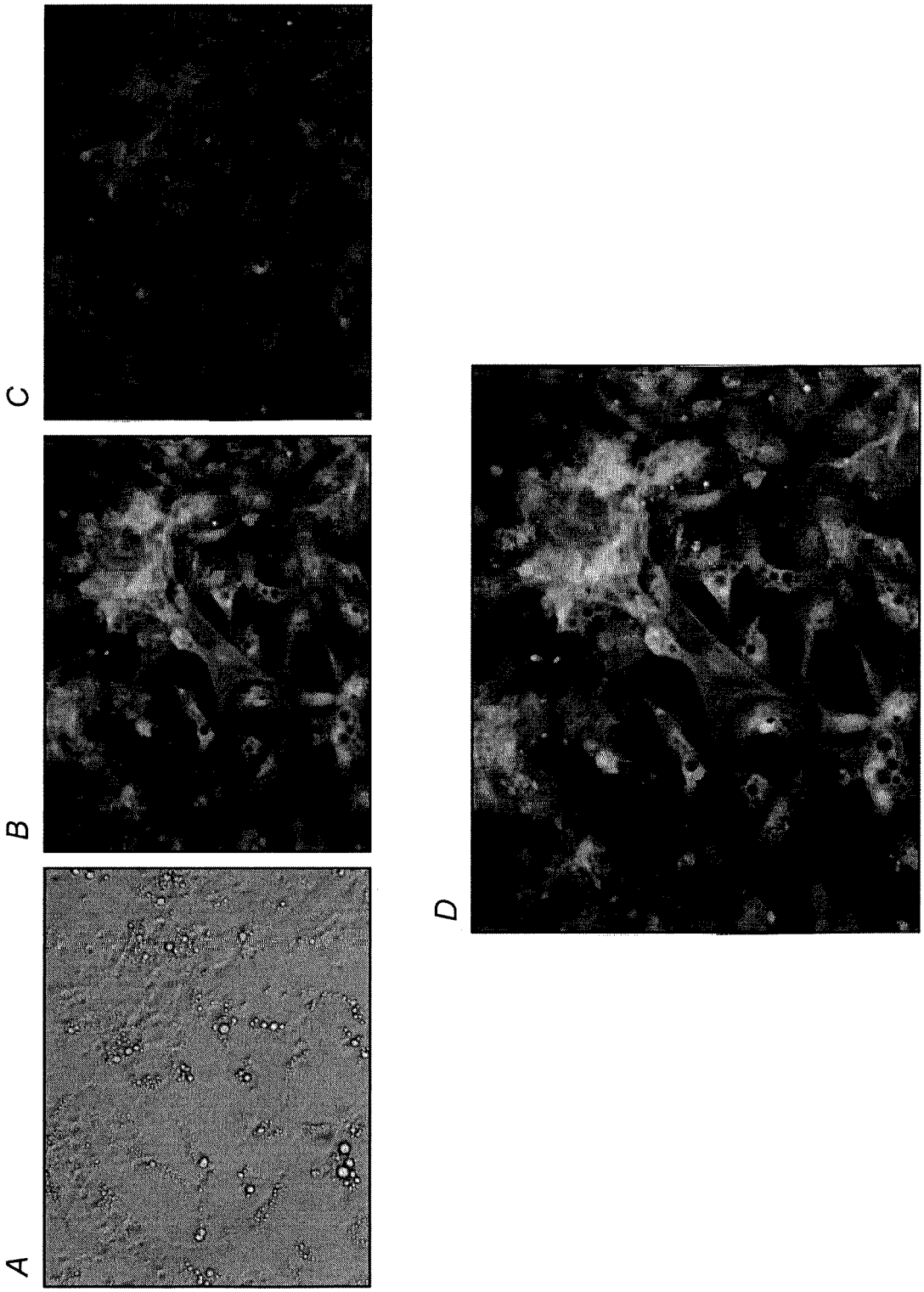


FIG. 1

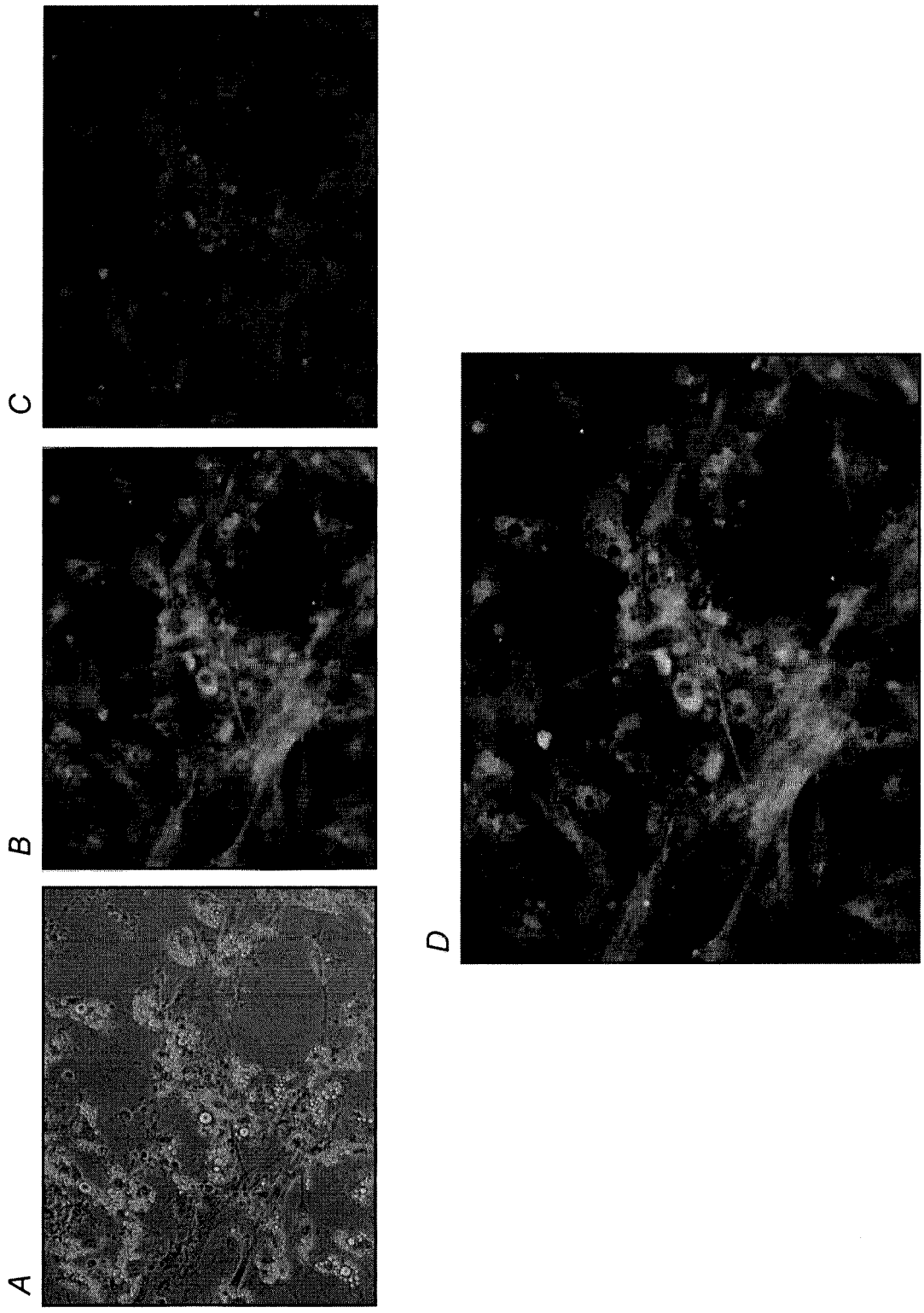


FIG. 2

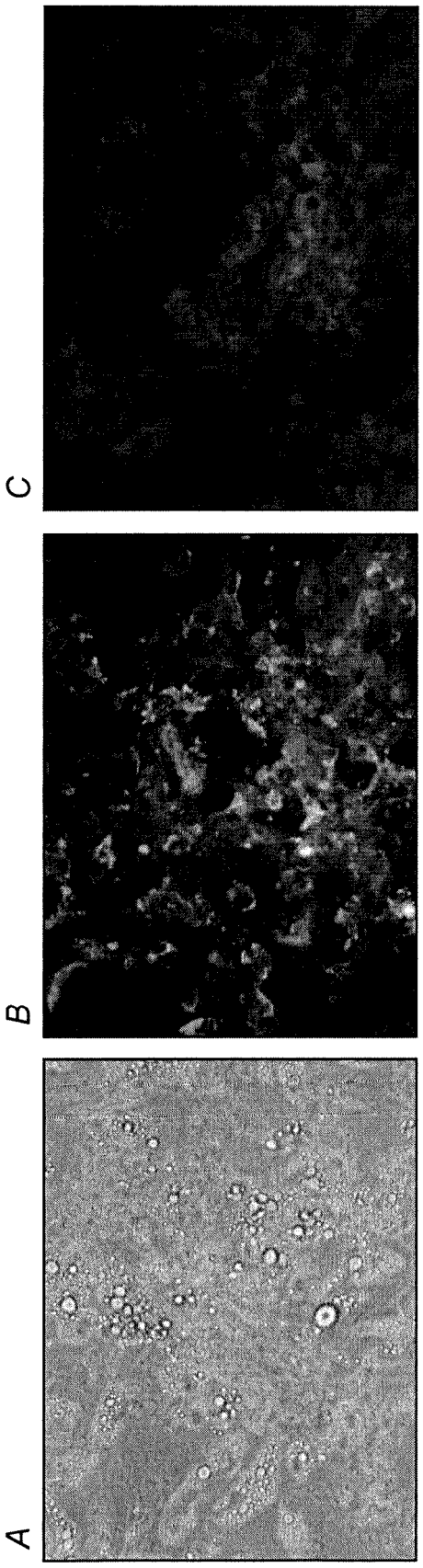


FIG. 3

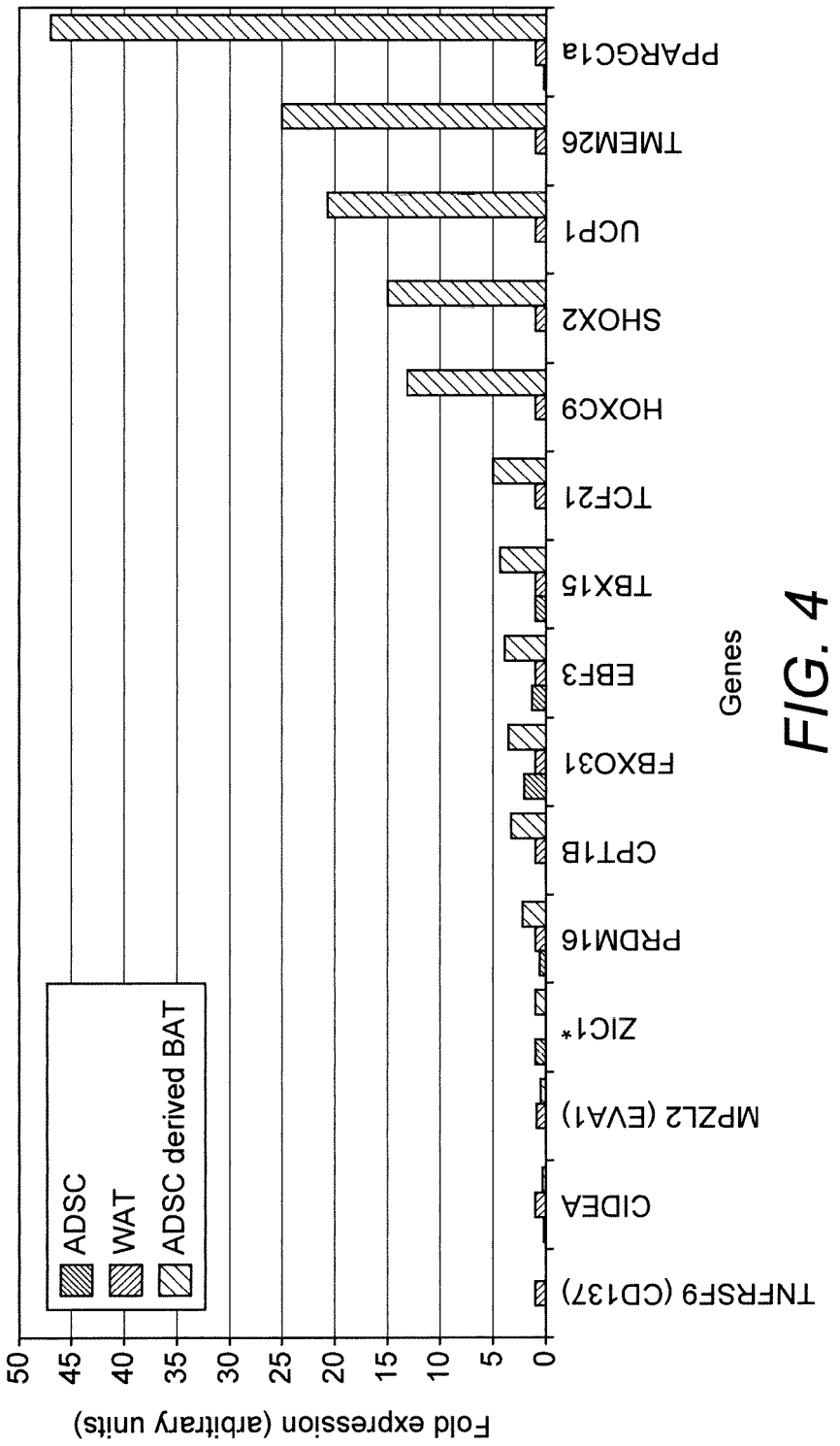

ADSC
WAT
ADSC derived BAT
Fold expression (arbitrary units)
0
5
10
15
20
25
30
35
40
45
50
Genes
TNFRSF9 (CD137)
CIDEA
MPZL2 (EVA1)
ZIC1*
PRDM16
CPT1B
FBXO31
EBF3
TBX15
TCF21
HOXC9
SHOX2
UCP1
TMEM26
PPARGC1a

FIG. 4

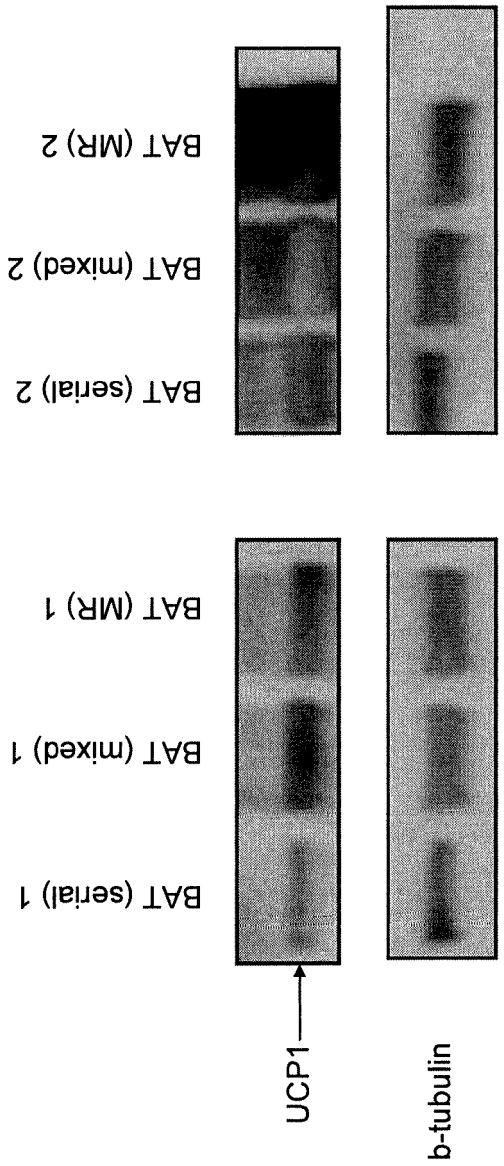

BAT (MR) 2
BAT (mixed) 2
BAT (serial) 2
BAT (MR) 1
BAT (mixed) 1
BAT (serial) 1
UCP1
b-tubulin

FIG. 5

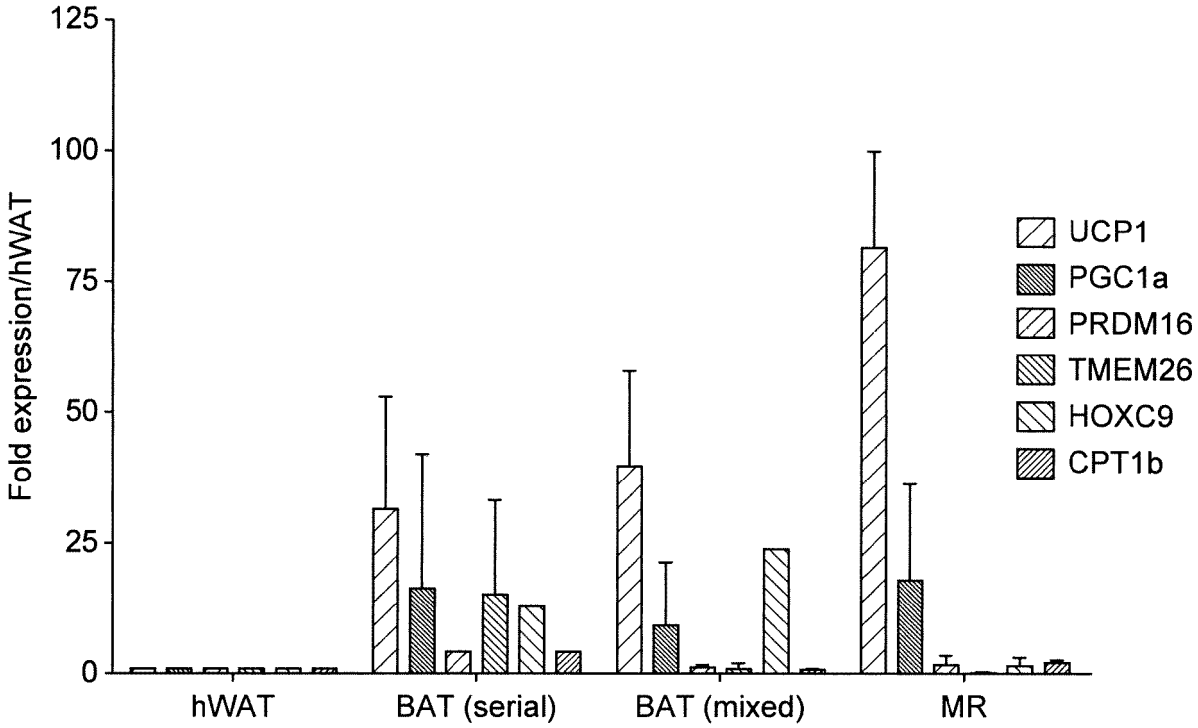

125
100
75
50
25
0
Fold expression/hWAT
UCP1
PGC1a
PRDM16
TMEM26
HOXC9
CPT1b
hWAT
BAT (serial)
BAT (mixed)
MR

FIG. 6

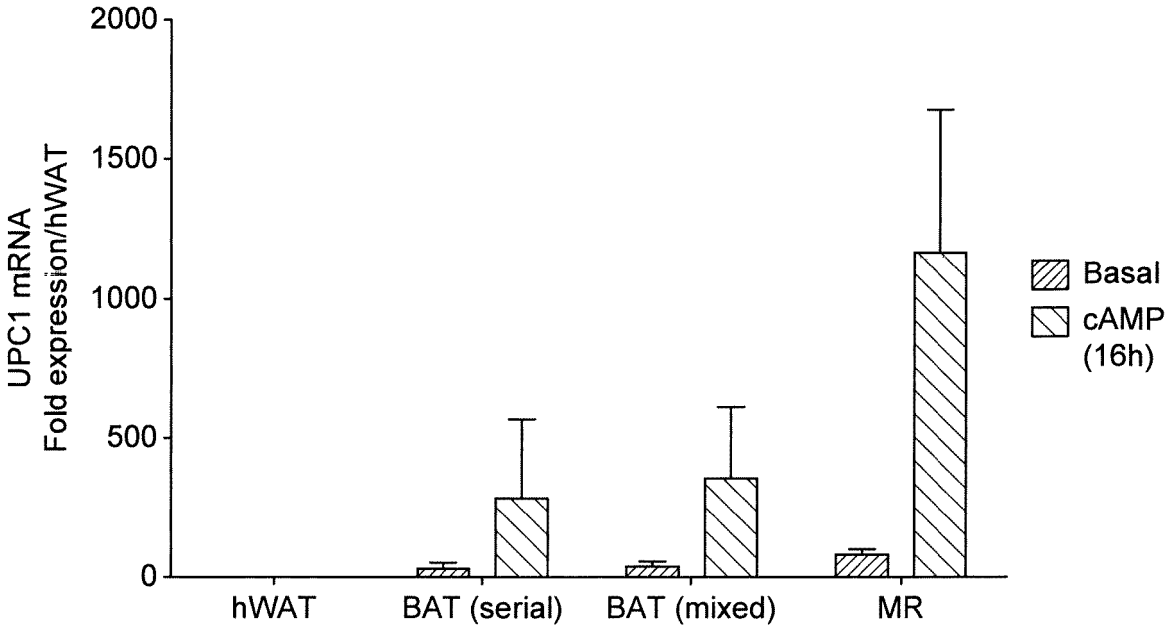

2000
1500
1000
500
0
UPC1 mRNA
Fold expression/hWAT
Basal
cAMP
(16h)
hWAT
BAT (serial)
BAT (mixed)
MR

FIG. 7

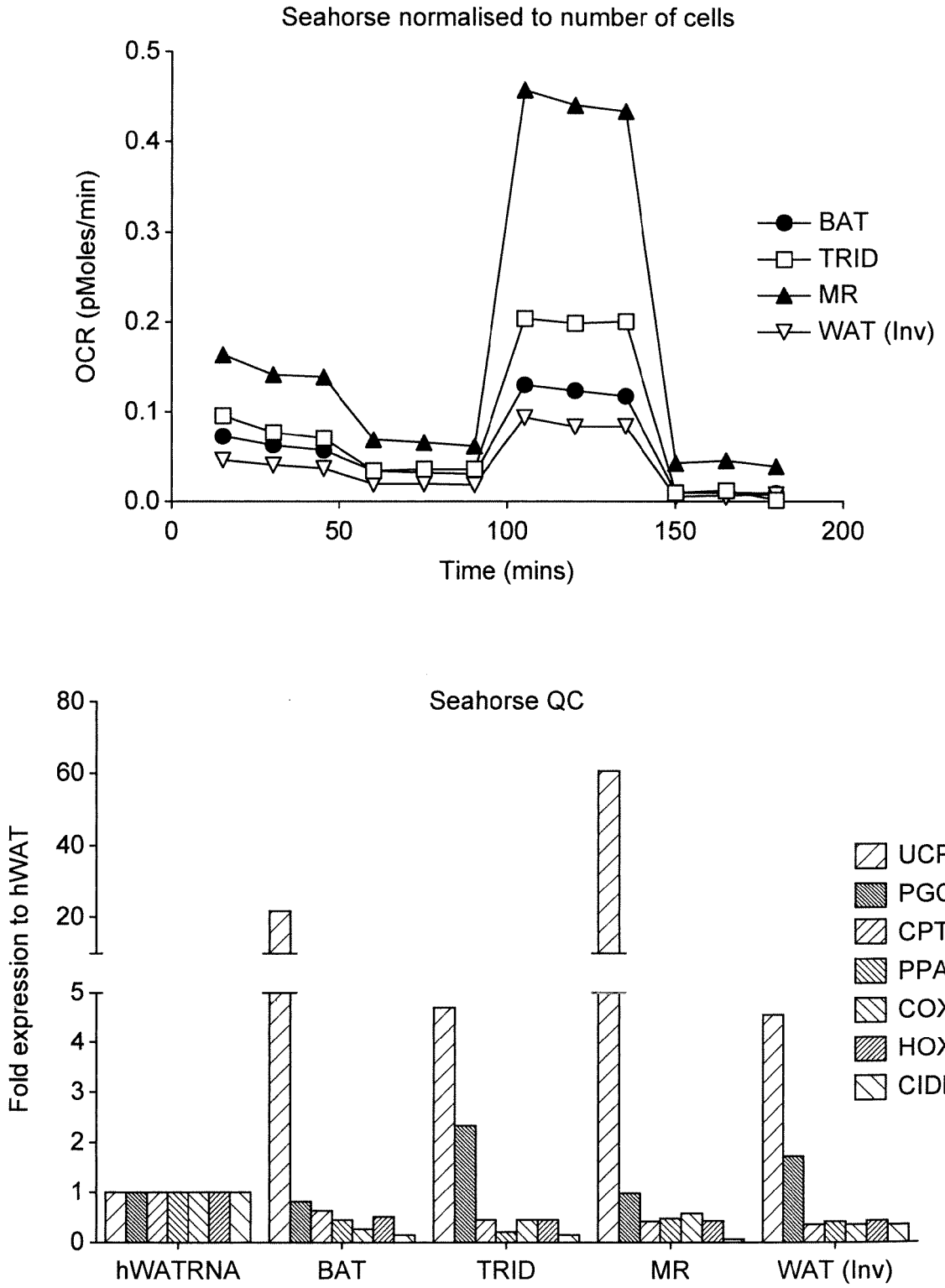

Seahorse normalised to number of cells
OCR (pMoles/min)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
Time (mins)
BAT
TRID
MR
WAT (Inv)
Seahorse QC
Fold expression to hWAT
80
60
40
20
5
4
3
2
1
0
hWATRNA
BAT
TRID
MR
WAT (Inv)
UCP1
PGC1a
CPT1b
PPARg
COX7A
HOXC9
CIDEA

FIG. 8