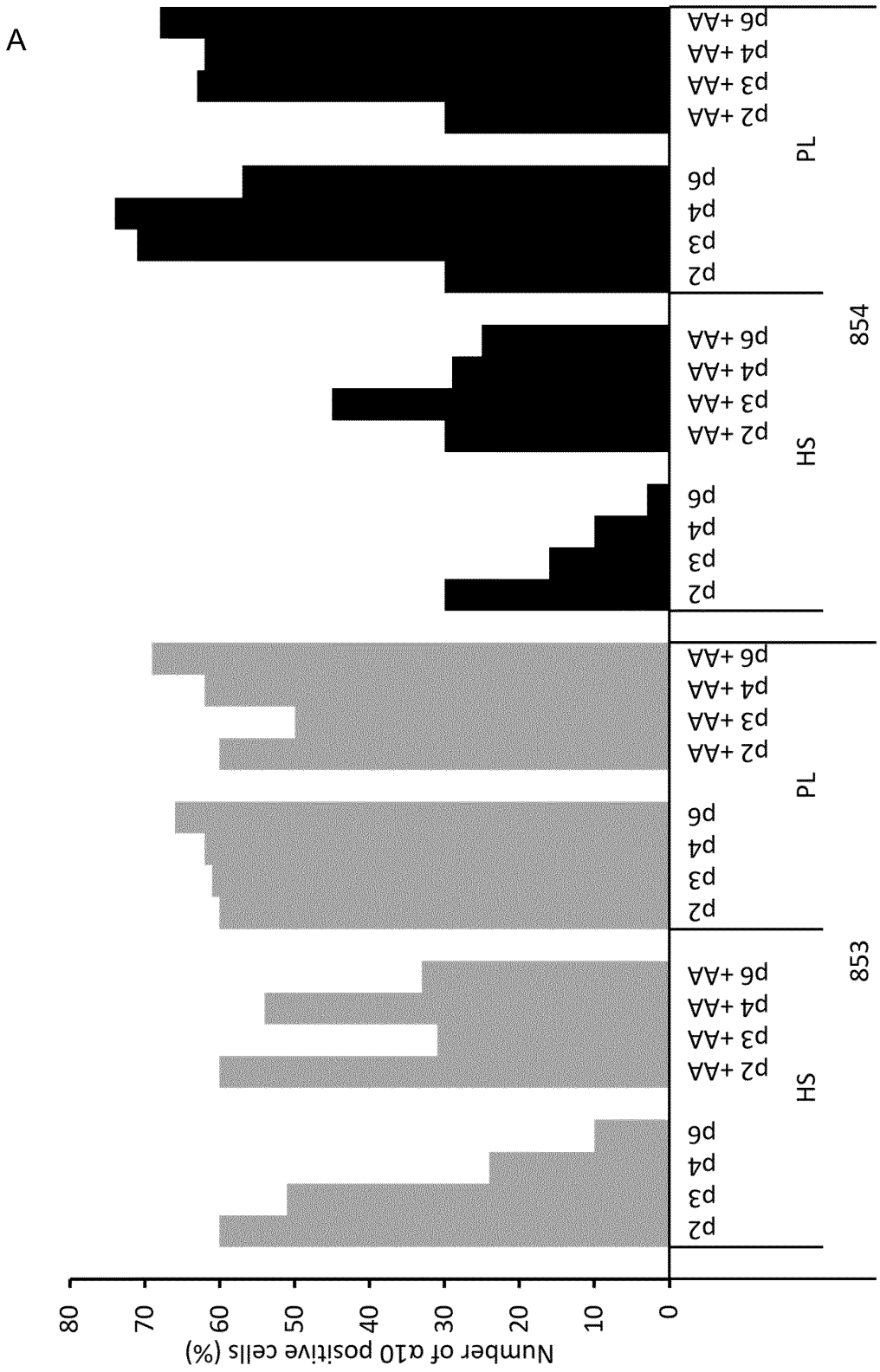

A
Number of α10 positive cells (%)
0
10
20
30
40
50
60
70
80
853
854
HS
PL
HS
PL
p2
p3
p4
p6
p2 +AA
p3 +AA
p4 +AA
p6 +AA

Figure 1

B

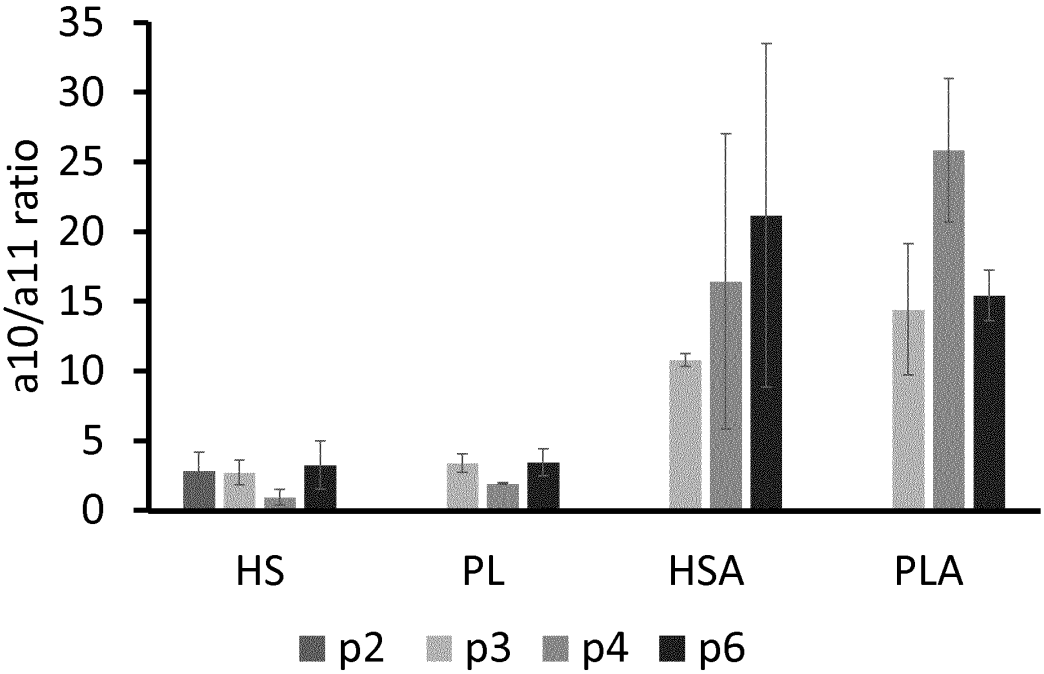


Figure 1(continued)

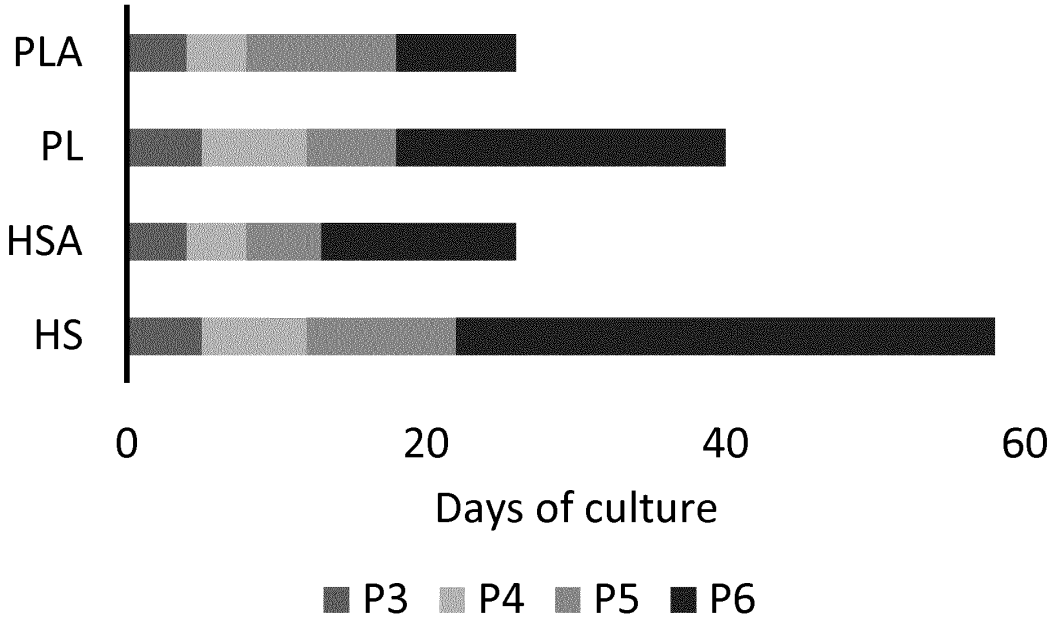
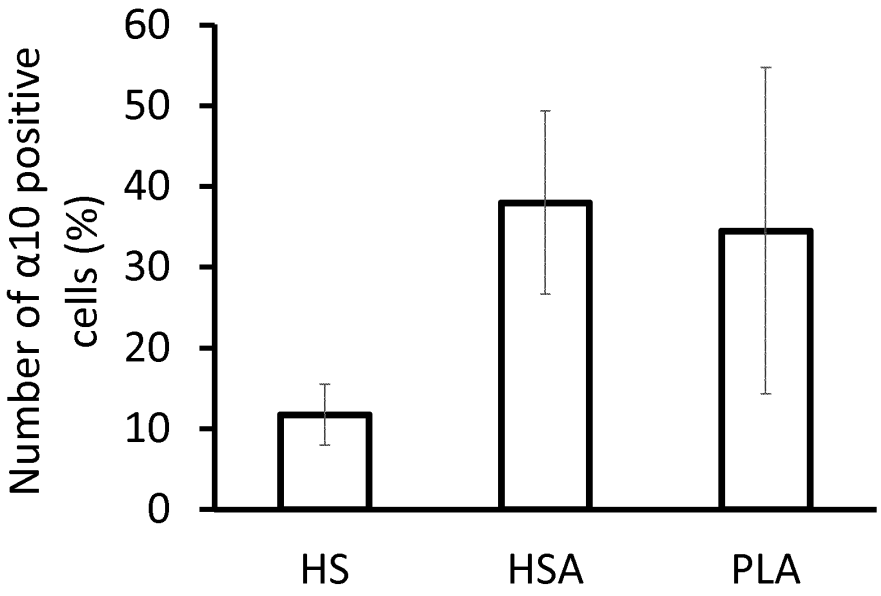


Figure 2

A


Number of α10 positive cells (%)
60
50
40
30
20
10
0
HS
HSA
PLA

B

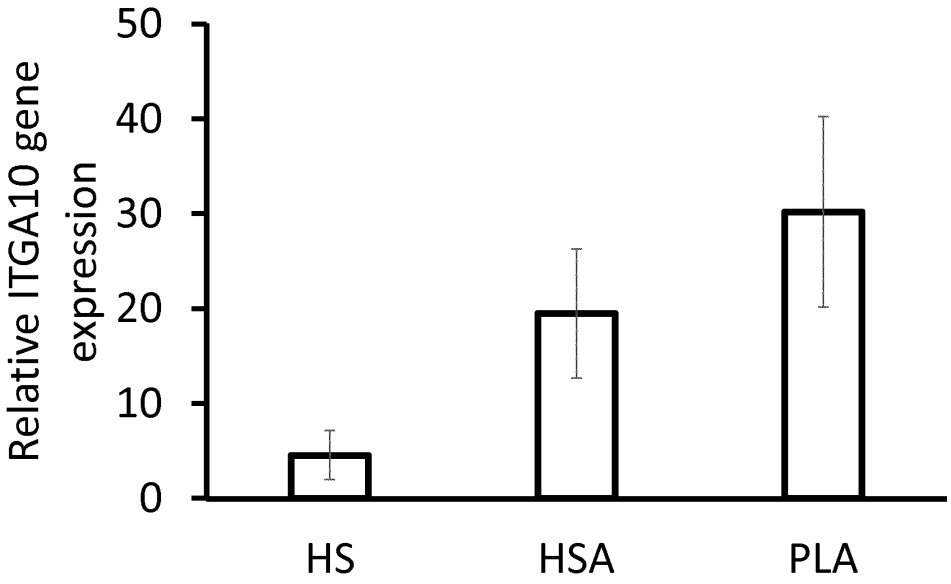
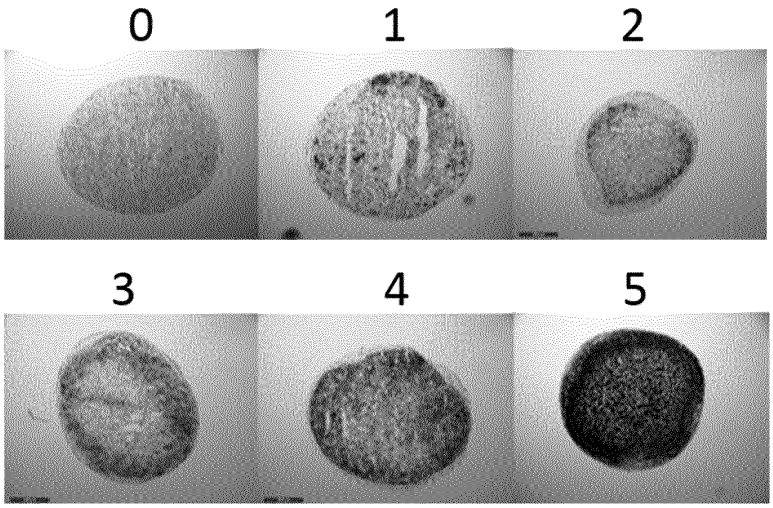

Relative ITGA10 gene expression
50
40
30
20
10
0
HS
HSA
PLA

Figure 3

A


0
1
2
3
4
5

B

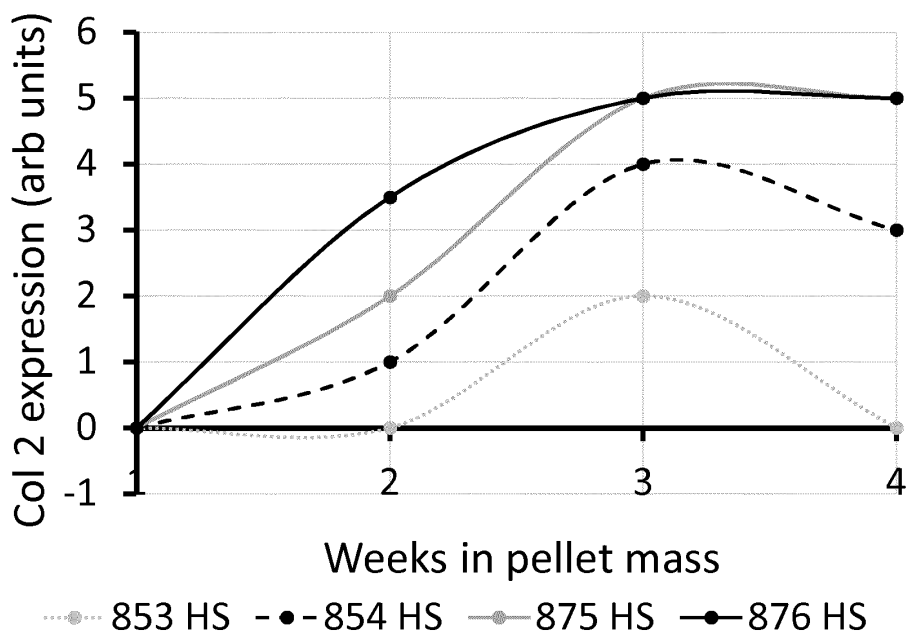
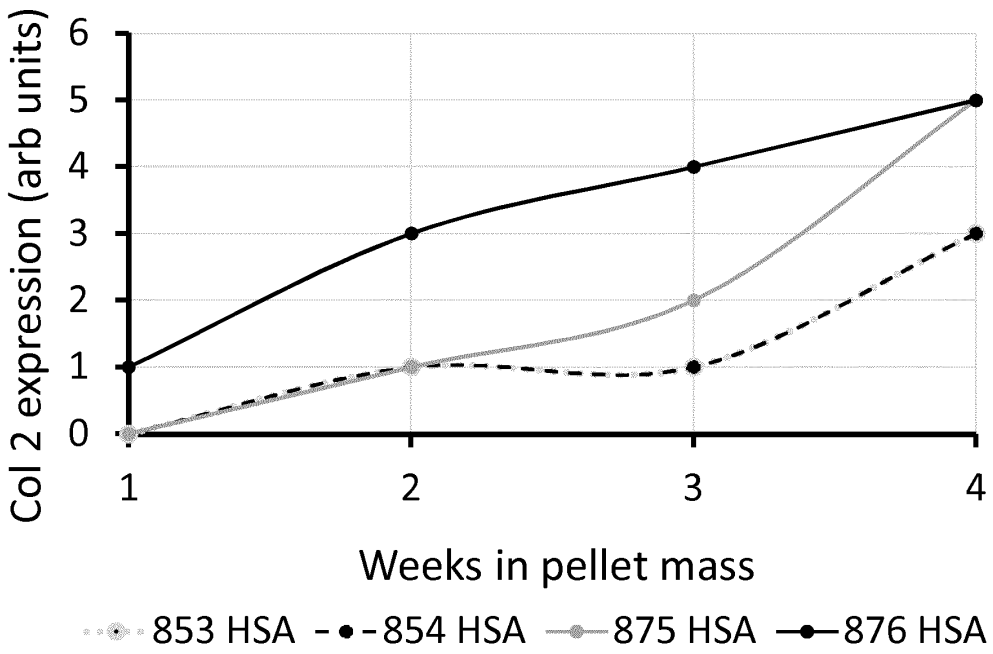

Col 2 expression (arb units)
6
5
4
3
2
1
0
-1
1
2
3
4
Weeks in pellet mass
853 HS
854 HS
875 HS
876 HS

Figure 4

C



D

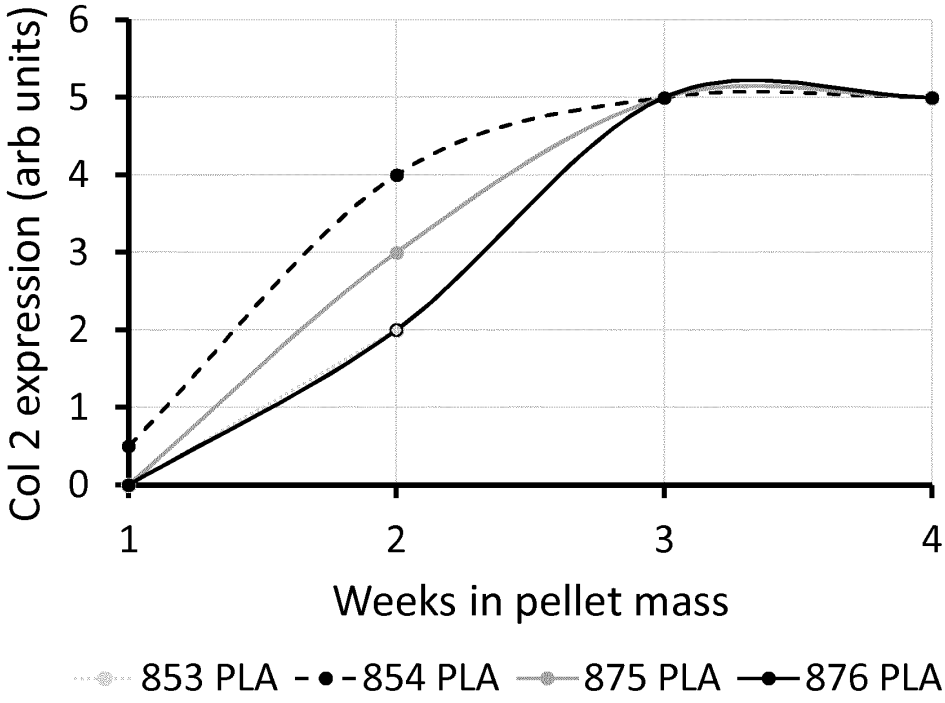


Figure 4 (continued)

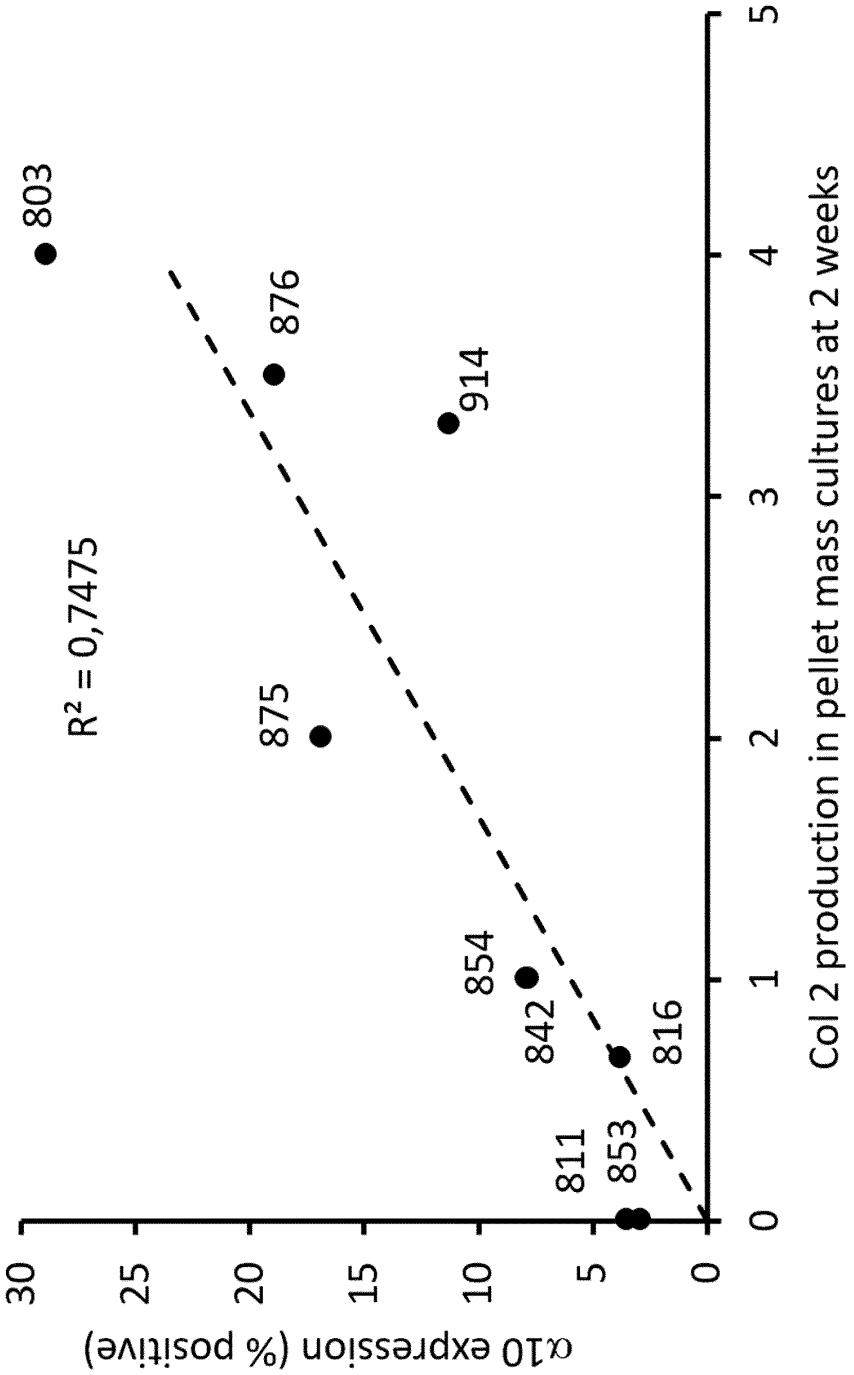
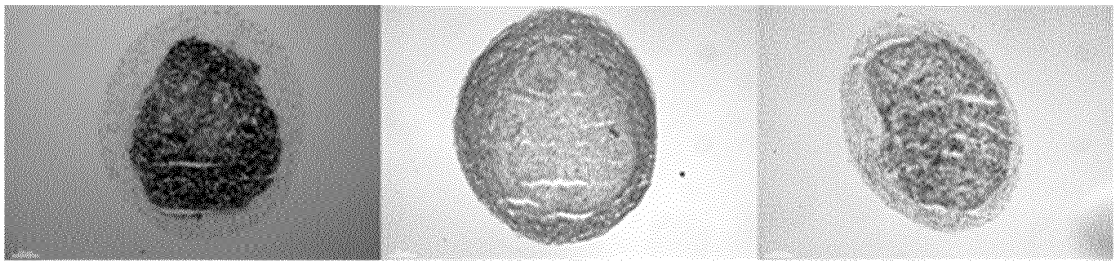

α10 expression (% positive)
Col 2 production in pellet mass cultures at 2 weeks
R² = 0,7475
803
876
914
875
854
842
816
811
853
0
5
10
15
20
25
30
0
1
2
3
4
5

Figure 5

A



Collagen II Collagen I Integrin α10

B

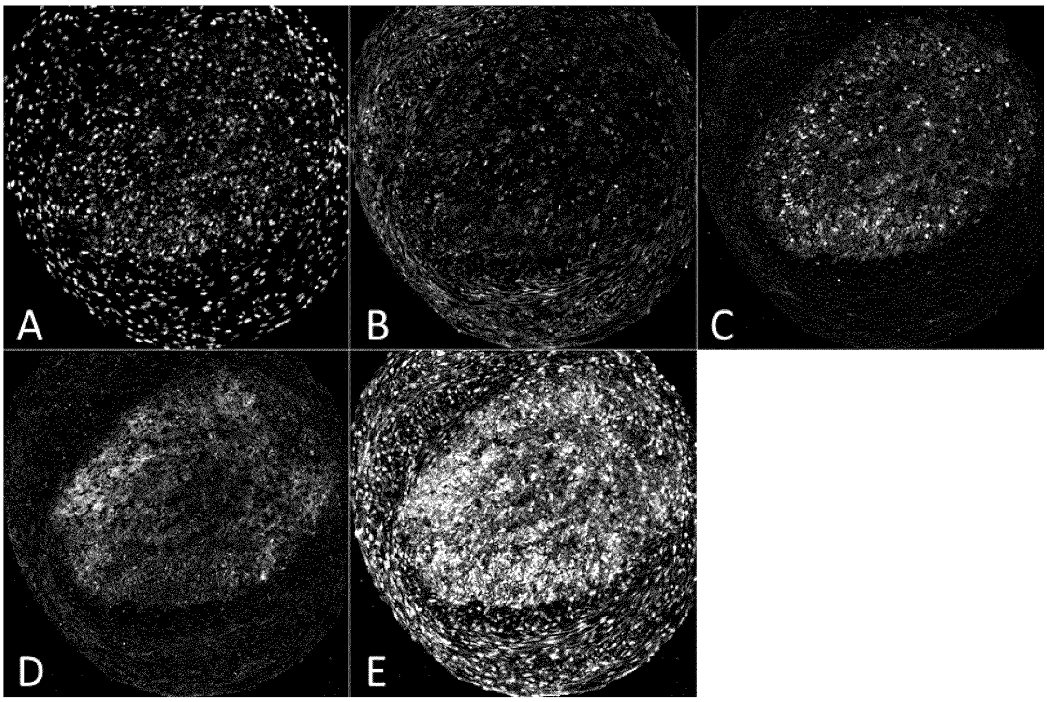


Figure 6

A

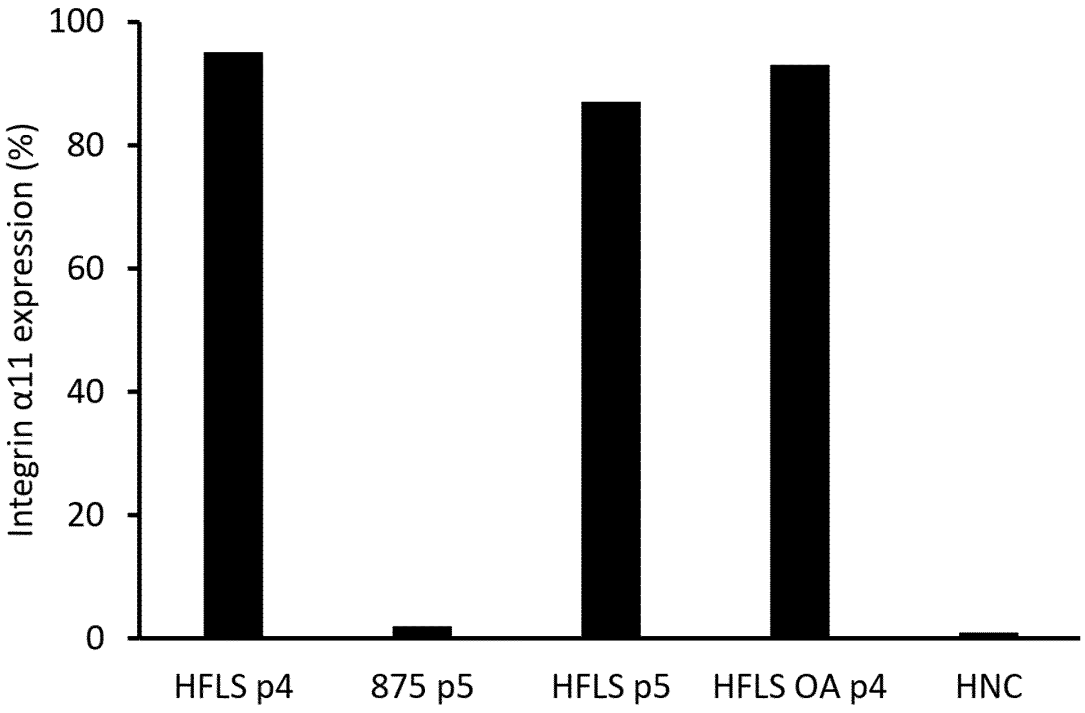

100
80
60
40
20
0
Integrin α11 expression (%)
HFLS p4
875 p5
HFLS p5
HFLS OA p4
HNC

Figure 7

B

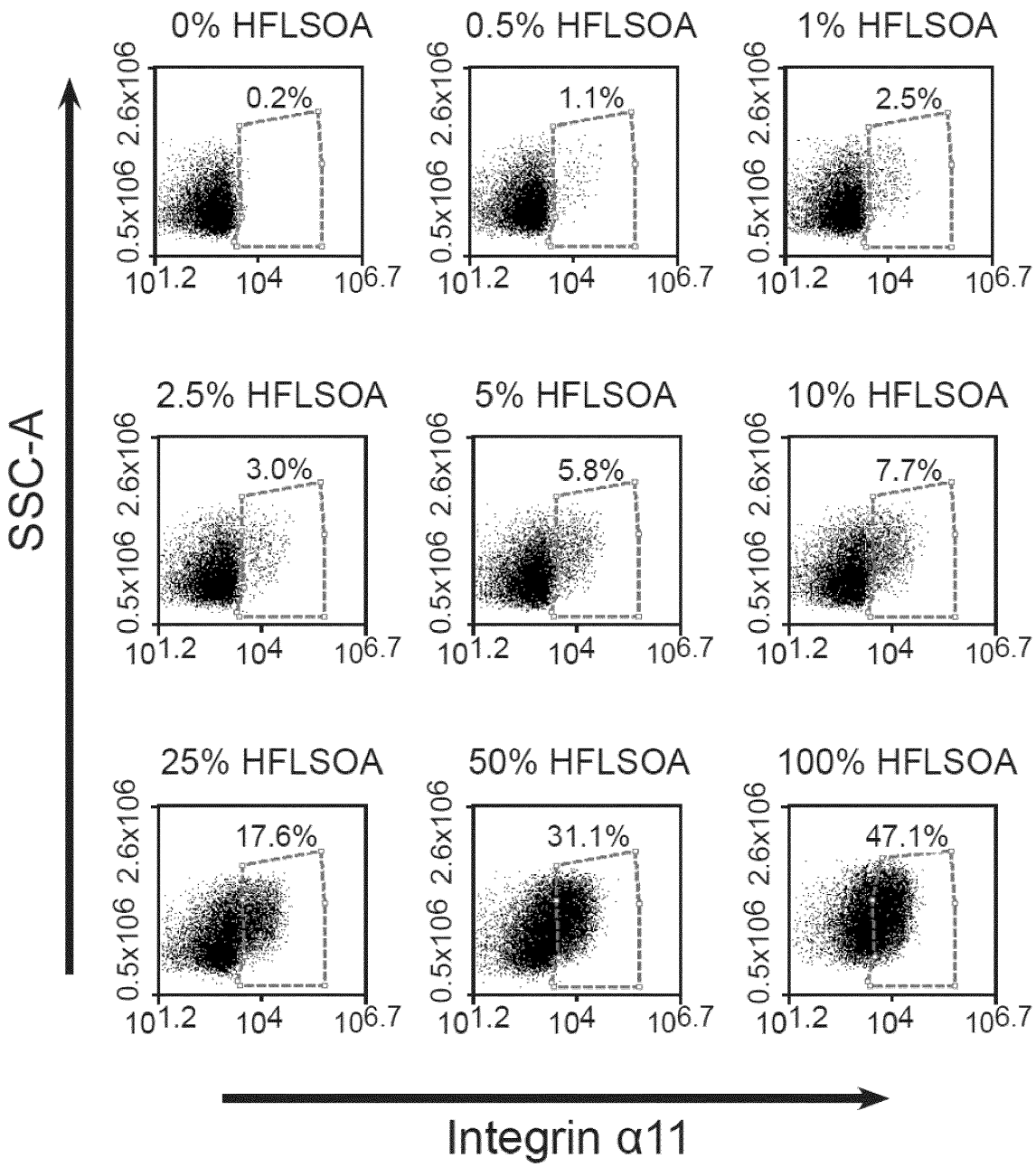


Figure 7 (continued)

C

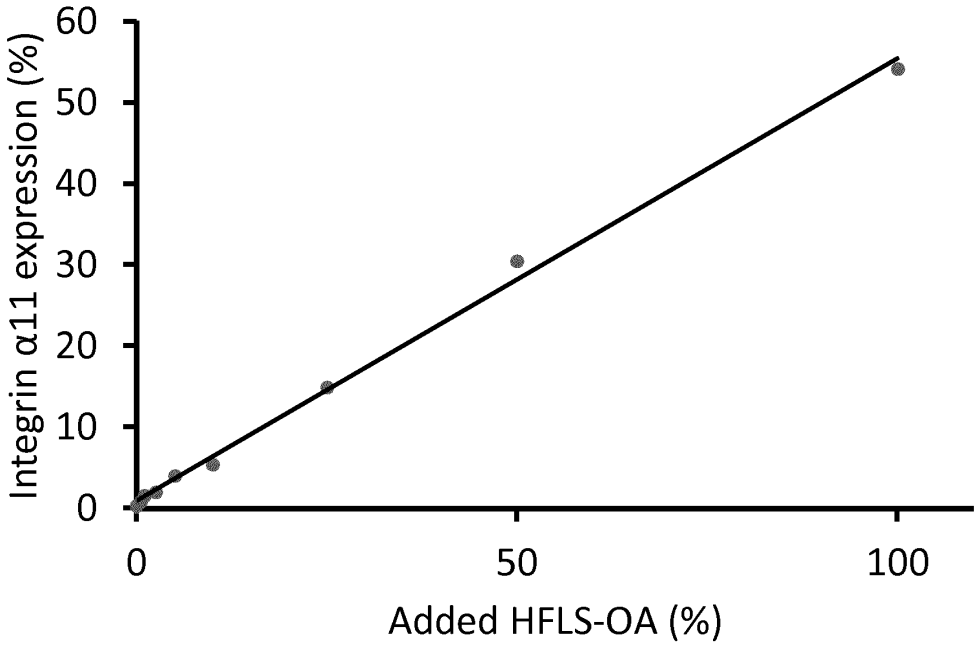
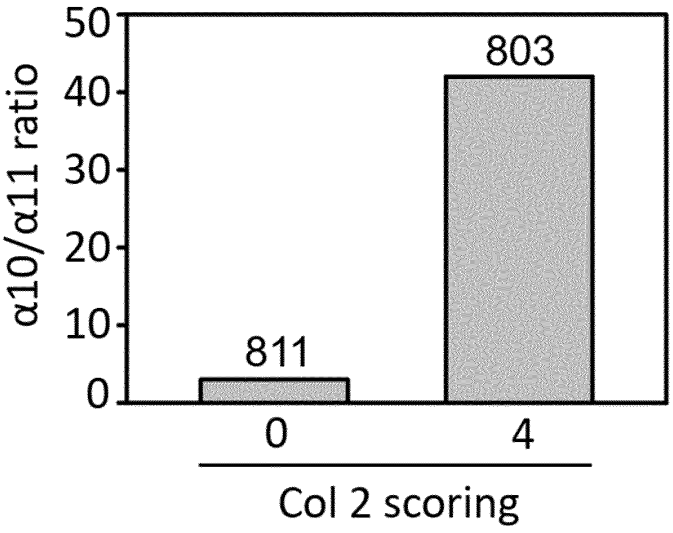


Figure 7 (continued)

A


50
40
30
20
10
0
α10/α11 ratio
803
811
0
4
Col 2 scoring

B

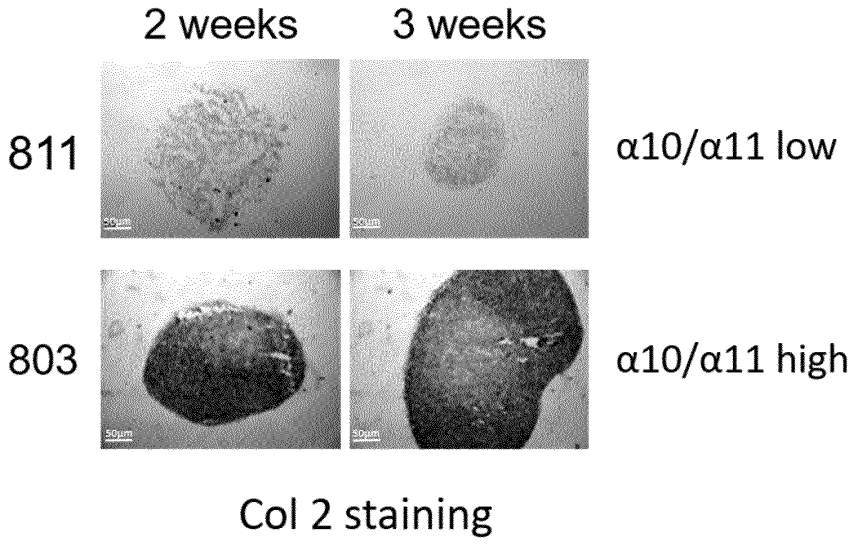

2 weeks
3 weeks
811
α10/α11 low
803
α10/α11 high
Col 2 staining

Figure 8

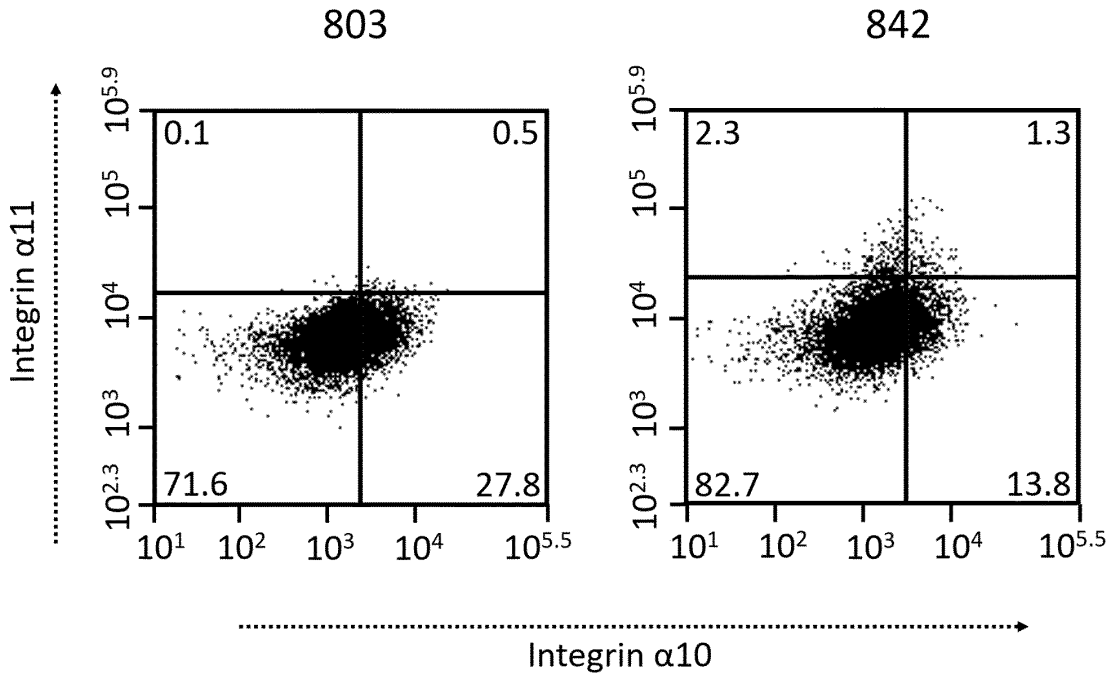

803
842
Integrin α11
Integrin α10
0.1
0.5
71.6
27.8
2.3
1.3
82.7
13.8
$10^{2.3}$
10^3
10^4
10^5
$10^{5.9}$
10^1
10^2
10^3
10^4
$10^{5.5}$

Figure 9