Figure 1A

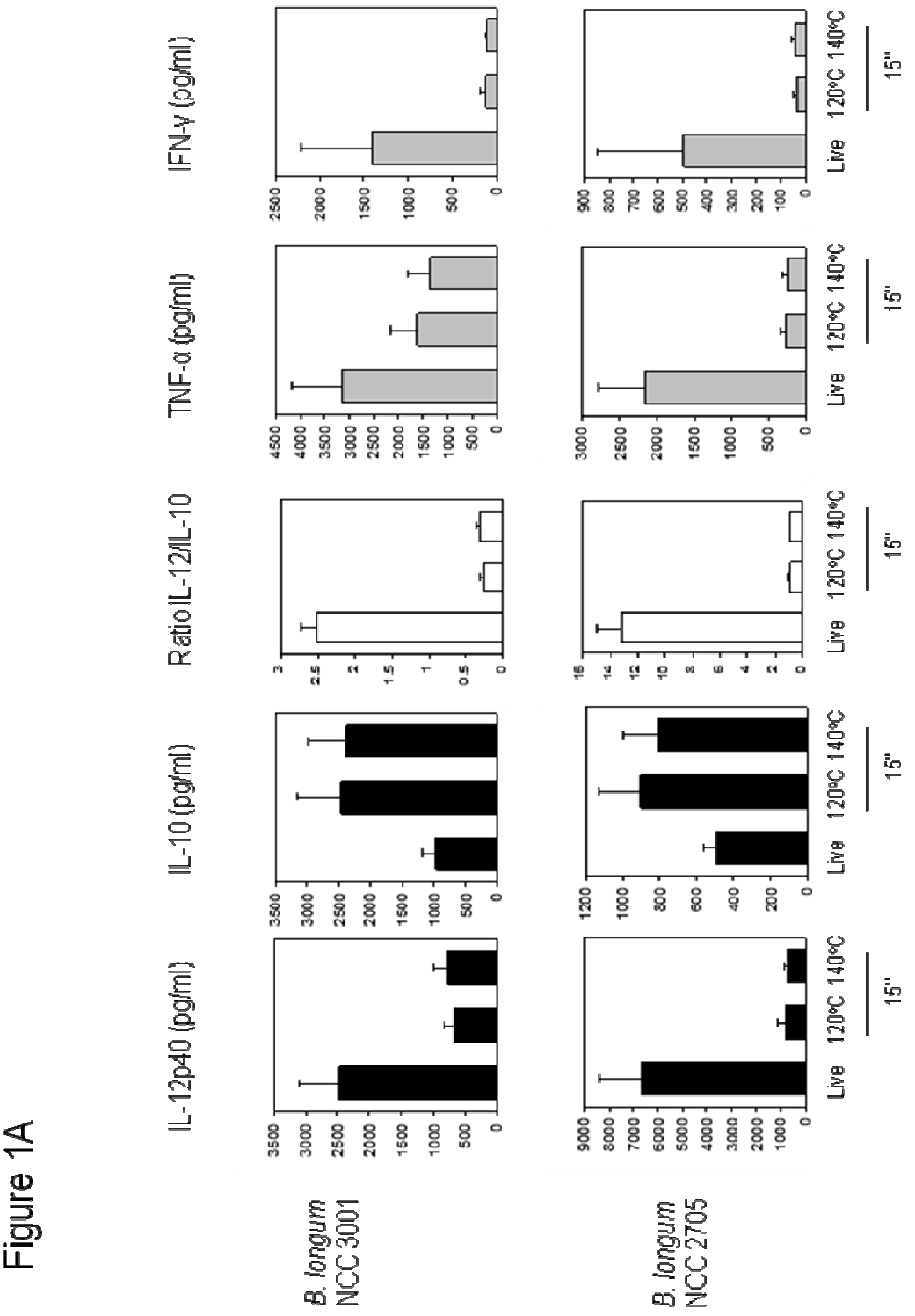

IL-12p40 (pg/ml)
IL-10 (pg/ml)
Ratio IL-12/IL-10
TNF-α (pg/ml)
IFN-γ (pg/ml)
B. longum NCC 3001
B. longum NCC 2705
Live
120°C
140°C
15''

Figure 1B

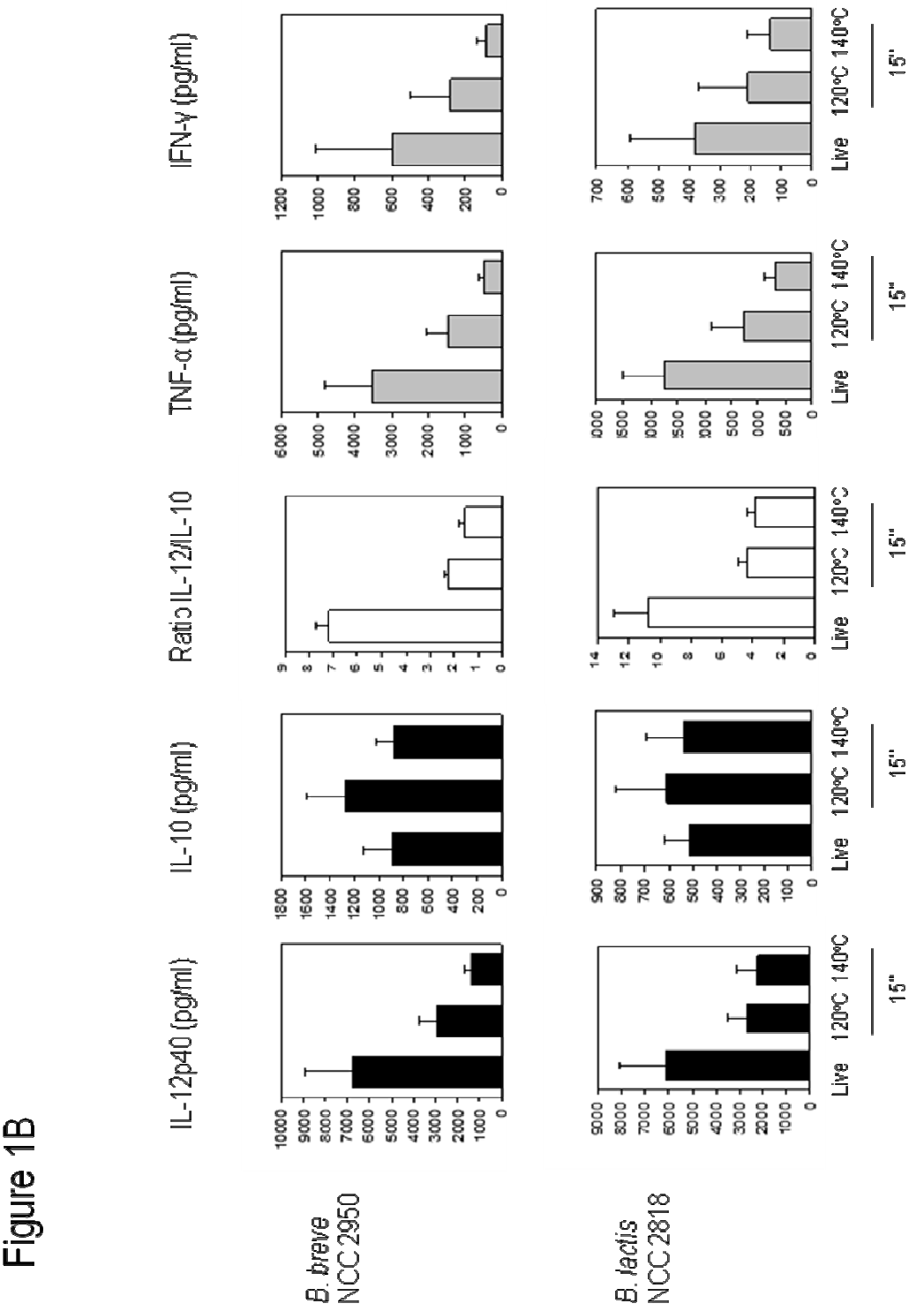

IL-12p40 (pg/ml)
IL-10 (pg/ml)
Ratio IL-12/IL-10
TNF-α (pg/ml)
IFN-γ (pg/ml)
B. breve NCC 2950
B. lactis NCC 2818
Live
120°C 140°C
15''

Figure 2

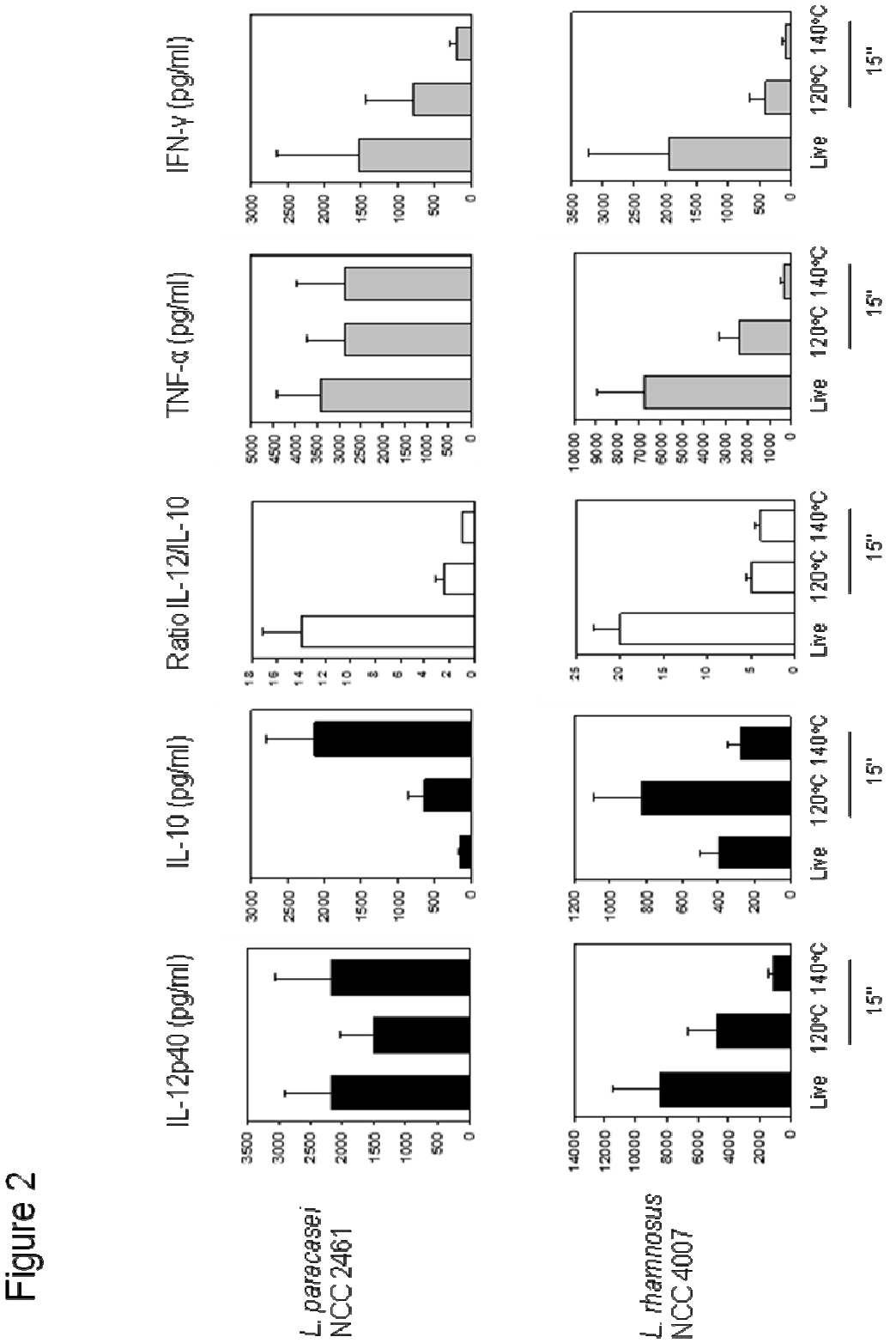

IL-12p40 (pg/ml)
IL-10 (pg/ml)
Ratio IL-12/IL-10
TNF-α (pg/ml)
IFN-γ (pg/ml)
L. paracasei NCC 2461
L. rhamnosus NCC 4007
Live
120°C 140°C
15"

Figure 3A

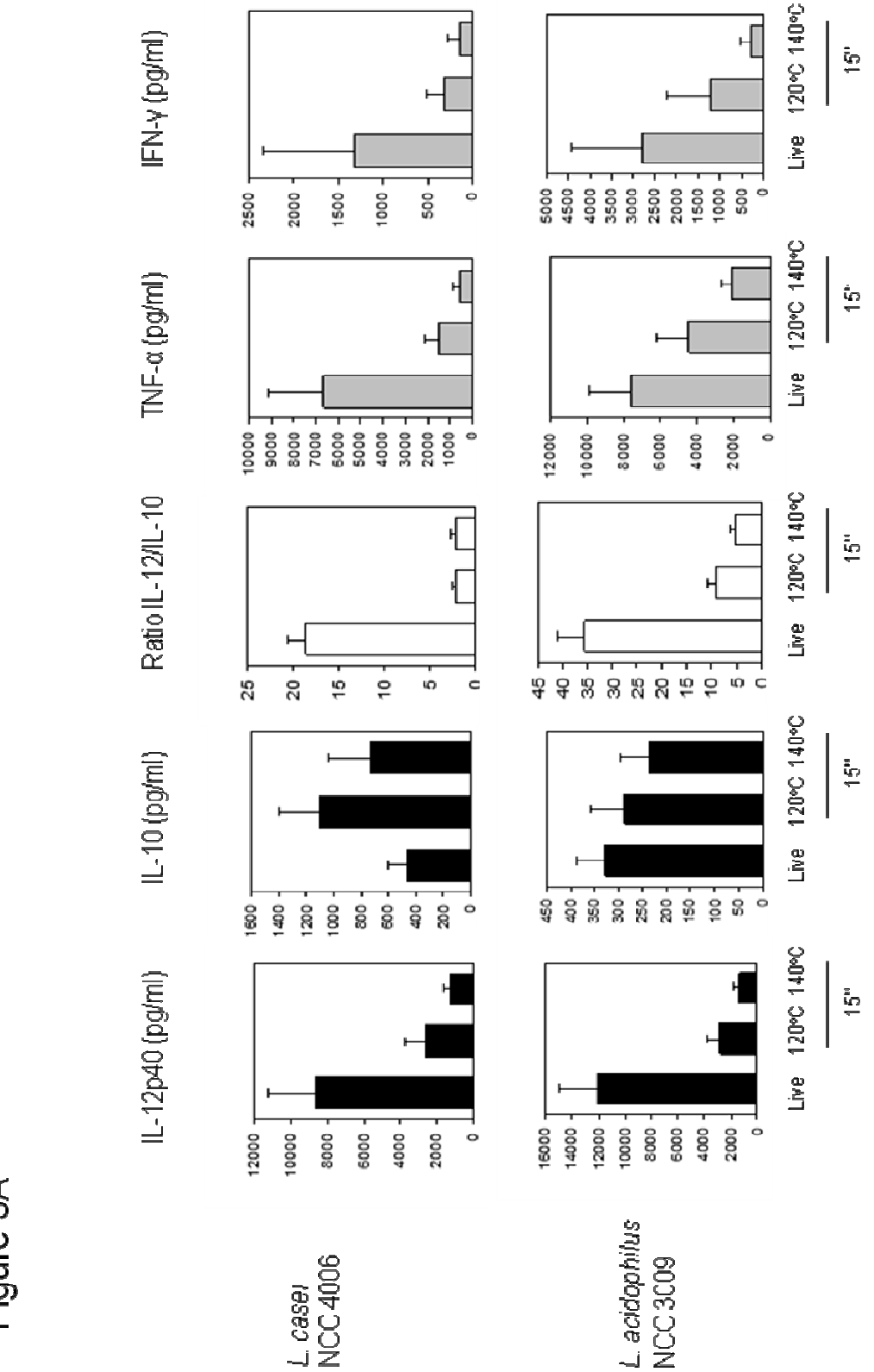

IL-12p40 (pg/ml)
IL-10 (pg/ml)
Ratio IL-12/IL-10
TNF-α (pg/ml)
IFN-γ (pg/ml)
L. casei NCC 4006
L. acidophilus NCC 3009
Live
120°C 140°C
15"
15'

Figure 3B

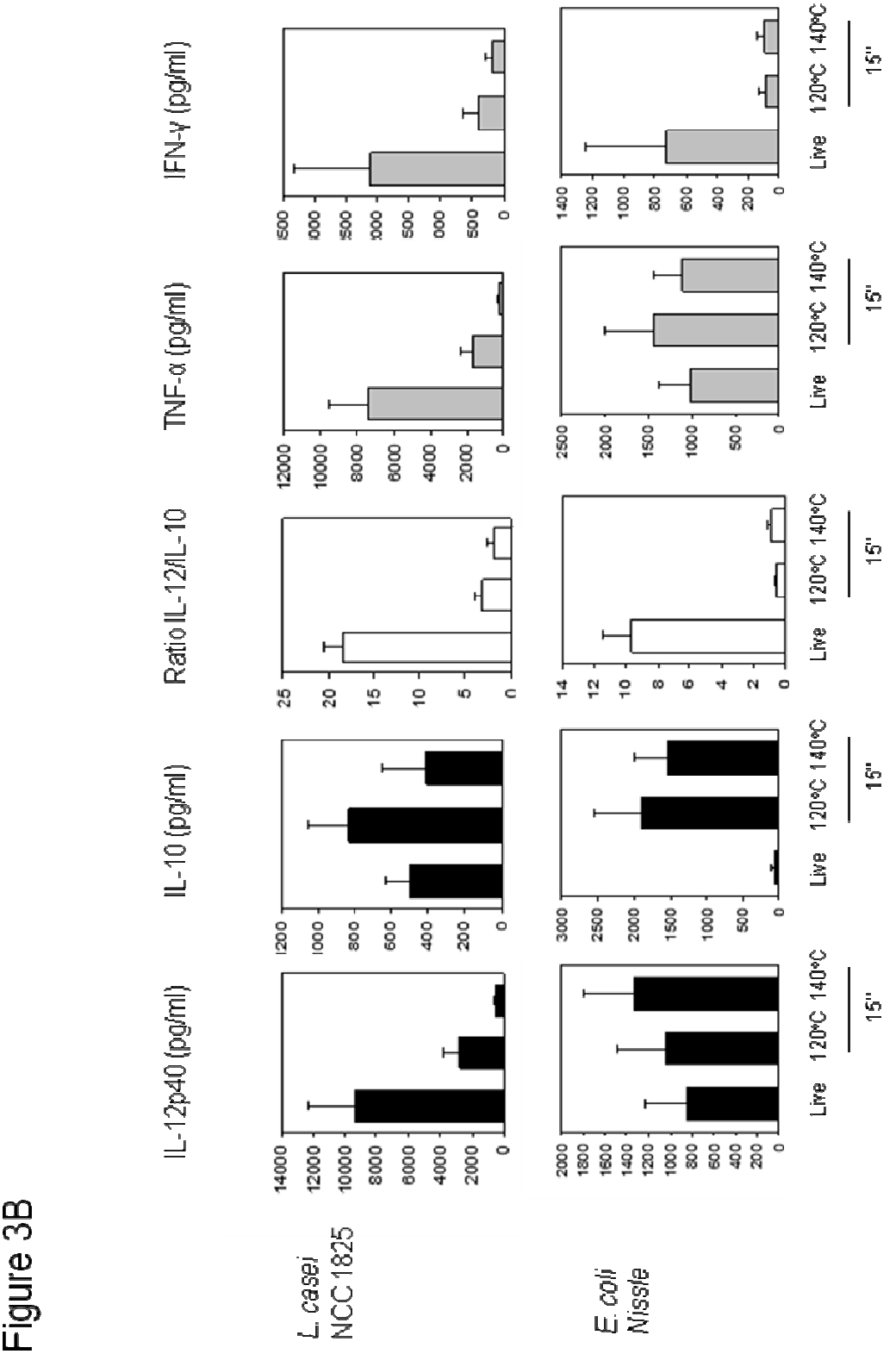

IL-12p40 (pg/ml)
IL-10 (pg/ml)
Ratio IL-12/IL-10
TNF-α (pg/ml)
IFN-γ (pg/ml)
L. casei NCC1825
E. coli Nissle
Live
120°C 140°C
15''

Figure 4A

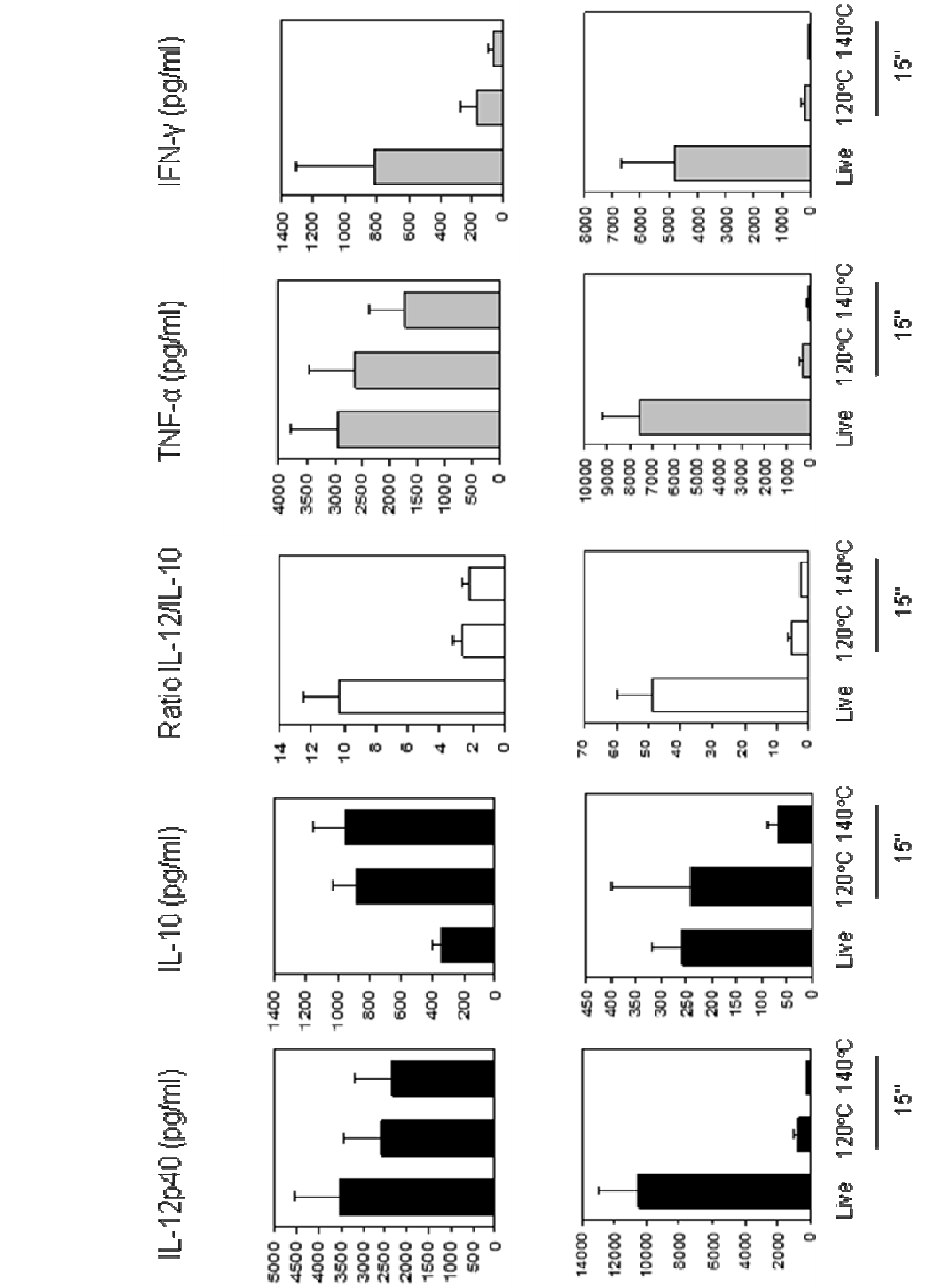

IL-12p40 (pg/ml)
IL-10 (pg/ml)
Ratio IL-12/IL-10
TNF-α (pg/ml)
IFN-γ (pg/ml)
L. bulgaricus NCC 15
Lactococcus lactis NCC 2287
Live
120°C
140°C
15''
15'
15''

Figure 4B

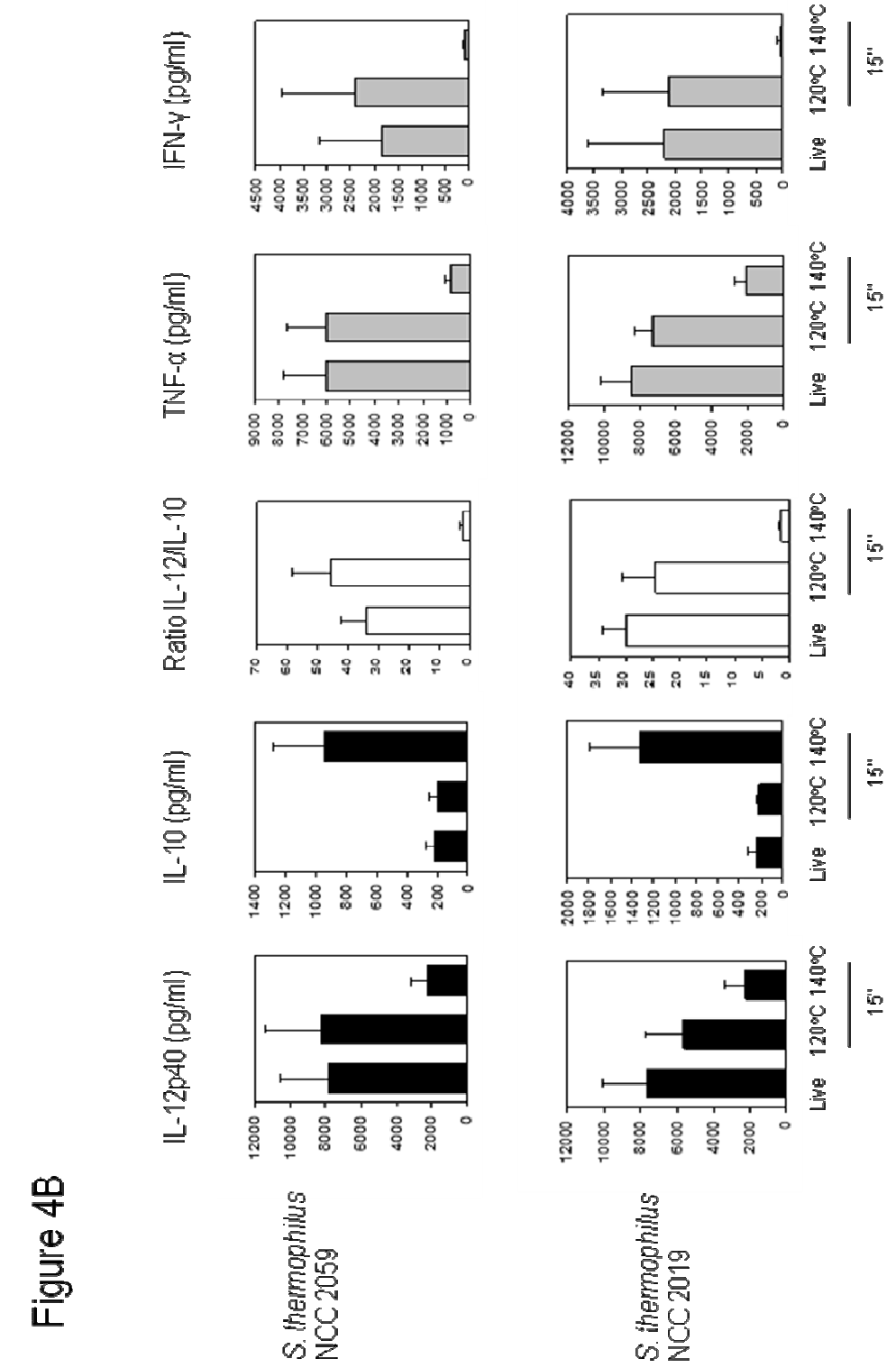
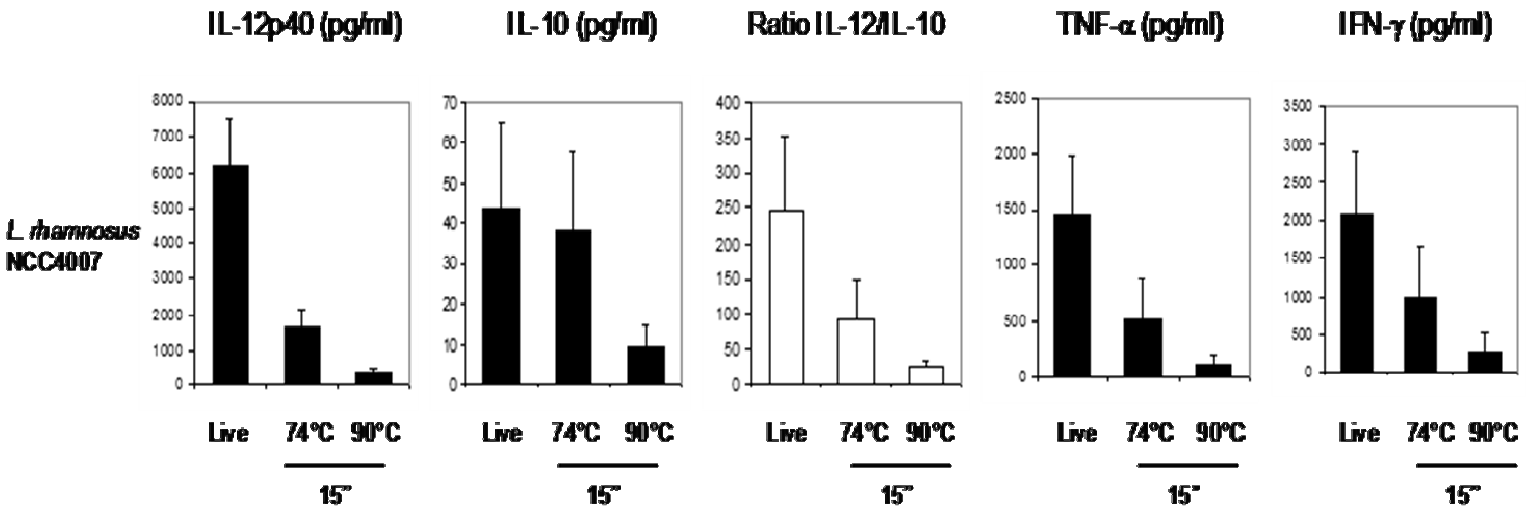

IL-12p40 (pg/ml)
IL-10 (pg/ml)
Ratio IL-12/IL-10
TNF-α (pg/ml)
IFN-γ (pg/ml)
S. thermophilus NCC 2059
S. thermophilus NCC 2019
Live
120°C 140°C
15''

Figure 5


IL-12p40 (pg/ml)
IL-10 (pg/ml)
Ratio IL-12/IL-10
TNF-α (pg/ml)
IFN-γ (pg/ml)
L. rhamnosus NCC4007
Live
74°C
90°C
15'

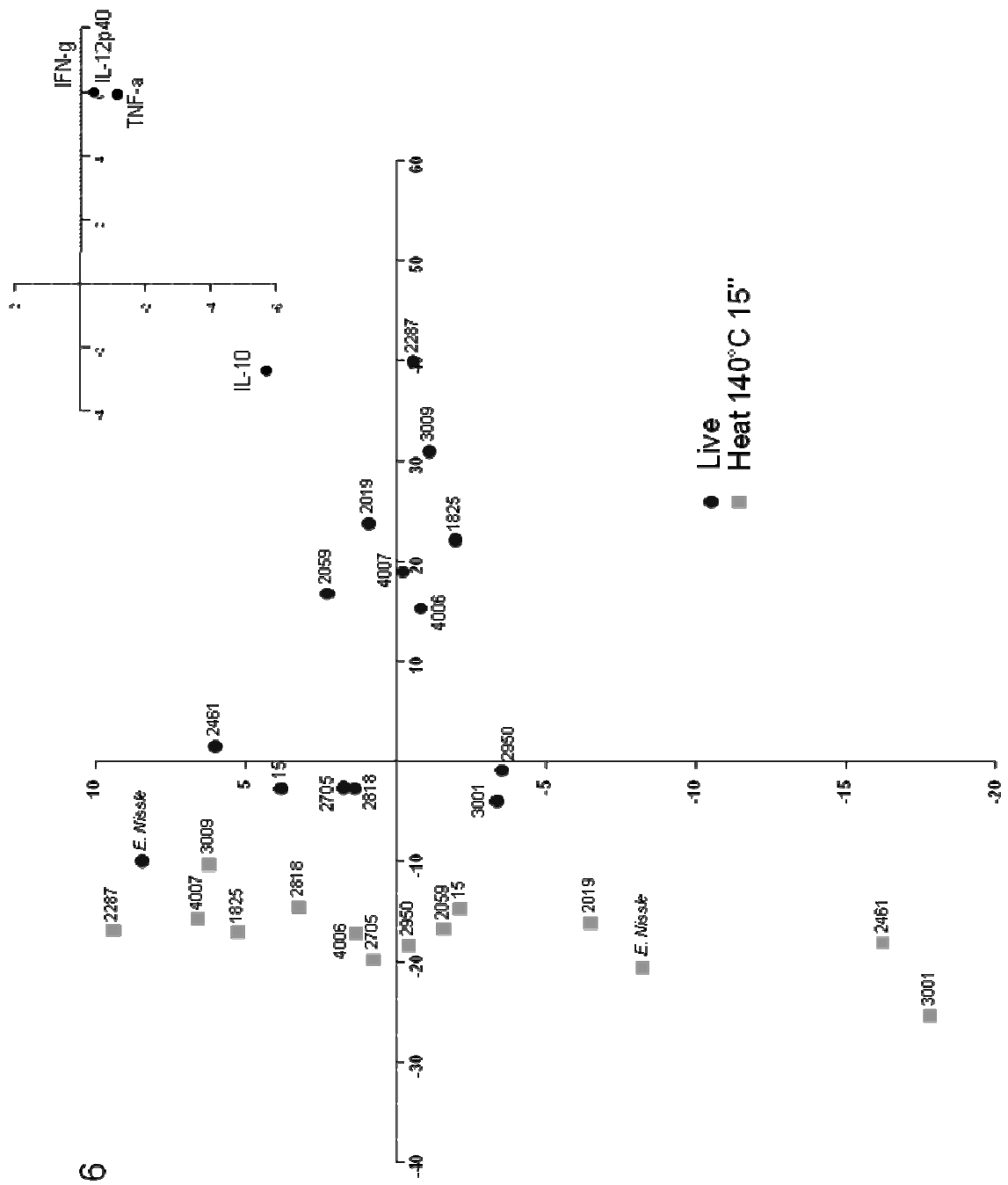

IFN-g
IL-12p40
TNF-a
IL-10
Live
Heat 140°C 15"
E. Nissle
2287
3009
4007
1925
2461
15
2818
2705
4006
2059
2019
1825
2950
3001

Figure 6

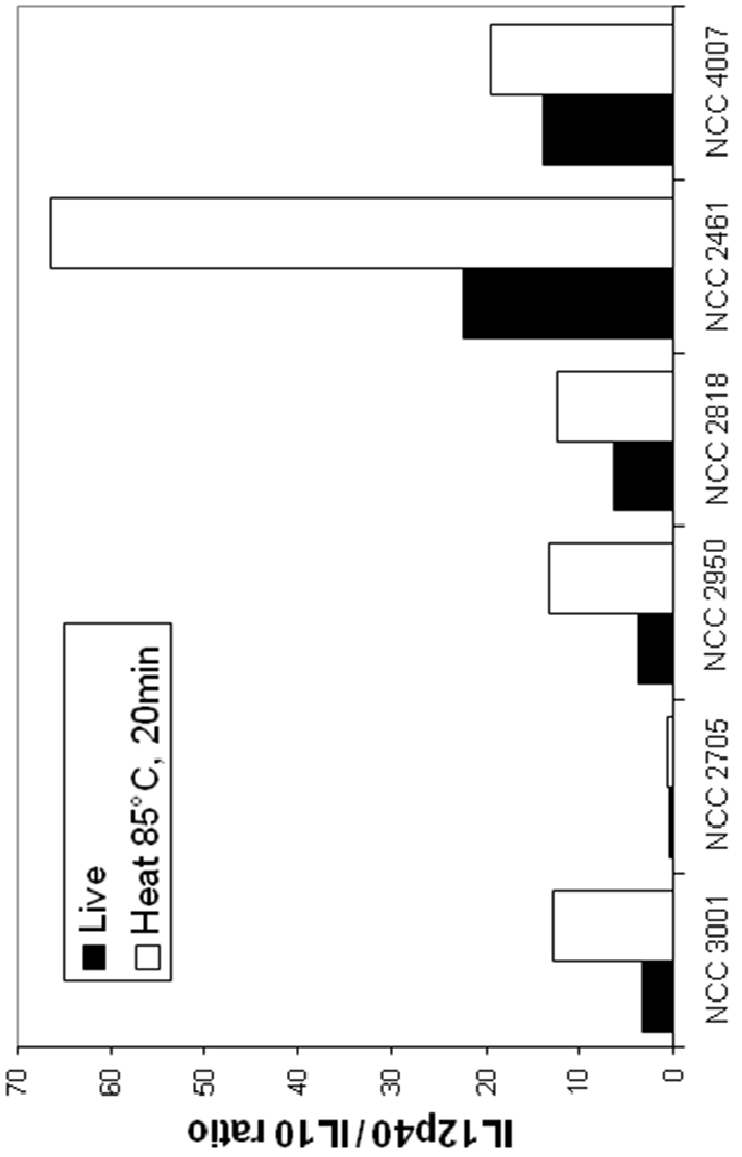

IL12p40/IL10 ratio
70
60
50
40
30
20
10
0
Live
Heat 85°C, 20min
NCC 3001
NCC 2705
NCC 2950
NCC 2818
NCC 2461
NCC 4007

Figure 7

Figure 8:

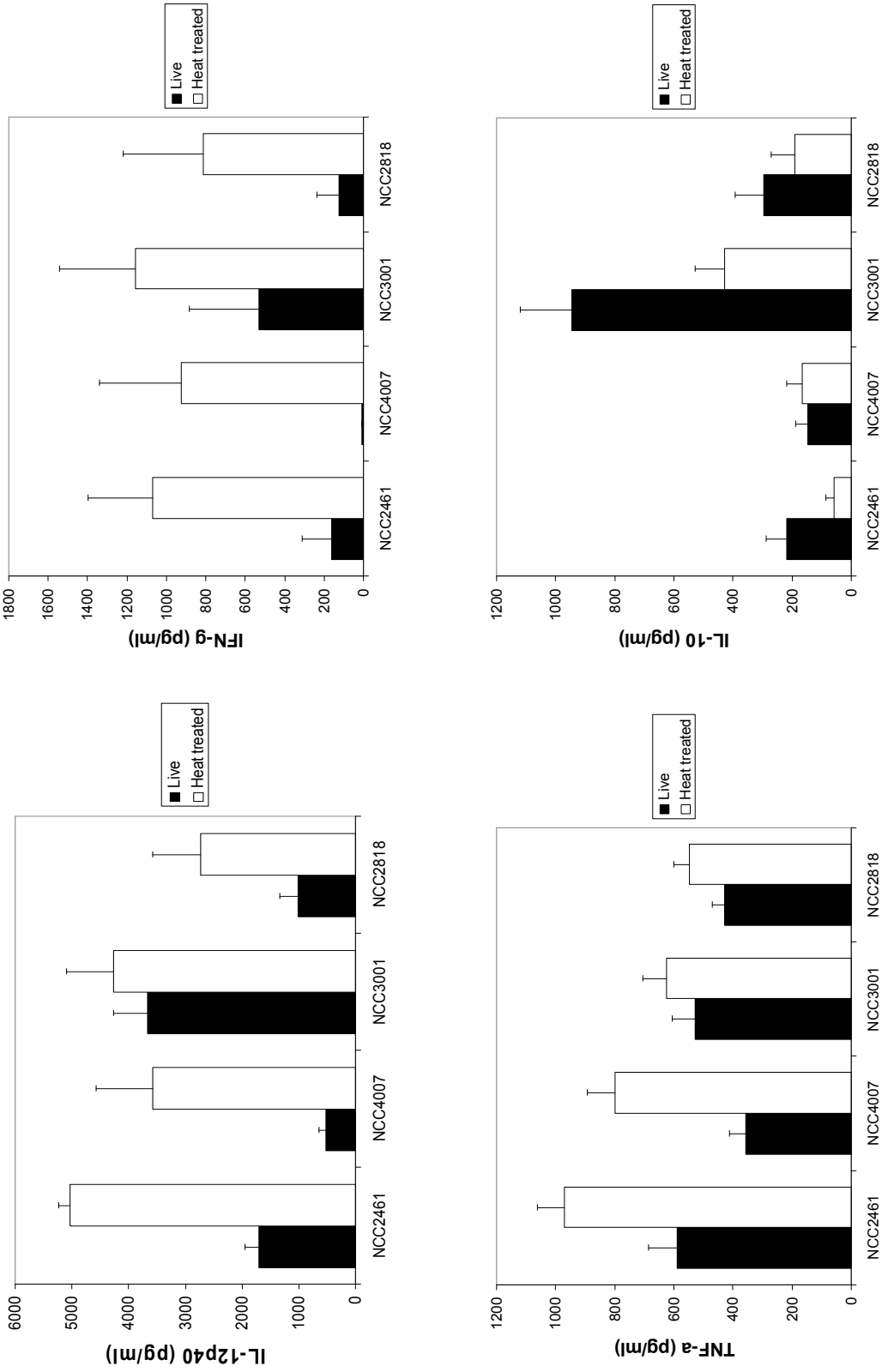

IFN-g (pg/ml)
IL-10 (pg/ml)
IL-12p40 (pg/ml)
TNF-a (pg/ml)
Live
Heat treated
NCC2461
NCC4007
NCC3001
NCC2818

Figure 9:

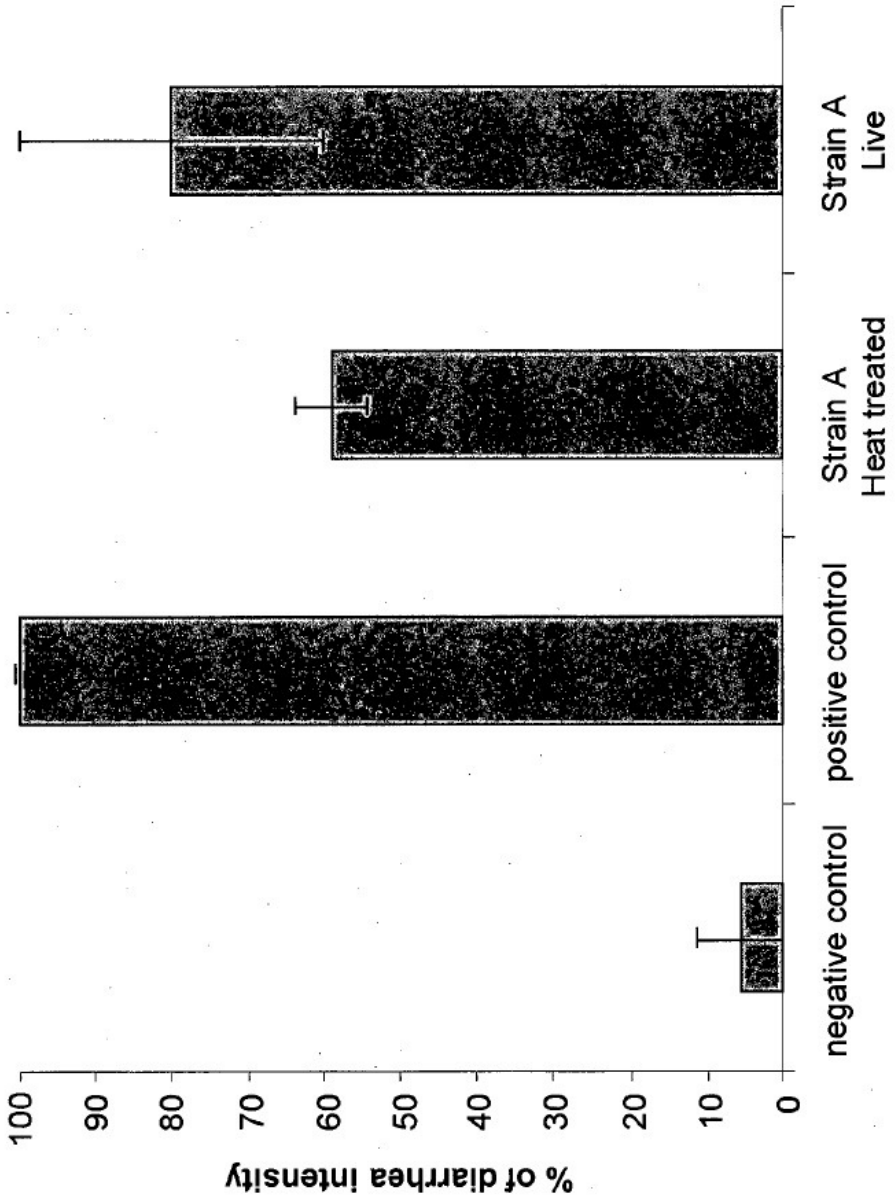

% of diarrhea intensity
100
90
80
70
60
50
40
30
20
10
0
negative control
positive control
Strain A
Heat treated
Strain A
Live

Figure 10:

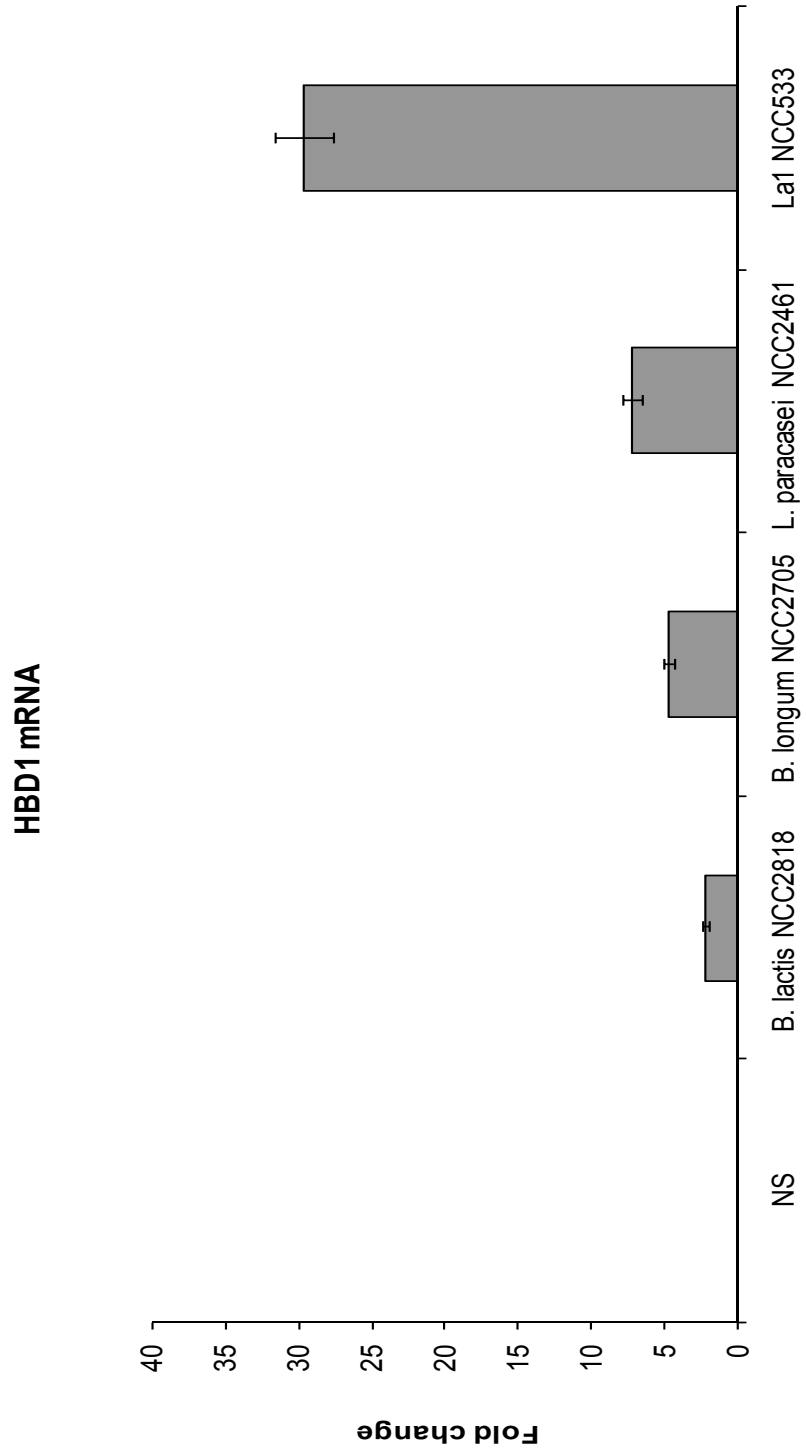

HBD1 mRNA
Fold change
40
35
30
25
20
15
10
5
0
NS
B. lactis NCC2818
B. longum NCC2705
L. paracasei NCC2461
La1 NCC533

Figure 11:

