Figure 1A

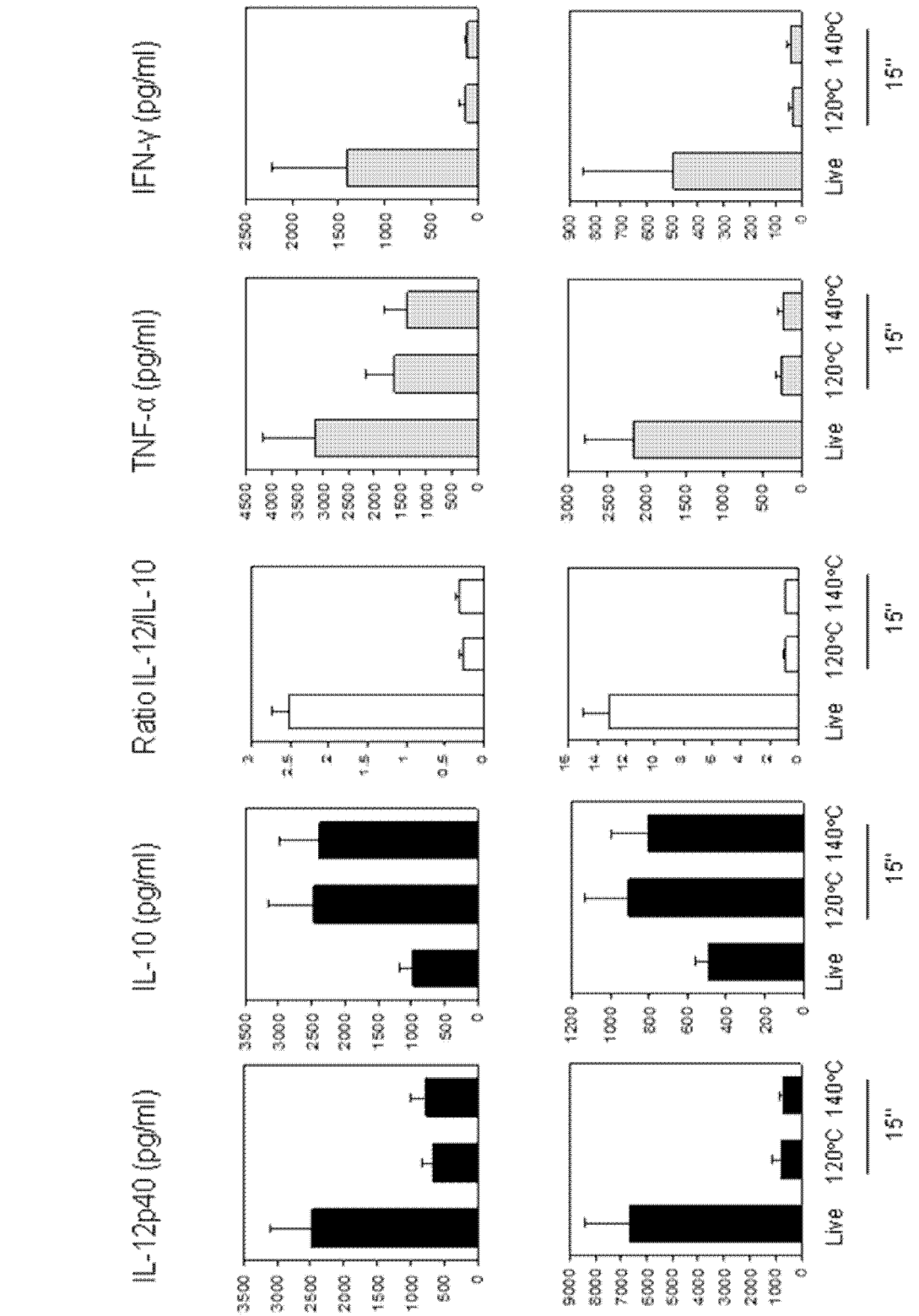

IL-12p40 (pg/ml)
IL-10 (pg/ml)
Ratio IL-12/IL-10
TNF-α (pg/ml)
IFN-γ (pg/ml)
B. longum NCC 3001
B. longum NCC 2705
Live
120°C 15''
140°C 15''

Figure 1B

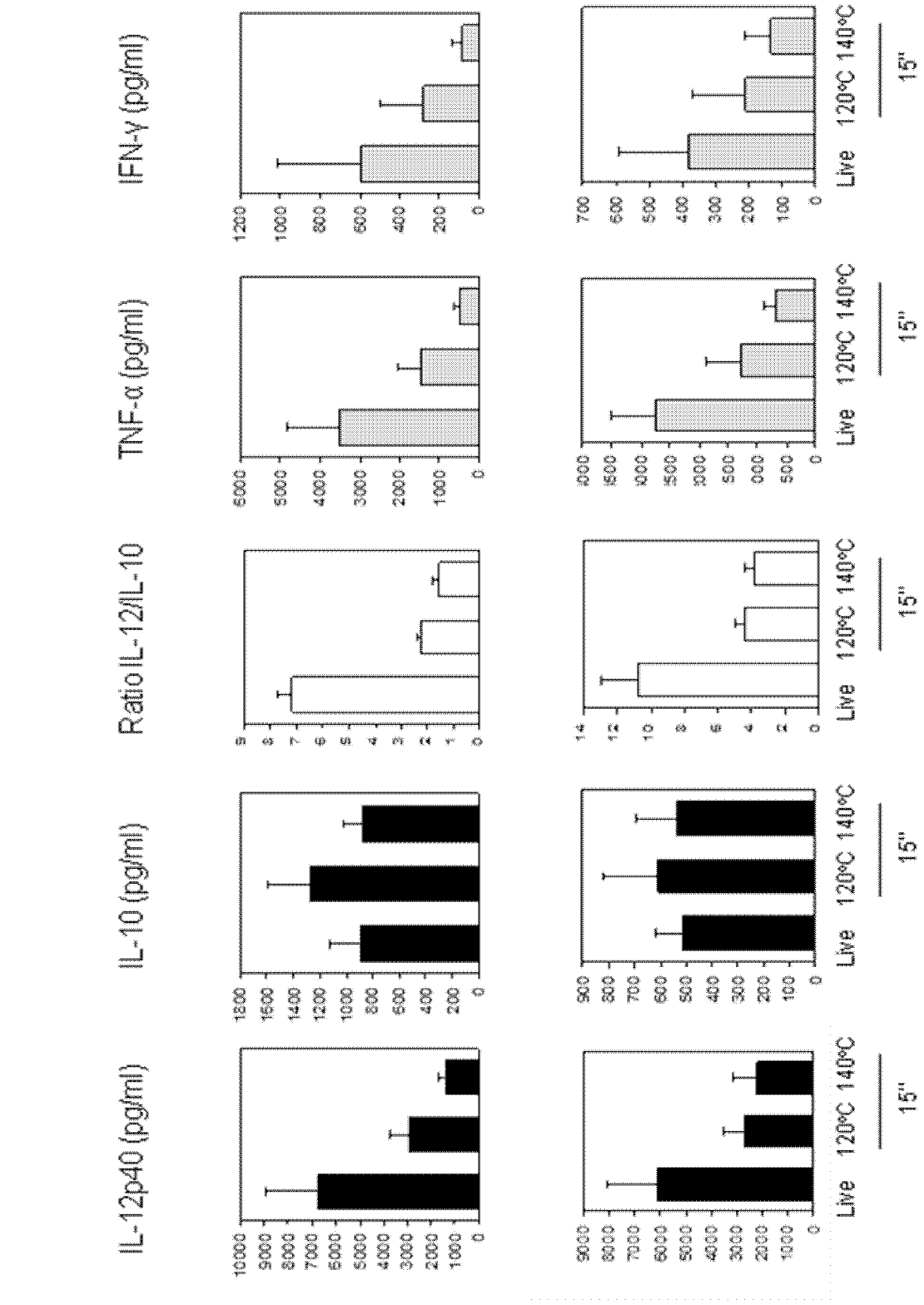

IL-12p40 (pg/ml)
IL-10 (pg/ml)
Ratio IL-12/IL-10
TNF-α (pg/ml)
IFN-γ (pg/ml)
B. breve NCC 2950
B. lactis NCC 2818
Live
120°C
140°C
15''

Figure 2

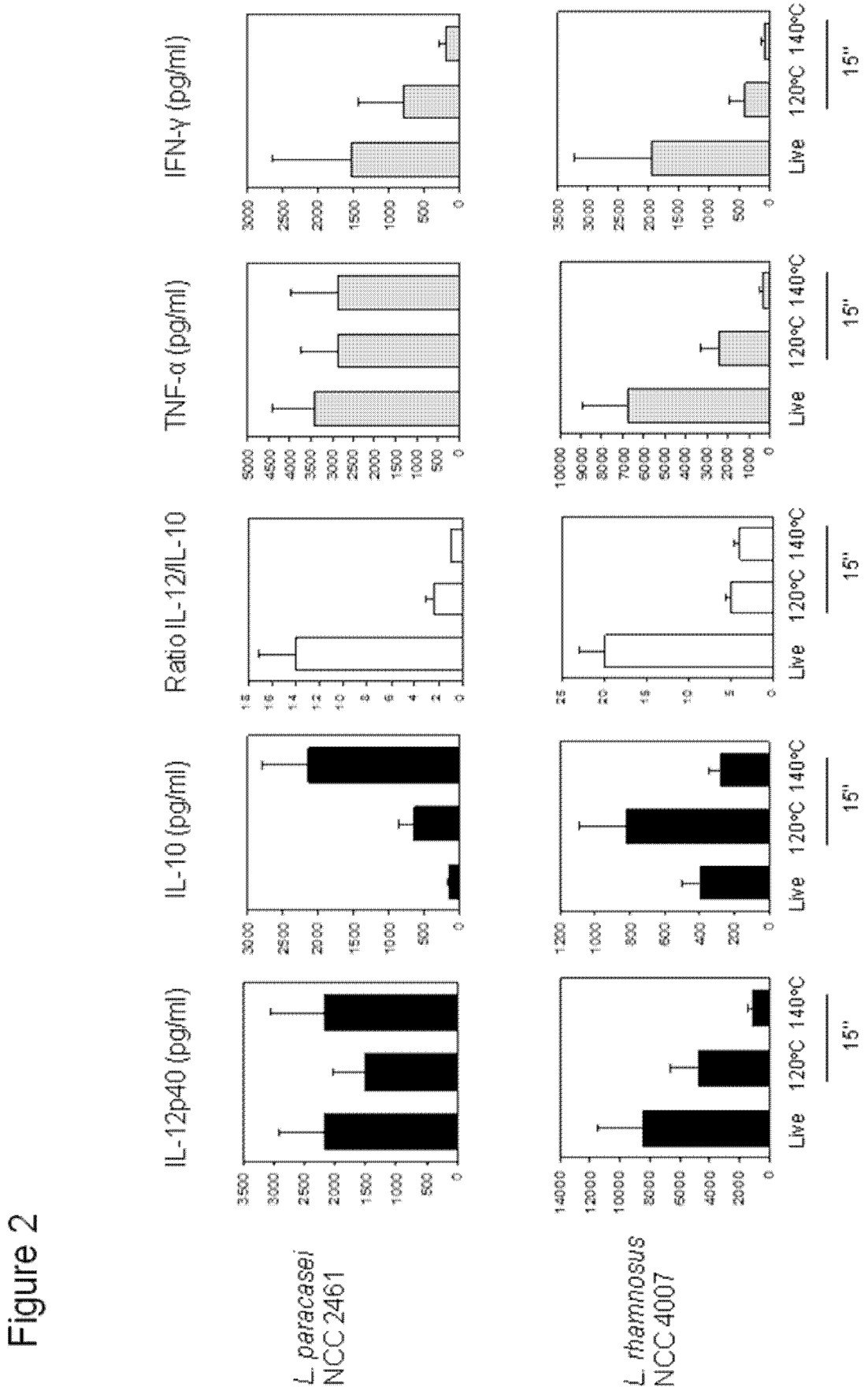

IL-12p40 (pg/ml)
IL-10 (pg/ml)
Ratio IL-12/IL-10
TNF-α (pg/ml)
IFN-γ (pg/ml)
L. paracasei NCC 2461
L. rhamnosus NCC 4007
Live
120°C
140°C
15''

Figure 3A

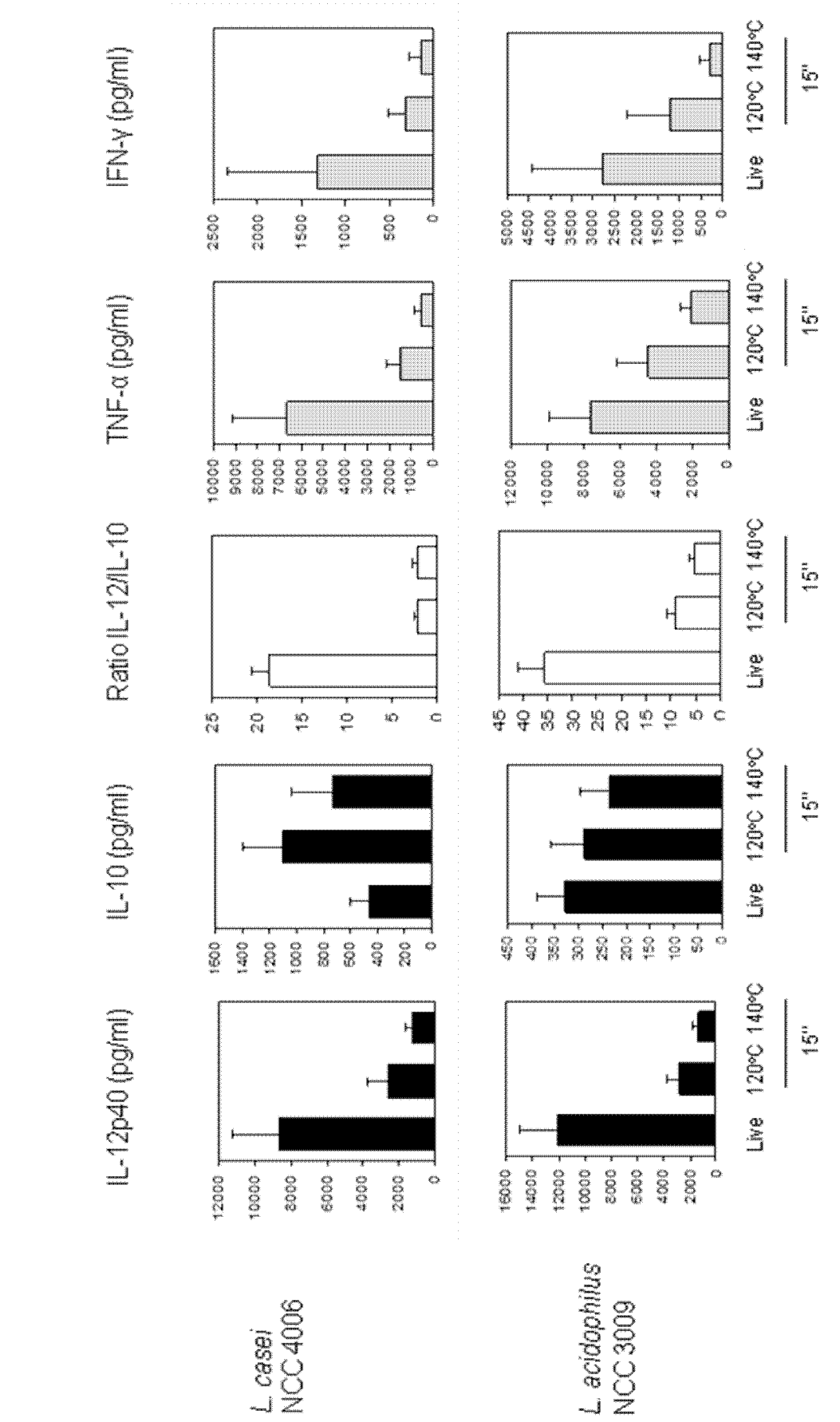

IL-12p40 (pg/ml)
IL-10 (pg/ml)
Ratio IL-12/IL-10
TNF-α (pg/ml)
IFN-γ (pg/ml)
L. casei NCC 4006
L. acidophilus NCC 3009
Live
120°C
140°C
15''

Figure 3B

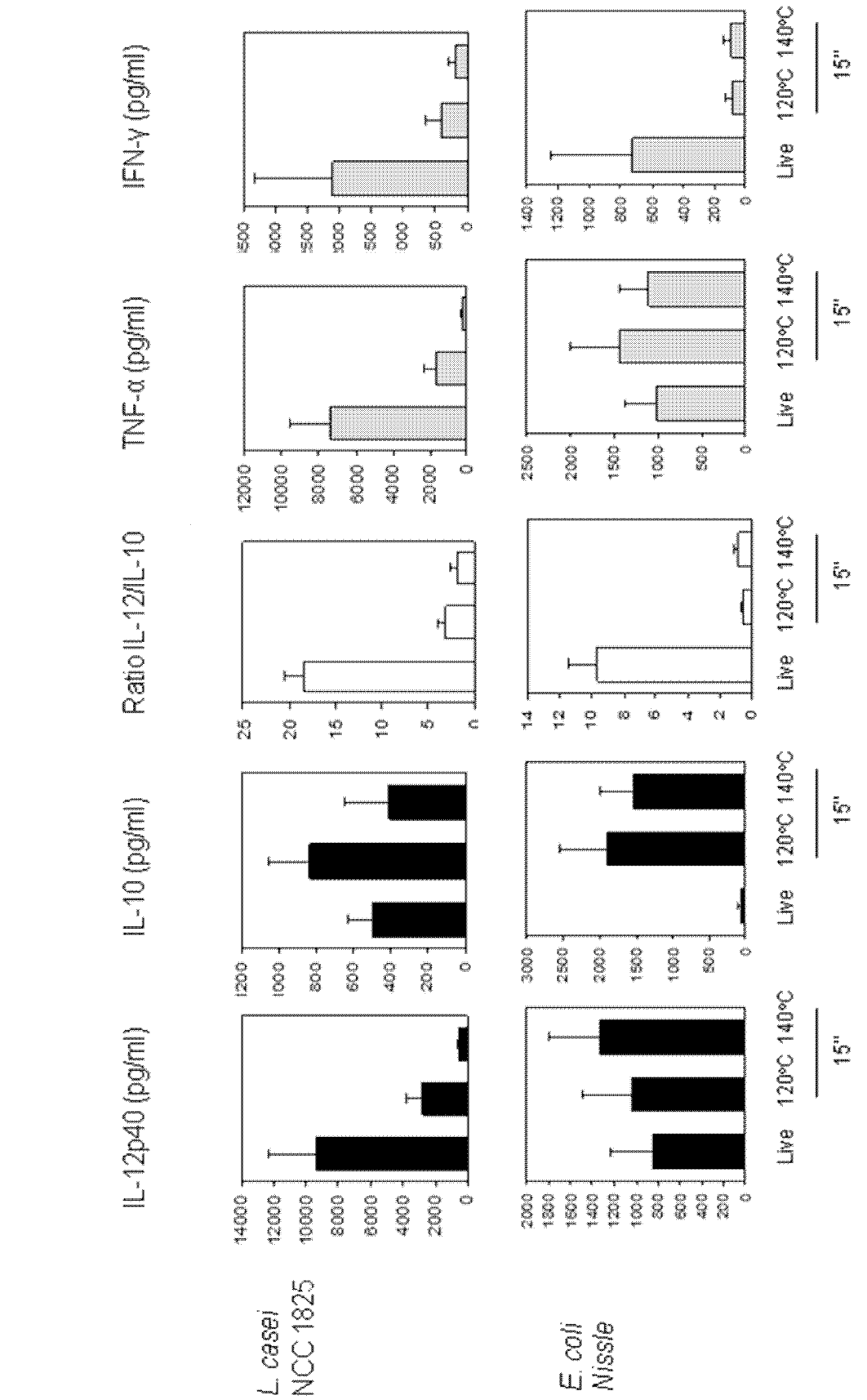

IL-12p40 (pg/ml)
IL-10 (pg/ml)
Ratio IL-12/IL-10
TNF-α (pg/ml)
IFN-γ (pg/ml)
L. casei NCC 1825
E. coli Nissle
Live
120°C 140°C
15''
15'

Figure 4A

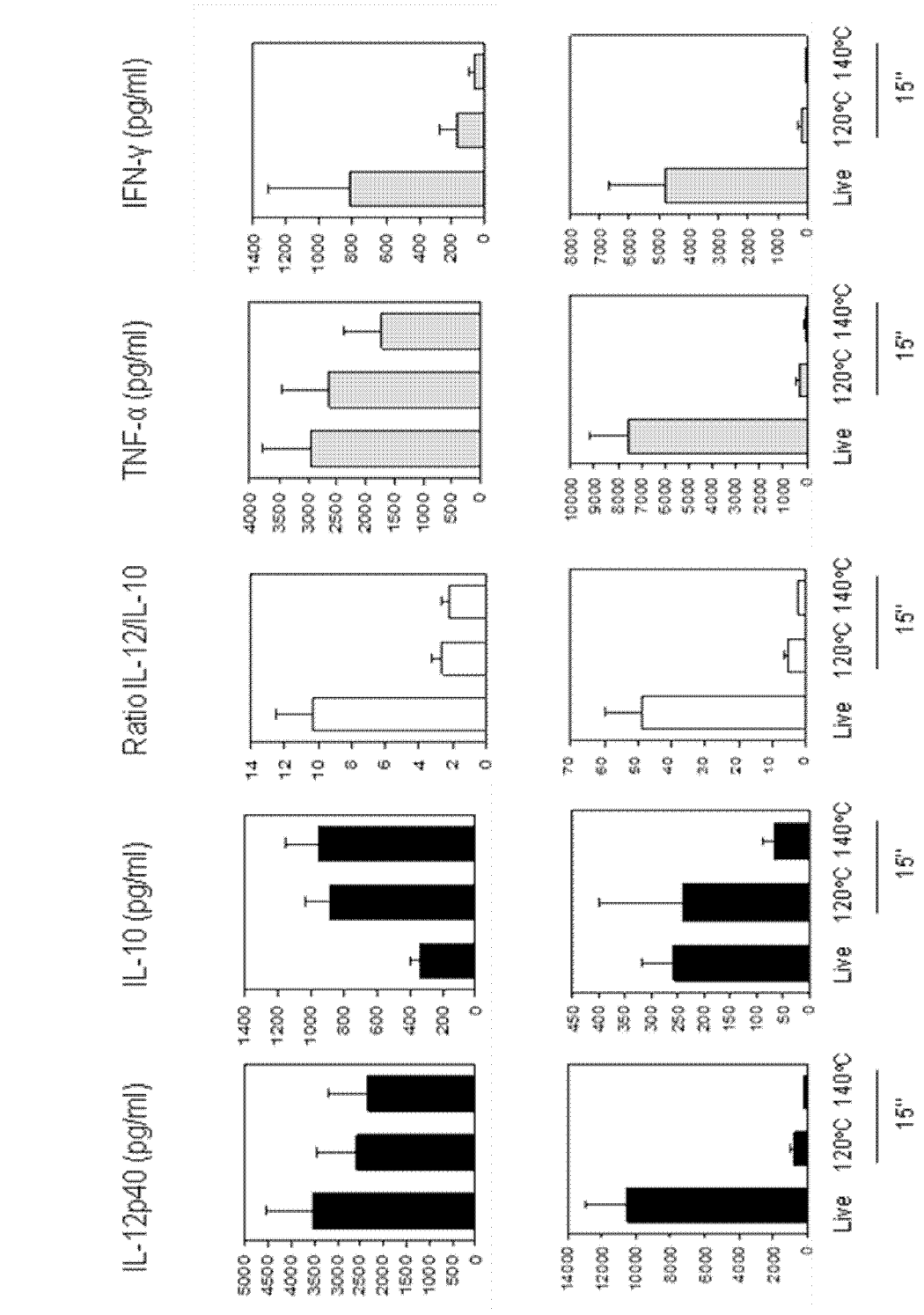

IL-12p40 (pg/ml)
IL-10 (pg/ml)
Ratio IL-12/IL-10
TNF-α (pg/ml)
IFN-γ (pg/ml)
L. bulgaricus NCC 15
Lactococcus lactis NCC 2287
Live
120°C
140°C
15'

Figure 4B

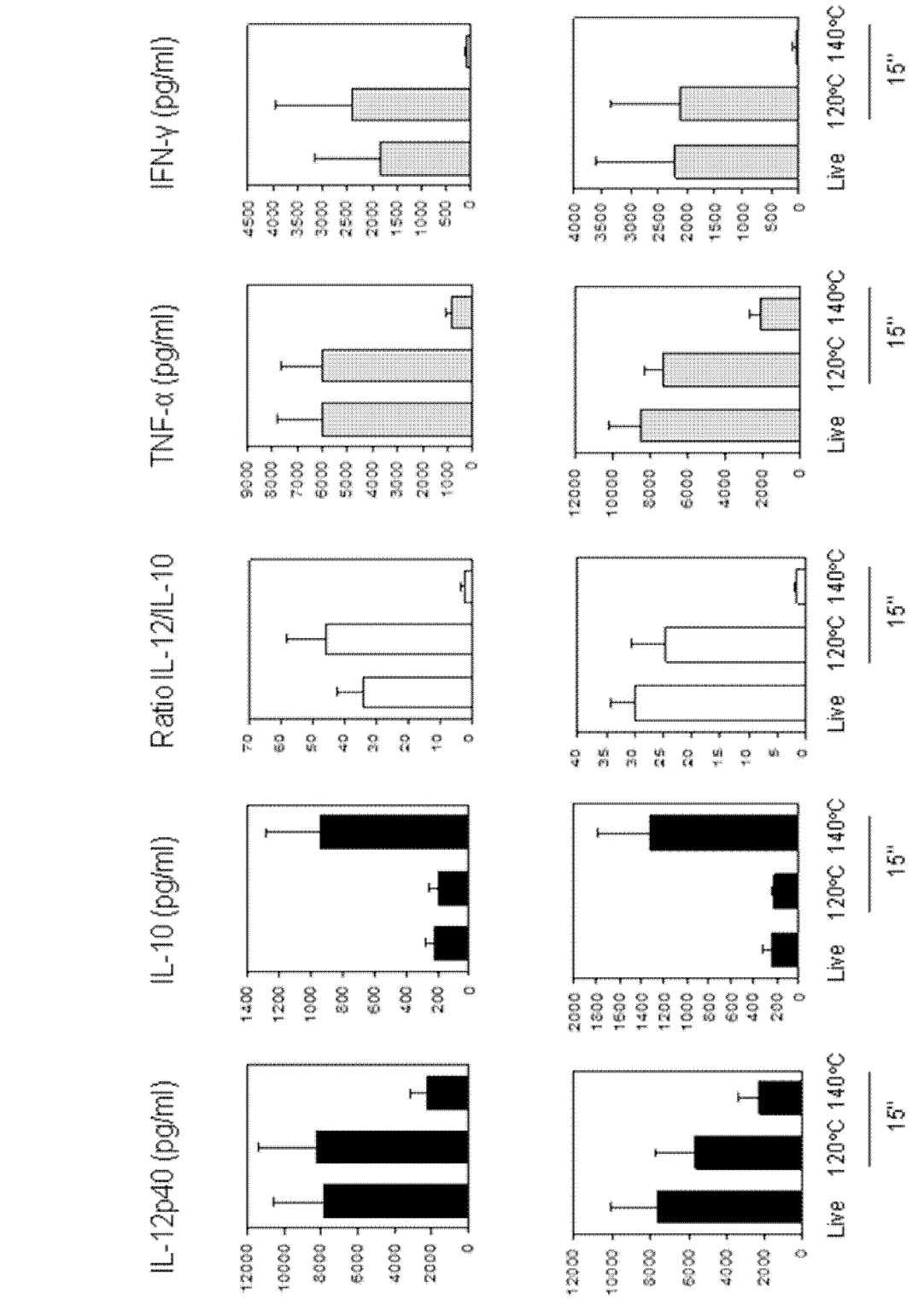
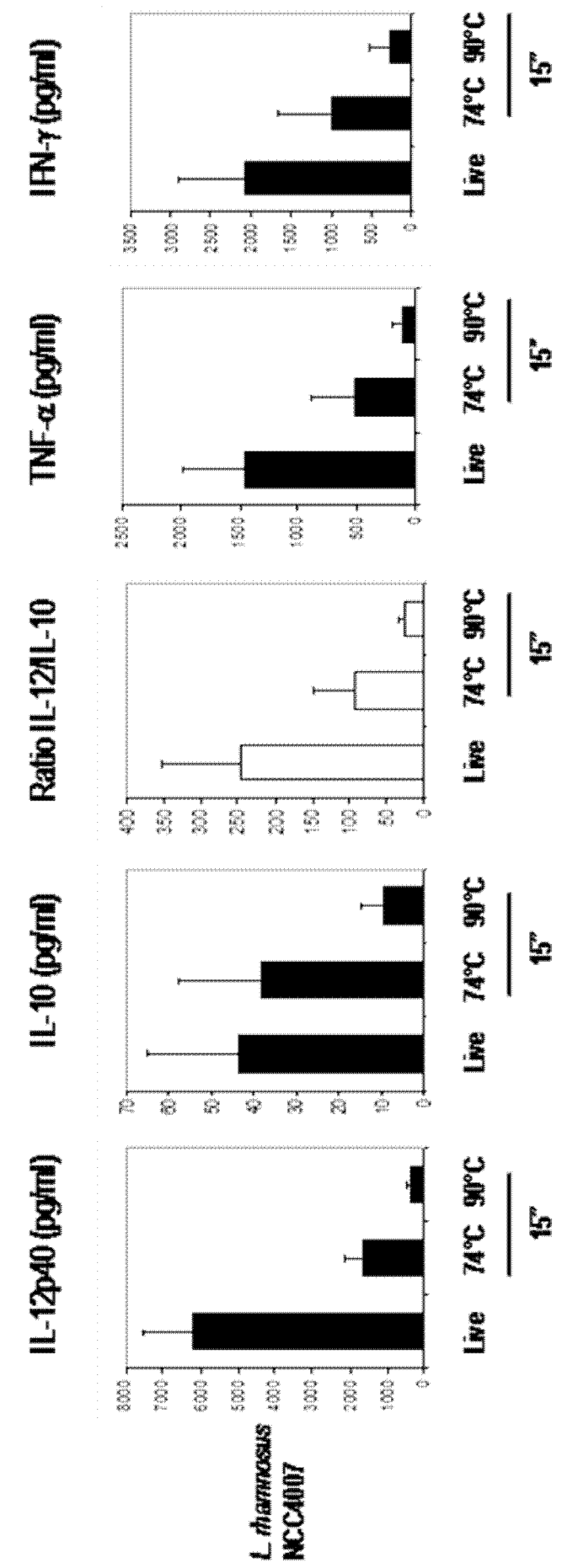

IL-12p40 (pg/ml)
IL-10 (pg/ml)
Ratio IL-12/IL-10
TNF-α (pg/ml)
IFN-γ (pg/ml)
S. thermophilus NCC 2059
S. thermophilus NCC 2019
Live
120°C 15''
140°C 15''

Figure 5


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

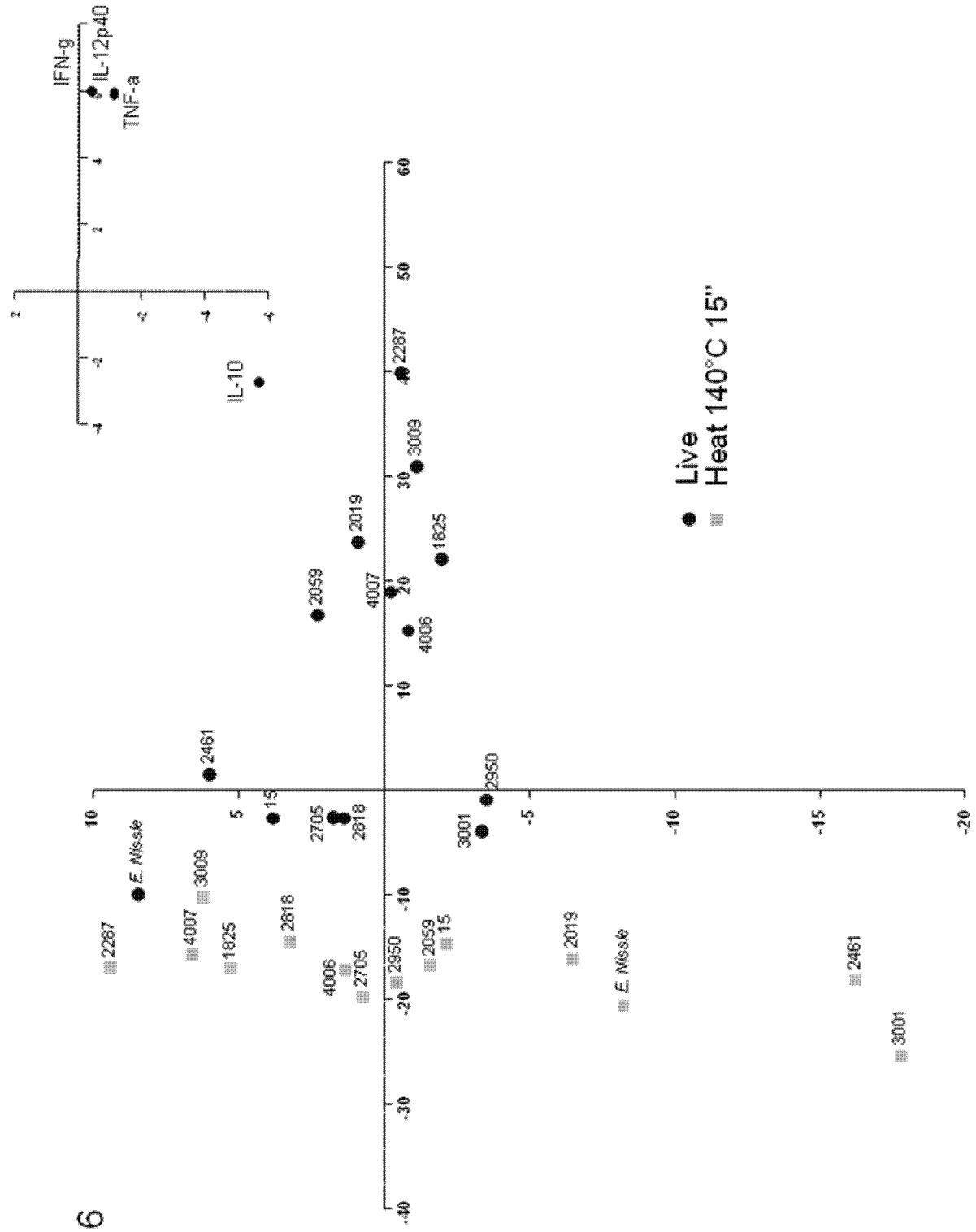

IFN-g
IL-12p40
TNF-a
IL-10
Live
Heat 140°C 15"
E. Nissle
2287
3009
4007
1825
2818
4006
2705
2059
15
2019
2461
2950
3001

Figure 6

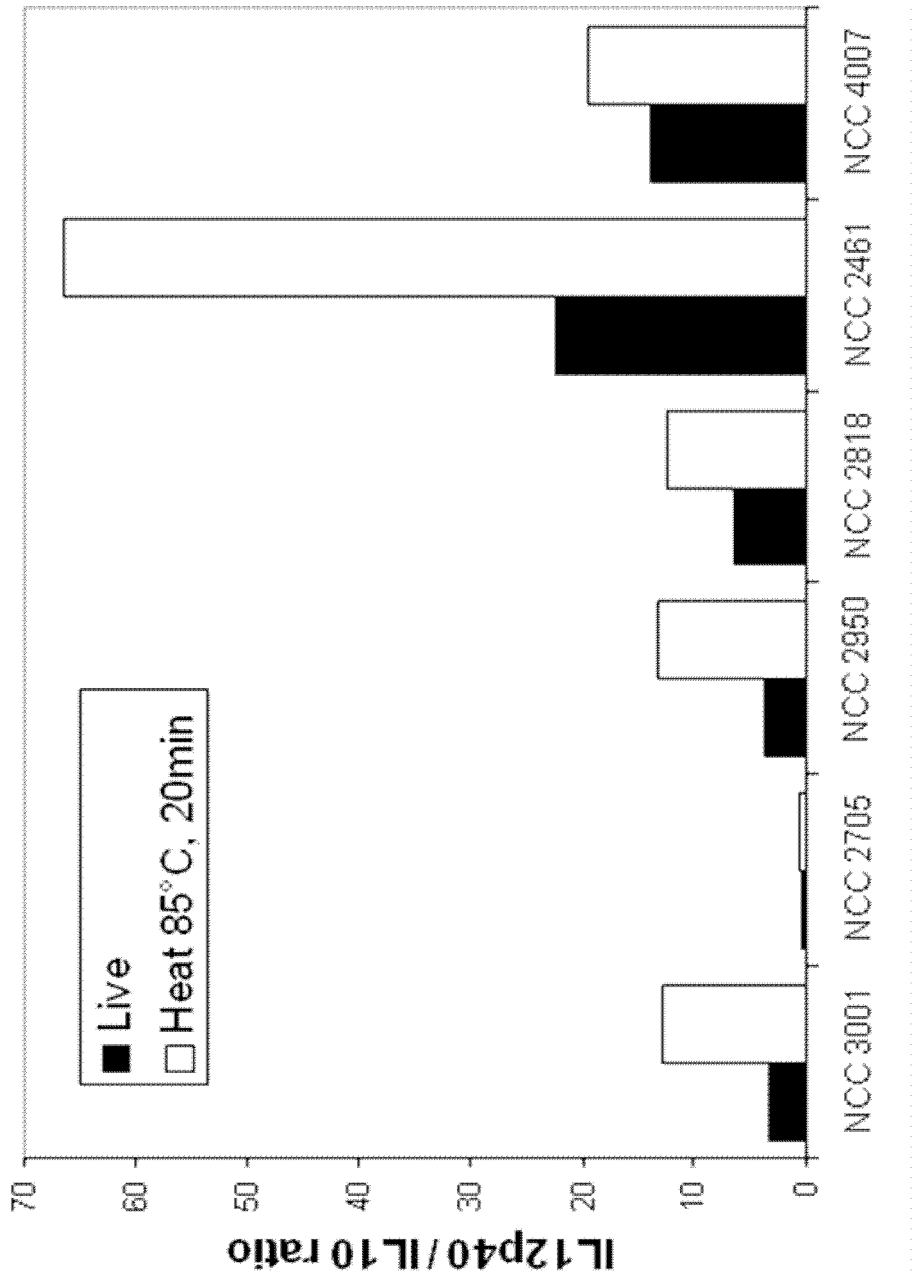

IL12p40 / IL10 ratio
70
60
50
40
30
20
10
0
Live
Heat 85°C, 20min
NCC 3001
NCC 2705
NCC 2950
NCC 2818
NCC 2461
NCC 4007

Figure 7

Figure 8:

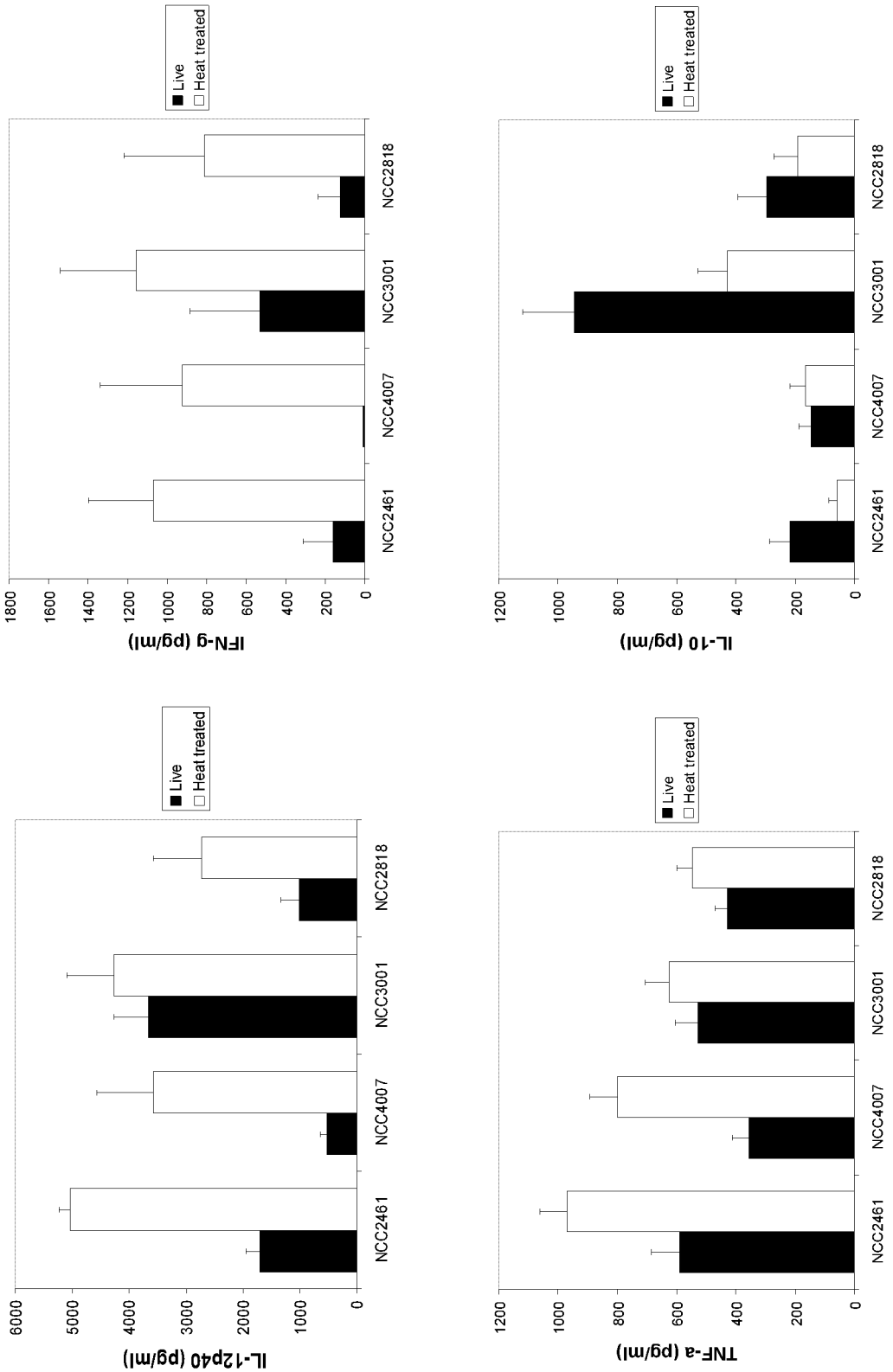

IFN-g (pg/ml)
IL-10 (pg/ml)
IL-12p40 (pg/ml)
TNF-a (pg/ml)
Live
Heat treated
NCC2461
NCC4007
NCC3001
NCC2818

Figure 9:

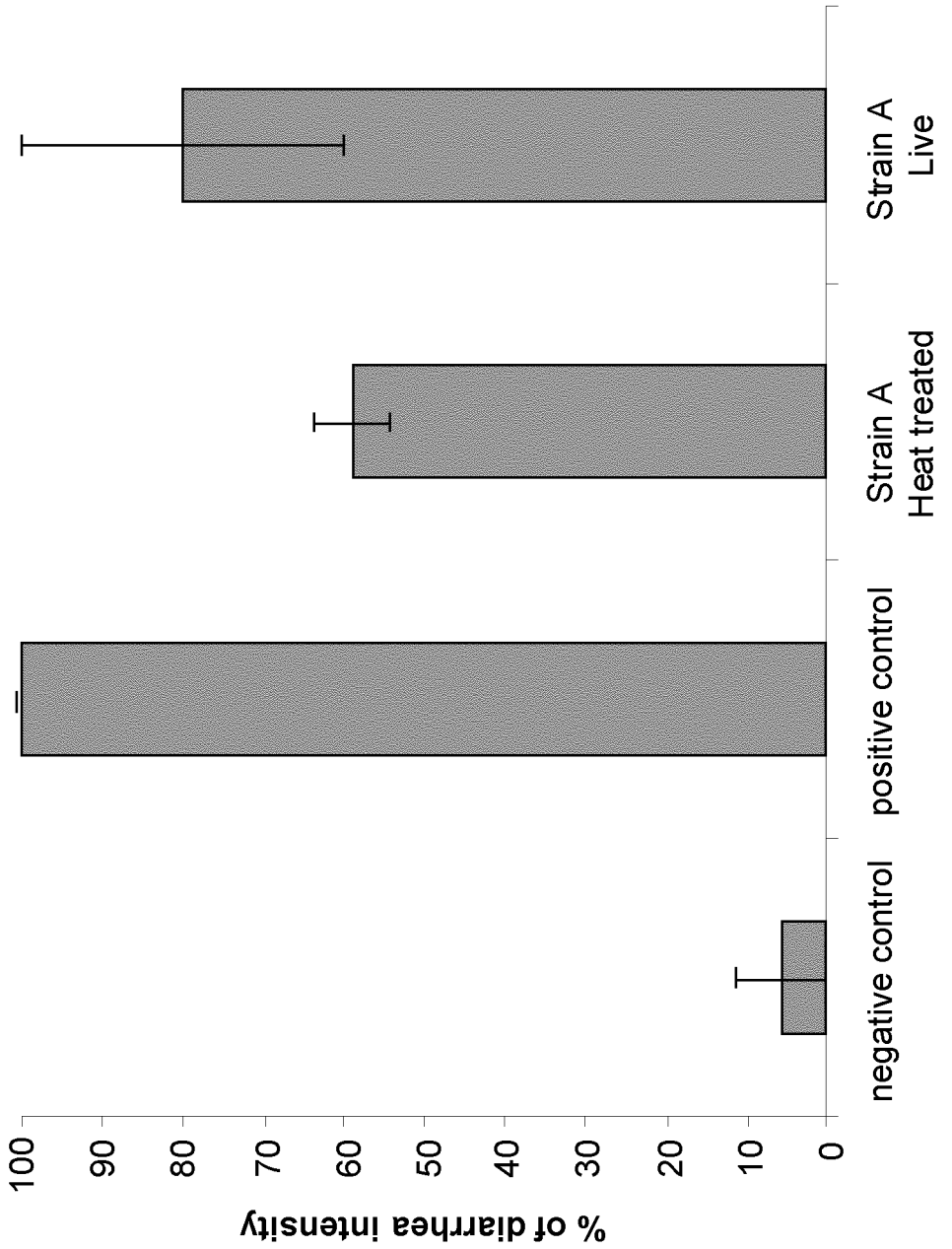

% of diarrhea intensity
0
10
20
30
40
50
60
70
80
90
100
negative control
positive control
Strain A Heat treated
Strain A Live

Figure 10:

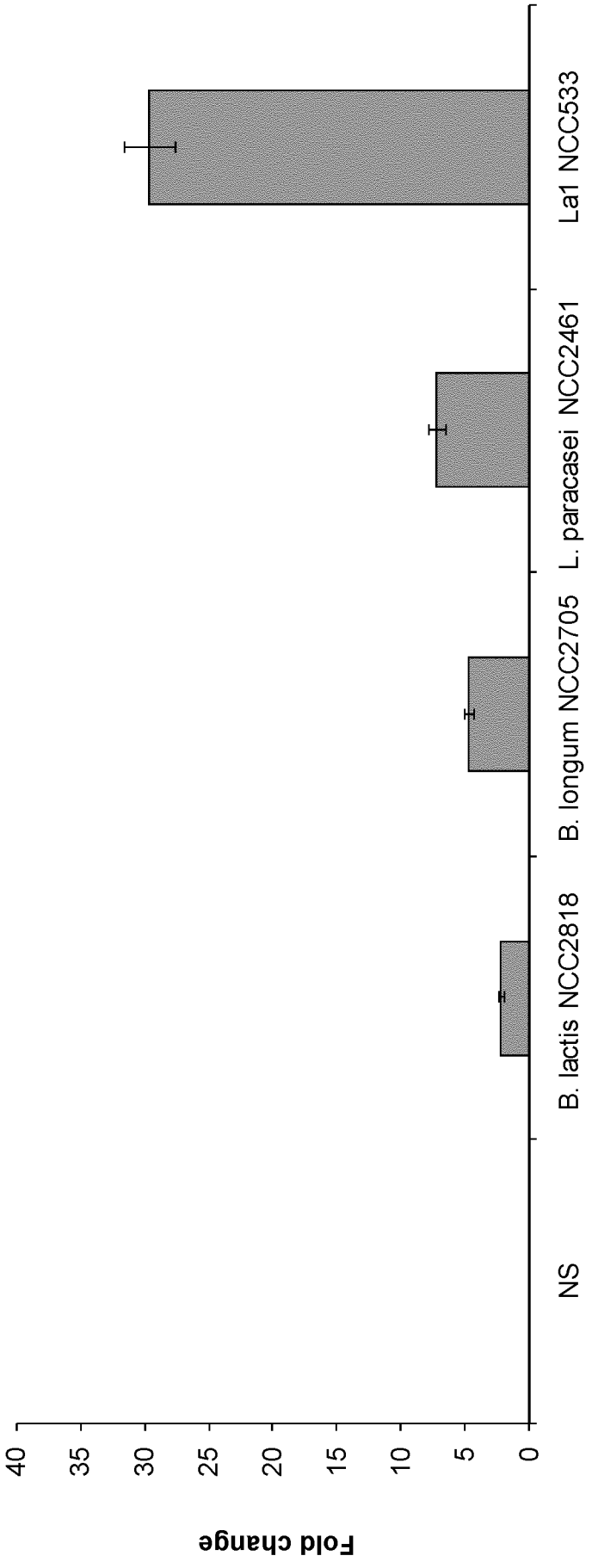

HBD1 mRNA
Fold change
0
5
10
15
20
25
30
35
40
NS
B. lactis NCC2818
B. longum NCC2705
L. paracasei NCC2461
La1 NCC533

Figure 11:

