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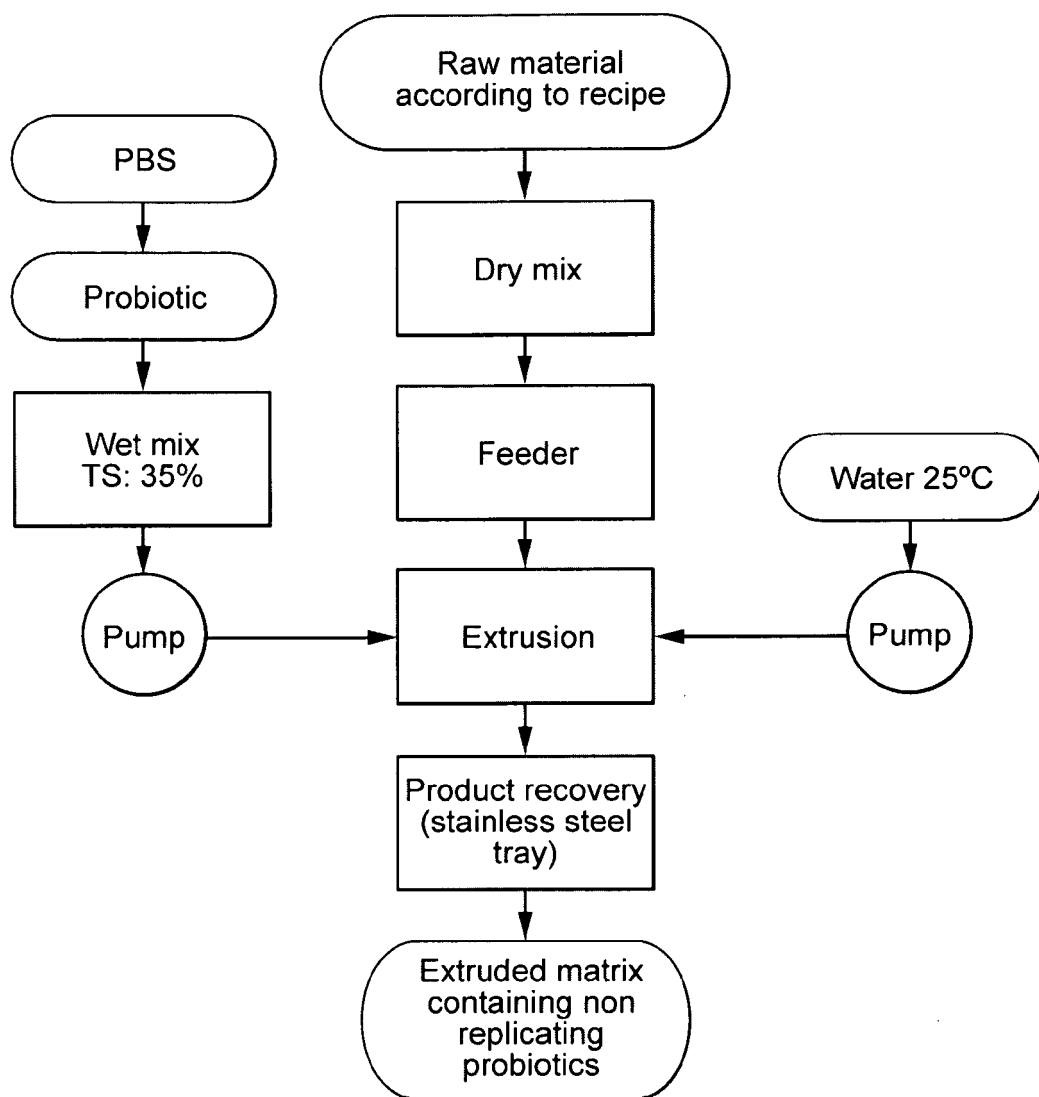


FIG. 1

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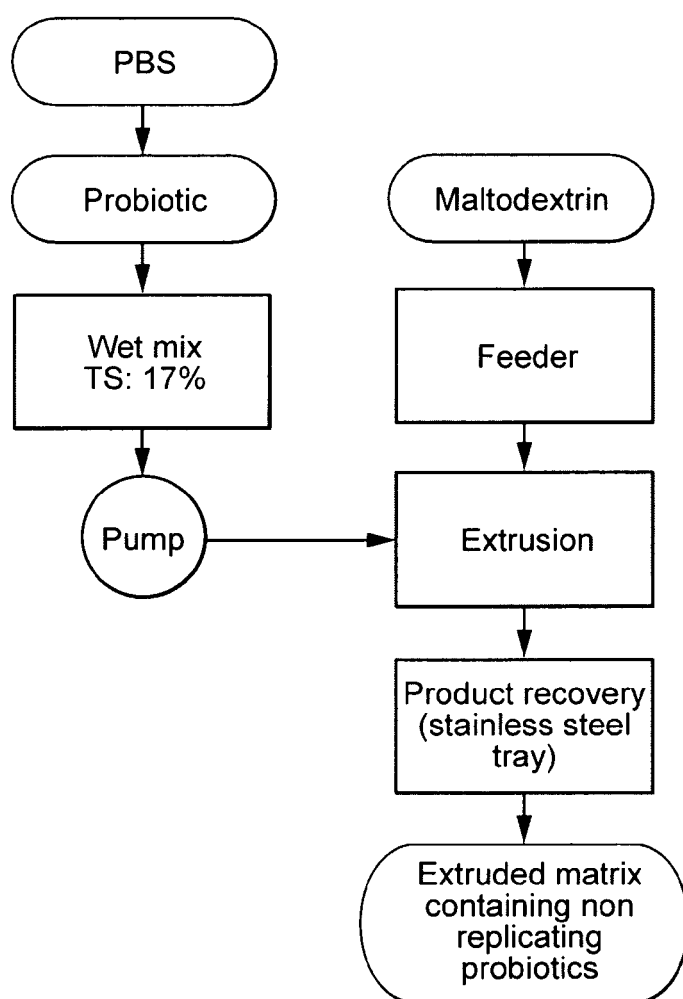


FIG. 2

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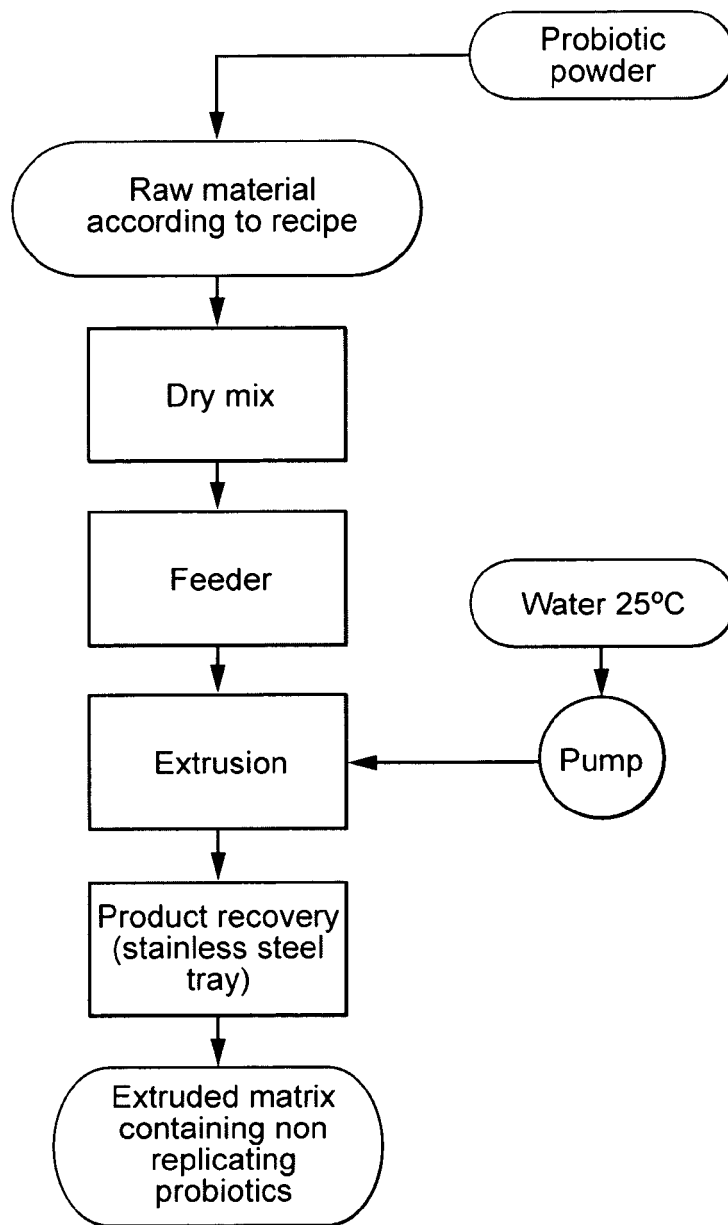


FIG. 3

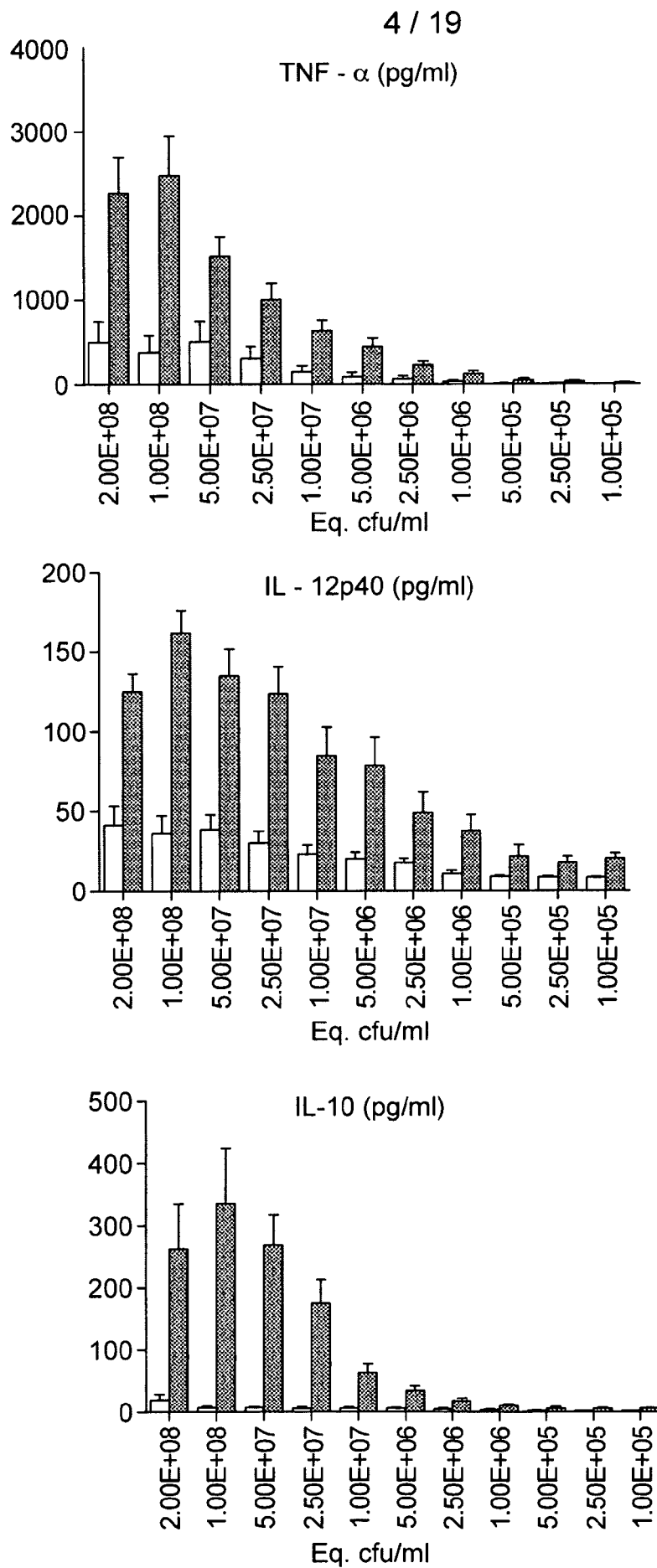


FIG. 4

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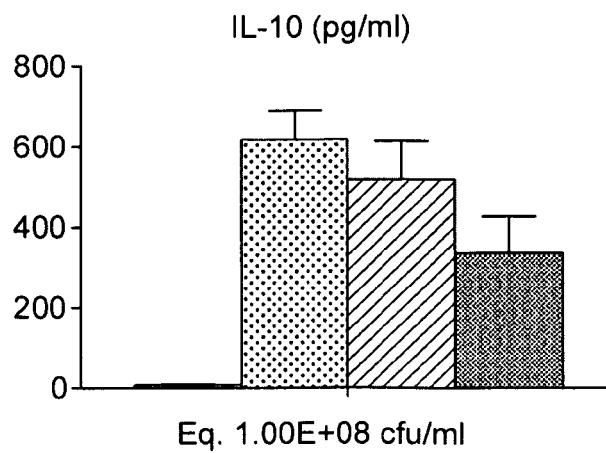
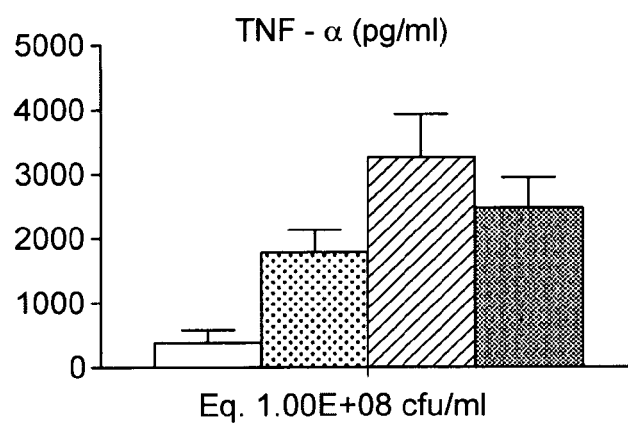
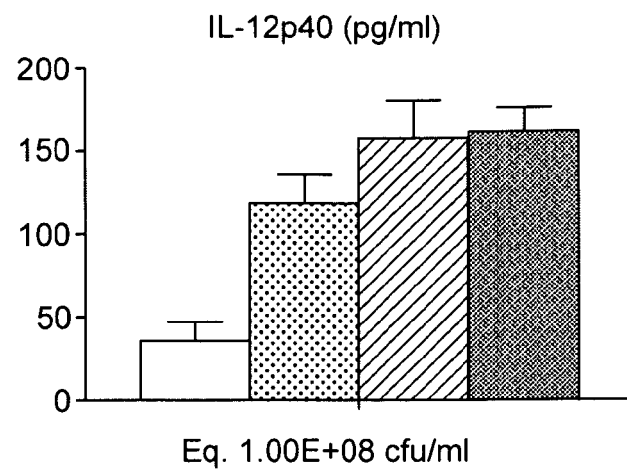


FIG. 5

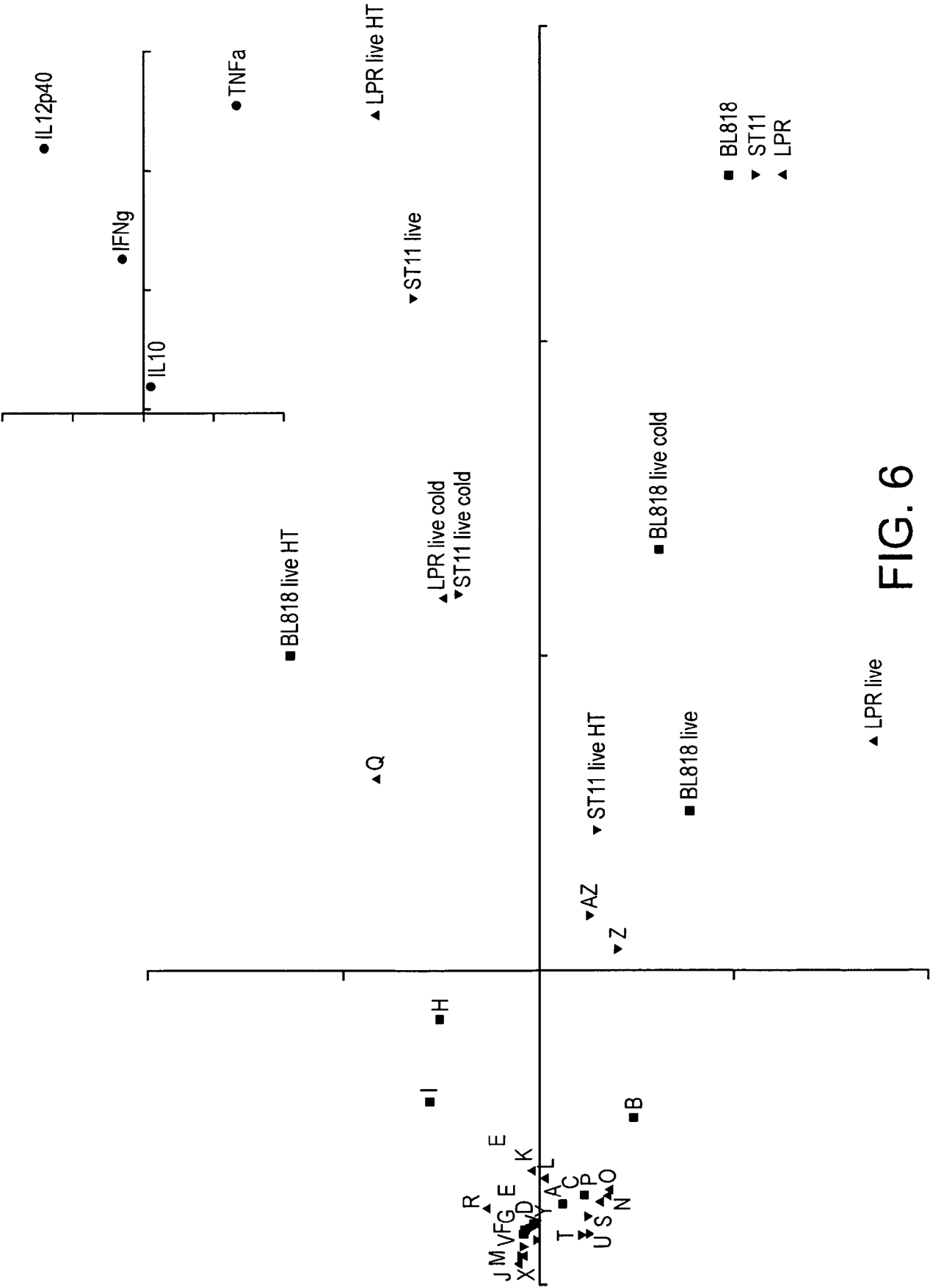


FIG. 6

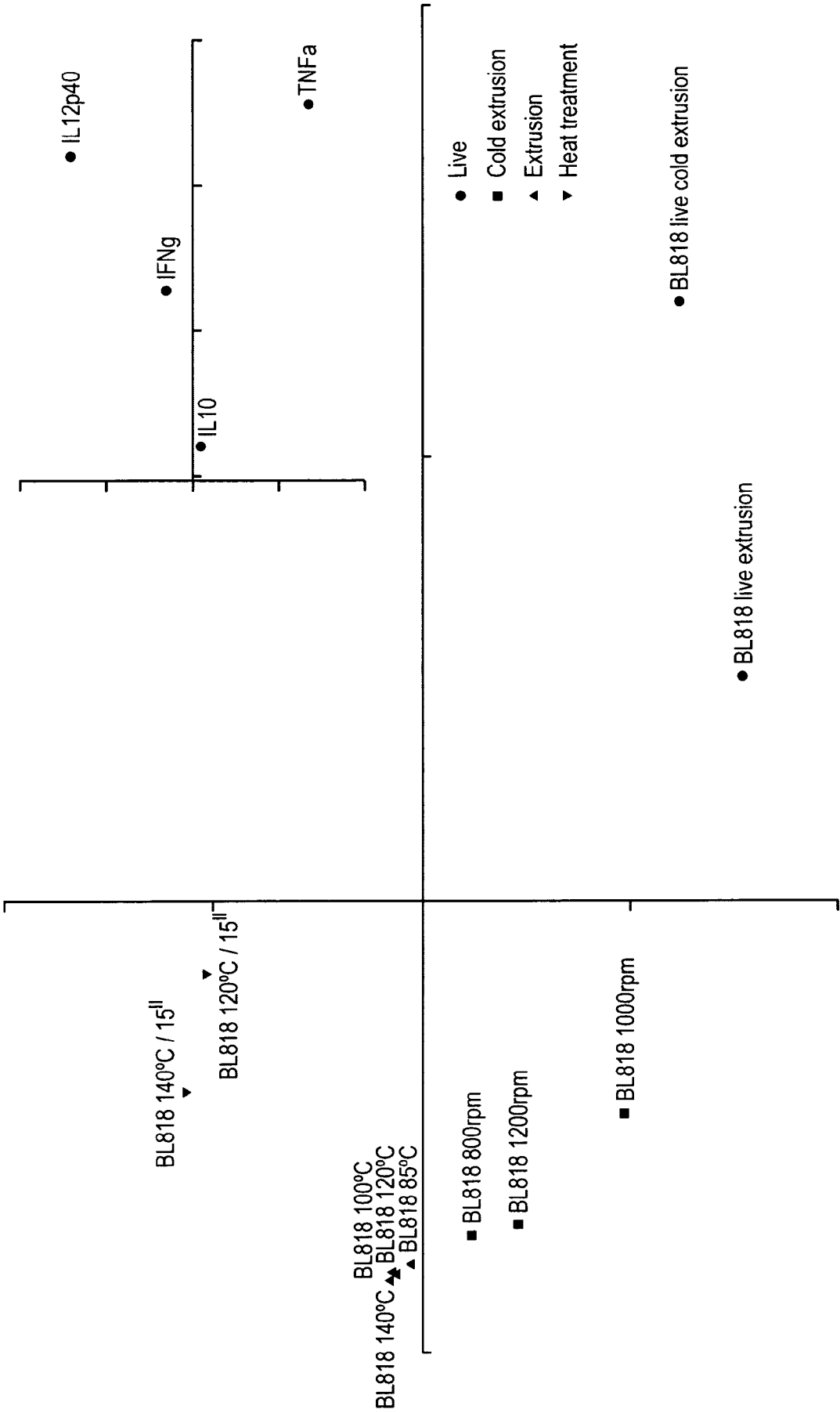


FIG. 7

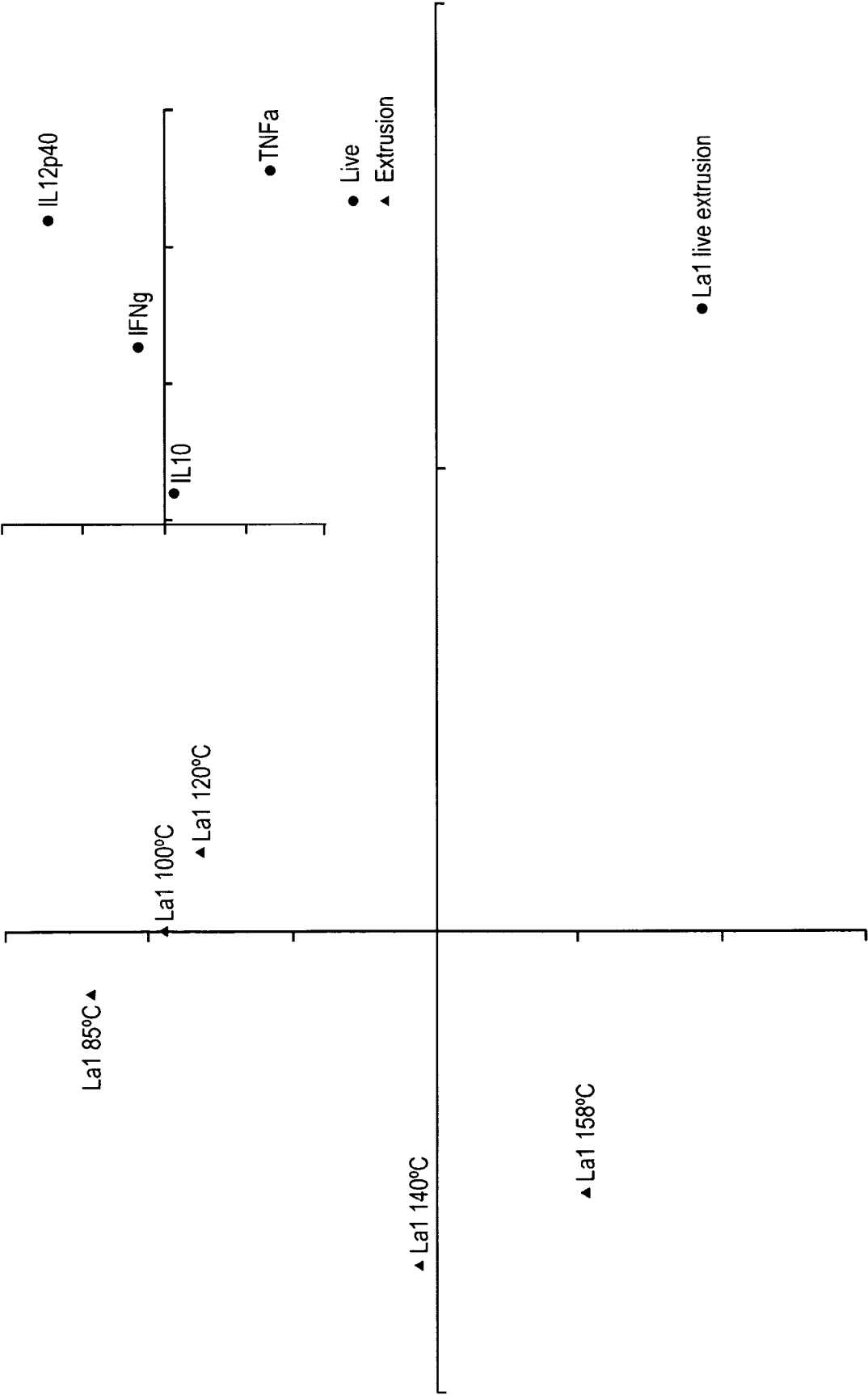


FIG. 8

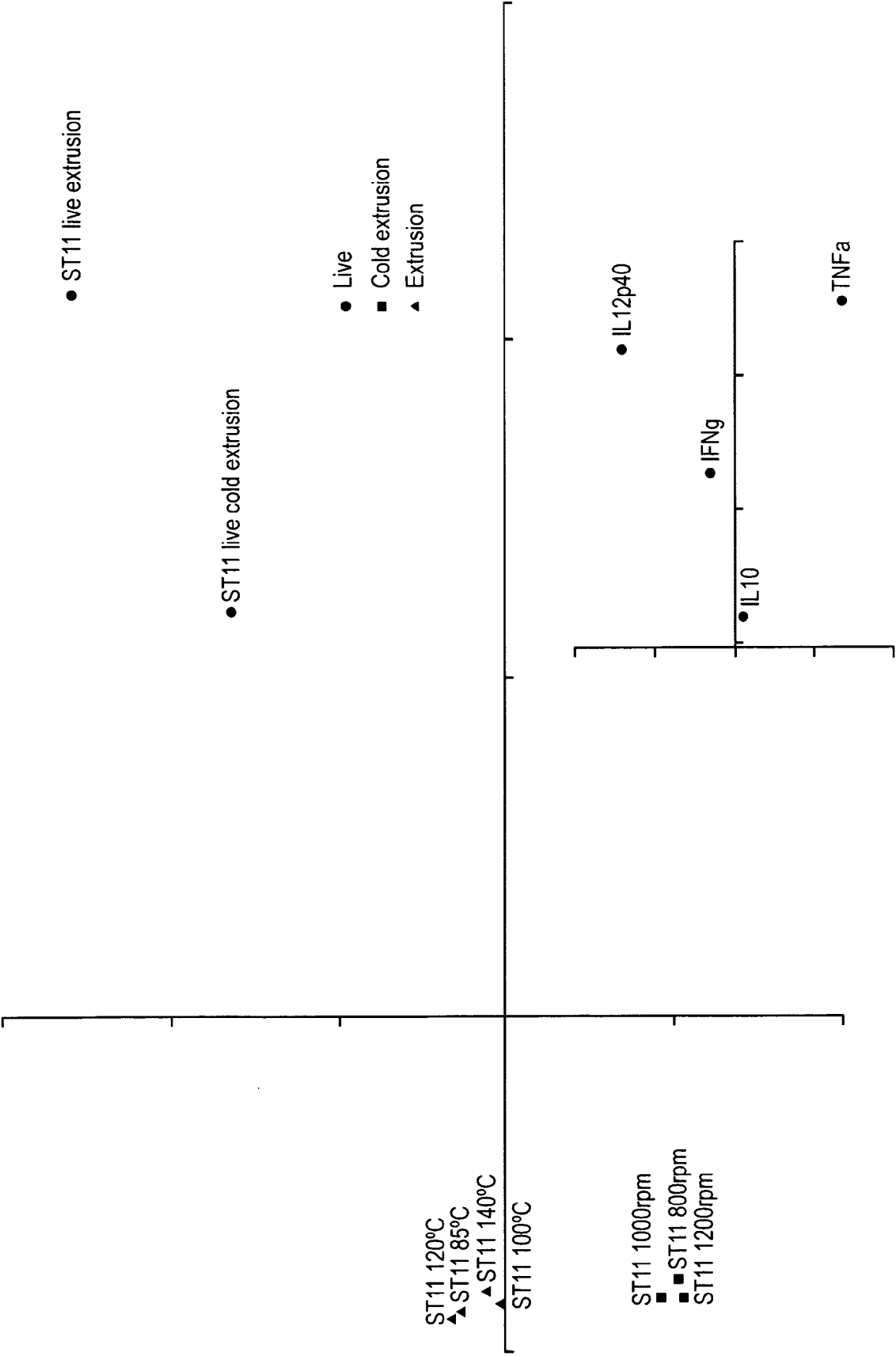
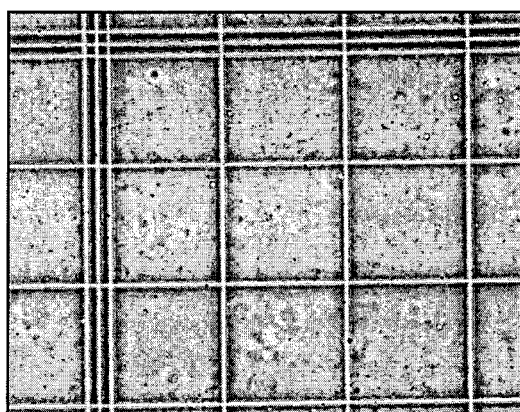


FIG. 9

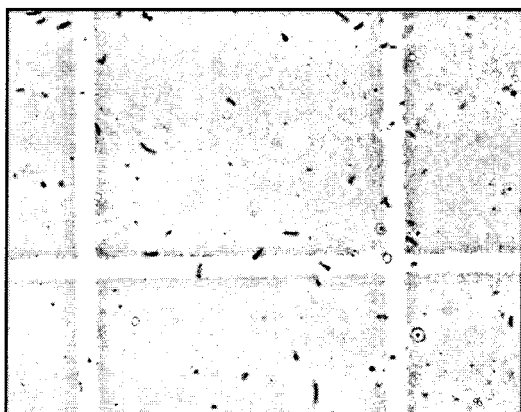
Extruded control (100x)



Extruded control (40x)



Extruded B. longum NCC3001
110°C, 100x



Extruded B. longum NCC3001
110°C, 40x

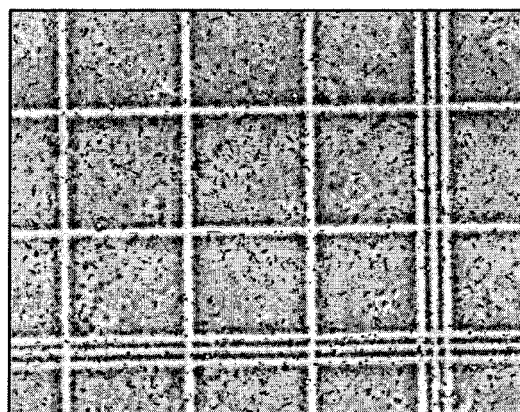
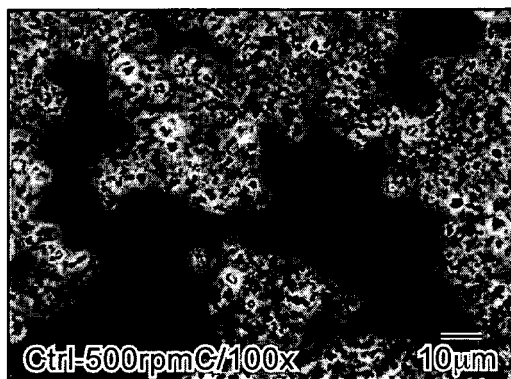


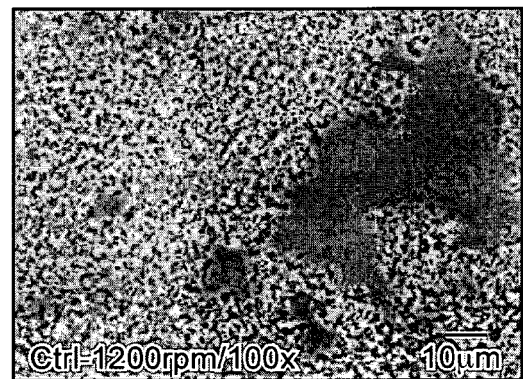
FIG. 10A

Cold extruded control (without bacteria)

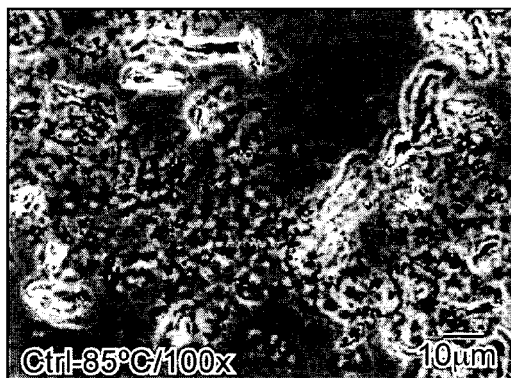
500rpm (100x)



1200rpm (100x)



85°C (100x)



140°C (100x)

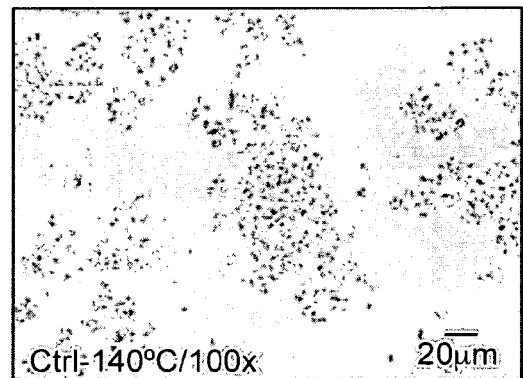
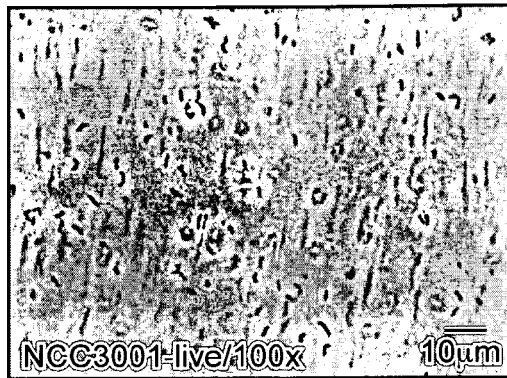
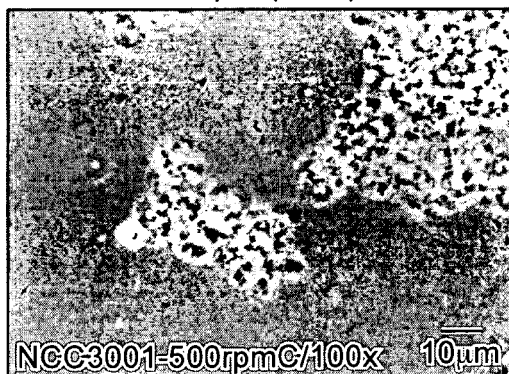


FIG. 10B

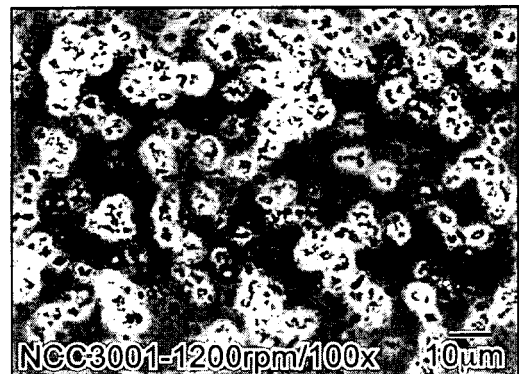
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Live *B. longum* (NCC3001) (100x)Cold extruded *B. longum* (NCC3001)

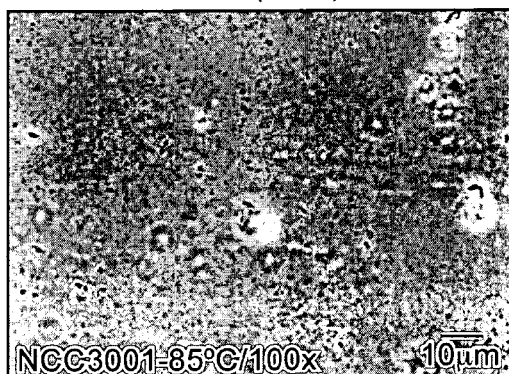
500rpm (100x)



1200rpm (100x)

Extruded *B. longum* (NCC3001)

85°C (100x)



140°C (100x)



FIG. 10C

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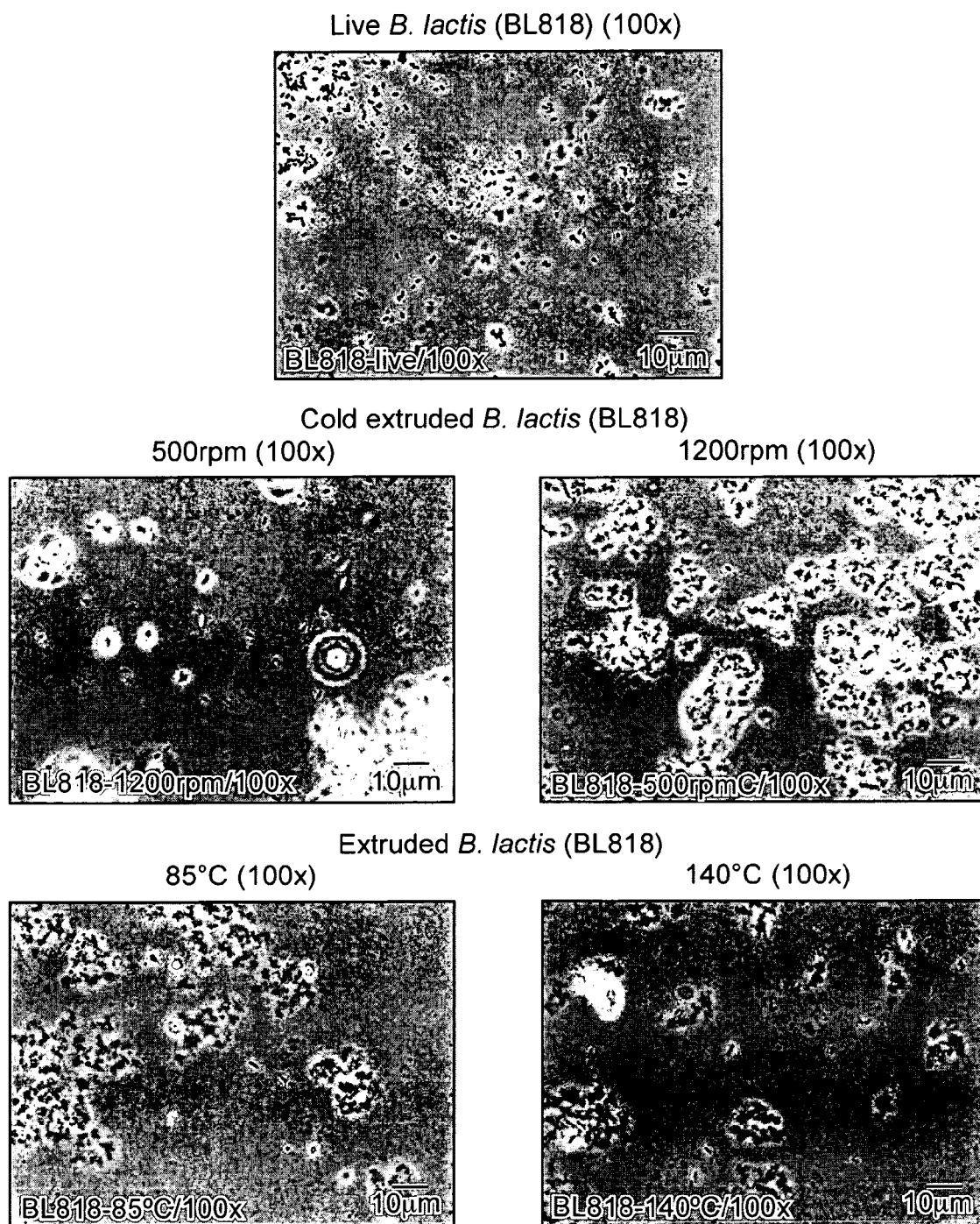
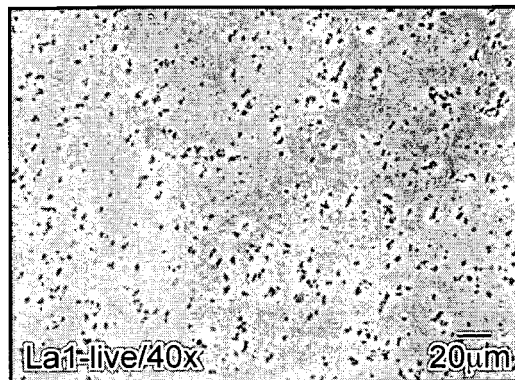
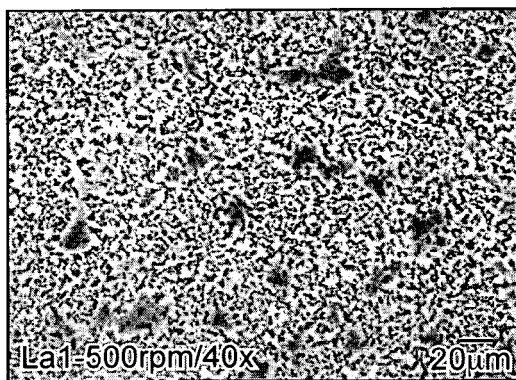


FIG. 10D

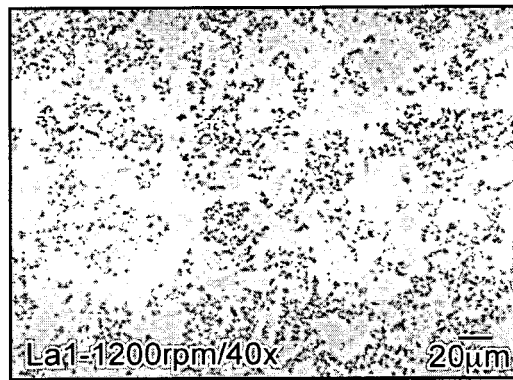
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Live *L. johnsonii* (La1)Cold extruded *L. johnsonii* (La1)

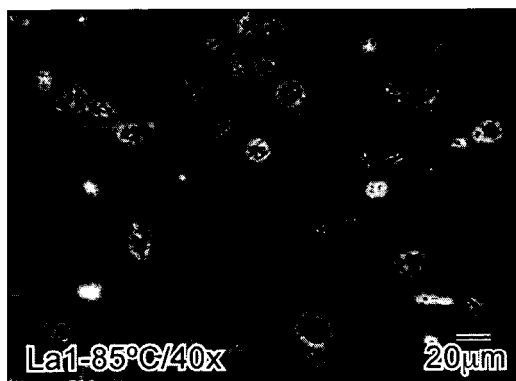
500rpm (100x)



1200rpm (100x)

Extruded *L. johnsonii* (La1)

85°C (100x)



140°C (100x)

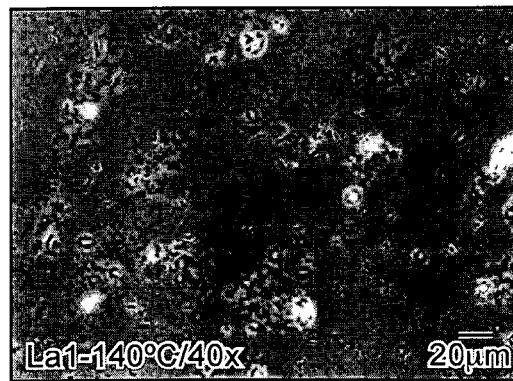
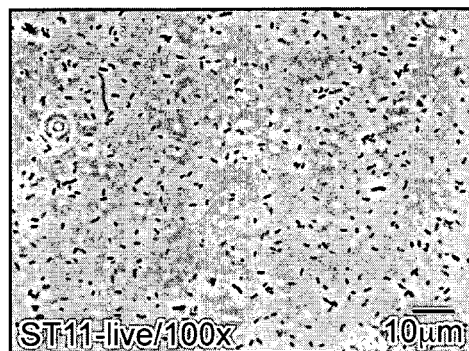
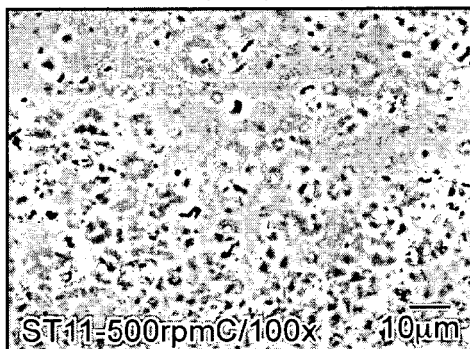


FIG. 10E

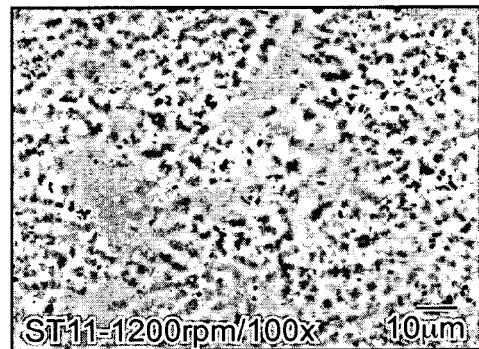
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Live *L. paracasei* (ST11)Cold extruded *L. paracasei* (ST11)

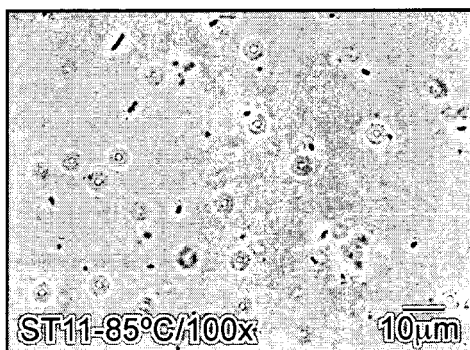
500rpm (100x)



1200rpm (100x)

Extruded *L. paracasei* (ST11)

85°C (100x)



140°C (100x)

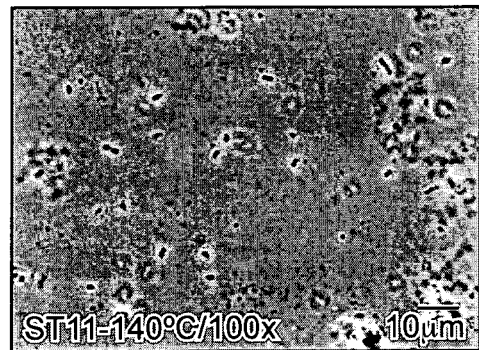


FIG. 10F

Fig: *B. latic* (BL818)

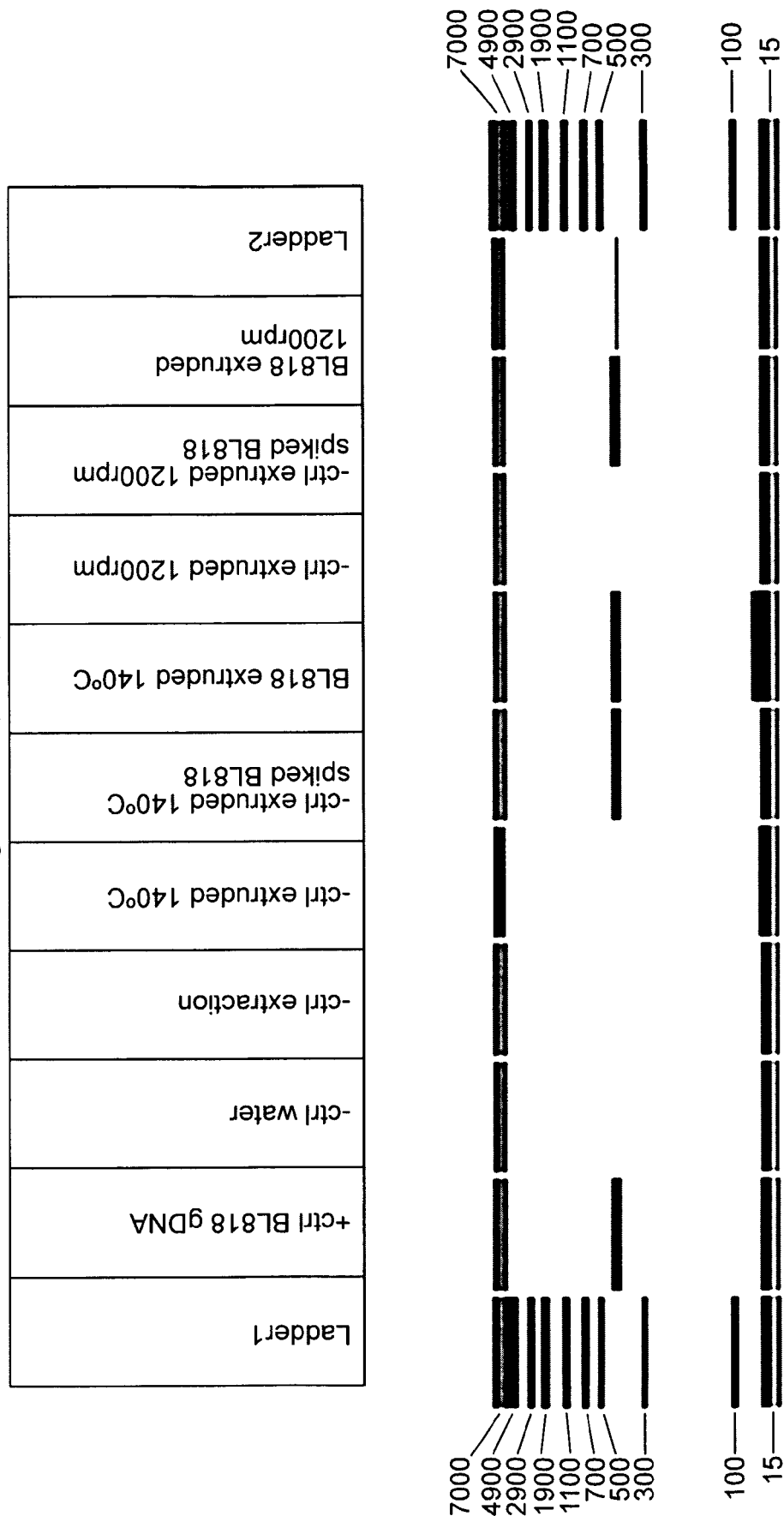


Fig: *L. paracasei* (ST11)

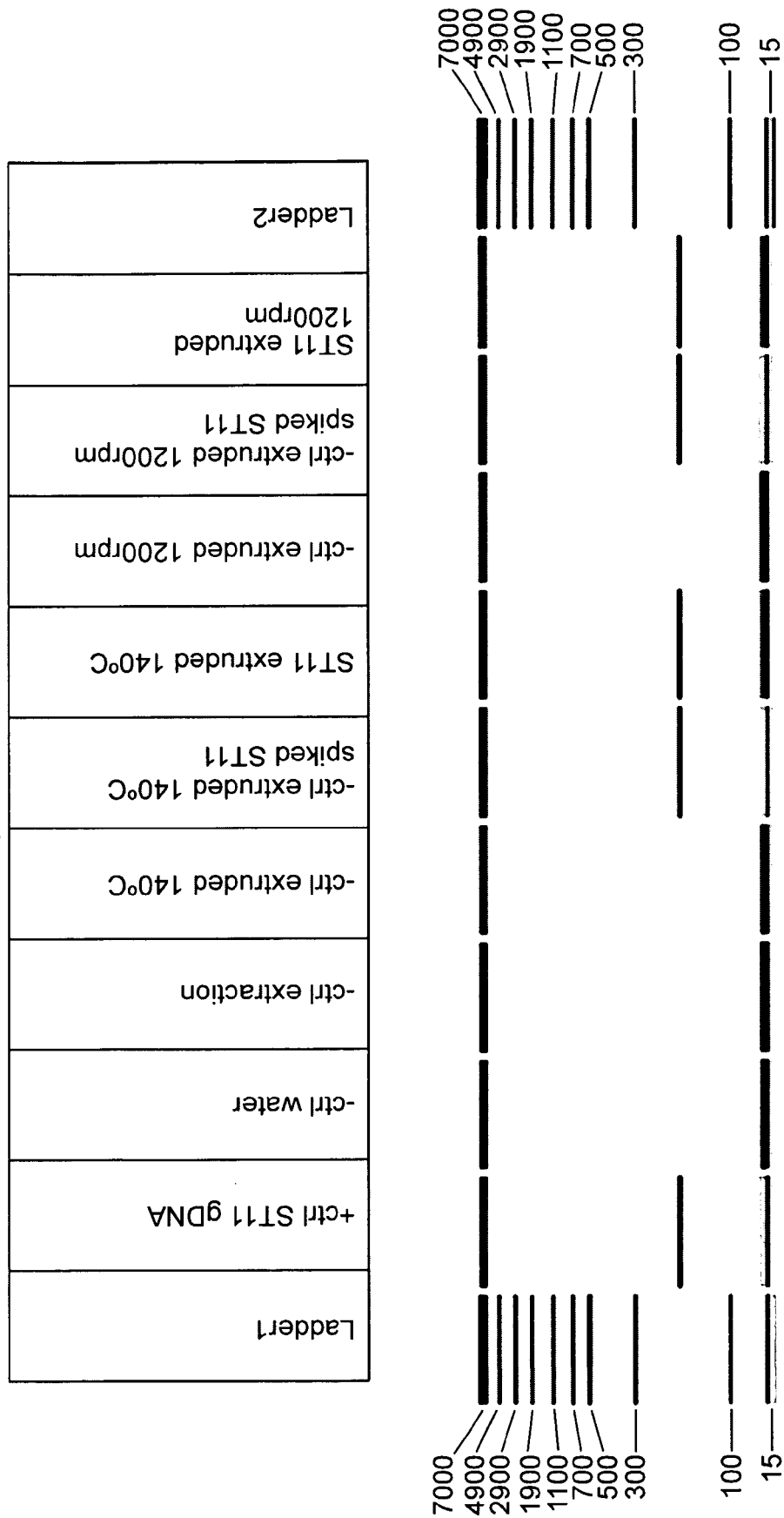
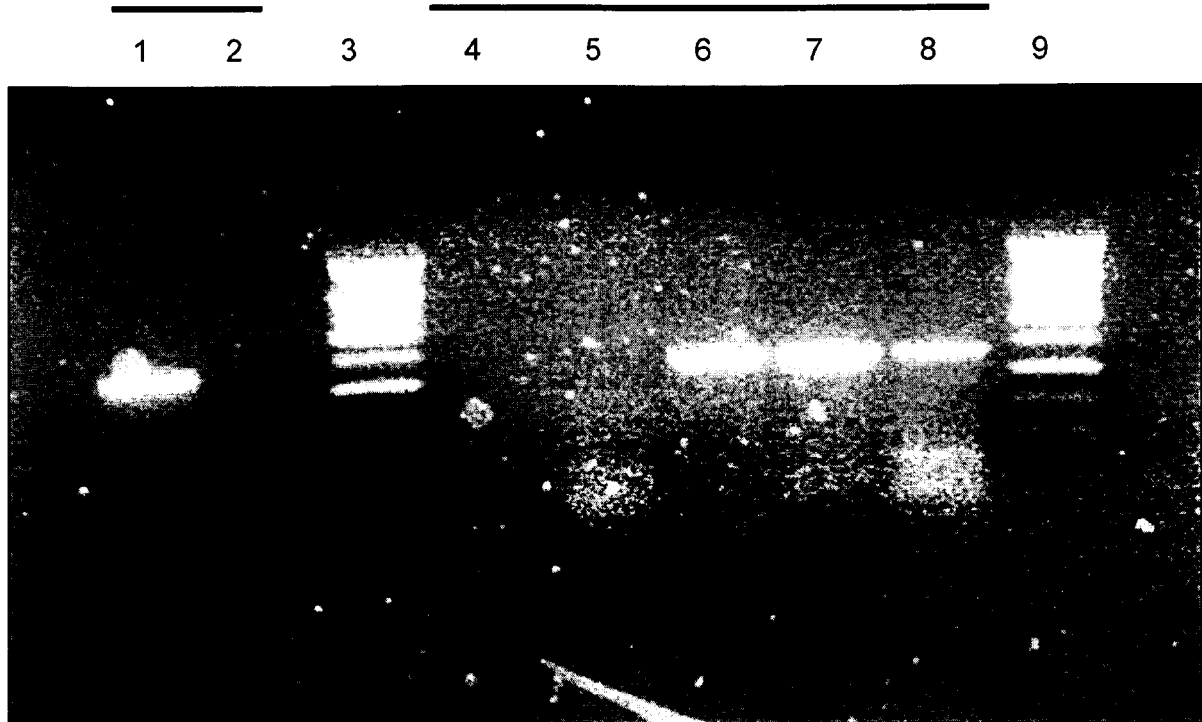


FIG. 11B

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Fig: *B. longum* (NCC3001)

Primers NCC3001A/B



1. gDNA NCC3001 +ctrl
2. NTC -ctrl
3. SmartLadder SF Eurogentec
4. -Ctrl extraction
5. -Ctrl extruded 100°C
6. -Ctrl extruded 100°C spiked NCC3001
7. NCC3001 extruded 100°C
8. NCC3001 extruded 130°C
9. SmartLadder SF Eurogentec

FIG. 11C