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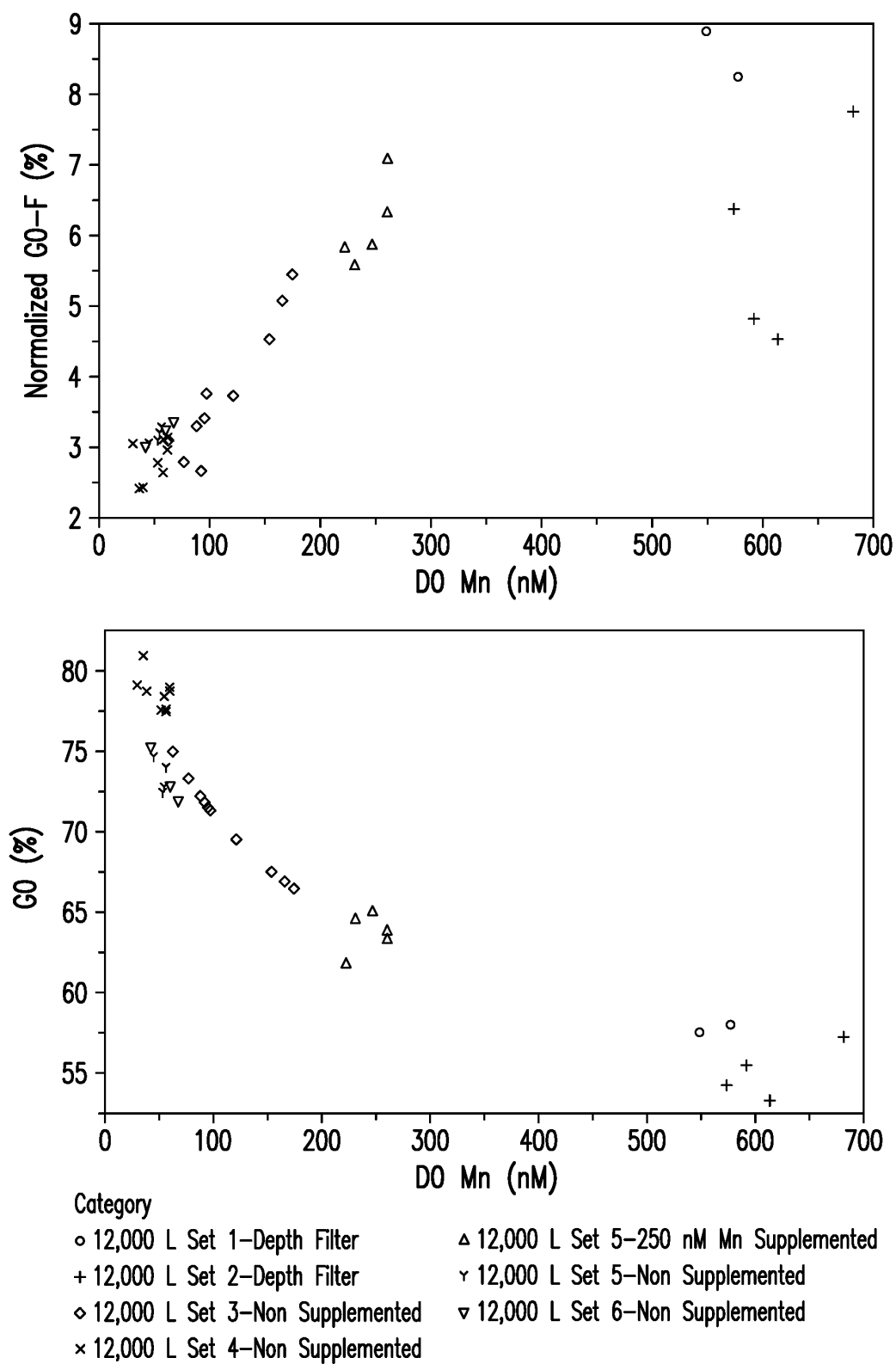


FIG. 1

SUBSTITUTE SHEET (RULE 26)

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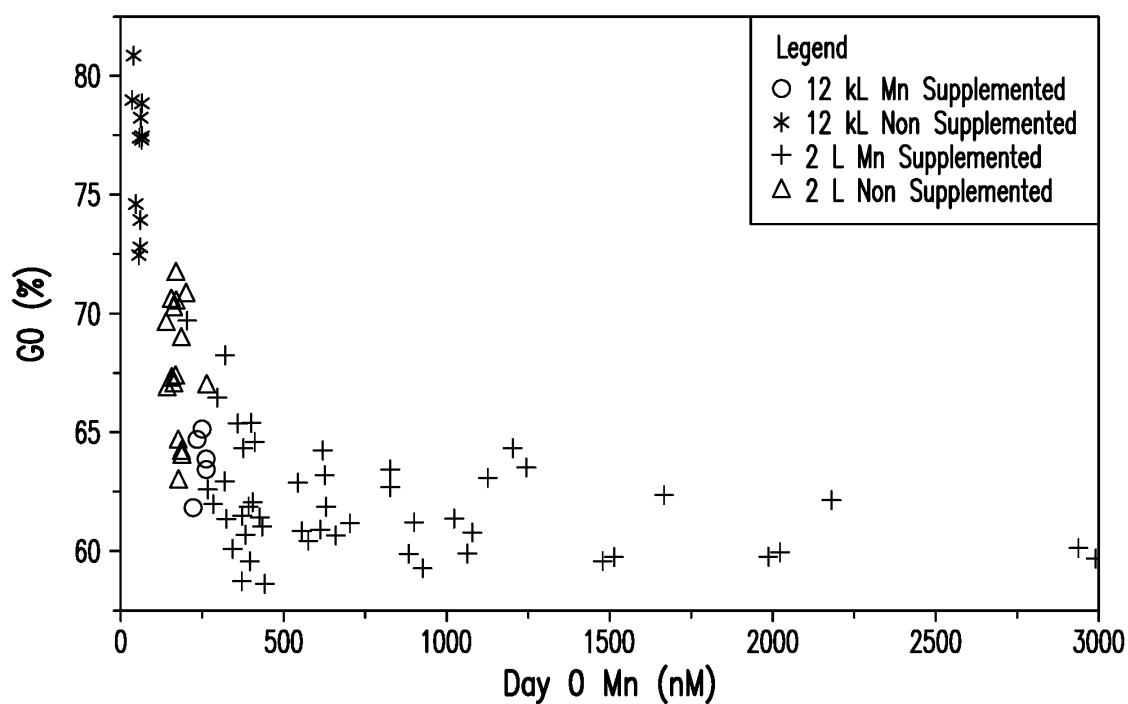


FIG. 2A

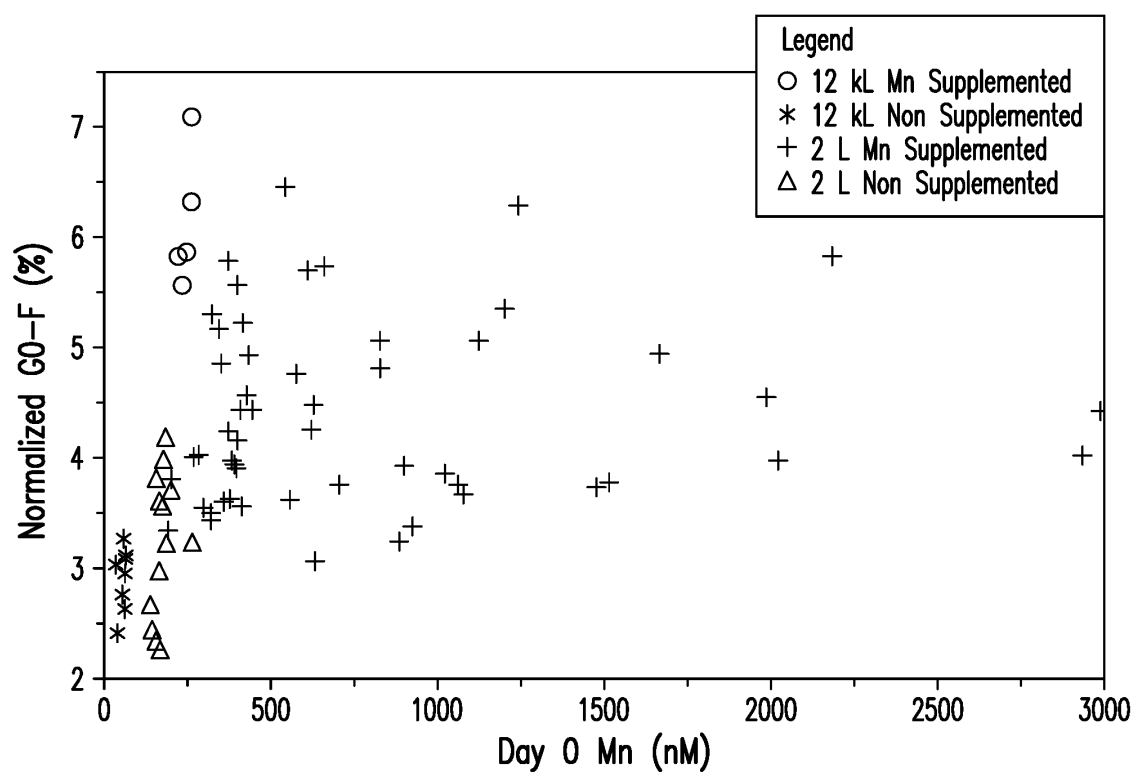


FIG. 2B

SUBSTITUTE SHEET (RULE 26)

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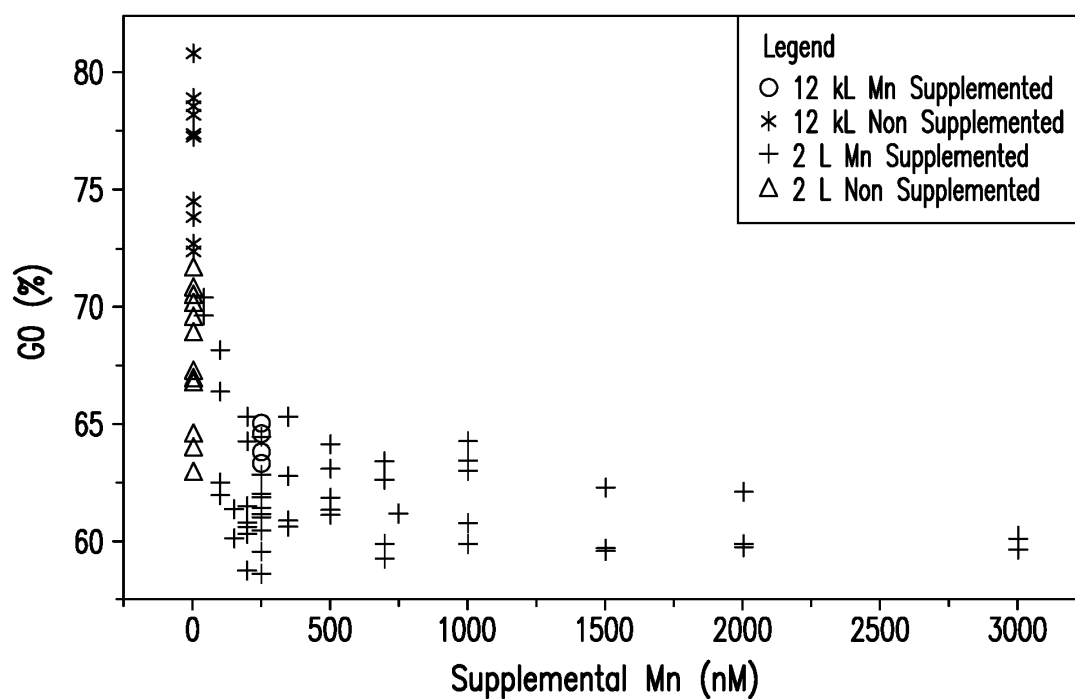


FIG. 3A

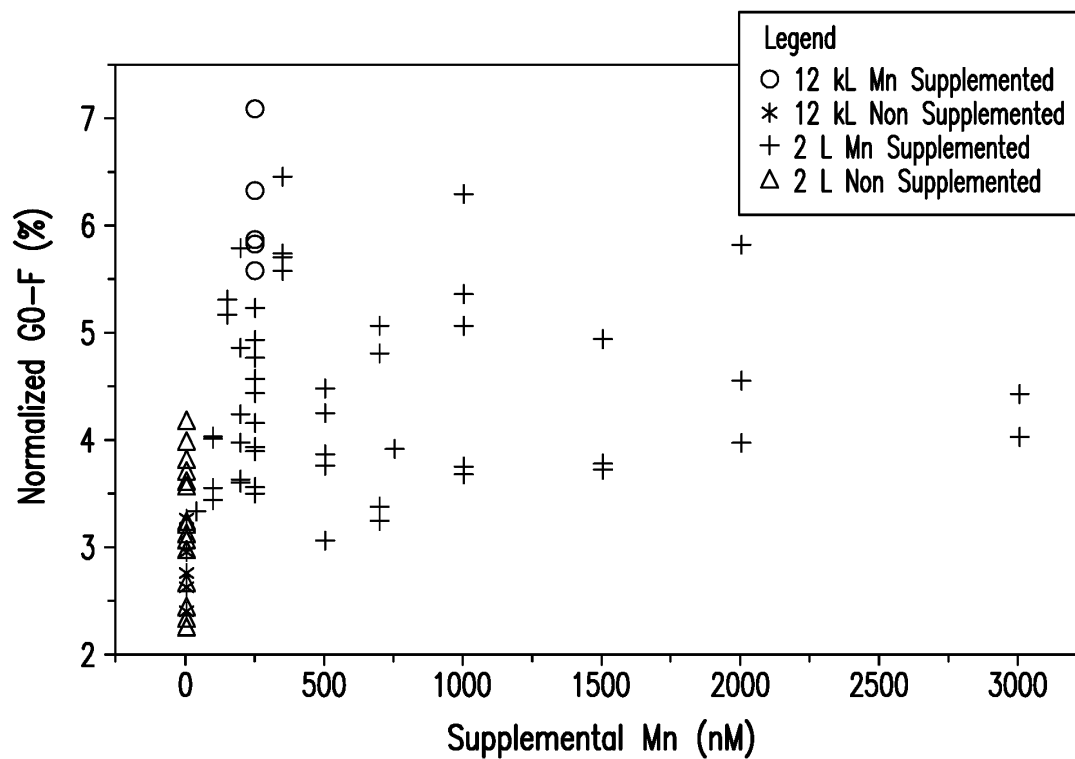


FIG. 3B

SUBSTITUTE SHEET (RULE 26)

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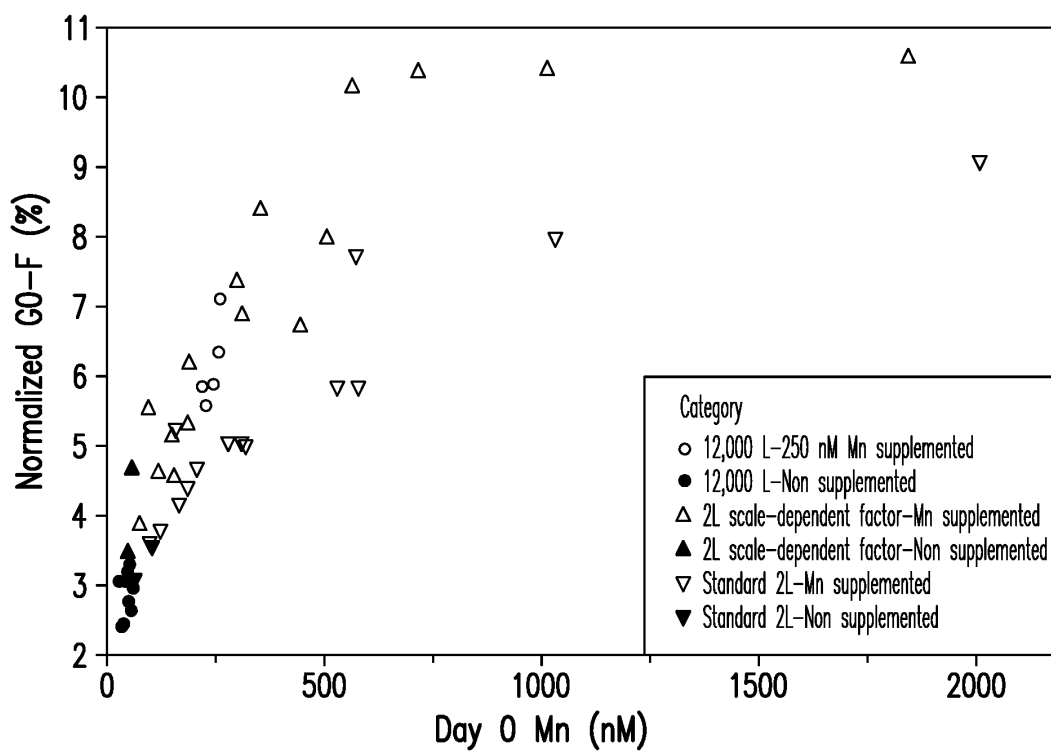


FIG. 4A

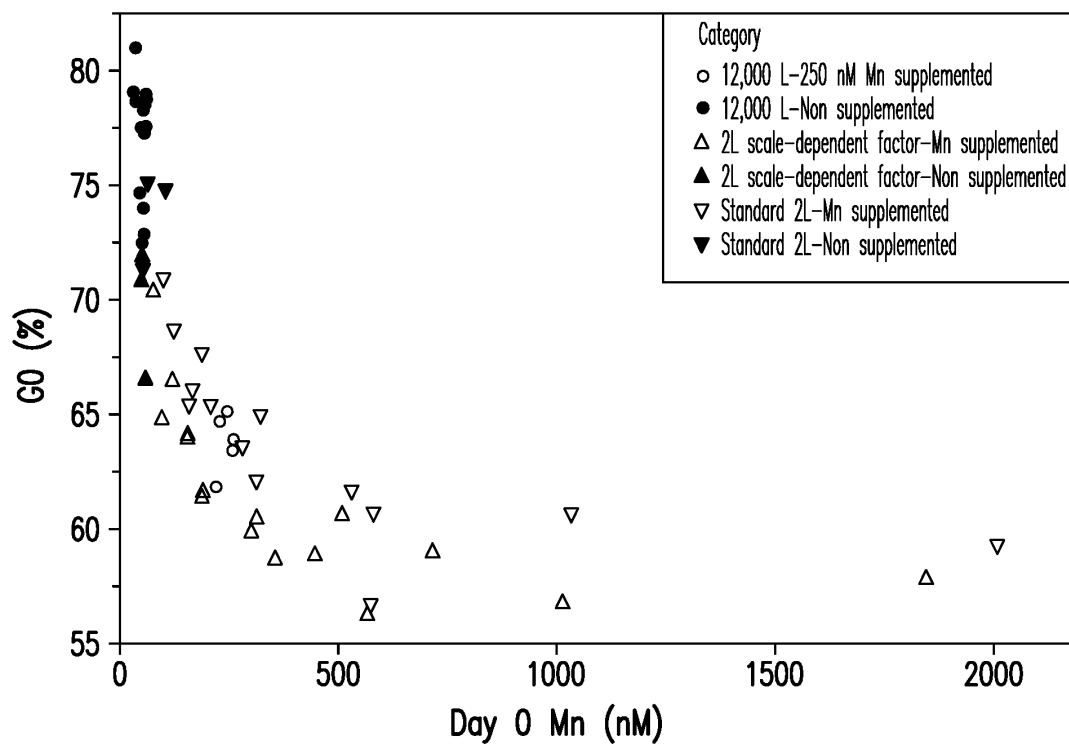


FIG. 4B

SUBSTITUTE SHEET (RULE 26)

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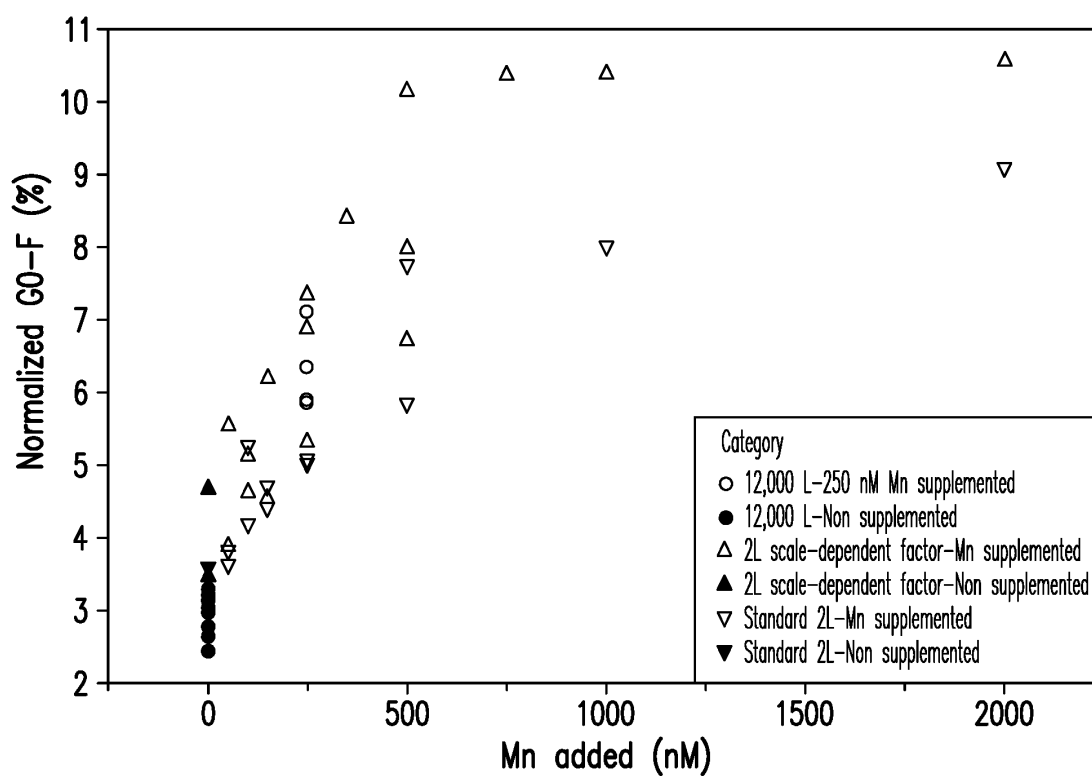


FIG. 5A

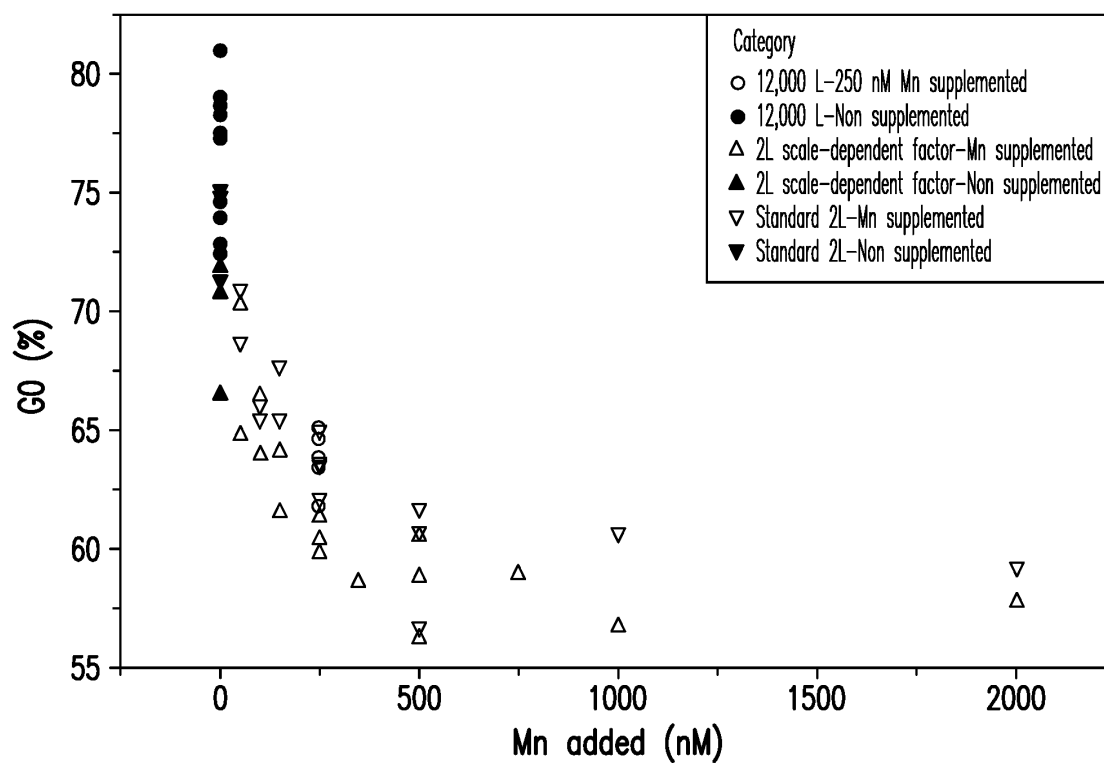


FIG. 5B

SUBSTITUTE SHEET (RULE 26)

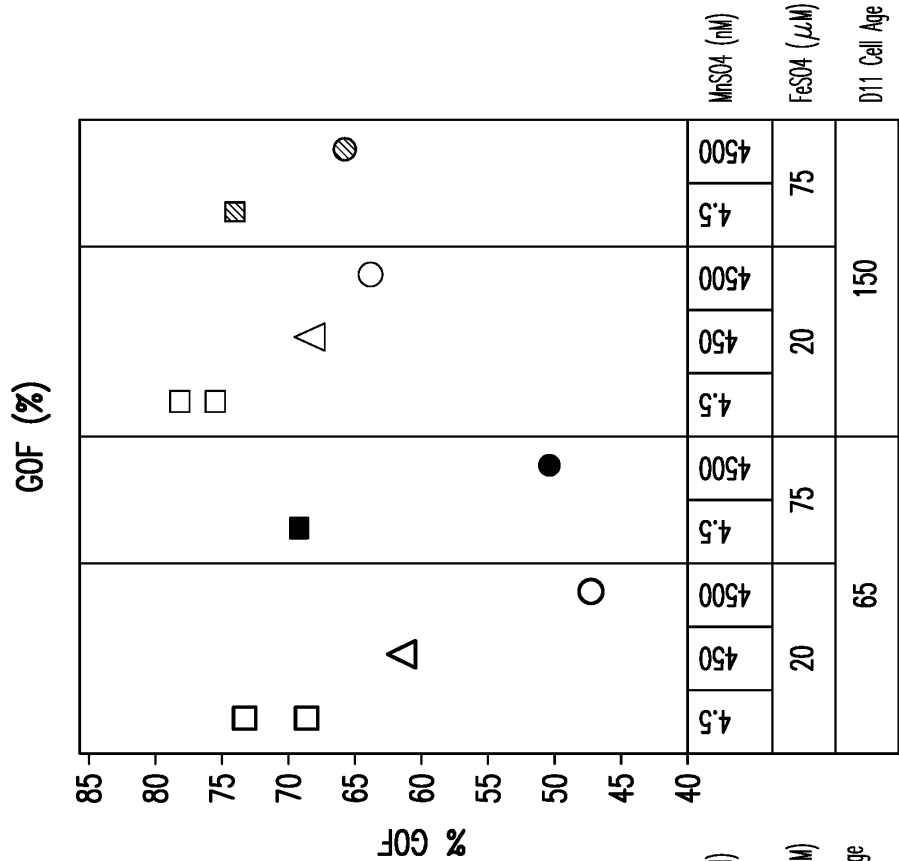


FIG. 6A

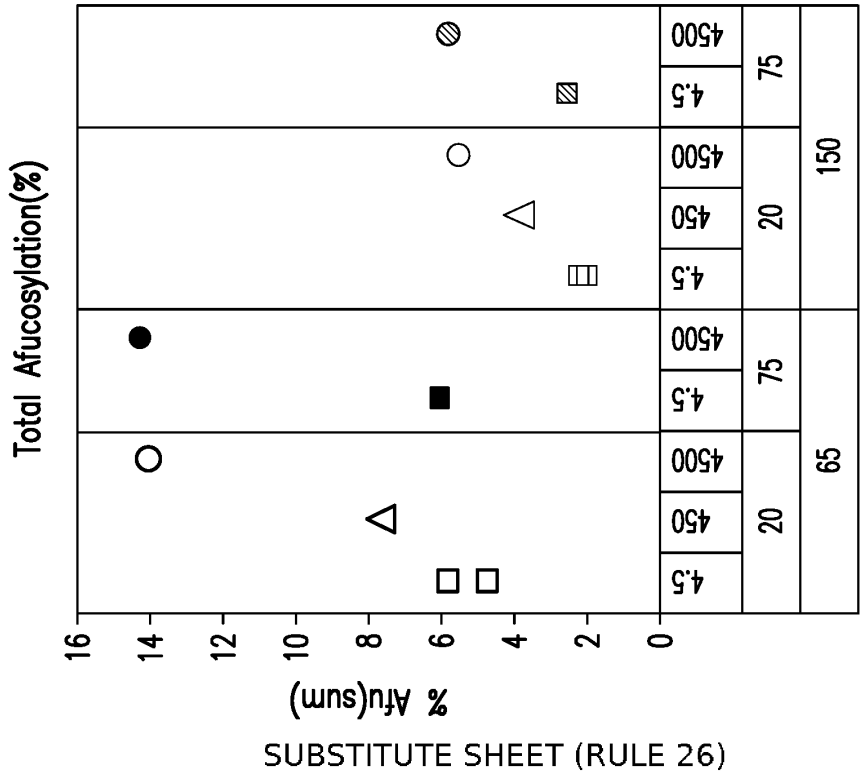


FIG. 6B

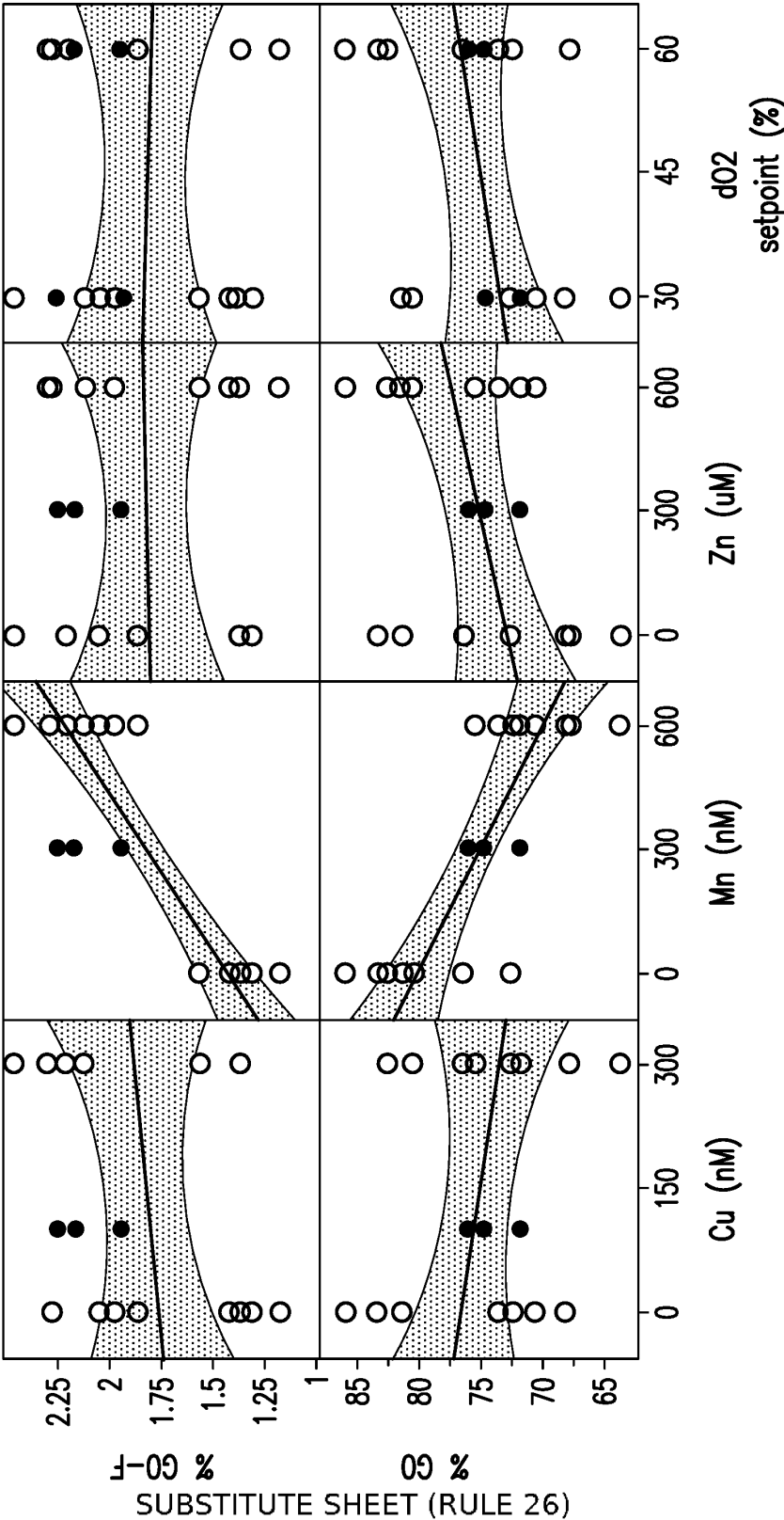


FIG. 7

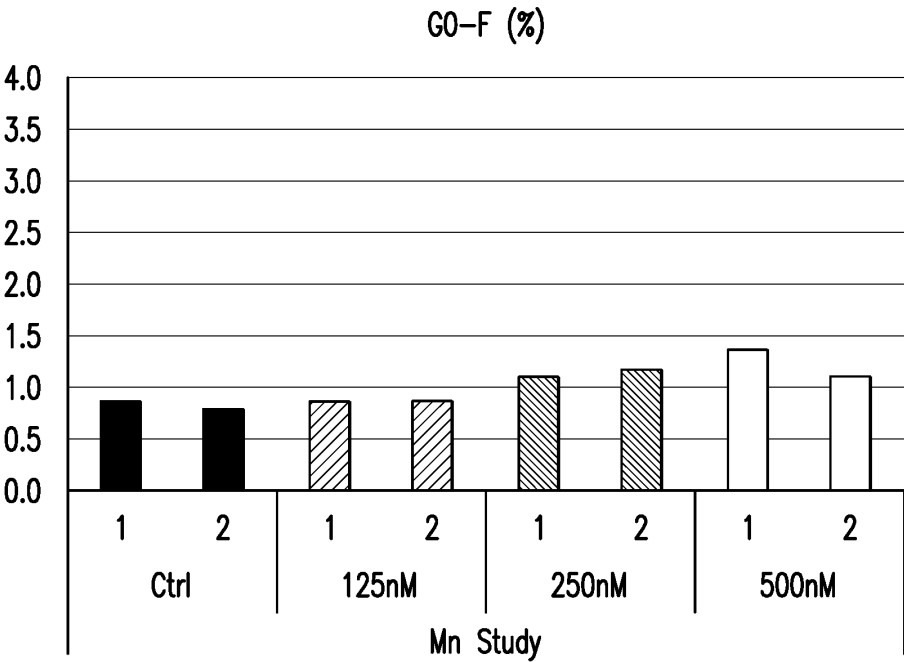


FIG. 8A

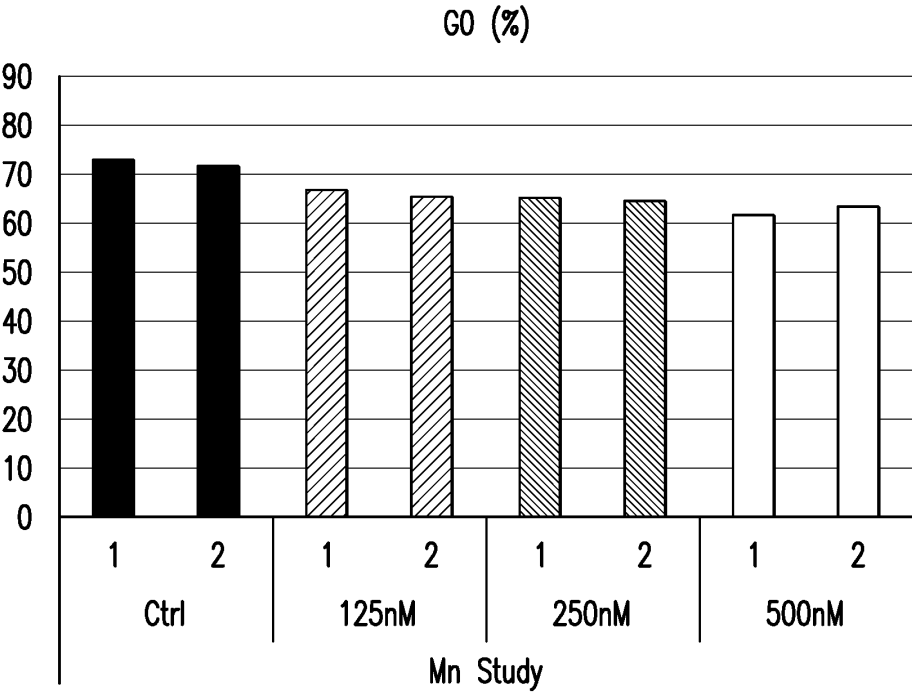


FIG. 8B

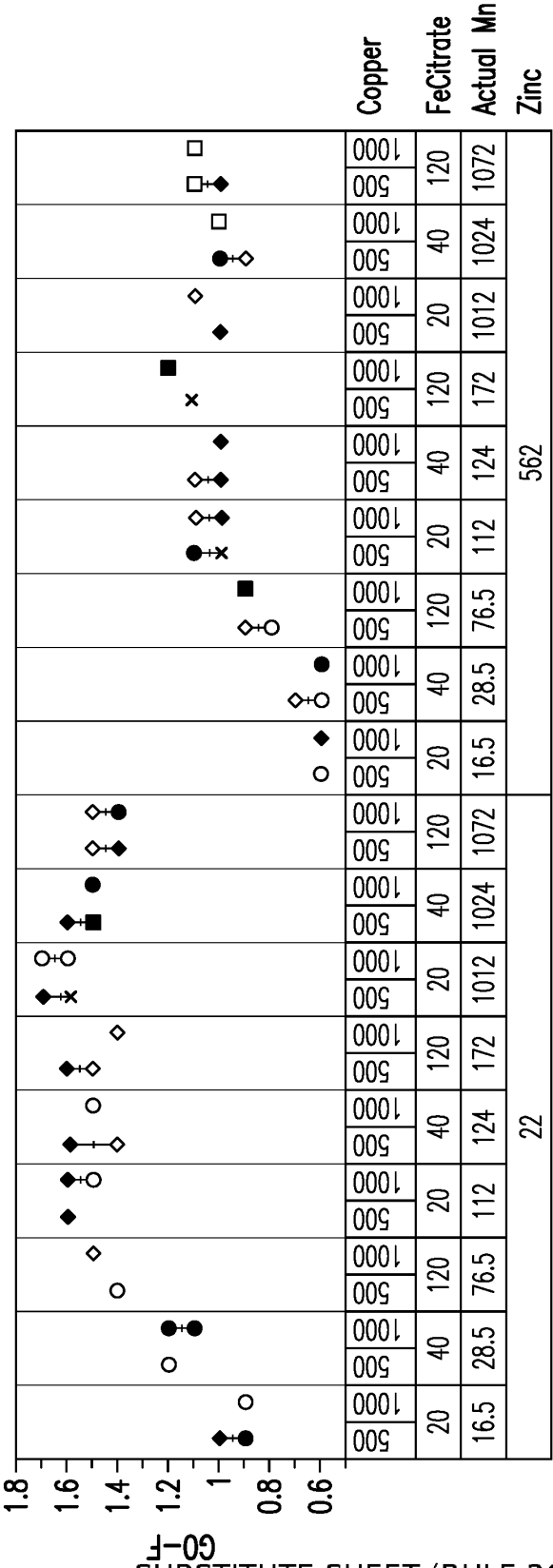
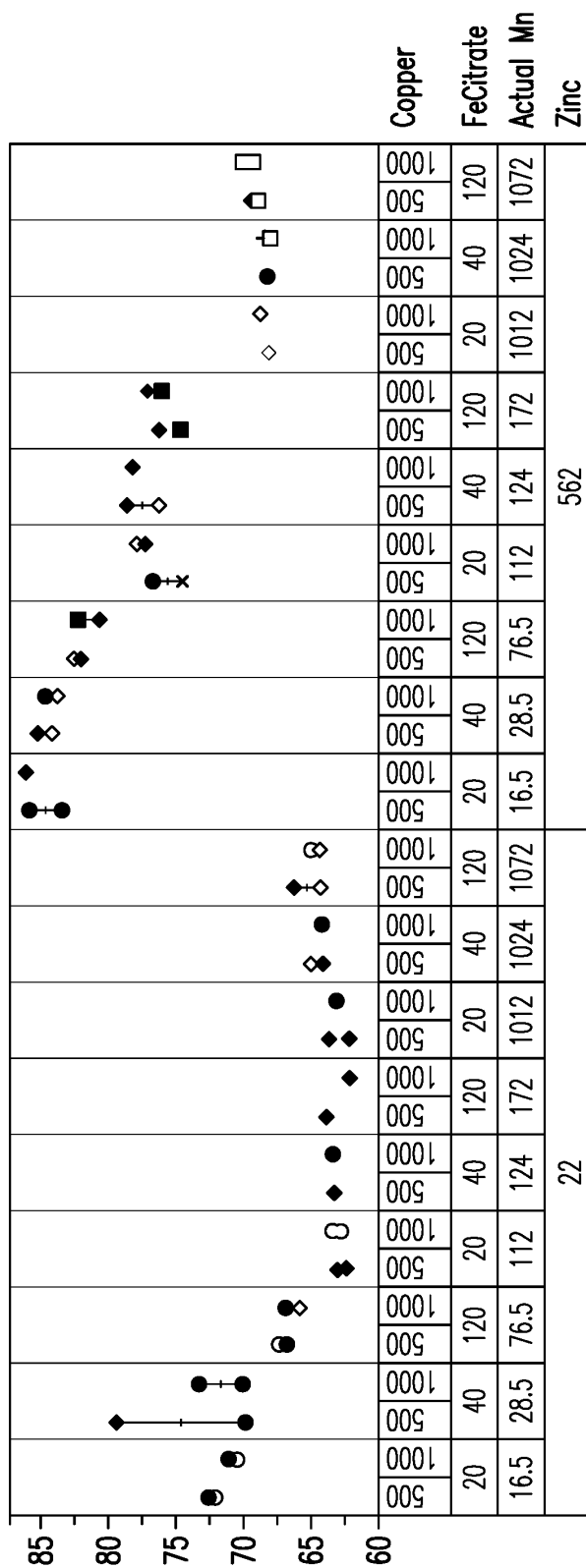


FIG. 9A



Qp by Y43 (average specific productivity at time t)

FIG. 9B

● 35 ◆ 55 ■ 75
○ 45 ◇ 65 □ 85

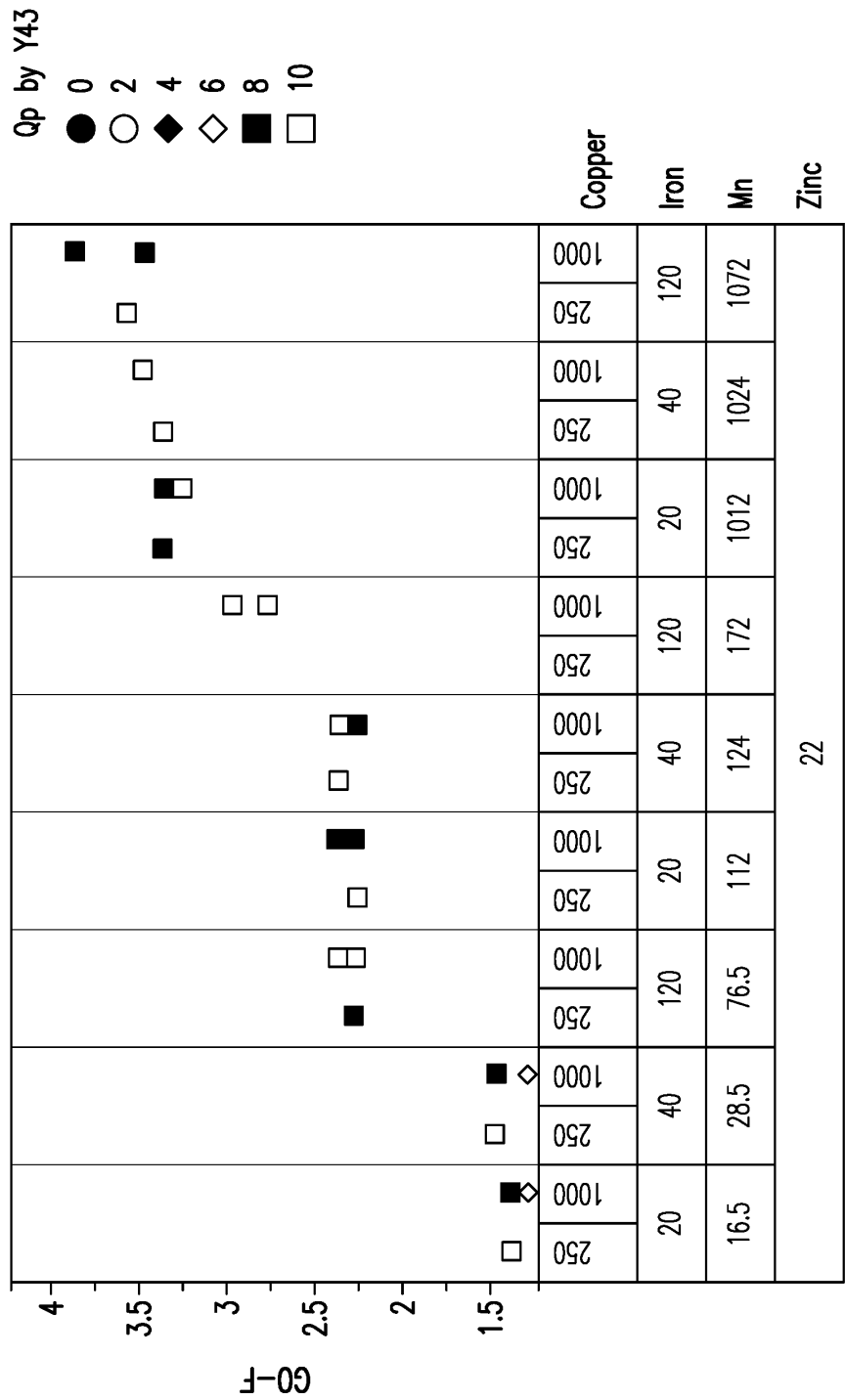


FIG. 10A

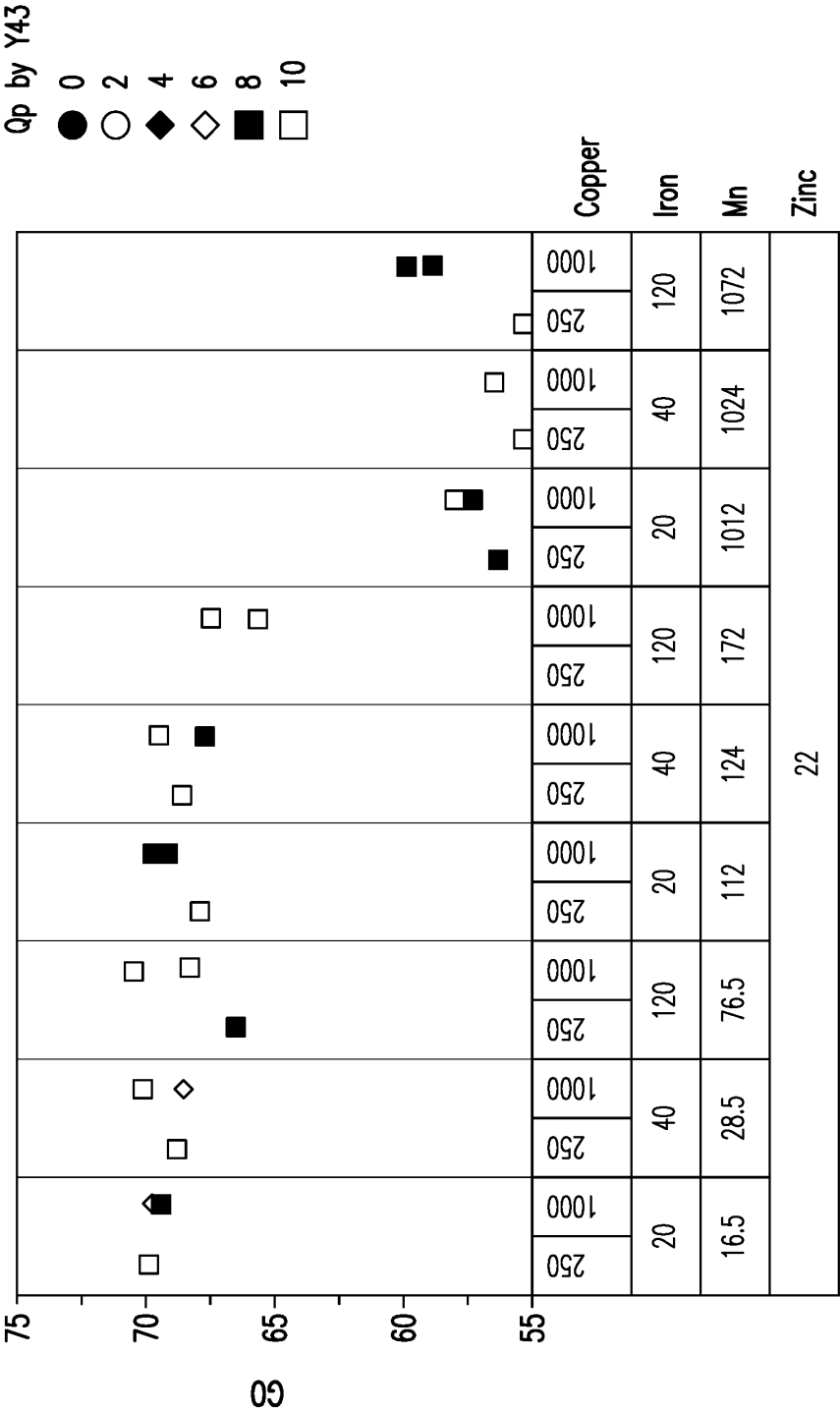


FIG. 10B

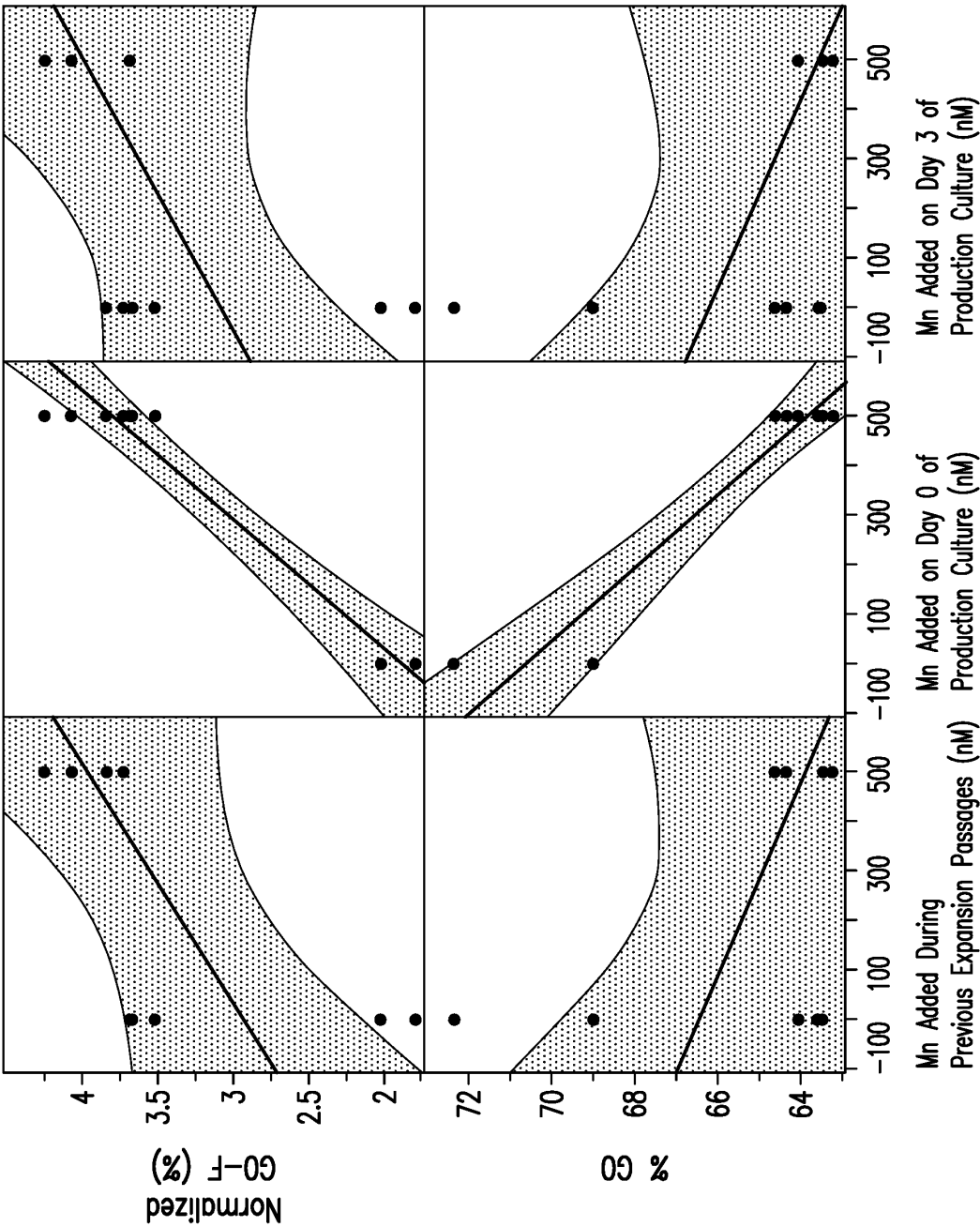


FIG. 11

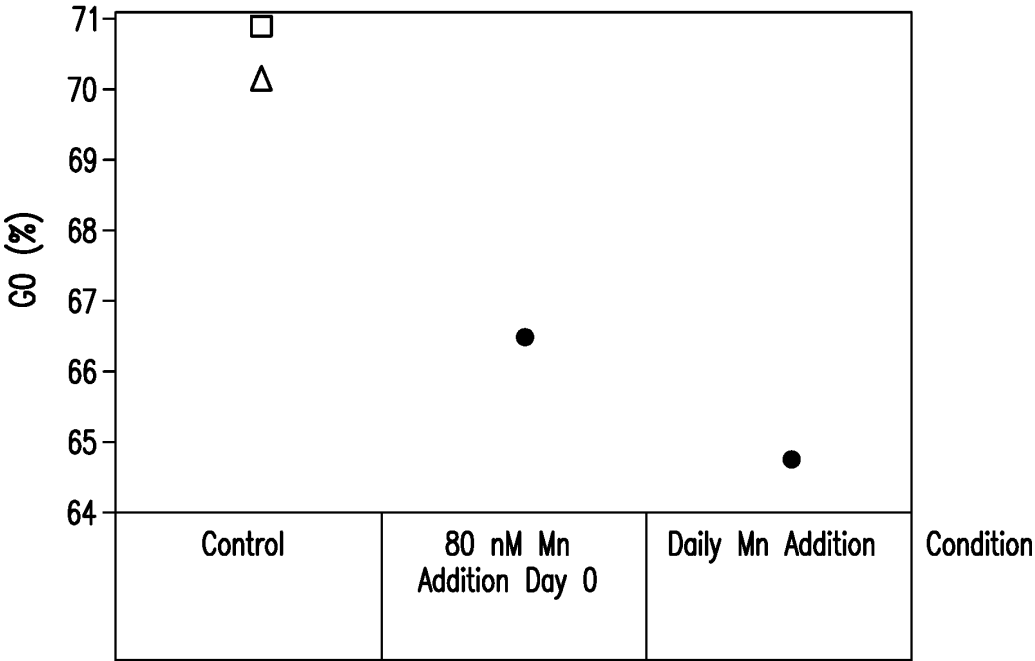


FIG. 12A

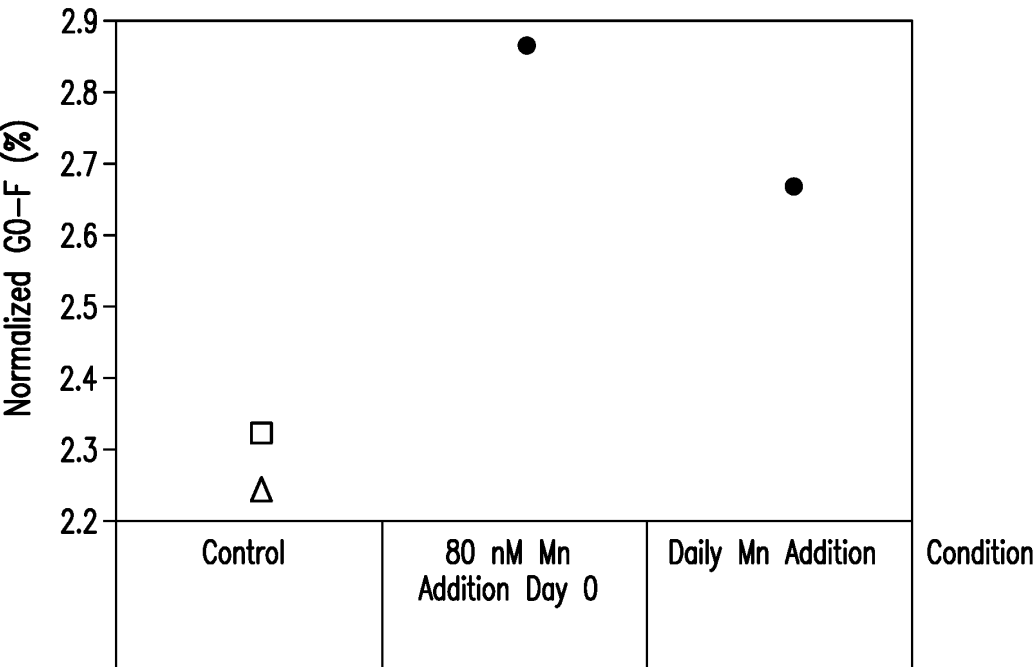


FIG. 12B

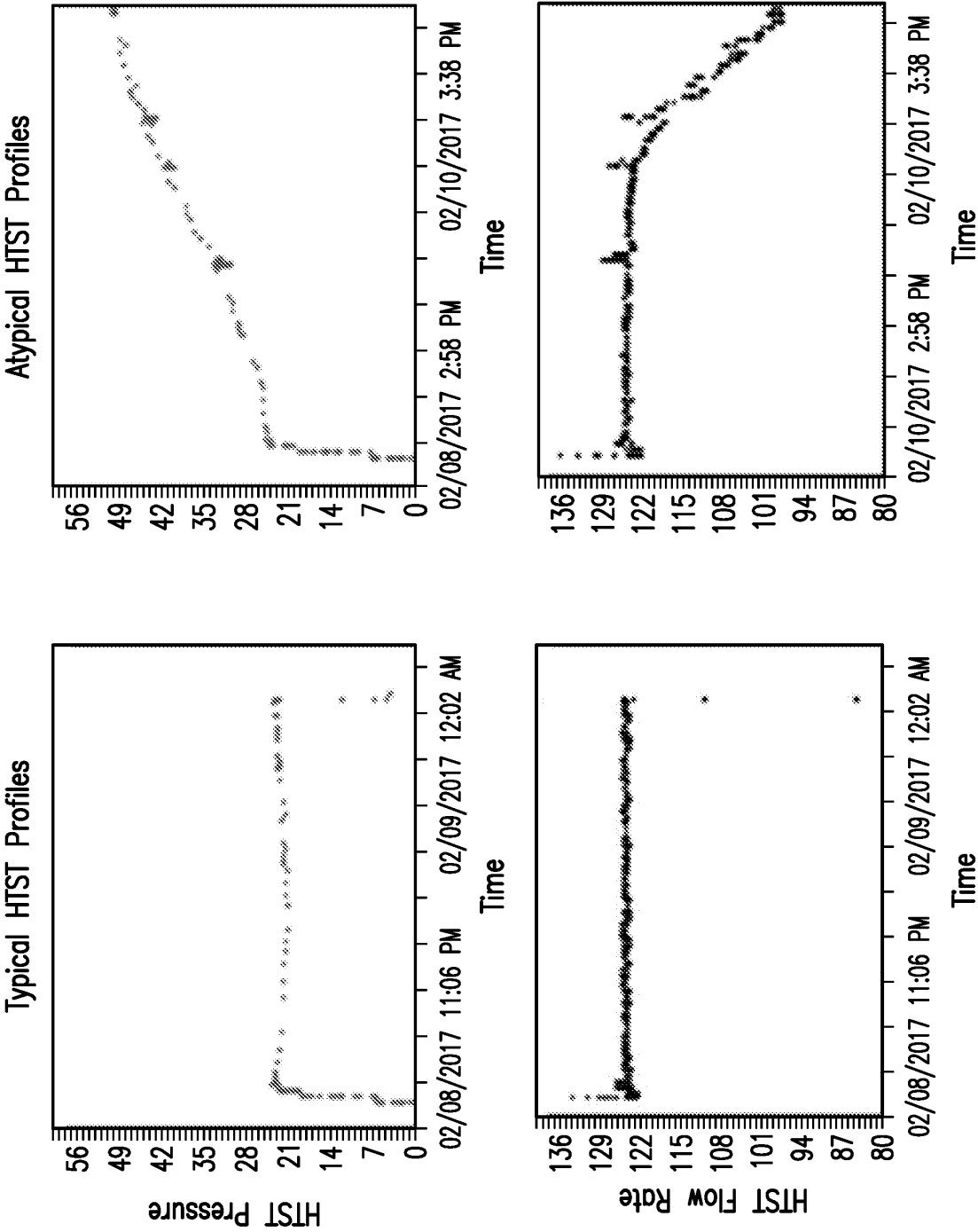


FIG. 13

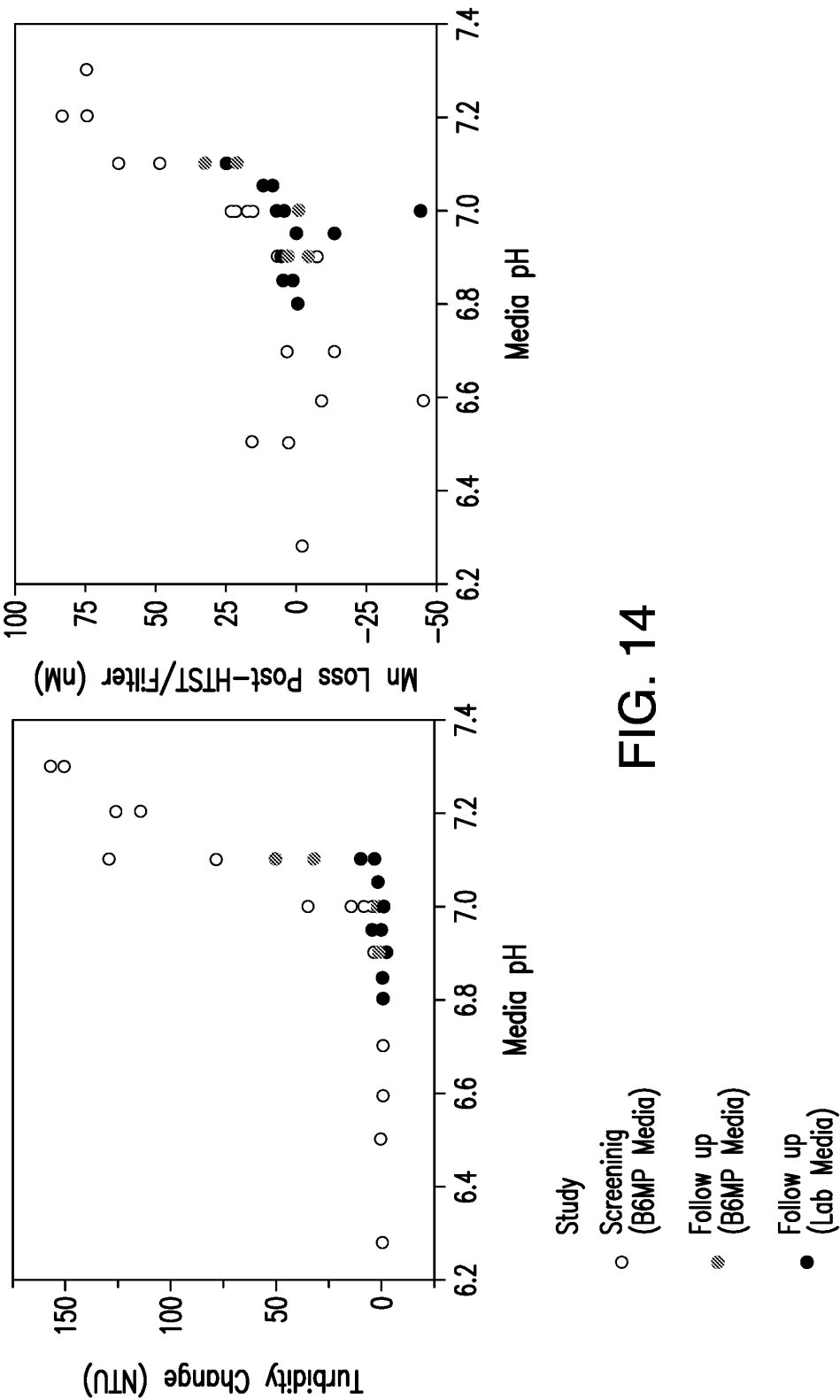


FIG. 14

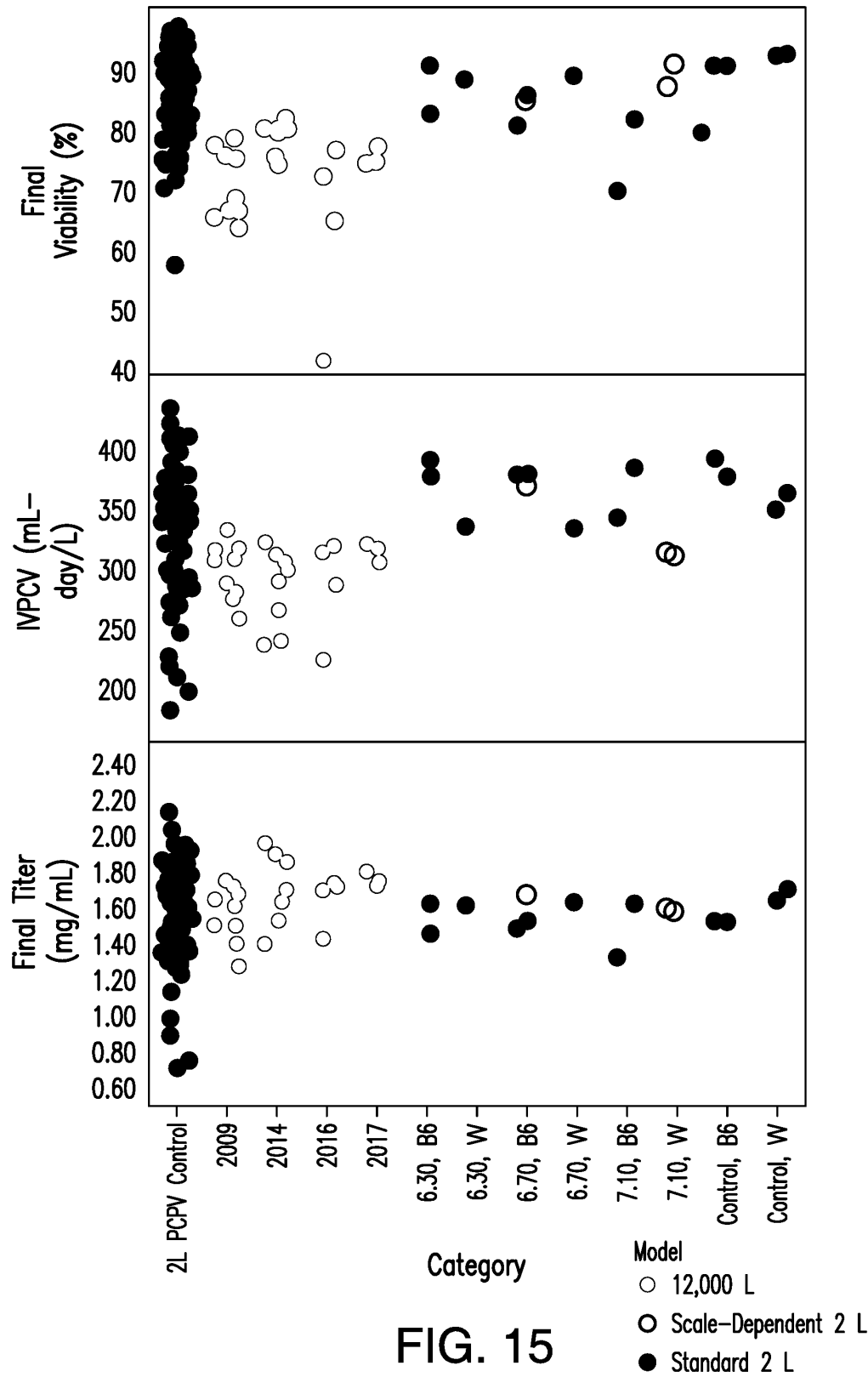
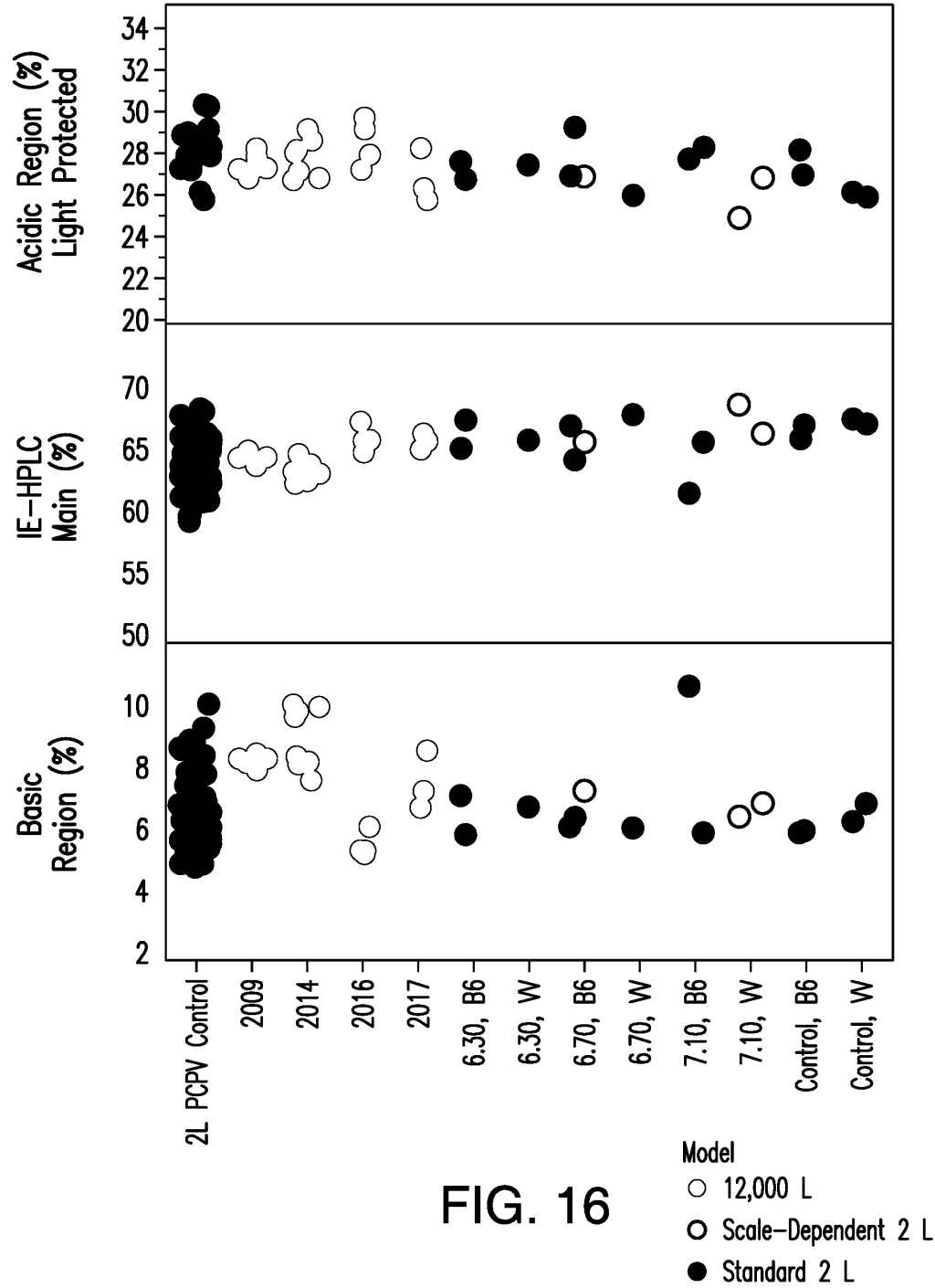


FIG. 15
SUBSTITUTE SHEET (RULE 26)



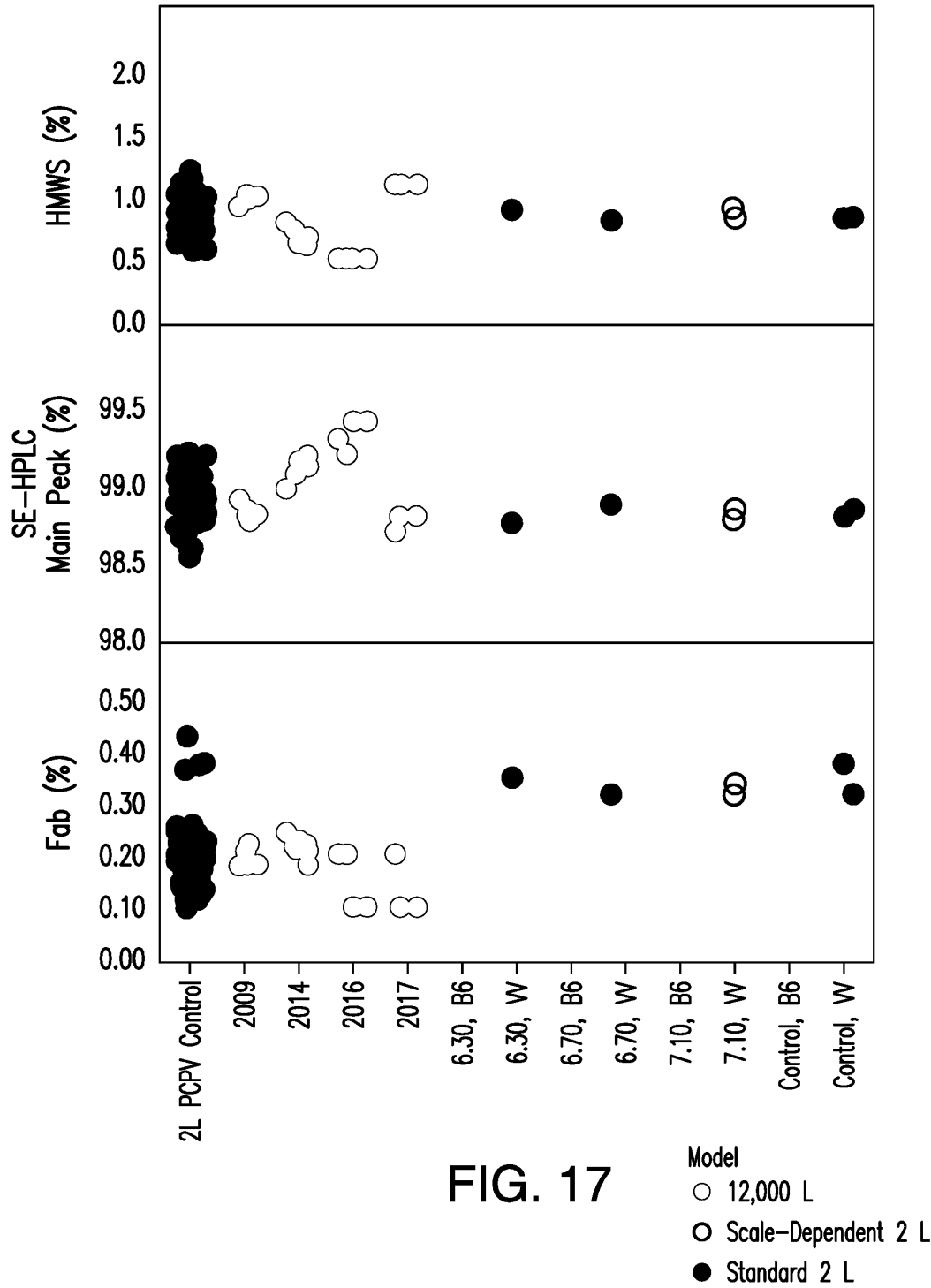


FIG. 17

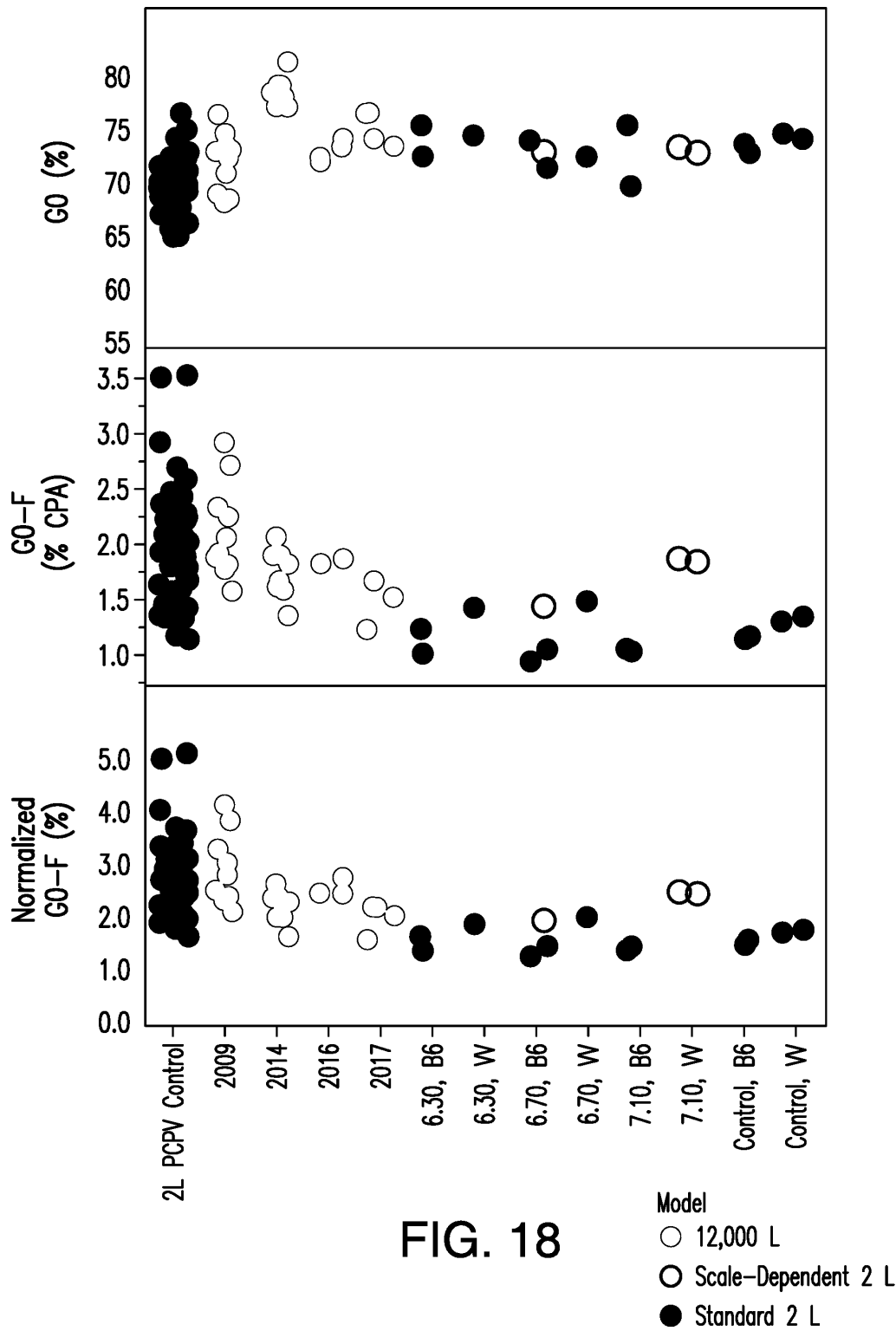
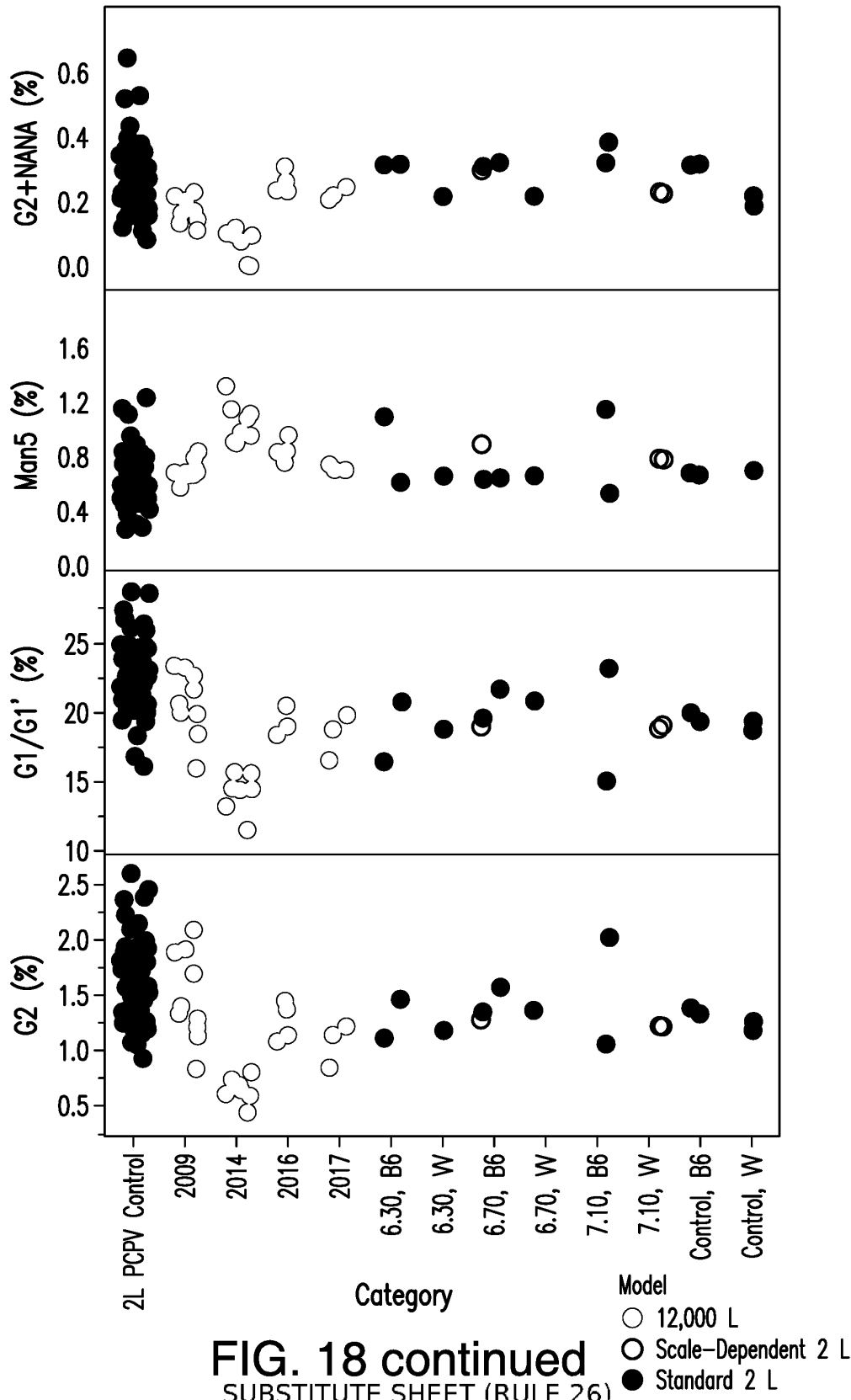


FIG. 18



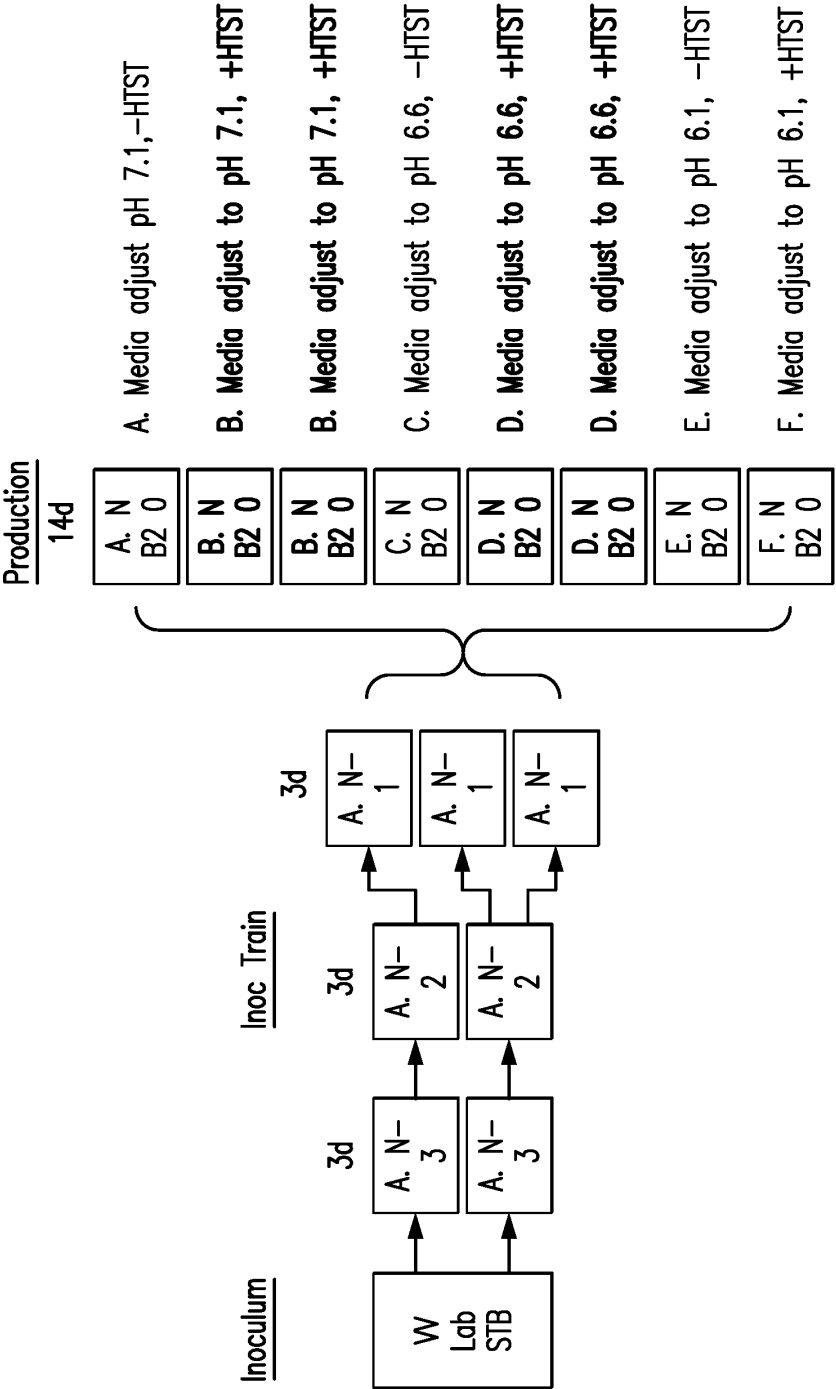


FIG. 19A

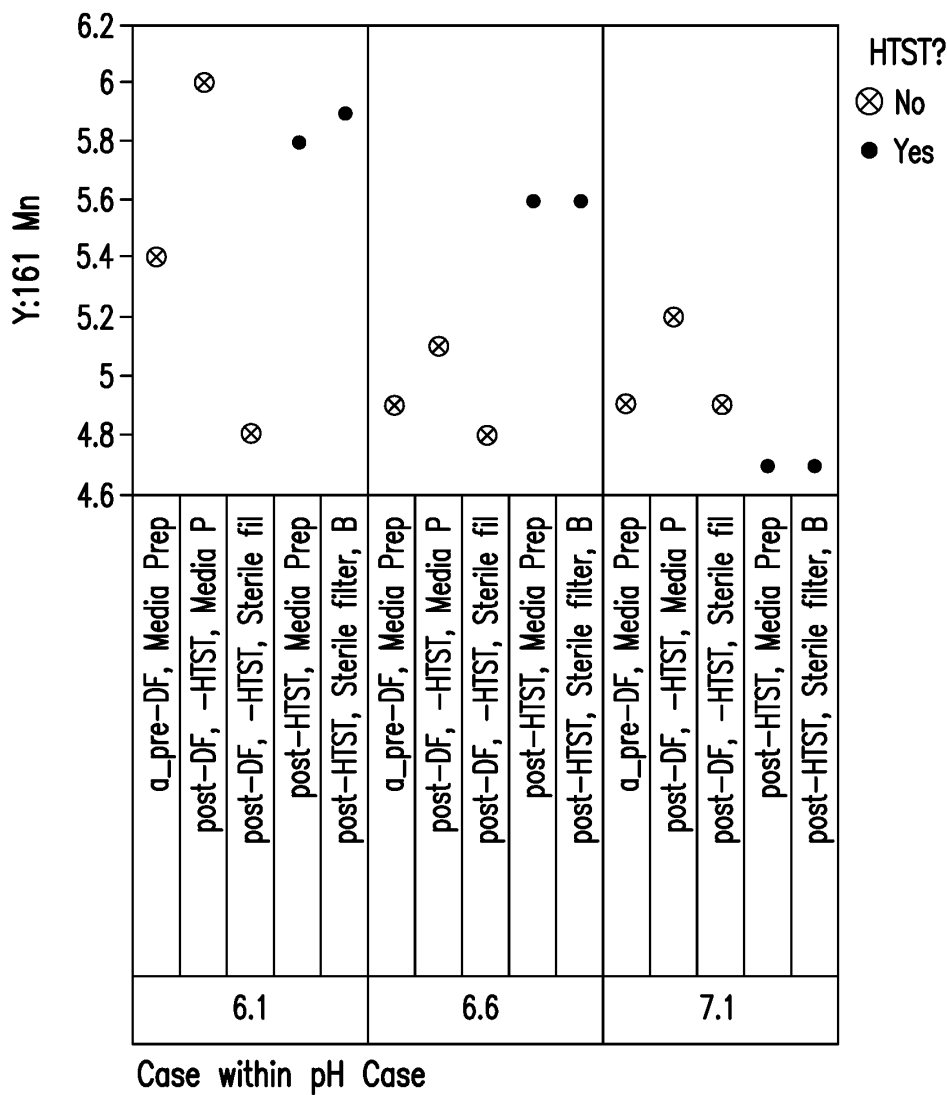


FIG. 19B

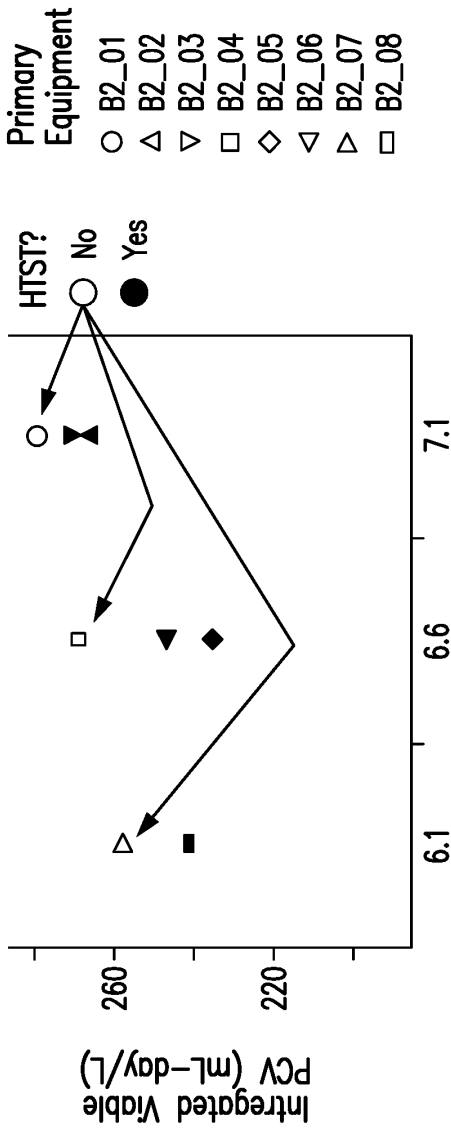
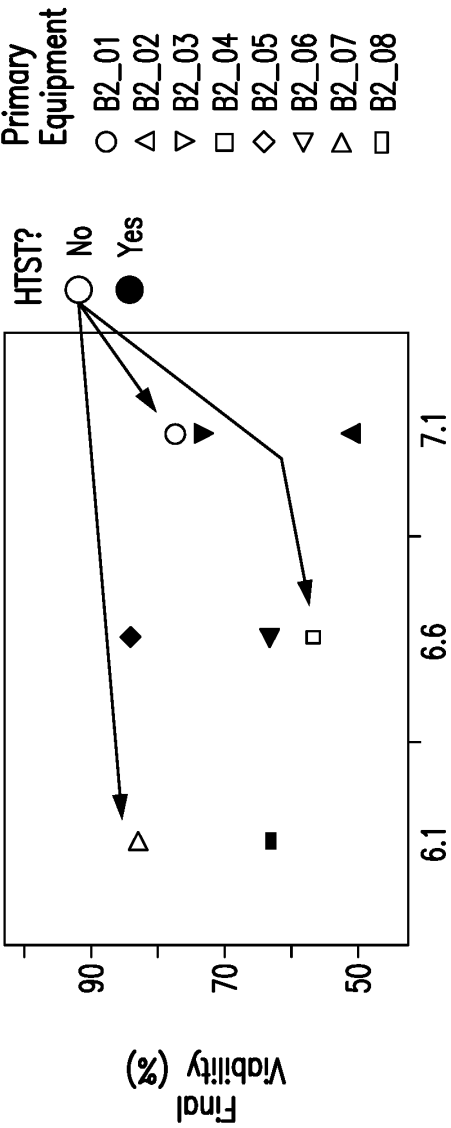


FIG. 19C

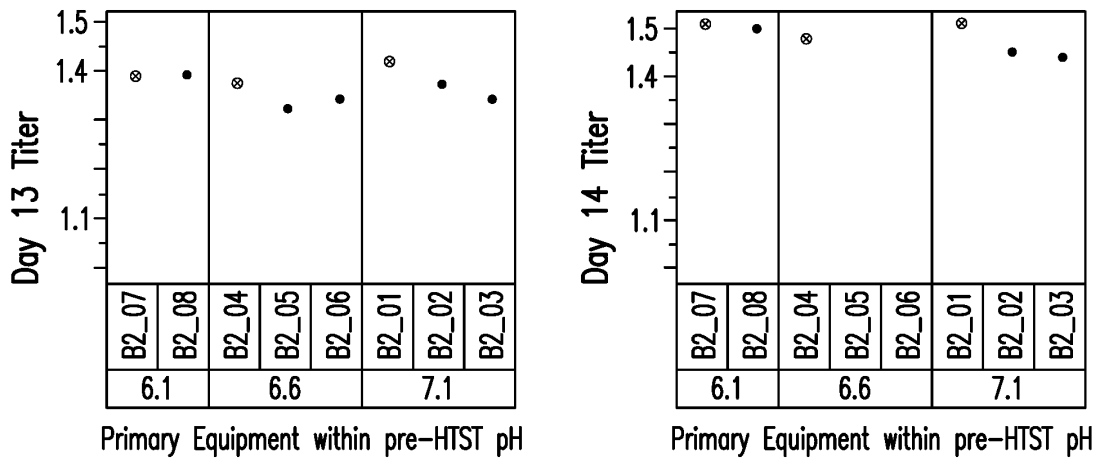


FIG. 19D

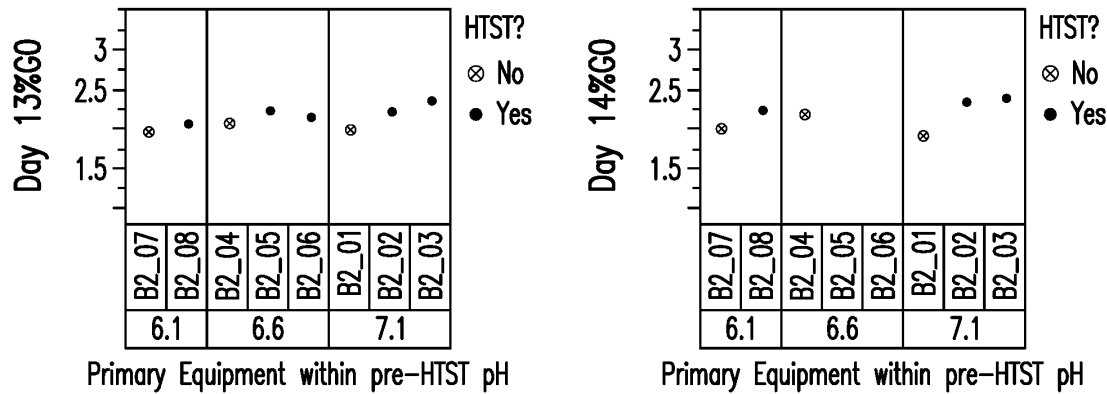


FIG. 19E

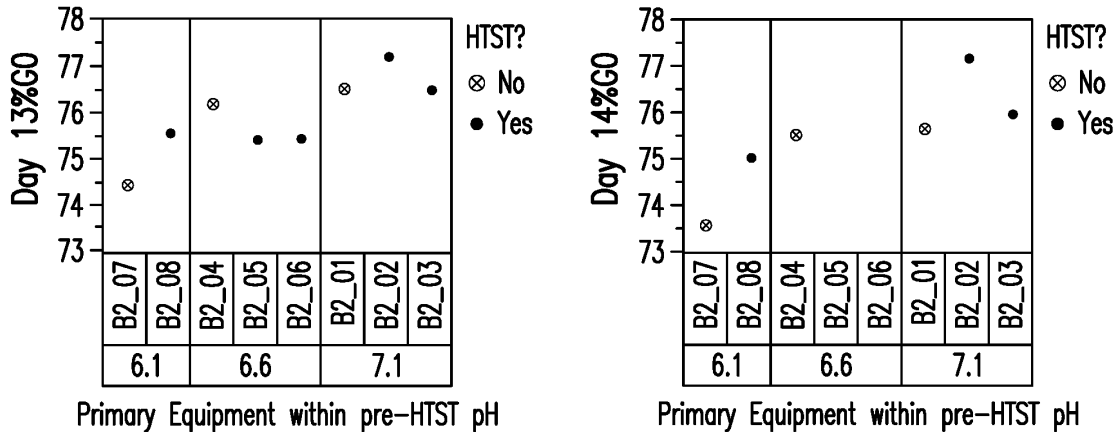


FIG. 19F

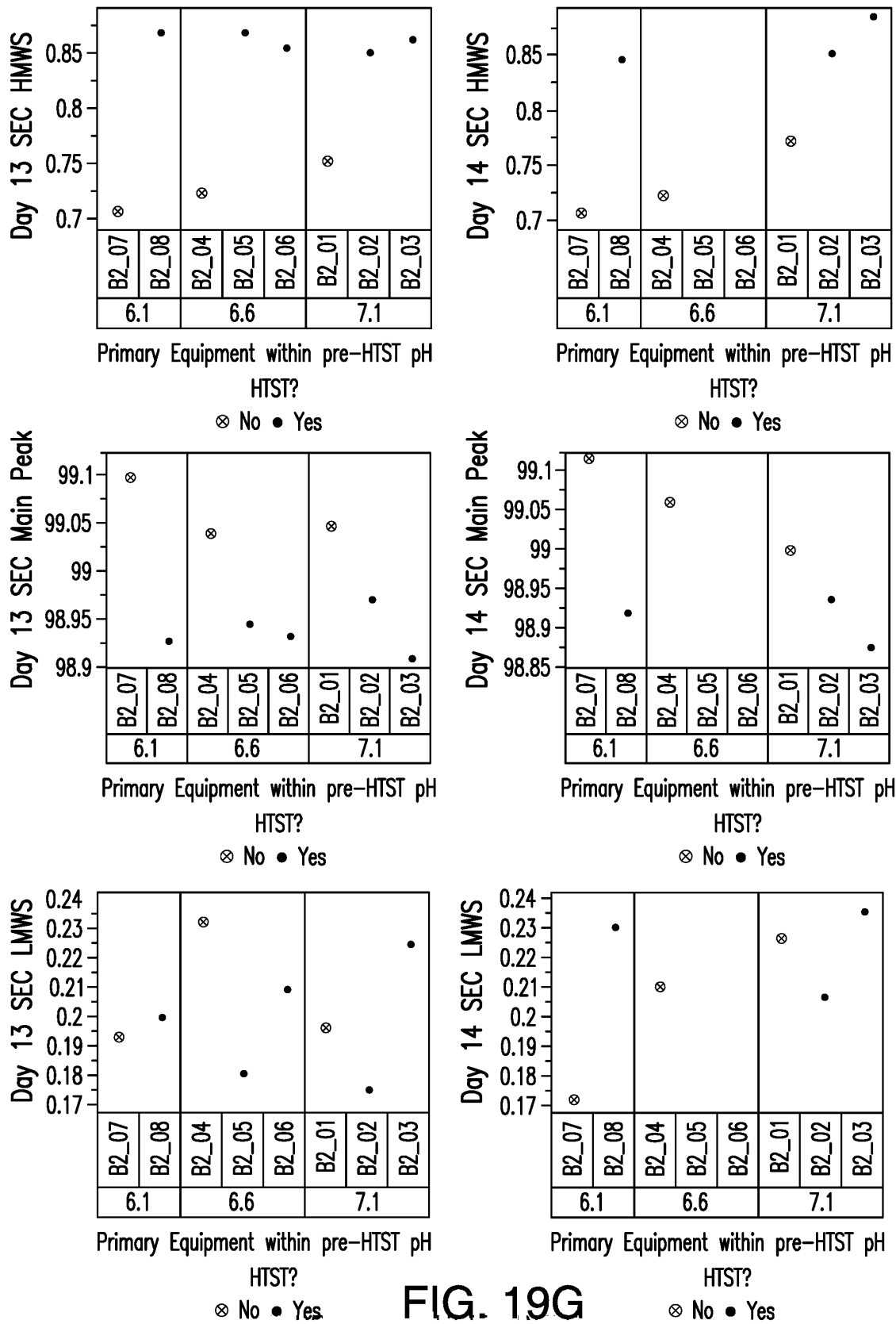


FIG. 19G

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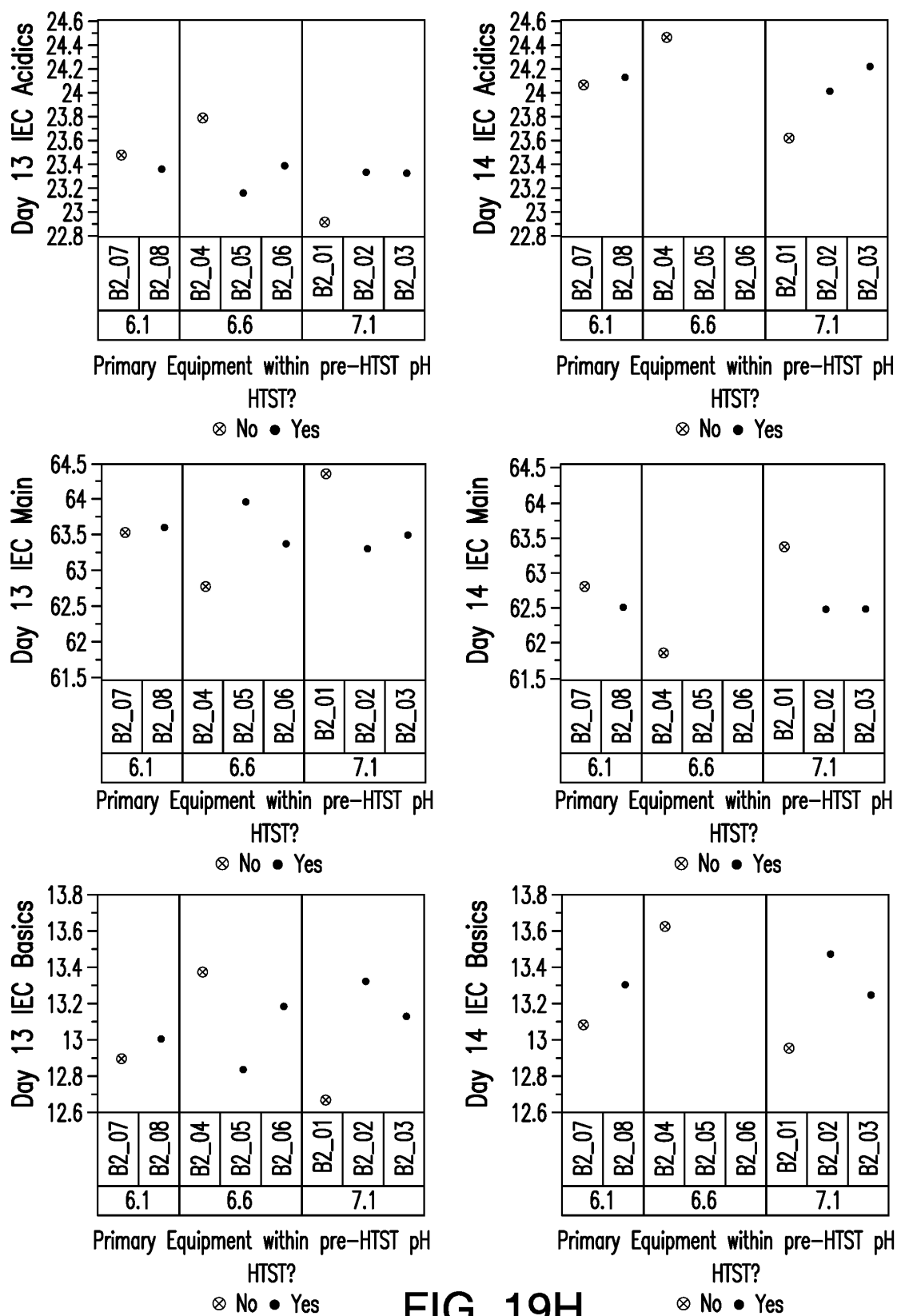


FIG. 19H

SUBSTITUTE SHEET (RULE 26)

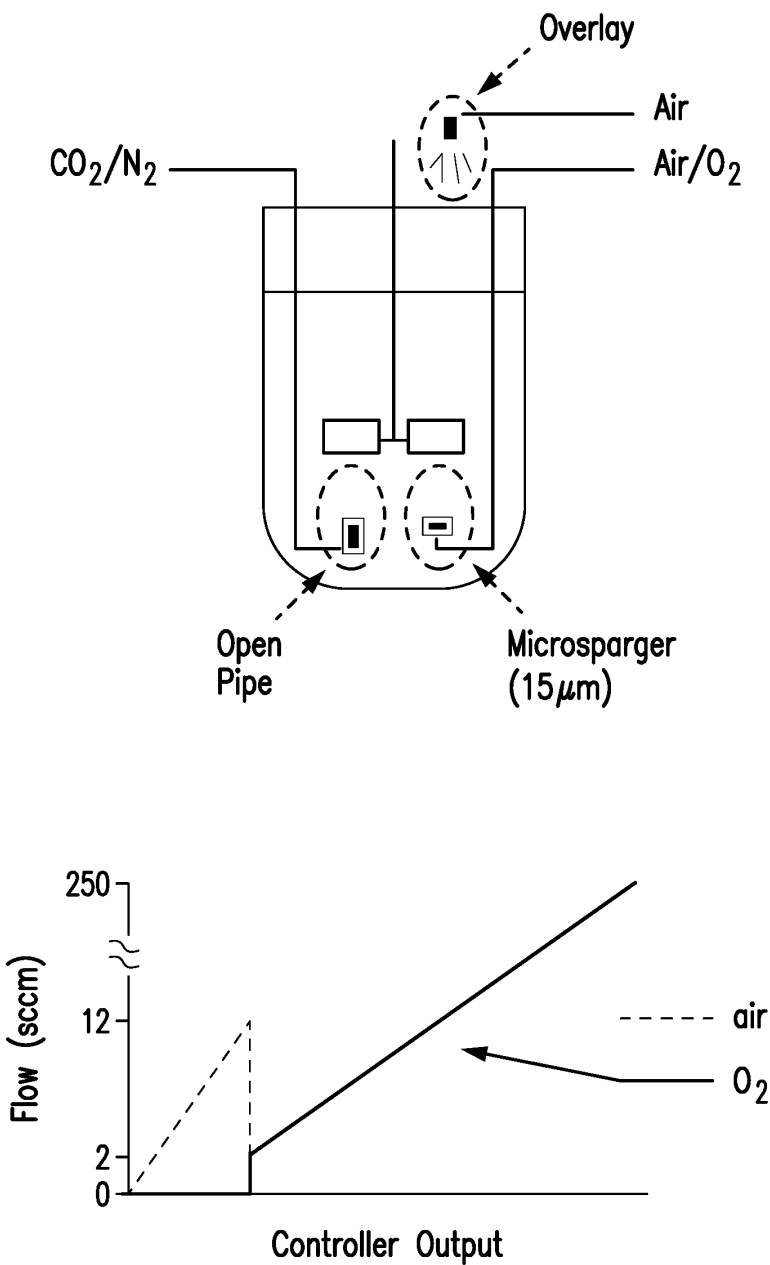


FIG. 20A

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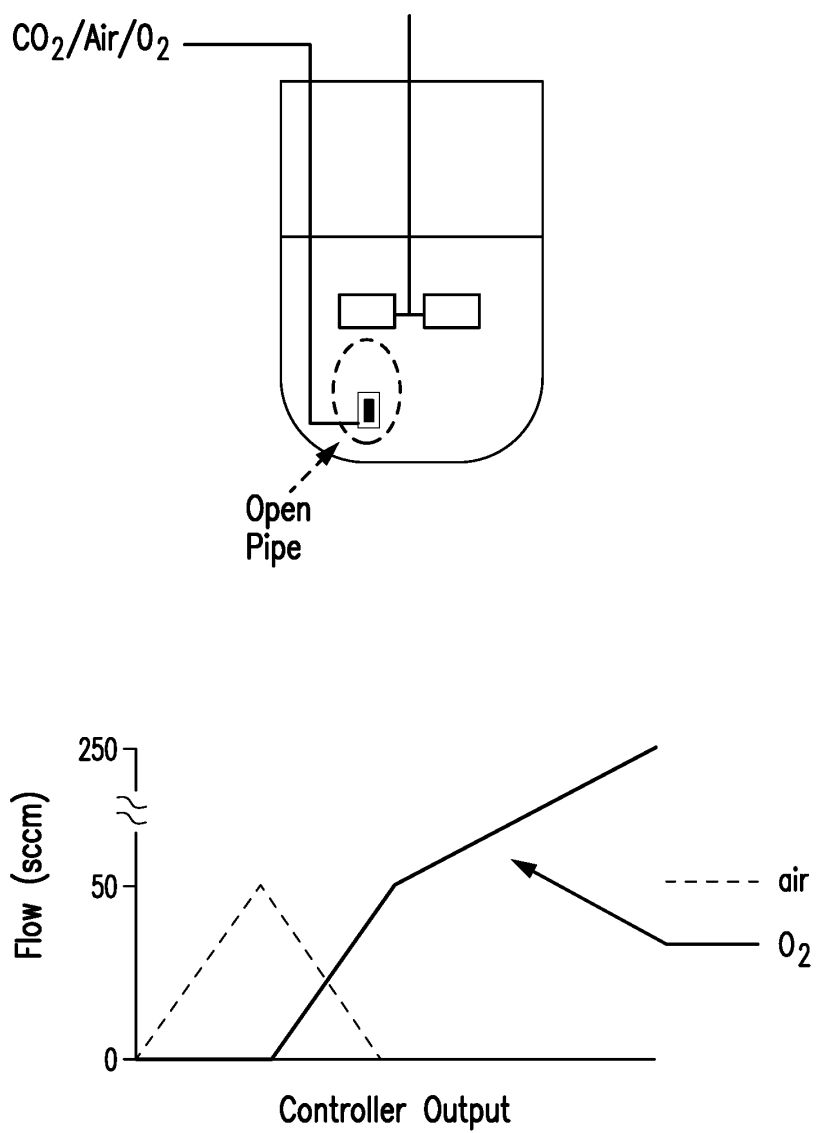


FIG. 20B

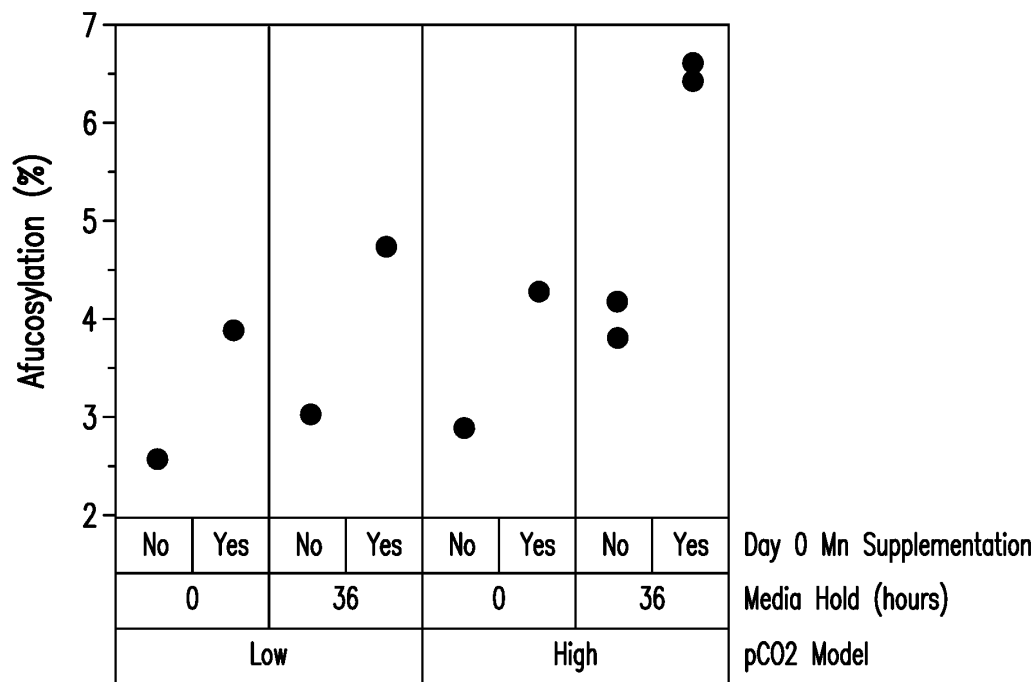


FIG. 21A

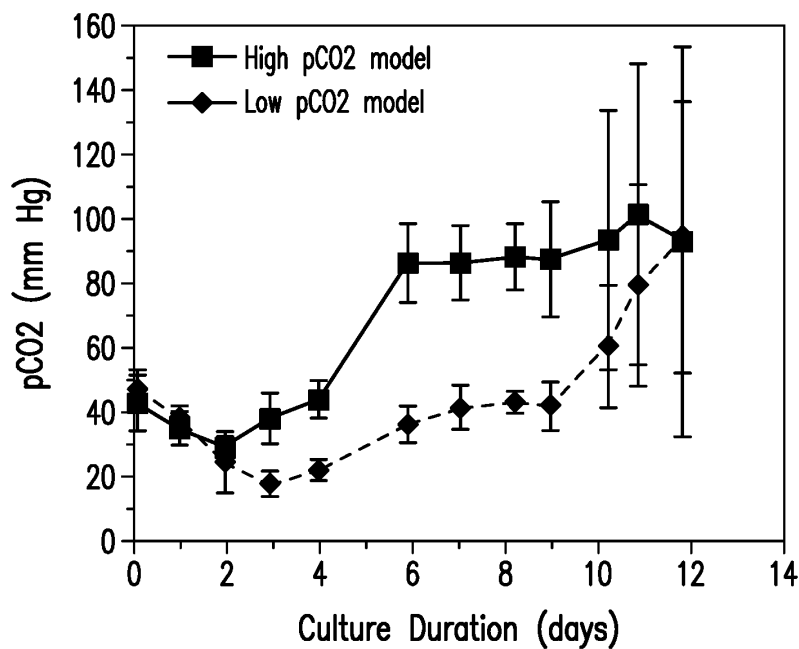
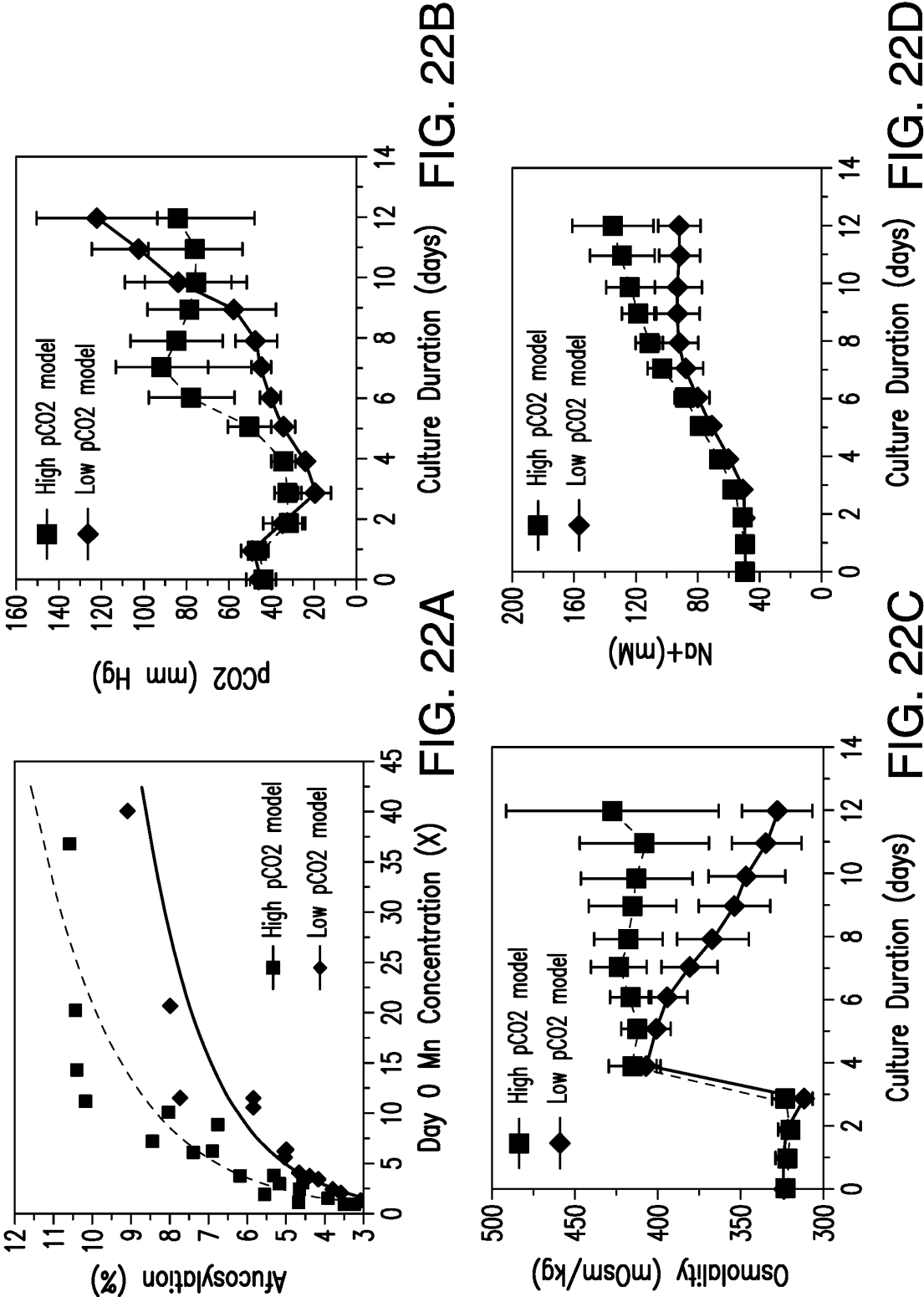


FIG. 21B



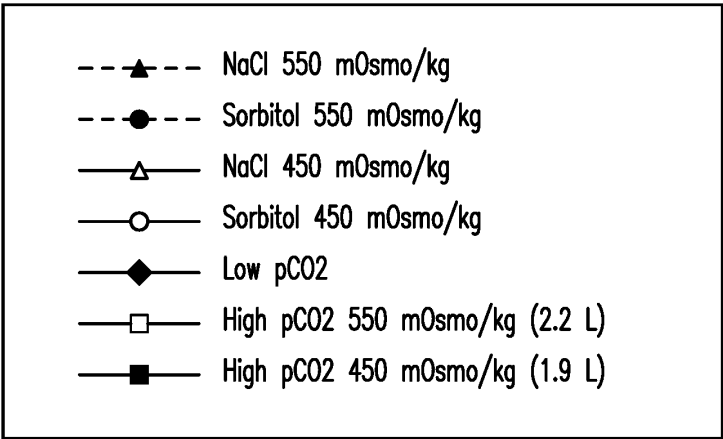
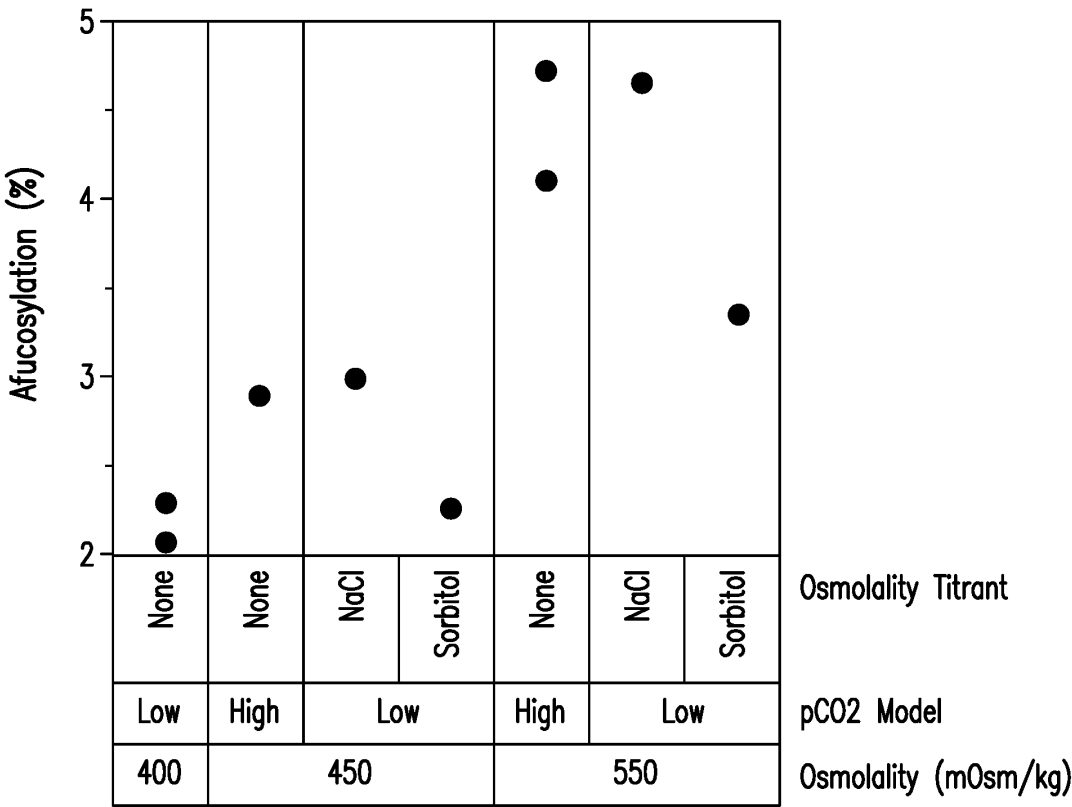


FIG. 23A

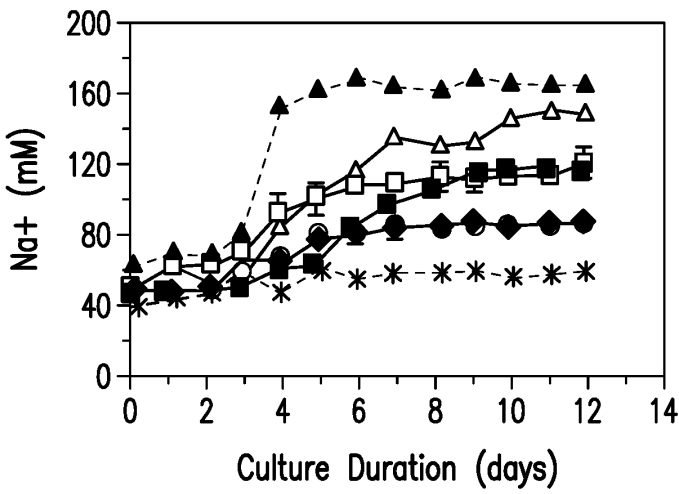


FIG. 23B

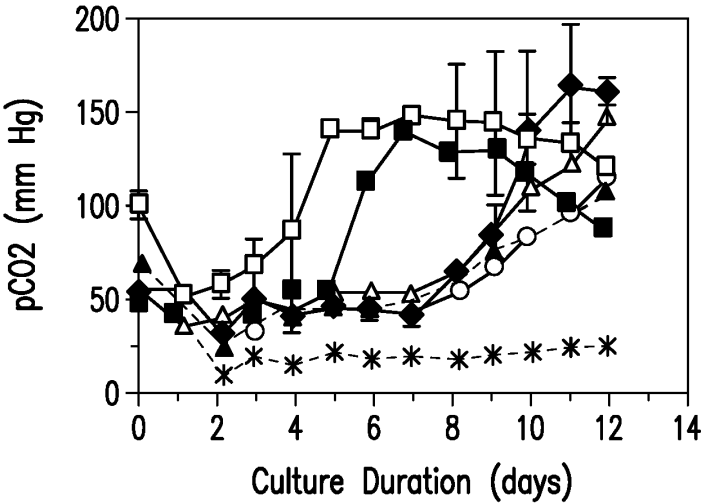


FIG. 23C

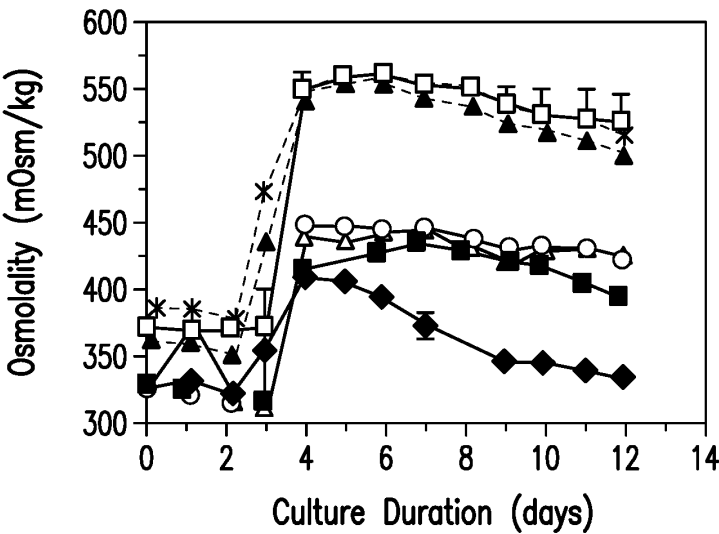


FIG. 23D

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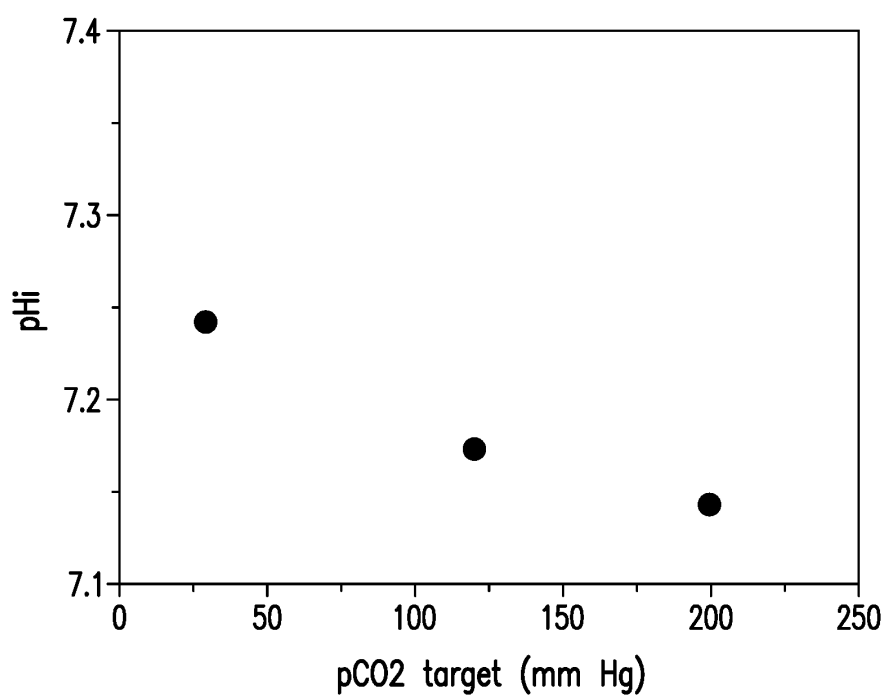


FIG. 24A

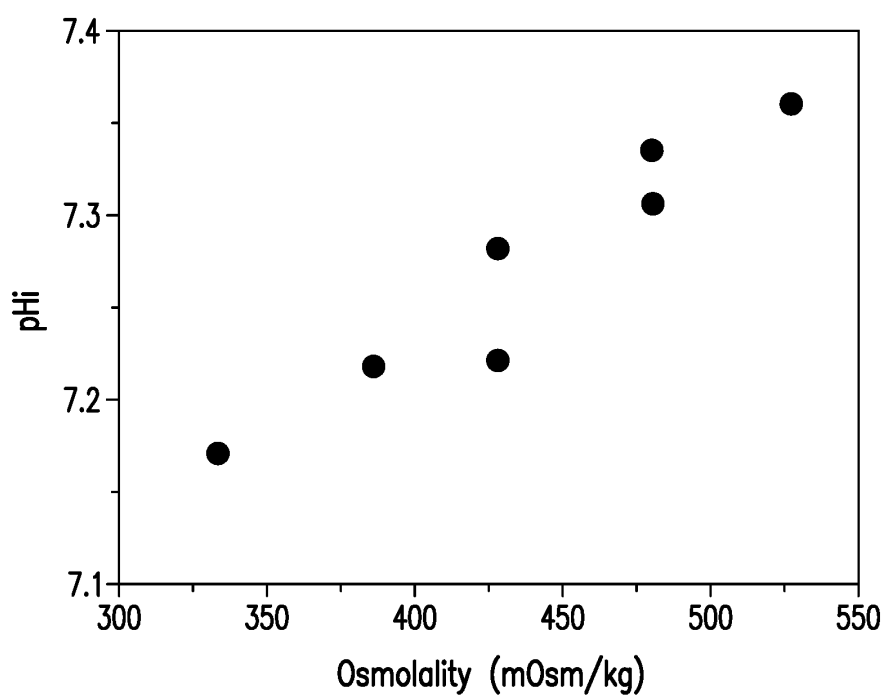


FIG. 24B

SUBSTITUTE SHEET (RULE 26)

Case	pCO ₂ Model	Day 0 Mn Supplementation	Media Hold (MH)
i	Low	No	0 h
ii	Low	Yes	0 h
iii	Low	Yes	36 h
iv	High	Yes	36 h

FIG. 25A

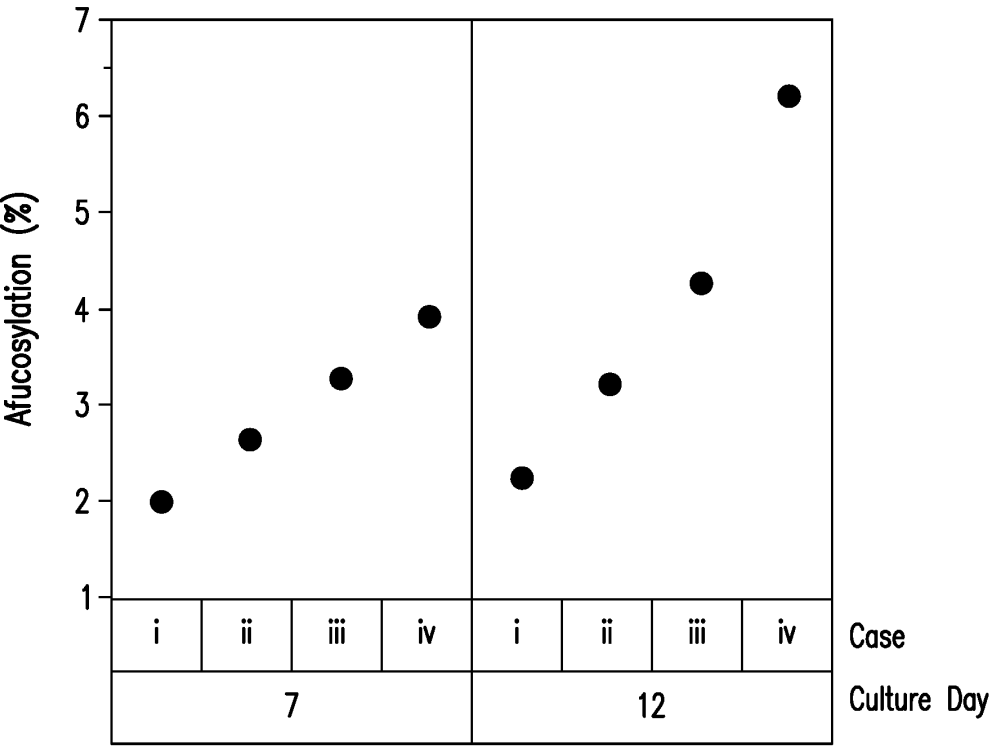


FIG. 25B

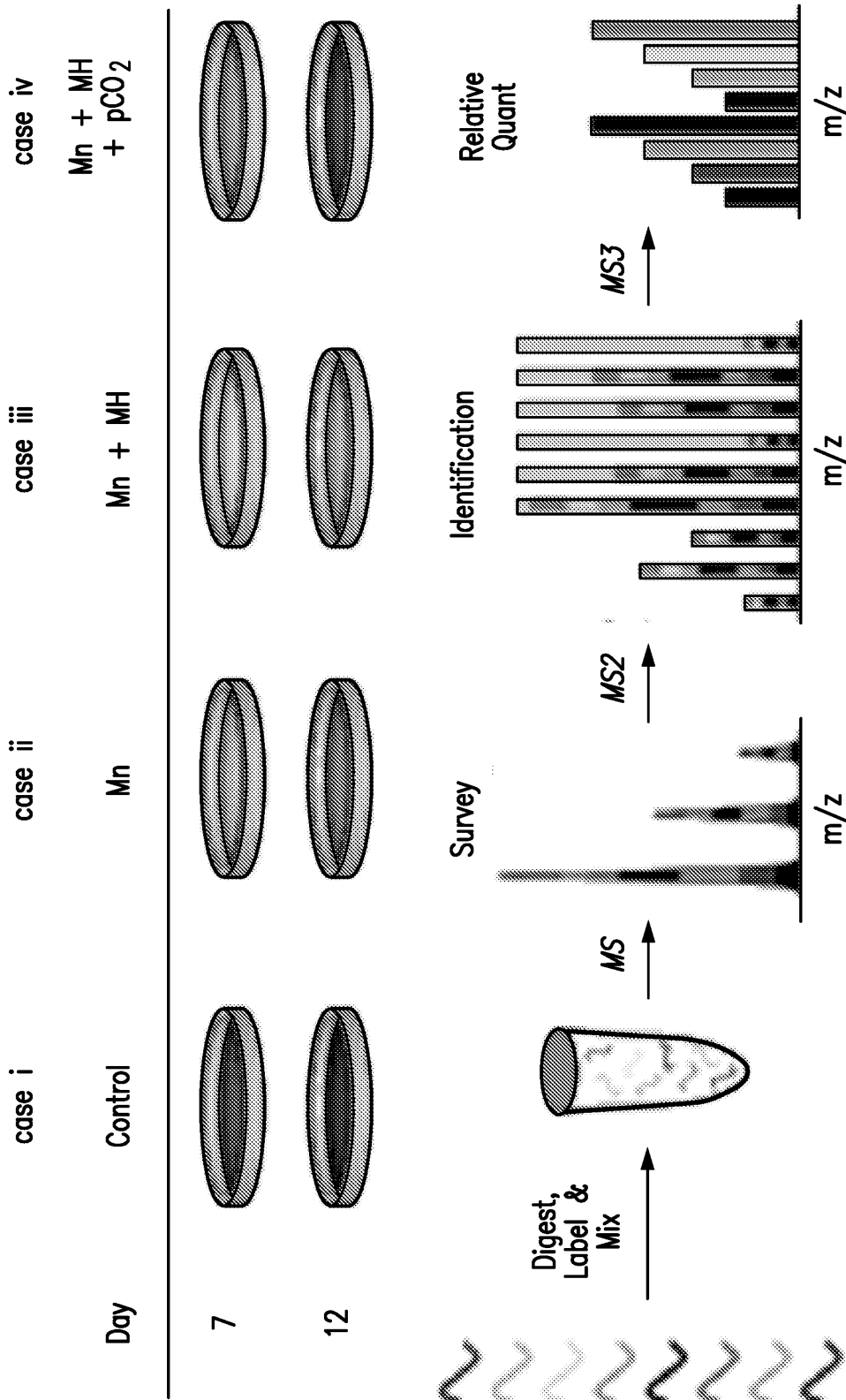


FIG. 26A

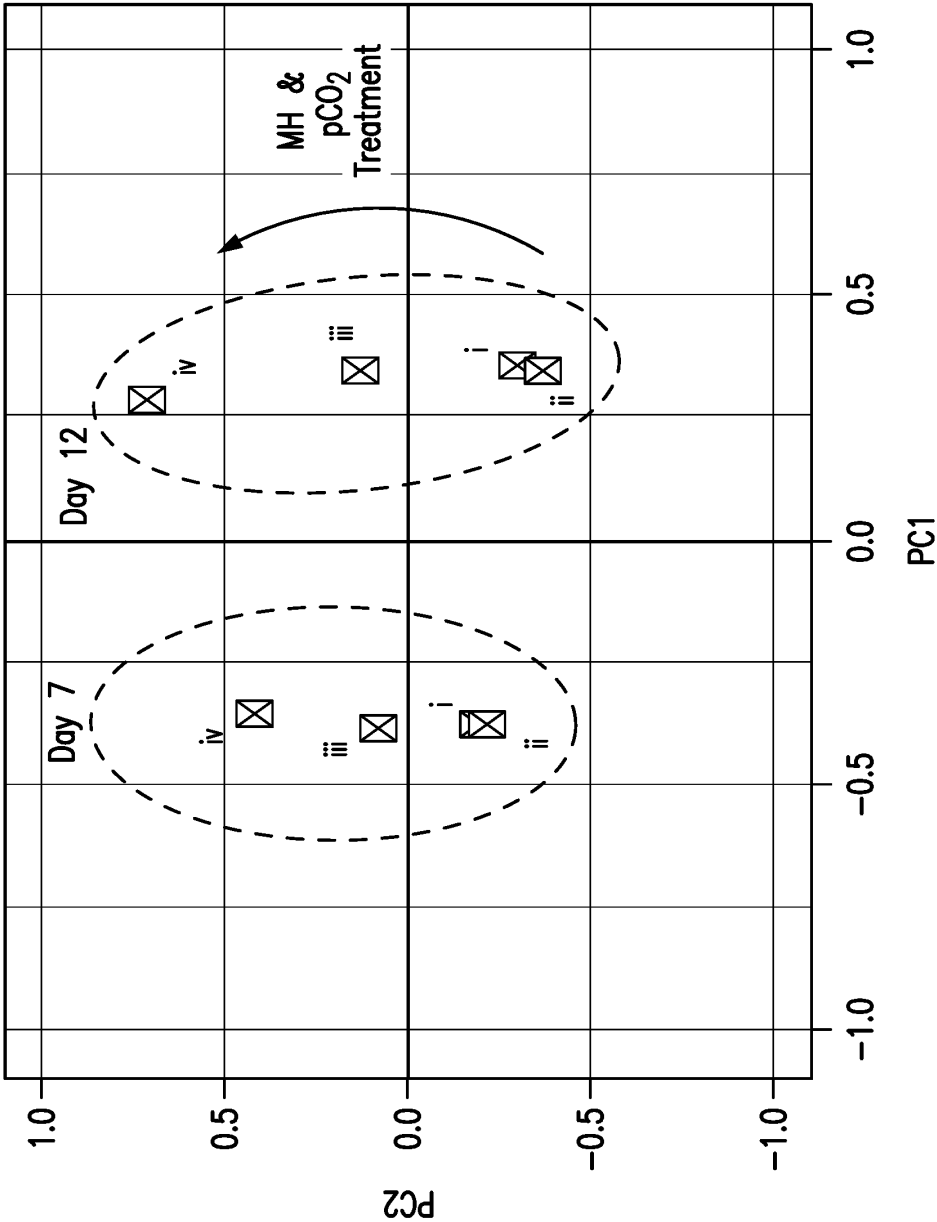


FIG. 26B

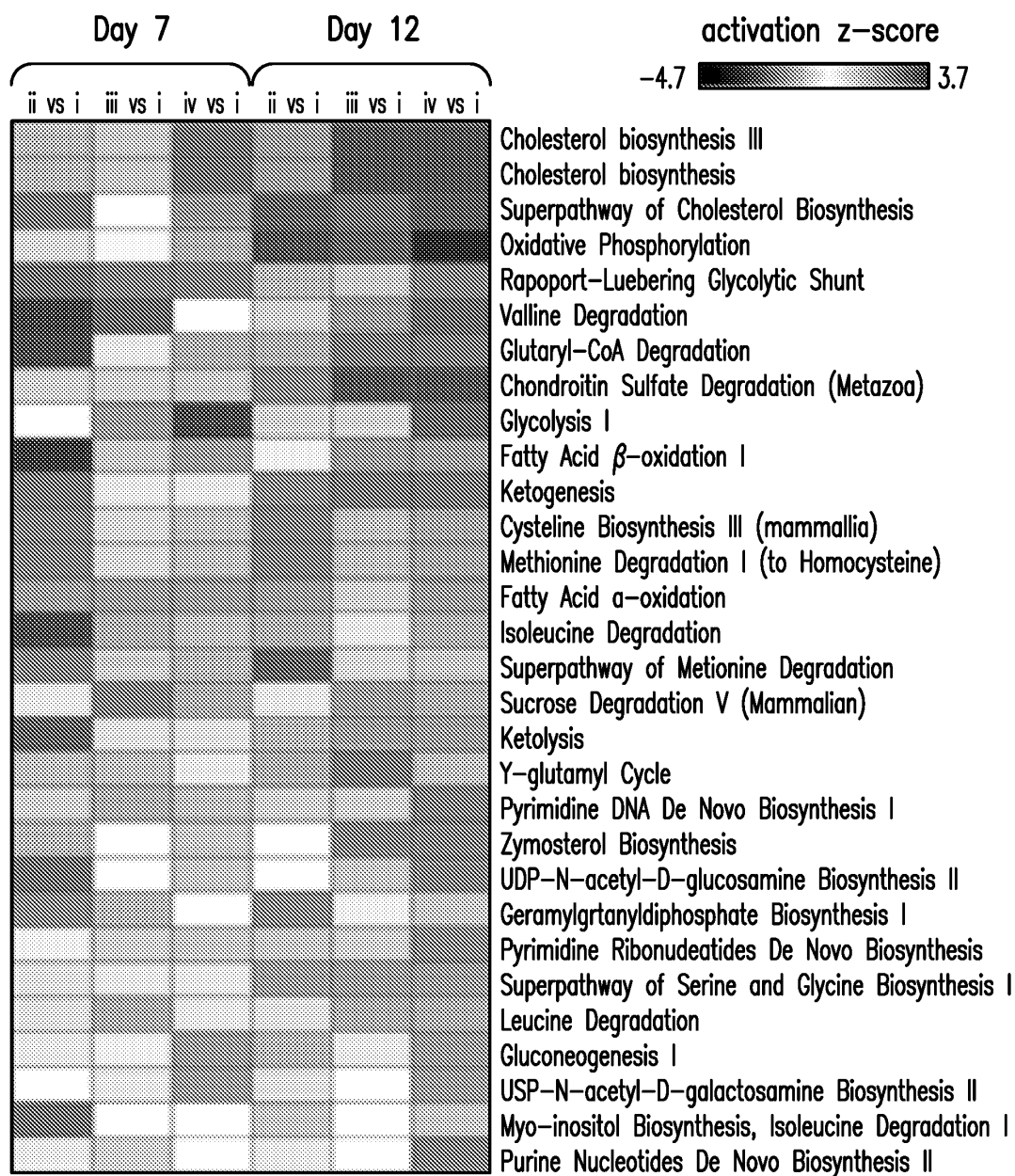


FIG. 26C

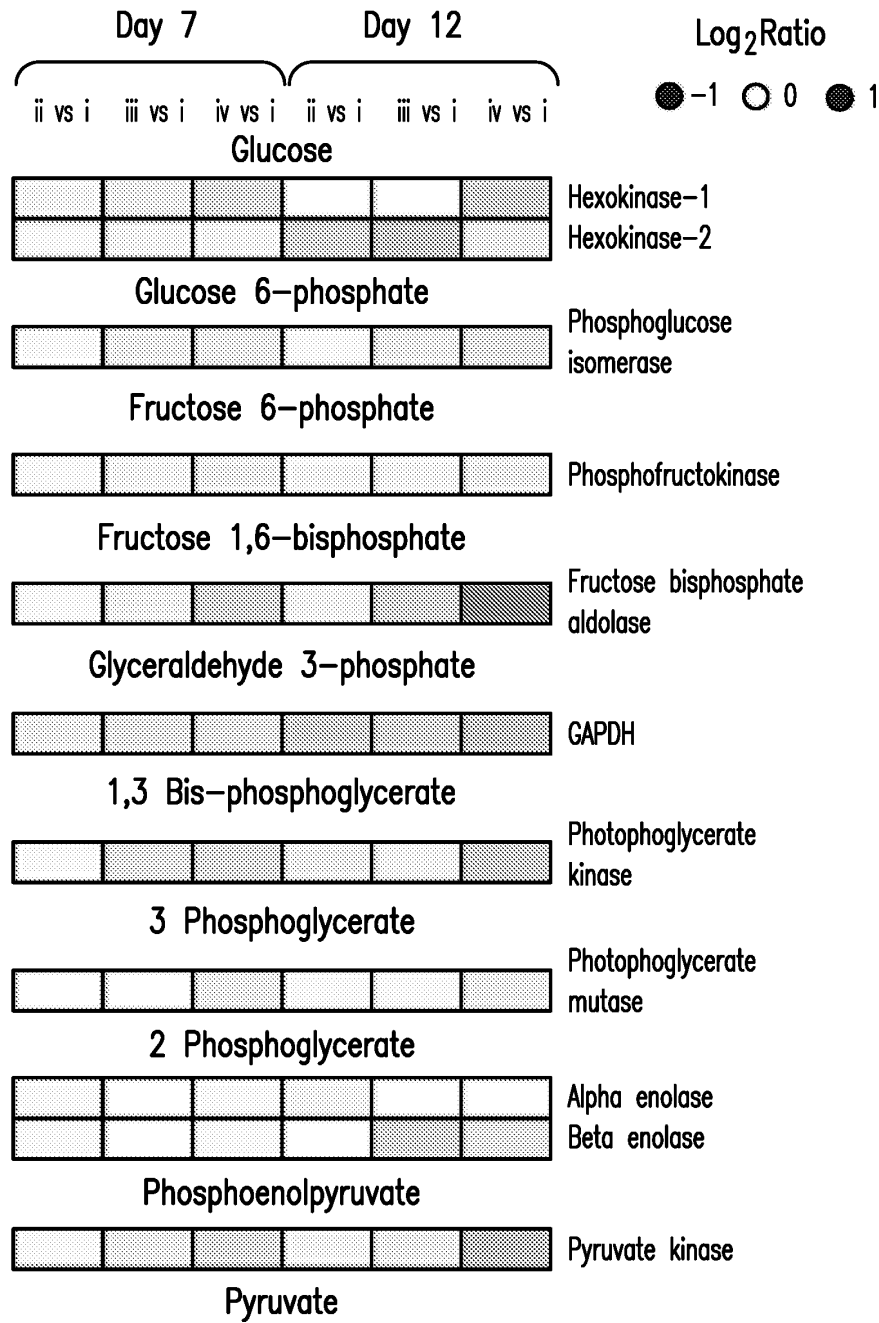


FIG. 26D

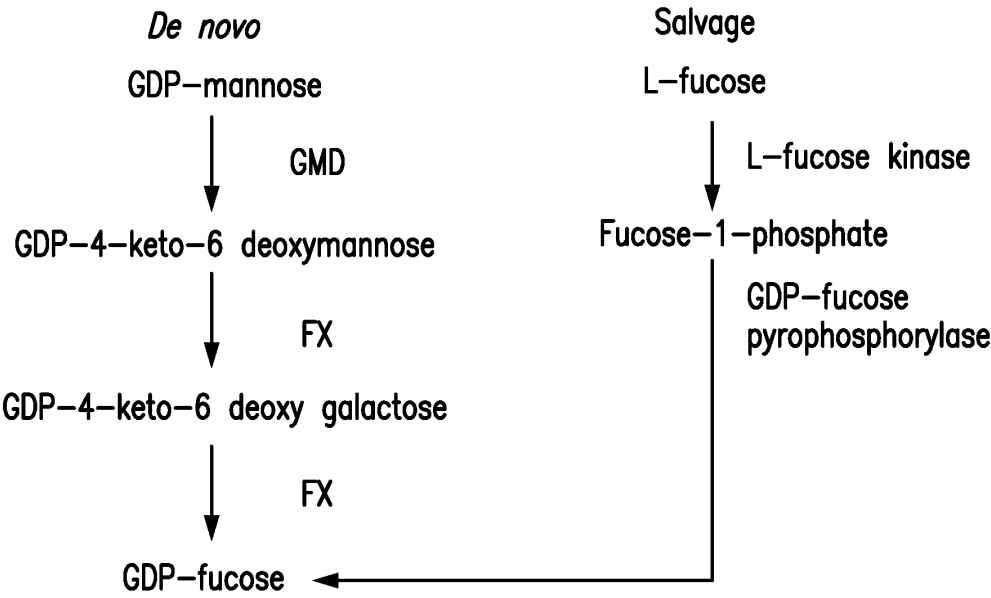


FIG. 27A

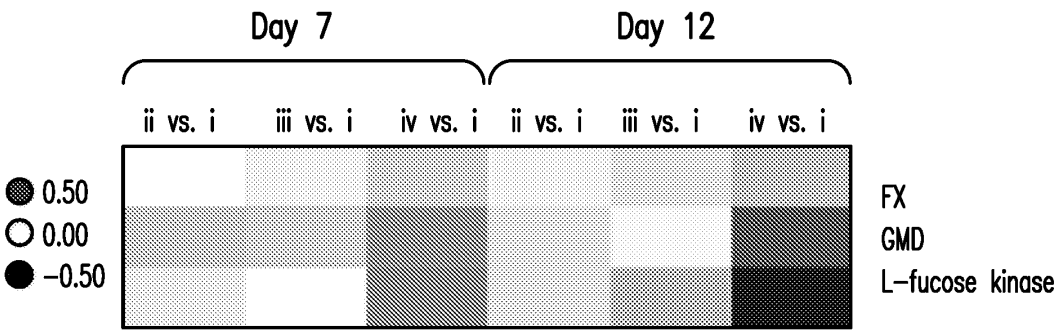


FIG. 27B

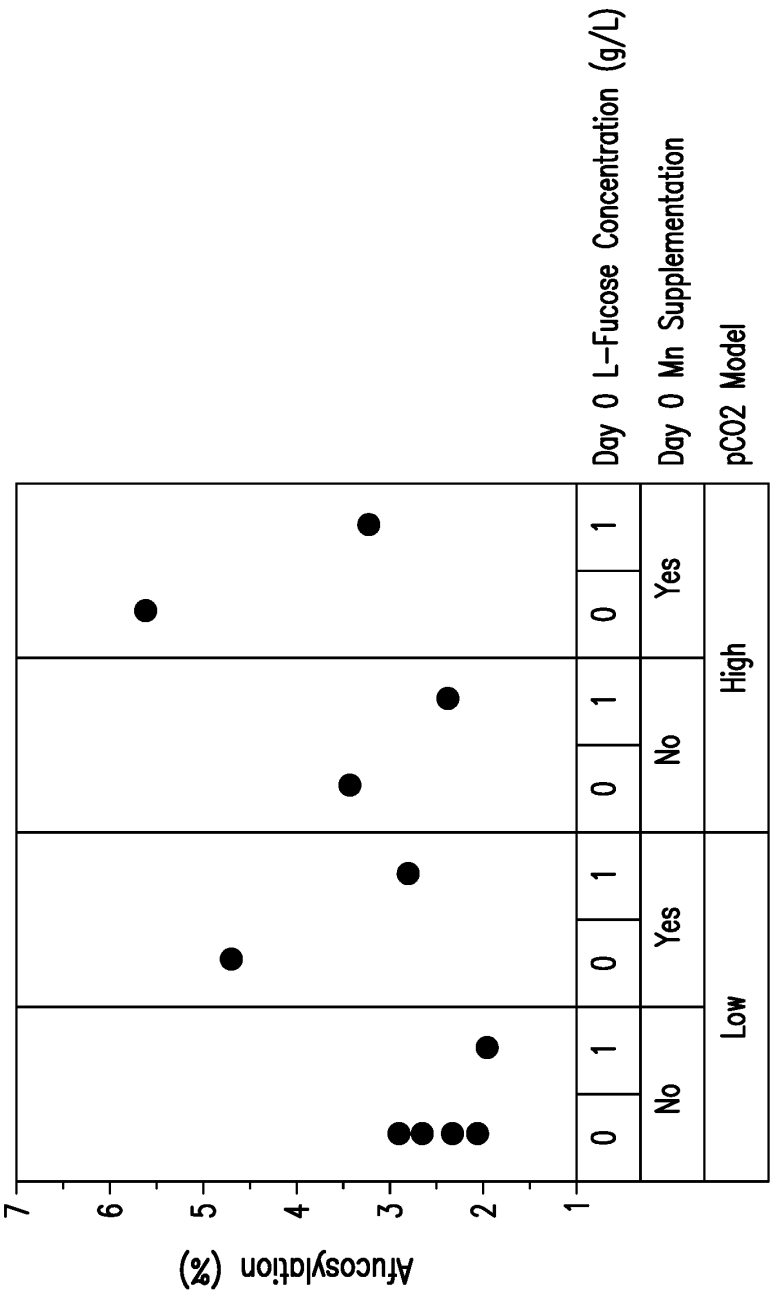


FIG. 27C

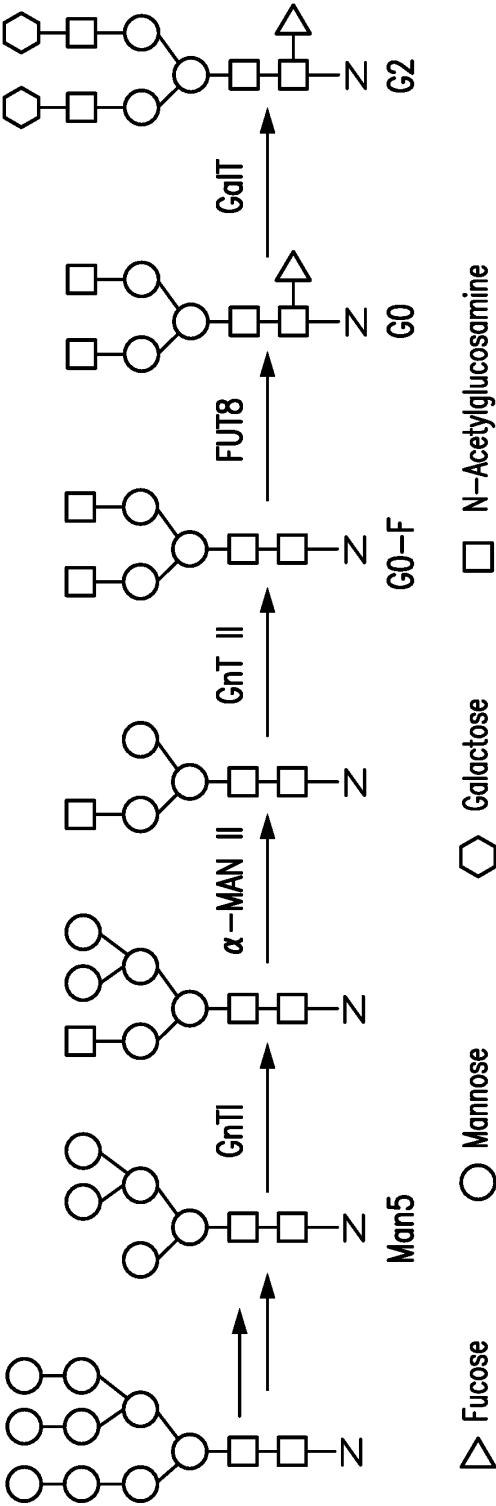


FIG. 28A

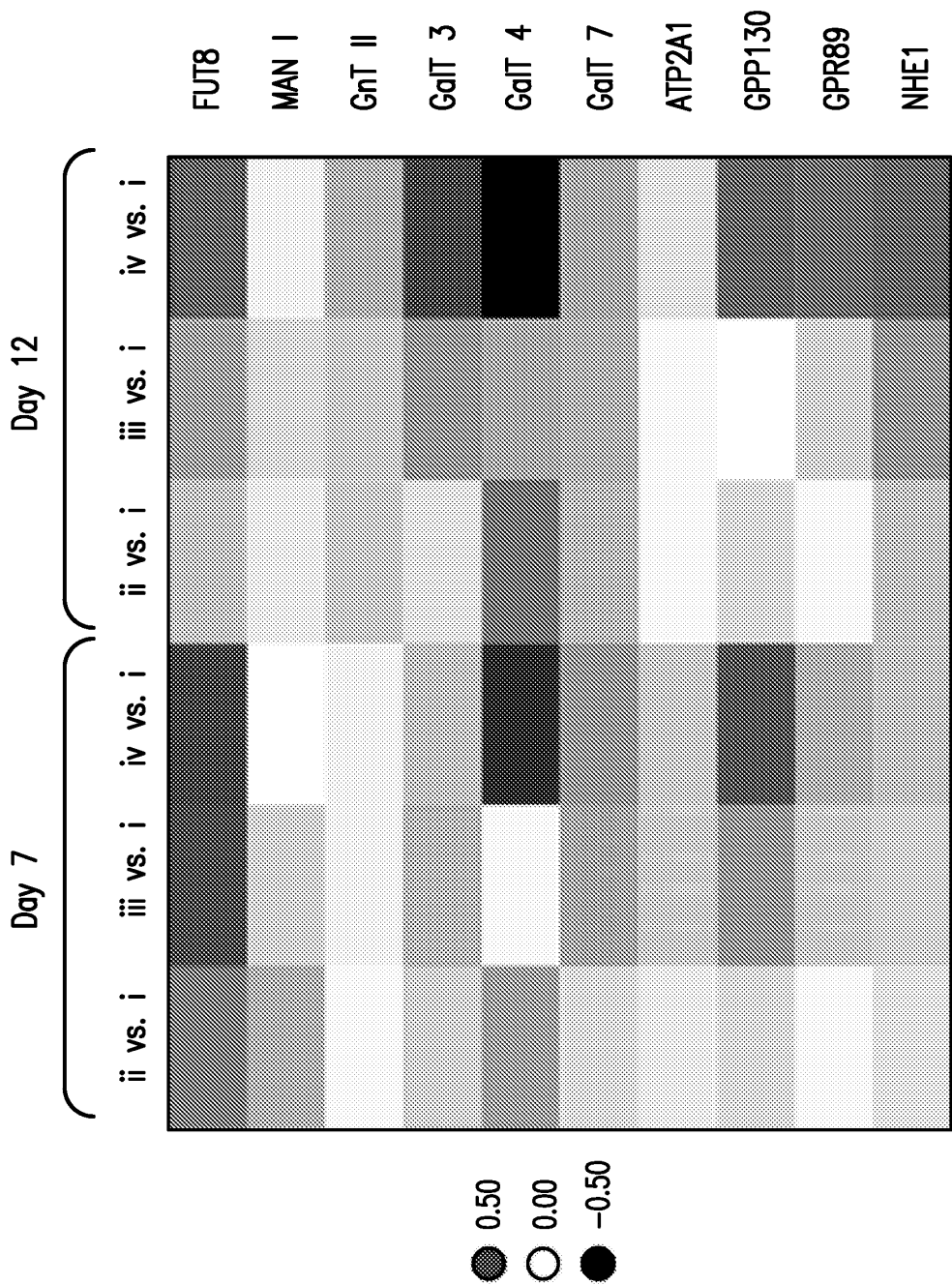


FIG. 28B

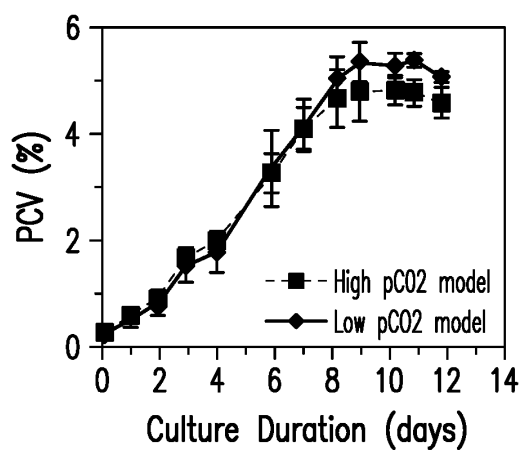


FIG. 29A

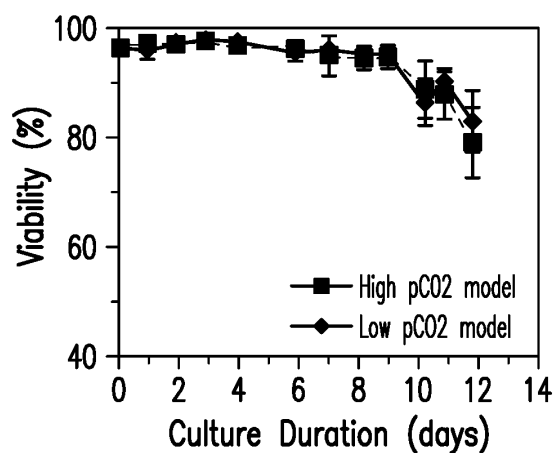


FIG. 29B

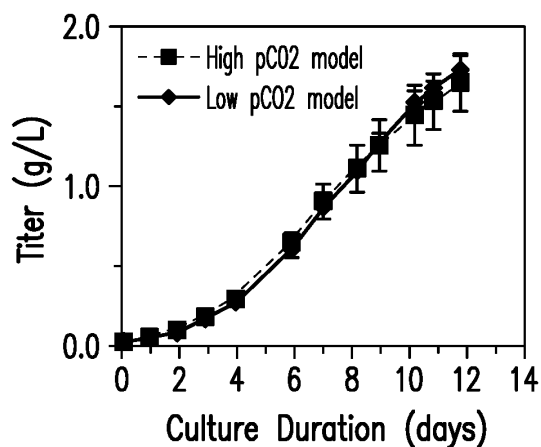


FIG. 29C

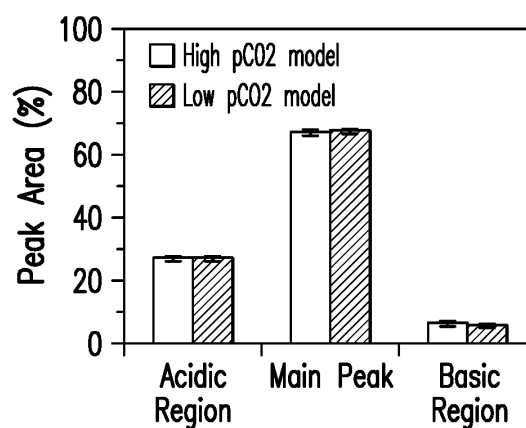


FIG. 29D

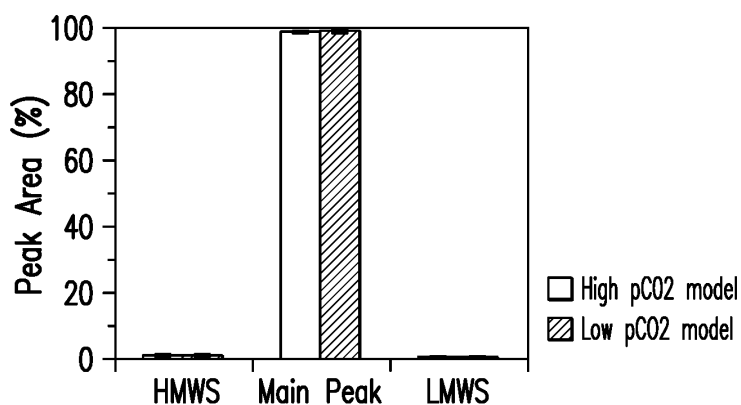


FIG. 29E

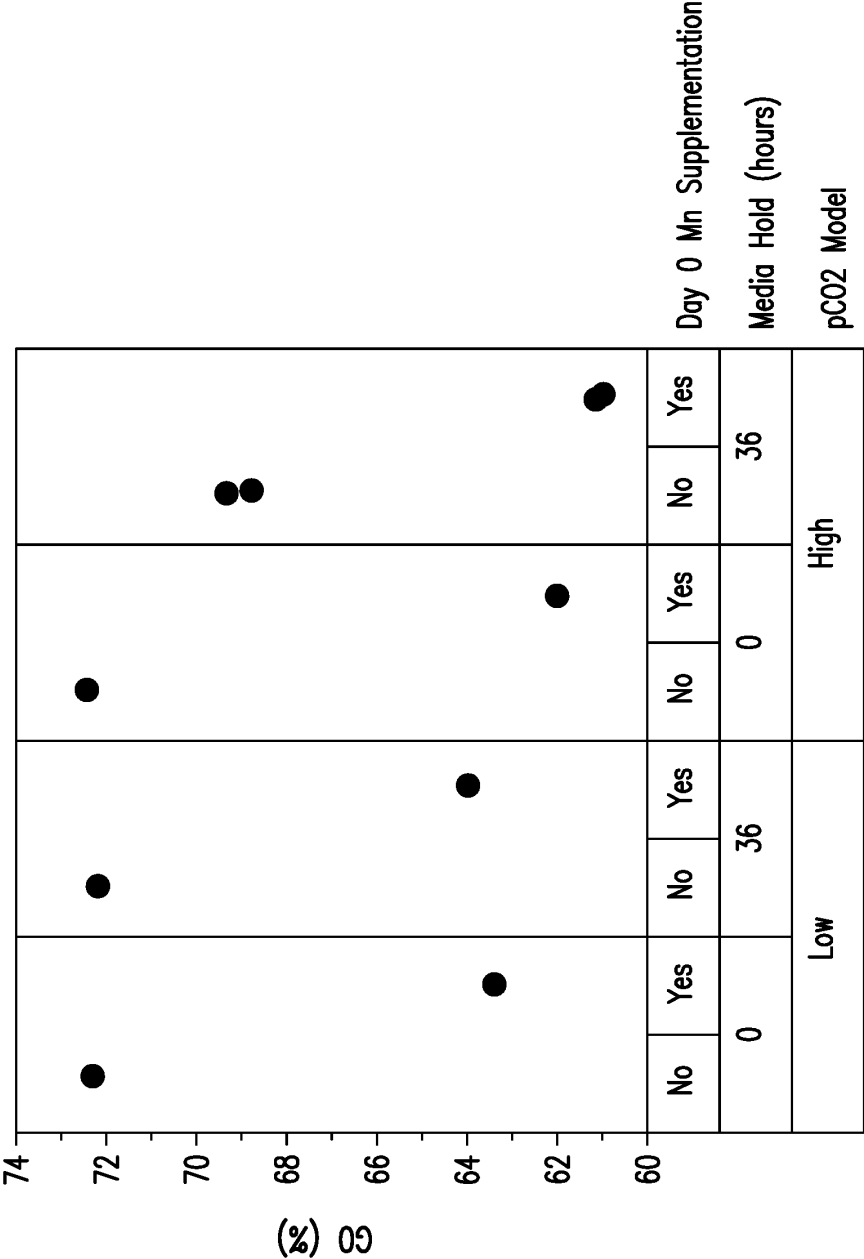
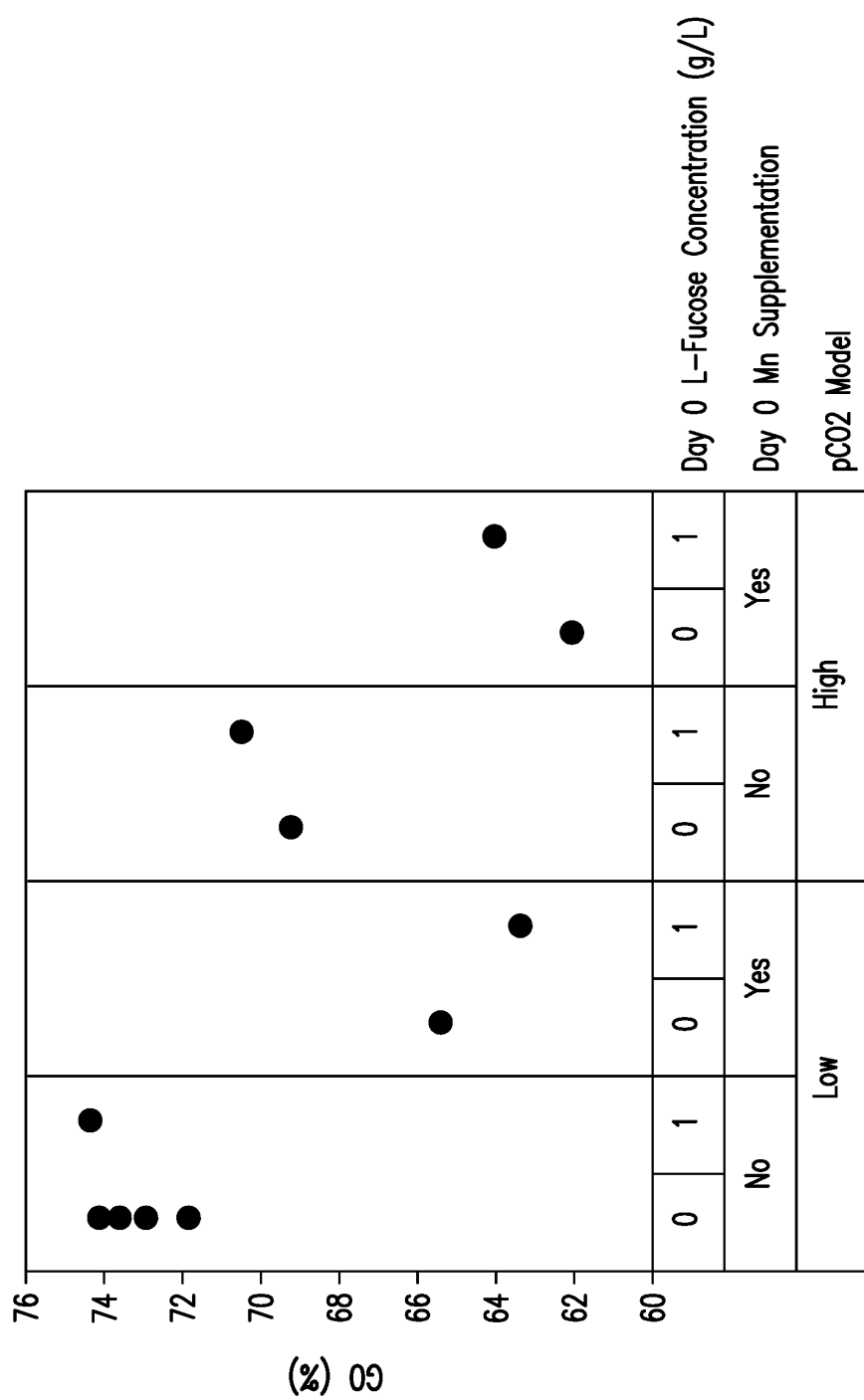


FIG. 30



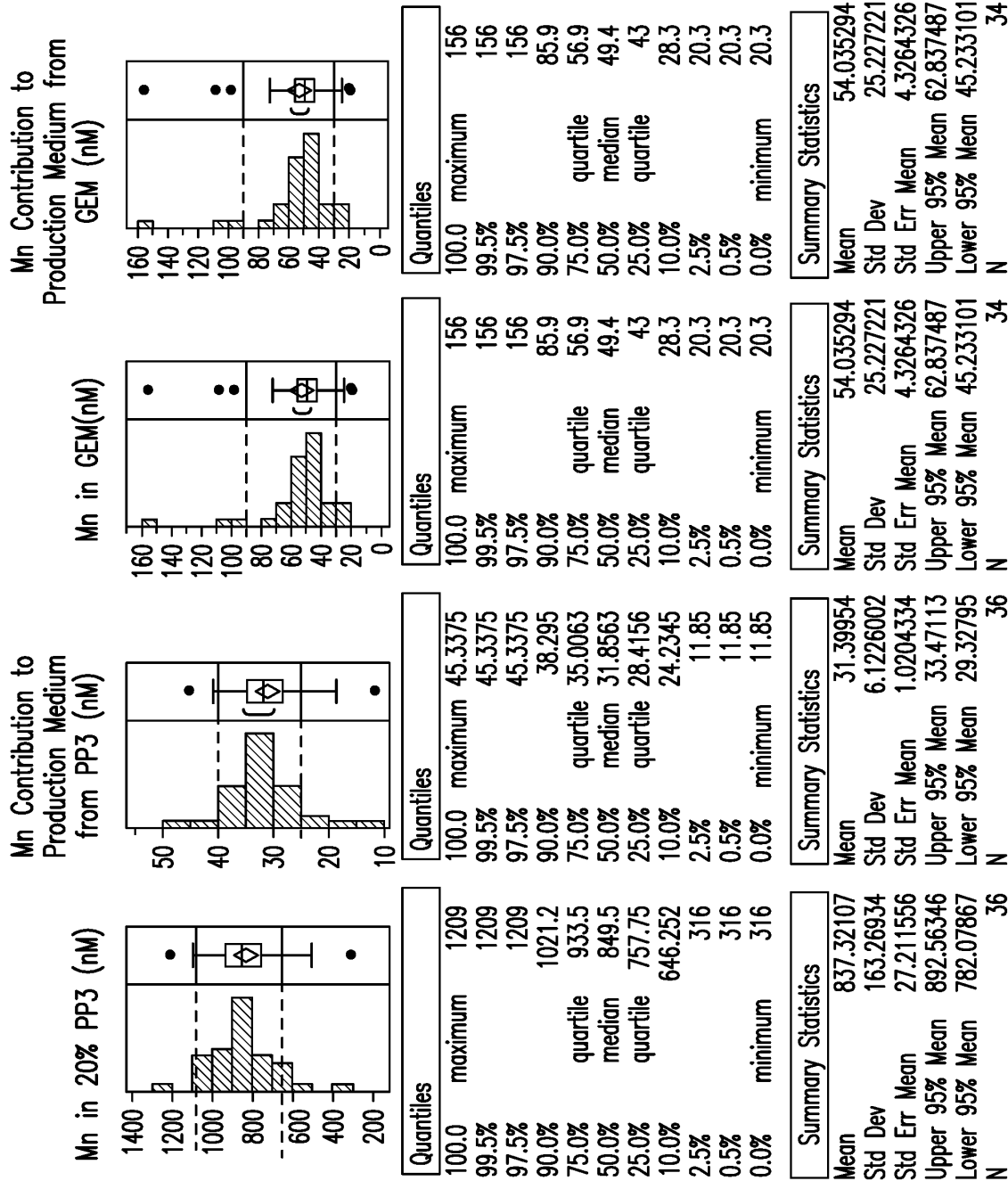


FIG. 32

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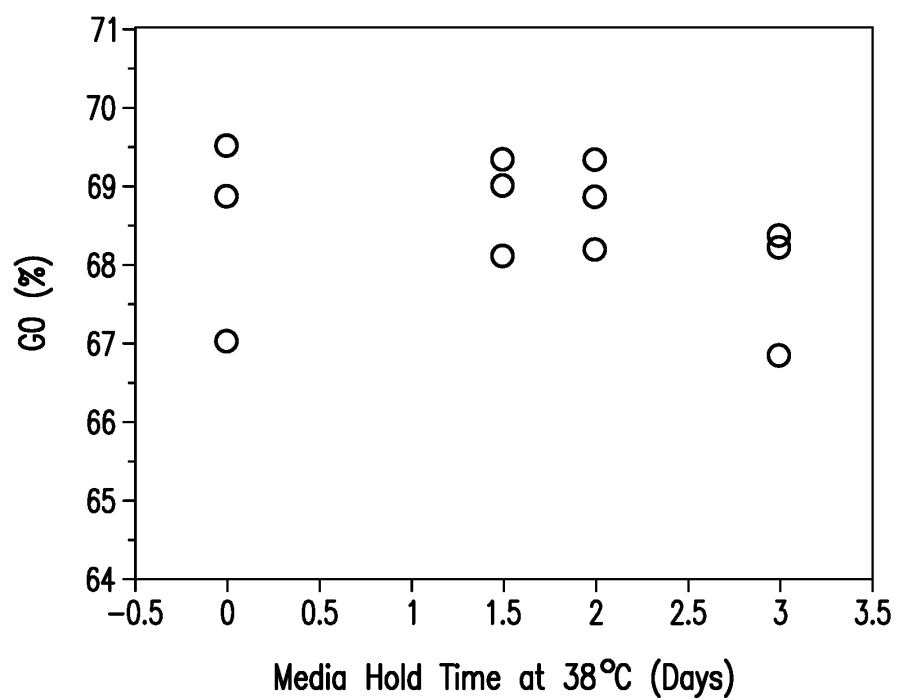


FIG. 33A

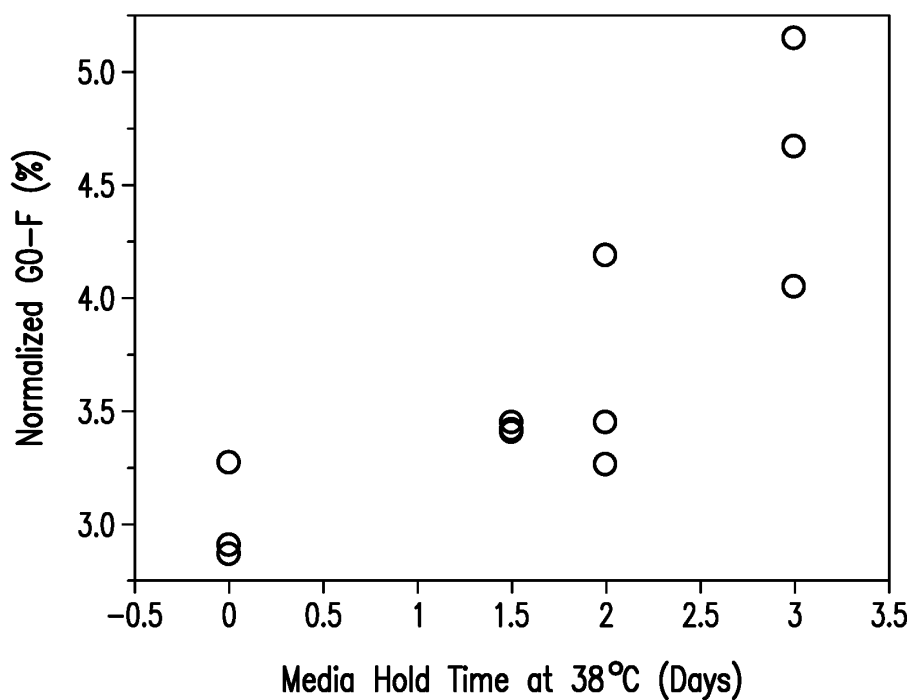


FIG. 33B

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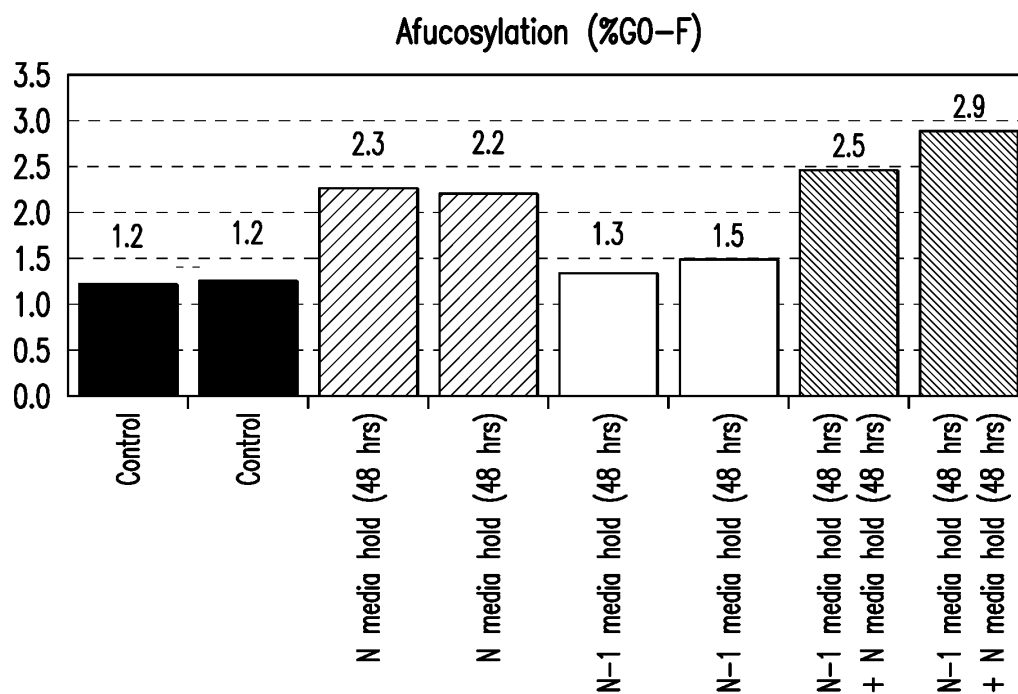


FIG. 33C

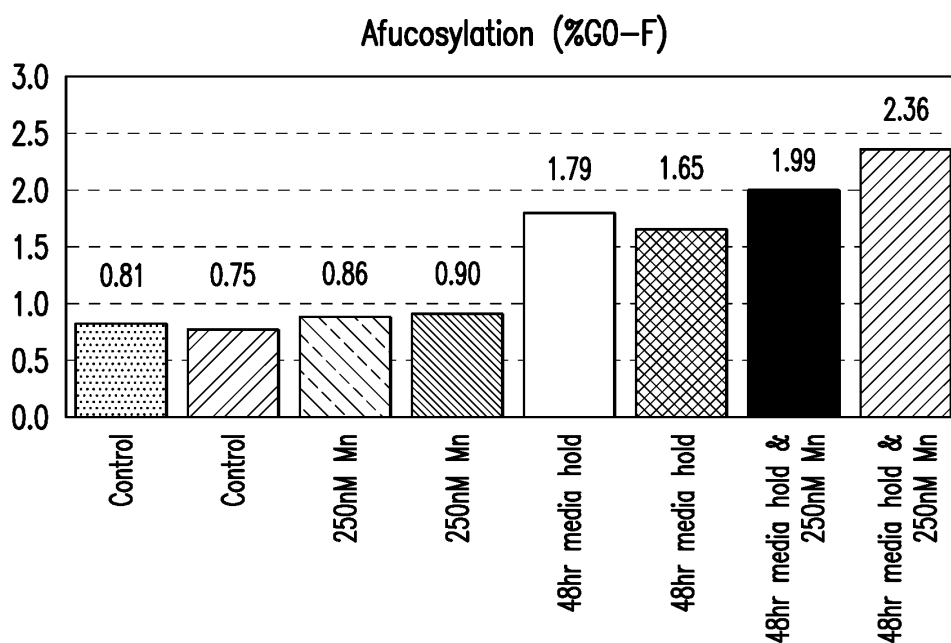


FIG. 33D

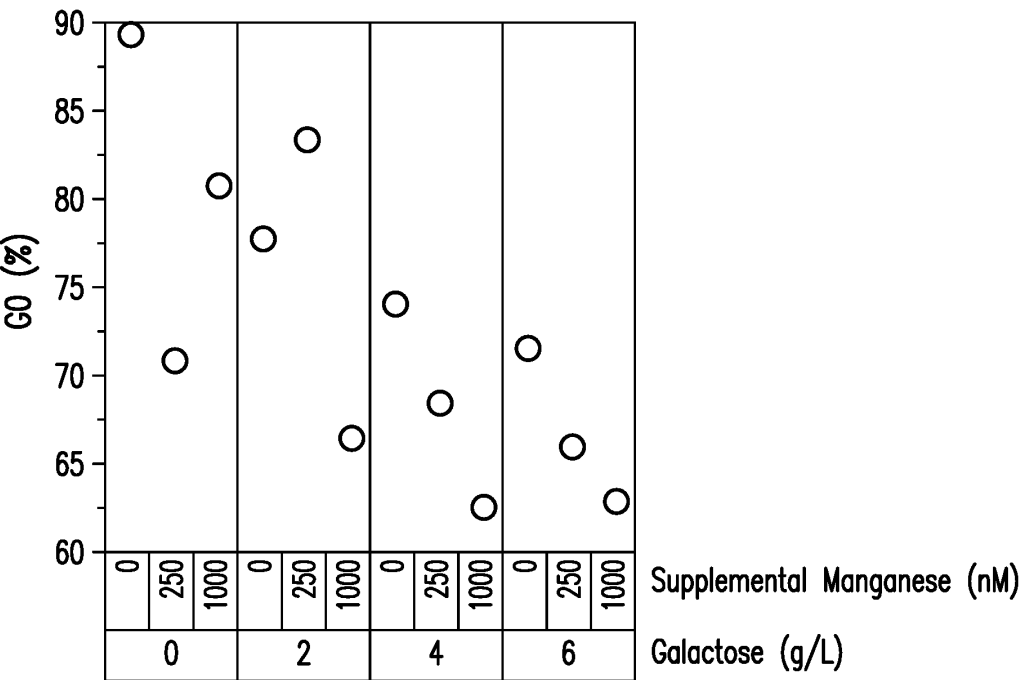


FIG. 34A

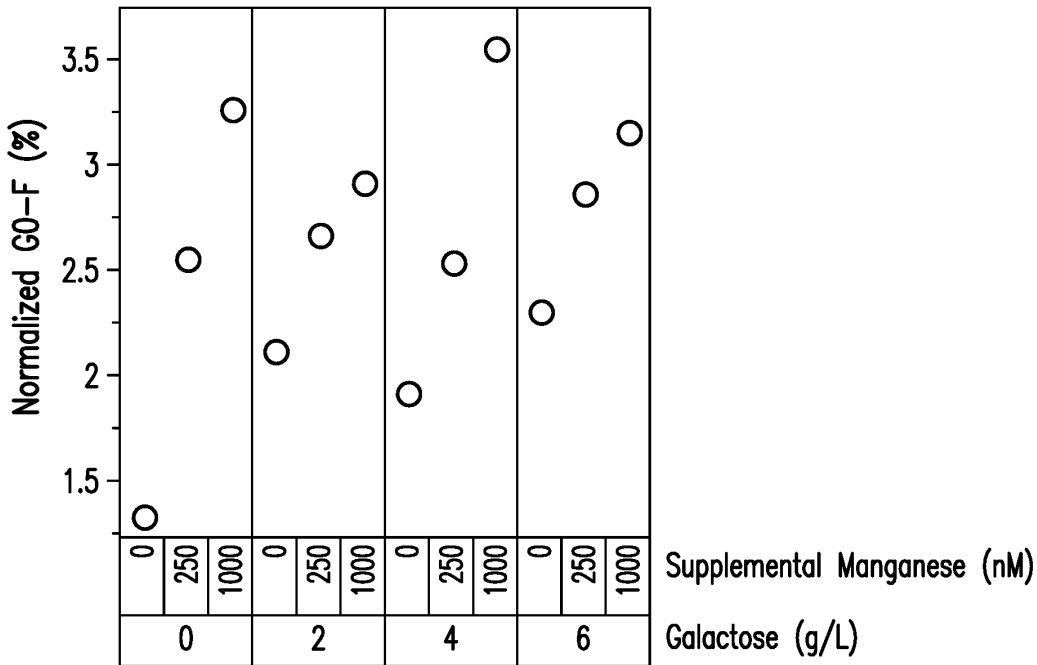


FIG. 34B

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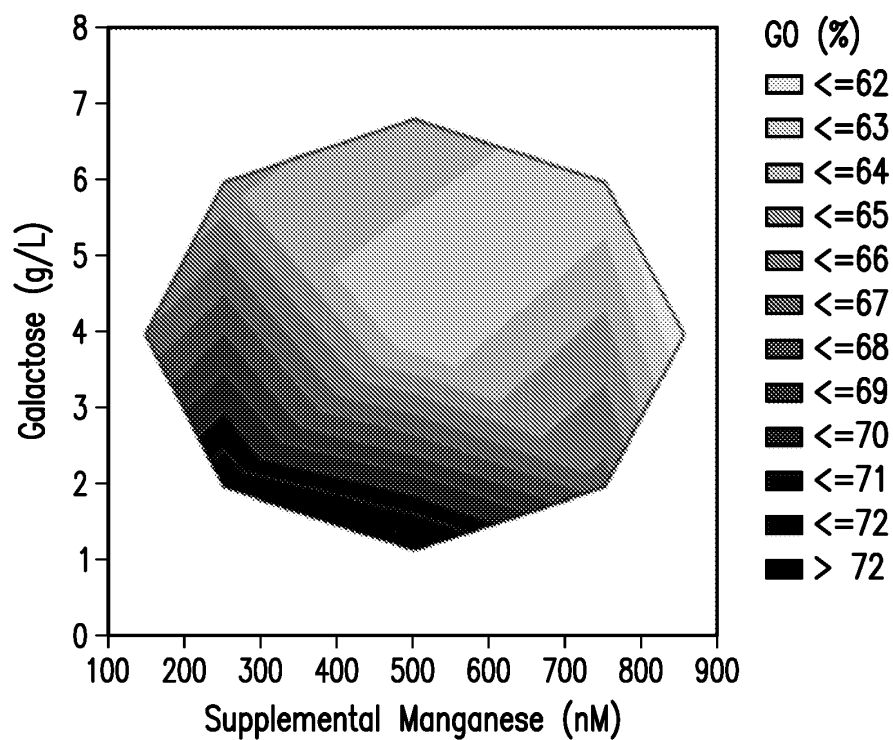


FIG. 35A

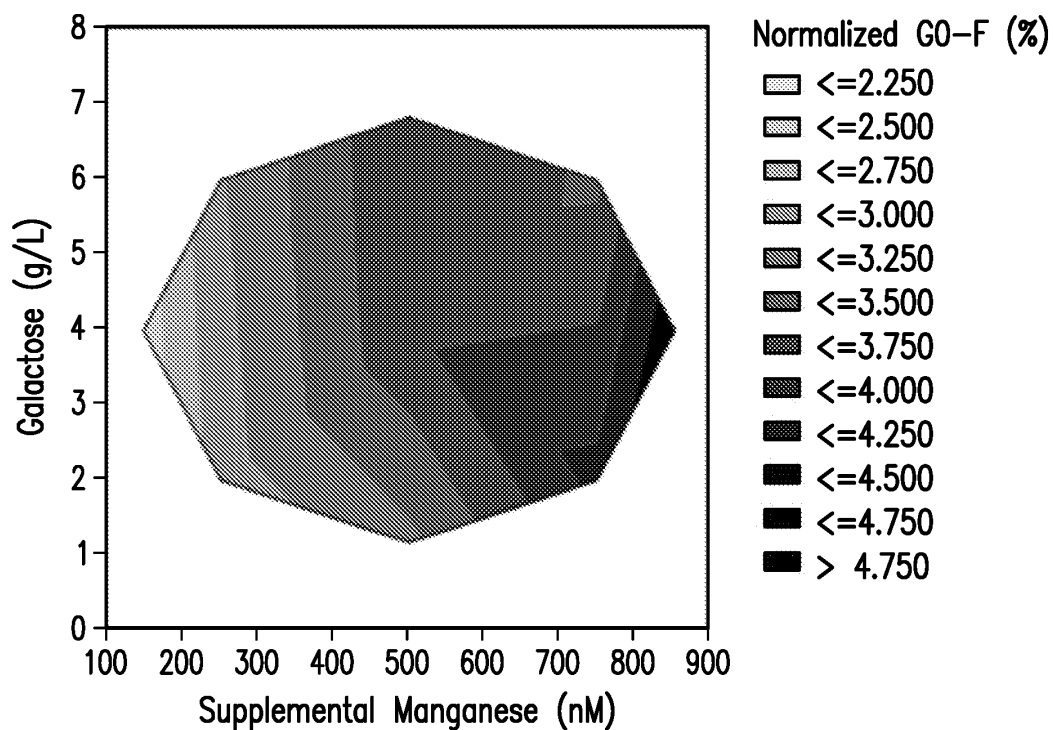


FIG. 35B

SUBSTITUTE SHEET (RULE 26)

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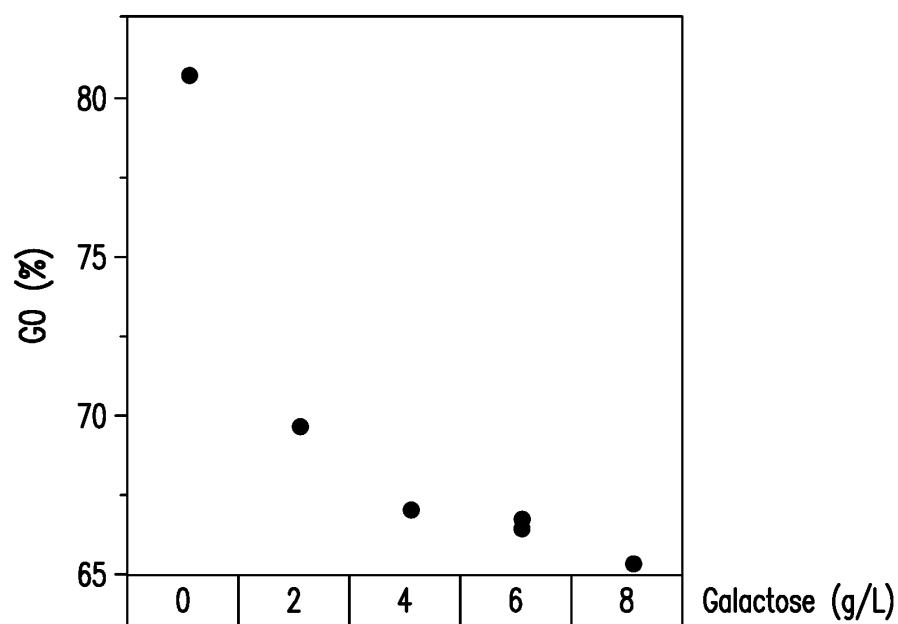


FIG. 36A

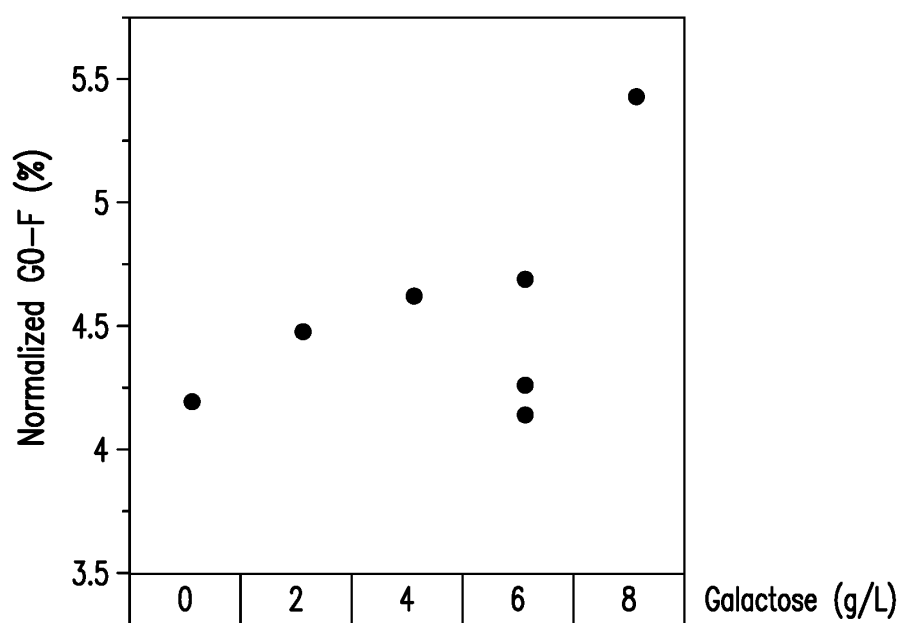


FIG. 36B

SUBSTITUTE SHEET (RULE 26)

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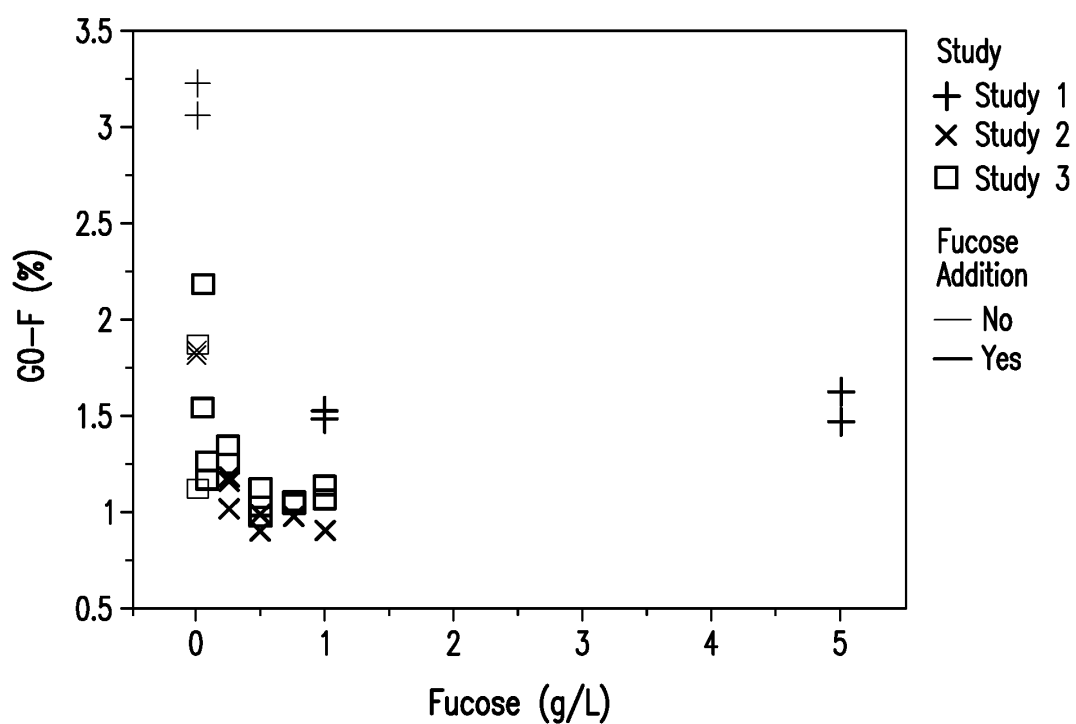


FIG. 37A

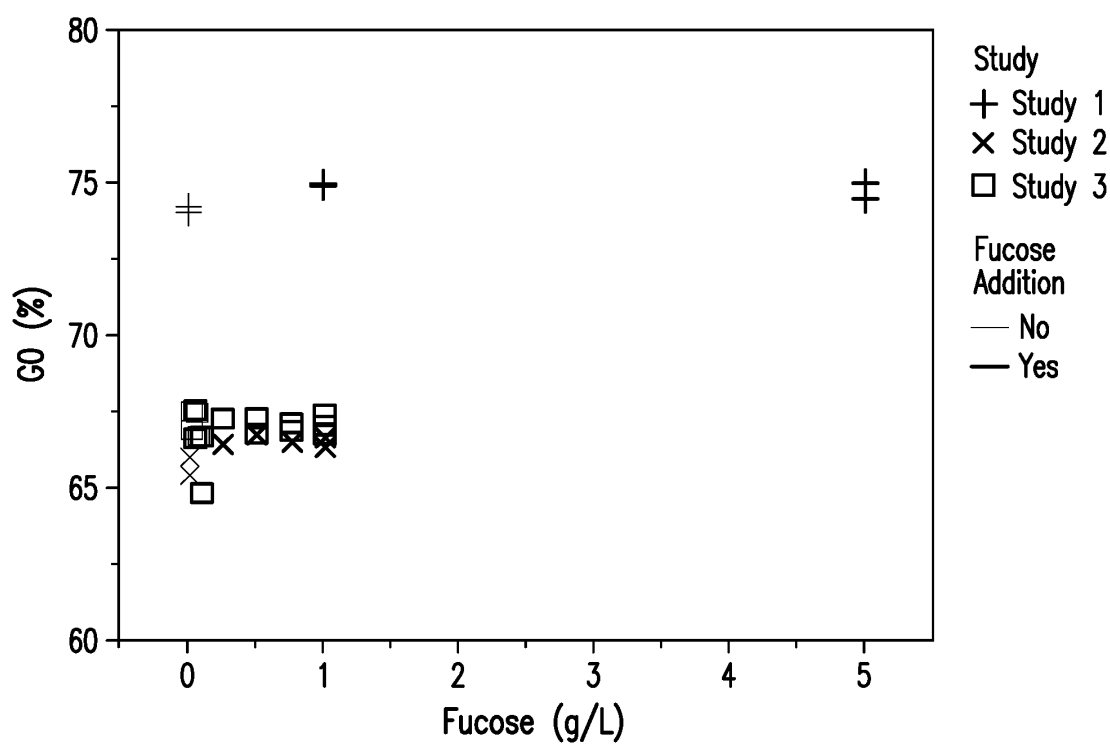
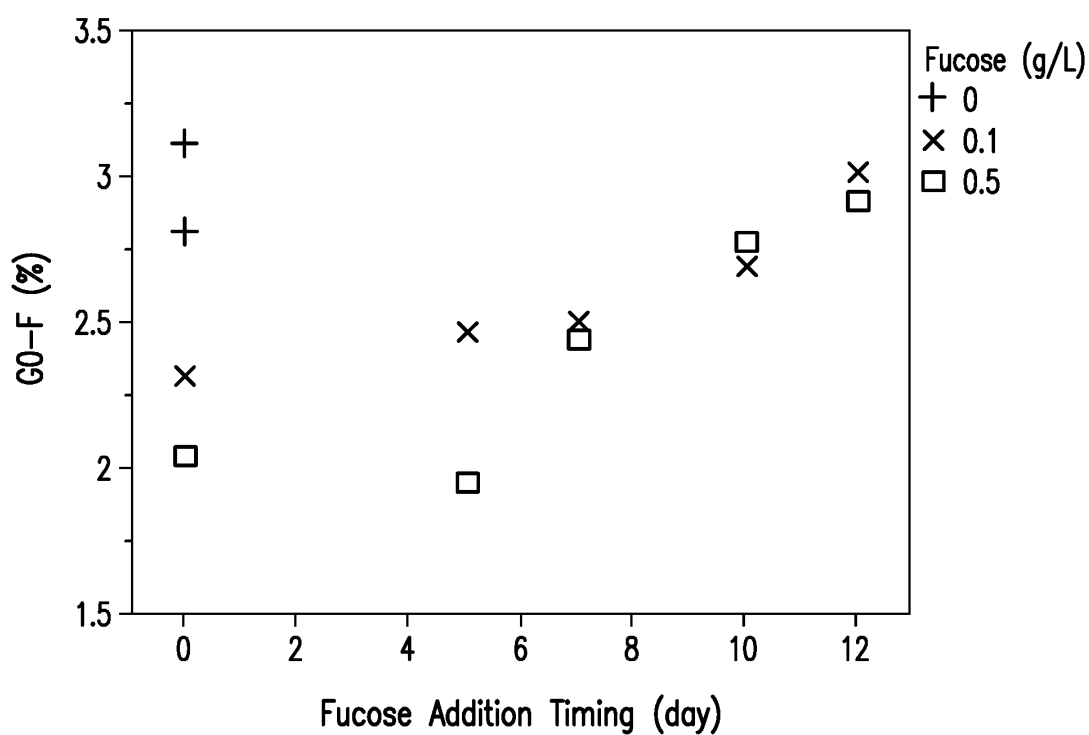
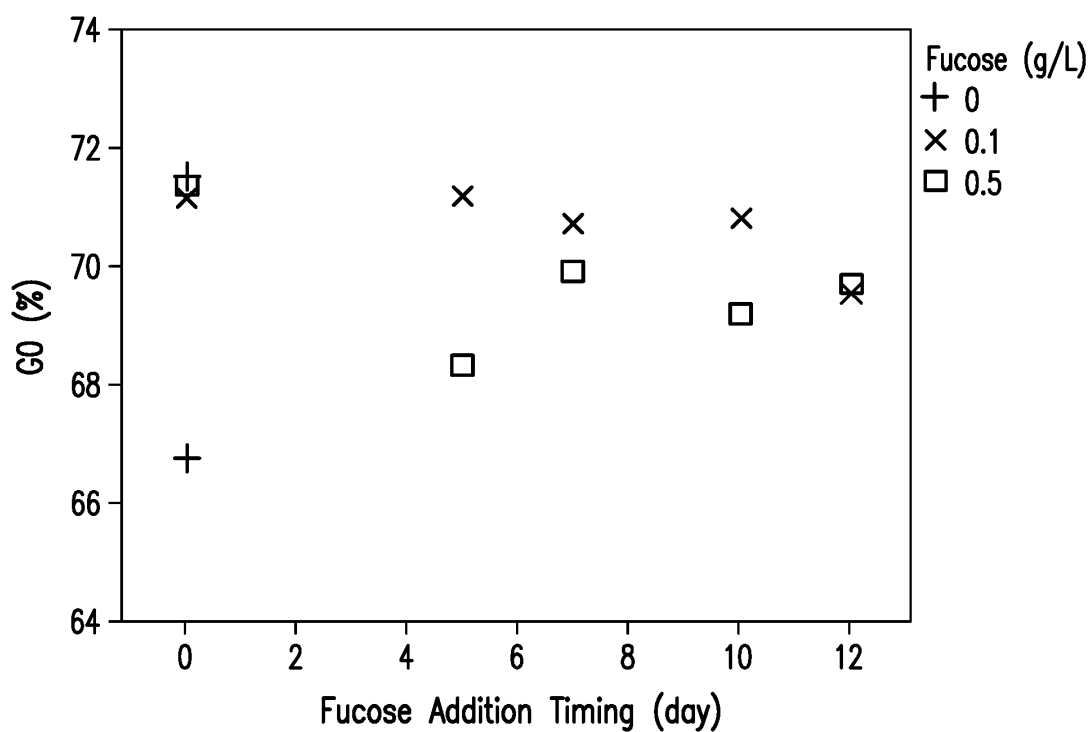


FIG. 37B

SUBSTITUTE SHEET (RULE 26)

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**FIG. 38A****FIG. 38B**

SUBSTITUTE SHEET (RULE 26)

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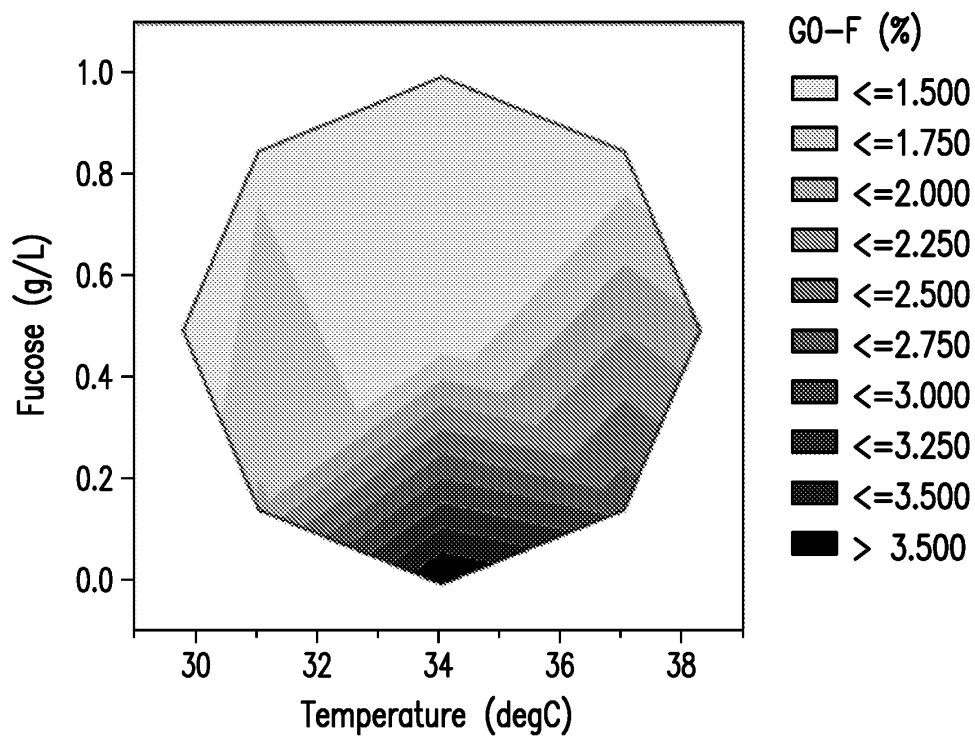


FIG. 39A

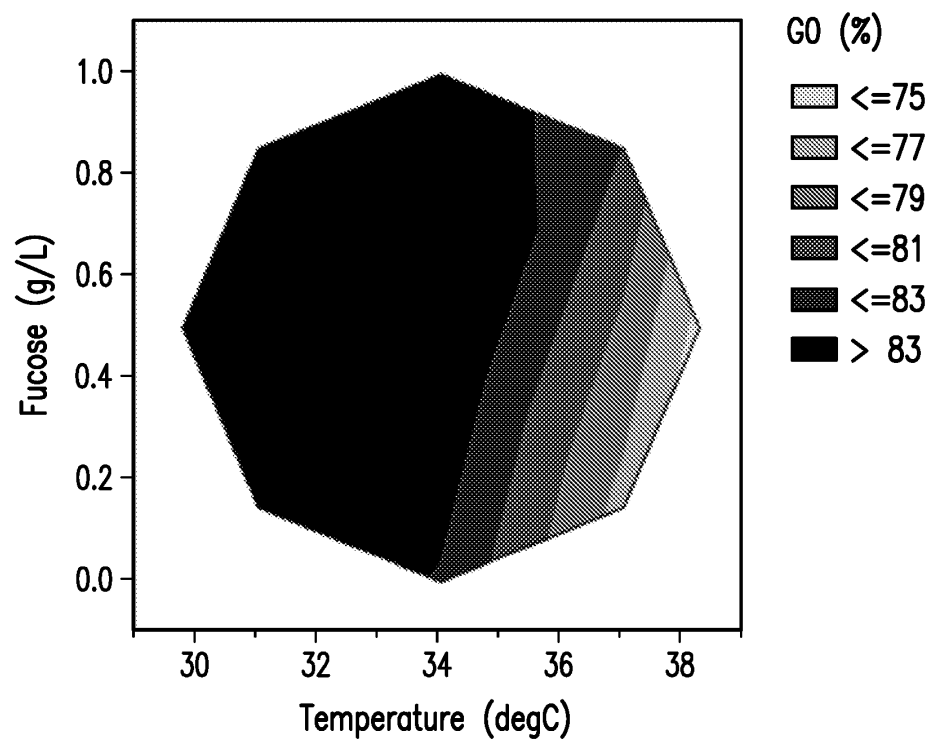


FIG. 39B

SUBSTITUTE SHEET (RULE 26)