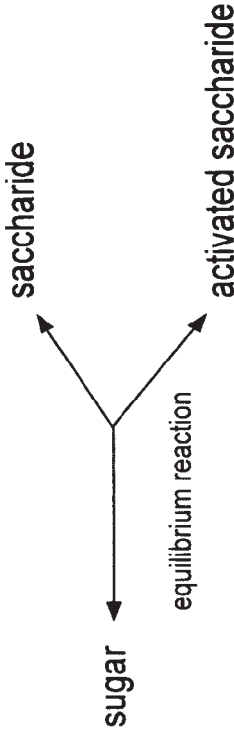
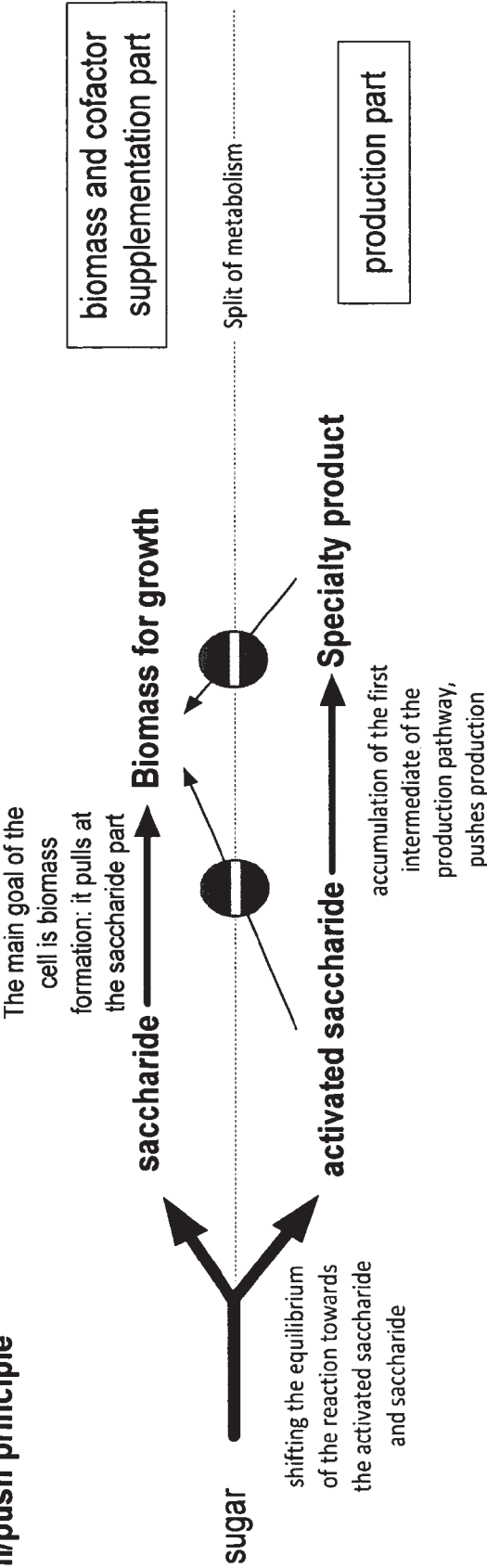


Figure 1

(A) Equilibrium reaction



(B) Pull/push principle



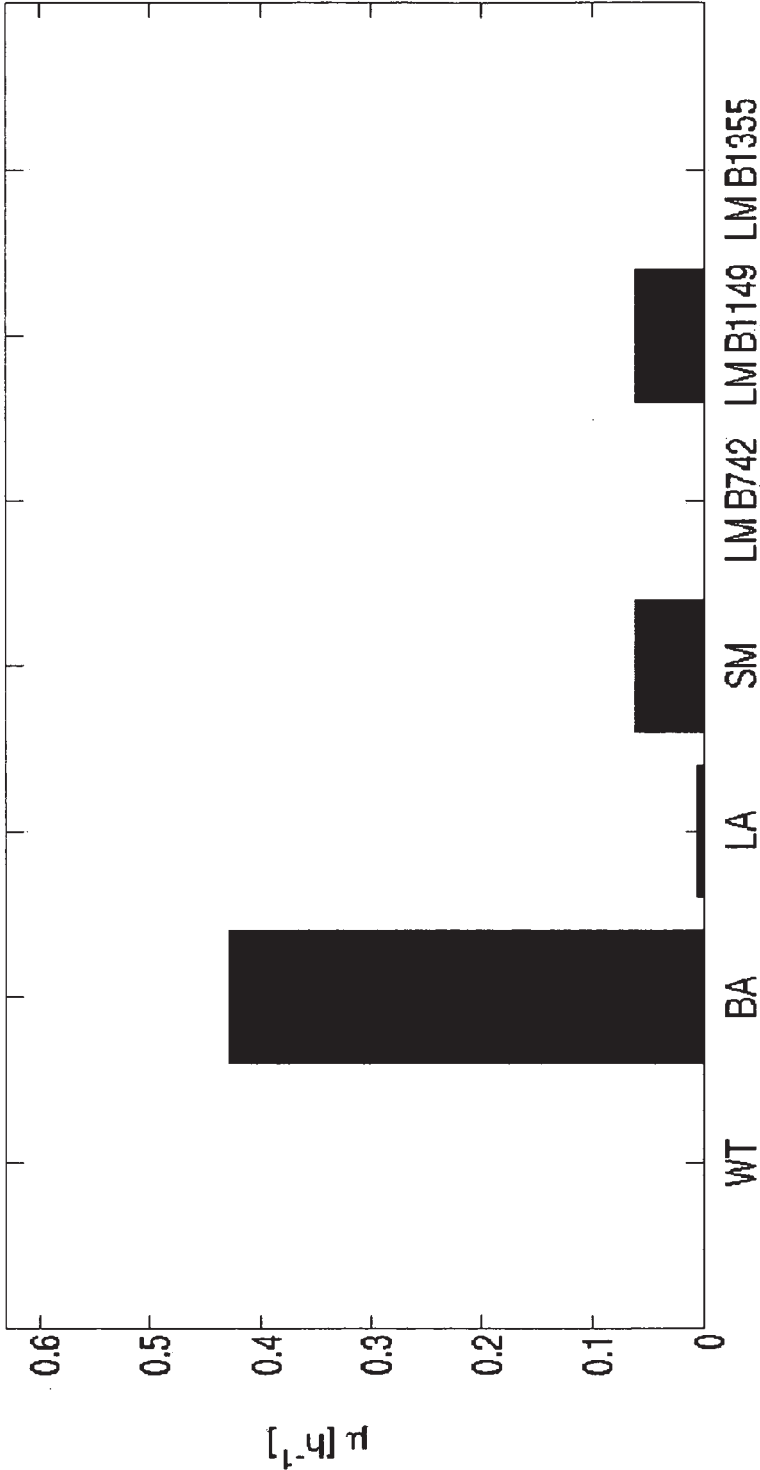


Figure 2

Figure 3

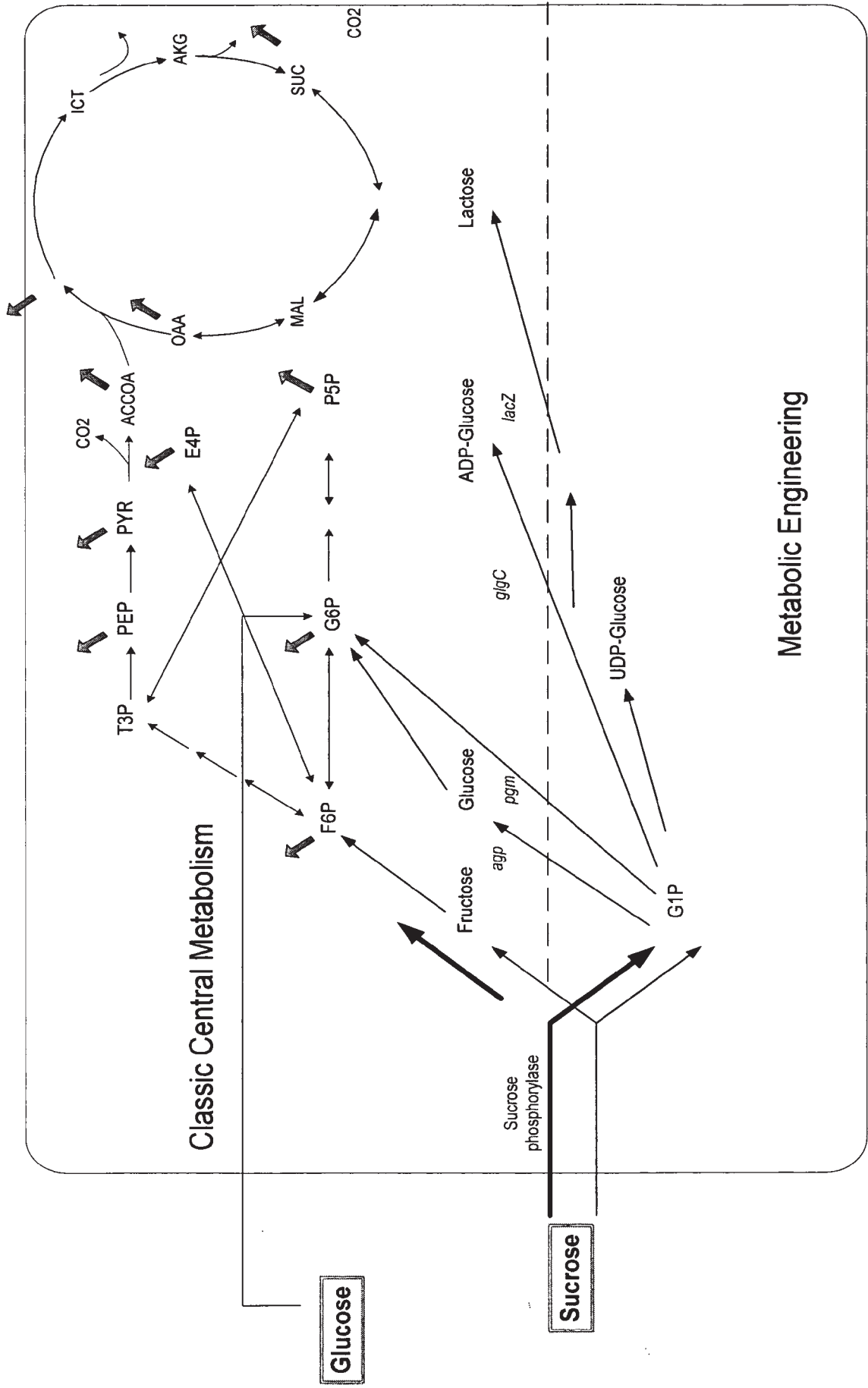
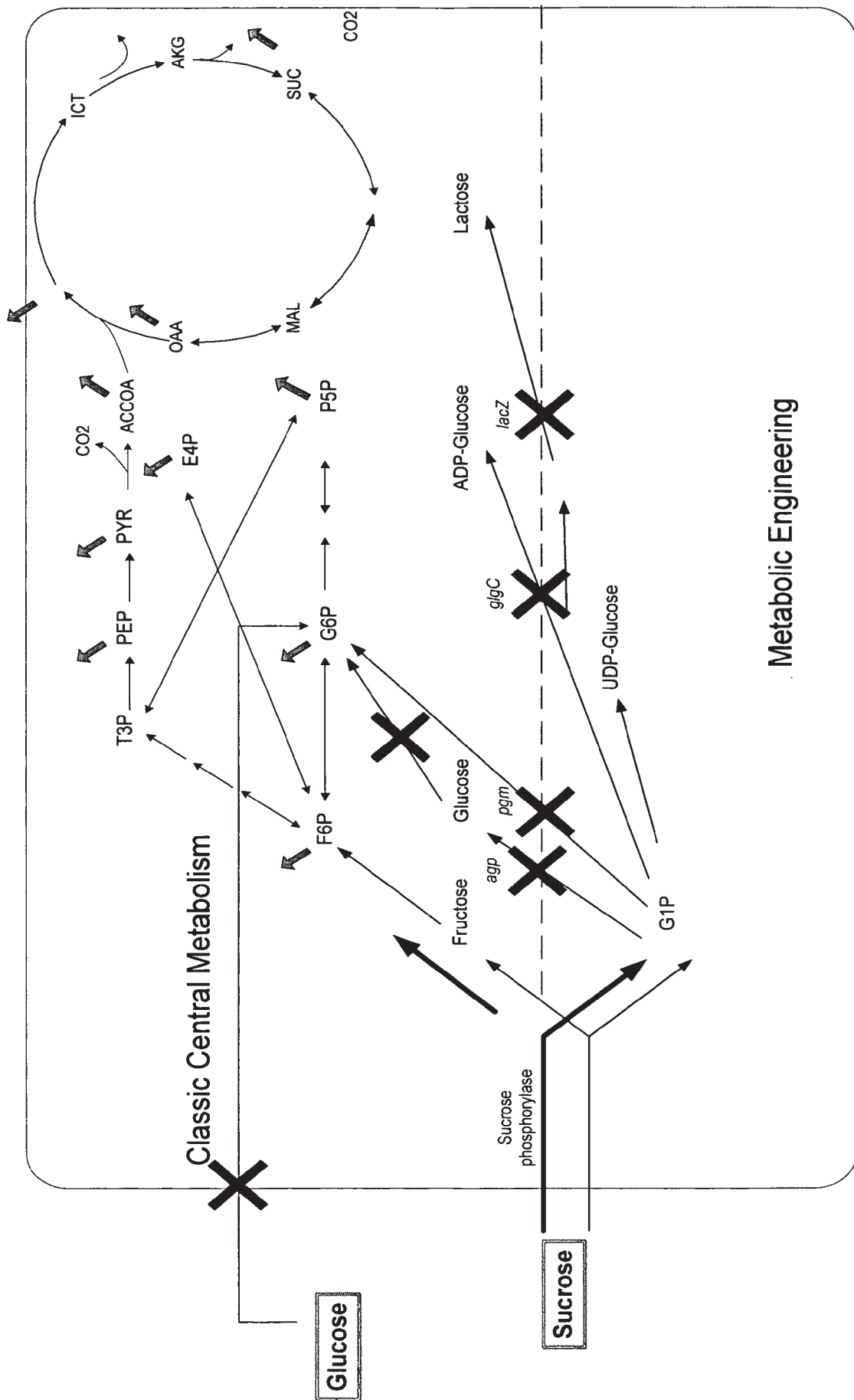


Figure 4



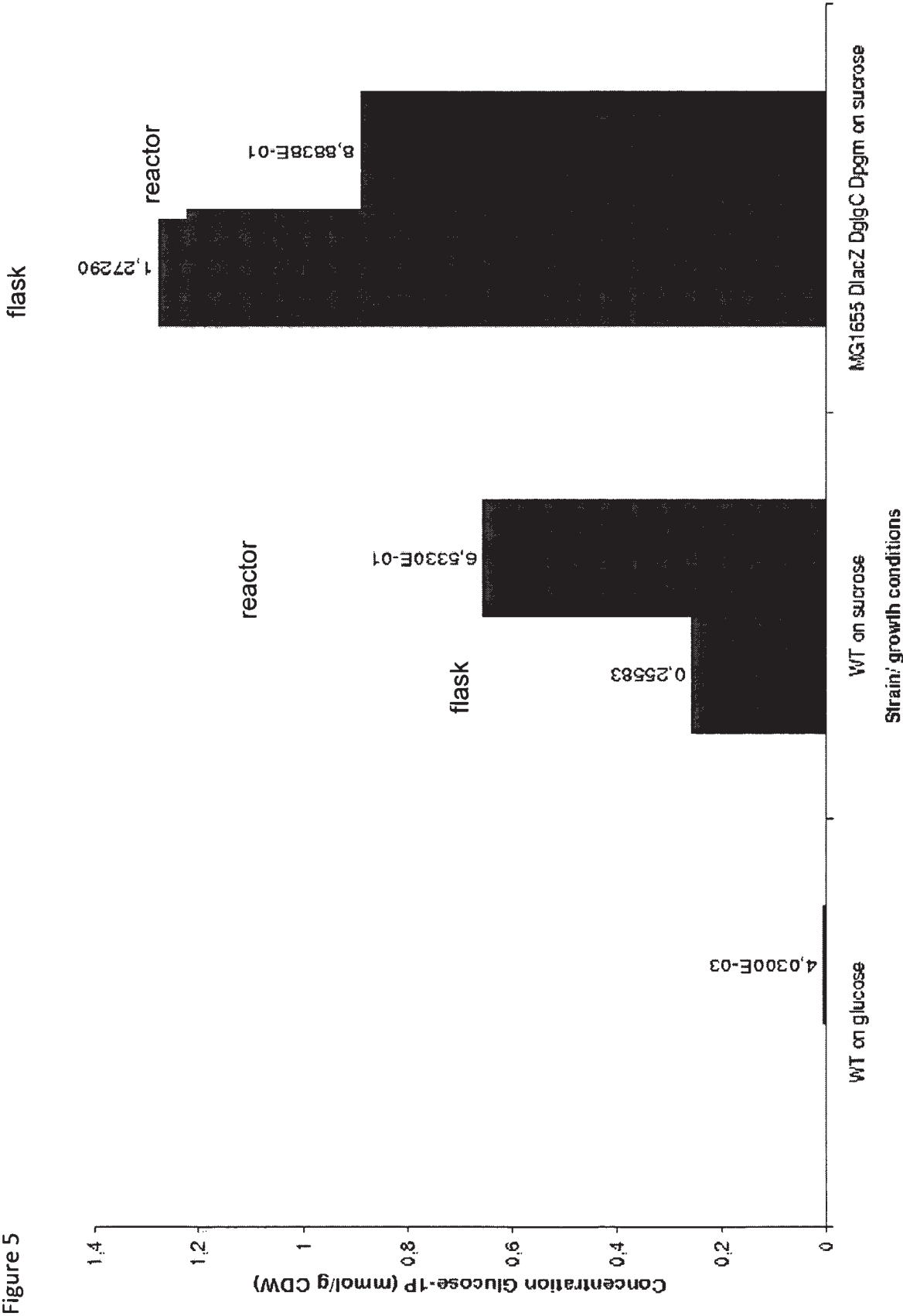


Figure 6

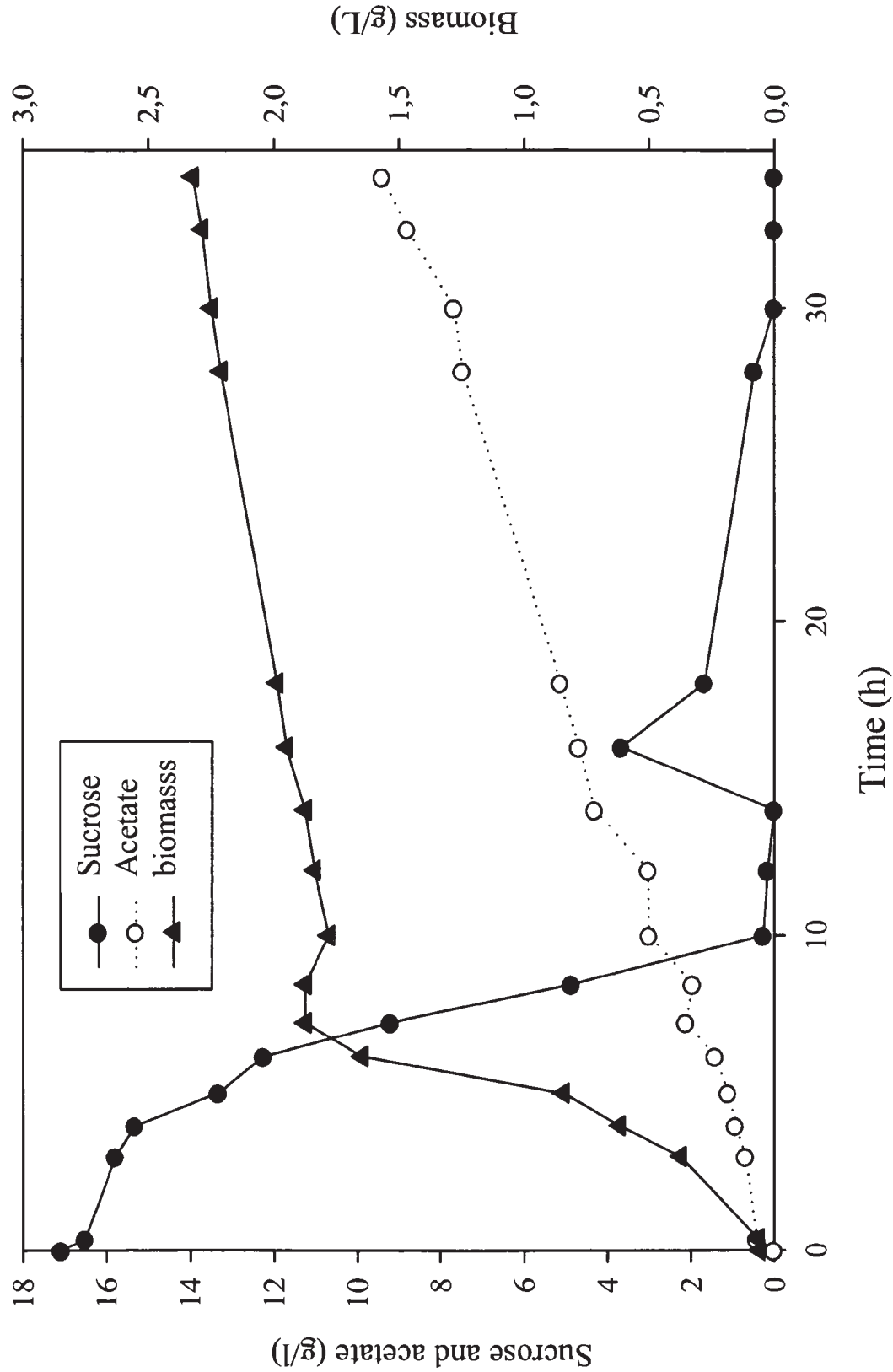
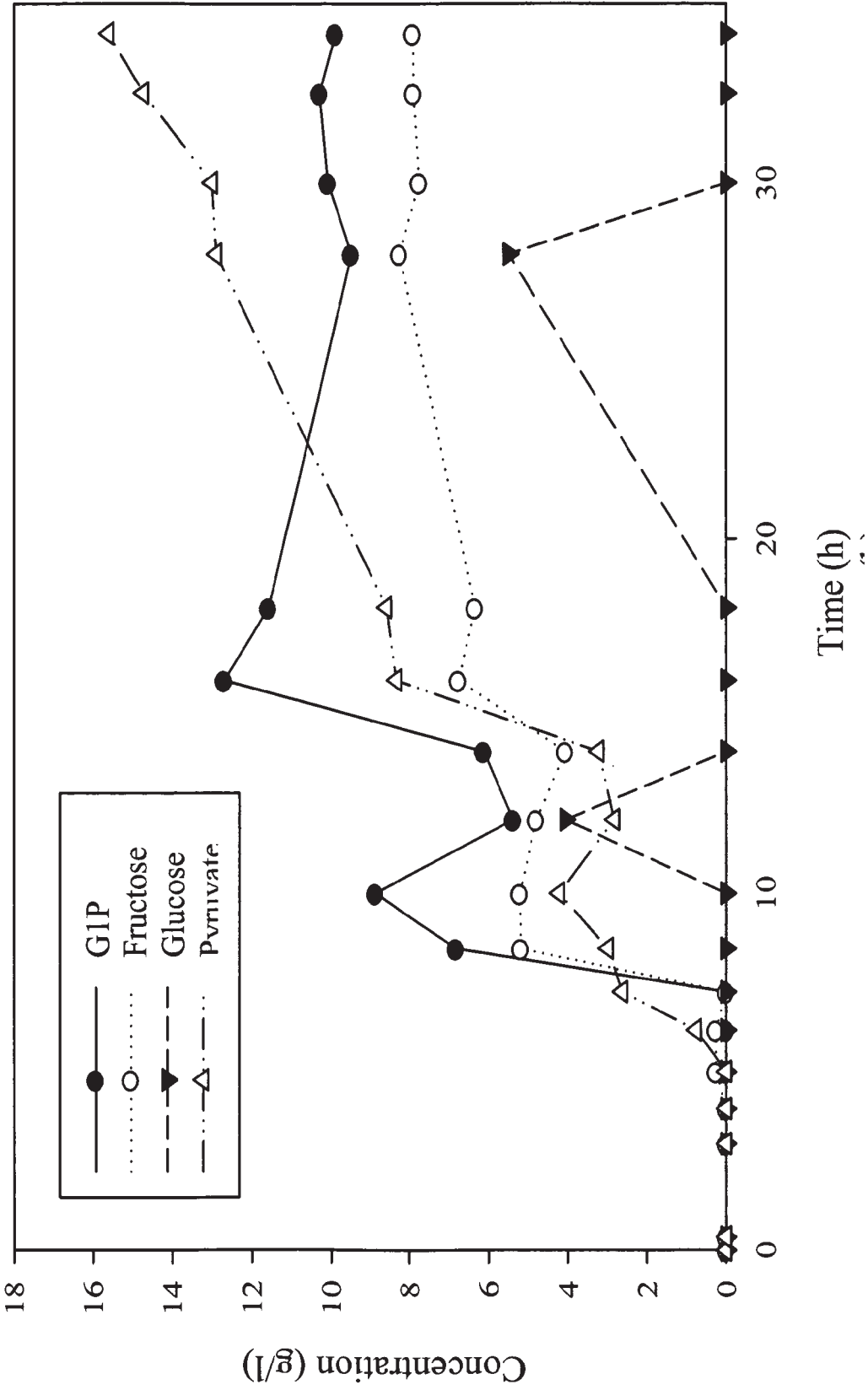
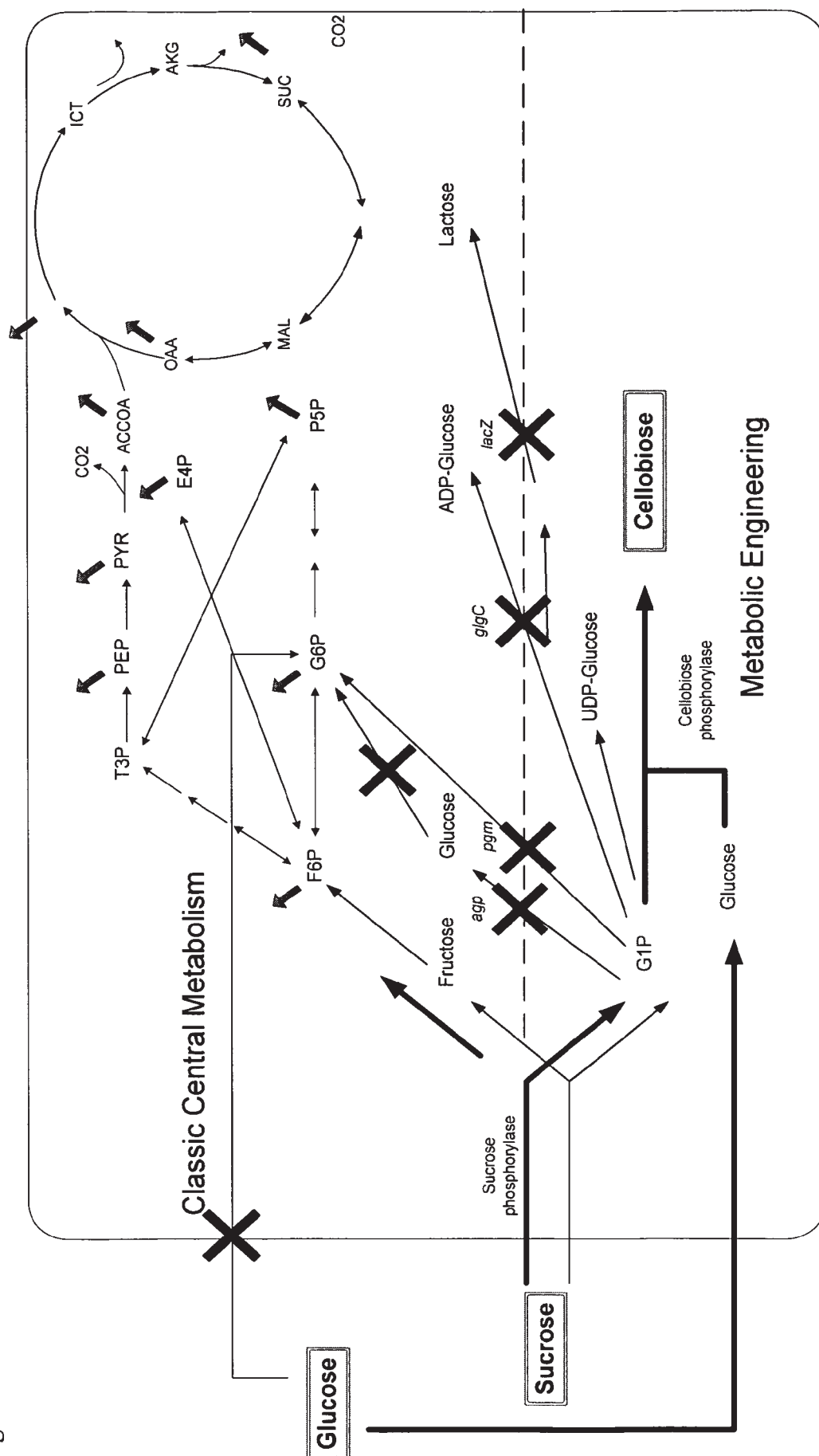
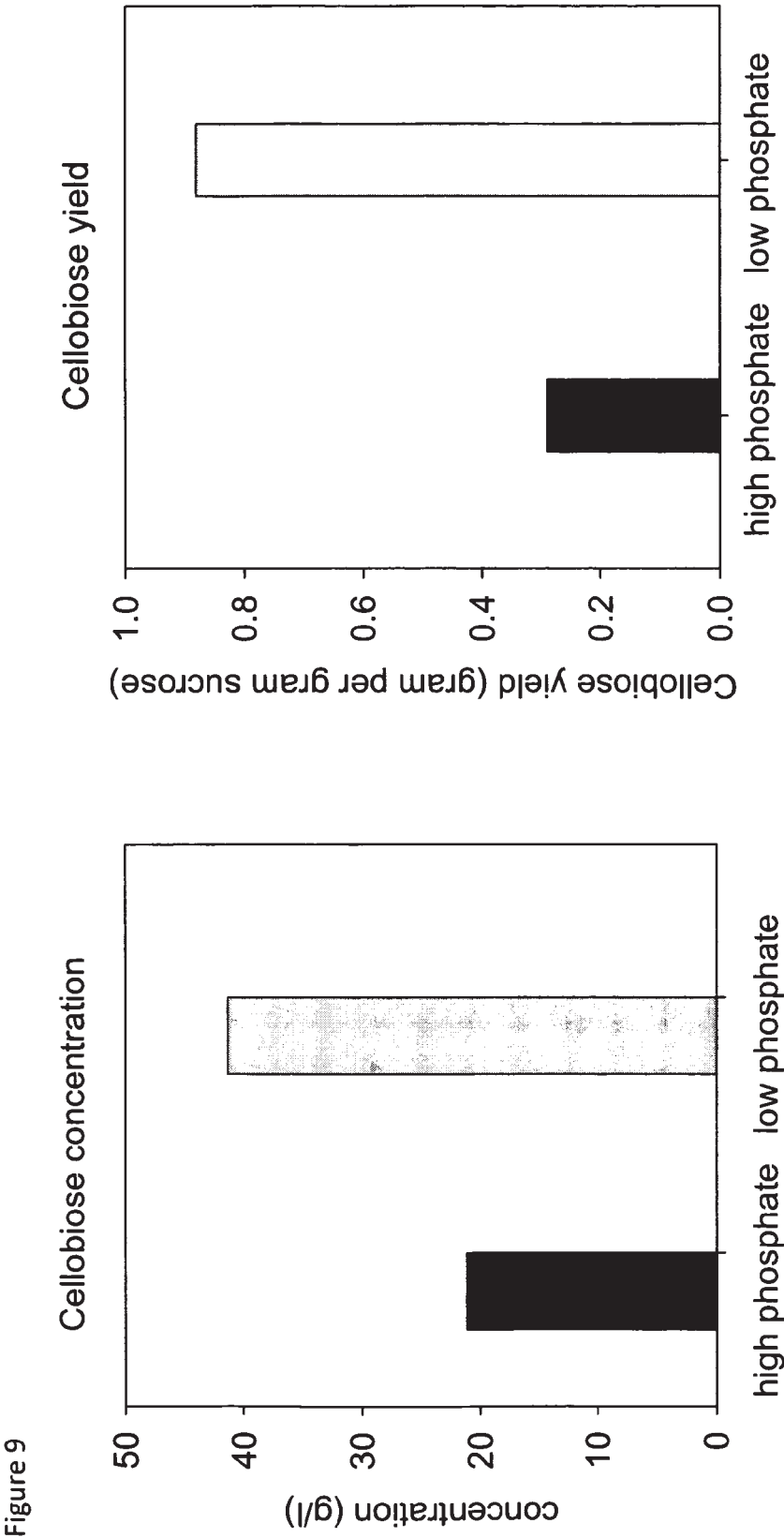


Figure 7







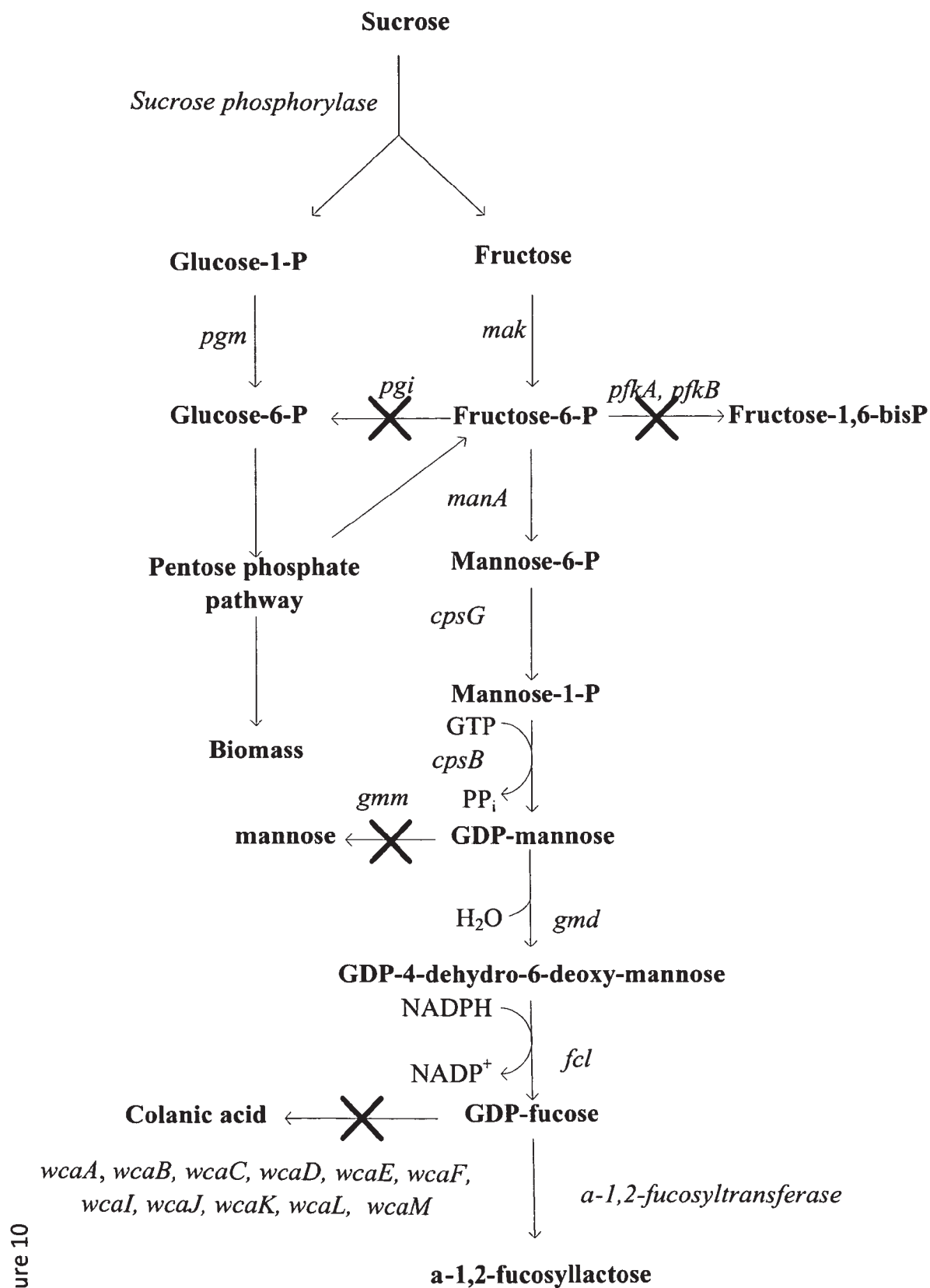


Figure 10

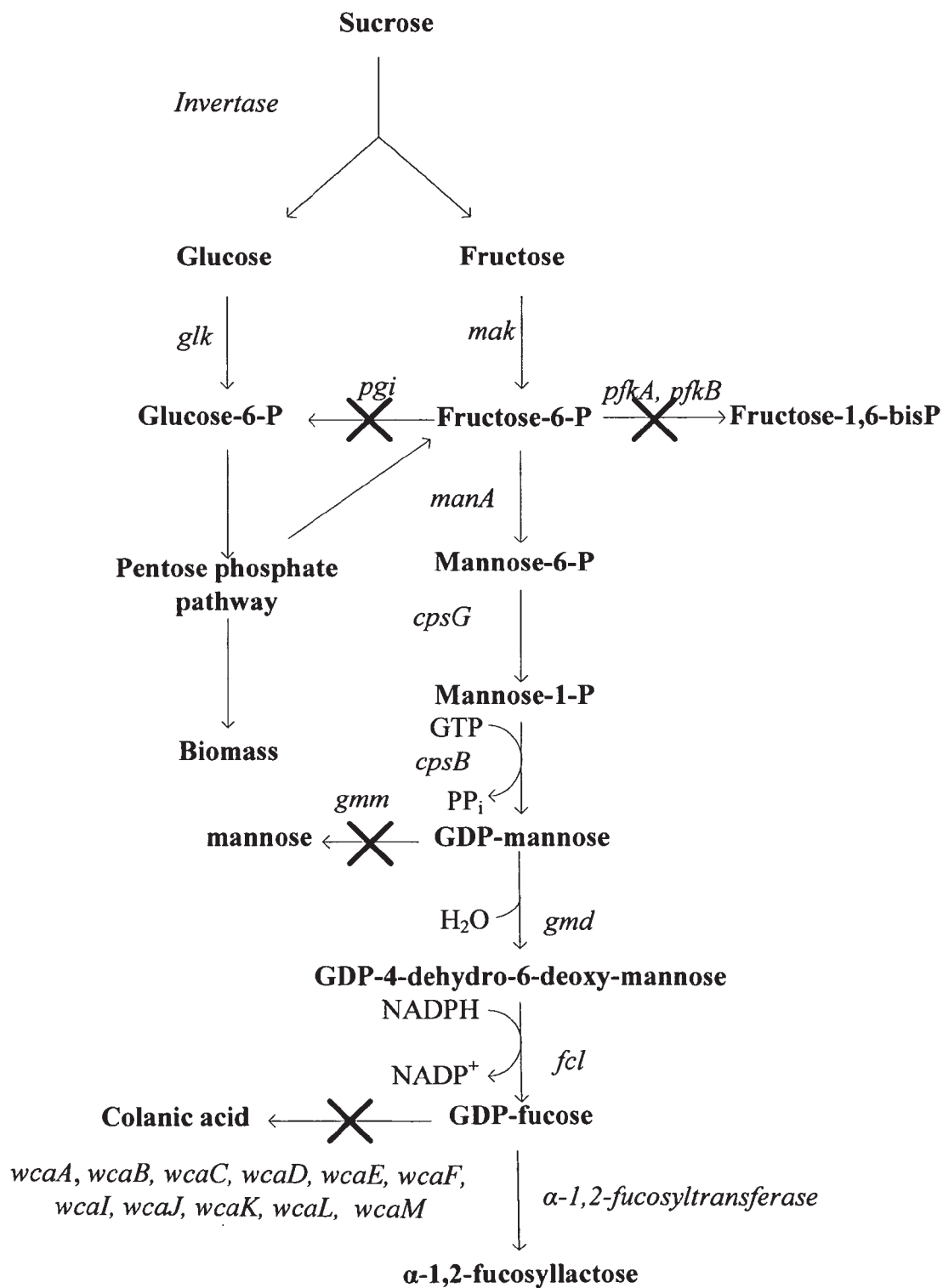


Figure 10 cont.

Figure 11

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ATATTATGTACTGAAACCAGAAGCAGGGAATGCGGAGCACGCGGTGAAATTCGGTACT
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TCGCTCAGGCAATTGCTGAAGAACGTGCGAAAAACGGCATCACTGGCCCTTGCTATGT
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CGGTCATGTGAAAGAGCAGGATCTGGTGCAGCCGTTCTGGAAGGTCTGGCCGATATC
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CGTTAACGATCAGGTCGATCAAACCTTCCGCTTTATGCACCTTGATAAAGACGGCGCG
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AGTTCGATCTGGCGTTTGCTAACGACCCGGATTATGACCGTCACGGTATCGTCACTCC
GGCAGGTTTGATGAATCCGAACCACTACCTGGCGGTGGCAATCAATTACCTGTTCCAG
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TGATCGACCGTGTGGTCAACGACTTGGGCCGTAAACTGGTAGAAGTCCCGGTAGGTTT
CAAATGGTTTGTGATGGTCTGTTGACGGCAGCTTCGGCTTTGGCGGCGAAGAGAGT
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GCAAGCAGATTGAGAAAGAAGCGGTTGAGATTGTTAGCGAAGTTCTGAAAAACGCGTA
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Figure 12

CGTACACGCGTTTACTTTGCGGCAGATGAACAAACGCTGCTGAAAAATGGTAA
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CCAACACCGGCCGTAAATGCAGCATGATCGAACACATCATGCAGTCGATGCAA
TTCCCGGCGGAATTGATTGAGAAGGTTTGCAGAACTATCTAAAACGTTGCAGA
CAAAGGACAAAGCA**GTGTAGGCTGGAGCTGCTTCGAAGTTCCTATACTTTCTA**
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AATAAAAAAAGGGCGGTGCAAGATCGCCCTTTTTTACGTATGACAAACACAG
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Figure 13

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GACCAAGCCGAAACATGTGCCAGGCACGCCGTATTGGGTGATCACCAACACCAACA
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GTGAAACGCCGTAGCGCCGATGGTAGTGTGGGGTCTCCCCATGCGAGAGTAGGGAA
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ATCTGTTGTTTGTCTGGTGAACGCTCTCCTGAGTAGGACAAATCCGCCGGGAGCGGA
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CTGCCAGGCATCAAATTAAGCAGAAGGCCATCCTGACGGATGCTACTGCGAAAGCT
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AGCAGATTGAGAAAGAAGCGGTTGAGATTGTTAGCGAAGTTCTGAAAAACGCGTAA
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CACAGAATTGCCTGATGCGCTACGCTTATCAGGCCTACGAGGATGGTGCAATATAT
TGAATTTAAGCGATTTTGTAGGCCGATAAGGCGTTCACGCCGCATCCGGCAAAAA
CAACGAACACTTTGTCAACAACTGAGTAGCTCAAGGAAATCCCA

Figure 14

CGTACACGCGTTTACTTTGCGGCAGATGAACAAACGCTGCTGAAAAATGGTAATC
AGACCAAGCCGAAACATGTGCCAGGCACGCCGTATTGGGTGATCACCAACACCAA
CACCGGCCGTAAATGCAGCATGATCGAACACATCATGCAGTCGATGCAATTCCCG
GCGGAATTGATTGAGAAGGTTTGCAGAACTATCTAAAACGTTGCAGACAAAGGAC
AAAGCA**ACGAAAGGCTCAGTCGAAAGACTGGGCCTTTTCGTTTTATCTGTTGTTTG**
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CGAAGCAACGGCCCCGAGGGTGGCGGGCAGGACGCCCGCCATAAACTGCCAGGCA
TCAAATTAAGCAGAAGGCCATCCTGACGGATGGCCTTTTTTGCCTGGCCAGTGCCA
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TGCTTCGAAGTTCCTATACTTTCTAGAGAATAGGAACTTCGGAATAGGAACTTCA
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GCAGTGGGCTTACATGGCGATAGCTAGACTGGGCGGTTTTATGGACAGCAAGCGA
ACCGGAATTGCCAGCTGGGGCGCCCTCTGGTAAGGTTGGGAAGCCCTGCAAAGTA
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CTCAGGGCGCAAGGGCTGCTAAAGGAAGCGGAACACGTAGAAAGCCAGTCCGCAG
AAACGGTGCTGACCCCGGATGAATGTCAGCTACTGGGCTATCTGGACAAGGGAAA
ACGCAAGCGCAAAGAGAAAGCAGGTAGCTTGCAAGTGGGCTTACATGGCGATAGCT
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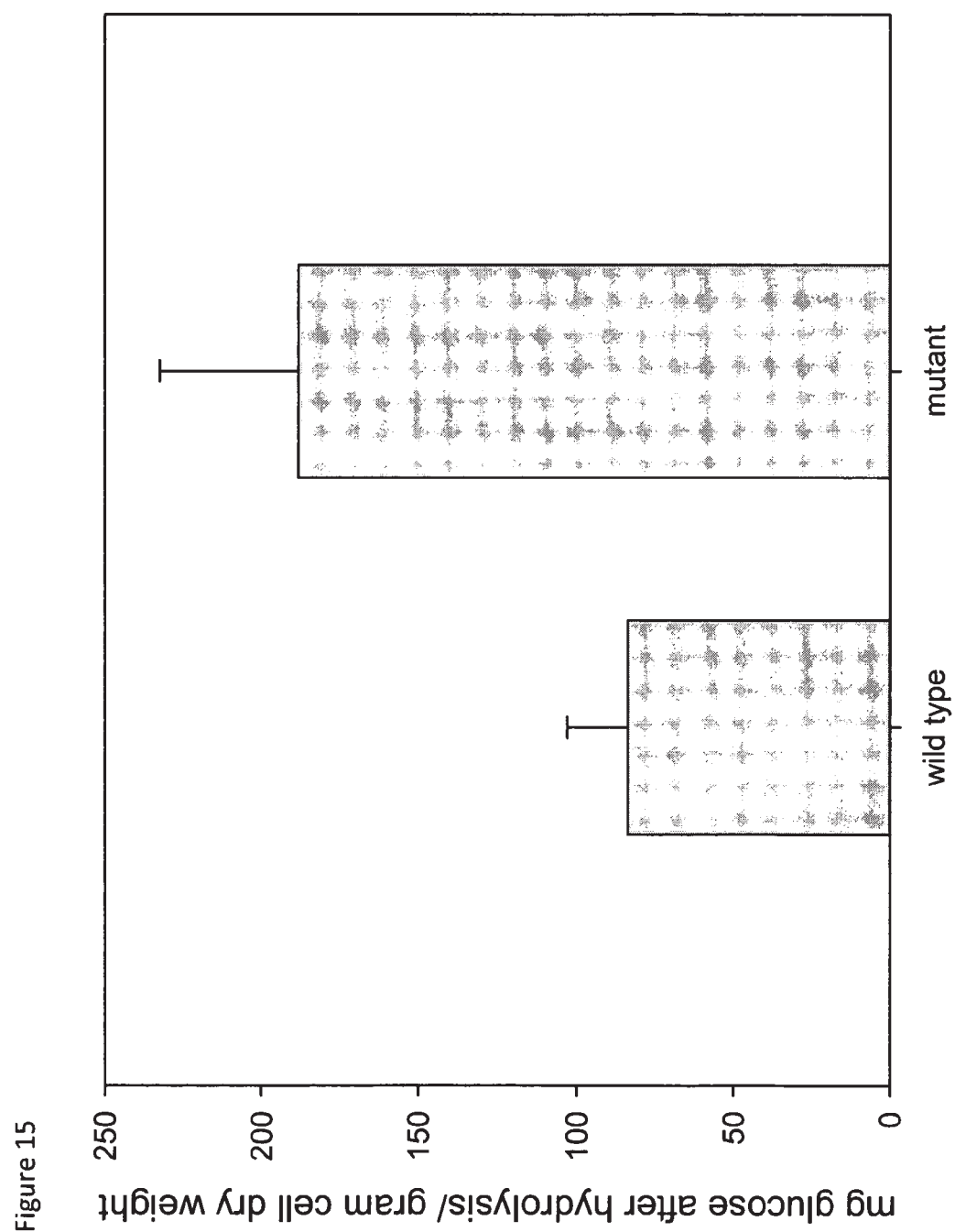


Figure 16

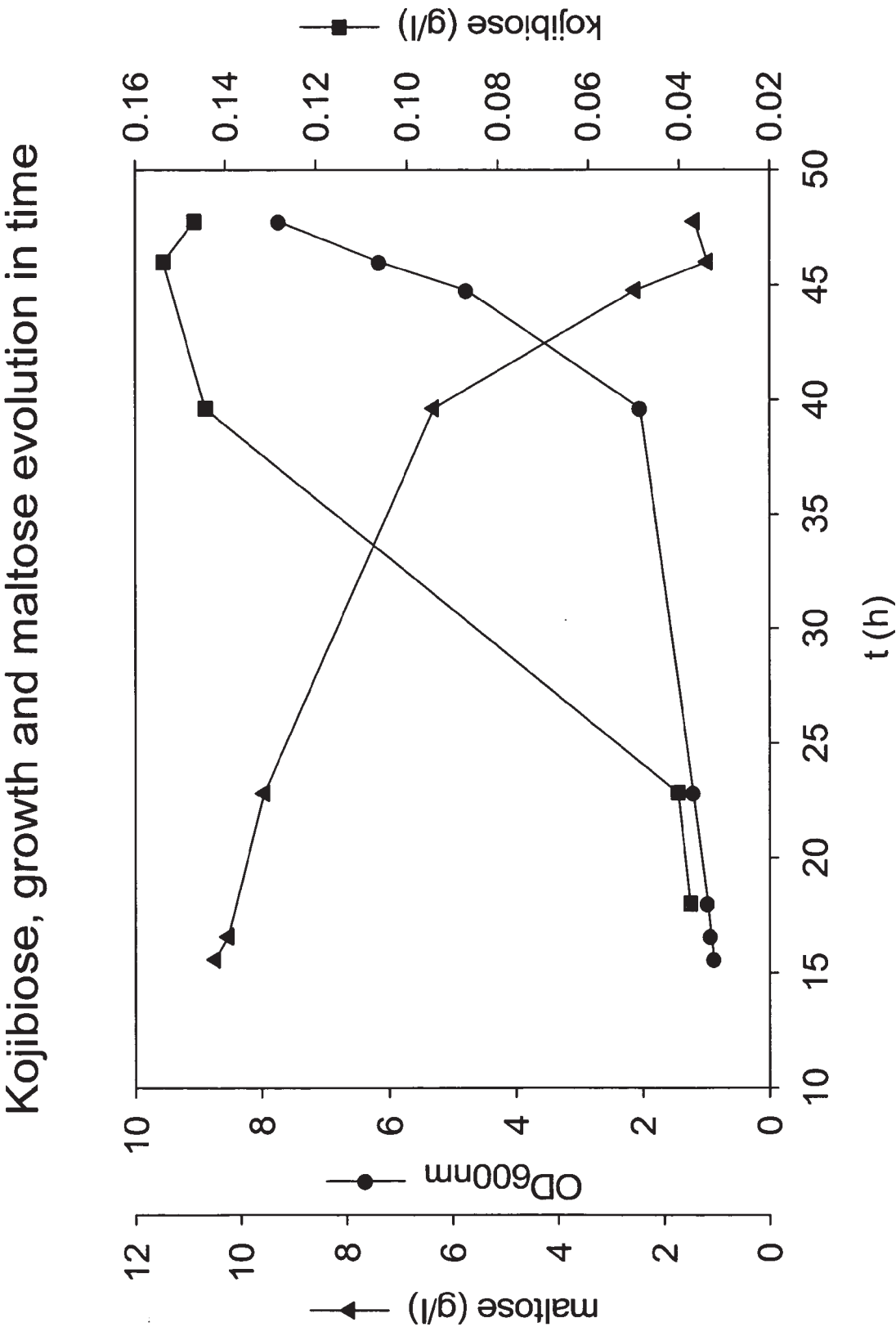
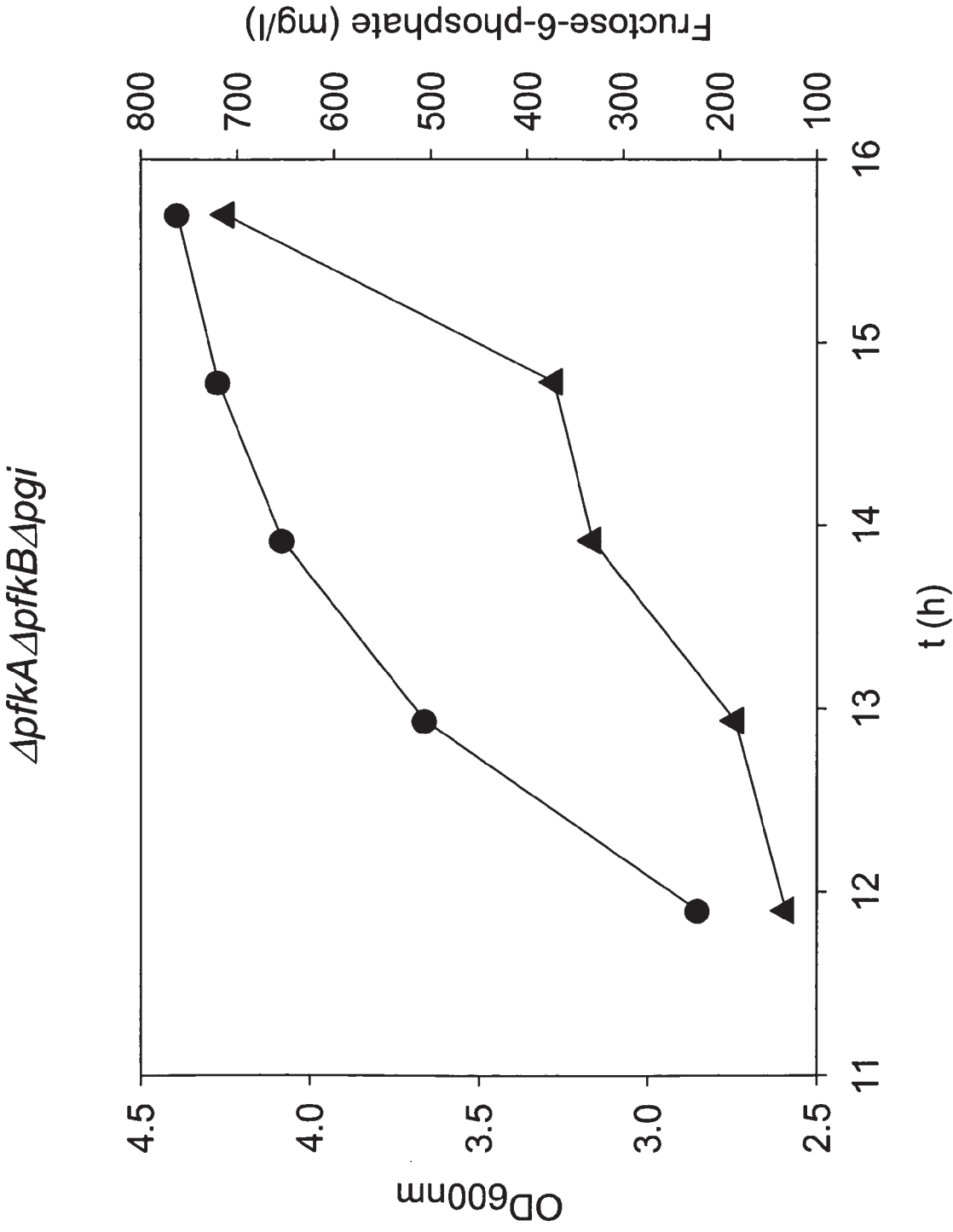
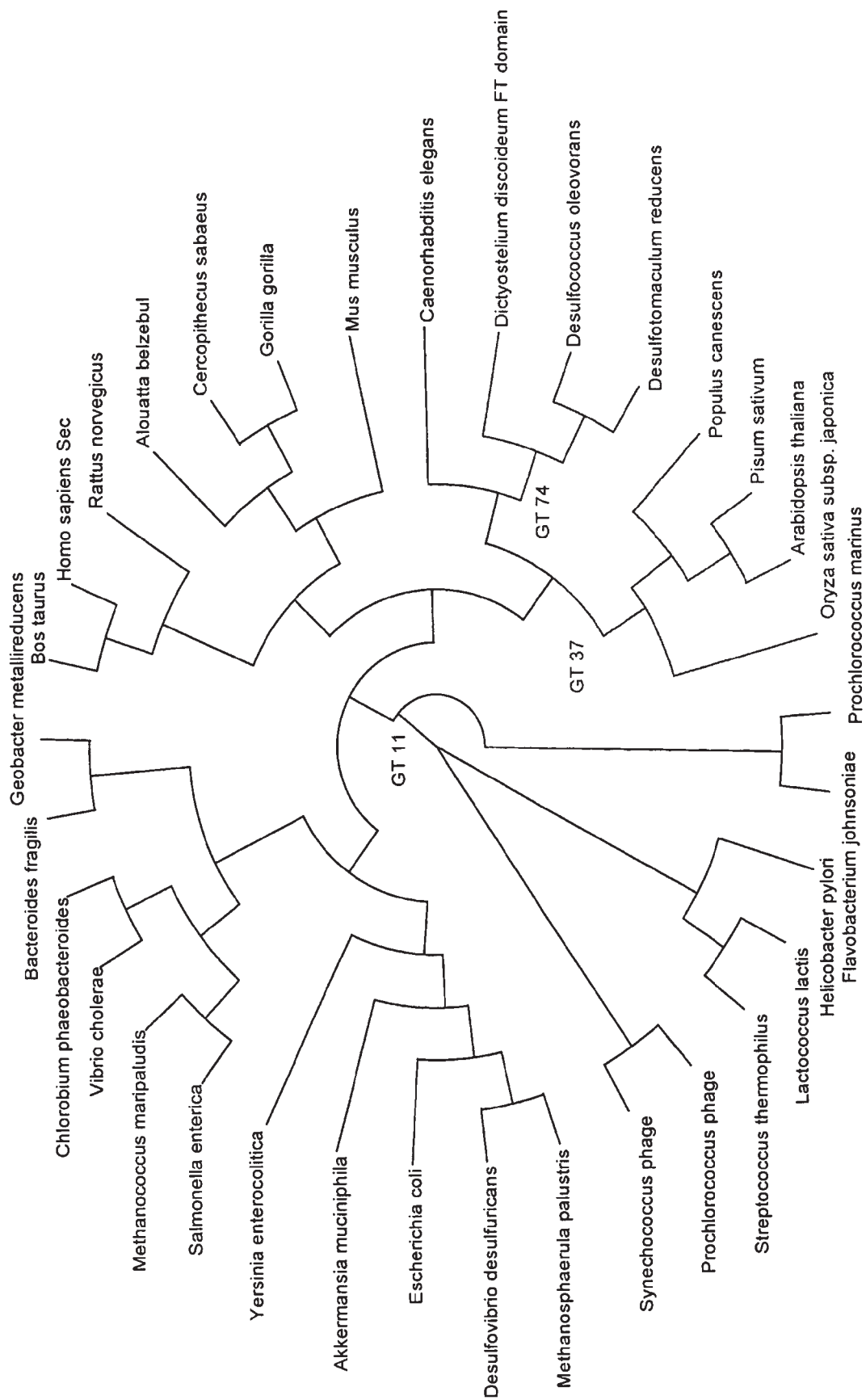


Figure 17



18/22

Figure 18



```

ClustalW2 alignment Helicobacter pylori vs. Dictyostelium discoideum FT domain
Alignment Score -68

Dictyostelium      ---SILNFISGINSKINTPKSNNNKFENGIRIICFSKDRAFLKEYLRTFFKYLNDD 57
Helicobacter       MAFKVVRICGLGNQMFQYAFAKSLQKHSNTPVLLDITSDWSNRKMQLFPIDL PYAS 60
                   :::: :*:::: :: . ::: : : * : * : * : * : * : * :
NGNDKFEIIVDVLFTYSNEKFKN SYQLVIESFPQVNFIKE-ENFTDQLINLVQTNKLEY 116
Helicobacter       AK-----EIAIAKMQHLPKLVRDALKYIGFDRVSQEIVFEYEPKLLKPSRLTY 108
                   : *::: **::: ::* : :::: : : *:::* :
VMFSVDDILYYNEFN-LKEYCLSLNSEPLALGFYMKLNKNITYCHTCNQDITIPLSNTI 175
Helicobacter       FYGYFDPRYFDAISPLIKQTFTLPPPKIIRIIKKEE---EYHRKLALILAANKSVFV 165
                   . ..* *::: :. * : :::* . : : * : * : * : * : * :
SRTENNFKYLKWNRNDNDCKKDWNPWDLCSTIYRCNDIDSIINGIVKYYGIRNGINHPN 235
Helicobacter       HIRRGDYVGIGCQLGIDYQKALEY-----MAKRVPN--MELFVFCEDLTFTQ 211
                   :::: : : : ** : * . : * : : : : : : : :
RFEENG NRPIIQKIYQNKPYPCLCLSDHYSPMSVV TINRVQDVYDNPIYDQTLSDLDDQ 295
Helicobacter       NLDLGYPFMDMTTRDKDEEA YWDMLLMQSCQHGIANSTYSWAAAYLIENPEKIIIGPKH 271
                   ::::: : : : : * : : . :::: . . * : : : : :
LLYSNKSLNDEKYKENSLSLNFKSVHIGELFIS 328
Helicobacter       WLFGHENILCKEWVKIESHFVEVKSQYNA---- 300
                   *:::::: :::: : . : : * : * :

```

Figure 20

Blanc sample (no GDF-fucose added, immediately measured)

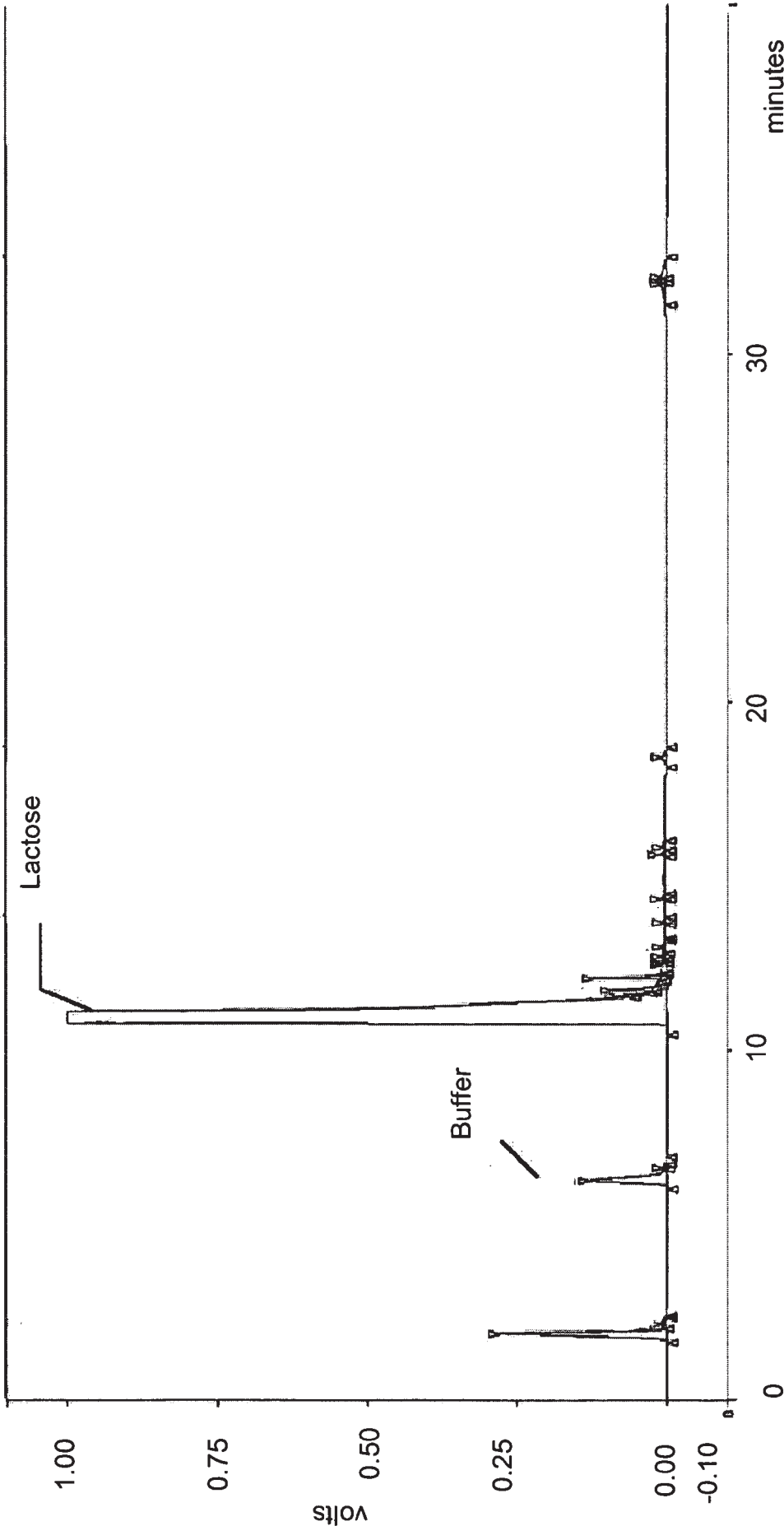


Figure 20 cont.

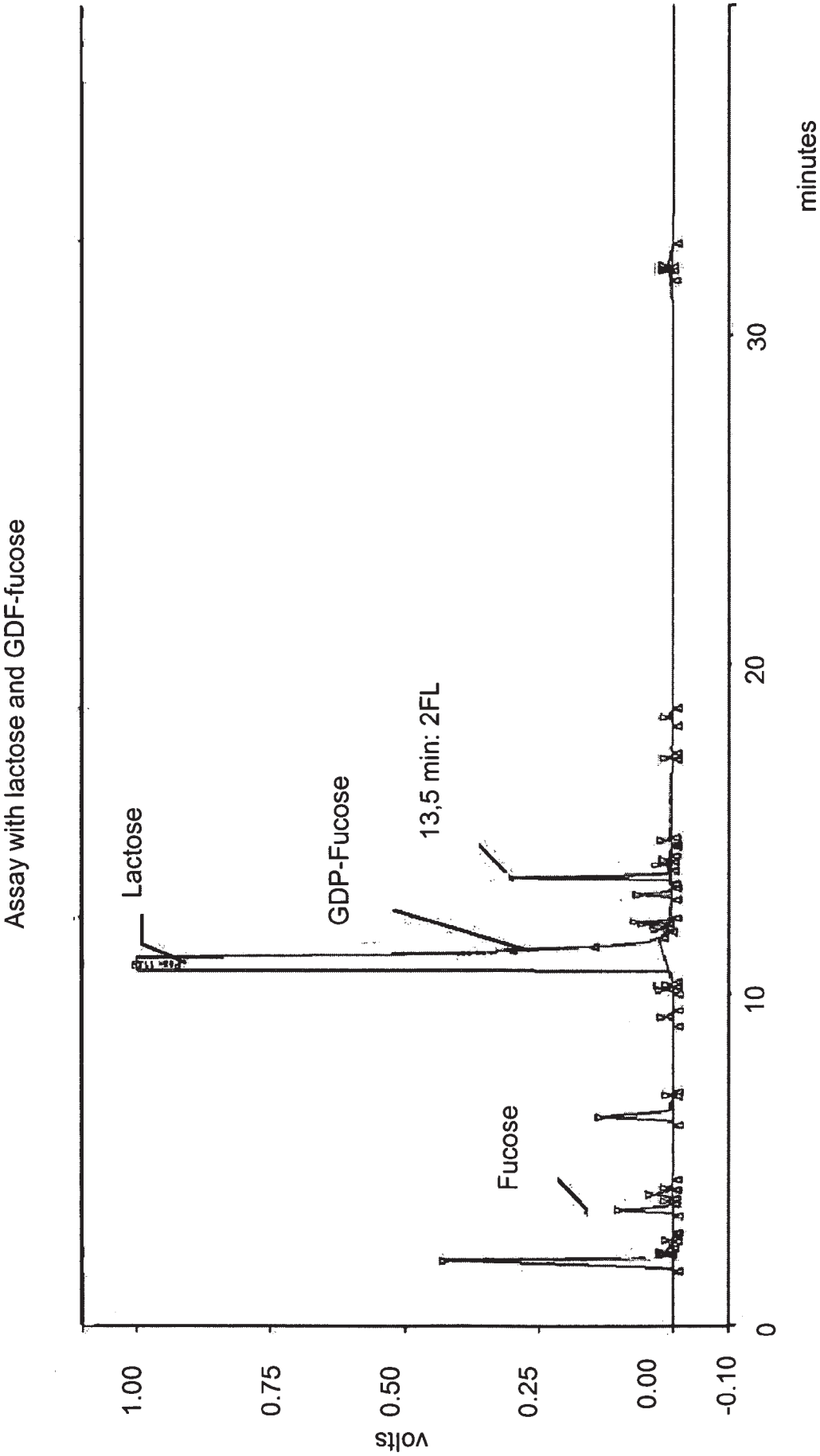


Figure 21

