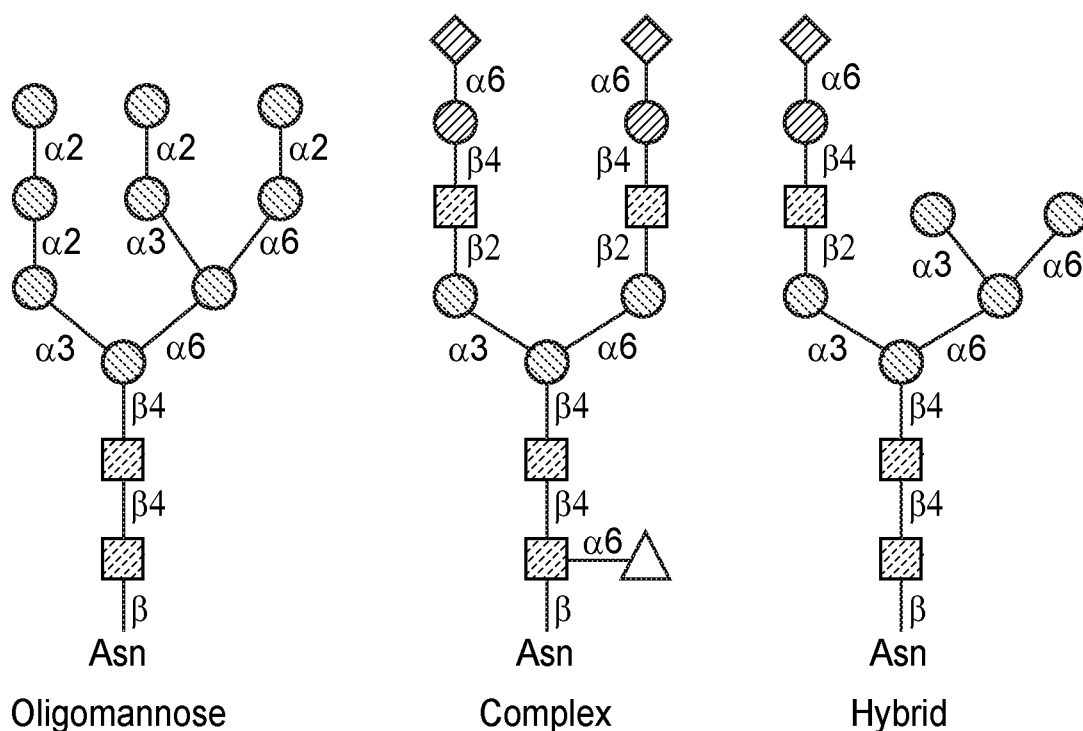


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Symbolic Representations of Common Monosaccharides and Linkages

● Galactose (Gal)	☆ Xylose (Xyl)
▨ N-Acetylgalactosamine (GalNAc)	◆ N-Acetylneuraminic (Neu5Ac)
▧ Galactosamine (GalN)	◆ N-Glycolylneuraminic acid (Neu5Gc)
● Glucose (Glc)	◆ 2-Keto-3-deoxynononic acid (Kdn)
▨ N-Acetylglucosamine (GlcNAc)	△ Fucose (Fuc)
▧ Glucosamine (GlcN)	◆ Glucuronic acid (GlcA)
● Mannose (Man)	◆ Iduronic acid (IdoA)
▨ N-Acetylmannosamine (ManNAc)	◆ Galacturonic acid (GalA)
▧ Mannosamine (ManN)	◆ Mannuronic acid (ManA)

Other Monosaccharides

User letter designation inside symbol to specify if needed  

FIGURE 1A

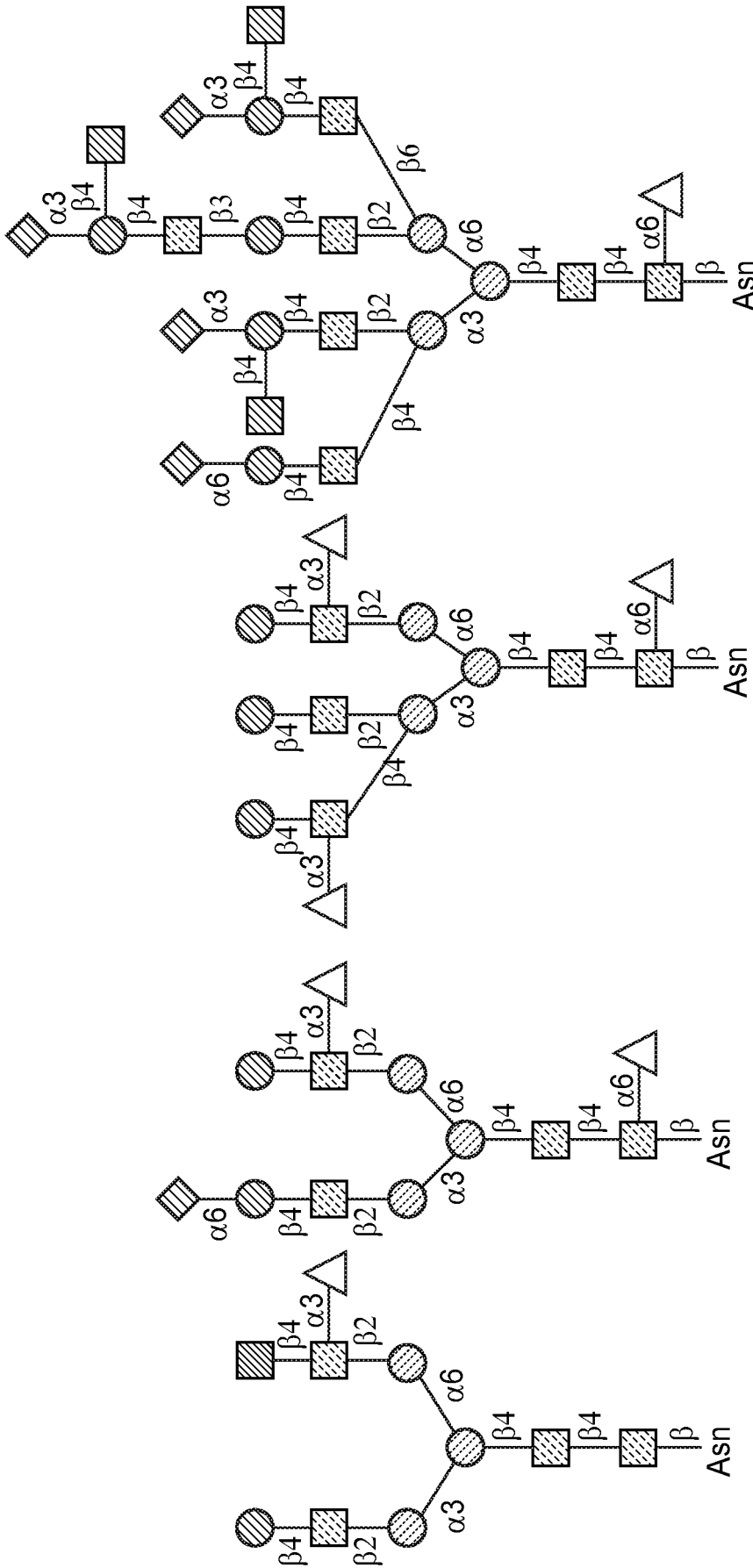


FIGURE 1B

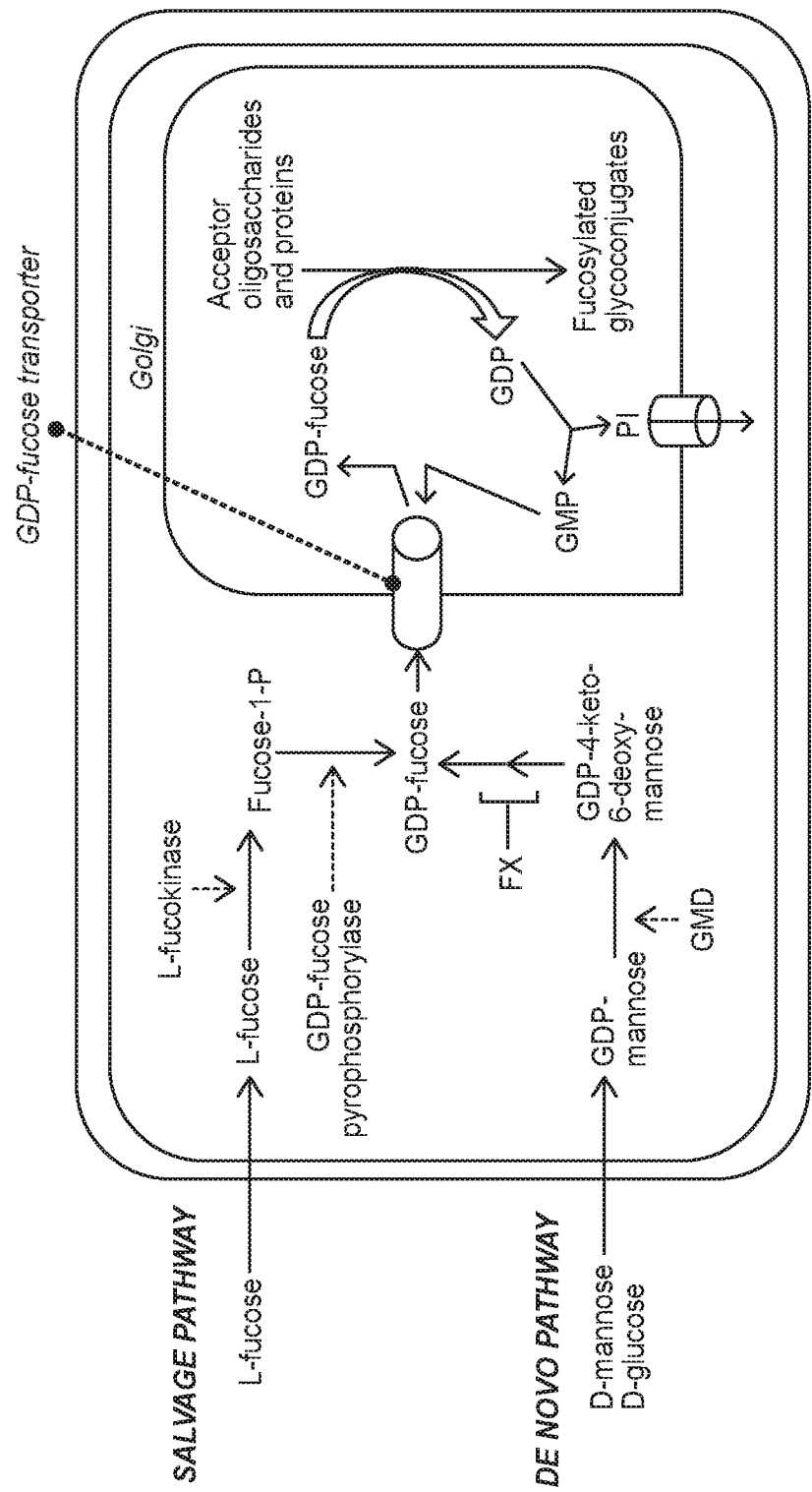


FIGURE 2

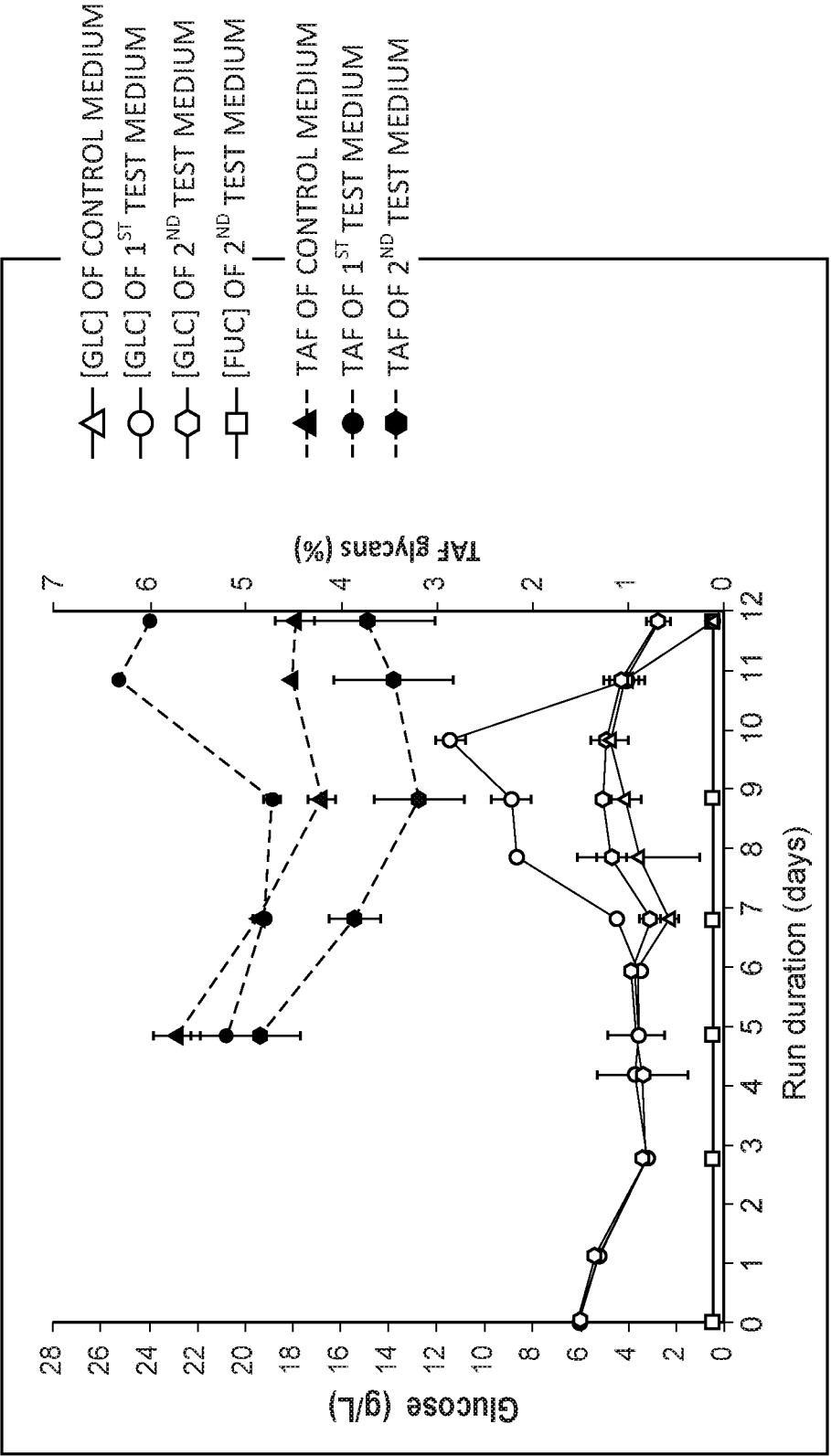


FIGURE 3

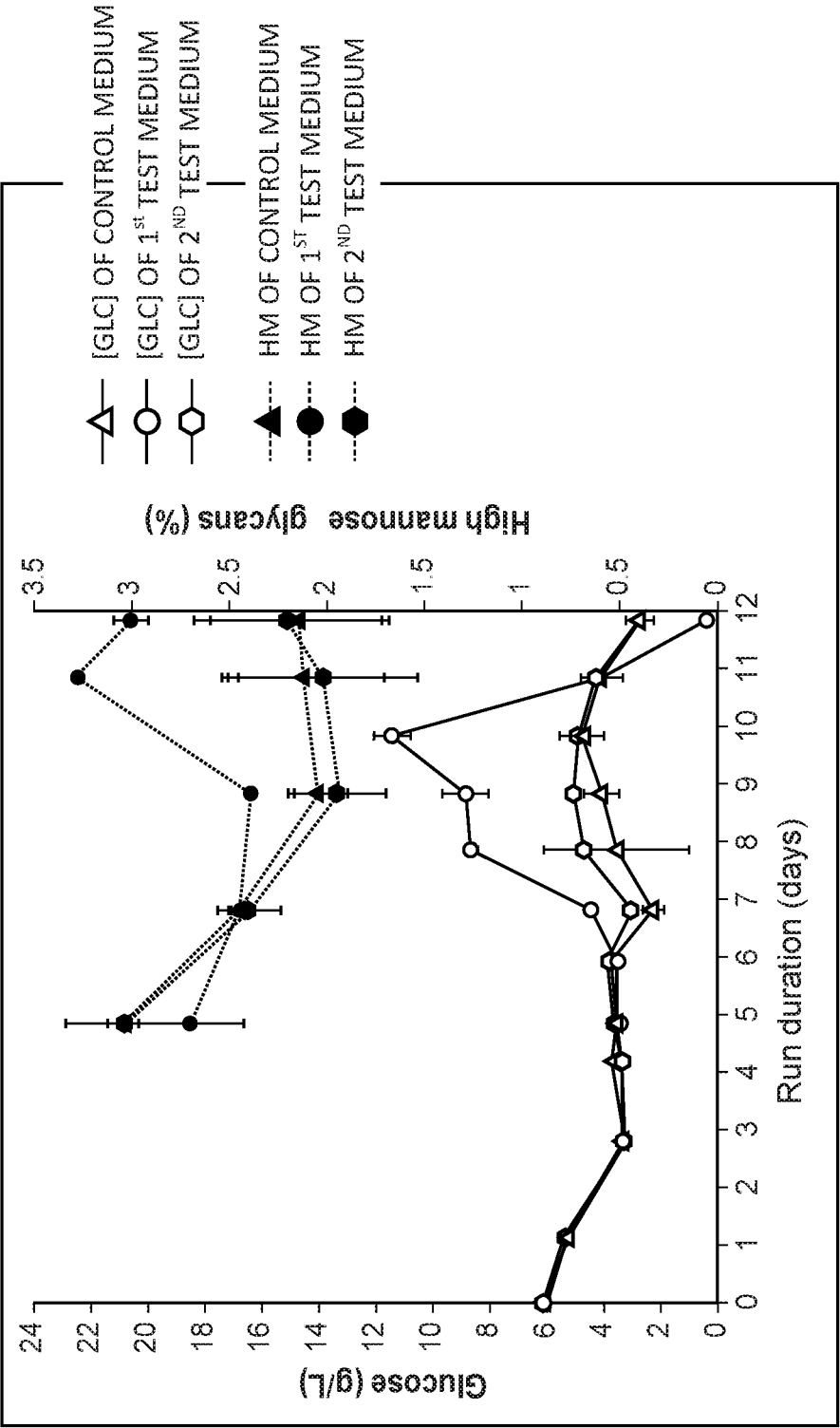


FIGURE 4

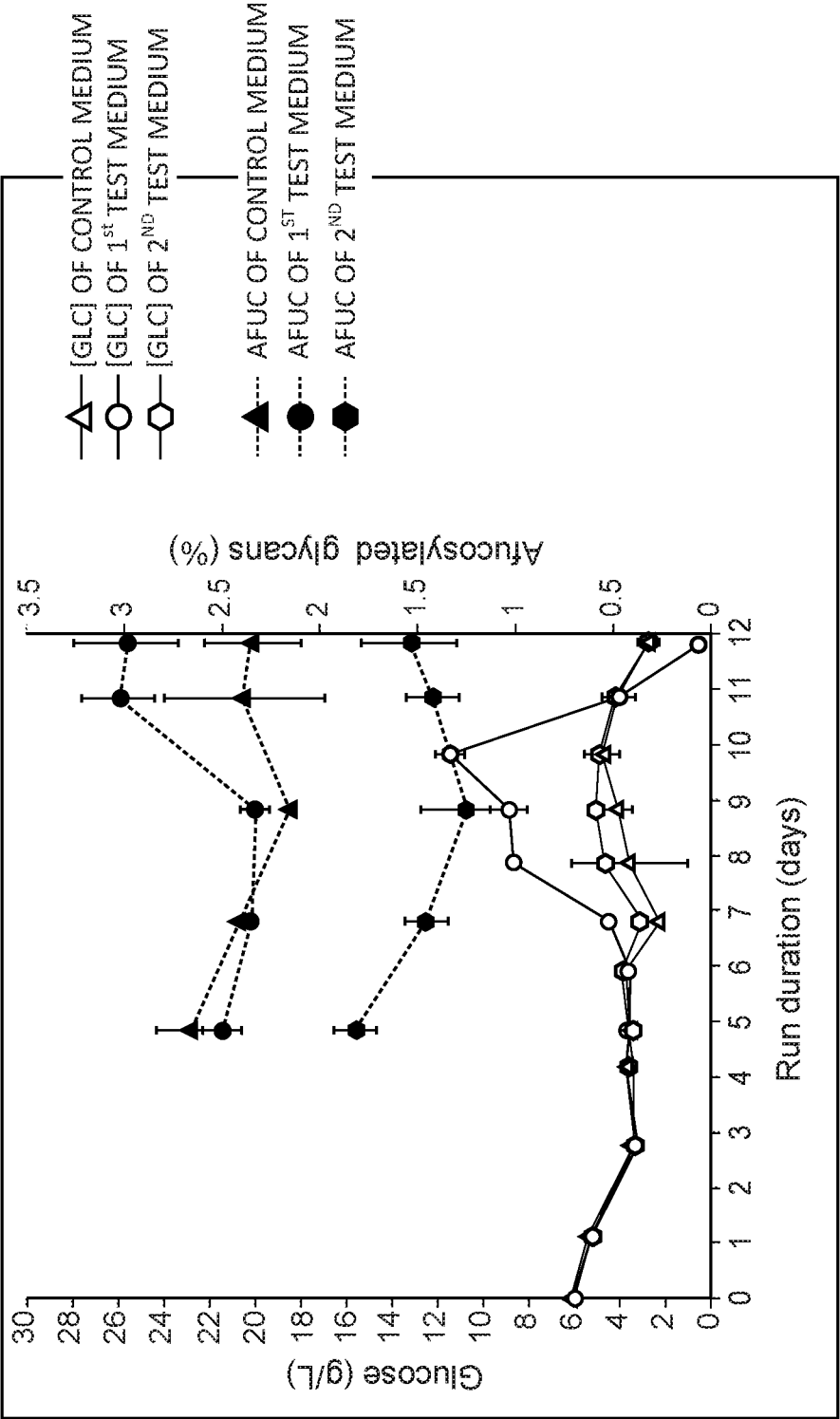


FIGURE 5

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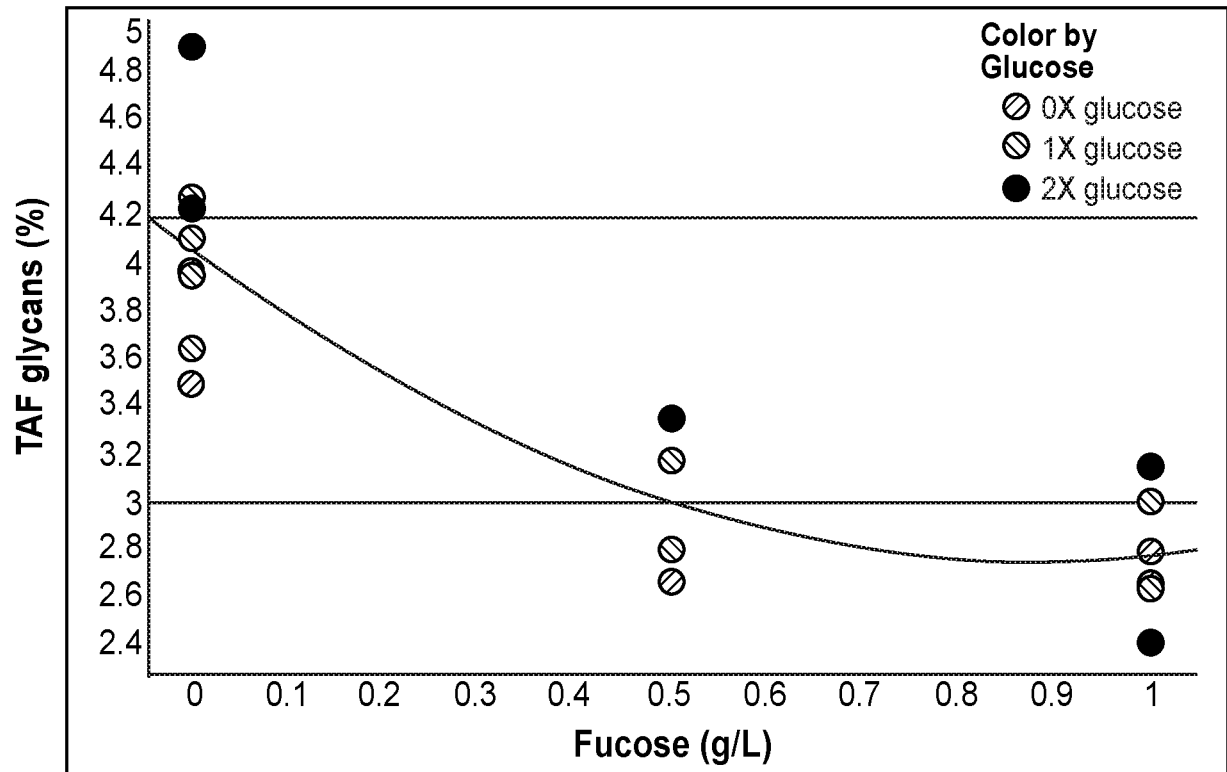


FIGURE 6

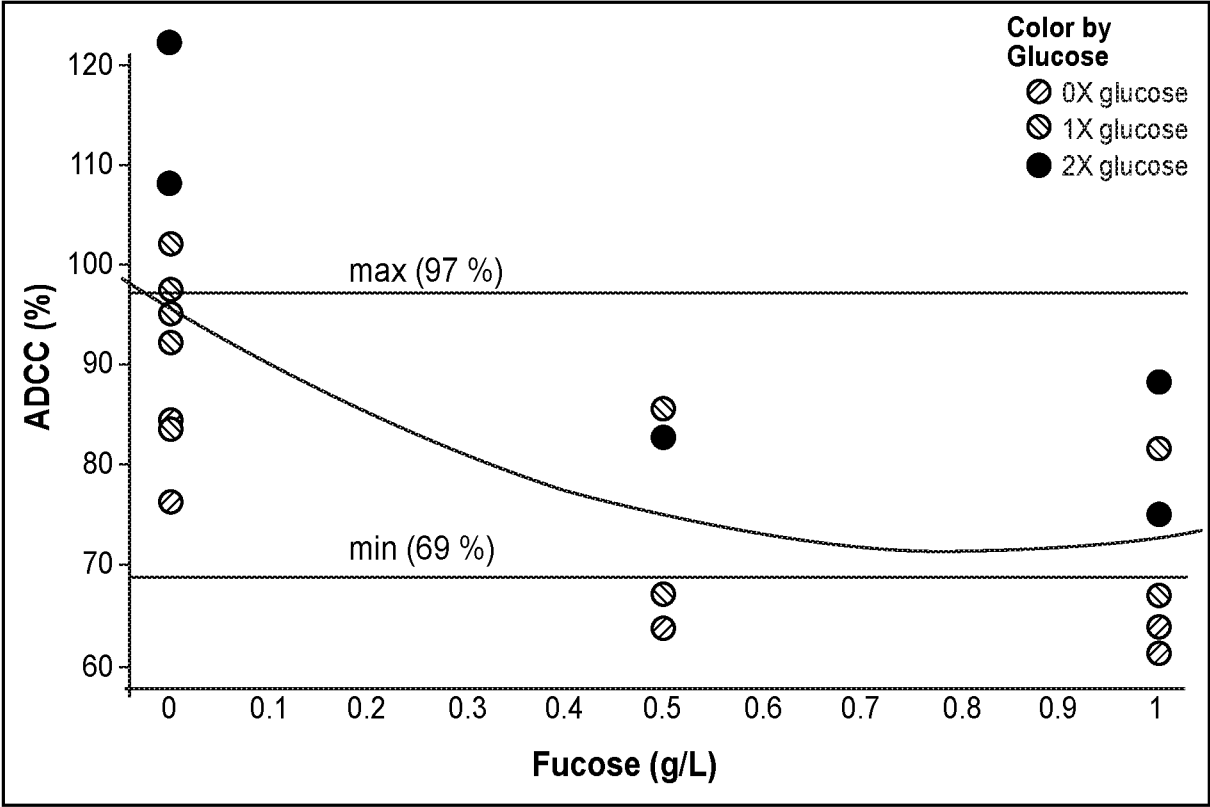
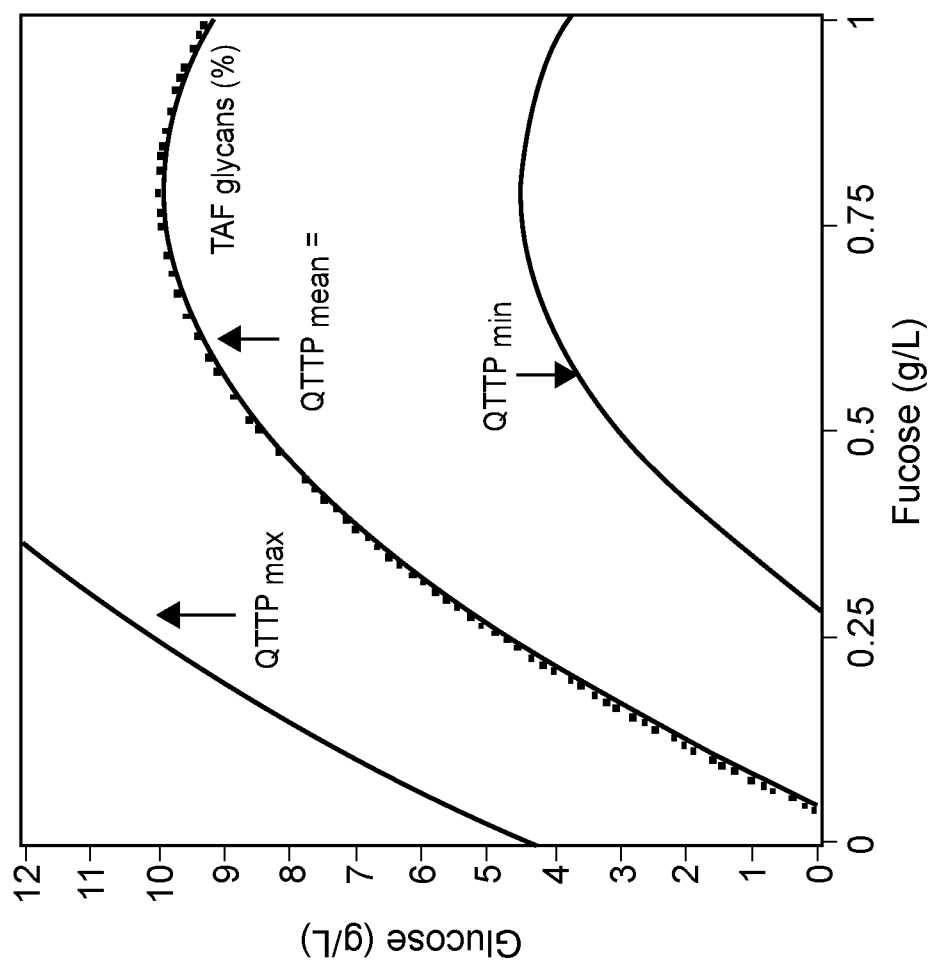


FIGURE 7



$$TAF\ glycans\ (\%) = 3.354 - 1.388 * fucose\left(\frac{g}{L}\right) + 0.111 * glucose\left(\frac{g}{L}\right) + [fucose\left(\frac{g}{L}\right) - 0.4375] * [fucose\left(\frac{g}{L}\right) * 1.9527]$$

FIGURE 8

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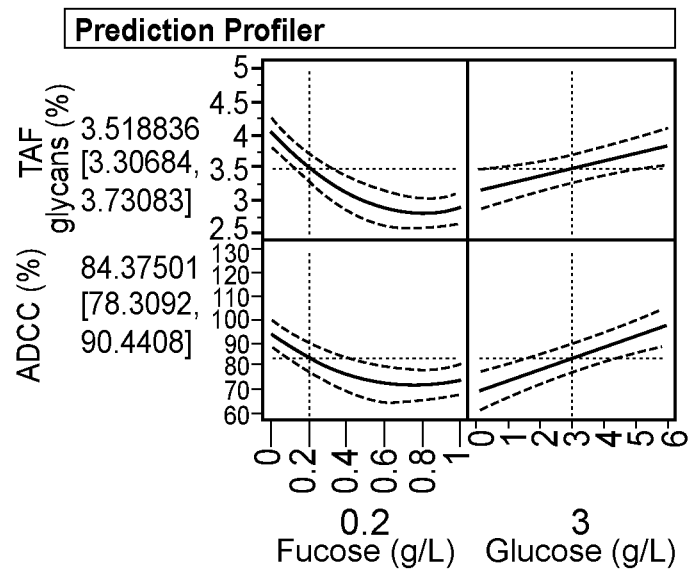


FIGURE 9A

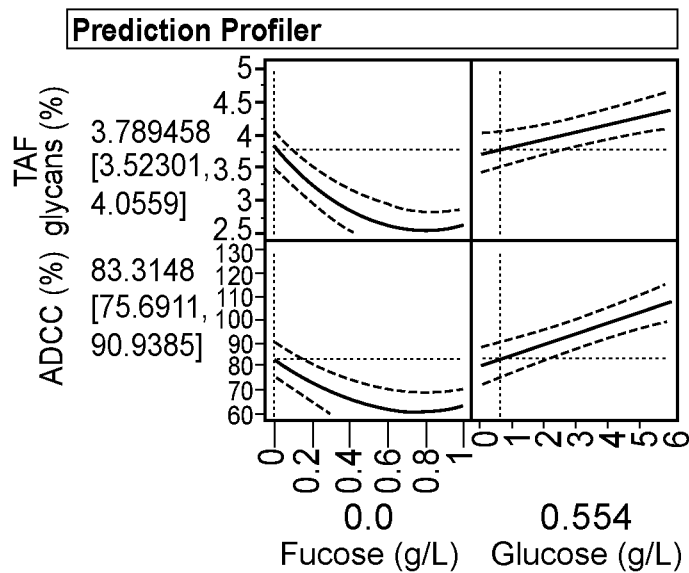


FIGURE 9B

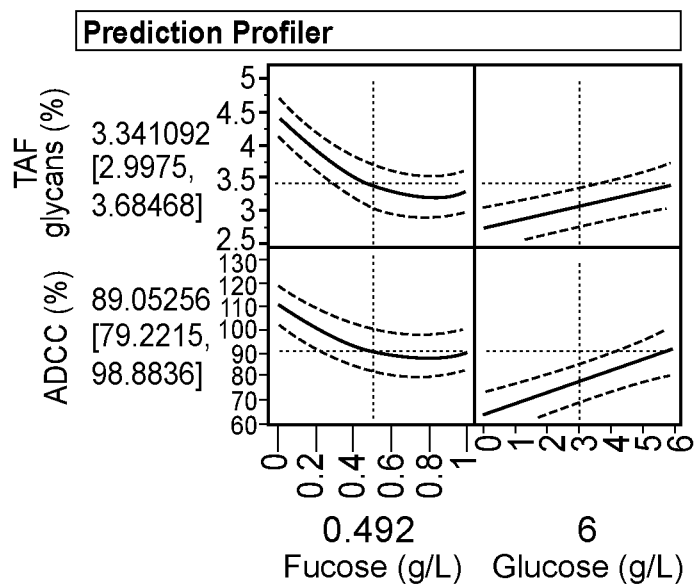
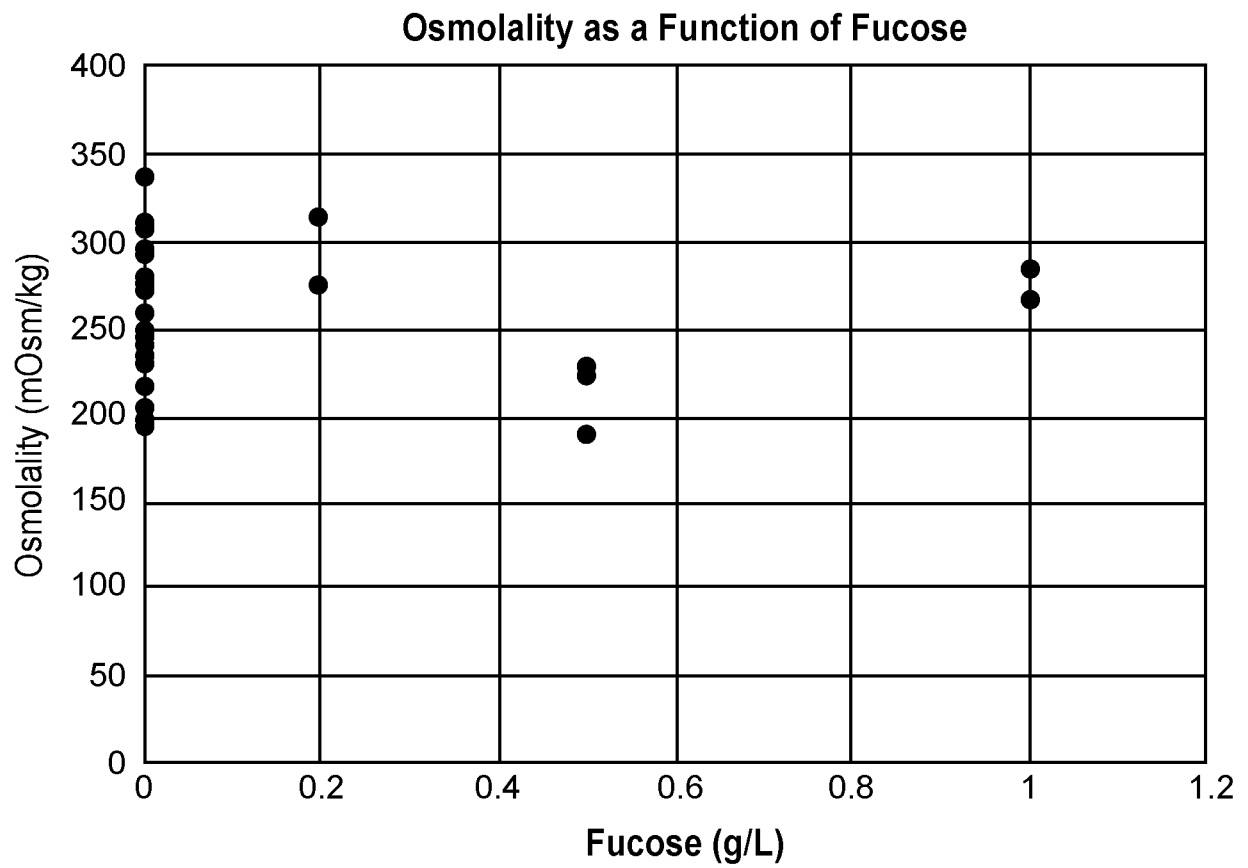


FIGURE 9C

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**FIGURE 10**

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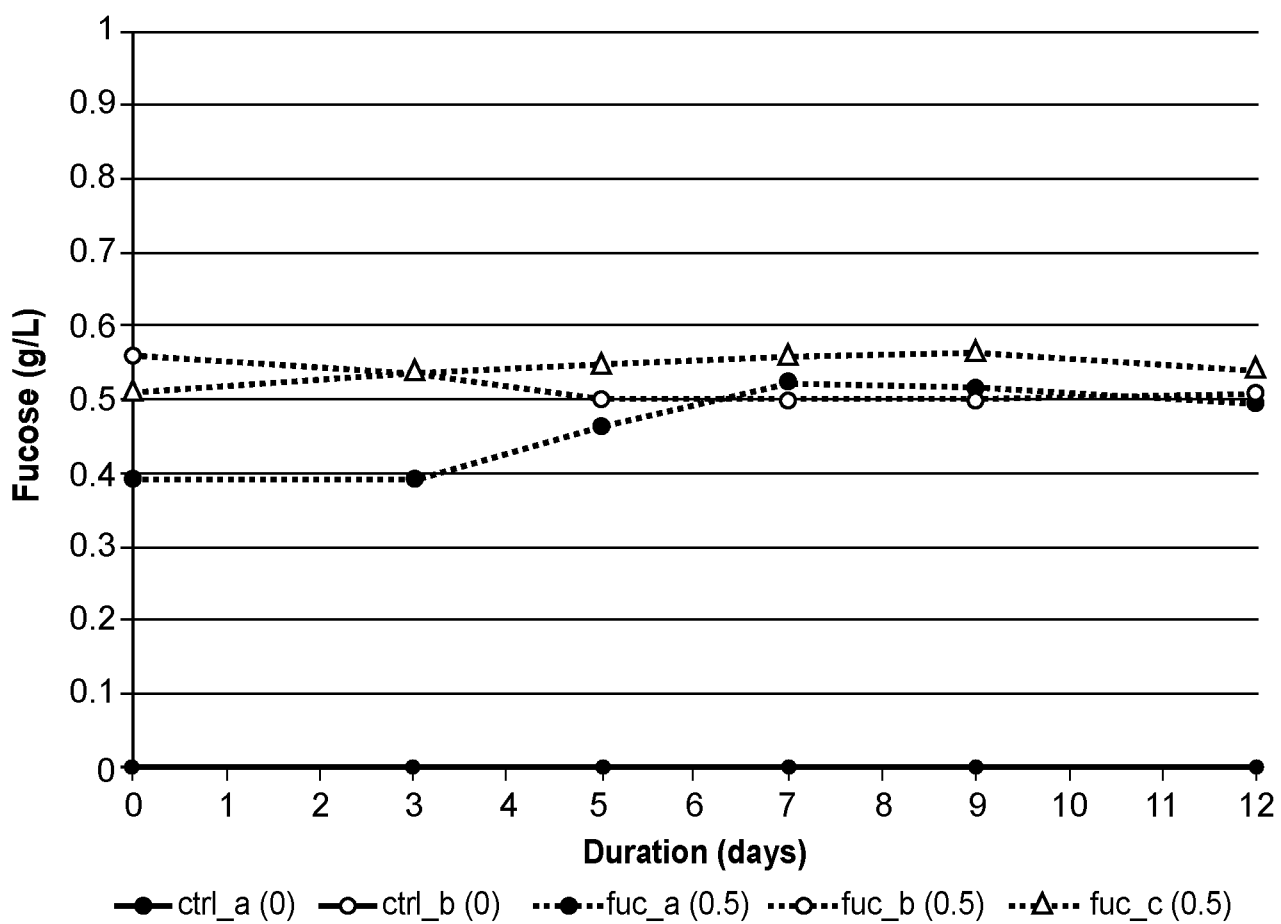


FIGURE 11

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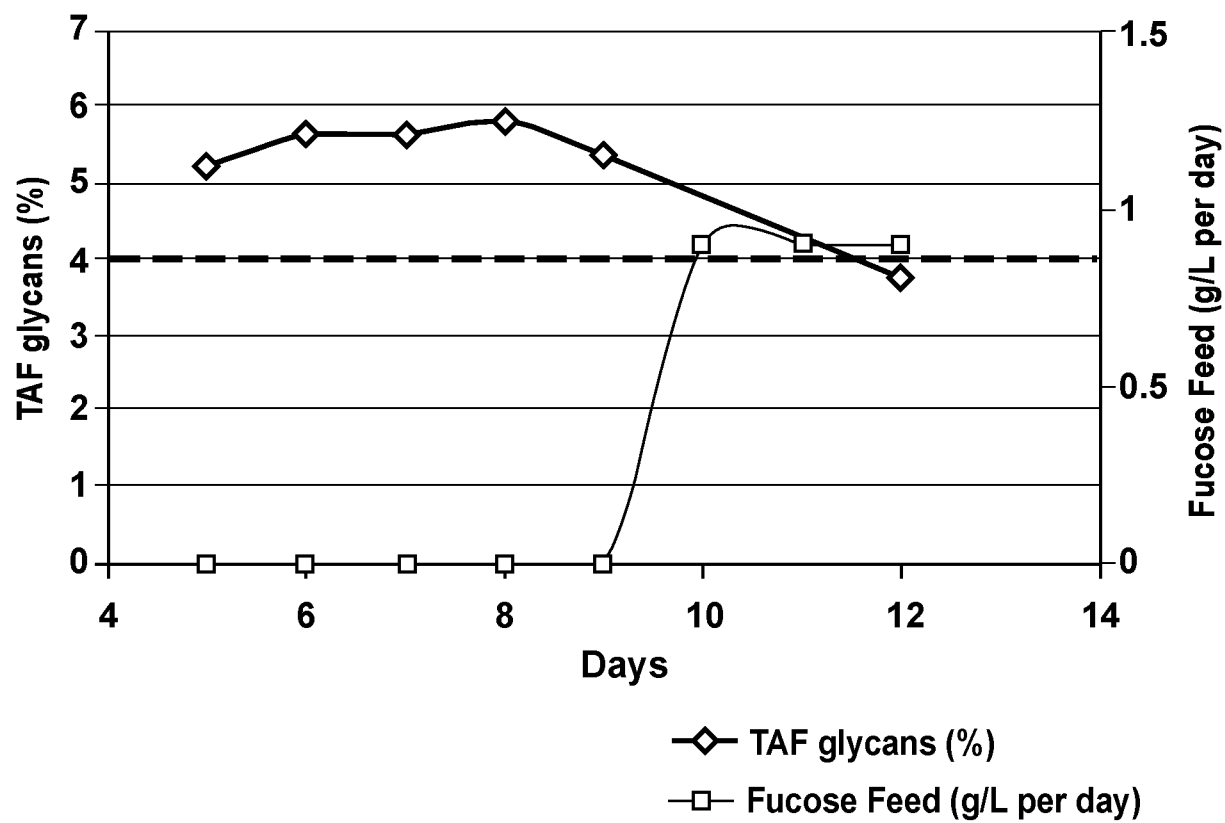


FIGURE 12

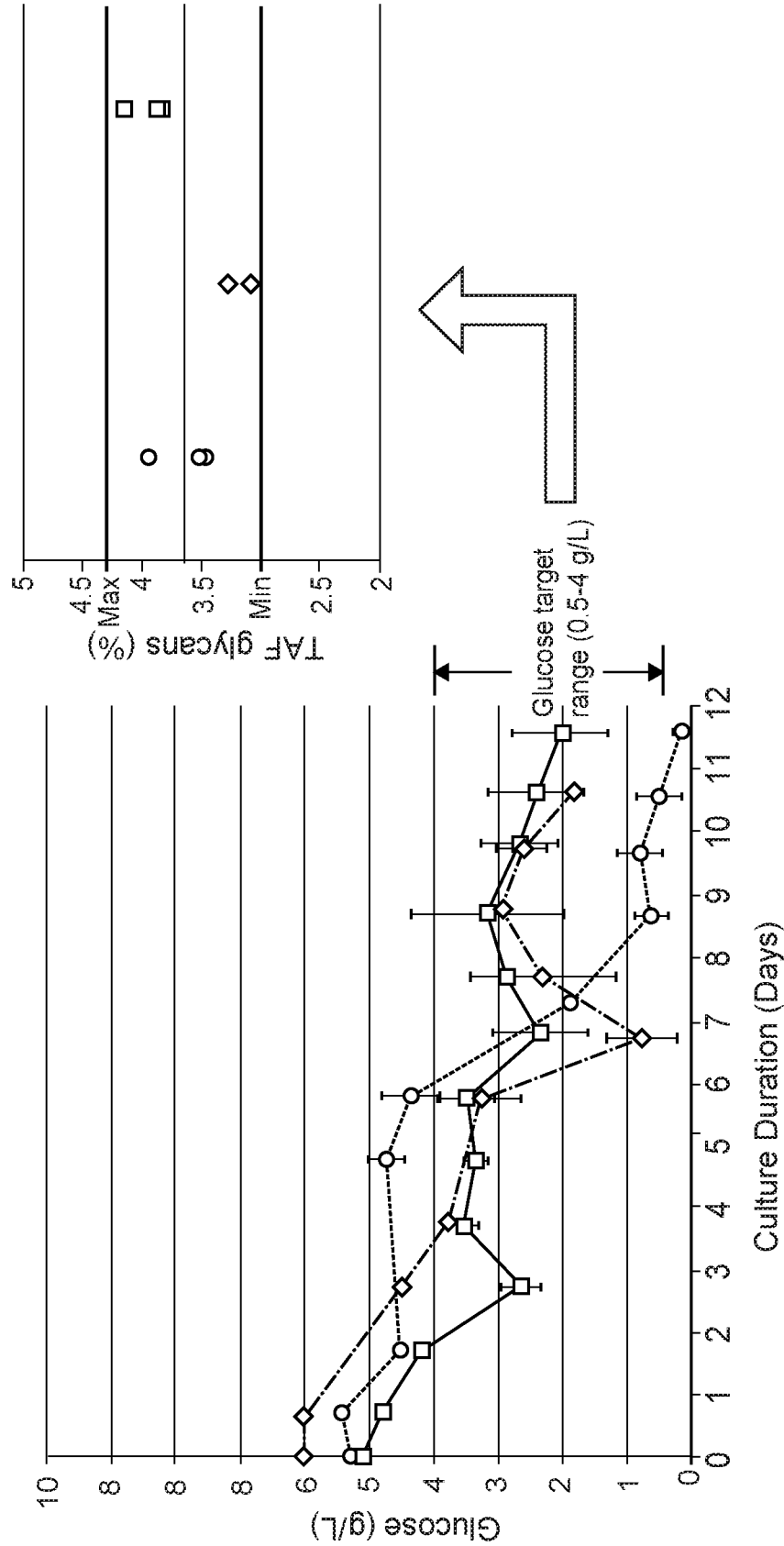


FIGURE 13

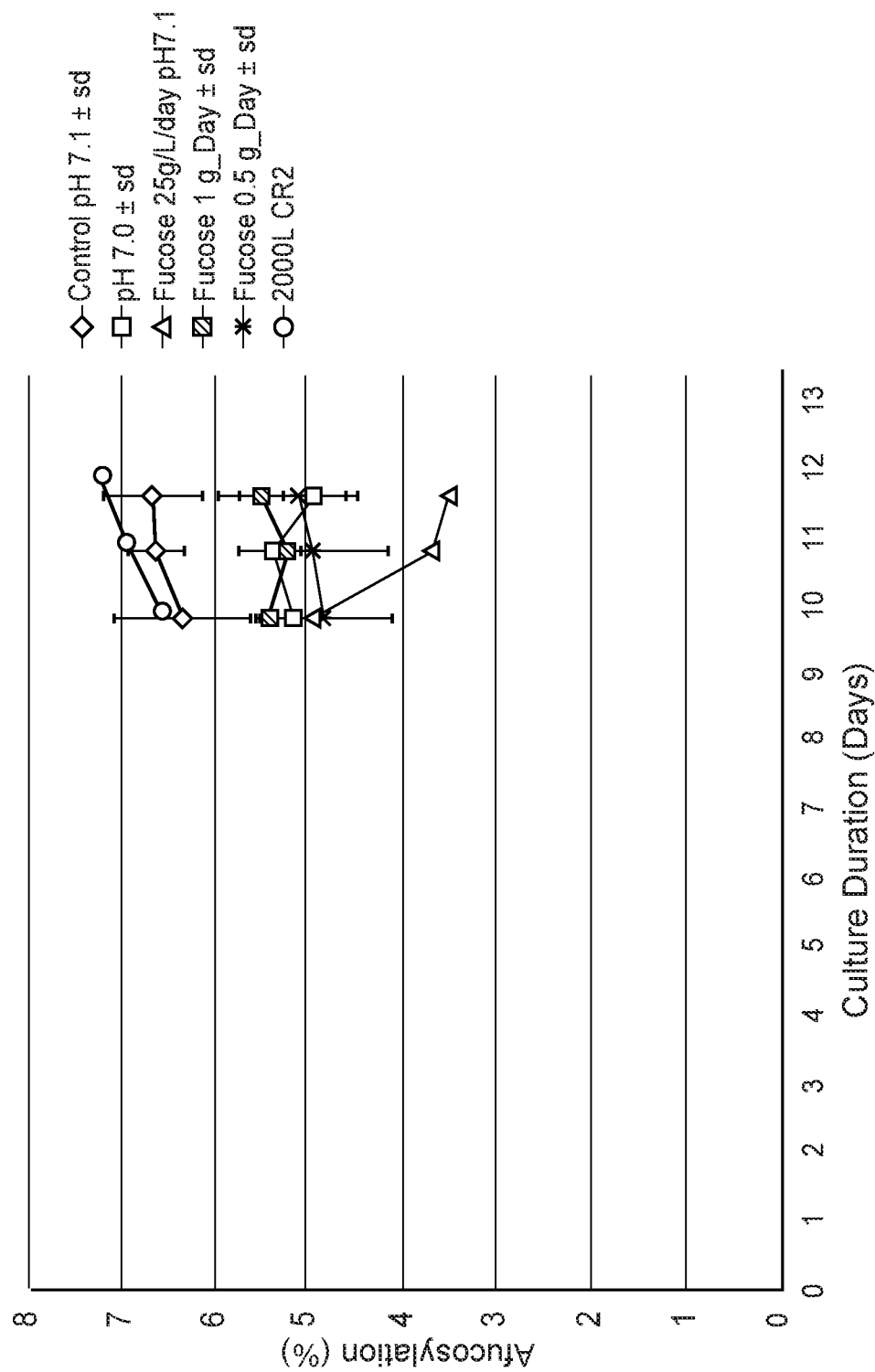


FIGURE 14