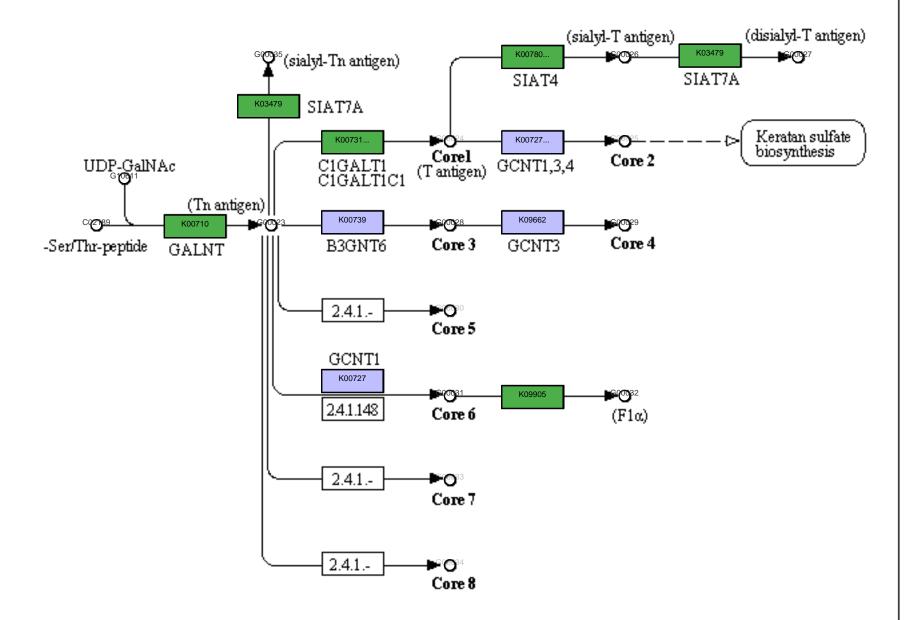
# MUCIN TYPE O-GLYCAN BIOSYNTHESIS



#### Tn antigen

GalNAca1 K00710 Ser/Thr GALNT

#### Sialyl-Tn antigen

Neu5Aca2 K03479 6GalNAca1 K00710 Ser/Thr SIAT7A

## Disialyl-T antigen

Neu5Aca2<sub>ko</sub>.SJAT7A §GalNAca1 <sup>kooz10</sup> Ser/Thr Neu5Aca2<sup>kooz80</sup> 3Gal β1 SIAT4

### Core 1, 2

GIcNAc Bib. 27... GCNT1,3,4

GalNAca1 K00710 Ser/Thr

Gal B1 C1GALT1

C1GALT1C1

#### Core 3, 4

GICNAC β1. GCNT3

§GalNAc α1 K00710 Ser/Thr

GICNAC β1 B3GNT6

#### Core 5

GalNAca1 --- 3GalNAca1 K00710 Ser/Thr

#### Core 6 & Fla

Galβ1<sup>K09905</sup> 4GIcNAc β1<sup>K00727</sup> 6GalNAc α 1 <sup>K00710</sup> Ser/Thr B4GALT5 GCNT1

# Core 7

GalNAca1 --- 6GalNAca1 K00710 Ser/Thr

#### Core 8

Galla1 --- 3GalNAca1 K00710 Ser/Thr