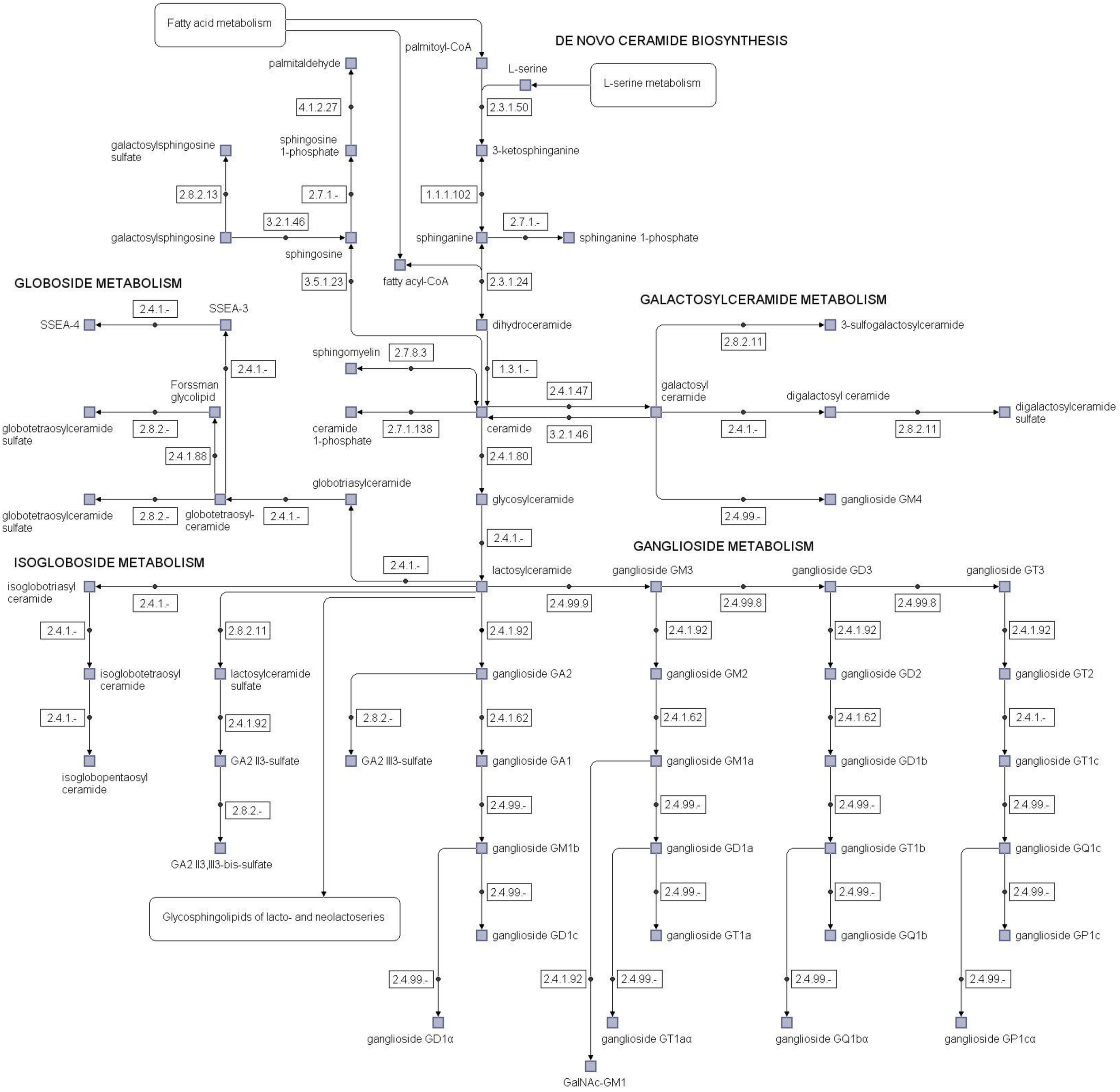
Fatty acid metabolism
DE NOVO CERAMIDE BIOSYNTHESIS
palmitoyl-CoA
palmitaldehyde
L-serine
L-serine metabolism
4.1.2.27
2.3.1.50
galactosylsphingosine sulfate
sphingosine 1-phosphate
3-ketosphinganine
2.8.2.13
2.7.1.-
1.1.1.102
3.2.1.46
2.7.1.-
galactosylsphingosine
sphinganine
sphinganine 1-phosphate
sphingosine
fatty acyl-CoA
GLOBOSIDE METABOLISM
3.5.1.23
2.3.1.24
GALACTOSYLCERAMIDE METABOLISM
2.4.1.-
SSEA-3
SSEA-4
dihydroceramide
3-sulfogalactosylceramide
2.8.2.11
sphingomyelin
2.7.8.3
2.4.1.-
1.3.1.-
Forssman glycolipid
2.4.1.47
galactosyl ceramide
digalactosyl ceramide
digalactosylceramide sulfate
globotetraosylceramide sulfate
2.8.2.-
ceramide 1-phosphate
2.7.1.138
ceramide
3.2.1.46
2.4.1.-
2.8.2.11
2.4.1.88
2.4.1.80
globotriasylceramide
glycosylceramide
ganglioside GM4
globotetraosylceramide sulfate
2.8.2.-
globotetraosyl-ceramide
2.4.1.-
2.4.99.-
2.4.1.-
GANGLIOSIDE METABOLISM
ISOGLOBOSIDE METABOLISM
2.4.1.-
lactosylceramide
ganglioside GM3
ganglioside GD3
ganglioside GT3
isoglobotriasyl ceramide
2.4.1.-
2.4.99.9
2.4.99.8
2.4.99.8
2.4.1.-
2.8.2.11
2.4.1.92
2.4.1.92
2.4.1.92
2.4.1.92
isoglobotetraosyl ceramide
lactosylceramide sulfate
ganglioside GA2
ganglioside GM2
ganglioside GD2
ganglioside GT2
2.4.1.-
2.4.1.92
2.8.2.-
2.4.1.62
2.4.1.62
2.4.1.62
2.4.1.-
isoglobopentaosyl ceramide
GA2 II3-sulfate
GA2 III3-sulfate
ganglioside GA1
ganglioside GM1a
ganglioside GD1b
ganglioside GT1c
2.8.2.-
2.4.99.-
2.4.99.-
2.4.99.-
2.4.99.-
GA2 II3,III3-bis-sulfate
ganglioside GM1b
ganglioside GD1a
ganglioside GT1b
ganglioside GQ1c
Glycosphingolipids of lacto- and neolactoseries
2.4.99.-
2.4.99.-
2.4.99.-
2.4.99.-
ganglioside GD1c
ganglioside GT1a
ganglioside GQ1b
ganglioside GP1c
2.4.99.-
2.4.1.92
2.4.99.-
2.4.99.-
2.4.99.-
2.4.99.-
ganglioside GD1α
ganglioside GT1aα
ganglioside GQ1bα
ganglioside GP1cα
GalNAc-GM1