

Table S1 Information of Sialyltransferase Expression Vector, relate to Figure 1 and Figure S2

DDBJ Accession Number	Gene Name	Representative Substrates	Molecular species	Taxonomy	Expression vector
X73523	St3GalII	Galb1,3GalNAc-s/t	Protein	mouse	pcDNA3.1
X76989	St3GalIII	Galb1,3GalNAc-s/t	Protein	mouse	pcDNA3.1
X84234	ST3GalIII	Galb1,3GlcNAc-,Galb1,4GlcNAc-	Protein	mouse	pSPORT6
X95809	St3GalIV	Galb1,3GlcNAc-,Galb1,4GlcNAc-	Protein	mouse	pcDNA3.1
Y15003	St3GalV	Lactosylceramide→GM3	Lipid	mouse	pMIKneo
AB063326	St3galVI	Galb1.4GlcNAc-	Protein, Lipid	mouse	pMIKneo
D16106	St6GalI	Galb1.4GlcNAc-	Protein	mouse	pcDNA3.1
AK082566	St6GalIII	Galb1.4GlcNAc-	Protein	mouse	pSPORT6
Y11274	St6GalNAcI	GalNAc-S/T, Galb1.3GalNAc-S/T, Sial2.3GalNAc-S/T	Protein	mouse	pcDNA3.1
X93999	St6GalnacII	GalNAc-S/T, Galb1.3GalNAc-S/T, Sial2.3Galb1.3GalNAc-S/T	Protein, Lipid	mouse	pcDNA3.1
Y11342	St6GalnacIII	Sial2.3Galb1.3GalNAc-, GM1b→GD1a	Protein, Lipid	mouse	pMIKneo
Y15780	St6GalnacIV	Sial2.3Galb1.3GalNAc-	Protein	mouse	pcDNA3.1
AB028840	St6GalnacV	Sial2.3Galb1.3GalNAc-, GM1b→GD1a	Lipid	mouse	pMIKneo
AB035123	St6GalnacVI	Sial2.3Galb1.3GalNAc-, GM1b→GD1a, GT1b GD1a Lc4	Lipid	mouse	pMIKneo
X84235	St8SialI	GM3→GD3	Lipid	mouse	pMIKneo
X99646	St8SialII	polysialyltransferase, (Sial2-8)nSia N-glycan on NCAM	Protein	mouse	pcDNA3.1
X80502	St8SialIII	Sial2.3Galb1.4GlcNAc-	Protein	mouse	pcDNA3.1
X86000	St8SialIV	polysialyltransferase, (Sial2-8)nSia	Protein	mouse	pcDNA3.1
X98014	St8SialV	GD1c, GT1a, GQ1b, GT3	Lipid	mouse	pcDNA3.1
AB059554	St8SialVI	O-glycans, Sial2,3(6)Gal-	Protein	mouse	pcDNA3.1

Nucleotide sequence data reported are available in DDBJ

Biosci. Biotechnol. Biochem., 72, 80025-1–13, 2008

Characterization of Mouse Sialyltransferase Genes: Their Evolution and Diversity