
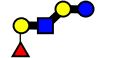

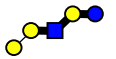


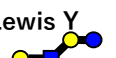







Table 2 Comparison of neutral milk oligosaccharides among Carnivora species

	Dog	Mink	Skunk	Raccoon	White-nosed coati	Japanese black bear	Polar bear	Brown bear	Giant panda	Hooded seal	Harbour seal	Spotted hyena	Lion	Clouded leopard
a 	+	+	+	+	+	+	+	+	-	+	+	+	+	-
b 	-	-	-	+	+	-	-	-	-	+	+	-	-	-
c 	-	+	+	-	+	+	+	+	+	-	-	+	-	-
d 	-	-	+	-	+	-	+	-	-	-	-	-	-	-
e 	+	-	+	-	-	-	+	-	-	-	-	-	+	+
f 	-	-	-	-	-	+	+	-	-	-	-	+	-	-
g 	-	-	-	-	-	-	-	+	-	-	-	-	-	-
h 	-	-	-	-	-	+	+	-	+	-	-	-	-	-
i 	-	-	-	-	-	+	+	+	-	-	-	-	-	-
j 	-	-	-	-	-	-	+	-	-	-	-	-	-	-
k 	-	-	-	-	-	+	-	-	-	-	-	-	-	-
l 	-	-	-	-	-	+	-	-	-	-	-	-	-	-

a: $\text{Fuca}1\text{-}2\text{Gal}\beta 1\text{-}4\text{Glc}$

b: $\text{Fuca}1\text{-}2\text{Gal}\beta 1\text{-}4\text{GlcNAc}\beta 1\text{-}3\text{Gal}\beta 1\text{-}4\text{Glc}$

c: $\text{Gal}\alpha 1\text{-}3\text{Gal}\beta 1\text{-}4\text{Glc}$

d: $\text{Gal}\alpha 1\text{-}3\text{Gal}\beta 1\text{-}4\text{GlcNAc}\beta 1\text{-}3\text{Gal}\beta 1\text{-}4\text{Glc}$

e: $\text{GalNAc}\alpha 1\text{-}3(\text{Fuca}1\text{-}2)\text{Gal}\beta 1\text{-}4\text{Glc}$

f: $\text{Gal}\alpha 1\text{-}3(\text{Fuca}1\text{-}2)\text{Gal}\beta 1\text{-}4\text{Glc}$

g: $\text{Fuca}1\text{-}2\text{Gal}\beta 1\text{-}4(\text{Fuca}1\text{-}3)\text{GlcNAc}\beta 1\text{-}3\text{Gal}\beta 1\text{-}4\text{Glc}$

h: $\text{Gal}\alpha 1\text{-}3\text{Gal}\beta 1\text{-}4(\text{Fuca}1\text{-}3)\text{Glc}$

i: $\text{Gal}\alpha 1\text{-}3\text{Gal}\beta 1\text{-}4(\text{Fuca}1\text{-}3)\text{GlcNAc}\beta 1\text{-}3\text{Gal}\beta 1\text{-}4\text{Glc}$

j: $\text{GalNAc}\alpha 1\text{-}3(\text{Fuca}1\text{-}2)\text{Gal}\beta 1\text{-}4(\text{Fuca}1\text{-}3)\text{Glc}$

k: $\text{Gal}\alpha 1\text{-}3(\text{Fuca}1\text{-}2)\text{Gal}\beta 1\text{-}4(\text{Fuca}1\text{-}3)\text{Glc}$

l: $\text{Gal}\alpha 1\text{-}3(\text{Fuca}1\text{-}2)\text{Gal}\beta 1\text{-}4(\text{Fuca}1\text{-}3)\text{GlcNAc}\beta 1\text{-}3\text{Gal}\beta 1\text{-}4\text{Glc}$