Table S3. Summary of all structures observed in the MALDI-TOF-MS spectra of the duodenum tissue from rabbits, Samples 1-10. The symbol presentation of O-glycans is based on the nomenclature used in Essentials of Glycobiology textbook (http://www.ncbi.nlm.nih.gov/books/NBK1908) and adopted by the Consortium for Functional Glycomics (http://www.functionalglycomics.org). Mass values [M + Na]+, cartoon representation of structure and epitope types are reported for each peak detected. Intensity of the peaks observed is reported for each sample analyzed:

708								Sar	mple				
954	Mass	Structure	Epitope	1	2	3	4	5	6	7	8	9	10
954 954 954 100 100 100 100 100 100 100 1	708		Н	ND	++	+	++	ND	+	-	ND	ND	++
1128	912		В	+++	ND	ND	+	+	+	ND	+	+	ND
1128 H	954		А	+++	ND	ND	-	-	++	+	-	-	
1128 128		○□ •	H or Lewis X	ND	+++	+	+	++	-	-	+	+	+
1128			н	ND	-	-	ND		ND	ND		ND	-
1158 Hor Lewis X ND ND ND ND ND ND ND	1128		Lewis Y	ND	+	+	ND	+	+	ND	ND	ND	+
1199	1158		H or Lewis X	ND	ND	ND	ND	ND	+	ND	ND	ND	-
A ND ND ND ND ++ ++ ++ ++ ++ ++ ++ ++ ++ ++ ++ ++ ++			Н	ND	ND	ND	ND	ND	-	ND	ND	ND	+
1332	1199		H or Lewis X	ND	+	ND			ND	ND	ND	ND	ND
1332		□ ♦	A	ND	ND	ND	++	++	+++	+	ND	+	ND
1362 1373 A ND			А	ND	ND	ND	-	-	-	ND	ND	ND	ND
1362 1373 A ND	1332	№	H	ND	+	ND	ND	ND	+	ND	ND	ND	++
1373 A ND ND ND ND + + + ND													
1403 A	1362		В	+	ND	ND	ND	ND	ND	ND	ND	ND	ND
H or Lewis X ND	1373	□ ♦	А	ND	ND	ND	+	+	+	ND	ND	ND	ND
H or Lewis X ND ND + ND	1403		A	++	+	-	ND	ND	++	ND	ND	ND	ND
H or Lewis X ND		₹	н	-	-	ND	ND	ND	ND	ND	ND	ND	ND
1444			H or Lewis X	ND	ND	+	ND	ND	-	ND	ND	ND	ND
1577		1	H or Lewis X				ND	ND	ND	ND	ND	ND	ND
1577	1444	- 2•	А	ND	ND	ND	ND	ND	+	ND	ND	ND	ND
H and/or Lewis X ND + ND	1577	¥ X	A and Lewis X/H	ND	-	+	ND	ND	+	ND	ND	ND	ND
			H and/or Lewis X	ND	+	ND	ND	ND	ND	ND	ND	ND	ND
1648 A ND ND ND ND + ND ND ND			A and H	ND	+	ND	ND	ND	ND	ND	ND	ND	ND
	1648		A	ND	ND	ND	ND	ND	+	ND	ND	ND	ND
1822 A and Lewis X/H ND ND ND ND + ND ND ND	1822		A and Lewis Y/H	ND	ND	ND	ND	ND	+	ND	ND	ND	ND

ND = not detected

— = very minor component (<25%) — = minor component (25-50%)

+ = major component (> 25%)

++ = very major component (25-50%)

+++ = most abundant component (>50%)