

Supplementary Figure 2. Allelic glycosyltransferase Orf19. Alignment of the amino acid sequences of the Orf19 glycosyltransferases from the *C. jejuni* strains. Only variable residues are shown and "." indicates identical amino acid. The Orf19 from *C. jejuni* strain RM3441 HS:56 (Genbank accession number: EU410351) was also included in this analysis.

				38					78
RM3415f	--MCKISVII	PIYNVEKYLD	ECLKSVINQT	YKDLDIILVD	DGSTDNSLNI	AKEYAKKDER	IFLIAKGNNG	LSSARNAGLE	
RM1861k/GB24k	MNNPL..I..	.....	.....I.....	.....	.....	.....	..IVV.E...	.....
RM2227k/RM2229k	MNNPL..I..	.....	.....I.....	.....	.....	.....	..IVV.E...	.....
LIO87d/RM3418d	--	.....	.....	.....	.....	.....	.....	.....
GB15f	--	.....	.....	.....	.....	.....	.....	.....
RM1221f	--	.....	.....	.....	.....	.....	.....	.....
RM1508j/RM1163j	--	.....	.....	.....	.....	.....	.....	.....
RM1850i/RM3419s	--	.....	.....K.....	.....N.....	.....I.....	.....	.....T.E...	.....
RM3437q	--	.....	.....S.....	.....K.....	.....R.....	.....	.....T.E...	.....
RM3441?	--	.....	.....I.....	.....	.....S.....	.....	.....	.....
				118					158
RM3415f	FIKGTCLRDF	FENEENIISY	KQSNTFKNST	KELTKEEINK	NFTKLSKNII	QTKLKNLND	IIQDLPDNI	HFLSDDDYLE	
RM1861k/GB24k	.....	.....EK.....	.....	.....	.....	.....I.....	.....A.....	.....
RM2227k/RM2229k	.....	.....EK.....	.....I.....	.....	.....	.....I.....	.....A.....	.....
LIO87d/RM3418d	.....	.....	.....	.....	.....	.....	.....	.....
GB15f	.....	.....	.....	.....	.....	.....	.....	.....
RM1221f	.....	.....	.....	.....	.....	.....	.....	.....
RM1508j/RM1163j	.....	.....	.....	.....	.....	.....	.....	.....
RM1850i/RM3419s	.....	.....	.....	.....	.....	.....	.....	.....
RM3437q	.....	.....	.....K.....N.....	.....K.....	.....	.....	.....	.....D	
RM3441?	.....	.....	.....	.....	.....	.....	.....	.....
				198					238
RM3415f	LDCIEKCVNE	MSKDDIDICT	HNIKEFLEEE	QVFRQKAECD	IYLNCKYTKN	ISGIDFFKKN	NICEFYFAWQ	GSFRAKLLNI	
RM1861k/GB24k	.....	.....N.....	.....	.....I.....	.....	.....	.....	.....A.....	
RM2227k/RM2229k	.....	.....N.....	.....	.....I.....	.....	.....	.....	.....A.....	
LIO87d/RM3418d	.....	.....	.....	.....	.....	.....	.....	.....
GB15f	.....	.....	.....	.....	.....	.....	.....	.....
RM1221f	.....	.....	.....	.....	.....	.....	.....	.....
RM1508j/RM1163j	.....	.....	.....	.....	.....	.....	.....	.....
RM1850i/RM3419s	.....	.....	.....	.....	.....	.....	.....	.....A.....	
RM3437q	.....	.....	.....	.....	.....A.....	.....	.....	.....A...S...A	
RM3441?	.....	.....	.....K.....	.....	.....	.....G.....	.....	.....A...V...T	
				278					318
RM3415f	YKLRFTYGIY	HEDHDFGTIL	FLSAKKITCV	KEELLIYRIR	ANSIIKSEKE	KIIPQSIPFY	LEPLRYFDD	YSKLRAYFKA	
RM1861k/GB24k	.....	.....	.....	.....	.....	.....N.....	.....H.....	.....
RM2227k/RM2229k	.....	.....	.....	.....	.....	.....N.....	.....H.....	.....
LIO87d/RM3418d	.....	.....	.....T.....	.....	.....	.....	.....	.....
GB15f	.....	.....	.....	.....	.....	.....	.....	.....
RM1221f	.....	.....	.....	.....	.....	.....	.....	.....
RM1508j/RM1163j	.....	.....	.....	.....	.....	.....	.....	.....
RM1850i/RM3419s	.....	.....	.....	.....	.....	.....	.....	.....
RM3437q	.....	.....	.....	.....I.....	.....F.....	.....KNM.....	.....H.....	.....
RM3441?	.....	.....	.....	.....	.....	.....	.....	.....
				358					398
RM3415f	YCMCVIGVNI	LLFCKESNIL	DKKTPNKIFL	HYIHYYLEQY	YPLNYLNIND	LFTLVGINLK	LFRFKIMLRF	YFRHPKKIFK	
RM1861k/GB24k	.....	.....S.....	.....LQ.....	.....	.....K.....	.....L.....	.....F.S.L.....	.....Q.LR.....	
RM2227k/RM2229k	.....	.....S.....	.....LQ.....	.....	.....K.....	.....L.....	.....F.S.L.....	.....Q.LR.....	
LIO87d/RM3418d	.....	.....M.A.....	.....LQ.....	.....	.....K.....	.....	.....F.....	.....
GB15f	.....	.....	.....	.....	.....	.....	.....F.....	.....L.....	
RM1221f	.....	.....	.....LQI.Y.....	.....	.....K.....	.....	.....F.....	.....
RM1508j/RM1163j	.....	.....	.....LQI.Y.....	.....	.....K.....	.....	.....F.....	.....L.....	
RM1850i/RM3419s	.....	.....M.A.....	.....LQ.....	.....	.....IK.....	.....	.....F.....	.....L.....	
RM3437q	.....	.....K.....	.....R.....	.....NE.LA.....	.....I.....	.....K.....	.....A.A...R.F.....	.....RLLF.L.....	
RM3441?	.....	.....	.....LQ.....	.....	.....K.....	.....A.....	.....F.....	.....
				KNNA					
RM3415f				.K..					
RM1861k/GB24k				.K..					
RM2227k/RM2229k				....				
LIO87d/RM3418d				....				
GB15f				....				
RM1221f				....				
RM1508j/RM1163j				....				
RM1850i/RM3419s				....				
RM3437q				....				
RM3441?				....				