

**Supplementary Table S1.** The plasma N-glycan peaks separated by the HILIC and their composition as described by Gudelj et al. [17] and Saldova et al. [27].

Glycan peak	Major glycan structure	Description
GP1	FA2	agalactosylated
GP2	M5, FA2B	high mannose (M5), agalactosylated with bisecting GlcNAc (FA2B)
GP3	A2[6]BG1	monogalactosylated with bisecting GlcNAc
GP4	FA2[6]G1	monogalactosylated with core fucose
GP5	FA2[3]G1	monogalactosylated with core fucose
GP6	FA2[6]BG1	monogalactosylated with core fucose and bisecting GlcNAc
GP7	M6	high mannose
GP8	A2G2	digalactosylated
GP9	A2BG2	digalactosylated with bisecting GlcNAc
GP10	FA2G2	digalactosylated with core fucose
GP11	FA2BG2	digalactosylated with core fucose and bisecting GlcNAc
GP12	A2[3]BG1S(3)1	monogalactosylated with bisecting glcnac
GP13	FA2[3]G1S(3)1	monogalactosylated and sialylated with core fucose
GP14	A2G2S(6)1	digalactosylated and sialylated
GP15	A2BG2S1	digalactosylated and sialylated with bisecting glcnac
GP16	FA2G2S(6)1	digalactosylated and sialylated with core fucose
GP17	FA2BG2S(3)1	digalactosylated and sialylated with bisecting glcnac and core fucose
GP18	A2G2S(3,6)2	digalactosylated and disialylated
GP19	M9	high mannose
GP20	A2G2S(3,6)2	digalactosylated and disialylated
GP21	A2BG2S2	digalactosylated and disialylated with bisecting glcnac
GP22	FA2G2S(3,6)2	digalactosylated and disialylated with core fucose
GP23	FA2BG2S(3,6)2	digalactosylated and disialylated with bisecting glcnac and core fucose
GP24	A3G3S(3,6)2	trigalactosylated and disialylated
GP25	A3BG3S2	trigalactosylated and disialylated with bisecting glcnac
GP26	A3G3S(3,3)2	trigalactosylated and disialylated
GP27	A3G3S(3,3,3)3	trigalactosylated and trisialylated
GP28	A3G3S(3,3,6)3	trigalactosylated and trisialylated
GP29	FA3G3S(3,3,3)3	trigalactosylated and trisialylated with core fucose
GP30	A3G3S(3,3,6)3	trigalactosylated and trisialylated
GP31	FA3G3S(3,3,6)3	trigalactosylated and trisialylated with core fucose
GP32	A3F1G3S(3,3,3)3	trigalactosylated and trisialylated with antennary fucose
GP33	A4G4S(3,3,3)3	tetragalactosylated and trisialylated
GP34	A4G4S(3,3,6)3	tetragalactosylated and trisialylated
GP35	A4F1G3S(3,3,3)3	tetragalactosylated and trisialylated with antennary fucose
GP36	A4G4S(3,3,3,3)4	tetragalactosylated and tetrasialylated
GP37	A4G4S(3,3,3,6)4	tetragalactosylated and tetrasialylated
GP38	A4G4S(3,6,6,6)4	tetragalactosylated and tetrasialylated
GP39	A4F1G4S(3,3,3,6)4	tetragalactosylated and etrasialylated with antennary fucose

Structure abbreviations: all N-glycans have two core N-acetylglucosamines (GlcNAcs); F at the start of the abbreviation indicates a core fucose  $\alpha$ 1-6 linked to the inner GlcNAc; M<sub>x</sub>, number (x) of mannose on core GlcNAcs; A<sub>x</sub>, number of antenna (GlcNAc) on trimannosyl core; B, bisecting GlcNAc linked  $\beta$ 1-4 to  $\beta$ 1-3 mannose; G<sub>x</sub>, number (x) of  $\beta$ 1-4 linked galactose on antenna; [3]G1 and [6]G1 indicates that the galactose is on the antenna of the  $\alpha$ 1-3 or  $\alpha$ 1-6 mannose; F(x), number (x) of fucose linked  $\alpha$ 1-3 to antenna GlcNAc; S<sub>x</sub>, number (x) of sialic acids linked to galactose; the numbers 3 or 6 or in parentheses after S indicate whether the sialic acid is in an  $\alpha$ 2-3 or  $\alpha$ 2-6 linkage. If there is no linkage number, the exact link is unknown.

**Supplementary Table S2.** The IgG N-glycan peaks separated by the HILIC-UPLC and their composition as described by Nikolac Perkovic et al. [28]

Glycan peak	Major glycan structure	Description
IgGP1	FA1	agalactosylated with core fucose
IgGP2	A2	agalactosylated
IgGP3	A2B	agalactosylated with bisecting GlcNAc
IgGP4	FA2	agalactosylated with core fucose
IgGP5	M5	high mannose
IgGP6	FA2B	agalactosylated with core fucose and bisecting GlcNAc
IgGP7	A2G1	monogalactosylated
IgGP8	FA2[6]G1	monogalactosylated with core fucose
IgGP9	FA2[3]G1	monogalactosylated with core fucose
IgGP10	FA2[6]BG1	monogalactosylated with core fucose and bisecting GlcNAc
IgGP11	FA2[3]BG1	monogalactosylated with core fucose and bisecting GlcNAc
IgGP12	A2G2	digalactosylated
IgGP13	A2BG2	digalactosylated with bisecting GlcNAc
IgGP14	FA2G2	digalactosylated with core fucose
IgGP15	FA2BG2	digalactosylated with core fucose and bisecting GlcNAc
IgGP16	FA2G1S1	monogalactosylated and sialylated with core fucose
IgGP17	A2G2S1	digalactosylated and sialylated
IgGP18	FA2G2S1	digalactosylated and sialylated with core fucose
IgGP19	FA2BG2S1	digalactosylated and sialylated with core fucose and bisecting GlcNAc
IgGP20	n.d.	structure not determined
IgGP21	A2G2S2	digalactosylated and disialylated
IgGP22	A2BG2S2	digalactosylated and disialylated with bisecting GlcNAc
IgGP23	A2G2S2	digalactosylated and disialylated with core fucose
IgGP24	FA2BG2S2	digalactosylated and disialylated with core fucose and bisecting GlcNAc

Structure abbreviations: all N-glycans have two core N-acetylglucosamines (GlcNAcs); F at the start of the abbreviation indicates a core fucose  $\alpha$ 1-6 linked to the inner GlcNAc; M<sub>x</sub>, number (x) of mannose on core GlcNAcs; A<sub>x</sub>, number of antenna (GlcNAc) on trimannosyl core; B, bisecting GlcNAc linked  $\beta$ 1-4 to  $\beta$ 1-3 mannose; G<sub>x</sub>, number (x) of  $\beta$ 1-4 linked galactose on antenna; [3]G1 and [6]G1 indicates that the galactose is on the antenna of the  $\alpha$ 1-3 or  $\alpha$ 1-6 mannose; F(x), number (x) of fucose linked  $\alpha$ 1-3 to antenna GlcNAc; S<sub>x</sub>, number (x) of sialic acids linked to galactose; the numbers 3 or 6 or in parentheses after S indicate whether the sialic acid is in an  $\alpha$ 2-3 or  $\alpha$ 2-6 linkage. If there is no linkage number, the exact link is unknown.

**Supplementary Table S3.** The associations of the *HNF1A* rs7953249 and rs735396 genotypes, alleles and haplotypes with the N-glycan levels in the control subjects and the patients with PTSD.

Glycan peak		<i>HNF1A AS1</i>			<i>HNF1A</i>			Haplotype	
		Control subjects	Subjects with PTSD		Control subjects	Subjects with PTSD		Control subjects	Subjects with PTSD
GP20	<b>AA</b>	0.665 (-1.258; 2.098)	0.495 (-1.385; 1.834)	TT	0.633 (-1.022; 1.975)	0.413 (-0.936; 1.834)			
	<b>AG</b>	0.082 (-1.492; 1.350)	-0.164 (-1.728; 1.405)	TC	0.089 (-1.493; 1.236)	-0.095 (-1.866; 1.547)	AT	0.397 (-1.286; 1.846)	0.230 (-1.493; 1.754)
	<b>GG</b>	-0.065 (-1.677; 1.100)	0.329 (-1.751; 2.309)	CC	-0.731 (-2.394; 0.555)	0.329 (-2.082; 1.673)	GC	-0.220 (-1.677; 1.083)	0.105 (-1.751; 1.579)
		H=4.337; df=2; p=0.114	H=2.353; df=2; p=0.308		H=7.421; df=2; p=0.024	H=2.832; df=2; p=0.243	GT	0.633 (-0.760; 1.563)	-0.067 (-1.481; 1.447)
	<b>A</b>	0.406 (-1.309; 1.809)	0.191 (-1.519; 1.712)	T	0.471 (-1.258; 1.788)	0.191 (-1.493; 1.754)	AC	0.472 (-2.087; 1.382)	-1.221 (-2.411; 1.622)
	<b>G</b>	0.000 (-1.494; 1.307)	0.103 (-1.751; 1.579)	C	-0.182 (-1.728; 1.086)	0.032 (-1.885; 1.579)		H=8.145; df=3; p=0.043	H=3.366; df=3; p=0.339
		U=29274.5; p=0.036	U=39466.5; p=0.429		U=26244.0; <b>p=0.005</b>	U=36330.5; p=0.190			
GP24	<b>AA</b>	-0.114 (-0.340; 0.219)	-0.078 (-0.306; 0.224)	TT	-0.123 (-0.340; 0.171)	-0.043 (-0.292; 0.246)			
	<b>AG</b>	-0.092 (-0.297; 0.202)	0.068 (-0.241; 0.367)	TC	-0.052 (-0.297; 0.267)	0.075 (-0.229; 0.365)	AT	-0.107 (-0.324; 0.207)	-0.016 (-0.271; 0.277)
	<b>GG</b>	0.057 (-0.223; 0.330)	0.046 (-0.183; 0.322)	CC	0.072 (-0.094; 0.261)	0.016 (-0.323; 0.199)	GC	0.028 (-0.242; 0.264)	0.075 (-0.213; 0.356)
		H=4.569; df=2; p=0.102	H=6.779; df=2; p=0.034		H=6.657; df=2; p=0.036	H=3.704; df=2; p=0.157	GT	-0.107 (-0.336; 0.260)	0.000 (-0.255; 0.317)
	<b>A</b>	-0.098 (-0.315; 0.215)	-0.027 (-0.292; 0.263)	T	-0.107 (-0.324; 0.211)	-0.015 (-0.271; 0.286)	AC	0.000 (-0.300; 0.354)	-0.239 (-0.378; 0.094)
	<b>G</b>	-0.002 (-0.270; 0.264)	0.053 (-0.224; 0.354)	C	0.022 (-0.245; 0.265)	0.034 (-0.242; 0.322)		H=7.072; df=3; p=0.070	H=11.942; df=3; <b>p=0.008</b>
		U=29452.5; p=0.046	U=36322.5; p=0.019		U=26502.0; <b>p=0.008</b>	U=36850.5; p=0.296			
GP27	<b>AA</b>	-0.035 (-0.245; 0.137)	0.137 (-0.101; 0.313)	TT	-0.047 (-0.245; 0.137)	0.110 (-0.126; 0.277)			
	<b>AG</b>	-0.071 (-0.248; 0.104)	0.030 (-0.195; 0.180)	TC	-0.069 (-0.267; 0.104)	0.032 (-0.185; 0.186)	AT	-0.049 (-0.245; 0.116)	0.081 (-0.132; 0.268)
	<b>GG</b>	-0.167 (-0.355; 0.142)	-0.094 (-0.245; 0.142)	CC	-0.179 (-0.371; 0.079)	-0.146 (-0.338; 0.137)	GC	-0.134 (-0.314; 0.098)	-0.045 (-0.240; 0.156)
		H=3.248; df=2; p=0.197	H=12.838; df=2; <b>p=0.002</b>		H=4.628; df=2; p=0.099	H=12.259; df=2; <b>p=0.002</b>	GT	-0.071 (-0.255; 0.172)	0.047 (-0.184; 0.222)
	<b>A</b>	-0.045 (-0.245; 0.114)	0.082 (-0.138; 0.272)	T	-0.049 (-0.247; 0.119)	0.069 (-0.140; 0.268)	AC	0.019 (-0.314; 0.113)	0.138 (-0.251; 0.330)

	<b>G</b>	-0.093 (-0.278; 0.105)	-0.035 (-0.221; 0.176)	<b>C</b>	-0.118 (-0.314; 0.099)	-0.035 (-0.245; 0.182)		H=5.798; df=3; p=0.122	H=13.673; df=3; <b>p=0.003</b>
		U=29824.5; p=0.077	U=34190.5; <b>p=0.001</b>		U=27360.0; p=0.033	U=32402.5; <b>p=0.001</b>			
GP28	<b>AA</b>	-0.028 (-0.110; 0.092)	-0.060 (-0.168; 0.045)	<b>TT</b>	-0.033 (-0.120; 0.079)	-0.034 (-0.158; 0.061)			
	<b>AG</b>	0.002 (-0.130; 0.094)	-0.001 (-0.101; 0.115)	<b>TC</b>	0.008 (-0.130; 0.100)	0.001 (-0.108; 0.128)	<b>AT</b>	-0.020 (-0.125; 0.091)	-0.032 (-0.145; 0.090)
	<b>GG</b>	0.034 (-0.082; 0.165)	0.030 (-0.089; 0.137)	<b>CC</b>	0.046 (-0.014; 0.167)	-0.036 (-0.118; 0.109)	<b>GC</b>	0.029 (-0.103; 0.118)	0.004 (-0.100; 0.130)
		H=3.105; df=2; p=0.212	H=12.309; df=2; <b>p=0.002</b>		H=6.085; df=2; p=0.048	H=7.080; df=2; p=0.029	<b>GT</b>	-0.041 (-0.125; 0.056)	0.019 (-0.110; 0.112)
	<b>A</b>	-0.018 (-0.125; 0.092)	-0.035 (-0.147; 0.088)	<b>T</b>	-0.022 (-0.125; 0.091)	-0.026 (-0.143; 0.095)	<b>AC</b>	0.013 (-0.128; 0.110)	-0.058 (-0.160; 0.019)
	<b>G</b>	0.016 (-0.116; 0.110)	0.012 (-0.101; 0.129)	<b>C</b>	0.028 (-0.107; 0.114)	-0.007 (-0.110; 0.121)		H=5.716; df=3; p=0.126	H=12.275; df=3; <b>p=0.006</b>
		U=30204.5; p=0.122	U=34460.5; <b>p=0.001</b>		U=26972.0; p=0.018	U=34596.5; p=0.028			
	<b>AA</b>	-0.331 (-0.778; 0.711)	-0.421 (-1.113; 0.447)	<b>TT</b>	-0.357 (-0.864; 0.453)	-0.276 (-1.076; 0.495)			
GP30	<b>AG</b>	-0.182 (-0.910; 0.720)	0.164 (-0.684; 0.790)	<b>TC</b>	-0.179 (-0.868; 0.768)	0.178 (-0.721; 0.895)	<b>AT</b>	-0.285 (-0.828; 0.711)	-0.142 (-0.874; 0.669)
	<b>GG</b>	0.208 (-0.613; 0.834)	0.595 (-0.785; 1.108)	<b>CC</b>	0.289 (-0.449; 0.778)	0.191 (-0.674; 0.760)	<b>GC</b>	0.170 (-0.675; 0.773)	0.220 (-0.593; 0.993)
		H=3.247; df=2; p=0.197	H=14.029; df=2; <b>p=0.001</b>		H=3.798; df=2; p=0.150	H=9.678; df=2; <b>p=0.008</b>	<b>GT</b>	-0.168 (-0.929; 0.554)	-0.051 (-0.839; 0.851)
	<b>A</b>	-0.245 (-0.792; 0.716)	-0.142 (-0.895; 0.664)	<b>T</b>	-0.260 (-0.864; 0.683)	-0.142 (-0.874; 0.700)	<b>AC</b>	0.370 (-0.611; 0.785)	-0.366 (-1.162; 0.307)
	<b>G</b>	0.060 (-0.742; 0.761)	0.211 (-0.689; 0.993)	<b>C</b>	0.175 (-0.674; 0.778)	0.187 (-0.699; 0.851)		H=4.169; df=3; p=0.244	H=16.311; df=3; <b>p=0.001</b>
		U=30194.5; p=0.121	U=34054.5; <b>p=0.001</b>		U=27584.0; p=0.046	U=33452.5; <b>p=0.006</b>			
	<b>AA</b>	-0.136 (-0.900; 0.489)	0.483 (-0.423; 1.110)	<b>TT</b>	-0.131 (-0.842; 0.617)	0.397 (-0.541; 1.100)			
GP33	<b>AG</b>	-0.200 (-0.937; 0.396)	0.078 (-0.704; 0.857)	<b>TC</b>	-0.319 (-0.994; 0.379)	0.051 (-0.638; 0.869)	<b>AT</b>	-0.170 (-0.900; 0.463)	0.299 (-0.550; 1.084)
	<b>GG</b>	-0.625 (-1.409; 0.322)	-0.268 (-0.972; 0.486)	<b>CC</b>	-0.790 (-1.430; 0.172)	-0.675 (-1.350; 0.424)	<b>GC</b>	-0.454 (-1.344; 0.322)	-0.154 (-0.941; 0.687)
		H=3.702; df=2; p=0.157	H=8.399; df=2; p=0.015		H=6.904; df=2; p=0.032	H=8.925; df=2; p=0.012	<b>GT</b>	-0.177 (-0.734; 0.732)	0.153 (-0.704; 0.934)
	<b>A</b>	-0.169 (-0.900; 0.460)	0.335 (-0.585; 1.086)	<b>T</b>	-0.171 (-0.856; 0.476)	0.292 (-0.570; 1.060)	<b>AC</b>	-0.150 (-0.937; 0.460)	0.453 (-0.787; 1.615)

	<b>G</b>	-0.398 (-1.213; 0.345)	-0.089 (-0.868; 0.788)	<b>C</b>	-0.423 (-1.323; 0.327)	-0.089 (-0.897; 0.722)		H=8.216; df=3; p=0.042	H=9.770; df=3; p=0.021
		U=29734.5; p=0.068	U=35444.5; <b>p=0.005</b>		U=26502.0; <b>p=0.008</b>	U=33438.5; <b>p=0.005</b>			
GP35	<b>AA</b>	-0.041 (-0.094; 0.050)	0.016 (-0.051; 0.118)	<b>TT</b>	-0.024 (-0.093; 0.054)	0.016 (-0.065; 0.118)			
	<b>AG</b>	-0.034 (-0.125; 0.050)	-0.007 (-0.105; 0.082)	<b>TC</b>	-0.054 (-0.131; 0.051)	-0.005 (-0.101; 0.102)	<b>AT</b>	-0.039 (-0.105; 0.053)	0.002 (-0.073; 0.114)
	<b>GG</b>	-0.062 (-0.161; 0.038)	-0.053 (-0.137; 0.118)	<b>CC</b>	-0.090 (-0.165; 0.023)	-0.089 (-0.141; 0.004)	<b>GC</b>	-0.071 (-0.157; 0.037)	-0.039 (-0.120; 0.065)
		H=2.617; df=2; p=0.270	H=6.810; df=2; p=0.033		H=7.175; df=2; p=0.028	H=11.234; df=2; <b>p=0.004</b>	<b>GT</b>	-0.010 (-0.098; 0.058)	0.002 (-0.090; 0.133)
	<b>A</b>	-0.039 (-0.105; 0.050)	-0.002 (-0.073; 0.114)	<b>T</b>	-0.030 (-0.104; 0.053)	0.002 (-0.073; 0.114)	<b>AC</b>	-0.020 (-0.125; 0.042)	-0.009 (-0.072; 0.125)
	<b>G</b>	-0.056 (-0.147; 0.040)	-0.030 (-0.116; 0.097)	<b>C</b>	-0.069 (-0.152; 0.038)	-0.033 (-0.117; 0.091)		H=8.900; df=3; p=0.031	H=10.520; df=3; p=0.015
		U=30150.5; p=0.115	U=36044.5; p=0.013		U=26310.0; <b>p=0.006</b>	U=33032.5; <b>p=0.003</b>			
	<b>AA</b>	-0.046 (-0.104; 0.058)	-0.049 (-0.109; 0.043)	<b>TT</b>	-0.046 (-0.114; 0.064)	-0.034 (-0.090; 0.064)			
GP37	<b>AG</b>	-0.042 (-0.114; 0.054)	0.011 (-0.081; 0.123)	<b>TC</b>	-0.042 (-0.112; 0.050)	0.009 (-0.093; 0.118)	<b>AT</b>	-0.045 (-0.112; 0.058)	-0.027 (-0.097; 0.070)
	<b>GG</b>	-0.014 (-0.084; 0.116)	0.012 (-0.064; 0.127)	<b>CC</b>	0.006 (-0.063; 0.154)	-0.001 (-0.109; 0.111)	<b>GC</b>	-0.022 (-0.087; 0.086)	0.010 (-0.085; 0.126)
		H=2.004; df=2; p=0.367	H=11.885; df=2; <b>p=0.003</b>		H=5.357; df=2; p=0.069	H=3.600; df=2; p=0.165	<b>GT</b>	-0.045 (-0.125; 0.071)	0.031 (-0.052; 0.123)
	<b>A</b>	-0.043 (-0.106; 0.058)	-0.027 (-0.101; 0.070)	<b>T</b>	-0.045 (-0.114; 0.059)	-0.020 (-0.093; 0.073)	<b>AC</b>	-0.032 (-0.077; 0.149)	-0.036 (-0.180; 0.070)
	<b>G</b>	-0.025 (-0.100; 0.083)	0.012 (-0.081; 0.126)	<b>C</b>	-0.022 (-0.086; 0.086)	0.009 (-0.093; 0.116)		H=3.184; df=3; p=0.364	H=10.956; df=3; p=0.012
		U=30952.5; p=0.271	U=34992.5; p=0.003		U=27982.0; p=0.080	U=35862.5; p=0.122			
	<b>AA</b>	-0.130 (-0.316; 0.005)	0.062 (-0.171; 0.302)	<b>TT</b>	-0.141 (-0.315; 0.061)	0.064 (-0.171; 0.334)			
GP39	<b>AG</b>	-0.169 (-0.394; 0.103)	-0.003 (-0.222; 0.262)	<b>TC</b>	-0.182 (-0.405; 0.087)	0.001 (-0.249; 0.255)	<b>AT</b>	-0.141 (-0.331; 0.060)	0.029 (-0.211; 0.268)
	<b>GG</b>	-0.227 (-0.419; 0.031)	-0.143 (-0.342; 0.258)	<b>CC</b>	-0.302 ( -0.426; -0.030)	-0.151 (-0.425; -0.035)	<b>GC</b>	-0.209 (-0.426; 0.046)	-0.087 (-0.274; 0.204)
		H=1.513; df=2; p=0.469	H=4.786; df=2; p=0.091		H=3.400; df=2; p=0.183	H=10.322; df=2; <b>p=0.006</b>	<b>GT</b>	-0.164 (-0.351; 0.138)	0.061 (-0.255; 0.455)
	<b>A</b>	-0.145 (-0.337; 0.060)	0.029 (-0.212; 0.268)	<b>T</b>	-0.147 (-0.334; 0.080)	0.034 (-0.222; 0.302)	<b>AC</b>	-0.253 (-0.366; 0.205)	-0.078 (-0.281; 0.260)

	<b>G</b>	-0.191 (-0.401; 0.061)	-0.059 (-0.256; 0.259)	<b>C</b>	-0.209 (-0.422; 0.048)	-0.084 (-0.281; 0.241)		H=3.873; df=3; p=0.276	H=9.531; df=3; p=0.023
		U=30694.5; p=0.210	U=36894.5; p=0.039		U=27696.0; p=0.054	U=33270.5; <b>p=0.004</b>			
<b>IgGP10</b>	<b>AA</b>	-0.272 (-0.838; 0.381)	-0.126 (-0.818; 0.582)	<b>TT</b>	-0.187 (-0.877; 0.534)	-0.029 (-0.659; 0.761)			
	<b>AG</b>	-0.011 (-0.805; 0.588)	0.052 (-0.630; 1.013)	<b>TC</b>	0.050 (-0.659; 0.597)	-0.068 (-0.735; 0.971)	<b>AT</b>	-0.149 (-0.835; 0.534)	-0.040 (-0.701; 0.771)
	<b>GG</b>	-0.222 (-0.810; 0.464)	-0.382 (-1.426; 0.368)	<b>CC</b>	-0.562 (-1.133; -0.009)	-0.300 (-1.426; 0.044)	<b>GC</b>	-0.163 (-0.812; 0.461)	-0.119 (-0.806; 0.863)
		H=1.815; df=2; p=0.403	H=10.327; df=2; <b>p=0.006</b>		H=10.827; df=2; <b>p=0.004</b>	H=5.342; df=2; p=0.069	<b>GT</b>	0.258 (-0.599; 0.859)	0.132 (-0.860; 0.930)
	<b>A</b>	-0.153 (-0.835; 0.519)	-0.062 (-0.722; 0.771)	<b>T</b>	-0.099 (-0.828; 0.583)	-0.030 (-0.702; 0.863)	<b>AC</b>	-0.558 (-0.818; -0.004)	-0.330 (-1.086; 0.415)
	<b>G</b>	-0.113 (-0.810; 0.567)	-0.097 (-0.808; 0.889)	<b>C</b>	-0.210 (-0.815; 0.447)	-0.144 (-0.827; 0.829)		H=5.306; df=3; p=0.151	H=3.074; df=3; p=0.380
		U=32528.5; p=0.871	U=40734.5; p=0.871		U=28494.0; p=0.151	U=36724.5; p=0.267			
	<b>AA</b>	-0.038 (-0.101; 0.034)	0.002 (-0.083; 0.074)	<b>TT</b>	-0.030 (-0.098; 0.064)	0.000 (-0.082; 0.082)			
<b>IgGP11</b>	<b>AG</b>	0.007 (-0.080; 0.070)	0.014 (-0.076; 0.109)	<b>TC</b>	0.009 (-0.071; 0.067)	0.017 (-0.066; 0.110)	<b>AT</b>	-0.023 (-0.094; 0.059)	0.007 (-0.081; 0.087)
	<b>GG</b>	-0.024 (-0.107; 0.029)	-0.068 (-0.103; 0.064)	<b>CC</b>	-0.052 (-0.107; 0.026)	-0.086 (-0.125; -0.038)	<b>GC</b>	-0.023 (-0.097; 0.049)	-0.027 (-0.097; 0.082)
		H=3.903; df=2; p=0.142	H=5.028; df=2; p=0.081		H=5.492; df=2; p=0.064	H=12.236; df=2; <b>p=0.002</b>	<b>GT</b>	0.003 (-0.073; 0.087)	-0.002 (-0.080; 0.115)
	<b>A</b>	-0.023 (-0.094; 0.058)	0.004 (-0.082; 0.087)	<b>T</b>	-0.018 (-0.092; 0.064)	0.007 (-0.081; 0.093)	<b>AC</b>	0.007 (-0.075; 0.049)	-0.019 (-0.111; 0.057)
	<b>G</b>	-0.014 (-0.086; 0.057)	-0.024 (-0.088; 0.090)	<b>C</b>	-0.023 (-0.087; 0.049)	-0.026 (-0.098; 0.082)		H=3.665; df=3; p=0.300	H=2.229; df=3; p=0.526
		U=32194.5; p=0.718	U=39974.5; p=0.590		U=29614.0; p=0.455	U=36528.5; p=0.227			
	<b>AA</b>	-0.037 (-0.218; 0.254)	-0.074 (-0.306; 0.126)	<b>TT</b>	-0.034 (-0.218; 0.254)	-0.046 (-0.295; 0.197)			
<b>IgGP15</b>	<b>AG</b>	-0.015 (-0.185; 0.160)	0.057 (-0.178; 0.320)	<b>TC</b>	-0.001 (-0.188; 0.168)	0.036 (-0.177; 0.219)	<b>AT</b>	-0.030 (-0.200; 0.243)	-0.021 (-0.269; 0.187)
	<b>GG</b>	-0.070 (-0.244; 0.174)	-0.146 (-0.417; 0.141)	<b>CC</b>	-0.108 (-0.264; 0.070)	-0.154 (-0.454; 0.142)	<b>GC</b>	-0.026 (-0.210; 0.154)	0.011 (-0.247; 0.159)
		H=1.505; df=2; p=0.471	H=11.692; df=2; <b>p=0.003</b>		H=3.232; df=2; p=0.199	H=5.153; df=2; p=0.076	<b>GT</b>	-0.046 (-0.235; 0.228)	0.028 (-0.197; 0.235)
	<b>A</b>	-0.031 (-0.200; 0.227)	-0.032 (-0.272; 0.167)	<b>T</b>	-0.031 (-0.201; 0.233)	-0.021 (-0.247; 0.197)	<b>AC</b>	-0.096 (-0.292; 0.048)	-0.135 (-0.293; 0.086)

	<b>G</b>	-0.032 (-0.212; 0.165)	0.011 (-0.247; 0.229)	<b>C</b>	-0.032 (-0.214; 0.151)	0.007 ( -0.269; 0.158)		H=2.695; df=3; p=0.441	H=2.187; df=3; p=0.535
		U=30952.5; p=0.271	U=39186.5; p=0.353		U=28584.0; p=0.168	U=38668.5; p=0.905			

The data are presented as age-adjusted percentage of total N-glycan peak area (median and interquartile range) analyzed using Kruskal-Wallis or Mann-Whitney test statistics. Significant p-values ( $p<0.010$ ) are denoted in bold. df-degrees of freedom; H-Kruskal-Wallis test value; U-Mann-Whitney test value