

Table S1 Proton chemical shifts of dp8 at 300 K

¹H chemical shifts (ppm) of free and complexed dp8. The values are given with a precision of ± 0.02 p.p.m. ND, not determined.

Residue	Proton	Free dp8	Complexed dp8
GlcN(NS,6S)-1	H1	5.49	5.45
	H2	3.31	3.27
	H3	3.75	3.73
	H4	3.80	3.73
	H5	4.17	4.15
	H6	4.42	4.35
	H6'	4.35	4.30
IdoA(2S)-2	H1	5.27	5.27
	H2	4.39	4.34
	H3	4.25	4.29
	H4	4.15	4.14
	H5	4.87	ND
GlcN(NS,6S)-3	H1	5.45	5.34
	H2	3.32	3.31
	H3	3.71	3.67
	H5	4.07	3.94
	H6	4.44	4.38
	H6'	4.32	4.30
IdoA(2S)-4	H1	5.27	5.25
	H2	4.37	4.35
	H3	4.24	4.29
	H4	4.17	4.15
	H5	4.81	ND
GlcN(NS,6S)-5	H1	5.47	5.41
	H2	3.33	3.30
	H3	3.71	3.66
	H4	3.82	3.75
	H5	4.08	3.94
	H6	4.44	4.38
	H6'	4.32	4.27
IdoA(2S)-6	H1	5.26	5.24
	H2	4.38	4.33
	H3	4.26	4.32
	H4	4.14	4.15
	H5	4.86	ND
GlcN(NS,6S)-7	H1	5.45	5.40
	H2	3.35	3.33
	H3	3.70	3.69
	H4	3.88	3.86
	H5	4.09	3.97
	H6	4.39	4.35
	H6'	4.30	4.24
Δ HexA(2S)-8	H1	5.55	5.55
	H2	4.67	4.63
	H3	4.36	4.35
	H4	6.03	6.15

Table S2 Proton chemical shifts of C-IFN γ at 300 K

¹H chemical shifts (p.p.m.) of backbone atoms of free and complexed C-IFN γ . The values are given with a precision of ± 0.02 p.p.m. ND, not determined.

Residue	Proton	Free C-IFN γ	Complexed C-IFN γ
Ala-123	HN	ND	ND
	Ha	ND	4.197
Ala-124	HN	8.61	8.53
	Ha	4.36	4.45
Lys-125	HN	8.53	8.42
	Ha	4.38	4.47
Thr-126	HN	8.14	8.13
	Ha	4.35	4.43
Gly-127	HN	8.42	8.33
	Ha2	3.93	4.09
	Ha3	4.03	4.09
Lys-128	HN	8.25	8.10
	Ha	4.29	4.34
Arg-129	HN	8.39	8.27
	Ha	4.31	4.38
Lys-130	HN	8.43	8.22
	Ha	4.28	4.34
Arg-131	HN	8.49	8.25
	Ha	4.33	4.38
Ser-132	HN	8.41	8.22
	Ha	4.40	4.44
Gln-133	HN	8.43	8.24
	Ha	4.34	4.39
Met-134	HN	8.33	8.15
	Ha	4.40	4.43
Leu-135	HN	8.13	7.99
	Ha	4.34	4.33
Phe-136	HN	8.28	8.10
	Ha	4.62	4.68
Arg-137	HN	8.33	8.16
	Ha	4.25	4.35
Gly-138	HN	7.89	7.95
	Ha2	3.89	4.02
	Ha3	3.89	4.02
Arg-139	HN	8.17	8.12
	Ha	4.35	4.41
Arg-140	HN	8.44	8.29
	Ha	4.33	4.37
Ala-141	HN	8.39	8.23
	Ha	4.33	4.40
Ser-142	HN	8.24	8.19
	Ha	4.41	4.51
Gln-143	HN	7.95	8.09
	Ha	4.17	4.35