

Supplementary Information for

NMR Backbone Dynamics of the Human Interferon Binding Subunit,

A Representative Cytokine Receptor

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Supplement 1. Relaxation rates and NOEs for IFNAR2-EC at 11.74 T

(0.3 mM IFNAR2-EC in 20 mM *d*-Tris pH 8.0, 0.02% NaN₃, at 304 K)

Res	<i>R</i> ₁ (sec ⁻¹)	<i>R</i> ₂ (sec ⁻¹)	¹⁵ N-{ ¹ H} NOE
3	1.00 ± 0.04	6.2 ± 0.5	-1.21 ± 0.25
4	1.11 ± 0.04	6.4 ± 0.4	-0.67 ± 0.05
6	1.32 ± 0.05	6.3 ± 0.4	-0.23 ± 0.02
7	1.29 ± 0.05	8.6 ± 0.4	0.00 ± 0.02
8	1.37 ± 0.05	7.7 ± 0.4	0.00 ± 0.05
9	1.32 ± 0.05	12.1 ± 0.5	0.00 ± 0.04
10	1.18 ± 0.04	11.0 ± 0.5	0.22 ± 0.04
13	1.07 ± 0.04	15.9 ± 0.6	0.67 ± 0.08
15	0.97 ± 0.04	14.7 ± 0.6	0.67 ± 0.06
16	1.10 ± 0.04	14.4 ± 0.6	0.75 ± 0.05
17	1.01 ± 0.04	17.4 ± 0.7	0.64 ± 0.06
18	1.06 ± 0.04	16.1 ± 0.6	0.74 ± 0.08
19	0.85 ± 0.04	19.6 ± 0.7	0.85 ± 0.09
21	1.03 ± 0.04	16.5 ± 0.7	0.71 ± 0.05
22	1.02 ± 0.04	18.3 ± 0.6	0.78 ± 0.06
23	1.05 ± 0.04	14.5 ± 0.7	0.78 ± 0.08
24	0.85 ± 0.04	17.7 ± 0.7	0.76 ± 0.06
25	1.10 ± 0.04	16.9 ± 0.7	0.90 ± 0.13
26	1.09 ± 0.04	16.5 ± 0.6	0.76 ± 0.05
28	1.06 ± 0.04	16.0 ± 0.6	0.69 ± 0.05
29	0.98 ± 0.04	13.8 ± 0.6	0.60 ± 0.07
34	1.12 ± 0.04	14.4 ± 0.6	0.50 ± 0.04
35	1.15 ± 0.04	13.6 ± 0.6	0.48 ± 0.05
37	0.81 ± 0.04	21.3 ± 0.7	0.73 ± 0.12
39	0.88 ± 0.03	18.6 ± 0.7	0.71 ± 0.07
40	1.01 ± 0.04	15.6 ± 0.7	0.93 ± 0.09
41	1.03 ± 0.04	17.5 ± 0.6	0.87 ± 0.11
42	1.07 ± 0.04	14.7 ± 0.6	0.72 ± 0.06
43	1.09 ± 0.04	15.4 ± 0.6	0.74 ± 0.05
44	1.01 ± 0.04	16.5 ± 0.7	0.81 ± 0.08
45	0.91 ± 0.03	15.9 ± 0.6	0.63 ± 0.06
46	0.84 ± 0.03	19.3 ± 0.7	0.57 ± 0.06
47	0.81 ± 0.04	18.2 ± 0.7	0.68 ± 0.12
48	0.98 ± 0.04	17.2 ± 0.6	0.62 ± 0.04
50	1.11 ± 0.04	11.7 ± 0.5	0.53 ± 0.03
51	1.12 ± 0.04	14.9 ± 0.6	0.60 ± 0.04

52	0.97 ± 0.04	14.9 ± 0.6	0.26 ± 0.03
53	0.98 ± 0.04	16.8 ± 0.6	0.59 ± 0.05
54	0.97 ± 0.04	14.9 ± 0.6	0.61 ± 0.04
55	1.08 ± 0.04	18.2 ± 0.6	0.73 ± 0.09
59	1.00 ± 0.04	17.3 ± 0.6	0.64 ± 0.04
60	0.95 ± 0.04	13.4 ± 0.6	0.79 ± 0.11
61	1.08 ± 0.04	16.8 ± 0.6	0.61 ± 0.05
62	0.97 ± 0.03	16.5 ± 0.7	0.66 ± 0.08
63	1.02 ± 0.04	15.1 ± 0.6	0.66 ± 0.05
65	1.08 ± 0.04	14.2 ± 0.6	0.85 ± 0.09
66	1.10 ± 0.04	17.5 ± 0.6	0.82 ± 0.08
67	1.02 ± 0.04	16.1 ± 0.7	0.72 ± 0.07
68	0.97 ± 0.04	17.9 ± 0.7	0.75 ± 0.20
69	1.09 ± 0.04	17.2 ± 0.7	0.81 ± 0.09
70	1.08 ± 0.04	18.1 ± 0.7	0.82 ± 0.07
71	1.03 ± 0.04	15.7 ± 0.6	0.71 ± 0.07
72	1.02 ± 0.04	17.3 ± 0.6	0.80 ± 0.07
77	1.08 ± 0.04	13.2 ± 0.6	0.57 ± 0.03
78	1.13 ± 0.04	14.3 ± 0.6	0.46 ± 0.04
79	0.87 ± 0.03	17.3 ± 0.6	0.61 ± 0.06
80	1.06 ± 0.04	14.7 ± 0.7	0.64 ± 0.07
81	1.13 ± 0.04	15.8 ± 0.7	0.80 ± 0.09
82	1.02 ± 0.04	15.9 ± 0.7	0.72 ± 0.10
85	0.94 ± 0.03	18.2 ± 0.6	0.65 ± 0.06
87	0.79 ± 0.03	20.2 ± 0.7	0.71 ± 0.07
90	0.88 ± 0.03	15.6 ± 0.6	0.73 ± 0.04
92	0.90 ± 0.03	16.8 ± 0.6	0.72 ± 0.09
93	1.05 ± 0.04	16.2 ± 0.7	0.81 ± 0.06
94	1.10 ± 0.04	15.9 ± 0.6	0.71 ± 0.06
95	1.03 ± 0.04	15.6 ± 0.6	0.62 ± 0.07
96	0.97 ± 0.04	13.7 ± 0.6	0.64 ± 0.08
97	1.09 ± 0.04	15.4 ± 0.7	0.62 ± 0.05
99	0.93 ± 0.03	17.2 ± 0.7	0.74 ± 0.08
100	1.00 ± 0.04	15.8 ± 0.6	0.71 ± 0.07
101	1.00 ± 0.04	17.0 ± 0.7	0.68 ± 0.07
102	0.91 ± 0.03	19.6 ± 0.7	0.65 ± 0.06
103	0.83 ± 0.04	20.4 ± 0.7	0.55 ± 0.05
104	0.96 ± 0.04	16.6 ± 0.6	0.74 ± 0.06
106	0.93 ± 0.03	18.8 ± 0.6	0.71 ± 0.07
107	1.03 ± 0.04	16.3 ± 0.6	0.65 ± 0.06
108	0.91 ± 0.03	18.8 ± 0.7	0.75 ± 0.07
111	0.94 ± 0.03	15.9 ± 0.6	0.71 ± 0.03

112	1.02 ± 0.04	17.0 ± 0.6	0.77 ± 0.06
113	1.02 ± 0.04	16.4 ± 0.6	0.78 ± 0.05
114	1.04 ± 0.04	15.0 ± 0.6	0.71 ± 0.04
115	1.04 ± 0.04	16.5 ± 0.7	0.73 ± 0.06
116	1.04 ± 0.04	14.8 ± 0.6	0.81 ± 0.05
117	1.05 ± 0.04	15.6 ± 0.7	0.86 ± 0.08
118	0.99 ± 0.04	17.2 ± 0.6	0.68 ± 0.09
120	1.10 ± 0.04	20.8 ± 0.6	0.75 ± 0.05
121	1.12 ± 0.04	15.3 ± 0.7	0.66 ± 0.07
122	1.06 ± 0.04	15.9 ± 0.6	0.75 ± 0.04
123	1.00 ± 0.04	16.9 ± 0.7	0.70 ± 0.06
125	0.97 ± 0.04	16.2 ± 0.6	0.84 ± 0.09
126	1.09 ± 0.04	16.0 ± 0.7	0.67 ± 0.06
127	0.80 ± 0.03	15.6 ± 0.6	0.60 ± 0.05
130	1.03 ± 0.04	14.7 ± 0.6	0.59 ± 0.05
131	1.06 ± 0.04	13.3 ± 0.6	0.47 ± 0.03
132	1.16 ± 0.04	16.4 ± 0.6	0.36 ± 0.04
133	1.05 ± 0.04	14.0 ± 0.6	0.51 ± 0.05
134	1.20 ± 0.04	15.2 ± 0.6	0.50 ± 0.04
135	1.11 ± 0.04	15.0 ± 0.6	0.48 ± 0.03
136	1.20 ± 0.04	13.8 ± 0.6	0.56 ± 0.04
137	1.06 ± 0.04	14.0 ± 0.6	0.51 ± 0.03
139	1.03 ± 0.04	14.3 ± 0.6	0.48 ± 0.04
140	0.93 ± 0.03	16.8 ± 0.6	0.63 ± 0.05
142	0.88 ± 0.03	17.9 ± 0.7	0.70 ± 0.07
144	0.99 ± 0.04	17.8 ± 0.7	0.73 ± 0.05
145	1.04 ± 0.04	15.2 ± 0.6	0.70 ± 0.07
146	1.10 ± 0.04	15.4 ± 0.6	0.66 ± 0.04
147	1.10 ± 0.04	16.0 ± 0.6	0.78 ± 0.05
148	1.24 ± 0.04	12.7 ± 0.6	0.73 ± 0.10
149	1.36 ± 0.05	11.1 ± 0.5	0.67 ± 0.05
150	1.21 ± 0.04	14.2 ± 0.6	0.60 ± 0.02
151	1.13 ± 0.04	13.8 ± 0.6	0.64 ± 0.04
153	1.00 ± 0.04	13.6 ± 0.6	0.65 ± 0.05
154	0.98 ± 0.04	13.7 ± 0.6	0.70 ± 0.04
155	0.73 ± 0.03	15.2 ± 0.6	0.74 ± 0.12
158	0.95 ± 0.03	14.2 ± 0.6	0.59 ± 0.04
159	1.07 ± 0.04	14.9 ± 0.6	0.47 ± 0.04
163	0.94 ± 0.03	14.9 ± 0.6	0.26 ± 0.03
164	1.03 ± 0.04	16.2 ± 0.6	0.40 ± 0.05
165	0.96 ± 0.04	13.8 ± 0.6	0.57 ± 0.03
167	1.05 ± 0.04	16.6 ± 0.6	0.78 ± 0.06

168	1.03 ± 0.04	14.4 ± 0.6	0.79 ± 0.04
169	0.99 ± 0.04	15.6 ± 0.6	0.77 ± 0.06
170	1.10 ± 0.04	14.7 ± 0.6	0.80 ± 0.08
172	0.99 ± 0.04	22.6 ± 0.7	0.76 ± 0.10
173	1.13 ± 0.04	18.7 ± 0.7	0.73 ± 0.07
174	0.80 ± 0.03	19.8 ± 0.7	0.67 ± 0.09
177	1.04 ± 0.04	15.2 ± 0.6	0.67 ± 0.04
180	1.02 ± 0.04	14.6 ± 0.6	0.74 ± 0.05
181	1.05 ± 0.04	14.4 ± 0.6	0.70 ± 0.05
183	1.02 ± 0.04	16.7 ± 0.7	0.83 ± 0.07
184	0.94 ± 0.03	18.8 ± 0.7	0.80 ± 0.07
185	0.92 ± 0.03	19.7 ± 0.7	0.74 ± 0.08
186	0.93 ± 0.03	16.2 ± 0.7	0.77 ± 0.05
190	1.11 ± 0.04	19.9 ± 0.7	0.55 ± 0.06
191	1.06 ± 0.04	16.5 ± 0.6	0.61 ± 0.05
192	1.01 ± 0.04	16.2 ± 0.6	0.50 ± 0.04
193	0.96 ± 0.04	16.5 ± 0.7	0.52 ± 0.06
194	1.08 ± 0.04	17.4 ± 0.6	0.74 ± 0.08
195	0.99 ± 0.04	15.8 ± 0.6	0.74 ± 0.06
196	1.01 ± 0.04	16.8 ± 0.6	0.84 ± 0.05
198	1.01 ± 0.04	16.2 ± 0.7	0.63 ± 0.05
200	0.99 ± 0.04	15.6 ± 0.7	0.73 ± 0.06
201	1.07 ± 0.04	17.7 ± 0.6	0.81 ± 0.06
202	0.99 ± 0.04	20.8 ± 0.6	0.83 ± 0.11
203	1.09 ± 0.04	18.1 ± 0.7	0.79 ± 0.07
206	1.02 ± 0.04	11.5 ± 0.5	0.31 ± 0.02
212	0.66 ± 0.03	3.9 ± 0.4	-2.58 ± 0.04

Supplement 2. Relaxation rates and NOEs for IFNAR2-EC at 18.79 T

(0.3 mM IFNAR2-EC in 20 mM *d*-Tris pH 8.0, 0.02% NaN₃, at 304 K)

Res	R_1 (sec ⁻¹)	R_2 (sec ⁻¹)	¹⁵ N-{ ¹ H} NOE
3	0.76 ± 0.04	3.2 ± 0.2	-0.32 ± 0.09
4	1.00 ± 0.04	3.8 ± 0.3	-0.14 ± 0.03
6	1.16 ± 0.05	5.5 ± 0.3	0.12 ± 0.02
7	1.11 ± 0.05	7.8 ± 0.3	0.23 ± 0.02
8	1.18 ± 0.05	9.8 ± 0.4	0.42 ± 0.06
9	0.97 ± 0.05	9.6 ± 0.3	0.44 ± 0.06
10	0.93 ± 0.04	14.6 ± 0.5	0.39 ± 0.04
13	0.61 ± 0.04	20.7 ± 0.6	0.76 ± 0.06
15	0.58 ± 0.04	21.1 ± 0.6	0.79 ± 0.05
16	0.66 ± 0.04	20.0 ± 0.6	0.71 ± 0.04
17	0.56 ± 0.04	24.9 ± 0.7	0.68 ± 0.05
18	0.60 ± 0.04	21.6 ± 0.6	0.79 ± 0.06
19	0.50 ± 0.04	27.4 ± 0.8	0.73 ± 0.06
21	0.63 ± 0.04	22.2 ± 0.6	0.89 ± 0.05
22	0.58 ± 0.04	23.3 ± 0.7	0.78 ± 0.03
23	0.60 ± 0.04	20.9 ± 0.6	0.71 ± 0.05
24	0.51 ± 0.04	24.6 ± 0.7	1.00 ± 0.11
25	0.68 ± 0.04	23.4 ± 0.6	0.74 ± 0.07
26	0.66 ± 0.04	21.5 ± 0.6	0.75 ± 0.04
28	0.61 ± 0.04	19.5 ± 0.5	0.84 ± 0.05
29	0.56 ± 0.04	20.7 ± 0.6	0.76 ± 0.06
34	0.76 ± 0.04	16.7 ± 0.5	0.50 ± 0.03
35	0.82 ± 0.04	17.9 ± 0.5	0.63 ± 0.04
37	0.51 ± 0.04	28.1 ± 0.6	1.05 ± 0.11
39	0.50 ± 0.03	23.7 ± 0.7	0.72 ± 0.05
40	0.57 ± 0.04	21.0 ± 0.6	0.71 ± 0.04
41	0.61 ± 0.04	23.7 ± 0.6	1.06 ± 0.11
42	0.65 ± 0.04	19.9 ± 0.6	0.75 ± 0.05
43	0.65 ± 0.04	20.8 ± 0.6	0.80 ± 0.04
44	0.65 ± 0.04	20.6 ± 0.6	0.84 ± 0.06
45	0.56 ± 0.03	24.6 ± 0.7	0.75 ± 0.05
46	0.49 ± 0.03	29.7 ± 0.7	0.73 ± 0.06
47	0.60 ± 0.04	23.0 ± 0.6	0.60 ± 0.06
48	0.59 ± 0.04	21.2 ± 0.6	0.64 ± 0.03
50	0.76 ± 0.04	15.9 ± 0.5	0.60 ± 0.03

51	0.75 ± 0.04	16.5 ± 0.5	0.71 ± 0.03
52	0.66 ± 0.04	17.9 ± 0.5	0.37 ± 0.02
53	0.61 ± 0.04	22.4 ± 0.6	0.74 ± 0.05
54	0.60 ± 0.04	18.9 ± 0.5	0.67 ± 0.03
55	0.60 ± 0.04	23.0 ± 0.6	0.71 ± 0.07
59	0.61 ± 0.04	22.4 ± 0.6	0.87 ± 0.04
60	0.58 ± 0.04	22.3 ± 0.6	0.57 ± 0.07
61	0.67 ± 0.04	22.8 ± 0.6	0.70 ± 0.05
62	0.64 ± 0.03	24.0 ± 0.6	0.90 ± 0.09
63	0.66 ± 0.04	22.6 ± 0.6	0.63 ± 0.04
65	0.63 ± 0.04	21.3 ± 0.6	0.87 ± 0.03
66	0.60 ± 0.04	19.9 ± 0.5	0.78 ± 0.06
67	0.62 ± 0.04	22.5 ± 0.6	0.76 ± 0.07
68	0.56 ± 0.04	22.3 ± 0.5	0.84 ± 0.08
69	0.65 ± 0.04	22.5 ± 0.6	0.98 ± 0.06
70	0.68 ± 0.04	21.5 ± 0.6	0.78 ± 0.05
71	0.61 ± 0.04	21.1 ± 0.6	0.75 ± 0.04
72	0.59 ± 0.04	20.2 ± 0.6	0.98 ± 0.05
77	0.73 ± 0.04	19.0 ± 0.5	0.64 ± 0.03
78	0.79 ± 0.04	17.2 ± 0.5	0.61 ± 0.03
79	0.52 ± 0.03	23.3 ± 0.6	0.69 ± 0.05
80	0.60 ± 0.04	19.9 ± 0.5	0.83 ± 0.06
81	0.66 ± 0.04	22.0 ± 0.6	0.77 ± 0.06
82	0.60 ± 0.04	19.8 ± 0.6	0.67 ± 0.06
85	0.51 ± 0.03	21.6 ± 0.6	0.80 ± 0.07
87	0.49 ± 0.03	23.7 ± 0.7	0.81 ± 0.04
90	0.60 ± 0.03	21.8 ± 0.6	0.70 ± 0.02
92	0.56 ± 0.03	24.9 ± 0.7	0.97 ± 0.08
93	0.65 ± 0.04	20.8 ± 0.6	0.80 ± 0.04
94	0.64 ± 0.04	18.8 ± 0.5	0.76 ± 0.05
95	0.60 ± 0.04	20.5 ± 0.5	0.76 ± 0.07
96	0.67 ± 0.04	20.0 ± 0.5	0.80 ± 0.07
97	0.65 ± 0.04	21.3 ± 0.6	0.81 ± 0.04
99	0.57 ± 0.03	22.4 ± 0.6	0.73 ± 0.05
100	0.59 ± 0.04	20.7 ± 0.6	0.71 ± 0.05
101	0.61 ± 0.04	24.0 ± 0.6	0.94 ± 0.08
102	0.58 ± 0.03	28.6 ± 0.7	0.71 ± 0.05
103	0.50 ± 0.04	24.8 ± 0.7	0.60 ± 0.04
104	0.60 ± 0.04	23.4 ± 0.7	0.76 ± 0.04
106	0.58 ± 0.03	23.8 ± 0.6	0.72 ± 0.05
107	0.63 ± 0.04	20.6 ± 0.6	0.67 ± 0.05
108	0.55 ± 0.03	24.6 ± 0.7	0.85 ± 0.06

111	0.57 ± 0.03	21.5 ± 0.6	0.74 ± 0.03
112	0.61 ± 0.04	22.7 ± 0.6	0.82 ± 0.04
113	0.62 ± 0.04	22.1 ± 0.6	0.78 ± 0.04
114	0.59 ± 0.04	20.2 ± 0.5	0.88 ± 0.04
115	0.60 ± 0.04	21.8 ± 0.6	0.83 ± 0.05
116	0.62 ± 0.04	20.1 ± 0.5	0.77 ± 0.03
117	0.56 ± 0.04	20.4 ± 0.5	0.77 ± 0.05
118	0.68 ± 0.04	27.1 ± 0.7	0.63 ± 0.07
120	0.66 ± 0.04	30.9 ± 0.7	0.91 ± 0.04
121	0.60 ± 0.04	21.2 ± 0.6	1.00 ± 0.11
122	0.62 ± 0.04	20.7 ± 0.6	0.86 ± 0.04
123	0.58 ± 0.04	22.2 ± 0.6	0.87 ± 0.06
125	0.52 ± 0.04	21.0 ± 0.6	0.79 ± 0.06
126	0.61 ± 0.04	20.2 ± 0.5	0.78 ± 0.06
127	0.51 ± 0.03	22.6 ± 0.6	0.51 ± 0.03
130	0.75 ± 0.04	19.3 ± 0.5	0.51 ± 0.03
131	0.79 ± 0.04	17.5 ± 0.5	0.57 ± 0.03
132	0.75 ± 0.04	22.3 ± 0.6	0.46 ± 0.04
133	0.78 ± 0.04	20.3 ± 0.5	0.55 ± 0.03
134	0.80 ± 0.04	20.7 ± 0.6	0.51 ± 0.04
135	0.75 ± 0.04	21.1 ± 0.6	0.61 ± 0.03
136	0.82 ± 0.04	20.1 ± 0.5	0.63 ± 0.04
137	0.72 ± 0.04	19.1 ± 0.5	0.69 ± 0.03
139	0.68 ± 0.04	18.3 ± 0.5	0.58 ± 0.03
140	0.55 ± 0.04	23.9 ± 0.6	0.63 ± 0.04
142	0.51 ± 0.05	25.1 ± 0.7	0.96 ± 0.06
144	0.59 ± 0.04	24.1 ± 0.6	0.76 ± 0.04
145	0.61 ± 0.04	21.5 ± 0.6	0.82 ± 0.07
146	0.65 ± 0.04	19.7 ± 0.5	0.81 ± 0.04
147	0.63 ± 0.03	19.9 ± 0.5	0.74 ± 0.03
148	0.89 ± 0.02	14.7 ± 0.5	0.63 ± 0.07
149	0.91 ± 0.02	14.5 ± 0.5	0.63 ± 0.04
150	0.81 ± 0.03	17.8 ± 0.5	0.73 ± 0.02
151	0.69 ± 0.02	17.1 ± 0.5	0.65 ± 0.03
153	0.57 ± 0.02	18.3 ± 0.5	0.71 ± 0.04
154	0.58 ± 0.02	17.8 ± 0.5	0.78 ± 0.04
155	0.47 ± 0.02	18.8 ± 0.5	0.63 ± 0.09
158	0.64 ± 0.02	19.2 ± 0.5	0.59 ± 0.03
159	0.74 ± 0.02	16.6 ± 0.5	0.52 ± 0.04
163	0.66 ± 0.02	19.5 ± 0.5	0.39 ± 0.03
164	0.72 ± 0.03	22.1 ± 0.6	0.67 ± 0.05
165	0.63 ± 0.03	18.6 ± 0.5	0.55 ± 0.03

167	0.63 ± 0.02	20.2 ± 0.5	0.70 ± 0.03
168	0.62 ± 0.02	20.4 ± 0.5	0.78 ± 0.04
169	0.58 ± 0.03	20.4 ± 0.5	0.73 ± 0.03
170	0.62 ± 0.03	19.8 ± 0.5	0.90 ± 0.05
172	0.54 ± 0.02	34.8 ± 0.7	0.79 ± 0.08
173	0.66 ± 0.02	31.2 ± 0.7	0.89 ± 0.05
174	0.45 ± 0.02	27.9 ± 0.7	0.73 ± 0.07
177	0.64 ± 0.02	20.0 ± 0.5	0.81 ± 0.03
180	0.58 ± 0.02	20.5 ± 0.5	0.72 ± 0.04
181	0.60 ± 0.02	18.8 ± 0.5	0.89 ± 0.04
183	0.60 ± 0.03	24.3 ± 0.6	0.84 ± 0.04
184	0.52 ± 0.02	27.4 ± 0.7	0.82 ± 0.05
185	0.49 ± 0.02	23.5 ± 0.7	0.80 ± 0.06
186	0.58 ± 0.02	22.6 ± 0.6	0.78 ± 0.04
190	0.69 ± 0.02	35.0 ± 0.9	0.64 ± 0.07
191	0.69 ± 0.03	24.2 ± 0.6	0.60 ± 0.04
192	0.65 ± 0.03	24.6 ± 0.7	0.49 ± 0.04
193	0.62 ± 0.03	25.2 ± 0.7	0.40 ± 0.04
194	0.64 ± 0.02	25.3 ± 0.6	0.77 ± 0.05
195	0.58 ± 0.02	20.8 ± 0.6	0.62 ± 0.04
196	0.61 ± 0.02	21.3 ± 0.6	0.81 ± 0.04
198	0.62 ± 0.02	21.7 ± 0.6	0.69 ± 0.04
200	0.55 ± 0.02	19.8 ± 0.5	0.75 ± 0.04
201	0.63 ± 0.03	28.7 ± 0.7	0.83 ± 0.05
202	0.55 ± 0.03	28.0 ± 0.8	0.77 ± 0.06
203	0.69 ± 0.03	25.8 ± 0.7	0.83 ± 0.06
206	0.71 ± 0.02	15.2 ± 0.5	0.39 ± 0.03
212	0.67 ± 0.02	1.4 ± 0.2	-1.32 ± 0.01

Supplement 3. Model-free analysis of IFNAR2-EC relaxation at 11.74 T

(0.3 mM IFNAR2-EC in 20 mM *d*-Tris pH 8.0, 0.02% NaN₃, at 304 K)

(rmsd based upon superposition of residues 13-202)

Res	Model	S ²	τ _i (nsec)	R _{ex} (sec ⁻¹)	S _f ²	rmsd (Å)
3	5	0.28 ± 0.02	0.41 ± 0.044	0.0 ± 0.0	0.74 ± 0.03	> 5.0
4	5	0.27 ± 0.02	0.68 ± 0.030	0.0 ± 0.0	0.71 ± 0.02	> 5.0
6	5	0.27 ± 0.02	0.96 ± 0.023	0.0 ± 0.0	0.74 ± 0.02	> 5.0
7	5	0.38 ± 0.03	1.00 ± 0.133	0.0 ± 0.0	0.76 ± 0.03	> 5.0
8	5	0.32 ± 0.02	1.10 ± 0.138	0.0 ± 0.0	0.76 ± 0.03	4.21
9	5	0.59 ± 0.04	0.70 ± 0.129	0.0 ± 0.0	0.89 ± 0.03	2.90
10	5	0.50 ± 0.02	1.05 ± 0.054	0.0 ± 0.0	0.77 ± 0.02	2.20
13	2	0.80 ± 0.02	0.03 ± 0.012	0.0 ± 0.0	1.00 ± 0.00	0.59
15	2	0.73 ± 0.02	0.02 ± 0.008	0.0 ± 0.0	1.00 ± 0.00	0.46
16	1	0.78 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.42
17	4	0.78 ± 0.03	0.03 ± 0.010	1.1 ± 1.0	1.00 ± 0.00	0.48
18	1	0.81 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.49
19	1	0.80 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.48
21	1	0.81 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.47
22	3	0.78 ± 0.03	0.00 ± 0.000	2.7 ± 1.0	1.00 ± 0.00	0.41
23	1	0.76 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.34
24	3	0.65 ± 0.02	0.00 ± 0.000	4.6 ± 0.8	1.00 ± 0.00	0.32
25	1	0.85 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.31
26	1	0.83 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.35
28	1	0.81 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.56
29	2	0.71 ± 0.02	0.03 ± 0.006	0.0 ± 0.0	1.00 ± 0.00	0.67
34	2	0.76 ± 0.02	0.06 ± 0.010	0.0 ± 0.0	1.00 ± 0.00	1.43
35	5	0.58 ± 0.02	1.40 ± 0.126	0.0 ± 0.0	0.78 ± 0.02	1.10
37	4	0.71 ± 0.03	0.01 ± 0.006	5.1 ± 1.1	1.00 ± 0.00	0.52
39	1	0.78 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.33
40	1	0.78 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.30
41	1	0.83 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.26
42	1	0.78 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.27
43	1	0.81 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.24
44	1	0.80 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.27
45	2	0.73 ± 0.02	0.02 ± 0.007	0.0 ± 0.0	1.00 ± 0.00	0.29
46	4	0.66 ± 0.03	0.03 ± 0.005	5.0 ± 0.9	1.00 ± 0.00	0.36
47	1	0.75 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.48
48	2	0.79 ± 0.02	0.04 ± 0.009	0.0 ± 0.0	1.00 ± 0.00	0.50

50	5	0.54 ± 0.02	1.50 ± 0.170	0.0 ± 0.0	0.71 ± 0.02	0.55
51	5	0.70 ± 0.03	1.30 ± 0.257	0.0 ± 0.0	0.81 ± 0.02	0.47
52	5	0.62 ± 0.02	0.77 ± 0.085	0.0 ± 0.0	0.78 ± 0.02	0.41
53	2	0.78 ± 0.02	0.04 ± 0.009	0.0 ± 0.0	1.00 ± 0.00	0.43
54	2	0.73 ± 0.02	0.03 ± 0.007	0.0 ± 0.0	1.00 ± 0.00	0.42
55	1	0.86 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.60
59	4	0.74 ± 0.03	0.03 ± 0.008	2.5 ± 0.9	1.00 ± 0.00	0.34
60	1	0.71 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.38
61	4	0.78 ± 0.03	0.04 ± 0.011	1.6 ± 0.9	1.00 ± 0.00	0.37
62	4	0.71 ± 0.02	0.02 ± 0.007	2.6 ± 0.8	1.00 ± 0.00	0.42
63	2	0.75 ± 0.02	0.03 ± 0.009	0.0 ± 0.0	1.00 ± 0.00	0.40
65	1	0.77 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.36
66	1	0.86 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.31
67	1	0.80 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.27
68	1	0.83 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.29
69	1	0.85 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.35
70	1	0.87 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.39
71	2	0.78 ± 0.02	0.02 ± 0.011	0.0 ± 0.0	1.00 ± 0.00	0.39
72	1	0.83 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.44
77	5	0.64 ± 0.03	1.20 ± 0.222	0.0 ± 0.0	0.75 ± 0.02	0.42
78	5	0.68 ± 0.03	1.00 ± 0.146	0.0 ± 0.0	0.82 ± 0.02	0.34
79	2	0.75 ± 0.02	0.03 ± 0.007	0.0 ± 0.0	1.00 ± 0.00	0.26
80	2	0.76 ± 0.02	0.03 ± 0.009	0.0 ± 0.0	1.00 ± 0.00	0.25
81	1	0.83 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.28
82	1	0.78 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.31
85	4	0.69 ± 0.02	0.02 ± 0.006	4.7 ± 0.9	1.00 ± 0.00	0.45
87	4	0.64 ± 0.03	0.01 ± 0.005	6.6 ± 1.0	1.00 ± 0.00	0.71
90	1	0.72 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.82
92	1	0.77 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.76
93	1	0.81 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.66
94	2	0.81 ± 0.02	0.03 ± 0.013	0.0 ± 0.0	1.00 ± 0.00	0.56
95	2	0.77 ± 0.02	0.04 ± 0.010	0.0 ± 0.0	1.00 ± 0.00	0.45
96	2	0.71 ± 0.02	0.03 ± 0.007	0.0 ± 0.0	1.00 ± 0.00	0.43
97	2	0.79 ± 0.02	0.04 ± 0.011	0.0 ± 0.0	1.00 ± 0.00	0.39
99	1	0.78 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.33
100	1	0.77 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.42
101	2	0.80 ± 0.02	0.03 ± 0.011	0.0 ± 0.0	1.00 ± 0.00	0.44
102	4	0.75 ± 0.03	0.03 ± 0.008	2.9 ± 1.0	1.00 ± 0.00	0.54
103	4	0.72 ± 0.03	0.03 ± 0.006	3.3 ± 1.0	1.00 ± 0.00	0.59
104	1	0.78 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.58
106	1	0.83 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.56
107	1	0.80 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.57

108	3	0.70 ± 0.02	0.00 ± 0.000	4.8 ± 0.9	1.00 ± 0.00	0.60
111	1	0.74 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.56
112	3	0.78 ± 0.03	0.00 ± 0.000	1.7 ± 0.9	1.00 ± 0.00	0.50
113	1	0.80 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.51
114	1	0.78 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.49
115	1	0.81 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.51
116	1	0.77 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.55
117	1	0.80 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.66
118	1	0.80 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.79
120	3	0.83 ± 0.03	0.00 ± 0.000	4.5 ± 1.0	1.00 ± 0.00	0.89
121	2	0.80 ± 0.02	0.04 ± 0.012	0.0 ± 0.0	1.00 ± 0.00	0.51
122	1	0.81 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.48
123	1	0.81 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.41
125	1	0.78 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.29
126	2	0.81 ± 0.02	0.03 ± 0.012	0.0 ± 0.0	1.00 ± 0.00	0.36
127	2	0.68 ± 0.02	0.02 ± 0.005	0.0 ± 0.0	1.00 ± 0.00	0.41
130	5	0.67 ± 0.03	1.20 ± 0.250	0.0 ± 0.0	0.77 ± 0.02	0.59
131	5	0.59 ± 0.03	1.20 ± 0.128	0.0 ± 0.0	0.75 ± 0.02	0.87
132	5	0.74 ± 0.03	0.70 ± 0.129	0.0 ± 0.0	0.90 ± 0.02	0.98
133	5	0.64 ± 0.03	1.10 ± 0.164	0.0 ± 0.0	0.77 ± 0.02	2.25
134	5	0.74 ± 0.03	0.90 ± 0.178	0.0 ± 0.0	0.87 ± 0.02	0.99
135	5	0.64 ± 0.03	1.30 ± 0.130	0.0 ± 0.0	0.80 ± 0.02	1.03
136	5	0.66 ± 0.03	1.40 ± 0.195	0.0 ± 0.0	0.81 ± 0.02	1.44
137	5	0.67 ± 0.03	0.90 ± 0.189	0.0 ± 0.0	0.78 ± 0.02	1.17
139	2	0.72 ± 0.02	0.05 ± 0.008	0.0 ± 0.0	1.00 ± 0.00	0.71
140	4	0.72 ± 0.03	0.03 ± 0.007	1.6 ± 0.8	1.00 ± 0.00	0.50
142	1	0.78 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.43
144	1	0.83 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.43
145	2	0.77 ± 0.02	0.02 ± 0.010	0.0 ± 0.0	1.00 ± 0.00	0.53
146	2	0.79 ± 0.02	0.04 ± 0.011	0.0 ± 0.0	1.00 ± 0.00	0.61
147	1	0.82 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.62
148	5	0.62 ± 0.03	2.50 ± 1.186	0.0 ± 0.0	0.76 ± 0.02	0.69
149	5	0.50 ± 0.03	2.50 ± 0.604	0.0 ± 0.0	0.73 ± 0.02	0.79
150	5	0.65 ± 0.03	1.70 ± 0.259	0.0 ± 0.0	0.80 ± 0.02	0.78
151	5	0.69 ± 0.03	1.30 ± 0.343	0.0 ± 0.0	0.78 ± 0.02	0.74
153	5	0.65 ± 0.03	1.30 ± 0.355	0.0 ± 0.0	0.73 ± 0.02	0.56
154	2	0.71 ± 0.02	0.02 ± 0.007	0.0 ± 0.0	1.00 ± 0.00	0.49
155	1	0.65 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.47
158	2	0.71 ± 0.02	0.03 ± 0.006	0.0 ± 0.0	1.00 ± 0.00	0.57
159	5	0.70 ± 0.03	0.80 ± 0.180	0.0 ± 0.0	0.81 ± 0.02	0.85
163	5	0.63 ± 0.02	0.70 ± 0.100	0.0 ± 0.0	0.77 ± 0.02	0.39
164	4	0.73 ± 0.03	0.07 ± 0.011	1.3 ± 0.9	1.00 ± 0.00	0.38

165	2	0.70 ± 0.02	0.03 ± 0.006	0.0 ± 0.0	1.00 ± 0.00	0.36
167	1	0.82 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.33
168	1	0.75 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.33
169	1	0.76 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.41
170	1	0.79 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.49
172	3	0.84 ± 0.03	0.00 ± 0.000	4.2 ± 1.1	1.00 ± 0.00	0.89
173	2	0.89 ± 0.03	0.03 ± 0.025	0.0 ± 0.0	1.00 ± 0.00	0.94
174	4	0.67 ± 0.03	0.01 ± 0.005	5.1 ± 1.0	1.00 ± 0.00	1.00
177	2	0.77 ± 0.02	0.03 ± 0.010	0.0 ± 0.0	1.00 ± 0.00	0.65
180	1	0.76 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.58
181	2	0.75 ± 0.02	0.02 ± 0.009	0.0 ± 0.0	1.00 ± 0.00	0.50
183	1	0.81 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.42
184	1	0.82 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.40
185	1	0.83 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.39
186	1	0.76 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.47
190	4	0.82 ± 0.03	0.07 ± 0.017	3.2 ± 1.0	1.00 ± 0.00	0.63
191	4	0.76 ± 0.03	0.04 ± 0.010	1.5 ± 0.9	1.00 ± 0.00	0.60
192	2	0.77 ± 0.02	0.06 ± 0.010	0.0 ± 0.0	1.00 ± 0.00	0.49
193	4	0.72 ± 0.02	0.04 ± 0.007	1.4 ± 0.8	1.00 ± 0.00	0.48
194	1	0.85 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.51
195	1	0.78 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.53
196	1	0.81 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.61
198	2	0.78 ± 0.02	0.03 ± 0.010	0.0 ± 0.0	1.00 ± 0.00	0.76
200	2	0.77 ± 0.02	0.02 ± 0.009	0.0 ± 0.0	1.00 ± 0.00	0.63
201	1	0.85 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.60
202	3	0.76 ± 0.02	0.00 ± 0.000	5.7 ± 0.9	1.00 ± 0.00	0.70
203	3	0.82 ± 0.03	0.00 ± 0.000	2.0 ± 0.9	1.00 ± 0.00	0.92
206	5	0.54 ± 0.02	0.89 ± 0.098	0.0 ± 0.0	0.71 ± 0.02	1.31
212	4	0.11 ± 0.03	0.11 ± 0.006	1.1 ± 0.5	1.00 ± 0.00	> 5.0

Supplement 4. Model-free analysis of IFNAR2-EC relaxation at 18.79 T

(0.3 mM IFNAR2-EC in 20 mM *d*-Tris pH 8.0, 0.02% NaN₃, at 304 K)

Res	Model	S ²	τ _i (nsec)	R _{ex} (sec ⁻¹)	S _f ²	rmsd (Å)
3	5	0.10 ± 0.01	0.53 ± 0.009	0.0 ± 0.0	0.55 ± 0.02	> 5.0
4	5	0.11 ± 0.01	0.61 ± 0.005	0.0 ± 0.0	0.67 ± 0.02	> 5.0
6	5	0.18 ± 0.01	0.73 ± 0.007	0.0 ± 0.0	0.75 ± 0.02	> 5.0
7	5	0.27 ± 0.02	0.77 ± 0.016	0.0 ± 0.0	0.76 ± 0.02	> 5.0
8	5	0.33 ± 0.02	0.93 ± 0.043	0.0 ± 0.0	0.79 ± 0.02	4.21
9	5	0.36 ± 0.02	0.91 ± 0.046	0.0 ± 0.0	0.71 ± 0.02	2.90
10	5	0.54 ± 0.02	0.75 ± 0.035	0.0 ± 0.0	0.85 ± 0.02	2.20
13	1	0.85 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.59
15	1	0.83 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.46
16	1	0.87 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.42
17	1	0.87 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.48
18	1	0.85 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.49
19	1	0.87 ± 0.03	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.48
21	1	0.89 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.47
22	1	0.86 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.41
23	2	0.82 ± 0.02	0.02 ± 0.008	0.0 ± 0.0	1.00 ± 0.00	0.34
24	4	0.75 ± 0.04	0.00 ± 0.011	6.2 ± 1.3	1.00 ± 0.00	0.32
25	2	0.94 ± 0.02	0.06 ± 0.032	0.0 ± 0.0	1.00 ± 0.00	0.31
26	1	0.91 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.35
28	1	0.82 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.56
29	1	0.81 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.67
34	5	0.67 ± 0.03	0.64 ± 0.067	0.0 ± 0.0	0.84 ± 0.03	1.43
35	5	0.63 ± 0.03	1.00 ± 0.137	0.0 ± 0.0	0.82 ± 0.03	1.10
37	1	0.89 ± 0.03	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.52
39	1	0.81 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.33
40	1	0.81 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.30
41	1	0.89 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.26
42	1	0.86 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.27
43	1	0.88 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.24
44	1	0.88 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.27
45	1	0.87 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.29
46	4	0.72 ± 0.02	0.01 ± 0.004	10.5 ± 1.3	1.00 ± 0.00	0.36
47	5	0.8 ± 0.03	0.40 ± 0.115	0.0 ± 0.0	0.88 ± 0.03	0.48
48	2	0.82 ± 0.02	0.03 ± 0.007	0.0 ± 0.0	1.00 ± 0.00	0.50
50	5	0.6 ± 0.03	0.90 ± 0.110	0.0 ± 0.0	0.77 ± 0.03	0.55
51	5	0.62 ± 0.03	1.20 ± 0.266	0.0 ± 0.0	0.76 ± 0.03	0.47

52	5	0.6 ± 0.02	0.60 ± 0.036	0.0 ± 0.0	0.79 ± 0.02	0.41
53	1	0.89 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.43
54	5	0.72 ± 0.03	0.60 ± 0.158	0.0 ± 0.0	0.79 ± 0.03	0.42
55	1	0.87 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.60
59	1	0.87 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.34
60	4	0.77 ± 0.03	0.03 ± 0.006	2.7 ± 1.1	1.00 ± 0.00	0.38
61	2	0.91 ± 0.02	0.05 ± 0.018	0.0 ± 0.0	1.00 ± 0.00	0.37
62	1	0.92 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.42
63	2	0.9 ± 0.02	0.07 ± 0.021	0.0 ± 0.0	1.00 ± 0.00	0.40
65	1	0.87 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.36
66	1	0.82 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.31
67	1	0.89 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.27
68	1	0.84 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.29
69	1	0.91 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.35
70	1	0.92 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.39
71	1	0.85 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.39
72	1	0.82 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.44
77	5	0.75 ± 0.03	0.70 ± 0.126	0.0 ± 0.0	0.86 ± 0.03	0.42
78	5	0.66 ± 0.03	0.80 ± 0.112	0.0 ± 0.0	0.83 ± 0.03	0.34
79	2	0.81 ± 0.02	0.02 ± 0.006	0.0 ± 0.0	1.00 ± 0.00	0.26
80	1	0.82 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.25
81	1	0.91 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.28
82	2	0.8 ± 0.02	0.02 ± 0.007	0.0 ± 0.0	1.00 ± 0.00	0.31
85	3	0.7 ± 0.03	0.00 ± 0.000	4.5 ± 1.1	1.00 ± 0.00	0.45
87	3	0.73 ± 0.02	0.00 ± 0.000	4.3 ± 1.0	1.00 ± 0.00	0.71
90	2	0.84 ± 0.02	0.02 ± 0.009	0.0 ± 0.0	1.00 ± 0.00	0.82
92	1	0.89 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.76
93	1	0.88 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.66
94	1	0.83 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.56
95	2	0.83 ± 0.02	0.02 ± 0.008	0.0 ± 0.0	1.00 ± 0.00	0.45
96	1	0.88 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.43
97	1	0.89 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.39
99	1	0.85 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.33
100	1	0.83 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.42
101	1	0.92 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.44
102	1	0.96 ± 0.03	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.54
103	2	0.81 ± 0.02	0.03 ± 0.007	0.0 ± 0.0	1.00 ± 0.00	0.59
104	1	0.89 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.58
106	1	0.89 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.56
107	2	0.85 ± 0.02	0.03 ± 0.009	0.0 ± 0.0	1.00 ± 0.00	0.57
108	3	0.77 ± 0.03	0.00 ± 0.000	5.5 ± 1.2	1.00 ± 0.00	0.60
111	1	0.82 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.56

112	1	0.88 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.50
113	1	0.88 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.51
114	1	0.82 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.49
115	1	0.84 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.51
116	1	0.84 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.55
117	1	0.8 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.66
118	4	0.91 ± 0.03	0.08 ± 0.034	4.2 ± 1.3	1.00 ± 0.00	0.79
120	3	0.91 ± 0.03	0.00 ± 0.000	8.7 ± 1.4	1.00 ± 0.00	0.89
121	1	0.85 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.51
122	1	0.85 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.48
123	1	0.85 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.41
125	1	0.78 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.29
126	1	0.83 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.36
127	2	0.78 ± 0.02	0.03 ± 0.006	0.0 ± 0.0	1.00 ± 0.00	0.41
130	5	0.72 ± 0.03	0.64 ± 0.063	0.0 ± 0.0	0.87 ± 0.03	0.59
131	5	0.63 ± 0.03	0.88 ± 0.091	0.0 ± 0.0	0.82 ± 0.03	0.87
132	2	0.86 ± 0.02	0.46 ± 0.063	0.0 ± 0.0	1.00 ± 0.00	0.98
133	5	0.75 ± 0.03	0.71 ± 0.078	0.0 ± 0.0	0.91 ± 0.03	2.25
134	2	0.86 ± 0.02	0.50 ± 0.068	0.0 ± 0.0	1.00 ± 0.00	0.99
135	5	0.73 ± 0.03	0.80 ± 0.108	0.0 ± 0.0	0.88 ± 0.03	1.03
136	5	0.78 ± 0.03	0.80 ± 0.123	0.0 ± 0.0	0.93 ± 0.03	1.44
137	5	0.74 ± 0.03	0.90 ± 0.188	0.0 ± 0.0	0.84 ± 0.03	1.17
139	5	0.75 ± 0.03	0.50 ± 0.103	0.0 ± 0.0	0.84 ± 0.03	0.71
140	4	0.77 ± 0.03	0.02 ± 0.005	3.9 ± 1.2	1.00 ± 0.00	0.50
142	1	0.85 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.43
144	1	0.9 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.43
145	1	0.86 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.53
146	1	0.86 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.61
147	2	0.83 ± 0.02	0.02 ± 0.008	0.0 ± 0.0	1.00 ± 0.00	0.62
148	5	0.58 ± 0.03	1.00 ± 0.141	0.0 ± 0.0	0.79 ± 0.03	0.69
149	5	0.55 ± 0.02	1.10 ± 0.149	0.0 ± 0.0	0.78 ± 0.03	0.79
150	5	0.66 ± 0.03	1.30 ± 0.337	0.0 ± 0.0	0.81 ± 0.03	0.78
151	5	0.7 ± 0.03	0.70 ± 0.131	0.0 ± 0.0	0.80 ± 0.02	0.74
153	1	0.77 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.56
154	1	0.77 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.49
155	2	0.7 ± 0.02	0.02 ± 0.003	0.0 ± 0.0	1.00 ± 0.00	0.47
158	5	0.73 ± 0.03	0.50 ± 0.101	0.0 ± 0.0	0.83 ± 0.03	0.57
159	5	0.63 ± 0.02	0.74 ± 0.065	0.0 ± 0.0	0.80 ± 0.02	0.85
163	5	0.67 ± 0.02	0.56 ± 0.042	0.0 ± 0.0	0.83 ± 0.02	0.39
164	5	0.87 ± 0.03	0.50 ± 0.158	0.0 ± 0.0	0.94 ± 0.03	0.38
165	5	0.73 ± 0.03	0.40 ± 0.098	0.0 ± 0.0	0.82 ± 0.02	0.36
167	2	0.83 ± 0.02	0.03 ± 0.008	0.0 ± 0.0	1.00 ± 0.00	0.33

168	1	0.85 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.33
169	1	0.81 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.41
170	1	0.84 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.49
172	3	0.84 ± 0.03	0.00 ± 0.000	12.2 ± 1.6	1.00 ± 0.00	0.89
173	3	0.95 ± 0.03	0.00 ± 0.000	7.2 ± 1.4	1.00 ± 0.00	0.94
174	4	0.69 ± 0.02	0.01 ± 0.003	9.0 ± 1.2	1.00 ± 0.00	1.00
177	1	0.86 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.65
180	1	0.81 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.58
181	1	0.8 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.50
183	1	0.92 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.42
184	3	0.81 ± 0.03	0.00 ± 0.000	5.5 ± 1.4	1.00 ± 0.00	0.40
185	1	0.8 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.39
186	1	0.85 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.47
190	4	0.93 ± 0.03	0.12 ± 0.065	11.5 ± 1.5	1.00 ± 0.00	0.63
191	4	0.89 ± 0.03	0.07 ± 0.022	2.7 ± 1.2	1.00 ± 0.00	0.60
192	2	0.9 ± 0.02	0.13 ± 0.046	0.0 ± 0.0	1.00 ± 0.00	0.49
193	4	0.81 ± 0.03	0.07 ± 0.013	4.3 ± 1.2	1.00 ± 0.00	0.48
194	1	0.94 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.51
195	2	0.8 ± 0.02	0.03 ± 0.007	0.0 ± 0.0	1.00 ± 0.00	0.53
196	1	0.86 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.61
198	2	0.86 ± 0.02	0.03 ± 0.010	0.0 ± 0.0	1.00 ± 0.00	0.76
200	1	0.79 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.63
201	3	0.88 ± 0.03	0.00 ± 0.000	7.1 ± 1.3	1.00 ± 0.00	0.60
202	3	0.77 ± 0.03	0.00 ± 0.000	9.1 ± 1.3	1.00 ± 0.00	0.70
203	1	0.99 ± 0.02	0.00 ± 0.000	0.0 ± 0.0	1.00 ± 0.00	0.92
206	5	0.58 ± 0.02	0.60 ± 0.040	0.0 ± 0.0	0.77 ± 0.02	1.31
212	5	0.03 ± 0.00	0.33 ± 0.018	0.0 ± 0.0	0.59 ± 0.02	> 5.0