

Supplementary Material

Table S1 Peak list obtained by applying the NTF2 model to the entire 3D HNC0 spectrum of the RcsD-ABL-HPt construct shown in Figure 2.

Index	Peak position (ppm)			Peak intensity
	¹ H	¹⁵ N	¹³ C	
1	7.773	121.319	181.845	2.494 x 10 ⁹
2	7.899	121.386	181.305	2.511 x 10 ⁹
3	7.889	121.384	181.236	2.511 x 10 ⁹
4	7.341	118.833	180.873	2.610 x 10 ⁹
5	7.872	108.587	180.780	1.410 x 10 ⁹
6	8.149	119.222	180.653	2.329 x 10 ⁹
7	6.743	113.359	180.582	2.826 x 10 ⁹
8	6.855	113.333	180.580	1.997 x 10 ⁸
9	7.443	113.344	180.578	4.723 x 10 ⁹
10	6.745	113.364	180.578	4.659 x 10 ⁹
11	7.426	113.337	180.529	1.918 x 10 ⁹
12	7.542	113.390	180.529	2.026 x 10 ⁹
13	7.544	113.346	180.468	2.069 x 10 ⁹
14	7.435	113.344	180.468	1.441 x 10 ⁹
15	6.936	113.358	180.468	4.906 x 10 ⁸
16	6.842	113.362	180.468	2.385 x 10 ⁹
17	6.767	113.359	180.468	4.277 x 10 ⁹
18	6.823	113.027	180.217	3.462 x 10 ⁸
19	7.381	112.234	180.211	1.389 x 10 ⁹
20	7.333	112.626	180.183	3.457 x 10 ⁹
21	6.787	112.625	180.183	2.872 x 10 ⁹
22	7.427	123.181	180.167	3.069 x 10 ⁹
23	7.972	117.117	180.139	1.866 x 10 ⁹
24	7.470	112.193	179.943	3.669 x 10 ⁸
25	7.246	112.247	179.943	9.570 x 10 ⁸
26	6.879	112.205	179.943	1.430 x 10 ⁹
27	6.665	112.268	179.943	1.289 x 10 ⁹
28	8.554	119.457	179.921	1.921 x 10 ⁹
29	8.701	125.529	179.874	8.385 x 10 ⁸
30	7.675	120.616	179.835	1.867 x 10 ⁹
31	7.375	120.389	179.835	9.582 x 10 ⁸
32	7.916	119.452	179.776	2.449 x 10 ⁹
33	8.412	121.224	179.673	1.414 x 10 ⁹
34	8.376	121.224	179.673	1.274 x 10 ⁹
35	7.483	122.720	179.588	1.752 x 10 ⁹
36	8.202	117.460	179.520	1.152 x 10 ⁹
37	7.103	105.670	179.503	1.745 x 10 ⁹

38	7.882	121.020	179.493	1.985 x 10 ⁹
39	7.747	120.917	179.493	1.928 x 10 ⁹
40	7.727	115.500	179.472	1.948 x 10 ⁹
41	6.728	111.164	179.462	8.158 x 10 ⁸
42	7.259	119.660	179.440	4.770 x 10 ⁸
43	7.883	119.053	179.411	1.211 x 10 ⁹
44	7.715	110.933	179.373	2.273 x 10 ⁹
45	7.219	111.165	179.373	6.513 x 10 ⁸
46	6.632	111.167	179.373	5.583 x 10 ⁸
47	7.472	115.404	179.371	2.254 x 10 ⁹
48	8.389	121.631	179.312	2.397 x 10 ⁹
49	7.163	118.975	179.102	1.586 x 10 ⁹
50	7.997	112.504	179.074	5.218 x 10 ⁸
51	8.213	117.191	179.023	7.099 x 10 ⁸
52	6.837	111.782	178.977	1.413 x 10 ⁹
53	8.758	120.931	178.929	8.855 x 10 ⁸
54	7.488	123.082	178.924	1.857 x 10 ⁹
55	7.865	112.084	178.885	2.031 x 10 ⁹
56	8.213	117.191	178.865	8.874 x 10 ⁸
57	8.752	122.588	178.851	1.274 x 10 ⁹
58	8.771	122.589	178.841	1.368 x 10 ⁹
59	8.621	118.665	178.837	1.044 x 10 ⁹
60	8.102	118.142	178.808	2.631 x 10 ⁹
61	8.647	119.997	178.793	2.262 x 10 ⁹
62	6.475	109.772	178.759	1.254 x 10 ⁹
63	8.120	115.730	178.719	2.146 x 10 ⁹
64	8.256	122.561	178.684	1.927 x 10 ⁹
65	8.978	122.421	178.654	1.089 x 10 ⁹
66	7.870	119.902	178.500	3.636 x 10 ⁹
67	7.506	113.141	178.433	1.399 x 10 ⁹
68	6.822	113.026	178.433	7.617 x 10 ⁸
69	6.726	113.115	178.433	1.625 x 10 ⁹
70	8.484	121.075	178.429	2.198 x 10 ⁸
71	8.398	121.224	178.429	2.930 x 10 ⁸
72	8.484	121.075	178.420	2.004 x 10 ⁹
73	7.627	116.661	178.368	1.997 x 10 ⁹
74	7.407	103.796	178.298	1.370 x 10 ⁹
75	8.523	117.685	178.254	1.680 x 10 ⁹
76	7.989	117.444	178.254	2.486 x 10 ⁸
77	8.452	123.271	178.181	1.260 x 10 ⁹
78	8.046	123.160	178.181	1.318 x 10 ⁹
79	8.288	110.130	178.169	1.425 x 10 ⁸
80	9.113	116.733	178.143	1.259 x 10 ⁹
81	7.990	119.338	178.096	4.317 x 10 ⁹
82	8.316	110.130	178.089	5.082 x 10 ⁹
83	8.363	121.837	178.041	5.983 x 10 ⁸

84	8.058	121.940	178.041	1.904×10^9
85	7.851	123.625	177.924	6.097×10^9
86	8.046	121.320	177.915	1.519×10^8
87	8.447	113.475	177.757	1.817×10^9
88	8.028	123.160	177.673	1.534×10^8
89	8.521	116.274	177.647	2.272×10^8
90	7.905	119.452	177.626	9.058×10^8
91	7.778	119.375	177.626	1.161×10^9
92	7.578	117.929	177.611	1.813×10^9
93	8.042	120.314	177.552	2.090×10^9
94	8.022	121.536	177.536	3.585×10^9
95	8.022	121.814	177.501	3.560×10^9
96	8.286	117.595	177.454	2.563×10^9
97	8.260	115.561	177.441	1.480×10^9
98	8.248	115.561	177.441	1.625×10^9
99	8.536	115.024	177.437	3.301×10^8
100	7.289	114.478	177.426	1.572×10^9
101	7.715	120.563	177.383	2.348×10^9
102	8.027	118.781	177.294	1.808×10^9
103	7.839	118.606	177.259	7.284×10^8
104	7.283	118.693	177.259	2.081×10^9
105	8.870	124.576	177.230	1.131×10^9
106	8.745	122.589	177.147	2.120×10^9
107	8.268	122.868	177.092	2.247×10^9
108	8.284	122.868	177.092	1.376×10^{10}
109	7.641	117.523	176.969	1.187×10^9
110	7.510	117.738	176.969	2.300×10^9
111	7.373	120.389	176.954	2.289×10^9
112	8.170	124.053	176.944	1.448×10^9
113	8.252	121.000	176.926	1.588×10^9
114	8.000	122.712	176.894	2.369×10^9
115	8.555	122.397	176.773	8.831×10^8
116	8.418	122.547	176.773	1.724×10^8
117	8.245	119.853	176.731	2.509×10^9
118	8.565	116.895	176.637	2.082×10^9
119	7.903	121.020	176.621	1.695×10^9
120	6.900	123.406	176.610	2.551×10^9
121	8.041	123.160	176.570	2.865×10^9
122	8.921	122.658	176.512	1.477×10^9
123	8.530	121.075	176.450	2.070×10^8
124	7.118	122.498	176.443	8.835×10^8
125	8.271	122.861	176.420	2.011×10^9
126	8.241	121.000	176.412	3.430×10^9
127	8.275	122.868	176.380	8.013×10^9
128	8.184	122.890	176.380	1.434×10^{10}
129	8.219	119.612	176.367	1.157×10^{10}

130	7.189	112.316	176.335	1.108×10^9
131	6.692	112.315	176.335	9.253×10^8
132	8.167	122.246	176.243	9.482×10^9
133	8.377	121.837	176.243	2.435×10^8
134	7.911	117.906	176.233	3.398×10^9
135	8.377	119.288	176.127	1.843×10^9
136	7.362	121.623	176.097	2.246×10^9
137	8.835	113.091	176.090	1.232×10^9
138	7.334	120.158	176.060	1.712×10^9
139	8.142	122.732	176.018	9.192×10^8
140	7.683	114.020	175.983	3.408×10^9
141	8.331	119.774	175.899	2.174×10^9
142	8.645	123.171	175.725	1.455×10^9
143	8.006	122.712	175.721	1.673×10^9
144	8.044	111.855	175.483	1.783×10^9
145	8.104	118.688	175.446	1.522×10^9
146	7.472	120.776	175.439	2.923×10^9
147	8.104	118.688	175.435	1.522×10^9
148	8.037	118.781	175.435	1.775×10^9
149	7.558	116.514	175.379	3.132×10^9
150	8.791	128.412	175.377	1.331×10^9
151	8.881	124.768	175.321	7.139×10^8
152	8.213	125.094	175.240	1.106×10^9
153	7.814	115.655	175.142	2.368×10^9
154	7.635	118.680	175.055	1.866×10^9
155	7.131	123.486	175.009	3.092×10^9
156	7.769	120.917	174.898	3.471×10^9
157	8.213	123.173	174.879	1.645×10^8
158	7.026	118.201	174.838	4.106×10^9
159	8.079	112.504	174.789	6.408×10^8
160	8.082	112.504	174.786	4.021×10^9
161	8.208	109.225	174.764	4.419×10^7
162	8.081	112.504	174.743	4.002×10^9
163	8.212	109.225	174.720	1.309×10^9
164	8.892	127.280	174.719	1.091×10^9
165	7.568	124.637	174.691	1.310×10^9
166	7.348	115.586	174.675	4.117×10^9
167	9.506	132.474	174.650	9.889×10^8
168	8.561	122.397	174.620	3.139×10^9
169	9.306	122.629	174.613	1.252×10^9
170	8.569	122.397	174.608	3.129×10^9
171	8.758	127.692	174.587	9.113×10^8
172	7.903	118.561	174.556	1.549×10^9
173	7.586	118.452	174.556	1.910×10^9
174	8.977	120.854	174.514	1.489×10^9
175	8.212	123.173	174.440	3.363×10^9

176	8.373	121.631	174.440	7.583×10^8
177	7.999	117.444	174.404	2.144×10^9
178	8.334	124.443	174.342	3.779×10^9
179	7.912	119.920	174.186	2.198×10^9
180	9.196	125.786	174.168	7.274×10^8
181	7.660	115.101	174.156	2.474×10^9
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182	8.491	129.232	174.113	1.160×10^9
183	7.997	128.611	174.024	1.000×10^9
184	7.997	128.611	174.024	2.274×10^9
185	8.567	115.024	173.969	1.220×10^9
186	9.200	124.899	173.964	1.931×10^9
187	8.558	122.397	173.763	1.220×10^9
188	8.132	122.270	173.763	1.890×10^9
189	9.183	118.517	173.763	9.120×10^8
190	7.719	122.479	173.701	2.579×10^9
191	8.672	124.207	173.632	1.686×10^9
192	7.719	110.933	173.492	2.218×10^9
193	8.782	123.871	173.487	1.803×10^9
194	8.865	129.937	172.854	8.886×10^8
195	8.004	117.981	172.748	2.644×10^9
196	7.918	119.054	172.713	1.318×10^9
197	7.911	119.054	172.713	2.485×10^9
198	8.127	123.925	172.657	8.509×10^8
199	8.663	128.822	172.294	1.020×10^9
200	8.195	124.361	171.730	2.005×10^9
201	8.707	118.988	170.219	1.506×10^9
