Sample	Experiment	Magnet	MAS Rate (kHz)	Mixing (ms)	Exp Time (hr)
Α	2D ¹³ C- ¹³ C with DARR mixing	17.6 T (WB)	12.500	25	4
Α	2D ¹⁵ N-{ ¹³ CO}- ¹³ CX with DARR mixing	17.6 T (WB)	12.500	25	7
Α	2D ¹⁵ N-{ ¹³ CA}- ¹³ CX with DARR mixing	17.6 T (WB)	12.500	25	7
Α	2D 13 CA-{ 15 N}-{ 13 CO}- 13 CX with DARR mixing	17.6 T (WB)	12.500	50	30
Α	3D ¹³ CA-{ ¹⁵ N}- ¹³ CO	17.6 T (WB)	12.500	N/A	4
Α	3D ¹⁵ N- ¹³ CA- ¹³ CX with DARR mixing	17.6 T (WB)	12.500	50	58
Α	3D ¹⁵ N- ¹³ CO- ¹³ CX with DARR mixing	17.6 T (WB)	12.500	50	29
в	3D ¹⁵ N- ¹³ CO- ¹³ CX with DARR mixing	11.7 T (WB)	11.111	500	181
в	2D ¹³ C- ¹³ C with DARR mixing	11.7 T (WB)	11.111	500	65
в	2D ¹³ C- ¹³ C with DARR mixing	11.7 T (WB)	11.111	150	50
в	2D ¹⁵ N- ¹³ C with TEDOR mixing	14.1 T (WB)	10.000	1.6, 3.2, 4.8, 6.4, 9.6, 12.8, 16.0	9, 13, 13, 9, 13, 13, 13
В	2D ¹⁵ N- ¹³ C with TEDOR mixing	14.1 T (WB)	10.000	1.6, 3.2, 4.8, 6.4, 8.0, 9.6, 12.8, 16.0	7, 14, 21, 35, 21, 21, 28, 28
в	2D ¹³ C- ¹³ C with DARR mixing	14.1 T (WB)	10.000	500	18
в	3D ¹⁵ N- ¹³ CO- ¹³ CX with DARR mixing	14.1 T (WB)	13.333	500	159
в	2D ¹³ C- ¹³ C with DARR mixing	14.1 T (WB)	13.333	750	61
в	2D ¹³ C- ¹³ C with DARR mixing	14.1 T (WB)	10.000	50, 100, 200, 300, 400, 500	22, 11, 12, 19, 33, 42
в	2D ¹³ C- ¹³ C with DARR mixing	17.6 T (NB)	12.500	50, 100, 200, 300, 400, 500	11, 6, 12, 13, 13, 14
в	3D ¹⁵ N- ¹³ CO- ¹³ CX with DARR mixing	17.6 T (NB)	12.500	50	11
в	3D ¹⁵ N- ¹³ CO- ¹³ CX with DARR mixing	17.6 T (NB)	12.500	100	24
в	3D ¹⁵ N- ¹³ CO- ¹³ CX with DARR mixing	17.6 T (NB)	12.500	200	25
В	3D ¹⁵ N- ¹³ CO- ¹³ CX with DARR mixing	17.6 T (NB)	12.500	300	26
С	3D ¹⁵ N- ¹³ CA- ¹³ CX with DARR mixing	11.7 T (WB)	11.111	500	152
с	2D ¹³ C- ¹³ C with DARR mixing	14.1 T (WB)	10.000	100, 200, 300, 400, 500	17, 18, 18, 30 48
с	2D ¹⁵ N- ¹³ C with TEDOR mixing	14.1 T (WB)	10.000	1.6, 3.2, 4.8, 6.4, 9.6, 12.8, 16.0	17, 22, 30, 22 30, 113
С	3D ¹⁵ N- ¹³ CA- ¹³ CX with DARR mixing	17.6 T (WB)	12.500	500	88
С	3D ¹⁵ N- ¹³ CO- ¹³ CX with DARR mixing	17.6 T (WB)	12.500	500	35
С	3D ¹³ CA- ¹⁵ N- ¹³ CO	17.6 T (WB)	12.500	N/A	19
С	2D ¹³ C- ¹³ C with DARR mixing	17.6 T (WB)	12.500	250	2
С	2D ¹³ C- ¹³ C with DARR mixing	17.6 T (WB)	12.500	500	22
С	3D ¹³ C- ¹³ C- ¹³ C with DARR mixing	17.6 T (WB)	12.500	250, 500	306
С	3D ¹⁵ N- ¹³ CA- ¹³ CX with DARR mixing	17.6 T (WB)	12.500	750	230
С	3D ¹⁵ N- ¹³ CO- ¹³ CX with DARR mixing	17.6 T (WB)	12.500	750	100
D	2D ¹³ C- ¹³ C with 1H-1H mixing	17.6 T (WB)	12.500	0.4	283
D	2D ¹³ C- ¹³ C with DARR mixing	17.6 T (WB)	12.500	50	20
Е	2D ¹⁵ N- ¹³ C with TEDOR mixing	11.7 T (WB)	11.111	14.4	81
F	2D ¹⁵ N- ¹³ C with TEDOR mixing	11.7 T (WB)	11.111	14.4	124
				Total Time	3049

Supplementary Table 1. Solid-state nuclear magnetic resonance experiments