

Supplementary Table **ST1**. Unit cell parameters and volume at different pressures.

P (GPa)	σ_P (GPa)	V (Å ³)	σ_V (Å ³)	Exp	
0.0		194.94	0.38		
4.6	0.19	184.70	0.41	I	Comp
5.1	0.28	183.72	0.39	I	Comp
6.0	0.39	182.68	0.56	I	Comp
6.9	0.46	181.07	0.57	I	Comp
7.6	0.36	180.21	0.47	I	Comp
8.1	0.37	179.39	0.98	I	Comp
8.9	0.35	178.60	0.46	I	Comp
9.2	0.40	178.17	0.44	I	Comp
9.9	0.39	177.23	0.51	I	Comp
10.5	0.46	176.52	0.52	I	Comp
11.2	0.60	175.76	0.51	I	Comp
11.8	0.47	174.84	0.45	I	Comp
12.6	0.51	173.92	0.40	I	Comp
13.2	0.55	173.14	0.38	I	Comp
14.0	0.63	172.35	0.33	I	Comp
14.7	0.59	171.55	0.30	I	Comp
15.4	0.59	170.78	0.89	I	Comp
16.1	0.61	169.94	0.33	I	Comp
17.0	0.65	169.12	0.33	I	Comp
18.0	0.84	168.43	0.34	I	Comp
18.6	0.67	167.41	0.91	I	Comp
19.3	0.85	166.57	0.78	I	Comp
20.2	0.62	165.70	0.80	I	Comp
20.9	0.68	165.02	0.88	I	Comp
21.5	0.75	164.36	0.58	I	Comp
22.3	0.79	163.20	0.41	I	Comp
23.1	0.81	162.30	0.42	I	Comp
23.9	0.83	161.56	0.40	I	Comp
25.1	0.82	160.91	0.94	I	Comp
25.6	0.83	160.05	0.48	I	Comp
26.4	0.88	159.40	0.50	I	Comp
27.1	1.04	158.90	0.94	I	Comp
28.0	0.98	158.28	0.89	I	Comp
30.4	1.10	156.49	0.87	I	Comp
32.6	1.11	155.17	0.72	I	Comp
35.0	1.14	153.32	0.80	I	Comp
37.8	1.22	151.34	1.37	I	Comp
41.0	1.12	149.39	1.19	I	Comp

Table 2. contd.

P (GPa)	σ_P (GPa)	V (Å ³)	σ_V (Å ³)		Exp
36.1	2.29	152.54	0.96	I	Decomp
25.2	1.76	161.03	1.63	I	Decomp
15.5	1.12	170.57	0.91	I	Decomp
8.0	0.80	178.85	1.56	I	Decomp
4.1	0.61	187.07	0.74	I	Decomp
3.4	0.42	188.47	1.21	I	Decomp
2.5	0.37	189.92	0.97	I	Decomp
1.7	0.39	191.95	0.58	I	Decomp
0.8	0.31	194.12	1.10	I	Decomp
0.4	0.15	194.89	0.79	I	Decomp
0.1	0.13	194.81	0.79	I	Decomp
0.0		195.03	0.59	I	Decomp
6.2	0.22	182.52	0.55	II	Comp
6.7	0.24	181.43	0.30	II	Comp
7.4	0.26	180.09	0.88	II	Comp
8.1	0.27	178.88	1.82	II	Comp
9.3	0.30	178.10	0.76	II	Comp
10.4	0.59	176.84	0.71	II	Comp
10.4	0.59	176.73	0.55	II	Comp
11.9	0.36	175.03	1.12	II	Comp
13.1	0.71	172.98	0.86	II	Comp
14.4	0.92	172.07	0.88	II	Comp
14.4	0.92	171.84	1.00	II	Comp
15.9	0.85	170.39	1.09	II	Comp
18.2	0.51	168.24	0.34	II	Comp
19.1	0.89	167.00	0.56	II	Comp
20.5	1.16	165.22	0.56	II	Comp
22.2	0.85	164.15	0.57	II	Comp
23.8	0.90	162.68	0.57	II	Comp
25.2	0.96	161.28	1.04	II	Comp
26.3	1.00	159.73	0.78	II	Comp
18.2	1.24	167.41	0.40	II	Decomp
16.7	1.18	168.88	0.34	II	Decomp
1.0	0.12	192.12	0.71	III	Comp
1.0	0.12	192.36	1.09	III	Comp
1.0	0.12	192.16	0.67	III	Comp
1.7	0.32	190.72	0.63	III	Comp
1.7	0.32	190.72	0.93	III	Comp
1.7	0.32	190.77	0.58	III	Comp
1.7	0.32	190.79	0.42	III	Comp
1.7	0.32	190.73	0.30	III	Comp

Table 2. contd

P (GPa)	σ_P (GPa)	V (Å ³)	σ_V (Å ³)		Exp
1.9	0.21	190.61	0.26	III	Comp
2.1	0.19	190.65	0.40	III	Comp
2.1	0.19	190.34	0.25	III	Comp
2.9	0.21	188.45	0.31	III	Comp
2.9	0.21	188.36	0.17	III	Comp
3.2	0.26	187.60	0.30	III	Comp
3.2	0.26	187.48	0.27	III	Comp
4.5	0.26	185.28	0.26	III	Comp
4.5	0.26	185.17	0.29	III	Comp
4.5	0.26	185.11	0.25	III	Comp
5.2	0.31	183.82	0.20	III	Comp
5.2	0.31	183.74	0.22	III	Comp
5.9	0.41	182.46	0.27	III	Comp
5.9	0.41	182.50	0.19	III	Comp
5.9	0.41	182.49	0.20	III	Comp