Table S2. Powder X-ray diffraction data (*d* in Å) for kennygayite. Only calculated lines with $I > 4.5$ are listed.

I_{obs}	d_{obs}	d_{calc}	I_{calc}	*hkl*	I_{obs}	d_{obs}	d_{calc}	I_{calc}	*hkl*
86	9.90	9.8039	84	0 0 1			2.0274	6	2 2 4
27	6.31	6.2686	19	1 0 0	19	1.9665	1.9768	9	1 0 5
43	5.78	5.7808	45	1 0 1			1.9514	20	1 2 5
30	4.87	4.8923	24	-1 0 1			1.9411	6	0 2 5
		4.7668	7	-1 1 0			1.8995	7	2-2 3
30	4.28	4.2559	31	1 0 2			1.8645	22	3 2 2
10	3.737	3.6985	6	0 2 1	39	1.8633	1.8572	17	0 4 1
37	3.589	3.6024	26	0 2 0			1.8492	13	0 4 2
8	3.493	3.5597	15	-1 0 2	33	1.8215	1.8219	16	1-2 4
100	3.291	3.3340	7	0 2 2			1.8201	14	-3 2 0
		3.2680	100	0 0 3			1.7994	15	3-2 1
98	3.149	3.1451	32	-1 2 0	16	1.7914	1.7798	6	-2 0 4
		3.1343	77	2 0 0			1.7703	6	-1 2 5
65	3.114	3.1022	5	1 2 0			1.6968	5	0-4 1
		3.0866	86	1 2 2	40	1.6850	1.6867	12	-1-2 4
68	2.892	2.8904	18	2 0 2			1.6835	11	-3-2 1
		2.8876	65	1-2 1			1.6670	6	0 4 4
39	2.837	2.8392	18	-2 0 1	12	1.6378	1.6340	7	0 0 6
		2.8187	40	-1 2 2			1.6308	8	-3 0 3
		2.7991	5	0 2 3	16	1.6131	1.6190	5	-1-4 1
64	2.721	2.7257	59	-1-2 1			1.6106	19	2 4 1
		2.7046	24	1 2 3	30	1.5799	1.5784	7	4 0 2
30	2.512	2.5011	38	2 0 3			1.5709	11	2 0 6
		2.4555	9	2 2 1			1.5698	7	-3 2 3
22	2.448	2.4510	6	0 0 4	27	1.5670	1.5670	13	0-4 2
		2.4292	21	-1 2 3			1.5623	11	3 2 5
		2.3834	9	-2 2 0			1.5574	8	-2 4 2
10	2.345	2.3462	8	2 2 0	23	1.5429	1.5433	8	2 4 4
		2.3180	9	0 2 4			1.5364	6	-2 2 5
		2.2549	8	2 2 3			1.5343	13	0 4 5
23	2.166	2.1685	11	-2 2 2	15	1.5242	1.5256	6	4 0 3
		2.1629	16	0-2 3			1.5221	7	2-4 1
8	2.138	2.1319	7	1-2 3	5	1.5034	1.5054	6	-4 0 1
27	2.084	2.0895	7	3 0 0	7	1.4814	1.4831	5	3-2 4
		2.0806	21	-2 0 3	15	1.3621	1.3629	9	-2-4 2