Table 1: Point group information.

ID	tag		Schönflies	international	setting	crystal
1	C1	PG:1	C_1	1		triclinic
2	Ci	PG:2	C_i	$\bar{1}$		triclinic
3	C2	PG:3	C_2	2	b-axis	monoclinic
4	Cs	PG:4	C_s	m	b-axis	monoclinic
5	C2h	PG:5	C_{2h}	$2/m$	b-axis	monoclinic
6	D2	PG:6	D_2	222		orthorhombic
7	C2v	PG:7	C_{2v}	$mm2$		orthorhombic
8	D2h	PG:8	D_{2h}	mmm		orthorhombic
9	C4	PG:9	C_4	4		tetragonal
10	S4	PG:10	S_4	$\bar{4}$		tetragonal
11	C4h	PG:11	C_{4h}	$4/m$		tetragonal
12	D4	PG:12	D_4	422		tetragonal
13	C4v	PG:13	C_{4v}	$4mm$		tetragonal
14	D2d	PG:14	D_{2d}	$\bar{4}2m$	-42m	tetragonal
15	D4h	PG:15	D_{4h}	$4/mmm$		tetragonal
16	C3	PG:16	C_3	3		trigonal
17	C3i	PG:17	C_{3i}	$\bar{3}$		trigonal
18	D3	PG:18	D_3	32	321	trigonal
19	C3v	PG:19	C_{3v}	$3m$	3m1	trigonal
20	D3d	PG:20	D_{3d}	$\bar{3}m$	-3m1	trigonal
21	C6	PG:21	C_6	6		hexagonal
22	C3h	PG:22	C_{3h}	$\bar{6}$		hexagonal
23	C6h	PG:23	C_{6h}	$6/m$		hexagonal
24	D6	PG:24	D_6	622		hexagonal
25	C6v	PG:25	C_{6v}	$6mm$		hexagonal
26	D3h	PG:26	D_{3h}	$\bar{6}m2$	-6m2	hexagonal
27	D6h	PG:27	D_{6h}	$6/mmm$		hexagonal
28	T	PG:28	T	23		cubic
29	Th	PG:29	T_h	$m\bar{3}$		cubic
30	O	PG:30	O	432		cubic
31	Td	PG:31	T_d	$\bar{4}3m$		cubic
32	Oh	PG:32	O_h	$m\bar{3}m$		cubic
33	D2d-1	PG:33	$D_{2d}(1)$	$\bar{4}2m$	-4m2	tetragonal
34	D3-1	PG:34	$D_3(1)$	32	312	trigonal
35	C3v-1	PG:35	$C_{3v}(1)$	$3m$	31m	trigonal
36	D3d-1	PG:36	$D_{3d}(1)$	$\bar{3}m$	-31m	trigonal
37	D3h-1	PG:37	$D_{3h}(1)$	$\bar{6}m2$	-62m	hexagonal
38	C4-c	PG:38	$C_4(c)$	4		tetragonal
39	S4-c	PG:39	$S_4(c)$	$\bar{4}$		tetragonal
40	C4h-c	PG:40	$C_{4h}(c)$	$4/m$		tetragonal
41	C3-c	PG:41	$C_3(c)$	3		trigonal
42	C3i-c	PG:42	$C_{3i}(c)$	$\bar{3}$		trigonal
43	C6-c	PG:43	$C_6(c)$	6		hexagonal

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ID	tag		Schönflies	international	setting	crystal
44	C3h-c	PG:44	$C_{3h}(c)$	$\bar{6}$		hexagonal
45	C6h-c	PG:45	$C_{6h}(c)$	$6/m$		hexagonal
46	T-c	PG:46	$T(c)$	23		cubic
47	Th-c	PG:47	$T_h(c)$	$m\bar{3}$		cubic

44	C3h-c	PG:44	$C_{3h}(c)$	$\bar{6}$		hexagonal
45	C6h-c	PG:45	$C_{6h}(c)$	$6/m$		hexagonal
46	T-c	PG:46	$T(c)$	23		cubic
47	Th-c	PG:47	$T_h(c)$	$m\bar{3}$		cubic