SG No. 158 $C_{3\mathrm{v}}^3$ $P3c1$ [trigonal]

Table 1: Wyckoff site: 2a, site symmetry: 3..

No.	position	mapping
1	$[0, 0, z]$	[1,2,3]
2	$\left[0, 0, z + \frac{1}{2}\right]$	[4,5,6]

Table 2: Wyckoff site: 2b, site symmetry: 3..

No.	position	mapping
1	$\left[\frac{1}{3}, \frac{2}{3}, z\right]$	[1,2,3]
2	$\left[\frac{1}{3}, \frac{2}{3}, z + \frac{1}{2}\right]$	[4,5,6]

Table 3: Wyckoff site: 2c, site symmetry: 3..

No.	position	mapping
1	$\left[\frac{2}{3}, \frac{1}{3}, z\right]$	[1,2,3]
2	$\left[\frac{2}{3}, \frac{1}{3}, z + \frac{1}{2}\right]$	[4,5,6]

Table 4: Wyckoff site: 6d, site symmetry: 1

No.	position	mapping
1	$[x, y, z]$	[1]
2	$[-y, x - y, z]$	[2]
3	$[-x + y, -x, z]$	[3]
4	$\left[-y, -x, z + \frac{1}{2}\right]$	[4]
5	$\left[-x + y, y, z + \frac{1}{2}\right]$	[5]
6	$\left[x, x - y, z + \frac{1}{2}\right]$	[6]