

MPG No. 10.3.34 $\bar{4}'$ [Type III, tetragonal]

Table 1: Wyckoff site: $1\mathbf{o}$, site symmetry: $-4'$

No.	position	mapping
1	$[0, 0, 0]$	$[1, 2, 3, 4]$

Table 2: Wyckoff site: $2\mathbf{a}$, site symmetry: $2.$

No.	position	mapping
1	$[0, 0, z]$	$[1, 2]$
2	$[0, 0, -z]$	$[3, 4]$

Table 3: Wyckoff site: $4\mathbf{b}$, site symmetry: 1

No.	position	mapping
1	$[x, y, z]$	$[1]$
2	$[-x, -y, z]$	$[2]$
3	$[y, -x, -z]$	$[3]$
4	$[-y, x, -z]$	$[4]$