

MPG No. 10.2.33 $\bar{4}1'$ [Type II, tetragonal]

Table 1: Wyckoff site: **1o**, site symmetry: $\bar{4}1'$

No.	position	mapping
1	$[0, 0, 0]$	$[1, 2, 3, 4, 5, 6, 7, 8]$

Table 2: Wyckoff site: **2a**, site symmetry: $2.$

No.	position	mapping
1	$[0, 0, z]$	$[1, 2, 5, 6]$
2	$[0, 0, -z]$	$[3, 4, 7, 8]$

Table 3: Wyckoff site: **4b**, site symmetry: 1

No.	position	mapping
1	$[x, y, z]$	$[1, 5]$
2	$[-x, -y, z]$	$[2, 6]$
3	$[y, -x, -z]$	$[3, 7]$
4	$[-y, x, -z]$	$[4, 8]$