MPG No. 8.2.25 $mmm1'$ [Type II, orthorhombic]

Table 1: Wyckoff site: `1o`, site symmetry: `mmm1'`

No.	position	mapping
1	[0, 0, 0]	`[1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16]`

Table 2: Wyckoff site: `2a`, site symmetry: `2mm`

No.	position	mapping
1	[x, 0, 0]	`[1,2,7,8,9,10,15,16]`
2	[$-x$, 0, 0]	`[3,4,5,6,11,12,13,14]`

Table 3: Wyckoff site: `2b`, site symmetry: `m2m`

No.	position	mapping
1	[0, y, 0]	`[1,3,6,8,9,11,14,16]`
2	[0, $-y$, 0]	`[2,4,5,7,10,12,13,15]`

Table 4: Wyckoff site: `2c`, site symmetry: `mm2`

No.	position	mapping
1	[0, 0, z]	`[1,4,6,7,9,12,14,15]`
2	[0, 0, $-z$]	`[2,3,5,8,10,11,13,16]`

Table 5: Wyckoff site: `4d`, site symmetry: `m..`

No.	position	mapping
1	[0, y, z]	`[1,6,9,14]`
2	[0, $-y$, z]	`[4,7,12,15]`
3	[0, y, $-z$]	`[3,8,11,16]`
4	[0, $-y$, $-z$]	`[2,5,10,13]`

Table 6: Wyckoff site: `4e`, site symmetry: `.m.`

No.	position	mapping
1	[x, 0, z]	`[1,7,9,15]`

continued ...

Table 6

No.	position	mapping
2	$[-x, 0, z]$	`[4,6,12,14]`
3	$[-x, 0, -z]$	`[3,5,11,13]`
4	$[x, 0, -z]$	`[2,8,10,16]`

Table 7: Wyckoff site: `4f`, site symmetry: `..m`

No.	position	mapping
1	$[x, y, 0]$	`[1,8,9,16]`
2	$[-x, -y, 0]$	`[4,5,12,13]`
3	$[-x, y, 0]$	`[3,6,11,14]`
4	$[x, -y, 0]$	`[2,7,10,15]`

Table 8: Wyckoff site: `8g`, site symmetry: `1`

No.	position	mapping
1	$[x, y, z]$	`[1,9]`
2	$[-x, -y, z]$	`[4,12]`
3	$[-x, y, -z]$	`[3,11]`
4	$[x, -y, -z]$	`[2,10]`
5	$[-x, -y, -z]$	`[5,13]`
6	$[x, y, -z]$	`[8,16]`
7	$[x, -y, z]$	`[7,15]`
8	$[-x, y, z]$	`[6,14]`