MPG No. 8.8.127 $m'm'm$ (m'mm' setting) [Type III, orthorhombic]

Table 1: Wyckoff site: `1o`, site symmetry: `m'mm'`

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

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

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

Table 3: Wyckoff site: `2b`, site symmetry: `m'2m'`

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

Table 4: Wyckoff site: `2c`, site symmetry: `m'm2'`

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

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

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

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

No.	position	mapping
1	$[x, 0, z]$	`[1,8]`

continued ...

Table 6

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

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

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

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

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