PG No. 25 C_{6v} $6mm$ [hexagonal]

Table 1: Wyckoff site: `1a`, site symmetry: `6mm`

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

Table 2: Wyckoff site: `6b`, site symmetry: `..m`

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

Table 3: Wyckoff site: `6c`, site symmetry: `.m.`

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

Table 4: Wyckoff site: `12d`, site symmetry: `1`

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

12	$[-x,\, -x+y,\, z]$	[12]