MSG No. 168.110 $P61'$ [Type II, hexagonal]

Table 1: Wyckoff site: 1a, site symmetry: 6..1'

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

Table 2: Wyckoff site: 2b, site symmetry: 3..1'

No.	position	mapping
1	$\left[\frac{1}{3},\,\frac{2}{3},\,z\right]$	[1,3,5,7,9,11]
2	$\left[\frac{2}{3},\,\frac{1}{3},\,z\right]$	[2,4,6,8,10,12]

Table 3: Wyckoff site: 3c, site symmetry: 2..1'

No.	position	mapping
1	$\left[\frac{1}{2},\,0,\,z\right]$	[1,4,7,10]
2	$\left[\frac{1}{2},\,\frac{1}{2},\,z\right]$	[2,5,8,11]
3	$\left[0,\,\frac{1}{2},\,z\right]$	[3,6,9,12]

Table 4: Wyckoff site: 6d, site symmetry: 11'

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