SG No. 161 C_{3v}^{6} $R3c$ [trigonal]

* plus set: $+[0,\,0,\,0]$, $+\left[\frac{2}{3},\,\frac{1}{3},\,\frac{1}{3}\right]$, $+\left[\frac{1}{3},\,\frac{2}{3},\,\frac{2}{3}\right]$
* Wyckoff site: `6a`, site symmetry: `3.`

Table 1: Wyckoff bond: `6a@6a`

No.	vector	center	mapping
1	$[0,\,0,\,Z]$	$[0,\,0,\,z]$	`[1,2,3]`
2	$[0,\,0,\,Z]$	$\left[0,\,0,\,z+\frac{1}{2}\right]$	`[4,5,6]`

Table 2: Wyckoff bond: `18b@6a`

No.	vector	center	mapping
1	$[X,\,Y,\,Z]$	$[0,\,0,\,z]$	`[1]`
2	$[-Y,\,X-Y,\,Z]$	$[0,\,0,\,z]$	`[2]`
3	$[-X+Y,\,-X,\,Z]$	$[0,\,0,\,z]$	`[3]`
4	$[-Y,\,-X,\,Z]$	$\left[0,\,0,\,z+\frac{1}{2}\right]$	`[4]`
5	$[-X+Y,\,Y,\,Z]$	$\left[0,\,0,\,z+\frac{1}{2}\right]$	`[5]`
6	$[X,\,X-Y,\,Z]$	$\left[0,\,0,\,z+\frac{1}{2}\right]$	`[6]`

* Wyckoff site: `18b`, site symmetry: `1`

Table 3: Wyckoff bond: `18a@18b`

No.	vector	center	mapping
1	$[X,\,Y,\,Z]$	$[x,\,y,\,z]$	`[1]`
2	$[-Y,\,X-Y,\,Z]$	$[-y,\,x-y,\,z]$	`[2]`
3	$[-X+Y,\,-X,\,Z]$	$[-x+y,\,-x,\,z]$	`[3]`
4	$[-Y,\,-X,\,Z]$	$\left[-y,\,-x,\,z+\frac{1}{2}\right]$	`[4]`
5	$[-X+Y,\,Y,\,Z]$	$\left[-x+y,\,y,\,z+\frac{1}{2}\right]$	`[5]`
6	$[X,\,X-Y,\,Z]$	$\left[x,\,x-y,\,z+\frac{1}{2}\right]$	`[6]`