No. 5 $C2$ C_2^3

$\mathcal{G} = I121$ UNIQUE AXIS b

CELL CHOICE 3

$\mathcal{G} = I112$ UNIQUE AXIS c

Orientation orbit (hkl)	Conventional basis of the scanning group $\mathbf{a}'$	$\mathbf{b}'$	$\mathbf{d}$	Scanning group $\mathcal{H}$	Linear orbit $s\mathbf{d}$	Sectional layer group $\mathcal{L}(s\mathbf{d})$	
UNIQUE AXIS b							
(010)	$\mathbf{c}$	$\mathbf{a}$	$\mathbf{b}$	$I112$	$[s\mathbf{d}, (s+\frac{1}{2})\mathbf{d}]$	$p112$	L03
UNIQUE AXIS c							
(001)	$\mathbf{a}$	$\mathbf{b}$	$\mathbf{c}$				
UNIQUE AXIS b							
$(n0m)$	$\mathbf{b}$	$n\mathbf{c}-m\mathbf{a}$	$p\mathbf{c}+q\mathbf{a}$				
UNIQUE AXIS c							
$(mn0)$	$\mathbf{c}$	$n\mathbf{a}-m\mathbf{b}$	$p\mathbf{a}+q\mathbf{b}$				
		n odd	m even	$I211$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$	$p211$	L08
		p even	q odd		$[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$	$p2_111$ $(\mathbf{b}'/4)$	L09
		or			$[\pm s\mathbf{d}, (\pm s+\frac{1}{2})\mathbf{d}]$	$p1$	L01
		n even	m odd				
		p odd	q even				
		p odd	q odd	$B211$	$[0\mathbf{d}, \frac{1}{2}\mathbf{d}]$	$p211$	L08
					$[\frac{1}{4}\mathbf{d}, \frac{3}{4}\mathbf{d}]$	$p2_111$	L09
					$[\pm s\mathbf{d}, (\pm s+\frac{1}{2})\mathbf{d}]$	$p1$	L01
		n odd	m odd	$C211$	$0\mathbf{d}, \frac{1}{2}\mathbf{d}$	$c211$	L10
					$[s\mathbf{d}, -s\mathbf{d}]$	$\widehat{p}1$	L01

Geometric class C_s – 11m

No. 6 Pm C_s^1

$\mathcal{G} = P1m1$ UNIQUE AXIS b

$\mathcal{G} = P11m$ UNIQUE AXIS c

Orientation orbit (hkl)	Conventional basis of the scanning group $\mathbf{a}'$	$\mathbf{b}'$	$\mathbf{d}$	Scanning group $\mathcal{H}$	Linear orbit $s\mathbf{d}$	Sectional layer group $\mathcal{L}(s\mathbf{d})$	
UNIQUE AXIS b							
(010)	$\mathbf{c}$	$\mathbf{a}$	$\mathbf{b}$	$P11m$	$0\mathbf{d}, \frac{1}{2}\mathbf{d}$	$p11m$	L04
UNIQUE AXIS c					$[s\mathbf{d}, -s\mathbf{d}]$	$p1$	L01
(001)	$\mathbf{a}$	$\mathbf{b}$	$\mathbf{c}$				
UNIQUE AXIS b							
$(n0m)$	$\mathbf{b}$	$n\mathbf{c}-m\mathbf{a}$	$p\mathbf{c}+q\mathbf{a}$	$Pm11$	$s\mathbf{d}$	$pm11$	L11
UNIQUE AXIS c							
$(mn0)$	$\mathbf{c}$	$n\mathbf{a}-m\mathbf{b}$	$p\mathbf{a}+q\mathbf{b}$				