

## Supplemental Information

Table: Output from the ALLSPACE analysis of the cryo-data

SPACEGROUP based on	Phase resid(No)		Phase resid(No)		Target residual
	v.other spots (90 random)		v.theoretical (45 random)		
1 p1	33.5	224	25.1	224	
2 p2	32.9*	112	16.4	224	50.1
3b p12_b	77.8	73	24.3	14	35.1
3a p12_a	73.0	71	19.9	10	34.6
4b p121_b	19.1*	73	14.0	14	35.1
4a p121_a	17.4*	71	9.5	10	34.6
5b c12_b	77.8	73	24.3	14	35.1
5a c12_a	73.0	71	19.9	10	34.6
6 p222	56.9	256	16.5	224	40.8
7b p2221b	62.0	256	16.5	224	40.8
7a p2221a	61.2	256	40.4	224	40.8
8 p22121	24.8*	256	16.5	224	40.8
9 c222	56.9	256	16.5	224	40.8
10 p4	27.1*	272	16.4	224	40.3
11 p422	53.2	562	16.5	224	36.8
12 p4212	24.6*	562	16.5	224	36.8
13 p3	65.4	118	--	--	33.5
14 p312	56.6	299	14.2	22	34.1
15 p321	59.7	305	33.1	34	34.4
16 p6	61.7	348	16.4	224	38.8
17 p622	58.9	716	16.4	224	36.1

\* = acceptable  
 ! = should be considered  
 ` = possibility