

#	PHASE RESIDUALS		IN RESOLUTION RANGES										all IQs	IQ-wght
	DMIN	DMAX	IQ=1	2	3	4	5	6	7	8				
1	1000.0	73.7	7.1	14.6	0.0	0.0	0.0	112.9	156.2	96.8	34.2	14.3		
1	16	4	0	0	0	1	2	3	26	26				
2	73.5	52.1	4.5	21.7	70.2	93.0	160.4	81.5	0.0	104.0	35.0	22.4		
2	16	11	3	3	1	2	0	2	38	38				
3	52.1	42.6	10.5	45.1	47.7	21.8	12.4	21.6	0.0	0.0	29.3	29.9		
3	4	3	5	2	2	2	0	0	18	18				
4	42.5	36.9	6.0	4.4	29.7	18.8	15.6	37.7	9.9	78.9	14.7	8.4		
4	22	10	5	1	2	1	1	3	45	45				
5	36.8	33.0	3.9	11.7	10.4	13.4	0.0	42.5	0.0	0.9	11.6	11.0		
5	3	13	3	3	0	1	0	1	24	24				
6	33.0	30.1	0.0	16.4	22.2	20.8	61.2	121.8	0.0	51.1	33.6	26.2		
6	0	8	6	3	5	1	0	1	24	24				
7	30.1	27.9	8.8	8.3	21.2	22.6	43.4	111.2	0.0	62.2	31.5	20.6		
7	1	14	4	7	6	4	0	2	38	38				
8	27.9	26.1	6.2	11.6	0.0	66.5	0.0	0.0	20.7	0.0	23.7	18.0		
8	3	6	0	3	0	0	1	0	13	13				
9	26.1	24.6	0.0	0.0	0.0	25.5	18.2	23.1	20.2	54.3	38.1	22.1		
9	0	0	0	1	1	3	2	7	14	14				
10	24.6	23.3	0.0	10.3	15.4	32.3	20.5	24.0	39.7	19.1	23.3	20.6		
10	0	2	6	3	4	2	4	2	23	23				
11	23.3	22.2	0.0	1.8	22.0	18.2	26.3	33.6	41.0	36.1	26.7	22.2		
11	0	1	4	3	5	2	2	3	20	20				
12	22.2	21.3	0.0	15.9	0.0	22.4	0.0	14.4	0.0	30.4	20.0	18.0		
12	0	1	0	2	0	2	0	1	6	6				
13	21.3	20.4	0.0	0.0	0.0	17.5	0.0	21.4	0.0	52.3	35.9	19.1		
13	0	0	0	1	0	1	0	2	4	4				
14	20.4	19.7	0.0	0.0	13.3	35.9	41.0	26.3	0.0	52.0	41.5	29.0		
14	0	0	2	1	4	2	0	9	18	18				
15	19.7	19.0	0.0	0.0	0.0	0.0	0.0	129.2	0.0	63.7	76.8	129.2		
15	0	0	0	0	0	1	0	4	5	5				
			6.1	13.5	27.7	32.6	39.3	55.3	52.0	57.4				
			65	73	38	33	30	25	12	40				
Overall:			Phaseresidual = 28.462					Number of spots = 316						

Table S1