

	BhP1-5delC Bound to 2',3'-cGAMP	BhP1-5delC Bound to 3',3'-cGAMP	BhP1-5delC_A9G/U55C Bound to 2',3'-cGAMP	BhP1-5delC_A9G/U55C Bound to 2',3'-cGAMP
Data collection				
Space group	<i>P</i> 6 ₃	<i>P</i> 2 ₁ 2 ₁ 2 ₁	<i>P</i> 6 ₃	<i>P</i> 6 ₃
a, b, c (Å)	91.6, 91.6, 100.6	30.6, 40.1, 185.0,	93.2, 93.2, 102.4	91.9, 91.9, 101.8
α, β, γ (°)	90.0, 90.0, 120.0	90, 90, 90	90.0, 90.0, 120.0	90.0, 90.0, 120.0
Wavelength(Å)	0.979	0.979	1.102	0.978
Resolution (Å)	50.00-2.15 (2.27-2.15)	50.0-1.7 (1.8-1.7)	80.8-2.9 (3.1-2.9)	79.6-2.8(3.0-2.8)
<i>R</i> _{pim}	0.03 (0.4)	0.02 (0.2)	0.05 (0.3)	0.07 (0.4)
<i>I</i> / <i>σ</i> <i>I</i>	13.4 (1.9)	50.3 (1.8)	12.8 (3.0)	15.1 (3.0)
Completeness (%)	99.9% (99.8%)	99.2% (95.5%)	100.0% (100.0%)	97.6% (100.0%)
Redundancy	9.0 (8.3)	12.2 (10.1)	18.9 (18.3)	13.8 (14.0)
CC _{1/2}	1.0 (0.6)	1.0 (0.9)	1.0 (0.9)	1.0 (0.9)
Refinement				
Resolution (Å)	50.00-2.15 (2.3-2.15)	39.2 - 1.7	31.7-2.9 (3.0-2.9)	30.1-2.8 (2.9-2.8)
No.reflections	26041	25769	11215	11322
<i>R</i> _{work} / <i>R</i> _{free} (%)	19.9/23.1	21.9/25.5	19.7/25.9	17.2/22.0
No. of atoms				
RNA	3205	1624	3303	3303
Ligand	90	135	90	90
Mg ²⁺	5	10	3	3
K ⁺	2	/	/	/
Water	91	119	17	25
<i>B</i> -factors(Å ²)				
RNA	50.1	46.9	57.7	44
Ligand	38.2	39.5	46.1	31
Mg ²⁺	37.1	45.5	52.8	51.2
K ⁺	48.5	/	/	/
Water	43.5	43.7	48.6	36.2
R.m.s deviations				
Bond lengths (Å)	0.005	0.006	0.006	0.008
Bond angles (°)	1.1	1.3	1.2	1.5

Values for the highest-resolution shell are in parentheses.