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Table 35-1. Physical Characteristics of *B. subtilis* Bacteriophages.

Group	Phage Members ^a	Head Size (nm)	Tail size ^b (nm)	DNA length (kb)	DNA %G+C (mol%)	References
I	φ105 , ρ6, ρ10, ρ14	50-52	10 x 220 (N)	38-40	43.5	7, 13
II	SPO2	50	10 x 180 (N)	40	43	8, 13, 14, 105
III	SPβ , φ3T, Z, ρ11, SPR, IG1, IG3, IG4, H2	72 x 82	12 x 358 (N)	110-134	31	22, 28, 35, 36, 54, 85, 132, 137, 153, 155
IV	SP16	61 x 61	12 x 192	60	37.8	84, 97
V	PBSX , PBSW, PBSY, PBSZ	45 x 45	20 x 200 (C)	30, 13 kb bacterial DNA packaged	43 ^c	2, 121, 144

^aTypical phage for each group indicated by bold-faced type.

^bN, noncontractile tail; C, contractile

^cMol%G+C of packaged *B. subtilis* chromosomal DNA (69)