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Table 38-2. Mycobacteriophage capsid genes

Phage	Capsid	Size(aa)	Capsid homologues	Other Features
L5	gp17	327	D29 gp17, Bxb1 gp14, Bxz2 gp17, A118 gp6, Che9d gp7, TM4 gp9	Member of the HK97 gp5 family of capsid proteins
D29	gp17	319	L5 gp17, Bxb1 gp14, Bxz2 gp17, A118 gp6, Che9d gp7, TM4 gp9	Member of the HK97 gp5 family of capsid proteins
Bxb1	gp14	398	L5 gp17, D29 gp17, Bxz2 gp17, A118 gp6, Che9d gp7, TM4 gp9	Member of the HK97 gp5 family of capsid proteins. 180aa C-term. extension at ends of Bxb1 gp19, Rosebush gp15 & gp21. In middle of Bxb1 gp23, Bxz1 g124, Omega gp35 & Bxz2 gp27
Bxz2	gp17	331	Bxb1 gp14, L5 gp17, D29 gp17, A118 gp6, TM4 gp9, Che9d gp7	Member of the HK97 gp5 family of capsid proteins
TM4	gp9	306	A118 gp6, Bxz2 gp17, D29 gp17, L5 gp17, Bxb1 gp14	Member of the HK97 gp5 family of capsid proteins
Che9d	gp7	312	R1t gp31, Bxz2 gp17, D29 gp17, L5 gp17, Bxb1 gp14	Member of the HK97 gp5 family of capsid proteins
Cjw1	gp12	498	BFK20 gp6, HK97 gp5, HK022 gp5, D3 gp6	Member of the HK97 gp5 family of capsid proteins
Omega	gp15	478	HK97 gp5, HK022 gp5, bIL285 gp44, (Bxb1 gp13?)	Member of the HK97 gp5 family of capsid proteins
Che9c	gp6	544	Rv1576c, Rv2650c, AgrC capsid, Caulobacter hyp., M. loti gp36, H. flu hyp., SfV capsid, VWB gp2	Member of the HK97 gp5 family of capsid proteins
Che8	gp6?	274	DRA0099	PSI-BLAST connection to T3/T7 capsid subunits
Corndog	gp41?	290	HI0445/HI0446	HI0445/HI0446 is a homologue of phiC31 gp36
Rosebush	gp15?	676		gp15 has C-term. extension of Bxb1 gp14 & gp19 and Rosebush gp21. No homologues.
Bxz1	??			Capsid gene identity uncertain; no homologues
Barnyard	??			Capsid gene identity uncertain; no homologues