

Table S5. Prophages resident in *M. abscessus* genomes

Prophage <sup>1</sup>	Complete <sup>2</sup>	Cluster <sup>3</sup>	attB <sup>4</sup>	att (bp) <sup>5</sup>	Coordinates <sup>6</sup>	Length(bp) <sup>7</sup>	Orfs <sup>8</sup>
prophiATCC19977-1	Yes	MabA1	attB-5	42	1754373-1816169	61,797	113
prophiGD26-1	Yes				1737847-1799643		
prophiGD47-1	Yes				C2 475612-537408		
prophiGD40-1	Yes				C3 292175-353971		
prophiGD11-1	Yes	MabA1	attB-5	42	C5 191029-253263	62,235	115
prophiGD15-1	Yes	MabA1	attB-5	42	C2 233283 -162702r	70,582	125
prophiGD41-1	Yes			41	1737995-1808576	70,582	
prophiGD59-1	Yes				C2 292146-362727	70,582	
prophiGD17-2	Yes	MabA1	attB-5	42	1785766-1847562	61,797	113
prophiGD20-1	Yes	MabA1	attB-5	42	1737838-1806869	69,032	129
prophiGD21-2	Yes	MabA1	attB-5	42	209421-147437r	61,985	117
prophiGD22-1	Yes	MabA1	attB-5	42	1753803-1814377	60,575	118
prophiGD27-1	Yes	MabA1	attB-5	42	C3 308161- 367705	59,545	116
prophiGD43A-1	Yes	MabA1	attB-18	48	1665669-1727971	62,303	118
prophiGD57-2	Yes	MabA1	attB-5	42	1753840-1813851	60,012	117
prophiGD102-1	Yes	MabA1	attB-5	42	C1 429593-366359	63,235	117
prophiGD02-2	Yes	MabA2	attB-15	48	C2 220134-280685	60,522	115
prophiGD90-1	Yes	MabA2	attB-15	48	C15 62013-1462r	60,522	115
prophiGD91-2	Yes	MabA3	attB-5	42	1820105-1884312	64,208	116
prophiGD08-1	No	MabA1			C6 292176-ND <sup>9</sup>	multicontig	
prophiGD10-1	No	MabA1			C26	multicontig	
prophiGD12-1	No	MabA1			C23	multicontig	
prophiGD13-1	No	MabA1			C6 173880-ND	multicontig	
prophiGD14-1	No	MabA1			C10	multicontig	
prophiGD23-1	No	MabA1			C5 59298	multicontig	
prophiGD24-1	No	MabA1			C5 58100-ND	multicontig	
prophiGD30-1	No	MabA1			C5	multicontig	
prophiGD34-1	No	MabA1			C20 308161 – C30	multicontig	
prophiGD35-1	No	MabA1			C16 57938-57897	multicontig	
prophiGD36-1	No	MabA1			C34, C8 7094	multicontig	
prophiGD39-1	No	MabA1			C26	multicontig	
prophiGD42-1	No	MabA1			C7 & C13, 60016-ND	multicontig	
prophiGD43B-3	No	MabA1			C12 100693-ND	multicontig	
prophiGD58-2	No	MabA1			C6	multicontig	
prophiGD75-2	No	MabA1				multicontig	
prophiGD81-1	No	MabA1				multicontig	
prophiGD84-1	No	MabA1			C11	multicontig	
prophiGD100A-1	No	MabA1			C2, C10, C19	multicontig	
prophiGD100B-1	No	MabA1			C10, C11, C20, C21	multicontig	
prophiGD104-1	No	MabA1			C6, C11	multicontig	
prophiGD16-2	No	MabA2	attB-15	48	C6, C19, C25	multicontig	
prophiGD08-2	Yes	MabB	attB-2	40	C14,108963 – 68889r	40,071	63
prophiGD11-2	Yes	MabB	attB-2	40	C14,108999 – 69045r	39,951	63
prophiGD16-1	Yes	MabB	attB-2	40	C9, 46031 - 86086	40,056	59
prophiGD21-1	Yes	MabB	attB-2	40	C10 36362-77136	40,775	63
prophiGD34-2	Yes	MabB	attB-2	40	C13 109092 - 69049	40,044	63
prophiGD42-2	Yes	MabB	attB-2	40	C14 35327 - 75397	40,071	63
prophiGD43A-2	Yes	MabB	attB-2	40	567429-607575	40,147	61
prophiGD62-1	Yes	MabB	attB-2	40	C4 254446-293633	39,188	59
prophiGD89-1	Yes	MabB	attB-2	40	C12 48033-88524	40,492	63
prophiGD13-2	Yes	MabC	attB-13	18	C1 743264-794604	51,341	70
prophiGD33-1	Yes	MabC	attB-12	17	C4 300386-351461	51,076	71
prophiGD39-2	Yes	MabC	attB-13	18	C1 414064-361484r	52,581	71
prophiGD43A-3	Yes	MabC	attB-13	18	4129439-4180188	50,750	71
prophiGD44-1	Yes	MabC	attB-13	18	C1 275695-222635r	53,061	76
prophiGD51-1	Yes	MabC	attB-13	18	C1 756876-808079	51,204	77
prophiGD52-1	Yes	MabC	attB-13	18	C2 403351-453146	49,796	76
prophiGD57-1	Yes	MabC	attB-13	18	4001908-4054497	52,581	73
prophiGD91-1	Yes	MabC	attB-13	18	C1 112777-63020r	49,758	72
prophiGD100A-2	Yes	MabC	attB-12	17	617106-667933	50,828	71
prophiGD100B-2	Yes	MabC	attB-12	17	617106-667933	50,828	
prophiGD104-2	Yes	MabC	attB-12	17	1019283-1068838	49,556	73
prophiGD42-3	No	MabC			C2, C1, C29, ND	multicontig	

prophiGD56-1	No	MabC			C24;C3, C5, C29, ND	multicontig	
prophiGD61-1	No	MabC			C24	multicontig	
prophiGD72-1	No	MabC			C13, C23, C1	multicontig	
prophiGD82-1	No	MabC			C27, C13, C20, ND	multicontig	
prophiGD05-1	Yes	MabD	attB-10	76	3676892-3737783	60,892	96
prophiGD12-2,	Yes	MabD	attB-10	76	C1 575019-629478r,	54,460	87
prophiGD14-2	Yes				C1 769184-714725r		
prophiGD17-1	Yes	MabD	attB-3	39	1082962-1134147r	51,224	88
prophiGD84-2	No	MabD			C1 and C7	multicontig	
prophiGD25-1	Yes	MabE1	attB-4		1888601-1949296	60,696	79
prophiGD53-1	Yes	MabE1	attB-4		C2 573757-513326r	60,432	80
prophiGD04-1	Yes				C2 449800-510231	60,432	
prophiGD111-1	Yes				C2 272204-60432	60,432	
prophiGD54-1	Yes	MabE1	attB-4		1852862-1913557	60,696	79
prophiGD68-1	Yes	MabE1	attB-4		1673431-1733862	60,432	80
prophiGD102-2	Yes	MabE1	attB-4		C1 505277-444582r	60,696	79
prophiGD91-4	Yes	MabE2	attB-16		C1 601962-660459	58,498	84
prophiGD09-1	No	MabE1			C6, C15, C32	multicontig	
prophiGD45-1	No	MabE1			C6, C26, C11, C14	multicontig	
prophiGD52-2	No	MabE1			C7, C13	multicontig	
prophiGD86-2	No	MabE1			C8, C13, C34	multicontig	
prophiGD08-3	Yes	MabF	attB-3	38	C7 175238-227838	52,601	77
prophiGD11-3	Yes	MabF	attB-3	38	C2 175238-229977	54,740	81
prophiGD62-2	Yes	MabF	attB-3	38	C3 66030-120339	54,310	82
prophiGD03-1	Yes	MabG	attB-11	25	C1 1175908-1230728	54,821	85
prophiGD21-3	Yes	MabG	attB-11	25	C1 311838-258956r	52,874	79
prophiGD24-2	Yes	MabG	attB-11	25	C1 260970-313844	52,875	80
prophiGD58-1	Yes	MabG	attB-11	25	C11 101001-157085	56,085	83
prophiGD95-1	No	MabG			C38, C34	multicontig	
prophiGD05-2	Yes	MabH	attB-8	3	3164547-3208415	43,869	69
prophiGD36-2	Yes	MabH	attB-8	3	C2 289068-332653	43,586	70
prophiGD56-2	No	MabH			C26	multicontig	
prophiGD61-2	No	MabH			C20	multicontig	
prophiGD54-2	Yes	MabI	attB-9	5	3370859-3447429	79,047	156
prophiGD86-1	Yes	MabI	attB-17	5	C7 147871-228663	80,793	166
prophiGD24-3	Yes	MabJ	attB-7	8	C6 248150-303034r	54,885	94
prophiGD43A-4	Yes	MabJ	attB-7	8	2688955-2634523	54,433	93
prophiGD43B-4	Yes				C4 19238-73670	54,433	
prophiGD21-4	No	MabJ			C6, C2	multicontig	
prophiGD75-1	No	MabJ			C14	multicontig	
prophiGD43A-5	Yes	MabK	attB-1	38	233518-310058,	76,541	117
prophiGD43B-2	Yes				C7 187106-263646		
prophiGD53-2	No	MabK			C4, C14, C7	multicontig	
prophiBoletti-1	Yes	MabL	attB-10	30	3445614-3524876	79,288	126
prophiGD43A-6	Yes	MabL	attB-10	30	3745170-3678804	66,367	93
prophiGD43B-1	Yes				C1 1282056-1348442	66,367	
prophiGD88-1	Yes	MabL	attB-10	30	C9 21158-87513	66,356	93
prophiGD55-1	No	MabL			C1, C9	multicontig	
prophiGD60-1	No	MabL			C16, C24	multicontig	
prophiGD05-3	Yes	MabM	attB-11	25	3814819-3759328	55,492	76
prophiGD53-3	Yes	MabN	attB-13	18	C1 1154581-1196507	41,918	72
prophiGD62-3	Yes	MabN	attB-13	18	C1 257844-215194r	42,642	68
prophiGD69-1	Yes				C12 39118-81768	42,642	68
prophiGD108-1	Yes	MabN	attB-13	18	192650-150009r	42,642	68
prophiGD02-1	No	MabN			C1	multicontig	
prophiGD95-2	No	MabN			C19, C52	multicontig	
prophiGD91-3	Yes	MabO	attB-14	18/19	C3 121611-167222	45,607	73
prophiGD51-2	Yes	MabP	attB-6	43	C10 89165-141002	51,838	64
prophiGD79-1	Yes	MabQ	attB-4	33/35	C2 158082-234229	76,148	108

<sup>1</sup>Prophages are named (prophiGDXX) corresponding to the strain carrying the prophage.

<sup>2</sup>Complete prophage genome was extracted from strain, Yes or No.

<sup>3</sup>Cluster designation corresponds to the prophage cluster assignment.

<sup>4</sup>AttB site into which the prophage is integrated (see accompanying paper).

<sup>5</sup>Number of base pairs (bp) in att site.

<sup>6</sup>Contigs (ie: C2) and/or coordinates of prophages in genomes; "r" indicates reverse orientation.

<sup>7</sup>Length of prophage, if complete, or 'multicontig' if unable to be determined due to WGS.

<sup>8</sup>Predicted numbers of open reading frames (ORFs).

<sup>9</sup>Not determined. Additional sequence required.