

Sample information by species

Sample ID	Dated bird ID	Bird species	Tissue	Sequencer
123 mycobacterial samples from 105 birds				
Birds with one sample and one <i>M. avium</i> genotype found				
myc01	20011208	Zoe's imperial pigeon	intestine	HiSeq
myc02	20020925	Southern squatter pigeon	liver	HiSeq
myc04	20090222	White-faced whistling duck	liver	HiSeq
myc05	20020623	Purple-throated fruit crow	liver	HiSeq
myc06	20120428	Bar-headed goose	liver	HiSeq
myc08	20030913	Cabot's tragopan	lung	HiSeq
myc09	20060208	Crested wood partridge	liver	HiSeq
myc10	20030608	Smew	liver swab	HiSeq
myc12	20020530	Papuan mountain pigeon	liver	HiSeq
myc13	20040406	White-faced whistling duck	liver	HiSeq
myc14	20040617	Bronze-winged duck	liver	HiSeq
myc15	20120604	Swan goose	kidney granuloma	HiSeq
myc16	20070925	Blue-bellied roller	liver	Hi Seq
myc17	20040321	Canvasback	liver	HiSeq
myc18	20061217	Redhead	spleen	HiSeq
myc19	20030701	Swan goose	lung	HiSeq
myc23	20050820	Zoe's imperial pigeon	liver	HiSeq
myc25	20120426	Patagonian crested duck	liver	HiSeq
myc26	20121112	Scaly-sided merganser	liver and spleen (pooled)	HiSeq
myc29	20080509	Chinese monal	lung	HiSeq
myc30	20071127	Eastern white-bellied bustard	liver	HiSeq
myc31	20050906	Canvasback	liver	HiSeq
myc32	20091105	Mandarin duck	spleen	HiSeq
myc33	20120115	Mandarin duck	liver	HiSeq
myc34	20100711	Snowy-crowned robin chat	lung	HiSeq
myc36	20030520	Northern yellow-breasted fruit dove	lung	HiSeq
myc38	20070821	Cabot's tragopan	oral mass	HiSeq
myc39	20110610	Mandarin duck	lung	HiSeq
myc40	20051125	White-faced whistling duck	mass	HiSeq
myc41c	20030414	Red-crested pochard	liver	HiSeq.c
myc42c	20130417	Mandarin duck	spleen	HiSeq.c
myc45	20130902	Red-breasted goose	spleen	HiSeq
myc46	20090418	Mandarin duck	liver	HiSeq
myc49	20140711	Mandarin duck	lung	HiSeq
myc50	20141006	Eastern white-bellied bustard	heart nodule	HiSeq
myc51	20140207	Blue-crowned motmot	liver	HiSeq
myc52	20140527	Mandarin duck	granuloma	HiSeq

myc56a1	19940128	Hartlaub's duck	liver	NextSeq.a1
"	"	"	"	"
myc56Mia	"	"	"	MiSeq.a
"	"	"	"	"
myc84	20121120	Fairy bluebird	intestine	NextSeq
myc86	20150621	Sociable weaver	liver	NextSeq
myc94	20011217	Goldie's lorikeet	shoulder mass	NextSeq
myc104	19951124	Northern red-billed pigeon	lung	NextSeq

Birds with two samples and same *M. avium* genotype found in both, plus two non-mycobacterial genot

myc53	19951026	Northern red-billed pigeon	lung	NextSeq
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"	"	"	"	"
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myc53Mic	"	"	"	MiSeq.c
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"	"	"	"	"
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myc54a1	"	"	liver	NextSeq.a1
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"	"	"	"	"
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myc54Mia	"	"	"	MiSeq.a
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"	"	"	"	"
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myc55a1	20030512	Bartlett's bleeding-heart dove	liver	NextSeq.a1
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"	"	"	"	"
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myc55Mia	"	"	"	MiSeq.a
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"	"	"	"	"
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myc63	"	"	spleen	NextSeq
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myc61	20031024	Bartlett's bleeding-heart dove	lung	NextSeq
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myc61Mi1	"	"	"	MiSeq.1
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myc62	"	"	liver	NextSeq
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Birds with two samples and two slightly different *M. avium* genotypes found

myc58	20131017.1	White-faced whistling duck	liver	NextSeq
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myc85	20131017.2	"	lung	NextSeq
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myc85Mi	"	"	"	MiSeq
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myc59a	20010421.1	Old World comb duck	coelomic nodules	NextSeq.a
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myc59Mi	"	"	"	MiSeq
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myc60	20010421.2	"	liver	NextSeq
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Bird with one sample and two very different *M. avium* genotypes found

myc21	20090702	Malayan long-tailed parakeet	lung	HiSeq
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Bird with three samples and three very different *M. avium* genotypes found

myc27	20020416.1	Cabot's tragopan	intestine	HiSeq
myc37	20020416.2	"	liver	HiSeq
myc48	20020416.3	"	liver	HiSeq

Birds with one sample and one *M. fortuitum* genotype found

myc07	20040711	Blue-crowned hanging parrot	liver	HiSeq
myc20	20090506	Crested jay	lung	HiSeq

Birds with one sample and one *M. genavense* genotype found

myc47	20140826	Blue-winged siva	eye mass	HiSeq
myc64a1	19920331	Yellow-faced myna	liver	NextSeq.a1
"	"	"	"	"
myc65a	20001219	White-bellied imperial pigeon	liver	NextSeq.a
myc70	20040317	Yellow-breasted fruit dove	intestine	NextSeq
myc75	20041214	Malayan long-tailed parakeet	liver	NextSeq
myc77	20070919	Sulawesi superb fruit dove	kidney	NextSeq
myc78	20080201	Golden-headed manakin	liver	NextSeq
myc81	20101027	Western golden-hooded tanager	liver	NextSeq
myc88	19970512	Siberian goldfinch	liver	NextSeq
myc89	20000323	Continental chaffinch	lung	NextSeq
myc93	19960823	Gouldian finch	lung	NextSeq
myc97	20050102	Red-faced lovebird	bone	NextSeq
myc98	20120503	Western fairy bluebird	liver	NextSeq
myc99	20080304	Eastern blue-necked tanager	intestine	NextSeq
myc100	20070921	Sulawesi superb fruit dove	liver	NextSeq
myc101	20061227	Superb fruit-dove	liver	NextSeq
myc103	20150629	White double-toothed barbet	liver	NextSeq
myc108	19981027	Northern carmine bee-eater	spleen	NextSeq
myc109	20140516	Gouldian finch	liver	NextSeq
myc111	20150407	Fairy bluebird	lung	NextSeq
myc112	19950323	Gouldian finch	lung	NextSeq
myc114	20150729	Violceuos euphonia	liver	NextSeq
myc122	20120707	Wompoo fruit dove	liver	NextSeq
myc126c	20020818	White-bearded manakin	liver	NextSeq
"	"	"	"	"
myc128	20140918	Double barred finch	liver	NextSeq
myc129	20140324	Superb fruit dove	lung	NextSeq
myc130	20100228	Golden-headed manakin	liver	NextSeq
myc131	20151220	Swallow tanager	liver	NextSeq
myc132	20040707	Indochinese bar-throated minla	lung	NextSeq

Birds with two samples and same *M. genavense* genotype found in both

myc66a	20070406	Papuan mountain pigeon	lung	NextSeq.a
myc66Mia	"	"	"	MiSeq.a

myc102	"	"	liver	NextSeq
myc72	20060412	Superb fruit dove	liver	NextSeq
myc76	"	"	lung	NextSeq
myc73	20040312	Northern magnificent fruit dove	lung	NextSeq
myc92	"	"	proximal intestine	NextSeq
myc74	20041120	Luzon grey necked imperial pigeon	liver	NextSeq
myc116	"	"	lung	NextSeq
myc79	20101006	Wompoo fruit dove	duodenum	NextSeq
myc80	"	"	liver	NextSeq
myc82	20110425	Spangled cotinga	small intestine	NextSeq
myc118	"	"	liver	NextSeq
myc83	20110506	Jambu fruit dove	liver	NextSeq
myc90	"	"	intestine	NextSeq
myc95	20040529	Luzon gray-necked imperial pigeon	liver	NextSeq
myc96	"	"	lung	NextSeq

Birds with one sample and two very different *M. genavense* genotypes found

myc68	20140514	Diamond dove	lung	NextSeq
myc68Mi	"	"	"	MiSeq
myc91	20080710	Golden backed woodpecker	liver	NextSeq
myc105	20040627	Madagascar button quail	liver	NextSeq
myc115	20040228	Southern wattled jacana	liver	NextSeq
myc125	20150613	Double-barred finch	lung	NextSeq
myc127	20150915	Gouldian finch	liver	NextSeq

Bird with two samples and three genotypes found, two very different *M. genavense* and the other *M. in*

myc117	20070926.1	Blue-naped mousebird	liver	NextSeq
myc121	20070926.3	"	"	NextSeq
myc121Mi	"	"	"	MiSeq

Birds with one sample and three very different *M. genavense* genotypes found

myc71	20020211	Southern wattled jacana	spleen	NextSeq
myc107	19960821	Gouldian finch	lung	NextSeq

Bird with two samples and three very different *M. genavense* genotypes found

myc110	20120628.1	Great go-away bird	liver	NextSeq
myc119	20120628.2	"	small intestine	NextSeq

Bird with two samples and four very different *M. genavense* genotypes found

myc106	20150528.1	Long-tailed finch	lung	NextSeq
myc113	20150528.4	"	liver	NextSeq

Bird with one sample and two genotypes found, one *M. hassiacum* and the other *M. peregrinum*

myc28	20081006	Black-casqued hornbill	spleen	HiSeq
"	"	"	"	"

Birds with one sample and one *M. intracellulare* genotype found

myc24	20100708	Cabot's tragopan	eyelid mass	HiSeq
myc35	20040705	Siberian hoopoe	liver	HiSeq

Birds with one sample and one *Mycobacterium* genotype found other than the preceding ones

myc120	20110206	Western yellow-rumped tinkerbird	liver	NextSeq
myc11	20080513	Collared imperial pigeon	intestine	HiSeq
myc22	20021107	Papuan mountain pigeon	lung	HiSeq

9 samples from 8 birds not containing any or sufficient mycobacteria

Birds with one sample and multiple genotypes found, suggesting contamination plus *M. avium* at cover

myc03	20090423	Jambu fruit dove	intestine	HiSeq
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" " " " "

myc44c	20020218	Lesser flamingo	body tissue	HiSeq.c
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" " " " "

Birds with one sample and one non-mycobacterial genotype found

myc43	20030401	Cabot's tragopan	lung	HiSeq
myc57a	20000320	Cabot's tragopan	liver	NextSeq.a
myc57Mia	"	"	"	MiSeq.a
myc87	20111013	Honduran black-striped sparrow	spleen	NextSeq
myc123	20150729	Micronesian kingfisher	liver	NextSeq
myc123Mi	"	"	"	MiSeq

Birds with one sample and two non-mycobacterial genotypes found in each

myc67	19951027	Northern red-billed pigeon	granuloma	NextSeq
myc69	19960823	Gouldian finch	liver	NextSeq

Second sample with bad reads from same bird as myc123

myc124	20150729	Micronesian kingfisher	ischium mass	NextSeq
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Key to suffices on sample IDs

a = alternate prep protocol

a1 = first of two sequencing runs with alternate prep protocol

c = combination of multiple sequencing runs

Mi = MiSeq sequencing run

Mi1 = first of two MiSeq sequencing runs

Key to color code other than headings

yellow = matching length of mycobacterial genome is < 88% of NCBI length

green = MiSeq reads have no SNPs that are different from those in HiSeq or NextSeq reads

gray = host bird contains bacteria with multiple genotypes

blue = sample is a duplicate, i.e., has no SNPs that are different from another sample from the same b

pink = reads are bad or contain significant contamination

Raw read length (bp)	Filtered read length (bp)	Assembler	Assembler k	Contigs length (bp)	N50	Assembled length (bp)	Raw read coverage
4,111,218,200	2,139,920,900	Velvet	63	112	137,669	4,880,118	842
3,356,250,600	1,648,602,300	Velvet	63	143	88,762	4,870,750	689
3,541,704,000	1,802,338,200	Velvet	63	122	91,115	4,862,891	728
4,608,097,000	2,274,748,900	Velvet	63	177	66,633	4,868,916	946
3,787,190,600	1,911,881,700	Velvet	63	153	73,469	4,846,584	781
4,405,999,400	2,426,629,100	Velvet	63	725	17,755	5,187,238	849
4,469,868,000	2,318,470,800	Velvet	63	212	64,578	5,102,310	876
4,729,787,400	2,333,692,400	Velvet	63	195	51,650	4,851,943	975
3,252,054,400	1,363,599,800	Velvet	63	229	40,907	4,635,986	701
3,984,116,600	1,636,890,700	Velvet	63	190	52,890	4,853,248	821
4,584,730,000	2,003,589,800	Velvet	63	164	68,662	4,837,740	948
2,698,356,600	1,043,690,500	Velvet	63	177	58,558	4,863,480	555
3,542,148,000	1,573,974,500	Velvet	63	173	57,630	4,859,025	729
3,447,858,200	1,483,930,800	Velvet	63	214	44,211	4,841,370	712
3,727,923,200	1,458,995,200	Velvet	63	209	50,061	4,828,492	772
4,572,771,400	2,027,839,400	Velvet	63	224	51,388	4,852,375	942
4,008,539,200	1,763,046,000	Velvet	63	189	54,166	4,847,135	827
1,945,755,600	1,519,121,100	Velvet	63	184	66,227	4,850,331	401
1,066,420,200	816,034,300	Velvet	63	153	73,022	4,848,250	220
965,457,000	774,890,300	Velvet	63	332	33,307	5,043,667	191
1,086,466,800	769,852,000	Velvet	63	239	41,699	4,854,647	224
2,328,900,000	1,857,772,500	Velvet	63	173	58,551	4,858,417	479
979,969,800	692,398,900	Velvet	63	187	51,316	4,858,384	202
1,536,622,000	1,218,858,400	Velvet	63	150	81,823	4,853,523	317
1,575,733,600	1,267,670,300	Velvet	63	286	53,244	5,470,062	288
2,150,591,600	1,717,538,100	Velvet	63	229	71,299	5,124,994	420
313,055,000	164,626,718	Velvet	63	480	22,842	5,064,226	62
713,092,000	572,445,000	Velvet	63	398	24,111	4,816,868	148
955,306,600	761,561,500	Velvet	63	360	26,411	4,801,141	199
314,859,600	251,443,662	Velvet	63	257	40,013	4,847,742	65
864,245,800	665,346,600	Velvet	63	293	34,689	4,839,071	179
1,022,427,800	764,130,800	Velvet	63	292	31,698	4,808,110	213
1,139,449,000	894,457,600	Velvet	63	170	58,551	4,849,734	235
747,120,800	602,628,100	Velvet	63	454	20,501	4,783,559	156
840,079,800	677,795,300	Velvet	63	465	19,504	4,809,532	175
1,812,149,200	1,512,205,800	Velvet	63	444	25,238	5,147,578	352
1,613,600,200	1,345,900,100	Velvet	63	423	20,429	4,729,055	341

2,126,557,800	1,850,526,113	Velvet	99	1,673	3,567	3,928,271	541
2,126,557,800	1,850,526,113	SPAdes	21-121	785	16,122	4,878,208	436
1,909,564,468	413,712,676	Velvet	81	1,907	3,234	4,200,567	455
1,909,564,468	413,712,676	SPAdes	21-121	895	11,349	4,821,448	396
1,917,078,508	1,847,985,493	Velvet	81	111	130,498	5,039,321	380
1,821,793,378	1,747,478,505	Velvet	81	184	103,462	5,546,369	328
1,836,769,686	1,767,655,773	Velvet	81	113	163,648	5,109,925	359
2,126,515,941	2,051,198,318	Velvet	81	85	170,876	4,891,904	435
ypes found in one							
12,104,724,940	11,498,144,461	Velvet	81	542	119,526	12,933,369	936
12,104,724,940	11,498,144,461	SPAdes	21-121	2,286	181,482	18,404,233	658
2,368,907,926	1,249,188,667	Velvet	127	1,126	37,631	12,698,856	187
2,368,907,926	1,249,188,667	SPAdes	21-121	2,327	101,592	17,189,134	138
938,129,700	816,404,177	Velvet	99	2,036	2,169	3,376,491	278
938,129,700	816,404,177	SPAdes	21-121	2,168	5,991	4,968,354	189
821,949,730	160,294,112	Velvet	81	3,592	1,396	3,796,506	217
821,949,730	160,294,112	SPAdes	21-121	2,123	3,819	4,555,209	180
2,554,195,500	2,203,120,072	Velvet	99	1,452	4,295	4,073,662	627
2,554,195,500	2,203,120,072	SPAdes	21-121	754	15,847	4,913,815	520
1,958,801,446	420,599,328	Velvet	81	1,638	4,043	4,350,063	431
1,958,801,446	420,599,328	SPAdes	21-121	756	12,926	4,849,926	431
1,988,348,821	1,919,565,554	Velvet	81	90	126,297	4,881,964	407
1,328,569,582	1,278,320,509	Velvet	81	252	40,010	4,855,981	274
2,595,624,136	956,829,220	Velvet	81	130	85,166	4,847,670	535
1,882,227,227	1,815,419,224	Velvet	81	81	126,268	4,800,919	392
2,133,329,739	2,058,971,742	Velvet	81	107	105,894	4,862,263	439
1,982,223,556	1,909,666,544	Velvet	81	217	42,089	4,846,815	409
1,236,768,064	478,183,892	Velvet	81	272	33,555	4,846,420	255
5,372,670,900	4,740,114,336	Velvet	99	89	121,653	4,866,198	1,104
2,530,821,846	942,194,806	Velvet	81	188	45,624	4,847,520	522
1,760,744,704	1,695,547,972	Velvet	81	87	140,079	4,774,856	369
5,074,425,000	2,118,340,900	Velvet	63	1,880	9,799	5,662,053	896

1,020,959,400	826,378,000	Velvet	63	465	23,597	5,314,984	192
1,313,421,200	973,939,100	Velvet	63	230	73,364	5,233,351	251
656,314,800	527,299,200	Velvet	63	558	19,109	5,173,597	127
2,808,765,200	1,229,994,400	Velvet	63	506	33,667	6,805,534	413
3,393,672,600	1,457,084,100	Velvet	63	201	98,725	6,422,732	528
803,700,000	655,402,800	Velvet	63	153	55,132	4,907,939	164
1,738,854,900	1,460,987,606	Velvet	99	1,986	2,282	3,488,558	498
1,738,854,900	1,460,987,606	SPAdes	21-121	1,992	6,784	4,915,845	354
5,977,634,400	5,195,720,843	Velvet	99	472	16,971	4,770,955	1,253
1,539,494,654	1,470,256,877	Velvet	81	59	214,507	4,904,099	314
1,419,689,637	1,363,402,942	Velvet	81	49	214,499	4,912,812	289
1,239,411,948	1,181,885,092	Velvet	81	53	181,562	4,897,090	253
1,443,863,848	1,392,006,497	Velvet	81	74	157,238	4,757,086	304
1,895,366,965	1,837,074,326	Velvet	81	58	213,072	4,845,872	391
1,625,246,350	1,571,310,768	Velvet	81	46	234,216	4,906,690	331
1,818,058,911	1,757,029,983	Velvet	81	46	273,659	4,916,640	370
2,204,920,633	2,126,458,856	Velvet	81	41	271,143	4,892,012	451
1,522,047,016	1,471,292,075	Velvet	81	50	243,907	4,985,340	305
1,795,101,259	1,736,883,627	Velvet	81	43	238,017	4,908,002	366
2,029,176,541	1,957,248,676	Velvet	81	45	238,017	4,912,462	413
1,856,791,107	1,794,872,522	Velvet	81	38	326,453	4,915,311	378
1,923,643,488	1,859,147,051	Velvet	81	43	238,017	4,913,697	391
1,676,806,427	1,618,583,390	Velvet	81	34	442,139	4,915,883	341
1,357,229,075	1,300,060,130	Velvet	81	59	214,570	4,912,806	276
1,780,545,651	1,724,576,442	Velvet	81	72	140,477	4,907,210	363
1,037,169,300	979,927,895	Velvet	81	392	20,052	4,804,102	216
1,091,114,254	1,033,762,573	Velvet	81	263	35,423	4,851,110	225
1,657,152,828	1,601,498,634	Velvet	81	110	89,517	4,902,372	338
1,796,897,692	1,741,339,798	Velvet	81	45	234,115	4,913,756	366
3,742,138,643	3,262,877,063	Velvet	81	3,253	1,802	3,794,531	986
3,742,138,643	3,262,877,063	SPAdes	21-121	2,340	3,988	4,783,763	782
4,696,970,700	4,355,580,744	Velvet	81	111	108,166	4,903,617	958
4,687,031,700	4,316,461,879	Velvet	81	151	74,633	4,867,496	963
4,055,272,200	3,780,176,871	Velvet	81	113	98,380	4,915,223	825
5,399,896,500	5,015,243,297	Velvet	81	71	144,085	4,888,787	1,105
5,923,714,800	5,529,551,497	Velvet	81	86	115,655	4,885,874	1,212
5,752,597,200	4,717,640,091	Velvet	99	113	86,366	4,901,141	1,174
4,141,248,902	979,822,183	Velvet	81	119	87,337	4,911,679	843

2,016,474,883	1,952,514,974	Velvet	81	40	398,699	4,912,776	410
1,191,634,008	1,134,835,516	Velvet	81	46	203,817	4,915,201	242
1,657,506,390	1,583,835,555	Velvet	81	52	238,008	4,913,514	337
1,336,194,490	1,279,229,491	Velvet	81	41	215,314	4,914,729	272
1,630,111,633	1,574,833,984	Velvet	81	39	273,667	4,914,347	332
1,410,726,931	1,349,276,242	Velvet	81	48	214,662	4,914,031	287
13,318,874,400	4,145,533,724	Velvet	81	118	83,208	4,907,015	2,714
1,538,177,368	1,474,424,013	Velvet	81	48	195,192	4,916,097	313
1,221,065,651	1,157,899,190	Velvet	81	55	170,328	4,914,003	248
1,857,238,902	1,801,540,487	Velvet	81	43	326,475	4,911,281	378
1,881,658,260	1,823,987,839	Velvet	81	41	234,145	4,897,561	384
2,092,553,570	2,024,967,551	Velvet	81	40	273,683	4,915,969	426
1,825,957,696	1,763,596,889	Velvet	81	51	190,817	4,874,915	375
2,027,284,262	1,962,758,511	Velvet	81	39	238,017	4,912,933	413
1,734,070,752	1,676,077,014	Velvet	81	44	238,017	4,916,397	353

2,657,943,300	659,023,259	Velvet	81	164	53,624	4,895,517	543
1,664,290,404	626,918,595	Velvet	81	73	189,838	4,909,710	339
1,945,246,499	1,879,600,692	Velvet	81	37	295,036	4,912,503	396
1,738,825,167	1,672,860,126	Velvet	81	40	296,455	4,915,184	354
1,226,256,782	1,159,243,529	Velvet	81	68	157,207	4,912,528	250
7,364,613,300	2,058,699,758	Velvet	81	84	132,462	4,897,533	1,504
4,346,741,700	4,047,429,112	Velvet	81	126	76,761	4,898,609	887

tracellulare

5,189,925,000	578,785,090	Velvet	81	164	53,656	4,910,350	1,057
1,668,233,066	1,609,988,341	Velvet	81	85	137,577	5,246,892	318
1,148,472,724	457,452,011	Velvet	81	95	125,229	5,290,564	217

1,457,344,313	1,397,846,698	Velvet	81	51	214,657	4,914,637	297
1,448,639,773	1,400,765,478	Velvet	81	84	107,856	4,909,429	295

1,584,064,337	1,533,196,846	Velvet	81	130	79,257	4,902,619	323
6,421,484,700	830,339,752	Velvet	81	140	61,857	4,863,975	1,320

1,722,670,926	1,665,485,380	Velvet	81	45	273,549	4,896,106	352
1,221,179,523	1,161,322,823	Velvet	81	246	37,537	4,872,118	251

707,325,400	631,044,500	Velvet	63	548	54,668	10,309,558	69
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707,325,400	631,044,500	SPAdes	21-77	248	177,301	11,561,794	61
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1,647,549,800	1,333,824,600	Velvet	63	154	125,738	6,194,542	266
1,276,463,600	1,007,393,700	Velvet	63	187	100,923	5,667,875	225

1,246,563,230	1,196,137,810	Velvet	81	149	92,051	4,405,015	283
4,118,576,000	2,173,507,500	Velvet	63	96	224,000	6,656,598	619
3,845,503,600	1,697,773,800	Velvet	63	133	220,816	7,365,065	522

age too low to call SNPs

394,490,600		Velvet	45	36,620	340	11,270,416	35
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394,490,600		SPAdes	21-77	17,075	884	11,532,307	34
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165,110,200		Velvet	27	17,786	1,328	12,324,444	13
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165,110,200		SPAdes	21-77	6,726	3,658	12,905,276	13
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831,590,800	656,961,000	Velvet	63	634	19,830	6,223,827	134
2,777,578,200	2,469,795,229	Velvet	81	182	193,532	5,367,137	518
2,186,582,594	521,244,943	Velvet	81	447	35,266	5,349,549	409
2,091,650,550	1,993,360,642	Velvet	81	94	77,975	2,482,293	843
1,538,873,365	1,488,948,436	Velvet	81	282	176,410	4,998,256	308
1,040,417,336	370,715,813	Velvet	81	225	222,676	5,001,432	208

725,110,785	687,257,295	Velvet	81	170	197,909	9,445,000	77
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750,888,332	709,547,798	Velvet	81	359	106,866	10,082,458	74
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Bad reads

ird

Filtered read Best matching species and strain in coverage NCBI RefSeq database	Average nucleotide identity (%)	Matching length (bp)
438 <i>Mycobacterium avium avium</i> ATCC 25291	99.92	4,872,255
338 <i>Mycobacterium avium avium</i> ATCC 25291	99.92	4,861,951
371 <i>Mycobacterium avium avium</i> ATCC 25291	99.92	4,892,194
467 <i>Mycobacterium avium avium</i> ATCC 25291	99.92	4,863,141
394 <i>Mycobacterium avium avium</i> ATCC 25291	99.91	4,842,142
468 <i>Mycobacterium avium</i> MAV_061107_1842	99.78	5,219,965
454 <i>Mycobacterium avium</i> MAV_061107_1842	99.59	5,150,562
481 <i>Mycobacterium avium avium</i> ATCC 25291	99.91	4,866,492
294 <i>Mycobacterium avium avium</i> ATCC 25291	99.95	4,631,201
337 <i>Mycobacterium avium avium</i> ATCC 25291	99.92	4,849,490
414 <i>Mycobacterium avium avium</i> ATCC 25291	99.91	4,832,921
215 <i>Mycobacterium avium avium</i> ATCC 25291	99.91	4,855,037
324 <i>Mycobacterium avium avium</i> ATCC 25291	99.92	4,852,809
307 <i>Mycobacterium avium avium</i> ATCC 25291	99.92	4,838,663
302 <i>Mycobacterium avium avium</i> ATCC 25291	99.92	4,825,842
418 <i>Mycobacterium avium avium</i> ATCC 25291	99.91	4,844,914
364 <i>Mycobacterium avium avium</i> ATCC 25291	99.92	4,842,143
313 <i>Mycobacterium avium avium</i> ATCC 25291	99.92	4,845,289
168 <i>Mycobacterium avium avium</i> ATCC 25291	99.91	4,845,302
154 <i>Mycobacterium avium</i> MAV_061107_1842	99.61	5,096,507
159 <i>Mycobacterium avium avium</i> ATCC 25291	99.92	4,858,975
382 <i>Mycobacterium avium avium</i> ATCC 25291	99.92	4,854,060
143 <i>Mycobacterium avium avium</i> ATCC 25291	99.91	4,854,322
251 <i>Mycobacterium avium avium</i> ATCC 25291	99.92	4,848,473
232 <i>Mycobacterium avium avium</i> DT 78	99.41	4,838,965
335 <i>Mycobacterium avium hominissuis</i> 101	99.40	4,884,726
33 <i>Mycobacterium avium</i> MAV_061107_1842	99.61	5,104,993
119 <i>Mycobacterium avium avium</i> ATCC 25291	99.92	4,815,143
159 <i>Mycobacterium avium avium</i> ATCC 25291	99.92	4,796,683
52 <i>Mycobacterium avium avium</i> ATCC 25291	99.90	4,846,613
137 <i>Mycobacterium avium avium</i> ATCC 25291	99.92	4,831,549
159 <i>Mycobacterium avium avium</i> ATCC 25291	99.92	4,807,857
184 <i>Mycobacterium avium avium</i> ATCC 25291	99.92	4,843,727
126 <i>Mycobacterium avium avium</i> ATCC 25291	99.91	4,784,724
141 <i>Mycobacterium avium avium</i> ATCC 25291	99.92	4,813,677
294 <i>Mycobacterium avium</i> 104	99.58	5,164,109
285 <i>Mycobacterium avium avium</i> ATCC 25291	99.91	4,738,742

471	<i>Mycobacterium avium avium</i> ATCC 25291	99.88	3,974,569
379	"	99.85	4,951,953
98	"	99.89	4,241,747
86	"	99.88	4,856,723
367	<i>Mycobacterium avium</i> XTB13-223	99.72	5,169,767
315	<i>Mycobacterium avium</i> 104	99.73	5,668,700
346	<i>Mycobacterium avium</i> MAV_061107_1842	99.54	5,258,519
419	<i>Mycobacterium avium avium</i> ATCC 25291	99.95	4,900,599
889	<i>Paenibacillus</i> MAEPY1 + <i>Mycobacterium avium avium</i> ATCC 25291 + <i>Brevibacillus brevis</i> NBRC 100599	97.35 99.76 96.14	5,927,016 37,574 194,849
625	<i>Paenibacillus</i> MAEPY1 + <i>Mycobacterium avium avium</i> ATCC 25291 + <i>Brevibacillus choshinensis</i> DSM 8552	97.30 99.95 96.42	6,236,989 4,919,324 2,389,770
98	<i>Paenibacillus</i> MAEPY1 + <i>Mycobacterium avium avium</i> ATCC 25291 + <i>Brevibacillus brevis</i> NBRC 100599	97.37 99.63 96.01	5,665,983 32,831 309,316
73	<i>Paenibacillus</i> MAEPY1 + <i>Mycobacterium avium avium</i> ATCC 25291 + <i>Brevibacillus choshinensis</i> DSM 8552	97.34 99.80 96.78	6,008,793 4,075,997 850,467
242	<i>Mycobacterium avium avium</i> ATCC 25291	99.93	3,419,838
164	"	99.85	4,728,540
42	"	99.92	3,842,414
35	"	99.86	4,582,560
541	<i>Mycobacterium avium avium</i> ATCC 25291	99.00	4,117,847
448	"	99.87	4,981,650
118	"	99.90	4,392,414
118	"	99.89	4,885,408
393	<i>Mycobacterium avium avium</i> ATCC 25291	99.90	4,894,211
263	<i>Mycobacterium avium avium</i> ATCC 25291	99.91	4,874,376
197	"	99.92	4,846,602
378	<i>Mycobacterium avium avium</i> ATCC 25291	99.90	4,813,152
423	<i>Mycobacterium avium avium</i> ATCC 25291	99.92	4,864,882
394	<i>Mycobacterium avium avium</i> ATCC 25291	99.90	4,866,440
99	"	99.92	4,854,276
974	<i>Mycobacterium avium avium</i> ATCC 25291	99.90	4,883,995
194	"	99.92	4,848,798
355	<i>Mycobacterium avium avium</i> ATCC 25291	99.90	4,787,612
374	<i>Mycobacterium avium</i> MAV_061107_1842 + <i>Mycobacterium avium</i> 104	99.57 99.51	5,292,426 5,152,135

155	<i>Mycobacterium avium MAV_061107_1842</i>	99.59	5,140,011
186	<i>Mycobacterium avium MAV_061107_1842</i>	99.56	5,225,525
102	<i>Mycobacterium avium MAV_061107_1842</i>	99.56	5,144,094
181	<i>Mycobacterium fortuitum fortuitum DSM 46621</i>	99.10	5,804,674
227	<i>Mycobacterium fortuitum fortuitum DSM 46621</i>	98.87	5,824,603
134	<i>Mycobacterium genavense ATCC 51234</i>	99.99	4,935,430
419	<i>Mycobacterium genavense ATCC 51234</i>	99.98	3,514,860
297	"	99.93	4,737,583
1,089	<i>Mycobacterium genavense ATCC 51234</i>	99.99	4,802,441
300	<i>Mycobacterium genavense ATCC 51234</i>	100.00	4,937,640
278	<i>Mycobacterium genavense ATCC 51234</i>	100.00	4,946,863
241	<i>Mycobacterium genavense ATCC 51234</i>	99.99	4,931,320
293	<i>Mycobacterium genavense ATCC 51234</i>	99.99	4,790,412
379	<i>Mycobacterium genavense ATCC 51234</i>	99.99	4,879,809
320	<i>Mycobacterium genavense ATCC 51234</i>	99.99	4,942,445
357	<i>Mycobacterium genavense ATCC 51234</i>	100.00	4,952,724
435	<i>Mycobacterium genavense ATCC 51234</i>	99.99	4,928,338
295	<i>Mycobacterium genavense ATCC 51234</i>	98.70	4,586,612
354	<i>Mycobacterium genavense ATCC 51234</i>	100.00	4,942,107
398	<i>Mycobacterium genavense ATCC 51234</i>	99.99	4,947,492
365	<i>Mycobacterium genavense ATCC 51234</i>	99.99	4,950,134
378	<i>Mycobacterium genavense ATCC 51234</i>	99.99	4,948,113
329	<i>Mycobacterium genavense ATCC 51234</i>	99.99	4,950,285
265	<i>Mycobacterium genavense ATCC 51234</i>	99.99	4,946,937
351	<i>Mycobacterium genavense ATCC 51234</i>	99.99	4,940,143
204	<i>Mycobacterium genavense ATCC 51234</i>	99.99	4,835,166
213	<i>Mycobacterium genavense ATCC 51234</i>	99.99	4,884,837
327	<i>Mycobacterium genavense ATCC 51234</i>	99.98	4,939,048
354	<i>Mycobacterium genavense ATCC 51234</i>	99.99	4,950,329
860	<i>Mycobacterium genavense ATCC 51234</i>	99.98	3,796,305
682	"	99.98	4,626,008
888	<i>Mycobacterium genavense ATCC 51234</i>	99.98	4,938,882
887	<i>Mycobacterium genavense ATCC 51234</i>	99.99	4,901,673
769	<i>Mycobacterium genavense ATCC 51234</i>	99.99	4,950,568
1,026	<i>Mycobacterium genavense ATCC 51234</i>	99.98	4,922,852
1,132	<i>Mycobacterium genavense ATCC 51234</i>	99.98	4,918,302
963	<i>Mycobacterium genavense ATCC 51234</i>	99.99	4,937,556
199	"	99.99	4,946,652

397 <i>Mycobacterium genavense</i> ATCC 51234	99.99	4,948,395
231 <i>Mycobacterium genavense</i> ATCC 51234	99.99	4,950,544
322 <i>Mycobacterium genavense</i> ATCC 51234	99.99	4,948,083
260 <i>Mycobacterium genavense</i> ATCC 51234	99.99	4,947,498
320 <i>Mycobacterium genavense</i> ATCC 51234	99.99	4,948,047
275 <i>Mycobacterium genavense</i> ATCC 51234	99.99	4,947,931
845 <i>Mycobacterium genavense</i> ATCC 51234	99.99	4,939,719
300 <i>Mycobacterium genavense</i> ATCC 51234	99.99	4,952,589
236 <i>Mycobacterium genavense</i> ATCC 51234	99.99	4,948,620
367 <i>Mycobacterium genavense</i> ATCC 51234	99.99	4,945,484
372 <i>Mycobacterium genavense</i> ATCC 51234	99.99	4,933,803
412 <i>Mycobacterium genavense</i> ATCC 51234	99.99	4,952,593
362 <i>Mycobacterium genavense</i> ATCC 51234	99.99	4,911,181
400 <i>Mycobacterium genavense</i> ATCC 51234	99.99	4,948,276
341 <i>Mycobacterium genavense</i> ATCC 51234	99.99	4,952,794
135 <i>Mycobacterium genavense</i> ATCC 51234	99.97	4,929,155
128 "	99.99	4,944,961
383 <i>Mycobacterium genavense</i> ATCC 51234	99.99	4,947,375
340 <i>Mycobacterium genavense</i> ATCC 51234	99.99	4,950,573
236 <i>Mycobacterium genavense</i> ATCC 51234	99.99	4,946,293
420 <i>Mycobacterium genavense</i> ATCC 51234	99.98	4,941,932
826 <i>Mycobacterium genavense</i> ATCC 51234	99.99	4,994,443
118 <i>Mycobacterium genavense</i> ATCC 51234	99.98	4,942,193
307 <i>Mycobacterium intracellulare</i> MOTT-64	99.03	4,890,351
86 "	99.03	4,934,447
284 <i>Mycobacterium genavense</i> ATCC 51234	99.99	4,948,588
285 <i>Mycobacterium genavense</i> ATCC 51234	99.99	4,944,578
313 <i>Mycobacterium genavense</i> ATCC 51234	99.99	4,937,428
171 <i>Mycobacterium genavense</i> ATCC 51234	99.98	4,896,425
340 <i>Mycobacterium genavense</i> ATCC 51234	99.99	4,929,871
238 <i>Mycobacterium genavense</i> ATCC 51234	99.99	4,909,344
61 <i>Mycobacterium hassiacum</i> DSM 44199 + <i>Mycobacterium peregrinum</i> 852002-10433_SCH5171	99.75 98.65	4,802,106 5,272,553
55 <i>Mycobacterium hassiacum</i> DSM 44199 +	99.75	4,819,727

<i>Mycobacterium peregrinum</i> 852002-10433_SCH5171	98.73	6,006,464
215 <i>Mycobacterium intracellulare</i> ATCC 13950	99.15	5,132,548
178 <i>Mycobacterium intracellulare</i> MIN_061107_1834	99.71	5,683,940
272 <i>Mycobacterium arupense</i> GUC1	98.85	3,987,127
327 <i>Mycobacterium</i> URHD0025	98.61	6,185,495
231 <i>Mycobacterium vulneris</i>	98.09	6,142,891
<i>Homo sapiens</i> +		
<i>Burkholderia cepacia</i> +		
<i>Mycobacterium avium avium</i> ATCC 25291	98.99	429,473
<i>Homo sapiens</i> +		
<i>Burkholderia cepacia</i> +		
<i>Mycobacterium avium avium</i> ATCC 25291	98.96	775,484
<i>Methylobacterium aquaticum</i> DSM 16371 +	99.69	6,685,578
<i>Methylobacterium</i> UNCCL110 +	99.45	5,161,824
<i>Mycobacterium avium avium</i> ATCC 25291	99.60	27,834
<i>Methylobacterium aquaticum</i> DSM 16371 +	99.50	6,985,706
<i>Methylobacterium</i> UNCCL110 +	99.43	5,660,432
<i>Mycobacterium avium avium</i> ATCC 25291	99.57	194,720
106 <i>Methylobacterium</i> UNCCL110	99.00	5,591,579
460 <i>Bacillus cereus</i> FRI-35	99.20	5,075,202
97 "	99.19	5,105,057
803 <i>Micrococcus luteus</i> SK58	98.10	2,300,915
298 <i>Salmonella enterica enterica</i> serovar Bareilly	98.53	4,324,295
74 "	98.53	4,332,744
73 <i>Bacillus cereus</i> MB.22 +	99.02	5,094,703
<i>Clostridium botulinum</i> B str. Osaka05	98.09	3,574,853
70 <i>Bacillus cereus</i> FRI-35 +	99.17	5,132,082
<i>Paenibacillus</i> D9	99.35	4,406,357

**Length of Matching/
best NCBI NCBI
strain (bp) length (%) Sample ID**

4,857,995 100.3 myc01
 4,857,995 100.1 myc02
 4,857,995 100.7 myc04
 4,857,995 100.1 myc05
 4,857,995 99.7 myc06
 5,320,946 98.1 myc08
 5,320,946 96.8 myc09
 4,857,995 100.2 myc10
 4,857,995 95.3 myc12
 4,857,995 99.8 myc13
 4,857,995 99.5 myc14
 4,857,995 99.9 myc15
 4,857,995 99.9 myc16
 4,857,995 99.6 myc17
 4,857,995 99.3 myc18
 4,857,995 99.7 myc19
 4,857,995 99.7 myc23
 4,857,995 99.7 myc25
 4,857,995 99.7 myc26

5,320,946 95.8 myc29
 4,857,995 100.0 myc30
 4,857,995 99.9 myc31
 4,857,995 99.9 myc32
 4,857,995 99.8 myc33
 4,959,832 97.6 myc34
 5,465,242 89.4 myc36
 5,320,946 95.9 myc38
 4,857,995 99.1 myc39
 4,857,995 98.7 myc40
 4,857,995 99.8 myc41c
 4,857,995 99.5 myc42c
 4,857,995 99.0 myc45
 4,857,995 99.7 myc46
 4,857,995 98.5 myc49
 4,857,995 99.1 myc50
 5,475,491 94.3 myc51
 4,857,995 97.5 myc52

4,857,995	81.8	myc56a1
4,857,995	101.9	"
4,857,995	87.3	myc56Mia
4,857,995	100.0	"
5,083,913	101.7	myc84
5,475,491	103.5	myc86
5,320,946	98.8	myc94
4,857,995	100.9	myc104

7,478,507	79.3	myc53
4,857,995	0.8	
6,296,436	3.1	
7,478,507	83.4	"
4,857,995	101.3	
6,279,095	38.1	
7,478,507	75.8	myc53Mic
4,857,995	0.7	
6,296,436	4.9	
7,478,507	80.3	"
4,857,995	83.9	
6,279,095	13.5	
4,857,995	70.4	myc54a1
4,857,995	97.3	"
4,857,995	79.1	myc54Mia
4,857,995	94.3	"
4,857,995	84.8	myc55a1
4,857,995	102.5	"
4,857,995	90.4	myc55Mia
4,857,995	100.6	"
4,857,995	100.7	myc63
4,857,995	100.3	myc61
4,857,995	99.8	myc61Mi1
4,857,995	99.1	myc62

4,857,995	100.1	myc58
4,857,995	100.2	myc85
4,857,995	99.9	myc85Mi
4,857,995	100.5	myc59a
4,857,995	99.8	myc59Mi
4,857,995	98.6	myc60

5,320,946	99.5	myc21
5,475,491	94.1	

5,320,946	96.6 myc27
5,320,946	98.2 myc37
5,320,946	96.7 myc48
6,300,050	92.1 myc07
6,300,050	92.5 myc20
4,936,071	100.0 myc47
4,936,071	71.2 myc64a1
4,936,071	96.0 "
4,936,071	97.3 myc65a
4,936,071	100.0 myc70
4,936,071	100.2 myc75
4,936,071	99.9 myc77
4,936,071	97.0 myc78
4,936,071	98.9 myc81
4,936,071	100.1 myc88
4,936,071	100.3 myc89
4,936,071	99.8 myc93
4,936,071	92.9 myc97
4,936,071	100.1 myc98
4,936,071	100.2 myc99
4,936,071	100.3 myc100
4,936,071	100.2 myc101
4,936,071	100.3 myc103
4,936,071	100.2 myc108
4,936,071	100.1 myc109
4,936,071	98.0 myc111
4,936,071	99.0 myc112
4,936,071	100.1 myc114
4,936,071	100.3 myc122
4,936,071	76.9 myc126c
4,936,071	93.7 "
4,936,071	100.1 myc128
4,936,071	99.3 myc129
4,936,071	100.3 myc130
4,936,071	99.7 myc131
4,936,071	99.6 myc132
4,936,071	100.0 myc66a
4,936,071	100.2 myc66Mia

4,936,071	100.2 myc102
4,936,071	100.3 myc72
4,936,071	100.2 myc76
4,936,071	100.2 myc73
4,936,071	100.2 myc92
4,936,071	100.2 myc74
4,936,071	100.1 myc116
4,936,071	100.3 myc79
4,936,071	100.3 myc80
4,936,071	100.2 myc82
4,936,071	100.0 myc118
4,936,071	100.3 myc83
4,936,071	99.5 myc90
4,936,071	100.2 myc95
4,936,071	100.3 myc96
4,936,071	99.9 myc68
4,936,071	100.2 myc68Mi
4,936,071	100.2 myc91
4,936,071	100.3 myc105
4,936,071	100.2 myc115
4,936,071	100.1 myc125
4,936,071	101.2 myc127
4,936,071	100.1 myc117
5,501,090	88.9 myc121
5,501,090	89.7 myc121Mi
4,936,071	100.3 myc71
4,936,071	100.2 myc107
4,936,071	100.0 myc110
4,936,071	99.2 myc119
4,936,071	99.9 myc106
4,936,071	99.5 myc113
5,079,967	94.5 myc28
6,751,207	78.1
5,079,967	94.9 "

6,751,207 89.0

5,328,562 96.3 myc24

5,728,455 99.2 myc35

4,441,410 89.8 myc120

6,656,982 92.9 myc11

6,981,439 88.0 myc22

myc03

4,857,995 8.8

"

4,857,995 16.0

7,425,331 90.0 myc44c

6,611,783 78.1

4,857,995 0.6

7,425,331 94.1 "

6,611,783 85.6

4,857,995 4.0

6,611,783 84.6 myc43

5,382,319 94.3 myc57a

5,382,319 94.8 myc57Mia

2,622,687 87.7 myc87

4,808,805 89.9 myc123

4,808,805 90.1 myc123Mi

6,507,239 78.3 myc67

4,408,349 81.1

5,382,319 95.4 myc69

5,645,302 78.1

myc124

Comments

Similar match to *M. avium 104*
Low coverage, so used reads as short as 75 bp

Combination of two repeat runs; low coverage, so used reads as short as 75 bp
Combination of three repeat runs

Similar match to *M. avium hominissuis 101*

MiSeq.a; no SNPs different from NextSeq.a1

Similar to MAV 104

Almost as good match to *B. brevis* NBRC 100599

MiSeq; combination of two repeat runs; cropped to 250 bp instead of 150 bp;

no SNPs in *M. avium* different from NextSeq

Almost as good match to *B. brevis* NBRC 100599

No SNPs in *M. avium* different from myc53

MiSeq.a; no SNPs different from NextSeq.a1

No SNPs different from myc63

MiSeq.a; no SNPs different from NextSeq.a1

No SNPs different from myc62

MiSeq.1; no SNPs different from NextSeq

Five SNPs different from myc58

MiSeq; no SNPs different from NextSeq

MiSeq; no SNPs different from NextSeq.a

Two SNPs different from myc59a

Two genotypes separated by thousands of SNPs

Many SNPs different from myc27 and myc48
Many SNPs different from myc27 and myc37

Similar match to *M. VKM Ac-1817D*
Similar match to *M. VKM Ac-1817D*

Outlier

Combination of two repeat runs

MiSeq.a; no SNPs different from NextSeq.a

No SNPs different from myc66a

No SNPs different from myc72

No SNPs different from myc73

No SNPs different from myc74

No SNPs different from myc79

No SNPs different from myc82

No SNPs different from myc83

No SNPs different from myc95

Two genomes separated by >12 SNPs at sites with mixed alleles

MiSeq; no SNPs different from one of NextSeq genomes

Two genotypes separated by >12 SNPs at sites with mixed alleles

Two genotypes separated by >12 SNPs at sites with mixed alleles

Two genotypes separated by >12 SNPs at sites with mixed alleles

Two genotypes separated by >12 SNPs at sites with mixed alleles

Two genotypes separated by >12 SNPs at sites with mixed alleles

Two genotypes separated by >12 SNPs at sites with mixed alleles

MiSeq; no SNPs different from NextSeq

Three genotypes separated by >12 SNPs at sites with mixed alleles

Three genotypes separated by >12 SNPs at sites with mixed alleles

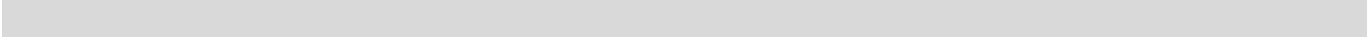
Two genotypes separated by >12 SNPs at sites with mixed alleles; one genotype 10 SNPs from myc110

Three genotypes separated by >12 SNPs at sites with mixed alleles

Two genotypes separated by >12 SNPs at sites with mixed alleles; one genotype the same as one of myc

Low coverage, so used reads as short as 75 bp

Low coverage, so used reads as short as 75 bp



Not close to any named species

Very low coverage, so used raw reads; coverage too low to call SNPs for *M. avium*; significant contamination from *H. sapiens*

Very low coverage, so used raw reads; coverage too low to call SNPs for *M. avium*; significant contamination from *H. sapiens*

Very low coverage, so used raw reads; coverage too low to call SNPs for *M. avium*; combination of two repeat runs

Very low coverage, so used raw reads; coverage too low to call SNPs for *M. avium*; combination of two repeat runs

Almost as good match to *M. oryzae CBMB20*

MiSeq.a; no SNPs different from NextSeq.a

Good *S. enterica* match listed, but not necessarily the best one

MiSeq; no SNPs different from NextSeq

Similar match to P. P22

Sample information by ID

Sample ID	Dated bird ID	Bird species	Tissue	Sequencer
112 mycobacterial samples from 105 birds excluding 11 duplicates				
myc01	20011208	Zoe's imperial pigeon	intestine	HiSeq
myc02	20020925	Southern squatter pigeon	liver	HiSeq
myc04	20090222	White-faced whistling duck	liver	HiSeq
myc05	20020623	Purple-throated fruit crow	liver	HiSeq
myc06	20120428	Bar-headed goose	liver	HiSeq
myc07	20040711	Blue-crowned hanging parrot	liver	HiSeq
myc08	20030913	Cabot's tragopan	lung	HiSeq
myc09	20060208	Crested wood partridge	liver	HiSeq
myc10	20030608	Smew	liver swab	HiSeq
myc11	20080513	Collared imperial pigeon	intestine	HiSeq
myc12	20020530	Papuan mountain pigeon	liver	HiSeq
myc13	20040406	White-faced whistling duck	liver	HiSeq
myc14	20040617	Bronze-winged duck	liver	HiSeq
myc15	20120604	Swan goose	kidney granuloma	HiSeq
myc16	20070925	Blue-bellied roller	liver	Hi Seq
myc17	20040321	Canvasback	liver	HiSeq
myc18	20061217	Redhead	spleen	HiSeq
myc19	20030701	Swan goose	lung	HiSeq
myc20	20090506	Crested jay	lung	HiSeq
myc21	20090702	Malayan long-tailed parakeet	lung	HiSeq
myc22	20021107	Papuan mountain pigeon	lung	HiSeq
myc23	20050820	Zoe's imperial pigeon	liver	HiSeq
myc24	20100708	Cabot's tragopan	eyelid mass	HiSeq
myc25	20120426	Patagonian crested duck	liver	HiSeq
myc26	20121112	Scaly-sided merganser	liver and spleen (pooled)	HiSeq
myc27	20020416.1	Cabot's tragopan	intestine	HiSeq
myc28	20081006	Black-casqued hornbill	spleen	HiSeq
myc29	20080509	Chinese monal	lung	HiSeq
myc30	20071127	Eastern white-bellied bustard	liver	HiSeq
myc31	20050906	Canvasback	liver	HiSeq
myc32	20091105	Mandarin duck	spleen	HiSeq
myc33	20120115	Mandarin duck	liver	HiSeq
myc34	20100711	Snowy-crowned robin chat	lung	HiSeq
myc35	20040705	Siberian hoopoe	liver	HiSeq
myc36	20030520	Northern yellow-breasted fruit dove	lung	HiSeq
myc37	20020416.2	Cabot's tragopan	liver	HiSeq

myc38	20070821	Cabot's tragopan	oral mass	HiSeq
myc39	20110610	Mandarin duck	lung	HiSeq
myc40	20051125	White-faced whistling duck	mass	HiSeq
myc41c	20030414	Red-crested pochard	liver	HiSeq.c
myc42c	20130417	Mandarin duck	spleen	HiSeq.c
myc45	20130902	Red-breasted goose	spleen	HiSeq
myc46	20090418	Mandarin duck	liver	HiSeq
myc47	20140826	Blue-winged siva	eye mass	HiSeq
myc48	20020416.3	Cabot's tragopan	liver	HiSeq
myc49	20140711	Mandarin duck	lung	HiSeq
myc50	20141006	Eastern white-bellied bustard	heart nodule	HiSeq
myc51	20140207	Blue-crowned motmot	liver	HiSeq
myc52	20140527	Mandarin duck	granuloma	HiSeq
myc53	19951026	Northern red-billed pigeon	lung	NextSeq

myc56a1	19940128	Hartlaub's duck	liver	NextSeq.a1
myc58	20131017.1	White-faced whistling duck	liver	NextSeq
myc59a	20010421.1	Old World comb duck	coelomic nodules	NextSeq.a
myc60	20010421.2	Old World comb duck	liver	NextSeq
myc62	20031024	Bartlett's bleeding-heart dove	liver	NextSeq
myc63	20030512	Bartlett's bleeding-heart dove	spleen	NextSeq
myc64a1	19920331	Yellow-faced myna	liver	NextSeq.a1
myc65a	20001219	White-bellied imperial pigeon	liver	NextSeq.a
myc68	20140514	Diamond dove	lung	NextSeq
myc70	20040317	Yellow-breasted fruit dove	intestine	NextSeq
myc71	20020211	Southern wattled jacana	spleen	NextSeq
myc72	20060412	Superb fruit dove	liver	NextSeq
myc73	20040312	Northern magnificent fruit dove	lung	NextSeq
myc74	20041120	Luzon grey necked imperial pigeon	liver	NextSeq
myc75	20041214	Malayan long-tailed parakeet	liver	NextSeq
myc77	20070919	Sulawesi superb fruit dove	kidney	NextSeq
myc78	20080201	Golden-headed manakin	liver	NextSeq
myc79	20101006	Wompoo fruit dove	duodenum	NextSeq
myc81	20101027	Western golden-hooded tanager	liver	NextSeq
myc82	20110425	Spangled cotinga	small intestine	NextSeq
myc83	20110506	Jambu fruit dove	liver	NextSeq
myc84	20121120	Fairy bluebird	intestine	NextSeq
myc85	20131017.2	White-faced whistling duck	lung	NextSeq
myc86	20150621	Sociable weaver	liver	NextSeq
myc88	19970512	Siberian goldfinch	liver	NextSeq
myc89	20000323	Continental chaffinch	lung	NextSeq
myc91	20080710	Golden backed woodpecker	liver	NextSeq
myc93	19960823	Gouldian finch	lung	NextSeq
myc94	20011217	Goldie's lorikeet	shoulder mass	NextSeq
myc95	20040529	Luzon gray-necked imperial pigeon	liver	NextSeq

myc97	20050102	Red-faced lovebird	bone	NextSeq
myc98	20120503	Western fairy bluebird	liver	NextSeq
myc99	20080304	Eastern blue-necked tanager	intestine	NextSeq
myc100	20070921	Sulawesi superb fruit dove	liver	NextSeq
myc101	20061227	Superb fruit-dove	liver	NextSeq
myc102	20070406	Papuan mountain pigeon	liver	NextSeq
myc103	20150629	White double-toothed barbet	liver	NextSeq
myc104	19951124	Northern red-billed pigeon	lung	NextSeq
myc105	20040627	Madagascar button quail	liver	NextSeq
myc106	20150528.1	Long-tailed finch	lung	NextSeq
myc107	19960821	Gouldian finch	lung	NextSeq
myc108	19981027	Northern carmine bee-eater	spleen	NextSeq
myc109	20140516	Gouldian finch	liver	NextSeq
myc110	20120628.1	Great go-away bird	liver	NextSeq
myc111	20150407	Fairy bluebird	lung	NextSeq
myc112	19950323	Gouldian finch	lung	NextSeq
myc113	20150528.4	Long-tailed finch	liver	NextSeq
myc114	20150729	Violceuos euphonia	liver	NextSeq
myc115	20040228	Southern wattled jacana	liver	NextSeq
myc117	20070926.1	Blue-naped mousebird	liver	NextSeq
myc119	20120628.2	Great go-away bird	small intestine	NextSeq
myc120	20110206	Western yellow-rumped tinkerbird	liver	NextSeq
myc121	20070926.3	Blue-naped mousebird	liver	NextSeq
myc122	20120707	Wompoo fruit dove	liver	NextSeq
myc125	20150613	Double-barred finch	lung	NextSeq
myc126c	20020818	White-bearded manakin	liver	NextSeq
myc127	20150915	Gouldian finch	liver	NextSeq
myc128	20140918	Double barred finch	liver	NextSeq
myc129	20140324	Superb fruit dove	lung	NextSeq
myc130	20100228	Golden-headed manakin	liver	NextSeq
myc131	20151220	Swallow tanager	liver	NextSeq
myc132	20040707	Indochinese bar-throated minla	lung	NextSeq

Key to suffices on sample IDs

a = alternate prep protocol

a1 = first of two sequencing runs with alternate prep protocol

c = combination of multiple sequencing runs

Key to color code other than heading

gray = host bird contains bacteria with multiple genotypes

Raw read length (bp)	Filtered read length (bp)	Assembler	Assembler k	Contigs length (bp)	N50	Assembled length (bp)	Raw read coverage
4,111,218,200	2,139,920,900	Velvet	63	112	137,669	4,880,118	842
3,356,250,600	1,648,602,300	Velvet	63	143	88,762	4,870,750	689
3,541,704,000	1,802,338,200	Velvet	63	122	91,115	4,862,891	728
4,608,097,000	2,274,748,900	Velvet	63	177	66,633	4,868,916	946
3,787,190,600	1,911,881,700	Velvet	63	153	73,469	4,846,584	781
2,808,765,200	1,229,994,400	Velvet	63	506	33,667	6,805,534	413
4,405,999,400	2,426,629,100	Velvet	63	725	17,755	5,187,238	849
4,469,868,000	2,318,470,800	Velvet	63	212	64,578	5,102,310	876
4,729,787,400	2,333,692,400	Velvet	63	195	51,650	4,851,943	975
4,118,576,000	2,173,507,500	Velvet	63	96	224,000	6,656,598	619
3,252,054,400	1,363,599,800	Velvet	63	229	40,907	4,635,986	701
3,984,116,600	1,636,890,700	Velvet	63	190	52,890	4,853,248	821
4,584,730,000	2,003,589,800	Velvet	63	164	68,662	4,837,740	948
2,698,356,600	1,043,690,500	Velvet	63	177	58,558	4,863,480	555
3,542,148,000	1,573,974,500	Velvet	63	173	57,630	4,859,025	729
3,447,858,200	1,483,930,800	Velvet	63	214	44,211	4,841,370	712
3,727,923,200	1,458,995,200	Velvet	63	209	50,061	4,828,492	772
4,572,771,400	2,027,839,400	Velvet	63	224	51,388	4,852,375	942
3,393,672,600	1,457,084,100	Velvet	63	201	98,725	6,422,732	528
5,074,425,000	2,118,340,900	Velvet	63	1,880	9,799	5,662,053	896
3,845,503,600	1,697,773,800	Velvet	63	133	220,816	7,365,065	522
4,008,539,200	1,763,046,000	Velvet	63	189	54,166	4,847,135	827
1,647,549,800	1,333,824,600	Velvet	63	154	125,738	6,194,542	266
1,945,755,600	1,519,121,100	Velvet	63	184	66,227	4,850,331	401
1,066,420,200	816,034,300	Velvet	63	153	73,022	4,848,250	220
1,020,959,400	826,378,000	Velvet	63	465	23,597	5,314,984	192
707,325,400	631,044,500	SPAdes	21-77	248	177,301	11,561,794	61
965,457,000	774,890,300	Velvet	63	332	33,307	5,043,667	191
1,086,466,800	769,852,000	Velvet	63	239	41,699	4,854,647	224
2,328,900,000	1,857,772,500	Velvet	63	173	58,551	4,858,417	479
979,969,800	692,398,900	Velvet	63	187	51,316	4,858,384	202
1,536,622,000	1,218,858,400	Velvet	63	150	81,823	4,853,523	317
1,575,733,600	1,267,670,300	Velvet	63	286	53,244	5,470,062	288
1,276,463,600	1,007,393,700	Velvet	63	187	100,923	5,667,875	225
2,150,591,600	1,717,538,100	Velvet	63	229	71,299	5,124,994	420
1,313,421,200	973,939,100	Velvet	63	230	73,364	5,233,351	251

313,055,000	164,626,718	Velvet	63	480	22,842	5,064,226	62
713,092,000	572,445,000	Velvet	63	398	24,111	4,816,868	148
955,306,600	761,561,500	Velvet	63	360	26,411	4,801,141	199
314,859,600	251,443,662	Velvet	63	257	40,013	4,847,742	65
864,245,800	665,346,600	Velvet	63	293	34,689	4,839,071	179
1,022,427,800	764,130,800	Velvet	63	292	31,698	4,808,110	213
1,139,449,000	894,457,600	Velvet	63	170	58,551	4,849,734	235
803,700,000	655,402,800	Velvet	63	153	55,132	4,907,939	164
656,314,800	527,299,200	Velvet	63	558	19,109	5,173,597	127
747,120,800	602,628,100	Velvet	63	454	20,501	4,783,559	156
840,079,800	677,795,300	Velvet	63	465	19,504	4,809,532	175
1,812,149,200	1,512,205,800	Velvet	63	444	25,238	5,147,578	352
1,613,600,200	1,345,900,100	Velvet	63	423	20,429	4,729,055	341
12,104,724,940	11,498,144,461	SPAdes	21-121	2,286	181,482	18,404,233	658

2,126,557,800	1,850,526,113	SPAdes	21-121	785	16,122	4,878,208	436
2,133,329,739	2,058,971,742	Velvet	81	107	105,894	4,862,263	439
5,372,670,900	4,740,114,336	Velvet	99	89	121,653	4,866,198	1,104
1,760,744,704	1,695,547,972	Velvet	81	87	140,079	4,774,856	369
1,882,227,227	1,815,419,224	Velvet	81	81	126,268	4,800,919	392
1,988,348,821	1,919,565,554	Velvet	81	90	126,297	4,881,964	407
1,738,854,900	1,460,987,606	SPAdes	21-121	1,992	6,784	4,915,845	354
5,977,634,400	5,195,720,843	Velvet	99	472	16,971	4,770,955	1,253
2,657,943,300	659,023,259	Velvet	81	164	53,624	4,895,517	543
1,539,494,654	1,470,256,877	Velvet	81	59	214,507	4,904,099	314
1,457,344,313	1,397,846,698	Velvet	81	51	214,657	4,914,637	297
1,191,634,008	1,134,835,516	Velvet	81	46	203,817	4,915,201	242
1,336,194,490	1,279,229,491	Velvet	81	41	215,314	4,914,729	272
1,410,726,931	1,349,276,242	Velvet	81	48	214,662	4,914,031	287
1,419,689,637	1,363,402,942	Velvet	81	49	214,499	4,912,812	289
1,239,411,948	1,181,885,092	Velvet	81	53	181,562	4,897,090	253
1,443,863,848	1,392,006,497	Velvet	81	74	157,238	4,757,086	304
1,538,177,368	1,474,424,013	Velvet	81	48	195,192	4,916,097	313
1,895,366,965	1,837,074,326	Velvet	81	58	213,072	4,845,872	391
1,857,238,902	1,801,540,487	Velvet	81	43	326,475	4,911,281	378
2,092,553,570	2,024,967,551	Velvet	81	40	273,683	4,915,969	426
1,917,078,508	1,847,985,493	Velvet	81	111	130,498	5,039,321	380
1,982,223,556	1,909,666,544	Velvet	81	217	42,089	4,846,815	409
1,821,793,378	1,747,478,505	Velvet	81	184	103,462	5,546,369	328
1,625,246,350	1,571,310,768	Velvet	81	46	234,216	4,906,690	331
1,818,058,911	1,757,029,983	Velvet	81	46	273,659	4,916,640	370
1,945,246,499	1,879,600,692	Velvet	81	37	295,036	4,912,503	396
2,204,920,633	2,126,458,856	Velvet	81	41	271,143	4,892,012	451
1,836,769,686	1,767,655,773	Velvet	81	113	163,648	5,109,925	359
2,027,284,262	1,962,758,511	Velvet	81	39	238,017	4,912,933	413

1,522,047,016	1,471,292,075	Velvet	81	50	243,907	4,985,340	305
1,795,101,259	1,736,883,627	Velvet	81	43	238,017	4,908,002	366
2,029,176,541	1,957,248,676	Velvet	81	45	238,017	4,912,462	413
1,856,791,107	1,794,872,522	Velvet	81	38	326,453	4,915,311	378
1,923,643,488	1,859,147,051	Velvet	81	43	238,017	4,913,697	391
2,016,474,883	1,952,514,974	Velvet	81	40	398,699	4,912,776	410
1,676,806,427	1,618,583,390	Velvet	81	34	442,139	4,915,883	341
2,126,515,941	2,051,198,318	Velvet	81	85	170,876	4,891,904	435
1,738,825,167	1,672,860,126	Velvet	81	40	296,455	4,915,184	354
1,722,670,926	1,665,485,380	Velvet	81	45	273,549	4,896,106	352
1,448,639,773	1,400,765,478	Velvet	81	84	107,856	4,909,429	295
1,357,229,075	1,300,060,130	Velvet	81	59	214,570	4,912,806	276
1,780,545,651	1,724,576,442	Velvet	81	72	140,477	4,907,210	363
1,584,064,337	1,533,196,846	Velvet	81	130	79,257	4,902,619	323
1,037,169,300	979,927,895	Velvet	81	392	20,052	4,804,102	216
1,091,114,254	1,033,762,573	Velvet	81	263	35,423	4,851,110	225
1,221,179,523	1,161,322,823	Velvet	81	246	37,537	4,872,118	251
1,657,152,828	1,601,498,634	Velvet	81	110	89,517	4,902,372	338
1,226,256,782	1,159,243,529	Velvet	81	68	157,207	4,912,528	250
5,189,925,000	578,785,090	Velvet	81	164	53,656	4,910,350	1,057
6,421,484,700	830,339,752	Velvet	81	140	61,857	4,863,975	1,320
1,246,563,230	1,196,137,810	Velvet	81	149	92,051	4,405,015	283
1,668,233,066	1,609,988,341	Velvet	81	85	137,577	5,246,892	318
1,796,897,692	1,741,339,798	Velvet	81	45	234,115	4,913,756	366
7,364,613,300	2,058,699,758	Velvet	81	84	132,462	4,897,533	1,504
3,742,138,643	3,262,877,063	SPAdes	21-121	2,340	3,988	4,783,763	782
4,346,741,700	4,047,429,112	Velvet	81	126	76,761	4,898,609	887
4,696,970,700	4,355,580,744	Velvet	81	111	108,166	4,903,617	958
4,687,031,700	4,316,461,879	Velvet	81	151	74,633	4,867,496	963
4,055,272,200	3,780,176,871	Velvet	81	113	98,380	4,915,223	825
5,399,896,500	5,015,243,297	Velvet	81	71	144,085	4,888,787	1,105
5,923,714,800	5,529,551,497	Velvet	81	86	115,655	4,885,874	1,212

Filtered read Best matching species and strain in coverage NCBI RefSeq database	Average nucleotide identity (%)	Matching length (bp)
438 <i>Mycobacterium avium avium</i> ATCC 25291	99.92	4,872,255
338 <i>Mycobacterium avium avium</i> ATCC 25291	99.92	4,861,951
371 <i>Mycobacterium avium avium</i> ATCC 25291	99.92	4,892,194
467 <i>Mycobacterium avium avium</i> ATCC 25291	99.92	4,863,141
394 <i>Mycobacterium avium avium</i> ATCC 25291	99.91	4,842,142
181 <i>Mycobacterium fortuitum fortuitum</i> DSM 46621	99.10	5,804,674
468 <i>Mycobacterium avium</i> MAV_061107_1842	99.78	5,219,965
454 <i>Mycobacterium avium</i> MAV_061107_1842	99.59	5,150,562
481 <i>Mycobacterium avium avium</i> ATCC 25291	99.91	4,866,492
327 <i>Mycobacterium</i> URHD0025	98.61	6,185,495
294 <i>Mycobacterium avium avium</i> ATCC 25291	99.95	4,631,201
337 <i>Mycobacterium avium avium</i> ATCC 25291	99.92	4,849,490
414 <i>Mycobacterium avium avium</i> ATCC 25291	99.91	4,832,921
215 <i>Mycobacterium avium avium</i> ATCC 25291	99.91	4,855,037
324 <i>Mycobacterium avium avium</i> ATCC 25291	99.92	4,852,809
307 <i>Mycobacterium avium avium</i> ATCC 25291	99.92	4,838,663
302 <i>Mycobacterium avium avium</i> ATCC 25291	99.92	4,825,842
418 <i>Mycobacterium avium avium</i> ATCC 25291	99.91	4,844,914
227 <i>Mycobacterium fortuitum fortuitum</i> DSM 46621	98.87	5,824,603
374 <i>Mycobacterium avium</i> MAV_061107_1842 + <i>Mycobacterium avium</i> 104	99.57	5,292,426
231 <i>Mycobacterium vulneris</i>	98.09	6,142,891
364 <i>Mycobacterium avium avium</i> ATCC 25291	99.92	4,842,143
215 <i>Mycobacterium intracellulare</i> ATCC 13950	99.15	5,132,548
313 <i>Mycobacterium avium avium</i> ATCC 25291	99.92	4,845,289
168 <i>Mycobacterium avium avium</i> ATCC 25291	99.91	4,845,302
155 <i>Mycobacterium avium</i> MAV_061107_1842	99.59	5,140,011
55 <i>Mycobacterium hassiacum</i> DSM 44199 + <i>Mycobacterium peregrinum</i> 852002-10433_SCH5171	99.75	4,819,727
154 <i>Mycobacterium avium</i> MAV_061107_1842	99.61	5,096,507
159 <i>Mycobacterium avium avium</i> ATCC 25291	99.92	4,858,975
382 <i>Mycobacterium avium avium</i> ATCC 25291	99.92	4,854,060
143 <i>Mycobacterium avium avium</i> ATCC 25291	99.91	4,854,322
251 <i>Mycobacterium avium avium</i> ATCC 25291	99.92	4,848,473
232 <i>Mycobacterium avium avium</i> DT 78	99.41	4,838,965
178 <i>Mycobacterium intracellulare</i> MIN_061107_1834	99.71	5,683,940
335 <i>Mycobacterium avium hominissuis</i> 101	99.40	4,884,726
186 <i>Mycobacterium avium</i> MAV_061107_1842	99.56	5,225,525

33	<i>Mycobacterium avium MAV_061107_1842</i>	99.61	5,104,993
119	<i>Mycobacterium avium avium ATCC 25291</i>	99.92	4,815,143
159	<i>Mycobacterium avium avium ATCC 25291</i>	99.92	4,796,683
52	<i>Mycobacterium avium avium ATCC 25291</i>	99.90	4,846,613
137	<i>Mycobacterium avium avium ATCC 25291</i>	99.92	4,831,549
159	<i>Mycobacterium avium avium ATCC 25291</i>	99.92	4,807,857
184	<i>Mycobacterium avium avium ATCC 25291</i>	99.92	4,843,727
134	<i>Mycobacterium genavense ATCC 51234</i>	99.99	4,935,430
102	<i>Mycobacterium avium MAV_061107_1842</i>	99.56	5,144,094
126	<i>Mycobacterium avium avium ATCC 25291</i>	99.91	4,784,724
141	<i>Mycobacterium avium avium ATCC 25291</i>	99.92	4,813,677
294	<i>Mycobacterium avium 104</i>	99.58	5,164,109
285	<i>Mycobacterium avium avium ATCC 25291</i>	99.91	4,738,742
625	<i>Paenibacillus MAEPY1 +</i>	97.30	6,236,989
	<i>Mycobacterium avium avium ATCC 25291 +</i>	99.95	4,919,324
	<i>Brevibacillus choshinensis DSM 8552</i>	96.42	2,389,770
379	<i>Mycobacterium avium avium ATCC 25291</i>	99.85	4,951,953
423	<i>Mycobacterium avium avium ATCC 25291</i>	99.92	4,864,882
974	<i>Mycobacterium avium avium ATCC 25291</i>	99.90	4,883,995
355	<i>Mycobacterium avium avium ATCC 25291</i>	99.90	4,787,612
378	<i>Mycobacterium avium avium ATCC 25291</i>	99.90	4,813,152
393	<i>Mycobacterium avium avium ATCC 25291</i>	99.90	4,894,211
297	<i>Mycobacterium genavense ATCC 51234</i>	99.93	4,737,583
1,089	<i>Mycobacterium genavense ATCC 51234</i>	99.99	4,802,441
135	<i>Mycobacterium genavense ATCC 51234</i>	99.97	4,929,155
300	<i>Mycobacterium genavense ATCC 51234</i>	100.00	4,937,640
284	<i>Mycobacterium genavense ATCC 51234</i>	99.99	4,948,588
231	<i>Mycobacterium genavense ATCC 51234</i>	99.99	4,950,544
260	<i>Mycobacterium genavense ATCC 51234</i>	99.99	4,947,498
275	<i>Mycobacterium genavense ATCC 51234</i>	99.99	4,947,931
278	<i>Mycobacterium genavense ATCC 51234</i>	100.00	4,946,863
241	<i>Mycobacterium genavense ATCC 51234</i>	99.99	4,931,320
293	<i>Mycobacterium genavense ATCC 51234</i>	99.99	4,790,412
300	<i>Mycobacterium genavense ATCC 51234</i>	99.99	4,952,589
379	<i>Mycobacterium genavense ATCC 51234</i>	99.99	4,879,809
367	<i>Mycobacterium genavense ATCC 51234</i>	99.99	4,945,484
412	<i>Mycobacterium genavense ATCC 51234</i>	99.99	4,952,593
367	<i>Mycobacterium avium XTB13-223</i>	99.72	5,169,767
394	<i>Mycobacterium avium avium ATCC 25291</i>	99.90	4,866,440
315	<i>Mycobacterium avium 104</i>	99.73	5,668,700
320	<i>Mycobacterium genavense ATCC 51234</i>	99.99	4,942,445
357	<i>Mycobacterium genavense ATCC 51234</i>	100.00	4,952,724
383	<i>Mycobacterium genavense ATCC 51234</i>	99.99	4,947,375
435	<i>Mycobacterium genavense ATCC 51234</i>	99.99	4,928,338
346	<i>Mycobacterium avium MAV_061107_1842</i>	99.54	5,258,519
400	<i>Mycobacterium genavense ATCC 51234</i>	99.99	4,948,276

295	<i>Mycobacterium genavense</i> ATCC 51234	98.70	4,586,612
354	<i>Mycobacterium genavense</i> ATCC 51234	100.00	4,942,107
398	<i>Mycobacterium genavense</i> ATCC 51234	99.99	4,947,492
365	<i>Mycobacterium genavense</i> ATCC 51234	99.99	4,950,134
378	<i>Mycobacterium genavense</i> ATCC 51234	99.99	4,948,113
397	<i>Mycobacterium genavense</i> ATCC 51234	99.99	4,948,395
329	<i>Mycobacterium genavense</i> ATCC 51234	99.99	4,950,285
419	<i>Mycobacterium avium avium</i> ATCC 25291	99.95	4,900,599
340	<i>Mycobacterium genavense</i> ATCC 51234	99.99	4,950,573
340	<i>Mycobacterium genavense</i> ATCC 51234	99.99	4,929,871
285	<i>Mycobacterium genavense</i> ATCC 51234	99.99	4,944,578
265	<i>Mycobacterium genavense</i> ATCC 51234	99.99	4,946,937
351	<i>Mycobacterium genavense</i> ATCC 51234	99.99	4,940,143
313	<i>Mycobacterium genavense</i> ATCC 51234	99.99	4,937,428
204	<i>Mycobacterium genavense</i> ATCC 51234	99.99	4,835,166
213	<i>Mycobacterium genavense</i> ATCC 51234	99.99	4,884,837
238	<i>Mycobacterium genavense</i> ATCC 51234	99.99	4,909,344
327	<i>Mycobacterium genavense</i> ATCC 51234	99.98	4,939,048
236	<i>Mycobacterium genavense</i> ATCC 51234	99.99	4,946,293
118	<i>Mycobacterium genavense</i> ATCC 51234	99.98	4,942,193
171	<i>Mycobacterium genavense</i> ATCC 51234	99.98	4,896,425
272	<i>Mycobacterium arupense</i> GUC1	98.85	3,987,127
307	<i>Mycobacterium intracellulare</i> MOTT-64	99.03	4,890,351
354	<i>Mycobacterium genavense</i> ATCC 51234	99.99	4,950,329
420	<i>Mycobacterium genavense</i> ATCC 51234	99.98	4,941,932
682	<i>Mycobacterium genavense</i> ATCC 51234	99.98	4,626,008
826	<i>Mycobacterium genavense</i> ATCC 51234	99.99	4,994,443
888	<i>Mycobacterium genavense</i> ATCC 51234	99.98	4,938,882
887	<i>Mycobacterium genavense</i> ATCC 51234	99.99	4,901,673
769	<i>Mycobacterium genavense</i> ATCC 51234	99.99	4,950,568
1,026	<i>Mycobacterium genavense</i> ATCC 51234	99.98	4,922,852
1,132	<i>Mycobacterium genavense</i> ATCC 51234	99.98	4,918,302

**Length of Matching/
best NCBI NCBI
strain (bp) length (%) Sample ID**

4,857,995	100.3	myc01
4,857,995	100.1	myc02
4,857,995	100.7	myc04
4,857,995	100.1	myc05
4,857,995	99.7	myc06
6,300,050	92.1	myc07
5,320,946	98.1	myc08
5,320,946	96.8	myc09
4,857,995	100.2	myc10
6,656,982	92.9	myc11
4,857,995	95.3	myc12
4,857,995	99.8	myc13
4,857,995	99.5	myc14
4,857,995	99.9	myc15
4,857,995	99.9	myc16
4,857,995	99.6	myc17
4,857,995	99.3	myc18
4,857,995	99.7	myc19
6,300,050	92.5	myc20
5,320,946	99.5	myc21
5,475,491	94.1	
6,981,439	88.0	myc22
4,857,995	99.7	myc23
5,328,562	96.3	myc24
4,857,995	99.7	myc25
4,857,995	99.7	myc26
5,320,946	96.6	myc27
5,079,967	94.9	myc28
6,751,207	89.0	
5,320,946	95.8	myc29
4,857,995	100.0	myc30
4,857,995	99.9	myc31
4,857,995	99.9	myc32
4,857,995	99.8	myc33
4,959,832	97.6	myc34
5,728,455	99.2	myc35
5,465,242	89.4	myc36
5,320,946	98.2	myc37

5,320,946	95.9 myc38
4,857,995	99.1 myc39
4,857,995	98.7 myc40
4,857,995	99.8 myc41c
4,857,995	99.5 myc42c
4,857,995	99.0 myc45
4,857,995	99.7 myc46
4,936,071	100.0 myc47
5,320,946	96.7 myc48
4,857,995	98.5 myc49
4,857,995	99.1 myc50
5,475,491	94.3 myc51
4,857,995	97.5 myc52
7,478,507	83.4 myc53
4,857,995	101.3
6,279,095	38.1
4,857,995	101.9 myc56a1
4,857,995	100.1 myc58
4,857,995	100.5 myc59a
4,857,995	98.6 myc60
4,857,995	99.1 myc62
4,857,995	100.7 myc63
4,936,071	96.0 myc64a1
4,936,071	97.3 myc65a
4,936,071	99.9 myc68
4,936,071	100.0 myc70
4,936,071	100.3 myc71
4,936,071	100.3 myc72
4,936,071	100.2 myc73
4,936,071	100.2 myc74
4,936,071	100.2 myc75
4,936,071	99.9 myc77
4,936,071	97.0 myc78
4,936,071	100.3 myc79
4,936,071	98.9 myc81
4,936,071	100.2 myc82
4,936,071	100.3 myc83
5,083,913	101.7 myc84
4,857,995	100.2 myc85
5,475,491	103.5 myc86
4,936,071	100.1 myc88
4,936,071	100.3 myc89
4,936,071	100.2 myc91
4,936,071	99.8 myc93
5,320,946	98.8 myc94
4,936,071	100.2 myc95

4,936,071	92.9 myc97
4,936,071	100.1 myc98
4,936,071	100.2 myc99
4,936,071	100.3 myc100
4,936,071	100.2 myc101
4,936,071	100.2 myc102
4,936,071	100.3 myc103
4,857,995	100.9 myc104
4,936,071	100.3 myc105
4,936,071	99.9 myc106
4,936,071	100.2 myc107
4,936,071	100.2 myc108
4,936,071	100.1 myc109
4,936,071	100.0 myc110
4,936,071	98.0 myc111
4,936,071	99.0 myc112
4,936,071	99.5 myc113
4,936,071	100.1 myc114
4,936,071	100.2 myc115
4,936,071	100.1 myc117
4,936,071	99.2 myc119
4,441,410	89.8 myc120
5,501,090	88.9 myc121
4,936,071	100.3 myc122
4,936,071	100.1 myc125
4,936,071	93.7 myc126c
4,936,071	101.2 myc127
4,936,071	100.1 myc128
4,936,071	99.3 myc129
4,936,071	100.3 myc130
4,936,071	99.7 myc131
4,936,071	99.6 myc132

Comments

Similar match to *M. VKM Ac-1817D*

Not close to any named species

Similar match to *M. VKM Ac-1817D*

Two genotypes separated by thousands of SNPs

Low coverage, so used reads as short as 75 bp

Similar match to *M. avium 104*

Many SNPs different from myc27 and myc48

Low coverage, so used reads as short as 75 bp

Combination of two repeat runs; low coverage, so used reads as short as 75 bp

Combination of three repeat runs

Many SNPs different from myc27 and myc37

Similar match to *M. avium hominissuis* 101

Almost as good match to *B. brevis* NBRC 100599

Two SNPs different from myc59a

Two genomes separated by >12 SNPs at sites with mixed alleles

Three genotypes separated by >12 SNPs at sites with mixed alleles

Similar to MAV 104

Five SNPs different from myc58

Two genotypes separated by >12 SNPs at sites with mixed alleles

Outlier

Two genotypes separated by >12 SNPs at sites with mixed alleles
Three genotypes separated by >12 SNPs at sites with mixed alleles
Three genotypes separated by >12 SNPs at sites with mixed alleles

Two genotypes separated by >12 SNPs at sites with mixed alleles; one genotype the same as one of myc

Two genotypes separated by >12 SNPs at sites with mixed alleles
Two genotypes separated by >12 SNPs at sites with mixed alleles
Two genotypes separated by >12 SNPs at sites with mixed alleles; one genotype 10 SNPs from myc110

Two genotypes separated by >12 SNPs at sites with mixed alleles
Combination of two repeat runs
Two genotypes separated by >12 SNPs at sites with mixed alleles

Information on repeat genotypes

Samples with the same genotype from a single bird (also called duplicates)

Sample or subsample with repeat genotype **Same genotype as**

M. avium

myc54a1	myc53
myc55a1	myc63
myc61	myc62

M. genavense

myc66a	myc102
myc76	myc72
myc80	myc79
myc90	myc83
myc92	myc73
myc96	myc95
myc113.1	myc106.1
myc116	myc74
myc118	myc82

Samples with the same genotype from different birds

Sample or subsample with repeat genotype **Same genotype as**

M. avium

myc39	myc33
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M. genavense

myc65a	myc64a1
myc73	myc72
myc77	myc72
myc101	myc95
myc105.1	myc71.1
myc106.3	myc68.1
myc107.1	myc68.1
myc115.1	myc71.1
myc122	myc102
myc125.1	myc106.2

Genetic distance matrices for sam

Sample ID	Dated bird ID	Cluster ID
2 samples, 2 birds		
myc01	20011208	5-01
myc02	20020925	5-01
4 samples, 4 birds		
myc05	20020623	5-05
myc16	20070925	5-05
myc23	20050820	5-05
myc30	20071127	5-05
4 samples, 4 birds		
myc25	20120426	5-25
myc33	20120115	5-25
myc39	20110610	5-25
myc42c	20130417	5-25
3 samples, 2 birds		
myc53	19951026	5-53
myc104	19951124	5-53
2 samples, 1 bird		
myc58	20131017.1	5-58
myc85	20131017.1	5-58
2 samples, 1 bird		
myc59a	20010421.1	5-59a
myc60	20010421.1	5-59a
3 samples, 2 birds		
myc61	20031024	5-61
myc62	20031024	5-61
myc63	20030512	5-61

ples in *M. avium* clusters separated by 5 or few

Distance matrix from Cortex_var

myc01+02+MAV.104

0	2
2	0

myc05+16+23+30+MAV.104

0	4	3	5
4	0	0	3
3	0	0	2
5	3	2	0

myc25+33+39+42c+MAV.104

0	1	1	6
1	0	0	5
1	0	0	4
6	5	4	0

myc53+104+MAV.104

0	0
0	0

myc58+85+MAV.104

0	5
5	0

myc10+13+59a+60+MAV.104

0	2
2	0

myc61+62+63+MAV.104

0	1	2
1	0	2
2	2	0

rer SNPs

**SNPs found
by both SNPs found
Cortex_var only by
and GATK Cortex_var**

Distance matrix from GATK

myc01+02

0 2
2 0

2

myc05+16+23+30

0 4 3 3
4 0 0 1
3 0 0 0
3 1 0 0

4

2

myc25+33+30+42c

0 1 1 6
1 0 0 5
1 0 0 4
6 5 4 0

6

myc53+104

0 1
1 0

myc58+85

0 5
5 0

5

myc10+13+59a+60

0 2
2 0

2

myc61+62+63

0 0 2
0 0 2
2 2 0

2

1

SNPs found
only by
GATK Comment

1

Same bird as myc58

One myc60 outlier removed

Same bird as myc59a

Same bird as myc61

^ duplicate per GATK

Genetic distance matrices for sam

Sample ID	Dated bird ID	Cluster ID
2 samples, 2 birds		
myc64a1	19920331	5-64a1
myc65a	20001219	5-64a1

19 samples, 19 birds		
myc68.1	20140514	12-68.1
myc71.1	20020211	12-68.1
myc72	20060412	12-68.1
myc73	20040312	12-68.1
myc74	20041120	12-68.1
myc77	20070919	12-68.1
myc79	20101006	12-68.1
myc88	19970512	12-68.1
myc91.2	20080710	12-68.1
myc95	20040529	12-68.1
myc101	20061227	12-68.1
myc105.1	20040627	12-68.1
myc106.3	20150528.1	12-68.1
myc107.1	19960821	12-68.1
myc111	20150407	12-68.1
myc112	19950323	12-68.1
myc115.1	20040228	12-68.1
myc117.1	20070926.1	12-68.1
myc125.2	20150613	12-68.1

7 samples, 7 birds		
myc68.2	20140514	5-68.2
myc70	20040317	5-68.2
myc98	20120503	5-68.2
myc106.2	20150528.1	5-68.2
myc117.2	20070926.1	5-68.2
myc125.1	20150613	5-68.2
myc131	20151220	5-68.2

2 samples, 2 birds		
myc78	20080201	5-78
myc81	20101027	5-78

3 samples, 3 birds		
myc91.1	20080710	5-91.1
myc105.2	20040627	5-91.1

myc127.2 20150915 5-91.1

3 samples, 3 birds

myc93 19960823 5-93

myc129 20140324 5-93

myc132 20040707 5-93

2 samples, 2 birds

myc102 20070406 5-102

myc122 20120707 5-102

2 samples, 2 birds

myc103 20150629 5-103

myc110 20120628.1 5-103

2 samples, 2 birds

myc107.4 19960821 5-107.4

myc113.2 20150528.1 5-107.4

2 samples, 2 birds

myc109 20140516 5-109

myc127.1 20150915 5-109

ples in *M. genavense* clusters separated by 5 or fewer SNPs

Distance matrix from GATK

58samples-myc97-128-8dups.12mixed.-1+1+1more.1more23-24.6pct.maxcov2000.adjust106
0 0
0 0

58samples-myc97-128-8dups.12mixed.-1+1+1more.1more23-24.6pct.maxcov2000.adjust106
0 2 1 1 2 1 5 4 7 3 3 2 0 0 8 3 2 3 2
2 0 3 3 4 3 3 2 5 5 5 0 2 2 6 5 0 1 4
1 3 0 0 1 0 6 5 8 4 4 3 1 1 9 4 3 4 3
1 3 0 0 1 0 6 5 8 4 4 3 1 1 9 4 3 4 3
2 4 1 1 0 1 7 6 9 5 5 4 2 2 10 5 4 5 4
1 3 0 0 1 0 6 5 8 4 4 3 1 1 9 4 3 4 3
5 3 6 6 7 6 0 5 8 8 8 3 5 5 9 8 3 2 7
4 2 5 5 6 5 5 0 7 7 7 2 4 4 8 7 2 3 6
7 5 8 8 9 8 8 7 0 10 10 5 7 7 1 10 5 6 9
3 5 4 4 5 4 8 7 10 0 0 5 3 3 11 6 5 6 5
3 5 4 4 5 4 8 7 10 0 0 5 3 3 11 6 5 6 5
2 0 3 3 4 3 3 2 5 5 5 0 2 2 6 5 0 1 4
0 2 1 1 2 1 5 4 7 3 3 2 0 0 8 3 2 3 2
0 2 1 1 2 1 5 4 7 3 3 2 0 0 8 3 2 3 2
8 6 9 9 10 9 9 8 1 11 11 6 8 8 0 11 6 7 10
3 5 4 4 5 4 8 7 10 6 6 5 3 3 11 0 5 6 3
2 0 3 3 4 3 3 2 5 5 5 0 2 2 6 5 0 1 4
3 1 4 4 5 4 2 3 6 6 6 1 3 3 7 6 1 0 5
2 4 3 3 4 3 7 6 9 5 5 4 2 2 10 3 4 5 0

58samples-myc97-128-8dups.12mixed.-1+1+1more.1more23-24.6pct.maxcov2000.adjust106
0 10 6 1 2 1 5
10 0 14 9 10 9 5
6 14 0 5 6 5 9
1 9 5 0 1 0 4
2 10 6 1 0 1 5
1 9 5 0 1 0 4
5 5 9 4 5 4 0

58samples-myc97-128-8dups.12mixed.-1+1+1more.1more23-24.6pct.maxcov2000.adjust106
0 1
1 0

58samples-myc97-128-8dups.12mixed.-1+1+1more.1more23-24.6pct.maxcov2000.adjust106
0 4 5
4 0 1

5 1 0

58samples-myc97-128-8dups.12mixed.-1+1+1more.1more23-24.6pct.maxcov2000.adjust106

0 3 1
3 0 4
1 4 0

58samples-myc97-128-8dups.12mixed.-1+1+1more.1more23-24.6pct.maxcov2000.adjust106

0 0
0 0

58samples-myc97-128-8dups.12mixed.-1+1+1more.1more23-24.6pct.maxcov2000.adjust106

0 4
4 0

58samples-myc97-128-8dups.12mixed.-1+1+1more.1more23-24.6pct.maxcov2000.adjust106

0 3
3 0

58samples-myc97-128-8dups.12mixed.-1+1+1more.1more23-24.6pct.maxcov2000.adjust106

0 1
1 0

Comment

Genetic distance matrices for sam

Sample ID	Dated bird ID	Cluster ID
7 samples, 7 birds		
myc01	20011208	12-01
myc02	20020925	12-01
myc05	20020623	12-01
myc16	20070925	12-01
myc23	20050820	12-01
myc30	20071127	12-01
myc50	20141006	12-01

2 samples, 2 birds		
myc04	20090222	12-04
myc15	20120604	12-04

11 samples, 11 birds		
myc06	20120428	12-06
myc18	20061217	12-06
myc25	20120426	12-06
myc26	20121112	12-06
myc33	20120115	12-06
myc39	20110610	12-06
myc42c	20130417	12-06
myc46	20090418	12-06
myc49	20140711	12-06
myc52	20140527	12-06
myc56a1	19940128	12-06

4 samples, 3 birds		
myc10	20030608	12-10
myc13	20040406	12-10
myc59a	20010421.1	12-10
myc60	20010421.1	12-10

2 samples, 2 birds		
myc37	20020416.1	12-37
myc94	20011217	12-37

2 samples, 2 birds		
myc40	20051125	12-40
myc41c	20030414	12-40

2 samples, 2 birds

myc53	19951026	12-53
myc104	19951124	12-53

2 samples, 1 bird

myc58	20131017.1	12-58
myc85	20131017.1	12-58

3 samples, 2 birds

myc61	20031024	12-61
myc62	20031024	12-61
myc63	20030512	12-61

ples in *M. avium* clusters separated by 12 or fe

Distance matrix from Cortex_var

7samples.inc.myc01+MAV.104

0	0	8	7	6	8	14
0	0	8	7	6	8	14
8	8	0	3	2	4	10
7	7	3	0	0	3	9
6	6	2	0	0	2	8
8	8	4	3	2	0	10
14	14	10	9	8	10	0

myc04+15+MAV.104

0	9
9	0

11samples.inc.myc06+MAV.104

0	19	9	13	8	7	11	7	10	9	12
19	0	20	30	19	18	22	24	27	26	11
9	20	0	20	1	1	6	14	17	16	13
13	30	20	0	19	18	22	12	17	16	23
8	19	1	19	0	0	5	13	16	15	12
7	18	1	18	0	0	4	12	15	14	11
11	22	6	22	5	4	0	16	19	18	15
7	24	14	12	13	12	16	0	11	10	17
10	27	17	17	16	15	19	11	0	7	19
9	26	16	16	15	14	18	10	7	0	19
12	11	13	23	12	11	15	17	19	19	0

v 10pct

myc10+13+59a+60+MAV.104

0	22	18	9
22	0	20	12
18	20	0	2
9	12	2	0

myc37+94+MAV.104

0	10
10	0

myc40+41c+MAV.104

0	11
11	0

myc53+104+MAV.104

0	0
0	0

myc58+85+MAV.104

0	5
5	0

myc61+62+63+MAV.104

0	1	2
1	0	2
2	2	0

Number SNPs

SNPs found
by both Cortex_var
and GATK SNPs found
only by Cortex_var

Distance matrix from GATK

```

7samples.inc.myc01
0  2  9  7  6  6 13
2  0 11  9  8  8 15
9 11  0  4  3  3 10
7  9  4  0  0  1  8
6  8  3  0  0  0  7
6  8  3  1  0  0  7
13 15 10  8  7  7  0

```

16 3

```

myc04+15
0  9
9  0

```

9

```

11samples.inc.myc06
0  20  9 13  8  7 11  6 10  9 14
20  0 21 31 20 19 23 24 28 27 13
9 21  0 20  1  1  6 13 17 16 15
13 31 20  0 19 18 22 11 17 16 25
8 20  1 19  0  0  5 12 16 15 14
7 19  1 18  0  0  4 11 15 14 13
11 23  6 22  5  4  0 15 19 18 17
6 24 13 11 12 11 15  0 10  9 18
10 28 17 17 16 15 19 10  0  7 22
9 27 16 16 15 14 18  9  7  0 21
14 13 15 25 14 13 17 18 22 21  0

```

55 1

```

myc10+13+59a+60
0 22 18  6
22  0 22 13
18 22  0  2
6 13  2  0

```

28 2

```

myc37+94
0 10
10  0

```

10

```

myc40+41c
0 10
10  0

```

8 3

myc53+104

0 1
1 0

myc58+85

5

0 5
5 0

myc61+62+63

2

1

0 0 2
0 0 2
2 2 0

SNPs found
only by
GATK Comment

3

2

Too far apart per GATK

Too far apart per GATK

3

One myc60 outlier removed

Too far apart per GATK

Same bird as myc59a

2

1

Same bird as myc58

Same bird as myc62

^ duplicate per GATK

Genetic distance matrices for sam

Sample ID	Dated bird ID	Cluster ID
------------------	--------------------------	-------------------

12 samples, 11 birds

myc47	20140826	12-47
myc68.2	20140514	12-47
myc70	20040317	12-47
myc75	20041214	12-47
myc98	20120503	12-47
myc106.2	20150528.1	12-47
myc107.4	19960821	12-47
myc113.2	20150528.1	12-47
myc117.2	20070926.1	12-47
myc125.1	20150613	12-47
myc130	20100228	12-47
myc131	20151220	12-47

2 samples, 2 birds

myc64a1	19920331	12-64a1
myc65a	20001219	12-64a1

19 samples, 19 birds

myc68.1	20140514	12-68.1
myc71.1	20020211	12-68.1
myc72	20060412	12-68.1
myc73	20040312	12-68.1
myc74	20041120	12-68.1
myc77	20070919	12-68.1
myc79	20101006	12-68.1
myc88	19970512	12-68.1
myc91.2	20080710	12-68.1
myc95	20040529	12-68.1
myc101	20061227	12-68.1
myc105.1	20040627	12-68.1
myc106.3	20150528.1	12-68.1
myc107.1	19960821	12-68.1
myc111	20150407	12-68.1
myc112	19950323	12-68.1
myc115.1	20040228	12-68.1
myc117.1	20070926.1	12-68.1
myc125.2	20150613	12-68.1

2 samples, 2 birds

myc71.2	20020211	12-71.2
---------	----------	---------

myc106.1 20150528.1 12-71.2

2 samples, 2 birds

myc78 20080201 12-78

myc81 20101027 12-78

8 samples, 8 birds

myc82 20110425 12-82

myc91.1 20080710 12-82

myc93 19960823 12-82

myc105.2 20040627 12-82

myc115.2 20040228 12-82

myc127.2 20150915 12-82

myc129 20140324 12-82

myc132 20040707 12-82

2 samples, 2 birds

myc99 20080304 12-99

myc107.3 19960821 12-99

2 samples, 2 birds

myc102 20070406 12-102

myc122 20120707 12-102

3 samples, 2 birds

myc103 20150629 12-103

myc110 20120628.1 12-103

myc119.1 20120628.1 12-103

2 samples, 2 birds

myc109 20140516 12-109

myc127.1 20150915 12-109

ples in *M. genavense* clusters separated by 12 or fewer SNPs

Distance matrix from GATK

58samples-myc97-128-8dups.12mixed.-1+1+1more.1more23-24.6pct.maxcov2000.adjust106

0	16	24	25	20	15	10	7	16	15	25	19
16	0	10	11	6	1	8	9	2	1	11	5
24	10	0	15	14	9	16	17	10	9	19	5
25	11	15	0	15	10	17	18	11	10	20	10
20	6	14	15	0	5	12	13	6	5	15	9
15	1	9	10	5	0	7	8	1	0	10	4
10	8	16	17	12	7	0	3	8	7	17	11
7	9	17	18	13	8	3	0	9	8	18	12
16	2	10	11	6	1	8	9	0	1	11	5
15	1	9	10	5	0	7	8	1	0	10	4
25	11	19	20	15	10	17	18	11	10	0	14
19	5	5	10	9	4	11	12	5	4	14	0

58samples-myc97-128-8dups.12mixed.-1+1+1more.1more23-24.6pct.maxcov2000.adjust106

0	0
0	0

58samples-myc97-128-8dups.12mixed.-1+1+1more.1more23-24.6pct.maxcov2000.adjust106

0	2	1	1	2	1	5	4	7	3	3	2	0	0	8	3	2	3	2
2	0	3	3	4	3	3	2	5	5	5	0	2	2	6	5	0	1	4
1	3	0	0	1	0	6	5	8	4	4	3	1	1	9	4	3	4	3
1	3	0	0	1	0	6	5	8	4	4	3	1	1	9	4	3	4	3
2	4	1	1	0	1	7	6	9	5	5	4	2	2	10	5	4	5	4
1	3	0	0	1	0	6	5	8	4	4	3	1	1	9	4	3	4	3
5	3	6	6	7	6	0	5	8	8	8	3	5	5	9	8	3	2	7
4	2	5	5	6	5	5	0	7	7	7	2	4	4	8	7	2	3	6
7	5	8	8	9	8	8	7	0	10	10	5	7	7	1	10	5	6	9
3	5	4	4	5	4	8	7	10	0	0	5	3	3	11	6	5	6	5
3	5	4	4	5	4	8	7	10	0	0	5	3	3	11	6	5	6	5
2	0	3	3	4	3	3	2	5	5	5	0	2	2	6	5	0	1	4
0	2	1	1	2	1	5	4	7	3	3	2	0	0	8	3	2	3	2
0	2	1	1	2	1	5	4	7	3	3	2	0	0	8	3	2	3	2
8	6	9	9	10	9	9	8	1	11	11	6	8	8	0	11	6	7	10
3	5	4	4	5	4	8	7	10	6	6	5	3	3	11	0	5	6	3
2	0	3	3	4	3	3	2	5	5	5	0	2	2	6	5	0	1	4
3	1	4	4	5	4	2	3	6	6	6	1	3	3	7	6	1	0	5
2	4	3	3	4	3	7	6	9	5	5	4	2	2	10	3	4	5	0

58samples-myc97-128-8dups.12mixed.-1+1+1more.1more23-24.6pct.maxcov2000.adjust106

0	7
---	---

7 0

58samples-myc97-128-8dups.12mixed.-1+1+1more.1more23-24.6pct.maxcov2000.adjust106

0 1

1 0

58samples-myc97-128-8dups.12mixed.-1+1+1more.1more23-24.6pct.maxcov2000.adjust106

0 9 21 13 19 14 24 22

9 0 12 4 10 5 15 13

21 12 0 8 14 9 3 1

13 4 8 0 6 1 11 9

19 10 14 6 0 7 17 15

14 5 9 1 7 0 12 10

24 15 3 11 17 12 0 4

22 13 1 9 15 10 4 0

58samples-myc97-128-8dups.12mixed.-1+1+1more.1more23-24.6pct.maxcov2000.adjust106

0 9

9 0

58samples-myc97-128-8dups.12mixed.-1+1+1more.1more23-24.6pct.maxcov2000.adjust106

0 0

0 0

58samples-myc97-128-8dups.12mixed.-1+1+1more.1more23-24.6pct.maxcov2000.adjust106

0 4 14

4 0 10

14 10 0

58samples-myc97-128-8dups.12mixed.-1+1+1more.1more23-24.6pct.maxcov2000.adjust106

0 1

1 0

Comment

Same bird as myc106

Same bird as myc110