

Supplementary Table 4. *M. bovis* BCG_008769 ALL SIPHT PREDICTIONS

sRNAName	sRNAstart	end	deep-sequenced in Mtb	dirsRNA	UpORFname	UpORFdir.	DnORFname	DnORFdir.
Candidate_1_NC_008769	Bo1	98023	98096	v	>>>	putative oxidoreductase >>>	putative transmembrane p	>>>
Candidate_2_NC_008769	Bo2	798782	798967	v	>>>	DNA-directed RNA polyn	putative hydrolase	<<<
Candidate_3_NC_008769	Bo3	1047536	1047598	v	>>>	putative transmembrane >>>	putative dioxxygenase	<<<
Candidate_4_NC_008769	Bo4	1047536	1047673	v	>>>	putative transmembrane >>>	putative dioxxygenase	<<<
Candidate_5_NC_008769	Bo5	1500061	1500136	v	>>>	trRNA >>>	trRNA	>>>
Candidate_6_NC_008769	Bo6	1718898	1719041	v	>>>	hypothetical protein >>>	hypothetical protein	<<<
Candidate_7_NC_008769	Bo7	1748024	1748149	v	>>>	putative transcriptional i	hypothetical protein	>>>
Candidate_8_NC_008769	Bo8	2026073	2026203	v	>>>	putative ferredoxin >>>	PPE family protein	>>>
Candidate_9_NC_008769	Bo9	2350888	2350947	v	>>>	hypothetical protein <<<	hypothetical protein	<<<
Candidate_10_NC_008769	Bo10	2542128	2542214	v	>>>	hypothetical protein <<<	putative aminotransferase	>>>
Candidate_11_NC_008769	Bo11	2716746	2716811	v	>>>	hypothetical protein <<<	putative resuscitation-pron	<<<
Candidate_12_NC_008769	Bo12	2813325	2813408	v	>>>	putative fatty acid synth	hypothetical protein	<<<
Candidate_13_NC_008769	Bo13	3126934	3127070	v	>>>	putative glutamine synt	putative methionine amino	<<<
Candidate_14_NC_008769	Bo14	3375461	3375983	v	>>>	putative cytochrome P4!	putative transcriptional reg	<<<
Candidate_15_NC_008769	Bo15	3505357	3505445	v	>>>	hypothetical protein <<<	hypothetical protein	>>>
Candidate_16_NC_008769	Bo16	3777614	3777736	v	>>>	putative amidase amiD >>>	hypothetical protein	>>>
Candidate_17_NC_008769	Bo17	3987546	3987591	v	>>>	hypothetical protein <<<	putative oxidoreductase	<<<
Candidate_18_NC_008769	Bo18	4345842	4345991	v	>>>	hypothetical protein <<<	hypothetical protein	<<<
Candidate_19_NC_008769	Bo19	3875949	3875999		<<<	PE family protein >>>	hypothetical protein	>>>
Candidate_20_NC_008769	Bo20	3319114	3319148	v	<<<	hypothetical protein <<<	putative lipoprotein lppZ	>>>
Candidate_21_NC_008769	Bo21	3236892	3236949	v	<<<	putative multifunctional	fatty-acid-CoA ligase fadD	>>>
Candidate_22_NC_008769	Bo22	3131299	3131335	v	<<<	putative penicillin-bindin	hypothetical protein	>>>
Candidate_23_NC_008769	Bo23	2991016	2991111	v	<<<	putative acyl-CoA dehyd	putative GTP-binding prote	<<<
Candidate_24_NC_008769	Bo24	2985327	2985361	v	<<<	hypothetical protein <<<	Repressor lexA	>>>
Candidate_25_NC_008769	Bo25	2247580	2247991		<<<	hypothetical protein <<<	hypothetical protein	<<<
Candidate_26_NC_008769	Bo26	2200711	2200873	v	<<<	hypothetical protein >>>	hypothetical protein	<<<
Candidate_27_NC_008769	Bo27	2157633	2157735	v	<<<	Ferric uptake regulation <<<	hypothetical protein	<<<
Candidate_28_NC_008769	Bo28	2065765	2065809	v	<<<	putative drugs-transport <<<	putative Acetolactate synt	>>>
Candidate_29_NC_008769	Bo29	1769806	1770012	v	<<<	putative acyltransferase >>>	putative fumarate reductas	>>>
Candidate_30_NC_008769	Bo30	1234453	1234611	v	<<<	putative cystathionine b	putative Proline-rich antige	>>>
Candidate_31_NC_008769	Bo31	1013063	1013213	v	<<<	putative phosphoserine i	hypothetical protein	>>>
Candidate_32_NC_008769	Bo32	817449	817557	v	<<<	putative elongation fact	hypothetical protein	>>>
Candidate_33_NC_008769	Bo33	621733	621908		<<<	putative pyrroline-5-carl	hypothetical protein	>>>
Candidate_34_NC_008769	Bo34	589648	589705	v	<<<	Isocitrate lyase icl >>>	putative 3-hydroxybutyryl-	>>>
Candidate_35_NC_008769	Bo35	576077	576189	v	<<<	hypothetical protein >>>	hypothetical protein	<<<
Candidate_36_NC_008769	Bo36	358379	358411	v	<<<	putative transcriptional i	hypothetical protein	>>>
Candidate_37_NC_008769	Bo37	305783	305928	v	<<<	putative acyl-CoA dehyd	putative transcriptional reg	>>>
Candidate_38_NC_008769	Bo38	129001	129398	v	<<<	hypothetical protein >>>	putative bifunctional mta/s	>>>
Candidate_39_NC_008769	Bo39	186345	186468	v	>>>	putative transmembrane >>>	Secreted antigen 85-c fbpC	<<<
Candidate_40_NC_008769	Bo40	798737	798796	v	<<<	DNA-directed RNA polyn	putative hydrolase	<<<
Candidate_41_NC_008769	Bo41	935527	935628	v	<<<	hypothetical protein <<<	hypothetical protein	<<<
Candidate_42_NC_008769	Bo42	2439908	2440111	v	<<<	putative Ubiquinol-cytoc	putative transmembrane p	<<<

Candidate_43_NC_008769	Bo43	2439965	2440111	v	<<<	putative Ubiquinol-cytoc >>>	putative transmembrane p <<<
Candidate_44_NC_008769	Bo44	2440022	2440111	v	<<<	putative Ubiquinol-cytoc >>>	putative transmembrane p <<<
Candidate_45_NC_008769	Bo45	2531945	2532009	v	>>>	putative phosphate-tran >>>	putative transcription regul <<<
Candidate_46_NC_008769	Bo46	2602899	2602984	v	<<<	putative transmembrane >>>	putative ESAT-6 like protei <<<
Candidate_47_NC_008769	Bo47	2705736	2705878	v	<<<	putative 50S ribosomal j <<<	putative C4-dicarboxylate-i >>>
Candidate_48_NC_008769	Bo48	3028829	3029036	v	<<<	putative alanine rich hyc >>>	putative short-chain type d <<<
Candidate_49_NC_008769	Bo49	3089636	3089773	v	<<<	hypothetical protein <<<	hypothetical protein <<<
Candidate_50_NC_008769	Bo50	3512558	3512644	v	>>>	hypothetical alanine and >>>	putative transmembrane p <<<
Candidate_51_NC_008769	Bo51	3560769	3560845	v	<<<	putative oxidoreductase <<<	hypothetical protein <<<
Candidate_52_NC_008769	Bo52	4073793	4074096	v	>>>	hypothetical protein >>>	hypothetical protein <<<
Candidate_53_NC_008769	Bo53	1044604	1044769	v	>>>	putative metal cation tra >>>	hypothetical protein >>>
Candidate_54_NC_008769	Bo54	1050442	1050536	v	>>>	putative lipid carrier pro <<<	PPE family protein <<<
Candidate_55_NC_008769	Bo55	1088544	1088593	v	<<<	hypothetical protein <<<	putative ATP dependent dn >>>
Candidate_57_NC_008769	Bo57	1158391	1158486	v	>>>	putative deoxyribonucle: >>>	putative resuscitation-pron >>>
Candidate_58_NC_008769	Bo58	1205651	1205934	v	<<<	hypothetical protein <<<	hypothetical protein >>>
Candidate_59_NC_008769	Bo59	1240958	1241026	v	>>>	hypothetical protein >>>	putative hemolysin-like prc <<<
Candidate_60_NC_008769	Bo60	1247488	1247725	v	<<<	putative cellulase celA2t >>>	PE-PGRS family protein >>>
Candidate_61_NC_008769	Bo61	1303330	1303446	v	<<<	putative short-chain typi >>>	putative transmembrane tr >>>
Candidate_62_NC_008769	Bo62	1309167	1309308	v	<<<	hypothetical protein <<<	putative transposase >>>
Candidate_63_NC_008769	Bo63	1344627	1344782	v	<<<	hypothetical protein <<<	putative polyketide beta-ke >>>
Candidate_64_NC_008769	Bo64	1344598	1344666	v	>>>	hypothetical protein <<<	putative polyketide beta-ke >>>
Candidate_65_NC_008769	Bo65	1393139	1393208	v	>>>	putative transcriptional i <<<	putative methyltransferase <<<
Candidate_66_NC_008769	Bo66	1393968	1394033	v	>>>	putative methyltransfera <<<	Alternative RNA polymeras >>>
Candidate_67_NC_008769	Bo67	1394909	1395111	v	>>>	Alternative RNA polymer >>>	hypothetical protein >>>
Candidate_68_NC_008769	Bo68	1498195	1498308	v	>>>	putative UDP-N-acetylgl >>>	trRNA >>>
Candidate_69_NC_008769	Bo69	1499908	1499978	v	<<<	trRNA >>>	trRNA >>>
Candidate_70_NC_008769	Bo70	1503529	1503647	v	<<<	trRNA >>>	putative methylated-DNA-- <<<
Candidate_71_NC_008769	Bo71	1588693	1588853	v	<<<	PPE family protein >>>	putative integration host fa >>>
Candidate_72_NC_008769	Bo72	1589405	1589534	v	<<<	putative integration host >>>	putative guanylate kinase (>>>
Candidate_73_NC_008769	Bo73	1647817	1647853	v	>>>	hypothetical protein <<<	hypothetical protein <<<
Candidate_74_NC_008769	Bo74	1717786	1718027	v	>>>	hypothetical protein >>>	hypothetical protein >>>
Candidate_75_NC_008769	Bo75	1857323	1857431	v	>>>	putative lysyl-tRNA synt <<<	putative INITIATION FACT >>>
Candidate_76_NC_008769	Bo76	1952894	1952974	v	>>>	hypothetical protein <<<	putative carboxylase >>>
Candidate_77_NC_008769	Bo77	2025595	2025832	v	<<<	putative cytochrome P4f <<<	putative ferredoxin >>>
Candidate_78_NC_008769	Bo78	207040	207399	v	<<<	hypothetical protein <<<	PE family protein <<<
Candidate_79_NC_008769	Bo79	210820	210981	v	>>>	PE family protein <<<	Phosphotyrosine protein ph <<<
Candidate_80_NC_008769	Bo80	2109967	2110040	v	<<<	alanine and proline rich : >>>	putative transmembrane p >>>
Candidate_81_NC_008769	Bo81	218738	218805	v	>>>	PE family protein <<<	PE family protein <<<
Candidate_82_NC_008769	Bo82	2235199	2235271	v	<<<	putative ferredoxin fdxA <<<	hypothetical protein <<<
Candidate_83_NC_008769	Bo83	2241726	2242050	v	>>>	hypothetical protein <<<	hypothetical protein >>>
Candidate_84_NC_008769	Bo84	2290721	2290870	v	<<<	putative polyketide synt <<<	hypothetical protein <<<
Candidate_85_NC_008769	Bo85	2300720	2300817	v	<<<	hypothetical protein <<<	putative cobalamin biosynt <<<
Candidate_86_NC_008769	Bo86	2325795	2325960	v	>>>	hypothetical protein >>>	putative transmembrane si >>>
Candidate_87_NC_008769	Bo87	2350914	2350995	v	<<<	hypothetical protein <<<	hypothetical protein <<<
Candidate_88_NC_008769	Bo88	2389602	2389705	v	>>>	cell division protein FtsZ <<<	putative cell division protei <<<
Candidate_89_NC_008769	Bo89	2404835	2404935	v	<<<	PE-PGRS family protein <<<	putative penicillin-binding i <<<
Candidate_90_NC_008769	Bo90	2417687	2417812	v	<<<	putative transmembrane >>>	putative transposase <<<

Candidate_91_NC_008769	Bo91	2443488	2443536	v	<<<	putative transmembrane <<<	putative asparagine synthetase >>>
Candidate_92_NC_008769	Bo92	2454616	2454699	v	>>>	putative branched-chain <<<	putative aminomethyltransferase <<<
Candidate_93_NC_008769	Bo93	2519844	2519973	v	>>>	putative cytochrome P450 >>>	hypothetical protein <<<
Candidate_95_NC_008769	Bo95	2685842	2685967	v	<<<	hypothetical protein >>>	putative transposase <<<
Candidate_96_NC_008769	Bo96	2686969	2687035	v	>>>	putative transposase <<<	hypothetical protein <<<
Candidate_97_NC_008769	Bo97	2704858	2704902	v	>>>	putative GTP1/obg-family <<<	putative 50S ribosomal protein <<<
Candidate_98_NC_008769	Bo98	2757824	2757868	v	>>>	putative carboxylesterase <<<	trRNA >>>
Candidate_99_NC_008769	Bo99	2845488	2845859	v	<<<	putative proline and glycine >>>	hypothetical protein >>>
Candidate_100_NC_008769	Bo100	2846599	2846750	v	>>>	hypothetical protein >>>	putative glutamine-transaminase >>>
Candidate_101_NC_008769	Bo101	2919147	2919502	v	<<<	hypothetical protein <<<	hypothetical protein >>>
Candidate_102_NC_008769	Bo102	2949474	2949742	v	<<<	putative enoyl-CoA hydratase >>>	hypothetical protein >>>
Candidate_103_NC_008769	Bo103	2977134	2977209	v	>>>	RNA polymerase sigma factor >>>	Iron-dependent repressor >>>
Candidate_104_NC_008769	Bo104	3058401	3058476	v	>>>	hypothetical protein <<<	putative lipoprotein lppV <<<
Candidate_105_NC_008769	Bo105	3073445	3073541	v	>>>	hypothetical protein >>>	putative transposase <<<
Candidate_106_NC_008769	Bo106	3076849	3077266	v	<<<	putative transposase <<<	hypothetical protein <<<
Candidate_107_NC_008769	Bo107	3077361	3077492	v	<<<	putative transposase <<<	hypothetical protein <<<
Candidate_108_NC_008769	Bo108	3087488	3087694	v	<<<	hypothetical protein <<<	hypothetical protein <<<
Candidate_109_NC_008769	Bo109	315103	315226		>>>	Small secreted protein <<<	putative lipoprotein lppI >>>
Candidate_110_NC_008769	Bo110	3171597	3171645	v	>>>	putative 30S ribosomal protein <<<	hypothetical protein <<<
Candidate_111_NC_008769	Bo111	321585	321741	v	>>>	putative acetyl-CoA acyltransferase >>>	putative acyl-CoA dehydrogenase <<<
Candidate_112_NC_008769	Bo112	3261506	3261740	v	<<<	hypothetical protein <<<	hypothetical protein <<<
Candidate_113_NC_008769	Bo113	3317520	3317587	v	<<<	putative acetolactate synthase <<<	Low molecular weight protein >>>
Candidate_114_NC_008769	Bo114	3341355	3341487	v	>>>	hypothetical protein <<<	putative electron transfer flavin <<<
Candidate_115_NC_008769	Bo115	3506359	3506470	v	<<<	putative transcriptional regulator >>>	hypothetical protein >>>
Candidate_116_NC_008769	Bo116	3602556	3602704	v	<<<	hypothetical protein >>>	hypothetical protein >>>
Candidate_117_NC_008769	Bo117	3731003	3731279	v	<<<	hypothetical protein <<<	pseudogene <<<
Candidate_118_NC_008769	Bo118	3765894	3765980	v	<<<	putative tRNA/rRNA methyltransferase >>>	PE-PGRS family protein >>>
Candidate_119_NC_008769	Bo119	3827924	3828035	v	>>>	putative alanine racemase <<<	hypothetical protein <<<
Candidate_120_NC_008769	Bo120	3919308	3919530	v	>>>	hypothetical protein <<<	PE-PGRS family protein >>>
Candidate_121_NC_008769	Bo121	3944210	3944265	v	>>>	hypothetical protein <<<	hypothetical protein <<<
Candidate_122_NC_008769	Bo122	4019787	4019854	v	<<<	putative ATP-dependent <<<	putative lsr2 protein precursor <<<
Candidate_123_NC_008769	Bo123	4042104	4042175	v	>>>	putative integral membrane protein <<<	putative integral membrane protein >>>
Candidate_124_NC_008769	Bo124	4061216	4061329	v	>>>	hypothetical protein <<<	putative cold shock protein <<<
Candidate_125_NC_008769	Bo125	4066488	4066544	v	<<<	hypothetical protein >>>	PE-PGRS family protein >>>
Candidate_126_NC_008769	Bo126	4072493	4072633	v	<<<	hypothetical protein <<<	hypothetical protein >>>
Candidate_127_NC_008769	Bo127	4083543	4083676	v	<<<	putative protease <<<	putative transmembrane protein >>>
Candidate_128_NC_008769	Bo128	4099732	4100035	v	>>>	trRNA >>>	putative cytochrome P450 <<<
Candidate_129_NC_008769	Bo129	4130474	4130544	v	<<<	putative dna polymerase <<<	putative ligase >>>
Candidate_130_NC_008769	Bo130	413288	413416	v	<<<	hypothetical proline and arginine >>>	hypothetical protein >>>
Candidate_131_NC_008769	Bo131	4142003	4142145	v	>>>	trRNA >>>	putative transmembrane protein >>>
Candidate_132_NC_008769	Bo132	4260533	4260570	v	>>>	hypothetical protein >>>	putative integral membrane protein <<<
Candidate_133_NC_008769	Bo133	4350049	4350265	v	<<<	hypothetical protein <<<	hypothetical protein <<<
Candidate_134_NC_008769	Bo134	505658	505708	v	>>>	putative secreted protein <<<	hypothetical protein >>>
Candidate_136_NC_008769	Bo136	610116	610263	v	>>>	putative phosphoglycerate >>>	putative two component sensor >>>
Candidate_137_NC_008769	Bo137	779373	779435	v	>>>	putative sugar kinase >>>	putative 50S ribosomal protein >>>
Candidate_138_NC_008769	Bo138	817494	817557	v	<<<	putative elongation factor >>>	hypothetical protein >>>
Candidate_139_NC_008769	Bo139	818357	818428	v	>>>	hypothetical protein >>>	putative short-chain type domain >>>

Candidate_140_NC_008769	Bo140	837644	837759	v	<<<	putative 50S ribosomal l	>>>	putative arylsulfatase atsA	>>>
Candidate_141_NC_008769	Bo141	908489	908530	v	<<<	putative protease II ptrE	>>>	putative multidrug resistanc	<<<
Candidate_142_NC_008769	Bo142	908364	908555	v	>>>	putative protease II ptrE	>>>	putative multidrug resistanc	<<<
Candidate_143_NC_008769	Bo143	936775	936827	v	<<<	hypothetical protein	<<<	putative amino acid aminot	>>>
Candidate_144_NC_008769	Bo144	954667	954869	v	<<<	trRNA	>>>	PE-PGRS family protein	>>>

140 out of 141