

**Supplementary Table 11: Genome-scale determination of modular units (MUs) representing potential transcription unit (MU)**

Modular Unit (MU)	Start	End RBR	RTS	TSS composition	pORF composition	ORF composition (Current annotation)
MU-1	150	2575 RNAP_peak+_1	RTS_R4+_1	148;163;170	pORF+_337	thrL-thrA
MU-2	2600	5000 RNAP_peak+_2	RTS_R4+_2	2688	pORF+_2801;pORF+_3734	thrB-thrC
MU-3	5050	5525 RNAP_peak+_3	RTS_R4+_3	5118		yaaX
MU-4	8200	9200 RNAP_peak+_4	RTS_R4+_4	8191;8198;8204;8211;8230	pORF+_8175	talB
MU-5	9300	10100 RNAP_peak+_5	RTS_R4+_5	9277	pORF+_9303	mog
MU-6	12051	14051 RNAP_peak+_6	RTS_R4+_6	12048;12123;12159;12142	pORF+_12163	dnaK
MU-7	14076	15326 RNAP_peak+_7	RTS_R4+_7	14052	pORF+_14138	Tpke11-dnaJ
MU-8	15351	16801 RNAP_peak+_8	RTS_R4+_8	15247;15253;15276;15338	pORF+_15439	insL
MU-9	16976	17051 RNAP_peak+_9	RTS_R4+_9	16959		sokC
MU-10	17576	19701 RNAP_peak+_10	RTS_R4+_10	17462		nhaA-nhaR
MU-11	19801	20501 RNAP_peak+_11	RTS_R4+_11	19727;19742		NT
MU-12	21001	21376 RNAP_peak+_12	RTS_R4+_12	20912		yaaY
MU-13	21401	24976 RNAP_peak+_13	RTS_R4+_13	21383;21395	pORF+_21407;pORF+_22391	ribF-ileS
MU-14	25001	25726 RNAP_peak+_14	RTS_R4+_14	24971;25006		lspA
MU-15	25751	28201 RNAP_peak+_15	RTS_R4+_15	25695;25698;25701;25804	pORF+_25826;pORF+_26193; pORF+_27293	fkpB-ispH-rihC
MU-16	28276	29201 RNAP_peak+_16	RTS_R4+_16	28289;28343	pORF+_28374	dapB
MU-17	29555	34055 RNAP_peak+_17	RTS_R4+_17	29551;29620;29632	pORF+_29624;pORF+_30817	carA-carB
MU-18	34234	34784 RNAP_peak+_18	RTS_R4+_18	34226;34273	pORF+_34195	caiF
MU-19	42403	45750 RNAP_peak+_19			pORF+_44180	fixA-fixB-fixC-fixX
MU-20	45807	47138				yaaU
MU-21	47234	49509 RNAP_peak+_20	RTS_R4+_19	47215	pORF+_47246;pORF+_47673	kefF-kefC
MU-22	49809	50509 RNAP_peak+_21	RTS_R4+_20	49788;49799	pORF+_49688	foiA
MU-23	57284	58734 RNAP_peak+_22	RTS_R4+_21	57259;57261	pORF+_57319	djlA
MU-24	58784	59709 RNAP_peak+_23	RTS_R4+_22	58946		yabP
MU-25	70184	71184 RNAP_peak+_24	RTS_R4+_23	70221	pORF+_70336	araC
MU-26	71234	72284 RNAP_peak+_25	RTS_R4+_24	71240;71271		yabI
MU-27	77409	78909 RNAP_peak+_26	RTS_R4+_25	77357;77367		sgrS-setA
MU-28	84359	84734 RNAP_peak+_27	RTS_R4+_26	84298;84307		leuO
MU-29	85609	87834 RNAP_peak+_28	RTS_R4+_27	85599;85604	pORF+_85540;pORF+_87327	ilvI-ilvH
MU-30	88009	89159 RNAP_peak+_29	RTS_R4+_28	87837;87868;87969	pORF+_88028	fruR
MU-31	89634	89934 RNAP_peak+_30	RTS_R4+_29	89589	pORF+_89598	mraZ
MU-32	89959	90309 RNAP_peak+_31	RTS_R4+_30	89954;90014	pORF+_89965	mraW
MU-33	90334	90684 RNAP_peak+_32	RTS_R4+_31	90327	pORF+_91032	ftsL
MU-34	90709	93109 RNAP_peak+_33	RTS_R4+_32	90682;91028	pORF+_91032	ftsL-ftsI
MU-35	93134	100759 RNAP_peak+_34	RTS_R4+_33	93137;93145	pORF+_93166;pORF+_94650; pORF+_97087;pORF+_98400; pORF+_99644	murE-murF-mraY-murD-ftsW- murG
MU-36	100784	102759 RNAP_peak+_35	RTS_R4+_34	100740;100750	pORF+_100765;pORF+_1022 33	murC-ddIB
MU-37	102784	104584 RNAP_peak+_36	RTS_R4+_35	102763	pORF+_103155;pORF+_1039 82	ftsQ-ftsA
MU-38	104609	106484 RNAP_peak+_37	RTS_R4+_36	104560	pORF+_105305	ftsZ

MU-39	106509	107459 RNAP_peak+_38	RTS_R4+_37	106507;106519;106530	pORF+_106557	lpxC
MU-40	107709	107984 RNAP_peak+_39	RTS_R4+_38	107561		secM
MU-41	108009	111584 RNAP_peak+_40	RTS_R4+_39	107977;108025;108119;108132	pORF+_108279	secA-mutT
MU-42	113409	114484 RNAP_peak+_41	RTS_R4+_40	113396;113415;113436	pORF+_113444	guaC
MU-43	118734	120209 RNAP_peak+_42	RTS_R4+_41	118701;118918	pORF+_118733;pORF+_119242	ampD-ampE
MU-44	122063	122788 RNAP_peak+_43	RTS_R4+_42	122034	pORF+_122059	pdhR
MU-45	122988	127588 RNAP_peak+_44	RTS_R4+_43	122852;122860;122969;122975;122985;122992;123003	pORF+_123017;pORF+_125695	aceE-aceF
MU-46	127638	129321 RNAP_peak+_45	RTS_R4+_44	127700;127717	pORF+_127879	lpd
MU-47	129571	129596	RTS_R4+_45	129500		NT
MU-48	130246	130671	RTS_R4+_46	130202		NT
MU-49	131546	134246 RNAP_peak+_46	RTS_R4+_47	131519;131743	pORF+_131462	acnB
MU-50	134346	134821 RNAP_peak+_47	RTS_R4+_48	134339	pORF+_134340	yacL
MU-51	137071	138596 RNAP_peak+_48	RTS_R4+_49	137044;137049	pORF+_137044	cueO
MU-52	141371	142596 RNAP_peak+_49	RTS_R4+_50	141360;141407	pORF+_141356	hpt
MU-53	142646	144946 RNAP_peak+_50	RTS_R4+_51	142733	pORF+_142779	yadG-yadH-yadI
MU-54	145071	146250 RNAP_peak+_51	RTS_R4+_52	145108		yadE
MU-55	146968	147870 RNAP_peak+_52				yadD
MU-56	147600	147825 RNAP_peak+_53	RTS_R4+_53	147583;147647		NT
MU-57	162101	164526 RNAP_peak+_54	RTS_R4+_54	162077	pORF+_162060	hrpB
MU-58	164601	167226 RNAP_peak+_55	RTS_R4+_55	164648;164658	pORF+_164715	mrcB
MU-59	167451	169726 RNAP_peak+_56	RTS_R4+_56	167427;167443	pORF+_167484	fhuA
MU-60	169776	173576 RNAP_peak+_57	RTS_R4+_57	169728;169733	pORF+_169736;pORF+_170572;pORF+_171462	fhuC-fhuD-fhuB
MU-61	174951	176576 RNAP_peak+_58	RTS_R4+_58	174931;174975;175009;175074		clcA
MU-62	176601	177051 RNAP_peak+_59	RTS_R4+_59	176558;176561;176583;176592	pORF+_176577	erpA
MU-63	179226	180582 RNAP_peak+_60	RTS_R4+_60	179264	pORF+_179237	dgt
MU-64	180882	183582 RNAP_peak+_61	RTS_R4+_61	180852;180859	pORF+_180884	degP-cdaR
MU-65	186157	186832 RNAP_peak+_62	RTS_R4+_62	186142		NT
MU-66	189607	189757 RNAP_peak+_63	RTS_R4+_63	189639		tff
MU-67	189807	191707 RNAP_peak+_64	RTS_R4+_64	189842;189866	pORF+_189676;pORF+_190857	rpsB-tsif
MU-68	191757	192732 RNAP_peak+_65	RTS_R4+_65	191754;191812;191820	pORF+_191855	pyrH
MU-69	192757	194532 RNAP_peak+_66	RTS_R4+_66	192617;192666;192790;192797;192814;192854;192863	pORF+_192872;pORF+_193521	frr-dxr
MU-70	194632	196532 RNAP_peak+_67	RTS_R4+_67	194843	pORF+_194903	ispU-cdsA
MU-71	196557	197882 RNAP_peak+_68	RTS_R4+_68	196415;196429	pORF+_196501	rseP
MU-72	197907	200257 RNAP_peak+_69	RTS_R4+_69	197823;197883	pORF+_197928	bamA
MU-73	200282	202007 RNAP_peak+_70	RTS_R4+_70	200138;200212;200256;200299;200305;200317;200378;200387;200399	pORF+_200482;pORF+_200971	skp-lpxD

MU-74	202032	208407	RNAP_peak+_71	RTS_R4+_71	202019;202066;202074;202082	pORF+_202008;pORF+_202560;pORF+_203348;pORF+_205126	fabZ-lpxA-lpxB-rnhB-dnaE
MU-75	208432	209582	RNAP_peak+_72	RTS_R4+_72	208412	pORF+_208621	accA
MU-76	209682	211757	RNAP_peak+_73	RTS_R4+_73	209658	pORF+_209679	ldcC
MU-77	211782	213682	RNAP_peak+_74	RTS_R4+_74	211858	pORF+_211850;pORF+_212331	yaeR-tilS
MU-78	214307	215282	RNAP_peak+_75	RTS_R4+_75	214269;214284		yaeQ-yaeJ
MU-79	215332	216107	RNAP_peak+_76	RTS_R4+_76	215123	pORF+_215269	nlpE
MU-80	222832	223707	RNAP_peak+_77	RTS_R4+_77	222806	pORF+_222833	gmhB
MU-81	223732	225607	RNAP_peak+_78	RTS_R4+_78	223771		rrsH-ileV-alaV
MU-82	225632	229012	RNAP_peak+_79	RTS_R4+_79	225711		rrlH-rrfH-aspU
MU-83	229162	229862	RNAP_peak+_80	RTS_R4+_80	229134	pORF+_229167	dkgB
MU-84	231087	232587	RNAP_peak+_81	RTS_R4+_81	231063	pORF+_231122	yafD-yafE
MU-85	234813	235463	RNAP_peak+_82	RTS_R4+_82	234785		yafS
MU-86	235963	236888	RNAP_peak+_83	RTS_R4+_83	236021	pORF+_236058	dnaQ
MU-87	236938	237038	RNAP_peak+_84	RTS_R4+_84	236861		aspV
MU-88	237335	238120					yafT
MU-89	238462	238586	RNAP_peak+_85				C0067
MU-90	239106	239378	RNAP_peak+_86			pORF+_239154	yafF
MU-91	240338	240813	RNAP_peak+_87	RTS_R4+_85	240333	pORF+_240343	ivy
MU-92	243488	245313	RNAP_peak+_88	RTS_R4+_86	243512;243522	pORF+_243510;pORF+_244312	lpcA-yafJ
MU-93	246688	248038	RNAP_peak+_89	RTS_R4+_87	246656		yafL-yafM
MU-94	248138	248338	RNAP_peak+_90	RTS_R4+_88	248128		NT
MU-95	250538	250788		RTS_R4+_89	250492	pORF+_249937	lafU
MU-96	250863	251838	RNAP_peak+_91	RTS_R4+_90	250883		dinB
MU-97	251913	252813	RNAP_peak+_92	RTS_R4+_91	251969		yafN-yafO-yafP
MU-98	252709	253161	RNAP_peak+_93				yafP
MU-99	253363	253463	RNAP_peak+_94	RTS_R4+_92	253336		NT
MU-100	253479	253685					ykfJ
MU-101	253702	254202					prfH
MU-102	255938	256438	RNAP_peak+_95	RTS_R4+_93	255918;255924;255936	pORF+_255977	gpt
MU-103	256513	257788	RNAP_peak+_96	RTS_R4+_94	256502;256509	pORF+_256527	frsA
MU-104	257813	258388	RNAP_peak+_97	RTS_R4+_95	257810	pORF+_257829	crI
MU-105	259489	261989	RNAP_peak+_98	RTS_R4+_96	259572;259576;259584	pORF+_259525;pORF+_260727	proB-proA
MU-106	262089	262214	RNAP_peak+_99	RTS_R4+_97	262064;262114		thrW
MU-107	268364	268539	RNAP_peak+_100	RTS_R4+_98	268350		NT
MU-108	269514	270839	RNAP_peak+_101	RTS_R4+_99	269482		insN-insI
MU-109	270864	272564	RNAP_peak+_102	RTS_R4+_100	270974;270979		insN-ykfC
MU-110	274539	277114	RNAP_peak+_103	RTS_R4+_101	274508	pORF+_274525;pORF+_275795	mmuP-mmuM
MU-111	278414	279314	RNAP_peak+_104	RTS_R4+_102			NT
MU-112	281481	287623				pORF+_281481;pORF+_282404;pORF+_284619	yagE-yagF-yagG-yagH

MU-113	289715	290040	RNAP_peak+_105	RTS_R4+_103	289619		NT
MU-114	290065	290590	RNAP_peak+_106	RTS_R4+_104			NT
MU-115	290765	291390	RNAP_peak+_107	RTS_R4+_105	290751		yagJ
MU-116	294940	295365	RNAP_peak+_108	RTS_R4+_106	294852		NT
MU-117	296365	296940	RNAP_peak+_109	RTS_R4+_107	296384		ptwF
MU-118	302165	303140	RNAP_peak+_110	RTS_R4+_108	302181;302183	pORF+_302215	yagU
MU-119	311336	311563	RNAP_peak+_111				ykgL
MU-120	312068	312193	RNAP_peak+_112	RTS_R4+_109	312032		NT
MU-121	313581	314452					eaeH
MU-122	314493	315693	RNAP_peak+_113	RTS_R4+_110		pORF+_314506;pORF+_314811	insE-insF
MU-123	316663	316791					ykgQ
MU-124	319468	319743	RNAP_peak+_114	RTS_R4+_111	319342;319351		ykgD
MU-125	320818	323868	RNAP_peak+_115	RTS_R4+_112	320708	pORF+_320832;pORF+_321562;pORF+_322829	ykgE-ykgF-ykgG
MU-126	328693	330368	RNAP_peak+_116	RTS_R4+_113	328645		betT
MU-127	330393	330768	RNAP_peak+_117	RTS_R4+_114	330428		NT
MU-128	331293	332618	RNAP_peak+_118	RTS_R4+_115	331089;331266;331462;331470	pORF+_331589	yahA
MU-129	334943	338943	RNAP_peak+_119	RTS_R4+_116	334399;334470	pORF+_334504;pORF+_335149;pORF+_336002;pORF+_337549	yahD-yahE-yahF-yahG
MU-130	339218	340093	RNAP_peak+_120	RTS_R4+_117	339162	pORF+_339389	yahI
MU-131	340368	341793	RNAP_peak+_121	RTS_R4+_118	340325	pORF+_340349	yahJ
MU-132	341968	343143	RNAP_peak+_122	RTS_R4+_119	342042;342062;342079	pORF+_342108	yahK
MU-133	343400	344215	RNAP_peak+_123				yahL
MU-134	344493	344643	RNAP_peak+_124	RTS_R4+_120	344602		NT
MU-135	344628	344873					yahM
MU-136	345668	346043	RNAP_peak+_125	RTS_R4+_121	345656;345664;345678	pORF+_345708	yahO
MU-137	347893	353543	RNAP_peak+_126	RTS_R4+_122	347871	pORF+_347906;pORF+_349236;pORF+_350439;pORF+_352003;pORF+_352501	prpB-prpC-prpD-prpE
MU-138	354143	357043	RNAP_peak+_127	RTS_R4+_123	354108;354119	pORF+_354146;pORF+_355380	codB-codA
MU-139	358023	360370			357998		cynT-cynS-cynX
MU-140	368052	374027	RNAP_peak+_128	RTS_R4+_124	367744	pORF+_370400	mhpA-mhpB-mhpC-mhpD-mhpF-mhpE
MU-141	374152	375852	RNAP_peak+_129	RTS_R4+_125	374107	pORF+_374638	mhpT
MU-142	375977	376952	RNAP_peak+_130	RTS_R4+_126	375966;375971	pORF+_375879	yaiL
MU-143	380506	381781	RNAP_peak+_131	RTS_R4+_127			insC-insD
MU-144	382156	382581	RNAP_peak+_132	RTS_R4+_128	382126		NT
MU-145	384456	387831	RNAP_peak+_133	RTS_R4+_129	384430	pORF+_384399;pORF+_385431;pORF+_386195;pORF+_387019	tauA-tauB-tauC-tauD
MU-146	389475	390932	RNAP_peak+_134		389071		yaiT
MU-147	390961	391361	RNAP_peak+_135	RTS_R4+_130			NT

MU-148	389475	394353	RNAP_peak+_136				yaiT-yaiV
MU-149	395536	396775	RNAP_peak+_137	RTS_R4+_131	395657;395704;395779		sbmA
MU-150	396875	398179	RNAP_peak+_138	RTS_R4+_132	396858	pORF+_397096	yaiW
MU-151	398804	399379	RNAP_peak+_139	RTS_R4+_133	398796		yaiZ
MU-152	400579	400954	RNAP_peak+_140	RTS_R4+_134	400543;400587	pORF+_400610	iraP
MU-153	400979	402829	RNAP_peak+_141	RTS_R4+_135	400875;400902;400916	pORF+_400902;pORF+_402487	phoA-psiF
MU-154	402980	404030	RNAP_peak+_142	RTS_R4+_136	402912		adrA
MU-155	405005	405455	RNAP_peak+_143	RTS_R4+_137	404965	pORF+_404868	yaiI
MU-156	405530	406180	RNAP_peak+_144	RTS_R4+_138	405456;405502	pORF+_405629	aroL
MU-157	406205	406530	RNAP_peak+_145	RTS_R4+_139	406176	pORF+_406203	yaiA
MU-158	406555	407380	RNAP_peak+_146	RTS_R4+_140	406399	pORF+_406652	aroM
MU-159	407405	407680	RNAP_peak+_147	RTS_R4+_141	407371	pORF+_407401	yaiE
MU-160	407780	408280	RNAP_peak+_148	RTS_R4+_142	407685		ykiA
MU-161	409305	410605	RNAP_peak+_149	RTS_R4+_143	409344	pORF+_409230	mak
MU-162	415456	416281		RTS_R4+_144	415429		NT
MU-163	416381	418381	RNAP_peak+_150	RTS_R4+_145	416378	pORF+_416366;pORF+_417113	phoB-phoR
MU-164	418581	420106	RNAP_peak+_151	RTS_R4+_146	418645;418776		brnQ
MU-165	420206	421606	RNAP_peak+_152	RTS_R4+_147	420146	pORF+_420207	proY
MU-166	421806	423656	RNAP_peak+_153	RTS_R4+_148	421719	pORF+_421739	malZ
MU-167	424231	426056	RNAP_peak+_154	RTS_R4+_149	424209	pORF+_424235;pORF+_425361	queA-tgt
MU-168	426081	426481	RNAP_peak+_155	RTS_R4+_150	425886;425978;426063;426165		NT
MU-169	426531	426831	RNAP_peak+_156	RTS_R4+_151	426428;426439;426472	pORF+_426481	yajC
MU-170	426859	429709	RNAP_peak+_157	RTS_R4+_152	426798;426873;426882;426887	pORF+_426871;pORF+_428684	secD-secF
MU-171	429809	430284	RNAP_peak+_158	RTS_R4+_153	429809		yajD
MU-172	432212	433712	RNAP_peak+_159	RTS_R4+_154	432199	pORF+_432226;pORF+_432679	nrdR-ribD
MU-173	433737	435712	RNAP_peak+_160	RTS_R4+_155	433735;433817;433820;433828	pORF+_433775;pORF+_434361;pORF+_434858	ribE-nusB-thiL
MU-174	435737	436337	RNAP_peak+_161	RTS_R4+_156	435808		pgpA
MU-175	437412	437687	RNAP_peak+_162	RTS_R4+_157	437492		NT
MU-176	440712	442212	RNAP_peak+_163	RTS_R4+_158	440693	pORF+_440773	thiI
MU-177	443812	444487	RNAP_peak+_164	RTS_R4+_159	443824;443852;443861;443882;443888	pORF+_443739	yajQ
MU-178	453587	454037	RNAP_peak+_165	RTS_R4+_160	453575;453607;453649;453658	pORF+_453663	bolA
MU-179	454112	455762	RNAP_peak+_166	RTS_R4+_161	454217;454228;454331	pORF+_454357	tig
MU-180	455787	457912	RNAP_peak+_167	RTS_R4+_162	455778;455801;455829;455867;455873;455882	pORF+_455901;pORF+_456650	clpP-clpX
MU-181	457980	459055	RNAP_peak+_168	RTS_R4+_163	457992;458039;458090	pORF+_458067	lon
MU-182	459080	460555	RNAP_peak+_169	RTS_R4+_164	459037;459330;459337;459339		NT

MU-183	460580	461005 RNAP_peak+_170	RTS_R4+_165	460556;460615;460619;460637;460655	pORF+_460675	hupB
MU-184	461030	464005 RNAP_peak+_171	RTS_R4+_166	461076	pORF+_461139;pORF+_463626	ppiD-ybaV-ybaW
MU-185	466630	467480 RNAP_peak+_172	RTS_R4+_167	466606		cof
MU-186	467605	469505 RNAP_peak+_173	RTS_R4+_168	467581	pORF+_468095	ybaO-mdIA
MU-187	470330	471605 RNAP_peak+_174	RTS_R4+_169		pORF+_469746	mdIB
MU-188	471805	472130 RNAP_peak+_175	RTS_R4+_170	471781	pORF+_471684	glnK
MU-189	472155	473480 RNAP_peak+_176	RTS_R4+_171	472073		amtB
MU-190	474555	475155 RNAP_peak+_177	RTS_R4+_172	474530;474538	pORF+_474603	ybaY
MU-191	475680	475780 RNAP_peak+_178	RTS_R4+_173	475672		ffs
MU-192	475880	476255 RNAP_peak+_179	RTS_R4+_174	475842		ybaA
MU-193	477905	478980 RNAP_peak+_180	RTS_R4+_175	478077		NT
MU-194	484983	485533 RNAP_peak+_181	RTS_R4+_176	484940	pORF+_484665	acrR
MU-195	485733	489283 RNAP_peak+_182	RTS_R4+_177	485713	pORF+_485760	kefA
MU-196	490108	490508 RNAP_peak+_183	RTS_R4+_178	490082		ybaN
MU-197	490533	491208 RNAP_peak+_184	RTS_R4+_179	490534	pORF+_490582	apt
MU-198	491283	493058 RNAP_peak+_185	RTS_R4+_180	491278	pORF+_491316	dnaX
MU-199	493083	494233 RNAP_peak+_186	RTS_R4+_181	493133;493139;493170;493242;493275	pORF+_493285;pORF+_493629	ybaB-recR
MU-200	494308	496183 RNAP_peak+_187	RTS_R4+_182	494300;494306;494314;494328	pORF+_494344	htpG
MU-201	496383	497183 RNAP_peak+_188	RTS_R4+_183	496357	pORF+_496339	adk
MU-202	497283	498108 RNAP_peak+_189	RTS_R4+_184	497255	pORF+_497279	hemH
MU-203	499362	500787 RNAP_peak+_190	RTS_R4+_185	499323	pORF+_499349	gsk
MU-204	504137	505864 RNAP_peak+_191	RTS_R4+_186	504107;504112	pORF+_504138	ushA
MU-205	506264	506489 RNAP_peak+_192	RTS_R4+_187	506428		sroB
MU-206	507414	508039 RNAP_peak+_193	RTS_R4+_188	507400;507406	pORF+_507388	ybaQ
MU-207	510814	513114 RNAP_peak+_194	RTS_R4+_189	510797;510827	pORF+_510865	ybaS-ybaT
MU-208	513139	513889 RNAP_peak+_195	RTS_R4+_190	513098	pORF+_513217	cueR
MU-209	515139	516639 RNAP_peak+_196	RTS_R4+_191	515116	pORF+_515143	ybbL-ybbM
MU-210	518414	522014 RNAP_peak+_197	RTS_R4+_192	518602;518895	pORF+_518957;pORF+_519640	ybbA-ybbP
MU-211	522439	526339 RNAP_peak+_198	RTS_R4+_193	522451	pORF+_522485	rhsD
MU-212	526514	527864 RNAP_peak+_199	RTS_R4+_194	526780		ybbC-ylbH
MU-213	527864	528354 RNAP_peak+_200				ybbD
MU-214	528724	528816 RNAP_peak+_201				ylbI
MU-215	531639	532114	RTS_R4+_195	531614		allA
MU-216	532214	532864 RNAP_peak+_202	RTS_R4+_196	532189	pORF+_532235	allR
MU-217	532889	533039 RNAP_peak+_203	RTS_R4+_197	532861;532866		NT
MU-218	534064	534514	RTS_R4+_198	534032	pORF+_533050	NT
MU-219	533140	542257 RNAP_peak+_204		533001	pORF+_533050;pORF+_534934	gcl-hyi-glxR-ybbV-ybbW-allB-ybbY-glxK
MU-220	535810	542257 RNAP_peak+_205		535605	pORF+_535810	glxR-ybbV-ybbW-allB-ybbY-glxK
MU-221	536857	542257 RNAP_peak+_206		536895		ybbW-allB-ybbY-glxK
MU-222	541214	542039	RTS_R4+_199	540988		glxK

MU-223	545904	550555 RNAP_peak+_207				pORF+_548757	fdrA-yIbE-yIbF-ybcF
MU-224	553814	555314 RNAP_peak+_208	RTS_R4+_200	553800		pORF+_553834	cysS
MU-225	557435	557977 RNAP_peak+_209		557392			sfmA
MU-226	558197	561523					sfmC-sfmD
MU-227	561559	563068					sfmH-sfmF
MU-228	563939	564139 RNAP_peak+_210	RTS_R4+_201	563958;563959			argU
MU-229	565599	565999 RNAP_peak+_211		565404			peaD-renD
MU-230	566014	567439 RNAP_peak+_212	RTS_R4+_202			pORF+_566056;pORF+_566361	insE-insF-renD
MU-231	567539	567839 RNAP_peak+_213	RTS_R4+_203	567514			emrE
MU-232	568125	569651 RNAP_peak+_214					ybcK
MU-233	570141	571516 RNAP_peak+_215	RTS_R4+_204	570094			ybcL-ybcM
MU-234	571591	573093 RNAP_peak+_216		571542			ylcH-ybcN-ninE-ybcO-rusA-ylcG
MU-235	573179	573562 RNAP_peak+_217		573132			quuD
MU-236	576091	576449 RNAP_peak+_218	RTS_R4+_205	576081			NT
MU-237	576699	577274 RNAP_peak+_219	RTS_R4+_206	576504			essD-arrD-rzpD-rzoD
MU-238	578953	579653 RNAP_peak+_220	RTS_R4+_207	578930;579059			ybcW
MU-239	580057	580885					nohB-aaaD
MU-240	580790	581140 RNAP_peak+_221	RTS_R4+_208	580819			tfaD
MU-241	582176	582358					tfaX
MU-242	582840	583815 RNAP_peak+_222	RTS_R4+_209				appY
MU-243	585215	585315 RNAP_peak+_223	RTS_R4+_210				pauD
MU-244	594823	596196 RNAP_peak+_224		594797		pORF+_594823	cusC
MU-245	596295	600695 RNAP_peak+_225	RTS_R4+_211	596325		pORF+_596354;pORF+_596702;pORF+_597937	cusF-cusB-cusA
MU-246	601170	602520 RNAP_peak+_226	RTS_R4+_212	601152		pORF+_601146	pheP
MU-247	607059	607211 RNAP_peak+_227		607066			hokE
MU-248	607245	608545 RNAP_peak+_228	RTS_R4+_213	607179		pORF+_607282	insL
MU-249	611945	617371	RTS_R4+_214	611909		pORF+_611960;pORF+_613159;pORF+_613242	fes-ybdZ-entF
MU-250	617477	618610 RNAP_peak+_229		617410			fepE
MU-251	621496	622721 RNAP_peak+_230	RTS_R4+_215	621481;621483		pORF+_621523	entS
MU-252	624096	628971 RNAP_peak+_231	RTS_R4+_216	624054		pORF+_624096;pORF+_625293;pORF+_626917;pORF+_627744;pORF+_628523	entC-entE-entB-entA-ybdB
MU-253	629046	631996 RNAP_peak+_232	RTS_R4+_217	629079;629088;629096		pORF+_629117	cstA-ybdD
MU-254	632796	634146 RNAP_peak+_233	RTS_R4+_218	632780;632789		pORF+_632809	ybdL
MU-255	637871	640549 RNAP_peak+_234	RTS_R4+_219	638054;638104;638130;638144;638149;638189;638227		pORF+_638168;pORF+_638946	ahpC-ahpF
MU-256	641274	642581 RNAP_peak+_235	RTS_R4+_220	641285			ybdR
MU-257	651849	653724 RNAP_peak+_236	RTS_R4+_221	651740		pORF+_653085	dpiB-dpiA
MU-258	655824	656124 RNAP_peak+_237	RTS_R4+_222	655710;655753			pagP
MU-259	656474	656799 RNAP_peak+_238	RTS_R4+_223	656473		pORF+_656485	cspE
MU-260	657199	657974 RNAP_peak+_239	RTS_R4+_224	657187			ybeM
MU-261	658024	658374 RNAP_peak+_240	RTS_R4+_225	658045		pORF+_658170	tatE
MU-262	663280	663505 RNAP_peak+_241	RTS_R4+_226	663180;663285			NT

MU-263	674180	674980 RNAP_peak_+_242	RTS_R4_+_227	674160;674216	pORF_+_674241	ybeL
MU-264	675934	678065 RNAP_peak_+_243				ybeR-djlB
MU-265	678731	680886 RNAP_peak_+_244		678687		ybeU-djIC
MU-266	694330	695630 RNAP_peak_+_245	RTS_R4_+_228	694300	pORF_+_694318	ubiF
MU-267	695830	696655 RNAP_peak_+_246	RTS_R4_+_229	695655		NT
MU-268	702680	705055 RNAP_peak_+_247	RTS_R4_+_230	702830;703063	pORF_+_703167	nagE
MU-269	705180	707155 RNAP_peak_+_248	RTS_R4_+_231	705222;705283;705286;705301;705309	pORF_+_705316	glnS
MU-270	707557	709339 RNAP_peak_+_249		707487;707512	pORF_+_709013	ybfM-ybfN
MU-271	709980	710055 RNAP_peak_+_250	RTS_R4_+_232	710000		NT
MU-272	712105	714580 RNAP_peak_+_251	RTS_R4_+_233	712074;712139	pORF_+_712075;pORF_+_712730	seqA-pgm30
MU-273	714635	715129		714596		ybfP
MU-274	715530	715555 RNAP_peak_+_252	RTS_R4_+_234			NT
MU-275	719806	720063				ybfK
MU-276	728255	728655 RNAP_peak_+_253	RTS_R4_+_235	728295;728306;728311		ybfA
MU-277	728755	733180 RNAP_peak_+_254	RTS_R4_+_236	728572		rhcC-ybfB
MU-278	733530	734305 RNAP_peak_+_255	RTS_R4_+_237	733014;733048		ybfO
MU-279	734505	735655 RNAP_peak_+_256	RTS_R4_+_238	734611;734641		ybfC
MU-280	735668	735922 RNAP_peak_+_257				ybfQ
MU-281	736048	737184 RNAP_peak_+_258			pORF_+_736123	ybfL
MU-282	737315	738076 RNAP_peak_+_259		737286		ybfD
MU-283	738183	740533 RNAP_peak_+_260	RTS_R4_+_239	738203		ybgA-phr
MU-284	741908	744558 RNAP_peak_+_261	RTS_R4_+_240	741851;742021	pORF_+_742050;pORF_+_742816;pORF_+_743466	ybgI-ybgJ-ybgK
MU-285	744608	746408 RNAP_peak_+_262	RTS_R4_+_241		pORF_+_745158	ybgL-nei
MU-286	746833	747633 RNAP_peak_+_263	RTS_R4_+_242			NT
MU-287	754158	754683 RNAP_peak_+_264	RTS_R4_+_243	754178	pORF_+_754783	sdhC-sdhD
MU-288	754708	757683 RNAP_peak_+_265	RTS_R4_+_244	754738;754745	pORF_+_754783;pORF_+_755118;pORF_+_756912	sdhA-sdhB
MU-289	757758	764658 RNAP_peak_+_266	RTS_R4_+_245	757777;757802;757808	pORF_+_757929;pORF_+_760745;pORF_+_762237;pORF_+_763403	sucA-sucB-sucC-sucD
MU-290	765558	769633 RNAP_peak_+_267	RTS_R4_+_246	765093		mngA-mngB
MU-291	770383	773258 RNAP_peak_+_268	RTS_R4_+_247	770474;770487;770517;770523;770603	pORF_+_770678;pORF_+_772265	cydA-cydB
MU-292	773283	773583	RTS_R4_+_248	773229		ybgT
MU-293	773608	773808 RNAP_peak_+_269	RTS_R4_+_249			ybgE
MU-294	773958	776708 RNAP_peak_+_270	RTS_R4_+_250	773934	pORF_+_773975;pORF_+_774376;pORF_+_775072;pORF_+_775565	ybgC-tolQ-tolR-tolA
MU-295	776733	779733 RNAP_peak_+_271	RTS_R4_+_251	776788;776892;776907	pORF_+_776960;pORF_+_778266;pORF_+_778821	tolB-pal-ybgF
MU-296	779758	780233 RNAP_peak_+_272	RTS_R4_+_252	779735		lysT-valT-lysW
MU-297	780258	780458 RNAP_peak_+_273	RTS_R4_+_253	780263		valZ-lysY
MU-298	780483	781033 RNAP_peak_+_274	RTS_R4_+_254	780570		lysZ-lysQ



MU-299	781258	782158	RNAP_peak+_275	RTS_R4+_255	781226;781237;781283	pORF+_781308	nadA
MU-300	782183	783508	RNAP_peak+_276	RTS_R4+_256	782246;782268		pnuC
MU-301	784833	786008	RNAP_peak+_277	RTS_R4+_257	784815;784821;784826;784830	pORF+_784856	aroG
MU-302	786933	786983	RNAP_peak+_278	RTS_R4+_258	786750		NT
MU-303	793833	794133	RNAP_peak+_279	RTS_R4+_259	793974		ybhT
MU-304	794308	796733	RNAP_peak+_280	RTS_R4+_260	794219;794285	pORF+_794312;pORF+_795777	modA-modB-modC
MU-305	797533	797708	RNAP_peak+_281	RTS_R4+_261	797506		NT
MU-306	797733	798808	RNAP_peak+_282	RTS_R4+_262	797668;797674;797680;79778	pORF+_797809	pgl
MU-307	799982	804987					ybhH-ybhI-ybhJ
MU-308	808504	812306	RNAP_peak+_283	RTS_R4+_263	808524;808533	pORF+_808567;pORF+_809604;pORF+_811487	bioB-bioF-bioC-bioD
MU-309	812531	814913	RNAP_peak+_284	RTS_R4+_264	812660	pORF+_812749	uvrB
MU-310	816090	817240	RNAP_peak+_285	RTS_R4+_265	816050;816137	pORF+_816186	moaA
MU-311	817265	819040	RNAP_peak+_286	RTS_R4+_266	817199;817207;817223;817235	pORF+_817278;pORF+_817793;pORF+_818208;pORF+_818518	moaB-moaC-moaD-moaE
MU-312	819115	819815	RNAP_peak+_287	RTS_R4+_267	819081;819090		ybhL
MU-313	820016	820729					ybhM
MU-314	820790	820890	RNAP_peak+_288	RTS_R4+_268			NT
MU-315	823865	824390	RNAP_peak+_289	RTS_R4+_269	823826		ybhQ
MU-316	830040	831590	RNAP_peak+_290	RTS_R4+_270	830008	pORF+_830095	rhIE
MU-317	832290	834290	RNAP_peak+_291	RTS_R4+_271	832266;832278		dinG
MU-318	834390	835421	RNAP_peak+_292	RTS_R4+_272	834346;834393;834404	pORF+_834471	ybiB
MU-319	835571	836821	RNAP_peak+_293	RTS_R4+_273	835541	pORF+_835574	ybiC
MU-320	837821	838296	RNAP_peak+_294	RTS_R4+_274	837896		NT
MU-321	841546	842446	RNAP_peak+_295	RTS_R4+_275	841376;841479;841538	pORF+_841474	rlmF
MU-322	849322	850197	RNAP_peak+_296	RTS_R4+_276	849434;849446;849536;849610;849622;849628;849640;849646	pORF+_849667	ompX
MU-323	851894	852163					yliL
MU-324	852322	854047	RNAP_peak+_297	RTS_R4+_277	852360	pORF+_852406	mntR-ybiR
MU-325	855122	856847	RNAP_peak+_298	RTS_R4+_278	855156	pORF+_855186	ybiT
MU-326	859172	859675	RNAP_peak+_299	RTS_R4+_279	859050;859134		NT
MU-327	862900	863500	RNAP_peak+_300	RTS_R4+_280	862837	pORF+_862793	fsaA
MU-328	865750	870750	RNAP_peak+_301	RTS_R4+_281	865760	pORF+_865791;pORF+_866635;pORF+_868367;pORF+_870190	iaaA-gsiA-gsiB-gsiC
MU-329	870800	872000	RNAP_peak+_302	RTS_R4+_282	870904;870945	pORF+_871113	gsiD
MU-330	872150	875975	RNAP_peak+_303	RTS_R4+_283	872121;872128;872170;872180	pORF+_872124;pORF+_874558	ylIE-ylIF
MU-331	877350	877850	RNAP_peak+_304	RTS_R4+_284	877440		bssR
MU-332	877900	878950	RNAP_peak+_305	RTS_R4+_285	877945		ylII

MU-333	879860	881135 RNAP_peak_+_306	RTS_R4_+_286	879841;879851;879858;87986	pORF_+_879929	dacC
MU-334	882810	884435 RNAP_peak_+_307	RTS_R4_+_287	882793;882872		cmr
MU-335	886685	887185 RNAP_peak_+_308	RTS_R4_+_288	886624		ybjK
MU-336	889154	889604 RNAP_peak_+_309	RTS_R4_+_289	889111		ybjM
MU-337	890129	891229 RNAP_peak_+_310	RTS_R4_+_290	890086	pORF_+_890407	ybjC-nfsA
MU-338	891279	892029 RNAP_peak_+_311	RTS_R4_+_291	891082	pORF_+_891190	rimK
MU-339	892104	892629 RNAP_peak_+_312	RTS_R4_+_292	892149		ybjN
MU-340	892879	897107 RNAP_peak_+_313	RTS_R4_+_293	892867	pORF_+_892857;pORF_+_894133	potF-potG-potH-potI
MU-341	897232	897657 RNAP_peak_+_314	RTS_R4_+_294			ybjO
MU-342	897707	898957 RNAP_peak_+_315	RTS_R4_+_295	897617	pORF_+_897741	rumB
MU-343	903757	905182 RNAP_peak_+_316	RTS_R4_+_296	903740;903746;903754;903762;903777;903793	pORF_+_903816;pORF_+_904136	ybjQ-amiD
MU-344	905282	905907 RNAP_peak_+_317	RTS_R4_+_297	905279		NT
MU-345	913958	914383 RNAP_peak_+_318	RTS_R4_+_298	913951		NT
MU-346	915583	917283 RNAP_peak_+_319	RTS_R4_+_299	915532	pORF_+_915696	ybjD
MU-347	918408	921085 RNAP_peak_+_320	RTS_R4_+_300	918360;918396	pORF_+_918431;pORF_+_919570	macA-macB
MU-348	921135	922060 RNAP_peak_+_321	RTS_R4_+_301	921139;921194		NT
MU-349	922085	924898 RNAP_peak_+_322	RTS_R4_+_302	922282;922314;922434	pORF_+_922472	clpS-clpA
MU-350	931584	932409 RNAP_peak_+_323	RTS_R4_+_303	931551;931654;931799	pORF_+_931764	lrp
MU-351	932434	936484 RNAP_peak_+_324	RTS_R4_+_304	932358;932404	pORF_+_932447	ftsK
MU-352	936509	938634 RNAP_peak_+_325	RTS_R4_+_305	936440;936511;936551	pORF_+_936592;pORF_+_937217	lolA-rarA
MU-353	938659	939934 RNAP_peak_+_326	RTS_R4_+_306	938576;938624;938645	pORF_+_938651	serS
MU-354	940084	943859 RNAP_peak_+_327	RTS_R4_+_307	940046;940082	pORF_+_940182;pORF_+_942637	dmsA-dmsB-dmsC
MU-355	945084	946059 RNAP_peak_+_328	RTS_R4_+_308	945064		ycaD
MU-356	946084	946234 RNAP_peak_+_329	RTS_R4_+_309	946043;946080		NT
MU-357	946452	947882 RNAP_peak_+_330				ycaM
MU-358	948909	949484 RNAP_peak_+_331	RTS_R4_+_310	948867	pORF_+_948891	ycaK
MU-359	955961	956786 RNAP_peak_+_332	RTS_R4_+_311	955897		ycaP
MU-360	956836	959336 RNAP_peak_+_333	RTS_R4_+_312	956802;956808	pORF_+_956876;pORF_+_958035	serC-aroA
MU-361	959636	960161 RNAP_peak_+_334	RTS_R4_+_313	959494	pORF_+_959463	ycaL
MU-362	960361	960911 RNAP_peak_+_335	RTS_R4_+_314	960303;960386;960408	pORF_+_960424	cmk
MU-363	960936	963011 RNAP_peak_+_336	RTS_R4_+_315	960944;961060;961116	pORF_+_961218	rpsA
MU-364	963036	963336 RNAP_peak_+_337	RTS_R4_+_316	962867	pORF_+_963051	ihfB
MU-365	963561	965037 RNAP_peak_+_338	RTS_R4_+_317	963495	pORF_+_963465	ycaI
MU-366	965837	969337 RNAP_peak_+_339	RTS_R4_+_318	965817	pORF_+_965844;pORF_+_967589	msbA-lpxK-ycaQ
MU-367	969887	970737 RNAP_peak_+_340	RTS_R4_+_319	969867	pORF_+_969896;pORF_+_970075	ycaR-kdsB
MU-368	970962	971887	RTS_R4_+_320	970942	pORF_+_970975	ycbJ

MU-369	972737	979937	RNAP_peak+_341	RTS_R4+_321	972720	pORF+_972748;pORF+_973542;pORF+_974818;pORF+_975549	smtA-mukF-mukE-mukB
MU-370	980187	982112	RNAP_peak+_342	RTS_R4+_322	980154;980247	pORF+_980270	ycbB
MU-371	982137	982837	RNAP_peak+_343	RTS_R4+_323	982054;982102		ycbK
MU-372	982862	983687	RNAP_peak+_344	RTS_R4+_324	982798	pORF+_982873	ycbL
MU-373	985188	985413	RNAP_peak+_345	RTS_R4+_325	985190		NT
MU-374	986467	986967	RNAP_peak+_346	RTS_R4+_326	986622		NT
MU-375	989717	992442	RNAP_peak+_347	RTS_R4+_327	989737;989749;989815	pORF+_989845	pepN
MU-376	997091	1003880	RNAP_peak+_348				ycbQ-ycbR-ycbS-ycbT-ycbU-ycbV-ycbF
MU-377	1003968	1004993	RNAP_peak+_349	RTS_R4+_328	1003961	pORF+_1003964	pyrD
MU-378	1005068	1005793	RNAP_peak+_350	RTS_R4+_329	1005076	pORF+_1005139	ycbW
MU-379	1006918	1010893	RNAP_peak+_351	RTS_R4+_330	1006895;1006926;1006929;1007025	pORF+_1007067;pORF+_1009187	rlmL-uup
MU-380	1010918	1014643	RNAP_peak+_352	RTS_R4+_331	1010883;1010988	pORF+_1012422;pORF+_1014119	pqiA-pqiB-ymbA
MU-381	1014793	1015293	RNAP_peak+_353	RTS_R4+_332	1014873;1014882;1014905	pORF+_1014938	rmf
MU-382	1017718	1018143	RNAP_peak+_354	RTS_R4+_333	1017682	pORF+_1017708	ycbG
MU-383	1019543	1020118	RNAP_peak+_355	RTS_R4+_334	1019566		NT
MU-384	1020368	1021018	RNAP_peak+_356	RTS_R4+_335	1020306		sxy
MU-385	1023693	1025743	RNAP_peak+_357	RTS_R4+_336	1023665	pORF+_1023601	helD
MU-386	1026993	1027661	RNAP_peak+_358	RTS_R4+_337	1027106;1027150	pORF+_1027088	yccU
MU-387	1029186	1029737	RNAP_peak+_359	RTS_R4+_338	1029195;1029201	pORF+_1029074	yccX
MU-388	1030712	1030787	RNAP_peak+_360	RTS_R4+_339	1030656		NT
MU-389	1031212	1036362	RNAP_peak+_361	RTS_R4+_340	1031208	pORF+_1031335;pORF+_1032477	hyaA-hyaB-hyaC-hyaD-hyaE-hyaF
MU-390	1036962	1039812	RNAP_peak+_362	RTS_R4+_341	1036930	pORF+_1036957	appC-appB-yccB
MU-391	1039862	1041237	RNAP_peak+_363	RTS_R4+_342	1039819	pORF+_1039810	appA
MU-392	1049037	1049937	RNAP_peak+_364	RTS_R4+_343	1049039		insA-insB
MU-393	1050684	1050896	RNAP_peak+_365		1050625	pORF+_1050684	cspG
MU-394	1051070	1051300	RNAP_peak+_366				ymcE
MU-395	1051237	1051562	RNAP_peak+_367	RTS_R4+_344	1051218	pORF+_1051290	gnsA
MU-396	1055512	1056287	RNAP_peak+_368	RTS_R4+_345			torT
MU-397	1057487	1059787	RNAP_peak+_369	RTS_R4+_346	1057130	pORF+_1057259;pORF+_1058479	torC-torA
MU-398	1060837	1061362	RNAP_peak+_370	RTS_R4+_347	1060747		torD
MU-399	1063259	1064515	RNAP_peak+_371		1063246		yccE
MU-400	1064812	1066037	RNAP_peak+_372	RTS_R4+_348	1064782	pORF+_1064784	agp
MU-401	1067262	1067687	RNAP_peak+_373	RTS_R4+_349	1067262		ymdF
MU-402	1073387	1074087	RNAP_peak+_374	RTS_R4+_350	1073321;1073443	pORF+_1073438	rutR
MU-403	1078312	1080287	RNAP_peak+_375	RTS_R4+_351	1078392;1078447;1078512	pORF+_1078528	putP
MU-404	1080537	1083912	RNAP_peak+_376	RTS_R4+_352	1080520;1080533	pORF+_1081466;pORF+_1082599	efeU-efeO-efeB
MU-405	1084187	1085287	RNAP_peak+_377	RTS_R4+_353	1084120;1084166	pORF+_1084215	phoH
MU-406	1092112	1093162	RNAP_peak+_378	RTS_R4+_354	1092062;1092067		yccT

MU-407	1093412	1093887	RNAP_peak+_379	RTS_R4+_355	1093229		NT
MU-408	1094728	1095069	RNAP_peak+_380			pORF+_1094710	ymdE
MU-409	1095066	1096052	RNAP_peak+_381				ycdU
MU-410	1097012	1098162	RNAP_peak+_382	RTS_R4+_356	1096981;1096990;1097010;1097049;1097057	pORF+_1097070	ghrA
MU-411	1098187	1099412	RNAP_peak+_383	RTS_R4+_357	1098081	pORF+_1098102;pORF+_1098863	ycdX-ycdY
MU-412	1099462	1099987	RNAP_peak+_384	RTS_R4+_358	1099336;1099405		ycdZ
MU-413	1103174	1104948	RNAP_peak+_385				csgB-csgA-csgC-ymdA
MU-414	1103590	1104015	RNAP_peak+_386	RTS_R4+_359	1103559		csgA
MU-415	1105040	1107190	RNAP_peak+_387	RTS_R4+_360	1105020	pORF+_1105043;pORF+_1105509	ymdB-ymdC
MU-416	1108465	1112740	RNAP_peak+_388	RTS_R4+_361	1108478;1108501	pORF+_1108540;pORF+_1100056	mdoG-mdoH
MU-417	1112802	1113029	RNAP_peak+_389				yceK
MU-418	1116015	1117065	RNAP_peak+_390	RTS_R4+_362	1115959;1115994	pORF+_1115976	yceA
MU-419	1124722	1126947	RNAP_peak+_391	RTS_R4+_363	1124698;1124706	pORF+_1124785;pORF+_1125380;pORF+_1125996	rimJ-yceH-yceM
MU-420	1127047	1128573	RNAP_peak+_392	RTS_R4+_364	1127058	pORF+_1127023	yceN
MU-421	1130241	1133780	RNAP_peak+_393		1130215;1130271	pORF+_1131797;pORF+_1133025	flgB-flgC-flgD-flgE-flgF
MU-422	1133952	1137535	RNAP_peak+_394		1133923	pORF+_1134772;pORF+_1135494	flgG-flgH-flgI-flgJ
MU-423	1137628	1140103	RNAP_peak+_395	RTS_R4+_365	1137576	pORF+_1137601;pORF+_1139256	flgK-flgL
MU-424	1143725	1144045	RNAP_peak+_396				yceQ
MU-425	1144129	1145104	RNAP_peak+_397	RTS_R4+_366	1144163	pORF+_1144163	rhuC
MU-426	1145829	1145904	RNAP_peak+_398	RTS_R4+_367	1145813		psrD
MU-427	1145929	1146604	RNAP_peak+_399	RTS_R4+_368	1145871;1145942;1146015	pORF+_1146017	yceD-rpmF
MU-428	1146629	1146854	RNAP_peak+_400	RTS_R4+_369	1146523;1146530;1146538;1146573	pORF+_1146590	rpmF-plsX
MU-429	1146879	1147629	RNAP_peak+_401	RTS_R4+_370	1146994	pORF+_1146844	rpmF-plsX
MU-430	1147654	1150755	RNAP_peak+_402	RTS_R4+_371	1147191;1147299;1147410	pORF+_1147982;pORF+_1148951;pORF+_1149893	fabH-fabD-fabG
MU-431	1150780	1151080	RNAP_peak+_403	RTS_R4+_372	1150734;1150759;1150772;1150783;1150791;1150799;1150828	pORF+_1150838	acpP
MU-432	1151105	1152380	RNAP_peak+_404	RTS_R4+_373	1151079;1151133	pORF+_1151162	fabF
MU-433	1152530	1154180	RNAP_peak+_405	RTS_R4+_374	1152502	pORF+_1153335	pabC-yceG
MU-434	1154230	1156780	RNAP_peak+_406	RTS_R4+_375	1154242;1154281	pORF+_1154347;pORF+_1154985;pORF+_1155940	tmk-holB-ycfH
MU-435	1156805	1158530	RNAP_peak+_407	RTS_R4+_376	1156852;1156960;1156971;1156977;1156990	pORF+_1157092	ptsG
MU-436	1161055	1163030	RNAP_peak+_408	RTS_R4+_377	1161048;1161078;1161086	pORF+_1161090;pORF+_1161470;pORF+_1161858	hinT-ycfL-ycfM-thiK
MU-437	1163055	1164255	RNAP_peak+_409	RTS_R4+_378	1163108;1163203	pORF+_1163318	nagZ

MU-438	1164280	1164905	RNAP_peak_+_410	RTS_R4_+_379	1164238	pORF_+_1164309	ycfP
MU-439	1165305	1166605	RNAP_peak_+_411	RTS_R4_+_380	1165249;1165275	pORF_+_1165281	ndh
MU-440	1166830	1167355	RNAP_peak_+_412	RTS_R4_+_381	1166736		ycfJ
MU-441	1168180	1168580	RNAP_peak_+_413	RTS_R4_+_382	1168242	pORF_+_1168296	bhsA
MU-442	1174655	1177180	RNAP_peak_+_414	RTS_R4_+_383	1174623	pORF_+_1175701;pORF_+_1176543	lolC-lolD-lolE
MU-443	1177205	1179705	RNAP_peak_+_415	RTS_R4_+_384	1177461;1177640	pORF_+_1177756;pORF_+_1178743	nagK-cobB
MU-444	1184987	1186362	RNAP_peak_+_416	RTS_R4_+_385	1184963;1185028;1185046	pORF_+_1185025	pepT
MU-445	1194216	1195901	RNAP_peak_+_417	RTS_R4_+_386	1194184;1194193;1194231;1194325;1194242	pORF_+_1194346	icd
MU-446	1195937	1196009	RNAP_peak_+_418				C0293
MU-447	1197826	1198526	RNAP_peak_+_419	RTS_R4_+_387	1197892		lit
MU-448	1200701	1201026	RNAP_peak_+_420	RTS_R4_+_388	1200691		ymfI
MU-449	1202247	1206720	RNAP_peak_+_421		1202232	pORF_+_1205315;pORF_+_1206136	ymfT-ymfL-ymfM-ymfN-ymfR-ymfO-ymfP-ymfQ
MU-450	1206724	1207768	RNAP_peak_+_422				ycfK-ymfS
MU-451	1208908	1209462	RNAP_peak_+_423				pinE
MU-452	1209569	1210402	RNAP_peak_+_424		1209545		mcrA
MU-453	1210668	1210793	RNAP_peak_+_425	RTS_R4_+_389	1210545	pORF_+_1210636	icdC
MU-454	1214994	1216319	RNAP_peak_+_426	RTS_R4_+_390	1214975;1214994	pORF_+_1215291;pORF_+_1215592	ycgZ-ymgA-ariR-ymgC
MU-455	1216519	1217094	RNAP_peak_+_427	RTS_R4_+_391	1216355		ycgG
MU-456	1218206	1218424	RNAP_peak_+_428				ymgF
MU-457	1219019	1219569	RNAP_peak_+_429	RTS_R4_+_392	1218588		ycgH
MU-458	1219919	1221419	RNAP_peak_+_430	RTS_R4_+_393	1219841		NT
MU-459	1222487	1222672	RNAP_peak_+_431				ymgJ
MU-460	1222844	1223094	RNAP_peak_+_432	RTS_R4_+_394	1223002		ycgI
MU-461	1225744	1226595	RNAP_peak_+_433	RTS_R4_+_395	1225704	pORF_+_1225823	ycgJ
MU-462	1226695	1227945	RNAP_peak_+_434	RTS_R4_+_396	1226908	pORF_+_1226904;pORF_+_1227302	ycgL-ycgM
MU-463	1227970	1228545	RNAP_peak_+_435	RTS_R4_+_397	1227925;1228020;1228027		ycgN
MU-464	1229920	1232345	RNAP_peak_+_436	RTS_R4_+_398	1230085	pORF_+_1230409	C0299-umuD-umuC
MU-465	1234145	1234870	RNAP_peak_+_437	RTS_R4_+_399	1234128;1234136	pORF_+_1234137	fadR
MU-466	1236770	1239220	RNAP_peak_+_438	RTS_R4_+_400	1236748;1236754;1236762	pORF_+_1236788;pORF_+_1238102	dadA-dadX
MU-467	1241270	1241770	RNAP_peak_+_439	RTS_R4_+_401	1241244		NT
MU-468	1242370	1243070	RNAP_peak_+_440	RTS_R4_+_402	1242351;1242388	pORF_+_1242289	emtA
MU-469	1243920	1244220	RNAP_peak_+_441	RTS_R4_+_403	1243901;1243934		ymgE
MU-470	1244270	1244649	RNAP_peak_+_442	RTS_R4_+_404			ycgY
MU-471	1250249	1252174	RNAP_peak_+_443	RTS_R4_+_405	1250212;1250224	pORF_+_1250280	dhaR
MU-472	1257924	1258624	RNAP_peak_+_444	RTS_R4_+_406	1257889;1257939;1257961;1257999	pORF_+_1258014	ychH
MU-473	1262849	1266299	RNAP_peak_+_445	RTS_R4_+_407	1262806;1262898	pORF_+_1262739;pORF_+_1264235;pORF_+_1265317	hemA-prfA-prmC-ychQ
MU-474	1266399	1267149	RNAP_peak_+_446	RTS_R4_+_408	1266404;1266413		ychA

MU-475	1267174	1268499	RNAP_peak+_447	RTS_R4+_409	1267041;1267079;1267253;1267259;1267374	pORF+_1267388	kdsA
MU-476	1268546	1268612	RNAP_peak+_448				rldA
MU-477	1269081	1269146	RNAP_peak+_449				rldB
MU-478	1269616	1269683	RNAP_peak+_450				rldC
MU-479	1271274	1271524	RNAP_peak+_451	RTS_R4+_410	1271318	pORF+_1271342	chaB
MU-480	1271549	1272524	RNAP_peak+_452	RTS_R4+_411	1271647;1271652		chaC
MU-481	1273000	1274300	RNAP_peak+_453	RTS_R4+_412	1272845;1272970;1272976		ychO
MU-482	1277200	1278675	RNAP_peak+_454	RTS_R4+_413			narK
MU-483	1279050	1284550	RNAP_peak+_455	RTS_R4+_414	1279048	pORF+_1279087;pORF+_1282139;pORF+_1282827;pORF+_1284362	narG-narH-narJ-narI
MU-484	1285932	1286207	RNAP_peak+_456				ychS
MU-485	1288250	1289350	RNAP_peak+_457	RTS_R4+_415	1288329;1288358	pORF+_1288429	rssA
MU-486	1289375	1290600	RNAP_peak+_458	RTS_R4+_416	1289379;1289443	pORF+_1289465	rssB
MU-487	1290625	1291575	RNAP_peak+_459	RTS_R4+_417	1290544;1290550;1290557;1290562;1290568;1290586;1290629;1290637;1290644;1290649;1290675	pORF+_1290680	galU
MU-488	1292750	1293375	RNAP_peak+_460	RTS_R4+_418	1292716	pORF+_1292750	tdk
MU-489	1297825	1298325	RNAP_peak+_461	RTS_R4+_419	1297634		ychE
MU-490	1298726	1299001	RNAP_peak+_462	RTS_R4+_420	1298695		NT
MU-491	1299026	1301101	RNAP_peak+_463	RTS_R4+_421	1299035;1299087;1299100;1299154	pORF+_1299134	oppA
MU-492	1301126	1304726	RNAP_peak+_464	RTS_R4+_422	1301158;1301186	pORF+_1300923;pORF+_1302778;pORF+_1303788	oppB-oppC-oppD-oppF
MU-493	1306751	1307101	RNAP_peak+_465	RTS_R4+_423	1306787		yciY
MU-494	1309101	1309826	RNAP_peak+_466	RTS_R4+_424	1309082;1309102	pORF+_1309062	tonB
MU-495	1312001	1312676	RNAP_peak+_467	RTS_R4+_425	1312015	pORF+_1312044	ompW
MU-496	1321227	1321802	RNAP_peak+_468	RTS_R4+_426	1321212		trpH
MU-497	1321827	1322877	RNAP_peak+_469	RTS_R4+_427	1321789	pORF+_1322086	yciO
MU-498	1323252	1324102	RNAP_peak+_470	RTS_R4+_428			yciQ
MU-499	1324352	1324677	RNAP_peak+_471	RTS_R4+_429	1324321		NT
MU-500	1324727	1325752	RNAP_peak+_472	RTS_R4+_430	1324784;1324836	pORF+_1324876	rhuB
MU-501	1327352	1328377	RNAP_peak+_473	RTS_R4+_431	1327326	pORF+_1327356	sohB
MU-502	1328827	1331652	RNAP_peak+_474	RTS_R4+_432	1328821;1328843;1328907;1329004	pORF+_1329030	topA
MU-503	1331813	1332813	RNAP_peak+_475	RTS_R4+_433	1331785;1331795;1331804	pORF+_1331879	cysB
MU-504	1333138	1333613	RNAP_peak+_476	RTS_R4+_434	1333102;1333114;1333123		ymiA-yciX
MU-505	1333763	1333913	RNAP_peak+_477	RTS_R4+_435	1333453;1333805	pORF+_1333855	acnA
MU-506	1337363	1337938	RNAP_peak+_478	RTS_R4+_436	1337333;1337396		pgpB
MU-507	1337963	1339738	RNAP_peak+_479	RTS_R4+_437	1338115;1338159	pORF+_1338267;pORF+_1338582	yciS-yciM
MU-508	1339813	1341013	RNAP_peak+_480	RTS_R4+_438	1339893;1339903	pORF+_1339885;pORF+_1340679	pyrF-yciH

MU-509	1359115	1364740	RNAP_peak+_481	RTS_R4+_439	1359076;1359085;1359092;1359119	pORF+_1359132;pORF+_1359935;pORF+_1360671;pORF+_1362256;pORF+_1363574	puuD-puuR-puuC-puuB-puuE
MU-510	1366090	1367665	RNAP_peak+_482	RTS_R4+_440	1366062;1366071	pORF+_1366103;pORF+_1366825	pspA-pspB-pspC-pspD
MU-511	1367715	1367965	RNAP_peak+_483	RTS_R4+_441	1367686	pORF+_1367713	pspE
MU-512	1368590	1377965		RTS_R4+_442		pORF+_1368213;pORF+_1369933;pORF+_1374856	ycjM-ycjN-ycjO-ycjP-ycjQ-ycjR-ycjS-ycjT-ycjU-ycjV-ompG
MU-513	1382016	1384641	RNAP_peak+_484	RTS_R4+_443	1382094;1382105	pORF+_1382141;pORF+_1383535	ycjX-ycjF
MU-514	1384691	1386841	RNAP_peak+_485	RTS_R4+_444	1384715;1384723	pORF+_1384717	tyrR
MU-515	1386866	1388066	RNAP_peak+_486	RTS_R4+_445	1386892	pORF+_1386912	ycjG
MU-516	1390016	1390741	RNAP_peak+_487	RTS_R4+_446	1389971		ycjZ
MU-517	1391016	1392666	RNAP_peak+_488	RTS_R4+_447	1390986	pORF+_1391230	mppA
MU-518	1394091	1395266	RNAP_peak+_489	RTS_R4+_448	1393945	pORF+_1394100	insH
MU-519	1395391	1395841	RNAP_peak+_490	RTS_R4+_449	1395353;1395364		ynaJ
MU-520	1402717	1403792	RNAP_peak+_491	RTS_R4+_450	1402725		abgR
MU-521	1403942	1404742	RNAP_peak+_492	RTS_R4+_451	1403917;1403980	pORF+_1404003	ydaL
MU-522	1406017	1406542	RNAP_peak+_493	RTS_R4+_452	1406048	pORF+_1406074	ydaN
MU-523	1406617	1407117	RNAP_peak+_494	RTS_R4+_453	1406499		NT
MU-524	1407167	1407242	RNAP_peak+_495	RTS_R4+_454	1407153		NT
MU-525	1407317	1408742	RNAP_peak+_496	RTS_R4+_455	1407307		C0343-dbpA
MU-526	1416695	1417183	RNAP_peak+_497		1416670		sieB
MU-527	1418389	1421609	RNAP_peak+_498		1418251		ydaS-ydaT-ydaU-ydaV-ydaW-rzpR-rzoR
MU-528	1421786	1423312	RNAP_peak+_499	RTS_R4+_456	1421735		trkG
MU-529	1423401	1424106	RNAP_peak+_500			pORF+_1423838	ynaK-ydaY
MU-530	1424478	1425622	RNAP_peak+_501			pORF+_1425482	ynaA-lomR
MU-531	1427212	1428987	RNAP_peak+_502	RTS_R4+_457		pORF+_1425482;pORF+_1427067	lomR-stfR-tfaR
MU-532	1429137	1430837	RNAP_peak+_503	RTS_R4+_458	1429174		NT
MU-533	1431137	1431487	RNAP_peak+_504	RTS_R4+_459	1431209		NT
MU-534	1432488	1433313	RNAP_peak+_505	RTS_R4+_460	1432540		NT
MU-535	1435188	1435288	RNAP_peak+_506	RTS_R4+_461	1435014		micC
MU-536	1439063	1439638	RNAP_peak+_507	RTS_R4+_462	1439047		ydbJ
MU-537	1441063	1443063	RNAP_peak+_508	RTS_R4+_463	1441032;1441046		ydbH
MU-538	1443338	1444238	RNAP_peak+_509	RTS_R4+_464	1443593		ynbE-ydbL
MU-539	1445438	1447063	RNAP_peak+_510	RTS_R4+_465	1445367	pORF+_1445540	feaB
MU-540	1451951	1458917				pORF+_1456982	paaA-paaB-paaC-paaD-paaE-paaF-paaG-paaH-paaI
MU-541	1459463	1460138		RTS_R4+_466	1459465	pORF+_1458917	paaJ
MU-542	1460388	1460988	RNAP_peak+_511	RTS_R4+_467	1460199		paaK
MU-543	1461563	1463138	RNAP_peak+_512	RTS_R4+_468	1461534	pORF+_1461563;pORF+_1462495	paaX-paaY
MU-544	1464188	1465863	RNAP_peak+_513	RTS_R4+_469		pORF+_1463416	ydbA
MU-545	1465913	1466163	RNAP_peak+_514	RTS_R4+_470	1465734;1465893		NT

MU-546	1467238	1469113	RNAP_peak_+_515	RTS_R4_+_471	1467293		ydbA-insI-ydbA
MU-547	1469163	1472038	RNAP_peak_+_516	RTS_R4_+_472	1468976;1469073;1469159	pORF_+_1463416	ydbA
MU-548	1472238	1472913		RTS_R4_+_473	1472213	pORF_+_1472245	ydbC
MU-549	1473168	1475474	RNAP_peak_+_517			pORF_+_1473162	ydbD
MU-550	1475645	1480225	RNAP_peak_+_518				ynbA-ynbB-ynbC-ynbD
MU-551	1481072	1484999	RNAP_peak_+_519	RTS_R4_+_474	1481038	pORF_+_1481085	hrpA
MU-552	1485217	1486017	RNAP_peak_+_520	RTS_R4_+_475	1485191;1485228	pORF_+_1485259	ydcF
MU-553	1486242	1488067		RTS_R4_+_476	1486215	pORF_+_1486256	aldA
MU-554	1488942	1489617	RNAP_peak_+_521	RTS_R4_+_477	1488899		cybB
MU-555	1489667	1489967	RNAP_peak_+_522	RTS_R4_+_478	1489467		ydcA
MU-556	1490143	1490198	RNAP_peak_+_523		1489838		sokB
MU-557	1490442	1492142	RNAP_peak_+_524	RTS_R4_+_479	1490461	pORF_+_1490494	trg
MU-558	1493242	1494267	RNAP_peak_+_525	RTS_R4_+_480	1493185	pORF_+_1493312	ydcJ
MU-559	1494817	1496527	RNAP_peak_+_526	RTS_R4_+_481	1494803	pORF_+_1494880	mdoD
MU-560	1496652	1496902	RNAP_peak_+_527	RTS_R4_+_482			ydcH
MU-561	1496952	1497477	RNAP_peak_+_528	RTS_R4_+_483	1496788	pORF_+_1496947	rimL
MU-562	1498477	1500352	RNAP_peak_+_529	RTS_R4_+_484	1498559	pORF_+_1499586	tehA-tehB
MU-563	1500427	1501355	RNAP_peak_+_530	RTS_R4_+_485	1500452	pORF_+_1500481	ydcL
MU-564	1501530	1502880	RNAP_peak_+_531	RTS_R4_+_486	1501681		ydcM
MU-565	1503982	1504057		RTS_R4_+_487	1503923		NT
MU-566	1504207	1506832	RNAP_peak_+_532	RTS_R4_+_488	1504343	pORF_+_1504763	ydcN-ydcP
MU-567	1507307	1507957	RNAP_peak_+_533	RTS_R4_+_489	1507299		yncN-ydcQ
MU-568	1508007	1509213	RNAP_peak_+_534	RTS_R4_+_490	1508002		ydcR
MU-569	1509543	1512500	RNAP_peak_+_535	RTS_R4_+_491	1509620;1509628	pORF_+_1509678;pORF_+_1510841	ydcS-ydcT-ydcU
MU-570	1512525	1515050	RNAP_peak_+_536	RTS_R4_+_492	1512672	pORF_+_1513602	ydcV-ydcW
MU-571	1515400	1515575	RNAP_peak_+_537	RTS_R4_+_493	1515286;1515384		ydcX
MU-572	1515600	1516350	RNAP_peak_+_538	RTS_R4_+_494	1515636	pORF_+_1515672	ydcY
MU-573	1517050	1518225	RNAP_peak_+_539	RTS_R4_+_495	1517023	pORF_+_1516958	yncB
MU-574	1518275	1518875	RNAP_peak_+_540	RTS_R4_+_496	1518295;1518318	pORF_+_1518229	yncC
MU-575	1521275	1522450	RNAP_peak_+_541	RTS_R4_+_497	1521251;1521288	pORF_+_1521331	yncE
MU-576	1524225	1524750	RNAP_peak_+_542	RTS_R4_+_498	1524249		yncG
MU-577	1524964	1525176	RNAP_peak_+_543			pORF_+_1524964	yncH
MU-578	1526225	1526875		RTS_R4_+_499			rhsE
MU-579	1528256	1528431	RNAP_peak_+_544	RTS_R4_+_500			ydcD
MU-580	1528610	1530976	RNAP_peak_+_545		1528575		yncI-ydcC
MU-581	1530906	1531381	RNAP_peak_+_546	RTS_R4_+_501	1531009;1531017;1531054	pORF_+_1531037	pptA
MU-582	1532056	1532881	RNAP_peak_+_547	RTS_R4_+_502	1532024		nhoA
MU-583	1545417	1548217	RNAP_peak_+_548	RTS_R4_+_503	1545331	pORF_+_1545425;pORF_+_1546061	fdnG-fdnH-fdnI-C0362
MU-584	1550025	1550410	RNAP_peak_+_549				C0362
MU-585	1554542	1555192	RNAP_peak_+_550	RTS_R4_+_504	1554623;1554633	pORF_+_1554649	osmC
MU-586	1590462	1590637	RNAP_peak_+_551	RTS_R4_+_505	1590454;1590496		NT
MU-587	1601212	1603887		RTS_R4_+_506		pORF_+_1599514;pORF_+_1602071;pORF_+_1603075	lsrA-lsrC-lsrD-lsrB



MU-588	1604162	1605262	RNAP_peak+_552	RTS_R4+_507	1604091	pORF+_1604124;pORF+_1605023	IsrF-IsrG
MU-589	1605362	1606412	RNAP_peak+_553	RTS_R4+_508	1605347	pORF+_1605370	tam
MU-590	1609962	1610212	RNAP_peak+_554	RTS_R4+_509			NT
MU-591	1612687	1613462	RNAP_peak+_555	RTS_R4+_510	1612804		yneJ
MU-592	1613787	1614902	RNAP_peak+_556				yneK
MU-593	1615037	1616212	RNAP_peak+_557	RTS_R4+_511	1615019;1615025		ydeA
MU-594	1617162	1618212	RNAP_peak+_558	RTS_R4+_512	1617117		marR-marA-marB
MU-595	1619362	1620487	RNAP_peak+_559	RTS_R4+_513	1619451		ydeE
MU-596	1620587	1620837	RNAP_peak+_560	RTS_R4+_514	1620611;1620623;1620630		yneM
MU-597	1622612	1623162	RNAP_peak+_561	RTS_R4+_515	1622714;1622754;1622768		ydeJ
MU-598	1625487	1626287	RNAP_peak+_562	RTS_R4+_516	1625515;1625525	pORF+_1625526	ydfG
MU-599	1626337	1627037	RNAP_peak+_563	RTS_R4+_517	1626350	pORF+_1626376	ydfH
MU-600	1627212	1627612	RNAP_peak+_564	RTS_R4+_518	1627192	pORF+_1627239	ydfZ
MU-601	1629462	1629787	RNAP_peak+_565	RTS_R4+_519			NT
MU-602	1630762	1631187	RNAP_peak+_566	RTS_R4+_520	1630662		ydfK
MU-603	1631646	1632236	RNAP_peak+_567			pORF+_1631646	pinQ
MU-604	1634780	1635481	RNAP_peak+_568				ynfO-ydfO
MU-605	1639879	1640091	RNAP_peak+_569			pORF+_1639879	cspF
MU-606	1640137	1640362	RNAP_peak+_570	RTS_R4+_521	1640110		NT
MU-607	1644090	1644315	RNAP_peak+_571	RTS_R4+_522	1644252		ydfV
MU-608	1644390	1644690	RNAP_peak+_572	RTS_R4+_523	1644356;1644385;1644410		flxA
MU-609	1645990	1646340	RNAP_peak+_573	RTS_R4+_524	1645955;1645971	pORF+_1645958	dicA
MU-610	1646540	1646840	RNAP_peak+_574	RTS_R4+_525	1646462		ydfA-ydfB-rzpQ
MU-611	1647240	1647415	RNAP_peak+_575	RTS_R4+_526	1647206;1647275		dicF
MU-612	1647633	1648009					dicB-ydfD
MU-613	1648102	1648866					ydfE
MU-614	1648890	1650165		RTS_R4+_527			insD
MU-615	1649575	1650732					intQ
MU-616	1653745	1654770	RNAP_peak+_576	RTS_R4+_528	1653746;1653808	pORF+_1653832;pORF+_1654208	ynfB-speG
MU-617	1655595	1655945	RNAP_peak+_577	RTS_R4+_529	1655563;1655569	pORF+_1655547	ynfD
MU-618	1656095	1657370	RNAP_peak+_578	RTS_R4+_530	1656059;1656061	pORF+_1656093	ynfE
MU-619	1657495	1659645	RNAP_peak+_579	RTS_R4+_531	1657572;1657638	pORF+_1658577	ynfF
MU-620	1659745	1661445	RNAP_peak+_580	RTS_R4+_532	1659685	pORF+_1661014	ynfG
MU-621	1661620	1663220	RNAP_peak+_581	RTS_R4+_533	1661476;1661746	pORF+_1662521	ynfH-dmsD
MU-622	1663320	1663970	RNAP_peak+_582	RTS_R4+_534	1663316;1663319		clcB
MU-623	1667720	1669045	RNAP_peak+_583	RTS_R4+_535	1667686;1667781		ynfM
MU-624	1669370	1669670	RNAP_peak+_584	RTS_R4+_536	1669351	pORF+_1669373	asr
MU-625	1669801	1669884	RNAP_peak+_585				ydgU
MU-626	1669970	1670970	RNAP_peak+_586	RTS_R4+_537	1669940	pORF+_1669984	ydgD
MU-627	1671945	1672870	RNAP_peak+_587	RTS_R4+_538	1671914		tqsA
MU-628	1676295	1678345	RNAP_peak+_588	RTS_R4+_539	1676332;1676394;1676402	pORF+_1676451	ydgH-ydgI
MU-629	1678795	1679795	RNAP_peak+_589	RTS_R4+_540	1678643;1678869		foIM
MU-630	1680195	1682220	RNAP_peak+_590	RTS_R4+_541	1680159;1680160	pORF+_1680123;pORF+_1680906	rstA-rstB

MU-631	1682270	1683445	RNAP_peak+_591	RTS_R4+_542	1682257	pORF+_1682271	tus
MU-632	1686595	1687720	RNAP_peak+_592	RTS_R4+_543	1686569;1686575	pORF+_1686522	manA
MU-633	1687845	1689545	RNAP_peak+_593	RTS_R4+_544	1687818	pORF+_1687876	ydgA
MU-634	1697346	1698871	RNAP_peak+_594	RTS_R4+_545	1697338;1697348	pORF+_1697016	malX
MU-635	1698921	1700121	RNAP_peak+_595	RTS_R4+_546	1698864	pORF+_1698981	malY
MU-636	1700246	1701121	RNAP_peak+_596	RTS_R4+_547	1700228	pORF+_1700257	add
MU-637	1702171	1702196		RTS_R4+_548	1702086		NT
MU-638	1702571	1702921	RNAP_peak+_597	RTS_R4+_549	1702412;1702536		blr
MU-639	1702971	1703046	RNAP_peak+_598	RTS_R4+_550	1702879		cnu
MU-640	1703096	1703671	RNAP_peak+_599	RTS_R4+_551	1703230		ydgK
MU-641	1703746	1710096	RNAP_peak+_600	RTS_R4+_552		pORF+_1704943;pORF+_1707166;pORF+_1708228;pORF+_1709547	rsxA-rsxB-rsxC-rsxD-rsxG-rsxE-nth
MU-642	1710796	1712296	RNAP_peak+_601	RTS_R4+_553	1710713	pORF+_1710793	tppB
MU-643	1712396	1713246	RNAP_peak+_602	RTS_R4+_554	1712376	pORF+_1712401	gst
MU-644	1717796	1718721	RNAP_peak+_603	RTS_R4+_555	1717775;1717783;1717794;1717801;1717842;1717855;1717893	pORF+_1717900	slyB
MU-645	1718796	1722046	RNAP_peak+_604	RTS_R4+_556	1718960;1719022	pORF+_1720145	ydhI-ydhJ-ydhK
MU-646	1724071	1725771	RNAP_peak+_605	RTS_R4+_557	1724047;1724064	pORF+_1724683	ydhM-nemA
MU-647	1725846	1726265	RNAP_peak+_606	RTS_R4+_558	1725785;1725824;1725833	pORF+_1725861	gloA
MU-648	1726365	1731490	RNAP_peak+_607	RTS_R4+_559	1726343	pORF+_1726371	rnt-lhr
MU-649	1732440	1733215	RNAP_peak+_608	RTS_R4+_560	1732405		ydhO
MU-650	1733365	1734090	RNAP_peak+_609	RTS_R4+_561	1733349;1733362;1733380	pORF+_1733402	sodB
MU-651	1735740	1736990	RNAP_peak+_610	RTS_R4+_562	1735712;1735720	pORF+_1735868	purR
MU-652	1737990	1738890	RNAP_peak+_611	RTS_R4+_563	1737904		ydhC
MU-653	1739240	1740565	RNAP_peak+_612	RTS_R4+_564	1739225;1739338;1739404	pORF+_1739437	cfa
MU-654	1741415	1742840	RNAP_peak+_613	RTS_R4+_565	1741414	pORF+_1741481	mdtK
MU-655	1744465	1744665	RNAP_peak+_614	RTS_R4+_566	1744459		valV-valW
MU-656	1744715	1744990	RNAP_peak+_615	RTS_R4+_567	1744697	pORF+_1744724	ydhR
MU-657	1745165	1746840	RNAP_peak+_616	RTS_R4+_568	1745115	pORF+_1745155	ydhS
MU-658	1753390	1755140	RNAP_peak+_617	RTS_R4+_569	1753583;1753624;1753637;1753651;1753685;1753695;1753703	pORF+_1753506	pykF
MU-659	1755415	1755865	RNAP_peak+_618	RTS_R4+_570	1755407;1755419	pORF+_1755445	lpp
MU-660	1766895	1768145	RNAP_peak+_619	RTS_R4+_571	1766794	pORF+_1767098	ydiK
MU-661	1768396	1768501	RNAP_peak+_620		1768396		rprA
MU-662	1768645	1768845	RNAP_peak+_621	RTS_R4+_572			ydiL
MU-663	1769095	1770309					ydiM
MU-664	1770530	1772679				pORF+_1771813	ydiN-ydiB
MU-665	1772620	1773445		RTS_R4+_573	1772646	pORF+_1771813;pORF+_1772710	aroD
MU-666	1774045	1774945	RNAP_peak+_622	RTS_R4+_574			ydiF-ydiO
MU-667	1777641	1780998					ydiQ-ydiR-ydiS-ydiT
MU-668	1781055	1782701					fadK
MU-669	1785472	1786322	RNAP_peak+_623	RTS_R4+_575	1785439	pORF+_1785469	ydiA

MU-670	1786372	1787472	RNAP_peak+_624	RTS_R4+_576	1786345;1786408;1786444	pORF+_1786336	aroH
MU-671	1787647	1787772		RTS_R4+_577	1787609		ydiE
MU-672	1797297	1798022	RNAP_peak+_625	RTS_R4+_578	1797314		NT
MU-673	1801118	1803017	RNAP_peak+_626				arpB
MU-674	1803222	1803297	RNAP_peak+_627	RTS_R4+_579	1803158		yniD
MU-675	1804347	1805322	RNAP_peak+_628	RTS_R4+_580	1804346;1804376	pORF+_1804391	pfkB
MU-676	1805372	1805772	RNAP_peak+_629	RTS_R4+_581	1805399	pORF+_1805424	ydiZ
MU-677	1805797	1806722	RNAP_peak+_630	RTS_R4+_582	1805794	pORF+_1805820	yniA
MU-678	1807347	1808047	RNAP_peak+_631	RTS_R4+_583	1807303;1807313;1807348	pORF+_1807404	yniC
MU-679	1808247	1808597	RNAP_peak+_632	RTS_R4+_584			ydjM
MU-680	1808947	1810672	RNAP_peak+_633	RTS_R4+_585	1808906;1808938;1808943	pORF+_1808958	ydjN
MU-681	1811854	1814229	RNAP_peak+_634	RTS_R4+_586	1811839	pORF+_1811891	katE
MU-682	1820460	1821335	RNAP_peak+_635	RTS_R4+_587	1820452;1820460	pORF+_1820482	nadE
MU-683	1821435	1822310	RNAP_peak+_636	RTS_R4+_588	1821516		cho
MU-684	1830435	1831235	RNAP_peak+_637	RTS_R4+_589	1830423	pORF+_1830440	xthA
MU-685	1831385	1831960	RNAP_peak+_638	RTS_R4+_590	1831520		ydjX
MU-686	1831985	1833210	RNAP_peak+_639	RTS_R4+_591	1832010	pORF+_1831978	ydjY-ydjZ
MU-687	1833360	1838735	RNAP_peak+_640	RTS_R4+_592	1833171;1833341;1833483	pORF+_1833539;pORF+_1834094;pORF+_1837476	ynjA-ynjB-ynjC-ynjD-ynjE
MU-688	1839510	1839860	RNAP_peak+_641	RTS_R4+_593	1839484		nudG
MU-689	1840360	1841885	RNAP_peak+_642	RTS_R4+_594	1840289;1840332;1840340;1840347;1840356;1840362;1840370;1840385	pORF+_1840395	gdhA
MU-690	1846835	1848660	RNAP_peak+_643	RTS_R4+_595	1846816	pORF+_1846717	sppA
MU-691	1848885	1850535	RNAP_peak+_644	RTS_R4+_596	1848858	pORF+_1848884;pORF+_1849893	ansA-pncA
MU-692	1850810	1850885	RNAP_peak+_645	RTS_R4+_597			NT
MU-693	1860560	1861810	RNAP_peak+_646	RTS_R4+_598	1860550;1860641;1860750;1860759;1860764;1860768;1860775	pORF+_1860786	gapA
MU-694	1861860	1862710	RNAP_peak+_647	RTS_R4+_599	1861848	pORF+_1861853	yeaD
MU-695	1864793	1868243	RNAP_peak+_648	RTS_R4+_600	1864771	pORF+_1864932;pORF+_1866979	yeaG-yeaH
MU-696	1868409	1869884	RNAP_peak+_649				yeaI
MU-697	1869318	1869793	RNAP_peak+_650	RTS_R4+_601	1869267		NT
MU-698	1870018	1871418	RNAP_peak+_651	RTS_R4+_602	1870070		yeaJ
MU-699	1871568	1872093	RNAP_peak+_652	RTS_R4+_603	1871568	pORF+_1871598	yeaK
MU-700	1872143	1872693		RTS_R4+_604	1872376		yeaL
MU-701	1873697	1874878	RNAP_peak+_653		1873676		yeaN
MU-702	1874868	1875268	RNAP_peak+_654	RTS_R4+_605	1874890;1874905	pORF+_1874912	yeaO
MU-703	1875718	1876893	RNAP_peak+_655	RTS_R4+_606	1875691	pORF+_1875610	yeaP
MU-704	1880143	1880693	RNAP_peak+_656	RTS_R4+_607	1879856	pORF+_1879936	yeaU
MU-705	1881212	1884834	RNAP_peak+_657		1881168		yeaV-yeaW-yeaX
MU-706	1891343	1891743	RNAP_peak+_658	RTS_R4+_608	1891360;1891366;1891374	pORF+_1891343	yoaB
MU-707	1891918	1892468	RNAP_peak+_659	RTS_R4+_609	1892041	pORF+_1892097	yoaC

MU-708	1892793	1894770	RNAP_peak_+_660	RTS_R4_+_610	1892781	pORF_+_1892829;pORF_+_1894194	pabB-nudL
MU-709	1894820	1896370	RNAP_peak_+_661	RTS_R4_+_611	1894833	pORF_+_1894956	sdaA
MU-710	1896445	1898070	RNAP_peak_+_662	RTS_R4_+_612			yoaD
MU-711	1899920	1901145	RNAP_peak_+_663	RTS_R4_+_613	1899959;1900054	pORF_+_1900072	manX
MU-712	1901170	1902770	RNAP_peak_+_664	RTS_R4_+_614	1901068;1901076	pORF_+_1901106;pORF_+_1901910	manY-manZ
MU-713	1902820	1903195	RNAP_peak_+_665	RTS_R4_+_615	1902743		yobD
MU-714	1903595	1903995	RNAP_peak_+_666	RTS_R4_+_616	1903486		yebN
MU-715	1906195	1906520	RNAP_peak_+_667	RTS_R4_+_617	1906179		NT
MU-716	1906945	1907170	RNAP_peak_+_668	RTS_R4_+_618	1906925	pORF_+_1906949	yobH
MU-717	1908300	1909673	RNAP_peak_+_669				yebQ
MU-718	1914270	1915245	RNAP_peak_+_670	RTS_R4_+_619	1914178;1914258	pORF_+_1914282	yebS
MU-719	1915295	1918070	RNAP_peak_+_671	RTS_R4_+_620	1915436	pORF_+_1915492	yebT
MU-720	1918245	1919670	RNAP_peak_+_672	RTS_R4_+_621	1918223	pORF_+_1918241	rsmF
MU-721	1919770	1920045	RNAP_peak_+_673	RTS_R4_+_622	1919749	pORF_+_1919789	yebV
MU-722	1920096	1920471	RNAP_peak_+_674	RTS_R4_+_623	1920121		yebW
MU-723	1921071	1921321	RNAP_peak_+_675	RTS_R4_+_624	1921090		ryeA
MU-724	1923046	1923421	RNAP_peak_+_676	RTS_R4_+_625	1923112	pORF_+_1923045	holE
MU-725	1923446	1924246	RNAP_peak_+_677	RTS_R4_+_626	1923413		yobB
MU-726	1924271	1924771	RNAP_peak_+_678	RTS_R4_+_627	1924122		exoX
MU-727	1928921	1930096	RNAP_peak_+_679	RTS_R4_+_628	1928881	pORF_+_1928905	purT
MU-728	1934424	1935599	RNAP_peak_+_680	RTS_R4_+_629	1934613	pORF_+_1934676	yebK
MU-729	1935624	1937199	RNAP_peak_+_681	RTS_R4_+_630	1935526;1935566;1935571	pORF_+_1935532	pykA
MU-730	1940649	1942374	RNAP_peak_+_682	RTS_R4_+_631	1940581;1940614;1940625;1940658	pORF_+_1940686;pORF_+_1941438	znuC-znuB
MU-731	1944275	1944877	RNAP_peak_+_683		1944248		yebB
MU-732	1948824	1950124	RNAP_peak_+_684	RTS_R4_+_632	1948632;1948794	pORF_+_1948823;pORF_+_1949419	yecD-yecE
MU-733	1950274	1952474	RNAP_peak_+_685	RTS_R4_+_633	1950455	pORF_+_1950131;pORF_+_1950726;pORF_+_1951466	yecN-cmoA-cmoB
MU-734	1953649	1953874	RNAP_peak_+_686	RTS_R4_+_634	1953581		NT
MU-735	1958049	1959799	RNAP_peak_+_687	RTS_R4_+_635	1958029	pORF_+_1958086	argS
MU-736	1959996	1960484	RNAP_peak_+_688				yecT
MU-737	1970763	1970840	RNAP_peak_+_689				C0465
MU-738	1977349	1977424	RNAP_peak_+_690	RTS_R4_+_636	1977320		NT
MU-739	1977699	1978299	RNAP_peak_+_691	RTS_R4_+_637	1977744	pORF_+_1977777	uspC
MU-740	1980599	1980799	RNAP_peak_+_692	RTS_R4_+_638	1980567		NT
MU-741	1984802	1985427	RNAP_peak_+_693	RTS_R4_+_639	1984821		ftnB
MU-742	1986246	1986569	RNAP_peak_+_694				yecR
MU-743	1986727	1987227	RNAP_peak_+_695	RTS_R4_+_640	1986706;1986724	pORF_+_1986725	ftnA
MU-744	1987702	1988902	RNAP_peak_+_696	RTS_R4_+_641	1987667		tyrP
MU-745	1993830	1994030	RNAP_peak_+_697	RTS_R4_+_642	1993798;1993814	pORF_+_1993842	yecF
MU-746	1994905	1995130	RNAP_peak_+_698	RTS_R4_+_643	1994856		NT
MU-747	1998530	1998730	RNAP_peak_+_699	RTS_R4_+_644	1998511		NT
MU-748	2001896	2004102	RNAP_peak_+_700		2001860;2001866		fliD-fliS-fliT

MU-749	2004173	2005673	RNAP_peak+_701	RTS_R4+_645	2004156	pORF+_2004180	amyA
MU-750	2006298	2007723	RNAP_peak+_702	RTS_R4+_646	2006264	pORF+_2007503	yedE-yedF
MU-751	2007823	2008523	RNAP_peak+_703	RTS_R4+_647	2007826;2007831		yedK
MU-752	2008623	2009223	RNAP_peak+_704	RTS_R4+_648	2008610;2008621		yedL
MU-753	2010526	2010687	RNAP_peak+_705				intG
MU-754	2011723	2016823	RNAP_peak+_706	RTS_R4+_649	2011167	pORF+_2011253;pORF+_2012904;pORF+_2013871;pORF+_2014578	fliF-fliG-fliH-fliI-fliJ-fliK
MU-755	2017748	2018998	RNAP_peak+_707	RTS_R4+_650	2017609	pORF+_2017642	fliL-fliM
MU-756	2019112	2021702	RNAP_peak+_708		2018934	pORF+_2019112	fliN-fliO-fliP-fliQ-fliR
MU-757	2021992	2022615	RNAP_peak+_709		2021861	pORF+_2021992	rcsA
MU-758	2022977	2023252	RNAP_peak+_710	RTS_R4+_651	2022951	pORF+_2022995	yodD
MU-759	2023302	2024427	RNAP_peak+_711	RTS_R4+_652	2023477	pORF+_2023535	yedP
MU-760	2027563	2028483	RNAP_peak+_712				yedA
MU-761	2031673	2031763	RNAP_peak+_713				rseX
MU-762	2032027	2033202	RNAP_peak+_714	RTS_R4+_653	2032159	pORF+_2032045;pORF+_2032863	yedS
MU-763	2033677	2034727	RNAP_peak+_715	RTS_R4+_654	2033655;2033776;2033785;2033789;2033804	pORF+_2033859	hchA
MU-764	2036977	2037677	RNAP_peak+_716	RTS_R4+_655	2036955	pORF+_2036980	yedX
MU-765	2037752	2039127	RNAP_peak+_717	RTS_R4+_656	2037773	pORF+_2037502	yedY-yedZ
MU-766	2039377	2040127	RNAP_peak+_718	RTS_R4+_657	2039362;2039368;2039374;2039382	pORF+_2039399	yodA
MU-767	2040152	2041112	RNAP_peak+_719	RTS_R4+_658	2039935		yodB
MU-768	2041462	2042539	RNAP_peak+_720	RTS_R4+_659	2041628	pORF+_2041636	mtfA
MU-769	2042589	2042739	RNAP_peak+_721	RTS_R4+_660	2042462		asnT
MU-770	2042962	2050038	RNAP_peak+_722			pORF+_2042887	yeeJ
MU-771	2047789	2049889	RNAP_peak+_723	RTS_R4+_661	2047956		NT
MU-772	2051614	2052989	RNAP_peak+_724	RTS_R4+_662	2051590	pORF+_2051667	shiA
MU-773	2053064	2054514	RNAP_peak+_725	RTS_R4+_663	2053054	pORF+_2052929	amn
MU-774	2054864	2055564	RNAP_peak+_726	RTS_R4+_664	2054822;2054830;2054841;2054850;2054862	pORF+_2054882	yeeN
MU-775	2057884	2058034	RNAP_peak+_727	RTS_R4+_665	2057875		asnU
MU-776	2060284	2060359	RNAP_peak+_728	RTS_R4+_666			asnV
MU-777	2066659	2066909	RNAP_peak+_729	RTS_R4+_667	2066552	pORF+_2068268	yoeA
MU-778	2066934	2067209	RNAP_peak+_730	RTS_R4+_668			NT
MU-779	2068284	2068509	RNAP_peak+_731	RTS_R4+_669	2068330	pORF+_2068268	yoeA
MU-780	2068584	2069234	RNAP_peak+_732	RTS_R4+_670	2068543		yeeP
MU-781	2069434	2069459		RTS_R4+_671	2069348		isrC
MU-782	2069536	2072686		RTS_R4+_672	2069496;2069533	pORF+_2069407	flu
MU-783	2072803	2076131	RNAP_peak+_733				yeeR-yeeS-yeeT-yeeU-yeeV-yeeW
MU-784	2074332	2076131	RNAP_peak+_734		2074114		yeeS-yeeT-yeeU-yeeV-yeeW
MU-785	2076086	2076136	RNAP_peak+_735	RTS_R4+_673	2076053		NT
MU-786	2076770	2076955	RNAP_peak+_736				yoeF
MU-787	2080786	2082186	RNAP_peak+_737	RTS_R4+_674	2080756	pORF+_2080708	sbcB

MU-788	2087986	2088136	RNAP_peak+_738	RTS_R4+_675	2087989;2088018		hisL
MU-789	2088186	2094611	RNAP_peak+_739	RTS_R4+_676	2088157;2088187;2088197	pORF+_2088177;pORF+_2089112;pORF+_2090422;pORF+_2091489;pORF+_2092559;pORF+_2093146;pORF+_2093868	hisG-hisD-hisC-hisB-hisH-hisA-hisF
MU-790	2094636	2095261	RNAP_peak+_740	RTS_R4+_677	2094440;2094579	pORF+_2094638	hisI
MU-791	2135916	2137541	RNAP_peak+_741	RTS_R4+_678	2135887	pORF+_2135860	yegH
MU-792	2137591	2137691	RNAP_peak+_742	RTS_R4+_679	2137557		NT
MU-793	2141266	2144541	RNAP_peak+_743	RTS_R4+_680	2141248;2141382		yegE
MU-794	2145716	2146991	RNAP_peak+_744	RTS_R4+_681	2145873	pORF+_2145635	yegD
MU-795	2149209	2149670	RNAP_peak+_745				yegJ
MU-796	2151241	2151441	RNAP_peak+_746	RTS_R4+_682	2151335		ryeC
MU-797	2151691	2151841	RNAP_peak+_747	RTS_R4+_683	2151670		ryeD
MU-798	2152066	2158466	RNAP_peak+_748	RTS_R4+_684	2152003	pORF+_2151893;pORF+_2153287	mdtA-mdtB-mdtC
MU-799	2159266	2162191	RNAP_peak+_749	RTS_R4+_685	2159215;2159276	pORF+_2160900	mdtD-baeS
MU-800	2162291	2163016	RNAP_peak+_750	RTS_R4+_686	2162220	pORF+_2162300	baeR
MU-801	2163166	2163591	RNAP_peak+_751	RTS_R4+_687	2163156	pORF+_2163174	yegP
MU-802	2163616	2165041	RNAP_peak+_752	RTS_R4+_688	2163618	pORF+_2163692	yegQ
MU-803	2165116	2165166	RNAP_peak+_753	RTS_R4+_689	2165138		ryeE
MU-804	2166741	2167591	RNAP_peak+_754	RTS_R4+_690	2166709	pORF+_2166736	yegS
MU-805	2168216	2169541	RNAP_peak+_755	RTS_R4+_691		pORF+_2168251;pORF+_2168556	insE-insF
MU-806	2176843	2180083	RNAP_peak+_756			pORF+_2178117	yegT-yegU-yegV
MU-807	2183966	2184591	RNAP_peak+_757	RTS_R4+_692	2183945;2183960		rcnA
MU-808	2184916	2185266	RNAP_peak+_758	RTS_R4+_693	2184884;2184935	pORF+_2184802	yohN
MU-809	2192291	2194341	RNAP_peak+_759	RTS_R4+_694	2192291	pORF+_2192313	metG
MU-810	2194496	2202311	RNAP_peak+_760			pORF+_2198301	yehH-yehI-yehK
MU-811	2202618	2209122	RNAP_peak+_761			pORF+_2203576;pORF+_2207098	yehL-yehM-yehP-yehQ
MU-812	2209247	2209708	RNAP_peak+_762				yehR
MU-813	2212793	2213593	RNAP_peak+_763	RTS_R4+_695	2212711		mlrA
MU-814	2213693	2213868	RNAP_peak+_764	RTS_R4+_696	2213656		yohO
MU-815	2216118	2216318		RTS_R4+_697	2216103		NT
MU-816	2220143	2221968	RNAP_peak+_765	RTS_R4+_698	2220176	pORF+_2220174	dld
MU-817	2223818	2224443	RNAP_peak+_766	RTS_R4+_699	2223799		yohD
MU-818	2226993	2227468	RNAP_peak+_767	RTS_R4+_700	2226980		NT
MU-819	2228543	2229443	RNAP_peak+_768	RTS_R4+_701	2228625		yohJ-yohK
MU-820	2229468	2230668	RNAP_peak+_769	RTS_R4+_702	2229842	pORF+_2229866	cdd
MU-821	2230918	2231818	RNAP_peak+_770	RTS_R4+_703	2230872	pORF+_2230900	sanA-yeiS
MU-822	2232018	2234496	RNAP_peak+_771	RTS_R4+_704	2232004;2232009	pORF+_2232055	yeiT-yeiA
MU-823	2241846	2242671	RNAP_peak+_772	RTS_R4+_705	2241903	pORF+_2241932	yeiG
MU-824	2247971	2248446	RNAP_peak+_773	RTS_R4+_706	2247690		yeiH
MU-825	2248746	2250646	RNAP_peak+_774	RTS_R4+_707	2248828	pORF+_2248862	nfo-yeiI
MU-826	2253377	2254036	RNAP_peak+_775		2253259		yeiL

MU-827	2261885	2263066	RNAP_peak+_776				setB
MU-828	2262871	2263371		RTS_R4+_708	2262767		NT
MU-829	2263421	2264021	RNAP_peak+_777	RTS_R4+_709	2263437;2263442;2263448;2263464	pORF+_2263217	yeiP
MU-830	2264296	2265696	RNAP_peak+_778	RTS_R4+_710	2264236		yeiQ
MU-831	2265846	2267496	RNAP_peak+_779	RTS_R4+_711	2265820	pORF+_2265851	yeiR-lpxT
MU-832	2267846	2268596	RNAP_peak+_780	RTS_R4+_712	2267942;2267949;2267996	pORF+_2268001	spr
MU-833	2268621	2270171	RNAP_peak+_781	RTS_R4+_713	2268700		rtn
MU-834	2270371	2271846	RNAP_peak+_782	RTS_R4+_714	2270390	pORF+_2270380	yejA
MU-835	2271946	2272221	RNAP_peak+_783	RTS_R4+_715	2271987	pORF+_2272201	yejB
MU-836	2273121	2275796	RNAP_peak+_784	RTS_R4+_716	2273017;2273178	pORF+_2274274	yejE-yejF
MU-837	2276421	2277471	RNAP_peak+_785	RTS_R4+_717	2276513		NT
MU-838	2278621	2280196	RNAP_peak+_786	RTS_R4+_718	2278630	pORF+_2278654	yejH
MU-839	2280471	2280821	RNAP_peak+_787	RTS_R4+_719	2280402	pORF+_2280443	rplY
MU-840	2282022	2284122	RNAP_peak+_788	RTS_R4+_720	2282124	pORF+_2282151;pORF+_2282398	yejL-yejM
MU-841	2284197	2284297	RNAP_peak+_789	RTS_R4+_721	2284233		proL
MU-842	2288388	2289388	RNAP_peak+_790	RTS_R4+_722	2288371;2288391;2288444	pORF+_2288492	narP
MU-843	2301663	2301688	RNAP_peak+_791	RTS_R4+_723	2301615		yojO
MU-844	2301863	2303063	RNAP_peak+_792	RTS_R4+_724	2301894	pORF+_2301906	eco
MU-845	2307050	2307150	RNAP_peak+_793	RTS_R4+_725	2307005		NT
MU-846	2311125	2311175	RNAP_peak+_794	RTS_R4+_726	2311106		micF
MU-847	2311500	2313875	RNAP_peak+_795	RTS_R4+_727	2311474	pORF+_2311510	rcsD
MU-848	2313900	2314925	RNAP_peak+_796	RTS_R4+_728	2314084;2314140	pORF+_2314154	rcsB
MU-849	2318075	2320425	RNAP_peak+_797	RTS_R4+_729	2318037	pORF+_2319888	atoS-atoC
MU-850	2321469	2325315	RNAP_peak+_798			pORF+_2322778;pORF+_2324131	atoD-atoA-atoE-atoB
MU-851	2337575	2338475	RNAP_peak+_799	RTS_R4+_730	2337562	pORF+_2337541	ubiG
MU-852	2339250	2339425	RNAP_peak+_800	RTS_R4+_731	2339227		NT
MU-853	2342800	2345250	RNAP_peak+_801	RTS_R4+_732	2342780	pORF+_2342887	nrdA
MU-854	2345275	2346725	RNAP_peak+_802	RTS_R4+_733	2345374	pORF+_2345175	nrdB-yfaE
MU-855	2347673	2347915	RNAP_peak+_803				yfaH
MU-856	2348025	2348225	RNAP_peak+_804	RTS_R4+_734	2347962		NT
MU-857	2350728	2354178		RTS_R4+_735	2350615	pORF+_2350669;pORF+_2352059	glpA-glpB-glpC
MU-858	2354926	2355825					yfaD
MU-859	2355604	2356154		RTS_R4+_736	2355575		ypaA
MU-860	2362604	2362854	RNAP_peak+_805	RTS_R4+_737	2362549		nudI
MU-861	2363879	2367304	RNAP_peak+_806	RTS_R4+_738	2363738	pORF+_2363917	arnB-arnC-arnA
MU-862	2367379	2369579	RNAP_peak+_807	RTS_R4+_739	2367286;2367400	pORF+_2368930	arnD-arnT
MU-863	2370254	2371279	RNAP_peak+_808	RTS_R4+_740	2370154	pORF+_2370632	arnE-arnF
MU-864	2379629	2380504	RNAP_peak+_809	RTS_R4+_741	2379604;2379610	pORF+_2379612	rbn
MU-865	2380735	2381946				pORF+_2380735	elaD
MU-866	2383882	2385459	RNAP_peak+_810		2383830		yfbL-yfbM
MU-867	2386630	2388005	RNAP_peak+_811	RTS_R4+_742	2386595		yfbO-yfbP
MU-868	2405547	2406797	RNAP_peak+_812	RTS_R4+_743	2405531	pORF+_2405583	yfbQ

MU-869	2406897	2407697	RNAP_peak_+_813	RTS_R4_+_744	2406858	pORF_+_2406884	yfbR
MU-870	2411297	2412697	RNAP_peak_+_814	RTS_R4_+_745	2411366;2411459	pORF_+_2411492	ackA
MU-871	2412747	2414872	RNAP_peak_+_815	RTS_R4_+_746	2412727	pORF_+_2412769	pta
MU-872	2415122	2416472	RNAP_peak_+_816	RTS_R4_+_747			yfcC
MU-873	2418647	2419222	RNAP_peak_+_817	RTS_R4_+_748	2418614	pORF_+_2418643	yfcG
MU-874	2419272	2419697	RNAP_peak_+_818	RTS_R4_+_749	2419323	pORF_+_2419347	folX
MU-875	2419722	2420747	RNAP_peak_+_819	RTS_R4_+_750	2419630	pORF_+_2419730	yfcH
MU-876	2435947	2437022	RNAP_peak_+_820	RTS_R4_+_751	2435951		flk
MU-877	2439797	2441822	RNAP_peak_+_821	RTS_R4_+_752	2439761	pORF_+_2439726	mnmc
MU-878	2446498	2447298	RNAP_peak_+_822	RTS_R4_+_753	2446603	pORF_+_2446628	yfcN
MU-879	2459250	2460625	RNAP_peak_+_823	RTS_R4_+_754	2459227	pORF_+_2459322	fadL
MU-880	2461034	2462092	RNAP_peak_+_824			pORF_+_2461034	yfdF
MU-881	2463328	2464228	RNAP_peak_+_825	RTS_R4_+_755	2463296	pORF_+_2463323	yfdC
MU-882	2464353	2464428	RNAP_peak_+_826	RTS_R4_+_756	2464331		argW
MU-883	2464578	2465778	RNAP_peak_+_827	RTS_R4_+_757	2464537;2464558	pORF_+_2464531	intS
MU-884	2465878	2466928	RNAP_peak_+_828	RTS_R4_+_758	2465852;2465858	pORF_+_2466236	yfdG-yfdH
MU-885	2466953	2468403	RNAP_peak_+_829	RTS_R4_+_759	2467044;2467055	pORF_+_2467153	yfdI
MU-886	2468778	2469228	RNAP_peak_+_830	RTS_R4_+_760	2468770		tfaS
MU-887	2471626	2474253	RNAP_peak_+_831			pORF_+_2472054	yfdP-yfdQ-yfdR-yfdS-yfdT-yfdJ
MU-888	2474278	2474553	RNAP_peak_+_832	RTS_R4_+_761			torI
MU-889	2474606	2474620	RNAP_peak_+_833				pawZ
MU-890	2475869	2477206	RNAP_peak_+_834				dsdX
MU-891	2477078	2478128	RNAP_peak_+_835	RTS_R4_+_762	;2477127;2477132	pORF_+_2477224	dsdA
MU-892	2481679	2483754	RNAP_peak_+_836	RTS_R4_+_763	2481652;2481663	pORF_+_2481777;pORF_+_2482396	evgA-evgS
MU-893	2484079	2485704	RNAP_peak_+_837	RTS_R4_+_764	2483950		NT
MU-894	2492720	2492995	RNAP_peak_+_838				ypdI
MU-895	2493529	2493779	RNAP_peak_+_839	RTS_R4_+_765	2493621		lpxP
MU-896	2494829	2495004	RNAP_peak_+_840	RTS_R4_+_766	2494819		NT
MU-897	2497029	2499129	RNAP_peak_+_841	RTS_R4_+_767	2496668	pORF_+_2498387	ypdA-ypdB
MU-898	2499204	2499879	RNAP_peak_+_842	RTS_R4_+_768	2499128		ypdC
MU-899	2507529	2508879	RNAP_peak_+_843	RTS_R4_+_769	2507477		yfeO
MU-900	2508954	2509404	RNAP_peak_+_844	RTS_R4_+_770	2508983		ypeC
MU-901	2510829	2512379	RNAP_peak_+_845	RTS_R4_+_771	2510904;2511000;2511032	pORF_+_2511025	nupC
MU-902	2512404	2513604	RNAP_peak_+_846	RTS_R4_+_772	2512273	pORF_+_2512347	insL
MU-903	2516479	2517204	RNAP_peak_+_847	RTS_R4_+_773	2516429;2516468	pORF_+_2516474	yfeC-yfeD
MU-904	2518929	2519504	RNAP_peak_+_848	RTS_R4_+_774	2518953		valU-valX-valY-lysV
MU-905	2523180	2523881	RNAP_peak_+_849	RTS_R4_+_775	2523196		yfeN
MU-906	2524956	2526106	RNAP_peak_+_850	RTS_R4_+_776	2524948	pORF_+_2524968	yfeH
MU-907	2529481	2530131	RNAP_peak_+_851	RTS_R4_+_777	2529446	pORF_+_2529485	cysZ
MU-908	2530381	2531581	RNAP_peak_+_852	RTS_R4_+_778	2530399;2530408;2530418	pORF_+_2530431	cysK
MU-909	2531606	2533581	RNAP_peak_+_853	RTS_R4_+_779	2531523;2531529;2531614;2531617;2531710;2531713;2531754;2531757;2531761	pORF_+_2531786;pORF_+_2532088	ptsH-ptsI
MU-910	2533606	2534381	RNAP_peak_+_854	RTS_R4_+_780	2533502;2533632;2533789;2533815;2533834	pORF_+_2533856	crr



MU-911	2535431	2535756	RNAP_peak_+_855	RTS_R4_+_781	2535337		yfeK
MU-912	2535856	2536656	RNAP_peak_+_856	RTS_R4_+_782	2535779		yfeS
MU-913	2541735	2541785	RNAP_peak_+_857	RTS_R4_+_783			NT
MU-914	2543810	2545910		RTS_R4_+_784	2543753;2543763	pORF_+_2543795	murQ-murP
MU-915	2546510	2547560	RNAP_peak_+_858	RTS_R4_+_785	2546310		yfeW
MU-916	2550310	2552110	RNAP_peak_+_859	RTS_R4_+_786	2550264;2550301	pORF_+_2550374;pORF_+_2551247	amiA-hemF
MU-917	2555360	2555960	RNAP_peak_+_860	RTS_R4_+_787	2555334		NT
MU-918	2556810	2558085	RNAP_peak_+_861	RTS_R4_+_788	2556798	pORF_+_2556793	intZ
MU-919	2558385	2558860	RNAP_peak_+_862	RTS_R4_+_789	2558357;2558413		yffL
MU-920	2559390	2560015	RNAP_peak_+_863				yffM-yffN
MU-921	2560136	2561136	RNAP_peak_+_864	RTS_R4_+_790	2560064		yffO-yffP
MU-922	2561586	2561786	RNAP_peak_+_865	RTS_R4_+_791	2561495		yffQ
MU-923	2561936	2562461	RNAP_peak_+_866	RTS_R4_+_792	2561969;2561982	pORF_+_2561984	yffR
MU-924	2562561	2563311	RNAP_peak_+_867	RTS_R4_+_793	2562517	pORF_+_2562395	yffS
MU-925	2570187	2570462	RNAP_peak_+_868	RTS_R4_+_794			NT
MU-926	2576637	2579762	RNAP_peak_+_869	RTS_R4_+_795	2576628;2576664	pORF_+_2576688;pORF_+_2577595	talA-tktB
MU-927	2583613	2585113	RNAP_peak_+_870	RTS_R4_+_796	2583542;2583590		narQ
MU-928	2585563	2587788	RNAP_peak_+_871	RTS_R4_+_797	2585611	pORF_+_2585617	acrD
MU-929	2589188	2589413	RNAP_peak_+_872	RTS_R4_+_798	2589198	pORF_+_2589269	yffB
MU-930	2589438	2590688	RNAP_peak_+_873	RTS_R4_+_799	2589582	pORF_+_2589629	dapE
MU-931	2590713	2591263	RNAP_peak_+_874	RTS_R4_+_800	2590733		ypfN
MU-932	2594813	2594988	RNAP_peak_+_875	RTS_R4_+_801	2594784		NT
MU-933	2597863	2598413	RNAP_peak_+_876	RTS_R4_+_802	2597901	pORF_+_2597862	gcvR
MU-934	2598438	2598963	RNAP_peak_+_877	RTS_R4_+_803	2598431;2598450;2598459;2598466	pORF_+_2598500	bcp
MU-935	2599223	2612804					hyfA-hyfB-hyfC-hyfD-hyfE-hyfF-hyfG-hyfH-hyfI-hyfJ-hyfR-focB
MU-936	2614040	2616065	RNAP_peak_+_878	RTS_R4_+_804	2614048;2614090	pORF_+_2614116;pORF_+_2615600	yfgC-yfgD
MU-937	2619191	2620891	RNAP_peak_+_879	RTS_R4_+_805	2619175	pORF_+_2619204;pORF_+_2620256	purM-purN
MU-938	2620966	2624653	RNAP_peak_+_880	RTS_R4_+_806	2620970;2620980	pORF_+_2621060;pORF_+_2623098	ppk-ppx
MU-939	2626078	2626153	RNAP_peak_+_881	RTS_R4_+_807	2626040		NT
MU-940	2627303	2627503	RNAP_peak_+_882	RTS_R4_+_808	2627274		yfgG
MU-941	2627878	2628853	RNAP_peak_+_883	RTS_R4_+_809	2627785		yfgH-yfgI
MU-942	2632253	2633753	RNAP_peak_+_884	RTS_R4_+_810	2632219	pORF_+_2632254	xseA
MU-943	2650430	2651355	RNAP_peak_+_885	RTS_R4_+_811	2650491	pORF_+_2650357	sseA
MU-944	2651537	2651745	RNAP_peak_+_886				IS128
MU-945	2651899	2652149	RNAP_peak_+_887	RTS_R4_+_812	2651867		ryfA
MU-946	2661452	2662202	RNAP_peak_+_888	RTS_R4_+_813	2661428;2661437	pORF_+_2661464	suhB
MU-947	2662385	2663266	RNAP_peak_+_889				yfhR
MU-948	2663452	2664952	RNAP_peak_+_890	RTS_R4_+_814	2663423	pORF_+_2663436	csiE
MU-949	2666202	2666327	RNAP_peak_+_891	RTS_R4_+_815	2666220		NT

MU-950	2667227	2671227		RTS_R4_+_816	2667041		pORF_+_2670069		hcaE-hcaF-hcaC-hcaB-hcaD
MU-951	2671302	2671777	RNAP_peak_+_892	RTS_R4_+_817	2671343				yphA
MU-952	2680827	2682077	RNAP_peak_+_893	RTS_R4_+_818	2680827				yphH
MU-953	2682152	2682252	RNAP_peak_+_894	RTS_R4_+_819	2682044		pORF_+_2682237		NT
MU-954	2683852	2685052	RNAP_peak_+_895	RTS_R4_+_820	2683819;2683831		pORF_+_2683836		hmp
MU-955	2693777	2694952	RNAP_peak_+_896	RTS_R4_+_821	2693782		pORF_+_2693823		yfhD
MU-956	2696727	2697627	RNAP_peak_+_897	RTS_R4_+_822	2696762		pORF_+_2696709		yfhH
MU-957	2697652	2698002	RNAP_peak_+_898	RTS_R4_+_823	2697658;2697678				yfhL
MU-958	2698542	2698618							ryfC
MU-959	2708439	2710114	RNAP_peak_+_899	RTS_R4_+_824	2708414		pORF_+_2708442		nadB
MU-960	2710789	2712414	RNAP_peak_+_900	RTS_R4_+_825	2710900		pORF_+_2710918		srmB
MU-961	2713445	2714032	RNAP_peak_+_901						eamB
MU-962	2714764	2715564	RNAP_peak_+_902	RTS_R4_+_826	2714752		pORF_+_2714776		ung
MU-963	2716714	2717164	RNAP_peak_+_903	RTS_R4_+_827	2716697		pORF_+_2716757		trxC
MU-964	2717264	2720264	RNAP_peak_+_904	RTS_R4_+_828	2717227		pORF_+_2717975		yfiP-yfiQ
MU-965	2720314	2720639	RNAP_peak_+_905	RTS_R4_+_829	2720309		pORF_+_2720746		pssA
MU-966	2720664	2722089	RNAP_peak_+_906	RTS_R4_+_830	2720643;2720648;2720691		pORF_+_2720746		pssA
MU-967	2722150	2722473	RNAP_peak_+_907						yfiM
MU-968	2723890	2724040	RNAP_peak_+_908	RTS_R4_+_831	2723856				NT
MU-969	2733994	2734894	RNAP_peak_+_909	RTS_R4_+_832	2733982;2734095;2734107;2734135		pORF_+_2734168		bamD
MU-970	2735144	2735569	RNAP_peak_+_910	RTS_R4_+_833	2735146;2735152		pORF_+_2735176		raiA
MU-971	2735619	2736819	RNAP_peak_+_911	RTS_R4_+_834	2735602		pORF_+_2735767		pheL-pheA
MU-972	2739394	2739744	RNAP_peak_+_912	RTS_R4_+_835	2739371				yfiL
MU-973	2739869	2742119	RNAP_peak_+_913	RTS_R4_+_836	2739846		pORF_+_2740405;pORF_+_2741647		yfiR-yfiN-yfiB
MU-974	2745970	2747970	RNAP_peak_+_914	RTS_R4_+_837	2745953		pORF_+_2745909;pORF_+_2746820		ypjD-yfjD
MU-975	2748745	2749645	RNAP_peak_+_915	RTS_R4_+_838	2748759;2748788		pORF_+_2748853		nadK
MU-976	2749820	2751470	RNAP_peak_+_916	RTS_R4_+_839	2749782;2749795				recN
MU-977	2751520	2751970	RNAP_peak_+_917	RTS_R4_+_840	2751510;2751542;2751577;2751616		pORF_+_2751627		smpA
MU-978	2752820	2753495	RNAP_peak_+_918	RTS_R4_+_841	2752854;2752896		pORF_+_2752918		smpB
MU-979	2753620	2754020	RNAP_peak_+_919	RTS_R4_+_842	2753615				ssrA
MU-980	2754170	2755370	RNAP_peak_+_920	RTS_R4_+_843	2754155;2754190				intA
MU-981	2755920	2756070	RNAP_peak_+_921	RTS_R4_+_844					NT
MU-982	2756666	2756878	RNAP_peak_+_922		2756635				alpA
MU-983	2757007	2759195	RNAP_peak_+_923				pORF_+_2757007		yfjI-yfjJ
MU-984	2763411	2763811		RTS_R4_+_845	2763238				NT
MU-985	2763936	2764486	RNAP_peak_+_924	RTS_R4_+_846	2763916;2763922				rnIA
MU-986	2764511	2765461	RNAP_peak_+_925	RTS_R4_+_847	2764659;2764729				yfjO
MU-987	2766092	2766592	RNAP_peak_+_926	RTS_R4_+_848			pORF_+_2765726		yfjP-yfjQ
MU-988	2767725	2769637							yfjR-ypjK-yfjS-yfjT
MU-989	2769842	2770167	RNAP_peak_+_927	RTS_R4_+_849	2769830				NT
MU-990	2771242	2772842	RNAP_peak_+_928	RTS_R4_+_850	2771308				yfjW
MU-991	2773417	2773492	RNAP_peak_+_929	RTS_R4_+_851	2773413				NT

MU-992	2773567	2775804	RNAP_peak+_930				ypjI-yfjX-yfjY-ypjJ-yfjZ-ypjF
MU-993	2775792	2776043	RNAP_peak+_931	RTS_R4+_852	2775809		psaA
MU-994	2776893	2776993	RNAP_peak+_932	RTS_R4+_853	2776786		NT
MU-995	2784419	2786671	RNAP_peak+_933				ygaQ
MU-996	2786976	2788826	RNAP_peak+_934	RTS_R4+_854	2786949	pORF+_2787938	csiD-ygaF
MU-997	2788851	2793677	RNAP_peak+_935	RTS_R4+_855	2788933;2788948	pORF+_2789295;pORF+_2790751	gabD-gabT-gabP
MU-998	2793702	2794352	RNAP_peak+_936	RTS_R4+_856	2793646		csiR
MU-999	2795252	2796027	RNAP_peak+_937	RTS_R4+_857	2795209;2795219	pORF+_2795542	ygaV-ygaP
MU-1000	2797127	2797902	RNAP_peak+_938	RTS_R4+_858	2797144		ygaW
MU-1001	2798177	2798502	RNAP_peak+_939	RTS_R4+_859	2798143;2798150	pORF+_2798156	ygaM
MU-1002	2798702	2802478	RNAP_peak+_940	RTS_R4+_860	2798678	pORF+_2798745;pORF+_2799370	nrdH-nrdI-nrdE-nrdF
MU-1003	2802828	2806028	RNAP_peak+_941	RTS_R4+_861	2802587;2802771;2802782	pORF+_2802564;pORF+_2805112	proV-proW-proX
MU-1004	2806338	2807515	RNAP_peak+_942				ygaY
MU-1005	2807628	2808828	RNAP_peak+_943	RTS_R4+_862	2807591;2807602;2807710		ygaZ-ygaH
MU-1006	2808853	2810103	RNAP_peak+_944	RTS_R4+_863	2808717;2808741;2808755;2808768	pORF+_2808792;pORF+_2809437	mprA
MU-1007	2810128	2812178	RNAP_peak+_945	RTS_R4+_864	2809360	pORF+_2809437	emrA-emrB
MU-1008	2812831	2812856	RNAP_peak+_946	RTS_R4+_865	2812824		micA
MU-1009	2823906	2826281	RNAP_peak+_947	RTS_R4+_866	2823750;2823813	pORF+_2823854	srlA-srlE-srlB-srlD
MU-1010	2826643	2827002	RNAP_peak+_948				gutM
MU-1011	2826981	2827731	RNAP_peak+_949	RTS_R4+_867	2826984	pORF+_2827069	srlR
MU-1012	2827781	2828756	RNAP_peak+_950	RTS_R4+_868	2827732	pORF+_2827835	gutQ
MU-1013	2830756	2831056	RNAP_peak+_951	RTS_R4+_869	2830462		norV-norW-C0664
MU-1014	2835331	2835456	RNAP_peak+_952	RTS_R4+_870	2835275		NT
MU-1015	2837481	2840481	RNAP_peak+_953	RTS_R4+_871	2837449		ascF-ascB
MU-1016	2848706	2850681	RNAP_peak+_954	RTS_R4+_872	2848861	pORF+_2849023;pORF+_2849859	hypA-hypB-hypC-hypD
MU-1017	2850706	2852306	RNAP_peak+_955	RTS_R4+_873	2850757	pORF+_2851276	hypE
MU-1018	2852331	2854256	RNAP_peak+_956	RTS_R4+_874	2852316;2852323	pORF+_2852324	fhIA
MU-1019	2855081	2857731	RNAP_peak+_957	RTS_R4+_875	2855046;2855085;2855105;2855132	pORF+_2855115	mutS
MU-1020	2857782	2858438	RNAP_peak+_958				pphB
MU-1021	2859457	2864407	RNAP_peak+_959	RTS_R4+_876	2859414		ygbJ-ygbK-ygbL-ygbM-ygbN
MU-1022	2865857	2865932	RNAP_peak+_960	RTS_R4+_877	2865777		NT
MU-1023	2874607	2875632	RNAP_peak+_961	RTS_R4+_878	2874569		iap
MU-1024	2890253	2892703	RNAP_peak+_962	RTS_R4+_879	2890212		sscR-ygcN-ygcO-ygcP
MU-1025	2898614	2901396	RNAP_peak+_963			pORF+_2899918	yqcE-ygcE
MU-1026	2901938	2902488	RNAP_peak+_964	RTS_R4+_880	2902008		NT
MU-1027	2903733	2904605	RNAP_peak+_965				ygcG
MU-1028	2912813	2915838	RNAP_peak+_966	RTS_R4+_881	2912910	pORF+_2913079	barA
MU-1029	2923363	2924213	RNAP_peak+_967	RTS_R4+_882	2923341	pORF+_2923370	queF
MU-1030	2924263	2925688	RNAP_peak+_968	RTS_R4+_883	2924294	pORF+_2924330	ygdH

MU-1031	2926165	2929815	RNAP_peak+_969	RTS_R4+_884	2926172;2926178;2926223	pORF+_2926251;pORF+_2927598;pORF+_2928987	sdaC-sdaB-ygdG
MU-1032	2932257	2936908				pORF+_2933606	fucP-fucI-fucK
MU-1033	2936515	2938123	RNAP_peak+_970	RTS_R4+_885	2936466;2936671	pORF+_2936910;pORF+_2937381	fucU-fucR
MU-1034	2940748	2940848	RNAP_peak+_971	RTS_R4+_886	2940718		gcvB
MU-1035	2941348	2942348	RNAP_peak+_972	RTS_R4+_887	2941341		csdA
MU-1036	2942373	2942998	RNAP_peak+_973	RTS_R4+_888	2942505	pORF+_2942564	csdE
MU-1037	2943923	2944023	RNAP_peak+_974	RTS_R4+_889			NT
MU-1038	2945423	2945498	RNAP_peak+_975	RTS_R4+_890	2945409		metZ-metW-metV
MU-1039	2947223	2949273	RNAP_peak+_976	RTS_R4+_891	2947233;2947241	pORF+_2947198	argA
MU-1040	2967600	2968275	RNAP_peak+_977	RTS_R4+_892	2967638		mutH
MU-1041	2968450	2968925	RNAP_peak+_978	RTS_R4+_893	2968416		ygdQ
MU-1042	2969300	2969500	RNAP_peak+_979	RTS_R4+_894	2969260;2969272	pORF+_2969293	ygdR
MU-1043	2969575	2970778	RNAP_peak+_980	RTS_R4+_895	2969587	pORF+_2969619	tas
MU-1044	2974578	2975778	RNAP_peak+_981	RTS_R4+_896	2974591	pORF+_2974621	galR
MU-1045	2977028	2977903	RNAP_peak+_982	RTS_R4+_897	2976932		lysR
MU-1046	2980503	2980778	RNAP_peak+_983	RTS_R4+_898	2980467		NT
MU-1047	2981553	2981853	RNAP_peak+_984	RTS_R4+_899			NT
MU-1048	2983869	2985098	RNAP_peak+_985		2983673		yqeG
MU-1049	2985558	2986190	RNAP_peak+_986		2985533		yqeH
MU-1050	2986524	2987808	RNAP_peak+_987				yqeI-yqeJ
MU-1051	2988576	2989065	RNAP_peak+_988		2988440		ygeF
MU-1052	2989290	2989781	RNAP_peak+_989				ygeG
MU-1053	2990116	2991492	RNAP_peak+_990		2990004		ygeH
MU-1054	2991660	2991878	RNAP_peak+_991		2991615		ygeI
MU-1055	2991961	2992463	RNAP_peak+_992				pbl
MU-1056	2994300	2994625	RNAP_peak+_993	RTS_R4+_900			NT
MU-1057	2998425	3002100	RNAP_peak+_994	RTS_R4+_901	2998296		xdhA-xdhB-xdhC
MU-1058	3005554	3010179	RNAP_peak+_995	RTS_R4+_902		pORF+_3009483	ygeW-ygeX-ygeY-hyuA-yqeA
MU-1059	3013129	3013954	RNAP_peak+_996	RTS_R4+_903	3013125		ygfJ
MU-1060	3016154	3021804	RNAP_peak+_997	RTS_R4+_904		pORF+_3014082;pORF+_3019338	ygfK-ssnA-ygfM-xdhD
MU-1061	3022373	3023773					ygfO
MU-1062	3023729	3026502		RTS_R4+_905	3023691		guaD-ygfQ
MU-1063	3029389	3030837	RNAP_peak+_998			pORF+_3029260	ygfU
MU-1064	3031077	3031727	RNAP_peak+_999	RTS_R4+_906	3031063;3031071	pORF+_3031087	idi
MU-1065	3037877	3038377	RNAP_peak+_1000	RTS_R4+_907	3037844	pORF+_3037877	fldB
MU-1066	3039327	3040677	RNAP_peak+_1001	RTS_R4+_908	3039304	pORF+_3039335	ygfZ
MU-1067	3041627	3043177	RNAP_peak+_1002	RTS_R4+_909	3041661;3041716	pORF+_3041666	bglA
MU-1068	3053527	3053777	RNAP_peak+_1003	RTS_R4+_910	3053511	pORF+_3053634	zapA
MU-1069	3053802	3054627	RNAP_peak+_1004	RTS_R4+_911	3053781;3053790;3053880;3053996		ssrS-ygfA
MU-1070	3054902	3055152	RNAP_peak+_1005	RTS_R4+_912	3054873		rygC
MU-1071	3057777	3058503	RNAP_peak+_1006	RTS_R4+_913	3057743;3057751	pORF+_3057709	argP
MU-1072	3058872	3064302				pORF+_3061009	scpA-argK-scpB-scpC

MU-1073	3065058	3065533	RNAP_peak+_1007	RTS_R4+_914	3065229		NT
MU-1074	3079721	3080771	RNAP_peak+_1008	RTS_R4+_915	3079905	pORF+_3079716	yggG
MU-1075	3084209	3084424	RNAP_peak+_1009				yqgC
MU-1076	3084624	3085874	RNAP_peak+_1010	RTS_R4+_916	3084589;3084613;3084691;3084705;3084711	pORF+_3084716	metK
MU-1077	3086249	3088974	RNAP_peak+_1011	RTS_R4+_917	3086277	pORF+_3088366	galP-yggI-endA
MU-1078	3089124	3091049	RNAP_peak+_1012	RTS_R4+_918	3089091;3089097	pORF+_3089129;pORF+_3089900	rsmE-gshB
MU-1079	3091074	3092024	RNAP_peak+_1013	RTS_R4+_919	3090922;3090929	pORF+_3090887;pORF+_3091396	yqgE-yqgF
MU-1080	3093124	3094599	RNAP_peak+_1014	RTS_R4+_920	3093082	pORF+_3093120	yggS-yggT-yggU
MU-1081	3094624	3096449	RNAP_peak+_1015	RTS_R4+_921	3094639;3094645	pORF+_3094703;pORF+_3095289	rdgB-yggW
MU-1082	3096574	3096599	RNAP_peak+_1016	RTS_R4+_922	3096582		NT
MU-1083	3098699	3098874	RNAP_peak+_1017	RTS_R4+_923			NT
MU-1084	3101024	3102049	RNAP_peak+_1018	RTS_R4+_924	3101011;3101024		mutY
MU-1085	3102074	3103524	RNAP_peak+_1019	RTS_R4+_925	3102014;3102064	pORF+_3102115;pORF+_3102452	yggX-mltC
MU-1086	3103699	3104624	RNAP_peak+_1020	RTS_R4+_926	3103673	pORF+_3103688	nupG
MU-1087	3107238	3108288	RNAP_peak+_1021	RTS_R4+_927	3107546		yqgA
MU-1088	3108413	3108463	RNAP_peak+_1022	RTS_R4+_928	3108436		pheV
MU-1089	3109263	3109588	RNAP_peak+_1023	RTS_R4+_929	3109328		NT
MU-1090	3119263	3119613	RNAP_peak+_1024	RTS_R4+_930	3119402		C0719
MU-1091	3126238	3127213	RNAP_peak+_1025	RTS_R4+_931	3126227		glcC
MU-1092	3128163	3129238	RNAP_peak+_1026	RTS_R4+_932	3128104	pORF+_3128200	insH
MU-1093	3132153	3132845	RNAP_peak+_1027				yghT
MU-1094	3136738	3137738	RNAP_peak+_1028	RTS_R4+_933	3136722	pORF+_3136701	yghU
MU-1095	3145913	3147038	RNAP_peak+_1029	RTS_R4+_934	3145884	pORF+_3145919	yghZ
MU-1096	3147688	3148563	RNAP_peak+_1030	RTS_R4+_935	3147658	pORF+_3147684	yghA
MU-1097	3150188	3151463	RNAP_peak+_1031	RTS_R4+_936	3150232	pORF+_3150123	metC
MU-1098	3151488	3152213	RNAP_peak+_1032	RTS_R4+_937	3151551	pORF+_3151585	yghB
MU-1099	3153322	3154622	RNAP_peak+_1033	RTS_R4+_938	3153325;3153352	pORF+_3153353;pORF+_3153651	yqhD
MU-1100	3154647	3155522		RTS_R4+_939	3154594	pORF+_3154645	dkgA
MU-1101	3155672	3156906	RNAP_peak+_1034			pORF+_3156649	yqhG-yqhH
MU-1102	3167824	3169824	RNAP_peak+_1035	RTS_R4+_940	3167822	pORF+_3168506	qseB-qseC
MU-1103	3170552	3171152	RNAP_peak+_1036	RTS_R4+_941	3170526	pORF+_3170552	mdaB
MU-1104	3171177	3171527	RNAP_peak+_1037	RTS_R4+_942	3171143	pORF+_3171164	ygiN
MU-1105	3175102	3175277	RNAP_peak+_1038	RTS_R4+_943	3175035		NT
MU-1106	3175902	3177702	RNAP_peak+_1039	RTS_R4+_944	3175888;3176023;3176097	pORF+_3176098	toiC
MU-1107	3177752	3178852	RNAP_peak+_1040	RTS_R4+_945	3177739	pORF+_3177733;pORF+_3178443	ygiB
MU-1108	3178877	3179652	RNAP_peak+_1041	RTS_R4+_946	3178779;3178893;3178902	pORF+_3178443	ygiC
MU-1109	3180477	3181327	RNAP_peak+_1042	RTS_R4+_947	3180445;3180472	pORF+_3180530	zupT
MU-1110	3182852	3183127	RNAP_peak+_1043	RTS_R4+_948	3182820;3182835	pORF+_3182802	yqiC
MU-1111	3183436	3183987	RNAP_peak+_1044			pORF+_3183436	ygiL

MU-1112	3184083	3184111	RNAP_peak+_1045				yqiG
MU-1113	3184127	3185552	RNAP_peak+_1046	RTS_R4+_949	3184102		insC-insD
MU-1114	3184083	3189718	RNAP_peak+_1047				yqiG-yqiH-yqiI
MU-1115	3190230	3192547	RNAP_peak+_1048			pORF+_3190230;pORF+_3190886	yqiJ-yqiK
MU-1116	3199102	3199827	RNAP_peak+_1049	RTS_R4+_950	3199068;3199114;3199202	pORF+_3199229	htrG
MU-1117	3199852	3201402	RNAP_peak+_1050	RTS_R4+_951	3199811;3199885;3199888;3199920	pORF+_3199913	cca
MU-1118	3202627	3203352	RNAP_peak+_1051	RTS_R4+_952	3202677		ygiH
MU-1119	3204485	3207509	RNAP_peak+_1052				ttdA-ttdB-ttdT
MU-1120	3208702	3210627	RNAP_peak+_1053	RTS_R4+_953	3208669;3208738;3208740;3208743;3208781	pORF+_3208803;pORF+_3209129	rpsU-dnaG
MU-1121	3210652	3212952	RNAP_peak+_1054	RTS_R4+_954	3210489;3210710;3210752;3210963	pORF+_3211069	rpoD
MU-1122	3213652	3213677	RNAP_peak+_1055	RTS_R4+_955	3213668		ileX
MU-1123	3214752	3215552	RNAP_peak+_1056	RTS_R4+_956	3214775	pORF+_3214801	yqiI
MU-1124	3217502	3219052	RNAP_peak+_1057	RTS_R4+_957	3217481	pORF+_3217405	ygjG
MU-1125	3219428	3220353	RNAP_peak+_1058	RTS_R4+_958	3219417	pORF+_3219488	ebgR
MU-1126	3220655	3224193					ebgA-ebgC
MU-1127	3224256	3225689	RNAP_peak+_1059				ygjI
MU-1128	3225823	3229261	RNAP_peak+_1060				ygjJ-ygjK
MU-1129	3229703	3231653		RTS_R4+_959	3229646	pORF+_3229687	fadH
MU-1130	3233953	3234428	RNAP_peak+_1061	RTS_R4+_960	3233959		ygjP-ygjQ
MU-1131	3235328	3236328	RNAP_peak+_1062	RTS_R4+_961	3235304	pORF+_3235315	ygjR
MU-1132	3236378	3236553	RNAP_peak+_1063	RTS_R4+_962	3236497		psrN
MU-1133	3236602	3237567	RNAP_peak+_1064				alx
MU-1134	3237903	3239128	RNAP_peak+_1065	RTS_R4+_963	3237885	pORF+_3237966	sstT
MU-1135	3243198	3244523	RNAP_peak+_1066	RTS_R4+_964	3243045		exuT
MU-1136	3244648	3245423	RNAP_peak+_1067	RTS_R4+_965	3244646;3244656	pORF+_3244659	exuR
MU-1137	3245523	3246823	RNAP_peak+_1068	RTS_R4+_966	3245573;3245627;3245652;3245667		yqjA-yqjB
MU-1138	3246873	3248398	RNAP_peak+_1069	RTS_R4+_967	3246991	pORF+_3246976;pORF+_3247397	yqjC-yqjD-yqjE-yqjK
MU-1139	3248448	3248923	RNAP_peak+_1070	RTS_R4+_968	3248592		yqjF
MU-1140	3249048	3250073	RNAP_peak+_1071	RTS_R4+_969	3249186	pORF+_3249025	yqjG
MU-1141	3250223	3250723	RNAP_peak+_1072	RTS_R4+_970	3250285		yhaH
MU-1142	3250933	3251289	RNAP_peak+_1073				yhaI
MU-1143	3252349	3252524	RNAP_peak+_1074	RTS_R4+_971	3252319		yhaK
MU-1144	3253049	3253324	RNAP_peak+_1075	RTS_R4+_972	3253037;3253039	pORF+_3253059	yhaL
MU-1145	3265402	3265620	RNAP_peak+_1076				tdcR
MU-1146	3265876	3267624	RNAP_peak+_1077			pORF+_3265846	yhaB-yhaC
MU-1147	3267751	3268195	RNAP_peak+_1078	RTS_R4+_973	3267552		NT
MU-1148	3273295	3274845	RNAP_peak+_1079	RTS_R4+_974	3273229;3273257;3273271		garD
MU-1149	3274995	3275820	RNAP_peak+_1080	RTS_R4+_975	3274994	pORF+_3275024	sohA-yhaV
MU-1150	3276936	3282025	RNAP_peak+_1081		3276888	pORF+_3276936;pORF+_3281165	kbaZ-agaV-agaW-agaA-agaS-kbaY

MU-1151	3282192	3285047	RNAP_peak_+_1082		3281839		pORF_+_3283353	agaB-agaC-agaD-agaI
MU-1152	3285448	3290454	RNAP_peak_+_1083		3285425		pORF_+_3286761	yraH-yraI-yraJ-yraK
MU-1153	3291421	3293821	RNAP_peak_+_1084	RTS_R4_+_976	3291391		pORF_+_3291392	yraM-yraN
MU-1154	3293846	3294571	RNAP_peak_+_1085	RTS_R4_+_977	3293818		pORF_+_3293831	diaA-yraP
MU-1155	3294596	3295171	RNAP_peak_+_1086	RTS_R4_+_978	3294399		pORF_+_3294431	yraP
MU-1156	3296971	3297521	RNAP_peak_+_1087	RTS_R4_+_979	3296930		pORF_+_3296954	yhbO
MU-1157	3297996	3298221	RNAP_peak_+_1088	RTS_R4_+_980	3297963			yhbQ
MU-1158	3299271	3301096	RNAP_peak_+_1089	RTS_R4_+_981	3299461			yhbU-yhbV
MU-1159	3301471	3302796	RNAP_peak_+_1090	RTS_R4_+_982	3301434;3301444		pORF_+_3301470	yhbW
MU-1160	3309247	3309420	RNAP_peak_+_1091					psrO
MU-1161	3316521	3317946	RNAP_peak_+_1092	RTS_R4_+_983	3316582;3316589;3316601;3316636		pORF_+_3316659	argG
MU-1162	3325796	3326171	RNAP_peak_+_1093	RTS_R4_+_984	3325781		pORF_+_3325812	yhbY
MU-1163	3326971	3328521	RNAP_peak_+_1094	RTS_R4_+_985	3326958		pORF_+_3326985	dacB
MU-1164	3331546	3333096	RNAP_peak_+_1095	RTS_R4_+_986	3331658;3331724;3331736		pORF_+_3331732	ispB-sfsB
MU-1165	3338272	3340272	RNAP_peak_+_1096	RTS_R4_+_987	3338233;3338256		pORF_+_3338297;pORF_+_3339267	yrbG-kdsD
MU-1166	3340297	3341272	RNAP_peak_+_1097	RTS_R4_+_988	3340285		pORF_+_3340295;pORF_+_3340858	kdsC-yrbK
MU-1167	3341297	3342697	RNAP_peak_+_1098	RTS_R4_+_989	3341327;3341390		pORF_+_3341381;pORF_+_3341966	lptA-lptB
MU-1168	3342722	3344222	RNAP_peak_+_1099	RTS_R4_+_990	3342713		pORF_+_3342739	rpoN
MU-1169	3344247	3346297	RNAP_peak_+_1100	RTS_R4_+_991	3344129;3344137		pORF_+_3344111;pORF_+_3344576;pORF_+_3345137;pORF_+_3345988	hpf-ptsN-yhbJ-npr
MU-1170	3346472	3347397	RNAP_peak_+_1101	RTS_R4_+_992	3346447		pORF_+_3346417	yrbL
MU-1171	3348604	3348704	RNAP_peak_+_1102	RTS_R4_+_993	3348610			ryhA
MU-1172	3350054	3350104	RNAP_peak_+_1103	RTS_R4_+_994				NT
MU-1173	3352104	3352329	RNAP_peak_+_1104	RTS_R4_+_995	3352068			NT
MU-1174	3352554	3358729	RNAP_peak_+_1105	RTS_R4_+_996	3352533;3352544;3352583		pORF_+_3352639;pORF_+_3357220	gltB-gltD
MU-1175	3359204	3360079	RNAP_peak_+_1106	RTS_R4_+_997	3359153;3359163;3359175			gltF
MU-1176	3360134	3363573	RNAP_peak_+_1107				pORF_+_3360811	yhcA-yhcD-yhcE
MU-1177	3361129	3363029	RNAP_peak_+_1108	RTS_R4_+_998	3360933;3360973		pORF_+_3360811	yhcD-yhcE
MU-1178	3363207	3363573	RNAP_peak_+_1109					yhcE
MU-1179	3365004	3365879	RNAP_peak_+_1110	RTS_R4_+_999	3364969;3364973		pORF_+_3364948	yhcF
MU-1180	3365849	3366976	RNAP_peak_+_1111					yhcG
MU-1181	3372891	3374258	RNAP_peak_+_1112				pORF_+_3372873	dcuD
MU-1182	3378059	3378584	RNAP_peak_+_1113	RTS_R4_+_1000	3378148;3378182		pORF_+_3378207	yhcB
MU-1183	3378709	3380084	RNAP_peak_+_1114	RTS_R4_+_1001	3378675;3378729		pORF_+_3378723	degQ
MU-1184	3380184	3381284	RNAP_peak_+_1115	RTS_R4_+_1002	3380203		pORF_+_3380222	degS
MU-1185	3382684	3383184	RNAP_peak_+_1116	RTS_R4_+_1003	3382622;3382699		pORF_+_3382725	argR
MU-1186	3383528	3383803	RNAP_peak_+_1117	RTS_R4_+_1004	3383540		pORF_+_3383509	yhcN
MU-1187	3386978	3387503	RNAP_peak_+_1118	RTS_R4_+_1005	3386963			NT
MU-1188	3387553	3388428	RNAP_peak_+_1119	RTS_R4_+_1006	3387502		pORF_+_3387542	aaeR
MU-1189	3391028	3391128	RNAP_peak_+_1120	RTS_R4_+_1007	3390911			NT

MU-1190	3392528	3392628	RNAP_peak+_1121	RTS_R4+_1008	3392539		NT
MU-1191	3395878	3395928	RNAP_peak+_1122	RTS_R4+_1009	3395856		NT
MU-1192	3400628	3401353	RNAP_peak+_1123	RTS_R4+_1010	3400640		NT
MU-1193	3401378	3402578	RNAP_peak+_1124	RTS_R4+_1011	3401252;3401401;3401475	pORF+_3401506	yhdH
MU-1194	3402628	3403078	RNAP_peak+_1125	RTS_R4+_1012	3402769;3402779		yrdE
MU-1195	3403328	3405278	RNAP_peak+_1126	RTS_R4+_1013	3403396;3403474	pORF+_3403458;pORF+_3403900	accB-accC
MU-1196	3405406	3406781	RNAP_peak+_1127	RTS_R4+_1014	3405208;3405256		yhdT-panF
MU-1197	3406831	3408006	RNAP_peak+_1128	RTS_R4+_1015	3407005;3407062	pORF+_3407092	prmA
MU-1198	3408206	3409606	RNAP_peak+_1129	RTS_R4+_1016	3408270	pORF+_3408302;pORF+_3409293	dusB-fis
MU-1199	3409675	3410559	RNAP_peak+_1130				yhdJ
MU-1200	3410656	3410756	RNAP_peak+_1131	RTS_R4+_1017	3410612		yhdU
MU-1201	3411886	3416159	RNAP_peak+_1132		3411816	pORF+_3411886;pORF+_3413055	acrE-acrF
MU-1202	3416357	3416557	RNAP_peak+_1133	RTS_R4+_1018	3416353	pORF+_3416412	yhdV
MU-1203	3416982	3421182	RNAP_peak+_1134	RTS_R4+_1019	3417074	pORF+_3420458	yhdW-yhdX-yhdY-yhdZ
MU-1204	3427232	3428007	RNAP_peak+_1135	RTS_R4+_1020	3427233	pORF+_3427042	yrdA
MU-1205	3431707	3435882	RNAP_peak+_1136	RTS_R4+_1021	3431672;3431680	pORF+_3431712;pORF+_3432236;pORF+_3433208;pORF+_3434540	def-fmt-rsmB-trkA
MU-1206	3436032	3436457	RNAP_peak+_1137	RTS_R4+_1022	3435866;3436063	pORF+_3436046	mscL
MU-1207	3453572	3463997	RNAP_peak+_1138	RTS_R4+_1023	3453562;3453580	pORF+_3456361	gspC-gspD-gspE-gspF-gspG-gspH-gspI-gspJ-gspK-gspL-gspM-gspO
MU-1208	3475524	3475874	RNAP_peak+_1139	RTS_R4+_1024	3475637	pORF+_3475662	slyX
MU-1209	3476499	3476699	RNAP_peak+_1140	RTS_R4+_1025	3476465		NT
MU-1210	3479149	3481999	RNAP_peak+_1141	RTS_R4+_1026	3479280	pORF+_3479311	yheS-yheT
MU-1211	3482024	3483324	RNAP_peak+_1142	RTS_R4+_1027	3482202	pORF+_3482240;pORF+_3482512	yheU-prkB
MU-1212	3483999	3486924	RNAP_peak+_1143	RTS_R4+_1028	3483975;3483987;3483071;3484074;3484120;3484132	pORF+_3484142	crp-yhfK
MU-1213	3490574	3491749	RNAP_peak+_1144	RTS_R4+_1029	3490542		tsgA
MU-1214	3491899	3495635	RNAP_peak+_1145	RTS_R4+_1030	3491922;3492009	pORF+_3492033	nirB-nirD-nirC
MU-1215	3495735	3497185	RNAP_peak+_1146	RTS_R4+_1031	3495774;3495828	pORF+_3495850	cysG
MU-1216	3497535	3497610	RNAP_peak+_1147	RTS_R4+_1032	3497436;3497478		yhfL
MU-1217	3497932	3501974	RNAP_peak+_1148				frlA-frlB-frlC-frlD
MU-1218	3501985	3502860	RNAP_peak+_1149	RTS_R4+_1033	3502047;3502055;3502099	pORF+_3502008	frlR
MU-1219	3506512	3506687	RNAP_peak+_1150	RTS_R4+_1034			NT
MU-1220	3520887	3523412	RNAP_peak+_1151	RTS_R4+_1035	3520848	pORF+_3520869	mrcA
MU-1221	3524312	3526612	RNAP_peak+_1152	RTS_R4+_1036	3524344	pORF+_3524491	yrfF
MU-1222	3526687	3527137	RNAP_peak+_1153	RTS_R4+_1037	3526662		yrfG
MU-1223	3527162	3528787	RNAP_peak+_1154	RTS_R4+_1038	3527132	pORF+_3527370;pORF+_3527790	hslR-hslO
MU-1224	3530737	3532463	RNAP_peak+_1155	RTS_R4+_1039	3530701;3530813	pORF+_3530771	pck
MU-1225	3534488	3535313	RNAP_peak+_1156	RTS_R4+_1040	3534487;3534659;3534688		greB



MU-1226	3535363	3537813	RNAP_peak+_1157	RTS_R4+_1041	3535375;3535376	pORF+_3535407	yhgF
MU-1227	3538038	3540988	RNAP_peak+_1158	RTS_R4+_1042	3538080	pORF+_3538417	feoA-feoB-feoC
MU-1228	3541863	3542263		RTS_R4+_1043			yhgA
MU-1229	3542904	3543587	RNAP_peak+_1159		3542880		gntX
MU-1230	3543213	3544313	RNAP_peak+_1160	RTS_R4+_1044	3543480;3543618;3543630;3543655	pORF+_3543646	gntY
MU-1231	3544488	3545888	RNAP_peak+_1161	RTS_R4+_1045	3544427;3544499	pORF+_3544581	gntT
MU-1232	3550788	3553938	RNAP_peak+_1162	RTS_R4+_1046	3551046	pORF+_3551107	malT
MU-1233	3556314	3556564	RNAP_peak+_1163	RTS_R4+_1047			rtcR
MU-1234	3559964	3561939	RNAP_peak+_1164	RTS_R4+_1048	3559931;3559948;3560002;3560011	pORF+_3560021	glpD
MU-1235	3572822	3573897	RNAP_peak+_1165	RTS_R4+_1049	3572952		yhgN
MU-1236	3579172	3579697	RNAP_peak+_1166	RTS_R4+_1050	3579134		yhhY
MU-1237	3579886	3581441	RNAP_peak+_1167				yhhZ-yrHA
MU-1238	3581470	3582195	RNAP_peak+_1168	RTS_R4+_1051	3581412		insA-insB
MU-1239	3581061	3581441	RNAP_peak+_1169				yrhA
MU-1240	3582427	3582582	RNAP_peak+_1170				yrhD
MU-1241	3582670	3583070	RNAP_peak+_1171	RTS_R4+_1052	3582633		yrhB
MU-1242	3584970	3585595	RNAP_peak+_1172	RTS_R4+_1053	3584943	pORF+_3584966	yhhA
MU-1243	3590495	3590595	RNAP_peak+_1173	RTS_R4+_1054	3590459;3590461		NT
MU-1244	3595974	3596474	RNAP_peak+_1174	RTS_R4+_1055	3595981	pORF+_3596007	yhhK
MU-1245	3602374	3603249	RNAP_peak+_1175	RTS_R4+_1056	3602350;3602360	pORF+_3602416	rsmD-yhhL
MU-1246	3603749	3604399	RNAP_peak+_1176	RTS_R4+_1057	3603759		yhhN
MU-1247	3604474	3606599	RNAP_peak+_1177	RTS_R4+_1058	3604445	pORF+_3604474	zntA
MU-1248	3607174	3607774	RNAP_peak+_1178	RTS_R4+_1059	3607131;3607248		yhhQ
MU-1249	3607874	3608499	RNAP_peak+_1179	RTS_R4+_1060	3607940	pORF+_3607924	dcrB
MU-1250	3609899	3610724	RNAP_peak+_1180	RTS_R4+_1061	3609865		yhhT
MU-1251	3610799	3611724	RNAP_peak+_1181	RTS_R4+_1062	3610784;3610789;3610844	pORF+_3611690	acpT
MU-1252	3611690	3616605				pORF+_3615799	nikA-nikB-nikC-nikD-nikE
MU-1253	3616574	3616824		RTS_R4+_1063	3616560;3616569	pORF+_3615799;pORF+_3616611	nikR
MU-1254	3617224	3621674	RNAP_peak+_1182	RTS_R4+_1064	3617209		rhsB-yhhH
MU-1255	3621924	3623474	RNAP_peak+_1183	RTS_R4+_1065	3621754		yrhC-yhhI
MU-1256	3632874	3633549	RNAP_peak+_1184	RTS_R4+_1066	3632765		yhiM
MU-1257	3635549	3637324	RNAP_peak+_1185	RTS_R4+_1067	3635635;3635677	pORF+_3635665	pitA
MU-1258	3637974	3638574	RNAP_peak+_1186	RTS_R4+_1068	3638007;3638021;3638114	pORF+_3638134	uspA
MU-1259	3638899	3640324	RNAP_peak+_1187	RTS_R4+_1069	3639000		yhiP
MU-1260	3643324	3644199	RNAP_peak+_1188	RTS_R4+_1070	3643355	pORF+_3643357	yhiR
MU-1261	3644224	3645774	RNAP_peak+_1189	RTS_R4+_1071	3644298	pORF+_3644322	gor
MU-1262	3646124	3646249	RNAP_peak+_1190	RTS_R4+_1072	3646086		NT
MU-1263	3646560	3648035	RNAP_peak+_1191	RTS_R4+_1073	3646533	pORF+_3646937	arsR-arsB
MU-1264	3648135	3648810	RNAP_peak+_1192	RTS_R4+_1074	3648138;3648198	pORF+_3648260	arsC
MU-1265	3649314	3650054	RNAP_peak+_1193				yhiS
MU-1266	3651985	3652710	RNAP_peak+_1194	RTS_R4+_1075	3651959	pORF+_3651951	slp
MU-1267	3652706	3653236	RNAP_peak+_1195				dctR

MU-1268	3655010	3655585	RNAP_peak+_1196	RTS_R4+_1076	3654983;3654989;3655002;3655034		hdeD
MU-1269	3655835	3657160	RNAP_peak+_1197	RTS_R4+_1077	3655823;3656265;3656297;3656322;3656369	pORF+_3656311	gadE
MU-1270	3657185	3661460	RNAP_peak+_1198	RTS_R4+_1078	3656973;3657015;3657239	pORF+_3657255;pORF+_3658437	mdtE-mdtF
MU-1271	3662835	3662935	RNAP_peak+_1199	RTS_R4+_1079	3662887		gadY
MU-1272	3664260	3664385	RNAP_peak+_1200	RTS_R4+_1080	3664096		NT
MU-1273	3667585	3668885	RNAP_peak+_1201	RTS_R4+_1081	3667508;3667569;3667572		treF
MU-1274	3668910	3669435	RNAP_peak+_1202	RTS_R4+_1082	3668915		NT
MU-1275	3670415	3671440	RNAP_peak+_1203	RTS_R4+_1083	3670379		yhjC
MU-1276	3671465	3672390	RNAP_peak+_1204	RTS_R4+_1084	3671355		yhjD
MU-1277	3672815	3674340	RNAP_peak+_1205	RTS_R4+_1085	3672780;3672782	pORF+_3672809	yhjE
MU-1278	3677365	3678315	RNAP_peak+_1206	RTS_R4+_1086	3677415	pORF+_3677094	kdgK
MU-1279	3694466	3697866	RNAP_peak+_1207	RTS_R4+_1087	3694420;3694466	pORF+_3694481;pORF+_3696237	bcsE-bcsF-bcsG
MU-1280	3698241	3698266	RNAP_peak+_1208	RTS_R4+_1088	3698161		rdID
MU-1281	3698491	3699141	RNAP_peak+_1209	RTS_R4+_1089	3698565		yhjV
MU-1282	3699691	3699816	RNAP_peak+_1210	RTS_R4+_1090	3699582		NT
MU-1283	3705969	3706294	RNAP_peak+_1211	RTS_R4+_1091	3705912		NT
MU-1284	3710794	3712169	RNAP_peak+_1212	RTS_R4+_1092	3710942		tag-yiaC
MU-1285	3714569	3715194	RNAP_peak+_1213	RTS_R4+_1093	3714525	pORF+_3714570	yiaD
MU-1286	3715319	3716269	RNAP_peak+_1214	RTS_R4+_1094	3715310	pORF+_3715321	ghrB
MU-1287	3717469	3717794	RNAP_peak+_1215	RTS_R4+_1095	3717454;3717461;3717466		yiaG
MU-1288	3717919	3718244	RNAP_peak+_1216	RTS_R4+_1096	3717912;3718038	pORF+_3718072	cspA
MU-1289	3718703	3720072	RNAP_peak+_1217		3718397	pORF+_3719221	insJ-insK
MU-1290	3720094	3720169	RNAP_peak+_1218	RTS_R4+_1097			sokA
MU-1291	3724369	3724869	RNAP_peak+_1219	RTS_R4+_1098	3723922		wech
MU-1292	3729154	3732924	RNAP_peak+_1220		3729092	pORF+_3729076	xyIF-xyIG-xyIH
MU-1293	3732896	3734246	RNAP_peak+_1221	RTS_R4+_1099	3732937		xyIR
MU-1294	3735101	3737326	RNAP_peak+_1222	RTS_R4+_1100	3735030;3735218		malS
MU-1295	3737726	3739276	RNAP_peak+_1223	RTS_R4+_1101	3737697	pORF+_3737623	avtA
MU-1296	3740756	3748804	RNAP_peak+_1224		3740696	pORF+_3744117;pORF+_3746600	yiaK-yiaL-yiaM-yiaN-yiaO-lyx-sgbH-sgbU-sgbE
MU-1297	3748941	3749132					ysaD
MU-1298	3749926	3750676	RNAP_peak+_1225	RTS_R4+_1102	3749991		yiaU
MU-1299	3760152	3763827	RNAP_peak+_1226	RTS_R4+_1103	3760215		rhsA
MU-1300	3764127	3764977	RNAP_peak+_1227	RTS_R4+_1104	3764190;3764321;3764326	pORF+_3764345	yibA
MU-1301	3765052	3766027	RNAP_peak+_1228	RTS_R4+_1105	3764936		yibJ
MU-1302	3766252	3767202	RNAP_peak+_1229	RTS_R4+_1106		pORF+_3766986	yibG-yibS-yibW
MU-1303	3767368	3767703	RNAP_peak+_1230		3767397		yibV
MU-1304	3767971	3768169	RNAP_peak+_1231				yibU
MU-1305	3770177	3772327	RNAP_peak+_1232	RTS_R4+_1107	3770149;3770212	pORF+_3770304	mtIA
MU-1306	3772427	3774002	RNAP_peak+_1233	RTS_R4+_1108	3772407;3772421;3772428;3772439	pORF+_3772129	mtID-mtIR
MU-1307	3774677	3775127	RNAP_peak+_1234	RTS_R4+_1109	3774659	pORF+_3774688	yibL

MU-1308	3775377	3779127	RNAP_peak+_1235	RTS_R4+_1110	3775315	pORF+_3775395;pORF+_3777850	IldP-IldR-IldD
MU-1309	3779252	3779702	RNAP_peak+_1236	RTS_R4+_1111	3779202	pORF+_3779238	yibK
MU-1310	3783102	3784902	RNAP_peak+_1237	RTS_R4+_1112	3783229;3783250;3783255;3783260	pORF+_3783139	gpmM
MU-1311	3784952	3785877	RNAP_peak+_1238	RTS_R4+_1113	3784837;3784987;3785034	pORF+_3784837	envC
MU-1312	3785902	3787177	RNAP_peak+_1239	RTS_R4+_1114	3786063	pORF+_3786124	yibQ
MU-1313	3791802	3795002	RNAP_peak+_1240	RTS_R4+_1115	3791776;3791833;3791962;3791993	pORF+_3792010;pORF+_3792952	rfaD-rfaF-rfaC
MU-1314	3795077	3796177	RNAP_peak+_1241	RTS_R4+_1116	3794947;3795078	pORF+_3794971	rfaL
MU-1315	3806556	3807431	RNAP_peak+_1242	RTS_R4+_1117	3806539	pORF+_3806563	waaA
MU-1316	3807456	3808431	RNAP_peak+_1243	RTS_R4+_1118	3807344	pORF+_3807680	coaD
MU-1317	3810656	3811681	RNAP_peak+_1244	RTS_R4+_1119	3810724	pORF+_3810682	dfp
MU-1318	3811706	3813081	RNAP_peak+_1245	RTS_R4+_1120	3811780;3811866	pORF+_3811952;pORF+_3812475	dut-slmA
MU-1319	3814706	3815581	RNAP_peak+_1246	RTS_R4+_1121	3814671;3814680	pORF+_3814699	yicC
MU-1320	3815783	3816607	RNAP_peak+_1247		3815738		dinD
MU-1321	3816897	3817514				pORF+_3816843	yicG
MU-1322	3819431	3820106	RNAP_peak+_1248	RTS_R4+_1122	3819411;3819419;3819424	pORF+_3819394	gmk
MU-1323	3820131	3825281	RNAP_peak+_1249	RTS_R4+_1123	3819942;3819946;3820008;3820101;3820103	pORF+_3820129;pORF+_3820423;pORF+_3822538;pORF+_3823200	rpoZ-spoT-trmH-recG
MU-1324	3826956	3828331	RNAP_peak+_1250	RTS_R4+_1124	3826943;3826958	pORF+_3826959	yicE
MU-1325	3828481	3830181	RNAP_peak+_1251	RTS_R4+_1125	3828454	pORF+_3828456	yicH
MU-1326	3834206	3834356	RNAP_peak+_1252	RTS_R4+_1126	3834176		selC
MU-1327	3834448	3834579	RNAP_peak+_1253				yicT
MU-1328	3834976	3836160	RNAP_peak+_1254				setC
MU-1329	3836256	3837206	RNAP_peak+_1255	RTS_R4+_1127	3836236		yicL
MU-1330	3838031	3838531	RNAP_peak+_1256	RTS_R4+_1128	3838038		yicS
MU-1331	3842156	3843556	RNAP_peak+_1257	RTS_R4+_1129	3841958;3841961;3842137;3842154	pORF+_3841987	ade
MU-1332	3851383	3851683	RNAP_peak+_1258	RTS_R4+_1130	3851354		tisA-tisB
MU-1333	3852008	3852958	RNAP_peak+_1259	RTS_R4+_1131			emrD
MU-1334	3854458	3854683	RNAP_peak+_1260	RTS_R4+_1132	3854453		yidI
MU-1335	3856958	3857133	RNAP_peak+_1261	RTS_R4+_1133			NT
MU-1336	3858276	3859199	RNAP_peak+_1262		3858282		yidL
MU-1337	3861922	3862638			3861646		yidP
MU-1338	3865583	3866558	RNAP_peak+_1263	RTS_R4+_1134	3865466;3865740;3865744;3865754	pORF+_3865676	yidQ
MU-1339	3867400	3868464	RNAP_peak+_1264		3867376		cbrA
MU-1340	3873368	3874168	RNAP_peak+_1265	RTS_R4+_1135	3873331;3873461		yidX
MU-1341	3882121	3883046	RNAP_peak+_1266	RTS_R4+_1136	3882073;3882139;3882227;3882262;3882331	pORF+_3882359;pORF+_3882516	rpmH-rnpA-yidD
MU-1342	3883071	3884746	RNAP_peak+_1267	RTS_R4+_1137	3883077	pORF+_3883099	yidC
MU-1343	3884796	3886171	RNAP_peak+_1268	RTS_R4+_1138	3884796	pORF+_3884851	mnmE
MU-1344	3886397	3886547	RNAP_peak+_1269	RTS_R4+_1139	3886434		tnaC

MU-1345	3886753	3888168	RNAP_peak+_1270		3886568		pORF+_3886738	tnaA
MU-1346	3888259	3889506	RNAP_peak+_1271					tnaB
MU-1347	3889638	3890813						mdtL
MU-1348	3890747	3891547		RTS_R4+_1140	3890742			yidZ
MU-1349	3891822	3893372	RNAP_peak+_1272	RTS_R4+_1141	3891852;3891875		pORF+_3892675	yieE-yieF
MU-1350	3894722	3895447	RNAP_peak+_1273	RTS_R4+_1142	3894574;3894698		pORF+_3894797	yieH
MU-1351	3895622	3896622	RNAP_peak+_1274	RTS_R4+_1143	3895504;3895618			cbrB-cbrC
MU-1352	3902422	3902897	RNAP_peak+_1275	RTS_R4+_1144	3902442			NT
MU-1353	3920657	3920907	RNAP_peak+_1276	RTS_R4+_1145	3920627			NT
MU-1354	3925182	3926082	RNAP_peak+_1277	RTS_R4+_1146	3925155		pORF+_3925178	asnA
MU-1355	3929132	3931157	RNAP_peak+_1278	RTS_R4+_1147	3929239		pORF+_3929339	kup
MU-1356	3931382	3935157	RNAP_peak+_1279	RTS_R4+_1148	3931345		pORF+_3931338;pORF+_3931801;pORF+_3934295	rbsD-rbsA-rbsC-rbsB
MU-1357	3935182	3936057	RNAP_peak+_1280	RTS_R4+_1149	3935178;3935192		pORF+_3935290	rbsK
MU-1358	3936082	3937107	RNAP_peak+_1281	RTS_R4+_1150	3936225		pORF+_3936250	rbsR
MU-1359	3939482	3944885	RNAP_peak+_1282	RTS_R4+_1151	3939656;3939830			rrsC-gltU-rrlC-rrfC
MU-1360	3944910	3944963	RNAP_peak+_1283	RTS_R4+_1152				aspT
MU-1361	3944988	3945038	RNAP_peak+_1284	RTS_R4+_1153				trpT
MU-1362	3946088	3946438	RNAP_peak+_1285	RTS_R4+_1154	3946073;3946081;3946093		pORF+_3946109	yifE
MU-1363	3946488	3946713	RNAP_peak+_1286	RTS_R4+_1155	3946474			NT
MU-1364	3948288	3954886	RNAP_peak+_1287	RTS_R4+_1156	3948313;3948461		pORF+_3948583;pORF+_3949646;pORF+_3950441;pORF+_3951501;pORF+_3953354	ilvL-ilvG-ilvM-ilvE-ilvD-ilvA
MU-1365	3955961	3957686	RNAP_peak+_1288	RTS_R4+_1157	3955939;3955960;3955969;3955977;3955987		pORF+_3955858	ilvC
MU-1366	3958686	3960711	RNAP_peak+_1289	RTS_R4+_1158	3958673		pORF+_3958649	rep
MU-1367	3963411	3963686	RNAP_peak+_1290	RTS_R4+_1159	3963396			NT
MU-1368	3963711	3964236	RNAP_peak+_1291	RTS_R4+_1160	3963673;3963683;3963702;3963714;3963763		pORF+_3963679	trxA
MU-1369	3964261	3965636	RNAP_peak+_1292	RTS_R4+_1161	3964185;3964218;3964227;3964270		pORF+_3964368	rho
MU-1370	3965786	3966962	RNAP_peak+_1293	RTS_R4+_1162	3965913;3965919			rfe
MU-1371	3966987	3968262	RNAP_peak+_1294	RTS_R4+_1163	3966885;3966887;3967150;3967199		pORF+_3967051	wzzE
MU-1372	3968312	3978637	RNAP_peak+_1295	RTS_R4+_1164	3968173;3968253		pORF+_3968114;pORF+_3969283;pORF+_3970545;pORF+_3971631;pORF+_3973169;pORF+_3974301;pORF+_3975548;pORF+_3976624;pORF+_3977979	rffE-rffD-rffG-rffH-rffC-rffA-wzxE-rffT-wzyE-rffM
MU-1373	3978862	3980312	RNAP_peak+_1296	RTS_R4+_1165	3978846			yifK
MU-1374	3980337	3980837	RNAP_peak+_1297	RTS_R4+_1166	3980385;3980398			argX-hisR-leuT-proM
MU-1375	3980981	3982216	RNAP_peak+_1298		3980943			aslB
MU-1376	3984387	3984612	RNAP_peak+_1299	RTS_R4+_1167	3984454			glmZ
MU-1377	3988812	3988912	RNAP_peak+_1300	RTS_R4+_1168	3988860;3988889			NT

MU-1378	3988987	3991765	RNAP_peak+_1301	RTS_R4+_1169	3988975;3989022;3989081;3989090	pORF+_3989176	cyaA
MU-1379	3992490	3995915	RNAP_peak+_1302	RTS_R4+_1170	3992514;3992528	pORF+_3992545;pORF+_3992782;pORF+_3993606;pORF+_3994310;pORF+_3995206	yifL-dapF-yigA-xerC-yigB
MU-1380	3995965	3998240	RNAP_peak+_1303	RTS_R4+_1171	3995930	pORF+_3995817	uvrD
MU-1381	3999090	4000390	RNAP_peak+_1304	RTS_R4+_1172	3999215;3999221;3999296;3999326	pORF+_3999434	corA
MU-1382	4002865	4003790	RNAP_peak+_1305	RTS_R4+_1173	4002838;4002852	pORF+_4002885	pldA
MU-1383	4003890	4006465	RNAP_peak+_1306	RTS_R4+_1174	4003859;4003866	pORF+_4003881	recQ-rhtC
MU-1384	4007115	4008965	RNAP_peak+_1307	RTS_R4+_1175	4007163	pORF+_4007193;pORF+_4008097	pldB-yigL
MU-1385	4009115	4009790	RNAP_peak+_1308	RTS_R4+_1176	4008982		yigM
MU-1386	4010915	4013515	RNAP_peak+_1309	RTS_R4+_1177	4010909;4010915;4010921;4010925;4010930;4010939;4010946;4010954;4011033;4011040;4011050;4011057	pORF+_4011076	metE
MU-1387	4014040	4016465	RNAP_peak+_1310	RTS_R4+_1178	4014410;4014418;4014427	pORF+_4014448;pORF+_4015356	udp-rmuC
MU-1388	4016590	4019940	RNAP_peak+_1311	RTS_R4+_1179	4016743	pORF+_4016878;pORF+_4017602;pORF+_4018249	ubiE-yigP-ubiB
MU-1389	4019965	4022440	RNAP_peak+_1312	RTS_R4+_1180	4019890;4019932;4019999	pORF+_4019926;pORF+_4020241	tatA-tatB-tatC-tatD
MU-1390	4022865	4025690	RNAP_peak+_1313	RTS_R4+_1181	4022835;4022995	pORF+_4023011;pORF+_4024517	ubiD-fre
MU-1391	4029117	4031117	RNAP_peak+_1314	RTS_R4+_1182	4029153;4029161	pORF+_4029184	pepQ-yigZ
MU-1392	4031142	4033192	RNAP_peak+_1315	RTS_R4+_1183	4031257;4031295	pORF+_4031168;pORF+_4032631	trkH-hemG
MU-1393	4033217	4038670	RNAP_peak+_1316	RTS_R4+_1184	4033095		rrsA-ileT-alaT-rrlA-rrfA
MU-1394	4040095	4040420	RNAP_peak+_1317	RTS_R4+_1185	4040070	pORF+_4040062	yihD
MU-1395	4040445	4041350	RNAP_peak+_1318	RTS_R4+_1186	4040414	pORF+_4040438	rdoA
MU-1396	4041375	4042050	RNAP_peak+_1319	RTS_R4+_1187	4041400;4041406	pORF+_4041441	dsbA
MU-1397	4042222	4043652	RNAP_peak+_1320				yihF
MU-1398	4044881	4047756	RNAP_peak+_1321	RTS_R4+_1188	4044962	pORF+_4044989	polA
MU-1399	4047806	4048031	RNAP_peak+_1322	RTS_R4+_1189	4047922		spf
MU-1400	4049006	4049256	RNAP_peak+_1323	RTS_R4+_1190	4049059		csrC
MU-1401	4049356	4051656	RNAP_peak+_1324	RTS_R4+_1191	4049330	pORF+_4049307;pORF+_4050062	yihI-hemN
MU-1402	4056306	4058231	RNAP_peak+_1325	RTS_R4+_1192	4056196;4056241;4056270;4056298;4056405	pORF+_4056430	typA
MU-1403	4058470	4060168			4058442		yihL-yihM
MU-1404	4059188	4060168	RNAP_peak+_1326		4059011	pORF+_4059188	yihM
MU-1405	4060270	4061535	RNAP_peak+_1327				yihN
MU-1406	4071783	4073883		RTS_R4+_1193	4071765	pORF+_4072668;pORF+_4073555	yihV-yihW

MU-1407	4073908	4076458	RNAP_peak+_1328	RTS_R4+_1194	4073552		pORF+_4075038;pORF+_4075472	yihX-yihY-dtd-yiiD
MU-1408	4077320	4077532	RNAP_peak+_1329					yiiE
MU-1409	4077774	4077992	RNAP_peak+_1330		4077718			yiiF
MU-1410	4084008	4084808	RNAP_peak+_1331	RTS_R4+_1195	4083961		pORF+_4084039	fdhD
MU-1411	4085025	4086080	RNAP_peak+_1332					yiiG
MU-1412	4095759	4097517			4095703;4095774			rhaS-rhaR
MU-1413	4098795	4100670	RNAP_peak+_1333	RTS_R4+_1196	4098782;4098787;4098818;4098831		pORF+_4098827	sodA-kdgT
MU-1414	4100845	4101595	RNAP_peak+_1334	RTS_R4+_1197	4100809;4100821;4100823		pORF+_4100815	yiiM
MU-1415	4103820	4104370	RNAP_peak+_1335	RTS_R4+_1198	4103808		pORF+_4103840	cpxP
MU-1416	4104495	4105420	RNAP_peak+_1336	RTS_R4+_1199	4104313;4104353;4104472		pORF+_4104474	fieF
MU-1417	4105445	4106695	RNAP_peak+_1337	RTS_R4+_1200	4105495;4105542;4105548;4105554;4105562		pORF+_4105479	pfkA
MU-1418	4106820	4107820	RNAP_peak+_1338	RTS_R4+_1201	4106828		pORF+_4106857	sbp
MU-1419	4107998	4108648	RNAP_peak+_1339	RTS_R4+_1202			pORF+_4107761	cdh
MU-1420	4110098	4110748	RNAP_peak+_1340	RTS_R4+_1203	4110278			yiiR
MU-1421	4110873	4111773	RNAP_peak+_1341	RTS_R4+_1204	4110750;4110954		pORF+_4110990;pORF+_4111316	yiiS-uspD
MU-1422	4116373	4116973	RNAP_peak+_1342	RTS_R4+_1205	4116450;4116458;4116467;4116471;4116502;4116519;4116526		pORF+_4116520	yiiU
MU-1423	4120423	4120548	RNAP_peak+_1343	RTS_R4+_1206	4120392			NT
MU-1424	4124898	4125248	RNAP_peak+_1344	RTS_R4+_1207	4124936;4124969;4124975		pORF+_4125036	rpmE
MU-1425	4126673	4130348	RNAP_peak+_1345	RTS_R4+_1208	4126658		pORF+_4126518;pORF+_4127858	metB-metL
MU-1426	4130598	4131723	RNAP_peak+_1346	RTS_R4+_1209	4130573;4130610		pORF+_4130639	metF
MU-1427	4131773	4134373	RNAP_peak+_1347	RTS_R4+_1210	4131813;4131817;4131823;4131834		pORF+_4131819	katG
MU-1428	4134131	4135036	RNAP_peak+_1348					yijE
MU-1429	4140553	4145502						frwC-frwB-pflD-pflC-frwD
MU-1430	4148473	4149398	RNAP_peak+_1349	RTS_R4+_1211	4148383			NT
MU-1431	4151198	4151773	RNAP_peak+_1350	RTS_R4+_1212	4151359			NT
MU-1432	4152948	4156423	RNAP_peak+_1351	RTS_R4+_1213	4152908;4153001		pORF+_4153024;pORF+_4154003;pORF+_4154873	argC-argB-argH
MU-1433	4156498	4157323	RNAP_peak+_1352	RTS_R4+_1214	4156479;4156517		pORF+_4156483	oxyR
MU-1434	4159110	4160385	RNAP_peak+_1353	RTS_R4+_1215	4159102;4159117		pORF+_4159051	fabR-yijD
MU-1435	4161435	4163285	RNAP_peak+_1354	RTS_R4+_1216	4161428		pORF+_4161617	btuB
MU-1436	4163360	4164385	RNAP_peak+_1355	RTS_R4+_1217	4163423		pORF+_4163439	murI
MU-1437	4164410	4169785	RNAP_peak+_1356	RTS_R4+_1218	4164242			rrsB-gltT-rrlB-rrfB
MU-1438	4169960	4172035	RNAP_peak+_1357	RTS_R4+_1219	4170057		pORF+_4170080;pORF+_4171105	murB-birA
MU-1439	4173285	4175260	RNAP_peak+_1358	RTS_R4+_1220	4173311;4173411		pORF+_4173967	thrU-tyrU-glyT-thrT-tufB
MU-1440	4175285	4176335	RNAP_peak+_1359	RTS_R4+_1221	4175236;4175269;4175319		pORF+_4175381;pORF+_4175766	secE-nusG

MU-1441	4176360	4177535	RNAP_peak+_1360	RTS_R4+_1222	4176380;4176412	pORF+_4176470;pORF+_4176902	rplK-rplA
MU-1442	4177560	4178985	RNAP_peak+_1361	RTS_R4+_1223	4177606;4177645;4177802;4177842;4177902;4177941	pORF+_4178019;pORF+_4178583	rplJ-rplL
MU-1443	4179035	4187589	RNAP_peak+_1362	RTS_R4+_1224	4179085;4179145;4179160;4179201	pORF+_4179235;pORF+_4183373	rpoB-rpoC
MU-1444	4187809	4188348	RNAP_peak+_1363		4187644		yjaZ
MU-1445	4194749	4195549	RNAP_peak+_1364	RTS_R4+_1225	4194721;4194727	pORF+_4194926	nudC
MU-1446	4195574	4196874	RNAP_peak+_1365	RTS_R4+_1226	4195715;4195747	pORF+_4195739	hemE
MU-1447	4196924	4197524	RNAP_peak+_1366	RTS_R4+_1227	4196733	pORF+_4196807	nfi
MU-1448	4197549	4198124	RNAP_peak+_1367	RTS_R4+_1228	4197503	pORF+_4197527	yjaG
MU-1449	4198149	4199324	RNAP_peak+_1368	RTS_R4+_1229	4198163;4198199	pORF+_4198304	hupA-yjaH
MU-1450	4199949	4201099		RTS_R4+_1230	4199842		zraS
MU-1451	4201274	4202599	RNAP_peak+_1369	RTS_R4+_1231	4201161;4201236		zraR
MU-1452	4205800	4211177	RNAP_peak+_1370	RTS_R4+_1232	4205995		rrsE-gltV-rrlE-rrfE
MU-1453	4211257	4211640	RNAP_peak+_1371			pORF+_4211221	yjaA
MU-1454	4212227	4213252	RNAP_peak+_1372	RTS_R4+_1233	4212258;4212274	pORF+_4212303	metA
MU-1455	4213452	4216527	RNAP_peak+_1373	RTS_R4+_1234	4213427;4213455	pORF+_4213483;pORF+_4215117	aceB-aceA
MU-1456	4216552	4218602	RNAP_peak+_1374	RTS_R4+_1235	4216684;4216688	pORF+_4216619	aceK
MU-1457	4221832	4225507	RNAP_peak+_1375	RTS_R4+_1236	4221807;4221810	pORF+_4221830	methH
MU-1458	4225657	4227382	RNAP_peak+_1376	RTS_R4+_1237	4225603;4225625	pORF+_4225754	yjbB
MU-1459	4228382	4229283	RNAP_peak+_1377	RTS_R4+_1238	4228359	pORF+_4228377	rluF
MU-1460	4231608	4233558	RNAP_peak+_1378	RTS_R4+_1239	4231740;4231744;4231747;4231755;4231763	pORF+_4231775	pgi
MU-1461	4234033	4237583	RNAP_peak+_1379	RTS_R4+_1240	4233961		yjbE-yjbF-yjbG-yjbH
MU-1462	4238333	4239233	RNAP_peak+_1380	RTS_R4+_1241	4238446		psiE
MU-1463	4244834	4248459	RNAP_peak+_1381	RTS_R4+_1242	4245009	pORF+_4244717;pORF+_4245994;pORF+_4247568	malK-lamB-malM
MU-1464	4248726	4250306	RNAP_peak+_1382		4248736		yjbI
MU-1465	4250434	4251959	RNAP_peak+_1383	RTS_R4+_1243	4250505	pORF+_4250418	ubiC-ubiA
MU-1466	4254492	4255092	RNAP_peak+_1384	RTS_R4+_1244	4254480;4254510	pORF+_4254660	dgkA
MU-1467	4255142	4255667	RNAP_peak+_1385	RTS_R4+_1245	4255110	pORF+_4255138	lexA
MU-1468	4256117	4257117		RTS_R4+_1246			dinF
MU-1469	4257242	4257442	RNAP_peak+_1386	RTS_R4+_1247	4257202	pORF+_4257254	yjbJ
MU-1470	4258344	4259329	RNAP_peak+_1387		4258190		yjbL-yjbM
MU-1471	4259567	4261117	RNAP_peak+_1388	RTS_R4+_1248	4259493;4259617	pORF+_4259686	dusA-ppspG
MU-1472	4262342	4264792	RNAP_peak+_1389	RTS_R4+_1249	4262309	pORF+_4262337;pORF+_4263805	dnaB-alr
MU-1473	4265117	4266317		RTS_R4+_1250	4265105	pORF+_4265095	tyrB
MU-1474	4267417	4267942	RNAP_peak+_1390	RTS_R4+_1251	4267378	pORF+_4267197	aphA
MU-1475	4268267	4269367	RNAP_peak+_1391	RTS_R4+_1252	4268237;4268243	pORF+_4268261;pORF+_4268681	yjbQ-yjbR
MU-1476	4272067	4272967	RNAP_peak+_1392	RTS_R4+_1253	4272113;4272121;4272127	pORF+_4272085	ssb
MU-1477	4273442	4275092	RNAP_peak+_1393	RTS_R4+_1254	4273426		yjcC
MU-1478	4275492	4275942	RNAP_peak+_1394	RTS_R4+_1255	4275329;4275468		soxR

MU-1479	4276367	4277842	RNAP_peak+_1395	RTS_R4+_1256	4276331;4276341	pORF+_4276502	yjcD
MU-1480	4277967	4279592	RNAP_peak+_1396	RTS_R4+_1257	4277939	pORF+_4278003	yjcE
MU-1481	4285787	4292162	RNAP_peak+_1397		4285433;4285560	pORF+_4285754;pORF+_4289511	nrfA-nrfB-nrfC-nrfD-nrfE-nrfF-nrfG
MU-1482	4292418	4294443	RNAP_peak+_1398	RTS_R4+_1258	4292398;4292518	pORF+_4292504	gltP
MU-1483	4304943	4305168	RNAP_peak+_1399	RTS_R4+_1259	4304901		NT
MU-1484	4311369	4311819	RNAP_peak+_1400	RTS_R4+_1260	4311281;4311290;4311337		rpiB
MU-1485	4311894	4312394	RNAP_peak+_1401	RTS_R4+_1261	4311869		yjdP
MU-1486	4325269	4326844	RNAP_peak+_1402	RTS_R4+_1262	4325082;4325135		yjdA
MU-1487	4327194	4327544	RNAP_peak+_1403	RTS_R4+_1263	4327165	pORF+_4327383	yjcZ
MU-1488	4328369	4330319	RNAP_peak+_1404	RTS_R4+_1264	4328343;4328375;4328415;4328430	pORF+_4328492	proP
MU-1489	4339944	4342944	RNAP_peak+_1405	RTS_R4+_1265	4339847;4339910	pORF+_4339934	melA-melB
MU-1490	4349848	4350473	RNAP_peak+_1406	RTS_R4+_1266	4349836	pORF+_4349866	yjdI-yjdJ
MU-1491	4350607	4351104	RNAP_peak+_1407				yjdK-yjdO
MU-1492	4359499	4359674		RTS_R4+_1267	4359542		NT
MU-1493	4366174	4366349	RNAP_peak+_1408	RTS_R4+_1268	4366136		NT
MU-1494	4366649	4367524	RNAP_peak+_1409	RTS_R4+_1269	4366642		fxsA
MU-1495	4368599	4368974	RNAP_peak+_1410	RTS_R4+_1270	4368639;4368675	pORF+_4368711	groS
MU-1496	4368999	4370724	RNAP_peak+_1411	RTS_R4+_1271	4368639;4368675;4368682;43686715;4368920;4368932;4368981;4368990	pORF+_4369048	groL
MU-1497	4370774	4371574	RNAP_peak+_1412	RTS_R4+_1272	4370784	pORF+_4370799	yjeI
MU-1498	4373624	4374299	RNAP_peak+_1413	RTS_R4+_1273	4373678	pORF+_4373722	efp
MU-1499	4374349	4374474	RNAP_peak+_1414	RTS_R4+_1274		pORF+_4374340	ecnA
MU-1500	4374549	4374774	RNAP_peak+_1415	RTS_R4+_1275	4374533	pORF+_4374576	ecnB
MU-1501	4374799	4375249	RNAP_peak+_1416	RTS_R4+_1276	4374822		sugE
MU-1502	4380549	4381599	RNAP_peak+_1417	RTS_R4+_1277	4380464;4380642	pORF+_4380621	poxA
MU-1503	4381862	4384041	RNAP_peak+_1418				yjeM-yjeN-yjeO
MU-1504	4389625	4390276	RNAP_peak+_1419	RTS_R4+_1278	4389584;4389592;4389598	pORF+_4389483	orn
MU-1505	4390302	4390727	RNAP_peak+_1420	RTS_R4+_1279	4390242		glyV-glyX-glyY
MU-1506	4391727	4393277	RNAP_peak+_1421	RTS_R4+_1280	4391699;4391960;4392051	pORF+_4392068	yjeF
MU-1507	4393302	4395102	RNAP_peak+_1422	RTS_R4+_1281	4393183	pORF+_4393608;pORF+_4394073	yjeE-amiB
MU-1508	4395127	4397377	RNAP_peak+_1423	RTS_R4+_1282	4395239	pORF+_4395432	mutL
MU-1509	4397402	4398233	RNAP_peak+_1424	RTS_R4+_1283	4396973;4397075;4397246;4397315;4397421	pORF+_4397275	miaA
MU-1510	4398258	4402308	RNAP_peak+_1425	RTS_R4+_1284	4398256;4398275	pORF+_4398311;pORF+_4398695;pORF+_4400061;pORF+_4401323	hfq-hflX-hflK-hflC
MU-1511	4402533	4402608	RNAP_peak+_1426	RTS_R4+_1285	4402337;4402348		yjeT
MU-1512	4402708	4404008	RNAP_peak+_1427	RTS_R4+_1286	4402683;4402688	pORF+_4402710	purA
MU-1513	4404058	4404133	RNAP_peak+_1428	RTS_R4+_1287	4403905;4403916		NT
MU-1514	4404183	4407233	RNAP_peak+_1429	RTS_R4+_1288	4404175	pORF+_4404213;pORF+_4404635	nsrR-rnr
MU-1515	4407258	4407933	RNAP_peak+_1430	RTS_R4+_1289	4407240;4407246	pORF+_4407298	rlmB



MU-1516	4408156	4409274	RNAP_peak+_1431		4407962		yjfI-yjfJ
MU-1517	4409325	4412214	RNAP_peak+_1432		4409333	pORF+_4411036	yjfK-yjfL-yjfM-yjfC
MU-1518	4412295	4413970	RNAP_peak+_1433	RTS_R4+_1290	4412272	pORF+_4412280	aidB
MU-1519	4414995	4415645	RNAP_peak+_1434	RTS_R4+_1291	4414959	pORF+_4414975	yjfP
MU-1520	4418003	4422409				pORF+_4420011	ulaA-ulaB-ulaC-ulaD-ulaE-ulaF
MU-1521	4422920	4424570	RNAP_peak+_1435	RTS_R4+_1292	4423048;4423050	pORF+_4423141;pORF+_4423862;pORF+_4424131	rpsF-priB-rpsR-rplI
MU-1522	4425145	4425170	RNAP_peak+_1436	RTS_R4+_1293	4424995		NT
MU-1523	4425717	4426118	RNAP_peak+_1437				ytfA
MU-1524	4426870	4427570	RNAP_peak+_1438	RTS_R4+_1294	4426887;4426894;4426931	pORF+_4426799	fkIB
MU-1525	4427795	4428945	RNAP_peak+_1439	RTS_R4+_1295	4427835	pORF+_4427887	cycA
MU-1526	4428970	4429870	RNAP_peak+_1440	RTS_R4+_1296	4428853;4429034;4429105		NT
MU-1527	4432145	4432845	RNAP_peak+_1441	RTS_R4+_1297	4432106		ytfH
MU-1528	4434620	4435570	RNAP_peak+_1442	RTS_R4+_1298	4434587;4434590;4434600	pORF+_4434778	cysQ
MU-1529	4435730	4436668	RNAP_peak+_1443				ytfI
MU-1530	4437170	4437470	RNAP_peak+_1444	RTS_R4+_1299	4437157		NT
MU-1531	4437496	4438096	RNAP_peak+_1445	RTS_R4+_1300	4437534;4437536;4437667		ytfK
MU-1532	4440222	4446247	RNAP_peak+_1446	RTS_R4+_1301	4440245;4440274;4440298;4440313	pORF+_4440405;pORF+_4442135;pORF+_4445917	ytfM-ytfN-ytfP
MU-1533	4446472	4447197	RNAP_peak+_1447	RTS_R4+_1302	4446453		chpS-chpB
MU-1534	4447947	4452772	RNAP_peak+_1448	RTS_R4+_1303	4447938;4447946	pORF+_4447985;pORF+_4449081	ytfQ-ytfR-ytfT-yjfF
MU-1535	4453797	4455297	RNAP_peak+_1449	RTS_R4+_1304	4453785	pORF+_4453808	mpl
MU-1536	4455997	4457372	RNAP_peak+_1450	RTS_R4+_1305	4455967	pORF+_4455982	pmbA
MU-1537	4457397	4457847	RNAP_peak+_1451	RTS_R4+_1306	4457596		cybC
MU-1538	4465406	4467460	RNAP_peak+_1452	RTS_R4+_1307	4465385;4465514;4465552	pORF+_4465648	mgtaA
MU-1539	4467510	4468660	RNAP_peak+_1453	RTS_R4+_1308	4467531		NT
MU-1540	4472160	4472785	RNAP_peak+_1454	RTS_R4+_1309	4472119;4472123	pORF+_4472147	yjgJ
MU-1541	4472885	4473360	RNAP_peak+_1455	RTS_R4+_1310	4472852	pORF+_4472876	yjgK
MU-1542	4473460	4475274	RNAP_peak+_1456		4473418		yjgL
MU-1543	4475235	4475410	RNAP_peak+_1457	RTS_R4+_1311	4475183		NT
MU-1544	4476435	4477010	RNAP_peak+_1458	RTS_R4+_1312	4476468	pORF+_4476496	rraB
MU-1545	4477753	4478949	RNAP_peak+_1459				yjgN
MU-1546	4484013	4486338	RNAP_peak+_1460	RTS_R4+_1313	4484153	pORF+_4484241;pORF+_4485338	yjgP-yjgQ
MU-1547	4492763	4493163	RNAP_peak+_1461	RTS_R4+_1314	4492620		idnK
MU-1548	4494438	4494513	RNAP_peak+_1462	RTS_R4+_1315	4494428		leuX
MU-1549	4494563	4495888	RNAP_peak+_1463	RTS_R4+_1316	4494472	pORF+_4494773	intB
MU-1550	4496038	4498088	RNAP_peak+_1464	RTS_R4+_1317	4496128		insC-insD
MU-1551	4499283	4499612	RNAP_peak+_1465				yjgZ
MU-1552	4502438	4504163	RNAP_peak+_1466	RTS_R4+_1318	4501862;4501907	pORF+_4503295	yjhB-yjhC-ythA
MU-1553	4504988	4505388	RNAP_peak+_1467	RTS_R4+_1319			yjhE-insO
MU-1554	4505538	4506163	RNAP_peak+_1468	RTS_R4+_1320	4505417		NT
MU-1555	4507063	4507888	RNAP_peak+_1469	RTS_R4+_1321	4506976		insO-yjhV
MU-1556	4516395	4517295	RNAP_peak+_1470	RTS_R4+_1322	4516534		insA-insB
MU-1557	4518845	4519845	RNAP_peak+_1471	RTS_R4+_1323	4518966		NT

MU-1558	4524020	4524345	RNAP_peak+_1472	RTS_R4+_1324	4524136		NT
MU-1559	4526020	4526445	RNAP_peak+_1473	RTS_R4+_1325	4525999		ryjB
MU-1560	4532145	4533145	RNAP_peak+_1474	RTS_R4+_1326	4532242		NT
MU-1561	4532814	4534054	RNAP_peak+_1475				yjhR
MU-1562	4534470	4534670	RNAP_peak+_1476	RTS_R4+_1327	4534426		NT
MU-1563	4538745	4539520	RNAP_peak+_1477	RTS_R4+_1328	4538709	pORF+_4538950	fimB
MU-1564	4539995	4540545	RNAP_peak+_1478	RTS_R4+_1329	4540073		fimE
MU-1565	4541046	4542496	RNAP_peak+_1479	RTS_R4+_1330	4541107	pORF+_4541138	fimA-fimI
MU-1566	4542546	4543946	RNAP_peak+_1480	RTS_R4+_1331	4542527	pORF+_4542327	fimC
MU-1567	4544046	4546871	RNAP_peak+_1481	RTS_R4+_1332	4544032;4544203		fimD-fimF-fimG
MU-1568	4546971	4547721	RNAP_peak+_1482	RTS_R4+_1333	4546952	pORF+_4546822	fimH
MU-1569	4548821	4548946		RTS_R4+_1334	4548770		NT
MU-1570	4549471	4552371		RTS_R4+_1335	4549544	pORF+_4549623;pORF+_4550924	uxuA-uxuB
MU-1571	4552521	4553346	RNAP_peak+_1483	RTS_R4+_1336	4552503;4552566	pORF+_4552599	uxuR
MU-1572	4554621	4555371	RNAP_peak+_1484	RTS_R4+_1337	4554785		yjiD
MU-1573	4558872	4559522		RTS_R4+_1338			kptA
MU-1574	4561397	4561723	RNAP_peak+_1485	RTS_R4+_1339	4561417		NT
MU-1575	4567021	4567941	RNAP_peak+_1486				yjiP
MU-1576	4567681	4568231	RNAP_peak+_1487	RTS_R4+_1340	4567522;4567539;4567626;4567630		NT
MU-1577	4569756	4569856	RNAP_peak+_1488	RTS_R4+_1341			yjiS
MU-1578	4570219	4574994	RNAP_peak+_1489	RTS_R4+_1342	4570182;4570222;4570371;4570385;4570406		yjiT-yjiV
MU-1579	4576569	4576694	RNAP_peak+_1490	RTS_R4+_1343	4576539		NT
MU-1580	4577895	4578045	RNAP_peak+_1491	RTS_R4+_1344	4577858		symR
MU-1581	4584974	4585949	RNAP_peak+_1492	RTS_R4+_1345	4584938;4584955	pORF+_4584972	mrr
MU-1582	4589749	4591149	RNAP_peak+_1493	RTS_R4+_1346	4589656	pORF+_4589680	tsr
MU-1583	4594049	4594924		RTS_R4+_1347	4594170		yjjN
MU-1584	4601500	4602860	RNAP_peak+_1494				yjjQ-bglJ
MU-1585	4603749	4604849	RNAP_peak+_1495	RTS_R4+_1348	4603800		yjjZ
MU-1586	4605824	4609024	RNAP_peak+_1496	RTS_R4+_1349	4605804	pORF+_4605826;pORF+_4606208;pORF+_4606669;pORF+_4607410	holD-rimI-yjjG-prfC
MU-1587	4609174	4610374	RNAP_peak+_1497	RTS_R4+_1350	4609175;4609257;4609269;4609356;4609391	pORF+_4609341	osmY-ytjA
MU-1588	4610424	4612649	RNAP_peak+_1498	RTS_R4+_1351	4610406	pORF+_4611504	yjjU-yjjV
MU-1589	4614224	4615274	RNAP_peak+_1499	RTS_R4+_1352	4614203		NT
MU-1590	4615324	4617449	RNAP_peak+_1500	RTS_R4+_1353	4615133;4615243;4615251;4615300;4615316	pORF+_4615322;pORF+_4616252	deoC-deoA
MU-1591	4617474	4619599	RNAP_peak+_1501	RTS_R4+_1354	4617590;4617600	pORF+_4617626;pORF+_4618849	deoB-deoD
MU-1592	4619799	4620949	RNAP_peak+_1502	RTS_R4+_1355	4619764		yjjJ
MU-1593	4622799	4625224	RNAP_peak+_1503	RTS_R4+_1356	4622879	pORF+_4622780;pORF+_4623887	serB-radA
MU-1594	4625249	4626849	RNAP_peak+_1504	RTS_R4+_1357	4625326	pORF+_4625317	nadR

MU-1595	4628724	4630699	RNAP_peak_+_1505	RTS_R4_+_1358	4628705;4628733	pORF_+_4628726	slt
MU-1596	4630749	4631274	RNAP_peak_+_1506	RTS_R4_+_1359	4630721;4630727	pORF_+_4630783	trpR
MU-1597	4631724	4632474	RNAP_peak_+_1507	RTS_R4_+_1360	4631778;4631788	pORF_+_4631820	ytjC
MU-1598	4633299	4635724	RNAP_peak_+_1508	RTS_R4_+_1361	4633345;4633366;4633418	pORF_+_4633544;pORF_+_4634030;pORF_+_4634719	creA-creB-creC
MU-1599	4636324	4637449	RNAP_peak_+_1509	RTS_R4_+_1362	4636134		creD
MU-1600	4638493	4638543	RNAP_peak_+_1510	RTS_R4_+_1363			yjjY
MU-1601	4638743	4639618	RNAP_peak_+_1511	RTS_R4_+_1364	4638666	pORF_+_4638944	yjtD
MU-1602	5450	6450	RNAP_peak_-_1	RTS_R4_-_1	6482	pORF_-_5683	yaaA
MU-1603	6800	8175	RNAP_peak_-_2	RTS_R4_-_2	8053		yaaJ
MU-1604	9975	10475	RNAP_peak_-_3	RTS_R4_-_3	10430		yaaH
MU-1605	10826	11226	RNAP_peak_-_4	RTS_R4_-_4			yaaW-yaaI
MU-1606	16201	17176	RNAP_peak_-_5	RTS_R4_-_5	17146		hokC-mokC
MU-1607	19826	20651	RNAP_peak_-_6	RTS_R4_-_6	20599		insB-insA
MU-1608	20801	21201	RNAP_peak_-_7	RTS_R4_-_7	21112;21118;21159;21207	pORF_-_20815	rpsT
MU-1609	34759	36409	RNAP_peak_-_8	RTS_R4_-_8	36281;36358;36430;36489		caiE-caiD
MU-1610	36459	37684	RNAP_peak_-_9	RTS_R4_-_9	37942		caiC
MU-1611	38034	39909	RNAP_peak_-_10	RTS_R4_-_10	39918		caiB
MU-1612	39244	41931	RNAP_peak_-_11				caiA-caiT
MU-1613	50384	52034	RNAP_peak_-_12	RTS_R4_-_11	52034;52077;52084	pORF_-_50380	apaH-apaG
MU-1614	52059	52659	RNAP_peak_-_13	RTS_R4_-_12	52595;52654	pORF_-_51609	ksgA
MU-1615	52684	55284	RNAP_peak_-_14	RTS_R4_-_13	55387	pORF_-_52427;pORF_-_53416	pdxA-surA
MU-1616	55309	57384	RNAP_peak_-_15	RTS_R4_-_14	57156;57241;57253	pORF_-_54755	imp
MU-1617	59659	63559	RNAP_peak_-_16	RTS_R4_-_15	63357;63468;63531;63588	pORF_-_59687;pORF_-_60358	rluA-hepA
MU-1618	63734	65784	RNAP_peak_-_17	RTS_R4_-_16	65803		polB
MU-1619	66409	70034	RNAP_peak_-_18	RTS_R4_-_17	70077	pORF_-_65855;pORF_-_66835;pORF_-_68348	araD-araA-araB
MU-1620	72084	75859	RNAP_peak_-_19	RTS_R4_-_18	75664	pORF_-_72229;pORF_-_72911;pORF_-_74497	thiQ-thiP-tbpA-sroA
MU-1621	75934	77359	RNAP_peak_-_20	RTS_R4_-_19	77336	pORF_-_75644	sgrR
MU-1622	78734	83759	RNAP_peak_-_21	RTS_R4_-_20	83728;83735	pORF_-_78848;pORF_-_79464;pORF_-_80867;pORF_-_81958	leuD-leuC-leuB-leuA-leuL
MU-1623	111359	112759	RNAP_peak_-_22	RTS_R4_-_21	112699;112703;112757	pORF_-_111649;pORF_-_111856	yacG-yacF
MU-1624	112809	113284	RNAP_peak_-_23	RTS_R4_-_22	113322	pORF_-_112599	coaE
MU-1625	114459	117009	RNAP_peak_-_24	RTS_R4_-_23	117052		hofC-hofB
MU-1626	117109	117549					ppdD
MU-1627	117784	118659	RNAP_peak_-_25	RTS_R4_-_24	118679	pORF_-_117752	nadC
MU-1628	120034	121759	RNAP_peak_-_26	RTS_R4_-_25	121647;121676	pORF_-_120178	aroP
MU-1629	122697	122857					tp2
MU-1630	129407	131260	RNAP_peak_-_27				yacH
MU-1631	134796	136546	RNAP_peak_-_28	RTS_R4_-_26	136550	pORF_-_134788;pORF_-_135598	speD-speE
MU-1632	136596	136946	RNAP_peak_-_29	RTS_R4_-_27	136939;136942	pORF_-_136570	yacC
MU-1633	138696	141221	RNAP_peak_-_30	RTS_R4_-_28	141254;141263	pORF_-_138835	gcd

MU-1634	141996	142721 RNAP_peak_-_31	RTS_R4_-_29	142694;142703	pORF_-_142008	can
MU-1635	146250	146725 RNAP_peak_-_32	RTS_R4_-_30	146751;146754	pORF_-_146314	panD
MU-1636	147975	149601 RNAP_peak_-_33	RTS_R4_-_31	149617;149630	pORF_-_147944;pORF_-_148807	panC-panB
MU-1637	149715	150953 RNAP_peak_-_34				yadC
MU-1638	151003	152231 RNAP_peak_-_35				yadK-yadL
MU-1639	152243	155426 RNAP_peak_-_36			pORF_-_152829	yadM-htrE
MU-1640	155461	156201 RNAP_peak_-_37				ecpD
MU-1641	156299	156883 RNAP_peak_-_38				yadN
MU-1642	157351	159201 RNAP_peak_-_39	RTS_R4_-_32	159154;159166;159171	pORF_-_157253;pORF_-_157729	folk-pcnB
MU-1643	159251	160751 RNAP_peak_-_40	RTS_R4_-_33	160651;160657;160760	pORF_-_160149	yadB-dksA
MU-1644	160776	162026 RNAP_peak_-_41	RTS_R4_-_34	162053		sfsA-ligT
MU-1645	167026	167401 RNAP_peak_-_42	RTS_R4_-_35	167416		NT
MU-1646	173326	174976 RNAP_peak_-_43	RTS_R4_-_36	174907;174992	pORF_-_173602	hemL
MU-1647	176951	179151 RNAP_peak_-_44	RTS_R4_-_37	179181	pORF_-_178455	yadS-btuF-mtn
MU-1648	183607	184207 RNAP_peak_-_45	RTS_R4_-_38	184122;184124	pORF_-_183709	yaeH
MU-1649	184257	185069			pORF_-_184257	yaeI
MU-1650	184932	186032 RNAP_peak_-_46	RTS_R4_-_39	185972;185976;186073	pORF_-_184257;pORF_-_185123	dapD
MU-1651	186057	188657 RNAP_peak_-_47	RTS_R4_-_40		pORF_-_185978	glnD
MU-1652	188707	189707 RNAP_peak_-_48	RTS_R4_-_41	189532;189545;189553	pORF_-_188712	map-glnD
MU-1653	213557	214257 RNAP_peak_-_49	RTS_R4_-_42	214163	pORF_-_213678;pORF_-_213925	rof-yaeP
MU-1654	216179	217003 RNAP_peak_-_50				yaeF
MU-1655	217157	218832 RNAP_peak_-_51	RTS_R4_-_43	218831	pORF_-_217057	proS
MU-1656	218857	220032 RNAP_peak_-_52	RTS_R4_-_44	220022	pORF_-_218887;pORF_-_219591	yaeB-rcsF
MU-1657	220082	222682 RNAP_peak_-_53	RTS_R4_-_45	222714	pORF_-_220113;pORF_-_220968;pORF_-_221614	metQ-metI-metN
MU-1658	229962	230862 RNAP_peak_-_54	RTS_R4_-_46	230906	pORF_-_229967	yafC
MU-1659	232612	234062 RNAP_peak_-_55	RTS_R4_-_47	233980		mltD
MU-1660	234137	234863 RNAP_peak_-_56	RTS_R4_-_48	234821	pORF_-_234027	gloB
MU-1661	235288	236013 RNAP_peak_-_57	RTS_R4_-_49	236044	pORF_-_235535	rnhA
MU-1662	238257	239102 RNAP_peak_-_58				ykfM-yafU
MU-1663	239213	240188 RNAP_peak_-_59	RTS_R4_-_50	240216	pORF_-_239419	yafV
MU-1664	240863	243488 RNAP_peak_-_60	RTS_R4_-_51	243346	pORF_-_240859	fadE
MU-1665	245063	245888 RNAP_peak_-_61	RTS_R4_-_52	245825		yafK
MU-1666	245938	246563 RNAP_peak_-_62	RTS_R4_-_53	246533	pORF_-_246242	yafQ-dinJ
MU-1667	248363	250088 RNAP_peak_-_63	RTS_R4_-_54			lfhA
MU-1668	254263	255788 RNAP_peak_-_64	RTS_R4_-_55	255770;255776;255807	pORF_-_254259	pepD
MU-1669	258269	259324 RNAP_peak_-_65		259389	pORF_-_258269	phoE
MU-1670	261739	262364 RNAP_peak_-_66	RTS_R4_-_56	262302		NT
MU-1671	262374	264767			pORF_-_262914	ykfN-ykfi-yafW-ykfH-ykfG-yafX-ykfF
MU-1672	264839	265439 RNAP_peak_-_67	RTS_R4_-_57	265294	pORF_-_264844	ykfB

MU-1673	265334	266191				yafY-ykfL-ykfK
MU-1674	266408	267229				yafZ
MU-1675	267339	268239	RNAP_peak_-_68	RTS_R4_-_58	268252	ykfA
MU-1676	268513	269406	RNAP_peak_-_69			perR
MU-1677	273189	274364	RNAP_peak_-_70	RTS_R4_-_59		insH
MU-1678	277089	278414	RNAP_peak_-_71	RTS_R4_-_60		afuC-afuB
MU-1679	278464	279289	RNAP_peak_-_72	RTS_R4_-_61	279354;279384	insB-insA
MU-1680	279314	280014	RNAP_peak_-_73	RTS_R4_-_62	279978	insX-yagB
MU-1681	280053	281207				yagA
MU-1682	287515	288440	RNAP_peak_-_74	RTS_R4_-_63	288412	yagI
MU-1683	288490	289540	RNAP_peak_-_75	RTS_R4_-_64	289564	argF
MU-1684	289890	290590	RNAP_peak_-_76	RTS_R4_-_65	290655	insB-insA
MU-1685	291546	292172	RNAP_peak_-_77		292170	yagK
MU-1686	292444	294023				yagL-yagM
MU-1687	294440	294815	RNAP_peak_-_78	RTS_R4_-_66	294844	yagN
MU-1688	294940	296290	RNAP_peak_-_79	RTS_R4_-_67	296372	intF
MU-1689	296690	301840	RNAP_peak_-_80	RTS_R4_-_68	301863	pORF_-_294920 pORF_-_296994;pORF_-_300155 yagP-yagQ-yagR-yagS-yagT
MU-1690	303140	303490	RNAP_peak_-_81	RTS_R4_-_69	303428;303438	ykgJ
MU-1691	303665	305590	RNAP_peak_-_82	RTS_R4_-_70	305654	yagV
MU-1692	305840	309915	RNAP_peak_-_83	RTS_R4_-_71	309944	pORF_-_306031;pORF_-_309308 yagW-yagX-matC-matB
MU-1693	309970	310560	RNAP_peak_-_84			matA
MU-1694	311393	311993	RNAP_peak_-_85	RTS_R4_-_72	312027	pORF_-_311598;pORF_-_311738 ykgO-ykgM
MU-1695	312393	312468	RNAP_peak_-_86	RTS_R4_-_73	312456	NT
MU-1696	312940	313029	RNAP_peak_-_87			ykgP
MU-1697	315293	315668	RNAP_peak_-_88	RTS_R4_-_74	315721;315750	NT
MU-1698	315710	316393	RNAP_peak_-_89			ykgA
MU-1699	316950	317791	RNAP_peak_-_90			ykgB-ykgI
MU-1700	318268	319193	RNAP_peak_-_91	RTS_R4_-_75	319257	pORF_-_317900 ykgC
MU-1701	323920	324588	RNAP_peak_-_92			ykgH
MU-1702	324793	328568	RNAP_peak_-_93	RTS_R4_-_76	328585	pORF_-_326485;pORF_-_327971 betA-betB-betI
MU-1703	332893	333668		RTS_R4_-_77	333688	yahB
MU-1704	333749	334246	RNAP_peak_-_94			yahC
MU-1705	344818	345493	RNAP_peak_-_95	RTS_R4_-_78	345550	yahN
MU-1706	347318	347643	RNAP_peak_-_96	RTS_R4_-_79	347693	pORF_-_346081 prpR
MU-1707	356718	357893	RNAP_peak_-_97	RTS_R4_-_80	357932;357938	cynR
MU-1708	360473	361084	RNAP_peak_-_98			pORF_-_360473 lacA
MU-1709	361150	362403	RNAP_peak_-_99			pORF_-_361150 lacY
MU-1710	362455	365529				lacZ
MU-1711	365702	367727	RNAP_peak_-_100	RTS_R4_-_81	367754	pORF_-_365652;pORF_-_366811 lacI-mhpR
MU-1712	376552	377602	RNAP_peak_-_101	RTS_R4_-_82	377685	pORF_-_376759 frmB

MU-1713	377654	379129 RNAP_peak_-_102	RTS_R4_-_83	379124	pORF_-_377686;pORF_-_378830	frmA-frmR
MU-1714	379356	380506 RNAP_peak_-_103	RTS_R4_-_84	380428		yaiO-yaiX
MU-1715	381556	381781 RNAP_peak_-_104	RTS_R4_-_85			NT
MU-1716	381815	383159 RNAP_peak_-_105		383207		yaiX-yaiP
MU-1717	383283	383840 RNAP_peak_-_106		384055		yaiS
MU-1718	388036	388961 RNAP_peak_-_107	RTS_R4_-_86	388978	pORF_-_387977	hemB
MU-1719	390711	392586 RNAP_peak_-_108	RTS_R4_-_87	392607;392668	pORF_-_390963;pORF_-_391826	insF-insE
MU-1720	394461	395561 RNAP_peak_-_109	RTS_R4_-_88	395543;395587	pORF_-_394354	ampH
MU-1721	398279	398554 RNAP_peak_-_110	RTS_R4_-_89	398533		yaiY
MU-1722	399054	400329 RNAP_peak_-_111	RTS_R4_-_90	400176	pORF_-_399053	ddlA
MU-1723	402529	402879 RNAP_peak_-_112	RTS_R4_-_91	402878;402928		NT
MU-1724	404055	404880 RNAP_peak_-_113	RTS_R4_-_92	404905;404910	pORF_-_404059	proC
MU-1725	407530	407755 RNAP_peak_-_114	RTS_R4_-_93	407786		NT
MU-1726	408255	409255 RNAP_peak_-_115	RTS_R4_-_94	409274	pORF_-_408332	rdgC
MU-1727	410330	411731 RNAP_peak_-_116	RTS_R4_-_95	411748		araJ
MU-1728	411806	416181 RNAP_peak_-_117	RTS_R4_-_96	416200	pORF_-_411831;pORF_-_414974	sbcC-sbcD
MU-1729	418281	420281 RNAP_peak_-_118	RTS_R4_-_97	420346		NT
MU-1730	423531	424331 RNAP_peak_-_119	RTS_R4_-_98	424218		acpH
MU-1731	430284	431387 RNAP_peak_-_120	RTS_R4_-_99	431276;431302;431315;431348	pORF_-_430353	tsx
MU-1732	431587	432062 RNAP_peak_-_121	RTS_R4_-_100	432100		yajI
MU-1733	436087	437587 RNAP_peak_-_122	RTS_R4_-_101	437508	pORF_-_436385	yajO
MU-1734	437612	439622 RNAP_peak_-_123	RTS_R4_-_102	439624;439634	pORF_-_437539	dxs
MU-1735	439687	441162 RNAP_peak_-_124	RTS_R4_-_103	440597	pORF_-_439426;pORF_-_440325	ispA-xseB
MU-1736	442137	443762 RNAP_peak_-_125	RTS_R4_-_104	443779;443784	pORF_-_442275;pORF_-_442828	yajL-panE
MU-1737	444412	445687 RNAP_peak_-_126	RTS_R4_-_105	445520		yajR
MU-1738	445787	450912 RNAP_peak_-_127	RTS_R4_-_106	450858;450873;450877	pORF_-_447874;pORF_-_449887	cyoE-cyoD-cyoC-cyoB-cyoA
MU-1739	451437	453412 RNAP_peak_-_128	RTS_R4_-_107	453415;453421;453433	pORF_-_451294;pORF_-_452813	ampG-yajG
MU-1740	457952	458008 RNAP_peak_-_129				sraA
MU-1741	464105	464755 RNAP_peak_-_130	RTS_R4_-_108	464796	pORF_-_464076	queC
MU-1742	464980	466530 RNAP_peak_-_131	RTS_R4_-_109	466565;466570	pORF_-_464836	ybaE
MU-1743	473655	474405 RNAP_peak_-_132	RTS_R4_-_110	474425	pORF_-_473525	tesB
MU-1744	474955	475505 RNAP_peak_-_133	RTS_R4_-_111	475536		ybaZ
MU-1745	476355	477955 RNAP_peak_-_134	RTS_R4_-_112	477866	pORF_-_476291	ylaB
MU-1746	478005	478605 RNAP_peak_-_135	RTS_R4_-_113	478512		ylaC
MU-1747	478655	479280 RNAP_peak_-_136	RTS_R4_-_114		pORF_-_478591	maa
MU-1748	479305	480083 RNAP_peak_-_137	RTS_R4_-_115	480019	pORF_-_479314	hha-ybaJ
MU-1749	480508	484858 RNAP_peak_-_138	RTS_R4_-_116	484888;484914;484922;48495	pORF_-_480478;pORF_-_483650	acrB-acrA

MU-1750	484883	485283 RNAP_peak_-_139	RTS_R4_-_117	485310		NT
MU-1751	489133	490133 RNAP_peak_-_140	RTS_R4_-_118	490112	pORF_-_489509	ybaM-priC
MU-1752	490208	490633 RNAP_peak_-_141	RTS_R4_-_119	490663		NT
MU-1753	498558	499437 RNAP_peak_-_142	RTS_R4_-_120			aes
MU-1754	500662	502487 RNAP_peak_-_143	RTS_R4_-_121	502520;502564	pORF_-_500786	ybaL
MU-1755	502937	503912 RNAP_peak_-_144	RTS_R4_-_122	503954;504035;504044		fsr
MU-1756	505512	506389 RNAP_peak_-_145	RTS_R4_-_123	506369;506441;506463	pORF_-_505827	ybaK
MU-1757	506539	507339 RNAP_peak_-_146	RTS_R4_-_124	507321		ybaP
MU-1758	507814	510614 RNAP_peak_-_147	RTS_R4_-_125	510619;510635	pORF_-_508099	copA
MU-1759	513489	515014 RNAP_peak_-_148	RTS_R4_-_126	515049	pORF_-_514080	ybbJ-qmcA
MU-1760	516364	517489 RNAP_peak_-_149	RTS_R4_-_127	517529;517578;517583	pORF_-_516649	ybbN
MU-1761	517514	519039 RNAP_peak_-_150	RTS_R4_-_128	519021;519157	pORF_-_517564;pORF_-_518363	ybbO-tesA
MU-1762	528839	530589 RNAP_peak_-_151	RTS_R4_-_129	530470;530477	pORF_-_529356	ylbG-ybbB
MU-1763	530519	531445				allS
MU-1764	542489	544214 RNAP_peak_-_152	RTS_R4_-_130		pORF_-_542485	ylbA-allC
MU-1765	544538	545587 RNAP_peak_-_153				allD
MU-1766	550514	552339 RNAP_peak_-_154	RTS_R4_-_131	552365	pORF_-_550750;pORF_-_551814	purK-purE
MU-1767	552364	553764 RNAP_peak_-_155	RTS_R4_-_132	553683;553687;553713;553728;553781	pORF_-_553166	lpxH-ppiB
MU-1768	555414	555539 RNAP_peak_-_156	RTS_R4_-_133	555697		ybcI
MU-1769	555914	556989 RNAP_peak_-_157	RTS_R4_-_134	556998;557004	pORF_-_555884;pORF_-_556098	ybcJ-foID
MU-1770	563071	563703 RNAP_peak_-_158				fimZ
MU-1771	564139	565214 RNAP_peak_-_159	RTS_R4_-_135		pORF_-_564038	intD
MU-1772	565081	565599				xisD-exoD
MU-1773	566839	567239 RNAP_peak_-_160	RTS_R4_-_136	567403		NT
MU-1774	575009	576048 RNAP_peak_-_161			pORF_-_574981	nmpC
MU-1775	573816	574941 RNAP_peak_-_162	RTS_R4_-_137		pORF_-_573960	insH
MU-1776	574966	576066 RNAP_peak_-_163	RTS_R4_-_138	576080;576093	pORF_-_574981	nmpC
MU-1777	577574	578124 RNAP_peak_-_164	RTS_R4_-_139	578131;578144	pORF_-_577823	borD
MU-1778	578407	578817 RNAP_peak_-_165				ybcV
MU-1779	579553	579653 RNAP_peak_-_166	RTS_R4_-_140			ylcI
MU-1780	580590	580840 RNAP_peak_-_167	RTS_R4_-_141	580786		NT
MU-1781	581375	582029 RNAP_peak_-_168		582167		ybcY
MU-1782	583765	584865 RNAP_peak_-_169	RTS_R4_-_142	584873;584881;584887	pORF_-_583903	ompT
MU-1783	585365	586140 RNAP_peak_-_170	RTS_R4_-_143			envY
MU-1784	586565	590465 RNAP_peak_-_171	RTS_R4_-_144	590318;590483	pORF_-_586314;pORF_-_587205	ybcH-nfrA
MU-1785	590615	592390 RNAP_peak_-_172	RTS_R4_-_145	592554;592574		nfrB
MU-1786	592665	594645 RNAP_peak_-_173	RTS_R4_-_146	594681	pORF_-_592551;pORF_-_593983	cusS-cusR
MU-1787	596220	596320 RNAP_peak_-_174	RTS_R4_-_147	596419		NT
MU-1788	602745	603870 RNAP_peak_-_175	RTS_R4_-_148	603879		ybdG
MU-1789	604020	604645 RNAP_peak_-_176	RTS_R4_-_149	604668;604676	pORF_-_603994	nfsB

MU-1790	604670	605520 RNAP_peak_-_177	RTS_R4_-_150	605447	pORF_-_604741	ybdF-ybdJ
MU-1791	605645	606595 RNAP_peak_-_178	RTS_R4_-_151	606485	pORF_-_605488	ybdK
MU-1792	606920	606945 RNAP_peak_-_179	RTS_R4_-_152	607015		NT
MU-1793	608670	611820	RTS_R4_-_153	611838	pORF_-_609477	entD-fepA
MU-1794	618671	621421 RNAP_peak_-_180	RTS_R4_-_154	621457	pORF_-_618607	fepC-fepG-fepD
MU-1795	622671	624046 RNAP_peak_-_181	RTS_R4_-_155	623950	pORF_-_622777	fepB
MU-1796	631246	631521 RNAP_peak_-_182	RTS_R4_-_156	631486		NT
MU-1797	631596	632721 RNAP_peak_-_183	RTS_R4_-_157	632746	pORF_-_631612	ybdH
MU-1798	633970	635792 RNAP_peak_-_184			pORF_-_634572	ybdM-ybdN
MU-1799	635939	636841 RNAP_peak_-_185				ybdO
MU-1800	637071	637921 RNAP_peak_-_186	RTS_R4_-_158	637825	pORF_-_637050	dsbG
MU-1801	640674	641099 RNAP_peak_-_187	RTS_R4_-_159	641120;641126	pORF_-_640662	uspG
MU-1802	642856	643381 RNAP_peak_-_188	RTS_R4_-_160	643277;643288;643364	pORF_-_642780	rnk
MU-1803	643431	644231 RNAP_peak_-_189	RTS_R4_-_161	644257	pORF_-_643420	rna
MU-1804	644340	651079 RNAP_peak_-_190				citT-citG-citX-citF-citE-citD-citC
MU-1805	654099	655199 RNAP_peak_-_191	RTS_R4_-_162		pORF_-_653806	dcuC
MU-1806	656799	657174 RNAP_peak_-_192	RTS_R4_-_163	657190		crcB
MU-1807	658499	659474 RNAP_peak_-_193	RTS_R4_-_164	659474;659525	pORF_-_658474	lipA
MU-1808	659648	660601 RNAP_peak_-_194				ybeF
MU-1809	660924	661499 RNAP_peak_-_195	RTS_R4_-_165	661533	pORF_-_660860	lipB
MU-1810	661549	661874 RNAP_peak_-_196	RTS_R4_-_166	661929	pORF_-_661602	ybeD
MU-1811	661899	663130 RNAP_peak_-_197	RTS_R4_-_167	663224;663372	pORF_-_661975	dacA
MU-1812	663155	664555 RNAP_peak_-_198	RTS_R4_-_168	664555;664684	pORF_-_663325	rlpA
MU-1813	664580	668280 RNAP_peak_-_199	RTS_R4_-_169	668291;668296;668430	pORF_-_665539;pORF_-_667471;pORF_-_667942	mrdB-mrdA-ybeA-ybeB
MU-1814	668305	670230 RNAP_peak_-_200	RTS_R4_-_170	670132		cobC-nadD
MU-1815	670255	674180 RNAP_peak_-_201	RTS_R4_-_171	674060;674068	pORF_-_669797;pORF_-_670828;pORF_-_671424	holA-rlpB-leuS
MU-1816	675080	675705 RNAP_peak_-_202	RTS_R4_-_172	675831		ybeQ
MU-1817	678075	678629 RNAP_peak_-_203				ybeT
MU-1818	680980	682130 RNAP_peak_-_204	RTS_R4_-_173		pORF_-_680946	hscC
MU-1819	682705	683655	RTS_R4_-_174	683662	pORF_-_682700	rihA
MU-1820	683780	685905 RNAP_peak_-_205	RTS_R4_-_175	686066;686081	pORF_-_683753;pORF_-_685152	gltL-gltK-gltJ
MU-1821	685955	687105 RNAP_peak_-_206	RTS_R4_-_176	687035;687066;687077	pORF_-_686062	sroC-gltI
MU-1822	687130	688405 RNAP_peak_-_207	RTS_R4_-_177	688559	pORF_-_687220	insH
MU-1823	688655	691130 RNAP_peak_-_208	RTS_R4_-_178	691100	pORF_-_688566;pORF_-_690129	Int-ybeX
MU-1824	691155	692705 RNAP_peak_-_209	RTS_R4_-_179	692652;692659;692692	pORF_-_691097;pORF_-_691561	ybeY-ybeZ
MU-1825	692755	694205 RNAP_peak_-_210	RTS_R4_-_180	694214	pORF_-_692754	miaB
MU-1826	695655	696030 RNAP_peak_-_211	RTS_R4_-_181	696016		glnX-glnV-metU-glnW
MU-1827	696055	696530 RNAP_peak_-_212	RTS_R4_-_182	696389		glnU-leuW-metT
MU-1828	696555	698430 RNAP_peak_-_213	RTS_R4_-_183	698445	pORF_-_696736	asnB
MU-1829	698655	699580 RNAP_peak_-_214	RTS_R4_-_184	699578	pORF_-_698797	nagD
MU-1830	699630	700980 RNAP_peak_-_215	RTS_R4_-_185	700877;701088	pORF_-_699597	nagC



MU-1831	701005	702905 RNAP_peak_-_216	RTS_R4_-_186	702929	pORF_-_700826;pORF_-_702034	nagA-nagB
MU-1832	709430	710105 RNAP_peak_-_217	RTS_R4_-_187	709939;709945;709975;710003;710051	pORF_-_709423	fur-uof
MU-1833	710155	710780 RNAP_peak_-_218	RTS_R4_-_188	710719;710744;710819	pORF_-_710158	fldA
MU-1834	710830	712030 RNAP_peak_-_219	RTS_R4_-_189	712066	pORF_-_710828;pORF_-_711261	ybfE-ybF
MU-1835	715170	715820 RNAP_peak_-_220				ybfG
MU-1836	715944	716093 RNAP_peak_-_221				ybfI
MU-1837	716005	717680	RTS_R4_-_190	717567	pORF_-_717485	potE
MU-1838	717485	719683			pORF_-_717485	speF
MU-1839	720280	721055 RNAP_peak_-_222	RTS_R4_-_191	721191;721208;		kdpE
MU-1840	721080	723930 RNAP_peak_-_223	RTS_R4_-_192		pORF_-_720953	kdpD
MU-1841	723630	728044 RNAP_peak_-_224				kdpC-kdpB-kdpA-kdpF
MU-1842	740358	741858 RNAP_peak_-_225	RTS_R4_-_193	741892		ybgH
MU-1843	746283	747008 RNAP_peak_-_226	RTS_R4_-_194	747026		abrB
MU-1844	747144	752018 RNAP_peak_-_227				ybgO-ybgP-ybgQ-ybgD
MU-1845	752133	752208 RNAP_peak_-_228	RTS_R4_-_195	752400;752404		NT
MU-1846	752383	754008 RNAP_peak_-_229	RTS_R4_-_196	753894;753897;753901;753904;753919;753923;753995;754018	pORF_-_752408	gltA
MU-1847	764383	765083 RNAP_peak_-_230	RTS_R4_-_197	765122		mngR
MU-1848	783258	784033 RNAP_peak_-_231	RTS_R4_-_198	784070		zitB
MU-1849	784158	784658 RNAP_peak_-_232	RTS_R4_-_199	784607;784663;784685	pORF_-_784160	ybgS
MU-1850	786058	786933 RNAP_peak_-_233	RTS_R4_-_200	786855;786893;786905	pORF_-_786066	gpmA
MU-1851	787058	788233 RNAP_peak_-_234	RTS_R4_-_201	788097;788124	pORF_-_787020	galM
MU-1852	788258	791283 RNAP_peak_-_235	RTS_R4_-_202	791309	pORF_-_788054;pORF_-_789206;pORF_-_790262	galK-galT-galE
MU-1853	791558	793033 RNAP_peak_-_236	RTS_R4_-_203	793037	pORF_-_791539	modF
MU-1854	793133	793858 RNAP_peak_-_237	RTS_R4_-_204	793885	pORF_-_793079	modE
MU-1855	796858	797658 RNAP_peak_-_238	RTS_R4_-_205	797681	pORF_-_796836	ybhA
MU-1856	798845	799798 RNAP_peak_-_239				ybhD
MU-1857	802533	802658 RNAP_peak_-_240	RTS_R4_-_206			NT
MU-1858	804883	806533 RNAP_peak_-_241	RTS_R4_-_207	806537;806546	pORF_-_805221	ybhC
MU-1859	806704	807204 RNAP_peak_-_242	RTS_R4_-_208	807152	pORF_-_806656	ybhB
MU-1860	807254	808479 RNAP_peak_-_243	RTS_R4_-_209	808513	pORF_-_807191	bioA
MU-1861	812337	812474				ybhU
MU-1862	814888	815865 RNAP_peak_-_244	RTS_R4_-_210	815894	pORF_-_814962	ybhK
MU-1863	820940	823715 RNAP_peak_-_245	RTS_R4_-_211	823747	pORF_-_821721	ybhN-ybhO-ybhP
MU-1864	824240	828140 RNAP_peak_-_246	RTS_R4_-_212	828189;828206	pORF_-_824225;pORF_-_826468	ybhR-ybhS-ybhF
MU-1865	828165	829865 RNAP_peak_-_247	RTS_R4_-_213	829893	pORF_-_828197;pORF_-_829195	ybhG-ybiH
MU-1866	831290	831940 RNAP_peak_-_248	RTS_R4_-_214			ybiA
MU-1867	836696	837171 RNAP_peak_-_249	RTS_R4_-_215	837198	pORF_-_836888	ybiJ
MU-1868	837221	837671 RNAP_peak_-_250	RTS_R4_-_216	837699;837705		ybiI

MU-1869	837746	839096 RNAP_peak_-_251	RTS_R4_-_217	839139;	pORF_-_837753	ybiX
MU-1870	839196	840846	RTS_R4_-_218		pORF_-_838472	fiu
MU-1871	841021	841296 RNAP_peak_-_252	RTS_R4_-_219			ybiM
MU-1872	842522	844697 RNAP_peak_-_253	RTS_R4_-_220	844733	pORF_-_842478	ybiO
MU-1873	844822	847397 RNAP_peak_-_254	RTS_R4_-_221	847270;847360	pORF_-_844964;pORF_-_846481	glnQ-glnP-glnH
MU-1874	847597	848147 RNAP_peak_-_255	RTS_R4_-_222	848160;848167;848173	pORF_-_847631	dps
MU-1875	848472	849372 RNAP_peak_-_256	RTS_R4_-_223	849354		rhtA
MU-1876	850347	851897 RNAP_peak_-_257	RTS_R4_-_224			ybiP
MU-1877	851972	852247 RNAP_peak_-_258	RTS_R4_-_225	852270		rybA
MU-1878	854097	854997 RNAP_peak_-_259	RTS_R4_-_226	855021	pORF_-_854047	ybiS
MU-1879	857122	859250 RNAP_peak_-_260	RTS_R4_-_227	859272	pORF_-_857019;pORF_-_858436	ybiU-ybiV
MU-1880	859397	862761			pORF_-_859397	ybiW-ybiY
MU-1881	863625	865650 RNAP_peak_-_261	RTS_R4_-_228	865611	pORF_-_863603;pORF_-_864352	moeB-moeA
MU-1882	875950	877275 RNAP_peak_-_262	RTS_R4_-_229	877292	pORF_-_875933	yliG
MU-1883	879075	879725 RNAP_peak_-_263	RTS_R4_-_230	879742	pORF_-_879077	yliJ
MU-1884	881235	882710 RNAP_peak_-_264	RTS_R4_-_231	882682	pORF_-_881199	deoR-ybjG
MU-1885	884235	886535 RNAP_peak_-_265	RTS_R4_-_232	886577	pORF_-_884539;pORF_-_885354	ybjH-ybjI-ybjJ
MU-1886	887110	887335 RNAP_peak_-_266	RTS_R4_-_233	887280		rybB
MU-1887	887435	889179 RNAP_peak_-_267	RTS_R4_-_234	889168	pORF_-_887357	ybjL
MU-1888	889729	890004 RNAP_peak_-_268	RTS_R4_-_235	889999;890020	pORF_-_889719	grxA
MU-1889	898482	899832 RNAP_peak_-_269	RTS_R4_-_236	899820;899828;899849	pORF_-_899067	artJ
MU-1890	900082	903007 RNAP_peak_-_270	RTS_R4_-_237	902993;903066	pORF_-_900757;pORF_-_901480;pORF_-_902229	artM-artQ-artI-artP
MU-1891	903157	903707 RNAP_peak_-_271	RTS_R4_-_238	903736	pORF_-_903175	ybjP
MU-1892	904957	906007 RNAP_peak_-_272	RTS_R4_-_239	906078	pORF_-_904963	ybjS
MU-1893	906082	908558	RTS_R4_-_240	908543	pORF_-_907516	ybjT-ltaE
MU-1894	908583	910283 RNAP_peak_-_273	RTS_R4_-_241	910299	pORF_-_908554	poxB
MU-1895	910458	911608	RTS_R4_-_242	911723;913299		hcr
MU-1896	911385	913037 RNAP_peak_-_274				hcp
MU-1897	913208	914083 RNAP_peak_-_275	RTS_R4_-_243	914076		ybjE
MU-1898	914358	914458 RNAP_peak_-_276	RTS_R4_-_244	914507;914515		NT
MU-1899	914633	915383 RNAP_peak_-_277	RTS_R4_-_245	915454		aqpZ
MU-1900	917033	918308 RNAP_peak_-_278	RTS_R4_-_246	918326	pORF_-_917351	ybjX
MU-1901	921510	921885 RNAP_peak_-_279	RTS_R4_-_247	921858;921899	pORF_-_921589	cspD
MU-1902	925098	925323 RNAP_peak_-_280	RTS_R4_-_248	925194		serW
MU-1903	925434	925909 RNAP_peak_-_281	RTS_R4_-_249	925671;925694;925701;925730	pORF_-_925448	infA
MU-1904	925959	926809 RNAP_peak_-_282	RTS_R4_-_250			aat
MU-1905	926834	930234 RNAP_peak_-_283	RTS_R4_-_251	930221	pORF_-_926697;pORF_-_928419	cydC-cydD
MU-1906	930284	931284 RNAP_peak_-_284	RTS_R4_-_252	931301	pORF_-_930308	trxB
MU-1907	943934	944809 RNAP_peak_-_285	RTS_R4_-_253	944837	pORF_-_944154	ycaC

MU-1908	947984	948784	RNAP_peak_-_286	RTS_R4_-_254	948821		ycaN
MU-1909	949559	950359	RNAP_peak_-_287	RTS_R4_-_255	950378	pORF_-_949563	pflA
MU-1910	950509	952734	RNAP_peak_-_288	RTS_R4_-_256	952802;952864;952967	pORF_-_950495	pflB
MU-1911	952759	953911	RNAP_peak_-_289	RTS_R4_-_257	953715;953726	pORF_-_952832	focA
MU-1912	954136	955911	RNAP_peak_-_290	RTS_R4_-_258	955881	pORF_-_954095	ycaO
MU-1913	959086	959386	RNAP_peak_-_291	RTS_R4_-_259	959396		NT
MU-1914	972137	972612	RNAP_peak_-_292	RTS_R4_-_260	972639		ycbC
MU-1915	983462	984937	RNAP_peak_-_293	RTS_R4_-_261	984958;984967	pORF_-_983742	aspC
MU-1916	985088	986313	RNAP_peak_-_294	RTS_R4_-_262	986315	pORF_-_985117	ompF
MU-1917	986817	988342	RNAP_peak_-_295	RTS_R4_-_263	988228;988242;988267	pORF_-_986808	asnS
MU-1918	988392	989667	RNAP_peak_-_296	RTS_R4_-_264	989638	pORF_-_988377	pncB
MU-1919	992567	996792	RNAP_peak_-_297	RTS_R4_-_265	996785	pORF_-_992500;pORF_-_994066	ssuB-ssuC-ssuD-ssuA-ssuE
MU-1920	1003568	1003668	RNAP_peak_-_298	RTS_R4_-_266	1003714		NT
MU-1921	1005893	1006818	RNAP_peak_-_299	RTS_R4_-_267	1006847	pORF_-_1005714	ycbX
MU-1922	1015168	1015768	RNAP_peak_-_300	RTS_R4_-_268	1015720	pORF_-_1015175	fabA
MU-1923	1015793	1017518	RNAP_peak_-_301	RTS_R4_-_269	1017551	pORF_-_1015762	ycbZ
MU-1924	1018243	1019443	RNAP_peak_-_302	RTS_R4_-_270	1019302;1019341;1019418	pORF_-_1018236	ompA
MU-1925	1019468	1020143	RNAP_peak_-_303	RTS_R4_-_271	1020172		sulA
MU-1926	1020943	1023568	RNAP_peak_-_304	RTS_R4_-_272	1023560;1023602	pORF_-_1020953;pORF_-_1023125	yccS-yccF
MU-1927	1025743	1026243	RNAP_peak_-_305	RTS_R4_-_273	1026264	pORF_-_1025780	mgsA
MU-1928	1026393	1027018	RNAP_peak_-_306	RTS_R4_-_274	1027059	pORF_-_1026334	yccT
MU-1929	1027636	1027961	RNAP_peak_-_307	RTS_R4_-_275	1027961;1027966	pORF_-_1027627	hspQ
MU-1930	1027986	1029186	RNAP_peak_-_308	RTS_R4_-_276	1029221	pORF_-_1028002	yccW
MU-1931	1029536	1029887	RNAP_peak_-_309	RTS_R4_-_277	1029908;1029915	pORF_-_1029562	yccK
MU-1932	1029987	1030712	RNAP_peak_-_310	RTS_R4_-_278	1030669;1030673		yccA
MU-1933	1030837	1030912	RNAP_peak_-_311	RTS_R4_-_279	1030935		serT
MU-1934	1030937	1031412	RNAP_peak_-_312	RTS_R4_-_280	1031352		NT
MU-1935	1041187	1041812	RNAP_peak_-_313	RTS_R4_-_281	1041752		NT
MU-1936	1042137	1049212	RNAP_peak_-_314	RTS_R4_-_282		pORF_-_1041253;pORF_-_1045072;pORF_-_1047168	etk-etp-gfcE-gfcD-gfcC-gfcB-gfcA
MU-1937	1049312	1049912	RNAP_peak_-_315	RTS_R4_-_283	1049923		NT
MU-1938	1050186	1050398					cspH
MU-1939	1051512	1052585	RNAP_peak_-_316				yccM
MU-1940	1052657	1055401					torS
MU-1941	1056337	1057387	RNAP_peak_-_317	RTS_R4_-_284	1057207	pORF_-_1056485	torR
MU-1942	1061837	1063037	RNAP_peak_-_318	RTS_R4_-_285	1063026;1063051;1063056	pORF_-_1061773;pORF_-_1062078	cbpM-cbpA
MU-1943	1065987	1067112	RNAP_peak_-_319	RTS_R4_-_286	1066953;1066959;1066981	pORF_-_1066087;pORF_-_1066335	yccJ-wrbA
MU-1944	1067437	1068887	RNAP_peak_-_320	RTS_R4_-_287	1068877		rutG
MU-1945	1068912	1073237	RNAP_peak_-_321	RTS_R4_-_288	1073288		rutF-rutE-rutD-rutC-rutB-rutA
MU-1946	1074387	1078137	RNAP_peak_-_322	RTS_R4_-_289	1078129;1078136;1078145	pORF_-_1074143	putA
MU-1947	1080012	1080587	RNAP_peak_-_323	RTS_R4_-_290	1080499		NT
MU-1948	1083712	1084062	RNAP_peak_-_324	RTS_R4_-_291	1084079		NT

MU-1949	1085337	1085662	RNAP_peak_-_325	RTS_R4_-_292	1085851		pgaD
MU-1950	1085329	1091512	RNAP_peak_-_326			pORF_-_1087062;pORF_-_1089089	pgaD-pgaC-pgaB-pgaA
MU-1951	1093437	1094687	RNAP_peak_-_327	RTS_R4_-_293		pORF_-_1093498;pORF_-_1094361	insF-insE
MU-1952	1096787	1096887	RNAP_peak_-_328	RTS_R4_-_294	1096875		serX
MU-1953	1100137	1102537	RNAP_peak_-_329	RTS_R4_-_295	1102550;1102566	pORF_-_1100074;pORF_-_1100934;pORF_-_1101769	csgG-csgF-csgE-csgD
MU-1954	1106915	1108215	RNAP_peak_-_330	RTS_R4_-_296	1108345		mdoC
MU-1955	1112815	1113415	RNAP_peak_-_331	RTS_R4_-_297	1113435	pORF_-_1113030	msyB
MU-1956	1113515	1114740	RNAP_peak_-_332	RTS_R4_-_298	1114756	pORF_-_1113487	mdtG
MU-1957	1114890	1115840	RNAP_peak_-_333	RTS_R4_-_299	1115838	pORF_-_1114885	lpxL
MU-1958	1117140	1117890	RNAP_peak_-_334	RTS_R4_-_300	1117768;1117897;1118294	pORF_-_1117124	yceI
MU-1959	1117703	1118269	RNAP_peak_-_335				yceJ
MU-1960	1118530	1118670					yceO
MU-1961	1118765	1119865	RNAP_peak_-_336	RTS_R4_-_301	1119832	pORF_-_1118691	solA
MU-1962	1119915	1120240	RNAP_peak_-_337	RTS_R4_-_302	1120252	pORF_-_1119924	bssS
MU-1963	1120472	1120697	RNAP_peak_-_338	RTS_R4_-_303	1120732	pORF_-_1120465	dinI
MU-1964	1120772	1121847	RNAP_peak_-_339	RTS_R4_-_304	1121857;1121866	pORF_-_1120784	pyrC
MU-1965	1122022	1123297	RNAP_peak_-_340	RTS_R4_-_305	1123304	pORF_-_1121936;pORF_-_1122630	yceB-grxB
MU-1966	1123341	1124549	RNAP_peak_-_341			pORF_-_1123341	mdtH
MU-1967	1128898	1129398	RNAP_peak_-_342	RTS_R4_-_306	1129388	pORF_-_1128637;pORF_-_1129058	flgN-flgM
MU-1968	1129427	1130086	RNAP_peak_-_343				flgA
MU-1969	1140403	1144079	RNAP_peak_-_344	RTS_R4_-_307	1143581;1143607;1143903;1144100	pORF_-_1140405	rne
MU-1970	1145229	1145929	RNAP_peak_-_345	RTS_R4_-_308	1145848	pORF_-_1145234	yceF
MU-1971	1156605	1156855	RNAP_peak_-_346	RTS_R4_-_309			NT
MU-1972	1158780	1160830	RNAP_peak_-_347	RTS_R4_-_310	1160838	pORF_-_1158585	fhuE
MU-1973	1167280	1168055	RNAP_peak_-_348	RTS_R4_-_311	1168006	pORF_-_1167423	ycfQ
MU-1974	1168630	1169530	RNAP_peak_-_349	RTS_R4_-_312	1169641	pORF_-_1168635	ycfS
MU-1975	1169780	1173205	RNAP_peak_-_350	RTS_R4_-_313	1173215;1173251	pORF_-_1169741	mfd
MU-1976	1173315	1174388	RNAP_peak_-_351				ycfT
MU-1977	1179702	1180490	RNAP_peak_-_352				ycfZ
MU-1978	1180487	1180948					ymfA
MU-1979	1181012	1184862	RNAP_peak_-_353	RTS_R4_-_314	1184883	pORF_-_1181006;pORF_-_1183681	potD-potC-potB-potA
MU-1980	1186362	1187462	RNAP_peak_-_354	RTS_R4_-_315	1187488	pORF_-_1186342	ycfD
MU-1981	1187487	1189662	RNAP_peak_-_355	RTS_R4_-_316	1189695;1189706;1189714	pORF_-_1187539;pORF_-_1188999	phoQ-phoP
MU-1982	1189687	1193141	RNAP_peak_-_356	RTS_R4_-_317	1193024	pORF_-_1189839;pORF_-_1191213;pORF_-_1191890	purB-hflD-mnmA
MU-1983	1193216	1194141	RNAP_peak_-_357	RTS_R4_-_318	1194167	pORF_-_1193050	nudJ-rluE
MU-1984	1196090	1196755	RNAP_peak_-_358		1196783		ymfD
MU-1985	1196756	1197460	RNAP_peak_-_359		1197501	pORF_-_1196756	ymfE

MU-1986	1199651	1200101	RNAP_peak_-_360	RTS_R4_-_319	1200268;1200279	pORF_-_1198902	intE-xisE
MU-1987	1200501	1200576		RTS_R4_-_320	1200715		NT
MU-1988	1201051	1202126	RNAP_peak_-_361	RTS_R4_-_321	1202147;1202156	pORF_-_1201482	ymfJ-ymfK
MU-1989	1202276	1202401		RTS_R4_-_322	1202433		NT
MU-1990	1202951	1203126	RNAP_peak_-_362	RTS_R4_-_323	1203044		NT
MU-1991	1207768	1207993	RNAP_peak_-_363	RTS_R4_-_324	1208076		NT
MU-1992	1207740	1208842	RNAP_peak_-_364				tfaE-stfE
MU-1993	1210903	1211226	RNAP_peak_-_365				elbA
MU-1994	1211926	1212330	RNAP_peak_-_366		1212359		ycgX
MU-1995	1212518	1213318	RNAP_peak_-_367	RTS_R4_-_325	1213336	pORF_-_1212551	ycgE
MU-1996	1213518	1214468	RNAP_peak_-_368	RTS_R4_-_326	1214729		ycgF
MU-1997	1221544	1222294	RNAP_peak_-_369	RTS_R4_-_327	1222320	pORF_-_1221528;pORF_-_1221867	ymgD-ymgG-ymgI
MU-1998	1223419	1225344	RNAP_peak_-_370	RTS_R4_-_328	1225362	pORF_-_1223502;pORF_-_1223772;pORF_-_1224608	minE-minD-minC
MU-1999	1225519	1225619	RNAP_peak_-_371	RTS_R4_-_329	1225656		NT
MU-2000	1226119	1226720	RNAP_peak_-_372	RTS_R4_-_330	1226729	pORF_-_1226294	ycgK
MU-2001	1229220	1229620	RNAP_peak_-_373	RTS_R4_-_331	1229673		hlyE
MU-2002	1231720	1232245	RNAP_peak_-_374	RTS_R4_-_332	1232278	pORF_-_1232114	dsbB
MU-2003	1232420	1233945	RNAP_peak_-_375	RTS_R4_-_333	1233988	pORF_-_1232399	nhaB
MU-2004	1234945	1236495	RNAP_peak_-_376	RTS_R4_-_334	1236509	pORF_-_1234932	ycgB
MU-2005	1239395	1242320	RNAP_peak_-_377	RTS_R4_-_335	1242327	pORF_-_1239558;pORF_-_1241389	cvrA-ldcA
MU-2006	1243420	1243870	RNAP_peak_-_378	RTS_R4_-_336	1243778	pORF_-_1243016	ycgR
MU-2007	1244899	1246624	RNAP_peak_-_379	RTS_R4_-_337	1246645	pORF_-_1244902	treA
MU-2008	1246974	1250174	RNAP_peak_-_380	RTS_R4_-_338	1250020;1250041	pORF_-_1246919;pORF_-_1248348;pORF_-_1248991	dhaM-dhaL-dhaK
MU-2009	1252799	1255374	RNAP_peak_-_381	RTS_R4_-_339	1255468;1255538	pORF_-_1252308	ycgV
MU-2010	1255874	1256924	RNAP_peak_-_382	RTS_R4_-_340	1257105	pORF_-_1255944	ychF
MU-2011	1256949	1257749	RNAP_peak_-_383	RTS_R4_-_341	1257765	pORF_-_1257152	pth
MU-2012	1258599	1260049	RNAP_peak_-_384	RTS_R4_-_342	1260092	pORF_-_1258347	ychM
MU-2013	1260099	1261324	RNAP_peak_-_385	RTS_R4_-_343	1261082	pORF_-_1260151	prs
MU-2014	1261349	1262724	RNAP_peak_-_386	RTS_R4_-_344	1262758	pORF_-_1261249;pORF_-_1262100	ispE-lolB
MU-2015	1268374	1268474	RNAP_peak_-_387	RTS_R4_-_345	1268557		ldrA
MU-2016	1268599	1268699	RNAP_peak_-_388	RTS_R4_-_346			NT
MU-2017	1268899	1269024	RNAP_peak_-_389	RTS_R4_-_347			ldrB
MU-2018	1269124	1269224	RNAP_peak_-_390	RTS_R4_-_348			NT
MU-2019	1269424	1269549	RNAP_peak_-_391	RTS_R4_-_349			ldrC
MU-2020	1269649	1269749	RNAP_peak_-_392	RTS_R4_-_350			NT
MU-2021	1269974	1271099	RNAP_peak_-_393	RTS_R4_-_351	1271119		chaA
MU-2022	1272499	1272924	RNAP_peak_-_394	RTS_R4_-_352	1272855	pORF_-_1272469	ychN
MU-2023	1274375	1277000	RNAP_peak_-_395	RTS_R4_-_353	1277086	pORF_-_1274402;pORF_-_1275045	narL-narX
MU-2024	1286375	1286525	RNAP_peak_-_396	RTS_R4_-_354	1286462		rttR-tpr-tyrV
MU-2025	1286550	1286825	RNAP_peak_-_397	RTS_R4_-_355	1286758		tyrT

MU-2026	1286850	1288375	RNAP_peak_-_398	RTS_R4_-_356	1288373;1288400	pORF_-_1287005	purU-ychJ
MU-2027	1289125	1289325	RNAP_peak_-_399	RTS_R4_-_357	1289388		NT
MU-2028	1291725	1292150	RNAP_peak_-_400	RTS_R4_-_358	1292153;1292181	pORF_-_1291732	hns
MU-2029	1293649	1294545					insZ
MU-2030	1294475	1297475	RNAP_peak_-_401	RTS_R4_-_359	1297361;1297367;1297374;1297392;1297440;1297477	pORF_-_1294669	adhE
MU-2031	1304851	1306676	RNAP_peak_-_402	RTS_R4_-_360	1306680;1306697	pORF_-_1304845;pORF_-_1305209	yciU-cls
MU-2032	1307026	1308526	RNAP_peak_-_403	RTS_R4_-_361	1308374;1308579	pORF_-_1307040	kch
MU-2033	1308626	1308901	RNAP_peak_-_404	RTS_R4_-_362	1308916	pORF_-_1308593	yciI
MU-2034	1309876	1310276	RNAP_peak_-_405	RTS_R4_-_363	1310298	pORF_-_1309872	yciA
MU-2035	1310376	1311701	RNAP_peak_-_406	RTS_R4_-_364	1311720		yciB-yciC
MU-2036	1312776	1314076	RNAP_peak_-_407	RTS_R4_-_365	1314116	pORF_-_1312742;pORF_-_1313294;pORF_-_1313880	yciE-yciF-yciG
MU-2037	1314402	1318177	RNAP_peak_-_408	RTS_R4_-_366	1317986;1318200	pORF_-_1314440;pORF_-_1315246;pORF_-_1316451	trpA-trpB-trpC
MU-2038	1318202	1321102	RNAP_peak_-_409	RTS_R4_-_367	1321132	pORF_-_1317813;pORF_-_1319408	trpD-trpE-trpL
MU-2039	1325702	1327227	RNAP_peak_-_410	RTS_R4_-_368	1327190	pORF_-_1325791;pORF_-_1326378	btuR-yciK
MU-2040	1328502	1328752	RNAP_peak_-_411	RTS_R4_-_369	1328711;1328719;1328738	pORF_-_1328441	yciN
MU-2041	1336613	1337188	RNAP_peak_-_412	RTS_R4_-_370	1337214	pORF_-_1336594	ribA
MU-2042	1341038	1341463	RNAP_peak_-_413	RTS_R4_-_371	1341392;1341449	pORF_-_1341134	osmB
MU-2043	1341738	1342388	RNAP_peak_-_414	RTS_R4_-_372	1342411	pORF_-_1341621	yciT
MU-2044	1342413	1342663	RNAP_peak_-_415	RTS_R4_-_373	1342663	pORF_-_1342460	yciZ
MU-2045	1342813	1344838	RNAP_peak_-_416	RTS_R4_-_374	1344866		gmr
MU-2046	1345013	1347138	RNAP_peak_-_417	RTS_R4_-_375	1346965;1347152	pORF_-_1345002	rnb
MU-2047	1347163	1348213		RTS_R4_-_376		pORF_-_1347004	yciW
MU-2048	1348313	1349113	RNAP_peak_-_418	RTS_R4_-_377	1349112;1349118;1349127;1349144	pORF_-_1348275	fabI
MU-2049	1349365	1354140	RNAP_peak_-_419	RTS_R4_-_378	1354010;1354061;1354111	pORF_-_1349852;pORF_-_1350660;pORF_-_1352529	ycjD-sapF-sapD-sapC-sapB
MU-2050	1354190	1355365	RNAP_peak_-_420	RTS_R4_-_379	1355205;1355443	pORF_-_1353491	sapA
MU-2051	1355390	1355715	RNAP_peak_-_421	RTS_R4_-_380	1355723	pORF_-_1355447	ymjA
MU-2052	1355815	1358965	RNAP_peak_-_422	RTS_R4_-_381	1358991	pORF_-_1355826;pORF_-_1357514	puuP-puuA
MU-2053	1365290	1365915	RNAP_peak_-_423	RTS_R4_-_382	1365969	pORF_-_1364959	pspF
MU-2054	1381216	1381991	RNAP_peak_-_424	RTS_R4_-_383	1382013		ycjW
MU-2055	1386266	1386841	RNAP_peak_-_425	RTS_R4_-_384	1386860;1386868	pORF_-_1386329	tpx
MU-2056	1387791	1388766	RNAP_peak_-_426	RTS_R4_-_385	1388647	pORF_-_1387894	mpaA
MU-2057	1389091	1389866	RNAP_peak_-_427	RTS_R4_-_386	1389911;1389918		ymjC-ycjY
MU-2058	1392941	1393966	RNAP_peak_-_428	RTS_R4_-_387	1393949	pORF_-_1392915	ynaI
MU-2059	1395691	1396716	RNAP_peak_-_429	RTS_R4_-_388	1396683	pORF_-_1395696	uspE
MU-2060	1396791	1397666	RNAP_peak_-_430	RTS_R4_-_389	1397563;1397576	pORF_-_1396798	fnr
MU-2061	1397767	1398267	RNAP_peak_-_431	RTS_R4_-_390	1398309		ogt
MU-2062	1398867	1402592		RTS_R4_-_391	1402613;1402707		abgT-abgB-abgA

MU-2063	1403717	1403792	RNAP_peak_-_432	RTS_R4_-_392	1403829		isrA
MU-2064	1404392	1405917	RNAP_peak_-_433	RTS_R4_-_393	1405893	pORF_-_1404587	ydaM
MU-2065	1407317	1407417	RNAP_peak_-_434	RTS_R4_-_394	1407453		NT
MU-2066	1408867	1410443	RNAP_peak_-_435	RTS_R4_-_395	1410148;1410184	pORF_-_1409037	ttcA
MU-2067	1411468	1415118	RNAP_peak_-_436	RTS_R4_-_396	1415056	pORF_-_1412810	intR-ydaQ-ydaC-lar-recT-recE
MU-2068	1415512	1415787	RNAP_peak_-_437				racC
MU-2069	1415862	1416253	RNAP_peak_-_438				ydaE-kilR
MU-2070	1417180	1417480	RNAP_peak_-_439				ydaF-ydaG
MU-2071	1417743	1418243	RNAP_peak_-_440	RTS_R4_-_397	1418265	pORF_-_1417789	racR
MU-2072	1421436	1421686	RNAP_peak_-_441	RTS_R4_-_398	1421757		NT
MU-2073	1424887	1425012	RNAP_peak_-_442	RTS_R4_-_399	1424997		NT
MU-2074	1425787	1426762	RNAP_peak_-_443	RTS_R4_-_400	1426777	pORF_-_1425770	insH
MU-2075	1431108	1431698	RNAP_peak_-_444			pORF_-_1431108	pinR
MU-2076	1432163	1432588	RNAP_peak_-_445	RTS_R4_-_401	1432557		ynaE
MU-2077	1432982	1433032	RNAP_peak_-_446				ttcC
MU-2078	1433138	1433688	RNAP_peak_-_447	RTS_R4_-_402	1433665;1433735	pORF_-_1433209	uspF
MU-2079	1433784	1434917	RNAP_peak_-_448			pORF_-_1433784	ompN
MU-2080	1435288	1438838	RNAP_peak_-_449	RTS_R4_-_403	1438869	pORF_-_1435284	ydbK
MU-2081	1439188	1439763	RNAP_peak_-_450	RTS_R4_-_404	1439801	pORF_-_1439345	hslJ
MU-2082	1439838	1440888	RNAP_peak_-_451	RTS_R4_-_405	1440902;1440913;1440942	pORF_-_1439878	ldhA
MU-2083	1440913	1441513		RTS_R4_-_406	1441359		NT
MU-2084	1444513	1445313	RNAP_peak_-_452	RTS_R4_-_407	1445332		feaR
MU-2085	1447538	1451563		RTS_R4_-_408	1451735	pORF_-_1449621	tynA-maoC
MU-2086	1465963	1467338	RNAP_peak_-_453	RTS_R4_-_409			insD-insC
MU-2087	1480297	1480897	RNAP_peak_-_454	RTS_R4_-_410	1480928	pORF_-_1480279	azoR
MU-2088	1487742	1488867	RNAP_peak_-_455	RTS_R4_-_411	1488776	pORF_-_1487985;pORF_-_1488621	gapC
MU-2089	1489467	1489530	RNAP_peak_-_456		1489529		rydC
MU-2090	1489892	1490217	RNAP_peak_-_457	RTS_R4_-_412	1490241;1490328		hokB-mokB
MU-2091	1492092	1493142	RNAP_peak_-_458	RTS_R4_-_413	1493095;1493140	pORF_-_1492172	ydcI
MU-2092	1497302	1498502	RNAP_peak_-_459	RTS_R4_-_414	1498495		ydcK
MU-2093	1501167	1501658	RNAP_peak_-_460				yncK
MU-2094	1503005	1504382	RNAP_peak_-_461	RTS_R4_-_415	1504416		ydcO
MU-2095	1506382	1507107	RNAP_peak_-_462	RTS_R4_-_416	1507112		yncJ
MU-2096	1514950	1515325	RNAP_peak_-_463	RTS_R4_-_417	1515242;1515272		yncL
MU-2097	1515875	1516875	RNAP_peak_-_464	RTS_R4_-_418	1516888;1516897		ydcZ-yncA
MU-2098	1518900	1521100	RNAP_peak_-_465	RTS_R4_-_419	1521181	pORF_-_1518987	yncD
MU-2099	1522600	1524000	RNAP_peak_-_466	RTS_R4_-_420	1524030	pORF_-_1522505	ansP
MU-2100	1531381	1531881	RNAP_peak_-_467	RTS_R4_-_421	1531895;1531900	pORF_-_1531306	yddH
MU-2101	1532906	1533881	RNAP_peak_-_468	RTS_R4_-_422	1533900	pORF_-_1532989	yddE
MU-2102	1534331	1542131	RNAP_peak_-_469	RTS_R4_-_423	1542127	pORF_-_1534638;pORF_-_1536874	narV-narW-narY-narZ-narU
MU-2103	1542408	1544052	RNAP_peak_-_470			pORF_-_1542782;pORF_-_1543762	yddJ-yddK-yddL
MU-2104	1544567	1545192	RNAP_peak_-_471	RTS_R4_-_424	1545227		yddG
MU-2105	1550067	1550717	RNAP_peak_-_472	RTS_R4_-_425	1550736	pORF_-_1550422	yddM

MU-2106	1550767	1551892	RNAP_peak_-_473	RTS_R4_-_426	1551862;1551892	pORF_-_1550852	adhP
MU-2107	1551992	1553742	RNAP_peak_-_474	RTS_R4_-_427	1553716;1553726	pORF_-_1551996	maeA
MU-2108	1553842	1554117	RNAP_peak_-_475	RTS_R4_-_428	1554071	pORF_-_1553850	sra
MU-2109	1554167	1554342	RNAP_peak_-_476	RTS_R4_-_429	1554479		bdm
MU-2110	1554917	1561117	RNAP_peak_-_477	RTS_R4_-_430	1561168	pORF_-_1556055;pORF_-_1558955	ddpF-ddpD-ddpC-ddpB-ddpA-ddpX
MU-2111	1561467	1565292	RNAP_peak_-_478	RTS_R4_-_431	1565236;1565318	pORF_-_1563782	dos-yddV
MU-2112	1565467	1566843	RNAP_peak_-_479	RTS_R4_-_432	1567038		yddW
MU-2113	1566993	1568710	RNAP_peak_-_480	RTS_R4_-_433	1568587	pORF_-_1566978	gadC
MU-2114	1568735	1570060	RNAP_peak_-_481	RTS_R4_-_434	1570097	pORF_-_1568669	gadB
MU-2115	1570585	1572910	RNAP_peak_-_482	RTS_R4_-_435		pORF_-_1570431	pqqL
MU-2116	1573271	1577366	RNAP_peak_-_483			pORF_-_1573271	yddB-yddA
MU-2117	1577657	1580548	RNAP_peak_-_484			pORF_-_1578866	ydeM-ydeN
MU-2118	1580950	1581983	RNAP_peak_-_485				ydeO-yneN
MU-2119	1582487	1584587	RNAP_peak_-_486	RTS_R4_-_436	1584688	pORF_-_1582231	ydeP
MU-2120	1584844	1585758	RNAP_peak_-_487				ydeQ
MU-2121	1585962	1586737	RNAP_peak_-_488	RTS_R4_-_437	1586568		ydeR-ydeS
MU-2122	1587037	1588012	RNAP_peak_-_489	RTS_R4_-_438	1588058		ydeT
MU-2123	1588512	1590487	RNAP_peak_-_490	RTS_R4_-_439	1590504	pORF_-_1588878	yneL-hipA-hipB
MU-2124	1590787	1596537	RNAP_peak_-_491	RTS_R4_-_440	1596621	pORF_-_1592133	ydeU-ydeK
MU-2125	1596812	1599412		RTS_R4_-_441	1599295	pORF_-_1596641;pORF_-_1598312	lsrK-lsrR
MU-2126	1606137	1607037	RNAP_peak_-_492	RTS_R4_-_442	1607069;1607122		yneE
MU-2127	1607362	1609887	RNAP_peak_-_493	RTS_R4_-_443	1610053	pORF_-_1607253	uxaB-yneF
MU-2128	1609962	1611337	RNAP_peak_-_494	RTS_R4_-_444	1611305	pORF_-_1610349	yneG-yneH
MU-2129	1611412	1612837	RNAP_peak_-_495	RTS_R4_-_445	1612751	pORF_-_1611339	sad
MU-2130	1616312	1616937	RNAP_peak_-_496	RTS_R4_-_446	1616924		marC
MU-2131	1617937	1619162	RNAP_peak_-_497	RTS_R4_-_447	1619191		eamA
MU-2132	1619312	1619662	RNAP_peak_-_498	RTS_R4_-_448	1619702		NT
MU-2133	1620862	1621887	RNAP_peak_-_499	RTS_R4_-_449	1621901		ydeH
MU-2134	1622012	1622512	RNAP_peak_-_500	RTS_R4_-_450	1622540	pORF_-_1622129	ydeI
MU-2135	1623212	1625412	RNAP_peak_-_501	RTS_R4_-_451	1625428	pORF_-_1623359	dcp
MU-2136	1627462	1630137	RNAP_peak_-_502	RTS_R4_-_452			ydfI-ydfJ
MU-2137	1631712	1632262	RNAP_peak_-_503	RTS_R4_-_453			NT
MU-2138	1632387	1634437		RTS_R4_-_454	1634425;1634515		tfaQ-ydfN-nohA
MU-2139	1634799	1635099	RNAP_peak_-_504	RTS_R4_-_455			NT
MU-2140	1635574	1635861	RNAP_peak_-_505	RTS_R4_-_456	1635851;1635870	pORF_-_1635633	gnsB
MU-2141	1635978	1636133	RNAP_peak_-_506				ynfN
MU-2142	1636479	1636691	RNAP_peak_-_507		1636836	pORF_-_1636479	cspI
MU-2143	1637054	1638609	RNAP_peak_-_508		1638778	pORF_-_1637054	ydfP-arrQ-ydfR-essQ
MU-2144	1639337	1639712	RNAP_peak_-_509	RTS_R4_-_457	1639516	pORF_-_1639363	cspB
MU-2145	1640513	1642226	RNAP_peak_-_510		1642531		quuQ-ydfU
MU-2146	1642737	1642887	RNAP_peak_-_511	RTS_R4_-_458			rem
MU-2147	1643012	1643890	RNAP_peak_-_512	RTS_R4_-_459	1643925	pORF_-_1643657	hokD-relE-relB
MU-2148	1644040	1644215	RNAP_peak_-_513	RTS_R4_-_460	1644207		NT
MU-2149	1644815	1645115	RNAP_peak_-_514	RTS_R4_-_461	1645143		NT



MU-2150	1645146	1645874	RNAP_peak_-_515				ydfW-ydfX-dicC
MU-2151	1649265	1649565	RNAP_peak_-_516	RTS_R4_-_462			NT
MU-2152	1650779	1650862	RNAP_peak_-_517				ydfJ
MU-2153	1650920	1653165	RNAP_peak_-_518			pORF_-_1650920	rspB-rspA
MU-2154	1653420	1653670	RNAP_peak_-_519	RTS_R4_-_463	1653729		ynfA
MU-2155	1654295	1655470	RNAP_peak_-_520	RTS_R4_-_464	1655507		ynfC
MU-2156	1664395	1665270	RNAP_peak_-_521	RTS_R4_-_465	1665277;1665281;1665398	pORF_-_1664548	ynfK
MU-2157	1665420	1666595	RNAP_peak_-_522	RTS_R4_-_466	1666625		dgsA
MU-2158	1666795	1667570	RNAP_peak_-_523	RTS_R4_-_467	1667696;1667714		ynfL
MU-2159	1668845	1669145	RNAP_peak_-_524	RTS_R4_-_468	1669157		NT
MU-2160	1669370	1669920	RNAP_peak_-_525	RTS_R4_-_469	1669894		NT
MU-2161	1670670	1671770	RNAP_peak_-_526	RTS_R4_-_470	1671802		mdtI-mdtJ
MU-2162	1672745	1676245	RNAP_peak_-_527	RTS_R4_-_471	1675955;1676006;1676021;1676026;1676038	pORF_-_1672996;pORF_-_1674395	pntB-pntA
MU-2163	1679395	1680070	RNAP_peak_-_528	RTS_R4_-_472	1680084;1680170		ydgC
MU-2164	1682695	1682770		RTS_R4_-_473	1682812		NT
MU-2165	1683045	1684645		RTS_R4_-_474		pORF_-_1683209	fumC
MU-2166	1684770	1686570	RNAP_peak_-_529	RTS_R4_-_475	1686432;1686465	pORF_-_1684755	fumA
MU-2167	1689670	1694095	RNAP_peak_-_530	RTS_R4_-_476	1694118		uidC-uidB-uidA
MU-2168	1694470	1695170	RNAP_peak_-_531	RTS_R4_-_477	1695100	pORF_-_1694486	uidR
MU-2169	1695220	1696121	RNAP_peak_-_532	RTS_R4_-_478	1696092;1696124;1696131;1696146	pORF_-_1695297	hdhA
MU-2170	1696246	1697271	RNAP_peak_-_533	RTS_R4_-_479	1697265		malI
MU-2171	1701246	1702346	RNAP_peak_-_534	RTS_R4_-_480	1702355	pORF_-_1701292	ydgJ
MU-2172	1710271	1710796	RNAP_peak_-_535	RTS_R4_-_481	1710806		NT
MU-2173	1713096	1713921	RNAP_peak_-_536	RTS_R4_-_482	1713968;1713997	pORF_-_1713050	pdxY
MU-2174	1713971	1715296	RNAP_peak_-_537	RTS_R4_-_483	1715311	pORF_-_1713972	tyrS
MU-2175	1715321	1716046	RNAP_peak_-_538	RTS_R4_-_484	1716058	pORF_-_1715375	pdxH
MU-2176	1716146	1716371	RNAP_peak_-_539	RTS_R4_-_485			ydhA
MU-2177	1716721	1717696	RNAP_peak_-_540	RTS_R4_-_486	1717654;1717806	pORF_-_1716517	anmK
MU-2178	1718421	1718971	RNAP_peak_-_541	RTS_R4_-_487	1718877;1718884;1718894	pORF_-_1718414	slyA
MU-2179	1720521	1721096	RNAP_peak_-_542	RTS_R4_-_488	1721100;1721114		NT
MU-2180	1721871	1722696	RNAP_peak_-_543	RTS_R4_-_489	1722703	pORF_-_1722158	sodC
MU-2181	1722721	1723721	RNAP_peak_-_544	RTS_R4_-_490	1723679	pORF_-_1722760	ydhF
MU-2182	1723796	1724021	RNAP_peak_-_545	RTS_R4_-_491	1723969		ydhL
MU-2183	1731765	1732315	RNAP_peak_-_546	RTS_R4_-_492	1732142;1732160;1732184;1732213;1732257;1732284	pORF_-_1731778	grxD
MU-2184	1734490	1735315	RNAP_peak_-_547	RTS_R4_-_493	1735360	pORF_-_1734145	ydhP
MU-2185	1735490	1735615	RNAP_peak_-_548	RTS_R4_-_494	1735601;1735607;1735639		ynhF
MU-2186	1736815	1737890	RNAP_peak_-_549	RTS_R4_-_495	1737837;1737851		ydhB
MU-2187	1740615	1741440	RNAP_peak_-_550	RTS_R4_-_496	1741299	pORF_-_1740625	ribC
MU-2188	1742490	1744390	RNAP_peak_-_551	RTS_R4_-_497	1744226	pORF_-_1742895	ydhQ
MU-2189	1747540	1752615	RNAP_peak_-_552	RTS_R4_-_498	1752725	pORF_-_1749752	ydhT-ydhU-ydhX-ydhW-ydhV-ydhY
MU-2190	1752990	1753165	RNAP_peak_-_553	RTS_R4_-_499	1753189	pORF_-_1752956	ydhZ
MU-2191	1755065	1755390	RNAP_peak_-_554	RTS_R4_-_500	1755409		NT

MU-2192	1755740	1756865	RNAP_peak_-_555	RTS_R4_-_501	1756883	pORF_-_1755745	ynhG
MU-2193	1756965	1762495	RNAP_peak_-_556	RTS_R4_-_502	1762442;1762523	pORF_-_1756898;pORF_-_1757327;pORF_-_1758544;pORF_-_1759790;pORF_-_1760546;pORF_-_1762042	sufE-sufS-sufD-sufC-sufB-sufA
MU-2194	1762745	1762920	RNAP_peak_-_557	RTS_R4_-_503			rydB
MU-2195	1762945	1763195	RNAP_peak_-_558	RTS_R4_-_504	1763170	pORF_-_1762958	ydiH
MU-2196	1763245	1766920	RNAP_peak_-_559	RTS_R4_-_505	1766940	pORF_-_1763246;pORF_-_1763653	ydiI-ydiJ
MU-2197	1776220	1777370	RNAP_peak_-_560	RTS_R4_-_506	1777365		ydiP
MU-2198	1782772	1785147	RNAP_peak_-_561	RTS_R4_-_507	1785185	pORF_-_1782758	pps
MU-2199	1787272	1789247	RNAP_peak_-_562	RTS_R4_-_508	1789278	pORF_-_1787832	ydiU
MU-2200	1789422	1790172	RNAP_peak_-_563	RTS_R4_-_509	1790123;1790180;1790215		ydiV
MU-2201	1790272	1790822	RNAP_peak_-_564	RTS_R4_-_510	1790784		nlpC
MU-2202	1790847	1792272	RNAP_peak_-_565	RTS_R4_-_511	1792219	pORF_-_1790833;pORF_-_1791582	btuD-btuE
MU-2203	1792297	1793172	RNAP_peak_-_566	RTS_R4_-_512	1793201		btuC
MU-2204	1793272	1793672	RNAP_peak_-_567	RTS_R4_-_513	1793744;1793791	pORF_-_1793277	ihfA
MU-2205	1793697	1797272	RNAP_peak_-_568	RTS_R4_-_514	1797159;1797217;1797274;1797327	pORF_-_1793581;pORF_-_1795983	pheT-pheS-pheM
MU-2206	1797347	1797772	RNAP_peak_-_569	RTS_R4_-_515	1797807;1798841	pORF_-_1797417	rpIT
MU-2207	1797797	1798072	RNAP_peak_-_570	RTS_R4_-_516	1798126;1798135;1798300;1798314;1798355	pORF_-_1797826	rpmI
MU-2208	1798097	1798697	RNAP_peak_-_571	RTS_R4_-_517	1798394	pORF_-_1798120	infC
MU-2209	1798722	1800797	RNAP_peak_-_572	RTS_R4_-_518	1800756	pORF_-_1798666	thrS
MU-2210	1803397	1804172	RNAP_peak_-_573	RTS_R4_-_519	1804192	pORF_-_1803349	ydiY
MU-2211	1806422	1807347	RNAP_peak_-_574	RTS_R4_-_520	1807286;1807374	pORF_-_1806721	yniB
MU-2212	1810353	1811168	RNAP_peak_-_575				ydjO
MU-2213	1811554	1811679	RNAP_peak_-_576	RTS_R4_-_521	1811716		cedA
MU-2214	1814179	1815354	RNAP_peak_-_577	RTS_R4_-_522	1815394		chbG
MU-2215	1815554	1819735	RNAP_peak_-_578	RTS_R4_-_523	1819667;1819750	pORF_-_1817479;pORF_-_1817880;pORF_-_1819323	chbF-chbR-chbA-chbC-chbB
MU-2216	1819910	1820285	RNAP_peak_-_579	RTS_R4_-_524	1820301;1820307	pORF_-_1819942	osmE
MU-2217	1822535	1822960	RNAP_peak_-_580	RTS_R4_-_525	1823147		ves
MU-2218	1823110	1823735	RNAP_peak_-_581	RTS_R4_-_526	1823713;1823756	pORF_-_1823164	spy
MU-2219	1824085	1830010	RNAP_peak_-_582	RTS_R4_-_527	1830028	pORF_-_1824940;pORF_-_1826280;pORF_-_1827755;pORF_-_1828786	astE-astB-astD-astA-astC
MU-2220	1831185	1832185	RNAP_peak_-_583	RTS_R4_-_528	1832126		NT
MU-2221	1838860	1839435	RNAP_peak_-_584	RTS_R4_-_529	1839469		ynjF
MU-2222	1839860	1840210	RNAP_peak_-_585	RTS_R4_-_530	1840186		ynjH
MU-2223	1841910	1841960	RNAP_peak_-_586	RTS_R4_-_531	1842041		NT
MU-2224	1841855	1842895	RNAP_peak_-_587				ynjI
MU-2225	1843035	1846235	RNAP_peak_-_588	RTS_R4_-_532	1846054	pORF_-_1843023;pORF_-_1844989	topB-selD

MU-2226	1846260	1846710	RNAP_peak_-_589	RTS_R4_-_533	1846726	pORF_-_1846149	ydjA
MU-2227	1850645	1852003	RNAP_peak_-_590				ydjE
MU-2228	1852260	1852885	RNAP_peak_-_591	RTS_R4_-_534	1852910	pORF_-_1852120	ydjF
MU-2229	1853015	1859356	RNAP_peak_-_592			pORF_-_1853015;pORF_-_1854005;pORF_-_1858280	ydjG-ydjH-ydjI-ydjJ-ydjK-ydjL
MU-2230	1859660	1860460	RNAP_peak_-_593	RTS_R4_-_535	1860488	pORF_-_1859726;pORF_-_1860040	yeaC-msrB
MU-2231	1862810	1863685	RNAP_peak_-_594	RTS_R4_-_536	1863677		yeaE
MU-2232	1863735	1864643	RNAP_peak_-_595	RTS_R4_-_537	1864528	pORF_-_1863750	mipA
MU-2233	1872102	1872206					yoaI
MU-2234	1872793	1873593	RNAP_peak_-_596	RTS_R4_-_538	1873622;1873636		yeaM
MU-2235	1875193	1875543	RNAP_peak_-_597	RTS_R4_-_539	1875579;1875669		yoaF
MU-2236	1876893	1877293	RNAP_peak_-_598	RTS_R4_-_540	1877294;1877321		yeaQ
MU-2237	1877343	1877643	RNAP_peak_-_599	RTS_R4_-_541			yoaG-yeaR
MU-2238	1878168	1878793	RNAP_peak_-_600	RTS_R4_-_542		pORF_-_1878145	leuE
MU-2239	1878968	1879843	RNAP_peak_-_601	RTS_R4_-_543	1879872		yeaT
MU-2240	1884968	1886018	RNAP_peak_-_602	RTS_R4_-_544	1886087		rnd
MU-2241	1886041	1886126	RNAP_peak_-_603		1886158		sroD
MU-2242	1886068	1887918	RNAP_peak_-_604	RTS_R4_-_545	1887831	pORF_-_1886085	fadD
MU-2243	1888043	1888568	RNAP_peak_-_605	RTS_R4_-_546		pORF_-_1887975	yeaY
MU-2244	1888593	1889293	RNAP_peak_-_606	RTS_R4_-_547	1889319	pORF_-_1888596	yeaZ
MU-2245	1889368	1891243	RNAP_peak_-_607	RTS_R4_-_548	1891279		yoaA
MU-2246	1892493	1892843	RNAP_peak_-_608	RTS_R4_-_549	1892777	pORF_-_1892576	yoaH
MU-2247	1892893	1893520	RNAP_peak_-_609	RTS_R4_-_550	1893573		NT
MU-2248	1896370	1896470	RNAP_peak_-_610	RTS_R4_-_551	1896478		NT
MU-2249	1898070	1899770	RNAP_peak_-_611	RTS_R4_-_552	1899796	pORF_-_1898053	yoaE
MU-2250	1904370	1905145	RNAP_peak_-_612	RTS_R4_-_553	1905108	pORF_-_1904275	rrmA
MU-2251	1905195	1905795	RNAP_peak_-_613	RTS_R4_-_554	1905623;1905642	pORF_-_1905250	cspC-yobF
MU-2252	1906195	1906795	RNAP_peak_-_614	RTS_R4_-_555	1906816		yebO-mgrB
MU-2253	1907070	1908245	RNAP_peak_-_615	RTS_R4_-_556	1908154;1908162	pORF_-_1907332	kdgR
MU-2254	1909720	1910745	RNAP_peak_-_616	RTS_R4_-_557	1910628;1910642	pORF_-_1909719	htpX
MU-2255	1910795	1913720	RNAP_peak_-_617	RTS_R4_-_558	1913679	pORF_-_1910792;pORF_-_1912860	prc-proQ
MU-2256	1913745	1914170	RNAP_peak_-_618	RTS_R4_-_559	1914138;1914188	pORF_-_1913655	yebR
MU-2257	1920121	1921046	RNAP_peak_-_619	RTS_R4_-_560			pphA
MU-2258	1921121	1921246	RNAP_peak_-_620	RTS_R4_-_561			ryeB
MU-2259	1921421	1922996	RNAP_peak_-_621	RTS_R4_-_562	1923017	pORF_-_1921389;pORF_-_1922619	yebY-yebZ-yobA
MU-2260	1923046	1923321	RNAP_peak_-_622	RTS_R4_-_563	1923331		NT
MU-2261	1924971	1926921	RNAP_peak_-_623	RTS_R4_-_564	1926889		ptrB
MU-2262	1927096	1927721	RNAP_peak_-_624	RTS_R4_-_565	1927758	pORF_-_1927072	yebE
MU-2263	1927846	1928421	RNAP_peak_-_625	RTS_R4_-_566	1928440	pORF_-_1928058	yebF
MU-2264	1928446	1928771	RNAP_peak_-_626	RTS_R4_-_567	1928790	pORF_-_1928481	yebG
MU-2265	1930146	1931121	RNAP_peak_-_627	RTS_R4_-_568	1930807;1930823;1931066	pORF_-_1930139	eda
MU-2266	1931171	1932671	RNAP_peak_-_628	RTS_R4_-_569	1932737	pORF_-_1930817	edd

MU-2267	1932896	1934499	RNAP_peak_-_629	RTS_R4_-_570	1934383;1934391;1934398;1934491	pORF_-_1932863	zwf
MU-2268	1937274	1938249	RNAP_peak_-_630	RTS_R4_-_571	1938245;1938252	pORF_-_1937246	lpxM
MU-2269	1938349	1940624	RNAP_peak_-_631	RTS_R4_-_572	1940621;1940637	pORF_-_1938337;pORF_-_1939675	yebA-znuA
MU-2270	1942374	1944099	RNAP_peak_-_632	RTS_R4_-_573	1944032;1944149	pORF_-_1942370;pORF_-_1943389	ruvB-ruvA
MU-2271	1944724	1945274	RNAP_peak_-_633	RTS_R4_-_574		pORF_-_1944879	ruvC
MU-2272	1945324	1948824	RNAP_peak_-_634	RTS_R4_-_575	1948641	pORF_-_1945435;pORF_-_1946774	yebC-nudB-aspS
MU-2273	1952624	1955399		RTS_R4_-_576		pORF_-_1952602	torZ-torY
MU-2274	1956499	1957924	RNAP_peak_-_635	RTS_R4_-_577	1957896	pORF_-_1956544;pORF_-_1957304	cutC-yecM
MU-2275	1961274	1970699	RNAP_peak_-_636	RTS_R4_-_578	1970739	pORF_-_1960996;pORF_-_1964417;pORF_-_1965072;pORF_-_1965476;pORF_-_1967407;pORF_-_1969054	flhE-flhA-flhB-cheZ-cheY-cheB-cheR-tap-tar
MU-2276	1972574	1975149	RNAP_peak_-_637	RTS_R4_-_579	1975324	pORF_-_1971384;pORF_-_1973353;pORF_-_1974276	cheW-cheA-motB-motA
MU-2277	1975224	1976474	RNAP_peak_-_638	RTS_R4_-_580	1976303;1976309	pORF_-_1975871	flhC-flhD
MU-2278	1976549	1977274	RNAP_peak_-_639	RTS_R4_-_581			insB-insA
MU-2279	1978049	1979699	RNAP_peak_-_640	RTS_R4_-_582	1979674	pORF_-_1978212	otsA
MU-2280	1979724	1980449	RNAP_peak_-_641	RTS_R4_-_583	1980464	pORF_-_1979611	otsB
MU-2281	1980549	1982049	RNAP_peak_-_642	RTS_R4_-_584		pORF_-_1980578	araH
MU-2282	1982074	1984202	RNAP_peak_-_643	RTS_R4_-_585		pORF_-_1983163	araG-araF
MU-2283	1985552	1985852	RNAP_peak_-_644	RTS_R4_-_586	1985809	pORF_-_1985531	yecJ
MU-2284	1985902	1986027	RNAP_peak_-_645	RTS_R4_-_587	1986026		isrB
MU-2285	1987277	1987502	RNAP_peak_-_646	RTS_R4_-_588	1987525	pORF_-_1987275	yecH
MU-2286	1988727	1989752	RNAP_peak_-_647	RTS_R4_-_589	1989673	pORF_-_1988978	yecA
MU-2287	1989802	1990077	RNAP_peak_-_648	RTS_R4_-_590	1990141		leuZ-cysT-glyW
MU-2288	1990102	1990852	RNAP_peak_-_649	RTS_R4_-_591	1990874		pgsA
MU-2289	1990977	1993403	RNAP_peak_-_650	RTS_R4_-_592	1993427;1993595	pORF_-_1990898;pORF_-_1992727	uvrC-uvrY
MU-2290	1994180	1994855	RNAP_peak_-_651	RTS_R4_-_593	1994917;1994934		sdiA
MU-2291	1995105	1996530	RNAP_peak_-_652	RTS_R4_-_594	1996664	pORF_-_1995086;pORF_-_1995835	yecC-yecS
MU-2292	1996555	1997555	RNAP_peak_-_653	RTS_R4_-_595	1997532	pORF_-_1996518	dcyD
MU-2293	1997580	1998580	RNAP_peak_-_654	RTS_R4_-_596	1998422;1998434;1998492	pORF_-_1997609	fliY
MU-2294	1998855	1999805	RNAP_peak_-_655	RTS_R4_-_597	1999843	pORF_-_1999094	fliZ-fliA
MU-2295	1999963	2001688	RNAP_peak_-_656	RTS_R4_-_598	2001653;2001699	pORF_-_2000134	fliC
MU-2296	2005698	2006198	RNAP_peak_-_657	RTS_R4_-_599	2006138	pORF_-_2005701	yedD
MU-2297	2009247	2010375	RNAP_peak_-_658				yedN
MU-2298	2010724	2011038	RNAP_peak_-_659			pORF_-_2010724	fliE
MU-2299	2022677	2023002	RNAP_peak_-_660	RTS_R4_-_600	2022868		dsrB
MU-2300	2023277	2023377	RNAP_peak_-_661	RTS_R4_-_601			dsrA

MU-2301	2024277	2026152	RNAP_peak_-_662	RTS_R4_-_602	2026237	pORF_-_2024347	yedQ
MU-2302	2026202	2027377	RNAP_peak_-_663	RTS_R4_-_603	2027413	pORF_-_2026473	yodC-yedI
MU-2303	2028377	2030327	RNAP_peak_-_664	RTS_R4_-_604	2030365	pORF_-_2028923	vsr-dcm
MU-2304	2030377	2031452	RNAP_peak_-_665	RTS_R4_-_605	2031465;2031494	pORF_-_2030408	yedJ-yedR
MU-2305	2034852	2036802	RNAP_peak_-_666	RTS_R4_-_606	2036840		yedV-yedW
MU-2306	2038577	2039327	RNAP_peak_-_667	RTS_R4_-_607	2039280		NT
MU-2307	2041462	2041564	RNAP_peak_-_668	RTS_R4_-_608	2041581		serU
MU-2308	2050339	2051589	RNAP_peak_-_669	RTS_R4_-_609	2051659		yeeL
MU-2309	2056055	2056105	RNAP_peak_-_670	RTS_R4_-_610	2056126		asnW
MU-2310	2056305	2057859	RNAP_peak_-_671	RTS_R4_-_611	2057871		yeeO
MU-2311	2057984	2058984	RNAP_peak_-_672	RTS_R4_-_612	2058964	pORF_-_2057988	cbl
MU-2312	2059009	2060009	RNAP_peak_-_673	RTS_R4_-_613	2060074		nac
MU-2313	2060409	2061359	RNAP_peak_-_674	RTS_R4_-_614	2061377	pORF_-_2060415	erfK
MU-2314	2061409	2063984	RNAP_peak_-_675	RTS_R4_-_615	2064019;2064031	pORF_-_2061412	cobT-cobS-cobU
MU-2315	2064109	2064109	RNAP_peak_-_676	RTS_R4_-_616			yeeH
MU-2316	2064209	2065459	RNAP_peak_-_677	RTS_R4_-_617	2065503	pORF_-_2064329	insH
MU-2317	2065509	2066484	RNAP_peak_-_678	RTS_R4_-_618	2066314;2066507		yoeG-yoeH
MU-2318	2066759	2068209	RNAP_peak_-_679	RTS_R4_-_619	2068377		insD-insC
MU-2319	2072411	2072736	RNAP_peak_-_680	RTS_R4_-_620	2072764		NT
MU-2320	2075861	2075986	RNAP_peak_-_681	RTS_R4_-_621	2076010		NT
MU-2321	2076573	2076701					yoeD
MU-2322	2077061	2077586	RNAP_peak_-_682	RTS_R4_-_622	2077410;2077416;2077428;2077440;2077492;2077541	pORF_-_2077056	yeeX
MU-2323	2077611	2079336	RNAP_peak_-_683	RTS_R4_-_623	2079301;2079343;2079350	pORF_-_2078813	yeeA-sbmC
MU-2324	2079411	2080286	RNAP_peak_-_684	RTS_R4_-_624		pORF_-_2079405	dacD
MU-2325	2082261	2083536	RNAP_peak_-_685	RTS_R4_-_625	2083525;2083552;2083576	pORF_-_2082250	yeeD-yeeE
MU-2326	2083736	2085286	RNAP_peak_-_686	RTS_R4_-_626	2085346	pORF_-_2083728	yeeF
MU-2327	2085311	2087186	RNAP_peak_-_687	RTS_R4_-_627	2087176	pORF_-_2086328	yeeY-yeeZ
MU-2328	2087236	2087861	RNAP_peak_-_688	RTS_R4_-_628	2087755	pORF_-_2087486	yoeB-yefM
MU-2329	2095236	2096397	RNAP_peak_-_689	RTS_R4_-_629	2096336;2096346;2096355	pORF_-_2095345	cld
MU-2330	2096497	2097722	RNAP_peak_-_690	RTS_R4_-_630	2097696		ugd
MU-2331	2097872	2099272	RNAP_peak_-_691	RTS_R4_-_631	2099348;2099381	pORF_-_2097886	gnd
MU-2332	2099297	2099722	RNAP_peak_-_692	RTS_R4_-_632		pORF_-_2100940	wbbL
MU-2333	2099772	2100822	RNAP_peak_-_693	RTS_R4_-_633	2100996;2101009	pORF_-_2099919	insH
MU-2334	2100847	2103222	RNAP_peak_-_694	RTS_R4_-_634	2103361	pORF_-_2100940;pORF_-_2101415;pORF_-_2102518	wbbL-wbbK-wbbJ
MU-2335	2103247	2106408	RNAP_peak_-_695	RTS_R4_-_635	2106453;2106482;2106493;2106518	pORF_-_2103089;pORF_-_2105250	wbbI-rfc-glf
MU-2336	2106458	2107883	RNAP_peak_-_696	RTS_R4_-_636	2107775;2107921;2107951		rfbX
MU-2337	2107908	2109260	RNAP_peak_-_697	RTS_R4_-_637	2109097;2109105;2109125	pORF_-_2107605;pORF_-_2108162	rfbC-rfbA
MU-2338	2109285	2111360	RNAP_peak_-_698	RTS_R4_-_638	2111256	pORF_-_2109101;pORF_-_2110000	rfbD-rfbB
MU-2339	2111410	2112610	RNAP_peak_-_699	RTS_R4_-_639	2112375;2112440	pORF_-_2111458	galF
MU-2340	2112526	2116428				pORF_-_2113931	wcaM-wcaL-wcaK

MU-2341	2116704	2135267	RNAP_peak_-_700			pORF_-_2119633;pORF_-_2121108;pORF_-_2125217;pORF_-_2126928;pORF_-_2130091	wzxC-wcaJ-cpsG-cpsB-wcaI-gmm-fcl-gmd-wcaF-wcaE-wcaD-wcaC-wcaB-wcaA-wzc-wzb-wza
MU-2342	2137791	2140266	RNAP_peak_-_701	RTS_R4_-_640	2140303	pORF_-_2137783;pORF_-_2139658	asmA-dcd
MU-2343	2140291	2140991	RNAP_peak_-_702	RTS_R4_-_641	2141004;2141028	pORF_-_2140331	udk
MU-2344	2144716	2145666	RNAP_peak_-_703	RTS_R4_-_642	2145583		alkA
MU-2345	2147166	2148916	RNAP_peak_-_704	RTS_R4_-_643	2149011;2149067		yegI
MU-2346	2149735	2151152	RNAP_peak_-_705				yegK-yegL
MU-2347	2165341	2165541	RNAP_peak_-_706	RTS_R4_-_644	2165572		ogrK
MU-2348	2165626	2166330	RNAP_peak_-_707			pORF_-_2166013	yegZ-yegR
MU-2349	2167441	2168341	RNAP_peak_-_708	RTS_R4_-_645			gatR
MU-2350	2169016	2169691	RNAP_peak_-_709	RTS_R4_-_646	2169773		gatR
MU-2351	2169716	2175241	RNAP_peak_-_710	RTS_R4_-_647	2175234;2175250;2175256	pORF_-_2169857;pORF_-_2170945;pORF_-_2172304;pORF_-_2172619;pORF_-_2173081;pORF_-_2174372	gatD-gatC-gatB-gatA-gatZ-gatY
MU-2352	2175391	2176641	RNAP_peak_-_711	RTS_R4_-_648	2176631;2176655	pORF_-_2175534	fbaB
MU-2353	2179991	2181016	RNAP_peak_-_712	RTS_R4_-_649	2180828	pORF_-_2180057	yegW
MU-2354	2181116	2183591	RNAP_peak_-_713	RTS_R4_-_650	2183456;2183473	pORF_-_2180855;pORF_-_2181738;pORF_-_2182535	yegX-thiD-thiM
MU-2355	2183641	2183816	RNAP_peak_-_714	RTS_R4_-_651	2183843	pORF_-_2183546	rcnR
MU-2356	2185416	2190216	RNAP_peak_-_715	RTS_R4_-_652	2190296	pORF_-_2188948	yehA-yehB-yehC-yehD
MU-2357	2190516	2190866	RNAP_peak_-_716	RTS_R4_-_653	2190865		yehE
MU-2358	2191116	2192191	RNAP_peak_-_717	RTS_R4_-_654	2192222	pORF_-_2191081	mrp
MU-2359	2208866	2209191	RNAP_peak_-_718	RTS_R4_-_655	2209224		NT
MU-2360	2209866	2210291	RNAP_peak_-_719	RTS_R4_-_656	2210248		yehS
MU-2361	2210366	2212643	RNAP_peak_-_720	RTS_R4_-_657	2212693	pORF_-_2210265	yehT-yehU
MU-2362	2213718	2217668	RNAP_peak_-_721	RTS_R4_-_658	2217545	pORF_-_2214503;pORF_-_2215422;pORF_-_2216586	yehW-yehX-yehY-osmF
MU-2363	2217718	2220043	RNAP_peak_-_722	RTS_R4_-_659	2220064	pORF_-_2217714	bglX
MU-2364	2221843	2222993	RNAP_peak_-_723	RTS_R4_-_660	2222949	pORF_-_2221960	pbpG
MU-2365	2223043	2223668	RNAP_peak_-_724	RTS_R4_-_661	2223673;2223686	pORF_-_2223066	yohC
MU-2366	2224518	2225293	RNAP_peak_-_725	RTS_R4_-_662	2225320	pORF_-_2224531	yohF
MU-2367	2225345	2226780	RNAP_peak_-_726				mdtQ
MU-2368	2227268	2228393	RNAP_peak_-_727	RTS_R4_-_663	2228423;2228429		dusC
MU-2369	2234571	2236146	RNAP_peak_-_728	RTS_R4_-_664	2236029		mgIC
MU-2370	2236246	2238671	RNAP_peak_-_729	RTS_R4_-_665	2238475	pORF_-_2235791;pORF_-_2237372	mgIA-mglB
MU-2371	2238996	2241796	RNAP_peak_-_730	RTS_R4_-_666	2241821	pORF_-_2239832;pORF_-_2241006	galS-yeiB-foIE
MU-2372	2242671	2244946		RTS_R4_-_667	2244951	pORF_-_2242800	cirA
MU-2373	2245096	2246646	RNAP_peak_-_731	RTS_R4_-_668	2246582	pORF_-_2245085	lysP
MU-2374	2246746	2247696	RNAP_peak_-_732	RTS_R4_-_669	2247664	pORF_-_2246759	yeiE

MU-2375	2247746	2247921	RNAP_peak_-_733	RTS_R4_-_670	2247938		NT
MU-2376	2250917	2253208	RNAP_peak_-_734			pORF_-_2252267	nupX-rihB
MU-2377	2254107	2255357	RNAP_peak_-_735				yeiM
MU-2378	2255451	2257318	RNAP_peak_-_736			pORF_-_2255451	yeiN-yeiC
MU-2379	2257496	2261596	RNAP_peak_-_737	RTS_R4_-_671	2261616	pORF_-_2257741;pORF_-_2259449;pORF_-_2260387	fruA-fruK-fruB
MU-2380	2263063	2263317	RNAP_peak_-_738				yeiW
MU-2381	2275071	2276446	RNAP_peak_-_739	RTS_R4_-_672	2276298	pORF_-_2275915	yejG
MU-2382	2276621	2278546	RNAP_peak_-_740	RTS_R4_-_673	2278527;2278553;2278566	pORF_-_2277810	bcr-rsuA
MU-2383	2280897	2282072	RNAP_peak_-_741	RTS_R4_-_674	2281991;2282034	pORF_-_2280962	yejK
MU-2384	2284463	2286863	RNAP_peak_-_742	RTS_R4_-_675	2286797		yejO
MU-2385	2286938	2288113	RNAP_peak_-_743	RTS_R4_-_676	2288240	pORF_-_2287087	insH
MU-2384-1	2288136	2288202	RNAP_peak_-_744				yejO
MU-2386	2289663	2295938	RNAP_peak_-_745	RTS_R4_-_677	2295930	pORF_-_2289380;pORF_-_2295043	ccmH-ccmG-ccmF-ccmE-ccmD-ccmC-ccmB-ccmA
MU-2387	2296163	2300938	RNAP_peak_-_746	RTS_R4_-_678		pORF_-_2298289	napC-napB-napH-napG-napA-napD-napF
MU-2388	2302463	2304825	RNAP_peak_-_747	RTS_R4_-_679	2304826	pORF_-_2303130	mqo
MU-2389	2305050	2306825	RNAP_peak_-_748	RTS_R4_-_680	2306662	pORF_-_2304994	yojI
MU-2390	2307000	2308575	RNAP_peak_-_749	RTS_R4_-_681	2308429		alkB-ada
MU-2391	2308700	2311000	RNAP_peak_-_750	RTS_R4_-_682	2310826;2310858	pORF_-_2309668	apbE-ompC
MU-2392	2314775	2318100	RNAP_peak_-_751	RTS_R4_-_683	2318151	pORF_-_2315049	rcsC
MU-2393	2325389	2334666	RNAP_peak_-_752			pORF_-_2328321;pORF_-_2332358;pORF_-_2332978	yfaP-yfaQ-yfaS-yfaT-yfaA
MU-2394	2334825	2337450	RNAP_peak_-_753	RTS_R4_-_684	2337473;2337479	pORF_-_2334815	gyrA
MU-2395	2338575	2339925	RNAP_peak_-_754	RTS_R4_-_685	2340036	pORF_-_2338439	NT
MU-2396	2338439	2342191	RNAP_peak_-_755			pORF_-_2338439	yfaL
MU-2397	2342616	2342759	RNAP_peak_-_756		2342788		ypaB
MU-2398	2346875	2347500	RNAP_peak_-_757	RTS_R4_-_686	2347522		inaA
MU-2399	2347900	2350078		RTS_R4_-_687	2350000	pORF_-_2347957;pORF_-_2349038	glpQ-glpT
MU-2400	2356204	2360154		RTS_R4_-_688	2360256		yfaU-yfaV-yfaW-yfaX
MU-2401	2360479	2361679	RNAP_peak_-_758	RTS_R4_-_689	2361677	pORF_-_2360453	yfaY
MU-2402	2361879	2362304	RNAP_peak_-_759	RTS_R4_-_690	2362329;2362338	pORF_-_2361755	yfaZ
MU-2403	2363040	2363642	RNAP_peak_-_760			pORF_-_2363040	ais
MU-2404	2370879	2371554	RNAP_peak_-_761	RTS_R4_-_691	2371594	pORF_-_2371294	pmrD
MU-2405	2371654	2375004	RNAP_peak_-_762	RTS_R4_-_692	2374936	pORF_-_2371670;pORF_-_2373022;pORF_-_2373984	menE-menC-menB
MU-2406	2375129	2378679	RNAP_peak_-_763	RTS_R4_-_693	2378723	pORF_-_2375611;pORF_-_2377370	yfbB-menD-menF
MU-2407	2378704	2379154	RNAP_peak_-_764	RTS_R4_-_694	2379075	pORF_-_2378744	elaB
MU-2408	2379179	2379554	RNAP_peak_-_765	RTS_R4_-_695	2379587	pORF_-_2379104	elaA
MU-2409	2382530	2383755	RNAP_peak_-_766	RTS_R4_-_696	2383776;2383833		yfbK
MU-2410	2385732	2386448	RNAP_peak_-_767				yfbN

MU-2411	2387905	2403505	RNAP_peak_-_768	RTS_R4_-_697	2403158;2403180;2403201;2403219;2403397	pORF_-_2388070;pORF_-_2391227;pORF_-_2393065;pORF_-_2393364;pORF_-_2393930;pORF_-_2395461;pORF_-_2398240;pORF_-_2399574;pORF_-_2400077;pORF_-_2401973;pORF_-_2402651	nuoN-nuoM-nuoL-nuoK-nuoJ-nuoI-nuoH-nuoG-nuoF-nuoE-nuoC-nuoB-nuoA
MU-2412	2403697	2405097	RNAP_peak_-_769	RTS_R4_-_698	2404785;2405023;2405123	pORF_-_2403725	lrhA
MU-2413	2407547	2409372	RNAP_peak_-_770	RTS_R4_-_699	2409504		yfbS
MU-2414	2409472	2410647	RNAP_peak_-_771	RTS_R4_-_700	2410652;2410658;2410667	pORF_-_2409461;pORF_-_2410122	yfbT-yfbU
MU-2415	2410697	2411772	RNAP_peak_-_772	RTS_R4_-_701	2411591;2411704		yfbV
MU-2416	2416672	2417847	RNAP_peak_-_773	RTS_R4_-_702	2417830	pORF_-_2416656;pORF_-_2417256	yfcD-yfcE
MU-2417	2417897	2418547	RNAP_peak_-_774	RTS_R4_-_703	2418525;2418532	pORF_-_2417863	yfcF
MU-2418	2420672	2421297	RNAP_peak_-_775	RTS_R4_-_704		pORF_-_2420671	yfcI
MU-2419	2421497	2424897	RNAP_peak_-_776	RTS_R4_-_705	2424837;2424844;2424859	pORF_-_2421758;pORF_-_2423252;pORF_-_2424028	hisP-hisM-hisQ-hisJ
MU-2420	2424922	2425922	RNAP_peak_-_777	RTS_R4_-_706	2425901;2425959	pORF_-_2425031	argT
MU-2421	2426172	2428672	RNAP_peak_-_778	RTS_R4_-_707	2428847	pORF_-_2426709;pORF_-_2426743	ubiX-purF-cvpA
MU-2422	2428697	2429672	RNAP_peak_-_779	RTS_R4_-_708	2429694;2429833	pORF_-_2429044	dedD
MU-2423	2429697	2432122	RNAP_peak_-_780	RTS_R4_-_709	2431995;2432036	pORF_-_2429696;pORF_-_2431034	folC-accD
MU-2424	2432147	2433397	RNAP_peak_-_781	RTS_R4_-_710	2433217		dedA
MU-2425	2433422	2435247	RNAP_peak_-_782	RTS_R4_-_711	2435363	pORF_-_2432846;pORF_-_2433658	truA-usg
MU-2426	2435272	2435872	RNAP_peak_-_783	RTS_R4_-_712	2435905	pORF_-_2434737	pdxB
MU-2427	2436964	2438142	RNAP_peak_-_784				yfcJ
MU-2428	2438347	2439722	RNAP_peak_-_785	RTS_R4_-_713	2439663	pORF_-_2438407	fabB
MU-2429	2441747	2442447	RNAP_peak_-_786	RTS_R4_-_714	2442251;2442286	pORF_-_2441913	yfcL
MU-2430	2442472	2446473	RNAP_peak_-_787	RTS_R4_-_715	2446495	pORF_-_2443582;pORF_-_2444410;pORF_-_2445530	yfcM-yfcA-mepA-aroC-prmB
MU-2431	2447073	2448048	RNAP_peak_-_788	RTS_R4_-_716	2447951		NT
MU-2432	2452323	2452698	RNAP_peak_-_789	RTS_R4_-_717	2452762		NT
MU-2433	2447250	2453668	RNAP_peak_-_790				yfcO-yfcP-yfcQ-yfcR-yfcS-yfcU-yfcV
MU-2434	2454348	2454848	RNAP_peak_-_791	RTS_R4_-_718	2454827;2454938	pORF_-_2454349	sixA
MU-2435	2454898	2458500	RNAP_peak_-_792	RTS_R4_-_719	2458531	pORF_-_2455037;pORF_-_2457181;pORF_-_2457788	fadJ-fadI
MU-2436	2458675	2459250	RNAP_peak_-_793	RTS_R4_-_720	2459001	pORF_-_2458672	yfcZ
MU-2437	2462328	2463203	RNAP_peak_-_794	RTS_R4_-_721	2463106;2463157	pORF_-_2462274	vacJ
MU-2438	2468553	2468678	RNAP_peak_-_795	RTS_R4_-_722	2468671;2468686		NT



MU-2439	2469099	2471346	RNAP_peak_-_796				yfdK-yfdL-yfdM-yfdN-yfdO
MU-2440	2474803	2475628	RNAP_peak_-_797	RTS_R4_-_723	2475745		dsdC
MU-2441	2478660	2481361	RNAP_peak_-_798				emrY-emrK
MU-2442	2485679	2486379	RNAP_peak_-_799	RTS_R4_-_724	2486315		NT
MU-2443	2486045	2488208	RNAP_peak_-_800				yfdE-yfdV
MU-2444	2488278	2491276	RNAP_peak_-_801			pORF_-_2490026	oxc-frc
MU-2445	2491789	2492424	RNAP_peak_-_802			pORF_-_2491789	yfdX
MU-2446	2492854	2493329	RNAP_peak_-_803	RTS_R4_-_725	2493341		yfdY
MU-2447	2494216	2494651	RNAP_peak_-_804				tpke70
MU-2448	2495129	2496354	RNAP_peak_-_805	RTS_R4_-_726	2496467	pORF_-_2495079	yfdZ
MU-2449	2500012	2506264				pORF_-_2500012;pORF_-_2504669	fryA-ypdE-ypdF-fryC-fryB
MU-2450	2506554	2508054	RNAP_peak_-_806	RTS_R4_-_727	2507954	pORF_-_2506483	glk
MU-2451	2509479	2510854	RNAP_peak_-_807	RTS_R4_-_728	2510851;2510875	pORF_-_2509490	mntH
MU-2452	2513104	2516004	RNAP_peak_-_808	RTS_R4_-_729	2515900	pORF_-_2513665	yfeA
MU-2453	2516054	2516254	RNAP_peak_-_809	RTS_R4_-_730	2516263		alaX-alaW
MU-2454	2517329	2518779	RNAP_peak_-_810	RTS_R4_-_731	2518736;2518746;2518796	pORF_-_2517279	gltX
MU-2455	2519754	2520429	RNAP_peak_-_811	RTS_R4_-_732	2520518;2520527	pORF_-_2519615	xapR
MU-2456	2520751	2522900					xapB-xapA
MU-2457	2524481	2524806	RNAP_peak_-_812	RTS_R4_-_733			yfeR
MU-2458	2526156	2528231	RNAP_peak_-_813	RTS_R4_-_734	2528246	pORF_-_2526183	ypeB-ligA
MU-2459	2528256	2529281	RNAP_peak_-_814	RTS_R4_-_735	2529301	pORF_-_2528269	zipA
MU-2460	2534456	2535306	RNAP_peak_-_815	RTS_R4_-_736	2535298;2535305	pORF_-_2534408	pdxK
MU-2461	2536106	2541558	RNAP_peak_-_816	RTS_R4_-_737	2541580	pORF_-_2536694;pORF_-_2537739;pORF_-_2539701;pORF_-_2540534	cysM-cysA-cysW-cysU-cysP
MU-2462	2541710	2542660	RNAP_peak_-_817	RTS_R4_-_738	2542686	pORF_-_2541854	ucpA
MU-2463	2542960	2543635		RTS_R4_-_739			yfeT
MU-2464	2547485	2548785	RNAP_peak_-_818	RTS_R4_-_740	2548612;2548680	pORF_-_2547668	yfeX
MU-2465	2548810	2550160	RNAP_peak_-_819	RTS_R4_-_741	2550165;2550190;2550324	pORF_-_2548663;pORF_-_2549735	yfeY-yfeZ-ypeA
MU-2466	2552260	2556910	RNAP_peak_-_820	RTS_R4_-_742	2556832;2556852	pORF_-_2553763;pORF_-_2554432;pORF_-_2555340	eutR-eutK-eutL-eutC-eutB
MU-2467	2558985	2559061	RNAP_peak_-_821	RTS_R4_-_743	2559079		NT
MU-2468	2563503	2566129				pORF_-_2563503	eutA-eutH
MU-2469	2566346	2570072	RNAP_peak_-_822			pORF_-_2568370	eutG-eutJ-eutE-eutN
MU-2470	2570179	2573827	RNAP_peak_-_823			pORF_-_2570179;pORF_-_2570511	eutM-eutD-eutT-eutQ-eutP-eutS
MU-2471	2574112	2576512	RNAP_peak_-_824	RTS_R4_-_744	2576431;2576547;2576553	pORF_-_2574120	maeB
MU-2472	2579912	2580812	RNAP_peak_-_825	RTS_R4_-_745	2580921;2580929		ypfG
MU-2473	2580987	2581487	RNAP_peak_-_826	RTS_R4_-_746	2581523	pORF_-_2580925	nudK
MU-2474	2581568	2583547	RNAP_peak_-_827			pORF_-_2581568	aegA
MU-2475	2588763	2589063	RNAP_peak_-_828	RTS_R4_-_747	2588907		ypfM
MU-2476	2591113	2591863	RNAP_peak_-_829	RTS_R4_-_748	2591811		ypfH
MU-2477	2591913	2594863	RNAP_peak_-_830	RTS_R4_-_749	2594785;2594806	pORF_-_2591866;pORF_-_2593896	ypfI-ypfJ

MU-2478	2594913	2595788	RNAP_peak_-_831	RTS_R4_-_750	2595666;2595676;2595755	pORF_-_2594927	purC
MU-2479	2595813	2597813	RNAP_peak_-_832	RTS_R4_-_751	2597806	pORF_-_2595853;pORF_-_2596904	bamC-dapA
MU-2480	2612440	2613915	RNAP_peak_-_833	RTS_R4_-_752	2613938		yfgO
MU-2481	2616065	2616840	RNAP_peak_-_834	RTS_R4_-_753	2616827	pORF_-_2616097	hda
MU-2482	2616890	2618215	RNAP_peak_-_835	RTS_R4_-_754	2618258;2618264		uraA
MU-2483	2618266	2618916	RNAP_peak_-_836	RTS_R4_-_755	2618924;2618931	pORF_-_2618268	upp
MU-2484	2624717	2626960	RNAP_peak_-_837				yfgF
MU-2485	2628978	2630778	RNAP_peak_-_838	RTS_R4_-_756	2630583;2630625;2630663	pORF_-_2628980	guaA
MU-2486	2630803	2632103	RNAP_peak_-_839	RTS_R4_-_757	2632099;2632112;2632120;2632127	pORF_-_2630626	guaB
MU-2487	2633728	2633828	RNAP_peak_-_840	RTS_R4_-_758	2633893	pORF_-_2633621	yfgJ
MU-2488	2633878	2635878	RNAP_peak_-_841	RTS_R4_-_759	2635401;2635441;2635482;2635811	pORF_-_2633906	der
MU-2489	2635903	2638754	RNAP_peak_-_842	RTS_R4_-_760	2638708	pORF_-_2635496;pORF_-_2636685;pORF_-_2637323	bamB-yfgM-hisS-sroE
MU-2490	2638779	2640879	RNAP_peak_-_843	RTS_R4_-_761	2640937;2640954;2641026	pORF_-_2638708;pORF_-_2639853	ispG-yfgA
MU-2491	2640904	2642504	RNAP_peak_-_844	RTS_R4_-_762	2642409	pORF_-_2641151	rlmN
MU-2492	2642529	2642954	RNAP_peak_-_845	RTS_R4_-_763	2642905;2642935	pORF_-_2642455	ndk
MU-2493	2643079	2648855	RNAP_peak_-_846	RTS_R4_-_764	2648867		pbpC
MU-2494	2648905	2650330	RNAP_peak_-_847	RTS_R4_-_765	2650349;2650424	pORF_-_2645348	yfhM
MU-2495	2651410	2651460	RNAP_peak_-_848	RTS_R4_-_766	2651695		C0614
MU-2496	2652199	2654474	RNAP_peak_-_849	RTS_R4_-_767	2654561;2654589	pORF_-_2652179;pORF_-_2653097	sseB-pepB
MU-2497	2654499	2657174	RNAP_peak_-_850	RTS_R4_-_768	2657012	pORF_-_2654558;pORF_-_2654770;pORF_-_2655107	iscX-fdx-hscA
MU-2498	2657199	2658052	RNAP_peak_-_851	RTS_R4_-_769	2657928;2658178	pORF_-_2656974;pORF_-_2657585	hscB-iscA
MU-2499	2658077	2660227	RNAP_peak_-_852	RTS_R4_-_770	2660290	pORF_-_2657925;pORF_-_2658339;pORF_-_2659665	iscU-iscS-iscR
MU-2500	2660277	2661352	RNAP_peak_-_853	RTS_R4_-_771	2661369	pORF_-_2660605	trmJ
MU-2501	2665027	2666927		RTS_R4_-_772	2666961;2666967		hcaT-hcaR
MU-2502	2671927	2675502	RNAP_peak_-_854	RTS_R4_-_773	2675475;2675603	pORF_-_2672722	yphB-yphC-yphD
MU-2503	2675777	2677302	RNAP_peak_-_855	RTS_R4_-_774	2677426	pORF_-_2674872	yphE-yphF
MU-2504	2677727	2680527	RNAP_peak_-_856	RTS_R4_-_775	2680419	pORF_-_2677486	yphG
MU-2505	2682152	2683577	RNAP_peak_-_857	RTS_R4_-_776	2683559;2683594	pORF_-_2682276	glyA
MU-2506	2685102	2685277	RNAP_peak_-_858	RTS_R4_-_777	2685463;2685545	pORF_-_2685092	glnB
MU-2507	2685302	2688227	RNAP_peak_-_859	RTS_R4_-_778	2688207;2688341	pORF_-_2685491;pORF_-_2686815	yfhA-yfhG
MU-2508	2688302	2689352	RNAP_peak_-_860	RTS_R4_-_779	2689362	pORF_-_2687693	yfhK-glmY
MU-2509	2689627	2693577	RNAP_peak_-_861	RTS_R4_-_780	2693611	pORF_-_2689678	purL
MU-2510	2695302	2696577	RNAP_peak_-_862	RTS_R4_-_781	2696606;2696614		tadA-yfhB
MU-2511	2698202	2698377	RNAP_peak_-_863	RTS_R4_-_782	2698358		ryfB

MU-2512	2698714	2702264	RNAP_peak_-_864	RTS_R4_-_783	2702104;2702115;2702123;2702205	pORF_-_2698640;pORF_-_2699020;pORF_-_2700503;pORF_-_2701405	acpS-pdxJ-recO-era-rnc
MU-2513	2702364	2705289	RNAP_peak_-_865	RTS_R4_-_784	2705232	pORF_-_2702357;pORF_-_2703347	lepB-lepA
MU-2514	2705364	2707439	RNAP_peak_-_866	RTS_R4_-_785	2707434;2707441;2707472;2707589;2707654	pORF_-_2705820;pORF_-_2706776	rseC-rseB-rseA
MU-2515	2707464	2708339	RNAP_peak_-_867	RTS_R4_-_786	2708110;2708252	pORF_-_2707459	rpoE
MU-2516	2709964	2710789	RNAP_peak_-_868	RTS_R4_-_787	2710822		yfiC
MU-2517	2712464	2713339	RNAP_peak_-_869	RTS_R4_-_788	2713408		yfiE
MU-2518	2713914	2714514	RNAP_peak_-_870	RTS_R4_-_789	2714490;2714508;2714523;2714531;2714543	pORF_-_2714088	yfiD
MU-2519	2715589	2716639	RNAP_peak_-_871	RTS_R4_-_790	2716576;2716615;2716630	pORF_-_2715513	yfiF
MU-2520	2722140	2723815	RNAP_peak_-_872	RTS_R4_-_791	2723834	pORF_-_2722470	kgtP
MU-2521	2724090	2724215	RNAP_peak_-_873	RTS_R4_-_792	2724210		rrfG
MU-2522	2724240	2729344	RNAP_peak_-_874	RTS_R4_-_793	2729179		rrlG-gltW-rrsG
MU-2523	2729369	2732194	RNAP_peak_-_875	RTS_R4_-_794	2732227	pORF_-_2729622	clpB
MU-2524	2732219	2732294	RNAP_peak_-_876	RTS_R4_-_795	2732315		ryfD
MU-2525	2732319	2734119	RNAP_peak_-_877	RTS_R4_-_796	2734086	pORF_-_2732325;pORF_-_2733053	yfiH-rluD
MU-2526	2736069	2736544	RNAP_peak_-_878	RTS_R4_-_797	2736563		NT
MU-2527	2736994	2739469	RNAP_peak_-_879	RTS_R4_-_798	2739331	pORF_-_2736970;pORF_-_2738102	tyrA-arof
MU-2528	2742119	2744220	RNAP_peak_-_880	RTS_R4_-_799	2744276;2744314	pORF_-_2742205;pORF_-_2742594;pORF_-_2743392;pORF_-_2743959	rplS-trmD-rimM-rpsP
MU-2529	2744245	2745870	RNAP_peak_-_881	RTS_R4_-_800	2745876	pORF_-_2744456	ffh
MU-2530	2747645	2748820	RNAP_peak_-_882	RTS_R4_-_801	2748759;2748769	pORF_-_2748137	grpE
MU-2531	2752045	2752745	RNAP_peak_-_883	RTS_R4_-_802	2752770	pORF_-_2752030	yfjF-yfjG
MU-2532	2755666	2756622	RNAP_peak_-_884				yfjH
MU-2533	2759336	2763486	RNAP_peak_-_885	RTS_R4_-_803	2763334		yfjK-yfjL
MU-2534	2763535	2763798					yfjM
MU-2535	2764086	2764211	RNAP_peak_-_886	RTS_R4_-_804	2764225		NT
MU-2536	2769492	2770017	RNAP_peak_-_887	RTS_R4_-_805	2769887	pORF_-_2769862	NT
MU-2537	2770092	2770967	RNAP_peak_-_888	RTS_R4_-_806		pORF_-_2770189	yfjU-yfjV
MU-2538	2776268	2779593	RNAP_peak_-_889	RTS_R4_-_807	2779623	pORF_-_2776168	NT
MU-2539	2776168	2780748	RNAP_peak_-_890			pORF_-_2776168	ypjA
MU-2540	2781087	2781326	RNAP_peak_-_891				pinH
MU-2541	2781660	2783033					ypjC
MU-2542	2783799	2783824	RNAP_peak_-_892	RTS_R4_-_808	2783978		ileY
MU-2543	2794102	2794277	RNAP_peak_-_893	RTS_R4_-_809	2794373		NT
MU-2544	2794302	2794827	RNAP_peak_-_894	RTS_R4_-_810	2794835	pORF_-_2794359	ygaU
MU-2545	2794877	2795077	RNAP_peak_-_895	RTS_R4_-_811	2795088;2795098;2795107		yqaE
MU-2546	2796002	2796552	RNAP_peak_-_896	RTS_R4_-_812	2796550;2796559;2796579;2796599	pORF_-_2796113	stpA
MU-2547	2797477	2798177	RNAP_peak_-_897	RTS_R4_-_813	2798154		ygaC

MU-2548	2798302	2798702	RNAP_peak_-_898	RTS_R4_-_814	2798693		NT
MU-2549	2807153	2807578	RNAP_peak_-_899	RTS_R4_-_815	2807603		NT
MU-2550	2809453	2809503		RTS_R4_-_816			NT
MU-2551	2812003	2812906	RNAP_peak_-_900	RTS_R4_-_817	2812784;2812837;2812900	pORF_-_2812240	luxS
MU-2552	2812931	2814756	RNAP_peak_-_901	RTS_R4_-_818	2814612	pORF_-_2812905	gshA
MU-2553	2814806	2815531	RNAP_peak_-_902	RTS_R4_-_819	2815550	pORF_-_2814959	yqaA-yqaB
MU-2554	2815731	2815856	RNAP_peak_-_903	RTS_R4_-_820	2815942		argQ
MU-2555	2816081	2816131	RNAP_peak_-_904	RTS_R4_-_821			argZ
MU-2556	2816231	2816281	RNAP_peak_-_905	RTS_R4_-_822	2816357		argY
MU-2557	2816506	2816706	RNAP_peak_-_906	RTS_R4_-_823	2816667		argV-serV
MU-2558	2816931	2817156	RNAP_peak_-_907	RTS_R4_-_824	2817211;2817220;2817295	pORF_-_2816983	csrA
MU-2559	2817181	2820081	RNAP_peak_-_908	RTS_R4_-_825	2820046;2820060;2820112	pORF_-_2817403	alaS
MU-2560	2820161	2820661	RNAP_peak_-_909			pORF_-_2820161	recX
MU-2561	2820781	2821831	RNAP_peak_-_910	RTS_R4_-_826	2821830;2821834;2821840;2821878	pORF_-_2820730	recA
MU-2562	2821881	2822381		RTS_R4_-_827	2822395	pORF_-_2821871	ygaD
MU-2563	2822531	2823606	RNAP_peak_-_911	RTS_R4_-_828	2823564	pORF_-_2822513	mltB
MU-2564	2828856	2830306	RNAP_peak_-_912	RTS_R4_-_829	2830332		norR
MU-2565	2833581	2835506	RNAP_peak_-_913	RTS_R4_-_830	2835567	pORF_-_2833195	hypF
MU-2566	2835600	2836127					hydN
MU-2567	2836281	2837281	RNAP_peak_-_914	RTS_R4_-_831	2837310	pORF_-_2836276	ascG
MU-2568	2840606	2841081	RNAP_peak_-_915	RTS_R4_-_832	2841124	pORF_-_2840595	hycI
MU-2569	2840595	2848457	RNAP_peak_-_916			pORF_-_2840595;pORF_-_2845437	hycI-hycH-hycG-hycF-hycE-hycD-hycC-hycB-hycA
MU-2570	2854506	2854831	RNAP_peak_-_917	RTS_R4_-_833	2854922	pORF_-_2854475	ygbA
MU-2571	2858532	2859257	RNAP_peak_-_918	RTS_R4_-_834	2859278		ygbI
MU-2572	2864582	2866082	RNAP_peak_-_919	RTS_R4_-_835	2866141	pORF_-_2864581	rpoS
MU-2573	2866107	2866857	RNAP_peak_-_920	RTS_R4_-_836	2866803	pORF_-_2865636	nlpD
MU-2574	2866882	2868482	RNAP_peak_-_921	RTS_R4_-_837	2868608;2868673	pORF_-_2866915;pORF_-_2867535	pcm-surE
MU-2575	2868507	2871007	RNAP_peak_-_922	RTS_R4_-_838	2870979	pORF_-_2868277;pORF_-_2869323;pORF_-_2869802;pORF_-_2870531	truD-ispF-ispD-ftsB
MU-2576	2871032	2871407	RNAP_peak_-_923	RTS_R4_-_839			ygbE
MU-2577	2871432	2874382	RNAP_peak_-_924	RTS_R4_-_840	2874392	pORF_-_2871409;pORF_-_2872014;pORF_-_2873443	cysC-cysN-cysD
MU-2578	2876257	2876532	RNAP_peak_-_925	RTS_R4_-_841	2876455		NT
MU-2579	2876607	2876782	RNAP_peak_-_926	RTS_R4_-_842			ygbF
MU-2580	2876857	2878332	RNAP_peak_-_927	RTS_R4_-_843	2878363;2878413		ygbT-ygcH
MU-2581	2878407	2879082	RNAP_peak_-_928	RTS_R4_-_844	2878903	pORF_-_2879073	ygcI
MU-2582	2879073	2882160	RNAP_peak_-_929			pORF_-_2879073	ygcJ-ygcK-ygcL
MU-2583	2882675	2884250	RNAP_peak_-_930	RTS_R4_-_845	2884174		NT
MU-2584	2884425	2885125	RNAP_peak_-_931	RTS_R4_-_846		pORF_-_2884083;pORF_-_2882575	ygcB
MU-2585	2885450	2889978	RNAP_peak_-_932	RTS_R4_-_847	2889945;2889976;2889985	pORF_-_2885600;pORF_-_2886409;pORF_-_2888121	cysH-cysI-cysJ

MU-2586	2892978	2898499	RNAP_peak_-_933	RTS_R4_-_848		pORF_-_2895986;pORF_-_2897510	ygcQ-ygcR-ygcS-ygcU-ygcW
MU-2587	2902088	2902513	RNAP_peak_-_934	RTS_R4_-_849	2902483		NT
MU-2588	2902813	2903438	RNAP_peak_-_935	RTS_R4_-_850	2903464	pORF_-_2902769	ygcF
MU-2589	2904663	2906838	RNAP_peak_-_936	RTS_R4_-_851	2905978;2905988;2906041;2906123;2906149;2906248	pORF_-_2904665	eno
MU-2590	2906863	2907838	RNAP_peak_-_937	RTS_R4_-_852	2907728	pORF_-_2906051	pyrG
MU-2591	2907863	2909363	RNAP_peak_-_938	RTS_R4_-_853	2909279;2909390	pORF_-_2907916;pORF_-_2908778;pORF_-_2909113	mazG-chpA-chpR
MU-2592	2909388	2911938	RNAP_peak_-_939	RTS_R4_-_854	2911869;2912027	pORF_-_2909439	relA
MU-2593	2911963	2913213	RNAP_peak_-_940	RTS_R4_-_855	2913051	pORF_-_2911721	rumA
MU-2594	2916188	2920088		RTS_R4_-_856		pORF_-_2916067;pORF_-_2917428	gudD-gudX-gudP
MU-2595	2920613	2922163	RNAP_peak_-_941	RTS_R4_-_857	2922159	pORF_-_2920557;pORF_-_2921024;pORF_-_2921806	yqcA-truC-yqcC
MU-2596	2922213	2922588	RNAP_peak_-_942	RTS_R4_-_858	2922546;2922556		csrB
MU-2597	2922788	2923313	RNAP_peak_-_943	RTS_R4_-_859	2923335	pORF_-_2922757	syd
MU-2598	2929940	2931340		RTS_R4_-_860		pORF_-_2929887	fucO-fucA
MU-2599	2938173	2939773	RNAP_peak_-_944	RTS_R4_-_861	2939689;2939796	pORF_-_2938165	ygdE-ygdD
MU-2600	2939823	2940698	RNAP_peak_-_945	RTS_R4_-_862	2940661	pORF_-_2939672	gcvA
MU-2601	2940773	2941273	RNAP_peak_-_946	RTS_R4_-_863	2941194;2941235	pORF_-_2940940	ygdI
MU-2602	2943073	2944123	RNAP_peak_-_947	RTS_R4_-_864	2944074;2944085;2944096;2944175	pORF_-_2943058	ygdL
MU-2603	2944148	2945298	RNAP_peak_-_948	RTS_R4_-_865	2945225	pORF_-_2944103	mltA
MU-2604	2945623	2947248	RNAP_peak_-_949	RTS_R4_-_866	2947086		amiC
MU-2605	2948673	2954098	RNAP_peak_-_950	RTS_R4_-_867	2953935;2954000	pORF_-_2948657;pORF_-_2950483	recD-recB
MU-2606	2954123	2957000		RTS_R4_-_868	2957031	pORF_-_2954018	ptrA
MU-2607	2957075	2960500	RNAP_peak_-_951	RTS_R4_-_869		pORF_-_2957082	recC
MU-2608	2960700	2962150		RTS_R4_-_870	2962199		ppdC-ygdB-ppdB-ppdA
MU-2609	2962375	2964300	RNAP_peak_-_952	RTS_R4_-_871	2964139	pORF_-_2962383;pORF_-_2963184	thyA-lgt
MU-2610	2964350	2967000	RNAP_peak_-_953	RTS_R4_-_872	2967018	pORF_-_2964210	ptsP-rppH
MU-2611	2967352	2967498	RNAP_peak_-_954				ygdT
MU-2612	2970728	2972578	RNAP_peak_-_955	RTS_R4_-_873	2972534;2972645	pORF_-_2970691	lplT
MU-2613	2972628	2974053	RNAP_peak_-_956	RTS_R4_-_874	2974072	pORF_-_2971877	aas
MU-2614	2974153	2974178	RNAP_peak_-_957	RTS_R4_-_875	2974189		omrA
MU-2615	2974253	2974378	RNAP_peak_-_958	RTS_R4_-_876	2974407		omrB
MU-2616	2975353	2976928	RNAP_peak_-_959	RTS_R4_-_877	2976947	pORF_-_2975659	lysA
MU-2617	2977803	2980403	RNAP_peak_-_960	RTS_R4_-_878	2980232	pORF_-_2977965;pORF_-_2978786	ygeA-araE
MU-2618	2980703	2981978	RNAP_peak_-_961	RTS_R4_-_879		pORF_-_2980519	kduD-kduI
MU-2619	2982530	2983630	RNAP_peak_-_962	RTS_R4_-_880	2983635	pORF_-_2982433	yqeF
MU-2620	2987957	2988382	RNAP_peak_-_963				yqeK
MU-2621	2992482	2993114	RNAP_peak_-_964				ygeK
MU-2622	2993336	2994382	RNAP_peak_-_965				ygeN-ygeO

MU-2623	2994300	2995800	RNAP_peak_-_966	RTS_R4_-_881	2995918		insD-insC
MU-2624	2995950	2996825	RNAP_peak_-_967	RTS_R4_-_882			ygeQ
MU-2625	2996975	2997075	RNAP_peak_-_968	RTS_R4_-_883	2997079		glyU
MU-2626	2997225	2998125	RNAP_peak_-_969	RTS_R4_-_884	2998266		ygeR
MU-2627	3002150	3003850	RNAP_peak_-_970	RTS_R4_-_885	3003869	pORF_-_3002030	ygeV
MU-2628	3010479	3013104	RNAP_peak_-_971	RTS_R4_-_886	3013059	pORF_-_3010636;pORF_-_3012309	yqeB-yqeC
MU-2629	3014254	3014354	RNAP_peak_-_972	RTS_R4_-_887			NT
MU-2630	3023279	3023654		RTS_R4_-_888	3023597;3023627		NT
MU-2631	3026552	3028902		RTS_R4_-_889		pORF_-_3027034	ygfS-ygfT
MU-2632	3031802	3034327	RNAP_peak_-_973	RTS_R4_-_890	3034313;3034336;3034346	pORF_-_3031679;pORF_-_3033206;pORF_-_3034227	lysS-prfB
MU-2633	3034377	3037902	RNAP_peak_-_974	RTS_R4_-_891	3037790;3037800	pORF_-_3034395;pORF_-_3036134;pORF_-_3036869	recJ-dsbC-xerD
MU-2634	3038252	3039252	RNAP_peak_-_975	RTS_R4_-_892	3039121	pORF_-_3038826	ygfX-ygfY
MU-2635	3040377	3041202	RNAP_peak_-_976	RTS_R4_-_893	3041333		yqfA
MU-2636	3041302	3041702	RNAP_peak_-_977	RTS_R4_-_894	3041676	pORF_-_3041334	yqfB
MU-2637	3043277	3043902		RTS_R4_-_895		pORF_-_3043180	ygfF
MU-2638	3044127	3047102		RTS_R4_-_896	3047178	pORF_-_3044190	gcvP
MU-2639	3047127	3048777	RNAP_peak_-_978	RTS_R4_-_897	3048789;3048798	pORF_-_3047182;pORF_-_3047595	gcvH-gcvT
MU-2640	3049052	3053477	RNAP_peak_-_979	RTS_R4_-_898	3053495	pORF_-_3049137;pORF_-_3050362;pORF_-_3051537;pORF_-_3052888	visC-ubiH-pepP-ygfB
MU-2641	3055202	3056452	RNAP_peak_-_980	RTS_R4_-_899	3056477	pORF_-_3055200	serA
MU-2642	3056652	3057452	RNAP_peak_-_981	RTS_R4_-_900	3057375	pORF_-_3056688	rpiA
MU-2643	3057403	3057723	RNAP_peak_-_982				yqfE
MU-2644	3064299	3065195	RNAP_peak_-_983			pORF_-_3064299	ygfI
MU-2645	3065383	3066133	RNAP_peak_-_984	RTS_R4_-_901	3066137;3066148	pORF_-_3065362	yggE
MU-2646	3066183	3066833		RTS_R4_-_902	3066858		argO
MU-2647	3066933	3067883	RNAP_peak_-_985	RTS_R4_-_903	3067836;3067856;3067893	pORF_-_3066969	mscS
MU-2648	3067958	3069308	RNAP_peak_-_986	RTS_R4_-_904	3069449;3069477	pORF_-_3068187	fbaA
MU-2649	3069333	3070883	RNAP_peak_-_987	RTS_R4_-_905	3070670;3070703;3070757	pORF_-_3069481	pgk
MU-2650	3070933	3071908	RNAP_peak_-_988	RTS_R4_-_906	3071845	pORF_-_3070694	epd
MU-2651	3071958	3073458	RNAP_peak_-_989	RTS_R4_-_907	3073487	pORF_-_3071998	yggC-yggD
MU-2652	3073239	3077352	RNAP_peak_-_990			pORF_-_3075493	yggF-yggP-cmtA-cmtB
MU-2653	3077696	3079721	RNAP_peak_-_991	RTS_R4_-_908	3079737	pORF_-_3077666	tktA
MU-2654	3080621	3081899	RNAP_peak_-_992	RTS_R4_-_909	3081893;3081908;3081948;3081968;3081990	pORF_-_3080899	speB
MU-2655	3081924	3083899	RNAP_peak_-_993	RTS_R4_-_910	3083950;3084078	pORF_-_3081957	speA
MU-2656	3083924	3084399	RNAP_peak_-_994	RTS_R4_-_911	3084420		yqgB
MU-2657	3084421	3084672	RNAP_peak_-_995				yqgD
MU-2658	3092122	3093102	RNAP_peak_-_996		3093107	pORF_-_3092122	yggR
MU-2659	3096580	3097587					yggM
MU-2660	3097949	3098749	RNAP_peak_-_997	RTS_R4_-_912		pORF_-_3097704	ansB
MU-2661	3098974	3099649	RNAP_peak_-_998	RTS_R4_-_913	3099822	pORF_-_3098926	yggN

MU-2662	3099699	3100249	RNAP_peak_-_999	RTS_R4_-_914	3100179;3100215;3100221;3100257;3100324	pORF_-_3099829	yggL
MU-2663	3100274	3101099	RNAP_peak_-_1000	RTS_R4_-_915	3101025	pORF_-_3100155	trmI
MU-2664	3105079	3107263	RNAP_peak_-_1001	RTS_R4_-_916	3107281;3107308	pORF_-_3105042	speC
MU-2665	3108938	3110988	RNAP_peak_-_1002	RTS_R4_-_917	3111057	pORF_-_3110076	yghD-yghE-yghF
MU-2666	3111063	3111938	RNAP_peak_-_1003	RTS_R4_-_918	3111570;3111770;3111918		yghG
MU-2667	3111565	3112374	RNAP_peak_-_1004				pppA
MU-2668	3112388	3117338	RNAP_peak_-_1005	RTS_R4_-_919	3117349;3117362	pORF_-_3112572	yghJ
MU-2669	3117788	3119238	RNAP_peak_-_1006	RTS_R4_-_920	3119364	pORF_-_3117619	glcA
MU-2670	3119363	3122838	RNAP_peak_-_1007	RTS_R4_-_921	3122752;3122796	pORF_-_3119656;pORF_-_3121849	glcB-glcG
MU-2671	3123338	3126138	RNAP_peak_-_1008	RTS_R4_-_922	3126098;3126195	pORF_-_3123492;pORF_-_3124544	glcF-glcE-glcD
MU-2672	3127065	3128165	RNAP_peak_-_1009				yghO
MU-2673	3129363	3131979	RNAP_peak_-_1010			pORF_-_3129363	yghQ-yghR-yghS
MU-2674	3132894	3134393	RNAP_peak_-_1011				pitB
MU-2675	3134713	3136613	RNAP_peak_-_1012	RTS_R4_-_923	3136551	pORF_-_3134685	gsp
MU-2676	3137838	3141188	RNAP_peak_-_1013	RTS_R4_-_924	3141054;3141126	pORF_-_3139308	hybG-hybF-hybE-hybD-hybC
MU-2677	3142238	3144413	RNAP_peak_-_1014	RTS_R4_-_925	3144309;3144385		hybB-hybA-hybO
MU-2678	3144438	3144763	RNAP_peak_-_1015	RTS_R4_-_926	3144780		yghW
MU-2679	3144863	3145763	RNAP_peak_-_1016	RTS_R4_-_927	3145787		yghX
MU-2680	3147013	3147488	RNAP_peak_-_1017	RTS_R4_-_928	3147518		yqhA
MU-2681	3148638	3150063	RNAP_peak_-_1018	RTS_R4_-_929	3150038	pORF_-_3148840;pORF_-_3149272	exbD-exbB
MU-2682	3151588	3153197	RNAP_peak_-_1019	RTS_R4_-_930	3153212		yqhC
MU-2683	3156072	3156172	RNAP_peak_-_1020	RTS_R4_-_931			NT
MU-2684	3156697	3159222	RNAP_peak_-_1021	RTS_R4_-_932	3159202	pORF_-_3156949	ygiQ
MU-2685	3159297	3160672	RNAP_peak_-_1022	RTS_R4_-_933	3160708;3160864	pORF_-_3159279	ftsP
MU-2686	3160697	3161647	RNAP_peak_-_1023	RTS_R4_-_934	3161587	pORF_-_3160766	plsC
MU-2687	3161697	3164024		RTS_R4_-_935	3164043	pORF_-_3161737	parC
MU-2688	3164324	3166574	RNAP_peak_-_1024	RTS_R4_-_936	3166584	pORF_-_3164133;pORF_-_3165873	ygiS-ygiT-mqsR
MU-2689	3166799	3167749	RNAP_peak_-_1025	RTS_R4_-_937	3167731	pORF_-_3167306	ygiV-ygiW
MU-2690	3169901	3170233	RNAP_peak_-_1026				ygiZ
MU-2691	3171477	3173627	RNAP_peak_-_1027	RTS_R4_-_938	3173667	pORF_-_3171526	parE
MU-2692	3173652	3174952	RNAP_peak_-_1028	RTS_R4_-_939	3174987	pORF_-_3173447;pORF_-_3174028	yqiA-cpdA
MU-2693	3174977	3175852	RNAP_peak_-_1029	RTS_R4_-_940	3176014	pORF_-_3175303	yqiB-nudF
MU-2694	3179852	3180302	RNAP_peak_-_1030	RTS_R4_-_941	3180462		ygiD
MU-2695	3181327	3181602	RNAP_peak_-_1031	RTS_R4_-_942	3181662;3181669;3181678		NT
MU-2696	3181827	3182727	RNAP_peak_-_1032	RTS_R4_-_943	3182740	pORF_-_3181835	ribB-sroG
MU-2697	3185202	3185427	RNAP_peak_-_1033	RTS_R4_-_944			NT
MU-2698	3189777	3190127	RNAP_peak_-_1034	RTS_R4_-_945	3189979;3189986;3189995;3190002;3190011;3190024	pORF_-_3189761	glgS
MU-2699	3190227	3190327	RNAP_peak_-_1035	RTS_R4_-_946	3190379		NT
MU-2700	3192677	3192927	RNAP_peak_-_1036	RTS_R4_-_947	3192887		rygD

MU-2701	3193052	3193352	RNAP_peak_-_1037	RTS_R4_-_948	3193271		rygE
MU-2702	3193402	3194852	RNAP_peak_-_1038	RTS_R4_-_949	3194803	pORF_-_3193342	rfaE
MU-2703	3194877	3199027	RNAP_peak_-_1039	RTS_R4_-_950	3199054	pORF_-_3194823;pORF_-_3197686	glnE-ygiF
MU-2704	3201252	3202202	RNAP_peak_-_1040	RTS_R4_-_951	3202205;3202243		bacA
MU-2705	3202252	3202627	RNAP_peak_-_1041	RTS_R4_-_952	3202659		folB
MU-2706	3203577	3204277	RNAP_peak_-_1042	RTS_R4_-_953	3204386		ttdR
MU-2707	3207427	3208552	RNAP_peak_-_1043	RTS_R4_-_954	3208588	pORF_-_3207552	ygjD
MU-2708	3212777	3213602	RNAP_peak_-_1044	RTS_R4_-_955	3213518;3213543	pORF_-_3212989	mug
MU-2709	3213777	3214527	RNAP_peak_-_1045	RTS_R4_-_956	3214559	pORF_-_3213749	yqjH
MU-2710	3215427	3217102	RNAP_peak_-_1046	RTS_R4_-_957	3217140	pORF_-_3215578	aer
MU-2711	3218937	3219269	RNAP_peak_-_1047				ygjH
MU-2712	3231753	3232603	RNAP_peak_-_1048	RTS_R4_-_958	3232782	pORF_-_3231750	ygjM-ygjN
MU-2713	3232753	3233903	RNAP_peak_-_1049	RTS_R4_-_959	3233919	pORF_-_3232761	rlmG
MU-2714	3240395	3242920	RNAP_peak_-_1050	RTS_R4_-_960	3242809	pORF_-_3239849;pORF_-_3241351	ygjV-uxaA-uxaC
MU-2715	3251399	3252274	RNAP_peak_-_1051	RTS_R4_-_961	3252264	pORF_-_3251340	yhaJ
MU-2716	3253774	3255949	RNAP_peak_-_1052	RTS_R4_-_962	3256371	pORF_-_3253363	yhaM-yhaO
MU-2717	3256307	3265087	RNAP_peak_-_1053			pORF_-_3256307;pORF_-_3257743;pORF_-_3258146;pORF_-_3260474;pORF_-_3261708;pORF_-_3263061;pORF_-_3264149	tdcG-tdcF-tdcE-tdcD-tdcC-tdcB-tdcA
MU-2718	3267826	3268645	RNAP_peak_-_1054	RTS_R4_-_963	3268614		rnpB
MU-2719	3268695	3272045	RNAP_peak_-_1055	RTS_R4_-_964		pORF_-_3268647;pORF_-_3269889	garK-garR-garL-garP
MU-2720	3275695	3276695	RNAP_peak_-_1056	RTS_R4_-_965	3276727	pORF_-_3275878	agaR
MU-2721	3287196	3287921	RNAP_peak_-_1057	RTS_R4_-_966	3287928		NT
MU-2722	3290271	3291646	RNAP_peak_-_1058	RTS_R4_-_967		pORF_-_3290497	yraL
MU-2723	3291996	3292496		RTS_R4_-_968	3292525		NT
MU-2724	3295121	3296921	RNAP_peak_-_1059	RTS_R4_-_969	3296934	pORF_-_3295120;pORF_-_3296233	yraQ-yraR
MU-2725	3297521	3297971	RNAP_peak_-_1060	RTS_R4_-_970	3297958	pORF_-_3297494	yhbP
MU-2726	3298196	3299421	RNAP_peak_-_1061	RTS_R4_-_971	3299323;3299434	pORF_-_3298277	yhbS-yhbT
MU-2727	3302646	3303846		RTS_R4_-_972	3303882		mtr
MU-2728	3303946	3306196	RNAP_peak_-_1062	RTS_R4_-_973	3306034	pORF_-_3303993	deaD
MU-2729	3306221	3307096	RNAP_peak_-_1063	RTS_R4_-_974	3307126	pORF_-_3306062	nlpI
MU-2730	3307121	3309346	RNAP_peak_-_1064	RTS_R4_-_975	3309271;3309309	pORF_-_3307055	pnp
MU-2731	3309446	3309796	RNAP_peak_-_1065	RTS_R4_-_976	3309768;3309806	pORF_-_3309437	rpsO
MU-2732	3309821	3311196	RNAP_peak_-_1066	RTS_R4_-_977	3311247	pORF_-_3309855;pORF_-_3310799	truB-rbfA
MU-2733	3311246	3316071	RNAP_peak_-_1067	RTS_R4_-_978	3316071;3316119;3316211	pORF_-_3311364;pORF_-_3314061;pORF_-_3315576	infB-nusA-yhbC
MU-2734	3316121	3316396	RNAP_peak_-_1068	RTS_R4_-_979	3316311;3316397		metY
MU-2735	3318010	3319635	RNAP_peak_-_1069			pORF_-_3318010	yhbX



MU-2736	3320096	3320696	RNAP_peak_-_1070	RTS_R4_-_980	3320611	pORF_-_3320195	leuU-secG
MU-2737	3320746	3322296	RNAP_peak_-_1071	RTS_R4_-_981	3322307;3322347	pORF_-_3320755	glmM
MU-2738	3322321	3323596	RNAP_peak_-_1072	RTS_R4_-_982	3323252;3323526	pORF_-_3322085	folP
MU-2739	3323621	3324996	RNAP_peak_-_1073	RTS_R4_-_983	3325000	pORF_-_3323023	hflB
MU-2740	3325021	3325721	RNAP_peak_-_1074	RTS_R4_-_984	3325753	pORF_-_3325057	rrmJ
MU-2741	3325746	3326871	RNAP_peak_-_1075	RTS_R4_-_985	3326835;3326874	pORF_-_3326261	greA
MU-2742	3328196	3330046	RNAP_peak_-_1076	RTS_R4_-_986	3330183	pORF_-_3328604	obgE
MU-2743	3330071	3330796	RNAP_peak_-_1077	RTS_R4_-_987	3330932	pORF_-_3329792	yhbE
MU-2744	3330871	3331621	RNAP_peak_-_1078	RTS_R4_-_988	3331479;3331529;3331538	pORF_-_3330884;pORF_-_3331162	rpmA-rplU
MU-2745	3333121	3334471		RTS_R4_-_989	3334539;3334577	pORF_-_3333257	murA
MU-2746	3334496	3334921	RNAP_peak_-_1079	RTS_R4_-_990	3334854	pORF_-_3334571	yrbA
MU-2747	3334946	3335896	RNAP_peak_-_1080	RTS_R4_-_991	3336077;3336084	pORF_-_3334985;pORF_-_3335278	yrbB-yrbC
MU-2748	3335921	3338247	RNAP_peak_-_1081	RTS_R4_-_992	3338123;3338154	pORF_-_3335932;pORF_-_3336488;pORF_-_3337278	yrbD-yrbE-yrbF
MU-2749	3347272	3348654	RNAP_peak_-_1082	RTS_R4_-_993	3348510;3348532;3348571	pORF_-_3347828	mtgA-elbB
MU-2750	3348704	3351029	RNAP_peak_-_1083	RTS_R4_-_994	3351071	pORF_-_3348711	arcB
MU-2751	3351204	3352054	RNAP_peak_-_1084	RTS_R4_-_995	3352167		yhcC
MU-2752	3358804	3358879	RNAP_peak_-_1085	RTS_R4_-_996	3358901		NT
MU-2753	3363579	3364754	RNAP_peak_-_1086	RTS_R4_-_997		pORF_-_3363724	insH
MU-2754	3365729	3365754	RNAP_peak_-_1087	RTS_R4_-_998	3365791		NT
MU-2755	3367134	3371609	RNAP_peak_-_1088	RTS_R4_-_999	3371642	pORF_-_3367497;pORF_-_3368369;pORF_-_3369106;pORF_-_3370705	yhcH-nanK-nanE-nanT-nanA
MU-2756	3371734	3372509	RNAP_peak_-_1089	RTS_R4_-_1000	3372540	pORF_-_3371720	nanR
MU-2757	3374309	3375559	RNAP_peak_-_1090	RTS_R4_-_1001	3375467;3375504;3375587	pORF_-_3374301;pORF_-_3374804	sspB-sspA
MU-2758	3375859	3376809	RNAP_peak_-_1091	RTS_R4_-_1002	3376678;3376692;3376796;3376830	pORF_-_3375837;pORF_-_3376245	rpsI-rplM
MU-2759	3376909	3378084	RNAP_peak_-_1092	RTS_R4_-_1003	3378033;3378078	pORF_-_3376892	yhcM
MU-2760	3381359	3382509	RNAP_peak_-_1093	RTS_R4_-_1004	3382316;3382336;3382494	pORF_-_3381352	mdh
MU-2761	3383878	3384178	RNAP_peak_-_1094	RTS_R4_-_1005	3384191	pORF_-_3383879	yhcO
MU-2762	3385178	3387453	RNAP_peak_-_1095	RTS_R4_-_1006	3387503		aaeB-aaeA-aaeX
MU-2763	3388578	3390578	RNAP_peak_-_1096	RTS_R4_-_1007	3390086;3390139;3390443;3390673	pORF_-_3388605	tldD
MU-2764	3390628	3395978	RNAP_peak_-_1097	RTS_R4_-_1008	3395947;3396009	pORF_-_3390480;pORF_-_3394348	yhdP-rng
MU-2765	3396003	3396528	RNAP_peak_-_1098	RTS_R4_-_1009	3396618;3396643	pORF_-_3395807	yhdE
MU-2766	3396553	3399378	RNAP_peak_-_1099	RTS_R4_-_1010	3399149;3399214	pORF_-_3396897;pORF_-_3398066	mreD-mreC-mreB
MU-2767	3399453	3401403	RNAP_peak_-_1100	RTS_R4_-_1011	3401381	pORF_-_3399414	csrD
MU-2768	3408156	3408256	RNAP_peak_-_1101	RTS_R4_-_1012	3408239		NT
MU-2769	3410825	3411487	RNAP_peak_-_1102				envR
MU-2770	3421432	3427207	RNAP_peak_-_1103	RTS_R4_-_1013	3427033;3427071		rffF-thrV-rrfD-rrlD-alaU-ileU-rrsD

MU-2771	3427757	3429032	RNAP_peak_-_1104	RTS_R4_-_1014	3429107	pORF_-_3428042	yrdB-aroE
MU-2772	3429057	3430032	RNAP_peak_-_1105	RTS_R4_-_1015	3430049	pORF_-_3428865;pORF_-_3429442	rimN-yrdD
MU-2773	3430057	3430707	RNAP_peak_-_1106	RTS_R4_-_1016	3430625		smg
MU-2774	3430757	3431632	RNAP_peak_-_1107	RTS_R4_-_1017	3431625		smf
MU-2775	3436082	3437532	RNAP_peak_-_1108	RTS_R4_-_1018	3437566		yhdL-zntR-yhdN
MU-2776	3437647	3441122	RNAP_peak_-_1109	RTS_R4_-_1019	3440574;3440580;3440584;3440615;3440622;3440636	pORF_-_3437638;pORF_-_3438062;pORF_-_3439077;pORF_-_3439731;pORF_-_3440137;pORF_-_3440640	rplQ-rpoA-rpsD-rpsK-rpsM
MU-2777	3441147	3446347	RNAP_peak_-_1110	RTS_R4_-_1020	3446318;3446323;3446364	pORF_-_3440788;pORF_-_3442127;pORF_-_3442565;pORF_-_3442748;pORF_-_3443266;pORF_-_3443629;pORF_-_3444175;pORF_-_3444601;pORF_-_3444921;pORF_-_3445475;pORF_-_3445800	rpmJ-secY-rplO-rpmD-rpsE-rplR-rplF-rpsH-rpsN-rplE-rplX-rplN
MU-2778	3446372	3451497	RNAP_peak_-_1111	RTS_R4_-_1021	3451312	pORF_-_3446336;pORF_-_3446590;pORF_-_3446781;pORF_-_3447204;pORF_-_3447923;pORF_-_3448270;pORF_-_3448565;pORF_-_3449404;pORF_-_3449703;pORF_-_3450319;pORF_-_3450981	rpsQ-rpmC-rplP-rpsC-rplV-rpsS-rplB-rplW-rplD-rplC-rpsJ
MU-2779	3451547	3452172	RNAP_peak_-_1112	RTS_R4_-_1022	3451985	pORF_-_3451951	gspB
MU-2780	3451951	3453420	RNAP_peak_-_1113			pORF_-_3451951	gspA
MU-2781	3463847	3464747	RNAP_peak_-_1114	RTS_R4_-_1023	3464770	pORF_-_3464271	bfr
MU-2782	3464797	3464997	RNAP_peak_-_1115	RTS_R4_-_1024	3465032		bfd
MU-2783	3465297	3467372	RNAP_peak_-_1116	RTS_R4_-_1025			chiA
MU-2784	3468172	3469522	RNAP_peak_-_1117	RTS_R4_-_1026	3469359;3469402;3469412;3469419;3469443	pORF_-_3468167	tufA
MU-2785	3469547	3472824	RNAP_peak_-_1118	RTS_R4_-_1027	3472640;3472650	pORF_-_3469422;pORF_-_3471564;pORF_-_3472200	fusA-rpsG-rpsL
MU-2786	3472849	3474574	RNAP_peak_-_1119	RTS_R4_-_1028	3474466;3474524;3474563	pORF_-_3472700;pORF_-_3472995;pORF_-_3473354;pORF_-_3473740	yheL-yheM-yheN-yheO
MU-2787	3474649	3475524	RNAP_peak_-_1120	RTS_R4_-_1029	3475488;3475547	pORF_-_3474629	fkpA
MU-2788	3475874	3476449	RNAP_peak_-_1121	RTS_R4_-_1030	3476403;3476580	pORF_-_3475929	slyD
MU-2789	3476474	3479249	RNAP_peak_-_1122	RTS_R4_-_1031	3479273		yheV-kefB-kefG

MU-2790	3483074	3483849	RNAP_peak_-_1123	RTS_R4_-_1032	3483867;3483974	pORF_-_3483436	yhfA
MU-2791	3486799	3488224	RNAP_peak_-_1124	RTS_R4_-_1033	3488232;3488243	pORF_-_3486982	argD
MU-2792	3488274	3489649	RNAP_peak_-_1125	RTS_R4_-_1034	3489670	pORF_-_3488288;pORF_-_3488883;pORF_-_3489475	pabA-fic-yhfG
MU-2793	3489774	3490424	RNAP_peak_-_1126	RTS_R4_-_1035	3490351;3490357	pORF_-_3489747	ppiA
MU-2794	3490474	3490624	RNAP_peak_-_1127	RTS_R4_-_1036	3490712		NT
MU-2795	3502987	3510362	RNAP_peak_-_1128	RTS_R4_-_1037	3510372;3510389	pORF_-_3504054	yhfS-yhfT-yhfU-php-yhfW-yhfX-yhfY-yhfZ
MU-2796	3510612	3511687	RNAP_peak_-_1129	RTS_R4_-_1038	3511720;3511773	pORF_-_3510656	trpS
MU-2797	3511712	3513287	RNAP_peak_-_1130	RTS_R4_-_1039	3513213	pORF_-_3511653;pORF_-_3512404	gph-rpe
MU-2798	3513312	3514137	RNAP_peak_-_1131	RTS_R4_-_1040	3514323	pORF_-_3513099	dam
MU-2799	3514162	3515637	RNAP_peak_-_1132	RTS_R4_-_1041	3515537	pORF_-_3514042	damX
MU-2800	3515662	3517387	RNAP_peak_-_1133	RTS_R4_-_1042	3517188;3517403	pORF_-_3515420;pORF_-_3516565	aroB-aroK
MU-2801	3517712	3520837	RNAP_peak_-_1134	RTS_R4_-_1043	3520825		hofQ-hofP-hofO-hofN-hofM
MU-2802	3523537	3524212	RNAP_peak_-_1135	RTS_R4_-_1044	3524195;3524254;3524265	pORF_-_3523611	nudE
MU-2803	3528762	3530612	RNAP_peak_-_1136	RTS_R4_-_1045	3530485;3530543	pORF_-_3528737	yhgE
MU-2804	3532563	3534738	RNAP_peak_-_1137	RTS_R4_-_1046	3534707;3534729;3534768	pORF_-_3532538;pORF_-_3533887	envZ-ompR
MU-2805	3537863	3538013	RNAP_peak_-_1138	RTS_R4_-_1047			NT
MU-2806	3542213	3542863	RNAP_peak_-_1139	RTS_R4_-_1048	3542897	pORF_-_3542096	bioH
MU-2807	3546013	3550613	RNAP_peak_-_1140	RTS_R4_-_1049	3550532	pORF_-_3546008;pORF_-_3548102	malQ-malP
MU-2808	3553863	3556239	RNAP_peak_-_1141	RTS_R4_-_1050	3556144;3556160;3556197;3556202		rtcA-rtcB
MU-2809	3557864	3558914	RNAP_peak_-_1142	RTS_R4_-_1051	3558752;3558903	pORF_-_3557870	glpR
MU-2810	3558939	3559889	RNAP_peak_-_1143	RTS_R4_-_1052	3559883	pORF_-_3558645;pORF_-_3559520	glpG-glpE
MU-2811	3561489	3561989	RNAP_peak_-_1144	RTS_R4_-_1053			yzgL
MU-2812	3562089	3566522	RNAP_peak_-_1145	RTS_R4_-_1054	3566419	pORF_-_3562157;pORF_-_3564623	glgP-glgA
MU-2813	3566547	3567522	RNAP_peak_-_1146	RTS_R4_-_1055	3567411;3567480;3567595	pORF_-_3566056	glgC
MU-2814	3567547	3571622	RNAP_peak_-_1147	RTS_R4_-_1056	3571644;3571787;3571792	pORF_-_3567369;pORF_-_3569339	glgX-glgB
MU-2815	3571647	3572997	RNAP_peak_-_1148	RTS_R4_-_1057	3572903	pORF_-_3571798	asd
MU-2816	3574147	3575622	RNAP_peak_-_1149	RTS_R4_-_1058	3574307	pORF_-_3575088	gntU-gntK
MU-2817	3575697	3576922	RNAP_peak_-_1150	RTS_R4_-_1059	3576961	pORF_-_3575754	gntR
MU-2818	3577022	3578897	RNAP_peak_-_1151	RTS_R4_-_1060	3578831;3578852	pORF_-_3576973;pORF_-_3577791	yhhW-yhhX
MU-2819	3578972	3579022	RNAP_peak_-_1152	RTS_R4_-_1061	3579039		ryhB
MU-2820	3581495	3582320	RNAP_peak_-_1153	RTS_R4_-_1062	3582323		NT
MU-2821	3583195	3584845	RNAP_peak_-_1154	RTS_R4_-_1063	3584877;3585024	pORF_-_3583104	ggt
MU-2822	3585520	3590420	RNAP_peak_-_1155	RTS_R4_-_1064	3590437;3590449	pORF_-_3585393;pORF_-_3586133;pORF_-_3589032	ugpQ-ugpC-ugpE-ugpA-ugpB

MU-2823	3590520	3595749	RNAP_peak_-_1156	RTS_R4_-_1065	3595627;3595638;3595744;3595769	pORF_-_3590747;pORF_-_3591462;pORF_-_3592226;pORF_-_3594474	livF-livG-livM-livH-livK
MU-2824	3596274	3597774	RNAP_peak_-_1157	RTS_R4_-_1066	3597715;3597785	pORF_-_3596578	livJ
MU-2825	3597949	3599049	RNAP_peak_-_1158	RTS_R4_-_1067	3598820;3598872;3598886;3598893;3599027;3599187	pORF_-_3597952	rpoH
MU-2826	3599099	3602349	RNAP_peak_-_1159	RTS_R4_-_1068	3602333;3602339	pORF_-_3599051;pORF_-_3600102;pORF_-_3600773	ftsX-ftsE-ftsY
MU-2827	3602974	3603624	RNAP_peak_-_1160	RTS_R4_-_1069		pORF_-_3603274	yhhM
MU-2828	3606649	3607224	RNAP_peak_-_1161	RTS_R4_-_1070	3607043	pORF_-_3606774	sirA
MU-2829	3608574	3609749	RNAP_peak_-_1162	RTS_R4_-_1071	3609782		yhhS
MU-2830	3616824	3617149	RNAP_peak_-_1163	RTS_R4_-_1072	3617170;3617187		NT
MU-2831	3623349	3628924	RNAP_peak_-_1164	RTS_R4_-_1073	3628862;3628952	pORF_-_3624826;pORF_-_3627558	yhhJ-rbbA-yhiI
MU-2832	3628991	3630613	RNAP_peak_-_1165			pORF_-_3628991	yhiJ
MU-2833	3630875	3632481	RNAP_peak_-_1166				yhiL
MU-2834	3633674	3635499	RNAP_peak_-_1167	RTS_R4_-_1074	3635522	pORF_-_3634231	yhiN
MU-2835	3636999	3637849	RNAP_peak_-_1168	RTS_R4_-_1075	3637869		uspB
MU-2836	3638649	3638699	RNAP_peak_-_1169	RTS_R4_-_1076	3638759		NT
MU-2837	3640374	3643249	RNAP_peak_-_1170	RTS_R4_-_1077	3643224;3643261;3643272	pORF_-_3640403;pORF_-_3641163	yhiQ-prlC
MU-2838	3645749	3645974	RNAP_peak_-_1171	RTS_R4_-_1078	3646005		dinQ
MU-2839	3647235	3647935	RNAP_peak_-_1172	RTS_R4_-_1079			NT
MU-2840	3650060	3651235	RNAP_peak_-_1173	RTS_R4_-_1080	3651291;3651336	pORF_-_3650205	insH
MU-2841	3652960	3654810	RNAP_peak_-_1174	RTS_R4_-_1081	3654784;3654793;3654803;3654807;3654814	pORF_-_3653989;pORF_-_3654431	yhiD-hdeB-hdeA
MU-2842	3655860	3656035	RNAP_peak_-_1175	RTS_R4_-_1082	3656051;3656077		NT
MU-2843	3661935	3662860	RNAP_peak_-_1176	RTS_R4_-_1083	3662689		gadW
MU-2844	3662885	3663835	RNAP_peak_-_1177	RTS_R4_-_1084	3663855;3663864	pORF_-_3663009	gadX
MU-2845	3663960	3665610	RNAP_peak_-_1178	RTS_R4_-_1085	3665631	pORF_-_3664203	gadA
MU-2846	3666010	3667260	RNAP_peak_-_1179	RTS_R4_-_1086	3667288	pORF_-_3665814	yhjA
MU-2847	3669315	3669917	RNAP_peak_-_1180				yhjB
MU-2848	3674315	3676390	RNAP_peak_-_1181	RTS_R4_-_1087	3676403	pORF_-_3674313	yhjG
MU-2849	3676740	3677090	RNAP_peak_-_1182	RTS_R4_-_1088	3677219;3677250		yhjH
MU-2850	3678490	3679915	RNAP_peak_-_1183	RTS_R4_-_1089	3680034	pORF_-_3678467	yhjJ
MU-2851	3679940	3681565	RNAP_peak_-_1184	RTS_R4_-_1090	3681519;3681683	pORF_-_3680184	dctA
MU-2852	3681690	3684065	RNAP_peak_-_1185	RTS_R4_-_1091	3684213;3684223	pORF_-_3681653	yhjK
MU-2853	3684090	3694391	RNAP_peak_-_1186	RTS_R4_-_1092	3694252;3694337;3694346;3694361;3694387		bcsC-bcsZ-bcsB-bcsA-yhjQ-yhjR
MU-2854	3697966	3698266	RNAP_peak_-_1187	RTS_R4_-_1093	3698295		ldrD
MU-2855	3698516	3698566	RNAP_peak_-_1188	RTS_R4_-_1094	3698620		NT
MU-2856	3699066	3705869	RNAP_peak_-_1189	RTS_R4_-_1095	3705731;3705750;3705826;3705893	pORF_-_3699887;pORF_-_3700888;pORF_-_3701882;pORF_-_3702794;pORF_-_3704121	dppF-dppD-dppC-dppB-dppA
MU-2857	3706619	3706694	RNAP_peak_-_1190	RTS_R4_-_1096	3706715		proK

MU-2858	3706844	3708569	RNAP_peak_-_1191	RTS_R4_-_1097	3708608	pORF_-_3706807	eptB
MU-2859	3708822	3710030	RNAP_peak_-_1192				yhjX
MU-2860	3710269	3711019	RNAP_peak_-_1193	RTS_R4_-_1098	3711033		yhjY
MU-2861	3712019	3714494	RNAP_peak_-_1194	RTS_R4_-_1099	3714451;3714580	pORF_-_3712084	bisC
MU-2862	3716369	3717094	RNAP_peak_-_1195	RTS_R4_-_1100		pORF_-_3716357	viaF
MU-2863	3718471	3718655					hokA-mokA
MU-2864	3720069	3723369	RNAP_peak_-_1196	RTS_R4_-_1101	3723377	pORF_-_3720351;pORF_-_3722430	glyS-glyQ
MU-2865	3723544	3723844	RNAP_peak_-_1197	RTS_R4_-_1102	3723815		ysaB
MU-2866	3724947	3725771	RNAP_peak_-_1198				viaA-viaB
MU-2867	3725994	3728669	RNAP_peak_-_1199	RTS_R4_-_1103	3728830	pORF_-_3725940;pORF_-_3727466	xyIB-xyIA
MU-2868	3730496	3730821	RNAP_peak_-_1200	RTS_R4_-_1104	3730755		NT
MU-2869	3734246	3735276	RNAP_peak_-_1201	RTS_R4_-_1105	3735265		bax
MU-2870	3739226	3740526	RNAP_peak_-_1202	RTS_R4_-_1106	3740563	pORF_-_3739707	ysaA-viaJ
MU-2871	3748851	3749076		RTS_R4_-_1107	3749066		ysaC
MU-2872	3749251	3749726	RNAP_peak_-_1203	RTS_R4_-_1108	3749762	pORF_-_3749151	viaT
MU-2873	3750986	3752451	RNAP_peak_-_1204				viaV-viaW
MU-2874	3752876	3754526		RTS_R4_-_1109	3754558;3754659	pORF_-_3752996	aldB
MU-2875	3754699	3755850	RNAP_peak_-_1205			pORF_-_3754699	viaY
MU-2876	3756127	3759277	RNAP_peak_-_1206	RTS_R4_-_1110	3759323	pORF_-_3756040;pORF_-_3757881	selB-selA
MU-2877	3759327	3759977	RNAP_peak_-_1207	RTS_R4_-_1111	3760004	pORF_-_3759370	yibF
MU-2878	3763852	3764077	RNAP_peak_-_1208	RTS_R4_-_1112	3764114		NT
MU-2879	3765602	3765677	RNAP_peak_-_1209	RTS_R4_-_1113	3765702		NT
MU-2880	3768477	3769802	RNAP_peak_-_1210	RTS_R4_-_1114			yibH-yibI
MU-2881	3773827	3774627	RNAP_peak_-_1211	RTS_R4_-_1115	3774469	pORF_-_3774194	yibT
MU-2882	3779677	3780602	RNAP_peak_-_1212	RTS_R4_-_1116	3780704	pORF_-_3779764	cysE
MU-2883	3780627	3782177	RNAP_peak_-_1213	RTS_R4_-_1117	3782183	pORF_-_3780665;pORF_-_3781684	gpsA-secB
MU-2884	3782202	3782577	RNAP_peak_-_1214	RTS_R4_-_1118	3782529	pORF_-_3782214	grxC
MU-2885	3782602	3783052	RNAP_peak_-_1215	RTS_R4_-_1119	3783077	pORF_-_3782607	yibN
MU-2886	3787070	3788104	RNAP_peak_-_1216			pORF_-_3787070	yibD
MU-2887	3788352	3790602	RNAP_peak_-_1217	RTS_R4_-_1120	3790746	pORF_-_3788343;pORF_-_3789378	tdh-kbl
MU-2888	3790827	3791802	RNAP_peak_-_1218	RTS_R4_-_1121	3791734		htrL
MU-2889	3794877	3797027	RNAP_peak_-_1219	RTS_R4_-_1122	3796838	pORF_-_3796262	waaU
MU-2890	3797327	3799054	RNAP_peak_-_1220	RTS_R4_-_1123	3799018;3799105;3799236	pORF_-_3798290	rfaZ-rfaY
MU-2891	3799104	3800404	RNAP_peak_-_1221	RTS_R4_-_1124	3800527;3800542	pORF_-_3799006	rfaJ
MU-2892	3800454	3802454	RNAP_peak_-_1222	RTS_R4_-_1125	3802583	pORF_-_3800062;pORF_-_3801081	rfaI-rfaB
MU-2893	3802604	3803756	RNAP_peak_-_1223	RTS_R4_-_1126	3803796;3804755;3806260	pORF_-_3802204	rfaS-rfaP
MU-2894	3803806	3804856	RNAP_peak_-_1224	RTS_R4_-_1127			rfaG
MU-2895	3804881	3806281	RNAP_peak_-_1225	RTS_R4_-_1128		pORF_-_3805087	rfaQ
MU-2896	3808206	3809181	RNAP_peak_-_1226	RTS_R4_-_1129	3809198	pORF_-_3808366	mutM

MU-2897	3809281	3810006	RNAP_peak_-_1227	RTS_R4_-_1130	3809827;3809987	pORF_-_3809273;pORF_-_3809461	rpmG-rpmB
MU-2898	3809914	3810582	RNAP_peak_-_1228				yicR
MU-2899	3813456	3814581	RNAP_peak_-_1229	RTS_R4_-_1131	3814579	pORF_-_3813150;pORF_-_3813886	pyrE-rph
MU-2900	3817511	3819193	RNAP_peak_-_1230				ligB
MU-2901	3825231	3826856	RNAP_peak_-_1231	RTS_R4_-_1132	3826724;3826788	pORF_-_3825483	gltS
MU-2902	3830242	3833952	RNAP_peak_-_1232				yicI-yicJ
MU-2903	3836631	3838081	RNAP_peak_-_1233	RTS_R4_-_1133	3838039	pORF_-_3837198	nlpA
MU-2904	3838572	3839762	RNAP_peak_-_1234		3839794		nepI
MU-2905	3839973	3841812	RNAP_peak_-_1235				yicN-yicO
MU-2906	3843806	3843981	RNAP_peak_-_1236	RTS_R4_-_1134			NT
MU-2907	3843799	3845190					uhpT
MU-2908	3845306	3850806	RNAP_peak_-_1237	RTS_R4_-_1135	3850893	pORF_-_3848159;pORF_-_3848825;pORF_-_3849119	uhpC-uhpB-uhpA-ilvN-ilvB
MU-2909	3850831	3851033	RNAP_peak_-_1238	RTS_R4_-_1136	3851039		ivbL
MU-2910	3851141	3851280	RNAP_peak_-_1239		3851215;3851280		istR
MU-2911	3853608	3854408	RNAP_peak_-_1240	RTS_R4_-_1137	3854408;3854437		yidF-yidG-yidH
MU-2912	3854934	3858139	RNAP_peak_-_1241			pORF_-_3856424	yidJ-yidK
MU-2913	3859196	3861626					glvG-glvC
MU-2914	3862658	3864333	RNAP_peak_-_1242	RTS_R4_-_1138			yidE
MU-2915	3864483	3865008	RNAP_peak_-_1243	RTS_R4_-_1139	3865000;3865032	pORF_-_3864492	ibpB
MU-2916	3865033	3865708	RNAP_peak_-_1244	RTS_R4_-_1140	3865541	pORF_-_3865032	ibpA
MU-2917	3866508	3867283		RTS_R4_-_1141	3867318	pORF_-_3866085	yidR
MU-2918	3870268	3873318	RNAP_peak_-_1245	RTS_R4_-_1142	3873209	pORF_-_3869873;pORF_-_3872494	dgoT-dgoD-dgoA-dgoK-dgoR
MU-2919	3874168	3874968	RNAP_peak_-_1246	RTS_R4_-_1143	3875000	pORF_-_3874163	yidA
MU-2920	3875018	3875493	RNAP_peak_-_1247	RTS_R4_-_1144	3875526	pORF_-_3875090	yidB
MU-2921	3875618	3878271	RNAP_peak_-_1248	RTS_R4_-_1145	3878175	pORF_-_3875728	gyrB
MU-2922	3878296	3879721	RNAP_peak_-_1249	RTS_R4_-_1146	3879914	pORF_-_3878171	recF
MU-2923	3879746	3881971	RNAP_peak_-_1250	RTS_R4_-_1147	3881901	pORF_-_3879244;pORF_-_3880349	dnaN-dnaA
MU-2924	3891497	3891822	RNAP_peak_-_1251	RTS_R4_-_1148	3891867		NT
MU-2925	3893297	3894647	RNAP_peak_-_1252	RTS_R4_-_1149	3894662	pORF_-_3893295	yieG
MU-2926	3896694	3898600	RNAP_peak_-_1253				yieK-yieL
MU-2927	3896694	3900243	RNAP_peak_-_1254				yieK-yieL-bglH
MU-2928	3900312	3904590				pORF_-_3900312;pORF_-_3903754	bglB-bglF-bglG
MU-2929	3904873	3909582	RNAP_peak_-_1255	RTS_R4_-_1150	3909724	pORF_-_3904876;pORF_-_3905616;pORF_-_3906572;pORF_-_3907462;pORF_-_3908508	phoU-pstB-pstA-pstC-pstS
MU-2930	3909882	3913357	RNAP_peak_-_1256	RTS_R4_-_1151	3913244;3913348	pORF_-_3909862;pORF_-_3911853	glmS-glmU

MU-2931	3913582	3920707	RNAP_peak_-_1257	RTS_R4_-_1152	3920513	pORF_-_3913576;pORF_-_3914016;pORF_-_3915425;pORF_-_3916339;pORF_-_3917893;pORF_-_3918441;pORF_-_3918973;pORF_-_3919259	atpC-atpD-atpG-atpA-atpH-atpF-atpE-atpB-atpI
MU-2932	3921007	3923732	RNAP_peak_-_1258	RTS_R4_-_1153	3923686;3923702	pORF_-_3921080;pORF_-_3921767	gidB-mnmG
MU-2933	3923807	3924532	RNAP_peak_-_1259	RTS_R4_-_1154	3924499	pORF_-_3924035	mioC
MU-2934	3924632	3925007	RNAP_peak_-_1260	RTS_R4_-_1155	3925053	pORF_-_3924568	asnC
MU-2935	3926132	3927682	RNAP_peak_-_1261	RTS_R4_-_1156	3927702;3927781	pORF_-_3926175	viaA
MU-2936	3927732	3929157	RNAP_peak_-_1262	RTS_R4_-_1157	3929153	pORF_-_3927620	ravA
MU-2937	3938057	3939432	RNAP_peak_-_1263	RTS_R4_-_1158	3939377	pORF_-_3938658	hsrA-yieP
MU-2938	3945088	3946063	RNAP_peak_-_1264	RTS_R4_-_1159	3946015	pORF_-_3945151	hdfR
MU-2939	3946472	3947992	RNAP_peak_-_1265				yifB
MU-2940	3954632	3955961	RNAP_peak_-_1266	RTS_R4_-_1160	3955895		ilvY
MU-2941	3957586	3957911	RNAP_peak_-_1267	RTS_R4_-_1161	3957862	pORF_-_3957555	ppiC
MU-2942	3958036	3958486	RNAP_peak_-_1268	RTS_R4_-_1162	3958493		yifN
MU-2943	3960761	3963736	RNAP_peak_-_1269	RTS_R4_-_1163	3963691	pORF_-_3960768;pORF_-_3962388	gpp-rhIB
MU-2944	3982537	3983937	RNAP_peak_-_1270	RTS_R4_-_1164	3984114		aslA
MU-2945	3984737	3987412	RNAP_peak_-_1271	RTS_R4_-_1165	3987236;3987493	pORF_-_3984709;pORF_-_3985908	hemY-hemX
MU-2946	3987437	3988937	RNAP_peak_-_1272	RTS_R4_-_1166	3988812	pORF_-_3987111;pORF_-_3987848	hemD-hemC
MU-2947	3991490	3992115	RNAP_peak_-_1273	RTS_R4_-_1167	3992106	pORF_-_3991762	cyaY
MU-2948	3998315	3999079	RNAP_peak_-_1274				yigE
MU-2949	4000442	4001216	RNAP_peak_-_1275				yigF-yigG
MU-2950	4001315	4002715	RNAP_peak_-_1276	RTS_R4_-_1168	4002748	pORF_-_4002253	rarD-yigI
MU-2951	4006340	4007065	RNAP_peak_-_1277	RTS_R4_-_1169	4007109		rhtB
MU-2952	4009240	4010940	RNAP_peak_-_1278	RTS_R4_-_1170	4010878	pORF_-_4009886	metR
MU-2953	4013290	4014340	RNAP_peak_-_1279	RTS_R4_-_1171	4014216	pORF_-_4013377	ysgA
MU-2954	4022365	4023065	RNAP_peak_-_1280	RTS_R4_-_1172	4022866	pORF_-_4022356	rfaH
MU-2955	4025315	4029017	RNAP_peak_-_1281	RTS_R4_-_1173	4029036	pORF_-_4025632;pORF_-_4026805	fadA-fadB
MU-2956	4038920	4040120	RNAP_peak_-_1282	RTS_R4_-_1174	4040165	pORF_-_4039438	mobB-mobA
MU-2957	4043881	4044581	RNAP_peak_-_1283	RTS_R4_-_1175	4044649	pORF_-_4043693	yihG
MU-2958	4048056	4048806	RNAP_peak_-_1284	RTS_R4_-_1176	4048811;4048817	pORF_-_4048156	yihA
MU-2959	4051406	4051831	RNAP_peak_-_1285	RTS_R4_-_1177	4051800		NT
MU-2960	4051881	4054356	RNAP_peak_-_1286	RTS_R4_-_1178		pORF_-_4051892;pORF_-_4053313	glnG-glnL
MU-2961	4054381	4056206	RNAP_peak_-_1287	RTS_R4_-_1179	4056075;4056101;4056109;4056129	pORF_-_4054648	glnA
MU-2962	4061626	4062318	RNAP_peak_-_1288				ompL
MU-2963	4062386	4067299	RNAP_peak_-_1289			pORF_-_4065263	yihO-yihP-yihQ

MU-2964	4067498	4068424					yihR
MU-2965	4068538	4071594					yihS-yihT-yihU
MU-2966	4078433	4079383	RNAP_peak_-_1290	RTS_R4_-_1180	4079332;4079351;4079384	pORF_-_4078322	fdhE
MU-2967	4079433	4083958	RNAP_peak_-_1291	RTS_R4_-_1181	4083953;4083987	pORF_-_4079248;pORF_-_4079880;pORF_-_4080795;pORF_-_4083258	fdoI-fdoH-fdoG
MU-2968	4086130	4090846	RNAP_peak_-_1292				frvR-frvX-frvB-frvA
MU-2969	4091147	4095471					rhaM-rhaD-rhaA-rhaB
MU-2970	4096970	4098720	RNAP_peak_-_1293	RTS_R4_-_1182	4098605;4098760	pORF_-_4097514	rhaT
MU-2971	4100395	4100770	RNAP_peak_-_1294	RTS_R4_-_1183	4100760		NT
MU-2972	4101570	4104045	RNAP_peak_-_1295	RTS_R4_-_1184	4103708;4103751	pORF_-_4101625;pORF_-_4102995	cpxA-cpxR
MU-2973	4108798	4109698	RNAP_peak_-_1296	RTS_R4_-_1185	4109564;4109592;4109598	pORF_-_4108763	tpiA
MU-2974	4109748	4110223	RNAP_peak_-_1297	RTS_R4_-_1186	4110260		yiiQ
MU-2975	4111648	4112523	RNAP_peak_-_1298	RTS_R4_-_1187	4112520	pORF_-_4111749	fpr
MU-2976	4112623	4113598		RTS_R4_-_1188	4113626	pORF_-_4112592	glpX
MU-2977	4113998	4115748	RNAP_peak_-_1299	RTS_R4_-_1189		pORF_-_4113737	glpK-glpF
MU-2978	4116898	4117398	RNAP_peak_-_1300	RTS_R4_-_1190	4117379	pORF_-_4116868	rraA
MU-2979	4117448	4118398	RNAP_peak_-_1301	RTS_R4_-_1191	4118424;4118430		menA
MU-2980	4118448	4120323	RNAP_peak_-_1302	RTS_R4_-_1192	4120333;4120371	pORF_-_4118439;pORF_-_4119780	hslU-hslV
MU-2981	4120373	4121123	RNAP_peak_-_1303	RTS_R4_-_1193		pORF_-_4120403	ftsN
MU-2982	4121148	4122523	RNAP_peak_-_1304	RTS_R4_-_1194	4122533	pORF_-_4121454	cytR
MU-2983	4122673	4124898	RNAP_peak_-_1305	RTS_R4_-_1195	4124857	pORF_-_4122635	priA
MU-2984	4125298	4126548	RNAP_peak_-_1306	RTS_R4_-_1196	4126446;4126488;4126552	pORF_-_4126101	yiiX-metJ
MU-2985	4131373	4131773	RNAP_peak_-_1307	RTS_R4_-_1197	4131790		NT
MU-2986	4135063	4135680				pORF_-_4135063	yijF
MU-2987	4136123	4140223		RTS_R4_-_1198		pORF_-_4135955;pORF_-_4137069;pORF_-_4137743	gldA-fsaB-ptsA
MU-2988	4145673	4146323	RNAP_peak_-_1308	RTS_R4_-_1199	4146619		yijO
MU-2989	4146423	4148323	RNAP_peak_-_1309	RTS_R4_-_1200	4148374	pORF_-_4146555	yijP
MU-2990	4148473	4151273	RNAP_peak_-_1310	RTS_R4_-_1201	4151210	pORF_-_4148470	ppc
MU-2991	4151373	4153198		RTS_R4_-_1202	4152919;4153098	pORF_-_4151719	argE
MU-2992	4156348	4156398	RNAP_peak_-_1311	RTS_R4_-_1203	4156365		oxyS
MU-2993	4157273	4158810	RNAP_peak_-_1312	RTS_R4_-_1204	4158845	pORF_-_4157413	sthA
MU-2994	4159885	4161285	RNAP_peak_-_1313	RTS_R4_-_1205	4161318	pORF_-_4160193	trmA
MU-2995	4164310	4164560	RNAP_peak_-_1314	RTS_R4_-_1206			NT
MU-2996	4172110	4173110	RNAP_peak_-_1315	RTS_R4_-_1207	4173130	pORF_-_4172099	coaA
MU-2997	4188399	4188599	RNAP_peak_-_1316	RTS_R4_-_1208	4188551		sroH
MU-2998	4188649	4194324	RNAP_peak_-_1317	RTS_R4_-_1209	4194323;4194398	pORF_-_4188758;pORF_-_4189888;pORF_-_4190660;pORF_-_4190844;pORF_-_4191592;pORF_-_4192227	thiH-thiG-thiS-thiF-thiE-thiC
MU-2999	4194349	4194949	RNAP_peak_-_1318	RTS_R4_-_1210	4194882;4194977	pORF_-_4194355	rsd
MU-3000	4199249	4199699		RTS_R4_-_1211	4199735		zraP



MU-3001	4202624	4205574	RNAP_peak_-_1319	RTS_R4_-_1212	4205593	pORF_-_4202665;pORF_-_4203966	purD-purH
MU-3002	4211302	4212102	RNAP_peak_-_1320	RTS_R4_-_1213	4212165		yjaB
MU-3003	4218324	4220510	RNAP_peak_-_1321				arpA
MU-3004	4220832	4221657	RNAP_peak_-_1322	RTS_R4_-_1214	4221675	pORF_-_4220827	iclR
MU-3005	4227707	4228157	RNAP_peak_-_1323	RTS_R4_-_1215	4228191	pORF_-_4227476	pepE
MU-3006	4229258	4229708	RNAP_peak_-_1324	RTS_R4_-_1216	4229722	pORF_-_4229382	pagB
MU-3007	4229733	4231533	RNAP_peak_-_1325	RTS_R4_-_1217	4231560	pORF_-_4229907	lysC
MU-3008	4237783	4238158	RNAP_peak_-_1326	RTS_R4_-_1218	4238277		yjbT
MU-3009	4238802	4240277	RNAP_peak_-_1327			pORF_-_4238802	xylE
MU-3010	4240958	4244459	RNAP_peak_-_1328	RTS_R4_-_1219	4244488	pORF_-_4243252	malG-malF-malE
MU-3011	4252059	4254642	RNAP_peak_-_1329	RTS_R4_-_1220	4254658	pORF_-_4252066	plsB
MU-3012	4257492	4258042	RNAP_peak_-_1330	RTS_R4_-_1221	4258054	pORF_-_4257511	zur
MU-3013	4261292	4262292	RNAP_peak_-_1331	RTS_R4_-_1222	4262317;4262327	pORF_-_4261271	qor
MU-3014	4266832	4267035	RNAP_peak_-_1332				yjbS
MU-3015	4269167	4271942	RNAP_peak_-_1333	RTS_R4_-_1223	4271914	pORF_-_4269072	uvrA
MU-3016	4272817	4273167	RNAP_peak_-_1334	RTS_R4_-_1224	4273158		yjcB
MU-3017	4275067	4275417	RNAP_peak_-_1335	RTS_R4_-_1225	4275432;4275446		soxS
MU-3018	4275942	4276092	RNAP_peak_-_1336	RTS_R4_-_1226	4276089		ryjA
MU-3019	4279806	4281098	RNAP_peak_-_1337				yjcF
MU-3020	4281292	4285393	RNAP_peak_-_1338	RTS_R4_-_1227	4285413	pORF_-_4281276;pORF_-_4282922;pORF_-_4283436	actP-yjch-acs
MU-3021	4293868	4295143	RNAP_peak_-_1339	RTS_R4_-_1228	4295172	pORF_-_4294459	yjcO
MU-3022	4295368	4297493	RNAP_peak_-_1340	RTS_R4_-_1229	4297441		fdhF
MU-3023	4297587	4302426	RNAP_peak_-_1341			pORF_-_4301101	mdtP-mdtO-mdtN-ytcA
MU-3024	4302635	4304620	RNAP_peak_-_1342			pORF_-_4302635	yjcS
MU-3025	4304893	4309003	RNAP_peak_-_1343			pORF_-_4306512;pORF_-_4307471	alsK-alsE-alsC-alsA
MU-3026	4310194	4311019	RNAP_peak_-_1344	RTS_R4_-_1230	4311039	pORF_-_4310124	alsB-rpiR
MU-3027	4312369	4313694	RNAP_peak_-_1345	RTS_R4_-_1231	4313646		phnP-phnO
MU-3028	4313548	4323188				pORF_-_4315238;pORF_-_4316029;pORF_-_4322400	phnN-phnM-phnL-phnK-phnJ-phnI-phnH-phnG-phnF-phnE-phnD-phnC
MU-3029	4323319	4323769	RNAP_peak_-_1346	RTS_R4_-_1232	4323744;4323789	pORF_-_4323321	yjdN
MU-3030	4323844	4324819	RNAP_peak_-_1347	RTS_R4_-_1233	4324818	pORF_-_4324422	yjdM
MU-3031	4330294	4332269	RNAP_peak_-_1348	RTS_R4_-_1234	4332070	pORF_-_4331305	basS-basR
MU-3032	4331970	4333613					eptA
MU-3033	4333717	4335952	RNAP_peak_-_1349				adiC-adiY
MU-3034	4336277	4338547				pORF_-_4336277	adiA
MU-3035	4338769	4339644	RNAP_peak_-_1350	RTS_R4_-_1235	4339673		melR
MU-3036	4342994	4347069	RNAP_peak_-_1351	RTS_R4_-_1236	4347112	pORF_-_4343703;pORF_-_4345427	yjdB-fumB-dcuB
MU-3037	4347298	4348573	RNAP_peak_-_1352	RTS_R4_-_1237	4348570	pORF_-_4347338	dcuR
MU-3038	4348673	4349723	RNAP_peak_-_1353	RTS_R4_-_1238	4349711		dcuS
MU-3039	4351248	4352848	RNAP_peak_-_1354	RTS_R4_-_1239	4352820	pORF_-_4351223	lysU
MU-3040	4352973	4353898	RNAP_peak_-_1355	RTS_R4_-_1240	4353810		yjDL

MU-3041	4354493	4358054	RNAP_peak_-_1356			pORF_-_4354493	cadA-cadB
MU-3042	4358419	4359957	RNAP_peak_-_1357		4359983		cadC
MU-3043	4360214	4360376	RNAP_peak_-_1358				yjdQ
MU-3044	4360574	4360649	RNAP_peak_-_1359	RTS_R4_-_1241			pheU
MU-3045	4360674	4361249	RNAP_peak_-_1360	RTS_R4_-_1242	4361353	pORF_-_4360756	yjdC
MU-3046	4361274	4363574	RNAP_peak_-_1361	RTS_R4_-_1243	4363567	pORF_-_4361368;pORF_-_4363041	dipZ-cutA
MU-3047	4363624	4364849	RNAP_peak_-_1362	RTS_R4_-_1244	4364954	pORF_-_4363495	dcuA
MU-3048	4364899	4366424	RNAP_peak_-_1363	RTS_R4_-_1245	4366481;4366576	pORF_-_4364914	aspA
MU-3049	4367249	4368449	RNAP_peak_-_1364	RTS_R4_-_1246	4368478		yjeH
MU-3050	4371388	4372257	RNAP_peak_-_1365		4372334		yjeJ
MU-3051	4372649	4373774	RNAP_peak_-_1366	RTS_R4_-_1247	4373707;4373723		yjeK
MU-3052	4375024	4375749	RNAP_peak_-_1367	RTS_R4_-_1248	4375769	pORF_-_4375212	bic
MU-3053	4375999	4376974	RNAP_peak_-_1368	RTS_R4_-_1249	4377026	pORF_-_4375834	ampC
MU-3054	4377074	4380424	RNAP_peak_-_1369	RTS_R4_-_1250	4380421;4380437	pORF_-_4377806;pORF_-_4378533	frdD-frdC-frdB-frdA
MU-3055	4383999	4388449	RNAP_peak_-_1370	RTS_R4_-_1251	4388446	pORF_-_4384070;pORF_-_4387415	yjeP-psd
MU-3056	4388474	4389575	RNAP_peak_-_1371	RTS_R4_-_1252	4389612	pORF_-_4388480	rsgA
MU-3057	4391077	4392077	RNAP_peak_-_1372	RTS_R4_-_1253	4392071		yjeS
MU-3058	4413870	4414895	RNAP_peak_-_1373	RTS_R4_-_1254	4414787	pORF_-_4414464	yjFN-yjFO
MU-3059	4415695	4416470	RNAP_peak_-_1374	RTS_R4_-_1255	4416493;4416505	pORF_-_4415721	ulaR
MU-3060	4416745	4417595		RTS_R4_-_1256	4417675;4417700		ulaG
MU-3061	4422495	4422845	RNAP_peak_-_1375	RTS_R4_-_1257	4422866	pORF_-_4422539	yjfY
MU-3062	4424651	4425445	RNAP_peak_-_1376		4425738	pORF_-_4424651	yjfZ
MU-3063	4426070	4426820	RNAP_peak_-_1377	RTS_R4_-_1258	4426842	pORF_-_4426102	ytfB
MU-3064	4427395	4427695	RNAP_peak_-_1378	RTS_R4_-_1259	4427737;4427775		NT
MU-3065	4429445	4429995		RTS_R4_-_1260	4430032		ytfE
MU-3066	4430114	4431088	RNAP_peak_-_1379		4431075;4431141;4431182		ytfF
MU-3067	4431245	4432045	RNAP_peak_-_1380	RTS_R4_-_1261	4432075	pORF_-_4431187	ytfG
MU-3068	4432720	4434620	RNAP_peak_-_1381	RTS_R4_-_1262	4434652	pORF_-_4432645	cpdB
MU-3069	4436795	4437345	RNAP_peak_-_1382	RTS_R4_-_1263	4437333	pORF_-_4436731	ytfJ
MU-3070	4437896	4439397	RNAP_peak_-_1383	RTS_R4_-_1264	4439273;4439407	pORF_-_4437895	ytfL
MU-3071	4439472	4440272	RNAP_peak_-_1384	RTS_R4_-_1265	4440285	pORF_-_4439561	msrA
MU-3072	4447147	4447697	RNAP_peak_-_1385	RTS_R4_-_1266	4447709	pORF_-_4447145	ppa
MU-3073	4452647	4453772	RNAP_peak_-_1386	RTS_R4_-_1267	4453663;4453669	pORF_-_4452634	fbp
MU-3074	4455147	4455947	RNAP_peak_-_1387	RTS_R4_-_1268	4455910	pORF_-_4455337	yjgA
MU-3075	4458072	4460831	RNAP_peak_-_1388	RTS_R4_-_1269	4460853	pORF_-_4458545	nrdG-nrdD
MU-3076	4462881	4465331	RNAP_peak_-_1389	RTS_R4_-_1270	4465297;4465303	pORF_-_4462782;pORF_-_4464322	treC-treB-treR
MU-3077	4468460	4468935	RNAP_peak_-_1390	RTS_R4_-_1271	4468967	pORF_-_4468550	yjgF
MU-3078	4468960	4470710	RNAP_peak_-_1391	RTS_R4_-_1272	4470574	pORF_-_4469009;pORF_-_4469483	pyrI-pyrB-pyrL
MU-3079	4470760	4471260	RNAP_peak_-_1392	RTS_R4_-_1273	4471189		yjgH
MU-3080	4471410	4472060	RNAP_peak_-_1393	RTS_R4_-_1274	4472082		yjgI
MU-3081	4475235	4476335	RNAP_peak_-_1394	RTS_R4_-_1275	4476367	pORF_-_4475330	argI

MU-3082	4477085	4477560	RNAP_peak_-_1395	RTS_R4_-_1276	4477592	pORF_-_4477057	yjgM
MU-3083	4479013	4481938	RNAP_peak_-_1396	RTS_R4_-_1277	4481941;4481950	pORF_-_4479005	valS
MU-3084	4481963	4482338	RNAP_peak_-_1397	RTS_R4_-_1278	4482296	pORF_-_4481860	holC
MU-3085	4482363	4484138	RNAP_peak_-_1398	RTS_R4_-_1279	4484124;4484133;4484159	pORF_-_4482463	pepA
MU-3086	4486488	4488088	RNAP_peak_-_1399	RTS_R4_-_1280	4488106	pORF_-_4486584	yjgR
MU-3087	4488138	4489613	RNAP_peak_-_1400	RTS_R4_-_1281	4489571;4489668	pORF_-_4488164	idnR
MU-3088	4489229	4492429	RNAP_peak_-_1401			pORF_-_4490610	idnT-idnO-idnD
MU-3089	4493338	4494238	RNAP_peak_-_1402	RTS_R4_-_1282	4494256	pORF_-_4493213	yjgB
MU-3090	4497288	4497538	RNAP_peak_-_1403	RTS_R4_-_1283	4497552		NT
MU-3091	4498063	4498513	RNAP_peak_-_1404	RTS_R4_-_1284	4498527		NT
MU-3092	4497616	4498814	RNAP_peak_-_1405				yjgX
MU-3093	4500163	4501438	RNAP_peak_-_1406	RTS_R4_-_1285	4501480		insG
MU-3094	4504713	4504888	RNAP_peak_-_1407	RTS_R4_-_1286	4504927		yjhD
MU-3095	4505488	4506688	RNAP_peak_-_1408	RTS_R4_-_1287	4506740		insI
MU-3096	4506699	4506965					insM
MU-3097	4508620	4512720	RNAP_peak_-_1409	RTS_R4_-_1288	4512624	pORF_-_4509481;pORF_-_4511429	fecE-fecD-fecC-fecB
MU-3098	4512995	4516270	RNAP_peak_-_1410	RTS_R4_-_1289	4516274;4516286	pORF_-_4512376	fecA-fecR-fecI
MU-3099	4516620	4518470	RNAP_peak_-_1411	RTS_R4_-_1290	4518437	pORF_-_4517361	yjhU
MU-3100	4518694	4520043	RNAP_peak_-_1412				yjhF
MU-3101	4520150	4522117	RNAP_peak_-_1413				yjhG
MU-3102	4522128	4523826	RNAP_peak_-_1414				yjhH-yjhI
MU-3103	4524420	4525870	RNAP_peak_-_1415	RTS_R4_-_1291	4526043		sgcR-sgcE-sgcA
MU-3104	4525920	4529670	RNAP_peak_-_1416	RTS_R4_-_1292	4529709	pORF_-_4526134;pORF_-_4528278;pORF_-_4528553	sgcQ-sgcC-sgcB-sgcX
MU-3105	4529945	4530345		RTS_R4_-_1293	4530385		yjhY
MU-3106	4530445	4531920	RNAP_peak_-_1417	RTS_R4_-_1294	4531869		yjhP-yjhQ-yjhX
MU-3107	4532453	4532698	RNAP_peak_-_1418				yjhZ
MU-3108	4534637	4535617					yjhS
MU-3109	4535645	4536895	RNAP_peak_-_1419	RTS_R4_-_1295	4536784	pORF_-_4535682	nanM
MU-3110	4536808	4537524	RNAP_peak_-_1420				nanC
MU-3111	4547846	4549271		RTS_R4_-_1296	4549357		gntP
MU-3112	4553513	4554343	RNAP_peak_-_1421				yjiC
MU-3113	4555571	4556371	RNAP_peak_-_1422	RTS_R4_-_1297	4556259;4556338	pORF_-_4555401	yjiE
MU-3114	4556396	4557646	RNAP_peak_-_1423	RTS_R4_-_1298	4557566;4557613	pORF_-_4556377	iadA
MU-3115	4558121	4558872		RTS_R4_-_1299	4558769	pORF_-_4558020	yjiG-yjiH
MU-3116	4559772	4565198	RNAP_peak_-_1424	RTS_R4_-_1300	4565269	pORF_-_4562722;pORF_-_4563989	yjiJ-yjiK-yjiL-yjiM-yjiN
MU-3117	4565323	4566756	RNAP_peak_-_1425	RTS_R4_-_1301	4566662;4566790		mdtM
MU-3118	4568306	4569631	RNAP_peak_-_1426	RTS_R4_-_1302	4569656		yjiR
MU-3119	4576044	4577344	RNAP_peak_-_1427	RTS_R4_-_1303	4577384	pORF_-_4574935;pORF_-_4575981	mcrC-mcrB
MU-3120	4577570	4577845	RNAP_peak_-_1428	RTS_R4_-_1304	4577938		symE
MU-3121	4578170	4581221	RNAP_peak_-_1429	RTS_R4_-_1305	4581252;4581296;4581329	pORF_-_4578091;pORF_-_4579482	hsdS-hsdM
MU-3122	4581271	4584849	RNAP_peak_-_1430	RTS_R4_-_1306	4584833	pORF_-_4581272	hsdR

MU-3123	4585949	4587049		RTS_R4_-_1307	4587083		pORF_-_4585932	yjiA-yjiX
MU-3124	4587224	4589374	RNAP_peak_-_1431	RTS_R4_-_1308	4589376		pORF_-_4587152	yjiY
MU-3125	4591384	4592745	RNAP_peak_-_1432					yjjL
MU-3126	4593224	4593899		RTS_R4_-_1309	4593888		pORF_-_4592960	yjjM
MU-3127	4595174	4597499	RNAP_peak_-_1433	RTS_R4_-_1310	4597516		pORF_-_4595173	mdbB
MU-3128	4597724	4599599	RNAP_peak_-_1434	RTS_R4_-_1311	4599580;4599620		pORF_-_4597718;pORF_-_4598261;pORF_-_4599001	yjjA-dnaC-dnaT
MU-3129	4600324	4600899	RNAP_peak_-_1435	RTS_R4_-_1312	4600916			yjjB-yjjP
MU-3130	4602599	4603699	RNAP_peak_-_1436	RTS_R4_-_1313	4603716		pORF_-_4602898	fhuF
MU-3131	4604049	4604424	RNAP_peak_-_1437	RTS_R4_-_1314	4604459			leuV-leuP-leuQ
MU-3132	4604624	4605724	RNAP_peak_-_1438	RTS_R4_-_1315	4605745		pORF_-_4604692	rsmC
MU-3133	4614049	4615099	RNAP_peak_-_1439	RTS_R4_-_1316	4615116		pORF_-_4613538	yjjW-yjjI
MU-3134	4621274	4622799	RNAP_peak_-_1440	RTS_R4_-_1317	4622833		pORF_-_4621124;pORF_-_4622168	lplA-ytjB
MU-3135	4626824	4628549	RNAP_peak_-_1441	RTS_R4_-_1318	4628586		pORF_-_4626878	yjjK
MU-3136	4631099	4631774	RNAP_peak_-_1442	RTS_R4_-_1319	4631787;4631795		pORF_-_4631256	yjjX
MU-3137	4632374	4633349	RNAP_peak_-_1443	RTS_R4_-_1320	4633376		pORF_-_4632464	rob
MU-3138	4637618	4638693	RNAP_peak_-_1444	RTS_R4_-_1321	4638355;4638361;4638442;4638618;4638703		pORF_-_4637613	arcA