

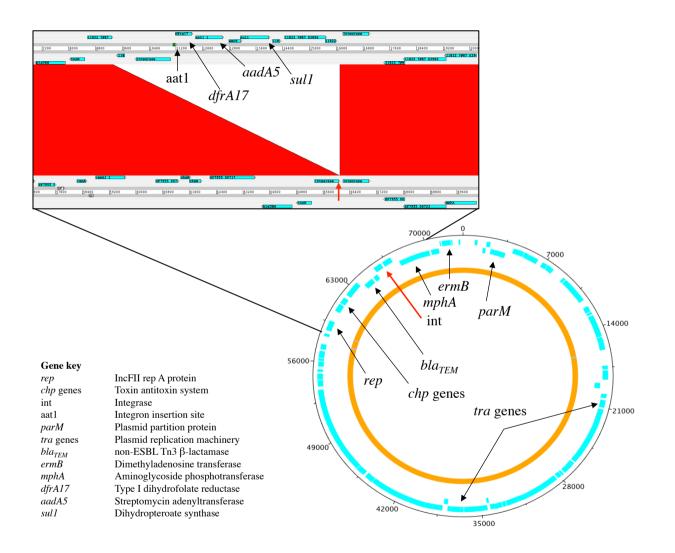
Associated lineage phylogeny with carriage of variably present ARGs and interviewee data. The phylogenetic tree (from Figure 2 including left-most track) is shown adjacent to further tracks showing those isolates linked with interviewee data (blue), as well as the presence (red) and absence (blue) of ARGs, grouped by the genetic carriage element (labeled above).

Genome pKSR100 (1160 SNPs) (30 SNPs) В C Α

relationships of pKSR100

(right) with the genome of the MSM-outbreak associated lineage isolates (left). Sequences from individual isolates are linked by grey lines and an example of horizontal transmission of the plasmid is indicated (red arrow).

Horizontal transmission of pKSR100 from sub-lineage A supported by this isolate (ERS369539) containing the *dfrA17/aadA5* class I integron found on pKSR100 in sub-lineage B isolates



plasmid pKSR100 from isolate
SF7955. The insertion of a Class
1 Integron (shown here from isolate ERS369539) is shown inset, where blocks of collinear synteny are shown in red between the sequences.

		Phylogenetic lineage	·
ARG	Africa-associated lineage	Asia-associated lineage	MSM-outbreak associated lineage
mph(A)	2	3	51
erm(B)	0	1	48
blaTEM	4	16	53
mdtE	65	45	67
aph6id (strB)	58	23	23
aph33ib (strA)	60	23	23
sul2	58	64	23
dfra14	54	3	21
sul1	0	6	9
bl2d oxa1	58	12	90
catA1	60	75	92
dfrA17	0	1	8
emrD	0	0	0
dfrA12	0	0	_ 1
dfrA1	2	65	1
ant2ia	0	0	1
catA2	0	0	0
aac6ib	0	1	0
acrB	98	100	100
ant3ia (aadA1)	58	75	99
arnA	98	100	100
bacA	98	100	100
bcr	96	97	98
$bl1_ec$	100	100	100
dfrA5	0	3	0
macB	98	100	100
mdtG	98	99	100
mdtH	98	99	99
mdtL	100	99	99
mdtM	0	0	0
mdtN	100	1	99
qnrB	0	1	0
qnrS	0	3	0
tetA	2	10	0
tetB	60	77	100
tetC	4	10	0
tolC	100	100	100
mdtK	100	99	100
aadA5	0	1	8
gyrA * sites 83, 87, 211	0	76	2
parC * sites 80, 84	0	47	0
Total isolates in clade	52	69	206

^{* ≥ 80%} of isolates examined

E. Percentage of isolates containing antimicrobial resistance genes (ARGs) by lineage. Cells are coloured according to lineage colour in Figure 1 with increasing depth corresponds to increased percentage of isolates carrying the ARG.

	ENA accession nu		Sequencing site	Sample name
138	ERS180138	Isolate site PHE	WTSI	ERS180138
	ERS563945 ERS369546	PHE PHE	PHE WTSI	228/13 ERS369546
	ERS369533	PHE	WTSI	ERS369533
	ERS369501	PHE	WTSI	ERS369501
	ERS369492 ERS180111	PHE PHE	WTSI WTSI	ERS369492 ERS180111
	ERS372317	IP	WTSI	13-6754
	ERS369507	PHE	WTSI	ERS369507
	ERS180128 ERS369522	PHE PHE	WTSI WTSI	ERS180128 ERS369522
	ERS526308	UoM	MDU PHL	AUSMDU00003039_S8
	ERS088023	NICD	WTSI	ERS088023
	ERS372292 ERS088046	IP NICD	WTSI WTSI	11-719 sh0368 4464372
	ERS180059	PHE	WTSI	ERS180059
086	ERS180086	PHE	WTSI	ERS180086
	ERS180063 ERS180139	PHE PHE	WTSI WTSI	ERS180063 ERS180139
	ERS180058	PHE	WTSI	ERS180058
	ERS369534	PHE	WTSI	ERS369534
	ERS563938	PHE	PHE	214/13
	ERS088048 ERS506426	NICD NSWDOH	WTSI WTSI	ERS088048 80-12-224-2372
	ERS369505	PHE	WTSI	ERS369505
	ERS372287	IP	WTSI	10-2529
	ERS180080 ERS088021	PHE NICD	WTSI WTSI	ERS180080 sh0343 4464347
	ERS372290	IP	WTSI	11-278
	ERS563922	PHE	PHE	695/13
	ERS025944 ERS526295	IP PHOL	WTSI DSC	Sh08-0350 SF1677
	ERS372285	IP	WTSI	10-1755
	ERS180116	PHE	WTSI	ERS180116
	ERS180096 ERS563924	PHE PHE	WTSI PHE	ERS180096 365/13
	ERS180103	PHE	WTSI	ERS180103
543	ERS369543	PHE	WTSI	ERS369543
	ERS157680 ERS180148	ICDDRB PHE	WTSI WTSI	K-9292 ERS180148
	ERS506427	NSWDOH	WTSI	80-12-240-4928
	ERS372300	IP	WTSI	12-1488
	ERS180123	PHE	WTSI	ERS180123
	ERS180065 ERS369524	PHE PHE	WTSI WTSI	ERS180065 ERS369524
	ERS526306	UoM	MDU PHL	AUSMDU00003037_S2
	ERS369496	PHE	WTSI	ERS369496
	ERS563950 ERS563936	PHE PHE	PHE PHE	415/13 461/13
	ERS180105	PHE	WTSI	ERS180105
	ERS180136	PHE	WTSI	ERS180136
	ERS180130 ERS563959	PHE PHE	WTSI PHE	ERS180130 580/13
	ERS157677	ICDDRB	WTSI	K-9175
	ERS180093	PHE	WTSI	ERS180093
	ERS087994 ERS563935	NICD PHE	WTSI PHE	ERS087994 512/13
	ERS157686	ICDDRB	WTSI	K-9447
978	ERS031978	OUCRU	WTSI	MS0105_2882369
	ERS372283 ERS563960	IP PHE	WTSI PHE	10-1391 505/13
	ERS563947	PHE	PHE	348/13
	ERS563927	PHE	PHE	115/13
	ERS369453 ERS372308	PHE IP	WTSI WTSI	ERS369453 12-10736
	ERS372308 ERS180141	PHE	WTSI	ERS180141
476	ERS369476	PHE	WTSI	ERS369476
	ERS369515 ERS526307	PHE UoM	WTSI MDU PHL	ERS369515 AUSMDU00003038 S5
	ERS372302	IP	WTSI	12-321
1494	ERS369494	PHE	WTSI	ERS369494
	ERS180142 ERS088020	PHE NICD	WTSI WTSI	ERS180142
	ERS088020 ERS031968	OUCRU	WTSI	sh0342_4464346 MS0078_2882359
685	ERS157685	ICDDRB	WTSI	K-9444
	ERS372295	IP BUE	WTSI	11-6611 EBC190115
	ERS180115 ERS369513	PHE PHE	WTSI WTSI	ERS180115 ERS369513
547	ERS369547	PHE	WTSI	ERS369547
	ERS369527	PHE	WTSI	ERS369527
	ERS031799 ERS180110	OUCRU PHE	WTSI WTSI	EG0006_2874369 ERS180110
064	ERS180064	PHE	WTSI	ERS180064
	ERS180109	PHE	WTSI	ERS180109
	ERS369536 ERS180090	PHE PHE	WTSI WTSI	ERS369536 ERS180090
	ERS369458	PHE	WTSI	ERS369458
684	ERS157684	ICDDRB	WTSI	K-9413
	ERS369463 ERS180067	PHE PHE	WTSI WTSI	ERS369463 ERS180067
081	ERS180081	PHE	WTSI	ERS180081
	ERS369511	PHE	WTSI	ERS369511
	ERS180118 EPS526310	PHE	WTSI MDU PHI	
	ERS526310 ERS180126	UoM PHE	MDU PHL WTSI	AUSMDU00003041_S14 ERS180126
531	ERS369531	PHE	WTSI	ERS369531
	ERS563923	PHE	PHE	147/13 ERS180087
	ERS180087 ERS031805			
	ERS157758	ICDDRB	WTSI	K-62
	ERS180102	PHE	WTSI	ERS180102
	ERS180082 ERS180060		WTSI WTSI	
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1099	ERS180099	PHE	WTSI	ERS180099
	ERS372313 EPS526310	IP HoM	WTSI MDU PHI	ERS372313
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	ERS180089	PHE	WTSI	ERS180089
	ERS563943 ERS180068			
	ERS180129	PHE	WTSI	ERS180129
934	ERS563934	PHE	PHE	307/13
300	ERS526309	UoM	MDU PHL MDU PHL	AUSMDU00003040_S11 AUSMDU00003051 S21
	ERS526320	UoM		
153 153 153 153 153 153 153 153 153 153	ER33692 ERS1801 ERS5263 ERS1801 ERS5263 ERS18004 ERS5635 ERS18006 ERS18006 ERS18006 ERS18006 ERS18006 ERS18006 ERS18006 ERS5263 ERS18006 ERS5263 ERS18006 ERS5263 ERS18006 ERS5263 ERS18006 ERS5263	PHE PHE UOM PHE	WTSI WTSI MDU PHL WTSI PHE WTSI WTSI WTSI WTSI WTSI WTSI WTSI WTSI	RES369511 ERS180118 AUSMD/100003041_S14 ERS180126 ERS369531 147/13 ERS180087 EG0257_2874375 K-62 ERS180102 ERS180000 ERS180000 ERS180109 ERS180099 ERS372313 AUSMD/100003042_S17 ERS180099 ERS372313 ERS180099 ERS372313 AUSMD/100003042_S17 ERS180099 AUSMS/100003042_S17 ERS180099 AUSMS/100003042_S17 AUSMD/100003042_S17 AUSMD/100003042_S17 AUSMS/100003042_S17 AUSMS/100003042_S17 AUSMS/100003042_S17 AUSMS/100003042_S17 AUSMS/100003042_S17 AUSMS/100003042_S17 AUSMS/100003042_S17 AUSMS/100003042_S17 AUSMS/100003042_S17

AUSMDU00003029_S1 ERS180106	MDU PHL WTSI	UoM PHE	ERS526298 ERS180106
sh0341 4464345	WTSI	NICD	ERS088019
503/13	PHE	PHE	ERS563937
ERS369541	WTSI	PHE	ERS369541
AUSMDU00003048_S12	MDU PHL	UoM	ERS526317
ERS369468 12-070	WTSI WTSI	PHE IP	ERS369468 ERS372297
ERS369529	WTSI	PHE	ERS369529
AUSMDU00003033 S13	MDU PHL	UoM	ERS526302
ERS180066	WTSI	PHE	ERS180066
ERS180078	WTSI	PHE	ERS180078
EG0198_2874374	WTSI	OUCRU	ERS031804
ERS180083 ERS031795	WTSI WTSI	PHE OUCRU	ERS180083 ERS031795
ERS180114	WTSI	PHE	ERS180114
ERS180121	WTSI	PHE	ERS180121
AUSMDU00003045_S3	MDU PHL	UoM	ERS526314
12-2560	WTSI	IP	ERS372303
K-9522	WTSI	ICDDRB	ERS157688
ERS369506	WTSI	PHE	ERS369506
293/13 369/13B	PHE PHE	PHE PHE	ERS563930 ERS563925
ERS369518	WTSI	PHE	ERS369518
13-1398	WTSI	IP	ERS372311
ERS369525	WTSI	PHE	ERS369525
369/13A	PHE	PHE	ERS563917
K-734	WTSI	ICDDRB	ERS157674
ERS372298	WTSI	IP	ERS372298
ERS369497 592/13	WTSI PHE	PHE PHE	ERS369497 ERS563931
ERS180085	WTSI	PHE	ERS180085
ERS369535	WTSI	PHE	ERS369535
ERS369509	WTSI	PHE	ERS369509
Sh06-3638	WTSI	IP	ERS025930
EG0302_2874376	WTSI	OUCRU	ERS031806
ERS180124 ERS180075	WTSI	PHE	ERS180124
K-9588	WTSI WTSI	PHE ICDDRB	ERS180075 ERS157689
AUSMDU00003030 S4	MDU PHL	UoM	ERS526299
AUSMDU00003035_S19	MDU PHL	UoM	ERS526304
351/13	PHE	PHE	ERS563954
13-6290	WTSI	IP	ERS372316
K-9129	WTSI	ICDDRB	ERS157675
AUSMDU00003043_S20	MDU PHL	UoM	ERS526312
663/13 ERS369498	PHE WTSI	PHE PHE	ERS563951 ERS369498
ERS031786	WTSI	OUCRU	ERS031786
ERS180071	WTSI	PHE	ERS180071
ERS369472	WTSI	PHE	ERS369472
ERS369542	WTSI	PHE	ERS369542
ERS180147	WTSI	PHE	ERS180147
548/13 AUSMDU00003031 S7	PHE MDU PHL	PHE UoM	ERS563921 ERS526300
80-11-164-2370	WTSI	NSWDOH	ERS526300 ERS506421
ERS088022	WTSI	NICD	ERS088022
K-9454	WTSI	ICDDRB	ERS157687
458/13	PHE	PHE	ERS563958
806/13	PHE	PHE	ERS563932
287/13 ERS180133	PHE WTSI	PHE PHE	ERS563929
K-276	WTSI	ICDDRB	ERS180133 ERS157673
ERS369526	WTSI	PHE	ERS369526
ERS180092	WTSI	PHE	ERS180092
ERS369479	WTSI	PHE	ERS369479
K-9411	WTSI	ICDDRB	ERS157683
DE0090_2868493	WTSI	OUCRU	ERS031761 ERS526321
AUSMDU00003052_S24 ERS369545	MDU PHL WTSI	UoM PHE	ERS526321 ERS369545
10-7674	WTSI	PHE	ERS372289
ERS180100	WTSI	PHE	ERS180100
ERS369517	WTSI	PHE	ERS369517
11-6955	WTSI	IP	ERS372296
76/13 ED 00000 47	PHE	PHE	ERS563955
ERS088047 AUSMDU00003036_S22	WTSI MDU PHL	NICD UoM	ERS088047 ERS526305
K-10248	WTSI	ICDDRB	ERS157670
sh0315 4464319	WTSI	NICD	ERS087993
80-11-358-2172	WTSI	NSWDOH	ERS506423
SF0743	DSC	PHOL	ERS526293
Sh05-8094	WTSI	IP PHE	ERS025923
ERS369514 ERS180135	WTSI WTSI	PHE	ERS369514 ERS180135
ERS180133 ERS372309	WTSI	IP	ERS372309
11-2240	WTSI	IP	ERS372294
K-10368	WTSI	ICDDRB	ERS157672
AUSMDU00003044_S23	MDU PHL	UoM	ERS526313
10-1295 80-13-058-4645	WTSI WTSI	IP NSWDOH	ERS372282 ERS506429
ERS180117	WTSI	PHE	ERS180117
ERS180127	WTSI	PHE	ERS180127
ERS369503	WTSI	PHE	ERS369503
136/13	PHE	PHE	ERS563933
ERS369495 80-12-110-4516	WTSI	PHE NSWDOH	ERS369495 ERS506425
80-12-110-4516 80-12-011-3999	WTSI WTSI	NSWDOH NSWDOH	ERS506425 ERS506424
Sh08-3483	WTSI	IP	ERS025949
ERS180056	WTSI	PHE	ERS180056
ERS369477	WTSI	PHE	ERS369477
ERS369544	WTSI	PHE	ERS369544
443/13	PHE	PHE	ERS563919
12-6716 ERS180097	WTSI WTSI	IP PHE	ERS372307 ERS180097
11-820	WTSI	IP	ERS372293
10-7290	WTSI	IP	ERS372288
ERS369504	WTSI	PHE	ERS369504
ERS369538	WTSI	PHE	ERS369538
Sh07-4848 ERS369537	WTSI	IP PHE	ERS025937
		ICDDRB	ERS369537 ERS157681
K-9339	WTSI WTSI		
K-9339 ERS369510	WTSI WTSI WTSI	PHE	ERS369510
	WTSI WTSI PHE	PHE PHE	ERS369510 ERS563948
ERS369510 84/13 ERS180120	WTSI WTSI PHE WTSI	PHE PHE PHE	ERS563948 ERS180120
ERS369510 84/13 ERS180120 ERS369530	WTSI WTSI PHE WTSI WTSI	PHE PHE PHE PHE	ERS563948 ERS180120 ERS369530
ERS369510 84/13 ERS180120 ERS369530 Sh05-0787	WTSI WTSI PHE WTSI WTSI WTSI	PHE PHE PHE PHE IP	ERS563948 ERS180120 ERS369530 ERS025912
ERS369510 84/13 ERS180120 ERS369530 Sh05-0787 AUSMDU00003047_S9	WTSI WTSI PHE WTSI WTSI WTSI WTSI MTSI MDU PHL	PHE PHE PHE PHE IP UoM	ERS563948 ERS180120 ERS369530 ERS025912 ERS526316
ERS369510 84/13 ERS180120 ERS369530 Sh05-0787	WTSI WTSI PHE WTSI WTSI WTSI	PHE PHE PHE PHE IP	ERS563948 ERS180120 ERS369530 ERS025912
ERS369510 84/13 ERS180120 ERS369530 Sh05-0787 AUSMDU00003047_S9 ERS180098	WTSI WTSI PHE WTSI WTSI WTSI WTSI MDU PHL WTSI	PHE PHE PHE PHE IP UoM PHE	ERS563948 ERS180120 ERS369530 ERS025912 ERS526316 ERS180098

K-9375	WTSI	ICDDRB	ERS157682
ERS180073	WTSI	PHE	ERS180073
ERS180113	WTSI	PHE	ERS180113
106/13	PHE	PHE	ERS563940
ERS088049	WTSI	NICD	ERS088049
ERS180057	WTSI	PHE	ERS180057
12-1897	WTSI	IP	ERS372301
Sh09-4409	WTSI	IP	ERS025956
K-9278	WTSI	ICDDRB	ERS157679
ERS180104	WTSI	PHE	ERS180104
AUSMDU00003032_S10	MDU PHI.	UoM	ERS526301
627/13	PHE	PHE	ERS563956
368/13	PHE	PHE	ERS563944
ERS369460	WTSI	PHE	ERS369460
AUSMDU00003034_S16	MDU PHL	UoM	ERS526303
ERS180061	WTSI	PHE	ERS180061
ERS180077	WTSI	PHE	ERS180077
388/13	PHE	PHE	ERS563953
K-10343	WTSI	ICDDRB	ERS157671
ERS087995	WTSI	NICD	ERS087995
ERS180145	WTSI	PHE	ERS180145
ERS369475	WTSI	PHE	ERS369475
5/63	WTSI	PHE	ERS088065
ERS369493	WTSI	PHE	ERS369493
ERS180112	WTSI	PHE	ERS180112
ERS369521	WTSI	PHE	ERS369521
ERS369462	WTSI	PHE	ERS369462
Sh07-4943	WTSI	IP	ERS025938
ERS180076	WTSI	PHE	ERS180076
179/13	PHE	PHE	ERS563918
217/13	PHE	PHE	ERS563939
ERS180150	WTSI	PHE	ERS180150
ERS031772	WTSI	OUCRU	ERS031772
ERS180131	WTSI	PHE	ERS180131
11-632	WTSI	IP	ERS372291
ERS180107	WTSI	PHE	ERS180107
ERS369470	WTSI	PHE	ERS369470
13-3909	WTSI	IP	ERS372314
ERS369519	WTSI	PHE	ERS369519
ERS369512	WTSI	PHE	ERS369512
10-2493	WTSI	IP	ERS372286
ERS180070	WTSI	PHE	ERS180070
80-12-339-4617	WTSI	NSWDOH	ERS506428
		PHE	
ERS369539	WTSI		ERS369539
ERS088050	WTSI	NICD	ERS088050
ERS180125	WTSI	PHE	ERS180125
ERS180146	WTSI	PHE	ERS180146
K-9169	WTSI	ICDDRB	ERS157676
ERS180101	WTSI	PHE	ERS180101
ERS180079	WTSI	PHE	ERS180079
AUSMDU00003049 S15	MDU PHL	UoM	ERS526318
AUSMDU00003046_S6	MDU PHL	UoM	ERS526315
ERS369499	WTSI	PHE	ERS369499
285/13	PHE	PHE	ERS563928
sh0313 4464317	WTSI	NICD	ERS087991
ERS180091	WTSI	PHE	ERS180091
ERS369461	WTSI	PHE	ERS369461
ERS369516	WTSI	PHE	ERS369516
198/13	PHE	PHE	ERS563941
ERS369457	WTSI	PHE	ERS369457
ERS180095	WTSI	PHE	ERS180095
ERS180122	WTSI	PHE	ERS180122
414/13	PHE	PHE	ERS563949
ERS180084	WTSI	PHE	ERS180084
ERS180143	WTSI	PHE	ERS180143
ERS369520	WTSI	PHE	ERS369520
ERS180134	WTSI	PHE	ERS180134
ERS180108	WTSI	PHE	ERS180108
		ICDDRB	
K-9256	WTSI		ERS157678
ERS369500	WTSI	PHE	ERS369500
ERS180132	WTSI	PHE	ERS180132
09-9039	WTSI	IP	ERS372281
ERS180074	WTSI	PHE	ERS180074
ERS369523	WTSI	PHE	ERS369523
ERS180094	WTSI	PHE	ERS180094
201/13	PHE	PHE	ERS563942
ERS180055	WTSI	PHE	ERS180055
ERS180069	WTSI	PHE	ERS180069
ERS180144	WTSI	PHE	ERS180144
ERS180072	WTSI		ERS180072
10262 2868448		PHE	
	WTSI	OUCRU	ERS031716
ERS180140	WTSI	PHE	ERS180140
ERS031757	WTSI	OUCRU	ERS031757
ERS180088	WTSI	PHE	ERS180088
ERS369502	WTSI	PHE	ERS369502
05-11-032-2299	WTSI	NSWDOH	ERS506420
237/13	PHE	PHE	ERS563946
SF7955	DSC	PHOL	ERS526297
290/13	PHE	PHE	ERS563920
447/13	PHE	PHE	ERS563957
204/13	PHE	PHE	ERS563926
SF7787	DSC	PHOL	ERS526296
ERS180119	WTSI	PHE	ERS180119

Key to abbrieviations
WTSI
IP
PHE
OUCRU
NICD
PHOL
NSWDOH
UoM
ICDDRB
DSC
MDU PHL
ENA
ND Wellcome Trust Sanger Institute
Pasteur Institute
Pasteur Institute
Pasteur Institute
Public Health England
Coxford University Clinical Research Unit
National Institute for Communicable Disease
Public Health Ontario Laboratories
New South Wales Department of Health
University of Melbourne
International Centre for Diarroheal Disease Research
Donelly Sequencing Center
Microbiological Diagnostic Unit, Public Health Laboratory, Victoria, Australia
European Nucleotide Archive
Not Determined

Key to gender M Male F Female Blank Unknown

Sample name	Phylogeny Lineage	Sub-lineage	Continent	Isolation details Country	Date of isolation
ERS180138	MSM-outbreak associated		Europe	UK	03/03/2010
228/13 ERS369546	MSM-outbreak associated MSM-outbreak associated	B A	Europe Europe	UK UK	24/06/2013 21/08/2013
ERS369533	MSM-outbreak associated	A	Europe	UK	05/03/2013
ERS369501 ERS369492	MSM-outbreak associated Asia-associated	С	Europe Europe	UK UK	18/10/2012 10/07/2012
ERS180111	MSM-outbreak associated		Europe	UK	15/04/2008
13-6754	MSM-outbreak associated	A C	Europe	France UK	07/08/2013
ERS369507 ERS180128	MSM-outbreak associated Africa-associated	C	Europe Europe	UK	29/11/2012 10/03/2009
ERS369522	MSM-outbreak associated	A	Europe	UK	22/01/2013
AUSMDU00003039_S8 ERS088023	MSM-outbreak associated Africa-associated	A	Oceania Africa	Australia South Africa	22/02/2014 14/02/2010
11-719	Asia-associated		Europe	France	03/02/2011
sh0368_4464372 ERS180059	Africa-associated MSM-outbreak associated		Africa Europe	South Africa UK	03/06/2011 21/04/2010
ERS180039 ERS180086	Asia-associated		Europe	UK	28/07/2011
ERS180063	MSM-outbreak associated		Europe	UK	20/02/2008
ERS180139 ERS180058	MSM-outbreak associated Africa-associated		Europe Europe	UK UK	14/07/2010 28/10/2009
ERS369534	MSM-outbreak associated	A	Europe	UK	12/03/2013
214/13	MSM-outbreak associated	В	Europe	UK	07/06/2013
ERS088048 80-12-224-2372	Africa-associated Asia-associated		Africa Oceania	South Africa Australia	29/03/2011 11/08/2012
ERS369505	MSM-outbreak associated	В	Europe	UK	29/11/2012
10-2529	MSM-outbreak associated		Latin America	French Guiana	22/02/2010
ERS180080 sh0343 4464347	Asia-associated Africa-associated		Europe Africa	UK South Africa	08/10/2008 14/02/2010
11-278	MSM-outbreak associated		Europe	France	11/01/2011
695/13	Asia-associated		Europe	UK	16/04/2013
Sh08-0350 SF1677	Outgroup MSM-outbreak associated	С	Outgroup North America	Canada	15/07/2013
10-1755	MSM-outbreak associated	-	Europe	France	01/04/2010
ERS180116	MSM-outbreak associated		Europe	UK	15/11/2010
ERS180096 365/13	MSM-outbreak associated MSM-outbreak associated	С	Europe Europe	UK UK	19/12/2008 23/04/2013
ERS180103	MSM-outbreak associated		Europe	UK	25/03/2008
ERS369543 K-9292	MSM-outbreak associated Asia-associated	A	Europe Asia	UK Bangladesh	16/07/2013 2009
K-9292 ERS180148	MSM-outbreak associated	С	Asia Europe	UK.	04/02/2011
80-12-240-4928	Asia-associated		Oceania	Australia	27/08/2012
12-1488 ERS180123	Africa-associated MSM-outbreak associated		Europe Europe	France UK	22/02/2012 18/06/2010
ERS180065	MSM-outbreak associated		Europe	UK	28/07/2009
ERS369524	MSM-outbreak associated	В	Europe	UK	04/02/2013
AUSMDU00003037_S2 ERS369496	MSM-outbreak associated MSM-outbreak associated	A C	Oceania Europe	Australia UK	05/02/2014 01/10/2012
415/13	MSM-outbreak associated	C	Europe	UK	16/07/2013
461/13 ERS180105	MSM-outbreak associated MSM-outbreak associated	С	Europe Europe	UK UK	04/06/2013 23/09/2009
ERS180105 ERS180136	Asia-associated		Europe	UK	20/04/2009
ERS180130	MSM-outbreak associated		Europe	UK	04/02/2010
580/13 K-9175	MSM-outbreak associated Asia-associated	A	Europe Asia	UK Bangladesh	12/08/2013 2009
ERS180093	MSM-outbreak associated		Europe	UK	01/04/2011
ERS087994	Africa-associated		Africa	South Africa	25/05/2009
512/13 K-9447	Africa-associated Asia-associated		Europe Asia	UK Bangladesh	29/05/2013 2009
MS0105_2882369	Asia-associated		Asia	Vietnam	May-96
10-1391 505/13	MSM-outbreak associated MSM-outbreak associated	С	Latin America Europe	French Guiana UK	13/02/2010 15/08/2013
348/13	Africa-associated	C	Europe	UK	09/07/2013
115/13	Africa-associated		Europe	UK	30/04/2013
ERS369453 12-10736	Asia-associated Asia-associated		Europe Europe	UK France	09/02/2004 23/11/2012
ERS180141	MSM-outbreak associated	С	Europe	UK	12/05/2011
ERS369476	Africa-associated	_	Europe	UK	11/07/2011
ERS369515 AUSMDU00003038 S5	MSM-outbreak associated MSM-outbreak associated	B A	Europe Oceania	UK Australia	04/01/2013 13/02/2014
12-321	MSM-outbreak associated		Europe	France	07/01/2012
ERS369494	MSM-outbreak associated MSM-outbreak associated	C B	Europe	UK UK	25/09/2012
ERS180142 sh0342 4464346	MSM-outbreak associated Africa-associated	В	Europe Africa	South Africa	26/08/2011 14/02/2010
MS0078_2882359	Asia-associated		Asia	Vietnam	Dec-95
K-9444 11-6611	Asia-associated MSM-outbreak associated		Asia Europe	Bangladesh France	2009 08/08/2011
ERS180115	MSM-outbreak associated		Europe	UK	09/06/2010
ERS369513	MSM-outbreak associated	A	Europe	UK	24/12/2012
ERS369547 ERS369527	MSM-outbreak associated MSM-outbreak associated	A A	Europe Europe	UK UK	04/09/2013 11/02/2013
EG0006_2874369	Asia-associated		Asia	Vietnam	Jun-06
ERS180110 ERS180064	MSM-outbreak associated Africa-associated	С	Europe	UK UK	11/08/2011
ERS180064 ERS180109	Africa-associated Asia-associated		Europe Europe	UK UK	22/09/2008 11/04/2011
ERS369536	MSM-outbreak associated	A	Europe	UK	26/03/2013
ERS180090 ERS369458	MSM-outbreak associated MSM-outbreak associated		Europe Europe	UK UK	27/11/2009 10/09/2009
K-9413	Asia-associated Asia-associated		Asia	Bangladesh	2009
ERS369463	Africa-associated		Europe	UK	17/03/2010
ERS180067 ERS180081	MSM-outbreak associated Asia-associated		Europe Europe	UK UK	23/04/2010 18/08/2009
ERS369511	MSM-outbreak associated	A	Europe	UK	17/12/2012
ERS180118	MSM-outbreak associated	A	Europe	UK	17/08/2011
AUSMDU00003041_S14 ERS180126	MSM-outbreak associated Asia-associated	A	Oceania Europe	Australia UK	21/03/2014 24/08/2011
ERS369531	MSM-outbreak associated	C	Europe	UK	28/02/2013
147/13 EDC100007	MSM-outbreak associated Africa-associated	В	Europe	UK UK	18/04/2013
ERS180087 EG0257_2874375	Africa-associated Asia-associated		Europe Asia	UK Vietnam	28/03/2008 Aug-08
K-62	Asia-associated		Asia	Bangladesh	ND
ERS180102 ERS180082	MSM-outbreak associated Africa-associated		Europe Europe	UK UK	03/08/2011 27/11/2009
ERS180060	Asia-associated Asia-associated		Europe	UK	12/08/2010
ERS180149	Africa-associated		Europe	UK	07/06/2011
ERS180099 ERS372313	MSM-outbreak associated Africa-associated		Europe Europe	UK France	19/05/2010 04/03/2013
AUSMDU00003050_S18	MSM-outbreak associated	A	Oceania	Australia	08/06/2014
ERS369508	MSM-outbreak associated	A	Europe	UK	11/12/2012
AUSMDU00003042_S17 ERS180089	MSM-outbreak associated MSM-outbreak associated	A	Oceania Europe	Australia UK	07/04/2014 08/09/2009
457/13	MSM-outbreak associated	A	Europe	UK	19/06/2013
ERS180068	Asia-associated		Europe	UK	14/09/2010
ERS180129 307/13	Africa-associated MSM-outbreak associated	A	Europe Europe	UK UK	09/10/2009 20/05/2013
AUSMDU00003040_S11	MSM-outbreak associated	A	Oceania	Australia	03/03/2014
AUSMDU00003051_S21 ERS180137	MSM-outbreak associated MSM-outbreak associated	A	Oceania Europe	Australia UK	07/06/2014 21/10/2009
12-2962	MSM-outbreak associated	A	Europe	France	02/05/2012

AUSMDU00003029_S1	Asia-associated		Oceania	Australia	22/08/2007
ERS180106	MSM-outbreak associated		Europe	UK South Africa	30/12/2009
sh0341_4464345 503/13	Africa-associated MSM-outbreak associated	В	Africa Europe	South Africa UK	27/04/2010 05/06/2013
ERS369541	Africa-associated	ь	Europe	UK	30/05/2013
AUSMDU00003048 S12	MSM-outbreak associated	A	Oceania	Australia	05/06/2014
ERS369468	MSM-outbreak associated	A	Europe	UK	08/07/2010
12-070	MSM-outbreak associated	A	Europe	France	09/11/2011
ERS369529	MSM-outbreak associated	A	Europe	UK	15/02/2013
AUSMDU00003033_S13	MSM-outbreak associated	A	Oceania	Australia	02/12/2013
ERS180066	MSM-outbreak associated		Europe	UK	27/10/2009
ERS180078	MSM-outbreak associated		Europe	UK	27/06/2011
EG0198_2874374	Asia-associated		Asia	Vietnam	Mar-08
ERS180083	MSM-outbreak associated		Europe	UK	30/04/2010
ERS031795	Asia-associated		Asia	Vietnam	Dec-02
ERS180114 ERS180121	MSM-outbreak associated MSM-outbreak associated		Europe	UK UK	19/01/2010 06/10/2009
AUSMDU00003045 S3	MSM-outbreak associated	A	Europe Oceania	Australia	23/05/2014
12-2560	MSM-outbreak associated	A	Europe	France	16/04/2012
K-9522	Asia-associated	А	Asia	Bangladesh	2009
ERS369506	MSM-outbreak associated	В	Europe	UK	26/11/2012
293/13	MSM-outbreak associated	A	Europe	UK	01/05/2013
369/13B	MSM-outbreak associated	A	Europe	UK	23/04/2013
ERS369518	MSM-outbreak associated	C	Europe	UK	21/01/2013
13-1398	Outgroup		Outgroup		
ERS369525	MSM-outbreak associated	A	Europe	UK	05/02/2013
369/13A	MSM-outbreak associated	В	Europe	UK	19/03/2013
K-734 ERS372298	Asia-associated MSM-outbreak associated		Asia	Bangladesh France	1999
ERS372298 ERS369497	MSM-outbreak associated	В	Europe Europe	UK	16/01/2012 17/10/2012
592/13	MSM-outbreak associated	A	Europe	UK	07/05/2013
ERS180085	MSM-outbreak associated	А	Europe	UK	07/03/2013
ERS369535	MSM-outbreak associated	C	Europe	UK	19/03/2013
ERS369509	MSM-outbreak associated	A	Europe	UK	10/12/2012
Sh06-3638	Africa-associated		Europe	France	ND
EG0302_2874376	Asia-associated		Asia	Vietnam	Jul-06
ERS180124	MSM-outbreak associated		Europe	UK	16/11/2010
ERS180075	MSM-outbreak associated		Europe	UK	23/04/2010
K-9588	Asia-associated		Asia	Bangladesh	2009
AUSMDU00003030_S4	MSM-outbreak associated		Oceania	Australia	03/05/2008
AUSMDU00003035_S19	MSM-outbreak associated	A	Oceania	Australia	12/01/2014
351/13	MSM-outbreak associated	С	Europe	UK	25/07/2013
13-6290 K-9129	Asia-associated Asia-associated		Europe Asia	France Bangladesh	24/07/2013 2009
AUSMDU00003043 S20	MSM-outbreak associated	A	Oceania	Australia	06/04/2014
663/13	MSM-outbreak associated	А	Europe	UK	17/07/2013
ERS369498	MSM-outbreak associated		Europe	UK	18/10/2012
ERS031786	Asia-associated		Asia	Vietnam	Jun-02
ERS180071	Asia-associated		Europe	UK	21/02/2008
ERS369472	MSM-outbreak associated	A	Europe	UK	13/03/2011
ERS369542	MSM-outbreak associated	A	Europe	UK	16/07/2013
ERS180147	MSM-outbreak associated		Europe	UK	03/08/2010
548/13	MSM-outbreak associated	A	Europe	UK	16/04/2013
AUSMDU00003031_S7	Africa-associated		Oceania	Australia	02/10/2013
80-11-164-2370	Africa-associated		Oceania	Australia	13/06/2011
ERS088022 K-9454	Africa-associated		Africa	South Africa	06/05/2010
K-9434 458/13	Asia-associated MSM-outbreak associated	A	Asia Europe	Bangladesh UK	2009 06/08/2013
806/13	Africa-associated	А	Europe	UK	08/05/2013
287/13	Africa-associated		Europe	UK	01/05/2013
ERS180133	MSM-outbreak associated	A	Europe	UK	07/05/2011
K-276	Asia-associated		Asia	Bangladesh	1999
ERS369526	Asia-associated		Europe	UK	11/02/2013
ERS180092	MSM-outbreak associated	В	Europe	UK	11/10/2010
ERS369479	Asia-associated		Europe	UK	29/09/2011
K-9411	Asia-associated		Asia	Bangladesh	2009
DE0090_2868493	Asia-associated		Asia	Vietnam	May-00
AUSMDU00003052_S24	MSM-outbreak associated	A	Oceania	Australia	07/06/2014
ERS369545	MSM-outbreak associated	A	Europe	UK	20/06/2013
10-7674	Outgroup		Outgroup		
ERS180100	MSM-outbreak associated	C	Europe	UK	29/10/2010
ERS369517 11-6955	MSM-outbreak associated Africa-associated	A	Europe Europe	UK France	18/01/2013 06/08/2011
76/13	MSM-outbreak associated	С	Europe	UK	26/07/2013
ERS088047	Africa-associated	C	Africa	South Africa	05/09/2011
AUSMDU00003036 S22	MSM-outbreak associated	A	Oceania	Australia	31/01/2014
K-10248	Asia-associated		Asia	Bangladesh	2010
sh0315 4464319	Africa-associated		Africa	South Africa	25/03/2009
80-11-358-2172	Asia-associated		Oceania	Australia	24/12/2011
SF0743	MSM-outbreak associated		North America	Canada	16/07/2013
Sh05-8094	Africa-associated		Europe	France	ND
ERS369514	MSM-outbreak associated	A	Europe	UK	31/12/2012
ERS180135	MSM-outbreak associated				25/06/2008
			Europe	UK	04/10/2000
ERS372309	MSM-outbreak associated		Europe	France	06/12/2012
11-2240	MSM-outbreak associated Africa-associated		Europe Europe	France France	19/04/2011
11-2240 K-10368	MSM-outbreak associated Africa-associated Asia-associated	А	Europe Europe Asia	France France Bangladesh	19/04/2011 2010
11-2240	MSM-outbreak associated Africa-associated	A	Europe Europe Asia Oceania	France France	19/04/2011 2010 06/04/2014
11-2240 K-10368 AUSMDU00003044_S23	MSM-outbreak associated Africa-associated Asia-associated MSM-outbreak associated	A C	Europe Europe Asia Oceania Europe	France France Bangladesh Australia	19/04/2011 2010
11-2240 K-10368 AUSMDU00003044_S23 10-1295	MSM-outbreak associated Africa-associated Asia-associated MSM-outbreak associated Africa-associated		Europe Europe Asia Oceania	France France Bangladesh Australia France	19/04/2011 2010 06/04/2014 26/02/2010
11-2240 K-10368 AUSMDU00003044_S23 10-1295 80-13-058-4645	MSM-outbreak associated Africa-associated Asia-associated MSM-outbreak associated Africa-associated MSM-outbreak associated	С	Europe Europe Asia Oceania Europe Oceania	France France Bangladesh Australia France Australia	19/04/2011 2010 06/04/2014 26/02/2010 27/02/2013
11-2240 K-10368 AUSMDU00003044_S23 10-1295 80-13-058-4645 ERS180117	MSM-outbreak associated Africa-associated Asia-associated MSM-outbreak associated Africa-associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated	С	Europe Europe Asia Oceania Europe Oceania Europe	France France Bangladesh Australia France Australia UK	19/04/2011 2010 06/04/2014 26/02/2010 27/02/2013 11/04/2011
11-2240 K-10368 AUSMDU00003044_S23 10-1295 80-13-058-4645 ERS180117 ERS180127 ERS369503 136/13	MSM-outhreak associated Africa-associated Asia-associated MSM-outhreak associated MSM-outhreak associated MSM-outhreak associated MSM-outhreak associated MSM-outhreak associated MSM-outhreak associated MSM-outhreak associated	c c c	Europe Europe Asia Oceania Europe Oceania Europe Europe Europe Europe Europe	France France Bangladesh Australia France Australia UK UK UK UK UK	19/04/2011 2010 06/04/2014 26/02/2010 27/02/2013 11/04/2011 11/06/2008 13/11/2012 10/05/2013
11-2240 K-10368 AUSMDU00003044_S23 10-1295 80-13-058-4645 ERS180117 ERS180127 ERS369503 136/13 ERS369495	MSM-outbreak associated Africa-associated Asia-associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated	c c	Europe Europe Asia Oceania Europe Oceania Europe Europe Europe Europe Europe Europe Europe	France France Bangladesh Australia France Australia UK UK UK UK UK UK	19/04/2011 2010 06/04/2014 26/02/2010 27/02/2013 11/04/2011 11/06/2008 13/11/2012 10/05/2013 27/09/2012
11-2240 K-10368 AUSMDU00003044_S23 10-1295 80-13-058-4645 ERS180117 ERS180127 ERS369503 136/13 ERS369495 80-12-110-4516	MSM-outbreak associated Africa-associated Africa-associated Africa-associated MSM-outbreak associated ASM-outbreak associated MSM-outbreak associated	c c c	Europe Europe Asia Oceania Europe Oceania Europe Europe Europe Europe Europe Europe Oceania	France France Bangladesh Australia France Australia UK UK UK UK UK Australia	19/04/2011 2010 06/04/2014 26/02/2010 27/02/2013 11/04/2011 11/06/2008 13/11/2012 10/05/2013 27/09/2012 19/04/2012
11-2240 K-10368 AUSMDLU00003044_S23 10-1295 80-13-058-4645 ERS180117 ERS180127 ERS369503 136/13 ERS369495 80-12-110-4516 80-12-011-3999	MSM-outhreak associated Africa-associated Africa-associated Africa-associated MSM-outhreak associated ASM-outhreak associated Asia-associated Asia-associated Asia-associated	c c c	Europe Asia Oceania Europe Oceania Europe Europe Europe Europe Europe Europe Oceania Oceania Oceania	France France Bangladesh Australia France Australia UK UK UK UK UK AUSTRAIIA	19/04/2011 2010 06/04/2014 26/02/2010 27/02/2013 11/04/2011 11/06/2008 13/11/2012 10/05/2013 27/09/2012 19/04/2012 11/01/2012
11-2240 K-10368 AUSMDU00003044_S23 10-1295 80-13-058-4645 ERS180117 ERS180127 ERS369503 136/13 ERS36945 80-12-110-4516 80-12-011-3999 Sh08-3483	MSM-outbreak associated Asia-associated Asia-associated Asia-associated Asia-associated MSM-outbreak associated Asia-associated Asia-associated Asia-associated Asia-associated Asia-associated Asia-associated MSM-outbreak associated	c c c	Europe Europe Asia Oceania Europe Oceania Europe Europe Europe Europe Europe Europe Europe Cocania Oceania Latin America	France France Bangladesh Australia France Australia UK UK UK UK UK TH UK UK UK UK UK TH UK UK UK UK UK UK UK TH UK UK UK TH UK TH UK Australia	19/04/2011 2010 06/04/2014 26/02/2010 27/02/2013 11/04/2011 11/06/2008 13/11/2012 10/05/2013 27/09/2012 19/04/2012 11/01/2012 08/05/2008
11-2240 K-10368 AUSMDU00003044_S23 10-1295 80-13-058-4645 ERS180117 ERS180127 ERS369503 136/13 ERS360495 80-12-110-4516 80-12-011-3999 Sh08-3483 ERS180056	MSM-outbreak associated Africa-associated Africa-associated Africa-associated MSM-outbreak associated Asia-associated Asia-associated MSM-outbreak associated MSM-outbreak associated	c c c	Europe Europe Asia Oceania Europe Oceania Europe	France France France Bangladesh Australia France Australia UK UK UK UK UK Australia Australia Australia Australia	19/04/2011 2010 06/04/2014 26/02/2010 27/02/2013 31/04/2011 11/06/2008 33/11/2012 10/05/2013 27/09/2012 11/01/2012 08/05/2008 03/09/2008
11-2240 K-10368 AUSMDU00003044_S23 10-1295 80-13-058-4645 ERS180117 ERS180127 ERS369503 136/13 ERS369495 80-12-110-4516 80-12-011-3999 Sh08-3483 ERS180056 ERS369477	MSM-outbreak associated Africa-associated Asia-associated Asia-associated Asia-associated MSM-outbreak associated Asia-associated Asia-associated Asia-associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated	C C C C A	Europe Asia Oceania Europe Oceania Europe Oceania Latin America Europe Europe	France France Bangladesh Australia France Australia UK UK UK UK UK UK UK Australia Australia French Guiana UK UK	19/04/2011 2010 06/04/2014 26/02/2010 27/02/2013 11/04/2011 11/06/2008 13/11/2012 10/05/2013 27/09/2012 19/04/2012 11/01/2012 08/05/2008 03/09/2008 02/08/2011
11-2240 K-10368 AUSMDU00003044_S23 10-1295 80-13-058-4645 ERS180117 ERS180127 ERS369503 136/13 ERS360495 80-12-110-4516 80-12-011-3999 Sh08-3483 ERS180056	MSM-outbreak associated Africa-associated Africa-associated Africa-associated MSM-outbreak associated Asia-associated Asia-associated MSM-outbreak associated Asia-associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated Africa-associated MSM-outbreak associated	C C C C A	Europe Asia Oceania Europe Oceania Europe	France Bangladesh Australia France Australia UK UK UK UK Australia Australia Australia Australia UK	19/04/2011 2010 06/04/2014 26/02/2010 27/02/2013 31/04/2011 11/06/2008 33/11/2012 10/05/2013 27/09/2012 11/01/2012 08/05/2008 03/09/2008
11-2240 K-10368 AUSMDU00003044_S23 10-1295 80-13-058-4645 ERS180117 ERS180127 ERS369503 136/13 ERS369495 80-12-104-4516 80-12-011-3999 Sl008-3483 ERS180036 ERS369477 ERS369544	MSM-outbreak associated Africa-associated Asia-associated Asia-associated Asia-associated MSM-outbreak associated Asia-associated Asia-associated Asia-associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated	C C C C A	Europe Asia Oceania Europe Oceania Europe Oceania Latin America Europe Europe Europe Europe Europe Europe	France France Bangladesh Australia France Australia UK UK UK UK UK UK UK Australia Australia French Guiana UK UK	19/04/2011 2010 06/04/2014 26/02/2010 27/02/2013 11/04/2011 11/06/2008 13/11/2012 10/05/2013 27/09/2012 11/01/2012 08/05/2008 03/09/2008 02/08/2011 15/08/2013
11-2240 K-10368 AUSMDU00003044_S23 10-1295 10-1295 80-13-058-4645 ERS180117 ERS180127 ERS369503 136/13 ERS369495 80-12-110-4516 80-12-011-3999 Sh08-3483 ERS180056 ERS369477 ERS369544 443/13	MSM-outbreak associated Africa-associated Africa-associated Africa-associated MSM-outbreak associated	C C C C A	Europe Asia Oceania Europe Oceania Europe	France Bangladesh Australia France Australia France Australia UK	19/04/2011 2010 06/04/2014 26/02/2010 27/02/2013 11/04/2011 11/06/2008 13/11/2012 10/05/2013 27/09/2012 19/04/2012 11/01/2012 08/05/2008 02/08/2011 15/08/2013 27/03/2013 27/03/2013 27/03/2013 22/08/2012
11-2240 K-10368 AUSMDU00003044_S23 10-1295 80-13-058-4645 ERS180117 ERS180127 ERS369503 136/13 ERS369495 80-12-11-04-516 80-12-011-3999 S1003-3483 ERS180056 ERS369477 ERS369544 443/13 12-6716	MSM-outbreak associated Africa-associated Asia-associated Asia-associated Asia-associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated Asia-associated Asia-associated Asia-associated Asia-associated MSM-outbreak associated	C C C C A	Europe Asia Oceania Europe Oceania Europe Oceania Latin America Europe Europe Europe Europe Europe Europe	France Bangladesh Australia France Australia UK Australia Australia French Guiana UK UK UK	19/04/2011 2010 06/04/2014 26/02/2010 17/02/2013 11/04/2011 11/06/2008 13/11/2012 10/05/2013 27/09/2012 19/04/2012 11/01/2012 08/05/2008 02/08/2011 15/08/2013 27/09/2013
11-2240 K-10368 AUSMDLU00003044_S23 10-1295 10-1295 80-13-058-4645 ERS180117 ERS180127 ERS369503 136/13 ERS369495 80-12-110-4516 80-12-011-3999 \$N08-3483 ERS180056 ERS369477 ERS369474 443/13 12-6716 ERS180097	MSM-outbreak associated Africa-associated Africa-associated Africa-associated MSM-outbreak associated Asia-associated Asia-associated MSM-outbreak associated Africa-associated Africa-associated MSM-outbreak associated Africa-associated Africa-associated Africa-associated Asia-associated Asia-associated Asia-associated	C C C C A	Europe Asia Oceania Europe Oceania Europe Uceania Latin America Europe	France Bangladesh Australia France Australia UK	19/04/2011 2010 06/04/2014 26/02/2010 27/02/2013 11/04/2011 11/06/2008 13/11/2012 10/05/2013 27/09/2012 11/01/2012 08/05/2008 03/09/2008 02/08/2011 15/08/2013 27/03/2013 22/08/2011 23/09/2009
11-2240 K-10368 AUSMDU00003044_S23 10-1295 80-13-058-4645 ERS180117 ERS180127 ERS369503 136/13 ERS369495 80-12-110-4516 80-12-011-3999 S1003-3483 ERS180056 ERS369477 ERS369544 443/13 12-6716 ERS180097 11-820	MSM-outbreak associated Africa-associated Asia-associated Asia-associated Asia-associated Africa-associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated Asia-associated Asia-associated Asia-associated MSM-outbreak associated Asia-associated Asia-associated MSM-outbreak associated MSM-outbreak associated Africa-associated MSM-outbreak associated Africa-associated Africa-associated Africa-associated Asia-associated Asia-associated Asia-associated Asia-associated Asia-associated Asia-associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated	C C C C A	Europe Asia Oceania Europe Oceania Europe	France France Bangladesh Australia France Australia UK UK UK UK Australia Australia French Guiana French Guiana UK UK Australia French Guiana UK	19/04/2011 2010 06/04/2014 26/02/2010 11/04/2011 11/06/2008 13/11/2012 10/05/2013 27/09/2012 19/04/2012 11/01/2012 08/05/2008 03/09/2008 02/08/2011 15/08/2013 22/08/2012 23/09/2010 23/09/2010 23/09/2010 23/09/2010 23/09/2010
11-2240 K-10368 AUSMDU00003044_S23 10-1295 10-1295 10-1308-4645 ERS180117 ERS180117 ERS180127 ERS369503 136/13 ERS369495 80-12-110-4516 80-12-011-3999 Sh08-3483 ERS180056 ERS369477 ERS369544 443/13 12-6716 ERS180097 11-820 10-7290	MSM-outbreak associated Africa-associated Africa-associated Africa-associated MSM-outbreak associated Asia-associated Asia-associated Asia-associated MSM-outbreak associated MSM-outbreak associated Africa-associated Africa-associated Africa-associated Asia-associated	C C C C A A	Europe Asia Oceania Europe Oceania Europe	France Bangladesh Australia France Australia UK UK UK UK Australia Australia Australia Australia UK	19/04/2011 2010 06/04/2014 26/02/2010 27/02/2013 11/04/2011 11/06/2008 13/11/2012 10/05/2013 27/09/2012 19/04/2012 11/01/2012 08/05/2008 02/08/2011 15/08/2013 27/03/2013 27/03/2013 27/03/2013 27/03/2013 22/08/2012 23/09/2009 06/02/2011 23/09/2010
11-2240 K-10368 AUSMDU00003044_S23 10-1295 10-1295 S0-13-058-4645 ERS180117 ERS180117 ERS180127 ERS369503 136/13 ERS369495 80-12-110-4516 80-12-011-3999 Sh08-3483 ERS180056 ERS369477 ERS369544 443713 12-6716 ERS180097 11-820 10-7290 ERS369504 ERS369504 ERS369508 Sh07-4848	MSM-outbreak associated Africa-associated Asia-associated Asia-associated Asia-associated Africa-associated MSM-outbreak associated Asia-associated Asia-associated Asia-associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated Asia-associated Asia-associated Asia-associated Asia-associated Asia-associated Asia-associated Asia-associated Asia-associated Asia-associated MSM-outbreak associated Asia-associated Asia-associated Asia-associated MSM-outbreak associated Asia-associated Asia-associated Asia-associated Asia-associated Asia-associated Asia-associated Asia-associated Asia-associated	C C C A A B B A	Europe Asia Oceania Europe Oceania Europe	France Bangladesh Australia France Australia France Australia UK UK UK UK UK Australia French Guiana French Guiana UK	19/04/2011 2010 06/04/2014 26/02/2010 17/02/2013 11/04/2011 11/06/2008 13/11/2012 10/05/2013 27/09/2012 19/04/2012 11/01/2012 08/05/2008 02/08/2011 15/08/2013 27/03/2013 22/08/2012 23/09/2009 06/02/2011 23/09/2010 25/11/2012 12/04/2013 ND
11-2240 K-10368 AUSMDU00003044_S23 10-1295 10-1295 10-13058-4645 ERS180117 ERS180127 ERS369503 136/13 ERS369495 80-12-110-4516 80-12-011-3999 Sl003-3483 ERS180036 ERS369477 ERS369544 443/13 12-6716 ERS180097 11-820 10-7290 ERS369538 Sh07-4848 ERS369538	MSM-outbreak associated Africa-associated Africa-associated Africa-associated MSM-outbreak associated Asia-associated Asia-associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated Asia-associated Asia-associated Asia-associated Asia-associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated Africa-associated Africa-associated Africa-associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated	C C C A A B	Europe Asia Oceania Europe Oceania Europe	France Bangladesh Australia France Australia France Australia UK	19/04/2011 2010 06/04/2014 26/02/2010 27/02/2013 11/04/2011 11/06/2008 13/11/2012 10/05/2013 27/09/2012 19/04/2012 11/01/2012 08/05/2008 02/08/2011 15/08/2013 27/03/2013 22/08/2011 23/09/2009 06/02/2011 23/09/2010 25/11/2012 12/04/2013 ND 04/04/2013
11-2240 K-10368 AUSMDLU00003044_S23 10-1295 10-1295 80-13-058-4645 ERS180117 ERS180117 ERS180127 ERS369503 136/13 ERS369495 80-12-110-4516 80-12-011-3999 \$N08-3483 ERS180056 ERS369477 ERS369477 ERS369544 443/13 12-6716 ERS180097 11-820 10-7290 ERS369504 ERS369504 ERS369538 SN07-4848 ERS369537 K-9339	MSM-outbreak associated Africa-associated Asia-associated Asia-associated Africa-associated Africa-associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated Asia-associated Asia-associated Asia-associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated Africa-associated Asia-associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated Africa-associated Asia-associated Asia-associa	C C C A A B B A	Europe Asia Oceania Europe Oceania Europe	France France Bangladesh Australia France Australia UK UK UK UK UK UK Australia French Guiana UK UK UK UK Australia French Guiana UK	19/04/2011 2010 06/04/2014 26/02/2010 27/02/2013 11/04/2011 11/06/2008 13/11/2012 10/05/2013 27/09/2012 11/01/2012 08/05/2008 03/09/2008 02/08/2011 15/08/2013 27/03/2013 22/08/2012 23/09/2009 06/02/2011 23/09/2010 25/11/2012 12/04/2013 ND 04/04/2013 2009
11-2240 K-10368 AUSMDU00003044_S23 10-1295 10-1295 10-1295 10-1295 10-1295 136/13 ERS180117 ERS180127 ERS369503 136/13 ERS369495 80-12-110-4516 80-12-011-3999 S100-3-483 ERS180056 ERS369477 ERS369544 443/13 12-6716 ERS180097 11-820 10-7290 ERS369548 ERS369538 S807-4848 ERS369537 K-3339 ERS369510	MSM-outbreak associated Africa-associated Asia-associated Asia-associated Africa-associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated Asia-associated Asia-associated Asia-associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated Asia-associated Asia-associated Asia-associated Asia-associated Asia-associated MSM-outbreak associated MSM-outbreak associated Asia-associated	C C C A A B A A A	Europe Asia Oceania Europe Oceania Europe	France Bangladesh Australia France Australia France Australia UK UK UK UK UK Australia Australia Australia Australia French Guiana UK	19/04/2011 2010 06/04/2014 26/02/2010 27/02/2013 11/04/2011 11/06/2008 13/11/2012 10/05/2013 27/09/2012 19/04/2012 11/01/2012 08/05/2008 02/08/2011 15/08/2013 27/03/2013 22/08/2011 23/09/2009 06/02/2011 23/09/2010 25/11/2012 12/04/2013 ND 04/04/2013 2009 13/12/2012
11-2240 K-10368 AUSMDU00003044_S23 10-1295 10-1295 80-13-058-4645 ERS180117 ERS180117 ERS180127 ERS369503 136/13 ERS369495 80-12-110-4516 80-12-011-3999 Sh08-3483 ERS180056 ERS369477 ERS369477 ERS369544 443/13 12-6716 ERS180097 11-820 10-7290 ERS369504 ERS369535 Sh07-4848 ERS369537 K-9339 ERS369510 84/13	MSM-outbreak associated Africa-associated Asia-associated Asia-associated Asia-associated Africa-associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated Asia-associated Asia-associated Asia-associated Asia-associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated Africa-associated Asia-associated	C C C A A B B A	Europe Asia Oceania Europe Oceania Europe	France France Bangladesh Australia France Australia UK	19/04/2011 2010 06/04/2014 26/02/2010 06/04/2014 26/02/2010 17/02/2013 11/04/2011 11/06/2008 13/11/2012 19/04/2012 19/04/2012 19/04/2012 11/01/2012 08/05/2008 02/08/2011 15/08/2013 27/03/2013 22/08/2012 23/09/2009 06/02/2011 23/09/2010 25/11/2012 12/04/2013 ND 04/04/2013 2009 13/12/2012 12/07/2013
11-2240 K-10368 AUSMDU00003044_S23 10-1295 80-13-058-4645 ERS180117 ERS180127 ERS369503 136/13 ERS369495 80-12-110-4516 80-12-011-3999 S1003-3483 ERS180056 ERS369477 ERS369544 443/13 12-6716 ERS180097 11-820 10-7290 ERS369538 Sh07-4848 ERS369537 K-9339 ERS369537 K-9339 ERS369510 84/13 ERS180120	MSM-outbreak associated Asia-associated Asia-associated Asia-associated Asia-associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated Asia-associated Asia-associated Asia-associated Asia-associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated Asia-associated Asia-associated Asia-associated Asia-associated MSM-outbreak associated	C C C A A B B A A A A	Europe Asia Oceania Europe Oceania Europe	France Bangladesh Australia France Australia France Australia UK UK UK UK UK Australia Australia Australia Australia French Guiana UK	19/04/2011 2010 06/04/2014 26/02/2010 27/02/2013 11/04/2011 11/06/2008 13/11/2012 11/06/2013 27/09/2012 11/01/2012 08/05/2008 02/08/2011 15/08/2013 27/03/2013 27/03/2013 22/08/2011 23/09/2009 06/02/2011 23/09/2010 25/11/2012 12/04/2013 2009 13/12/2013 2009 13/12/2012 12/04/2013 2009 13/12/2012 12/04/2013 2009 13/12/2012
11-2240 K-10368 AUSMDU00003044_S23 10-1295 10-1295 10-13058-4645 ERS180117 ERS180127 ERS369503 136/13 ERS369495 80-12-110-4516 80-12-011-3999 Sh08-3-483 ERS180036 ERS369477 ERS369544 443/13 12-6716 ERS180097 11-820 10-7290 ERS369504 ERS369504 ERS369503 Sh07-4848 ERS369510 ERS369510 84/13 ERS180120 ERS369510 ERS369510 ERS369510 ERS369501	MSM-outbreak associated Africa-associated Africa-associated Africa-associated MSM-outbreak associated Asia-associated Asia-associated MSM-outbreak associated Africa-associated MSM-outbreak associated Africa-associated MSM-outbreak associated MSM-outbreak associated Asia-associated Asia-associated Asia-associated Asia-associated Asia-associated MSM-outbreak associated Asia-associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated Asia-associated Asia-associated Asia-associated Asia-associated Asia-associated MSM-outbreak associated	C C C A A B A A A	Europe Asia Oceania Europe Oceania Europe	France Bangladesh Australia France Australia France Australia UK UK UK UK Australia Australia Australia Australia French Guiana UK	19/04/2011 2010 06/04/2014 26/02/2010 06/04/2014 26/02/2010 17/02/2013 11/04/2011 11/06/2008 13/11/2012 19/04/2012 11/01/2012 08/05/2008 02/08/2011 15/08/2013 27/03/2013 22/08/2011 23/09/2009 06/02/2011 23/09/2009 06/02/2011 23/09/2010 25/11/2012 12/04/2013 ND 04/04/2013 2009 13/12/2012 12/07/2013 24/02/2009 25/02/2013
11-2240 K-10368 AUSMDL000003044_S23 10-1295 10-1295 S0-13-058-4645 ERS180117 ERS180117 ERS180127 ERS369503 136/13 ERS369495 80-12-110-4516 80-12-011-3999 Sh08-3483 ERS180056 ERS369477 ERS369544 443713 12-6716 ERS180097 11-820 10-7290 ERS369504 ERS369504 ERS369538 Sh07-4848 ERS369537 K-93939 ERS369510 84/13 ERS180120 ERS369510 84/13 ERS180120 ERS369550 Sh05-0787	MSM-outbreak associated Africa-associated Asia-associated Asia-associated Asia-associated Africa-associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated Asia-associated Asia-associated Asia-associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated Asia-associated Africa-associated Africa-associated Africa-associated Africa-associated Asia-associated Asia-associated Asia-associated Asia-associated MSM-outbreak associated Asia-associated Asia-associated MSM-outbreak associated Asia-associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated	C C C A A B B A A A B B	Europe Asia Oceania Europe Oceania Europe	France France Bangladesh Australia France Australia UK UK UK UK UK Australia French Guiana UK UK UK UK Australia French Guiana UK	19/04/2011 2010 06/04/2014 26/02/2010 17/02/2013 11/04/2011 11/06/2008 13/11/2012 10/05/2013 27/09/2012 19/04/2012 11/01/2012 08/05/2008 02/08/2011 15/08/2013 27/08/2013 27/08/2013 22/08/2011 23/09/2009 06/02/2011 23/09/2010 25/11/2012 12/04/2013 ND 04/04/2013 2009 13/12/2012 12/07/2013 24/02/2009 25/02/2013
11-2240 K-10368 AUSMDU00003044_S23 10-1295 80-13-058-4645 ERS180117 ERS180127 ERS369503 136/13 ERS369495 80-12-101-4316 80-12-011-3999 Sh08-3-483 ERS180036 ERS369477 ERS369544 443/13 12-6716 ERS180097 11-820 10-7290 ERS369544 443/13 12-6716 ERS180097 11-820 10-7290 ERS369537 K-9339 ERS369504 ERS369518 Sh07-4848 ERS369537 K-9339 ERS369510 84/13 ERS180120 ERS369530 Sh05-0787 AUSMDU00003047_S9	MSM-outbreak associated Africa-associated Africa-associated Africa-associated MSM-outbreak associated Asia-associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated Africa-associated Africa-associated Africa-associated Africa-associated MSM-outbreak associated Africa-associated Asia-associated MSM-outbreak associated MSM-outbreak associate	C C C A A B B A A A A	Europe Asia Oceania Europe Oceania Europe	France Bangladesh Australia France Australia France Australia UK UK UK UK UK Australia Australia Australia Australia French Guiana UK France UK UK Australia Australia	19/04/2011 2010 06/04/2014 26/02/2010 06/04/2014 26/02/2010 17/02/2013 11/04/2011 11/06/2008 13/11/2012 19/04/2012 11/01/2012 08/05/2008 02/08/2011 15/08/2013 27/03/2013 27/03/2013 22/08/2011 23/09/2009 06/02/2011 23/09/2009 25/01/2012 12/04/2013 ND 04/04/2013 2009 21/12/2012 12/07/2013 21/07/2013 2009 25/02/2013 ND 04/04/2013 2009 25/02/2013 ND 02/06/2014
11-2240 K-10368 AUSMDL00003044_S23 10-1295 10-1295 80-13-058-4645 ERS180117 ERS180117 ERS180127 ERS369503 136/13 ERS369495 80-12-110-4516 80-12-011-3999 Sh08-3483 ERS180056 ERS369477 ERS369477 ERS369477 ERS369511 1-820 10-7290 ERS369544 443/13 12-6716 ERS180097 11-820 10-7290 ERS369504 ERS369518 Sh07-4848 ERS369537 K-9339 ERS369510 84/13 ERS180120 ERS369530 Sh05-0787 AUSMDL000003047_S9 ERS180008	MSM-outbreak associated Africa-associated Asia-associated Asia-associated Africa-associated Africa-associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated Asia-associated Asia-associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated Asia-associated MSM-outbreak associated Asia-associated Asia-associated MSM-outbreak associated MSM-outbreak MSM-outbreak associated MSM-outbreak associ	C C C A A B B A A B B A A	Europe Asia Oceania Europe Oceania Europe	France Bangladesh Australia France Australia France Australia UK UK UK UK UK Australia French Guiana UK	19/04/2011 2010 06/04/2014 26/02/2010 06/04/2014 26/02/2013 11/04/2011 11/06/2008 13/11/2012 10/05/2013 27/09/2012 11/01/2012 08/05/2008 02/08/2011 15/08/2013 27/03/2013 22/08/2011 23/09/2010 25/11/2012 12/04/2013 ND 04/04/2013 ND 04/04/2013 2009 13/12/2012 12/04/2013 ND 02/06/2014 24/12/2009
11-2240 K-10368 AUSMDU00003044_S23 10-1295 80-13-058-4645 ERS180117 ERS180127 ERS369503 136/13 ERS369495 80-12-101-4316 80-12-011-3999 Sh08-3-483 ERS180036 ERS369477 ERS369544 443/13 12-6716 ERS180097 11-820 10-7290 ERS369544 443/13 12-6716 ERS180097 11-820 10-7290 ERS369537 K-9339 ERS369504 ERS369518 Sh07-4848 ERS369537 K-9339 ERS369510 84/13 ERS180120 ERS369530 Sh05-0787 AUSMDU00003047_S9	MSM-outbreak associated Africa-associated Africa-associated Africa-associated MSM-outbreak associated Asia-associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated MSM-outbreak associated Africa-associated Africa-associated Africa-associated Africa-associated MSM-outbreak associated Africa-associated Asia-associated MSM-outbreak associated MSM-outbreak associate	C C C A A B B A A A B B	Europe Asia Oceania Europe Oceania Europe	France Bangladesh Australia France Australia France Australia UK UK UK UK UK Australia Australia Australia Australia French Guiana UK France UK UK Australia Australia	19/04/2011 2010 06/04/2014 26/02/2010 06/04/2014 26/02/2010 17/02/2013 11/04/2011 11/06/2008 13/11/2012 19/04/2012 11/01/2012 08/05/2008 02/08/2011 15/08/2013 27/03/2013 27/03/2013 22/08/2011 23/09/2009 06/02/2011 23/09/2009 25/01/2012 12/04/2013 ND 04/04/2013 2009 21/12/2012 12/07/2013 21/07/2013 2009 25/02/2013 ND 04/04/2013 2009 25/02/2013 ND 02/06/2014

K-9375	Asia-associated		Asia	Bangladesh	2009
ERS180073	Asia-associated		Europe	UK	31/07/2009
ERS180113	Asia-associated		Europe	UK	30/09/2009
106/13	MSM-outbreak associated	A	Europe	UK	11/06/2013
ERS088049	Africa-associated		Africa	South Africa	26/05/2011
ERS180057	Africa-associated		Europe	UK	20/05/2009
12-1897	MSM-outbreak associated		Europe	France	17/03/2012
Sh09-4409	Africa-associated		Europe	France	ND
K-9278	Asia-associated		Asia	Bangladesh	2009
ERS180104	Africa-associated		Europe	UK	21/01/2009
AUSMDU00003032 S10	MSM-outbreak associated	A	Oceania	Australia	30/11/2013
627/13	MSM-outbreak associated	c	Europe	UK	30/07/2013
368/13	MSM-outbreak associated	С	Europe	UK	20/06/2013
ERS369460	MSM-outbreak associated		Europe	UK	04/02/2010
AUSMDU00003034 S16	MSM-outbreak associated	A	Oceania	Australia	21/12/2013
ERS180061	MSM-outbreak associated	В	Europe	UK	18/02/2011
ERS180077	MSM-outbreak associated		Europe	UK	04/03/2011
					24/07/2013
388/13	MSM-outbreak associated	C	Europe	UK	
K-10343	Asia-associated		Asia	Bangladesh	2010
ERS087995	Africa-associated		Africa	South Africa	21/10/2009
ERS180145	MSM-outbreak associated		Europe	UK	26/10/2009
ERS369475	MSM-outbreak associated		Europe	UK	08/06/2011
				OK	00/00/2011
5/63	Outgroup		Outgroup		
ERS369493	MSM-outbreak associated	С	Europe	UK	13/09/2012
ERS180112	Africa-associated		Europe	UK	19/02/2009
ERS369521	MSM-outbreak associated	A	Europe	UK	21/01/2013
ERS369462	MSM-outbreak associated		Europe	UK	03/03/2010
	Africa-associated				
Sh07-4943			Europe	France	ND
ERS180076	MSM-outbreak associated		Europe	UK	16/09/2010
179/13	MSM-outbreak associated	A	Europe	UK	25/03/2013
217/13	MSM-outbreak associated	C	Europe	UK	07/06/2013
ERS180150	MSM-outbreak associated		Europe	UK	29/09/2011
ERS031772	Asia-associated		Asia	Vietnam	
					Sep-00
ERS180131	MSM-outbreak associated		Europe	UK	05/07/2010
11-632	MSM-outbreak associated		Europe	France	29/01/2011
ERS180107	MSM-outbreak associated		Europe	UK	26/05/2010
ERS369470	MSM-outbreak associated		Europe	UK	25/10/2010
	MSM-outbreak associated	A		France	27/05/2013
13-3909			Europe		
ERS369519	MSM-outbreak associated	В	Europe	UK	21/01/2013
ERS369512	Africa-associated		Europe	UK	24/12/2012
10-2493	MSM-outbreak associated		Latin America	French Guiana	24/04/2010
ERS180070	MSM-outbreak associated		Europe	UK	20/06/2011
80-12-339-4617	Asia-associated		Oceania	Australia	04/12/2012
ERS369539	MSM-outbreak associated	A	Europe	UK	23/04/2013
ERS088050	Africa-associated		Africa	South Africa	25/07/2011
ERS180125	Asia-associated		Europe	UK	07/05/2011
ERS180146	MSM-outbreak associated		Europe	UK	16/04/2010
K-9169	Asia-associated		Asia	Bangladesh	2009
ERS180101	MSM-outbreak associated		Europe	UK	05/04/2011
ERS180079	MSM-outbreak associated		Europe	UK	27/02/2008
AUSMDU00003049 S15	MSM-outbreak associated	A	Oceania	Australia	08/06/2014
AUSMDU00003046_S6	MSM-outbreak associated	A	Oceania	Australia	26/05/2014
ERS369499	Africa-associated		Europe	UK	22/10/2012
		D.			
285/13	MSM-outbreak associated	В	Europe	UK	01/05/2013
sh0313_4464317	Africa-associated		Africa	South Africa	27/01/2009
ERS180091	Asia-associated		Europe	UK	18/05/2010
ERS369461	MSM-outbreak associated		Europe	UK	22/02/2010
ERS369516	MSM-outbreak associated	С	Europe	UK	07/01/2013
	MSM-outbreak associated			UK	
198/13		A	Europe		14/06/2013
ERS369457	Asia-associated		Europe	UK	14/03/2009
ERS180095	MSM-outbreak associated		Europe	UK	25/03/2008
ERS180122	MSM-outbreak associated		Europe	UK	21/01/2010
414/13	MSM-outbreak associated	A	Europe	UK	16/07/2013
ERS180084	Africa-associated			UK	13/10/2010
ERS180084 ERS180143	MSM-outbreak associated		Europe		
			Europe	UK	21/07/2008
ERS369520	MSM-outbreak associated	В	Europe	UK	21/01/2013
ERS180134	MSM-outbreak associated		Europe	UK	24/08/2011
ERS180108	Asia-associated		Europe	UK	05/11/2010
K-9256	Asia-associated		Asia	Bangladesh	2009
ERS369500	MSM-outbreak associated		Europe	UK	26/10/2012
ERS180132	MSM-outbreak associated		Europe	UK	01/12/2010
09-9039	MSM-outbreak associated		Latin America	French Guiana	07/11/2009
ERS180074	MSM-outbreak associated		Europe	UK	09/11/2009
ERS369523	Asia-associated		Europe	UK	29/01/2013
				UK	
ERS180094	MSM-outbreak associated		Europe		28/07/2011
201/13	Africa-associated		Europe	UK	14/06/2013
ERS180055	MSM-outbreak associated		Europe	UK	12/02/2008
ERS180069	Asia-associated		Europe	UK	25/02/2011
ERS180144	MSM-outbreak associated		Europe	UK	20/04/2009
ERS180072	MSM-outbreak associated		Europe	UK	23/09/2008
10262_2868448	Asia-associated		Asia	Vietnam	Feb-10
ERS180140	MSM-outbreak associated		Europe	UK	22/01/2011
ERS031757	Asia-associated		Asia	Vietnam	Apr-00
ERS180088	MSM-outbreak associated		Europe	UK	14/10/2008
ERS369502	Asia-associated		Europe	UK	31/10/2012
05-11-032-2299	Africa-associated	_	Oceania	Australia	01/02/2011
237/13	MSM-outbreak associated	С	Europe	UK	05/07/2013
SF7955	MSM-outbreak associated	A	North America	Canada	06/08/2013
290/13	MSM-outbreak associated	C	Europe	UK	03/04/2013
447/13	MSM-outbreak associated	c	Europe	UK	02/08/2013
204/13	MSM-outbreak associated			UK	
		A	Europe		25/04/2013
SF7787	MSM-outbreak associated	A	North America	Canada	18/09/2013
ERS180119	MSM-outbreak associated		Europe	UK	06/06/2008
					

Sample name	Patient Age	Patient Gender	Recent patient travel	Region travelled to	Country travelled to	Sample name	Further patient Sexuality
ERS180138 228/13	45 - 49 40 - 44	M M	None None			ERS180138 228/13	
ERS369546	25 - 29	M	None			ERS369546	
ERS369533	40 - 44	M	Unknown			ERS369533	Heterosexual
ERS369501 ERS369492	25 - 29 20 - 24	M F	None None			ERS369501 ERS369492	MSM
ERS180111	25 - 29	M	Unknown			ERS180111	
13-6754	30 - 34	M	None			13-6754	1004
ERS369507 ERS180128	30 - 34 45 - 49	M M	Unknown Yes	Africa	Uganda	ERS369507 ERS180128	MSM
ERS369522	30 - 34	M	Unknown		. 5	ERS369522	MSM
AUSMDU00003039_S8	0.5	M	Unknown			AUSMDU00003039_S8	
ERS088023 11-719	0 - 5 70 - 75	F F	Unknown Yes	Asia	India	ERS088023 11-719	
sh0368_4464372	25 - 29	F	Unknown	2 1.5111	man.	sh0368_4464372	
ERS180059	45 - 49	M	None			ERS180059	
ERS180086 ERS180063	20 - 24 35 - 39	M M	Yes Unknown	Asia	India	ERS180086 ERS180063	
ERS180139	30 - 34	M	None			ERS180139	
ERS180058	50 - 54	M	None			ERS180058	1004
ERS369534 214/13	45 - 49 35 - 39	M M	None None			ERS369534 214/13	MSM
ERS088048	0 - 5	F	Unknown			ERS088048	
80-12-224-2372 ED0240505	50 - 54	M	Unknown			80-12-224-2372 EDC240505	MeM
ERS369505 10-2529	50 - 54	M M	Unknown Unknown			ERS369505 10-2529	MSM
ERS180080	15 - 19	M	Unknown			ERS180080	
sh0343_4464347	25 - 29	F	Unknown			sh0343_4464347	
11-278 695/13	40 - 44 70 - 75	M M	None Unknown			11-278 695/13	
Sh08-0350	70-75	141	Circiowii			Sh08-0350	
SF1677		M	Unknown			SF1677	Oro-anal contact reported
10-1755 ERS180116	40 - 44 25 - 29	M M	None None			10-1755 ERS180116	
ERS180096	30 - 34	M	Unknown			ERS180096	
365/13	35 - 39	M	Unknown			365/13	
ERS180103 ERS360543	20 - 24	M M	Unknown			ERS180103 ERS360543	
ERS369543 K-9292	25 - 29 0 - 5	M M	Unknown Unknown			ERS369543 K-9292	
ERS180148	30 - 34	M	None			ERS180148	
80-12-240-4928	20 - 24	M F	Unknown	A 6.1	Durbing Free	80-12-240-4928	
12-1488 ERS180123	40 - 44 45 - 49	M	Yes None	Africa	Burkina Faso	12-1488 ERS180123	
ERS180065	30 - 34	M	Yes	Low risk	Spain	ERS180065	
ERS369524 AUSMDU00003037 S2	45 - 49	M M	Unknown Unknown			ERS369524 AUSMDU00003037 S2	MSM
ERS369496	30 - 34	F	Unknown			ERS369496	MSM
415/13	30 - 34	M	Unknown			415/13	
461/13	30 - 34 45 - 49	M M	Unknown	Low risk	Ci-	461/13	
ERS180105 ERS180136	20 - 24	M	Yes Yes	Asia	Spain India	ERS180105 ERS180136	
ERS180130	45 - 49	M	None			ERS180130	
580/13	60 - 64	M	Unknown			580/13	
K-9175 ERS180093	0 - 5 45 - 49	M M	Unknown None			K-9175 ERS180093	
ERS087994	0 - 5	M	Unknown			ERS087994	
512/13 K-9447	20 - 24 0 - 5	M M	Unknown Unknown			512/13 K-9447	
MS0105 2882369	0-5	M	Unknown			MS0105 2882369	
10-1391	35 - 39	F	Unknown			10-1391	
505/13	55 - 59	M	Unknown			505/13	
348/13 115/13	50 - 54 35 - 39	M M	Unknown Yes	Africa	Egypt	348/13 115/13	
ERS369453		F	None			ERS369453	
12-10736	60 - 64	F	Yes	Asia	Myanmar	12-10736	
ERS180141 ERS369476	40 - 44 35 - 39	M F	None None			ERS180141 ERS369476	
ERS369515	45 - 49	M	None			ERS369515	MSM
AUSMDU00003038_S5	40.44	M	Unknown			AUSMDU00003038_S5	
12-321 ERS369494	40 - 44 50 - 54	M M	Yes Unknown	Low risk	Spain	12-321 ERS369494	MSM
ERS180142	20 - 24	M	None			ERS180142	
sh0342_4464346	40 - 44 5 - 9	M F	Unknown			sh0342_4464346	
MS0078_2882359 K-9444	0-5	r M	Unknown Unknown			MS0078_2882359 K-9444	
11-6611	25 - 29	M	Yes	Low risk	USA	11-6611	
ERS180115	45 - 49	M	None			ERS180115 ERS369513	MeM
ERS369513 ERS369547	40 - 44 50 - 54	M M	None Unknown			ERS369513 ERS369547	MSM
ERS369527	35 - 39	M	None			ERS369527	MSM
EG0006_2874369 ERS180110	0 - 5 35 - 39	M M	Unknown None			EG0006_2874369 ERS180110	
ERS180110 ERS180064	35 - 39 15 - 19	M M	Unknown			ERS180110 ERS180064	
ERS180109	45 - 49	M	None			ERS180109	
ERS369536 ERS180090	35 - 39 30 - 34	M M	Unknown None			ERS369536 ERS180090	
ERS369458	25 - 29	F	None			ERS369458	
K-9413	5 - 9	F	Unknown			K-9413	
ERS369463 ERS180067	70 - 75 45 - 49	F M	None None			ERS369463 ERS180067	
ERS180081	35 - 39	M	Yes	Asia	Maldives	ERS180081	
ERS369511	40 - 44	M	Unknown			ERS369511	MSM
ERS180118 AUSMDU00003041 S14	35 - 39	M M	None Unknown			ERS180118 AUSMDU00003041 S14	
ERS180126	35 - 39	M	Yes	Asia	India	ERS180126	
ERS369531	40 - 44	M	None			ERS369531	MSM
147/13 ERS180087	45 - 49 30 - 34	M M	Unknown Unknown			147/13 ERS180087	
ERS180087 EG0257_2874375	5 - 9	F	Unknown			EG0257_2874375	
K-62			Unknown			K-62	
ERS180102 ERS180082	30 - 34 45 - 49	M M	None Yes	Africa	Morocco	ERS180102 ERS180082	
ERS180062 ERS180060	25 - 29	M	None	Anta	Molocco	ERS180060	
ERS180149	50 - 54	M	Yes	Africa	Kenya	ERS180149	
ERS180099 ERS372313	55 - 59 5 - 9	M F	None None			ERS180099 ERS372313	
AUSMDU00003050_S18	3-7	M	Unknown			AUSMDU00003050_S18	
ERS369508	50 - 54	M	Unknown			ERS369508	MSM
AUSMDU00003042_S17	45 40	M	Unknown			AUSMDU00003042_S17	
ERS180089 457/13	45 - 49 35 - 39	M M	None None			ERS180089 457/13	
ERS180068	45 - 49	M	Yes	Asia	India	ERS180068	
ERS180129	40 - 44	M	Yes	Africa	Uganda	ERS180129	
307/13	15 - 19	M M	Unknown Unknown			307/13 AUSMDU00003040 S11	
AUSMDH00003040 S11	İ	M				AUSMDU00003040_S11 AUSMDU00003051_S21	1
AUSMDU00003040_S11 AUSMDU00003051_S21			Unknown				
	35 - 39 35 - 39	M M	None None			ERS180137 12-2962	

AUSMDU00003029_S1 ERS180106	55 - 59	M M	Unknown Yes	Low risk	Spain	AUSMDU00003029_S1 ERS180106	
sh0341_4464345	50 - 54	M	Unknown		•	sh0341_4464345	
503/13 ERS369541	25 - 29 5 - 9	M F	Unknown None			503/13 ERS369541	
AUSMDU00003048_S12		M	Unknown			AUSMDU00003048_S12	
ERS369468 12-070	40 - 44 45 - 49	M M	Unknown Yes	Low risk	Belgium	ERS369468 12-070	
ERS369529	25 - 29	M	Unknown			ERS369529	MSM
AUSMDU00003033_S13 ERS180066	30 - 34	M M	Unknown None			AUSMDU00003033_S13 ERS180066	
ERS180078	35 - 39	M	Yes	Low risk	Spain	ERS180078	
EG0198_2874374	0 - 5	F	Unknown		•	EG0198_2874374	
ERS180083 ERS031795	35 - 39 0 - 5	M M	None Unknown			ERS180083 ERS031795	
ERS180114	45 - 49	M	None			ERS180114	
ERS180121	50 - 54	M	None			ERS180121	
AUSMDU00003045_S3 12-2560	35 - 39	M M	Unknown None			AUSMDU00003045_S3 12-2560	
K-9522	0 - 5	F	Unknown			K-9522	
ERS369506	30 - 34	M	Unknown			ERS369506	MSM
293/13 369/13B	40 - 44 45 - 49	M M	None Unknown			293/13 369/13B	
ERS369518	50 - 54	M	None			ERS369518	MSM
13-1398 ERS369525	35 - 39	М	None			13-1398 ERS369525	
369/13A	35 - 39	M	None			369/13A	
K-734	10.14	.,	Unknown			K-734	
ERS372298 ERS369497	10 - 14 25 - 29	M M	None Unknown			ERS372298 ERS369497	MSM
592/13	30 - 34	M	Unknown			592/13	1115111
ERS180085	25 - 29	M	Yes	Low risk	European continent	ERS180085	MeM
ERS369535 ERS369509	50 - 54 55 - 59	M M	Unknown None			ERS369535 ERS369509	MSM MSM
Sh06-3638		F	Yes	Africa	Niger	Sh06-3638	1,
EG0302_2874376	0 - 5	M M	Unknown	Y atia Amazaiaa	p	EG0302_2874376	
ERS180124 ERS180075	30 - 34 40 - 44	M M	Yes Yes	Latin America Low risk	Peru Netherlands	ERS180124 ERS180075	
K-9588	0 - 5	F	Unknown			K-9588	1
AUSMDU00003030_S4		M M	None Unknown			AUSMDU00003030_S4 AUSMDU00003035_S19	1
AUSMDU00003035_S19 351/13	35 - 39	M M	Unknown			351/13	
13-6290	20 - 24	F	Yes	Asia	India	13-6290	
K-9129 AUSMDU00003043 S20	10 - 14	F M	Unknown Unknown			K-9129 AUSMDU00003043 S20	1
663/13	40 - 44	M	None			663/13	1
ERS369498	50 - 54	M	Unknown			ERS369498	MSM
ERS031786 ERS180071	0 - 5 15 - 19	M M	Unknown Unknown			ERS031786 ERS180071	
ERS369472	40 - 44	F	None			ERS369472	
ERS369542	40 - 44	M	Unknown			ERS369542	
ERS180147 548/13	30 - 34 45 - 49	M M	None None			ERS180147 548/13	
AUSMDU00003031_S7		F	Yes	Africa	African continent	AUSMDU00003031_S7	
80-11-164-2370	40 - 44	M	Unknown			80-11-164-2370	
ERS088022 K-9454	5 - 9 0 - 5	F F	Unknown Unknown			ERS088022 K-9454	
458/13	45 - 49	M	Unknown			458/13	
806/13 287/13	65 - 69 25 - 29	M M	Yes	Africa	Kenya	806/13 287/13	
ERS180133	25 - 29	M	Yes None	Africa	Ghana	ERS180133	
K-276			Unknown			K-276	
ERS369526 ERS180092	30 - 34 30 - 34	F M	None None			ERS369526 ERS180092	
ERS369479	15 - 19	F	None			ERS369479	
K-9411	40 - 44	F	Unknown			K-9411	
DE0090_2868493 AUSMDU00003052 S24	0 - 5	M M	Unknown Unknown			DE0090_2868493 AUSMDU00003052 S24	
ERS369545	35 - 39	M	Unknown			ERS369545	
10-7674						10-7674	
ERS180100 ERS369517	40 - 44 20 - 24	M M	None Unknown			ERS180100 ERS369517	MSM
11-6955	65 - 69	M	Yes	Low risk	Canada	11-6955	1115111
76/13	50 - 54	M	Unknown			76/13	
ERS088047 USMDU00003036_S22	0 - 5	M M	Unknown Unknown			ERS088047 AUSMDU00003036_S22	
K-10248	0 - 5	F	Unknown			K-10248	
sh0315_4464319	30 - 34	F	Unknown			sh0315_4464319	
80-11-358-2172 SF0743	50 - 54	M M	Unknown Unknown			80-11-358-2172 SF0743	Oro-anal contact repo
Sh05-8094		F	Yes	Africa	Mali	Sh05-8094	oro unui contact repo
ERS369514	60 - 64	M	None			ERS369514	MSM
ERS180135 ERS372309	30 - 34 0 - 5	M F	Unknown None			ERS180135 ERS372309	
11-2240	65 - 69	F	Yes	Africa	Tanzania	11-2240	
K-10368 USMDU00003044 S23		M	Unknown Unknown			K-10368 AUSMDU00003044 S23	
10-1295	25 - 29	M	Yes	Africa	Ghana	10-1295	
80-13-058-4645	25 - 29 35 - 39	M	Unknown			80-13-058-4645 EBC190117	
ERS180117 ERS180127	35 - 39 25 - 29	M M	None Unknown			ERS180117 ERS180127	
ERS369503		M	None			ERS369503	
136/13 ERS369495	40 - 44 30 - 34	M M	None None			136/13 ERS369495	MSM
80-12-110-4516	5 - 9	M F	None Yes	Asia	India	80-12-110-4516	INSIN
80-12-011-3999	40 - 44	M	Unknown			80-12-011-3999	
Sh08-3483 ERS180056	35 - 39	M	Unknown Unknown			Sh08-3483 ERS180056	
ERS369477	30 - 34	F	None			ERS369477	
ERS369544	50 - 54	M	Unknown			ERS369544	
443/13 12-6716	40 - 44 45 - 49	M M	Unknown Unknown			443/13 12-6716	
ERS180097	25 - 29	M	Yes	Africa	Nigeria	ERS180097	
11-820	70 - 75	F	Yes	Asia	India	11-820	
10-7290 ERS369504	50 - 54 35 - 39	M M	None Unknown			10-7290 ERS369504	MSM
ERS369538	40 - 44	M	Unknown			ERS369538	MOM
Sh07-4848		F	Yes	Africa	Togo	Sh07-4848	
ERS369537 K-9339	20 - 24 0 - 5	M M	None Unknown			ERS369537 K-9339	MSM
	40 - 44	M	Unknown			ERS369510	Heterosexual
ERS369510	25 - 29	M	Unknown			84/13	
84/13	45 - 49 45 - 49	M M	Yes Linknown	Low risk	Spain	ERS180120 ERS369530	MSM
84/13 ERS180120	+1-49	M M	Unknown Yes	Africa	Congo	ERS369530 Sh05-0787	MSM
84/13						AUSMDU00003047 S9	1
84/13 ERS180120 ERS369530 Sh05-0787 AUSMDU00003047_S9		M	Unknown				
84/13 ERS180120 ERS369530 Sh05-0787 AUSMDU00003047_S9 ERS180098	50 - 54	M	None			ERS180098	Oro and and
84/13 ERS180120 ERS369530 Sh05-0787 AUSMDU00003047_S9							Oro-anal contact repo

K-9375	60 - 64	F	Unknown			K-9375	1
ERS180073	35 - 39	M	Yes	Asia	India	ERS180073	
ERS180113	25 - 29	M	Yes	Asia	India	ERS180113	
				Asia	Iliula		
106/13	60 - 64	M	Unknown			106/13	
ERS088049	0 - 5	M	Unknown			ERS088049	
ERS180057	35 - 39	M	Yes	Africa	Ghana	ERS180057	
12-1897	45 - 49	M	Yes	Low risk	Ireland	12-1897	
Sh09-4409		M	Yes	Africa	Togo	Sh09-4409	
	0 - 5	F		Anica	Togo		
K-9278			Unknown			K-9278	
ERS180104	30 - 34	M	Yes	Africa	African continent	ERS180104	
AUSMDU00003032_S10		M	Unknown			AUSMDU00003032_S10	
627/13	60 - 64	M	None			627/13	
368/13	20 - 24	M	None			368/13	
ERS369460	40 - 44	M	Unknown			ERS369460	
	40 - 44						
AUSMDU00003034_S16		M	Unknown			AUSMDU00003034_S16	
ERS180061	30 - 34	M	None			ERS180061	
ERS180077	55 - 59	M	None			ERS180077	
388/13	55 - 59	M	Unknown			388/13	
K-10343	0 - 5	F	Unknown			K-10343	
ERS087995	5 - 9	F	Unknown			ERS087995	
ERS180145	35 - 39	M	None			ERS180145	
ERS369475	40 - 44	M	None			ERS369475	
5/63						5/63	
ERS369493	45 - 49	M	Unknown			ERS369493	MSM
					6 4 46:		WiSivi
ERS180112	45 - 49	M	Yes	Africa	South Africa	ERS180112	
ERS369521	35 - 39	M	None			ERS369521	MSM
ERS369462	40 - 44	M	Unknown			ERS369462	
Sh07-4943		M	Yes	Africa	Algeria	Sh07-4943	
ERS180076	40 - 44	M	None			ERS180076	
179/13	40 - 44	M	None			179/13	
217/13	45 - 49	M	Unknown			217/13	
ERS180150	20 - 24	M	None			ERS180150	
ERS031772	0 - 5	F	Unknown			ERS031772	
ERS180131	45 - 49	M	Yes	Latin America	Mexico	ERS180131	
				Latin America	MEXICO		
11-632	25 - 29	M	None			11-632	
ERS180107	25 - 29	M	None			ERS180107	
ERS369470	40 - 44	M	Unknown			ERS369470	
13-3909	40 - 44	M	Yes	Low risk	Spain	13-3909	
ERS369519	35 - 39	M	None			ERS369519	MSM
				A C-1	F		
ERS369512	40 - 44	M	Yes	Africa	Egypt	ERS369512	Heterosexual
10-2493	20 - 24	M	Unknown			10-2493	
ERS180070	40 - 44	M	None			ERS180070	
80-12-339-4617	45 - 49	F	Yes	Asia	Cambodia	80-12-339-4617	
ERS369539	40 - 44	M	None			ERS369539	
ERS088050	5 - 9	M	Unknown			ERS088050	
ERS180125	20 - 24	M	Yes	Asia	India	ERS180125	
ERS180146	55 - 59	M	None			ERS180146	
K-9169	0 - 5	M	Unknown			K-9169	
ERS180101	40 - 44	M	None			ERS180101	
		M					
ERS180079	25 - 29		Unknown			ERS180079	
AUSMDU00003049_S15		M	Unknown			AUSMDU00003049_S15	
AUSMDU00003046_S6		M	Unknown			AUSMDU00003046_S6	
ERS369499	45 - 49	M	Yes	Africa	Nigeria	ERS369499	MSM
285/13	35 - 39	M	None		ŭ	285/13	
sh0313 4464317	20 - 24	F	Unknown			sh0313 4464317	
				*			
ERS180091	40 - 44	M	Yes	Low risk	Spain	ERS180091	
ERS369461	40 - 44	M	Unknown			ERS369461	
ERS369516	40 - 44	M	None			ERS369516	MSM
198/13	30 - 34	M	None			198/13	
ERS369457	55 - 59	F	None			ERS369457	
ERS180095	30 - 34	M	Unknown			ERS180095	
ERS180122	40 - 44	M	None			ERS180122	
414/13	25 - 29	M	Unknown			414/13	
ERS180084	35 - 39	M	Yes	Asia	Pakistan	ERS180084	
ERS180143	35 - 39	M	Unknown			ERS180143	
ERS369520	30 - 34	M	None			ERS369520	MSM
							IVISIVI
ERS180134	35 - 39	M	None			ERS180134	1
ERS180108	50 - 54	M	Yes	Asia	India	ERS180108	1
K-9256	35 - 39	F	Unknown			K-9256	1
ERS369500	40 - 44	M	Unknown			ERS369500	MSM
ERS180132	30 - 34	M	None			ERS180132	
09-9039	40 - 44	F	Unknown			09-9039	1
							1
ERS180074	40 - 44	M	None			ERS180074	I
ERS369523	40 - 44	M	Yes	Asia	India	ERS369523	Heterosexual
ERS180094	35 - 39	M	None			ERS180094	1
201/13	30 - 34	M	None			201/13	1
ERS180055	45 - 49	M	Unknown			ERS180055	1
				. .	T- **		1
ERS180069	25 - 29	M	Yes	Asia	India	ERS180069	1
ERS180144	50 - 54	M	None			ERS180144	I
ERS180072	40 - 44	M	Unknown			ERS180072	1
10262 2868448	0 - 5	F	Unknown			10262 2868448	1
ERS180140	30 - 34	M				ERS180140	I
			None				1
ERS031757	0 - 5	F	Unknown			ERS031757	
ERS180088	35 - 39	M	Unknown			ERS180088	1
ERS369502	25 - 29	M	Yes	Asia	India	ERS369502	Heterosexual
05-11-032-2299	5 - 9	M	Unknown			05-11-032-2299	
							1
237/13	25 - 29	M	None			237/13	L .
SF7955	İ	M	Unknown			SF7955	Oro-anal contact reported
290/13	30 - 34	M	Yes	Low risk	Australia	290/13	1
447/13	40 - 44	M	Unknown			447/13	
204/13	30 - 34	M	None			204/13	
	30 - 34						0
SF7787		M	Unknown			SF7787	Oro-anal contact reported
ERS180119	45 - 49	M	Unknown			ERS180119	

	1						
Patitent Pair	Azithromycin resistance (MIC [mg/L])	Ampicillin (8mg/L)	Chloramphenicol (16mg/L)	Sample name		Tetracycline (8mg/L)	Antimicrobial resistance p Trimethoprim (2mg/L)
		R R	R R	ERS180138 228/13	P R	R R	S R
ERS369543				ERS369546			
		R R	R R	ERS369533 ERS369501	S P	R R	S S
		R	R	ERS369492 ERS180111	P	R	S
	>256	R	R	13-6754	R	R	S
	2	R R	R R	ERS369507 ERS180128	P S	R R	S R
	>256	R R	R R	ERS369522 AUSMDU00003039_S8	R R	R R	S S
	. 230	S	S	ERS088023	S	S	R
		R S	R S	11-719 sh0368_4464372	R S	R S	R R
		R S	R R	ERS180059 ERS180086	P P	R R	S R
		R	R	ERS180063	P	R	S
		R R	R R	ERS180139 ERS180058	P P	R R	S R
	256	R R	R R	ERS369534 214/13	S R	R R	S R
	250	s	s	ERS088048	s	s	R
	>256	R	S	80-12-224-2372 ERS369505	P	R	R
		R S	R R	10-2529 ERS180080	R P	R R	S R
		S	S	sh0343_4464347	S	S	R
	2 1	R S	R R	11-278 695/13	R R	R R	S R
				Sh08-0350 SF1677			
		R	R	10-1755	R	R	S
		R R	R R	ERS180116 ERS180096	P P	R R	S R
		R R	R R	365/13 ERS180103	R P	R R	R S
ERS369546		R	R	ERS369543	R	R	s
	1	R	R	K-9292 ERS180148	P	R	R
		R	R	80-12-240-4928 12-1488	R	R	S
		S	R	ERS180123	P	R	S
	128	R R	R S	ERS180065 ERS369524	R R	R R	S R
	>256 64	R R	R R	AUSMDU00003037_S2 ERS369496	R P	R R	S R
	>256	R	R	415/13	R	R	R
	>256	R R	R R	461/13 ERS180105	R R	R R	R S
		S R	R R	ERS180136 ERS180130	P P	R R	S S
		R	R	580/13	R	R	R
				K-9175 ERS180093			
		S R	S R	ERS087994 512/13	S R	S R	R R
		R	R	K-9447 MS0105_2882369	S	R	R
		R	R	10-1391	R	R	S
	>256	R R	R R	505/13 348/13	R R	R R	S R
	1	R	R	115/13 ERS369453	R	R	S
		S	R	12-10736	R	R	R
	192	R	R	ERS180141 ERS369476	P	R	R
	>256	R R	S R	ERS369515 AUSMDU00003038_S5	R R	R R	R S
		R	R	12-321 ERS369494	R	R	S
		R	R	ERS180142	P	R	S
		S R	S R	sh0342_4464346 MS0078_2882359	S S	S R	R R
	3	R	R	K-9444 11-6611	R	R	S
		R	R	ERS180115 ERS369513	P	R	R
ERS369544		R	R	ERS369547	R	R	S
		R S	R R	ERS369527 EG0006_2874369	S S	R R	S R
	128	R	R S	ERS180110 ERS180064	P R	R R	R R
		R S	R	ERS180109	P	R	R
ERS369525		R R	R R	ERS369536 ERS180090	R P	R R	S S
				ERS369458 K-9413			
			_	ERS369463	_		
		R S	R R	ERS180067 ERS180081	P R	R R	S R
		R	R	ERS369511 ERS180118	P P	R	S
	>256	R R	R R	AUSMDU00003041_S14	R R	R R	S S
	>256	R	R	ERS180126 ERS369531	R	R	R
	192	R S	S R	147/13 ERS180087	R P	S R	R R
		R	R	EG0257_2874375	S	R	R
		R	R	K-62 ERS180102	P	R	s
		S S	S R	ERS180082 ERS180060	S P	S S	S R
		R	R	ERS180149	P	R	R
		R S	R S	ERS180099 ERS372313	P S	R S	R R
	>256	R R	R R	AUSMDU00003050_S18 ERS369508	R P	R R	S S
	>256	R	R	AUSMDU00003042_S17	R S	R S	S
		S R	R R	ERS180089 457/13	R	R	R S
		S R	R R	ERS180068 ERS180129	P R	R R	R R
	96 >256	R R	R R	307/13 AUSMDU00003040 S11	R R	R R	S S
	>256	R	R	AUSMDU00003051_S21	R	R	S
		R R	R R	ERS180137 12-2962	P R	R R	R S

	2		R		R	AUSMDU00003029_S1		R	R	S
	2		R		R	ERS180106		P	R	S
			S		S	sh0341_4464345		S	S	R
		R	R	R	R	503/13 ERS369541		R	R R	R
	>256		R		R	AUSMDU00003048 S12		R	R	S
ERS369460						ERS369468				
			R		R	12-070		R	R	S
	>256		R		R	ERS369529 AUSMDU00003033 S13		S	R	S S
	>256		R R		R R	ERS180066		R S	R R	S
			R		R	ERS180078		P	R	S
			R		R	EG0198 2874374		S	R	R
						ERS180083				
		R		S		ERS031795	R		R	R
	1		R		R	ERS180114		P P	R	S
	>256		R R		R R	ERS180121 AUSMDU00003045_S3		R R	R R	S S
	2230		R		R	12-2560		R	R	S
						K-9522				
			R		S	ERS369506		P	R	R
			R		R	293/13		R	R	S
	>256		R R		R R	369/13B ERS369518		R R	R R	S R
	> 230		K		K	13-1398		K	K	K
ERS369536						ERS369525				
	>256		R		S	369/13A		R	R	R
		_		_		K-734	_		_	
		R	R	R	R	ERS372298 ERS369497	R	P	R R	R S
	192		R		R	592/13		R	R	S
	.,,2		R		R	ERS180085		P	R	S
	64		R		R	ERS369535		R	R	R
	>256		R		R	ERS369509		P	R	S
			S		R	Sh06-3638 EG0302 2874376		S	R	R
			R R		R R	EG0302_28/43/6 ERS180124		S P	R R	S
			R		R	ERS180075		P	R	S
						K-9588				
	2		R		R	AUSMDU00003030_S4		R	R	S
	>256 64		R R		R R	AUSMDU00003035_S19 351/13		R R	R R	S R
	04		R S		R R	13-6290		R R	R R	R
			~			K-9129				K
	>256		R		R	AUSMDU00003043_S20		R	R	S
			R		R	663/13		R	R	S
		R	R	R	R	ERS369498 ERS031786	R	P	R R	S R
		K	S	K	R	ERS180071	K	P	R	R
						ERS369472				
ERS369538			R		R	ERS369542		R	R	R
			R		R R	ERS180147		P R	R	S
	1		R R		R R	548/13 AUSMDU00003031 S7		R R	R R	S S
	•					80-11-164-2370				
		S		S		ERS088022	S		S	S
						K-9454				
			R R		R	458/13		R	R	R
			R R		R R	806/13 287/13		R R	R R	R S
			R		R	ERS180133		P	R	S
						K-276				
			S		R	ERS369526		R	R	R
			R		R	ERS180092 ERS369479		P	R	S
						K-9411				
			S		R	DE0090 2868493		R	R	R
	>256		R		R	AUSMDU00003052_S24		R	R	S
						ERS369545				
			R		R	10-7674 ERS180100		P	p.	R
			R		R R	ERS369517		R	R R	S
	2		R		R	11-6955		R	R	R
			R		R	76/13		R	R	S
		S		S		ERS088047	S		S	R
	>256		R		R	AUSMDU00003036_S22 K-10248		R	R	S
			S		S	sh0315_4464319		S	S	R
						80-11-358-2172				
						SF0743				
					_	Sh05-8094		_	_	
			R R		R R	ERS369514 ERS180135		R P	R R	S S
		R		R	Α.	ERS372309	R		R R	R
			R		R	11-2240		R	R	R
			_			K-10368		_	_	
	>256		R		R	AUSMDU00003044_S23		R	R	S
			R		R	10-1295 80-13-058-4645		R	R	R
			R		R	ERS180117		P	R	R
			R		S	ERS180127		P	R	R
ERS369475			R		R	ERS369503		P	R	S
			R		R	136/13 EBS260405		R P	R	R
			R		R	ERS369495 80-12-110-4516		P	R	S
						80-12-011-3999				
						Sh08-3483				
			R		R	ERS180056		P	R	S
ERS369547			R		R	ERS369477 ERS369544		R	R	S
LECTO 20134 /	>256		R R		S	443/13		R R	R R	R
	- 250		S		S	12-6716		S	S	S
			S		S	ERS180097		S	S	S
			S		R	11-820		R	R	R
			R		R	10-7290 EP\$360504		R	R	S R
ERS369542			R		S	ERS369504 ERS369538		S	R	К
						Sh07-4848				
			R		R	ERS369537		S	R	S
						K-9339				
			S R		R p	ERS369510		P	R	R
			R R		R R	84/13 ERS180120		R S	R R	S S
	>256		S		S	ERS369530		R	R	R
						Sh05-0787				
	>256		R		R	AUSMDU00003047_S9		R	R	S
	2		R		R	ERS180098 SE1102		P	R	R
			R		R	SF1102 ERS369528		s	R	S
	>256		R		R	407/13		R	R	S
						•				

						K-9375				
					_	ERS180073				_
			S		R	ERS180113		S	S	R
		C	R		R	106/13		R	R	S
		S		S	R	ERS088049 ERS180057	S	P	S	R
	1		R R		R	12-1897		R	R R	R S
	1		K		K	Sh09-4409		K	K	3
						K-9278				
			R		R	ERS180104		P	R	S
	>256		R		R	AUSMDU00003032_S10		R	R	s
			R		R	627/13		R	R	R
			R		R	368/13		R	R	R
ERS369468						ERS369460				
	>256		R		R	AUSMDU00003034_S16		R	R	S
			R		R	ERS180061		P	R	S
			R		R	ERS180077		P	R	R
	>256		R		R	388/13		R	R	R
						K-10343				
		S		S	p.	ERS087995	S	P	S	S
ED02/0502			R		R	ERS180145			R	R
ERS369503			R		R	ERS369475 5/63		P	R	S
	128		R		R	ERS369493		P	R	R
			S		S	ERS180112		S	S	S
			R		R	ERS369521		R	R	S
ERS369461						ERS369462				
						Sh07-4943				
			R		R	ERS180076		P	R	R
			R		R	179/13		R	R	S
			R		R	217/13		R	R	S
		-	R		R	ERS180150	D.	P	R	S
		R	_	S	_	ERS031772	R	_	R	R
			R		R	ERS180131		P R	R R	S
			R		R R	11-632 ERS180107		P P	R R	S S
ERS369539			R		K	ERS369470		r	K	
EK3309339	>256		R		R	13-3909		R	R	S
	128		R		S	ERS369519		R	R	R
			R		R	ERS369512		R	R	S
			R		R	10-2493		R	R	R
			R		R	ERS180070		P	R	S
						80-12-339-4617				
ERS369470			R		R	ERS369539		R	R	R
		R		S		ERS088050	S		S	R
			S		S	ERS180125		S	S	S
			R		R	ERS180146		P	R	R
					p.	K-9169		n.	p.	e
			R		R	ERS180101		P P	R	S
	>256		S R		S R	ERS180079 AUSMDU00003049_S15		R R	R R	S S
	>256		R		R	AUSMDU00003049_313 AUSMDU00003046_S6		R	R R	S
	2		R		R	ERS369499		P	R	R
	>256		R		S	285/13		R	R	R
			S		S	sh0313 4464317		S	S	S
			S		R	ERS180091		P	R	R
ERS369462						ERS369461				
			R		R	ERS369516		R	R	R
			R		R	198/13		R	R	S
			_			ERS369457		n		
	2		R R		R R	ERS180095 ERS180122		P P	R R	S S
	<u> </u>		R		R	414/13		R	R	S
			R		R	ERS180084		R	R	R
			R		R	ERS180143		P	R	s
	128		R		S	ERS369520		R	R	R
						ERS180134				
			S		R	ERS180108		P	R	R
	_				_	K-9256		_	_	
	3		R		R	ERS369500		P	R	S
			S		S	ERS180132		S	S	R
			R		R	09-9039		R	R	S
			R S		R R	ERS180074 ERS369523		P R	R R	S R
			R		R	ERS180094		S	R	R
			R		R	201/13		R	R	R
	1		R		R	ERS180055		P	R	R
	· ·		S		R	ERS180069		P	R	R
			R		R	ERS180144		P	R	S
			R		R	ERS180072		P	R	S
			R		R	10262_2868448		S	S	R
	2		R		R	ERS180140		P	R	S
		R	_	R	_	ERS031757	R	_	R	R
			R		R	ERS180088		P	R	S
			S		S	ERS369502		P	R	R
	>256		R		R	05-11-032-2299 237/13		R	R	R
	~230		K		IX.	SF7955		K	N.	K
			R		R	290/13		R	R	R
			R		R	447/13		R	R	R
			R		R	204/13		R	R	S
						SF7787				
	1		R		R	ERS180119		P	R	S

Key to phenotypeRResistantSSensitivePPartialBlankUnknown

henoty	ne
	þε

ohenotype Sulfonamide (256mg/L)	Nalidixic acid (16mg/L)	Sample name			Ertapenem (0.064,0.5mg/dL)
S R	s s	ERS180138 228/13	S S	s s	S S
R	s	ERS369546 ERS369533	s	s	s
S	S	ERS369501	S	S	S
S	S	ERS369492 ERS180111	S	S	S
S S	S S	13-6754 ERS369507	S S	S	s
R	S	ERS180128	S	S	S
S S	S S	ERS369522 AUSMDU00003039_S8	S S	S S	S
R R	S R	ERS088023 11-719	S R		
R	S	sh0368_4464372	S		
S R	S R	ERS180059 ERS180086	S R	S S	S S
S S	S S	ERS180063	S S	S S	S S
R	S	ERS180139 ERS180058	S	S	S
R R	S S	ERS369534 214/13	S S	S S	S S
R	S	ERS088048 80-12-224-2372	S		
R	S	ERS369505	s	S	S
S R	S R	10-2529 ERS180080	S R	S	S
R S	S S	sh0343_4464347 11-278	S S		
R	R	695/13	P	S	S
		Sh08-0350 SF1677			
S S	S S	10-1755 ERS180116	S S	S	s
R	S	ERS180096	S	S	S
R S	S S	365/13 ERS180103	S S	S S	S S
S	S	ERS369543 K-9292	S	S	S
R	S	ERS180148	S	S	S
S	S	80-12-240-4928 12-1488	S		
S S	S S	ERS180123 ERS180065	S S	S S	S S
R	S	ERS369524	S	S	S
S R	S S	AUSMDU00003037_S2 ERS369496	S S	S S	S
R R	S S	415/13 461/13	S S	S S	S S
S	S	ERS180105	S	S	S
S S	R S	ERS180136 ERS180130	R S	S S	S S
R	S	580/13 K-9175	S	S	S
		ERS180093			
R R	S S	ERS087994 512/13	S S	S	S
	s	K-9447 MS0105_2882369	S		
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S R	S S	505/13 348/13	S S	S S	S S
S	S	115/13 ERS369453	S	S	S
R	S	12-10736	s		
R	S	ERS180141 ERS369476	S	S	S
R S	S S	ERS369515 AUSMDU00003038_S5	S S	S S	S
s	s	12-321	s	3	
S	S	ERS369494 ERS180142	s	S	S
R	S S	sh0342_4464346 MS0078_2882359	S S		
		K-9444			
S R	S S	11-6611 ERS180115	S S	S	S
S	S	ERS369513 ERS369547	S	S	S
R	S	ERS369527	S	S	S
R	S S	EG0006_2874369 ERS180110	S S	S	S
R R	S R	ERS180064 ERS180109	S R	S S	S S
S	S	ERS369536	S	S	S
S	S	ERS180090 ERS369458	S	S	S
		K-9413 ERS369463			
S	S	ERS180067	S	S	S
R S	R S	ERS180081 ERS369511	R S	S S	S S
S S	S S	ERS180118 AUSMDU00003041 S14	S S	S S	S
		ERS180126			e
R R	S S	ERS369531 147/13	S S	s s	s s
R	S R	ERS180087 EG0257_2874375	S S	S	S
~		K-62			
S S	S S	ERS180102 ERS180082	S S	S S	S S
R R	S S	ERS180060 ERS180149	R S	S S	S S
R	S	ERS180099	S	s	S
S S	S S	ERS372313 AUSMDU00003050_S18	S S	s	
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S R	S R	457/13 ERS180068	S R	S S	S S
R S	S S	ERS180129 307/13	S S	S S	S S
S	S	AUSMDU00003040_S11	S	S	9
S R	S S	AUSMDU00003051_S21 ERS180137	S S	S S	S
S	S	12-2962	S		

S	S	AUSMDU00003029_S1	S	S	
S	S	ERS180106	S	S	S
R	S	sh0341_4464345	S		
R	S	503/13 EBS2/05/41	S	S	S
R S	S	ERS369541 AUSMDU00003048_S12	S	S	
3	3	ERS369468	3	3	
S	S	12-070	S		
R	S	ERS369529	S	S	S
S	S	AUSMDU00003033_S13	S	S	
S S	S S	ER\$180066	S S	S S	S S
5	R	ERS180078 EG0198_2874374	S	5	5
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	S	ERS031795			
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S	S	ERS180121	S	S	S
S S	S	AUSMDU00003045_S3 12-2560	S S	S	
5	S	K-9522	5		
R	S	ERS369506	S	S	S
S	S	293/13	S	S	S
S	S	369/13B	S	S	S
R	S	ERS369518	S	S	S
		13-1398 ERS369525			
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		K-734			
R	S	ERS372298	S		
S	S	ERS369497	S	S	S
S S	S S	592/13 ERS180085	S S	S S	S S
R	S	ERS369535	S	S	S
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S S	S S	ERS180124 ERS180075	S S	S S	S S
3	3	K-9588	3	3	3
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R	S	351/13	S	S	S
R	R	13-6290	R		
e	c	K-9129 AUSMDU00003043_S20	S	S	
S S	S S	663/13	S	S	S
S	s	ERS369498	S	s	S
	S	ERS031786			
R	R	ERS180071	R	S	S
n.	6	ERS369472			
R S	S S	ERS369542 ERS180147	S S	S S	S S
S	s	548/13	S	S	S
S	S	AUSMDU00003031_S7	S	S	
		80-11-164-2370			
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R	R	K-9454 458/13	P	S	S
R	S	806/13	S	S	S
S	S	287/13	S	S	S
S	S	ERS180133	S	S	S
		K-276	_		
R S	R S	ERS369526 ERS180092	R S	S S	S S
5	3	ERS369479	3	3	5
		K-9411			
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S	S	AUSMDU00003052_S24	S	S	
		ERS369545 10-7674			
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S	S	ERS369517	S	S	S
R	S	11-6955	S		
S	S	76/13	S	S	S
R S	S S	ERS088047 AUSMDU00003036_S22	S S	S	
3	3	K-10248	S	S	
R	S	sh0315_4464319			
		i	S		
		80-11-358-2172	S		
		SF0743	S		
S	S	SF0743 Sh05-8094		s	S
S S	s s	SF0743	s	s s	s s
S R	S S	SF0743 Sh05-8094 ERS369514 ERS180135 ERS372309	S S S		
S	S	SF0743 Sh05-8094 ERS369514 ERS180135 ERS372309 11-2240	s s		
S R R	S S S	SF0743 Sb05-8094 ERS369514 ERS180135 ERS372309 11-2240 K-10368	S S S S	S	
S R R	s s s	SF0743 Sh05-8094 ERS369514 ERS180135 ERS372309 11-2240 K-10368 AUSMD000003044_S23	s s s s		
S R R	S S S	SF0743 Sh05-8094 ERS369514 ERS180135 ERS372309 11-2240 K-10368 AUSMDU00003044_S23 10-1295	S S S S	S	
S R R S R	s s s s	SF0743 Sh05-8094 ERS369514 ERS180135 ERS372309 11-2240 K-10368 AUSM000003044 S23 10-1295 80-13-058-4645 ERS180117	s s s s	s s	s s
S R R S R R	S S S S S S S S S S S S S S S S S S S	SF0743 Sh05-8094 ERS369514 ERS369514 ERS372309 11-2240 K-10368 AUSMDU00003044_S23 10-1295 80-13-058-4645 ERS180117 ERS180127	S S S S S S S S S S S S S S S S S S S	s s s	s s s
S R S R R R S	s s s s s	SF0743 Sh05-8094 ERS369514 ERS180135 ERS372309 11-2240 K-10368 AUSMD000003044_S23 10-1295 80-13-058-4645 ERS180117 ERS180127 ERS369503	s s s s s	s s s s	s s s s
S R R S R R S R	s s s s s	SF0743 Sh05-8094 ERS369514 ERS180135 ERS372309 11-2240 K-10368 AUSMDU00003044 S23 10-1295 80-13-058-4645 ERS180127 ERS369503 136/13	s s s s s	S S S S S S S S S S S S S S S S S S S	s s s s
S R S R R R S	s s s s s	SF0743 Sh05-8094 ERS369514 ERS180135 ERS372309 11-2240 K-10368 AUSMDU00003044_S23 10-1295 80-13-058-4645 ERS180117 ERS180127 ERS369503 136/13 ERS369495	s s s s s	s s s s	s s s s
S R R S R R S R	s s s s s	SF0743 Sh05-8094 ERS369514 ERS180135 ERS372309 11-2240 K-10368 AUSMDU00003044_S23 10-1295 80-13-058-4645 ERS180117 ERS180127 ERS369903 136/13 ERS369495 80-12-110-4516 80-12-11-15999	s s s s s	S S S S S S S S S S S S S S S S S S S	s s s s
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	S	ERS031772			
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S	S	ERS180125	P	S	S
R	S	ERS180146	S	S	S
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S	R	ERS180091	R	S	S
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J	3	ERS369457	5	5	5
S	S	ERS180095	S	S	S
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R	S	ERS180084	S	S	S
S	S	ERS180143	S	S	S
R	S	ERS369520	S	S	S
S	R	ERS180134 ERS180108	R	S	s
		K-9256			
S	S	ERS369500	S	S	S
R S	S S	ERS180132 09-9039	S S	S	S
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S	S	ERS180088	S	S	S
R	R	ERS369502	R	S	S
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Sample name	gyrA	parC	SRL	pKSR100	pCERC	1 Integron (on pKS
ERS180138	Wildtype	Wildtype	Present	Absent	Absent	Absent
228/13 FRS369546	ND Wildtyne	Wildtype	Present Present	Present Present	Absent Absent	Present Absent
ERS369546 ERS369533	Wildtype Wildtype	Wildtype Wildtype	Present Present	Present Present	Absent	Absent Absent
ERS369501	Wildtype	Wildtype	Present	Present	Absent	Absent
ERS369492 ERS180111	S83L.D87G. Wildtype	S80I Wildtype	Present	Absent	Absent	Absent
13-6754	Wildtype	Wildtype	Present	Present	Absent	Absent
ERS369507	Wildtype	Wildtype	Present	Present	Absent	Absent
ERS180128 ERS369522	Wildtype Wildtype	Wildtype Wildtype	Present	Present	Absent	Absent
LKS369522 AUSMDU00003039_S8	ND ND	ND	Present	Present	Absent	Absent
ERS088023	Wildtype	Wildtype				
11-719 sh0368 4464372	S83L.D87G.	S80I Wildtung				
Sn0368_4464372 ERS180059	Wildtype Wildtype	Wildtype Wildtype	Present	Absent	Absent	Absent
ERS180086	S83L.D87G	S80I				
ERS180063 ERS180139	Wildtype Wildtype	Wildtype	Present Present	Absent Absent	Absent Absent	Absent Absent
ERS180058	Wildtype Wildtype	Wildtype Wildtype	1 resent	Auscill	Ausent	Auscill
ERS369534	Wildtype	Wildtype	Present	Present	Absent	Absent
214/13	Wildtype	Wildtype	Present	Present	Absent	Present
ERS088048 80-12-224-2372	Wildtype S83L.D83G	Wildtype S80I				
ERS369505	Wildtype	Wildtype	Present	Present	Absent	Present
10-2529 EDS180080	Wildtype S831 D87G	Wildtype S80I	Present	Absent	Absent	Absent
ERS180080 sh0343 4464347	S83L.D87G Wildtype	S801 Wildtype				
11-278	Wildtype	Wildtype	Present	Absent	Absent	Absent
695/13	S83L.D87G.	S80I				
Sh08-0350 SF1677	ND	ND	Present	Present	Absent	Absent
10-1755	Wildtype	Wildtype	Present	Absent	Absent	Absent
ERS180116	Wildtype	Wildtype	Present	Absent	Absent	Absent
ERS180096 365/13	Wildtype Wildtype	Wildtype Wildtype	Present Present	Absent Present	Absent Present	Absent Absent
ERS180103	Wildtype	Wildtype	Present	Absent	Absent	Absent
ERS369543	Wildtype	Wildtype	Present	Present	Absent	Absent
K-9292 ERS180148	S83L Wildtype	Wildtype Wildtype	Present	Absent	Present	Absent
80-12-240-4928	ND	ND	- resealt	- coosit	. regent	Losett
12-1488	Wildtype	Wildtype	D :	A b		A1 .
ERS180123 ERS180065	Wildtype Wildtype	Wildtype Wildtype	Present Present	Absent Absent	Absent Absent	Absent Absent
ERS369524	Wildtype	Wildtype	Present	Present	Absent	Present
USMDU00003037_S2	ND	ND	Present	Present	Absent	Absent
ERS369496 415/13	Wildtype Wildtype	Wildtype Wildtype	Present Present	Present Present	Present Present	Absent Absent
461/13	Wildtype	ND	Present	Present	Present	Absent
ERS180105	Wildtype	Wildtype	Present	Absent	Absent	Absent
ERS180136 ERS180130	S83L.D87G Wildtype	S80I Wildtype	Present	Absent	Absent	Absent
580/13	ND	Wildtype	Present	Present	Absent	Absent
K-9175	D87G	Wildtype				
ERS180093 ERS087994	Wildtype Wildtype	Wildtype Wildtype	Present	Absent	Absent	Absent
512/13	ND	ND				
K-9447	D87G	Wildtype				
MS0105_2882369 10-1391	Wildtype Wildtype	Wildtype Wildtype	Present	Absent	Absent	Absent
505/13	ND	Wildtype	Present	Present	Present	Absent
348/13	Wildtype	Wildtype				
115/13 ERS369453	Wildtype Wildtype	Wildtype Wildtype				
12-10736	Wildtype	Wildtype				
ERS180141	Wildtype	Wildtype	Present	Present	Present	Absent
ERS369476 ERS369515	Wildtype Wildtype	Wildtype Wildtype	Present	Present	Absent	Present
USMDU00003038_S5	ND	ND	Present	Present	Absent	Absent
12-321	Wildtype	Wildtype	Present	Absent	Absent	Absent
ERS369494 ERS180142	Wildtype Wildtype	Wildtype Wildtype	Present Present	Present Absent	Present Absent	Absent Absent
sh0342_4464346	Wildtype	Wildtype	. resent	Auscilt	Austin	Auscill
MS0078_2882359	Wildtype	Wildtype				
K-9444 11-6611	D87G Wildtype	Wildtype Wildtype	Present	Absent	Absent	Absent
ERS180115	Wildtype	Wildtype	Present	Absent	Present	Absent
ERS369513	Wildtype	Wildtype	Present	Present	Absent	Absent
ERS369547 ERS369527	Wildtype Wildtype	Wildtype Wildtype	Present Present	Present Present	Absent Absent	Absent Absent
EG0006_2874369	Wildtype Wildtype	Wildtype Wildtype	1 resent	riesent	Ausent	Auscill
ERS180110	Wildtype	Wildtype	Present	Present	Present	Absent
ERS180064	Wildtype S831 D87G	Wildtype				
ERS180109 ERS369536	S83L.D87G Wildtype	S80I Wildtype	Present	Present	Absent	Absent
ERS180090	Wildtype	Wildtype	Present	Absent	Absent	Absent
ERS369458 K-9413	Wildtype D87G	Wildtype	Present	Absent	Absent	Absent
K-9413 ERS369463	Wildtype	Wildtype Wildtype				
ERS180067	Wildtype	Wildtype	Present	Absent	Absent	Absent
ERS180081	S83L.D87G Wildtyne	S80I Wildtyne	Present	Proper*	A bo 4	Aboort
ERS369511 ERS180118	Wildtype Wildtype	Wildtype Wildtype	Present Present	Present Absent	Absent Absent	Absent Absent
USMDU00003041_S14	ND	ND	Present	Present	Absent	Absent
ERS180126 ERS360531	S83L.D87G. Wildtyne	S80I Wildtyne	Dragar*	Proper*	Dear	Aboort
ERS369531 147/13	Wildtype Wildtype	Wildtype Wildtype	Present Present	Present Present	Present Absent	Absent Present
ERS180087	Wildtype	Wildtype	. resent	. result	Austin	1 resellt
EG0257_2874375	S83L	Wildtype				
K-62 ERS180102	Wildtype Wildtype	Wildtype Wildtype	Present	Absent	Absent	Absent
ERS180102 ERS180082	Wildtype	Wildtype	rtesent	Absent	Aosent	Absent
ERS180060	S83L.D87G	S80I				
ERS180149	Wildtype	Wildtype	D :	A.b	p	A1 .
ERS180099 ERS372313	Wildtype Wildtype	Wildtype Wildtype	Present	Absent	Present	Absent
USMDU00003050_S18	ND	ND	Present	Present	Absent	Absent
ERS369508	Wildtype	Wildtype	Present	Absent	Absent	Absent
USMDU00003042_S17	ND Wildtyne	ND Wildtyne	Present	Present	Absent	Absent
ERS180089 457/13	Wildtype Wildtype	Wildtype Wildtype	Present Present	Absent Present	Absent Absent	Absent Absent
ERS180068	S83L.D87G	S80I				
ERS180129	Wildtype	Wildtype	p	p	A L	A L
307/13	Wildtype ND	Wildtype ND	Present Present	Present Present	Absent Absent	Absent Absent
USMDU00003040 STI						
.USMDU00003040_S11 USMDU00003051_S21 ERS180137	ND Wildtype	ND Wildtype	Present Present	Present Absent	Absent Present	Absent Absent

AUSMDU00003029_S1	ND Wilden	ND Wildows	D	A b	A.b	Absent	
ERS180106 sh0341 4464345	Wildtype Wildtype	Wildtype Wildtype	Present	Absent	Absent	Absent	
503/13	ND	ND	Present	Present	Absent	Absent	
ERS369541	Wildtype	Wildtype					
AUSMDU00003048_S12	ND	ND	Present	Present	Absent	Absent	
ERS369468 12-070	Wildtype Wildtype	Wildtype Wildtype	Present Present	Absent Absent	Absent Absent	Absent Absent	
ERS369529	Wildtype	Wildtype	Present	Present	Absent	Absent	
AUSMDU00003033_S13	ND	ND	Present	Present	Absent	Absent	
ERS180066	Wildtype	Wildtype	Present Present	Absent Absent	Absent Absent	Absent Absent	
ERS180078 EG0198 2874374	Wildtype S83L	Wildtype Wildtype	Present	Absent	Absent	Absent	
ERS180083	Wildtype	Wildtype	Present	Absent	Present	Absent	
ERS031795	Wildtype	Wildtype					
ERS180114	Wildtype	Wildtype	Present	Absent	Absent	Absent	
ERS180121	Wildtype	Wildtype	Present Present	Absent Present	Absent Absent	Absent Absent	
AUSMDU00003045_S3 12-2560	ND Wildtype	ND Wildtype	Present	Absent	Absent	Absent	
K-9522	D87G	Wildtype	riesent	Absent	Absent	Absent	
ERS369506	Wildtype	Wildtype	Present	Present	Absent	Present	
293/13	Wildtype	Wildtype	Present	Present	Absent	Absent	
369/13B ERS369518	Wildtype	Wildtype	Present Present	Present Present	Absent Present	Absent Absent	
13-1398	Wildtype	Wildtype	riesent	riesent	riesent	Ausent	
ERS369525	Wildtype	Wildtype	Present	Present	Absent	Absent	
369/13A	Wildtype	Wildtype	Present	Present	Absent	Present	
K-734	Wildtype	Wildtype					
ERS372298 ERS369497	Wildtype Wildtype	Wildtype Wildtype	Present Present	Absent Absent	Present Absent	Absent Absent	
592/13	ND	Wildtype	Present	Present	Absent	Absent	
ERS180085	Wildtype	Wildtype	Present	Absent	Absent	Absent	
ERS369535	Wildtype	Wildtype	Present	Present	Present	Absent	
ERS369509	Wildtype	Wildtype	Present	Present	Absent	Absent	
Sh06-3638 EG0302_2874376	Wildtype	Wildtype Wildtype					
ERS180124	Wildtype Wildtype	Wildtype	Present	Absent	Absent	Absent	
ERS180075	Wildtype	Wildtype	Present	Absent	Absent	Absent	
K-9588	D87G	Wildtype					
AUSMDU00003030_S4	ND	ND	Present	Absent	Absent	Absent	
AUSMDU00003035_S19 351/13	ND Wildtype	ND Wildtype	Present Present	Present Present	Absent Present	Absent Absent	
351/13 13-6290	S83L.D87G.	S80I	riescill	result	result	Ausem	
K-9129	Wildtype	Wildtype					
AUSMDU00003043_S20	ND	ND	Present	Present	Absent	Absent	
663/13	Wildtype	Wildtype	Present	Absent	Absent	Absent	
ERS369498 ERS031786	Wildtype Wildtype	Wildtype Wildtype	Present	Absent	Absent	Absent	
ERS180071	S83L.D87G	S80I					
ERS369472	Wildtype	Wildtype	Present	Absent	Absent	Absent	
ERS369542	Wildtype	Wildtype	Present	Present	Absent	Absent	
ERS180147	Wildtype	Wildtype	Present	Absent	Absent	Absent	
548/13 AUSMDU00003031_S7	Wildtype ND	Wildtype ND	Present	Present	Absent	Absent	
80-11-164-2370	ND ND	ND					
ERS088022	Wildtype	Wildtype					
K-9454	D87G	Wildtype					
458/13	Wildtype	Wildtype	Present	Present	Absent	Absent	
806/13 287/13	Wildtype Wildtype	Wildtype Wildtype					
ERS180133	Wildtype	Wildtype	Present	Absent	Absent	Absent	
K-276	Wildtype	Wildtype					
ERS369526	S83L.D87G.	S80I					
ERS180092	ND	Wildtype	Present	Absent	Absent	Absent	
ERS369479 K-9411	S83L.D87G. S83L.D87G	S80I S80I					
DE0090 2868493	Wildtype	Wildtype					
AUSMDU00003052_S24	ND	ND	Present	Present	Absent	Absent	
ERS369545	Wildtype	Wildtype	Present	Present	Absent	Absent	
10-7674	2271.1	77.71 to	ъ.		ъ.		
ERS180100 ERS369517	Wildtype Wildtype	Wildtype Wildtype	Present Present	Absent Present	Present Absent	Absent Absent	
11-6955	Wildtype	Wildtype	riesent	riesent	Absent	Absent	
76/13	Wildtype	Wildtype	Present	Present	Absent	Absent	
ERS088047	Wildtype	Wildtype					
AUSMDU00003036_S22	ND Doze	ND	Present	Present	Absent	Absent	
K-10248 sh0315 4464319	D87G Wildtype	Wildtype Wildtype					
80-11-358-2172	S83L.D83G	S80I					
SF0743	ND	ND	Present	Absent	Absent	Absent	
Sh05-8094	Wildtype	Wildtype					
ERS369514	Wildtype	Wildtype	Present	Present	Absent	Absent	
ERS180135 ERS372309	Wildtype Wildtype	Wildtype Wildtype	Present Present	Absent Absent	Absent Absent	Absent Absent	
11-2240	Wildtype	Wildtype					
K-10368	D87G	Wildtype					
AUSMDU00003044_S23	ND Wildows	ND	Present	Present	Absent	Absent	
10-1295	Wildtype	Wildtype	Decear*	Denour*	A boort	Absent	
80-13-058-4645 ERS180117	ND Wildtype	ND Wildtype	Present Present	Present Absent	Absent Present	Absent Absent	
ERS180127	Wildtype	Wildtype	Present	Absent	Present	Absent	
ERS369503	Wildtype	Wildtype	Present	Absent	Absent	Absent	
136/13	ND	ND	Present	Present	Present	Absent	
ERS369495 80-12-110-4516	Wildtype S83L.D83G	Wildtype	Present	Present	Absent	Absent	
80-12-110-4516 80-12-011-3999	S83L.D83G S83L.D83G	S80I S80I					
Sh08-3483	Wildtype	Wildtype	Present	Absent	Present	Absent	
ERS180056	Wildtype	Wildtype	Present	Absent	Absent	Absent	
ERS369477	Wildtype	Wildtype					
ERS369544 443/13	Wildtype	Wildtype	Present Present	Present Present	Absent Absent	Absent Present	
12-6716	Wildtype S83L.D87G.	Wildtype S80I	riesent	riesent	Ausent	riesent	
ERS180097	Wildtype	Wildtype					
11-820	S83L.D87G.	S80I					
10-7290	Wildtype	Wildtype	Present	Absent	Absent	Absent	
ERS369504	Wildtype	Wildtype	Present	Present	Absent	Present	
ERS369538 Sh07-4848	Wildtype	Wildtype	Present	Present	Absent	Absent	
Sh07-4848 ERS369537	Wildtype Wildtype	Wildtype Wildtype	Present	Present	Absent	Absent	
K-9339	D87G	Wildtype	. resent	. resent	. 1030111	. roselit	
ERS369510	S83L.D87G.	S80I					
84/13	ND	Wildtype	Present	Present	Absent	Absent	
ERS180120	Wildtype	Wildtype	Present	Absent	Absent	Absent	
ERS369530 Sh05-0787	Wildtype Wildtype	Wildtype Wildtype	Present	Present	Absent	Present	
AUSMDU00003047 S9	ND	ND	Present	Present	Absent	Absent	
ERS180098	Wildtype	Wildtype	Present	Absent	Present	Absent	
SF1102	ND	ND	Present	Absent	Absent	Absent	
ERS369528	Wildtype	Wildtype	Present	Present	Absent	Absent	
407/13	Wildtype	Wildtype	Present	Present	Absent	Absent	

E-0.157							
FRSS0013							
150-13							
ESS080495				Present	Present	Absent	Absent
12-1897	ERS088049	Wildtype					
Sept-4409							
K. 9-278 DS-TG Wildspee Wildspee Present Absent Abse		Wildtype		Present	Absent	Absent	Absent
ESS/800104							
AUSMICHOROMOSIC_2510 ND							
36613	AUSMDU00003032_S10	ND	ND	Present	Present	Absent	Absent
EBSS-964-60							
AUSMIDU0003034_516 ND							
ERS180061							
ERSISBOTO							
R-10943	ERS180077		Wildtype				
ERS807995				Present	Present	Present	Absent
ERS.180475							
FRS.56475				Present	Absent	Absent	Absent
Session							
ERS 180112							
ERS369421				Present	Present	Present	Absent
ERS.169-462 Wildsype Wildsype Present Absent Absent Present Absent A				D	Document	A 1	A 1
Si07-3943							
ERS180076				resent	rosent	resent	rtosent
27/13	ERS180076			Present	Absent	Present	Absent
ERS180150			Wildtype				
ERS031772							
ERS180131				Present	Absent	Present	Absent
11-632				Present	Absent	Absent	Absent
ERS160470							
13-3909							
ERS169519						riesem	
ERS.169.12							
10-2493				riesch	Fresch	Absent	Fiesent
ERS180070 Wildtype Present Absent Present Absent Present ERS150539 Wildtype Wildtype Wildtype Wildtype Wildtype Wildtype ERS180125 Wildtype Wildtype Wildtype Wildtype Present Absent Absent Absent Absent K.9169 D87G Wildtype Present Absent Absent Absent Absent ERS180072 Wildtype Wildtype Present Absent Ab				Present	Absent	Present	Absent
ERS369539 Wildtype Wildtype Present Present Absent Present ERS180125 Wildtype Wildtype Wildtype Wildtype Wildtype Present Absent Abse				Present	Absent		Absent
ERS080505 Wildtype Present Absent							
ERS				Present	Present	Absent	Present
ERS							
RESI80010				Present	Absent	Present	Absent
RES180079	K-9169						
AUSMDU(00003049_S15							
AUSMDU00003046 S6							
ERS369499 Wildtype Wildtype Present Absent Present Absent A							
285/13 Wildtype Wildtype Present Present Absent Present				resent	Tresent	Absent	Absent
ERS180091 S831_D87G S801				Present	Present	Absent	Present
ERS369461 Wildtype Wildtype Present Absent Ab							
ERS369516 Wildtype Wildtype Present Present Absent A				ъ.			
198/13							
ERS.180122 Wildtype Wildtype Present Absent A							
ERS180095 Wildtype Wildtype Present Absent Ab							
Hard Wildtype							
ERS180084 D87N Wildtype Present Absent							
ERS180143				Present	Present	Absent	Absent
ERS369520 Wildtype Wildtype Present Present Absent Present Absent ERS180108 S831_D87G S801 S801 Absent Absent Absent ERS180108 S831_D87G S801 S801 Absent Absent Absent ERS180132 Wildtype Wildtype Present Absent Present Absent 69-9039 Wildtype Wildtype Present Absent Present Absent ERS180074 Wildtype Wildtype Present Absent Absent Absent ERS180094 Wildtype Wildtype Present Absent Absent Absent ERS180094 Wildtype Wildtype Present Absent Present Absent ERS180069 S81_D87G S801 Present Absent Present Absent ERS180072 Wildtype Wildtype Present Absent Absent Absent ERS180144 Wildtype Wildtype Present				Present	Absent	Absent	Absent
ERS180108 S81_D87G S801		Wildtype	Wildtype	Present	Present	Absent	Present
ERS180132				Present	Absent	Absent	Absent
ERS369500 Wildtype Wildtype Present Absent Absent Absent							
ERS180132				Present	Absent	Absent	Absent
09-9039 Wildtype Wildtype Present Absent A							
ERS369523 S831_D87G, S801 Wildtype Wildtype Wildtype Present Absent Present Absent ND ND ND Present Absent Present Absent Present Absent Present Absent Present Absent 09-9039	Wildtype	Wildtype	Present	Absent	Absent	Absent	
ERS180094				Present	Absent	Absent	Absent
201/13				Dro	A b	Dro	A 1
ERS180065 Wildtype Wildtype Present Absent Present Absent				Present	Absent	Present	Absent
ERS180069 S831_D87G S801				Present	Absent	Present	Absent
ERS180072 Wildtype Wildtype Present Absent Absent Absent	ERS180069	S83L.D87G	S80I				
10262_2868448 S831.		Wildtype					
ERS180140 Wildtype Wildtype Present Absent Absent Absent				Present	Absent	Absent	Absent
ERS031757 Wildtype Wildtype Present Absent Ab				Present	Absent	Absent	Absent
ERS180088 Wildtype Wildtype Present Absent Absent ERS369502 S81LD87G. S801 S801 05:11-032-2299 ND ND ND 237/13 ND ND Present Present Absent SF7955 ND ND Present Present Absent 290/13 ND Wildtype Present Present Present Absent 447/13 ND Wildtype Present Absent Present Absent 204/13 Wildtype Wildtype Present Present Absent Absent SF7787 ND ND Present Present Absent Absent							
ERS369502 S83LD87G. S801	ERS180088	Wildtype	Wildtype	Present	Absent	Absent	Absent
237/13 ND ND Present Present Present Absent SF7955 ND ND Present Present Absent 290/13 ND Wildtype Present Present Present Absent 447/13 ND Wildtype Present Absent Present Absent 204/13 Wildtype Wildtype Present Present Absent Absent SF7787 ND ND Present Present Absent Absent		S83L.D87G.	S80I				
SF7955 ND ND Present Present Absent Absent Absent 290/13 ND Wildtype Present Present Present Absent 447/13 ND Wildtype Present Absent Present Absent 204/13 Wildtype Wildtype Present Present Absent SF7787 ND ND Present Present Absent				Dro	Dro	Dro	A 1
290/13 ND Wildtype Present Present Present Absent 447/13 ND Wildtype Present Absent Present Absent 204/13 Wildtype Wildtype Present Present Absent SF7787 ND ND Present Present Absent							
447/13 ND Wildtype Present Absent Present Absent 204/13 Wildtype Wildtype Present Present Absent Absent SF7787 ND ND Present Present Absent Absent							
SF7787 ND ND Present Present Absent Absent	447/13	ND	Wildtype	Present	Absent	Present	Absent
			Wildtype				
EKS100117 WHIRITYPE WHIRITYPE Present Absent Absent Absent Absent							
	EK5180119	wiidtype	wiiutype	rresent	Ausent	Ausent	Absent

Sample name	mph(A)	erm(B)	blaTEM	mdtE	aph6id (strB)	aph33ib (strA)	sul2	dfra14
ERS180138	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
228/13 ERS369546	Present Present	Present Present	Present Present	Present Present	Absent Absent	Absent Absent	Absent Absent	Absent Absent
ERS369533	Present	Present	Present	Present	Absent	Absent	Absent	Absent
ERS369501	Present	Present	Present	Present	Absent	Absent	Absent	Absent
ERS369492 ERS180111	Absent	Absent	Absent	Present	Absent	Absent	Present	Absent
13-6754	Absent Present	Absent Present	Absent Present	Absent Present	Absent Absent	Absent Absent	Absent Absent	Absent Absent
ERS369507	Present	Present	Present	Present	Absent	Absent	Absent	Absent
ERS180128	Absent	Absent	Absent	Absent	Absent	Present	Absent	Present
ERS369522	Present	Present	Present	Present	Absent	Absent	Absent	Absent
AUSMDU00003039_S8 ERS088023	Present Absent	Present Absent	Present Absent	Present Present	Absent Present	Absent Present	Absent Present	Absent Present
11-719	Absent	Absent	Present	Present	Absent	Absent	Present	Absent
sh0368_4464372	Absent	Absent	Absent	Present	Present	Present	Present	Present
ERS180059	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
ERS180086	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
ERS180063 ERS180139	Absent Absent	Absent Absent	Absent Absent	Absent Absent	Absent Absent	Absent Absent	Absent Absent	Absent Absent
ERS180058	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
ERS369534	Present	Present	Present	Present	Absent	Absent	Absent	Absent
214/13	Present	Present	Present	Present	Absent	Absent	Absent	Absent
ERS088048 80-12-224-2372	Absent Absent	Absent Absent	Absent Absent	Present Present	Present Absent	Present Absent	Present Present	Present Absent
ERS369505	Present	Present	Present	Present	Absent	Absent	Absent	Absent
10-2529	Absent	Absent	Absent	Present	Absent	Absent	Absent	Absent
ERS180080	Absent	Absent	Present	Absent	Absent	Absent	Absent	Absent
sh0343_4464347	Absent	Absent	Absent	Present	Present	Present	Present	Present
11-278 695/13	Absent Absent	Absent Absent	Absent Absent	Present Absent	Absent Absent	Absent Absent	Absent Present	Absent Absent
Sh08-0350	Ausent	Absent	Absciit	Absciit	Atosciit	Absent	rresent	Absent
SF1677	Present	Present	Present	Present	Absent	Absent	Absent	Absent
10-1755	Absent	Absent	Absent	Present	Absent	Absent	Absent	Absent
ERS180116	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
ERS180096 365/13	Absent Present	Absent Present	Absent Present	Absent Present	Present Present	Present Present	Absent Present	Present Present
ERS180103	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
ERS369543	Present	Present	Present	Present	Absent	Absent	Absent	Absent
K-9292	Absent	Absent	Absent	Absent	Absent	Absent	Present	Absent
ERS180148	Absent	Absent	Absent	Absent	Present	Present	Present	Present
80-12-240-4928 12-1488	Absent Absent	Absent Absent	Absent Absent	Present Present	Absent Absent	Absent Absent	Absent Absent	Absent Absent
ERS180123	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
ERS180065	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
ERS369524	Present	Present	Present	Present	Absent	Absent	Absent	Absent
AUSMDU00003037_S2 ERS369496	Present Present	Present Present	Present Present	Present Present	Absent Present	Absent Present	Absent Present	Absent Present
415/13	Present	Present	Present	Present	Present	Present	Present	Present
461/13	Present	Present	Present	Present	Present	Present	Present	Present
ERS180105	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
ERS180136	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
ERS180130 580/13	Absent Present	Absent Present	Absent Present	Absent Present	Absent Absent	Absent Absent	Absent Absent	Absent Absent
K-9175	Absent	Absent	Absent	Absent	Present	Present	Present	Absent
ERS180093	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
ERS087994	Absent	Absent	Absent	Present	Present	Present	Present	Present
512/13	Absent	Absent	Absent	Present	Present	Present	Present	Present
K-9447 MS0105 2882369	Absent Absent	Absent Absent	Absent Absent	Present Absent	Present Present	Present Present	Present Present	Absent Absent
10-1391	Absent	Absent	Absent	Present	Absent	Absent	Absent	Absent
505/13	Present	Present	Present	Present	Present	Present	Present	Present
348/13	Absent	Absent	Absent	Present	Present	Present	Present	Present
115/13	Absent	Absent	Absent	Present	Absent	Absent	Absent	Absent
ERS369453 12-10736	Absent Absent	Absent Absent	Absent Absent	Present Present	Absent Absent	Absent Absent	Present Absent	Absent Absent
ERS180141	Present	Present	Present	Absent	Present	Present	Present	Present
ERS369476	Absent	Absent	Absent	Present	Absent	Absent	Absent	Absent
ERS369515	Present	Present	Present	Present	Absent	Absent	Absent	Absent
AUSMDU00003038_S5	Present	Present	Absent	Present	Absent	Absent	Absent	Absent
12-321 ERS369494	Absent Present	Absent Present	Absent Present	Present Present	Absent Present	Absent Present	Absent Present	Absent Present
ERS180142	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
sh0342_4464346	Absent	Absent	Absent	Present	Present	Present	Present	Present
MS0078_2882359	Absent	Absent	Present	Present	Present	Present	Present	Present
K-9444	Absent	Absent	Absent	Absent Present	Present	Present	Present	Absent
11-6611 ERS180115	Absent Absent	Absent Absent	Absent Absent	Present Absent	Absent Present	Absent Present	Absent Present	Absent Present
ERS369513	Present	Present	Present	Present	Absent	Absent	Absent	Absent
ERS369547	Present	Present	Present	Present	Absent	Present	Absent	Absent
ERS369527	Present	Present	Present	Present	Absent	Absent	Absent	Absent
EG0006_2874369 ERS180110	Absent Present	Absent Present	Absent Present	Absent Absent	Absent Present	Absent Present	Present Present	Absent Present
ERS180064	Absent	Absent	Present	Absent	Present	Present	Present	Present
ERS180109	Absent	Absent	Absent	Absent	Absent	Absent	Present	Absent
ERS369536	Present	Present	Present	Present	Absent	Absent	Absent	Absent
ERS180090	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
ERS369458 K-9413	Absent Absent	Absent Absent	Absent Absent	Present Absent	Absent Present	Absent Present	Absent Present	Absent Absent
K-9413 ERS369463	Absent Absent	Absent Absent	Absent Absent	Absent Present	Absent Absent	Present Absent	Absent Absent	Absent
ERS180067	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
ERS180081	Absent	Absent	Absent	Absent	Absent	Absent	Present	Absent
ERS369511	Present	Present	Present	Present	Absent	Absent	Absent	Absent
ERS180118 AUSMDU00003041 S14	Absent Present	Absent Present	Absent Present	Absent Present	Absent Absent	Absent Absent	Absent Absent	Absent Absent
ERS180126	Absent	Absent	Absent	Absent	Absent	Absent	Present	Absent
ERS369531	Present	Present	Present	Present	Present	Present	Present	Present
147/13	Present	Present	Present	Present	Absent	Absent	Absent	Absent
ERS180087	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
EG0257_2874375 K-62	Absent Absent	Absent Absent	Present Absent	Absent Absent	Present Absent	Present Absent	Present Present	Absent Absent
K-62 ERS180102	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
ERS180082	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
ERS180060	Absent	Absent	Absent	Absent	Absent	Absent	Present	Absent
	Absent	Absent	Absent	Absent	Present	Present	Present	Present
ERS180149	Absent Absent	Absent	Absent	Absent	Present	Present	Present	Present
ERS180149 ERS180099	Ansent	Absent Present	Absent Present	Present Present	Absent Absent	Absent Absent	Absent Absent	Absent Absent
ERS180149 ERS180099 ERS372313				Present	Absent	Absent	Absent	Absent
ERS180149 ERS180099 ERS372313	Present Absent	Absent	Absent					
ERS180149 ERS180099 ERS372313 AUSMDU00003050_S18 ERS369508	Present		Present	Present	Absent	Absent	Absent	Absent
ERS180149 ERS180099 ERS372313 AUSMDU00003050_S18 ERS369508 AUSMDU00003042_S17 ERS180089	Present Absent Present Absent	Absent Present Absent	Present Absent	Absent	Absent	Absent Absent	Absent	Absent
ERS180149 ERS180099 ERS372313 AUSMDU00003050_S18 ERS369508 AUSMDU00003042_S17 ERS180089 457/13	Present Absent Present Absent Present	Absent Present Absent Present	Present Absent Present	Absent Present	Absent Absent	Absent Absent Absent	Absent Absent	Absent Absent
ERS180149 ERS180099 ERS372313 AUSMDU00003050 S18 ERS369508 AUSMDU00003042_S17 ERS180089 457/13 ERS180068	Present Absent Present Absent Present Absent	Absent Present Absent Present Absent	Present Absent Present Absent	Absent Present Absent	Absent Absent Absent	Absent Absent Absent	Absent Absent Present	Absent Absent Absent
ERS180149 ERS180099 ERS372313 AUSMDU00003050_S18 ERS369508 AUSMDU00003042_S17 ERS180089 457/13 ERS180068 ERS180129	Present Absent Present Absent Present Absent Absent	Absent Present Absent Present Absent Absent	Present Absent Present Absent Absent	Absent Present Absent Absent	Absent Absent Absent Present	Absent Absent Absent Absent Present	Absent Absent Present Present	Absent Absent Absent Present
ERS180149 ERS180099 ERS372313 AUSMDU00003050 S18 ERS369508 AUSMDU00003042_S17 ERS180089 457/13 ERS180068	Present Absent Present Absent Present Absent	Absent Present Absent Present Absent	Present Absent Present Absent	Absent Present Absent	Absent Absent Absent	Absent Absent Absent	Absent Absent Present	Absent Absent Absent
ERS180149 ERS180099 ERS372313 AUSMDU00003050 S18 ERS369508 AUSMDU00003042 S17 ERS180089 457/13 ERS180068 ERS180129 307/13	Present Absent Present Absent Present Absent Absent Absent Present	Absent Present Absent Present Absent Absent Absent Present	Present Absent Present Absent Absent Present	Absent Present Absent Absent Present	Absent Absent Absent Present Absent	Absent Absent Absent Absent Present Absent	Absent Absent Present Present Absent	Absent Absent Absent Present Absent

AUSMDU00003029_S1	Absent	Absent	Absent	Present	Absent	Absent	Absent	Absent
ERS180106	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
sh0341_4464345	Absent	Absent	Absent	Present	Present	Present	Present	Present
503/13 ERS369541	Present Absent	Present Absent	Present Absent	Present Present	Present Absent	Present Absent	Absent Absent	Absent Absent
AUSMDU00003048 S12	Present	Present	Present	Present	Absent	Absent	Absent	Absent
ERS369468	Absent	Absent	Absent	Present	Absent	Absent	Absent	Absent
12-070	Absent	Absent	Absent	Present	Absent	Absent	Absent	Absent
ERS369529	Present	Present	Present	Present	Absent	Absent	Absent	Absent
AUSMDU00003033 S13	Present	Present	Present	Present	Absent	Absent	Absent	Absent
ERS180066	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
ERS180078	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
EG0198 2874374	Absent	Absent	Present	Absent	Present	Present	Present	Absent
ERS180083	Present	Absent	Absent	Absent	Present	Present	Present	Present
ERS031795	Absent	Absent	Present	Absent	Present	Present	Present	Present
ERS180114	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
ERS180121	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
AUSMDU00003045_S3	Present	Present	Present	Present	Absent	Absent	Absent	Absent
12-2560	Absent	Absent	Present	Present	Absent	Absent	Absent	Absent
K-9522	Absent	Absent	Absent	Present	Present	Present	Present	Absent
ERS369506	Present	Present	Present	Present	Absent	Absent	Absent	Absent
293/13	Present	Present	Present	Present	Absent	Absent	Absent	Absent
369/13B	Present	Present	Present	Present	Absent Present	Absent	Absent	Absent
ERS369518 13-1398	Present	Present	Present	Present	Present	Present	Present	Present
ERS369525	Present	Present	Present	Present	Absent	Absent	Absent	Absent
369/13A	Present	Present	Present	Present	Absent	Absent	Absent	Absent
K-734	Absent	Absent	Absent	Absent	Absent	Absent	Present	Absent
ERS372298	Absent	Absent	Present	Present	Present	Present	Present	Absent
ERS369497	Absent	Absent	Absent	Present	Absent	Absent	Absent	Absent
592/13	Present	Absent	Present	Present	Absent	Absent	Absent	Absent
ERS180085	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
ERS369535	Present	Present	Present	Present	Present	Present	Present	Present
ERS369509	Present	Present	Present	Present	Absent	Absent	Absent	Absent
Sh06-3638	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
EG0302_2874376	Absent	Absent	Absent	Present	Absent	Absent	Present	Absent
ERS180124	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
ERS180075	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
K-9588	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
AUSMDU00003030_S4	Absent	Absent	Absent	Present	Absent	Absent	Absent	Absent
AUSMDU00003035_S19	Present Present	Present Present	Present Present	Present Present	Absent Present	Absent Present	Absent Present	Absent Present
351/13 13-6290	Present Absent	Present Absent	Present Absent	Present Present	Present Absent	Present Absent	Present Present	Present Absent
K-9129	Absent	Absent	Absent	Present	Absent	Absent	Absent	Absent
AUSMDU00003043 S20	Present	Present	Present	Present	Absent	Absent	Absent	Absent
663/13	Absent	Absent	Absent	Present	Absent	Absent	Absent	Absent
ERS369498	Absent	Absent	Absent	Present	Absent	Absent	Absent	Absent
ERS031786	Absent	Absent	Absent	Absent	Absent	Absent	Present	Absent
ERS180071	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
ERS369472	Absent	Absent	Absent	Present	Absent	Absent	Absent	Absent
ERS369542	Present	Present	Present	Present	Absent	Absent	Absent	Absent
ERS180147	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
548/13	Present	Present	Present	Present	Absent	Absent	Present	Present
AUSMDU00003031_S7	Absent	Absent	Absent	Present	Absent	Absent	Absent	Absent
80-11-164-2370	Absent	Absent	Absent	Present	Present	Present	Present	Present
ERS088022	Absent	Absent	Absent	Present	Present	Present	Present	Present
K-9454	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
458/13	Present	Present	Present	Present	Absent	Absent	Absent	Absent
806/13 287/13	Absent Absent	Absent Absent	Absent Absent	Present Present	Present Absent	Present Absent	Present Absent	Present Absent
ERS180133	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
K-276	Absent	Absent	Absent	Absent	Absent	Absent	Present	Absent
ERS369526	Absent	Absent	Absent	Present	Absent	Absent	Present	Absent
ERS180092	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
ERS369479	Absent	Absent	Absent	Present	Absent	Absent	Present	Absent
K-9411	Absent	Absent	Absent	Present	Absent	Absent	Present	Absent
DE0090 2868493	Absent	Absent	Absent	Absent	Absent	Absent	Present	Absent
AUSMDU00003052 S24	Present	Present	Present	Present	Absent	Absent	Absent	Absent
ERS369545	Present	Present	Present	Present	Absent	Absent	Absent	Absent
10-7674								
ERS180100	Absent	Absent	Absent	Absent	Present	Present	Present	Present
ERS369517	Present	Present	Present	Present	Present	Absent	Present	Absent
11-6955	Absent	Absent	Absent	Present	Present	Present	Present	Absent
76/13	Present	Present	Present	Present	Absent	Absent	Absent	Absent
ERS088047	Absent	Absent	Absent	Present	Present	Present	Present	Present
AUSMDU00003036_S22	Present	Present	Present	Present Present	Absent	Absent	Absent	Absent
K-10248 sh0315 4464319	Absent Absent	Absent Absent	Present Absent	Present	Absent Present	Absent Present	Absent Present	Absent Present
80-11-358-2172	Absent	Absent	Absent	Present	Absent	Absent	Present	Absent
SF0743	Absent	Absent	Absent	Present	Absent	Absent	Absent	Absent
Sh05-8094	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
ERS369514	Present	Present	Present	Present	Absent	Absent	Absent	Absent
ERS180135	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
ERS372309	Absent	Absent	Absent	Present	Absent	Absent	Present	Absent
11-2240	Absent	Absent	Absent	Present	Present	Present	Present	Present
K-10368	Present	Absent	Present	Absent	Absent	Absent	Absent	Absent
AUSMDU00003044_S23	Present	Present	Present	Present	Absent	Absent	Absent	Absent
10-1295	Absent	Absent	Absent	Present	Present	Present	Present	Present
80-13-058-4645 EBS180117	Present	Absent	Present	Present	Absent Present	Absent	Absent	Absent
ERS180117 EPS180127	Absent	Absent	Absent	Absent	Present Present	Present	Present	Present
ERS180127 ERS369503	Absent Absent	Absent Absent	Absent Present	Absent Present	Present Absent	Present Absent	Present Absent	Present Absent
136/13	Present	Absent	Present	Present	Present	Present	Present	Present
ERS369495	Present	Present	Present	Present	Absent	Absent	Absent	Absent
80-12-110-4516	Absent	Absent	Absent	Present	Absent	Absent	Present	Absent
80-12-011-3999	Absent	Absent	Absent	Present	Absent	Absent	Present	Absent
Sh08-3483	Absent	Absent	Absent	Absent	Present	Present	Present	Present
ERS180056	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
ERS369477	Absent	Absent	Absent	Present	Absent	Absent	Absent	Absent
ERS369544	Present	Present	Present	Present	Absent	Absent	Absent	Absent
443/13	Present	Present	Present	Present	Absent	Absent	Absent	Absent
12-6716	Absent	Absent	Absent	Present	Absent	Absent	Absent	Absent
ERS180097	Absent	Absent	Absent	Absent	Present	Present	Present	Present
11-820	Absent	Absent	Absent	Present	Absent	Absent	Absent	Absent
10-7290 EP\$360504	Absent	Absent	Absent	Present	Absent	Absent	Absent	Absent
ERS369504 ERS369538	Present Present	Present Present	Present Present	Present Present	Absent Absent	Absent Absent	Absent Absent	Absent Absent
ERS369538 Sh07-4848	Absent	Absent	Absent	Absent	Absent Present	Absent	Absent Present	Absent Present
Sn07-4848 ERS369537	Present	Present	Present	Present	Absent	Absent	Absent	Absent
K-9339	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
ERS369510	Absent	Absent	Absent	Absent	Absent	Absent	Present	Absent
84/13	Present	Present	Present	Present	Absent	Absent	Absent	Absent
ERS180120	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
		ъ .	Present	Present	Absent	Absent	Absent	Absent
ERS369530	Present	Present						
ERS369530 Sh05-0787	Present Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
ERS369530 Sh05-0787 AUSMDU00003047_S9	Present Absent Present	Absent Present	Absent Present	Present	Absent	Absent	Absent	Absent
ERS369530 Sh05-0787 AUSMDU00003047_S9 ERS180098	Present Absent Present Absent	Absent Present Absent	Absent Present Absent	Present Absent	Absent Present	Absent Present	Absent Present	Absent Present
ERS369530 Sh05-0787 AUSMDU00003047_S9 ERS180098 SF1102	Present Absent Present Absent Absent	Absent Present Absent Absent	Absent Present Absent Present	Present Absent Present	Absent Present Absent	Absent Present Absent	Absent Present Absent	Absent Present Absent
ERS369530 Sh05-0787 AUSMDU00003047_S9 ERS180098 SF1102 ERS369528	Present Absent Present Absent Absent Present	Absent Present Absent Absent Present	Absent Present Absent Present Present	Present Absent Present Present	Absent Present Absent Absent	Absent Present Absent Absent	Absent Present Absent Absent	Absent Present Absent Absent
ERS369530 Sh05-0787 AUSMDU00003047_S9 ERS180098 SF1102	Present Absent Present Absent Absent	Absent Present Absent Absent	Absent Present Absent Present	Present Absent Present	Absent Present Absent	Absent Present Absent	Absent Present Absent	Absent Present Absent

K-9375	Present	Present	Present	Present	Present	Present	Present	Absent
ERS180073	Absent						Present	
		Absent	Absent	Absent	Absent	Absent		Absent
ERS180113	Absent							
106/13	Present	Present	Present	Present	Absent	Absent	Absent	Absent
ERS088049	Absent	Absent	Absent	Present	Present	Present	Present	Present
ERS180057	Absent	Absent	Absent	Absent	Present	Present	Present	Present
12-1897	Absent	Absent	Absent	Present	Absent	Absent	Absent	Absent
						Present	Present	
Sh09-4409	Absent	Absent	Absent	Absent	Present			Present
K-9278	Absent	Absent	Absent	Present	Absent	Absent	Absent	Absent
ERS180104	Absent							
AUSMDU00003032_S10	Present	Present	Present	Present	Absent	Absent	Absent	Absent
627/13	Absent	Absent	Present	Present	Present	Present	Present	Present
368/13	Absent	Absent	Present	Present	Present	Present	Present	Present
ERS369460	Absent	Absent	Absent	Present	Absent	Absent	Absent	Absent
AUSMDU00003034_S16	Present	Present	Present	Present	Absent	Absent	Absent	Absent
ERS180061	Absent							
ERS180077	Absent	Absent	Absent	Absent	Present	Present	Present	Present
388/13	Present	Present	Present	Present	Present	Present	Present	Present
				Present				
K-10343	Absent	Absent	Absent		Absent	Absent	Absent	Absent
ERS087995	Absent	Absent	Absent	Present	Absent	Absent	Absent	Absent
ERS180145	Absent	Absent	Absent	Absent	Present	Present	Present	Absent
ERS369475	Absent	Absent	Absent	Present	Absent	Absent	Absent	Absent
5/63								
ERS369493	Present	Present	Present	Present	Present	Present	Present	Present
ERS180112	Absent							
ERS369521	Present	Present	Present	Present	Absent	Absent	Absent	Absent
ERS369462	Present	Absent	Absent	Present	Present	Present	Present	Present
Sh07-4943	Absent							
ERS180076	Absent	Absent	Absent	Absent	Present	Present	Present	Present
179/13	Present	Present	Present	Present	Absent	Absent	Absent	Absent
217/13	Present	Present	Present	Present	Absent	Absent	Absent	Absent
ERS180150	Absent	Absent	Absent	Absent	Present	Present	Present	Present
ERS031772	Absent	Absent	Absent	Absent	Present	Present	Present	Absent
ERS180131	Absent							
11-632	Absent	Absent	Absent	Present	Absent	Absent	Absent	Absent
ERS180107	Absent							
ERS369470	Absent	Absent	Absent	Present	Present	Present	Present	Present
13-3909	Present	Present	Present	Present	Absent	Absent	Absent	Absent
ERS369519	Present	Present	Present	Present	Absent	Absent	Absent	Absent
ERS369512	Absent	Absent	Absent	Present	Absent	Absent	Absent	Absent
10-2493	Absent	Absent	Absent	Present	Present	Present	Present	Present
ERS180070	Absent	Absent	Absent	Absent	Present	Present	Present	Present
80-12-339-4617	Absent	Absent	Present	Present	Present	Present	Present	Absent
ERS369539	Present	Absent	Present	Present	Absent	Absent	Absent	Absent
ERS088050	Present	Absent	Present	Present	Present	Present	Present	Present
ERS180125	Absent							
ERS180146	Absent	Absent	Absent	Absent	Present	Present	Present	Present
K-9169	Absent	Absent	Absent	Present	Absent	Absent	Absent	Absent
ERS180101	Absent							
ERS180079	Absent		Absent	Absent			Absent	
		Absent			Absent	Absent		Absent
AUSMDU00003049_S15	Present	Present	Present	Present	Absent	Absent	Absent	Absent
AUSMDU00003046_S6	Present	Present	Present	Present	Absent	Absent	Absent	Absent
ERS369499	Absent	Absent	Absent	Present	Present	Present	Present	Present
285/13	Present	Present	Present	Present	Absent	Absent	Absent	Absent
sh0313 4464317	Absent	Absent	Absent	Present	Absent	Absent	Absent	Absent
ERS180091	Absent							
ERS369461	Present	Absent	Absent	Present	Absent	Absent	Absent	Absent
ERS369516	Present	Present	Present	Present	Present	Present	Present	Present
198/13	Present	Present	Present	Present	Absent	Absent	Absent	Absent
ERS369457	Absent	Absent	Absent	Present	Absent	Absent	Absent	Absent
ERS180095	Absent							
ERS180122	Absent							
414/13	Present	Present	Present	Present	Absent	Absent	Absent	Absent
ERS180084	Absent	Absent	Absent	Absent	Present	Present	Present	Absent
ERS180143	Absent							
ERS369520	Present	Present	Present	Present	Absent	Absent	Absent	Absent
ERS180134	Absent							
ERS180108	Absent							
K-9256	Absent	Absent	Absent	Absent	Present	Present	Present	Absent
ERS369500	Absent	Absent	Absent	Present	Absent	Absent	Absent	Absent
ERS180132	Absent	Absent	Absent	Absent	Present	Present	Present	Present
09-9039	Absent	Absent	Absent	Present	Absent	Absent	Absent	Absent
ERS180074	Absent							
ERS369523	Absent	Absent	Absent	Present	Absent	Absent	Present	Absent
ERS180094	Absent	Absent	Absent	Absent	Present	Present	Present	Present
201/13	Absent	Absent	Absent	Present	Present	Present	Present	Present
ERS180055	Absent	Absent	Absent	Absent	Present	Present	Present	Present
ERS180069	Absent							
ERS180144	Absent							
ERS180072	Absent							
10262_2868448	Absent	Absent	Present	Present	Present	Present	Present	Absent
ERS180140	Absent							
ERS031757	Absent	Absent	Absent	Absent	Present	Present	Absent	Absent
ERS180088	Absent	Absent		Absent				Absent
			Absent		Absent	Absent	Absent	
ERS369502	Absent	Absent	Absent	Present	Absent	Absent	Present	Absent
05-11-032-2299	Absent	Absent	Absent	Present	Present	Present	Present	Absent
237/13	Present	Present	Present	Present	Present	Present	Present	Present
SF7955	Present	Present	Present	Present	Absent	Absent	Absent	Absent
290/13	Present	Present	Present	Present	Present	Present	Present	Present
				Present				
447/13	Absent	Absent	Present		Present	Present	Present	Present
204/13	Present	Present	Present	Present	Absent	Absent	Absent	Absent
SF7787	Present	Present	Present	Present	Absent	Absent	Absent	Absent
ERS180119	Absent							

	Sample name	sul1	bl2d oxa1	catA1	dfrA17	emrD	dfrA12	dfrA1	Anti ant2ia	microbial resistan catA2
	ERS180138	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
	228/13	Present	Absent	Absent	Present	Absent	Absent	Absent	Absent	Absent
	ERS369546	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
	ERS369533 ERS369501	Absent Absent	Present Present	Present Present	Absent Absent	Absent Absent	Absent Absent	Absent Absent	Absent Absent	Absent Absent
	ERS369492	Absent	Absent	Present	Absent	Absent	Absent	Present	Absent	Absent
	ERS180111	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
	13-6754	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
	ERS369507 ERS180128	Absent Absent	Present Present	Present Present	Absent Absent	Absent Absent	Absent Absent	Absent Absent	Absent Absent	Absent Absent
	ERS369522	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
,	AUSMDU00003039 S8	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
	ERS088023	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
	11-719	Absent	Absent	Present	Absent	Absent	Absent	Present	Absent	Absent
	sh0368_4464372 ERS180059	Absent Absent	Absent Present	Absent Present	Absent Absent	Absent Absent	Absent Absent	Absent Absent	Absent Absent	Absent
	ERS180086	Absent	Absent	Present	Absent	Absent	Absent	Present	Absent	Absent Absent
	ERS180063	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
	ERS180139	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
	ERS180058	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
	ERS369534 214/13	Absent Present	Present Absent	Present Absent	Absent Present	Absent Absent	Absent Absent	Absent Absent	Absent Absent	Absent Absent
	ERS088048	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
	80-12-224-2372	Absent	Absent	Present	Absent	Absent	Absent	Present	Absent	Absent
	ERS369505	Present	Absent	Absent	Present	Absent	Absent	Absent	Absent	Absent
	10-2529	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
	ERS180080 sh0343 4464347	Present Absent	Absent Absent	Present Absent	Present Absent	Absent Absent	Absent Absent	Present Absent	Absent Absent	Absent Absent
	11-278	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
	695/13	Present	Absent	Present	Absent	Absent	Absent	Present	Absent	Absent
	Sh08-0350									
	SF1677	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
	10-1755 ERS180116	Absent Absent	Present Present	Present Present	Absent Absent	Absent Absent	Absent Absent	Absent Absent	Absent Absent	Absent Absent
	ERS180096	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
	365/13	Absent	Absent	Present	Absent	Absent	Absent	Absent	Absent	Absent
	ERS180103	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
	ERS369543 K-9292	Absent	Present	Present Present	Absent Absent	Absent	Absent Absent	Absent Present	Absent	Absent Absent
	K-9292 ERS180148	Absent Absent	Absent Present	Present Present	Absent	Absent Absent	Absent	Absent	Absent Absent	Absent
	80-12-240-4928	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
	12-1488	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
	ERS180123	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
	ERS180065 ERS369524	Absent	Present	Present	Absent Present	Absent	Absent	Absent	Absent	Absent
Ι.	AUSMDU00003037 S2	Present Absent	Absent Absent	Absent Present	Absent	Absent Absent	Absent Absent	Absent Absent	Absent Absent	Absent Absent
1	ERS369496	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
	415/13	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
	461/13	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
	ERS180105 ERS180136	Absent	Present Absent	Present	Absent Absent	Absent	Absent Absent	Absent Present	Absent	Absent Absent
	ERS180130	Absent Absent	Present	Present Present	Absent	Absent Absent	Absent	Absent	Absent Absent	Absent
	580/13	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
	K-9175	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
	ERS180093	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
	ERS087994	Absent	Absent Present	Absent Present	Absent Absent	Absent Absent	Absent Absent	Absent Absent	Absent	Absent Absent
	512/13 K-9447	Absent Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent Absent	Absent
	MS0105 2882369	Absent	Present	Present	Absent	Absent	Absent	Present	Absent	Absent
	10-1391	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
	505/13	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
	348/13 115/13	Absent Absent	Present Absent	Present Present	Absent Absent	Absent Absent	Absent Absent	Absent Absent	Absent Absent	Absent Absent
	ERS369453	Absent	Absent	Present	Absent	Absent	Absent	Present	Absent	Absent
	12-10736	Absent	Absent	Present	Absent	Absent	Absent	Present	Absent	Absent
	ERS180141	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
	ERS369476	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
	ERS369515 AUSMDU00003038 S5	Present Absent	Absent Present	Absent Present	Present Absent	Absent Absent	Absent Absent	Absent Absent	Absent Absent	Absent Absent
· '	12-321	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
	ERS369494	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
	ERS180142	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
	sh0342_4464346	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
	MS0078_2882359 K-9444	Absent Absent	Present	Present	Absent Absent	Absent	Absent	Absent Absent	Absent	Absent
	11-6611	Absent	Absent Present	Absent Present	Absent	Absent Absent	Absent Absent	Absent	Absent Absent	Absent Absent
	ERS180115	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
	ERS369513	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
	ERS369547	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
	ERS369527 EG0006 2874369	Absent Absent	Present Absent	Present Present	Absent Absent	Absent Absent	Absent Absent	Absent Present	Absent Absent	Absent Absent
	ERS180110	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
	ERS180064	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
	ERS180109	Absent	Absent	Present	Absent	Absent	Absent	Present	Absent	Absent
	ERS369536	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
	ERS180090 ERS369458	Absent Absent	Present Present	Present Present	Absent Absent	Absent Absent	Absent Absent	Absent Absent	Absent Absent	Absent Absent
	K-9413	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
	ERS369463	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
	ERS180067	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
	ERS180081 ERS360511	Absent	Absent	Present	Absent	Absent	Absent	Present	Absent	Absent
	ERS369511 ERS180118	Absent Absent	Present Present	Present Present	Absent Absent	Absent Absent	Absent Absent	Absent Absent	Absent Absent	Absent Absent
_ A	AUSMDU00003041 S14	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
Ι ΄	ERS180126	Absent	Absent	Present	Absent	Absent	Absent	Present	Absent	Absent
	ERS369531	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
	147/13	Present	Absent	Absent	Present	Absent	Absent	Absent	Absent	Absent
	ERS180087 EG0257 2874375	Absent Absent	Present Absent	Present Present	Absent Absent	Absent Absent	Absent Absent	Absent Present	Absent Absent	Absent Absent
	K-62	Absent	Absent	Present	Absent	Absent	Absent	Present	Absent	Absent
	ERS180102	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
	ERS180082	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
	ERS180060	Absent	Absent	Present	Absent	Absent	Absent	Present	Absent	Absent
	ERS180149 ERS180099	Absent Absent	Present Present	Present Present	Absent Absent	Absent Absent	Absent Absent	Absent Absent	Absent Absent	Absent Absent
	ERS372313	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
	AUSMDU00003050_S18	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
Α	ERS369508	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
	AUSMDU00003042_S17	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
		Absent Absent	Present Present	Present Present	Absent Absent	Absent Absent	Absent Absent	Absent Absent	Absent Absent	Absent Absent
	ERS180089 457/13			1 1 CSCIII	Ausent	AUSCIII	AUSCIII	AUSCIII	AUSCIII	AUSCIII
	457/13 ERS180068	Absent	Absent	Present	Absent	Absent	Absent	Present	Absent	Absent
	457/13		Absent Present	Present Present	Absent Absent	Absent Absent	Absent Absent	Present Absent	Absent Absent	Absent Absent
Α	457/13 ERS180068 ERS180129 307/13	Absent Absent Absent	Present Present	Present Present	Absent Absent	Absent Present	Absent Absent	Absent Absent	Absent Absent	Absent Absent
A	457/13 ERS180068 ERS180129 307/13 AUSMDU00003040_S11	Absent Absent Absent Absent	Present Present Present	Present Present Present	Absent Absent Absent	Absent Present Absent	Absent Absent Absent	Absent Absent Absent	Absent Absent Absent	Absent Absent Absent
A	457/13 ERS180068 ERS180129 307/13	Absent Absent Absent	Present Present	Present Present	Absent Absent	Absent Present	Absent Absent	Absent Absent	Absent Absent	Absent Absent

AUSMDU00003029 S1	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS180106	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
sh0341 4464345	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
503/13	Absent	Absent	Absent	Present	Absent	Absent	Absent	Absent	Absent
ERS369541	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
AUSMDU00003048 S12	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS369468	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
12-070	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS369529	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
AUSMDU00003033_S13	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS180066	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS180078	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
EG0198_2874374	Absent	Absent	Present	Absent	Absent	Absent	Present	Absent	Absent
ERS180083	Present	Present	Present	Absent	Absent	Present	Absent	Absent	Absent
ERS031795	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS180114	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS180121	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
AUSMDU00003045_S3	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
12-2560	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
K-9522	Present	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
ERS369506	Present	Absent	Absent	Present	Absent	Absent	Absent	Absent	Absent
293/13	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
369/13B	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS369518	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
13-1398									
ERS369525	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
369/13A	Present	Absent	Absent	Present	Absent	Absent	Absent	Absent	Absent
K-734	Absent	Absent	Present	Absent	Absent	Absent	Present	Absent	Absent
ERS372298	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS369497	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
592/13	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS180085	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS369535	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS369509 Sh06-3638	Absent	Present Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
EG0302 2874376	Absent Absent	Absent	Present Present	Absent Absent	Absent Absent	Absent Absent	Absent Present	Absent Absent	Absent Absent
ERS180124	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS180075	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
K-9588	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
AUSMDU00003030_S4	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
AUSMDU00003035_S19	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
351/13	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
13-6290	Absent	Absent	Present	Absent	Absent	Absent	Present	Absent	Absent
K-9129	Absent	Absent	Present	Absent	Absent	Absent	Present	Absent	Absent
AUSMDU00003043_S20	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
663/13	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS369498	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS031786	Absent	Absent	Present	Absent	Absent	Absent	Present	Absent	Absent
ERS180071	Absent	Absent	Present	Absent	Absent	Absent	Present	Absent	Absent
ERS369472	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS369542	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS180147	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
548/13	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
AUSMDU00003031 S7	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
80-11-164-2370	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS088022	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
K-9454	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
458/13	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
	Absent	Present	Present						Absent
806/13 287/13	Absent	Present	Present	Absent Absent	Absent Absent	Absent Absent	Absent Absent	Absent Absent	Absent
ERS180133	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
K-276	Absent	Absent	Present	Absent	Absent	Absent	Present	Absent	Absent
ERS369526	Absent	Absent	Present	Absent	Absent	Absent	Present	Absent	Absent
ERS180092	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS369479	Absent	Absent	Present	Absent	Absent	Absent	Present	Absent	Absent
K-9411	Absent	Absent	Present	Absent	Absent	Absent	Present	Absent	Absent
DE0090_2868493	Absent	Absent	Present	Absent	Absent	Absent	Present	Absent	Absent
AUSMDU00003052_S24	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS369545	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
10-7674									
ERS180100	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS369517	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
11-6955	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
76/13	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS088047	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
AUSMDU00003036 S22	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
K-10248	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
sh0315_4464319	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
80-11-358-2172	Absent	Absent	Present	Absent	Absent	Absent	Present	Absent	Absent
SF0743	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
Sh05-8094	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS369514	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS180135	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS372309	Absent	Present	Present	Absent	Absent	Absent	Present	Absent	Absent
11-2240	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
K-10368	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
AUSMDU00003044 S23	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
10-1295	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
80-13-058-4645	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS180117	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS180127	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS369503	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
136/13 ERS369495	Absent Absent	Present Present	Present Present	Absent Absent	Absent Absent	Absent Absent	Absent Absent	Absent Absent	Absent Absent
80-12-110-4516	Absent	Absent	Present	Absent	Absent	Absent	Present	Absent	Absent
80-12-011-3999	Absent	Absent	Present	Absent	Absent	Absent	Present	Absent	Absent
Sh08-3483	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS180056	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS369477	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS369544	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
443/13	Present	Absent	Absent	Present	Absent	Absent	Absent	Absent	Absent
12-6716	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
ERS180097	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
11-820	Absent	Absent	Present	Absent	Absent	Absent	Present	Absent	Absent
10-7290	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS369504	Present	Absent	Absent	Present	Absent	Absent	Absent	Absent	Absent
ERS369538	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
Sh07-4848	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS369537	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
K-9339	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
ERS369510	Absent	Absent	Present	Absent	Absent	Absent	Present	Absent	Absent
84/13	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS180120	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS369530	Present	Absent	Absent	Present	Absent	Absent	Absent	Absent	Absent
Sh05-0787	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
AUSMDU00003047_S9	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS180098	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
SF1102	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
ERS369528	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
407/13	Absent	Present	Present	Absent	Absent	Absent	Absent		Absent
407/15	Absent	rresent	rresent	Absent	Absent	Absent	Absent	Absent	Aosent

Activity Absent										
15.15.1011 About										
1607.11 Morett Aboutt										
SESSION Abest Ab	ERS180113	Absent	Absent	Present	Absent	Absent	Absent	Present	Absent	Absent
BISSISSEY Abent Present Present Abent Aben		Absent	Absent	Present	Absent	Absent	Absent	Absent	Absent	Absent
S.1977 About Proceed Proceed About	ERS088049	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
September Sept	ERS180057	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
September Sept	12-1897	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
E-278 Abent About Abou					Absent					Absent
SESSISSION About Procest Procest About Abo										
AUSENT-MONORAGE Special Present Absent										
SC-715										
\$3613 Abent Aben										
SESSISSION Abert Proceed Proceed Abert Abe										
ASSERTIONOMORIA_SIGO Absent Present Present Absent Abs		Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS10007	ERS369460	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS10007	AUSMDU00003034 S16	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
BEST80777 Absent Present Present Absent Absen										
\$38173										
ER. 1934 Abent										
FSSR19965 About										
ER\$130147										
FRS.00975										
FESS/00712		Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
BESS/0491	ERS369475	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
BESS/0491	5/63									
ERSI-9012		Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERSS/9612					Absent					Δbsent
ERS109072										
Sept. Sept. Sept. About Abou										
ESS180076										
17913 Absent Present Present Absent										
217/15										
ERS190172 Present Present Absent Absen										
ERS190172 Present Present Absent Absen	217/13	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
FRS031712 Present Present Present Absent Abse					Absent					Absent
ERS/180/131 Absent Present Present Absent Abs										
11-632										
ERS/880/07										
ERSS/9470										
13-3909 Absent Present Present Absent										
ERS.596/519										
ERS.596/512 Absent Present Present Absent Abs		Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
10-2493 Absent Present Present Absent	ERS369519	Present	Absent	Absent	Present	Absent	Absent	Absent	Absent	Absent
10-2493 Absent Present Present Absent	ERS369512	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
FRS 18070										
80.12-339-4617										
FRS.569539										
ERS/08/05/06 Absent Abse										
ERS180125 Absent										
ERS1801-16 Absent										
ERS 180101 Absent	ERS180125	Absent	Absent	Absent	Absent	Absent	Absent	Absent		Absent
ERS180101 Absent Present Present Absent Absen	ERS180146	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS180101 Absent Present Present Absent Absen		Absent	Absent		Absent	Absent		Absent		Absent
ERS180079 Absent Present Present Absent Absen					Absent	Absent				Absent
AUSMDU00003049 S15 Absent Present Absent Abs										
AUSMD100003046-S6 Absent Absent Present Absent Abse										
ERS.596499 Absent Present Absent Absen										
285/13										
\$40313 4464317 Absent	ERS369499	Absent				Absent				Absent
ERS180091 Absent Present Present Present Present Absent Absent Absent Absent Present Absent ERS369516 Absent Present Present Absent	285/13	Present	Absent	Absent	Present	Absent	Absent	Absent	Absent	Absent
ERS369461 Present Present Present Present Absent Absent Absent Absent Absent Absent Absent Present Present Present Present Absent sh0313 4464317	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	
ERS369461 Present Present Present Present Absent Absent Absent Absent Absent Absent Absent Present Present Present Present Absent ERS180091	Absent	Absent	Present	Absent	Absent	Absent	Present	Absent	Absent	
ERS369516 Absent Present Present Absent Absen										
198/13										
ERSI-80095 Absent Present Present Absent Abse										
ERS180095 Absent Present Present Present Absent Abse										
ERS180122 Absent Present Present Absent Absen										
414/13										
ERS180084 Absent Present Present Absent Absen										
ERS180084 Absent Present Present Absent Absen	414/13	Absent		Present	Absent	Absent	Absent	Absent	Absent	Absent
ERS180143 Absent Present Absent										
ERS369520								Absent		
ERS180134 Absent Present Present Absent Absen										
ERS180108										
Res Res										
ERS180910										
ERS180132 Absent										
09-0039										
ERS180074 Absent Present Present Absent Absent Absent Absent Absent Absent Absent ERS369523 Absent Absent Present Absent										
ERS180923 Absent Absent Present Absent										
ERS180094 Absent Present Present Absent Absen										
ERS180094 Absent Present Present Absent Absen	ERS369523	Absent	Absent	Present	Absent	Absent	Absent	Present	Absent	Absent
201/13	ERS180094	Absent		Present	Absent	Absent	Absent	Absent	Absent	Absent
FRS180055 Absent Present Present Absent Absen										
ERS180069 Absent Absent Present Absent	Absent		Present			Absent	Absent	Absent	Absent	
ERS180144 Absent Present Present Absent Absent Absent Absent Absent Absent Absent ERS180072 Absent Present Present Absent	**********									
ERS180072 Absent Present Present Absent Absent Absent Absent Absent Absent I 10262_2868448 Absent Absent Absent Present Absent A										
10262_2868448										
ERS180140 Absent Present Present Absent Absent Absent Absent Absent Absent ERS031757 Absent Present Present Absent										
ERS031757 Absent Present Present Absent Absent Absent Absent Absent Absent ERS180088 Absent Present Present Absent										
ERS180088 Absent Present Present Absent Absent Absent Absent Absent Absent ERS369502 Absent Absent Present Absent										
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ERS369502 Absent Absent Present Absent Absent Absent Present Absent Abse									Absent	
05-11-032-2299 Absent A										
237/13 Absent Present Present Absent Absent Absent Absent Absent Absent Absent SF7955 Absent Present Present Absent										
SF7955 Absent Present Present Absent Absent Absent Absent Absent Absent Absent Absent 290/13 Absent Present Present Absent										
290/13 Absent Present Present Absent Absent Absent Absent 447/13 Absent Present Present Absent Absent Absent Absent 204/13 Absent Present Present Absent Absent Absent Absent SF7787 Absent Present Present Absent Absent Absent Absent										
447/13 Absent Present Present Absent										
204/13 Absent Present Present Absent Absent Absent Absent Absent Absent Absent SF7787 Absent Present Present Absent Absent Absent Absent Absent Absent Absent										
SF7787 Absent Present Present Absent Absent Absent Absent Absent Absent										
	204/13	Absent	Present	Present	Absent	Absent	Absent	Absent	Absent	Absent
10000 10000 10000 10000 10000 10000 10000 10000										

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Sample name ERS180138	Absent	acrB Present	ant3ia (aadA1) Present	arnA Present	bacA Present	bcr Present	bl1_ec Present	dfrA5 Absent	macB Present	Sample name ERS180138	mdtG Present
228/13	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	228/13	Present
ERS369546	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS369546	Present
ERS369533 ERS369501	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	ERS369533 ERS369501	Present Present
ERS369492	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS369492	Present
ERS180111	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180111	Present
13-6754 ERS369507	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	13-6754 ERS369507	Present Present
ERS180128	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180128	Present
ERS369522	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS369522	Present
AUSMDU00003039_S8 ERS088023	Absent Absent	Present Present	Present Absent	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	USMDU00003039_: ERS088023	Absent Present
11-719	Absent	Present	Absent Present	Present	Present	Present Present	Present	Absent	Present	11-719	Present
sh0368_4464372	Absent	Present	Absent	Present	Present	Present	Present	Absent	Present	sh0368_4464372	Present
ERS180059	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180059	Present
ERS180086 ERS180063	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	ERS180086 ERS180063	Present Present
ERS180139	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180139	Present
ERS180058	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180058	Present
ERS369534 214/13	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	ERS369534 214/13	Present Present
ERS088048	Absent	Present	Absent	Present	Present	Present	Present	Absent	Present	ERS088048	Present
80-12-224-2372	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	80-12-224-2372	Present
ERS369505	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS369505	Present
10-2529 ERS180080	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	10-2529 ERS180080	Present Present
sh0343 4464347	Absent	Present	Absent	Present	Present	Present	Present	Absent	Present	sh0343 4464347	Present
11-278	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	11-278	Present
695/13 Sh08-0350	Present	Present	Present	Present	Present	Present	Present	Absent	Present	695/13 Sh08-0350	Present
SF1677	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	SF1677	Present
10-1755	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	10-1755	Present
ERS180116	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180116	Present
ERS180096 365/13	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	ERS180096 365/13	Present Present
ERS180103	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180103	Present
ERS369543	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS369543	Present
K-9292 ERS180148	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	K-9292 ERS180148	Present
ERS180148 80-12-240-4928	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	80-12-240-4928	Presen
12-1488	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	12-1488	Absent
ERS180123	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180123	Presen
ERS180065 ERS369524	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	ERS180065 ERS369524	Present Present
AUSMDU00003037 S2	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	USMDU00003037 :	Present
ERS369496	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS369496	Present
415/13	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	415/13	Present
461/13 ERS180105	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	461/13 ERS180105	Present Present
ERS180136	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180136	Present
ERS180130	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180130	Present
580/13 K-9175	Absent	Present Present	Present	Present Present	Present	Present	Present Present	Absent	Present	580/13 K-9175	Present
ERS180093	Absent Absent	Present	Absent Present	Present	Present Present	Present Present	Present	Absent Absent	Present Present	ERS180093	Present Present
ERS087994	Absent	Present	Absent	Present	Present	Present	Present	Absent	Present	ERS087994	Present
512/13	Absent	Present	Present	Present	Present	Absent	Present	Absent	Present	512/13	Present
K-9447 MS0105 2882369	Absent Absent	Present Present	Absent Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	K-9447 MS0105_2882369	Present Present
10-1391	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	10-1391	Present
505/13	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	505/13	Present
348/13	Absent	Present	Present	Absent	Present	Absent	Present	Absent	Absent	348/13	Present
115/13 ERS369453	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	115/13 ERS369453	Present Present
12-10736	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	12-10736	Present
ERS180141	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180141	Present
ERS369476	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS369476	Present
ERS369515 AUSMDU00003038 S5	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	ERS369515 USMDU00003038 :	Present Present
12-321	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	12-321	Present
ERS369494	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS369494	Present
ERS180142 sh0342 4464346	Absent Absent	Present Present	Present Absent	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	ERS180142 sh0342 4464346	Present Present
MS0078 2882359	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	MS0078 2882359	Present
K-9444	Absent	Present	Absent	Present	Present	Present	Present	Absent	Present	K-9444	Present
11-6611 EBC190115	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	11-6611 EDC190115	Present
ERS180115 ERS369513	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	ERS180115 ERS369513	Present Present
ERS369547	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS369547	Presen
ERS369527	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS369527	Presen
EG0006_2874369	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	EG0006_2874369 EPS180110	Present
ERS180110 ERS180064	Absent Absent	Present Present	Present Absent	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	ERS180110 ERS180064	Present Present
ERS180109	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180109	Present
ERS369536	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS369536	Present
ERS180090 ERS369458	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	ERS180090 ERS369458	Presen
K-9413	Absent	Present	Absent	Present	Present	Present	Present	Absent	Present	K-9413	Presen
ERS369463	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS369463	Present
ERS180067	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180067 ERS180081	Present
ERS180081 ERS369511	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	ERS180081 ERS369511	Present Present
ERS180118	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180118	Presen
AUSMDU00003041_S14	Absent	Present	Present	Present	Present	Absent	Present	Absent	Present	JSMDU00003041_S	Presen
ERS180126 ERS369531	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	ERS180126 ERS369531	Presen
147/13	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	147/13	Presen
ERS180087	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180087	Presen
EG0257_2874375	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	EG0257_2874375	Presen
K-62 ERS180102	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	K-62 ERS180102	Presen Presen
ERS180082	Absent	Present	Absent	Present	Present	Present	Present	Absent	Present	ERS180082	Presen
ERS180060	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180060	Presen
ERS180149	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180149	Present
ERS180099 ERS372313	Absent Absent	Present Present	Present Absent	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	ERS180099 ERS372313	Presen
AUSMDU00003050_S18	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	JSMDU00003050_S	Presen
ERS369508	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS369508	Presen
AUSMDU00003042_S17	Absent	Present	Present	Present	Present	Absent	Present	Absent	Present	JSMDU00003042_S	Present
ERS180089 457/13	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	ERS180089 457/13	Present Present
ERS180068	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180068	Presen
ERS180129	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180129	Present
307/13	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	307/13	Present
AUSMDU00003040_S11 AUSMDU00003051 S21	Absent Absent	Present Present	Absent Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	JSMDU00003040_S JSMDU00003051_S	Present Present
ERS180137	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180137	Present
	Absent	Present	Present	Present		Present	Present	Absent	Present		

AUSMDU00003029 S1	Absent	Present	Present	Present	Present	Absent	Present	Absent	Present	USMDU00003029 :	Absent
ERS180106 sh0341 4464345	Absent Absent	Present Present	Present Absent	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	ERS180106 sh0341 4464345	Present Present
503/13	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	503/13	Present
ERS369541	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS369541	Present
AUSMDU00003048_S12 ERS369468	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	JSMDU00003048_S ERS369468	Present Present
12-070 ERS369529	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent	Present Present	12-070 ERS369529	Present Present
AUSMDU00003033 S13	Absent	Present	Present	Present	Present	Present	Present	Absent Absent	Present	JSMDU00003033 S	Present
ERS180066	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180066	Present
ERS180078 EG0198 2874374	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	ERS180078 EG0198 2874374	Present Present
ERS180083	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180083	Present
ERS031795 ERS180114	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	ERS031795 ERS180114	Present Present
ERS180121	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180121	Present
AUSMDU00003045_S3 12-2560	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Absent Present	USMDU00003045_: 12-2560	Present Present
K-9522	Absent	Present	Absent	Present	Present	Present	Present	Present	Present	K-9522	Present
ERS369506 293/13	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	ERS369506 293/13	Present Present
369/13B	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	369/13B	Present
ERS369518 13-1398	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS369518 13-1398	Present
ERS369525 369/13A	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	ERS369525 369/13A	Present Present
K-734	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	K-734	Present
ERS372298	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS372298	Present
ERS369497 592/13	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	ERS369497 592/13	Present Present
ERS180085 ERS369535	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	ERS180085 ERS369535	Present Present
ERS369535 ERS369509	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS369509	Present
Sh06-3638 EG0302 2874376	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	Sh06-3638 EG0302 2874376	Present Present
ERS180124	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180124	Present
ERS180075 K-9588	Absent Absent	Present Present	Present Absent	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	ERS180075 K-9588	Present Present
AUSMDU00003030_S4	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	USMDU00003030_:	Present
AUSMDU00003035_S19 351/13	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	JSMDU00003035_S 351/13	Present Present
13-6290	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	13-6290	Present
K-9129 AUSMDU00003043 S20	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	K-9129 JSMDU00003043 S	Present Present
663/13	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	663/13	Present
ERS369498 ERS031786	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	ERS369498 ERS031786	Present Present
ERS180071	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180071	Present
ERS369472 ERS369542	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	ERS369472 ERS369542	Present Present
ERS180147	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180147	Present
548/13 AUSMDU00003031 S7	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	548/13 USMDU00003031 :	Present Present
80-11-164-2370	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	80-11-164-2370	Present
ERS088022 K-9454	Absent Absent	Present Present	Absent Absent	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	ERS088022 K-9454	Present Present
458/13	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	458/13	Present
806/13 287/13	Absent Absent	Present Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	806/13 287/13	Present Present
ERS180133	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180133	Present
K-276 ERS369526	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	K-276 ERS369526	Present Present
ERS180092	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180092	Present
ERS369479 K-9411	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	ERS369479 K-9411	Present Present
DE0090_2868493	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	DE0090_2868493	Present
AUSMDU00003052_S24 ERS369545	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	JSMDU00003052_S ERS369545	Present Present
10-7674										10-7674	
ERS180100 ERS369517	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	ERS180100 ERS369517	Present Present
11-6955	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	11-6955	Present
76/13 ERS088047	Absent Absent	Present Present	Present Absent	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	76/13 ERS088047	Present Present
AUSMDU00003036_S22	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	JSMDU00003036_8	Present
K-10248 sh0315 4464319	Absent Absent	Present Present	Absent Absent	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	K-10248 sh0315 4464319	Present Present
80-11-358-2172 SF0743	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	80-11-358-2172 SF0743	Present Present
Sh05-8094	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	Sh05-8094	Present
ERS369514 ERS180135	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	ERS369514 ERS180135	Present Present
ERS372309	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS372309	Present
11-2240 K-10368	Absent Absent	Present Present	Absent Absent	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	11-2240 K-10368	Present Present
AUSMDU00003044_S23	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	JSMDU00003044_S	Present
10-1295 80-13-058-4645	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	10-1295 80-13-058-4645	Present Present
ERS180117	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180117	Present
ERS180127 ERS369503	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	ERS180127 ERS369503	Present Present
136/13	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	136/13	Present
ERS369495 80-12-110-4516	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	ERS369495 80-12-110-4516	Present Present
80-12-011-3999	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	80-12-011-3999	Present
Sh08-3483 ERS180056	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	Sh08-3483 ERS180056	Present Present
ERS369477	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS369477	Present
ERS369544 443/13	Absent Absent	Present Present	Present Absent	Present Present	Present Present	Present Absent	Present Present	Absent Absent	Present Present	ERS369544 443/13	Present Present
12-6716	Absent	Present	Absent	Present	Present	Present	Present	Absent	Present	12-6716	Present
ERS180097 11-820	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	ERS180097 11-820	Present Present
10-7290	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	10-7290	Present
ERS369504 ERS369538	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	ERS369504 ERS369538	Present Present
Sh07-4848	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	Sh07-4848	Present
ERS369537 K-9339	Absent Absent	Present Present	Present Absent	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	ERS369537 K-9339	Present Present
ERS369510	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS369510	Present
84/13 ERS180120	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Present	Absent Absent	Present Present	84/13 ERS180120	Present Present
ERS369530	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS369530	Present
Sh05-0787 AUSMDU00003047_S9	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	Sh05-0787 USMDU00003047_:	Present Present
ERS180098 SF1102	Absent Absent	Present Present	Present Present	Present Present	Present Present	Present Present	Present Present	Absent Absent	Present Present	ERS180098 SF1102	Present Present
ERS369528	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS369528	Present
407/13	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	407/13	Present

K-9375	Absent	Present	Absent	Present	Present	Present	Present	Absent	Present	K-9375	Present
ERS180073	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180073	Present
ERS180113	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180113	Present
106/13	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	106/13	Present
ERS088049		Present								ERS088049	
	Absent		Absent	Present	Present	Present	Present	Absent	Present		Present
ERS180057	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180057	Present
12-1897	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	12-1897	Present
Sh09-4409	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	Sh09-4409	Present
K-9278	Absent	Present	Absent	Present	Present	Present	Present	Absent	Present	K-9278	Present
ERS180104	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180104	Present
AUSMDU00003032_S10	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	JSMDU00003032_S	Present
627/13	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	627/13	Present
368/13	Absent	Absent	Present	Present	Present	Present	Present	Absent	Present	368/13	Present
ERS369460	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS369460	Present
AUSMDU00003034_S16	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	JSMDU00003034_S	Present
ERS180061	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180061	Present
ERS180077	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180077	Present
388/13	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	388/13	Present
K-10343	Absent	Present	Absent	Present	Present	Present	Present	Absent	Present	K-10343	Present
ERS087995	Absent	Present	Absent	Present	Present	Present	Present	Absent	Present	ERS087995	Present
ERS180145	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180145	Present
ERS369475	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS369475	Present
5/63										5/63	
ERS369493	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS369493	Present
ERS180112	Absent	Present	Absent	Present	Present	Present	Present	Absent	Present	ERS180112	Present
ERS369521	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS369521	Present
ERS369462	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS369462	Present
Sh07-4943	Absent	Present	Absent	Present	Present	Present	Present	Absent	Present	Sh07-4943	Present
ERS180076	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180076	Present
179/13		Present	Present	Present	Present	Present	Present		Present	179/13	Present
	Absent							Absent			
217/13	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	217/13	Present
ERS180150	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180150	Present
ERS031772	Absent	Present	Present	Present	Present	Absent	Present	Present	Present	ERS031772	Present
ERS180131	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180131	Present
			Present								
11-632	Absent	Present		Present	Present	Present	Present	Absent	Present	11-632	Present
ERS180107	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180107	Present
ERS369470	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS369470	Present
13-3909	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	13-3909	Present
ERS369519	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS369519	Present
ERS369512	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS369512	Present
10-2493	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	10-2493	Present
ERS180070	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180070	Present
80-12-339-4617	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	80-12-339-4617	Present
ERS369539	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS369539	Present
ERS088050	Absent	Present	Absent	Present	Present	Present	Present	Absent	Present	ERS088050	Present
ERS180125	Absent	Present	Absent	Present	Present	Present	Present	Absent	Present	ERS180125	Present
ERS180146	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180146	Present
K-9169	Absent	Present	Absent	Present	Present	Present	Present	Absent	Present	K-9169	Present
ERS180101	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180101	Present
ERS180079	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180079	Present
AUSMDU00003049_S15	Absent	Present	Present	Present	Absent	Present	Present	Absent	Present	JSMDU00003049_S	Present
AUSMDU00003046 S6	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	USMDU00003046 :	Present
ERS369499	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS369499	Present
285/13	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	285/13	Present
sh0313_4464317	Absent	Present	Absent	Present	Present	Present	Present	Absent	Present	sh0313_4464317	Present
ERS180091	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180091	Present
ERS369461	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS369461	Present
ERS369516	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS369516	Present
198/13	Absent	Present	Present	Present	Present	Absent	Present	Absent	Present	198/13	Present
ERS369457	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS369457	Present
ERS180095	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180095	Present
ERS180122	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180122	Present
414/13	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	414/13	Present
ERS180084	Absent	Present	Absent	Present	Present	Present	Present	Absent	Present	ERS180084	Present
ERS180143		Present	Present	Present	Present	Present	Present			ERS180143	Present
	Absent							Absent	Present		
ERS369520	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS369520	Present
ERS180134	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180134	Present
ERS180108	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180108	Present
K-9256	Absent	Present	Absent	Present	Present	Present	Present	Absent	Present	K-9256	Present
ERS369500	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS369500	Present
ERS180132	Absent	Present	Absent	Present	Present	Present	Present	Absent	Present	ERS180132	Present
09-9039	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	09-9039	Present
ERS180074	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180074	Present
ERS369523	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS369523	Present
ERS180094	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180094	Present
201/13	Absent	Present	Present	Present	Absent	Present	Present	Absent	Present	201/13	Present
ERS180055	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180055	Present
ERS180069	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180069	Present
ERS180144	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180144	Present
ERS180072	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180072	Present
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ERS180140	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180140	Present
ERS031757	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS031757	Present
ERS180088	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS180088	Present
ERS369502	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	ERS369502	Present
05-11-032-2299										05-11-032-2299	
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237/13	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	237/13	Present
SF7955	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	SF7955	Present
290/13	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	290/13	Present
447/13	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	447/13	Present
204/13	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	204/13	Present
SF7787	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	SF7787	Present
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ERS180119	Absent	Present	Present	Present	Present	FIESCH	Present	Ausent	FIESEIII	EK3100117	Tresent

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Present Present Present Present Present	Present Present Present	Absent Absent Absent	Present Absent Present	Absent Absent	Absent Absent	Absent Absent
Present Present Present Present Present Present Present	Present Present Present Present	Absent Absent Absent Absent	Present Absent Present Present	Absent Absent Absent	Absent Absent Absent	Absent Absent
Present Present Present Present Present	Present Present Present	Absent Absent Absent Absent Absent	Present Absent Present	Absent Absent Absent Absent	Absent Absent	Absent Absent
Present Present Present Present Present Present Present Present Present Present	Present Present Present Present Present Present	Absent Absent Absent Absent	Present Absent Present Present Absent Present	Absent Absent Absent Absent Absent	Absent Absent Absent Absent Absent	Absent Absent Absent Absent Absent
Present Present Present Present Present Present Present Present Present Present Present	Present Present Present Present Present Present Present Present	Absent Absent Absent Absent Absent Absent Absent	Present Absent Present Present Absent Present Absent Absent	Absent Absent Absent Absent Absent Absent	Absent Absent Absent Absent Absent Absent	Absent Absent Absent Absent Absent Absent
Present Present Present Present Present Present Present Present Present Present Present	Present Present Present Present Present Present Present Present Present	Absent Absent Absent Absent Absent Absent Absent Absent	Present Absent Present Present Absent Present	Absent Absent Absent Absent Absent Absent Absent	Absent Absent Absent Absent Absent Absent Absent	Absent Absent Absent Absent Absent Absent Absent
Present Present Present Present Present Present Present Present Present Present Present Present Present Present	Present Present Present Present Present Present Present Present Present Present	Absent Absent Absent Absent Absent Absent Absent Absent Absent	Present Absent Present Present Absent Present Absent Present Absent	Absent Absent Absent Absent Absent Absent Absent Absent	Absent Absent Absent Absent Absent Absent Absent Absent	Absent Absent Absent Absent Absent Absent Absent
Present Present Present Present Present Present Present Present Present Present Present	Present Present Present Present Present Present Present Present Present	Absent Absent Absent Absent Absent Absent Absent Absent	Present Absent Present Present Absent Present Absent Present Absent Present	Absent Absent Absent Absent Absent Absent Absent Absent Absent	Absent Absent Absent Absent Absent Absent Absent	Absent Absent Absent Absent Absent Absent Absent
Present Present Present Present Present Present Present Present Present Present Present Present Present Present	Present Present Present Present Present Present Present Present Present Present Present Present	Absent Absent Absent Absent Absent Absent Absent Absent Absent	Present Absent Present Present Absent Present Absent Present Absent Absent	Absent Absent Absent Absent Absent Absent Absent Absent	Absent Absent Absent Absent Absent Absent Absent Absent	Absent Absent Absent Absent Absent Absent Absent Absent
Present Present Present Present Present Present Present Present Present Present Present Present Present Present Present Present Present Present Present	Present Present Present Present Present Present Present Present Present Present Present Present Present	Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent	Present Absent Present Present Absent Present Absent Present Present Present	Absent Absent Absent Absent Absent Absent Absent Absent Absent	Absent Absent Absent Absent Absent Absent Absent Absent Absent	Absent Absent Absent Absent Absent Absent Absent Absent Absent
Present Present Present Present Present Present Present Present Present Present Present Present Present Present Present Present Present Present Present	Present Present Present Present Present Present Present Present Present Present Present Present Present Present Present	Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent	Present Absent Present Absent Present Absent Present Absent Present Present Present	Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent	Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent	Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent
Present Present	Present Present Present Present Present Present Present Present Present Present Present Present Present Present Present Present	Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent	Present Absent Present Present Absent Present Absent Present Absent Present Present Present Present Present Present	Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent	Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent	Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent
Present Present	Present Present	Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent	Present Absent Present Present Absent Present Absent Present Absent Present Present Present Present Present Present Present Present Present	Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent	Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent	Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent

Sample name	tetB	tetC	tolC	mdtK	aadA5
ERS180138	Present	Absent	Present	Present	Absent
228/13 ED 2360546	Present Present	Absent Absent	Present Present	Present Present	Present Absent
ERS369546 ERS369533	Present Present	Absent	Present	Present Present	Absent
ERS369501	Present	Absent	Present	Present	Absent
ERS369492	Present	Absent	Present	Present	Absent
ERS180111	Present	Absent	Present	Present	Absent
13-6754	Present	Absent	Present	Present	Absent
ERS369507 ERS180128	Present Present	Absent Absent	Present Present	Present Present	Absent Absent
ERS369522	Present	Absent	Present	Present	Absent
SMDU00003039_:	Present	Absent	Present	Present	Absent
ERS088023	Absent	Absent	Present	Present	Absent
11-719	Present Absent	Absent	Present	Present	Absent
sh0368_4464372 ERS180059	Absent	Absent Absent	Present Present	Present Present	Absent Absent
ERS180086	Present	Absent	Present	Present	Absent
ERS180063	Present	Absent	Present	Present	Absent
ERS180139	Present	Absent	Present	Present	Absent
ERS180058	Present	Absent	Present	Present	Absent
ERS369534 214/13	Present Present	Absent Absent	Present Present	Present Present	Absent Present
ERS088048	Absent	Absent	Present	Present	Absent
80-12-224-2372	Present	Absent	Present	Present	Absent
ERS369505	Present	Absent	Present	Present	Present
10-2529	Present	Absent	Present	Present	Absent
ERS180080 sh0343 4464347	Present Absent	Absent Absent	Present Present	Present Present	Present Absent
11-278	Present	Absent	Present	Present	Absent
695/13	Present	Absent	Present	Present	Absent
Sh08-0350					
SF1677	Present	Absent	Present	Present	Absent
10-1755 ERS180116	Present Present	Absent Absent	Present Present	Present Present	Absent Absent
ERS180116 ERS180096	Present Present	Absent	Present Present	Present Present	Absent Absent
365/13	Present	Absent	Present	Present	Absent
ERS180103	Present	Absent	Present	Present	Absent
ERS369543	Present	Absent	Present	Present	Absent
K-9292	Present	Absent	Present	Present	Absent
ERS180148 80-12-240-4928	Present Present	Absent Absent	Present Present	Present Present	Absent Absent
12-1488	Present	Absent	Present	Present	Absent
ERS180123	Present	Absent	Present	Present	Absent
ERS180065	Present	Absent	Present	Present	Absent
ERS369524	Present	Absent	Present	Present	Present
SMDU00003037_: ERS369496	Present Present	Absent Absent	Present Present	Present Present	Absent Absent
415/13	Present	Absent	Present	Present	Absent
461/13	Present	Absent	Present	Present	Absent
ERS180105	Present	Absent	Present	Present	Absent
ERS180136	Present	Absent	Present	Present	Absent
ERS180130	Present	Absent	Present	Present	Absent
580/13 K-9175	Present Absent	Absent Absent	Present Present	Present Present	Absent Absent
ERS180093	Present	Absent	Present	Present	Absent
ERS087994	Absent	Absent	Present	Present	Absent
512/13	Present	Absent	Present	Present	Absent
K-9447	Absent	Absent	Present	Present	Absent
MS0105_2882369 10-1391	Present Present	Absent Absent	Present Present	Present Present	Absent Absent
505/13	Present	Absent	Present	Present	Absent
348/13	Present	Absent	Present	Present	Absent
115/13	Present	Absent	Present	Present	Absent
ERS369453	Present	Absent	Present	Present	Absent
12-10736 ERS180141	Present	Absent	Present	Present	Absent
ERS180141 ERS369476	Present Present	Absent Absent	Present Present	Present Present	Absent Absent
ERS369515	Present	Absent	Present	Present	Present
SMDU00003038_:	Present	Absent	Present	Present	Absent
12-321	Present	Absent	Present	Present	Absent
ERS369494	Present	Absent	Present	Present	Absent
ERS180142	Present Absent	Absent Absent	Present Present	Present Present	Absent Absent
sh0342_4464346 4S0078 2882359	Present	Present	Present	Present	Absent
K-9444	Absent	Absent	Present	Present	Absent
11-6611	Present	Absent	Present	Present	Absent
ERS180115	Present	Absent	Present	Present	Absent
ERS369513 ERS369547	Present Present	Absent Absent	Present Present	Present Present	Absent
ERS369547 ERS369527	Present	Absent	Present	Present	Absent Absent
EG0006_2874369	Present	Absent	Present	Present	Absent
ERS180110	Present	Absent	Present	Present	Absent
ERS180064	Absent	Present	Present	Present	Absent
ERS180109 ERS369536	Present Present	Absent Absent	Present Present	Present Present	Absent Absent
ERS180090	Present	Absent	Present Present	Present	Absent
ERS369458	Present	Absent	Present	Present	Absent
K-9413	Absent	Absent	Present	Present	Absent
ERS369463	Present	Absent	Present	Present	Absent
ERS180067 ERS180081	Present Present	Absent Absent	Present Present	Present Present	Absent Absent
ERS180081 ERS369511	Present Present	Absent Absent	Present Present	Present Present	Absent
ERS180118	Present	Absent	Present	Present	Absent
MDU00003041_S	Present	Absent	Present	Present	Absent
ERS180126	Present	Absent	Present	Present	Absent
ERS369531	Present	Absent	Present	Present	Absent
147/13 ERS180087	Present Present	Absent Absent	Present Present	Present Present	Present Absent
EG0257_2874375	Present	Present	Present	Present	Absent
K-62	Present	Absent	Present	Present	Absent
ERS180102	Present	Absent	Present	Present	Absent
ERS180082	Absent	Absent	Present	Present	Absent
ERS180060 ERS180149	Present Present	Absent Absent	Present Present	Present Present	Absent Absent
ERS180149 ERS180099	Present	Absent	Present	Present	Absent
ERS372313	Absent	Present	Present	Present	Absent
MDU00003050_S	Present	Absent	Present	Present	Absent
ERS369508	Present	Absent	Present	Present	Absent
MDU00003042_S	Present	Absent	Present	Present	Absent
ERS180089	Present	Absent	Present	Present	Absent
457/13 ERS180068	Present Present	Absent Absent	Present Present	Present Present	Absent Absent
ERS180068 ERS180129	Present	Absent	Present	Present	Absent
307/13	Present	Absent	Present	Present	Absent
			Present	Present	Absent
MDU00003040_S	Present	Absent			
SMDU00003040_S SMDU00003051_S ERS180137	Present Present Present	Absent Absent Absent	Present Present Present	Present Present	Absent Absent

USMDU00003029_1 ERS180106 sh0341 4464345					
ERS180106	Present	Absent	Present	Absent	Absent
	Present	Absent	Present	Present	Absent
	Absent	Absent	Present	Present	Absent
503/13	Present	Absent	Present	Present	Present
ERS369541	Present	Absent	Present	Present	Absent
SMDU00003048_S	Present	Absent	Present	Present	Absent
ERS369468	Present	Absent	Present	Present	Absent
12-070 ERS369529	Present Present	Absent Absent	Present Present	Present Present	Absent
SMDU00003033 S	Present	Absent	Present	Present	Absent Absent
FRS180066	Present	Absent	Present	Present	Absent
ERS180078	Present	Absent	Present	Present	Absent
EG0198 2874374	Present	Present	Present	Present	Absent
ERS180083	Present	Absent	Present	Present	Absent
ERS031795	Present	Present	Present	Present	Absent
ERS180114	Present	Absent	Present	Present	Absent
ERS180121	Present	Absent	Present	Present	Absent
SMDU00003045_	Present	Absent	Present	Present	Absent
12-2560	Present	Absent	Present	Present	Absent
K-9522	Present Present	Absent Absent	Present	Present	Absent
ERS369506 293/13	Present	Absent	Present Present	Present Present	Present Absent
369/13B	Present	Absent	Present	Present	Absent
ERS369518	Present	Absent	Present	Present	Absent
13-1398					
ERS369525	Present	Absent	Present	Present	Absent
369/13A	Present	Absent	Present	Present	Present
K-734	Present	Absent	Present	Present	Absent
ERS372298	Present	Absent	Present	Present	Absent
ERS369497	Present	Absent	Present	Present	Absent
592/13 ERS180085	Present Present	Absent Absent	Present Present	Present Present	Absent
ERS369535	Present	Absent	Present	Present	Absent Absent
ERS369509	Present	Absent	Present	Present	Absent
Sh06-3638	Present	Absent	Present	Present	Absent
EG0302_2874376	Present	Absent	Present	Present	Absent
ERS180124	Present	Absent	Present	Present	Absent
ERS180075	Present	Absent	Present	Present	Absent
K-9588	Absent	Absent	Present	Present	Absent
SMDU00003030_	Present	Absent	Present	Present	Absent
SMDU00003035_S	Present	Absent	Present	Present	Absent
351/13	Present	Absent	Present	Present	Absent
13-6290	Present	Absent	Present	Present	Absent
K-9129 SMDU00003043 S	Present Present	Absent Absent	Present Present	Present Present	Absent Absent
663/13	Present	Absent	Present	Present	Absent
FRS369498	Present	Absent	Present	Present	Absent
ERS031786	Present	Absent	Present	Present	Absent
ERS180071	Present	Absent	Present	Present	Absent
ERS369472	Present	Absent	Present	Present	Absent
ERS369542	Present	Absent	Present	Present	Absent
ERS180147	Present	Absent	Present	Present	Absent
548/13	Present	Absent	Present	Present	Absent
SMDU00003031_	Present	Absent	Present	Present	Absent
80-11-164-2370	Present	Absent	Present	Present	Absent
ERS088022	Absent	Absent	Present	Present	Absent
K-9454 458/13	Absent Present	Absent Absent	Present Present	Present Present	Absent Absent
438/13 806/13	Present	Absent	Present	Present	Absent
287/13	Present	Absent	Present	Present	Absent
ERS180133	Present	Absent	Present	Present	Absent
K-276	Present	Absent	Present	Present	Absent
ERS369526	Present	Absent	Present	Present	Absent
ERS180092	Present	Absent	Present	Present	Absent
ERS369479	Present	Absent	Present	Present	Absent
K-9411	Present	Absent	Present	Present	Absent
DE0090_2868493 SMDU00003052 S	Present Present	Absent Absent	Present Present	Present Present	Absent Absent
ERS369545	Present	Absent	Present	Present	Absent
10-7674	riesciii	Absent	Fiesent	Fiesent	Ausciii
ERS180100	Present	Absent	Present	Present	Absent
ERS369517	Present	Absent	Present	Present	Absent
11-6955	Present	Absent	Present	Present	Absent
76/13	Present	Absent	Present	Present	Absent
ERS088047	Absent	Absent	Present	Present	Absent
SMDU00003036_S	Present	Absent	Present	Present	Absent
K-10248	Absent	Absent	Present	Present	Absent
sh0315_4464319	Absent	Absent	Present	Present	Absent
80-11-358-2172	Present	Absent	Present	Present	Absent
SF0743	Present	Absent	Present	Present	
Ch05 0004	Present			Drocont	Absent
Sh05-8094 FRS369514	Precent	Absent	Present Present	Present Present	Absent
Sh05-8094 ERS369514 ERS180135	Present Present	Absent	Present	Present Present Present	Absent Absent
ERS369514				Present	Absent
ERS369514 ERS180135	Present	Absent Absent	Present Present	Present Present	Absent Absent Absent
ERS369514 ERS180135 ERS372309	Present Present	Absent Absent Absent	Present Present Present	Present Present Present	Absent Absent Absent Absent
ERS369514 ERS180135 ERS372309 11-2240 K-10368	Present Present Absent Absent Present	Absent Absent Absent Absent	Present Present Present Present Present Present	Present Present Present Present Present Present Present	Absent Absent Absent Absent Absent
ERS369514 ERS180135 ERS372309 11-2240 K-10368	Present Present Absent Absent	Absent Absent Absent Absent Absent Absent Absent	Present Present Present Present Present	Present Present Present Present Present Present Present Present	Absent Absent Absent Absent Absent Absent
ERS369514 ERS180135 ERS372309 11-2240 K-10368 SMDU00003044_S 10-1295 80-13-058-4645	Present Present Absent Absent Present Present Present	Absent Absent Absent Absent Absent Absent Absent Absent	Present Present Present Present Present Present Present Present Present	Present Present Present Present Present Present Present Present Present	Absent Absent Absent Absent Absent Absent Absent Absent Absent
ERS369514 ERS180135 ERS372309 11-2240 K-10368 SMDU00003044_S 10-1295 80-13-058-4645 ERS180117	Present Present Absent Absent Present Present Present Present Present	Absent Absent Absent Absent Absent Absent Absent Absent Absent	Present Present Present Present Present Present Present Present Present Present	Present Present Present Present Present Present Present Present Present Present Present	Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent
ERS369514 ERS180135 ERS372309 11-2240 K-10368 SMDU00003044_S 10-1295 80-13-058-4645 ERS180117 ERS180117	Present Present Absent Absent Present Present Present Present Present Present	Absent Absent Absent Absent Absent Absent Absent Absent Absent	Present Present Present Present Present Present Present Present Present Present Present Present	Present Present Present Present Present Present Present Present Present Present Present Present	Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent
ERS369514 ERS180135 ERS372309 11-2240 K-10368 SMDU00003044_S 10-1295 80-13-058-4645 ERS180117 ERS180127 ERS369503	Present Present Absent Absent Present Present Present Present Present Present Present Present	Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent	Present Present Present Present Present Present Present Present Present Present Present Present Present	Present Present Present Present Present Present Present Present Present Present Present Present Present	Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent
ERS369514 ERS180135 ERS372309 11-2240 K-10368 SMDU00003044_S 10-1295 80-13-058-4645 ERS180117 ERS180127 ERS369503 136/13	Present Present Absent Absent Present Present Present Present Present Present Present Present Present	Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent	Present Present Present Present Present Present Present Present Present Present Present Present Present Present	Present Present Present Present Present Present Present Present Present Present Present Present Present Present Present	Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent
ERS369514 ERS180135 ERS377309 11-2240 K-10368 MDU000003044_S 10-1295 80-13-058-4645 ERS180117 ERS180127 ERS369503 136/13 ERS369495	Present Present Absent Absent Present	Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent	Present Present Present Present Present Present Present Present Present Present Present Present Present Present Present Present Present Present	Present Present Present Present Present Present Present Present Present Present Present Present Present Present Present Present Present	Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent
ERS369514 ERS180135 ERS372309 11-2240 K-10368 SMDU00003044_S 10-1295 80-13-058-4645 ERS180127 ERS369503 136/13 ERS369495 80-12-110-4516	Present Present Absent Absent Present	Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent	Present Present Present Present Present Present Present Present Present Present Present Present Present Present Present Present Present Present Present Present	Present Present	Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent
ERS369514 ERS180135 ERS377309 11-2240 K-10368 MDU000003044_S 10-1295 80-13-058-4645 ERS180117 ERS180127 ERS369503 136/13 ERS369495	Present Present Absent Absent Present	Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent	Present Present Present Present Present Present Present Present Present Present Present Present Present Present Present Present Present Present	Present Present Present Present Present Present Present Present Present Present Present Present Present Present Present Present Present	Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent Absent
ERS369514 ERS180135 ERS372309 11-2240 K-10368 SMDU00003044 S 10-1295 80-13-058-4645 ERS180117 ERS180127 ERS369503 136/13 ERS369495 80-12-110-4516 80-12-011-3999	Present Present Absent Absent Present	Absent Absent	Present Present	Present Present	Absent Absent
ERS369514 ERS180135 ERS372309 11-2240 K-10368 SMDU00003044_S 10-1295 80-13-058-4645 ERS180117 ERS369503 136/13 ERS369495 80-12-110-4516 80-12-011-3999 Sh08-3483	Present Present Absent Absent Present	Absent Absent	Present Present	Present Present	Absent Absent
ERS.180514 ERS.180135 ERS.372309 11-2240 K-10368 SMDUD0003044_5 10-1295 80-13-08-4645 ERS.18017 ERS.180127 ERS.569503 136/13 ERS.1806495 80-12-011-3999 Sh08-3-483 ERS.180056	Present Present Absent Absent Present	Absent Absent	Present Present	Present Present	Absent Absent
ERS180514 ERS180135 ERS372309 11-2240 K-10368 MDU00003044_S 10-1295 80-13-058-4645 ERS180117 ERS180127 ERS180913 ERS18093 80-12-11-3999 Sh08-3483 ERS180056 ERS36947 ERS369544 443/13	Present Present Absent Absent Present	Absent Absent	Present Present	Present Present	Absent Absent
ERS169514 ERS180135 ERS372309 11-2240 K-10368 MDU00003044_S 10-1295 80-13-058-4645 ERS180117 ERS180127 ERS369903 136/13 ERS366495 80-12-10-4516 80-12-011-3999 500-3-483 ERS180056 ERS369477 ERS369544 443713 12-6716	Present Present Absent Absent Present Absent	Absent Absent	Present Present	Present Present	Absent Absent
ERS180914 ERS180135 ERS372309 11-2240 K-10368 MDU00003044_5 10-1295 80-13-058-4645 ERS180117 ERS180127 ERS369503 136/13 ERS369495 80-12-011-3999 Sh08-3483 ERS180966 ERS180947 443/13 12-6716 ERS18097	Present Present Absent Absent Absent Present Absent Present	Absent Absent	Present Present	Present Present	Absent Absent
ERS169514 ERS180135 ERS372309 11-2240 K-10368 MDU00003044_S 10-1295 80-13-085-4645 ERS180117 ERS180127 ERS18017 ERS180127 ERS169495 80-12-10-4516 80-12-011-3999 80-12-10-4516 80-12-011-3997 ERS169544 443/13 12-6716 ERS180097 11-820	Present Present Absent Absent Present	Absent Absent	Present Present	Present Present	Absent Absent
ERS.180514 ERS.180135 ERS.372309 11-2240 K-10368 MDU00003044_S 10-1295 80-13-08.8-4645 ERS.180117 ERS.180127 ERS.180127 ERS.180137 ERS.180143 ERS.180999 Sh08-3483 ERS.180956 ERS.180947 ERS.180956 ERS.18097 11-820 110-7290	Present Present Absent Absent Absent Present	Absent Absent	Present Present	Present Present	Absent Absent
ERS169514 ERS180135 ERS372309 11-2240 K-10388 MDU00003044_S 10-1295 80-13-085-4645 ERS180117 ERS180127 ERS18017	Present Present Absent Absent Absent Present	Absent Absent	Present Present	Present Present	Absent Absent
ERS.180514 ERS.180135 ERS.372309 11-2240 K-10368 SMDU00003044_S 10-1295 80-13-058-0645 ERS.180117 ERS.180127 ERS.180127 ERS.369495 80-12-110-4516 80-12-011-4516 80-12-011-4516 80-12-011-4516 80-12-011-4516 ERS.180056 ERS.369477 ERS.369477 ERS.369477 ERS.369477 ERS.369504 ERS.369504 ERS.369504 ERS.369504 ERS.369504 ERS.369504 ERS.369504	Present Present Absent Absent Absent Present	Absent Absent	Present Present	Present Present	Absent Ab
ERS169514 ERS180135 ERS372309 11-2240 K-10368 SMDU00003044_S 10-1295 80-13-058-4645 ERS180117 ERS180127 ERS18017 ERS18017 ERS169503 136-13 ERS369495 80-12-110-4516 80-12-011-3999 Sh08-3483 ERS180056 ERS369544 443913 12-6716 ERS180097 11-820 10-7290 ERS369504 ERS369504 ERS369504 ERS369504 ERS369504 ERS369504 ERS369504 ERS369504 ERS369504 ERS369504	Present Present Absent Absent Absent Present	Absent Absent	Present Present	Present Present	Absent Absent
ERS169514 ERS180135 ERS372309 11-2240 K-10368 MDU00003044_S 10-1295 80-13-058-4645 ERS180117 ERS180127 ERS180127 ERS180127 ERS180138 ERS18056 80-12-110-4516 80-12-011-4516 80-12-011-4516 80-12-011-4516 80-12-011-4516 80-12-011-4516 ERS180056 ERS369477 ERS369544 443713 12-6716 ERS180097 11-820 10-7290 ERS3695044 ERS369538 8b07-4848 ERS369538	Present Absent Absent Absent Absent Present	Absent Absent	Present Present	Present Present	Absent Absent
ERS169514 ERS180135 ERS1877309 11-2240 K-10368 SMDU00003044_S 10-1295 80-13-058-4645 ERS180117 ERS180127 ERS18017 ERS18017 ERS180161 ERS569503 136-13 ERS569495 80-12-110-4516 80-12-011-3999 SM08-3483 ERS180056 ERS369544 443/13 12-6716 ERS18097 11-820 10-7290 ERS169504 ERS169504 ERS169504 ERS169504 ERS169504 ERS169504 ERS169504 ERS169504 ERS169504 ERS169504 ERS169504 ERS169504 ERS169504 ERS169504 ERS169504 ERS169504 ERS169504 ERS169504	Present Present Absent Absent Absent Present	Absent Absent	Present Present	Present Present	Absent Absent
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ERS.1809.14 ERS.1801.35 ERS.3723.09 11-2240 K-10368 SMDU00003044_S 10-1295 80-13-036.464.5 ERS.180117 ERS.180127 ERS.180127 ERS.180127 ERS.180999 Sh0-13-110-4516 80-12-011-4516 80-12-011-4516 80-12-011-4516 ERS.180056 ERS.180947 ERS.180956 12-6716 ERS.180997 11-820 10-7290 ERS.180997 11-820 10-7290 ERS.180997 11-820 10-7290 ERS.180997 11-820 10-7290 ERS.180997 11-820 10-7290 ERS.180997 11-820 10-7290 ERS.180997 11-820 10-7290 ERS.180997 11-820 10-7290 ERS.180997 11-820 10-7290 ERS.180997 11-820 10-7290 ERS.180997 11-820 10-7290 ERS.180997 11-820 10-7290 ERS.180997 11-820 10-7290 ERS.180998 ERS.1809538 Sh07-4848 ERS.1809538 Sh07-4848	Present Present Absent Absent Absent Present	Absent Absent	Present Present	Present Present	Absent Absent
ERS.509514 ERS.180135 ERS.372309 11-2240 K-10328 SMDU00003044_S 10-1295 80-13-058-4645 ERS.180117 ERS.180127 ERS.180127 ERS.369503 136/13 ERS.369495 80-12-10-4516 80-12-011-4516 80-12-011-4516 80-12-011-4516 80-12-011-3999 ERS.36944 443/13 12-6716 ERS.180056 ERS.369544 443/13 12-6716 ERS.369544 ERS.369548 ERS.369548 ERS.369548 ERS.369548 ERS.369548 ERS.369548 ERS.369537 K-9339 ERS.369537 K-9339 ERS.3695510 84/13	Present Present Absent Absent Absent Present	Absent Absent	Present Present	Present Present	Absent Absent
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K-9375	Absent	Absent	Present	Present	Absent
ERS180073	Present	Absent	Present	Present	Absent
ERS180113	Present	Absent	Present	Present	Absent
106/13	Present	Absent	Present	Present	Absent
ERS088049	Absent	Absent	Present	Present	Absent
ERS180057	Present	Absent	Present	Present	Absent
12-1897	Present	Absent	Present	Present	Absent
Sh09-4409	Present	Absent	Present	Present	Absent
K-9278	Absent	Absent	Present	Present	Absent
ERS180104	Present	Absent	Present	Present	Absent
JSMDU00003032 S	Present	Absent	Present	Present	Absent
627/13	Present	Absent	Present	Present	Absent
368/13	Present	Absent	Present	Present	Absent
ERS369460	Present	Absent	Present	Present	Absent
JSMDU00003034_8	Present	Absent	Present	Present	Absent
ERS180061	Present	Absent	Present	Present	Absent
ERS180077	Present	Absent	Present	Present	Absent
388/13	Present	Absent	Present	Present	Absent
K-10343	Absent	Absent	Present	Present	Absent
ERS087995	Absent	Absent	Present	Present	Absent
ERS180145	Present	Absent	Present	Present	Absent
ERS369475	Present	Absent	Present	Present	Absent
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ERS369493	Present	Absent	Present	Present	Absent
ERS180112	Absent	Absent	Present	Present	Absent
ERS369521	Present	Absent	Present	Present	Absent
ERS369462	Present	Absent	Present	Present	Absent
Sh07-4943	Absent	Absent	Present	Present	Absent
ERS180076	Present	Absent	Present	Present	Absent
179/13	Present	Absent	Present	Present	Absent
217/13	Present	Absent	Present	Present	Absent
ERS180150	Present	Absent	Present	Present	Absent
ERS031772	Present	Absent	Present	Present	Absent
ERS180131	Present	Absent	Present	Present	Absent
11-632	Present	Absent	Present	Present	Absent
ERS180107	Present	Absent	Present	Present	Absent
ERS369470	Present	Absent	Present	Present	Absent
13-3909	Present	Absent	Present	Present	Absent
	Present		Present		
ERS369519		Absent		Present	Present
ERS369512	Present	Absent	Present	Present	Absent
10-2493	Present	Absent	Present	Present	Absent
ERS180070	Present	Absent	Present	Present	Absent
80-12-339-4617	Present	Present	Present	Present	Absent
ERS369539	Present	Absent	Present	Present	Present
ERS088050	Absent	Absent	Present	Present	Absent
ERS180125	Absent	Present	Present	Present	Absent
ERS180146	Present	Absent	Present	Present	Absent
K-9169	Absent	Absent	Present	Present	Absent
ERS180101					
	Present	Absent	Present	Present	Absent
ERS180079	Present	Absent	Present	Present	Absent
JSMDU00003049_S	Present	Absent	Present	Present	Absent
USMDU00003046_:	Present	Absent	Present	Present	Absent
ERS369499	Present	Absent	Present	Present	Absent
285/13	Present	Absent	Present	Present	Present
sh0313 4464317	Absent	Absent	Present	Present	Absent
ERS180091	Present	Absent	Present	Present	Absent
ERS369461	Present	Absent	Present	Present	Absent
ERS369516	Present	Absent	Present	Present	Absent
198/13	Present	Absent	Present	Present	Absent
ERS369457	Present	Absent	Present	Present	Absent
ERS180095	Present	Absent	Present	Present	Absent
ERS180122	Present	Absent	Present	Present	Absent
414/13	Present	Absent	Present	Present	Absent
ERS180084	Present	Absent	Present	Present	Absent
ERS180143	Present	Absent	Present	Present	Absent
ERS369520	Present	Absent	Present	Present	Present
ERS389320 ERS180134	Present	Absent	Present	Present	Absent
			Present		
ERS180108	Present	Absent		Present	Absent
K-9256	Absent	Absent	Present	Present	Absent
ERS369500	Present	Absent	Present	Present	Absent
ERS180132	Absent	Absent	Present	Present	Absent
09-9039	Present	Absent	Present	Present	Absent
ERS180074	Present	Absent	Present	Present	Absent
ERS369523	Present	Absent	Present	Present	Absent
ERS180094	Present	Absent	Present	Present	Absent
201/13	Present	Absent	Present	Present	Absent
ERS180055	Present	Absent	Present	Present	Absent
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ERS180069	Present	Absent	Present	Present	Absent
ERS180144	Present	Absent	Present	Present	Absent
ERS180072	Present	Absent	Present	Present	Absent
10262_2868448	Present	Present	Present	Present	Absent
ERS180140	Present	Absent	Present	Present	Absent
ERS031757	Present	Absent	Present	Present	Absent
ERS180088	Present	Absent	Present	Present	Absent
ERS369502	Present	Absent	Present	Present	Absent
05-11-032-2299	Absent	Absent	Present	Present	Absent
237/13	Present	Absent	Present	Present	Absent
SF7955	Present	Absent	Present	Present	Absent
290/13	Present	Absent	Present	Present	Absent
447/13	Present	Absent	Present	Present	Absent
204/13	Present	Absent	Present	Present	Absent
SF7787	Present	Absent	Present	Present	Absent
ERS180119	Present	Absent	Present	Present	Absent