

Supplementary Appendix

This appendix has been provided by the authors to give readers additional information about their work.

Supplement to: The CRyPTIC Consortium and the 100,000 Genomes Project. Prediction of susceptibility to first-line tuberculosis drugs by DNA sequencing. *N Engl J Med.* DOI: 10.1056/NEJMoa1800474

Prediction of Susceptibility to First-Line Tuberculosis Drugs by DNA Sequencing

Supplementary materials

Contents:

Authors and author contributions	p.2
Further details on sampling frame (including Table S0), missing data, <i>in silico</i> predictions for commercial molecular assays, and mislabeling rates.	p.5
Table S1 summary.	p.8
Table S1 details.	p.9
(All isolates, SRA accession numbers, phenotypic methods and results, and genotypic predictions)	
Table S2: (Knowledgebase of mutations used to make genomic predictions)	p.95
Table S3: (Performance of predictions by drug, and against different associated drug phenotypes)	p.109
Table S4: (Performance of predictions for de-duplicated data set, i.e. using only one representative per genomic cluster)	p.118
Table S5: (Drug profile predictions)	p.119
Table S6: (Performance for individual drugs for isolates with complete phenotypic data available)	p.120
Table S7: (Performance of drug profile predictions for isolates from countries' collections that were not enriched for resistance)	p.121
Table S8: (Re-phenotyping results, and results of clerical cross-checking analysis)	p.122
Table S9: (Performance of individual mutations that led to discrepancies, across the whole data set)	p.123
Table S10: (Estimated proportion of isolates discrepant due to mislabelling error)	p.125

Authors contributing are (in alphabetical order): Caroline Allix-Béguec, Ph.D.,¹ Irena Arandjelovic, Ph.D.,² Lijun Bi, Ph.D.,³ Patrick Beckert, M.Sc.,³⁴ Maryline Bonnet, Ph.D.,^{4,67} Phelim Bradley, D.Phil.,⁵ Andrea M. Cabibbe, Ph.D.,⁶ Irving Cancino-Muñoz, Ph.D.,^{7,8} Mark J Caulfield, F.Med.Sci.,^{9,10,11} Angkana Chaiprasert, Ph.D.,¹² Daniela M. Cirillo, M.D.,⁶ David Clifton, D.Phil.,¹³ Iñaki Comas, Ph.D.,^{7,8,14} Derrick W. Crook, F.R.C.Path.,^{15,16} Maria Rosaria De Filippo, Ph.D.,⁶ Han de Neeling, Ph.D.,¹⁷ Roland Diel, Ph.D.,¹⁸ Francis A Drobniowski, Ph.D.,¹⁹ Kiatichai Faksri, Ph.D.,²⁰ Maha R Farhat, M.D.,²¹ Joy Fleming, Ph.D.,³ Philip Fowler, Ph.D.,¹⁵ Tom A Fowler, Ph.D.,⁹ Qian Gao, Ph.D.,²² Jennifer Gardy, Ph.D.,^{23,24} Deborah Gascoyne-Binzi, Ph.D.,²⁵ Ana-Luiza Gibertoni-Cruz, M.R.C.P.,¹⁵ Ana Gil-Brusola, Ph.D.,²⁶ Tanya Golubchik, Ph.D.,²⁷ Ximena Gonzalo, M.D.,^{19,28} Louis Grandjean, Ph.D.,²⁹ Guangxue He, Ph.D.,³⁰ Jennifer L Guthrie, M.Sc.,²³ Sarah Hoosdally, Ph.D.,¹⁵ Martin Hunt, Ph.D.,^{5,15} Zamin Iqbal, D.Phil.,⁵ Nazir Ismail, F.C.Path.,³¹ James Johnston, M.D.,²³ Faisal Masood Khanzada, M.Phil.,³² Chiea Chuen Khor, D.Phil.,³³ Thomas A Kohl, Ph.D.,³⁴ Clare Kong, Ph.D.,²³ Sam Lipworth, M.B.B.S.,¹⁵ Qingyun Liu, Ph.D.,³⁵ Gugu Maphalala, Ph.D.,³⁶ Elena Martinez, Ph.D.,³⁷ Vanessa Mathys, Ph.D.,³⁸ Matthias Merker, Ph.D.,³⁴ Paolo Miotto, Ph.D.,⁶ Nerges Mistry, Ph.D.,³⁹ David A. J. Moore, F.R.C.P.,⁴⁰ Megan Murray, M.D.,²¹ Stefan Niemann, Ph.D.,^{34,41} Rick Twee-Hee Ong, Ph.D.,⁴² Tim E. A. Peto, D.Phil.,¹⁵ James E. Posey, Ph.D.,⁴³ Therdsak Prammananan, Ph.D.,⁴⁴ Alexander Pym, Ph.D.,⁴⁵ Camilla Rodrigues, M.D.,⁴⁶ Mabel Rodrigues, Ph.D.,²³ Timothy Rodwell, Ph.D.,^{47,48} Gian Maria Rossolini, M.D.,⁴⁹ Elisabeth Sánchez Padilla, M.D.,⁴ Marco Schito, Ph.D.,⁵⁰ Xin Shen, Ph.D.,⁵¹ Jay Shendure, Ph.D.,⁵² Vitali Sintchenko, Ph.D.,⁵³ Alex Sloutsky, Ph.D.,^{54,55} E. Grace Smith, F.R.C.Path.,⁵⁶ Matthew Snyder, Ph.D.,⁵² Karine Soetaert, Ph.D.,³⁸ Angela M. Starks, Ph.D.,⁴³ Philip Supply, Ph.D.,⁵⁷ Prapat Suriyapol, Ph.D.,⁵⁸ Sabira Tahseen, M.B.B.S.,³² Patrick Tang, Ph.D.,^{23,59} Yik-Ying Teo, Ph.D.,^{42,60,61} Thuong Nguyen Thuy Thuong, Ph.D.,⁶² Guy Thwaites, F.R.C.P.,⁶² Enrico Tortoli, Ph.D.,⁶ Shaheed Vally Omar, Ph.D.,³¹ Dick van Soolingen, Ph.D.,¹⁷ A. Sarah Walker, Ph.D.,¹⁵ Timothy M Walker, D.Phil.,¹⁵ Mark Wilcox, M.D.,^{25,63} Daniel J. Wilson, D.Phil.,¹⁵ David Wyllie, Ph.D.,¹⁵ Yang Yang, Ph.D.,^{13,64} Hongtai Zhang, Ph.D.,³ Yanlin Zhao, Ph.D.,⁶⁵ Baoli Zhu, Ph.D.,⁶⁶ for the CRyPTIC consortium and the 100,000 Genomes Project

¹ Genoscreen, Lille, France;

² Institute of Microbiology and Immunology, Faculty of Medicine, University of Belgrade, Belgrade, Serbia;

³ Key Laboratory of RNA Biology, Institute of Biophysics, Chinese Academy of Sciences, 2, 100101, China;

⁴ Epicentre, Paris, France

⁵ European Bioinformatics Institute Hinxton, Cambridge, UK

⁶ Emerging Bacterial Pathogens Unit, WHO collaborating Centre and TB Supranational Reference laboratory, IRCCS San Raffaele Scientific institute, Milan, Italy

⁷ Instituto de Biomedicina de Valencia (IBV-CSIC). Calle Jaime Roig, Valencia, Spain

⁸ FISABIO Public Health, Valencia, Spain

⁹ Genomics England

- ¹⁰ NIHR Biomedical Research Centre at Barts. London, UK
¹¹ William Harvey Research Institute, Queen Mary University of London, London, UK
¹² Faculty of Medicine Siriraj Hospital, Mahidol University, Thailand
¹³ Institute of Biomedical Engineering, Department of Engineering Science, University of Oxford, Oxford, UK
¹⁴ CIBER in Epidemiology and Public Health, Madrid, Spain
¹⁵ Nuffield Department of Medicine, John Radcliffe Hospital, University of Oxford, Oxford, UK
¹⁶ National Infection Service, Public Health England, UK
¹⁷ National Institute for Public Health and the Environment (RIVM), Bilthoven, The Netherlands
¹⁸ Institute for Epidemiology, University Medical Hospital Schleswig-Holstein, Kiel, Airway Research Center North (ARCN), Kiel, Germany
¹⁹ Imperial College, London, UK
²⁰ Department of Microbiology, Faculty of Medicine, Khon Kaen University, Thailand
²¹ Harvard Medical School, Boston, USA
²² Shanghai Medical College, Fudan University, Shanghai, China
²³ British Columbia Centre for Disease Control, Vancouver, Canada
²⁴ University of British Columbia, Vancouver, Canada
²⁵ Leeds Teaching Hospital NHS Trust, Leeds, UK
²⁶ Hospital Universitario y Politécnico La Fe, Avinguda de Fernando Abril Martorell, Valencia, Spain
²⁷ Big Data Institute, Old Road Campus, University of Oxford, Oxford, UK
²⁸ National Mycobacterial Reference Laboratory, Public Health England, London, UK.
²⁹ Section of Paediatrics, Department of Medicine, Imperial College London
³⁰ Chinese Centre of Disease Control and Prevention, 2, China
³¹ National Institute for Communicable Diseases (NICD), Johannesburg, South Africa
³² National TB Reference Laboratory, National TB control Program , Islamabad , Pakistan
³³ Genome Institute of Singapore, Agency for Science, Technology and Research
³⁴ Forschungszentrum Borstel, Leibniz Lungenzentrum, Borstel, Germany
³⁵ Key Laboratory of Medical Molecular Virology, School of Basic Medicine, Fudan University
³⁶ National Reference Laboratory (NRL), Ministry of Health, Mbabane, eSwatini
³⁷ Centre for Infectious Diseases and Microbiology, Westmead Hospital, Wentworthville New South Wales, Australia
³⁸ Bacterial Diseases Service, Operational Direction Communicable and Infectious Diseases, Scientific Institute of Public Health (WIV-ISP), Brussels, Belgium
³⁹ Foundation for Medical Research, Mumbai, India
⁴⁰ TB Centre, London School of Hygiene and Tropical Medicine, London, UK
⁴¹ German Center for Infection Research, Borstel Site, Borstel, Germany
⁴² Saw Swee Hock School of Public Health, National University of Singapore, Singapore
⁴³ Centres for Disease Control and Prevention, Atlanta, Georgia, USA
⁴⁴ Biotec, National Science and Technology Development Agency, Thailand
⁴⁵ Africa Health Research Institute (AHSRI), Nelson Mandela School of Medicine, UKZN, Durban, South Africa
⁴⁶ Department of Microbiology, Hinduja Hospital, Mumbai, India
⁴⁷ University of California, San Diego, La Jolla, USA
⁴⁸ Foundation for Innovative and New Diagnostics (FIND), Geneva, Switzerland
⁴⁹ Clinical Microbiology and Virology Unit, Florence - Careggi University Hospital
⁵⁰ Critical Path Institute, Tucson, Arizona, USA 85718
⁵¹ Shenzhen Center for Chronic Disease Control, Shenzhen, China
⁵² University of Washington, Seattle, USA
⁵³ Centre for Infectious Diseases and Microbiology - Public Health, University of Sydney, Sydney, Australia
⁵⁴ University of Massachusetts Medical School Worcester, MA, USA 01655
⁵⁵ Massachusetts State Tuberculosis Laboratory Jamaica Plain, MA, USA 02130-3597
⁵⁶ National Mycobacterial Reference Service, Public Health England Public Health Laboratory Birmingham, Birmingham, UK
⁵⁷ Univ. Lille, CNRS, Inserm, CHU Lille, Institut Pasteur de Lille, U1019 - UMR 8204 - CIIL - Centre d'Infection et d'Immunité de Lille, F-59000 Lille, France
⁵⁸ Faculty of Medicine Siriraj Hospital, Mahidol University, Thailand
⁵⁹ Department of Pathology, Sidra Medical and Research Center, Doha, Qatar
⁶⁰ Life Sciences Institute, National University of Singapore
⁶¹ Genome Institute of Singapore, Agency for Science, Technology and Research
⁶² Oxford University Clinical Research Unit, Hospital for Tropical Disease, Ho Chi Minh City, Vietnam
⁶³ University of Leeds, Leeds, UK
⁶⁴ Oxford-Suzhou China Advance Research Center, Shanghai, China
⁶⁵ National Tuberculosis Reference Laboratory of Chinese Centre of Disease Control and Prevention, 2, China
⁶⁶ Microbial Genome Research Center, Chinese Academy of Sciences, 2, China
⁶⁷ IRD UMI233/ INSERM U1175/ Université de Montpellier, France

Author contributions: AC, AGB, AMC, AS, BZ, CAB, CCK, CK, DGB, DM, DMC, DvS, EGS, EM, ESP, ET, FAD, FMK, GH, GM, GMR, HDN, HZ, IA, IC, ICM, JF, JGa, JJ, JLG, JS, KF, KS, LB, LG, MB, MJC, MMe, MMu, MR, MRF, MSc, MSn, MW, NI, PBe, PF, PhS, PrS, PT, QG, QL, RD, RTHO, SN, ST, SVO, TAF, TAK, TG, TP, TR, VM, VS, XG, XS, YYT, and YZ contributed towards data acquisition

(including whole-genome sequencing and phenotypic drug susceptibility testing); AGC, AMC, AMS, AP, ASW, CR, DC, DM, DMC, DWC, EGS, GT, HDN, JEP, PF, PhS, PM, MRF, NI, NM, SH, SN, ST, TEAP, TMW, TNTT, and YY contributed towards study design; AMC, ASW, DC, DJW, DMC, DW, MH, MRDF, PBr, PF, PM, SL, TEAP, TMW, YY and ZI contributed towards data analysis; ASW, TEAP, and TMW wrote the manuscript; all authors contributed feedback on the manuscript.

Further details on sampling frames, missing data, *in silico* predictions for commercial molecular assays, and mislabelling rates

1. Sampling frame:

Isolates were derived from different collections, as detailed in table S1. All were enriched for resistance, with the exception of the collections from Germany (Hamburg), UK (Birmingham, Oxford, Leeds), Netherlands (except those via Harvard), and Italy (MGIT study).

Collections enriched for resistance were derived as follows:

- a. Canada: isolates were sequenced as part of a retrospective investigation to understand tuberculosis transmission dynamics, relapse and re-infection cases, and drug resistance in British Columbia, 2005-2014. This collection includes all culture-positive cases diagnosed in the province over that decade that share identical or nearly-identical (22/24 loci) MIRU-VNTR genotypes with at least one other isolate, serial samples from individuals with suspected relapse and / or re-infection, and all isolates displaying phenotypic resistance to one or more drugs. (1343 isolates, 1293 patients)
- b. Peru:
 - i. Cohort 1 (via London School of Hygiene and Tropical Medicine): isolates were sequenced as part of a population level genetic epidemiology study undertaken in 2009 in Lima following the implementation of MODS (Microscopic Observation Drug Susceptibility assay). A subset of all resistant isolates were sent for whole-genome sequencing to confirm the MODS results through molecular markers (see Louis Grandjean *et. al.* in PLoS One 2015 May 18;10(5):e0126271). (One isolate per patient)
 - ii. Cohort 2 (via Harvard): isolates were obtained as part of a convenience sample of resistant isolates used to investigate genotype-phenotype relationships in Lima. (200 isolates, 184 patients)
- c. Thailand: isolates were sequenced so as to catalogue known and attempt to identify novel genetic mutations associated with drug resistance for drug resistant TB strains in Thailand, and to study the genomic epidemiology of these strains through whole-genome sequencing. Isolates were obtained from the drug catalogue of resistant samples deposited between 1998 – 2013 at the Drug-Resistant Tuberculosis Research Fund, Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, Thailand. Resistant isolates are referred there by outlying centres for further characterisation. (One isolate per patient)
- d. Australia: Isolates were sequenced as part of our government funded translational research project focused on the understanding of MDR tuberculosis transmission in Australia. (One isolate per patient)
- e. Serbia: all MDR-TB strains isolated between 2008 and 2014 were sequenced with the aim of investigating transmission routes, evolution over time, and acquisition of drug resistance mutations. (105 isolates, 103 patients)
- f. Italy (MDR-TB cohort): These isolates were sequenced as part of study of MDR-TB in Italy between 2008-2015, excluding any MDR-TB in Florence (which were sequenced as part of the other Italian cohort (MGIT study – see above)). (131 isolates from 108 patients)
- g. eSwatini (known as Swaziland at the time): Sequenced isolates were collected during a cross-sectional survey on drug resistant tuberculosis prevalence in eSwatini (all 15 national TB diagnosis centres at the time), conducted from May 2009 to February 2010 by Médecins Sans Frontières in collaboration with the Ministry of Health of sSwatini (Sanchez-Padilla *et. al.* 2015). Of this collection all phenotypically drug resistant strains (143) as well as a selection of closely related, fully susceptible strains (based on 24-loci MIRU-VNTR, 130) were sequenced. (One isolate per patient)
- h. Netherlands: A cohort separate to the unenriched collection (see below) was shared with Harvard. These isolates were selected for their resistance and sequenced with a view to comparing phenotypic and genotypic results. (One isolate per patient)
- i. Belgium: Isolates were sequenced as part of a study to compare spoligotyping and MIRU-VNTR genotyping and whole genome sequencing. A collection of all MDR-TB strains from between 2007-2015 was used for this, along with a control cohort of all susceptible strains obtained between March and October 2013. (234 isolates from 233 patients)
- j. Spain: Isolates were sequenced as part of a pilot project to incorporate whole genome sequencing of *M. tuberculosis* as a diagnostic tool in the Hospital La Fe, Valencia. The project involved the evaluation of the concordance between WGS and routine genotypic and phenotypic testing of all positive cultures from 2014 to the beginning of 2015 (unselected) and two additional drug resistant cases from 2013. (One isolate per patient)
- k. Russia: Isolates from Samara were sequenced between 2008-2010. These were selected for an evolution and transmission study of drug resistant tuberculosis (Casali *et. al.* Nat Genet. 2014

Mar;46(3):279-86). 2,348 adult patients with pulmonary disease and culture-proven tuberculosis were recruited from all 18 civilian tuberculosis treatment clinics and hospitals located across Samara Region. From just over 1000 patients, based on the same proportion of cases presenting at each of the 18 centres, one isolate per patient was subject to WGS. 842 were included in this study, based on what could be downloaded from NCBI and what passed quality control. 10 resistant isolates from other eastern European countries were included.

- I. China:
 - i. Cohort 1 (*Yang et. al. Lancet Infect Dis. 2017 Mar;17(3):275-284*): The isolates were MDR strains with the same VNTR genotype and collected from 31 TB-designated hospitals and clinics in Shanghai during 2009-2012. In order to confirm the transmission among those MDR strains, WGS were conducted. (One isolate per one patient)
 - ii. Cohort 2 (*Zhang et. al. Nature Genetics 2013, volume 45, pages 1255–1260*): Isolates were obtained from 12 Chinese provinces, from which 161 were selected for whole-genome sequencing (44 drug-susceptible isolates, 94 MDR-TB isolates and 23 XDR-TB isolates). (One isolate per patient)
- m. Pakistan: Isolates were collected between 2014 and 2015. These were referred to the reference laboratory for further susceptibility testing of rifampicin resistance strains, with further rifampicin susceptible isolates referred from patients enrolled in DOTS treatment sites as part of routine surveillance of drug resistance in rifampicin susceptible strains. WGS was performed for the molecular characterization of rifampicin resistant/MDR strains. (415 isolates, 412 patients)
- n. South Africa: The isolates from South Africa were collected as part of a national drug resistance survey and the sequencing was performed to understand the molecular basis of resistance to other drugs and evaluate the performance of next generation sequencing as an alternative method for future surveys. (One isolate per patient)
- o. UK: Isolates from London were selected on the basis of their resistance to any anti-tuberculosis drug. All drug resistant isolates were frozen and stored by the reference laboratory and all were selected for re-culture and sequencing. For unenriched UK collections, see below. (386 isolates, 295 patients)

Collections unenriched for resistance were as follows:

- a. Isolates were drawn from a prospective population study from Birmingham, UK, (2009-13) and from a collection of routinely sequenced clinical isolates from all of Birmingham since 2013. The surrounding region (the ‘Midlands’) has been prospectively sequenced since 2014, and was retrospectively sequenced from 2012-14. All isolates from the Midlands region are referred to the one centralised reference laboratory and stored there. (3,435 isolates, 3,121 patients)
- b. Isolates were prospectively sequenced in Leeds, UK, as part of a study to sequence all positive MGIT cultures coming through Leeds laboratory between Oct 2013 to January 2014. (One isolate per patient)
- c. Isolates from Oxford, UK, were all sequenced as part of a prospective local surveillance effort, as well as part of the same study as in Leeds. (One isolate per patient)
- d. The unenriched Italian isolates were sequenced as part of a different prospective study of all positive MGIT cultures in Florence and surrounding province between February and October 2016. In Florence, all TB samples are referred to this one, centralised laboratory. (95 isolates, 93 patients)
- e. Isolates from Germany were all sequenced as part of a population transmission study in Hamburg. (One isolate per patient)
- f. Isolates from the Netherlands were sequenced as part of a prospective population-based study in 2016, with additional samples sequenced from previous years as part of outbreak surveillance work. These latter samples were not enriched for resistance. (528 isolates, 519 patients)

For all 23 collections, only those isolates that were of sufficient quality, in terms of *M. tuberculosis* reference genome coverage, were included.

Although samples from the Birmingham, Oxford and Hamburg population studies were included in a previous study from which part of the knowledgebase of resistance mutations was derived, as described in the methods section (*Walker et. al. Lancet Infect Dis. 2015 Oct;15(10):1193-1202*), no samples that were included in that 2015 paper were re-used in this study (i.e. there is zero overlap across the studies).

Had any of the components of this subset been inadvertently enriched for resistance, we would expect bias towards worse outcome in terms of the negative predictive value, rather than better outcomes. To be secure that no bias occurred, the subset analysis was re-run using only the truly prospectively sampled isolates (samples from Birmingham, only prospective samples from the Midlands outside of Birmingham, samples from Leeds, from Florence, from Hamburg over the final 3 years of that study, and from the Netherlands from 2016 only). The results are

shown in table S0 below and are not materially different from those presented in Table 2c, based on all isolates from 'collections unenriched for resistance'.

Table S0:

	Resistant phenotype, n (%)				Susceptible phenotype, n (%)				Sensitivity	Specificity	PPV	NPV
	R	S	U	F	R	S	U	F				
INH	269	8	5	4	286	14	2,746	80	59	2,899	97.1	99.5
RIF	113	0	0	9	122	27	2,877	85	104	3,093	100.0	99.1
EMB	64	1	0	0	65	44	2,716	342	33	3,135	98.5	98.4
PZA	92	6	3	6	107	23	2,938	10	51	3,022	93.9	99.2

2. Missing phenotypic data

Missing phenotypic data was largely systematic, with different countries and laboratories having different policies on what was routinely tested. Details are shown in table S1. Some within centre variation was seen, which reflects of occasional assay failure or individual clinical decision to only test a subset of drugs – for example in the context of >1 isolate from the same patient having been referred to the laboratory for testing, or one culture becoming contaminated and another clinical isolate being sought. Alternatively, where pyrazinamide susceptibility was not routinely tested, clinical grounds occasionally determined that phenotypic pyrazinamide assays were performed.

3. *In silico* predictions for the MTB/RIF Xpert and the HAIN MTBDRplus and MTBDRs/ v1.0

All genomic loci probed by these tests were explored in the genome sequence data. Where a nucleotide call other than 'wild type' was identified, a prediction was made that the molecular assay in question would report 'resistance'. This included both synonymous and non-synonymous mutations, and therefore covered both HAIN line-probe eventualities of 'MUT' or 'wild type loss'. No prediction for these assays was made where there was a mixed population in the genomic data as it is not clear how the molecular assays would perform in such circumstances.

4. Mislabelling rates

The estimated mislabelling rate for isoniazid was greater than for rifampicin. The reason for this is not certain, but a significantly higher error rate was seen in mono-resistant isolates than for MDR-TB. For example, for isoniazid susceptible isolates containing rpoB_S450L mutations, 8/347 (2.2%) were phenotypically rifampicin susceptible, whilst for isoniazid resistant isolates containing rpoB_S450L mutations only 11/1527 (0.7%) were phenotypically rifampicin susceptible ($p=0.01$). Similarly, for katG_S315T mutations, for rifampicin susceptible isolates containing katG_S315T mutations, 20/1093 (1.8%) were phenotypically isoniazid susceptible, whereas for rifampicin resistant isolates containing katG_S315T mutations, only 13/1501 (0.9%) were phenotypically isoniazid susceptible ($p=0.03$). It may therefore be that concern about MDR-TB resulted in more careful cross-checking in individual centres, and that this concern was more often present when rpoB mutations had been detected (e.g. by MTB/RIF Xpert pre-testing), leading to a lower error rate than for katG mutations.

Table S1 summary

<u>Source of original samples</u>	<u>Source of data</u>	<u>Country</u>	<u>WGS location</u>	<u>Phenotypic method</u>	<u>Agents routinely tested in this centre (for exceptions, see phenotypic results in Table S1)</u>	<u>Critical concentrations</u>
Birmingham and surrounding Midlands, UK	Public Health England, Birmingham, UK	UK	UK	MGIT 960	HREZ	H 0.1µg/mL; R 1µg/mL; E 5µg/mL; Z 100µg/mL
British Columbia , Canada	British Columbia Centre for Disease Control, Canada	Canada	Canada	MGIT 960	HRE	H 0.1µg/mL; R 1µg/mL; E 5µg/mL; Z - direct detection of pyrazinamidase activity
Samara, Russian Federation	Casali et. al. Nat Genet. 2014 (PMID: 24464101)	Russia	Russia	Resistance ratio method on LJ slopes. Modified Marks biphasic method for pyrazinamide, with confirmation in MGIT 960	HREZ	n/a
Belgium	Genoscreen	Belgium	France	MGIT 960	HREZ	H 0.1µg/mL; R 1.0µg/mL; E 5.0µg/mL; Z 100µg/mL
Hamburg	Forschungszentrum Borstel, Germany	Germany	Germany	MGIT 960	HREZ	H 0.1µg/mL; R 1µg/mL; E 5µg/mL; Z 100µg/mL
Netherlands	Harvard School of Public Health, USA	Netherlands	USA	MGIT 960	HREZ	H 0.1µg/mL; R 1.0µg/mL; E 5.0µg/mL; Z 100µg/mL
Peru	Harvard School of Public Health, USA	Peru	USA	MGIT 960	HREZ	H 0.2µg/mL; R 1.0µg/mL; E 5.0µg/mL; Z 100µg/mL
Italy	San Raffaele Hospital, Milan, Italy	Italy	Italy	MGIT 960	HREZ	H 0.1µg/mL; R 1µg/mL; E 5µg/mL; Z 100µg/mL
Italy, MGIT study in Florence	San Raffaele Hospital, Milan, Italy	Italy	Italy	MGIT 960	HREZ	H 0.1µg/mL; R 1µg/mL; E 5µg/mL; Z 100µg/mL
Leeds	Public Health England and Leeds NHS teaching hospital, UK	UK	UK	MGIT 960	HREZ	H 0.1µg/mL; R 1µg/mL; E 5µg/mL; Z 100µg/mL
London	Public Health England, London and Birmingham, UK	UK	UK	Resistance ratio method on LJ slopes. Modified Marks biphasic method for pyrazinamide, with confirmation in MGIT 960	HREZ	n/a
Swaziland	MSF Swaziland and Forschungszentrum Borstel, Germany	Swaziland	Germany	MGIT 960	HRE	H 0.1µg/mL; R 1µg/mL; E 5µg/mL; Z 100µg/mL
Netherlands	RIVM, Netherlands	Netherlands	Netherlands	MGIT 960	HREZ	H 0.1µg/mL; R 1µg/mL; E 5µg/mL; Z 100µg/mL
Oxford	Oxford University Hospitals NHS Foundation Trust	UK	UK	Resistance ratio method on LJ slopes. Modified Marks biphasic method for pyrazinamide, with confirmation in MGIT 960	HREZ	n/a
Pakistan	National TB Control Programme, Pakistan and San Raffaele Hospital, Milan	Pakistan	Italy	LJ proportion method	HREZ	H 0.2µg/mL; R 40µg/mL; E 2µg/mL; Z 100µg/mL
Lima, Peru	Lima, Peru and London School of Hygiene and Tropical Medicine, UK	Peru	UK	MODS	HR	H 0.4µg/mL; R 1.0µg/mL
Serbia	University of Belgrade, Serbia and Forschungszentrum Borstel, Germany	Serbia	Serbia	MGIT 960	HREZ	H 0.1µg/mL; R 1µg/mL; E 5µg/mL; Z 100µg/mL
South Africa	NICD, Johannesburg, South Africa	South Africa	South Africa	MGIT 960	HREZ	H 0.1µg/mL; R 1µg/mL; E 5µg/mL; Z 100µg/mL
Valencia, Spain	Valencia, Spain	Spain	Spain	MGIT 960	HREZ	H 0.1µg/mL; R 1µg/mL; E 5µg/mL; Z 100µg/mL
Thailand	National University of Singapore	Thailand	Singapore	Middlebrooks 7H10 Agar	HRE	H 0.2µg/mL; R 1.0µg/mL; E 5.0µg/mL
New South Wales, Australia	University of Sydney, Australia	Australia	Australia	MGIT 960	HREZ	H 0.1µg/mL; R 1µg/mL; E 5µg/mL; Z 100µg/mL
Shanghai, China	Yang et. al. Lancet Infect Diseases 2017 (PMID: 27919643)	China	China	MGIT 960	HRE	H 0.1µg/mL; R 1µg/mL; E 5µg/mL
China	Zhang et. al. Nat Genet. 2013 (PMID: 23995137)	China	China	Agar proportion	HRE	H 0.2µg/mL; R 40µg/mL; E 2µg/mL

Table S1, details

14.0600279	Birmingham	UK	4 (X-type)	ERR2512513	S	S	S	S	S	S	S	U	S
12.0927693	Birmingham	UK	3	ERR2512514	S	S	S	S	S	S	S	S	S
16.0602864	Birmingham	UK	4 (S-type)	SAMN07660401	S	S	S	S	S	S	S	S	S
12.0601002	Birmingham	UK	4 (Haarlem)	ERR2512515	S	S	S	S	S	S	S	S	S
14.0613755	Birmingham	UK	4 (Haarlem)	ERR2512517	S	S	S	S	S	S	S	S	S
14.0600824	Birmingham	UK	4	ERR2512518	S	S	S	S	S	S	S	S	S
15.0609511	Birmingham	UK	2	SAMN07660398	R	R	S	n/a	R	R	S	F	S
15.0613441	Birmingham	UK	4 (X-type)	SAMN07660397	S	S	S	S	S	S	S	S	S
14.0609935	Birmingham	UK	4 (Uganda)	ERR2512519	S	S	S	S	S	S	S	S	S
16.0607712	Birmingham	UK	3	ERR2512520	S	S	S	S	S	S	S	S	S
14.0603481	Birmingham	UK	3	SAMN05276311	R	R	R	S	R	R	R	R	R
13.0604905	Birmingham	UK	4 (LAM)	ERR2512521	S	S	S	S	S	S	S	S	S
10.0603374	Birmingham	UK	4	ERR2512522	S	S	S	S	S	S	S	S	S
16.0610784	Birmingham	UK	3	ERR2512523	S	S	S	S	S	S	S	S	S
16.0609808	Birmingham	UK	4	ERR2512524	S	S	S	S	S	S	U	S	S
16.0601587	Birmingham	UK	1	ERR2512525	S	S	S	n/a	S	S	S	S	S
16.0618265	Birmingham	UK	4 (Cameroon)	ERR2512526	S	S	S	S	S	S	U	S	S
13.0608439	Birmingham	UK	4 (LAM)	ERR2512527	S	S	S	S	S	S	S	S	S
16.0611493	Birmingham	UK	4 (Cameroon)	ERR2512528	S	S	S	S	S	S	S	S	S
14.0607096	Birmingham	UK	4 (X-type)	ERR2512529	S	S	S	S	S	S	S	S	S
13.0606680	Birmingham	UK	3	ERR2512634	S	S	S	S	S	S	S	S	S
10.0605209	Birmingham	UK	4 (Uganda)	ERR2512531	S	S	S	S	S	S	S	S	S
15.0601380	Birmingham	UK	5	ERR2512532	S	S	S	S	S	S	U	S	S
12.0612131	Birmingham	UK	1	ERR2512534	S	S	S	S	S	S	S	S	S
14.0616048	Birmingham	UK	4	ERR2512535	S	S	S	S	S	S	S	S	S
14.0603921	Birmingham	UK	4 (X-type)	SAMN05276312	R	S	R	R	F	R	R	F	F
16.0610279	Birmingham	UK	3	ERR2512536	S	S	S	S	S	S	S	S	S
16.0601106	Birmingham	UK	4 (Cameroon)	SAMN07660386	R	S	S	S	R	S	S	S	S
15.0605480	Birmingham	UK	4 (X-type)	SAMN07660385	R	R	S	n/a	R	R	R	F	F
14.0600157	Birmingham	UK	4	ERR2512537	S	S	S	S	S	S	S	S	S
14.0611575	Birmingham	UK	3	ERR2512538	S	S	S	S	S	S	S	S	S
12.0612892	Birmingham	UK	2	ERR2512539	S	S	S	S	S	S	S	S	S
15.0607659	Birmingham	UK	3	SAMN07660378	R	R	S	S	R	R	S	S	S
12.0611870	Birmingham	UK	M. orygis	ERR2512389	S	S	S	S	S	S	S	S	S
15.0607802	Birmingham	UK	2	SAMN07660377	R	R	n/a	R	R	R	R	R	R
16.0607131	Birmingham	UK	4 (Ural)	ERR2512541	R	S	S	S	R	S	S	S	S
13.0607356	Birmingham	UK	2	ERR2512542	S	S	S	S	S	S	S	S	S
14.0612987	Birmingham	UK	3	ERR2512543	S	S	S	S	S	S	S	S	S
15.0607066	Birmingham	UK	3	SAMN07660375	S	S	S	S	S	S	S	S	S
15.0601621	Birmingham	UK	1	ERR2512544	R	S	S	S	S	S	S	S	S
14.0612764	Birmingham	UK	3	ERR2512545	S	S	S	S	S	S	S	U	S
16.0618537	Birmingham	UK	2	ERR2512546	S	S	S	S	S	S	S	U	S
12.0614420	Birmingham	UK	3	ERR2512398	S	S	S	S	S	S	S	S	S
15.0601553	Birmingham	UK	2	SAMN07660374	S	S	S	S	S	S	S	S	S
16.0601175	Birmingham	UK	3	ERR2512538	S	S	S	S	S	S	S	S	S
12.0607066	Birmingham	UK	2	ERR2512539	S	S	S	S	S	S	S	S	S
15.0601621	Birmingham	UK	3	SAMN07660378	R	R	S	S	R	R	S	S	S
14.0612764	Birmingham	UK	1	ERR2512544	R	S	S	S	S	S	S	S	S
16.0618537	Birmingham	UK	3	ERR2512545	S	S	S	S	S	S	S	S	S
12.0614420	Birmingham	UK	2	ERR2512546	S	S	S	S	S	S	S	S	S
15.0601553	Birmingham	UK	3	ERR2512547	S	S	S	S	S	S	S	S	S
16.0604896	Birmingham	UK	4 (S-type)	ERR2512548	S	S	S	S	S	S	S	S	S
16.0618494	Birmingham	UK	BCG	ERR2512549	S	S	S	S	R	S	S	S	R
15.0601154	Birmingham	UK	2	ERR2512550	S	S	S	S	S	S	S	U	S
15.0607073	Birmingham	UK	4 (X-type)	SAMN07660373	n/a	n/a	S	n/a	S	F	S	S	S
15.0615230	Birmingham	UK	4 (Haarlem)	SAMN07660371	S	S	S	S	S	S	S	S	S
12.0616799	Birmingham	UK	3	ERR2512551	S	S	S	S	S	S	S	S	S
13.0607893	Birmingham	UK	2	ERR2512552	S	S	S	S	S	S	S	S	S
16.0601745	Birmingham	UK	4 (Haarlem)	ERR2512553	S	S	S	S	S	S	S	S	S
14.0609751	Birmingham	UK	3	ERR2512554	S	S	S	S	S	S	S	S	S
13.0611150	Birmingham	UK	1	ERR2512555	S	S	S	S	S	S	S	S	S
15.0613384	Birmingham	UK	4	SAMN07660370	n/a	n/a	S	n/a	S	n/a	S	S	S
16.0618501	Birmingham	UK	3	ERR2512556	S	S	S	S	S	S	S	S	S
16.0618346	Birmingham	UK	3	ERR2512557	S	S	S	S	S	S	S	S	S
16.0604301	Birmingham	UK	3	ERR2512558	S	S	S	S	S	S	S	S	S
14.0600715	Birmingham	UK	4	ERR2512559	S	S	S	S	S	S	S	S	S
14.0600760	Birmingham	UK	4	ERR2512560	S	S	S	S	S	S	S	S	S
13.0609451	Birmingham	UK	1	ERR2512561	S	S	S	S	S	S	S	S	S
12.0613656	Birmingham	UK	2	ERR2512562	S	S	S	S	S	S	S	S	S
13.0609878	Birmingham	UK	3	ERR2512563	S	S	S	S	S	S	S	S	S
14.0600791	Birmingham	UK	3	ERR2512564	S	S	S	S	S	S	S	S	S
13.0613207	Birmingham	UK	3	ERR2512565	S	S	S	S	S	S	S	S	S
15.0601116	Birmingham	UK	4	ERR2512566	S	S	S	S	S	S	S	U	S
15.0611664	Birmingham	UK	3	SAMN07660359	S	S	S	S	S	S	S	S	S
13.0613552	Birmingham	UK	3	ERR2512567	S	S	S	S	S	S	S	U	S
16.0618518	Birmingham	UK	4	ERR2512568	S	S	S	S	S	S	S	S	S
12.0615228	Birmingham	UK	3	ERR2512569	S	S	S	S	S	S	S	S	S
15.0607160	Birmingham	UK	3	SAMN07660358	S	S	S	S	S	S	S	S	S
16.0604639	Birmingham	UK	M. bovis	ERR2512570	S	S	S	R	S	S	S	R	S
14.0609326	Birmingham	UK	4 (LAM)	ERR2512571	S	S	S	S	S	S	S	S	S
16.0610438	Birmingham	UK	3	ERR2512572	S	S	S	S	S	S	S	S	S
10.0604992	Birmingham	UK	4 (S-type)	ERR2512573	S	S	S	S	S	S	S	S	S
14.0602981	Birmingham	UK	3	SAMN05276318	S	S	S	S	S	S	S	S	S
14.0600232	Birmingham	UK	3	ERR2512574	S	S	S	S	S	S	S	S	S
14.0600968	Birmingham	UK	4	ERR2512575	S	S	S	S	S	S	S	U	S
13.0608572	Birmingham	UK	4 (X-type)	ERR2512576	S	S	S	S	S	S	S	S	S
15.0607529	Birmingham	UK	1	SAMN07660352	S	S	S	S	S	S	U	S	S
16.0601859	Birmingham	UK	3	ERR2512577	S	S	S	S	S	S	S	S	S
15.0601192	Birmingham	UK	4 (Haarlem)	ERR2512578	S	S	S	S	S	S	S	S	S
12.0610875	Birmingham	UK	3	ERR2512579	S	S	S	S	S	S	S	S	S
14.0609245	Birmingham	UK	3	ERR2512580	S	S	S	S	S	S	S	S	S
16.0603317	Birmingham	UK	4	ERR2512581	S	S	S	S	S	S	S	S	S
14.0600418	Birmingham	UK	4 (Haarlem)	ERR2512581	S	S	S	S	S	S	S	S	S
14.0602059	Birmingham	UK	4 (LAM)	ERR2512582	R	S	S	S	R	S	S	S	S
15.0607338	Birmingham	UK	1	SAMN07660346	S	S	S	S	S	S	S	S	S
12.0612788	Birmingham	UK	4 (LAM)	ERR2512583	S	S	S	S	S	S	S	S	S
14.0609529	Birmingham	UK	1	ERR2512584	S	S	S	S	S	S	S	S	S
12.0615219	Birmingham	UK	3	ERR2512585	R	S	S	S	R	S	S	S	S
13.0601211	Birmingham	UK	4 (Tur)	ERR2512586	S	S	S	S	S	S	S	S	S
14.0600472	Birmingham	UK	4 (LAM)	ERR2512587	S	S	S	S	S	S	S	S	S
15.0606095	Birmingham	UK	1	SAMN07660345	R	S	S	n/a	R	S	S	S	S
12.0616381	Birmingham	UK	1	ERR2512588	S	S	S	S	S	S	S	U	S
16.0601830	Birmingham	UK	4 (Uganda)	ERR2512590	S	S	S	S	S	S	S	S	S
15.0607931	Birmingham	UK	4	SAMN07660342	S	S	S	S	S	S	S	S	S
14.0609481	Birmingham	UK	2	ERR2512591	R	R	R	R	R	R	R	R	R
16.0617386	Birmingham	UK	2	ERR2512592	S	S	S	S	S	S	S	S	S
12.0614867	Birmingham	UK	4 (Ural)	ERR2512593	S	S	S	S	S	S	S	S	S
15.0601455	Birmingham	UK	3	ERR2512594	S	S	S	S	S	S	S	S	S
13.0613205	Birmingham	UK	1	ERR2512595	R	S	S	S	R	S	S	U	S
13.0615665	Birmingham	UK	2	ERR2512596	R	R	S	n/a	R	R	R	R	U
15.0601460	Birmingham	UK	4 (Tur)	ERR2513907	S	S	S	S	S	S	S	S	S
16.0607992	Birmingham	UK	1	ERR2512598	S	S	S	S	S	S	S	S	S
15.0601431	Birmingham	UK	1	SAMN0									

13.0613313	Birmingham	UK	4 (Haarlem)	ERR2512614	S	S	S	S	S	S	S	S	S
16.0617570	Birmingham	UK	3	ERR2512615	S	S	S	S	S	F	S	S	S
14.0600890	Birmingham	UK	3	ERR2513464	S	S	S	S	S	S	S	S	S
15.0607837	Birmingham	UK	2	SAMN07660323	S	S	S	S	S	S	S	S	S
14.0600822	Birmingham	UK	4 (X-type)	ERR2512617	S	S	S	S	S	S	S	S	S
14.0600646	Birmingham	UK	3	ERR2512618	S	S	S	S	S	S	S	S	S
13.0608692	Birmingham	UK	4 (Cameroon)	ERR2512619	S	S	S	S	S	S	S	S	S
14.0606710	Birmingham	UK	4 (LAM)	ERR2513624	S	S	S	S	S	S	S	S	S
16.0618566	Birmingham	UK	4	ERR2512621	S	S	S	S	S	S	S	S	S
16.0600854	Birmingham	UK	3	SAMN07660318	S	S	S	S	S	S	S	S	S
13.0610479	Birmingham	UK	3	ERR2512622	S	S	S	S	S	S	S	S	S
15.0607157	Birmingham	UK	4 (Tur)	SAMN07660316	R	S	S	S	R	S	S	S	S
15.0613496	Birmingham	UK	3	SAMN07660314	S	S	S	S	S	S	S	S	S
16.0608290	Birmingham	UK		ERR2512624	S	S	S	S	S	S	S	S	S
16.0607011	Birmingham	UK	4 (LAM)	ERR2512625	S	S	S	S	S	S	S	S	S
15.0608047	Birmingham	UK	3	SAMN07660313	S	S	S	S	S	S	S	S	S
13.0613183	Birmingham	UK	4 (X-type)	ERR2512626	S	n/a	S	S	S	R	S	S	S
14.0609667	Birmingham	UK	4	ERR2512627	S	S	S	S	S	S	S	S	S
13.0605682	Birmingham	UK	4 (S-type)	ERR2512628	S	S	S	S	S	S	S	S	S
15.0607921	Birmingham	UK	1	SAMN07660311	S	S	S	S	S	S	S	S	S
14.0609303	Birmingham	UK	3	ERR2512629	S	S	n/a	S	S	S	S	S	S
16.0607257	Birmingham	UK	4	ERR2512630	S	S	S	S	S	S	S	S	S
15.0601461	Birmingham	UK	1	ERR2512631	S	S	S	S	S	S	S	S	S
09.0600421	Birmingham	UK	3	ERR2512632	S	S	S	S	S	S	S	S	S
16.0605013	Birmingham	UK	6	ERR2512633	S	S	S	S	S	U	S	S	S
13.0605720	Birmingham	UK	4 (Haarlem)	ERR2512560	S	S	S	S	S	S	S	S	S
13.0607499	Birmingham	UK	2	ERR2512635	S	S	S	S	S	S	S	S	S
16.0601660	Birmingham	UK	3	ERR2512636	S	S	S	S	S	S	S	S	S
13.0607383	Birmingham	UK	4	ERR2512637	S	S	S	S	S	S	S	S	S
16.0605385	Birmingham	UK	3	ERR2512638	S	S	S	S	S	S	S	S	S
14.0600211	Birmingham	UK	4	ERR2512639	S	S	S	S	S	S	S	S	S
16.0601329	Birmingham	UK	3	SAMN07660307	S	S	S	S	S	U	S	S	S
15.0601933	Birmingham	UK	3	SAMN07660305	R	R	S	S	R	R	S	S	S
16.0601171	Birmingham	UK	3	SAMN07660303	S	S	S	S	S	S	S	S	S
15.0607835	Birmingham	UK	3	SAMN07660302	S	S	S	S	S	F	S	S	S
13.0613046	Birmingham	UK	4	ERR2512640	S	S	S	S	S	S	S	S	S
15.0602904	Birmingham	UK	2	SAMN07660300	R	R	S	S	R	R	S	F	S
16.0613084	Birmingham	UK	4 (S-type)	ERR2512642	S	S	S	S	n/a	S	S	S	R
16.0607442	Birmingham	UK	3	ERR2512643	S	S	S	S	S	S	S	S	S
14.0607804	Birmingham	UK		ERR2512644	S	S	S	S	S	S	S	S	S
14.0600406	Birmingham	UK	4 (Haarlem)	ERR2512645	S	S	S	S	S	S	S	S	S
12.0926048	Birmingham	UK	4 (S-type)	ERR2512646	S	S	S	S	S	S	S	S	S
14.0608109	Birmingham	UK	M. bovis	ERR2512647	S	S	S	R	S	S	S	R	S
13.0609268	Birmingham	UK	3	ERR2512648	S	S	S	S	S	S	S	S	S
14.0600309	Birmingham	UK	1	ERR2512649	S	S	S	S	S	S	S	S	S
15.0614506	Birmingham	UK	2	SAMN07660296	R	S	S	n/a	R	S	R	S	S
14.0600881	Birmingham	UK	4 (X-type)	ERR2512650	S	S	S	S	S	S	S	S	S
13.0610729	Birmingham	UK	3	ERR2512651	S	S	S	S	S	S	S	S	S
13.0614500	Birmingham	UK	4 (LAM)	ERR2512652	S	S	S	S	S	S	S	S	S
16.0601527	Birmingham	UK	2	ERR2512653	S	S	S	S	S	S	S	S	S
12.0608580	Birmingham	UK	3	ERR2512654	S	S	S	S	S	U	S	S	S
16.0607609	Birmingham	UK	4 (Haarlem)	ERR2512655	S	S	S	S	S	S	S	S	S
16.0606604	Birmingham	UK	4 (Haarlem)	ERR2512656	S	S	S	S	S	S	S	S	S
16.0601999	Birmingham	UK	3	ERR2512657	S	S	S	S	S	S	S	S	S
16.0607165	Birmingham	UK	3	ERR2512658	S	S	S	S	S	S	S	S	S
12.0927699	Birmingham	UK	4	ERR2512659	S	S	S	S	S	S	S	S	S
16.0607977	Birmingham	UK	3	ERR2512660	S	S	S	S	S	S	S	S	S
15.0601633	Birmingham	UK	3	ERR2512661	S	S	S	S	S	S	S	S	S
13.0607961	Birmingham	UK	4 (LAM)	ERR2512662	S	S	S	S	S	U	U	S	S
14.0609960	Birmingham	UK	2	ERR2513783	R	S	S	S	R	S	R	S	S
13.0617294	Birmingham	UK	3	ERR2512664	S	S	S	S	n/a	S	S	S	S
12.0613638	Birmingham	UK	4	ERR2512665	S	S	S	S	S	S	S	S	S
12.0612203	Birmingham	UK	1	ERR2512666	S	S	S	S	S	S	S	S	S
16.0601794	Birmingham	UK	4 (Uganda)	ERR2512667	S	S	S	S	S	S	S	S	S
13.0604896	Birmingham	UK	4 (X-type)	ERR2512668	S	S	S	S	S	S	S	S	S
13.0615631	Birmingham	UK	5	ERR2512669	S	S	S	S	S	S	U	S	S
13.0602577	Birmingham	UK	3	ERR2512670	S	S	S	S	S	S	S	S	S
15.0615401	Birmingham	UK	3	SAMN07660289	S	S	S	S	S	S	S	S	S
13.0613309	Birmingham	UK	3	ERR2512671	S	S	S	S	S	S	S	S	S
15.0602762	Birmingham	UK	4	SAMN07660286	S	S	S	S	S	S	S	S	S
14.0600565	Birmingham	UK	4	ERR2512672	S	S	S	S	S	S	S	S	S
14.0600707	Birmingham	UK	4 (Haarlem)	ERR2513305	S	S	S	S	S	S	S	S	S
15.0601441	Birmingham	UK	4 (Haarlem)	ERR2512674	S	S	S	S	S	S	U	S	S
15.0607698	Birmingham	UK	4	SAMN07660283	S	S	S	S	S	S	S	S	S
14.0609132	Birmingham	UK	M. bovis	ERR2512675	S	S	S	R	S	S	U	R	S
14.0600910	Birmingham	UK	M. bovis	ERR2512676	S	S	S	R	F	S	U	R	S
16.0617500	Birmingham	UK	3	ERR2512677	S	S	S	S	S	S	S	S	S
13.0610759	Birmingham	UK	1	ERR2512678	S	S	S	S	S	S	S	S	S
14.0616171	Birmingham	UK	3	ERR2512679	S	S	S	S	S	S	S	S	S
13.0605180	Birmingham	UK	3	ERR2512680	S	S	S	S	S	S	S	S	S
14.0600622	Birmingham	UK	2	ERR2512681	S	S	S	S	S	S	S	S	S
16.0601530	Birmingham	UK	6	ERR2512682	S	S	S	S	S	S	U	U	S
15.0601298	Birmingham	UK	3	SAMN07660272	S	S	S	S	S	S	U	S	S
14.0600129	Birmingham	UK	3	ERR2512683	S	S	S	S	S	S	S	S	S
11.0607091	Birmingham	UK	4 (Haarlem)	ERR2512684	n/a	S	S	S	S	S	S	S	S
13.0604053	Birmingham	UK	3	ERR2512685	S	S	S	S	S	S	S	S	S
14.0600534	Birmingham	UK	4 (X-type)	ERR2512686	S	S	S	S	S	S	S	S	S
15.0601979	Birmingham	UK	3	SAMN07660270	S	S	S	S	S	S	S	S	S
13.0618062	Birmingham	UK	4 (Cameroon)	ERR2512687	S	S	S	S	S	S	S	U	S
13.0600045	Birmingham	UK	3	ERR2512688	S	S	S	S	S	S	S	S	S
15.0614148	Birmingham	UK	4	SAMN07660266	S	S	S	S	S	S	S	S	S
16.0617384	Birmingham	UK	4 (LAM)	ERR2512689	S	S	S	S	S	S	S	S	S
14.0600401	Birmingham	UK	1	ERR2512690	S	S	S	S	S	S	S	S	S
15.0607151	Birmingham	UK	4	SAMN07660263	S	S	S	S	S	S	S	S	S
14.0601000	Birmingham	UK	4 (Cameroon)	ERR2513583	S	S	S	S	S	S	S	S	S
14.0600167	Birmingham	UK	1	ERR2512692	S	S	S	S	S	S	S	S	S
16.0607357	Birmingham	UK	1	ERR2512693	S	S	S	S	S	S	S	S	S
16.0600501	Birmingham	UK	4	SAMN07660262	S	S	S	S	S	S	S	S	S
16.0601716	Birmingham	UK	4 (LAM)	ERR2512694	S	S	S	S	S	S	S	S	S
13.0607866	Birmingham	UK	3	ERR2512695	S	S	S	S	S	S	S	S	S
10.0609409	Birmingham	UK	3	ERR2512696	S	S	S	S	S	S	S	S	S
12.0612519	Birmingham	UK	3	ERR2512391	R	S	S	S	R	S	U	S	S
16.0618433	Birmingham	UK	1	ERR2512698	S	S	S	S	S	S	S	S	S
16.0618281	Birmingham	UK	1	ERR2512699	S	S	S	S	S	S	S	S	S
15.0601101	Birmingham	UK	2	ERR2512700	R	R	R	R	R	R	R	R	S
12.0614150	Birmingham	UK	4 (X-type)	ERR2512397	S	S	S	S	S	S	S	S	S
15.0613478	Birmingham	UK	4 (Haarlem)	SAMN07660255	S	S	S	S	S	S	S	S	S
14.0600585	Birmingham	UK	4 (Cameroon)	ERR2512702	S	S	S	S	S	S	S	S	S
13.0609260	Birmingham	UK	3	ERR2512765	S	S	S	S	S	S	S	S	S
14.0613579	Birmingham	UK	4 (LAM)	ERR2512704	S	S	S	S	S	S	S	S	S
13.0609437	Birmingham	UK	3	ERR2512705	S	S	S	S	S	S	S	S	S
13.0616622	Birmingham	UK	4	ERR2512706	S	S	S	S	S	S	S	S	S
13.0617139	Birmingham	UK	3	ERR2512707	S								

16.0617145	Birmingham	UK	4 (Cameroon)	ERR2512716	n/a	S	S	S	R	S	S	S
13.0609450	Birmingham	UK	3	ERR2512814	S	S	S	S	S	S	S	F
14.0613536	Birmingham	UK	2	ERR2512718	R	R	S	R	R	R	S	S
14.0609731	Birmingham	UK	4	ERR2512719	S	S	S	S	S	S	S	S
11.0600002	Birmingham	UK	3	ERR2512720	S	S	S	S	S	S	U	S
13.0605670	Birmingham	UK	3	ERR2512547	S	S	S	S	S	S	S	S
13.0605667	Birmingham	UK	3	ERR2512722	S	S	S	S	S	S	S	S
13.0604518	Birmingham	UK	4 (S-type)	ERR2512723	S	S	S	S	S	S	U	S
16.0606291	Birmingham	UK	1	ERR2512724	S	S	S	S	S	S	S	S
16.0611579	Birmingham	UK	4	ERR2512725	S	S	S	S	n/a	S	S	S
15.0613463	Birmingham	UK	1	SAMN07660236	S	S	S	S	n/a	S	S	S
14.0616088	Birmingham	UK	1	ERR2512726	S	S	S	S	S	S	S	S
13.0608099	Birmingham	UK	3	ERR2512727	S	S	S	S	S	S	S	S
15.0607946	Birmingham	UK	4 (X-type)	ERR2512728	S	S	S	S	S	S	S	S
14.0600481	Birmingham	UK	3	ERR2512729	S	S	S	S	S	S	S	S
14.0600972	Birmingham	UK	3	ERR2512730	R	R	R	R	R	R	R	R
15.0601750	Birmingham	UK	4 (X-type)	SAMN07660234	S	S	S	S	S	S	S	S
13.0610477	Birmingham	UK	1	ERR2512731	S	S	S	S	S	S	S	S
16.0617041	Birmingham	UK	M. bovis	ERR2512732	S	S	S	R	S	S	U	R
15.0607640	Birmingham	UK	3	SAMN07660229	S	S	S	S	S	S	S	S
16.0601008	Birmingham	UK	4 (Cameroon)	SAMN07660228	S	S	S	S	S	S	S	S
16.0617611	Birmingham	UK	4 (X-type)	ERR2512733	S	S	S	S	S	S	S	S
15.0613346	Birmingham	UK	1	SAMN07660223	S	S	S	n/a	S	S	S	S
14.0609622	Birmingham	UK	4	ERR2512734	S	S	S	S	S	S	S	S
15.0611900	Birmingham	UK	4	SAMN07660226	S	S	S	S	S	S	S	S
16.0601923	Birmingham	UK	4 (LAM)	ERR2512735	S	S	S	S	S	S	S	S
15.0607333	Birmingham	UK	4 (Tur)	SAMN07660224	S	S	S	S	S	S	S	S
09.0601167	Birmingham	UK	2	ERR2512736	S	S	S	S	S	S	S	F
16.0601373	Birmingham	UK	1	SAMN07660223	S	S	S	S	S	S	S	S
16.0614143	Birmingham	UK	3	ERR2512737	S	S	S	S	S	S	S	S
14.0611813	Birmingham	UK	4	ERR2512738	S	S	S	S	S	S	S	S
14.0609424	Birmingham	UK	4	ERR2512739	S	S	S	S	S	S	S	S
13.0608332	Birmingham	UK	4 (X-type)	ERR2512740	S	S	S	S	S	S	S	S
16.0618305	Birmingham	UK	3	ERR2512741	S	S	S	S	S	S	S	S
11.0611138	Birmingham	UK	2	ERR2512742	S	S	S	S	S	S	S	S
16.0618273	Birmingham	UK	4	ERR2512743	S	S	S	S	S	S	S	S
13.0609635	Birmingham	UK	4 (Haarlem)	ERR2512744	S	S	S	S	R	S	S	S
13.0604524	Birmingham	UK	3	ERR2512745	S	S	S	S	S	S	S	S
15.0613347	Birmingham	UK	4 (Haarlem)	SAMN07660221	S	S	S	S	S	S	S	S
14.0600093	Birmingham	UK	2	ERR2512746	S	S	S	R	S	S	S	R
15.0607258	Birmingham	UK	4 (X-type)	SAMN07660218	S	S	S	S	S	S	S	S
12.0600591	Birmingham	UK	1	ERR2512747	S	S	S	S	S	S	S	S
16.0601270	Birmingham	UK	2	ERR2512748	S	S	S	S	U	S	S	S
14.0609844	Birmingham	UK	3	ERR2512749	S	S	S	S	S	S	S	S
16.0601513	Birmingham	UK	1	ERR2512750	S	S	S	n/a	S	S	S	S
15.0603311	Birmingham	UK	4 (Haarlem)	SAMN07660217	S	S	S	S	S	S	S	S
15.0604197	Birmingham	UK	4 (X-type)	SAMN07660216	S	S	S	S	S	S	S	S
14.0600496	Birmingham	UK	4 (LAM)	ERR2512751	S	S	S	S	S	S	S	S
14.0612288	Birmingham	UK	4 (LAM)	ERR2512752	R	S	S	R	S	S	S	S
16.0607093	Birmingham	UK	4	ERR2512753	S	S	S	S	S	S	S	S
15.0601260	Birmingham	UK	4 (X-type)	ERR2512754	S	S	S	S	S	S	S	S
15.0607410	Birmingham	UK	4 (X-type)	SAMN07660213	S	S	S	S	F	S	S	S
13.0609886	Birmingham	UK	M. bovis	ERR2512755	S	S	S	R	S	S	S	R
16.0618519	Birmingham	UK	3	ERR2512756	S	S	S	S	S	S	S	S
15.0601659	Birmingham	UK	3	ERR2512757	S	S	S	S	S	S	S	S
13.0606647	Birmingham	UK	4 (LAM)	ERR2512758	S	S	S	S	S	S	S	S
13.0617512	Birmingham	UK	2	ERR2512759	S	S	S	S	S	U	S	S
14.0600048	Birmingham	UK	2	ERR2512760	S	S	S	S	R	S	S	S
14.0609769	Birmingham	UK	4	ERR2512761	S	S	S	S	S	S	S	S
11.0600416	Birmingham	UK	3	ERR2512762	S	S	S	S	S	S	S	S
15.0604807	Birmingham	UK	3	SAMN07660210	S	S	S	S	S	S	S	S
13.0613161	Birmingham	UK	1	ERR2512763	S	S	S	S	S	S	S	S
13.0613573	Birmingham	UK	4	ERR2512764	S	S	S	S	S	U	S	S
12.0616920	Birmingham	UK	3	ERR2512406	S	S	S	S	S	S	S	S
14.0609836	Birmingham	UK	3	ERR2512766	S	S	S	S	F	S	S	S
15.0601744	Birmingham	UK	4 (Haarlem)	SAMN07660208	S	S	S	S	S	S	S	S
16.0617571	Birmingham	UK	4	ERR2512767	S	S	S	n/a	S	S	S	S
14.0610487	Birmingham	UK	3	ERR2512768	S	S	S	S	S	S	S	S
16.0607148	Birmingham	UK	1	ERR2512769	S	S	S	n/a	S	S	S	S
16.0607835	Birmingham	UK	4 (Ural)	ERR2512770	S	S	S	S	F	F	F	S
12.0613050	Birmingham	UK	1	ERR2512771	S	S	S	S	S	S	S	S
12.0605913	Birmingham	UK	3	ERR2512772	S	S	S	S	S	S	S	S
17.0601255	Birmingham	UK	4 (Haarlem)	ERR2512773	S	S	S	S	S	S	S	S
15.0601858	Birmingham	UK	3	SAMN07660206	S	S	S	S	S	U	S	S
16.0607688	Birmingham	UK	3	ERR2512774	S	S	S	S	S	S	S	S
15.0607278	Birmingham	UK	4 (Tur)	SAMN07660202	S	S	S	S	S	S	S	S
16.0601536	Birmingham	UK	4 (Ural)	ERR2512775	S	S	S	S	S	S	S	S
12.0615525	Birmingham	UK	3	ERR2512776	S	S	S	S	S	S	S	S
14.0609190	Birmingham	UK	2	ERR2512777	S	S	S	S	S	S	S	S
14.0600255	Birmingham	UK	4	ERR2512778	S	S	S	S	S	S	S	S
14.0613142	Birmingham	UK	4 (Cameroon)	ERR2512779	S	S	S	S	S	U	S	S
16.0601518	Birmingham	UK	3	ERR2512780	R	S	S	F	U	U	U	S
12.0617768	Birmingham	UK	3	ERR2512781	n/a	n/a	n/a	S	S	U	S	S
12.0616137	Birmingham	UK	4	ERR2512782	S	S	S	S	S	S	S	S
15.0607765	Birmingham	UK	4	SAMN07660198	S	S	S	S	S	S	S	S
16.0617206	Birmingham	UK	4 (Ural)	ERR2512783	S	S	S	S	S	S	S	S
12.0612605	Birmingham	UK	3	ERR2512784	S	S	S	S	S	S	S	S
14.0600829	Birmingham	UK	1	ERR2512785	S	S	S	S	S	S	S	S
13.0611006	Birmingham	UK	4	ERR2512786	S	S	S	S	S	F	S	S
09.0611913	Birmingham	UK	3	ERR2512787	S	S	S	S	S	S	S	S
14.0609337	Birmingham	UK	M. orygis	ERR2512788	S	S	S	S	S	S	S	S
14.0616187	Birmingham	UK	3	ERR2512789	S	S	S	S	S	S	S	S
13.0604079	Birmingham	UK	3	ERR2512790	S	S	S	S	S	S	S	S
14.0609840	Birmingham	UK	1	ERR2512791	S	S	S	S	S	S	S	S
13.0608446	Birmingham	UK	4 (Ural)	ERR2512792	S	S	S	S	S	S	S	S
12.0612537	Birmingham	UK	3	ERR2512793	S	S	S	S	S	S	S	S
12.0617272	Birmingham	UK	4 (LAM)	ERR2512794	S	S	S	S	S	S	S	S
15.0601911	Birmingham	UK	1	SAMN07660190	S	S	S	S	S	S	S	S
13.0607719	Birmingham	UK	3	ERR2512795	S	S	S	S	S	S	S	S
16.0601126	Birmingham	UK	3	SAMN07660188	S	S	S	S	S	S	S	S
14.0609055	Birmingham	UK	3	ERR2512796	S	S	S	S	S	S	S	S
16.0611979	Birmingham	UK	3	ERR2512797	n/a	S	S	S	S	S	S	S
15.0607932	Birmingham	UK	3	SAMN07660186	S	S	S	S	S	S	S	S
13.0613279	Birmingham	UK	4 (Haarlem)	ERR2512798	S	S	S	S	S	S	S	S
12.0927688	Birmingham	UK	1	ERR2512799	S	S	S	F	S	U	S	S
14.0600872	Birmingham	UK	1	ERR2512800	S	S	S	S	S	S	S	S
13.0601979	Birmingham	UK	3	ERR2512801	S	S	S	S	F	S	F	S
14.0609714	Birmingham	UK	3	ERR2512802	R	S	S	R	S	U	S	S
14.0600732	Birmingham	UK	3	ERR2512803	S	S	S	S	S	S	S	S
16.0617394	Birmingham	UK	1	ERR2512804	S	S	S	S	S	S	S	S
13.0612203	Birmingham	UK	4	ERR2512805	S	S	S	S	S	S	S	S
14.0600366	Birmingham	UK	1	ERR2512806	S	S	S	S	S	S	S	S
12.0615205	Birmingham	UK	3	ERR2512807	S	S	S	S	S	S	U	S
14.0615435	Birmingham	UK	1	ERR2512808	n/a	n/a	n/a	S	U	S	S	S
12.0614243	Birmingham	UK	3	ERR2512809	S	S	S	S	S	S	S	S
15.0601917	Birmingham	UK	1	SAMN07660178	S	S	S	S	S	S	S	S
15.0613414	Birmingham	UK	4	SAMN07660172	S	S	S	S	S	S	S	S
14.0600013	Birmingham	UK	4 (X-type)	ERR2512810	S	S	S	S	S	S	S	S
16.0606668	Birmingham	UK	3	ERR2512811	S	S	S	S				

14.0600300	Birmingham	UK	4	ERR2513337	S	S	S	S	S	S	S	S	S
14.0614166	Birmingham	UK	4 (Haarlem)	ERR2512815	S	S	S	S	S	S	S	S	S
12.0600662	Birmingham	UK	3	ERR2512816	S	S	S	S	S	S	S	S	S
16.0617087	Birmingham	UK	4 (Ural)	ERR2512817	S	S	S	S	S	S	S	S	S
15.0601379	Birmingham	UK	3	ERR2512818	S	S	S	S	S	S	S	U	S
13.0605635	Birmingham	UK	4 (LAM)	ERR2512819	S	S	S	S	S	S	S	S	S
15.0610969	Birmingham	UK	3	SAMN07660167	S	S	S	S	S	S	S	S	S
16.0601185	Birmingham	UK	3	SAMN07660165	S	S	S	S	S	F	S	S	S
13.0608432	Birmingham	UK	3	ERR2512820	S	S	S	S	S	S	S	S	S
15.0601090	Birmingham	UK	3	ERR2512821	R	S	S	S	S	R	R	R	R
14.0600978	Birmingham	UK	1	ERR2512822	S	S	S	S	S	R	R	R	R
13.0606199	Birmingham	UK	3	ERR2512823	S	S	S	S	S	S	S	S	S
14.0609557	Birmingham	UK	3	ERR2512824	R	S	S	S	S	R	S	U	S
16.0617354	Birmingham	UK	3	ERR2512825	S	S	S	S	S	S	R	S	S
16.0601834	Birmingham	UK	M. orygis	ERR2512826	n/a	n/a	n/a	S	S	S	S	S	S
15.0607357	Birmingham	UK	1	SAMN07660160	S	S	S	S	S	S	S	S	S
13.0609735	Birmingham	UK	3	ERR2512827	S	S	S	S	S	S	S	S	S
15.0601202	Birmingham	UK	3	ERR2512828	S	S	S	S	S	S	S	S	S
15.0612195	Birmingham	UK	3	SAMN07660158	S	S	S	S	S	S	S	U	S
16.0607182	Birmingham	UK	3	ERR2512829	S	S	S	S	S	S	S	S	S
15.0601935	Birmingham	UK	4 (Tur)	SAMN07660157	n/a	S	S	S	R	S	S	S	S
14.0600573	Birmingham	UK	3	ERR2512830	S	S	S	S	S	S	U	S	S
13.0606682	Birmingham	UK	4	ERR2512831	S	S	S	S	S	S	S	S	S
16.0600998	Birmingham	UK	4 (Cameroon)	SAMN07660156	S	S	S	S	S	S	S	S	S
15.0613120	Birmingham	UK	4 (Haarlem)	SAMN07660155	S	S	S	S	S	S	S	S	S
14.0614276	Birmingham	UK	4 (LAM)	ERR2512832	S	S	S	S	F	S	S	S	S
13.0604517	Birmingham	UK	3	ERR2512833	S	S	S	S	S	S	S	S	S
15.0605364	Birmingham	UK	2	SAMN07660153	S	S	S	S	S	S	S	S	S
13.0608407	Birmingham	UK	4 (X-type)	ERR2512834	S	S	S	S	S	S	S	S	S
13.0607819	Birmingham	UK	4 (Haarlem)	ERR2512835	S	S	S	S	S	S	S	S	S
13.0604056	Birmingham	UK	2	ERR2512836	S	S	S	S	S	S	S	S	S
16.0601662	Birmingham	UK	4 (Haarlem)	ERR2512837	S	S	S	S	S	S	S	S	S
15.0601569	Birmingham	UK	M. bovis	ERR2512838	S	S	S	R	S	S	S	R	S
15.0601841	Birmingham	UK	3	SAMN07660147	S	S	S	S	S	S	S	U	S
12.0614542	Birmingham	UK	M. bovis	ERR2512839	S	S	S	R	S	S	S	R	S
13.0610345	Birmingham	UK	1	ERR2512840	S	S	S	S	S	S	S	S	S
16.0604035	Birmingham	UK	2	ERR2512841	R	S	R	n/a	R	S	R	S	S
17.0601143	Birmingham	UK	4 (LAM)	ERR2512842	S	S	S	S	F	S	F	S	S
15.0601722	Birmingham	UK	1	SAMN07660146	S	S	S	S	S	S	S	U	S
13.0601463	Birmingham	UK	4 (Haarlem)	ERR2512843	S	S	S	S	S	S	S	S	S
14.0600042	Birmingham	UK	4 (X-type)	ERR2512844	S	S	S	S	S	S	S	S	S
13.0613433	Birmingham	UK	4 (LAM)	ERR2512845	S	S	S	S	S	S	S	S	S
16.0607659	Birmingham	UK	4 (Haarlem)	ERR2512846	S	S	S	S	S	S	S	S	S
16.0607477	Birmingham	UK	1	ERR2512847	S	S	S	S	S	S	S	S	S
16.0607466	Birmingham	UK	1	ERR2512848	S	S	S	S	S	S	S	S	S
15.0601128	Birmingham	UK	1	ERR2512849	S	S	S	S	S	S	F	S	S
17.0601016	Birmingham	UK	4	ERR2512850	S	S	S	S	S	S	S	S	S
09.0605581	Birmingham	UK	2	ERR2512851	n/a	S	S	S	R	S	R	S	S
13.0611889	Birmingham	UK	4	ERR2512852	S	S	S	S	S	S	S	S	S
14.0609802	Birmingham	UK	4 (LAM)	ERR2512853	S	S	S	S	S	S	S	S	S
13.0606721	Birmingham	UK	3	ERR2512854	S	S	S	S	S	S	S	U	S
15.0613404	Birmingham	UK	4 (LAM)	SAMN07660141	R	S	S	S	R	S	S	S	S
16.0609787	Birmingham	UK	4	ERR2512855	S	S	S	S	S	S	S	U	S
15.0611236	Birmingham	UK	3	SAMN07660137	S	S	S	S	S	S	S	S	S
14.0600488	Birmingham	UK	3	ERR2512856	S	S	S	S	S	S	S	S	S
12.0617718	Birmingham	UK	3	ERR2512857	S	S	S	S	S	S	S	S	S
16.0601369	Birmingham	UK	M. bovis	SAMN07660133	S	S	S	R	S	S	S	R	S
16.0602934	Birmingham	UK	4 (Haarlem)	ERR2512858	S	S	S	S	S	S	S	S	S
15.0613244	Birmingham	UK	1	SAMN07660131	S	S	S	S	F	S	F	S	S
14.0609392	Birmingham	UK	M. orygis	ERR2512859	S	S	S	S	S	S	S	U	S
14.0609659	Birmingham	UK	3	ERR2512860	S	S	S	S	S	S	S	S	S
13.0610904	Birmingham	UK	4	ERR2512861	S	S	S	S	S	S	S	S	S
15.0601435	Birmingham	UK	4	ERR2512862	S	S	S	S	S	S	S	S	S
16.0618093	Birmingham	UK	4 (Haarlem)	ERR2512864	S	S	S	S	S	S	S	S	S
13.0615441	Birmingham	UK	4 (Cameroon)	ERR2512865	S	S	S	S	S	S	S	S	S
15.0601290	Birmingham	UK	4 (Haarlem)	ERR2512866	S	S	S	S	S	S	S	S	S
15.0601635	Birmingham	UK	4 (Haarlem)	ERR2512867	S	S	S	S	S	S	S	U	S
13.0605096	Birmingham	UK	3	ERR2512868	R	S	S	S	R	S	S	S	S
13.0607130	Birmingham	UK	4	ERR2512869	S	S	S	S	S	S	S	S	S
15.0601991	Birmingham	UK	3	SAMN07660123	S	S	S	S	S	S	S	S	S
14.0609249	Birmingham	UK	4 (Haarlem)	ERR2512870	R	S	S	S	R	S	S	S	S
16.0607015	Birmingham	UK	4 (LAM)	ERR2512871	S	S	S	S	S	S	S	S	S
15.0609021	Birmingham	UK	4 (Haarlem)	SAMN07660120	S	S	S	S	S	S	S	S	S
16.0601689	Birmingham	UK	4 (Ural)	ERR2512872	S	S	S	S	S	S	S	S	S
14.0609179	Birmingham	UK	3	ERR2512873	S	S	S	S	S	S	S	S	S
13.0611887	Birmingham	UK	4 (Haarlem)	ERR2512874	S	S	S	S	S	S	S	S	S
15.0601031	Birmingham	UK	3	ERR2512875	S	S	S	S	S	S	S	S	S
12.0927476	Birmingham	UK	3	ERR2512876	n/a	n/a	n/a	S	R	S	S	S	S
16.0601900	Birmingham	UK	3	ERR2512877	S	S	S	S	S	S	S	S	S
12.0613180	Birmingham	UK	1	ERR2512396	S	S	S	S	S	S	S	U	S
12.0616628	Birmingham	UK	2	ERR2512879	S	S	S	S	S	S	S	S	S
16.0618015	Birmingham	UK	4	ERR2512880	S	S	S	S	S	S	S	S	S
15.0612580	Birmingham	UK	3	SAMN07660116	S	S	S	S	S	S	S	U	S
15.0605231	Birmingham	UK	M. bovis	SAMN07660115	R	n/a	n/a	R	S	S	U	R	S
13.0604061	Birmingham	UK	3	ERR2512881	S	S	S	S	S	S	S	S	S
15.0607729	Birmingham	UK	2	ERR2512882	R	R	R	R	R	R	R	R	R
16.0618613	Birmingham	UK	4	ERR2512883	n/a	n/a	n/a	S	S	S	U	S	S
14.0609823	Birmingham	UK	4 (Cameroon)	ERR2512884	S	S	S	S	S	S	S	S	S
13.0613584	Birmingham	UK	4 (X-type)	ERR2512885	S	S	S	S	S	S	S	S	S
13.0606631	Birmingham	UK	4 (Haarlem)	ERR2512886	S	S	S	S	S	S	S	S	S
15.0607991	Birmingham	UK	4 (X-type)	SAMN07660114	S	S	S	S	S	S	S	S	S
13.0615550	Birmingham	UK	3	ERR2512887	S	S	S	S	S	S	S	S	S
14.0609900	Birmingham	UK	4	ERR2513712	S	S	S	S	S	S	S	S	S
16.0601458	Birmingham	UK	4 (Haarlem)	SAMN07660112	S	S	S	S	S	S	U	S	S
15.0607042	Birmingham	UK	4	ERR2512887	S	S	S	S	n/a	S	S	S	S
12.0617759	Birmingham	UK	3	ERR2512889	S	S	S	S	S	S	S	U	S
15.0601185	Birmingham	UK	4 (LAM)	ERR2512890	S	S	S	S	S	S	S	S	S
12.0612685	Birmingham	UK	4	ERR2512891	S	S	S	S	S	S	S	S	S
16.0618435	Birmingham	UK	4 (Haarlem)	ERR2512892	S	S	S	S	S	S	S	S	S
14.0600394	Birmingham	UK	4 (Tur)	ERR2512893	S	S	S	S	S	S	S	S	S
14.0600302	Birmingham	UK	4 (LAM)	ERR2512894	S	S	S	S	S	S	S	S	S
13.0613508	Birmingham	UK	4 (Tur)	ERR2512895	S	S	S	S	S	S	S	S	S
13.0609805	Birmingham	UK	4 (LAM)	ERR2512896	S	S	S	S	S	S	S	S	S
16.0601883	Birmingham	UK	3	ERR2512897	S	S	S	S	S	S	S	S	S
14.0609567	Birmingham	UK	4 (Haarlem)	ERR2512898	S	S	S	S	S	S	S	S	S
14.06000726	Birmingham	UK	3	ERR2512899	S	S	S	S	S	S	S	S	S
15.0607229	Birmingham	UK	3	SAMN07660108	S	S	S	S	S	S	S	S	S
16.0617175	Birmingham	UK	4 (LAM)	ERR2512900	S	S	S	S	S	S	S	S	S
12.0614547	Birmingham	UK	4	ERR2512901	S	S	S	S	S	S	S	S	S
13.0607683	Birmingham	UK	4	ERR2512902	S	S	S	S	S	S	S	S	S
15.0608401	Birmingham	UK	4	SAMN07660104	S	S	S	S	S	S	S	S	S
15.0607025	Birmingham	UK	1	SAMN07660103	S	S	S	S	S	S	S	S	S

12.0615704	Birmingham	UK	4	ERR2512910	S	S	S	S	F	S	S	S
15.0605833	Birmingham	UK	3	SAMN07660096	S	S	S	S	S	S	S	S
16.0617279	Birmingham	UK	4 (Haarlem)	ERR2512911	S	S	S	S	S	S	S	S
16.0607203	Birmingham	UK	4 (Cameroon)	ERR2512912	S	S	S	S	S	S	S	S
13.0607135	Birmingham	UK	4 (Tur)	ERR2512913	S	S	S	S	S	S	S	S
14.0609965	Birmingham	UK	2	ERR2512914	S	S	S	S	S	S	S	S
13.0612981	Birmingham	UK	1	ERR2512915	S	S	S	S	S	S	U	S
13.0611027	Birmingham	UK	3	ERR2512916	S	S	S	S	S	S	S	S
15.0613219	Birmingham	UK	3	SAMN07660086	S	S	S	S	S	U	S	S
12.0614218	Birmingham	UK	4 (LAM)	ERR2512917	S	S	S	S	S	S	S	S
13.0609011	Birmingham	UK	3	ERR2512918	S	S	S	S	S	S	S	S
14.0600891	Birmingham	UK	3	ERR2512919	S	S	S	S	S	S	S	S
12.0612850	Birmingham	UK	4 (Haarlem)	ERR2512920	S	S	S	S	S	S	S	S
16.0604876	Birmingham	UK	M. bovis	ERR2512921	S	S	S	S	S	S	S	R
15.0613443	Birmingham	UK	3	SAMN07660085	S	S	S	S	S	U	S	S
16.0607795	Birmingham	UK	4 (Haarlem)	ERR2512922	S	S	S	S	S	S	S	S
16.0606663	Birmingham	UK	3	ERR2512923	S	S	S	n/a	S	S	S	S
14.0611503	Birmingham	UK	4 (Haarlem)	ERR2512924	S	S	S	S	S	S	U	S
12.0605836	Birmingham	UK	3	ERR2512925	S	S	S	S	S	S	S	S
10.0604880	Birmingham	UK	1	ERR2512926	n/a	n/a	n/a	S	U	S	S	S
15.0601847	Birmingham	UK	4 (S-type)	SAMN07660082	S	S	S	S	S	S	S	S
16.0601398	Birmingham	UK	3	SAMN07660080	S	S	S	S	S	S	S	S
15.0607391	Birmingham	UK	4 (Haarlem)	ERR2512927	S	S	S	S	S	S	S	S
13.0609905	Birmingham	UK	3	ERR2512927	S	S	S	S	S	S	S	S
12.0615281	Birmingham	UK	3	ERR2512928	S	S	S	S	S	S	S	S
15.0613151	Birmingham	UK	3	SAMN07660077	S	S	S	S	F	F	F	S
16.0601239	Birmingham	UK	3	ERR2512929	S	S	S	S	S	S	S	S
15.0607063	Birmingham	UK	3	SAMN07660074	S	S	S	S	S	S	S	S
14.0601755	Birmingham	UK	2	ERR2512930	R	R	S	S	R	R	S	F
15.0603336	Birmingham	UK	M. bovis	ERR2512931	S	S	S	R	S	S	U	R
14.0600998	Birmingham	UK	3	ERR2512932	S	S	S	S	S	S	S	S
16.0601241	Birmingham	UK	1	SAMN07660073	S	S	S	n/a	S	S	U	S
12.0616138	Birmingham	UK	4	ERR2512933	S	S	S	S	S	S	U	S
16.0608062	Birmingham	UK	3	ERR2512934	S	S	S	S	S	S	S	S
09.0601060	Birmingham	UK	1	ERR2512935	S	S	S	S	S	S	S	S
15.0607432	Birmingham	UK	4	SAMN07660070	S	S	S	S	S	S	S	S
15.0601927	Birmingham	UK	4 (Haarlem)	ERR2512936	S	S	S	S	S	S	S	S
16.0601035	Birmingham	UK	3	SAMN07660068	S	S	S	n/a	S	S	S	R
16.0618488	Birmingham	UK	2	ERR2512936	R	R	R	S	R	R	R	S
15.0613062	Birmingham	UK	1	SAMN07660067	S	S	S	S	S	S	S	S
16.0600875	Birmingham	UK	3	SAMN07660063	S	S	S	S	S	S	S	S
16.0607550	Birmingham	UK	1	ERR2512937	S	S	S	S	S	S	S	S
13.0606482	Birmingham	UK	3	ERR2512938	S	S	S	S	F	F	S	S
14.0600780	Birmingham	UK	2	ERR2512939	S	S	S	S	F	F	S	S
13.0600595	Birmingham	UK	4 (LAM)	ERR2512940	S	S	S	S	S	S	S	S
17.0601259	Birmingham	UK	1	ERR2512941	S	S	S	n/a	S	F	S	S
14.0605843	Birmingham	UK	M. orygis	ERR2512942	S	S	S	S	S	S	U	S
16.0618536	Birmingham	UK	3	ERR2512943	S	S	S	S	S	S	S	S
14.0609421	Birmingham	UK	1	ERR2512944	S	S	S	S	S	S	S	S
15.0607437	Birmingham	UK	3	SAMN07660057	S	S	S	S	S	S	S	S
13.0614172	Birmingham	UK	4 (Haarlem)	ERR2512945	S	S	S	S	S	S	S	S
13.0607527	Birmingham	UK	3	ERR2512946	S	S	S	S	S	S	S	S
16.0617043	Birmingham	UK	4 (X-type)	ERR2512947	S	S	S	S	S	S	S	S
16.0607506	Birmingham	UK	3	ERR2512948	S	S	S	S	S	S	S	S
15.0607343	Birmingham	UK	1	SAMN07660056	S	S	S	n/a	S	S	S	S
15.0605568	Birmingham	UK	3	SAMN07660055	S	S	S	S	S	S	S	S
15.0600135	Birmingham	UK	3	ERR2512949	S	S	S	S	S	S	S	S
13.0601240	Birmingham	UK	4 (X-type)	ERR25129412	S	S	S	S	S	S	S	S
13.0606209	Birmingham	UK	3	ERR2512951	S	S	S	S	S	U	S	S
14.0600326	Birmingham	UK	4 (S-type)	ERR2512952	S	S	S	S	S	S	S	S
13.0613413	Birmingham	UK	3	ERR2512953	S	S	S	S	S	S	S	S
16.0601754	Birmingham	UK	M. bovis	ERR2512954	S	S	S	R	S	U	R	S
16.0606189	Birmingham	UK	3	ERR2512955	S	S	S	S	S	S	S	S
14.0607127	Birmingham	UK	4	ERR2512956	S	S	S	R	S	U	R	S
09.0609880	Birmingham	UK	3	ERR2512957	S	S	S	S	S	U	S	S
15.0601389	Birmingham	UK	3	ERR2512958	S	S	S	S	S	S	S	S
15.0609332	Birmingham	UK	1	SAMN07660049	S	S	S	S	S	S	S	S
13.0600321	Birmingham	UK	1	ERR2512959	S	S	S	S	S	S	U	S
16.0617066	Birmingham	UK	4	ERR2512960	S	S	S	S	S	S	S	S
16.0607247	Birmingham	UK	4	ERR2512961	S	S	S	S	S	S	S	S
11.0604779	Birmingham	UK	M. bovis	ERR2512962	S	S	S	R	S	S	U	R
15.0605033	Birmingham	UK	4 (X-type)	SAMN07660044	S	S	S	S	S	S	S	S
13.0604533	Birmingham	UK	1	ERR2512963	S	S	S	S	S	S	S	S
15.0613287	Birmingham	UK	4	SAMN07660043	S	S	S	S	S	S	U	S
16.0601799	Birmingham	UK	4 (Haarlem)	ERR2512964	S	S	S	S	S	S	S	S
14.0614827	Birmingham	UK	4	ERR2512965	S	S	S	S	S	S	S	S
15.0613546	Birmingham	UK	3	SAMN07660040	S	S	S	n/a	S	S	S	S
13.0609919	Birmingham	UK	4 (X-type)	ERR2512966	S	S	S	S	S	S	S	S
16.0607711	Birmingham	UK	4 (Uganda)	ERR2512967	S	S	S	S	S	S	S	S
13.0605097	Birmingham	UK	3	ERR2512968	S	S	S	S	S	S	S	S
14.0602632	Birmingham	UK	1	ERR2512969	S	S	S	S	S	S	S	S
16.0618353	Birmingham	UK	4	ERR2512970	S	S	S	S	S	S	S	S
13.0606695	Birmingham	UK	4	ERR2512971	S	S	S	S	S	S	S	S
16.0607581	Birmingham	UK	1	ERR2512972	S	S	S	n/a	S	F	S	S
14.0609341	Birmingham	UK	3	ERR2512974	S	S	S	S	S	S	S	S
15.0607742	Birmingham	UK	4 (LAM)	ERR2512975	R	R	R	R	R	R	R	R
16.0607168	Birmingham	UK	3	ERR2512976	S	S	S	S	S	S	S	S
14.0600794	Birmingham	UK	4 (Cameroon)	ERR2512977	S	S	S	S	S	S	S	S
14.0609024	Birmingham	UK	3	ERR2512978	S	S	S	S	S	S	U	S
15.0614334	Birmingham	UK	4	SAMN07660031	S	S	S	S	S	S	S	S
12.0612563	Birmingham	UK	2	ERR2512979	R	R	R	R	R	R	R	R
12.0614972	Birmingham	UK	4 (X-type)	ERR2512980	S	S	S	S	S	S	S	S
13.0611011	Birmingham	UK	4	ERR2512981	S	S	S	S	S	S	S	S
14.0609107	Birmingham	UK	4 (Cameroon)	ERR2512982	S	S	S	S	S	S	S	S
14.0616102	Birmingham	UK	4	ERR2512983	S	S	S	S	S	S	S	S
15.0608983	Birmingham	UK	4 (LAM)	SAMN07660028	S	S	S	S	S	S	S	S
15.0613288	Birmingham	UK	M. orygis	SAMN07660026	S	S	S	S	S	S	S	S
12.0614235	Birmingham	UK	1	ERR2512985	S	S	S	S	S	S	S	S
12.0609921	Birmingham	UK	3	ERR2512986	S	S	S	S	S	F	S	S
16.0618345	Birmingham	UK	4	ERR2512987	S	S	S	S	S	U	S	S
12.0605242	Birmingham	UK	4	ERR2512988	S	S	S	S	S	S	S	S
15.0607419	Birmingham	UK	2	SAMN07660002	S	S	S	S	S	S	S	S
15.0610340	Birmingham	UK	1	SAMN07660020	S	S	S	S	F	F	F	S
14.0600643	Birmingham	UK	4 (LAM)	ERR2512989	S	S	S	S	S	S	S	S
16.0601632	Birmingham	UK	3	ERR2512990	S	S	S	S	S	S	S	S
16.0603586	Birmingham	UK	1	ERR2512991	S	S	S	S	S	S	S	S
13.0607995	Birmingham	UK	1	ERR2512992	S	S	S	S	S	S	S	S
15.0601848	Birmingham	UK	3	SAMN07660017	S	S	S	S	S	S	S	S
14.0614925	Birmingham	UK	3	ERR2512993	R	S	S	S	R	S	U	S
16.0609912	Birmingham	UK	3	ERR2512994	S	S	S	S	S	S	S	S
13.0611915	Birmingham	UK	3	ERR2512995	S	S	S	n/a	S	S	S	S
14.0600424	Birmingham	UK	4 (LAM)	ERR2512996	S	S	S	S	S	S	S	S
13.0608412	Birmingham	UK	2	ERR2512997	S	S	S	S	S	S	S	S
16.0601435	Birmingham	UK	4	SAMN07660015	S	S	S	S	S	S	S	S
13.0611680	Birmingham	UK	1	ERR2512998	S	S	S	S	F	S	S	S
15.0613100	Birmingham	UK	3	SAMN07660014	S	S	S	S	S	S	S	S
13.0607675	Birmingham	UK	4 (Haarlem)	ERR2512999	S	S	S	S	S	S	S	S
14.0609715	Birmingham	UK	4 (Haarlem)	ERR2513000	R	S	R	S	R	S	R	S
16.0601602	Birmingham	UK	4	ERR2513001	S	S</						

12.0616367	Birmingham	UK	3	ERR2513097	S	S	S	S	S	S	S	S	S	S
16.0617475	Birmingham	UK	4 (X-type)	ERR2513098	S	S	S	S	S	S	S	S	S	S
13.0611246	Birmingham	UK	3	ERR2513099	R	S	S	S	S	R	S	S	S	S
14.0601099	Birmingham	UK	2	ERR2513100	S	S	S	S	S	S	U	S	S	S
16.0618377	Birmingham	UK	3	ERR2513101	S	S	S	S	S	F	S	F	S	S
12.0612882	Birmingham	UK	4 (LAM)	ERR2513102	S	S	S	S	S	S	S	S	S	S
13.0608593	Birmingham	UK	4 (X-type)	ERR2513103	S	S	S	S	S	S	S	S	S	S
14.0610966	Birmingham	UK		ERR2513104	R	R	S	n/a	R	R	S	S	S	S
15.0607195	Birmingham	UK	4 (S-type)	SAMN07659937	S	S	S	S	S	S	S	S	S	S
13.0613072	Birmingham	UK	4 (X-type)	ERR2513105	S	S	S	S	S	S	S	S	S	S
15.0607584	Birmingham	UK	4	SAMN07659933	R	S	S	S	R	S	S	S	S	S
16.0601610	Birmingham	UK		ERR2513106	S	S	S	S	S	S	S	U	S	S
16.0614730	Birmingham	UK	4 (Tur)	ERR2513107	S	S	S	S	S	S	S	S	S	S
15.0601396	Birmingham	UK	4 (S-type)	ERR2513108	S	S	S	S	S	S	S	S	S	S
16.0618456	Birmingham	UK	3	ERR2513109	S	S	S	S	S	S	F	S	S	S
14.0600201	Birmingham	UK	3	ERR2513110	S	S	S	S	S	S	S	S	S	S
13.0608441	Birmingham	UK	4 (Haarlem)	ERR2513111	S	S	S	S	S	S	S	S	S	S
15.0613509	Birmingham	UK	4 (Cameroon)	SAMN07659930	S	S	S	S	S	S	S	S	S	S
12.0927853	Birmingham	UK	3	ERR2513112	S	S	S	S	S	S	S	S	S	S
11.0600317	Birmingham	UK	1	ERR2513113	R	S	S	S	R	S	S	S	S	S
15.0607944	Birmingham	UK	3	SAMN07659929	S	S	S	S	S	S	S	S	F	S
13.0614070	Birmingham	UK	4	ERR2513114	S	S	S	S	S	S	S	S	S	S
13.0609444	Birmingham	UK	4 (LAM)	ERR2513115	S	S	S	S	S	S	S	S	S	S
14.0609585	Birmingham	UK	2	ERR2513116	S	S	S	S	S	S	S	S	S	S
16.0618457	Birmingham	UK	3	ERR2513117	S	S	S	S	S	S	S	U	S	S
14.0600405	Birmingham	UK	3	ERR2513118	S	S	S	S	S	S	S	S	S	S
13.0613315	Birmingham	UK	3	ERR2513119	S	S	S	S	S	S	S	U	S	S
13.0603562	Birmingham	UK	2	ERR2513120	S	S	S	S	S	S	S	S	S	S
16.0601829	Birmingham	UK	3	ERR2513121	S	S	S	S	F	U	F	S	S	
13.0613248	Birmingham	UK	1	ERR2513122	R	S	S	S	R	S	S	S	S	S
13.0617351	Birmingham	UK	4 (Cameroon)	ERR2513123	S	S	S	S	S	S	S	U	S	S
17.0601074	Birmingham	UK	1	ERR2513124	S	S	S	S	S	S	S	U	S	S
16.0607541	Birmingham	UK	2	ERR2513125	S	S	S	S	S	S	S	S	S	S
15.0606851	Birmingham	UK	4 (LAM)	ERR2513126	R	R	S	R	R	R	R	R	R	R
14.0600335	Birmingham	UK	3	ERR2513127	S	S	S	S	S	S	S	S	S	S
14.0600293	Birmingham	UK	4 (X-type)	ERR2513128	S	S	S	S	S	S	S	S	S	S
13.0615771	Birmingham	UK	3	ERR2513129	S	S	S	S	S	R	S	S	S	S
16.0607628	Birmingham	UK	2	ERR2513130	S	S	S	S	S	S	S	S	S	S
14.0600765	Birmingham	UK	1	ERR2513131	S	S	S	S	S	S	S	S	R	S
15.0607485	Birmingham	UK	4 (Haarlem)	SAMN07659917	S	S	S	S	S	S	S	S	S	S
13.0612965	Birmingham	UK	3	ERR2513132	S	S	S	S	S	S	S	S	S	S
15.0607870	Birmingham	UK	3	ERR2513133	S	S	S	S	S	S	S	S	S	S
13.0613128	Birmingham	UK	1	ERR2513134	S	S	S	S	S	S	S	S	R	S
11.0606544	Birmingham	UK	3	ERR2513135	S	S	S	S	S	S	S	U	S	S
14.0600886	Birmingham	UK	3	ERR2513136	S	S	S	S	S	S	S	S	S	S
16.0604402	Birmingham	UK	3	ERR2513137	S	S	S	S	S	S	S	F	S	S
15.0603499	Birmingham	UK	M. bovis	ERR2513138	S	S	S	S	R	S	S	S	R	S
13.0613608	Birmingham	UK	4	ERR2513139	S	S	S	S	S	S	S	S	S	S
16.0618309	Birmingham	UK	4 (LAM)	ERR2513140	S	S	S	S	S	S	S	S	S	S
14.0600095	Birmingham	UK	3	ERR2513141	S	S	S	S	S	S	S	S	S	S
14.0600131	Birmingham	UK	4 (Cameroon)	ERR2513142	S	S	S	S	S	U	S	S	S	S
15.0612665	Birmingham	UK	3	SAMN07659912	S	S	S	S	S	S	S	S	S	S
14.0613807	Birmingham	UK	3	ERR2513143	S	S	S	S	S	S	S	S	S	S
16.0618134	Birmingham	UK	1	ERR2513144	S	S	S	S	S	S	S	S	S	S
15.0607688	Birmingham	UK	3	SAMN07659910	S	S	S	S	S	S	S	S	S	S
14.0608882	Birmingham	UK		ERR2513145	R	S	S	S	R	S	S	S	S	S
16.0601781	Birmingham	UK	4	ERR2513146	S	S	S	S	S	U	S	S	S	S
14.0600584	Birmingham	UK	3	ERR2513147	S	S	S	S	S	S	S	S	S	S
14.0609336	Birmingham	UK	4 (LAM)	ERR2513148	S	S	S	S	S	S	S	S	S	S
16.0617289	Birmingham	UK	2	ERR2513149	S	S	S	S	S	S	S	S	S	S
14.0600085	Birmingham	UK	4	ERR2513150	S	S	S	S	S	S	S	S	S	S
15.0607720	Birmingham	UK	1	SAMN07659905	S	S	S	S	S	S	S	U	S	S
13.0601982	Birmingham	UK	4 (LAM)	ERR2513151	S	S	S	S	S	S	S	S	S	S
16.0601425	Birmingham	UK	4 (Tur)	SAMN07659904	R	R	S	R	R	R	S	S	S	S
15.0601414	Birmingham	UK		ERR2513152	S	S	S	S	S	S	S	S	S	S
13.0601208	Birmingham	UK	4 (Ural)	ERR2513153	R	S	S	S	R	S	S	S	S	S
09.0606195	Birmingham	UK	2	ERR2513154	S	S	S	S	S	S	S	S	S	S
16.0603595	Birmingham	UK	4	ERR2513155	S	S	S	S	S	S	S	S	S	S
13.0611350	Birmingham	UK	3	ERR2513159	S	S	S	S	S	S	S	S	S	S
13.0608436	Birmingham	UK	2	ERR2513157	S	S	S	S	S	S	S	S	S	S
12.0614208	Birmingham	UK	1	ERR2513158	S	S	S	S	S	S	S	S	S	S
16.0617164	Birmingham	UK	3	ERR2513159	S	S	S	S	S	S	S	U	S	S
16.0617708	Birmingham	UK	3	ERR2513160	R	S	n/a	n/a	R	R	R	R	R	S
12.0611202	Birmingham	UK	2	ERR2513161	S	S	S	S	S	S	S	S	S	S
14.0600006	Birmingham	UK	4 (LAM)	ERR2513162	S	S	S	S	S	S	S	S	S	S
14.0615554	Birmingham	UK	3	ERR2513163	S	S	S	S	n/a	S	S	S	S	S
11.0605136	Birmingham	UK	3	ERR2513164	S	S	S	S	S	S	S	S	S	S
16.0618378	Birmingham	UK	2	ERR2513165	R	R	S	R	R	R	R	R	R	S
12.0616387	Birmingham	UK	4 (X-type)	ERR2513166	S	S	S	S	F	U	S	S	S	S
14.0609724	Birmingham	UK	4	ERR2513167	S	S	S	S	S	S	S	S	S	S
16.0617972	Birmingham	UK	4 (Ural)	ERR2513168	S	S	S	S	S	S	S	S	S	S
15.0601022	Birmingham	UK	3	ERR2513169	S	S	S	S	S	S	S	S	S	S
14.0609784	Birmingham	UK	4 (LAM)	ERR2513170	S	S	S	S	S	S	S	S	S	S
14.0609214	Birmingham	UK	3	ERR2513171	S	S	S	S	S	S	S	S	S	S
16.0601633	Birmingham	UK	3	ERR2513172	S	S	S	S	S	S	S	S	S	S
13.0602580	Birmingham	UK	4 (Haarlem)	ERR2513173	S	S	S	S	F	S	S	S	S	S
13.0613581	Birmingham	UK	2	ERR2513174	S	S	S	S	S	S	S	U	S	S
15.0606076	Birmingham	UK	4	SAMN07659891	S	S	S	S	S	S	S	S	S	S
13.0603691	Birmingham	UK	4	ERR2513175	S	S	S	S	S	S	S	S	S	S
14.0609684	Birmingham	UK	1	ERR2513176	S	S	S	S	S	S	S	U	S	S
16.0610284	Birmingham	UK	4 (LAM)	ERR2513177	S	S	S	S	S	S	S	S	S	S
13.0613327	Birmingham	UK	1	ERR2513178	S	S	S	S	S	U	S	S	S	S
15.0607128	Birmingham	UK	3	SAMN07659885	R	R	S	R	R	R	R	R	R	R
16.0618491	Birmingham	UK	4 (Cameroon)	ERR2513179	n/a	n/a	n/a	n/a	S	S	S	S	S	S
15.0600191	Birmingham	UK	3	ERR2513180	S	S	S	S	S	S	S	S	S	S
16.0618087	Birmingham	UK	4	ERR2513181	S	S	S	S	S	n/a	S	S	S	S
14.0609977	Birmingham	UK	3	ERR2513182	S	S	S	S	S	S	S	S	S	S
16.0601728	Birmingham	UK	3	ERR2513183	S	S	S	S	S	S	S	S	S	S
14.0609611	Birmingham	UK	2	ERR2513184	S	S	S	S	S	S	S	U	S	S
14.0607443	Birmingham	UK	4 (X-type)	ERR2513185	S	S	S	S	S	S	S	S	S	S
12.0607473	Birmingham	UK	4 (Haarlem)	ERR2513186	S	S	S	S	S	S	S	U	S	S
15.0613340	Birmingham	UK	4	SAMN07659882	S	S	S	S	S	S	S	S	S	S
16.0617269	Birmingham	UK	4 (Haarlem)	ERR2513187	S	S	S	S	S	S	S	S	S	S
14.0600975	Birmingham	UK	4	ERR2513188	S	S	S	S	S	S	S	S	S	S
13.0601235	Birmingham	UK	2	ERR2513189	S	S	S	S	S	S	S	S	S	S
13.0609497	Birmingham	UK	3	ERR2513190	S	S	S	S	S	S	S	S	S	S
14.0600558	Birmingham	UK	3	ERR2513191	S	S	S	S	S	S	S	S	S	S
15.0607065	Birmingham	UK												

16.0617065	Birmingham	UK	1	ERR2513204	S	S	S	S	S	S	S	S
14.0600525	Birmingham	UK	4 (Cameroon)	ERR2513205	S	S	S	S	S	S	S	S
12.0602488	Birmingham	UK	3	ERR2513206	S	S	S	S	S	S	S	S
14.0600648	Birmingham	UK	3	ERR2513207	S	S	S	S	S	S	S	U
13.0608402	Birmingham	UK	3	ERR2513208	S	S	S	S	S	S	S	S
15.0607697	Birmingham	UK	4 (Haarlem)	SAMN07659860	S	S	S	S	S	S	S	S
13.0604510	Birmingham	UK	4	ERR2512480	S	S	S	S	S	S	S	S
16.0610249	Birmingham	UK	4	ERR2513210	S	S	S	S	S	S	S	S
12.0617795	Birmingham	UK	4	ERR2513211	S	S	S	S	S	S	S	S
12.0611895	Birmingham	UK	3	ERR2513212	S	S	S	S	S	S	S	S
15.0607777	Birmingham	UK	3	SAMN07659859	S	S	S	n/a	S	S	S	R
15.0613131	Birmingham	UK	6	SAMN07659858	n/a	n/a	n/a	S	S	F	U	S
13.0604881	Birmingham	UK	4 (X-type)	ERR2513213	S	S	S	S	S	S	S	S
12.0613618	Birmingham	UK	4 (LAM)	ERR2513214	S	S	S	S	S	S	S	S
13.0610340	Birmingham	UK	4 (Ural)	ERR2512878	R	R	S	R	R	R	R	R
14.0613032	Birmingham	UK	3	ERR2513216	S	S	S	S	S	S	S	S
14.0603310	Birmingham	UK	2	SAMN05276378	R	R	S	S	R	R	S	F
16.0618304	Birmingham	UK	4	ERR2513217	S	S	S	S	F	S	S	F
14.0600487	Birmingham	UK	2	ERR2513218	R	S	S	S	R	S	S	S
13.0613246	Birmingham	UK	3	ERR2513219	R	S	S	S	R	S	S	S
13.0603119	Birmingham	UK	4	ERR2513220	S	S	S	S	S	S	S	S
15.0607738	Birmingham	UK	4	ERR2513221	R	R	S	R	R	R	R	R
13.0612469	Birmingham	UK	1	ERR2513222	S	S	S	S	S	S	S	S
16.0610525	Birmingham	UK	4 (Haarlem)	ERR2513223	S	S	S	S	S	S	S	S
13.0605676	Birmingham	UK	3	ERR2513224	R	S	S	S	R	S	S	S
13.0604904	Birmingham	UK	1	ERR2513225	S	S	S	S	U	S	S	S
15.0607202	Birmingham	UK	1	SAMN07659851	S	S	S	S	S	S	S	S
13.0613129	Birmingham	UK	3	ERR2513227	S	S	S	S	S	S	S	S
09.0601854	Birmingham	UK	4 (LAM)	ERR2513228	S	S	S	S	S	S	S	S
16.0607678	Birmingham	UK	4	ERR2513229	R	R	R	n/a	R	F	R	F
13.0600560	Birmingham	UK	2	ERR2512409	S	S	S	S	S	S	S	S
16.0618443	Birmingham	UK	4 (LAM)	ERR2513231	S	S	S	S	S	S	S	S
12.0613640	Birmingham	UK	4 (Cameroon)	ERR2513232	R	S	S	S	R	S	S	S
16.0610390	Birmingham	UK	3	ERR2513233	S	S	S	S	S	S	S	S
13.0601572	Birmingham	UK	3	ERR2513234	S	S	S	S	S	S	S	S
13.0610753	Birmingham	UK	1	ERR2513235	S	S	S	S	S	S	S	S
13.0610487	Birmingham	UK	4	ERR2513236	S	S	S	S	S	S	S	S
16.0617134	Birmingham	UK	3	ERR2513237	S	S	S	S	S	S	S	S
14.0609177	Birmingham	UK	4 (LAM)	ERR2513238	S	S	S	S	S	S	S	S
13.0610505	Birmingham	UK	3	ERR2513239	S	S	S	S	S	S	S	S
16.0601832	Birmingham	UK	2	ERR2513240	R	R	R	S	R	R	R	R
13.0603114	Birmingham	UK	2	ERR2513241	R	R	S	R	R	R	R	R
15.0601637	Birmingham	UK	3	ERR2513242	S	S	S	S	S	S	S	S
15.0601497	Birmingham	UK	3	ERR2513243	S	S	S	S	S	S	S	S
14.0600065	Birmingham	UK	4	ERR2513244	S	S	S	S	S	S	S	S
15.0601709	Birmingham	UK	1	SAMN07659844	S	S	S	S	S	S	S	S
15.0601395	Birmingham	UK	3	ERR2513245	S	S	S	S	S	S	S	S
13.0613536	Birmingham	UK	4 (Haarlem)	ERR2513246	S	S	S	S	S	S	S	S
14.0607822	Birmingham	UK	4	ERR2513247	S	S	S	S	S	S	S	S
16.0607878	Birmingham	UK	3	ERR2513248	S	S	S	S	S	S	S	S
15.0601891	Birmingham	UK	3	SAMN07659838	S	S	S	S	S	S	S	S
15.0601660	Birmingham	UK	3	ERR2513975	S	S	S	S	S	S	S	S
14.0609767	Birmingham	UK	4	ERR2513250	S	S	S	S	S	S	S	S
15.0607990	Birmingham	UK	4 (LAM)	SAMN07659835	S	S	S	S	S	S	S	S
16.0613240	Birmingham	UK	3	ERR2513251	S	S	S	S	S	S	S	S
15.0613136	Birmingham	UK	4	SAMN07659834	S	S	S	S	S	S	S	S
13.0614444	Birmingham	UK	4 (Tur)	ERR2513252	S	S	S	S	S	S	S	S
14.0604921	Birmingham	UK	4 (X-type)	ERR2513253	S	S	S	S	S	S	S	S
15.0601684	Birmingham	UK	3	ERR2513254	S	S	S	S	S	S	S	S
16.0618470	Birmingham	UK	4 (Cameroon)	ERR2513255	S	S	S	S	U	S	S	S
16.0601201	Birmingham	UK	4 (Tur)	SAMN07659832	S	S	S	S	S	S	S	S
11.0606302	Birmingham	UK	2	ERR2513256	S	S	S	S	S	S	S	S
16.0607953	Birmingham	UK	4	ERR2513257	S	S	S	S	S	S	S	S
16.0612693	Birmingham	UK	3	ERR2513258	S	S	S	S	S	S	S	S
15.0609392	Birmingham	UK	1	SAMN07659829	S	S	S	S	S	S	S	S
13.0608466	Birmingham	UK	3	ERR2513259	S	S	S	S	U	S	S	U
10.0605284	Birmingham	UK	2	ERR2513260	S	S	S	S	S	S	S	S
15.0607787	Birmingham	UK	3	SAMN07659828	S	S	S	S	S	S	S	S
15.0607086	Birmingham	UK	4	SAMN07659826	n/a	S	S	S	R	S	S	S
14.0609503	Birmingham	UK	4 (X-type)	ERR2513261	S	S	S	S	S	S	S	S
16.0617460	Birmingham	UK	4 (Haarlem)	ERR2513262	S	S	S	n/a	S	S	S	S
13.0613215	Birmingham	UK	4 (Haarlem)	ERR2513263	S	S	S	S	S	S	S	S
16.0618555	Birmingham	UK	4 (LAM)	ERR2513264	S	S	S	S	S	S	S	S
13.0607381	Birmingham	UK	3	ERR2513265	S	S	S	S	S	S	S	S
15.0607180	Birmingham	UK	3	SAMN07659824	S	S	S	S	S	S	S	S
15.0607020	Birmingham	UK	4 (X-type)	SAMN07659823	S	S	S	S	S	S	S	S
14.0602107	Birmingham	UK	3	ERR2513266	S	S	S	S	S	S	S	S
13.0613392	Birmingham	UK	4	ERR2513267	R	S	S	S	R	S	S	S
13.0613485	Birmingham	UK	4 (X-type)	ERR2513268	S	S	S	S	S	S	S	S
15.0606354	Birmingham	UK	3	SAMN07659820	S	S	S	S	S	S	S	S
10.0612331	Birmingham	UK	3	ERR2513269	S	S	S	S	S	S	S	S
16.0601962	Birmingham	UK	4 (Haarlem)	ERR2513270	S	S	S	S	R	S	F	F
13.0607380	Birmingham	UK	4	ERR2512691	R	R	R	n/a	R	R	U	U
11.0600990	Birmingham	UK	4	ERR2513272	S	S	S	S	U	S	S	S
16.0605670	Birmingham	UK	4 (Haarlem)	ERR2513273	S	S	S	S	S	S	S	S
13.0602845	Birmingham	UK	4 (Cameron)	ERR2513274	S	S	S	S	S	S	S	S
16.0618605	Birmingham	UK	4 (LAM)	ERR2513275	S	S	S	S	S	S	S	S
13.0604532	Birmingham	UK	3	ERR2513276	S	S	S	S	S	S	S	S
13.0611318	Birmingham	UK	4	ERR2513277	S	S	S	S	S	S	S	S
13.0613052	Birmingham	UK	4	ERR2513278	S	S	S	S	S	S	S	S
15.0601748	Birmingham	UK	3	SAMN07659815	S	S	S	S	S	S	S	S
14.0600942	Birmingham	UK	4 (X-type)	ERR2513279	S	S	S	S	S	S	S	S
13.0610349	Birmingham	UK	4	ERR2513280	S	S	S	S	S	S	S	S
13.0613254	Birmingham	UK	4	ERR2513281	S	S	S	S	S	S	S	S
15.0601751	Birmingham	UK	2	SAMN07659809	S	S	S	S	S	S	S	S
13.0613278	Birmingham	UK	2	ERR2513282	S	S	S	S	S	S	S	S
15.0601906	Birmingham	UK	4	SAMN07659808	R	S	S	S	R	S	S	S
16.0601752	Birmingham	UK	4	ERR2513283	S	S	S	S	F	F	F	F
12.0615206	Birmingham	UK	1	ERR2513284	S	S	S	S	S	S	S	S
15.0607480	Birmingham	UK	4 (Haarlem)	SAMN07659805	S	S	S	S	F	S	S	F
14.0602480	Birmingham	UK	3	ERR2513285	S	S	S	S	S	S	S	S
15.0601742	Birmingham	UK	4	SAMN07659803	S	S	S	S	S	S	S	S
13.0610346	Birmingham	UK	3	ERR2513286	S	S	S	S	S	S	S	S
13.0609466	Birmingham	UK	1	ERR2513287	S	S	S	S	S	S	S	S
13.0604064	Birmingham	UK	4	ERR2513288	S	S	S	S	S	S	S	S
15.0605124	Birmingham	UK	1	SAMN07659798	R	n/a	S	R	R	U	S	S
14.0609182	Birmingham	UK	3	ERR2513289	S	S	S	S	S	S	S	S
13.0607137	Birmingham	UK	1	ERR2513290	S	S	S	S	F	S	S	S
16.0607813	Birmingham	UK	4	ERR2513291	S	S	S	S	S	S	S	S
14.0609876	Birmingham	UK	4 (LAM)	ERR2513292	S	S	S	S	S	S	S	S
15.0607173	Birmingham	UK	4	SAMN07659793	R	S	S	S	R	S	S	S
12.0601810	Birmingham	UK	1	ERR2513293	S	S	S	S	R	S	S	S
12.0616935	Birmingham	UK	4	ERR2513294	S	S	S	S	S	S	S	S
13.0617089	Birmingham	UK	2	ERR2513295	R	R	R	n/a	R	R	R	U
17.0601018	Birmingham	UK	4 (Haarlem)	ERR2513296	S	S	S	S	S	S	S	S
16.0601687	Birmingham	UK	3	ERR2513297	S	S	S	S	S	S	S	S
15.0608693	Birmingham	UK	4 (LAM)	SAMN07659790	S	S	S	S	S	S	S	S
15.0601317	Birmingham	UK	4	ERR2513298	S	S	S	S	F	F	F	S
14.0600904	Birmingham	UK	4	ERR2513299	S	S	S	S	S	S	S	S
14.0609462	Birmingham	UK	4	ERR2513300	S	S	S	S	S	S	S	S
12.0617275	Birmingham	UK	3	ERR2513301	S	S	S	S	S	S	S	S
16.0601953	Birmingham	UK	M. bovis	ERR2513302	S	S	S	R	S	S	S	R

14.0609776	Birmingham	UK	4	ERR2513303	S	S	S	S	S	U	S	S	S	
13.0604567	Birmingham	UK	1	ERR2513304	S	S	S	S	S	R	S	S	S	
15.0601961	Birmingham	UK	1	SAMN07659787	n/a	n/a	n/a	S	S	S	S	S	S	
14.0609640	Birmingham	UK	4 (Cameroon)	ERR2513638	S	S	S	S	S	S	U	S	S	
14.0609535	Birmingham	UK	4 (Haarlem)	ERR2513306	S	S	S	S	S	S	S	S	S	
14.0616219	Birmingham	UK	2	ERR2513307	S	S	S	S	S	S	S	U	S	
13.0610730	Birmingham	UK	3	ERR2513308	S	S	S	S	S	S	U	S	S	
14.0600785	Birmingham	UK	4 (Ural)	ERR2513309	S	S	S	S	S	S	S	S	S	
13.0601569	Birmingham	UK	3	ERR2513310	S	S	S	S	S	S	S	S	S	
15.0601160	Birmingham	UK	4	ERR2513311	S	S	S	S	S	S	S	S	S	
12.0617575	Birmingham	UK	3	ERR2513312	S	S	S	S	S	S	S	S	S	
15.0601366	Birmingham	UK	3	ERR2513313	S	S	S	S	S	S	S	S	S	
13.0601220	Birmingham	UK	4 (Haarlem)	ERR2512410	S	S	S	S	S	S	S	U	S	
16.0601062	Birmingham	UK	4 (Cameroon)	SAMN07659781	S	S	S	S	S	S	S	S	S	
13.0612972	Birmingham	UK	3	ERR2513315	S	S	S	S	S	S	U	S	S	
14.0613174	Birmingham	UK	3	ERR2513316	S	S	S	S	S	S	S	S	S	
16.0618455	Birmingham	UK	4	ERR2513317	S	S	S	S	S	S	U	S	S	
15.0606741	Birmingham	UK	3	SAMN07659775	S	S	S	S	S	S	F	S	S	
15.0607149	Birmingham	UK	3	SAMN07659772	S	S	S	S	S	S	F	S	S	
16.0601950	Birmingham	UK	4	ERR2513318	S	S	S	S	S	S	S	U	S	
14.0609143	Birmingham	UK	2	ERR2513319	S	S	S	S	S	S	S	S	S	
11.0607157	Birmingham	UK	4 (Uganda)	ERR2513320	S	S	S	S	S	S	S	S	S	
15.0607585	Birmingham	UK	2	SAMN07659771	S	R	S	S	S	R	S	S	S	
15.0607970	Birmingham	UK	3	SAMN07659770	S	S	S	S	S	S	S	S	S	
14.0600957	Birmingham	UK	3	ERR2513321	S	S	S	S	S	S	S	S	S	
15.0607425	Birmingham	UK	1	SAMN07659769	R	S	S	S	R	S	S	S	S	
14.0600764	Birmingham	UK	4 (x-type)	ERR2513322	S	S	S	S	S	S	S	S	S	
11.0615356	Birmingham	UK	3	ERR2513323	S	S	S	S	S	S	S	S	S	
15.0601319	Birmingham	UK	4	ERR2513324	S	S	S	S	S	S	S	S	S	
13.0602972	Birmingham	UK	3	ERR2513325	S	S	S	S	S	S	S	S	S	
12.0605695	Birmingham	UK	6	ERR2513326	S	S	S	S	S	U	U	U	S	
14.0600033	Birmingham	UK	3	ERR2513327	S	S	S	S	S	S	S	S	S	
16.0612916	Birmingham	UK	4 (Cameroon)	ERR2513328	S	S	S	S	S	S	S	S	S	
13.0604696	Birmingham	UK	3	ERR2513329	S	S	S	S	S	S	S	S	S	
14.0600490	Birmingham	UK	3	ERR2513330	S	S	S	S	S	S	S	S	S	
13.0601238	Birmingham	UK	3	ERR2513331	S	S	S	S	S	S	S	S	S	
16.0607686	Birmingham	UK	3	ERR2513332	n/a	S	S	S	S	S	S	S	S	
15.0605015	Birmingham	UK	2	SAMN07659761	S	S	S	S	S	S	S	S	S	
14.0600960	Birmingham	UK	3	ERR2513532	S	S	S	S	S	S	S	S	S	
15.0607455	Birmingham	UK	3	SAMN07659759	S	S	S	S	S	S	S	S	S	
16.0618040	Birmingham	UK	4 (Ural)	ERR2513334	S	S	S	S	S	S	S	S	S	
15.0600444	Birmingham	UK	4	ERR2513335	S	S	S	S	S	S	S	S	S	
13.0617132	Birmingham	UK	4 (Cameroon)	ERR2513336	S	S	S	S	S	S	S	S	S	
13.0608460	Birmingham	UK	4	ERR2512717	S	S	S	S	S	S	S	S	S	
16.0607365	Birmingham	UK	4	ERR2513338	S	S	S	S	S	S	U	S	S	
12.0610888	Birmingham	UK	1	ERR2513339	S	S	S	S	S	S	S	S	S	
11.0602455	Birmingham	UK	4	ERR2513340	S	S	S	S	S	S	S	S	S	
15.0607142	Birmingham	UK	3	SAMN07659756	S	S	S	S	S	S	U	S	S	
12.0608700	Birmingham	UK	4 (S-type)	ERR2513341	S	S	S	S	S	S	S	S	S	
15.0613438	Birmingham	UK	4	ERR2513342	S	S	S	S	S	S	S	S	S	
16.0607094	Birmingham	UK	4 (Haarlem)	ERR2513343	R	S	S	S	R	S	S	S	S	
11.0607052	Birmingham	UK	4 (Haarlem)	ERR2513344	S	S	S	S	S	S	S	S	S	
16.0604287	Birmingham	UK	4 (LAM)	ERR2513345	S	S	S	S	S	S	S	S	S	
13.0603078	Birmingham	UK	4	ERR2513346	S	S	S	S	S	S	S	S	S	
13.0601264	Birmingham	UK	3	ERR2513347	S	S	S	S	S	S	S	S	S	
16.0607435	Birmingham	UK	3	ERR2513348	S	S	S	S	S	F	F	F	F	
15.0601123	Birmingham	UK	4	ERR2513349	S	S	S	S	S	S	S	S	S	
12.0611838	Birmingham	UK	4 (Cameroon)	ERR2513350	S	S	S	S	S	S	S	S	S	
14.0600012	Birmingham	UK	4 (x-type)	ERR2513351	S	S	S	S	S	S	S	S	S	
10.0610060	Birmingham	UK	4 (S-type)	ERR2513352	R	R	R	R	R	R	R	R	R	
13.0609259	Birmingham	UK	3	ERR2513353	S	S	S	S	S	S	U	S	S	
16.0601691	Birmingham	UK	3	ERR2513354	S	S	S	S	F	S	S	S	S	
12.0614965	Birmingham	UK	4	ERR2513355	S	S	S	S	S	S	S	S	S	
16.0610120	Birmingham	UK	4	ERR2513356	S	S	S	S	S	S	S	S	S	
13.0616591	Birmingham	UK	3	ERR2513357	S	S	S	S	S	S	S	S	S	
12.0614862	Birmingham	UK	1	ERR2513358	S	S	S	S	R	S	S	S	S	
13.0608229	Birmingham	UK	1	ERR2513359	S	S	S	S	S	S	S	S	S	
15.0607878	Birmingham	UK	4 (LAM)	SAMN07659745	S	S	S	S	S	S	S	S	S	
15.0601300	Birmingham	UK	4 (Haarlem)	ERR2513460	S	S	S	S	S	S	S	S	S	
16.0618493	Birmingham	UK	3	ERR2513361	S	S	S	S	S	S	S	S	S	
13.0613286	Birmingham	UK	3	ERR2513362	S	S	S	S	S	S	S	S	S	
13.0602851	Birmingham	UK	4	ERR2513363	S	S	S	S	S	S	S	S	S	
16.0601286	Birmingham	UK	1	SAMN07659735	S	S	S	n/a	S	S	S	S	S	
15.0602702	Birmingham	UK	4 (Haarlem)	ERR2513364	S	S	S	S	S	S	S	S	S	
14.0609266	Birmingham	UK	4 (Haarlem)	ERR2513365	S	S	S	S	S	S	S	S	S	
15.0601932	Birmingham	UK	3	SAMN07659734	S	S	S	S	S	S	S	S	S	
14.0600498	Birmingham	UK	3	ERR2513366	S	S	S	S	S	S	S	S	S	
15.0607706	Birmingham	UK	4	SAMN07659732	S	S	S	S	S	S	S	S	S	
13.0605100	Birmingham	UK	3	ERR2512540	S	S	S	S	S	S	S	S	S	
12.0611851	Birmingham	UK	1	ERR2513368	S	S	S	S	S	S	S	S	S	
13.0601405	Birmingham	UK	3	ERR2513369	S	S	S	S	S	S	S	S	S	
12.0612895	Birmingham	UK	3	ERR2513370	S	S	S	S	S	S	S	S	S	
16.0601908	Birmingham	UK	4 (LAM)	ERR2513371	S	S	S	S	S	S	S	S	S	
13.0606320	Birmingham	UK	3	ERR2512620	S	S	S	S	S	S	S	S	S	
12.0604987	Birmingham	UK	3	ERR2513373	S	S	S	S	S	S	S	S	S	
12.0612947	Birmingham	UK	3	ERR2513374	S	S	S	S	S	S	S	S	S	
13.0611313	Birmingham	UK	3	ERR2513375	S	S	S	S	S	S	S	S	S	
13.0608428	Birmingham	UK	4	ERR2513376	S	S	S	S	S	S	S	S	S	
13.0600598	Birmingham	UK	1	ERR2513377	S	S	S	S	S	S	S	S	S	
14.0609884	Birmingham	UK	3	ERR2513378	S	S	S	S	S	S	S	S	S	
14.0610087	Birmingham	UK	1	n/a	n/a	n/a	S	S	S	S	S	S	S	S
13.0604511	Birmingham	UK	4	ERR2513380	S	S	S	S	S	S	S	S	S	
14.0600936	Birmingham	UK	4 (LAM)	ERR2513381	S	S	S	S	S	S	S	S	S	
16.0617099	Birmingham	UK	3	ERR2513383	S	S	S	S	S	S	S	S	S	
16.0607320	Birmingham	UK	4	ERR2513384	S	S	S	S	S	S	F	S	S	
14.0600878	Birmingham	UK	2	ERR2513385	S	S	S	S	S	S	U	S	S	
14.0600929	Birmingham	UK	1	ERR2513386	S	S	S	S	S	S	S	S	S	
14.0613230	Birmingham	UK	3	ERR2513832	S	S	S	S	S	S	S	S	S	
15.0615980	Birmingham	UK	3	SAMN0765972	S	S	S	S	S	F	S	S	S	
13.0613166	Birmingham	UK	2	ERR2513388	S	S	S	S	S	U	S	S	S	
14.0609779	Birmingham	UK	3	ERR2513389	S	S	S	S	S	S	S	S	S	
13.0600253	Birmingham	UK	4 (Haarlem)	ERR2513390	S	S	S	S	S	S	S	S	S	
14.0600478	Birmingham	UK	2	ERR2513391	S	S	S	S	S	S	S	S	S	
14.0616114	Birmingham	UK	4 (LAM)	ERR2513392	S	S	S	S	S	S	S	S	S	
14.0600198	Birmingham	UK	4 (Cameroon)	ERR2513393	S	S	S	S	S	S	S	S	S	
14.0616098	Birmingham	UK	3	ERR2513394	S	S	S	S	S	S	S	S	S	
15.0607364	Birmingham	UK	3	SAMN07659718	S	S	S	S	S	S	S	S	S	
15.0607080	Birmingham	UK	3	SAMN07659717	R	S	S	S	S	S	S	S	S	
13.0609008	Birmingham	UK	1	ERR2513395	S	S	S	S	S	S	S	S	S	
15.0601715	Birmingham	UK	4 (Haarlem)	SAMN07659715	S	S	S	S	S	S	S	U	S	
16.0618585	Birmingham	UK	4	ERR2513396	n/a	S	n/a	n/a	S	S	S	S	S	
16.0609811	Birmingham	UK	4	ERR2513397	S	S	S	S	S	U	S	S	S	
15.0607452	Birmingham	UK	3	SAMN07659714	S	S	S	S						

13.0613283	Birmingham	UK	2	ERR2513405	S	S	S	S	S	U	U	S	S
16.0601708	Birmingham	UK	3	ERR2513406	S	S	S	S	S	S	S	S	S
13.0613363	Birmingham	UK	4 (LAM)	ERR2513407	S	S	S	S	S	S	S	S	S
15.0607091	Birmingham	UK	4 (Haarlem)	SAMN07659706	S	S	S	S	S	S	S	S	S
15.0601039	Birmingham	UK	2	ERR2513408	R	R	R	R	R	R	R	R	R
12.0616150	Birmingham	UK	3	ERR2512405	S	S	S	S	S	S	S	S	S
15.0607977	Birmingham	UK	4	SAMN07659702	S	S	S	S	S	S	S	S	S
14.0600483	Birmingham	UK	3	ERR2513410	S	S	S	S	S	S	S	S	S
16.0601858	Birmingham	UK	4 (LAM)	ERR2513412	S	S	S	S	S	S	S	S	S
16.0601807	Birmingham	UK	3	ERR2513413	S	S	S	S	S	S	S	S	S
13.0610501	Birmingham	UK	3	ERR2513414	S	S	S	S	S	S	S	U	S
16.0607971	Birmingham	UK	4 (LAM)	ERR2513415	S	S	S	S	S	S	S	S	S
15.0601947	Birmingham	UK	2	SAMN07659695	R	S	S	S	R	S	S	S	S
16.0607623	Birmingham	UK	3	ERR2513416	S	S	S	S	S	S	S	S	S
15.0607361	Birmingham	UK	1	SAMN07659693	n/a	S	S	n/a	R	S	S	S	S
16.0609590	Birmingham	UK	4 (Ural)	ERR2513417	S	S	S	S	S	S	S	S	S
13.0612199	Birmingham	UK	3	ERR2513418	S	S	S	S	S	S	S	S	S
15.0603457	Birmingham	UK	4 (X-type)	ERR2513419	S	S	S	S	S	S	S	S	S
16.0618594	Birmingham	UK	1	ERR2513420	S	S	n/a	S	S	S	S	S	S
12.0610033	Birmingham	UK	4	ERR2513422	S	S	S	S	S	S	S	S	S
15.0607293	Birmingham	UK	4 (Cameroon)	SAMN07659691	S	S	S	S	S	S	U	S	S
15.0605004	Birmingham	UK	2	SAMN07659690	S	S	S	S	S	S	S	S	S
15.0601085	Birmingham	UK	3	ERR2513423	S	S	S	S	S	S	U	S	S
16.0601242	Birmingham	UK	1	SAMN07659689	S	S	S	S	S	S	S	S	S
13.0611286	Birmingham	UK	4 (LAM)	ERR2513424	S	S	S	S	S	S	S	S	S
14.0601078	Birmingham	UK	3	ERR2513425	S	S	S	S	S	S	S	S	S
15.0613003	Birmingham	UK	4 (Haarlem)	SAMN07659686	S	S	S	S	S	S	S	S	S
15.0601424	Birmingham	UK	4 (LAM)	ERR2513426	S	S	S	S	S	S	S	S	S
13.0608404	Birmingham	UK	2	ERR2513427	S	S	S	S	S	S	S	S	S
15.0601507	Birmingham	UK	M. bovis	ERR2513428	S	S	S	R	S	S	S	R	S
14.0600672	Birmingham	UK	1	ERR2513429	S	S	S	S	S	S	S	S	S
16.0601983	Birmingham	UK	4 (Haarlem)	ERR2513430	S	S	S	S	S	S	S	S	S
16.0609809	Birmingham	UK	4	ERR2513431	S	S	S	S	S	S	U	U	S
14.0601636	Birmingham	UK	1	SAMN05276400	S	S	S	S	S	S	S	S	S
13.0607686	Birmingham	UK	3	ERR2513432	S	S	S	S	S	S	U	S	S
15.0613464	Birmingham	UK	4	SAMN07659681	S	S	S	S	S	S	S	S	S
11.0612674	Birmingham	UK	M. bovis	ERR2513433	S	S	S	R	S	S	U	R	S
15.0601763	Birmingham	UK	4	SAMN07659680	S	S	S	S	S	S	U	S	S
16.0600783	Birmingham	UK	2	ERR2513434	S	S	S	S	S	S	S	S	S
12.0616403	Birmingham	UK	3	ERR2513435	S	S	S	S	S	S	S	S	S
16.0601848	Birmingham	UK	2	ERR2513436	R	R	R	n/a	R	R	R	R	R
12.0615274	Birmingham	UK	1	ERR2513437	S	S	S	S	S	S	U	S	S
15.0608004	Birmingham	UK	4 (X-type)	SAMN07659679	S	S	S	n/a	S	S	S	R	R
16.0609115	Birmingham	UK	4 (Haarlem)	ERR2513438	S	S	S	S	F	U	S	S	
15.0601214	Birmingham	UK	3	SAMN07659677	S	S	S	S	S	S	S	S	S
14.0600541	Birmingham	UK	3	ERR2513439	S	S	S	S	S	S	S	S	S
15.0601846	Birmingham	UK	1	SAMN07659676	S	S	S	S	S	S	S	S	S
16.0601846	Birmingham	UK	4 (X-type)	ERR2513440	S	S	S	S	S	S	S	S	S
15.0613408	Birmingham	UK	3	SAMN07659675	S	S	S	S	F	S	F	S	
13.0608231	Birmingham	UK	2	ERR2513441	R	R	R	S	R	R	R	R	R
13.0603885	Birmingham	UK	3	ERR2513442	S	S	S	S	S	S	S	S	S
16.0606170	Birmingham	UK	4 (LAM)	ERR2513443	S	S	S	S	S	F	S	S	S
13.0613359	Birmingham	UK	1	ERR2513444	S	S	S	S	S	S	S	S	S
13.0606487	Birmingham	UK	4	ERR2513445	S	S	S	S	S	S	S	S	S
14.0600959	Birmingham	UK	3	ERR2513446	S	S	S	S	S	S	S	S	S
16.0607966	Birmingham	UK	2	ERR2513447	S	S	S	S	S	S	S	S	S
16.0617111	Birmingham	UK	3	ERR2513448	S	S	S	S	S	S	S	S	S
14.0600512	Birmingham	UK	3	ERR2513449	S	S	S	S	S	S	S	S	S
15.0601496	Birmingham	UK	1	ERR2513450	S	S	S	S	S	F	S	S	S
16.0601346	Birmingham	UK	3	SAMN07659673	S	S	S	S	S	S	S	S	S
15.0601479	Birmingham	UK	4 (LAM)	ERR2513451	S	S	S	S	S	F	S	S	S
12.0611175	Birmingham	UK	4	ERR2513452	S	S	S	S	S	S	S	S	S
14.0604248	Birmingham	UK	3	ERR2513453	S	S	S	S	S	S	S	S	S
14.0609922	Birmingham	UK	4	ERR2513454	S	S	S	S	S	S	S	S	S
12.0614472	Birmingham	UK	3	ERR2513455	S	S	S	S	S	S	S	S	S
12.0617719	Birmingham	UK	4 (Cameroon)	ERR2513456	S	S	S	S	S	S	U	S	S
12.0610293	Birmingham	UK	4	ERR2513457	S	S	S	S	S	S	U	S	S
15.0610529	Birmingham	UK	1	SAMN07659670	S	S	S	S	S	S	S	S	S
14.0616050	Birmingham	UK	4 (Uganda)	ERR2513458	S	S	S	S	S	S	S	S	S
15.0601082	Birmingham	UK	1	ERR2513459	S	S	S	S	S	S	S	S	S
14.0600946	Birmingham	UK	2	ERR2513460	R	R	R	R	R	R	R	R	R
13.0601227	Birmingham	UK	3	ERR2513461	S	S	S	S	S	S	S	S	S
15.0601639	Birmingham	UK	3	ERR2513462	S	S	S	S	S	S	S	S	S
12.0605653	Birmingham	UK	1	ERR2513463	S	S	S	S	S	R	R	S	S
14.0600570	Birmingham	UK	1	ERR2513467	S	S	S	S	S	S	S	S	S
13.0607982	Birmingham	UK	4	ERR2513468	S	S	S	S	S	S	S	S	S
12.0612856	Birmingham	UK	3	ERR2513466	S	S	S	S	S	S	S	S	S
15.0607898	Birmingham	UK	4 (S-type)	SAMN07659661	S	S	S	S	S	U	S	S	S
16.0604675	Birmingham	UK	1	ERR2513467	S	S	S	S	S	S	S	F	S
15.0607266	Birmingham	UK	1	SAMN07659660	S	S	S	S	S	S	S	S	S
12.0614645	Birmingham	UK	3	ERR2513468	S	S	S	S	S	S	S	S	S
14.0600897	Birmingham	UK	3	ERR2513469	S	S	S	S	S	S	S	U	S
15.0613289	Birmingham	UK	4	ERR2513470	S	S	S	S	F	F	F	F	F
13.0609341	Birmingham	UK	2	ERR2513471	S	S	S	S	S	S	S	S	S
15.0607972	Birmingham	UK	4 (X-type)	SAMN07659656	S	S	S	S	S	S	S	S	S
16.0602006	Birmingham	UK	4 (X-type)	SAMN07659655	S	S	S	S	S	S	U	S	S
12.0927508	Birmingham	UK	3	ERR2513472	S	S	S	S	S	S	S	S	S
15.0613326	Birmingham	UK	3	SAMN07659654	S	S	S	S	F	S	S	S	S
17.0601042	Birmingham	UK	3	ERR2513473	S	S	S	S	S	S	S	S	S
13.0610650	Birmingham	UK	4 (Haarlem)	ERR2513474	S	S	S	S	S	S	S	U	S
15.0607489	Birmingham	UK	M. orygis	SAMN07659652	S	S	S	S	S	S	S	U	S
13.0613585	Birmingham	UK	3	ERR2513475	S	S	S	S	S	S	S	S	S
14.0609988	Birmingham	UK	4 (Haarlem)	ERR2513476	S	S	S	S	S	S	S	S	S
13.0613516	Birmingham	UK	4	ERR2513477	S	S	S	S	S	S	S	U	S
16.0607631	Birmingham	UK	4 (S-type)	ERR2513478	S	S	S	S	S	S	S	S	S
15.0611200	Birmingham	UK	3	SAMN07659650	R	R	S	S	R	R	R	S	S
12.0613012	Birmingham	UK	1	ERR2513479	S	S	S	S	S	S	S	S	S
14.0600128	Birmingham	UK	4 (Ural)	ERR2513480	S	S	S	S	S	S	S	S	S
14.0614275	Birmingham	UK	4 (LAM)	ERR2513481	S	S	S	S	S	S	S	S	S
13.0611326	Birmingham	UK	4	ERR2513482	S	S	S	S	S	S	S	S	S
16.0609437	Birmingham	UK	4 (Haarlem)	ERR2513483	S	S	S	S	S	S	S	S	S
13.0613281	Birmingham	UK	4 (S-type)	ERR2513484	S	S	S	S	S	S	U	S	S
15.0601925	Birmingham	UK	3	SAMN07659642	S	S	S	S	S	S	S	S	S
13.0607693	Birmingham	UK	3	ERR2513485	S	S	S	S	S	S	S	S	S
13.0606204	Birmingham	UK	4 (X-type)	ERR2513486	S	S	S	S	S	S	S	S	S
13.0602828	Birmingham	UK	1	ERR2513487	S	S	S	S	S	S	S	S	S
15.0601041	Birmingham	UK	4 (LAM)	ERR2513488	R	S	S	S	R	R	S	S	S
16.0601485	Birmingham	UK	4	SAMN07659634	S	S	S	S	S	S	S	S	S
15.0604486	Birmingham	UK	1	SAMN07659632	S	S	S	S	S	S	S	S	S
13.0606212	Birmingham	UK	4 (Haarlem)	ERR2513489	S	S	S	S	S	S	S	U	U
15.0601346	Birmingham	UK	3	ERR2513490	S	S	S	S	S	S	S	S	S
15.0607280	Birmingham	UK	1	SAMN07659631	S	S	S	S	S	S	S	S	S
16.0618131	Birmingham	UK	3	ERR2									

16.0617332	Birmingham	UK	4 (X-type)	ERR2513501	S	S	S	S	S	S	S	S	S	S
15.0601563	Birmingham	UK	4 (Ural)	ERR2513502	S	S	S	S	S	S	S	U	S	S
13.0616964	Birmingham	UK	3	ERR2513503	S	S	S	S	S	S	S	S	S	S
16.0607174	Birmingham	UK	3	ERR2513504	S	S	S	S	S	S	S	S	S	S
14.0600005	Birmingham	UK	4 (Cameroon)	ERR2513505	S	S	S	S	S	S	S	S	S	S
15.0607691	Birmingham	UK	1	SAMN076595627	S	S	S	S	n/a	S	F	S	S	S
12.0613649	Birmingham	UK	3	ERR2513506	S	S	S	S	S	S	S	U	S	S
13.0600087	Birmingham	UK	1	ERR2513507	S	S	S	S	S	F	S	S	S	S
15.0601291	Birmingham	UK	3	ERR2513508	S	S	S	S	S	S	S	S	S	S
16.0618320	Birmingham	UK	3	ERR2513509	S	S	n/a	n/a	S	S	U	S	S	S
13.0605637	Birmingham	UK	3	ERR2513510	S	S	S	S	S	S	S	U	S	S
13.0607992	Birmingham	UK	4 (Haarlem)	ERR2513511	S	S	S	S	n/a	S	S	S	S	S
15.0615243	Birmingham	UK	3	SAMN076595621	S	S	S	S	S	S	S	S	S	S
16.0618609	Birmingham	UK	4 (Uganda)	ERR2513512	S	S	S	S	S	S	S	S	S	F
14.0602707	Birmingham	UK	3	SAMN05276412	S	S	S	S	S	S	S	S	S	S
12.0610286	Birmingham	UK	3	ERR2513513	S	S	S	S	S	S	S	S	S	S
15.0601757	Birmingham	UK	SAMN076595620	S	S	R	S	S	S	S	S	S	R	S
15.0607824	Birmingham	UK	4 (LAM)	SAMN07659619	S	S	S	S	S	S	S	S	S	S
15.0613448	Birmingham	UK	3	SAMN076595618	S	S	S	S	S	S	S	S	S	S
15.0607797	Birmingham	UK	1	SAMN076595614	S	S	S	S	S	S	U	S	S	S
14.0600220	Birmingham	UK	4 (Cameroon)	ERR2513333	S	S	S	S	S	S	S	S	S	S
12.0614857	Birmingham	UK	3	ERR2513515	S	S	S	S	S	S	S	S	S	S
16.0601541	Birmingham	UK	2	ERR2513516	S	S	S	S	S	S	S	S	S	S
14.0616096	Birmingham	UK	4	ERR2513517	n/a	n/a	n/a	S	S	S	S	S	S	S
14.0604994	Birmingham	UK	4 (X-type)	ERR2513518	S	S	S	S	S	S	S	S	S	S
13.0606726	Birmingham	UK	1	ERR2513519	S	S	S	S	S	S	S	S	S	S
15.0601638	Birmingham	UK	4 (S-type)	ERR2513520	S	S	S	S	S	S	S	S	S	S
14.0609476	Birmingham	UK	3	ERR2513521	S	S	S	S	S	S	S	S	S	S
15.0601883	Birmingham	UK	3	SAMN076595610	S	S	S	S	S	S	S	S	S	S
16.0602436	Birmingham	UK	4 (LAM)	SAMN076595606	S	S	S	S	S	S	S	S	S	S
15.0601417	Birmingham	UK	4 (Ural)	ERR2513523	S	S	S	S	S	S	S	S	S	S
12.0615290	Birmingham	UK	4 (Haarlem)	ERR2513524	S	S	S	S	S	S	S	S	S	S
13.0609012	Birmingham	UK	4	ERR2513525	S	S	S	S	S	S	S	S	S	S
14.0611676	Birmingham	UK	3	ERR2513526	S	S	S	S	S	S	U	S	S	S
15.0607528	Birmingham	UK	4 (Uganda)	SAMN076595604	S	S	S	S	S	S	S	S	S	S
13.0602088	Birmingham	UK	1	ERR2513527	S	S	S	S	F	S	S	S	S	S
13.0605704	Birmingham	UK	3	ERR2513528	S	S	S	S	S	S	U	S	S	S
15.0607978	Birmingham	UK	3	SAMN076595603	S	S	S	S	S	S	U	S	S	S
14.0609856	Birmingham	UK	4 (Ural)	ERR2513529	S	S	S	S	S	S	S	S	S	S
13.0611717	Birmingham	UK	1	ERR2513530	S	S	S	S	S	S	S	S	S	S
15.0609023	Birmingham	UK	4 (Haarlem)	SAMN076595602	S	S	S	S	S	S	S	S	S	S
14.0604679	Birmingham	UK	4 (Haarlem)	ERR2513531	S	S	S	S	S	S	S	S	S	S
13.0602060	Birmingham	UK	3	ERR2512414	S	S	S	S	S	S	S	S	S	S
16.0601281	Birmingham	UK	1	ERR2513533	S	S	S	S	S	S	U	S	S	S
14.0609152	Birmingham	UK	3	ERR2513534	S	S	S	S	S	S	S	S	S	S
15.0607823	Birmingham	UK	4 (X-type)	SAMN07659599	S	S	S	S	S	S	S	S	S	S
16.0607377	Birmingham	UK	4 (Haarlem)	ERR2513535	S	S	S	S	S	S	S	S	S	S
17.0601020	Birmingham	UK	4 (Haarlem)	ERR2513536	S	S	S	S	S	S	S	S	S	S
14.0600283	Birmingham	UK	2	ERR2513537	S	S	S	S	S	S	S	U	S	S
16.0607455	Birmingham	UK	2	ERR2513538	S	S	S	S	S	S	S	S	S	S
16.0601958	Birmingham	UK	4	ERR2513539	S	S	S	S	S	S	S	S	S	S
12.0616562	Birmingham	UK	1	ERR2513540	S	S	S	S	S	S	S	S	S	S
14.0600251	Birmingham	UK	4 (X-type)	ERR2513541	S	S	S	S	S	S	S	S	S	S
16.0618201	Birmingham	UK	3	ERR2513542	S	S	S	S	S	S	S	S	S	S
16.0601074	Birmingham	UK	3	SAMN076595996	S	S	S	n/a	U	S	S	S	S	S
15.0613009	Birmingham	UK	4	SAMN076595995	S	S	S	S	S	S	S	S	S	S
15.0607719	Birmingham	UK	SAMN07659599	S	S	S	S	S	S	S	S	S	S	S
14.0600384	Birmingham	UK	4 (X-type)	ERR2513543	S	S	S	S	S	S	S	S	S	S
12.0612484	Birmingham	UK	3	ERR2513544	R	S	S	S	U	S	S	S	S	S
15.0611635	Birmingham	UK	1	SAMN076595990	S	S	S	n/a	S	S	U	S	S	S
14.0600647	Birmingham	UK	2	ERR2513545	S	S	S	S	R	S	S	S	S	S
16.0617167	Birmingham	UK	4 (LAM)	ERR2513546	S	S	S	S	S	S	S	S	S	S
14.0616099	Birmingham	UK	3	ERR2513547	S	S	S	S	S	S	S	S	S	S
12.0613641	Birmingham	UK	4 (Cameroon)	ERR2513548	S	S	S	S	R	S	S	S	S	S
13.0601212	Birmingham	UK	3	ERR2513549	S	S	S	S	S	S	S	S	S	S
16.0602460	Birmingham	UK	4 (Haarlem)	SAMN07659586	S	S	S	S	S	S	S	U	S	S
12.0927475	Birmingham	UK	4 (LAM)	ERR2513550	S	S	S	S	S	S	S	S	S	S
14.0607894	Birmingham	UK	1	ERR2513551	S	S	S	S	S	S	S	S	S	S
12.0604645	Birmingham	UK	3	ERR2513552	S	S	S	S	S	S	S	S	S	S
11.0612559	Birmingham	UK	3	ERR2513553	S	S	S	S	S	S	S	U	U	S
15.0609310	Birmingham	UK	3	SAMN07659584	S	S	S	S	S	S	S	S	S	S
13.0604894	Birmingham	UK	3	ERR2513554	S	S	S	S	S	S	S	S	S	S
13.0609877	Birmingham	UK	3	ERR2513555	S	S	S	S	S	S	S	S	S	S
12.0611203	Birmingham	UK	3	ERR2513556	S	S	S	S	S	S	S	S	S	S
13.0609263	Birmingham	UK	1	ERR2513557	S	S	S	S	S	S	S	S	S	S
14.0600049	Birmingham	UK	4 (X-type)	ERR2513558	S	S	S	S	S	S	S	S	S	S
16.0605810	Birmingham	UK	3	ERR2513559	S	S	S	S	S	S	S	S	S	S
13.0617617	Birmingham	UK	4	ERR2513560	S	S	S	S	S	S	U	S	S	S
16.0618395	Birmingham	UK	4	ERR2513561	S	S	S	S	S	S	S	U	S	S
16.0601028	Birmingham	UK	4 (S-type)	SAMN07659576	S	S	S	S	S	S	S	S	S	S
13.0612210	Birmingham	UK	1	ERR2513033	S	S	S	S	S	S	S	S	S	S
16.0607895	Birmingham	UK	3	ERR2513563	S	S	S	S	S	S	S	S	S	S
14.0616160	Birmingham	UK	4 (Ural)	ERR2513886	S	S	S	S	S	S	S	S	S	S
15.0607213	Birmingham	UK	3	SAMN07659575	S	S	S	S	S	S	S	S	S	S
16.0618520	Birmingham	UK	4 (Cameroon)	ERR2513565	S	S	S	n/a	S	S	S	U	S	S
15.0609411	Birmingham	UK	4 (LAM)	SAMN07659574	S	S	S	S	S	S	S	S	S	S
14.0609450	Birmingham	UK	2	ERR2513566	S	S	S	S	S	S	S	U	S	S
13.0600307	Birmingham	UK	3	ERR2513567	S	S	S	S	S	S	S	S	S	S
15.0601415	Birmingham	UK	4 (X-type)	ERR2513568	S	S	S	S	S	S	S	S	S	S
14.0615356	Birmingham	UK	3	ERR2513569	S	S	S	S	S	S	S	S	S	S
13.0613507	Birmingham	UK	4 (Cameroon)	ERR2513570	S	S	S	S	S	S	S	S	S	S
16.0601570	Birmingham	UK	4 (Cameroon)	ERR2513571	S	S	S	S	S	S	S	S	S	S
14.0616195	Birmingham	UK	2	ERR2513572	n/a	n/a	n/a	S	R	R	R	R	R	S
16.0601837	Birmingham	UK	3	ERR2513573	S	S	S	S	S	S	S	S	S	S
14.0613841	Birmingham	UK	3	ERR2513574	S	S	S	S	S	S	S	S	S	S
13.0609459	Birmingham	UK	3	ERR2513575	S	S	S	S	S	S	S	S	S	S
15.0613064	Birmingham	UK	3	SAMN07659562	S	S	S	S	S	S	S	S	S	S
16.0603813	Birmingham	UK	3	ERR2513576	S	S	S	S	S	S	S	S	S	S
14.0600200	Birmingham	UK	3	ERR2513577	S	S	S	S	S	S	S	S	S	S
15.0613472	Birmingham	UK	4	ERR2513578	S	S	S	S	S	S	S	U	S	S
15.0612112	Birmingham	UK	3	SAMN07659577	S	S	S	S	S	S	S	S	S	S
13.0605186	Birmingham	UK	4 (LAM)	ERR2513579	S	S	S	S	S	S	S	S	S	S
11.0612877	Birmingham	UK	3	ERR2513580	S	S	S	S	S	S	S	S	S	S
15.0601413	Birmingham	UK	1	ERR2513581	S	S	S	S	F	S	S	F	S	S
15.0607666	Birmingham	UK	4	SAMN07659555	S	S	S	S	S	S	S	S	S	S
14.0609144	Birmingham	UK	4	ERR2513582	S	S	S	S	S	S	S	S	S	S
15.0600566	Birmingham	UK	3	SAMN07659554										

14.0611632	Birmingham	UK	3	ERR2513598	S	S	S	S	S	S	S	S
15.0607621	Birmingham	UK	2	SAMN07659540	S	S	S	n/a	S	S	S	S
15.0608405	Birmingham	UK	3	ERR2513599	S	S	S	S	S	S	S	S
15.0601486	Birmingham	UK	4	ERR2513600	S	S	S	S	S	S	S	S
12.0617565	Birmingham	UK	3	ERR2513601	S	S	S	S	S	S	S	S
14.0600447	Birmingham	UK	4 (X-type)	ERR2513602	S	S	S	S	S	S	S	S
15.0603289	Birmingham	UK	4 (Cameroon)	ERR2513603	S	S	S	S	S	S	S	S
14.0600911	Birmingham	UK	3	ERR2513604	S	S	S	S	S	S	S	S
16.0618311	Birmingham	UK	3	ERR2513605	n/a	n/a	n/a	S	S	S	S	S
13.0611341	Birmingham	UK	4 (X-type)	ERR2513606	S	S	S	S	S	S	S	S
14.0613857	Birmingham	UK	M. bovis	ERR2513607	n/a	S	S	R	S	S	R	S
14.0600265	Birmingham	UK	4 (Ural)	ERR2513608	R	R	S	R	R	R	U	U
14.0613898	Birmingham	UK	4 (LAM)	ERR2513609	S	S	S	S	S	S	S	S
14.0600716	Birmingham	UK	3	ERR2513610	S	S	S	F	S	S	S	S
16.0617565	Birmingham	UK	4 (LAM)	ERR2513611	S	S	S	S	S	S	S	S
13.0609248	Birmingham	UK	2	ERR2513612	S	S	S	S	S	S	S	S
15.0601614	Birmingham	UK	3	SAMN07659532	S	S	S	S	S	S	S	S
13.0606635	Birmingham	UK	1	ERR2513613	S	S	S	S	S	S	S	S
13.0610747	Birmingham	UK	3	ERR2513614	S	S	S	S	S	S	S	S
13.0607916	Birmingham	UK	3	ERR2513615	S	S	S	S	S	S	S	S
13.0613127	Birmingham	UK	1	ERR2513616	S	S	S	S	S	S	S	S
16.0618401	Birmingham	UK	4 (Cameroon)	ERR2513617	S	S	S	S	S	S	S	S
15.0601306	Birmingham	UK	3	ERR2513618	S	S	S	S	S	S	S	S
16.0613389	Birmingham	UK	4	ERR2513619	S	S	S	S	S	S	S	S
12.0611891	Birmingham	UK	3	ERR2513620	S	S	S	S	S	S	S	S
16.0617385	Birmingham	UK	4 (LAM)	ERR2513621	S	S	S	S	S	S	S	U
15.0613554	Birmingham	UK	3	SAMN07659526	S	S	S	S	S	S	S	S
15.0607651	Birmingham	UK	4 (Haarlem)	SAMN07659525	S	S	S	S	S	S	S	S
14.0609943	Birmingham	UK	4	ERR2513622	S	S	S	S	S	S	S	S
13.0613593	Birmingham	UK	4 (LAM)	ERR2513623	S	S	S	S	S	S	S	S
16.0601258	Birmingham	UK	4	SAMN07659524	S	S	S	S	S	S	S	S
12.0615000	Birmingham	UK	3	ERR2512401	S	S	S	S	S	S	S	S
14.0615443	Birmingham	UK	M. orygis	ERR2513625	n/a	S	S	S	U	S	S	S
16.0607379	Birmingham	UK	4 (LAM)	ERR2513626	S	S	S	S	S	S	S	S
12.0616928	Birmingham	UK	4	ERR2513627	S	S	S	S	S	S	S	S
16.0618160	Birmingham	UK	4 (Haarlem)	ERR2513628	S	S	S	F	S	S	S	S
15.0601466	Birmingham	UK	3	SAMN07659521	S	S	S	S	S	S	S	S
12.0617714	Birmingham	UK	3	ERR2513629	S	S	S	F	S	S	S	S
15.0601658	Birmingham	UK	3	ERR2513630	S	S	S	S	S	S	S	S
15.0602905	Birmingham	UK	4 (X-type)	ERR2513631	R	R	R	n/a	R	R	F	R
16.0618376	Birmingham	UK	4	ERR2513632	S	S	S	S	S	S	S	S
16.0602771	Birmingham	UK	3	ERR2513633	S	S	S	S	S	S	S	S
13.0602841	Birmingham	UK	3	ERR2513634	S	S	S	S	S	S	S	S
16.0601331	Birmingham	UK	3	SAMN07659519	R	S	S	R	S	S	S	S
13.0618224	Birmingham	UK	3	ERR2513637	S	S	S	S	S	S	S	S
12.0611350	Birmingham	UK	3	ERR2512385	S	S	S	S	S	S	S	S
13.0605248	Birmingham	UK	3	ERR2513639	S	S	S	S	S	S	S	S
14.0609485	Birmingham	UK	3	ERR2513640	S	S	S	S	S	S	S	S
16.0617110	Birmingham	UK	4 (X-type)	ERR2513641	S	S	S	n/a	S	S	S	S
15.0613447	Birmingham	UK		SAMN07659517	S	S	S	S	S	S	S	S
16.0607591	Birmingham	UK	4	ERR2513642	S	S	S	S	S	S	S	S
14.0600390	Birmingham	UK	4 (X-type)	ERR2513382	S	S	S	F	S	S	S	S
14.0600505	Birmingham	UK	3	ERR2513644	S	S	S	S	S	S	R	S
16.0601588	Birmingham	UK	3	ERR2513645	S	S	S	S	S	S	S	S
14.0616179	Birmingham	UK	5	ERR2513646	S	S	S	S	S	S	S	U
14.0609805	Birmingham	UK	1	ERR2513647	S	S	S	S	S	S	S	S
11.0605451	Birmingham	UK	4	ERR2513648	S	S	S	S	S	S	S	S
15.0607544	Birmingham	UK	3	SAMN07659513	S	S	S	S	S	S	S	S
14.0607524	Birmingham	UK	3	ERR2513649	S	S	S	S	S	S	S	S
13.0605182	Birmingham	UK	4 (Uganda)	ERR2513650	S	S	S	S	S	S	S	S
12.0610867	Birmingham	UK	3	ERR2513651	S	S	S	S	S	S	S	S
16.0607561	Birmingham	UK	4 (X-type)	ERR2513652	S	S	S	S	S	S	S	S
15.0611196	Birmingham	UK	4 (X-type)	SAMN07659509	S	S	S	S	S	S	S	S
15.0607500	Birmingham	UK	3	SAMN07659508	S	S	S	S	S	S	S	S
15.0601487	Birmingham	UK	4	ERR2513653	S	S	S	S	S	S	S	S
12.0927149	Birmingham	UK	4	ERR2513654	S	S	S	S	S	S	S	S
15.0604059	Birmingham	UK	3	SAMN07659506	S	S	S	S	S	S	S	S
16.0603746	Birmingham	UK	4 (LAM)	ERR2513655	S	S	S	n/a	S	S	S	S
15.0607130	Birmingham	UK	2	SAMN07659502	S	S	S	S	S	S	S	S
15.0607737	Birmingham	UK	4 (LAM)	ERR2513656	R	R	R	R	R	R	R	R
16.0618601	Birmingham	UK	1	ERR2513657	S	S	n/a	S	S	S	S	S
16.0618354	Birmingham	UK	1	ERR2513658	S	S	S	n/a	S	S	S	S
15.0615809	Birmingham	UK	3	SAMN07659499	S	S	S	S	S	S	S	S
13.0604363	Birmingham	UK	4 (X-type)	ERR2513659	S	S	S	S	S	S	S	S
14.0602202	Birmingham	UK	3	ERR2513660	S	S	S	S	S	S	S	S
16.0618545	Birmingham	UK	4	ERR2513661	S	S	S	S	S	S	S	S
17.0601106	Birmingham	UK	4 (LAM)	ERR2513662	n/a	n/a	n/a	S	S	S	S	S
16.0607074	Birmingham	UK	4 (X-type)	ERR2513663	n/a	n/a	n/a	S	S	S	S	S
16.0618240	Birmingham	UK	3	ERR2513664	S	S	S	S	S	S	S	S
16.0607861	Birmingham	UK	3	ERR2513665	S	S	S	S	S	S	U	S
14.0609501	Birmingham	UK	3	ERR2513666	S	S	S	S	S	S	S	S
14.0609343	Birmingham	UK	2	ERR2513667	S	S	S	S	S	S	S	U
11.0604389	Birmingham	UK	4	ERR2513668	S	S	S	S	S	S	S	S
16.0607177	Birmingham	UK	1	ERR2513669	S	S	S	S	S	S	S	S
16.0618151	Birmingham	UK	1	ERR2513670	S	S	S	S	S	S	S	S
13.0607957	Birmingham	UK	M. orygis	ERR2513671	n/a	n/a	n/a	S	S	S	S	S
16.0617625	Birmingham	UK	3	ERR2513672	n/a	n/a	n/a	R	S	S	S	S
11.0603912	Birmingham	UK	4	ERR2513673	S	S	S	S	S	S	S	S
14.0603038	Birmingham	UK	3	ERR2513674	S	S	S	S	S	S	S	S
13.0613142	Birmingham	UK	2	ERR2513675	S	S	S	S	S	S	S	S
13.0608457	Birmingham	UK	4	ERR2513676	S	S	S	S	S	S	S	S
12.0610841	Birmingham	UK	4 (X-type)	ERR2513677	S	S	S	S	S	S	S	S
15.0607530	Birmingham	UK	4	SAMN07659490	S	S	S	S	S	S	S	S
13.0607978	Birmingham	UK	3	ERR2513678	S	S	S	S	S	S	S	S
13.0603877	Birmingham	UK	3	ERR2513679	S	S	S	S	S	S	S	S
15.0607673	Birmingham	UK	3	ERR2513680	S	S	S	S	S	S	S	S
14.0609799	Birmingham	UK	1	ERR2513681	S	S	S	F	F	F	F	S
15.0602409	Birmingham	UK	3	ERR2513682	S	S	S	S	S	S	S	U
16.0601528	Birmingham	UK	3	ERR2513683	S	S	S	S	S	S	S	S
09.0600447	Birmingham	UK	3	ERR2513684	S	S	S	S	S	S	S	S
12.0615271	Birmingham	UK	3	ERR2513685	S	S	S	S	S	S	S	S
16.0617398	Birmingham	UK	4 (Tur)	ERR2513686	S	S	S	S	S	S	S	S
13.0614577	Birmingham	UK	1	ERR2513687	S	S	S	S	S	S	S	S
16.0601565	Birmingham	UK	1	ERR2513688	S	S	S	S	S	S	S	S
13.0613385	Birmingham	UK	3	ERR2513689	S	S	S	S	S	S	S	S
14.0609893	Birmingham	UK	4	ERR2513690	S	S	S	S	S	S	S	S
15.0607228	Birmingham	UK	3	SAMN07659485	S	S	S	S	S	S	S	S
14.0607266	Birmingham	UK	3	ERR2513691	S	S	S	S	S	S	S	S
13.0608435	Birmingham	UK	4 (LAM)	ERR2513692	S	S	S	S	S	S	S	S
12.0614865	Birmingham	UK	4 (X-type)	ERR2513693	S	S	S	S	S	S	S	S
13.0603129	Birmingham	UK	1	ERR2513694	S	S	S	S	S	S	S	S
15.0607424	Birmingham	UK	4 (Tur)	SAMN07659477	S	S	S	F	S	S	S	S
12.0616801	Birmingham	UK	4 (LAM)	ERR2513695	S	S	S	S	S	S	S	S
12.0614223	Birmingham	UK	1	ERR2513696	S	S	S	S	S	S	S	S
15.0601251	Birmingham	UK	4 (Haarlem)	SAMN07659475	S	S	S	S	S	S	S	S
12.0605156	Birmingham	UK	2	ERR2513697	S	S	S	S	S	S	S	S
12.0608436	Birmingham	UK	3	ERR2513698	S	S	S	S	S	S	S	S
15.0601292	Birmingham	UK	4 (Haarlem)	ERR2513699	S	S	S	S	S	S	S	S
12.0616801	Birmingham	UK	3	SAMN07659473	S	S	S	S	S	S	S	S
12.0614223	Birmingham	UK	4 (S-type)	ERR2513700	S	S	S	S	S	S	S	S
14.0616145	Birmingham	UK	2	ERR2513701	S	S	S	S	S	S	S	S
14.0612015	Birmingham	UK	4	ERR2513702	S	S	S	F	S	S	S	S

13.0613472	Birmingham	UK	4 (Cameroon)	ERR2513703	S	S	S	S	S	S	S
16.0601785	Birmingham	UK	4	ERR2513704	S	S	S	S	S	S	S
16.0607158	Birmingham	UK	3	ERR2513705	S	S	S	S	S	S	U
13.0611322	Birmingham	UK	4	ERR2513706	S	S	S	S	S	S	S
14.0602863	Birmingham	UK	3	SAMNO5276426	S	S	S	S	S	S	S
15.0611433	Birmingham	UK	2	SAMNO7659468	R	R	R	n/a	R	R	R
13.0613490	Birmingham	UK	4 (X-type)	ERR2513215	S	S	S	S	S	S	S
16.0618577	Birmingham	UK	2	ERR2513708	S	S	S	S	S	S	S
16.0617189	Birmingham	UK	4	ERR2513709	S	S	S	S	S	S	S
15.0601313	Birmingham	UK	4 (Haarlem)	ERR2513710	R	S	S	S	R	S	R
14.0613749	Birmingham	UK	1	ERR2513711	S	S	S	S	U	S	S
13.0601230	Birmingham	UK	4 (Cameroon)	ERR2512411	S	S	S	S	S	S	S
15.0601151	Birmingham	UK	4	ERR2513713	S	S	S	S	S	S	S
13.0610327	Birmingham	UK	2	ERR2513714	S	S	S	S	S	S	S
13.0613586	Birmingham	UK	3	ERR2513715	S	S	S	S	S	S	S
16.0601430	Birmingham	UK	4	ERR2513716	S	S	S	S	S	S	S
16.0607717	Birmingham	UK	2	ERR2513717	S	S	S	S	F	S	S
16.0611544	Birmingham	UK	4 (Cameroon)	ERR2513718	S	S	S	S	S	S	S
12.0607008	Birmingham	UK	3	ERR2513719	S	S	S	S	S	S	S
13.0613509	Birmingham	UK	3	ERR2513720	S	S	S	R	S	S	R
12.0614091	Birmingham	UK	4 (Tur)	ERR2513721	S	S	S	S	S	S	S
13.0611297	Birmingham	UK	4	ERR2513722	S	S	S	S	S	S	S
15.0605888	Birmingham	UK	4 (LAM)	SAMNO7659458	S	S	S	S	S	S	S
16.0601667	Birmingham	UK	3	ERR2513723	S	S	S	S	S	S	S
15.0607389	Birmingham	UK	4	SAMNO7659456	S	S	S	S	S	S	S
15.0613466	Birmingham	UK	4 (LAM)	ERR2513724	S	S	S	S	U	U	S
15.0607836	Birmingham	UK	1	SAMNO7659455	S	S	S	S	S	S	S
11.0614563	Birmingham	UK	5	ERR2513725	S	S	S	S	S	S	U
13.0607393	Birmingham	UK	3	ERR2513726	S	S	S	S	S	S	S
13.0605714	Birmingham	UK	4	ERR2513727	S	S	S	S	S	S	S
15.0601454	Birmingham	UK	3	ERR2513728	S	S	S	S	S	S	S
15.0607568	Birmingham	UK	3	SAMNO7659454	S	S	S	S	S	S	S
14.0609170	Birmingham	UK	3	ERR2513729	S	S	S	S	S	S	S
13.0603087	Birmingham	UK	3	ERR2513730	R	S	S	S	R	S	S
12.0612520	Birmingham	UK	4	ERR2512392	S	S	S	S	S	S	S
13.0613544	Birmingham	UK	3	ERR2513732	S	S	S	S	U	S	S
13.0604897	Birmingham	UK	1	ERR2513733	S	S	S	S	S	S	U
15.0601228	Birmingham	UK	4 (Haarlem)	ERR2513734	S	S	S	S	S	S	S
17.0601233	Birmingham	UK	4 (Haarlem)	ERR2513735	n/a	n/a	n/a	S	S	S	S
15.0604955	Birmingham	UK	4 (Cameroon)	SAMNO7659451	S	S	S	S	S	S	S
13.0609003	Birmingham	UK	1	ERR2513736	S	S	S	S	S	S	S
16.0617363	Birmingham	UK	4	ERR2513737	S	S	S	S	S	S	S
16.0618282	Birmingham	UK	1	ERR2513738	S	S	S	S	F	S	S
14.0609509	Birmingham	UK	1	ERR2513739	S	S	S	S	S	S	S
14.0600301	Birmingham	UK	4 (Tur)	ERR2513740	S	S	S	S	S	S	S
14.0600068	Birmingham	UK	4 (Uganda)	ERR2513741	S	S	S	S	S	S	S
16.0601666	Birmingham	UK	4	ERR2513742	R	R	R	n/a	R	R	F
16.0601133	Birmingham	UK	3	SAMNO7659449	S	S	S	S	S	S	U
16.0605889	Birmingham	UK	4 (Haarlem)	ERR2513743	S	S	S	S	S	S	S
16.0601963	Birmingham	UK	4 (Haarlem)	ERR2513744	S	S	S	S	S	S	S
13.0613206	Birmingham	UK	4	ERR2513745	S	S	S	S	S	S	S
16.0601901	Birmingham	UK	3	ERR2513746	S	S	S	S	F	S	S
13.0603154	Birmingham	UK	4 (LAM)	ERR2513747	S	S	S	S	S	S	S
16.0614420	Birmingham	UK	3	ERR2513748	S	S	S	S	S	S	S
12.0611897	Birmingham	UK	3	ERR2513749	S	S	S	S	S	S	S
16.0618621	Birmingham	UK	3	ERR2513750	S	S	S	n/a	S	S	S
12.0613195	Birmingham	UK	3	ERR2513751	S	S	S	S	S	S	S
15.0601963	Birmingham	UK	3	SAMNO7659443	S	S	S	S	S	S	S
14.0600815	Birmingham	UK	4	ERR2513752	R	S	S	R	S	S	S
14.0600174	Birmingham	UK	1	ERR2513753	S	S	S	S	S	S	S
14.0600303	Birmingham	UK	4 (Haarlem)	ERR2513754	S	S	S	S	S	S	S
16.0611291	Birmingham	UK	4	ERR2513755	S	S	S	S	S	S	S
14.0604808	Birmingham	UK	3	ERR2513756	S	S	S	S	S	S	S
14.0613802	Birmingham	UK	4	ERR2513757	S	S	S	S	S	S	S
16.0608644	Birmingham	UK	4 (LAM)	ERR2513758	S	S	S	S	S	S	S
14.0606215	Birmingham	UK	4	ERR2513759	S	S	S	S	S	S	S
12.0607547	Birmingham	UK	3	ERR2513760	S	S	S	S	S	S	S
13.0613111	Birmingham	UK	3	ERR2513761	S	S	S	S	S	S	S
17.0601252	Birmingham	UK	3	ERR2513762	S	S	S	S	S	S	S
16.0601231	Birmingham	UK	2	SAMNO7659437	S	S	S	S	S	S	S
13.0609458	Birmingham	UK	4 (LAM)	ERR2513763	S	S	S	S	S	S	S
15.0605349	Birmingham	UK	1	SAMNO7659436	R	n/a	S	R	R	U	S
17.0601220	Birmingham	UK	3	ERR2513764	S	S	S	S	S	S	S
12.0611179	Birmingham	UK	2	ERR2513765	S	S	S	S	S	S	S
15.0601910	Birmingham	UK	3	SAMNO7659434	S	S	S	S	S	S	U
16.0607979	Birmingham	UK	3	ERR2513766	S	S	S	S	S	S	S
16.0607117	Birmingham	UK	3	ERR2513767	S	S	S	S	S	S	F
14.0600708	Birmingham	UK	3	ERR2513768	S	S	S	S	S	S	S
13.0610493	Birmingham	UK	3	ERR2513769	S	S	S	S	S	S	S
14.0616146	Birmingham	UK	2	ERR2513770	R	R	R	n/a	R	R	R
15.0607243	Birmingham	UK	3	SAMNO7659432	S	S	S	S	S	S	S
12.0927951	Birmingham	UK	4 (LAM)	ERR2513771	S	S	S	S	S	S	S
15.0607089	Birmingham	UK	1	SAMNO7659430	S	S	S	S	S	S	S
14.0600736	Birmingham	UK	4 (Cameroon)	ERR2513772	S	S	S	S	S	S	S
16.0601247	Birmingham	UK	3	SAMNO7659427	S	S	S	S	S	S	S
16.0613570	Birmingham	UK	4 (Haarlem)	ERR2513773	S	S	S	S	S	S	S
15.0607969	Birmingham	UK	M. bovis	SAMNO7659425	S	S	S	R	S	S	R
14.0609773	Birmingham	UK	3	ERR2513774	S	S	S	S	S	S	S
14.0608174	Birmingham	UK	3	ERR2513775	S	S	S	S	R	S	S
11.0614843	Birmingham	UK	1	ERR2513776	S	S	S	n/a	S	S	S
14.0600893	Birmingham	UK	1	ERR2513777	S	S	S	S	S	S	S
14.0609957	Birmingham	UK	3	ERR2513778	S	S	S	S	S	S	S
15.0603618	Birmingham	UK	4 (Haarlem)	ERR2513779	S	S	S	S	S	S	U
15.0607522	Birmingham	UK	1	SAMNO7659419	S	S	S	F	S	S	S
14.0610264	Birmingham	UK	3	ERR2513780	S	S	S	S	S	S	S
12.0615221	Birmingham	UK	1	ERR2513781	S	S	S	F	S	S	S
16.0601784	Birmingham	UK	2	ERR2513782	S	S	S	R	R	R	R
16.0601321	Birmingham	UK	1	SAMNO7659418	S	S	S	n/a	S	S	S
12.0612550	Birmingham	UK	4 (LAM)	ERR2512394	S	S	S	S	S	S	S
14.0602933	Birmingham	UK	3	SAMNO5276431	S	S	S	S	S	S	S
09.0605986	Birmingham	UK	4 (Haarlem)	ERR2513784	R	S	S	R	S	S	R
16.0601324	Birmingham	UK	4 (Haarlem)	SAMNO7659415	S	S	S	S	U	S	S
15.0607597	Birmingham	UK	4	SAMNO7659414	S	S	S	S	S	S	S
13.0604526	Birmingham	UK	3	ERR2513785	R	R	R	R	R	R	R
12.0612533	Birmingham	UK	2	ERR2513786	R	R	R	R	R	R	R
13.0606727	Birmingham	UK	3	ERR2513787	S	S	S	S	S	S	S
15.0607097	Birmingham	UK	3	SAMNO7659412	S	S	S	S	S	S	S
14.0609052	Birmingham	UK	3	ERR2513788	S	S	S	S	S	S	S
16.0601135	Birmingham	UK	3	SAMNO7659410	S	S	S	S	S	S	S
15.0601163	Birmingham	UK	4	ERR2513789	R	S	S	R	S	S	S
16.0618509	Birmingham	UK	4 (LAM)	ERR2513790	S	S	S	S	S	S	S
13.0613182	Birmingham	UK	4 (X-type)	ERR2513791	S	n/a	S	S	R	S	S
15.0607231	Birmingham	UK	1	SAMNO7659407	S	S	S	S	S	S	R
14.0609001	Birmingham	UK	4 (LAM)	ERR2513792	S	S	S	S	S	S	S
14.0609598	Birmingham	UK	3	ERR2513793	S	S	S	S	S	S	S
17.0601129	Birmingham	UK	4	ERR2513794	S	S	S	n/a	S	S	S
16.0607911	Birmingham	UK	4	ERR2513795	S	S	S	S	S	S	S
16.0601641	Birmingham	UK	1	ERR2513796	S	S	S	S	S	S	S
13.0603182	Birmingham	UK	3	ERR2513797	S	S	S	S	S	S	S
15.0607273	Birmingham	UK	2	ERR2513798	S	S	S	S	S	S	S
14.0609001	Birmingham	UK	3	ERR2513799	S	S	S	S	S	S	S
14.0609598	Birmingham	UK	3	ERR2513799	S	S	S	S	S	S	S
17.0601129	Birmingham	UK	4	ERR2513799	S	S	S	S	S	S	S
16.0607911	Birmingham	UK	4	ERR2513799	S	S	S	S	S	S	S
16.0601641	Birmingham	UK	1	ERR2513796	S	S	S	S	S	S	S
13.0608328	Birmingham	UK	3	ERR2513797	S	S	S	S	S	S	S
11.0609727	Birmingham	UK	2	ERR2513798	S	S	S	S	S	S	S
12.0612488	Birmingham	UK	3	ERR2513799	S	S	S	S	S	S	S
14.0601200	Birmingham	UK	3	ERR2513800	S	S	S	S	S	S	S

16.0608008	Birmingham	UK	3	ERR2513801	S	S	S	S	S	S	S
09.0601062	Birmingham	UK	3	ERR2513802	S	S	S	S	S	S	S
16.0607547	Birmingham	UK	3	ERR2513803	S	S	S	S	S	U	S
13.0605698	Birmingham	UK	4	ERR2513804	S	S	S	S	S	S	S
09.0603199	Birmingham	UK	3	ERR2513805	S	S	S	S	S	S	S
15.0613331	Birmingham	UK	4 (X-type)	ERR2513806	S	S	S	S	S	S	S
14.0600949	Birmingham	UK	4	ERR2513807	R	S	S	S	R	S	S
15.0601524	Birmingham	UK	4 (Haarlem)	ERR2513808	S	S	S	S	S	S	S
13.0616904	Birmingham	UK	3	ERR2513809	S	S	S	S	S	S	S
13.0603234	Birmingham	UK	4 (S-type)	ERR2513810	S	S	S	S	S	S	S
13.0604055	Birmingham	UK	M. bovis	ERR2513811	n/a	n/a	n/a	R	U	S	R
15.0602266	Birmingham	UK	4	ERR2513812	S	S	S	S	S	S	S
13.0609244	Birmingham	UK	4 (LAM)	ERR2513813	S	S	S	S	S	S	S
14.0609411	Birmingham	UK	4 (LAM)	ERR2513814	S	S	S	S	S	S	S
14.0609862	Birmingham	UK	1	ERR2513815	S	S	S	S	S	S	S
12.0606001	Birmingham	UK	3	ERR2513816	S	S	S	S	S	S	S
16.0607865	Birmingham	UK	4	ERR2513817	S	S	S	S	S	S	S
14.0600248	Birmingham	UK	4 (X-type)	ERR2513818	S	S	S	S	S	S	S
14.0609898	Birmingham	UK	4 (LAM)	ERR2513819	R	R	S	S	R	F	R
16.0601510	Birmingham	UK	1	ERR2513820	S	S	S	S	n/a	S	S
15.0607685	Birmingham	UK	1	SAMM07659394	R	S	S	S	R	S	U
13.0618415	Birmingham	UK	3	ERR2513821	S	S	S	S	S	S	S
12.0612052	Birmingham	UK	4	ERR2513822	S	S	S	S	S	S	S
15.0605917	Birmingham	UK	2	SAMM07659392	S	S	S	S	S	S	S
14.0600224	Birmingham	UK	4 (Haarlem)	ERR2513823	S	S	S	S	S	S	S
13.0601559	Birmingham	UK	4	ERR2513824	S	S	S	S	S	S	S
15.0607634	Birmingham	UK	4 (LAM)	SAMM07659388	R	R	n/a	n/a	R	R	R
14.0608084	Birmingham	UK	1	ERR2513825	S	S	S	S	S	S	S
14.0616008	Birmingham	UK	3	ERR2513826	n/a	n/a	n/a	S	S	S	S
14.0600701	Birmingham	UK	3	ERR2513827	S	S	S	S	S	S	S
14.0600969	Birmingham	UK		ERR2513828	S	S	S	S	S	S	S
14.0609550	Birmingham	UK	4 (S-type)	ERR2513635	S	S	S	S	S	S	S
16.0604070	Birmingham	UK	4	ERR2513830	S	S	S	S	S	F	S
15.0607144	Birmingham	UK	4 (Haarlem)	SAMM07659387	R	S	S	S	R	S	S
15.0607743	Birmingham	UK	4 (LAM)	ERR2513831	R	R	R	R	R	R	R
13.0609500	Birmingham	UK	4 (LAM)	ERR2512863	S	S	S	S	S	U	S
16.0601249	Birmingham	UK	4 (Ural)	SAMM07659385	S	S	S	S	S	S	S
13.0611898	Birmingham	UK	3	ERR2513833	S	S	S	S	S	S	S
15.0613468	Birmingham	UK	4 (Haarlem)	SAMM07659384	R	S	S	S	R	S	R
16.0607634	Birmingham	UK	3	ERR2513834	S	S	S	S	S	S	S
15.0610065	Birmingham	UK	4 (Haarlem)	SAMM07659383	S	S	S	S	S	S	S
13.0610490	Birmingham	UK	4 (S-type)	ERR2512950	S	S	S	S	S	S	S
15.0607583	Birmingham	UK	1	SAMM07659382	R	S	S	S	S	S	S
15.0602378	Birmingham	UK	3	ERR2513835	S	S	S	S	S	S	S
16.0607713	Birmingham	UK	4 (Haarlem)	ERR2513837	S	S	S	S	S	S	S
14.0607272	Birmingham	UK	3	ERR2513838	S	S	S	S	S	S	S
12.0617750	Birmingham	UK	4	ERR2513839	S	S	S	S	S	S	S
16.0606627	Birmingham	UK	3	ERR2513840	S	S	S	S	S	S	S
15.0607519	Birmingham	UK	4	SAMM07659380	S	S	S	S	S	S	S
16.0607204	Birmingham	UK	4 (X-type)	ERR2513841	S	S	S	S	S	S	S
16.0607413	Birmingham	UK	4 (Haarlem)	ERR2513842	S	S	S	S	S	S	S
16.0601283	Birmingham	UK	3	ERR2513843	S	S	S	S	S	S	S
13.0603125	Birmingham	UK	4 (Tur)	ERR2513844	S	S	S	S	S	S	S
13.0603882	Birmingham	UK	4 (Cameroon)	ERR2513845	S	S	S	S	S	S	S
13.0607382	Birmingham	UK	1	ERR2513846	S	S	S	S	S	S	S
14.0609511	Birmingham	UK	3	ERR2513847	S	S	S	S	S	S	S
16.0602777	Birmingham	UK		ERR2513848	S	S	S	S	S	U	S
14.0600695	Birmingham	UK	3	ERR2513849	S	S	S	S	S	S	S
15.0613121	Birmingham	UK	4	SAMM07659378	S	S	S	S	S	S	S
16.0610387	Birmingham	UK	2	ERR2513850	R	R	n/a	n/a	R	R	S
13.0616398	Birmingham	UK	1	ERR2513851	S	S	S	S	S	S	S
16.0601253	Birmingham	UK	4 (S-type)	SAMM07659376	S	S	S	S	S	S	S
15.0601189	Birmingham	UK	2	ERR2513852	R	R	R	R	R	R	R
14.0600740	Birmingham	UK	3	ERR2513840	S	S	S	S	S	S	S
09.0605864	Birmingham	UK	4 (X-type)	ERR2513854	S	S	S	S	S	S	S
13.0613443	Birmingham	UK	3	ERR2513855	S	S	S	S	S	S	S
13.0600311	Birmingham	UK	3	ERR2513856	S	S	S	S	S	S	S
12.0927696	Birmingham	UK	1	ERR2513857	S	S	S	S	S	S	S
15.0613149	Birmingham	UK	4 (Haarlem)	SAMM07659371	R	S	S	S	R	S	S
13.0603101	Birmingham	UK	4	ERR2513858	S	S	S	S	S	S	S
11.0613271	Birmingham	UK	4 (X-type)	ERR2513859	S	S	S	S	S	F	S
13.0608308	Birmingham	UK	3	ERR2513860	S	S	S	S	S	S	S
16.0618527	Birmingham	UK	4	ERR2513861	S	S	S	S	S	S	S
14.0609307	Birmingham	UK	4	ERR2513862	S	S	S	S	F	F	S
15.0613194	Birmingham	UK	3	SAMM07659367	S	S	S	S	F	F	S
16.0601323	Birmingham	UK	3	SAMM07659366	S	S	S	S	S	S	S
14.0600438	Birmingham	UK	1	ERR2513863	S	S	S	S	S	S	S
13.0613582	Birmingham	UK	4	ERR2513864	S	S	S	S	S	S	S
15.0601764	Birmingham	UK	4 (LAM)	SAMM07659362	S	S	S	S	S	S	S
13.0611008	Birmingham	UK	4 (Haarlem)	ERR2513865	S	S	S	S	S	S	S
16.0607551	Birmingham	UK	2	ERR2513866	S	S	S	S	S	S	S
12.0604241	Birmingham	UK	3	ERR2513867	S	S	S	S	S	S	S
15.0601634	Birmingham	UK	3	ERR2513868	S	S	S	S	S	S	S
13.0614099	Birmingham	UK	4	ERR2513869	S	S	S	S	S	S	S
12.0616629	Birmingham	UK	3	ERR2513870	S	S	S	S	S	S	S
15.0614758	Birmingham	UK	3	ERR2513871	S	S	S	S	S	S	S
15.0607730	Birmingham	UK	3	ERR2513872	R	R	S	S	U	R	S
15.0601197	Birmingham	UK	3	ERR2513873	S	S	S	S	S	S	S
13.0607969	Birmingham	UK	4	ERR2513874	S	S	S	S	S	S	S
16.0618191	Birmingham	UK	4	ERR2513875	S	S	S	S	S	S	S
14.0600850	Birmingham	UK	4 (X-type)	ERR2513876	S	S	S	S	S	S	S
15.0601400	Birmingham	UK	3	ERR2513877	S	S	S	S	S	S	S
16.0607479	Birmingham	UK	4 (Tur)	ERR2513878	S	S	S	S	S	S	S
15.0609816	Birmingham	UK	4	SAMM07659353	S	S	S	S	S	S	S
16.0601274	Birmingham	UK	4	SAMM07659351	S	S	S	S	S	S	S
14.0609234	Birmingham	UK	4	ERR2513879	S	S	S	S	S	U	S
10.0600320	Birmingham	UK	2	ERR2513880	R	R	R	R	R	R	R
13.0602718	Birmingham	UK	4	ERR2513881	S	S	S	S	S	S	S
14.0609908	Birmingham	UK	4 (LAM)	ERR2513882	S	S	S	S	S	S	S
16.0607316	Birmingham	UK	3	ERR2513883	S	S	S	S	S	S	S
16.0607451	Birmingham	UK	3	ERR2513884	S	S	S	S	S	S	S
13.0606728	Birmingham	UK	1	ERR2513885	S	S	S	S	S	S	S
12.0617770	Birmingham	UK	1	ERR2512407	S	S	S	S	S	S	S
15.0613542	Birmingham	UK	4	SAMM07659344	S	S	S	S	S	S	S
14.0600543	Birmingham	UK	3	ERR2513887	S	S	S	S	S	S	S
12.0617127	Birmingham	UK	2	ERR2513888	S	S	S	S	S	S	S
13.0608935	Birmingham	UK	3	ERR2513889	S	S	S	S	S	S	S
13.0613537	Birmingham	UK	3	ERR2513890	S	S	S	S	S	U	S
12.0612327	Birmingham	UK	4 (LAM)	ERR2513891	S	S	S	S	S	S	S
13.0607141	Birmingham	UK	4	ERR2513892	S	S	S	S	S	S	S
16.0601116	Birmingham	UK	4 (LAM)	SAMM07659343	n/a	n/a	n/a	S	S	S	S
12.0610131	Birmingham	UK	3	ERR2513893	S	S	S	S	S	S	S
12.0617788	Birmingham	UK	3	ERR2513894	S	S	S	S	S	S	S
15.0613383	Birmingham	UK	3	SAMM07659342	S	S	S	S	S	S	S
16.0607463	Birmingham	UK	4	ERR2513895	S	S	S	S	S	U	S
10.0603200	Birmingham	UK	3	ERR2513896	S	S	S	S	S	S	S
16.0617387	Birmingham	UK	2	ERR2513897	S	S	S	S	S	S	S
15.0607884	Birmingham	UK	4	SAMM07659341	S	S	S	S	S	S	S
13.0612340	Birmingham	UK	3	ERR2513898	R	S	S	S	R	S	S
13.0611032	Birmingham	UK	4	ERR2513899	S	S	S	S	S	S	S
16.0617174	Birmingham	UK	3	ERR2513900	S	S	S	S	S	S	S
13.0606636	Birmingham	UK	1	ERR2513901	S	S	S	S	S	S	S

16.0617626	Birmingham	UK	2	ERR2513902	S	S	S	S	S	S	S	S	S
16.0617180	Birmingham	UK	4 (S-type)	ERR2513903	S	S	S	S	S	S	S	S	S
15.0614985	Birmingham	UK	3	SAMN07659337	S	S	S	S	S	S	S	S	S
16.0607050	Birmingham	UK	3	ERR2513904	S	S	S	S	S	F	S	S	S
15.0601004	Birmingham	UK	4 (X-type)	ERR2513905	S	S	S	S	S	S	S	S	S
13.0611039	Birmingham	UK	3	ERR2513906	S	S	S	S	S	S	S	S	S
12.0613160	Birmingham	UK	4 (Haarlem)	ERR2512395	S	S	S	S	S	S	S	S	S
13.0603127	Birmingham	UK	4 (X-type)	ERR2513908	S	S	S	S	S	S	S	S	S
09.0600593	Birmingham	UK	4 (Haarlem)	ERR2513909	S	S	S	S	S	S	S	S	S
16.0602416	Birmingham	UK	3	SAMN07659330	S	S	n/a	S	S	S	S	S	S
15.0601229	Birmingham	UK	3	ERR2513910	S	S	S	S	S	S	U	S	S
15.0601900	Birmingham	UK	4	SAMN07659329	S	S	S	S	S	S	S	S	S
15.0608493	Birmingham	UK	4	SAMN07659328	S	S	S	S	S	S	S	S	S
16.0618565	Birmingham	UK	3	ERR2513911	S	S	S	S	S	S	S	S	S
16.0608724	Birmingham	UK	4	ERR2513912	S	S	S	S	S	S	S	S	S
15.0613205	Birmingham	UK	1	SAMN07659326	S	S	S	S	S	S	U	S	S
13.0609448	Birmingham	UK	3	ERR2513913	S	S	S	S	R	S	S	S	S
09.0605405	Birmingham	UK	4 (S-type)	ERR2513914	R	S	S	S	R	S	S	S	S
12.0927952	Birmingham	UK	4	ERR2513915	S	S	S	S	S	S	S	S	S
13.0616902	Birmingham	UK	3	ERR2513916	S	S	S	S	S	S	S	S	S
12.0614205	Birmingham	UK	4 (Haarlem)	ERR2513917	S	S	S	S	S	S	S	S	S
15.0613250	Birmingham	UK	3	SAMN07659119	S	S	S	S	S	S	S	S	S
15.0607920	Birmingham	UK	4 (Haarlem)	SAMN07659117	R	R	R	n/a	R	R	R	R	R
09.0600141	Birmingham	UK	3	ERR2513918	S	S	S	S	S	R	S	S	S
16.0618578	Birmingham	UK	4 (Cameroon)	ERR2513919	R	S	S	S	R	S	S	S	S
09.0602405	Birmingham	UK	4 (LAM)	ERR2513920	S	S	S	S	S	S	S	S	S
11.0614093	Birmingham	UK	3	ERR2513921	S	S	S	S	S	S	S	S	S
15.0601787	Birmingham	UK	2	SAMN07659116	S	S	S	S	S	S	S	S	S
15.0607650	Birmingham	UK	2	SAMN07659115	S	S	S	S	S	S	S	S	S
15.0609973	Birmingham	UK	4 (LAM)	SAMN07659114	S	S	S	S	S	S	S	S	S
14.0609405	Birmingham	UK	1	ERR2513922	S	S	S	S	S	S	S	S	S
15.0603619	Birmingham	UK	3	ERR2513923	S	S	S	S	S	S	U	S	S
16.0601275	Birmingham	UK	3	SAMN07659112	S	S	S	S	S	S	S	S	S
16.0607548	Birmingham	UK	4	ERR2513924	S	S	S	S	S	F	S	S	S
16.0618259	Birmingham	UK	3	ERR2513925	S	S	S	S	S	S	S	S	S
13.0609885	Birmingham	UK	1	ERR2513926	S	S	S	S	S	S	S	S	S
13.0613543	Birmingham	UK	4 (Haarlem)	ERR2513927	S	S	S	S	S	S	S	S	S
12.0615299	Birmingham	UK	3	ERR2513928	S	S	S	S	F	S	S	S	S
16.0607510	Birmingham	UK	4	ERR2513929	S	S	S	S	S	S	S	S	S
13.0613549	Birmingham	UK	4 (Haarlem)	ERR2513930	S	S	S	S	S	S	S	S	S
13.0613389	Birmingham	UK	4 (Haarlem)	ERR2513931	S	S	S	S	S	S	S	S	S
15.0601254	Birmingham	UK	4	ERR2513932	S	S	S	S	S	S	S	S	S
15.0613171	Birmingham	UK	2	SAMN07659109	S	S	S	S	S	S	S	S	S
13.0605163	Birmingham	UK	1	ERR2513933	S	S	S	S	S	S	S	S	S
15.0607506	Birmingham	UK	4 (LAM)	SAMN07659108	R	R	n/a	R	R	R	R	R	R
12.0615391	Birmingham	UK	4 (S-type)	ERR2513934	S	S	S	S	S	S	S	S	S
13.0609469	Birmingham	UK	2	ERR2513935	S	S	S	S	S	S	S	S	S
15.0601368	Birmingham	UK	2	ERR2513936	S	S	S	S	S	S	S	S	S
15.0601859	Birmingham	UK	4	SAMN07659105	S	S	S	S	U	S	U	S	S
13.0613271	Birmingham	UK	4	ERR2513937	S	S	S	S	S	S	S	S	S
13.0610503	Birmingham	UK	3	ERR2513938	S	S	S	S	S	S	S	S	S
14.0611573	Birmingham	UK	1	ERR2513939	S	S	S	S	S	S	S	S	S
13.0608000	Birmingham	UK	3	ERR2513940	S	S	S	S	S	S	S	S	S
15.0607186	Birmingham	UK	4 (LAM)	SAMN07659100	S	S	S	S	S	S	S	S	S
16.0601737	Birmingham	UK	3	ERR2513941	S	S	S	S	S	S	S	S	S
15.0607492	Birmingham	UK	4 (X-type)	SAMN07659097	S	S	S	S	S	S	S	S	S
15.0607284	Birmingham	UK	1	SAMN07659096	S	S	S	S	U	S	S	S	S
15.0601223	Birmingham	UK	3	ERR2513942	S	S	S	S	S	S	S	S	S
12.0617796	Birmingham	UK	1	ERR2513943	S	S	S	S	U	S	S	S	S
12.0602344	Birmingham	UK	4 (X-type)	ERR2513944	S	S	S	S	S	R	R	R	S
15.0613522	Birmingham	UK	4 (X-type)	SAMN07659089	S	S	S	S	S	S	S	S	S
09.0600736	Birmingham	UK	1	ERR2513945	S	S	S	S	S	S	S	S	S
14.0613993	Birmingham	UK	4 (LAM)	ERR2513946	S	S	S	S	S	S	S	S	S
12.0617785	Birmingham	UK	4	ERR2513947	S	S	S	S	S	S	S	S	S
16.0618336	Birmingham	UK	1	ERR2513948	S	S	S	S	S	S	S	S	S
14.0606563	Birmingham	UK	3	ERR2513949	S	S	S	S	S	S	S	S	S
16.0607864	Birmingham	UK	2	ERR2513950	R	R	R	S	R	R	R	R	S
15.0601215	Birmingham	UK	2	ERR2513951	S	S	S	S	S	S	S	S	S
12.0611861	Birmingham	UK	3	ERR2513952	S	S	S	S	S	S	S	S	S
16.0607817	Birmingham	UK	4 (S-type)	ERR2513953	S	S	S	S	S	S	S	S	S
15.0607727	Birmingham	UK	3	ERR2513954	R	R	S	S	U	R	S	S	S
16.0617122	Birmingham	UK	4 (LAM)	ERR2513955	S	S	S	S	S	S	S	S	S
12.0616911	Birmingham	UK	4 (Tur)	ERR2513956	S	S	S	S	S	S	S	S	S
14.0611909	Birmingham	UK	4 (X-type)	ERR2513957	R	n/a	S	S	R	R	R	R	R
13.0615143	Birmingham	UK	4	ERR2513958	S	S	S	S	S	S	S	S	S
15.0615037	Birmingham	UK	3	SAMN07659081	S	S	S	S	S	S	S	S	S
17.0601243	Birmingham	UK	4	ERR2513959	S	S	S	n/a	S	S	S	S	S
14.0600165	Birmingham	UK	4 (Haarlem)	ERR2513960	S	S	S	S	S	S	S	S	S
16.0607518	Birmingham	UK	3	ERR2513961	R	S	S	S	R	S	S	F	F
12.0606337	Birmingham	UK	3	ERR2513962	S	S	S	S	S	S	S	S	S
12.0603192	Birmingham	UK	2	ERR2513963	S	S	S	S	S	S	U	S	S
16.0618556	Birmingham	UK	3	ERR2513964	n/a	S	S	S	R	R	R	R	S
14.0610803	Birmingham	UK	1	ERR2513965	S	S	S	S	S	S	S	S	S
15.0613452	Birmingham	UK	4	ERR2513966	S	S	S	S	S	S	S	S	S
13.0611317	Birmingham	UK	4	ERR2513967	S	S	S	S	S	S	S	S	S
13.0616015	Birmingham	UK	4	ERR2513968	S	S	S	S	S	S	S	S	S
15.0607295	Birmingham	UK	2	SAMN07659077	S	S	S	S	S	S	S	S	S
15.0601812	Birmingham	UK	4	SAMN07659075	S	S	S	S	S	S	S	S	S
16.0608345	Birmingham	UK	4	ERR2513969	S	S	S	S	S	S	S	S	S
16.0601600	Birmingham	UK	4 (Haarlem)	ERR2513970	S	S	S	S	S	S	S	S	S
16.0601847	Birmingham	UK	4	ERR2513971	S	S	S	S	S	S	S	S	S
16.0604944	Birmingham	UK	3	ERR2513972	S	S	S	S	S	S	S	S	S
14.0609414	Birmingham	UK	3	ERR2513973	S	S	S	S	S	S	S	U	S
12.0616374	Birmingham	UK	3	ERR2513974	S	S	S	S	S	S	S	S	S
15.0611156	Birmingham	UK	3	SAMN07659069	S	S	S	n/a	S	S	S	R	S
16.0601050	Birmingham	UK	3	SAMN07659066	S	S	S	S	F	S	S	S	S
15.0601023	Birmingham	UK	4	ERR2513976	S	S	S	S	S	S	S	S	S
17.0601096	Birmingham	UK	4 (Tur)	ERR2513977	S	S	n/a	S	S	S	S	S	S
15.0613074	Birmingham	UK	3	SAMN07659064	S	S	S	S	S	S	S	S	S
11.0613996	Birmingham	UK	1	ERR2513978	S	S	S	S	S	S	S	S	S
14.0600349	Birmingham	UK	3	ERR2513979	S	S	S	S	S	S	S	S	S
14.0600196	Birmingham	UK	4	ERR2513980	S	S	S	S	S	S	S	R	S
13.0605835	Birmingham	UK	1	ERR2512597	S	S	S	S	S	S	S	S	U
14.0609829	Birmingham	UK	3	ERR2513981	S	S	S	S	S	S	S	S	S
12.0614690	Birmingham	UK	4 (Tur)	ERR2512399	S	S	S	S	S	S	S	S	S
14.0609201	Birmingham	UK	1	ERR2513982	S	S	S	S	S	S	S	S	S
15.0607453	Birmingham	UK	3	SAMN07659060	S	S	S	S	S	S	S	S	S
15.0613390	Birmingham	UK	4 (Tur)	SAMN07659059	S	S	S	S	S	S	S	S	S
14.0609551	Birmingham	UK	4 (Ural)	ERR2513983	S	S	S	S	S	S	S	S	S
14.0603272	Birmingham	UK	4	SAMN05276450	S	S	S	S	S	S	S	S	S
14.0609979	Birmingham	UK	4 (S-type)	ERR2513984	S	S	S	S	S	S	S	S	S
13.0615983	Birmingham	UK	4 (LAM)	ERR2513985	S	S	S	S	S	S	S	S	S
16.0605745	Birmingham	UK	2	ERR2513986</td									

16.0607888	Birmingham	UK	4 (LAM)	ERR2514084	S	S	S	S	S	S	S	S	S	S
13.0604513	Birmingham	UK	4 (Tur)	ERR2514085	S	S	S	S	S	S	S	S	S	S
15.0601391	Birmingham	UK	3	ERR2514086	S	S	S	S	S	S	S	S	S	S
16.0601418	Birmingham	UK	4 (LAM)	SAMN07658983	n/a	n/a	n/a	S	S	S	S	S	S	R
16.0601487	Birmingham	UK	M. bovis	ERR2514087	S	S	S	R	S	S	S	S	S	R
15.0613462	Birmingham	UK	3	SAMN07658978	S	S	S	S	S	S	S	S	S	S
16.0601668	Birmingham	UK	2	ERR2514088	R	S	R	S	R	S	R	S	R	S
13.0615676	Birmingham	UK	1	ERR2514089	S	S	S	S	S	S	S	S	S	S
16.0607991	Birmingham	UK	1	ERR2514090	S	S	S	S	S	S	S	S	S	S
15.0601490	Birmingham	UK	4	ERR2514091	S	S	S	S	S	S	S	S	S	S
16.0601751	Birmingham	UK	1	ERR2514092	S	S	S	S	n/a	S	S	S	S	S
14.0609961	Birmingham	UK	4 (Haarlem)	ERR2514093	S	S	S	S	S	S	S	S	S	S
14.0600713	Birmingham	UK	4	ERR2514094	R	S	S	S	R	S	S	S	S	S
14.0609079	Birmingham	UK		ERR2514095	S	S	S	S	S	S	S	S	S	S
14.0600341	Birmingham	UK	4 (Haarlem)	ERR2514096	S	S	S	S	S	S	S	U	S	S
14.0600980	Birmingham	UK	2	ERR2513564	R	R	S	R	R	R	R	R	R	R
15.0601178	Birmingham	UK	4 (Haarlem)	ERR2514097	S	S	S	S	S	S	S	S	S	S
16.0606071	Birmingham	UK	4 (Tur)	ERR2514098	S	S	S	S	S	S	S	S	S	S
09.0600851	Birmingham	UK	3	ERR2514099	S	S	S	S	S	S	S	S	S	S
14.0600348	Birmingham	UK	4 (LAM)	ERR2514100	S	S	S	S	S	S	S	S	S	S
15.0601747	Birmingham	UK	1	SAMN07658969	S	S	S	S	S	S	S	S	S	S
14.0609148	Birmingham	UK	4 (Haarlem)	ERR2514101	S	S	S	S	S	S	S	S	S	S
14.0617134	Birmingham	UK	3	ERR2514102	S	S	S	S	S	S	S	S	S	S
13.0615873	Birmingham	UK	4	ERR2514103	S	S	S	S	S	S	S	S	S	S
11.0607519	Birmingham	UK	3	ERR2514104	S	S	S	S	U	S	S	S	S	S
16.0601077	Birmingham	UK		SAMN07658964	S	S	S	S	S	S	S	S	S	S
15.0603414	Birmingham	UK	3	ERR2514105	S	S	S	S	S	S	S	S	S	S
16.0618186	Birmingham	UK	3	ERR2514106	R	R	S	S	R	R	R	R	S	S
15.0614167	Birmingham	UK	4 (Haarlem)	SAMN07658962	S	S	S	S	S	S	S	S	S	S
15.0603042	Birmingham	UK	1	ERR2514107	S	S	S	S	S	S	S	S	S	S
17.0601150	Birmingham	UK	4	ERR2514108	S	S	S	S	S	S	S	S	S	S
16.0607577	Birmingham	UK	2	ERR2514109	S	S	S	S	S	S	S	S	S	S
12.0603488	Birmingham	UK	1	ERR2514110	S	S	S	S	S	S	S	S	S	S
15.0601464	Birmingham	UK	4 (LAM)	ERR2514111	S	S	S	S	S	S	S	U	S	S
15.0601087	Birmingham	UK	4	ERR2514112	S	S	S	S	S	S	S	S	S	S
12.0611245	Birmingham	UK	4	ERR2514113	S	S	S	S	S	S	S	S	S	S
13.0610998	Birmingham	UK	4 (LAM)	ERR2514114	S	S	S	S	S	S	S	S	S	S
15.0609599	Birmingham	UK	1	SAMN07658959	S	S	S	S	S	S	S	S	S	S
12.0615222	Birmingham	UK	3	ERR2514115	S	S	S	S	S	S	S	S	S	S
16.0604350	Birmingham	UK	4 (S-type)	ERR2514116	S	S	S	S	S	S	S	S	S	S
15.0601902	Birmingham	UK	1	SAMN07658958	S	S	S	S	S	S	S	S	S	S
14.0617333	Birmingham	UK	4 (X-type)	ERR2514117	S	S	S	S	S	S	S	S	S	S
16.0601433	Birmingham	UK	4 (Cameroon)	ERR2514118	S	S	S	S	S	S	S	S	S	S
16.0606072	Birmingham	UK	4 (Cameroon)	ERR2514119	S	S	S	S	S	S	S	S	S	S
16.0601738	Birmingham	UK	4 (Ural)	ERR2514120	R	S	S	S	R	S	S	S	S	S
14.0600320	Birmingham	UK	3	ERR2513372	S	S	S	S	S	S	S	S	S	S
14.0610986	Birmingham	UK	3	ERR2514121	S	S	S	S	S	S	S	U	S	S
12.0611854	Birmingham	UK	4 (LAM)	ERR2514122	S	S	S	S	S	S	S	S	S	S
14.0603920	Birmingham	UK	2	ERR2514123	R	R	R	S	R	R	R	R	U	S
16.0608817	Birmingham	UK	2	ERR2514124	S	S	S	S	S	S	S	S	S	S
16.0601203	Birmingham	UK	4 (S-type)	SAMN07658951	S	S	S	S	S	S	S	S	S	S
15.0607721	Birmingham	UK	4 (X-type)	SAMN07658949	S	S	S	S	S	S	S	S	S	S
15.0609621	Birmingham	UK	3	SAMN07658947	S	S	S	S	S	S	S	S	S	S
16.0609467	Birmingham	UK	3	ERR2514125	S	S	S	S	S	S	S	S	S	S
16.0607021	Birmingham	UK	4 (Cameroon)	ERR2514126	S	S	S	S	S	S	S	S	S	S
13.0603086	Birmingham	UK	3	ERR2514127	S	S	S	S	S	S	S	S	S	S
13.0605666	Birmingham	UK	5	ERR2514128	S	S	S	S	S	S	S	U	S	S
13.0604549	Birmingham	UK	4 (LAM)	ERR2514129	S	S	S	S	S	S	S	S	S	S
14.0606539	Birmingham	UK	4 (LAM)	ERR2514130	S	S	S	S	S	S	S	S	S	S
13.0607143	Birmingham	UK	3	ERR2514131	S	S	S	S	S	S	S	S	S	S
13.0615934	Birmingham	UK	4 (Cameroon)	ERR2514132	S	S	S	S	S	S	S	S	S	S
14.0609500	Birmingham	UK	4 (LAM)	ERR2514133	S	S	S	S	S	S	S	S	S	S
15.0607031	Birmingham	UK	4	SAMN07658942	S	S	S	S	S	S	S	S	S	S
15.0611576	Birmingham	UK	4	SAMN07658941	S	S	S	S	S	S	S	S	S	S
13.0612178	Birmingham	UK	3	ERR2514134	S	S	S	S	S	S	S	S	S	S
14.0610315	Birmingham	UK	3	ERR2514135	S	S	S	S	S	S	S	S	S	S
15.0601806	Birmingham	UK	3	SAMN07658936	S	S	S	S	n/a	S	S	S	S	S
14.0608099	Birmingham	UK	3	ERR2514136	S	S	S	S	S	S	S	S	S	S
15.0613555	Birmingham	UK	3	SAMN07658935	S	S	S	S	S	S	S	S	S	S
16.0608342	Birmingham	UK	2	ERR2514137	n/a	n/a	S	R	R	R	S	R	S	R
13.0613460	Birmingham	UK	4 (Haarlem)	ERR2513209	S	S	S	S	S	S	S	S	S	S
16.0617188	Birmingham	UK	3	ERR2514138	S	S	S	S	S	S	S	U	S	S
13.0602829	Birmingham	UK	4 (Haarlem)	ERR2514139	S	S	S	S	S	S	S	S	S	S
14.0608783	Birmingham	UK	4 (LAM)	ERR2514140	S	S	S	S	S	S	S	S	S	S
13.0606483	Birmingham	UK	3	ERR2514141	S	S	S	S	S	S	S	S	U	S
15.0607440	Birmingham	UK	3	SAMN07658929	S	S	S	S	S	S	S	S	S	S
16.0607478	Birmingham	UK	1	ERR2514142	R	S	S	S	R	S	S	S	S	S
12.0612396	Birmingham	UK	3	ERR2514143	S	S	S	S	S	S	S	S	S	S
15.0607276	Birmingham	UK	3	SAMN07658927	S	S	S	S	S	S	S	S	S	S
12.0609606	Birmingham	UK	M. bovis	ERR2514144	S	S	S	S	R	S	S	S	S	R
16.0600263	Birmingham	UK	4	SAMN07658926	S	S	S	S	S	S	S	S	S	S
15.0607847	Birmingham	UK	3	SAMN07658925	S	S	S	S	S	S	S	S	S	S
12.0611908	Birmingham	UK	4	ERR2514145	S	S	S	S	S	S	S	S	S	S
14.0602314	Birmingham	UK	M. orygis	SAMN05276469	S	S	S	S	S	S	S	S	S	S
16.0618554	Birmingham	UK	4 (Haarlem)	ERR2514146	S	S	S	S	S	S	S	S	S	S
13.0615042	Birmingham	UK	4	ERR2514147	S	S	S	S	S	S	S	S	S	S
16.0606603	Birmingham	UK	4 (Haarlem)	ERR2514148	S	S	S	S	S	S	S	S	S	S
13.0600320	Birmingham	UK	3	ERR2512408	S	S	S	S	S	S	S	U	S	S
14.0600079	Birmingham	UK	1	ERR2514149	S	S	S	S	S	S	S	S	S	S
16.0600486	Birmingham	UK	4 (LAM)	ERR2514150	S	S	S	S	S	S	S	S	S	S
15.0607028	Birmingham	UK	4 (Tur)	SAMN07658923	S	S	S	S	S	S	S	S	S	S
14.0617190	Birmingham	UK	3	ERR2514151	S	S	S	S	S	S	S	S	S	R
13.0611314	Birmingham	UK	3	ERR2514152	S	S	S	S	S	S	S	S	S	S
13.0606634	Birmingham	UK	3	ERR2514153	S	S	S	S	S	S	S	S	S	F
14.0601471	Birmingham	UK	3	SAMN07658922	S	S	S	S	S	S	S	U	S	S
14.0604530	Birmingham	UK	4 (Haarlem)	SAMN05276471	S	S	S	S	S	S	S	S	S	S
13.0611014	Birmingham	UK	1	ERR2513017	S	S	S	S	S	S	S	S	S	S
14.0611712	Birmingham	UK	1	ERR2514154	S	S	S	S	S	S	S	S	S	S
13.0611912	Birmingham	UK	4 (X-type)	ERR2514155	R	S	R	S	R	R	S	R	S	S
13.0616046	Birmingham	UK	4 (S-type)	ERR2514156	R	S	S	S	R	S	R	S	U	S
16.0601693	Birmingham	UK	2	ERR2514157	R	S	S	S	R	R	R	R	R	F
16.0601130	Birmingham	UK	4	SAMN07658916	R	n/a	R	R	R	R	R	R	R	F
15.0601903	Birmingham	UK	4 (X-type)	SAMN07658912	S	S	S	S	S	S	S	S	U	S
09.0603987	Birmingham	UK	3	ERR2514158	S	S	S	S	S	S	S	S	S	S
14.0605673	Birmingham	UK	2	ERR2514159	R	R	S	R	F	R	F	R	S	
14.0600457	Birmingham	UK	4 (LAM)	ERR2514160	S	S	S	S	S	S	S	S	S	S
16.0618129	Birmingham	UK	4 (Haarlem)	ERR2514161	S	S	S	S						

15.0601344	Birmingham	UK	3	ERR2514170	S	S	S	S	S	S	S	S	S
14.0616061	Birmingham	UK	4 (LAM)	ERR2514171	S	S	S	S	S	S	S	S	S
15.0609362	Birmingham	UK	4 (LAM)	SAMN07658894	S	S	S	S	S	S	S	S	S
13.0612134	Birmingham	UK	M. orygis	ERR2514172	S	S	S	S	S	S	S	S	S
15.0607723	Birmingham	UK	4	SAMN07658892	S	S	S	S	S	S	S	S	S
15.0601297	Birmingham	UK	4	ERR2514173	S	S	S	S	S	S	F	S	S
15.0608042	Birmingham	UK	4 (Haarlem)	SAMN07658891	S	S	S	S	S	S	S	S	S
15.0601129	Birmingham	UK	4 (Tur)	ERR2514174	S	S	S	S	S	S	U	S	S
13.0613350	Birmingham	UK	4 (LAM)	ERR2513073	S	S	S	S	S	S	S	S	S
15.0613082	Birmingham	UK		ERR2514175	S	S	S	S	S	S	S	S	S
14.0600044	Birmingham	UK	3	ERR2514176	S	S	S	S	S	S	S	S	S
12.0611244	Birmingham	UK	4	ERR2514177	S	S	S	S	R	S	S	S	S
16.0618065	Birmingham	UK	M. orygis	ERR2514178	n/a	n/a	n/a	S	S	F	U	S	S
13.0611305	Birmingham	UK	3	ERR2514179	S	S	S	S	S	S	S	S	S
12.0609357	Birmingham	UK	4 (LAM)	ERR2514180	S	S	S	S	S	S	S	S	S
15.0601208	Birmingham	UK	1	ERR2514181	S	S	S	S	S	F	U	S	S
14.0616190	Birmingham	UK	3	ERR2514182	S	S	S	S	S	S	S	S	S
16.0602593	Birmingham	UK	3	ERR2514183	S	S	S	S	S	S	S	S	S
12.0927948	Birmingham	UK	3	ERR2514184	S	S	S	S	S	S	U	S	S
15.0607352	Birmingham	UK		SAMN07658886	n/a	n/a	n/a	S	S	S	S	S	S
13.0611004	Birmingham	UK	2	ERR2514185	S	S	S	S	S	S	S	S	S
15.0607995	Birmingham	UK	4	SAMN07658885	S	S	S	S	S	S	S	S	S
12.0612427	Birmingham	UK	4 (X-type)	ERR2514186	S	S	S	S	S	S	S	S	S
12.0613161	Birmingham	UK	4 (X-type)	ERR2514187	S	S	S	S	S	S	S	S	S
12.0601794	Birmingham	UK	3	ERR2514188	R	S	S	S	R	S	S	S	S
14.0600954	Birmingham	UK	4	ERR2514189	S	S	S	S	S	S	S	S	S
09.0607277	Birmingham	UK	1	ERR2514190	R	S	S	S	R	S	S	S	S
15.0602437	Birmingham	UK	M. bovis	ERR2514191	S	S	S	R	S	S	U	R	S
13.0609490	Birmingham	UK	1	ERR2514192	S	S	S	S	S	S	S	S	S
16.0610042	Birmingham	UK	M. caprae	ERR2514193	S	S	S	S	F	F	S	S	S
16.0600367	Birmingham	UK	3	SAMN07658879	S	S	S	S	S	S	S	S	S
15.0607150	Birmingham	UK	2	SAMN07658878	S	S	S	S	F	F	S	S	S
15.0613374	Birmingham	UK	4 (Cameroon)	SAMN07658877	S	S	S	S	S	S	S	S	S
14.0615239	Birmingham	UK	4 (X-type)	ERR2514194	S	S	S	S	S	S	S	S	S
12.0611833	Birmingham	UK	3	ERR2514195	S	S	S	S	S	S	S	S	S
14.0609327	Birmingham	UK	4 (LAM)	ERR2514196	S	S	S	S	S	S	S	S	S
13.0603131	Birmingham	UK	1	ERR2514197	S	S	S	S	S	S	U	F	S
10.0603693	Birmingham	UK	4	ERR2514198	S	S	S	S	S	S	S	S	S
15.0613240	Birmingham	UK	3	SAMN07658875	S	S	S	S	S	S	S	S	S
12.0617130	Birmingham	UK	4 (X-type)	ERR2514199	S	S	S	S	S	S	S	S	S
16.0618058	Birmingham	UK	1	ERR2514200	R	S	S	S	R	S	S	S	S
12.0616915	Birmingham	UK	4 (Haarlem)	ERR2514201	S	S	S	S	S	S	S	S	S
15.0613098	Birmingham	UK	4 (X-type)	SAMN07658873	S	S	S	S	S	S	S	S	S
13.0603889	Birmingham	UK	1	ERR2514202	S	S	S	S	S	S	S	S	S
13.0613233	Birmingham	UK	4 (Haarlem)	ERR2514203	S	S	S	S	S	S	S	S	S
14.0609944	Birmingham	UK	1	ERR2514204	S	S	S	S	S	S	U	S	S
15.0607109	Birmingham	UK	M. orygis	SAMN07658872	S	S	S	S	n/a	S	S	U	S
15.0601384	Birmingham	UK	5	ERR2514205	S	S	S	S	S	S	U	S	S
12.0926034	Birmingham	UK	6	ERR2514206	S	S	S	S	S	S	U	U	S
16.0605316	Birmingham	UK	4 (LAM)	ERR2514207	S	S	S	S	S	S	S	S	S
12.0610727	Birmingham	UK	4	ERR2514208	S	S	S	S	S	S	S	S	S
13.0613258	Birmingham	UK	4 (Ural)	ERR2514209	S	S	S	S	S	S	S	S	S
16.0607471	Birmingham	UK	1	ERR2514210	S	S	S	S	n/a	S	S	S	S
14.0609775	Birmingham	UK	3	ERR2514211	S	S	S	S	S	S	S	S	S
15.0607799	Birmingham	UK	3	SAMN07658868	S	S	S	S	S	S	S	S	S
15.0613025	Birmingham	UK	4	SAMN07658867	S	S	S	S	S	S	S	S	S
13.0611248	Birmingham	UK	4 (S-type)	ERR2514212	S	S	S	S	S	S	S	S	S
14.0614424	Birmingham	UK	3	ERR2514213	S	S	S	S	S	S	S	S	S
13.0613513	Birmingham	UK	4	ERR2514214	S	S	S	S	S	S	S	S	S
16.0618114	Birmingham	UK	2	ERR2514215	S	S	S	S	S	S	U	S	S
14.0615390	Birmingham	UK	3	ERR2513853	S	S	S	S	F	S	S	F	S
16.0601429	Birmingham	UK	3	SAMN07658864	S	S	S	S	S	S	S	S	S
16.0605928	Birmingham	UK	3	ERR2514216	S	S	S	S	S	S	S	S	S
16.0603458	Birmingham	UK	3	ERR2514217	S	S	S	S	S	S	S	S	S
16.0618452	Birmingham	UK	4	ERR2514218	S	S	S	S	S	S	S	S	S
15.0613274	Birmingham	UK	4 (Haarlem)	SAMN07658863	S	S	S	S	S	S	S	S	S
13.0608751	Birmingham	UK	4 (Cameroon)	ERR2514219	S	S	S	S	S	S	U	S	S
15.0601567	Birmingham	UK	4 (Ural)	SAMN07658862	R	S	S	S	R	S	S	S	S
12.0611799	Birmingham	UK	1	ERR2514220	S	S	n/a	S	S	S	S	S	S
14.0600486	Birmingham	UK	4 (Haarlem)	ERR2514221	S	S	S	S	S	S	S	S	S
14.0613401	Birmingham	UK	1	ERR2514222	S	S	S	S	S	S	S	S	S
12.0927461	Birmingham	UK	3	ERR2514223	S	S	S	S	S	S	U	S	S
15.0613377	Birmingham	UK	3	SAMN07658859	S	S	S	S	S	S	S	S	U
13.0609796	Birmingham	UK	3	ERR2514224	S	S	S	S	S	S	S	S	S
15.0613357	Birmingham	UK	3	SAMN07658858	S	S	S	S	S	S	U	S	S
12.0608703	Birmingham	UK	3	ERR2514225	S	S	S	S	S	S	U	S	S
13.0610990	Birmingham	UK	1	ERR2512984	S	S	S	S	S	S	S	S	S
14.0610389	Birmingham	UK	2	ERR2514226	S	S	S	S	S	S	S	S	S
13.0607698	Birmingham	UK	3	ERR2514227	S	S	S	S	S	S	S	S	S
16.0601836	Birmingham	UK	4	ERR2514228	S	S	S	S	S	S	U	S	S
12.0609803	Birmingham	UK	1	ERR2514229	S	S	S	S	S	S	S	S	S
16.0606023	Birmingham	UK	3	ERR2514230	S	S	S	S	n/a	S	S	S	S
15.0601042	Birmingham	UK	4	ERR2514231	S	S	S	S	S	S	S	S	S
16.0600445	Birmingham	UK	4 (S-type)	SAMN07658856	S	S	S	S	S	S	S	S	S
14.0609651	Birmingham	UK	4 (Tur)	ERR2514232	S	S	S	S	S	S	S	S	S
15.0601234	Birmingham	UK	3	ERR2514233	S	S	S	S	S	S	S	S	S
16.0602240	Birmingham	UK	4 (LAM)	ERR2514234	S	S	S	S	S	S	S	S	S
14.0600247	Birmingham	UK	4	ERR2514235	S	S	S	S	S	S	S	S	S
13.0606720	Birmingham	UK	3	ERR2512663	S	S	S	S	S	S	S	S	S
12.0610018	Birmingham	UK	3	ERR2514236	S	S	S	S	S	S	S	S	S
14.0600999	Birmingham	UK	1	ERR2514237	S	S	S	S	S	S	S	S	S
14.0607955	Birmingham	UK	3	ERR2514238	S	S	S	S	S	S	S	S	S
15.0609429	Birmingham	UK	2	SAMN07658851	R	R	S	n/a	R	R	S	R	S
14.0600262	Birmingham	UK	4	ERR2514239	S	S	S	S	S	S	S	S	S
15.0607726	Birmingham	UK	2	ERR2514240	R	R	R	R	R	R	R	R	R
15.0601690	Birmingham	UK	4	ERR2514241	S	S	S	S	S	S	S	S	S
15.0605467	Birmingham	UK	4 (LAM)	SAMN07658849	S	S	S	S	S	S	S	S	S
12.0616927	Birmingham	UK	3	ERR2514242	S	S	S	S	S	S	S	S	S
14.0600847	Birmingham	UK	4	ERR2514243	S	S	S	S	S	S	S	S	S
13.0613569	Birmingham	UK	3	ERR2514244	R	S	S	S	R	S	S	S	S
13.0612190	Birmingham	UK	3	ERR2513021	S	S	S	S	S	S	S	S	U
13.0605695	Birmingham	UK	4	ERR2514245	S	S	S	S	S	S	S	S	S
15.0601954	Birmingham	UK	Ghana	SAMN07658848	R	S	S	S	S	S	S	S	S
16.0607415	Birmingham	UK	3	ERR2514246	S	S	S	S	S	S	S	S	S
11.0610283	Birmingham	UK	1	ERR2514247	S	S	S	S	S	S	S	S	S
13.0613558	Birmingham	UK	4 (Haarlem)	ERR2514248	S	S	S	S	S	S	S	S	S
10.0608154	Birmingham	UK	4	ERR2514249	S	S	S	S	S	S	S	S	S
15.0616215	Birmingham	UK	2	SAMN07658846	R	R	R	n/a	R	R	R	R	R
16.0618432	Birmingham	UK	3	ERR2514250	S	S	S	S	S	S	S	S	S
09.060944	Birmingham	UK	2	ERR2514251	S	S	S	S	S	S	S	S	S
15.0601749	Birmingham	UK	1	SAMN07658845	S	S	S	S	S	S	S	S	S
14.0602433	Birmingham	UK	4	ERR2514252	S	S	S	S	S	S	S	S	S
14.0604817	Birmingham	UK		ERR2514253	S								

13.0612963	Birmingham	UK	1	ERR2514260	S	S	S	S	S	S	S	S	S	S
16.0618136	Birmingham	UK	3	ERR2514261	S	S	S	S	S	S	S	U	S	S
13.0602595	Birmingham	UK	4	ERR2514262	S	S	S	S	S	S	S	S	S	S
16.0601783	Birmingham	UK	4 (Haarlem)	ERR2514263	S	S	S	S	S	S	S	S	S	S
13.0610738	Birmingham	UK	3	ERR2514264	S	S	S	S	S	S	S	S	S	S
15.0607828	Birmingham	UK	4 (X-type)	SAMN07658836	S	S	S	S	S	S	S	U	S	S
13.0605102	Birmingham	UK	3	ERR2514265	S	S	S	S	S	S	S	S	S	S
14.0601953	Birmingham	UK	3	ERR2514266	S	S	S	S	S	S	S	S	S	S
13.0615533	Birmingham	UK	2	ERR2514267	R	R	S	S	R	F	R	U	S	S
13.0613447	Birmingham	UK	4	ERR2514268	S	S	S	S	S	S	S	S	S	S
14.0609187	Birmingham	UK	3	ERR2514269	S	S	S	S	S	S	S	S	S	S
16.0618482	Birmingham	UK	2	ERR2514270	S	S	S	S	S	S	S	S	S	S
13.0610414	Birmingham	UK	3	ERR2514271	S	S	S	S	S	S	S	S	S	S
15.0601442	Birmingham	UK	3	SAMN07658831	S	S	S	S	S	S	S	S	S	S
15.0607282	Birmingham	UK	4 (Haarlem)	SAMN07658830	S	S	S	S	S	S	S	S	S	S
16.0607746	Birmingham	UK	4 (LAM)	ERR2514272	S	S	S	S	S	S	S	S	S	S
14.0600249	Birmingham	UK	4	ERR2514273	S	S	S	S	S	S	S	S	S	S
16.0607886	Birmingham	UK	4	ERR2514274	S	S	S	S	S	S	S	S	S	S
15.0602331	Birmingham	UK	4	ERR2514275	n/a	n/a	n/a	S	S	S	S	S	S	S
16.0607624	Birmingham	UK	4	ERR2514276	S	S	S	S	S	S	S	S	S	S
16.0607060	Birmingham	UK	4 (Haarlem)	ERR2514277	S	S	S	S	S	F	S	S	S	S
14.0616112	Birmingham	UK	3	ERR2514278	S	S	S	S	S	S	S	S	S	S
14.0605394	Birmingham	UK	3	ERR2514279	S	S	S	S	S	S	S	S	S	S
12.0611871	Birmingham	UK	4	ERR2514280	S	S	S	S	S	S	S	U	S	S
15.0607356	Birmingham	M. bovis	SAMN07658827	S	S	S	R	S	S	S	S	R	S	S
16.0607739	Birmingham	UK	4 (LAM)	ERR2514281	S	S	S	S	S	S	S	S	S	S
14.0600763	Birmingham	UK	2	ERR2514282	S	S	S	S	S	S	S	S	S	S
14.0614124	Birmingham	UK	3	ERR2514283	S	S	S	S	S	S	S	S	S	S
10.0611737	Birmingham	UK	3	ERR2514284	S	S	S	S	S	S	S	S	S	S
13.0613108	Birmingham	M. bovis	ERR2514285	S	S	S	R	S	S	U	R	S	S	
13.0600594	Birmingham	UK	3	ERR2514286	S	S	S	S	S	S	S	S	S	S
15.0601761	Birmingham	UK	3	SAMN07658821	S	S	S	S	S	S	S	S	S	S
15.0607496	Birmingham	UK	3	SAMN07658820	S	S	S	S	S	S	S	S	S	S
14.0600403	Birmingham	UK	3	ERR2514287	S	S	S	S	S	S	S	S	S	S
15.0602317	Birmingham	UK	2	ERR2514288	R	S	R	S	R	S	R	S	S	S
13.0613398	Birmingham	UK	3	ERR2514289	S	S	S	S	S	S	S	S	S	S
16.0602440	Birmingham	UK	4 (LAM)	SAMN07658817	S	S	S	S	S	S	S	S	S	S
15.0613467	Birmingham	UK	3	SAMN07658816	S	S	S	S	S	F	S	F	S	F
16.0601574	Birmingham	UK	4 (Haarlem)	ERR2514290	S	S	S	S	S	S	S	S	S	S
16.0617159	Birmingham	UK	4 (Ural)	ERR2514291	R	S	S	S	R	S	S	S	S	S
14.0609262	Birmingham	UK	3	ERR2514292	S	S	S	S	S	S	S	S	S	S
15.0601860	Birmingham	UK	4 (S-type)	SAMN07658809	S	S	S	S	S	S	S	U	S	S
10.0605875	Birmingham	UK	1	ERR2514293	R	S	S	S	R	S	S	S	S	S
14.0600508	Birmingham	UK	1	ERR2514294	S	S	S	S	S	S	S	S	S	S
14.0605011	Birmingham	UK	3	ERR2514295	R	S	S	S	R	S	S	S	S	S
14.0600837	Birmingham	UK	3	ERR2514296	S	S	S	S	S	S	S	S	S	S
14.0600257	Birmingham	UK	3	ERR2514297	S	S	S	S	S	S	S	S	S	S
15.0601481	Birmingham	UK	1	ERR2514298	S	S	S	S	S	S	S	S	S	S
14.0602173	Birmingham	UK	4 (Cameroon)	SAMN05276482	S	S	S	S	S	S	S	S	S	S
13.0605489	Birmingham	UK	4	ERR2514299	S	S	S	S	S	S	S	S	S	S
15.0607499	Birmingham	UK	3	SAMN07658807	S	S	S	S	S	S	S	S	S	S
14.0600939	Birmingham	UK	3	ERR2514300	S	S	S	S	S	S	S	S	S	S
16.0607802	Birmingham	UK	2	ERR2514301	S	S	S	S	S	S	S	U	U	U
14.0609469	Birmingham	UK	4 (Cameroon)	ERR2514302	S	S	S	S	S	S	S	S	S	S
16.061887	Birmingham	UK	1	ERR2514303	S	S	S	S	S	S	S	S	S	S
14.0609103	Birmingham	UK	4 (Haarlem)	ERR2514304	S	S	S	S	S	S	S	S	S	S
16.0607723	Birmingham	UK	3	ERR2514305	S	S	S	S	S	S	S	S	S	S
15.0601958	Birmingham	UK	1	SAMN07658804	S	S	S	n/a	S	S	S	S	S	S
16.0604554	Birmingham	UK	4 (X-type)	ERR2514306	S	S	S	S	S	S	S	U	S	S
13.061564	Birmingham	UK	4 (Haarlem)	ERR2514307	S	S	S	S	S	S	S	S	S	S
16.0618611	Birmingham	UK	3	ERR2514308	S	S	S	S	S	S	S	S	S	S
15.0607053	Birmingham	UK	4 (LAM)	SAMN07658803	S	S	S	S	S	S	S	S	S	S
12.0608996	Birmingham	UK	3	ERR2514309	S	S	S	S	S	S	S	S	S	S
16.0603633	Birmingham	UK	4 (X-type)	ERR2514310	S	S	S	S	S	S	S	S	S	S
13.0609851	Birmingham	UK	4	ERR2514311	S	S	S	S	S	S	S	S	S	S
12.0612506	Birmingham	UK	4 (S-type)	ERR2514312	S	S	S	S	S	S	S	S	S	S
14.0600029	Birmingham	UK	4	ERR2514313	S	S	S	S	S	S	S	S	S	S
14.0600698	Birmingham	UK	4 (S-type)	ERR2514314	S	S	S	S	S	S	S	U	S	S
16.0617531	Birmingham	UK	3	ERR2514315	S	S	S	S	S	S	S	S	S	S
16.0618429	Birmingham	UK	4 (X-type)	ERR2514316	S	S	S	S	S	S	S	S	S	S
15.0601367	Birmingham	UK	1	ERR2514317	S	S	S	S	S	S	S	S	S	S
14.0610446	Birmingham	UK	3	ERR2514318	S	S	S	S	S	S	S	S	S	S
15.0600510	Birmingham	UK	4 (LAM)	ERR2514319	S	S	S	S	S	S	S	S	S	S
12.0927854	Birmingham	UK	4 (LAM)	ERR2514320	S	S	S	S	S	S	S	S	S	S
13.0611009	Birmingham	UK	3	ERR2514321	S	S	S	S	S	S	S	S	S	S
15.0611920	Birmingham	UK	4	SAMN07658797	S	S	S	S	S	S	S	S	S	S
15.0601914	Birmingham	UK	4 (Haarlem)	SAMN07658795	S	S	S	S	S	S	S	U	S	S
12.0927024	Birmingham	UK	4	ERR2514322	S	S	S	S	S	S	S	S	S	S
12.0611788	Birmingham	UK	3	ERR2514323	S	S	S	S	S	S	S	S	S	S
13.0613521	Birmingham	UK	4	ERR2514324	S	S	S	S	S	S	S	U	S	S
16.0618193	Birmingham	UK	3	ERR2514325	S	S	S	S	S	S	S	S	S	S
16.0601070	Birmingham	UK	4	ERR2514326	S	S	S	S	S	S	S	S	S	S
15.0601745	Birmingham	UK	4	ERR2514327	R	S	S	S	F	F	F	F	F	F
16.0617146	Birmingham	UK	4 (Haarlem)	ERR2514328	S	S	S	S	S	S	S	S	S	S
13.0609429	Birmingham	UK	3	ERR2514329	S	S	S	S	S	S	S	S	S	S
14.0615561	Birmingham	UK	3	ERR2514330	S	S	S	n/a	S	S	S	S	S	S
14.0600604	Birmingham	UK	4 (X-type)	ERR2514331	S	S	S	S	S	S	S	S	S	S
10.0607622	Birmingham	UK	1	ERR2514332	S	S	S	S	S	S	S	S	S	S
15.0607700	Birmingham	UK	4 (LAM)	SAMN07658786	S	S	S	F	S	S	S	S	S	S
13.0613502	Birmingham	UK	4 (LAM)	ERR2514333	S	S	S	S	S	S	S	S	S	S
11.0601003	Birmingham	UK	3	ERR2514334	S	S	S	S	S	S	S	S	S	S
16.0607382	Birmingham	UK	4 (X-type)	ERR2514335	S	S	S	S	S	S	S	S	S	S
13.0616419	Birmingham	UK	1	ERR2514336	S	S	S	S	S	S	S	S	S	S
12.0614543	Birmingham	UK	4	ERR2514337	S	S	S	S	S	S	S	U	S	S
13.0607977	Birmingham	UK	3	ERR2514338	S	S	S	S	S	S	S	S	S	S
12.0613614	Birmingham	UK	4	ERR2514339	S	S	S	S	S	S	S	S	S	S
13.0602840	Birmingham	UK	4	ERR2514340	S	S	S	S	S	S	S	S	S	S
15.0607504	Birmingham	UK	3	SAMN07658781	S	S	S	S	S	S	S	S	S	S
15.0601363	Birmingham	UK	3	SAMN07658780	S	S	S	S	S	S	S	S	S	S
15.0613217	Birmingham	UK	4 (S-type)	SAMN07658779	S	S	S	S	S	S	S	S	S	S
15.0607497	Birmingham	UK	3	SAMN07658777	S	S	S	S	S	S	S	S	S	S
15.0601033	Birmingham	UK	4 (LAM)	ERR2514340	R	S	S	S	R	S	S	S	U	S
15.0601889	Birmingham	UK	4 (LAM)	SAMN07658775	S	S	S	S	S	S	S	S	S	S
13.0606701	Birmingham	UK	1	ERR2514341	S	S	S	S	S	S	S	S	S	S
14.0603858	Birmingham	UK	3	SAMN05276489	S	S	S	S	S	S	S	S	S	S
16.0601327	Birmingham	UK	3	ERR2514342	S	S	S	S	S	S	S	S	S	S
16.0601974	Birmingham	UK	3	ERR2514343	S	S	S	S	S	S	S	S	S	S

15.0607494	Birmingham	UK	3	SAMN07658764	S	S	S	S	S	S	S	S	S
15.0613336	Birmingham	UK	4 (LAM)	SAMN07658762	S	S	S	S	S	S	S	S	S
14.0601935	Birmingham	UK	4	ERR2514356	S	S	S	S	S	S	S	S	S
13.0605770	Birmingham	UK	4	ERR2512589	S	S	S	S	S	S	S	S	S
16.0607519	Birmingham	UK	2	ERR2514357	S	S	S	S	S	S	S	U	S
13.0612115	Birmingham	UK	3	ERR2514358	S	S	S	S	S	S	S	S	S
12.0611454	Birmingham	UK	4 (S-type)	ERR2514359	S	S	S	S	S	S	S	S	R
13.0610491	Birmingham	UK	4 (Tur)	ERR2514360	S	S	S	S	S	S	S	S	S
16.0607017	Birmingham	UK	3	ERR2514361	S	S	S	S	S	S	S	S	S
14.0600521	Birmingham	UK	2	ERR2514362	n/a	n/a	n/a	S	S	S	S	S	S
14.0600537	Birmingham	UK	3	ERR2514363	S	S	S	S	S	S	S	S	S
15.0604342	Birmingham	UK	4	ERR2514364	S	S	S	S	S	S	S	S	S
15.0613195	Birmingham	UK	4	SAMN07658759	S	S	S	S	S	S	S	S	S
14.0609004	Birmingham	UK	4	ERR2514365	S	S	S	S	S	S	S	S	R
16.0603017	Birmingham	UK	3	ERR2514366	S	S	S	S	S	S	S	S	S
16.0601439	Birmingham	UK	Ghana	SAMN07658755	R	S	S	S	R	S	S	S	S
12.0616622	Birmingham	UK	4	ERR2514367	S	S	S	S	S	S	S	S	S
14.0616168	Birmingham	UK	4	ERR2514368	S	S	S	S	S	S	S	S	S
15.0607865	Birmingham	UK	4 (X-type)	SAMN07658753	S	S	S	S	S	S	S	S	S
16.0601538	Birmingham	UK	3	ERR2514369	S	S	S	S	S	S	S	S	S
14.0608087	Birmingham	UK	4 (LAM)	ERR2514370	S	S	S	S	S	S	S	S	S
12.0612525	Birmingham	UK	1	ERR2514371	S	S	S	S	S	S	U	S	S
14.0614425	Birmingham	UK	2	ERR2514372	S	S	S	S	S	S	S	S	S
15.0608520	Birmingham	UK	4 (X-type)	SAMN07658746	S	S	S	S	n/a	S	S	S	R
11.0602681	Birmingham	UK	3	ERR2514373	S	S	S	S	S	S	S	S	S
11.0612547	Birmingham	UK	4 (S-type)	ERR2514374	S	S	S	S	S	S	S	S	S
14.0609114	Birmingham	UK	4	ERR2514375	S	S	S	S	S	S	U	S	S
16.0601250	Birmingham	UK	4 (Haarlem)	SAMN07658744	R	S	S	S	R	S	R	S	S
12.0616631	Birmingham	UK	4 (Haarlem)	ERR2514376	S	S	S	S	S	S	S	S	S
16.0601658	Birmingham	UK	4	ERR2514377	S	S	S	S	S	U	S	S	S
12.0614963	Birmingham	UK	4	ERR2514378	S	S	S	S	S	S	S	S	S
14.0609008	Birmingham	UK	4	ERR2514379	S	S	S	S	n/a	S	S	S	S
11.0615660	Birmingham	UK	3	ERR2514380	S	S	S	S	S	S	S	S	S
16.0601304	Birmingham	UK	3	SAMN07658738	S	S	S	S	S	S	S	S	S
15.0602532	Birmingham	UK	4 (Haarlem)	ERR2514381	R	S	S	S	R	S	S	S	S
14.0600783	Birmingham	UK	4 (Haarlem)	ERR2514382	S	S	S	S	S	S	S	S	S
14.0600803	Birmingham	UK	1	ERR2514383	S	S	S	S	S	S	S	S	S
12.0927480	Birmingham	UK	3	ERR2514384	S	S	S	S	S	S	U	S	S
14.0612233	Birmingham	UK	1	ERR2514385	S	S	S	S	S	S	U	S	S
15.0607106	Birmingham	UK	1	SAMN07658735	S	S	S	S	S	S	S	S	S
14.0600568	Birmingham	UK	4 (LAM)	ERR2514386	S	S	S	S	S	S	S	S	S
12.0616918	Birmingham	UK	3	ERR2514387	S	S	S	S	S	S	U	S	S
15.0601824	Birmingham	UK	3	SAMN07658733	S	S	S	S	S	S	S	S	S
13.0608728	Birmingham	UK	3	ERR2514388	n/a	n/a	n/a	S	S	S	S	S	S
16.0607212	Birmingham	UK	3	ERR2514389	S	S	S	S	S	F	S	S	S
16.0618385	Birmingham	UK	3	ERR2514390	S	S	S	S	n/a	F	F	U	S
12.0613605	Birmingham	UK	6	ERR2514391	S	S	S	S	S	S	U	U	S
14.0600933	Birmingham	UK	1	ERR2514392	S	S	S	S	S	S	S	S	S
15.0600918	Birmingham	UK	4 (X-type)	ERR2514393	S	S	S	S	S	S	S	S	S
16.0601766	Birmingham	UK	4 (LAM)	ERR2514394	S	S	S	S	S	S	S	S	S
15.0607741	Birmingham	UK	4	ERR2514395	R	R	R	R	R	R	R	R	R
12.0610882	Birmingham	UK	4 (X-type)	ERR2514396	S	S	S	S	S	S	S	S	S
14.0600597	Birmingham	UK	4	ERR2514397	S	S	S	S	S	S	S	S	S
16.0607152	Birmingham	UK	2	ERR2514398	R	R	n/a	S	R	R	R	S	S
12.0617268	Birmingham	UK	3	ERR2514399	S	S	S	S	F	S	S	S	S
16.0601539	Birmingham	UK	4 (X-type)	ERR2514400	S	S	S	S	S	S	U	S	S
13.0607677	Birmingham	UK	3	ERR2514401	S	S	S	S	S	S	S	S	S
12.0614228	Birmingham	UK	4 (Haarlem)	ERR2514402	S	S	S	S	S	S	S	S	S
15.0607206	Birmingham	UK	2	SAMN07658723	S	S	S	S	S	S	S	S	S
16.0607018	Birmingham	UK	6	ERR2514403	S	S	S	S	S	S	U	U	S
14.0609875	Birmingham	UK	3	ERR2514404	S	S	S	S	S	S	S	S	S
14.0600744	Birmingham	UK	1	ERR2514405	S	S	S	S	S	S	S	S	S
13.0602029	Birmingham	UK	4	ERR2514406	S	S	S	S	S	S	S	S	S
12.0612885	Birmingham	UK	2	ERR2514407	S	S	S	S	S	S	S	S	S
14.0613590	Birmingham	UK	2	ERR2513835	R	R	R	R	R	R	R	R	R
16.0607084	Birmingham	UK	4	ERR2514408	S	S	S	S	S	S	S	S	S
16.0617013	Birmingham	UK	3	ERR2514409	S	S	S	S	S	S	U	S	S
16.0602610	Birmingham	UK	4	SAMN07658721	S	S	S	S	S	S	S	S	S
16.0607106	Birmingham	UK	4	ERR2514410	S	S	S	S	S	S	S	S	S
15.0607094	Birmingham	UK	3	SAMN07658720	S	S	S	S	S	S	S	S	S
15.0607510	Birmingham	UK	4	SAMN07658719	S	S	S	S	S	S	S	S	S
15.0601438	Birmingham	UK	4	ERR2514411	S	S	S	S	S	S	S	S	S
15.0607728	Birmingham	UK	4 (Haarlem)	ERR2514412	S	R	S	S	S	R	S	S	S
15.0601081	Birmingham	UK	3	ERR2514413	S	S	S	S	S	S	S	S	S
15.0607637	Birmingham	UK	4 (Haarlem)	SAMN07658715	S	S	S	S	S	S	S	S	S
13.0607533	Birmingham	UK	3	ERR2514414	S	S	S	S	S	S	S	S	S
16.0601360	Birmingham	UK	4	SAMN07658714	R	S	S	S	R	S	S	S	S
16.0618428	Birmingham	UK	4	ERR2514415	S	S	S	S	S	S	S	S	S
11.0611836	Birmingham	UK	3	ERR2514416	S	S	S	S	S	S	S	S	S
14.0604728	Birmingham	UK	3	ERR2514417	S	S	S	S	S	S	S	S	S
16.0607032	Birmingham	UK	4	ERR2514418	S	S	S	S	S	S	S	S	S
13.0612472	Birmingham	UK	4 (Haarlem)	ERR2514419	S	S	S	S	S	S	S	S	S
16.0601296	Birmingham	UK	M. bovis	SAMN07658713	S	S	S	R	S	S	S	S	R
09.0606605	Birmingham	UK	4 (X-type)	ERR2514420	S	S	S	S	S	S	S	S	S
14.0611289	Birmingham	UK	1	ERR2514421	S	S	S	S	S	S	U	S	S
15.0607736	Birmingham	UK	2	ERR2514422	R	R	R	R	R	R	R	R	R
13.0609452	Birmingham	UK	4 (Haarlem)	ERR2514423	S	S	S	S	S	S	S	S	S
15.0600734	Birmingham	UK	4 (X-type)	ERR2514424	R	S	R	S	R	R	R	F	F
16.0601420	Birmingham	UK	4	SAMN07658706	S	S	S	S	S	S	S	S	S
15.0601494	Birmingham	UK	3	ERR2514425	S	S	S	S	S	S	S	S	S
14.0609453	Birmingham	UK	3	ERR2514426	S	S	S	S	S	S	S	S	S
16.0607885	Birmingham	UK	1	ERR2514427	S	S	S	S	S	S	S	S	S
14.06009700	Birmingham	UK	4 (Ural)	ERR2514428	S	S	S	S	S	S	S	S	S
13.0612473	Birmingham	UK	4 (X-type)	ERR2514429	S	S	S	S	S	S	S	S	S
14.0600536	Birmingham	UK	3	ERR2514430	S	S	S	S	S	F	S	S	S
14.0609271	Birmingham	UK	3	ERR2514431	S	S	S	S	S	S	S	S	S
15.0605804	Birmingham	UK	4 (LAM)	SAMN07658695	S	S	S	S	S	S	S	S	S
09.0605673	Birmingham	UK	1	ERR2514432	S	S	S	S	S	S	S	S	S
13.0613499	Birmingham	UK	4 (X-type)	ERR2514433	S	S	S	S	S	S	S	S	S
13.0609551	Birmingham	UK	4 (Haarlem)	ERR2514434	S	S	S	S	S	S	U	S	S
15.0613199	Birmingham	UK	3	SAMN07658692	R	R	n/a	S	R	R	R	R	R
16.0601724	Birmingham	UK	4	ERR2514435	S	S	S	S	S	S	S	S	S
13.0613557	Birmingham	UK	4 (Haarlem)	ERR2514436	S	S	S	S	S	S	S	S	S
15.0601771	Birmingham	UK	3	SAMN07658690	S	S	S	S	S	S	S	S	S
12.0616397	Birmingham	UK	1	ERR2514437	S	S	S	S	U	S	S	S	S
15.0601968	Birmingham	UK	1	SAMN07658688	S	S	S	S	S	S	S	S	S
13.0603128	Birmingham	UK	3	ERR2514438	S	S	S	S	S	S	S	S	S
15.0614445	Birmingham	UK	3	SAMN07658684	S	S	S	S	U	S	S	S	S
14.0609914	Birmingham	UK	4	ERR2514439	S	S	S	S	U	S	S	S	S
15.0601105	Birmingham	UK	3	SAMN07658683	S	S	S	S	U	S	S	S	S
13.0612211	Birmingham	UK	3	ERR2514440	S	S	S	S	S	S	S	S	S
14.0609034	Birmingham	UK	3	ERR2514441	S	S	S	S	F	S	S	S	S
15.0616130	Birmingham	UK	1	SAMN0765									

14.0600252	Birmingham	UK	3	ERR2514449	S	S	S	S	S	S	S	S	S
15.0607902	Birmingham	UK	M. orygis	SAMN07658675	S	S	S	R	S	S	S	S	S
14.0609431	Birmingham	UK	1	ERR2514450	S	S	S	R	R	R	R	R	S
16.0601516	Birmingham	UK	4 (Haarlem)	ERR2514451	R	S	R	R	R	R	R	R	S
12.0605218	Birmingham	UK	3	ERR2514452	S	S	S	S	S	S	S	S	S
12.0605641	Birmingham	UK	4 (X-type)	ERR2514453	S	S	S	S	S	S	S	S	S
15.0610739	Birmingham	UK	4 (Haarlem)	SAMN07658672	S	S	S	S	S	S	S	U	S
15.0602483	Birmingham	UK	4	ERR2514454	S	S	S	S	S	S	S	S	S
16.0603791	Birmingham	UK	3	ERR2514455	S	S	S	S	S	S	S	S	F
12.0617799	Birmingham	UK	3	ERR2514456	S	S	S	S	S	S	S	S	S
14.0616206	Birmingham	UK	4	ERR2514457	S	S	S	S	S	S	S	U	S
14.0600996	Birmingham	UK	2	ERR2514458	S	S	S	S	S	S	S	S	S
12.0616797	Birmingham	UK	3	ERR2514459	S	S	S	S	S	S	S	S	S
17.0601075	Birmingham	UK	2	ERR2514460	S	S	S	S	S	S	S	S	S
14.0600470	Birmingham	UK	3	SAMN05276505	S	S	S	S	S	S	S	S	S
12.0611896	Birmingham	UK	3	ERR2514461	S	S	S	S	S	S	S	S	S
14.0600971	Birmingham	UK	4 (S-type)	ERR2514462	S	S	S	S	S	S	S	S	S
14.0604054	Birmingham	UK	3	ERR2514463	S	S	S	S	S	S	S	S	S
15.0613220	Birmingham	UK	4 (Haarlem)	SAMN07658668	S	S	S	S	n/a	S	S	S	S
13.0611016	Birmingham	UK	3	ERR2514464	S	S	S	S	S	S	S	S	S
13.0611315	Birmingham	UK	3	ERR2514465	S	S	S	S	S	S	S	S	S
12.0603731	Birmingham	UK	3	ERR2514466	S	S	S	S	S	S	S	S	S
15.0601738	Birmingham	UK	1	SAMN07658667	S	S	S	S	S	S	S	S	S
13.0613029	Birmingham	UK	3	ERR2514467	S	S	S	S	S	S	S	U	S
14.0609404	Birmingham	UK	3	ERR2514468	S	S	S	S	S	S	S	S	S
11.0608172	Birmingham	UK	3	ERR2514469	S	S	S	S	S	S	S	S	S
14.0600092	Birmingham	UK	3	ERR2514470	S	S	S	S	S	S	S	S	S
14.0610922	Birmingham	UK	3	ERR2514471	S	S	S	S	S	S	S	S	S
13.0613329	Birmingham	UK	4 (Haarlem)	ERR2514472	S	S	S	S	S	S	S	U	S
13.0608410	Birmingham	UK	3	ERR2512701	S	S	S	S	S	S	S	S	S
12.0611602	Birmingham	UK	4 (LAM)	ERR2514473	S	S	S	S	S	S	S	S	S
15.0613108	Birmingham	UK	4 (Haarlem)	SAMN07658658	S	S	S	S	S	S	U	S	S
15.0601629	Birmingham	UK	2	ERR2514474	S	S	S	S	S	S	S	S	S
16.0607974	Birmingham	UK	4 (LAM)	ERR2514475	S	S	S	S	S	S	S	S	S
16.0600456	Birmingham	UK	3	SAMN07658656	S	S	S	S	F	F	F	S	F
15.0611953	Birmingham	UK	3	SAMN07658655	S	S	S	S	S	S	U	S	S
16.0607323	Birmingham	UK	4 (Haarlem)	ERR2514476	S	S	S	S	S	S	U	S	S
15.0601627	Birmingham	UK	4 (Haarlem)	ERR2514477	S	S	S	S	S	S	S	S	S
13.0607668	Birmingham	UK	4 (LAM)	ERR2514478	S	S	S	S	S	S	S	S	S
16.0607800	Birmingham	UK	4	ERR2514479	S	S	S	S	S	S	S	S	S
12.0611205	Birmingham	UK	4	ERR2514480	S	S	S	S	S	S	U	S	S
16.0601582	Birmingham	UK	3	ERR2514481	S	S	S	S	S	S	S	S	S
16.0600499	Birmingham	UK	4 (LAM)	SAMN07658646	S	S	S	S	S	S	S	S	S
10.0612076	Birmingham	UK	3	ERR2514482	S	S	S	S	S	S	S	S	S
14.0609429	Birmingham	UK	1	ERR2514483	S	S	S	R	U	S	S	R	R
13.0608437	Birmingham	UK	4 (Uganda)	ERR2514484	S	S	S	S	S	S	S	S	S
16.0617651	Birmingham	UK	4	ERR2514485	S	S	S	S	S	S	S	S	S
15.0601753	Birmingham	UK	3	SAMN07658645	S	S	S	S	S	S	S	S	S
14.0610278	Birmingham	UK	4 (Haarlem)	ERR2514486	S	S	S	S	S	S	S	S	U
15.0607746	Birmingham	UK	4 (LAM)	ERR2514487	R	R	R	R	R	R	R	R	R
16.0618588	Birmingham	UK	4	ERR2514488	n/a	S	S	S	S	S	S	S	S
13.0612961	Birmingham	UK	4 (LAM)	ERR2514489	S	S	S	S	S	S	S	S	S
14.0600223	Birmingham	UK	4 (Haarlem)	ERR2514490	S	S	S	S	S	S	S	S	S
15.0607638	Birmingham	UK	2	SAMN07658641	S	S	S	S	S	S	S	S	S
15.0607876	Birmingham	UK	1	SAMN07658640	S	S	S	S	S	S	S	S	S
15.0607936	Birmingham	UK	4 (Cameroon)	SAMN07658639	S	S	S	S	S	S	S	S	S
15.0611869	Birmingham	UK	4 (Haarlem)	SAMN07658637	S	S	S	S	S	S	S	S	F
16.0607867	Birmingham	UK	1	ERR2514491	S	S	S	S	S	S	S	S	S
14.0600724	Birmingham	UK	4	ERR2514492	S	S	S	S	S	S	S	S	S
14.0609941	Birmingham	UK	4 (LAM)	ERR2514493	S	S	S	S	S	S	S	S	S
14.0609917	Birmingham	UK	1	ERR2514494	S	S	S	S	S	S	S	S	S
16.0601226	Birmingham	UK	4	SAMN07658635	S	S	S	S	S	S	S	S	S
14.0609968	Birmingham	UK	4 (LAM)	ERR2514495	S	S	S	S	S	S	S	S	S
15.0613152	Birmingham	UK	4 (Haarlem)	SAMN07658632	S	S	S	S	S	S	S	S	S
12.0613629	Birmingham	UK	4 (Haarlem)	ERR2514496	S	S	S	S	S	S	S	S	S
14.0609757	Birmingham	UK	Ghana	ERR2514497	S	S	S	S	S	S	S	S	S
16.0601396	Birmingham	UK	4	SAMN07658625	S	S	S	S	S	S	S	S	S
13.0604721	Birmingham	UK	3	ERR2514498	S	S	S	S	S	S	S	S	S
13.0609245	Birmingham	UK	1	ERR2514499	S	S	S	S	S	S	S	S	S
12.0611827	Birmingham	UK	1	ERR2514500	S	S	S	S	S	S	S	S	S
12.0615253	Birmingham	UK	1	ERR2514501	S	S	S	S	S	S	S	S	S
16.0601797	Birmingham	UK	4	ERR2514502	S	S	S	S	S	S	S	S	S
16.0617966	Birmingham	UK	4 (LAM)	ERR2514503	R	R	R	S	R	R	R	R	R
13.0604198	Birmingham	UK	4 (X-type)	ERR2514504	S	S	S	S	S	S	S	S	S
14.0600680	Birmingham	UK	4 (Tur)	ERR2514505	S	S	S	S	S	S	S	S	S
16.0601041	Birmingham	UK	1	SAMN07658623	R	S	S	S	R	S	U	S	S
12.0600898	Birmingham	UK	5	ERR2514506	S	S	S	S	S	S	S	U	S
15.0607475	Birmingham	UK	3	SAMN07658621	R	R	S	n/a	R	R	R	R	R
14.0600950	Birmingham	UK	3	ERR2513522	S	S	S	S	S	S	S	S	S
13.0602072	Birmingham	UK	4	ERR2514507	S	S	S	S	S	S	S	S	S
14.0616077	Birmingham	UK	3	ERR2514508	S	S	S	S	S	S	S	S	S
15.0600950	Birmingham	UK	2	ERR2514509	S	S	S	S	S	S	S	U	S
12.0604332	Birmingham	UK	4 (Uganda)	ERR2514510	S	S	S	S	S	S	S	S	S
14.0609733	Birmingham	UK	3	ERR2514511	S	S	S	S	S	S	S	S	S
12.0614540	Birmingham	UK	4	ERR2514512	S	S	S	S	F	S	S	S	S
16.0618502	Birmingham	UK	4	ERR2514513	S	S	S	S	S	S	S	S	S
17.0601213	Birmingham	UK	3	ERR2514514	S	S	S	S	n/a	S	U	S	S
16.0607705	Birmingham	UK	4 (Ural)	ERR2514515	S	S	S	S	S	F	F	F	S
15.0601459	Birmingham	UK	3	ERR2514516	S	S	S	S	S	S	S	S	S
13.0604519	Birmingham	UK	3	ERR2514517	S	S	S	S	S	S	S	S	S
13.0602086	Birmingham	UK	4	ERR2514518	S	S	S	S	S	S	S	S	S
12.0616110	Birmingham	UK	4	ERR2512403	S	S	S	S	S	S	S	S	S
13.0613004	Birmingham	UK	4 (LAM)	ERR2514519	S	S	S	S	S	S	S	S	S
12.0610801	Birmingham	UK	4 (X-type)	ERR2514520	S	S	S	S	S	S	S	S	S
15.0607193	Birmingham	UK	4 (LAM)	SAMN07658618	S	S	S	S	S	F	F	S	S
15.0613490	Birmingham	UK	4 (Tur)	SAMN07658616	S	S	S	S	S	S	S	S	S
17.0601155	Birmingham	UK	4	ERR2514521	S	S	S	S	S	S	S	S	S
15.0601929	Birmingham	UK	2	SAMN07658614	n/a	S	S	S	S	S	S	S	S
14.0614648	Birmingham	UK	3	ERR2514522	n/a	n/a	n/a	n/a	S	S	S	S	S
14.0600528	Birmingham	UK	3	ERR2514523	S	S	S	S	S	S	S	S	S
15.0613069	Birmingham	UK	4	SAMN07658613	S	S	S	S	S	S	U	S	S
14.0609026	Birmingham	UK	3	ERR2514524	S	S	S	S	S	S	S	S	S
16.0618614	Birmingham	UK	4	ERR2514525	S	S	S	S	S	S	S	S	S
13.0609002	Birmingham	UK	2	ERR2514526	S	S	S	S	S	S	S	S	S
12.0612489	Birmingham	UK	4 (S-type)	ERR2514527	S	S	S	S	S	S	S	S	S
16.0601680	Birmingham	UK	4 (Haarlem)	ERR2514528	S	S	S	S	S	S	S	S	S
15.0613461	Birmingham	UK	4	ERR2514529	S	S	S	S	S	S	S	S	S
14.0609601	Birmingham	UK	4	ERR2514530	S	S	S	S	S	S	S	S	S
15.0607614	Birmingham	UK	4	ERR25145324	S	S	S	S	S	S	S	S	S
14.0600310	Birmingham	UK	1	ERR2513367	S	S	S	S	S	S	S	S	S
13.0607129	Birmingham	UK	3	ERR2514531	S	S	S	S	S	S	S	S	S
13.0612192	Birmingham	UK	4	ERR2514532	S	S	S	S	S	S	S	S	S
15.0601141	Birmingham	UK	4										

14.0600058	Birmingham	UK	3	ERR2514541	S	S	S	S	S	S	S	S	S
15.0607658	Birmingham	UK	4 (X-type)	SAMN07658591	S	S	S	S	S	S	S	S	S
12.0614237	Birmingham	UK	3	ERR2514542	S	S	S	S	S	S	S	S	S
13.0603145	Birmingham	UK	3	ERR2514543	S	S	S	S	S	S	U	S	S
14.0600805	Birmingham	UK	3	ERR2514544	S	S	S	S	S	S	S	S	S
12.0617738	Birmingham	UK	M. bovis	ERR2514545	S	S	S	R	S	S	S	S	R
16.0607248	Birmingham	UK	3	ERR2514546	S	S	S	S	R	S	S	S	S
15.0607226	Birmingham	UK	2	ERR2514547	S	S	S	S	S	S	S	S	S
16.0601579	Birmingham	UK	1	ERR2514548	S	S	S	n/a	S	S	S	S	S
15.0601780	Birmingham	UK	4	SAMN07658586	S	S	S	S	S	S	U	S	S
15.0607192	Birmingham	UK	3	SAMN07658585	S	S	S	S	S	S	S	S	S
15.0607767	Birmingham	UK	4 (Cameroon)	SAMN07658582	S	S	S	S	S	S	S	U	S
12.0611852	Birmingham	UK	2	ERR2514549	S	S	S	S	S	S	S	S	S
15.0602907	Birmingham	UK	3	ERR2514550	R	R	S	S	R	F	S	S	S
16.0607441	Birmingham	UK	4	ERR2514551	S	S	S	S	S	S	S	S	S
16.0601276	Birmingham	UK	4	SAMN07658580	S	S	S	S	S	S	S	S	S
16.0604314	Birmingham	UK	3	ERR2514552	S	S	S	S	F	U	F	F	F
14.0616035	Birmingham	UK	4	ERR2514553	S	S	S	S	S	S	S	S	S
12.0611277	Birmingham	UK	4 (Haarlem)	ERR2514554	S	S	S	S	S	S	S	S	S
16.0617205	Birmingham	UK	4 (LAM)	ERR2514555	S	S	S	S	S	S	S	S	S
14.0609940	Birmingham	UK	3	ERR2514556	S	S	S	S	S	S	S	S	S
16.0607890	Birmingham	UK	4	ERR2514557	n/a	n/a	n/a	S	S	S	S	S	S
13.0604070	Birmingham	UK	4 (X-type)	ERR2512459	S	S	S	S	S	S	S	S	S
16.0612679	Birmingham	UK	4	ERR2514558	R	S	S	S	R	S	S	S	S
16.0601681	Birmingham	UK	4 (Haarlem)	ERR2514559	n/a	S	S	n/a	R	R	R	S	S
15.0607381	Birmingham	UK	M. orygis	SAMN07658575	n/a	S	S	n/a	F	S	U	F	S
14.0600396	Birmingham	UK	4 (LAM)	ERR2514560	S	S	S	S	S	S	S	S	S
14.0610839	Birmingham	UK	4	ERR2514561	S	S	S	S	S	S	S	S	S
15.0613188	Birmingham	UK	M. orygis	SAMN07658574	n/a	n/a	n/a	S	S	S	S	S	S
14.0603568	Birmingham	UK	3	SAMN05276513	S	S	S	S	S	S	S	S	S
15.0607016	Birmingham	UK	1	SAMN07658573	S	S	S	S	S	S	S	S	S
14.0609388	Birmingham	UK	3	ERR2514562	S	S	S	S	S	S	S	S	S
14.0600482	Birmingham	UK	4	ERR2514563	S	S	S	S	S	S	S	S	S
15.0611364	Birmingham	UK	3	SAMN07658571	S	S	S	S	S	S	S	S	S
16.0601260	Birmingham	UK	4 (Cameroon)	SAMN07658570	R	S	S	S	R	S	S	S	S
14.0600609	Birmingham	UK	Ghana	ERR2514564	R	S	S	S	R	S	S	S	S
15.0601875	Birmingham	UK	1	SAMN07658568	S	S	S	S	S	S	S	S	S
15.0607891	Birmingham	UK	1	SAMN07658567	S	S	S	n/a	S	S	S	S	S
15.0601628	Birmingham	UK	3	ERR2514565	S	S	S	S	S	U	S	S	S
13.0606480	Birmingham	UK	3	ERR2514566	S	S	S	S	F	S	S	S	S
15.0604813	Birmingham	UK	3	SAMN07658566	S	S	S	S	U	S	S	S	S
16.0600545	Birmingham	UK	4	ERR2514567	S	S	S	S	S	S	S	S	S
13.0607717	Birmingham	UK	4 (Haarlem)	ERR2514568	S	S	S	S	S	U	S	S	S
16.0601190	Birmingham	UK	3	SAMN07658562	S	S	S	S	S	S	S	S	S
12.0614204	Birmingham	UK	4	ERR2514569	S	S	S	S	S	S	S	S	S
15.0601871	Birmingham	UK	4	SAMN07658558	S	S	S	S	S	S	S	S	S
13.0602075	Birmingham	UK	3	ERR2514570	S	S	S	S	S	S	S	S	S
16.0601046	Birmingham	UK	4 (LAM)	SAMN07658557	S	S	S	S	S	S	S	S	S
14.0600970	Birmingham	UK	1	ERR2513562	S	S	S	S	S	S	S	S	S
13.0607959	Birmingham	UK	1	ERR2514571	S	S	S	S	S	S	S	S	S
15.0607778	Birmingham	UK	4	SAMN07658551	S	S	S	S	S	S	S	S	S
14.0600566	Birmingham	UK	3	ERR2514572	S	S	S	S	S	S	S	S	S
14.0600788	Birmingham	UK	3	ERR2514573	S	S	S	S	S	S	S	S	S
14.0609149	Birmingham	UK	4	ERR2514574	S	S	S	S	S	S	S	S	S
16.0604778	Birmingham	UK	3	ERR2514575	S	S	S	S	R	S	S	S	S
15.0601597	Birmingham	UK	4	ERR2514576	S	S	S	S	S	S	S	S	S
13.0604889	Birmingham	UK	3	ERR2514577	S	S	S	S	S	S	S	S	S
16.0607766	Birmingham	UK	M. orygis	ERR2514578	S	S	S	S	S	S	S	S	S
15.0607140	Birmingham	UK	4 (Haarlem)	SAMN07658547	S	S	S	S	S	S	S	S	S
17.0601058	Birmingham	UK	3	ERR2514579	S	S	S	S	S	S	S	S	S
15.0607298	Birmingham	UK	3	SAMN07658546	S	S	S	S	S	U	S	S	S
16.0601922	Birmingham	UK	3	ERR2514580	R	S	S	S	R	S	S	S	S
14.0600259	Birmingham	UK	1	ERR2514581	S	S	S	S	S	U	S	S	S
15.0613282	Birmingham	UK	3	SAMN07658544	S	S	S	S	S	S	S	S	S
15.0606897	Birmingham	UK	4 (Cameroon)	SAMN07658541	S	S	S	S	S	S	S	S	S
14.0600802	Birmingham	UK	4 (LAM)	ERR2514582	S	S	S	S	S	S	S	S	S
11.0604393	Birmingham	UK	M. bovis	ERR2514583	S	S	S	R	S	S	U	R	S
13.0610746	Birmingham	UK	3	ERR2514584	S	S	S	S	S	S	S	S	S
13.0611884	Birmingham	UK	4 (LAM)	ERR2514585	S	S	S	S	S	S	S	S	S
15.0601833	Birmingham	UK	4 (LAM)	SAMN07658539	S	S	S	S	S	S	S	S	S
14.0600692	Birmingham	UK	4 (S-type)	ERR2514586	S	S	S	S	S	S	S	S	S
09.0602214	Birmingham	UK	2	ERR2514587	S	S	S	S	S	S	S	S	S
15.0607446	Birmingham	UK	4 (LAM)	SAMN07658538	S	S	S	S	S	S	S	S	S
13.0606481	Birmingham	UK	4	ERR2514588	S	S	S	S	S	S	S	S	S
09.0600998	Birmingham	UK	3	ERR2514589	S	S	S	S	S	S	U	S	S
16.0607570	Birmingham	UK	4 (X-type)	ERR2514590	S	S	S	S	S	S	S	S	S
14.0606979	Birmingham	UK	2	ERR2514591	n/a	n/a	n/a	R	F	R	S	S	S
16.0611103	Birmingham	UK	4	ERR2514592	S	S	S	S	S	S	S	S	S
13.0605713	Birmingham	UK	3	ERR2514593	S	S	S	S	S	S	S	S	S
12.0615273	Birmingham	UK	1	ERR2514594	S	S	S	S	S	S	U	S	S
13.0600614	Birmingham	UK	4 (LAM)	ERR2514595	S	S	S	S	S	S	U	S	S
13.0613605	Birmingham	UK	3	ERR2514596	S	S	S	S	S	S	S	S	S
15.0601457	Birmingham	UK	1	SAMN07658534	S	S	n/a	S	S	S	S	S	S
13.0609970	Birmingham	UK	3	ERR2514597	S	S	S	S	S	S	S	S	S
12.0615237	Birmingham	UK	3	ERR2514598	S	S	S	S	S	S	S	S	S
17.0601028	Birmingham	UK	3	ERR2514599	S	S	S	n/a	S	S	S	S	S
12.0610321	Birmingham	UK	1	ERR2514600	S	S	S	S	S	S	S	S	S
14.0609538	Birmingham	UK	3	ERR2514601	S	S	S	S	S	S	S	S	S
14.0609546	Birmingham	UK	3	ERR2514602	S	S	S	S	S	S	S	S	S
11.0614819	Birmingham	UK	3	ERR2514603	S	S	S	S	S	S	S	S	S
14.0609727	Birmingham	UK	3	ERR2514604	S	S	S	S	S	S	S	S	S
13.0604065	Birmingham	UK	4 (LAM)	ERR2514605	S	S	S	S	S	S	S	S	S
14.0609402	Birmingham	UK	1	ERR2514606	S	S	S	S	S	S	S	S	S
13.0611312	Birmingham	UK	4	ERR2514607	S	S	S	S	S	S	S	S	S
16.0601463	Birmingham	UK	4 (X-type)	SAMN07658530	S	S	S	S	S	S	S	S	S
14.0616130	Birmingham	UK	1	ERR2514608	S	S	S	S	S	S	S	S	S
14.0614975	Birmingham	UK	3	ERR2514609	R	S	S	S	R	S	S	S	S
12.0613586	Birmingham	UK	4 (LAM)	ERR2514610	S	S	S	S	S	S	S	S	S
13.0610905	Birmingham	UK	4	ERR2514611	S	S	S	S	S	S	S	S	S
14.0600022	Birmingham	UK	3	ERR2514612	S	S	S	S	S	S	S	S	S
14.0616019	Birmingham	UK	4	ERR2514613	S	S	S	S	S	S	S	S	S
16.0601118	Birmingham	UK	2	SAMN07658527	S	S	S	S	S	S	S	S	S
09.0600120	Birmingham	UK	4	ERR2514614	S	S	S	S	S	S	S	S	S
12.0617129	Birmingham	UK	4	ERR2514615	S	S	S	S	S	S	S	U	S
12.0612858	Birmingham	UK	1	ERR2514616	S	S	S	S	S	S	S	S	S
16.0617216	Birmingham	UK	3	ERR2514617	S	S	S	S	S	S	S	S	S
15.0611783	Birmingham	UK	4 (Haarlem)	SAMN07658523	S	S	S	S	S	S	S	S	S
09.0604962	Birmingham	UK	1	ERR2514618	R	S	S	S	R	S	S	S	S
15.0614226	Birmingham	UK	3	SAMN07658521	S	S	S	S	S	S	S	S	S
15.0601694	Birmingham	UK	3	ERR2514619	S	S	S	S	S	S	S	S	S
12.0608968	Birmingham	UK	3	ERR2514620	S	S	S	S	S	S	S	S	S
14.0609027	Birmingham	UK	4 (Haarlem)	ERR2514621	S	S	S	S	S	S	S	S	S
15.0607678	Birmingham	UK	3	SAMN0765									

16.0618469	Birmingham	UK	1	ERR2514628	S	S	S	S	S	S	S	S	S
13.0603425	Birmingham	UK	1	ERR2514629	R	S	S	S	R	S	S	S	S
14.0609854	Birmingham	UK	3	ERR2514630	S	S	S	S	S	S	S	S	S
12.0927646	Birmingham	UK	4	ERR2514631	R	S	S	S	R	S	S	S	S
13.0611316	Birmingham	UK	3	ERR2514632	R	S	S	S	R	S	S	S	S
15.0607745	Birmingham	UK	4 (LAM)	ERR2514633	R	R	R	R	R	R	R	R	U
13.0613458	Birmingham	UK	3	ERR2514634	S	S	S	S	S	S	S	S	S
15.0601542	Birmingham	UK		ERR2514635	S	S	S	S	S	S	S	S	S
15.0613506	Birmingham	UK	3	SAMN07658512	S	S	S	S	S	S	S	S	S
13.0609498	Birmingham	UK	1	ERR2514636	S	S	S	S	S	S	S	S	S
15.0601607	Birmingham	UK	4 (Haarlem)	SAMN07658511	S	S	S	S	S	S	S	S	S
15.0601876	Birmingham	UK	3	SAMN07658510	R	R	S	S	R	R	S	S	S
15.0615367	Birmingham	UK	3	SAMN07658508	S	S	S	S	S	S	S	S	S
16.0603276	Birmingham	UK	2	SAMN07658507	S	S	S	S	S	S	S	S	S
15.0607254	Birmingham	UK	4	SAMN07658506	S	S	S	S	S	S	S	S	S
14.0600273	Birmingham	UK	1	ERR2514637	S	S	S	S	S	S	S	S	S
16.0618329	Birmingham	UK	4 (Ural)	ERR2514638	S	S	S	S	S	S	S	S	S
13.0609069	Birmingham	UK	4	ERR2514639	S	S	S	S	S	S	S	S	S
10.0605084	Birmingham	UK	1	ERR2514640	S	S	S	S	U	S	S	S	S
16.0601224	Birmingham	UK	4 (X-type)	SAMN07658505	R	S	S	S	R	S	S	S	S
15.0607511	Birmingham	UK	4 (LAM)	SAMN07658503	S	S	S	S	S	S	S	S	S
10.0611022	Birmingham	UK	3	ERR2514641	S	S	S	S	S	S	S	S	S
13.0601556	Birmingham	UK	3	ERR2514642	S	S	S	S	S	S	S	S	S
16.0601593	Birmingham	UK	4	ERR2514643	S	S	S	S	S	S	S	S	S
14.0600014	Birmingham	UK	3	ERR2514644	S	S	S	S	S	S	S	S	S
14.0609976	Birmingham	UK	4 (LAM)	ERR2514645	S	S	S	S	S	F	S	S	S
16.0604915	Birmingham	UK	2	ERR2514646	R	R	S	n/a	R	R	S	F	S
11.0611394	Birmingham	UK	3	ERR2514647	S	S	S	S	S	S	S	S	S
13.0605101	Birmingham	UK	3	ERR2514648	S	S	S	S	S	S	S	S	S
16.0607436	Birmingham	UK	4 (Haarlem)	ERR2514649	S	S	S	S	S	S	S	S	S
13.0606112	Birmingham	UK	4 (Haarlem)	ERR2514650	S	S	S	S	S	S	S	S	S
14.0609261	Birmingham	UK	4	ERR2514651	S	S	S	S	S	S	S	S	S
15.0601450	Birmingham	UK	4	ERR2514652	S	S	S	S	S	S	S	S	S
14.0609534	Birmingham	UK	3	ERR2514653	S	S	S	S	S	S	S	S	S
14.0600675	Birmingham	UK	4 (X-type)	ERR2514654	S	S	S	S	S	S	U	S	S
16.0618092	Birmingham	UK	3	ERR2514655	S	S	S	S	S	F	S	S	S
15.0601907	Birmingham	UK	1	SAMN07658489	S	S	S	S	U	S	U	S	S
10.0612351	Birmingham	UK	4	ERR2514656	S	S	S	S	S	S	S	S	S
15.0613245	Birmingham	UK	M. bovis	SAMN07658487	S	S	S	n/a	S	S	S	R	S
15.0601037	Birmingham	UK	3	ERR2514657	S	S	S	S	S	S	S	S	S
15.0607013	Birmingham	UK	3	SAMN07658486	S	S	S	S	U	S	S	S	S
16.0605800	Birmingham	UK	2	ERR2514658	S	S	S	S	S	S	S	S	S
15.0607259	Birmingham	UK	3	SAMN07658485	S	S	S	S	S	S	S	S	S
16.0601755	Birmingham	UK	1	ERR2514659	S	S	S	S	S	U	S	S	S
16.0607810	Birmingham	UK	3	ERR2514660	S	S	S	S	S	S	S	S	S
15.0607382	Birmingham	UK	M. orygis	SAMN07658483	S	S	S	S	S	S	S	S	S
15.0601594	Birmingham	UK	3	ERR2514661	S	S	S	S	S	S	S	S	S
10.0612476	Birmingham	UK	4 (X-type)	ERR2514662	S	S	S	S	S	S	S	S	S
13.0601939	Birmingham	UK	4	ERR2514663	S	S	S	S	S	S	S	S	S
13.0600593	Birmingham	UK	4	ERR2514664	S	S	S	S	S	S	S	S	S
16.0617634	Birmingham	UK	3	ERR2514665	S	S	S	S	F	F	S	F	S
12.0616803	Birmingham	UK	4 (X-type)	ERR2514666	S	S	S	R	F	F	R	F	S
15.0609692	Birmingham	UK	3	ERR2514667	S	S	S	S	S	S	S	S	S
15.0601390	Birmingham	UK	4	ERR2514668	S	S	S	S	S	S	S	S	F
15.0609939	Birmingham	UK	3	SAMN07658478	S	S	S	S	S	S	S	S	S
13.0605679	Birmingham	UK	2	ERR2514669	S	S	S	S	S	S	S	S	S
13.0613231	Birmingham	UK	4 (Haarlem)	ERR2514670	S	S	S	S	S	S	S	S	S
13.0607363	Birmingham	UK	4 (Haarlem)	ERR2514671	S	S	S	S	S	S	S	S	S
14.0609461	Birmingham	UK	4 (LAM)	ERR2514672	S	S	S	S	F	S	F	S	S
16.0618063	Birmingham	UK	4 (Haarlem)	ERR2514673	S	S	S	S	S	S	S	S	S
13.0611349	Birmingham	UK	4	ERR2514674	S	S	S	S	S	S	S	S	S
14.0611995	Birmingham	UK	3	ERR2514675	S	S	S	S	S	S	S	S	S
14.0609672	Birmingham	UK	3	ERR2514676	S	S	S	S	S	S	S	S	S
16.0607206	Birmingham	UK		ERR2514677	S	S	S	S	S	S	S	S	S
13.0607687	Birmingham	UK	3	ERR2514678	S	S	S	S	S	S	S	S	S
17.0601169	Birmingham	UK	2	ERR2514679	R	S	S	S	R	S	S	S	S
12.0611665	Birmingham	UK	4 (LAM)	ERR2514680	S	S	S	S	S	S	S	S	S
16.0607214	Birmingham	UK	4	ERR2514681	S	S	S	S	S	S	S	S	S
15.0602264	Birmingham	UK	3	SAMN07658471	S	S	S	S	S	S	S	S	S
14.0600549	Birmingham	UK	4 (LAM)	ERR2514682	S	S	S	S	S	S	S	S	S
14.0609609	Birmingham	UK	3	ERR2514683	S	S	S	S	S	S	S	S	S
12.0611829	Birmingham	UK	4 (X-type)	ERR2514684	S	S	S	S	S	S	S	S	S
15.0601078	Birmingham	UK	1	ERR2514685	S	S	S	S	S	S	S	S	S
16.0607081	Birmingham	UK	4	ERR2514686	S	S	S	S	S	S	S	S	S
15.0601691	Birmingham	UK	2	SAMN07658467	S	S	S	S	S	S	S	S	S
09.0609881	Birmingham	UK	3	ERR2514687	S	S	S	S	S	S	S	S	S
16.0601004	Birmingham	UK	4	SAMN07658466	S	S	S	S	S	S	S	S	S
16.0606527	Birmingham	UK	1	ERR2514688	S	S	n/a	n/a	U	S	S	S	S
16.0609380	Birmingham	UK	1	ERR2514689	S	S	S	n/a	S	S	U	S	S
15.0607211	Birmingham	UK	3	SAMN07658464	S	S	S	S	S	S	U	S	S
15.0604533	Birmingham	UK	4 (Haarlem)	ERR2514690	S	S	S	S	S	S	S	S	S
14.0609663	Birmingham	UK	4 (X-type)	ERR2514691	S	S	S	S	S	S	S	S	S
16.0601743	Birmingham	UK	1	ERR2514692	S	S	S	n/a	F	F	F	F	S
14.0600051	Birmingham	UK	3	ERR2514693	S	S	S	S	S	S	S	S	S
13.0603879	Birmingham	UK	2	ERR2514694	S	S	S	S	S	S	S	S	S
17.0601031	Birmingham	UK	3	ERR2514695	n/a	S	n/a	S	S	S	S	S	S
16.0601459	Birmingham	UK	4	SAMN07658461	S	S	S	S	F	S	F	S	S
14.0600094	Birmingham	UK	4	ERR2514696	S	S	S	S	S	S	S	S	S
12.0610932	Birmingham	UK	3	ERR2514697	S	S	S	S	S	S	S	S	S
13.0609918	Birmingham	UK	4 (Cameroon)	ERR2514698	S	S	S	S	S	S	S	S	S
15.0607307	Birmingham	UK	3	SAMN07658459	S	S	S	S	S	S	U	S	S
14.0609088	Birmingham	UK	1	ERR2514699	S	S	S	S	S	S	S	S	S
16.0602026	Birmingham	UK	4	SAMN07658458	S	S	S	S	F	U	S	S	S
15.0613137	Birmingham	UK	1	SAMN07658457	R	S	S	S	R	S	S	S	S
14.0616036	Birmingham	UK	4 (Cameroon)	ERR2514700	S	S	S	S	S	S	S	S	S
12.0611823	Birmingham	UK	1	ERR2514701	S	S	S	S	S	S	S	S	S
16.0618370	Birmingham	UK	4 (Haarlem)	ERR2514702	S	S	S	S	S	S	S	S	S
16.0601107	Birmingham	UK	4	SAMN07658453	S	S	S	S	S	S	S	S	S
15.0607245	Birmingham	UK	3	SAMN07658452	S	S	S	S	S	S	S	S	S
16.0607918	Birmingham	UK	4	ERR2514703	S	S	S	S	S	S	S	S	S
12.0611612	Birmingham	UK	1	ERR2514704	S	S	S	S	S	S	S	S	S
15.0601100	Birmingham	UK	1	SAMN07658450	S	S	S	S	S	S	S	S	S
12.0612540	Birmingham	UK	4 (X-type)	ERR2512393	S	S	S	S	S	S	S	S	S
16.0618357	Birmingham	UK	4	ERR2514705	S	S	S	S	S	S	S	S	S
16.0618564	Birmingham	UK	4 (Ural)	ERR2514706	S	S	S	S	S	S	S	S	S
16.0601379	Birmingham	UK	3	SAMN07658446	R	S	n/a	S	R	S	U	S	S
13.0612058	Birmingham	UK	3	ERR2514707	S	S	S	S	S	S	U	S	S
16.0601803	Birmingham	UK	4 (Haarlem)	ERR2514708	S	S	S	n/a	S	S	S	S	S
14.0614437	Birmingham	UK	4	ERR2514709	S	S	S	S	S	S	S	U	S
15.0609506	Birmingham	UK	2	SAMN07658441	S	S	S	S	S	S	S	U	S
16.0604851	Birmingham	UK	4 (Haarlem)	ERR2514710	S	S	S	S	S	S	S	S	S
15.0601539	Birmingham	UK	2	ERR2514711	S	S	S	S	S	S	S	S	S
13.0609880	Birmingham	UK	4 (LAM)	ERR2512869									

12.0612512	Birmingham	UK	1	ERR2514719	S	S	S	S	S	U	S	S	S
13.0610745	Birmingham	UK	4 (Haarlem)	ERR2514720	S	S	S	S	S	S	S	S	S
13.0610275	Birmingham	UK	3	ERR2514721	S	S	S	S	S	S	S	S	S
16.0610558	Birmingham	UK	3	ERR2514722	S	S	S	S	S	S	S	S	S
17.0601057	Birmingham	UK	4 (Tur)	ERR2514723	S	S	S	S	S	S	S	S	S
15.0601618	Birmingham	UK	4	ERR2514724	S	S	S	S	S	S	S	S	S
14.0600660	Birmingham	UK	1	ERR2513400	S	S	S	S	S	S	S	S	S
15.0601869	Birmingham	UK	2	SAMN07658424	R	S	S	S	S	R	S	S	S
12.0614990	Birmingham	UK	4 (LAM)	ERR2512400	S	S	S	S	S	S	S	S	S
15.0609125	Birmingham	UK	1	SAMN07658422	n/a	S	S	S	S	R	S	S	S
13.0610401	Birmingham	UK	3	ERR2514725	S	S	S	S	S	S	S	S	S
13.0613495	Birmingham	UK	3	ERR2514726	S	S	S	S	S	S	S	S	S
16.0617376	Birmingham	UK	3	ERR2514727	S	S	S	S	S	U	S	S	S
15.0613500	Birmingham	UK	1	SAMN07658420	S	S	S	S	S	U	S	S	S
16.0601572	Birmingham	UK	3	ERR2514728	S	S	S	S	S	S	S	S	S
13.0608970	Birmingham	UK	3	ERR2514729	R	S	S	S	S	R	R	R	F
14.0609932	Birmingham	UK	4 (LAM)	ERR2514730	S	S	S	S	S	S	S	S	S
13.0609922	Birmingham	UK	4	ERR2514731	S	S	S	S	S	S	S	S	S
14.0600845	Birmingham	UK	4	ERR2514732	S	S	S	S	S	S	S	S	S
16.0610187	Birmingham	UK	1	ERR2514733	S	S	S	n/a	S	S	S	S	S
13.0612197	Birmingham	UK	4 (X-type)	ERR2514734	S	S	S	S	S	S	S	S	S
16.0607002	Birmingham	UK	2	ERR2514735	S	S	S	n/a	S	S	S	S	S
16.0601223	Birmingham	UK	4	SAMN07658414	S	S	S	S	S	S	S	S	S
14.0600359	Birmingham	UK	3	ERR2514736	S	S	S	S	S	S	S	S	S
13.0609556	Birmingham	UK	3	ERR2514737	S	S	S	S	S	S	S	S	S
16.0607677	Birmingham	UK	M. orygis	ERR2514738	S	S	S	S	S	S	S	S	S
16.0605525	Birmingham	UK	4	ERR2514739	S	S	S	S	S	S	S	S	S
15.0607521	Birmingham	UK	3	SAMN07658408	S	S	S	n/a	S	S	S	S	S
16.0607549	Birmingham	UK	3	ERR2514740	n/a	S	S	n/a	S	S	S	S	S
15.0601328	Birmingham	UK	3	ERR2514741	S	S	S	S	S	S	S	S	S
15.0601922	Birmingham	UK	4	SAMN07658404	S	S	S	n/a	S	S	S	U	S
14.0609934	Birmingham	UK	3	ERR2514742	S	S	S	S	S	S	S	S	S
16.0607339	Birmingham	UK	4 (LAM)	ERR2514743	S	S	S	S	S	S	S	S	S
16.0601930	Birmingham	UK	3	ERR2514744	S	S	S	S	S	S	S	S	S
16.0601483	Birmingham	UK	3	ERR2514745	S	S	S	S	S	S	S	S	S
12.0610289	Birmingham	UK	4 (X-type)	ERR2514746	S	S	S	S	S	S	S	S	S
14.0609496	Birmingham	UK	1	ERR2514747	R	S	S	S	R	S	S	S	S
16.0601182	Birmingham	UK	4 (S-type)	SAMN07658402	S	S	S	S	S	S	S	S	S
16.0609975	Birmingham	UK	3	ERR2514748	S	S	S	S	S	S	S	S	S
15.0615577	Birmingham	UK	4 (S-type)	ERR2514749	S	S	S	S	S	S	U	U	S
16.0617037	Birmingham	UK	3	ERR2514750	S	S	S	S	S	S	S	S	S
15.0607414	Birmingham	UK	3	SAMN07658399	S	S	S	S	S	S	S	S	S
13.0612468	Birmingham	UK	1	ERR2514751	S	S	S	S	S	S	S	S	S
16.0607576	Birmingham	UK	4	ERR2514752	S	S	S	S	R	S	S	S	S
14.0617126	Birmingham	UK	3	ERR2514753	S	S	S	S	S	S	U	S	S
15.0606017	Birmingham	UK	4 (Haarlem)	SAMN07658397	S	S	S	S	S	S	S	U	S
12.0617193	Birmingham	UK	1	ERR2514754	S	S	S	S	S	S	U	U	S
09.0600078	Birmingham	UK	1	ERR2514755	S	S	S	S	S	S	S	S	S
15.0601227	Birmingham	UK	3	ERR2514756	S	S	S	S	S	S	S	S	S
15.0607540	Birmingham	UK	1	ERR2514757	R	R	S	S	R	R	S	S	S
15.0607875	Birmingham	UK	3	SAMN07658396	S	S	S	S	S	S	S	S	S
15.0606178	Birmingham	UK	3	SAMN07658395	S	S	S	S	S	S	S	S	S
16.0618507	Birmingham	UK	4 (Haarlem)	ERR2514758	S	S	S	S	S	S	S	S	S
15.0607917	Birmingham	UK	3	SAMN07658393	S	S	S	S	S	S	S	S	S
14.0609983	Birmingham	UK	4	ERR2514759	S	S	S	S	S	S	S	S	S
15.0607331	Birmingham	UK	4 (S-type)	SAMN07658392	R	S	S	S	R	R	S	S	S
16.0617705	Birmingham	UK	3	ERR2514760	R	R	R	S	R	R	R	R	S
14.0609729	Birmingham	UK	4	ERR2514761	S	S	S	S	S	S	S	S	S
13.0617839	Birmingham	UK	4	ERR2514762	S	S	S	S	S	S	S	S	S
16.0601207	Birmingham	UK	4	SAMN07658397	S	S	S	S	S	S	S	S	S
13.0607146	Birmingham	UK	4	ERR2514763	S	S	S	S	S	S	S	S	S
14.0609809	Birmingham	UK	3	ERR2514764	R	S	S	S	R	S	S	S	S
16.0604924	Birmingham	UK	4 (Ural)	ERR2514765	S	S	S	S	S	S	S	S	S
15.0601196	Birmingham	UK	4 (X-type)	ERR2514766	S	S	S	S	S	S	S	S	F
16.0601262	Birmingham	UK	4 (LAM)	SAMN07658388	S	S	S	S	S	S	S	S	S
16.0607760	Birmingham	UK	4	ERR2514767	S	S	S	S	n/a	S	S	S	S
15.0613386	Birmingham	UK	1	SAMN07658384	R	S	S	S	R	S	S	S	S
14.0609017	Birmingham	UK	4 (LAM)	ERR2514768	S	S	S	S	S	S	S	S	S
14.0600126	Birmingham	UK	3	ERR2514769	S	S	S	S	S	S	S	S	S
12.0612305	Birmingham	UK	1	ERR2514770	S	S	S	S	S	S	S	S	S
17.0601034	Birmingham	UK	4	ERR2514771	S	S	S	S	S	F	S	S	S
16.0607951	Birmingham	UK	3	ERR2514772	S	S	S	S	S	S	S	S	S
13.0605712	Birmingham	UK	4 (LAM)	ERR2514773	S	S	S	S	S	S	S	S	S
13.0604544	Birmingham	UK	2	ERR2514774	S	S	S	S	S	S	S	S	S
11.0608173	Birmingham	UK	1	ERR2514775	S	S	S	S	S	S	S	S	S
11.0603999	Birmingham	UK		ERR2514776	S	S	S	S	S	S	S	S	S
10.0607425	Birmingham	UK	4 (Tur)	ERR2514777	S	S	S	S	S	S	S	S	S
13.0607670	Birmingham	UK	3	ERR2512697	S	S	S	S	S	S	S	S	S
16.0607439	Birmingham	UK		ERR2514778	S	S	S	S	S	U	S	S	S
13.0610363	Birmingham	UK	3	ERR2514779	S	S	S	n/a	S	S	S	U	S
14.0600813	Birmingham	UK	2	ERR2514780	S	S	S	S	S	S	S	U	S
15.0607533	Birmingham	UK	2	SAMN07658382	R	S	S	S	S	S	S	S	S
13.0611336	Birmingham	UK	3	ERR2514781	S	S	S	S	S	S	S	S	S
11.0608782	Birmingham	UK	3	ERR2514782	S	S	S	S	S	S	S	S	S
12.0615293	Birmingham	UK	3	ERR2514783	S	S	S	S	S	S	S	S	S
14.0609039	Birmingham	UK	4 (S-type)	ERR2514784	S	S	S	S	S	S	S	S	S
14.0600828	Birmingham	UK	4	ERR2514785	S	S	S	S	S	S	S	S	S
13.0613598	Birmingham	UK	4 (Haarlem)	ERR2514786	S	S	S	S	S	S	S	S	S
15.0607233	Birmingham	UK	1	SAMN07658376	S	S	S	S	S	S	S	S	S
14.0600127	Birmingham	UK	3	ERR2514787	S	S	S	S	S	S	S	S	S
16.0604337	Birmingham	UK	4	ERR2514788	S	S	S	S	S	S	S	S	S
16.0607526	Birmingham	UK		ERR2514789	S	S	S	S	S	S	S	S	S
13.0601244	Birmingham	UK	4 (LAM)	ERR2514790	S	S	S	S	S	S	S	S	S
16.0601437	Birmingham	UK	3	SAMN07658374	S	S	S	S	S	S	S	S	S
11.0609893	Birmingham	UK	4	ERR2514791	S	S	S	S	S	S	S	S	S
14.0600180	Birmingham	UK	4 (Haarlem)	ERR25133214	S	S	S	S	S	S	S	S	S
13.0613395	Birmingham	UK	1	ERR2514792	S	S	S	S	S	S	S	S	S
16.0601884	Birmingham	UK	3	ERR2514793	S	S	S	S	S	S	S	S	S
16.0618115	Birmingham	UK	4 (Haarlem)	ERR2514794	S	S	S	S	S	S	S	U	S
13.0603107	Birmingham	UK	2	ERR2514795	S	S	S	S	S	S	S	S	S
16.0606652	Birmingham	UK	4 (LAM)	ERR2514796	S	S	S	S	S	S	S	S	S
15.06010103	Birmingham	UK	4	SAMN07658372	S	S	S	S	S	S	S	S	S
16.0601637	Birmingham	UK	4 (Ural)	ERR2514797	S	S	S	S	S	S	S	S	S
14.0610425	Birmingham	UK	3	ERR2514798	S	S	S	S	S	S	S	S	S
13.0610114	Birmingham	UK	3	ERR2514799	S	S	S	S	S	S	S	S	S
14.0603544	Birmingham	UK	4 (LAM)	ERR2514800	R	S	S	S	R	S	S	S	S
14.0600448	Birmingham	UK	1	ERR2514801	S	S	S	S	S	F	S	S	S
13.0613501	Birmingham	UK	4 (Haarlem)	ERR2514802	S	S	S	S	S	S	S	S	S
16.0618365	Birmingham	UK	4 (Cameroon)	ERR2514803	S	S	S	S	S	S	S	S	S
15.0607116	Birmingham	UK	4	SAMN07658368	S	S	S	S	S	S	S	S	S
12.0611226	Birmingham	UK	4 (Haarlem)	ERR2514804	S	S	S	S	S	S	S	S	S
14.0609305	Birmingham	UK	1	ERR2514805	S	S	S	S	S	S	S	S	S
16.0607889	Birmingham	UK	3	ERR2514806	S	S	S	S</					

13.0604046	Birmingham	UK	2	ERR2514814	S	S	S	S	S	S	S
16.0607005	Birmingham	UK	1	ERR2514815	S	S	S	S	n/a	S	S
14.0611757	Birmingham	UK	3	ERR2514816	S	S	S	S	U	S	S
15.0605050	Birmingham	UK	2	SAMNO7658355	S	S	S	S	S	S	S
15.0607647	Birmingham	UK	1	SAMNO7658353	S	S	S	S	S	S	S
15.0601579	Birmingham	UK	1	ERR2514817	S	S	S	S	U	S	S
15.0607339	Birmingham	UK	4 (LAM)	SAMNO7658352	S	S	S	S	S	S	S
12.0611796	Birmingham	UK	4 (Haarlem)	ERR2514818	S	S	S	S	S	S	S
15.0601916	Birmingham	UK	4	SAMNO7658349	S	S	S	S	S	S	S
14.0609754	Birmingham	UK	1	ERR2514819	S	S	S	S	S	S	U
14.0600083	Birmingham	UK	3	ERR2514820	S	S	S	S	S	F	F
15.0607220	Birmingham	UK	2	ERR2514821	S	S	S	S	F	F	F
16.0601482	Birmingham	UK	4 (Haarlem)	SAMNO7658347	S	S	S	S	S	F	F
14.0604083	Birmingham	UK	4	SAMNO726536	S	S	S	S	S	S	S
16.0607150	Birmingham	UK	4 (x-type)	ERR2514822	n/a	n/a	n/a	S	S	S	S
16.0617061	Birmingham	UK	4 (Tur)	ERR2514823	S	S	S	S	S	S	S
15.0609819	Birmingham	UK	4	SAMNO7658344	S	S	S	S	S	S	S
09.0603467	Birmingham	UK	4 (Tur)	ERR2514824	S	S	S	S	S	F	S
13.0606478	Birmingham	UK	2	ERR2514825	S	S	S	S	S	S	S
13.0612756	Birmingham	UK	4 (x-type)	ERR2514826	S	S	S	S	S	S	S
15.0601714	Birmingham	UK	2	SAMNO7658342	S	S	S	S	S	S	S
13.0604076	Birmingham	UK	3	ERR2514827	S	S	S	S	S	S	S
15.0607332	Birmingham	UK	4	SAMNO7658341	S	S	S	S	S	S	S
12.0609354	Birmingham	UK	3	ERR2514828	S	S	S	S	S	S	S
15.0613013	Birmingham	UK	4 (Haarlem)	SAMNO7658340	S	S	S	S	S	S	S
15.0601184	Birmingham	UK	3	ERR2514829	S	S	S	S	S	S	S
13.0614470	Birmingham	UK	3	ERR2514830	S	S	S	S	S	S	S
13.0604885	Birmingham	UK	2	ERR2514831	S	S	S	S	S	S	S
16.0618451	Birmingham	UK	BCG	ERR2514832	S	S	S	R	S	S	S
13.0614325	Birmingham	UK	3	ERR2514833	S	S	S	S	S	S	S
15.0611234	Birmingham	UK	4 (Haarlem)	SAMNO7658329	S	S	S	S	S	S	S
15.0607304	Birmingham	UK	4 (LAM)	SAMNO7658328	S	S	S	S	S	S	S
14.0609878	Birmingham	UK	4	ERR2514834	S	S	S	S	S	U	S
12.0612864	Birmingham	UK	3	ERR2514835	S	S	S	S	S	S	S
16.0617186	Birmingham	UK	3	ERR2514836	S	S	S	S	S	S	S
16.0602435	Birmingham	UK	3	SAMNO7658326	S	S	S	S	S	S	S
16.0608037	Birmingham	UK	M. bovis	ERR2514837	S	S	S	R	S	S	S
14.0617424	Birmingham	UK	4	ERR2514838	S	S	S	S	S	S	S
11.0613488	Birmingham	UK	3	ERR2514839	S	S	S	S	S	S	S
15.0613473	Birmingham	UK	4	SAMNO7658322	S	S	S	S	S	S	S
15.0613290	Birmingham	UK	3	SAMNO7658321	S	S	S	S	S	S	S
15.0607145	Birmingham	UK	1	SAMNO7658320	S	S	S	S	S	S	S
16.0607171	Birmingham	UK	3	ERR2514840	S	S	S	S	S	S	S
16.0607580	Birmingham	UK	3	ERR2514841	S	S	S	S	U	S	S
13.0601530	Birmingham	UK	2	ERR2514842	R	S	S	R	S	S	S
15.0613325	Birmingham	UK	4 (LAM)	SAMNO7658317	S	S	S	S	S	S	S
13.0615544	Birmingham	UK	ERR2514843	S	S	S	S	S	S	S	
13.0612923	Birmingham	UK	1	ERR2514844	S	S	S	S	S	S	S
13.0613027	Birmingham	UK	4 (LAM)	ERR2514845	S	S	S	S	S	S	S
13.0604078	Birmingham	UK	3	ERR2514846	S	S	S	S	S	S	S
12.0617748	Birmingham	UK	3	ERR2514847	S	S	S	S	S	S	S
16.0601561	Birmingham	UK	2	ERR2514848	R	S	S	R	S	S	S
15.0607810	Birmingham	UK	3	SAMNO7658313	S	S	S	S	S	S	U
16.0601183	Birmingham	UK	3	SAMNO7658310	S	S	S	S	S	S	S
14.0600162	Birmingham	UK	4 (Haarlem)	ERR2514849	S	S	S	S	S	S	S
13.0605715	Birmingham	UK	2	ERR2514850	S	S	S	S	S	S	S
16.0601899	Birmingham	UK	3	ERR2514851	S	S	S	S	S	S	S
16.0618062	Birmingham	UK	4 (Haarlem)	ERR2514852	S	S	S	S	S	S	S
14.0609882	Birmingham	UK	4 (S-type)	ERR2514853	S	S	S	S	S	S	S
16.0601782	Birmingham	UK	4 (LAM)	ERR2514854	S	S	S	S	F	S	S
15.0601222	Birmingham	UK	4	ERR2514855	S	S	S	S	S	S	S
12.0613175	Birmingham	UK	3	ERR2514856	S	S	S	S	S	S	S
17.0601017	Birmingham	UK	2	ERR2514857	S	S	S	S	S	S	U
16.0617288	Birmingham	UK	2	ERR2514858	S	S	S	S	S	S	S
16.0601903	Birmingham	UK	1	ERR2514859	S	S	S	n/a	S	S	S
15.0605986	Birmingham	UK	4 (LAM)	SAMNO7658304	S	S	S	S	S	S	U
13.0606187	Birmingham	UK	1	ERR2514860	S	S	S	S	S	S	S
13.0602541	Birmingham	UK	4	ERR2514861	S	S	S	S	S	S	U
16.0617144	Birmingham	UK	4 (LAM)	ERR2514862	S	S	S	S	S	S	S
13.0612189	Birmingham	UK	3	ERR2514863	S	S	S	S	S	S	S
16.0607990	Birmingham	UK	1	ERR2514864	S	S	S	n/a	S	S	S
15.0601656	Birmingham	UK	4 (Tur)	SAMNO7658301	S	S	S	S	S	S	S
15.0607043	Birmingham	UK	4	SAMNO7658300	S	S	S	S	S	S	S
13.0613404	Birmingham	UK	1	ERR2514865	S	S	S	S	S	S	S
16.0608489	Birmingham	UK	2	ERR2514866	S	S	S	S	S	S	S
16.0601039	Birmingham	UK	4 (S-type)	SAMNO7658297	S	S	S	S	S	S	S
14.0616095	Birmingham	UK	3	ERR2514867	R	R	S	n/a	R	R	R
13.0613044	Birmingham	UK	3	ERR2514868	S	S	S	S	S	S	S
16.0601659	Birmingham	UK	3	ERR2514869	S	S	S	S	S	S	S
09.0600182	Birmingham	UK	3	ERR2514870	S	S	S	S	S	S	S
15.0607831	Birmingham	UK	4	SAMNO7658293	S	S	S	S	S	S	S
13.0604169	Birmingham	UK	3	ERR2514871	S	S	S	S	S	S	S
12.0611439	Birmingham	UK	3	ERR2514872	S	S	S	S	S	S	S
15.0601334	Birmingham	UK	3	ERR2514873	S	S	S	S	F	S	S
16.0601105	Birmingham	UK	4 (Cameroon)	SAMNO7658290	R	S	S	S	R	S	S
12.0927462	Birmingham	UK	3	ERR2514874	S	S	S	S	S	S	S
14.0600078	Birmingham	UK	4 (Haarlem)	ERR2514875	S	S	S	S	S	S	S
13.0609436	Birmingham	UK	3	ERR2514876	S	S	S	S	S	S	S
13.0608450	Birmingham	UK	3	ERR2512703	S	S	S	S	S	S	S
15.0607803	Birmingham	UK	4	SAMNO7658284	S	S	S	S	S	S	S
16.0601055	Birmingham	UK	4 (Haarlem)	SAMNO7658283	n/a	S	S	n/a	F	S	F
15.0613281	Birmingham	UK	4 (LAM)	SAMNO7658282	S	S	S	S	S	S	S
15.0613076	Birmingham	UK	3	SAMNO7658281	S	S	S	S	S	S	S
15.0601401	Birmingham	UK	4	ERR2514877	n/a	n/a	n/a	S	S	S	S
13.0607968	Birmingham	UK	4	ERR2514878	S	S	S	S	S	S	S
14.0600123	Birmingham	UK	4 (LAM)	ERR2514879	S	S	S	S	S	S	S
16.0604979	Birmingham	UK	4 (Tur)	ERR2514880	S	S	S	S	S	S	S
13.0604530	Birmingham	UK	4	ERR2512488	S	S	S	S	S	S	S
16.0604235	Birmingham	UK	4 (LAM)	ERR2514881	S	S	S	S	S	S	S
16.0601240	Birmingham	UK	4	SAMNO7658278	R	S	S	S	R	S	S
12.0612658	Birmingham	UK	2	ERR2514882	S	S	S	S	S	S	S
14.0600799	Birmingham	UK	4	ERR2514883	S	S	S	S	S	S	S
12.0613594	Birmingham	UK	4	ERR2514884	S	S	S	S	S	S	S
16.0601919	Birmingham	UK	4 (LAM)	ERR2514885	S	S	S	S	S	S	S
09.0603647	Birmingham	UK	1	ERR2514886	R	S	S	S	R	S	S
15.0607733	Birmingham	UK	2	ERR2514887	R	R	R	R	R	R	R
13.0604687	Birmingham	UK	3	ERR2514888	S	S	S	S	S	S	S
13.0611031	Birmingham	UK	4	ERR2514889	S	S	S	S	S	S	S
12.0608505	Birmingham	UK	4	ERR2514890	S	S	S	S	S	S	S
16.0607952	Birmingham	UK	2	ERR2514891	S	S	S	S	S	S	S
13.0613527	Birmingham	UK	3	ERR2514892	S	S	S	S	S	S	S
13.0607131	Birmingham	UK	3	ERR2514893	S	S	S	S	S	S	S
14.0603394	Birmingham	UK	3	ERR2514894	S	S	S	S	S	S	S
13.0617739	Birmingham	UK	4	ERR2514895	S	S	S	S	S	S	S
15.0603913	Birmingham	UK	3	ERR2514896	S	S	S	S	S	S	U
15.0607340	Birmingham	UK	4 (Tur)	SAMNO7658271	R	S	S	S	R	S	S
15.0607006	Birmingham	UK	4 (x-type)	SAMNO7658270	S	S	S	S	S	S	S
14.0607298	Birmingham	UK	4 (LAM)	ERR2514897	S	S	S	S	S	S	S
16.0607338	Birmingham	UK	1	ERR2514898	S	S	S	S	S	S	S
16.0608352	Birmingham	UK	4	ERR2514899	S	S	S	S	S	S	S
12.0611207	Birmingham	UK	4	ERR2514900	S	S	S	S	S	S	S
12.0927694	Birmingham	UK	4 (Tur)	ERR2514901	S	S	S	S	S	S	S

15.0601166	Birmingham	UK	4 (LAM)	ERR2514902	S	S	S	S	S	S	S	S	S
12.0606314	Birmingham	UK	3	ERR2514903	S	S	S	S	S	S	S	S	S
15.0607904	Birmingham	UK	4 (Haarlem)	SAMN07658263	S	S	S	S	S	S	S	S	S
16.0607086	Birmingham	UK	3	ERR2514904	S	S	S	S	S	S	S	S	S
12.0613159	Birmingham	UK	4	ERR2514905	S	S	S	S	S	S	S	S	S
15.0607764	Birmingham	UK	3	SAMN07658260	R	S	S	S	R	S	S	S	S
14.0609013	Birmingham	UK	4 (X-type)	ERR2514906	S	S	S	S	S	S	S	U	S
16.0612109	Birmingham	UK	4	ERR2514907	S	S	S	S	S	S	S	S	S
16.0607112	Birmingham	UK	3	ERR2514908	S	S	S	S	S	S	U	S	S
13.0610506	Birmingham	UK	4 (S-type)	ERR2514909	R	S	S	S	R	S	S	S	S
16.0601235	Birmingham	UK	4 (LAM)	SAMN07658257	S	S	S	S	S	S	S	S	S
14.0604540	Birmingham	UK	4 (LAM)	SAMN05276547	S	S	S	S	S	S	S	S	S
14.0609173	Birmingham	UK		ERR2514910	S	S	S	S	U	S	S	S	S
13.0603123	Birmingham	UK	4	ERR2514911	S	S	S	S	S	S	S	S	S
16.0600164	Birmingham	UK	4	SAMN07658256	S	S	S	S	S	S	S	S	S
13.0613523	Birmingham	UK	4	ERR2514912	S	S	S	S	S	S	S	S	S
16.0601534	Birmingham	UK	3	ERR2514913	S	S	S	S	S	S	S	S	S
09.0600324	Birmingham	UK	3	ERR2514914	S	S	S	S	S	S	S	S	S
15.0601957	Birmingham	UK	4	SAMN07658253	S	S	S	S	S	S	S	S	S
13.0612474	Birmingham	UK	2	ERR2514915	S	S	S	S	S	S	S	S	S
14.0600355	Birmingham	UK	1	ERR2514916	S	S	S	S	S	S	U	S	S
13.0613442	Birmingham	UK	3	ERR2514917	S	S	S	S	S	S	U	S	S
13.0609882	Birmingham	UK	6	ERR2514918	S	S	S	S	S	S	U	U	S
15.0613045	Birmingham	UK	2	SAMN07658250	S	S	S	S	F	R	S	S	S
15.0607541	Birmingham	UK	4 (Haarlem)	SAMN07658249	R	S	S	S	R	S	R	S	S
13.0600564	Birmingham	UK	1	ERR2514919	S	S	S	S	S	S	S	S	S
15.0601465	Birmingham	UK	1	ERR2514920	S	S	S	S	S	S	S	S	S
12.0609172	Birmingham	UK	3	ERR2514921	S	S	S	S	S	S	S	S	S
12.0614871	Birmingham	UK	1	ERR2514922	S	S	S	S	S	S	S	S	S
16.0601984	Birmingham	UK	3	ERR2514923	S	S	S	S	S	S	S	S	S
15.0616126	Birmingham	UK		ERR2514924	S	S	S	S	S	S	S	S	S
14.0602969	Birmingham	UK	3	SAMN05276548	S	S	S	S	S	S	S	S	S
15.0606556	Birmingham	UK	4 (LAM)	SAMN07658245	S	S	S	S	S	S	S	S	S
15.0606890	Birmingham	UK	3	SAMN07658244	R	S	S	S	R	S	S	S	S
15.0602296	Birmingham	UK	3	ERR2514925	S	S	S	S	S	S	U	S	S
16.0607975	Birmingham	UK	4 (Cameroon)	ERR2514926	S	S	S	S	F	F	S	S	S
13.0613434	Birmingham	UK	1	ERR2514927	S	S	S	S	S	S	S	S	S
15.0613142	Birmingham	UK	1	SAMN07658243	S	S	S	S	S	F	S	S	S
16.0605734	Birmingham	UK	2	ERR2514928	S	S	S	S	S	S	S	S	S
15.0601404	Birmingham	UK	1	ERR2514929	R	S	S	S	S	S	U	F	S
12.0615423	Birmingham	UK	3	ERR2514930	S	S	S	S	S	S	S	S	S
13.0612477	Birmingham	UK	2	ERR2514931	S	S	S	S	S	S	S	S	S
13.0609250	Birmingham	UK	3	ERR25127271	S	S	S	S	S	S	S	S	S
12.0607013	Birmingham	UK	4 (Haarlem)	ERR2514932	S	S	S	S	S	S	S	S	S
14.0605428	Birmingham	UK	4 (X-type)	ERR2514933	S	S	S	S	S	S	S	S	S
13.0609881	Birmingham	UK	3	ERR2514934	S	S	S	S	S	S	S	S	S
13.0604781	Birmingham	UK	3	ERR2514935	R	S	S	S	R	S	S	S	S
12.0610292	Birmingham	UK	4	ERR2514936	S	S	S	S	S	S	S	S	S
14.06006685	Birmingham	UK	4	ERR2514937	S	S	S	S	S	S	S	S	S
16.0601075	Birmingham	UK		SAMN07658239	S	S	S	S	S	S	S	S	S
16.0601920	Birmingham	UK	3	ERR2514938	S	S	S	S	S	S	S	S	S
16.0601301	Birmingham	UK	4 (LAM)	SAMN07658238	S	S	S	S	S	S	S	S	S
15.0605089	Birmingham	UK	1	SAMN07658237	S	S	S	S	S	S	S	S	S
13.0613535	Birmingham	UK	2	ERR2514939	S	S	S	S	S	S	S	S	S
14.0603656	Birmingham	UK	3	ERR2514940	S	S	S	S	S	S	S	S	S
16.0601840	Birmingham	UK	4	ERR2514941	S	S	S	S	S	S	S	S	S
15.0601269	Birmingham	UK	3	SAMN07658236	S	S	S	S	S	S	S	S	S
13.0611282	Birmingham	UK	2	ERR2514942	S	S	S	S	S	R	S	S	S
15.0602254	Birmingham	UK	4	ERR2514943	S	S	S	S	S	S	S	S	S
14.0609759	Birmingham	UK	3	ERR2514944	S	S	S	S	S	S	U	S	S
13.0615163	Birmingham	UK	3	ERR2514945	R	S	S	S	R	S	S	S	S
12.0611225	Birmingham	UK	3	ERR2514946	S	S	S	S	S	S	S	S	S
15.0601176	Birmingham	UK	4 (X-type)	ERR2514947	R	S	S	S	R	R	R	F	S
14.0609113	Birmingham	UK	4 (X-type)	ERR2514948	S	S	S	R	S	S	S	R	S
16.0607333	Birmingham	UK	3	ERR2514949	S	S	S	S	S	F	S	S	S
13.0613531	Birmingham	UK	3	ERR2514950	S	S	S	S	S	R	U	S	S
14.0600875	Birmingham	UK	4 (Haarlem)	ERR2514951	S	S	S	S	S	S	S	S	S
16.0603216	Birmingham	UK	1	ERR2514952	S	S	S	S	n/a	S	S	S	S
16.0618292	Birmingham	UK	4 (Haarlem)	ERR2514953	S	S	S	S	S	S	S	S	S
16.0609637	Birmingham	UK	3	ERR2514954	S	S	S	S	U	S	S	S	S
14.0609208	Birmingham	UK	M. bovis	ERR2514955	S	S	S	R	S	S	S	R	S
14.0609069	Birmingham	UK	4 (Haarlem)	ERR2514956	S	S	S	S	S	S	S	S	S
13.0607958	Birmingham	UK	M. avrygis	ERR2514957	S	S	S	S	S	S	S	S	S
13.0603158	Birmingham	UK	3	ERR2514958	S	S	S	S	S	S	S	S	S
14.0609250	Birmingham	UK	4 (Ural)	ERR2514959	S	S	S	S	S	S	S	S	S
13.0606713	Birmingham	UK	3	ERR2514960	S	S	S	S	n/a	S	S	S	S
15.0603908	Birmingham	UK	4 (LAM)	ERR2514961	S	S	S	S	S	S	S	S	S
16.0612329	Birmingham	UK	4 (S-type)	ERR2514962	S	S	S	S	n/a	S	S	R	S
12.0606859	Birmingham	UK	1	ERR2514963	R	S	S	S	S	S	S	S	S
12.0616372	Birmingham	UK	1	ERR2514964	S	S	S	S	S	S	S	U	S
13.0603103	Birmingham	UK	3	ERR2514965	S	S	S	S	S	S	S	S	S
13.0609677	Birmingham	UK	3	ERR2514966	S	S	S	S	S	S	S	S	S
13.0613396	Birmingham	UK	3	ERR2514967	S	S	S	S	S	S	S	S	S
15.0607686	Birmingham	UK	4 (LAM)	ERR2514968	S	S	S	S	S	S	S	S	S
11.0602205	Birmingham	UK	3	ERR2514969	S	S	S	S	S	S	S	S	S
13.0613538	Birmingham	UK	4 (LAM)	ERR2514970	S	S	S	S	S	S	S	S	S
12.0612302	Birmingham	UK	3	ERR2514971	S	S	S	S	S	S	S	S	S
14.0600404	Birmingham	UK	4	ERR2514972	S	S	S	S	S	S	S	S	S
16.0618001	Birmingham	UK	4 (Cameroon)	ERR2514973	S	S	S	S	S	S	S	S	S
16.0601244	Birmingham	UK	4 (Ural)	ERR2514974	R	S	S	S	R	S	S	S	S
15.0607643	Birmingham	UK	3	SAMN07658229	S	S	S	S	S	S	S	S	S
12.0609018	Birmingham	UK	3	ERR2514975	S	S	S	S	S	S	S	S	S
12.0615702	Birmingham	UK	4 (X-type)	ERR2514976	S	S	S	S	S	S	S	S	S
16.0614065	Birmingham	UK	3	ERR2514977	S	S	S	S	S	S	S	S	S
13.0605724	Birmingham	UK	3	ERR2514978	S	S	S	S	S	S	S	S	S
14.0612382	Birmingham	UK	M. bovis	ERR2514979	n/a	n/a	n/a	R	S	S	S	R	S
13.0604884	Birmingham	UK	4	ERR2514980	S	S	S	S	S	S	S	S	S
17.0601172	Birmingham	UK	2	ERR2514981	n/a	S	S	S	R	S	S	S	S
14.0602761	Birmingham	UK	4 (X-type)	ERR2514982	R	S	S	R	R	R	R	F	S
13.0607710	Birmingham	UK	3	ERR2514983	R	S	S	S	R	R	R	R	S
13.0606693	Birmingham	UK	3	ERR2514984	S	S	S	S	S	S	S	S	S
13.0609242	Birmingham	UK	4 (Tur)	ERR2514985	S	S	S	S	S	S	U	U	S
13.0613432	Birmingham	UK	3	ERR2514986	S	S	S	S	S	S	S	S	S
15.0613365	Birmingham	UK	3	SAMN07658223	S	S	S	S	S	S	F	S	S
13.0606700	Birmingham	UK	4	ERR2512641	S	S	S	S	S	S	S	S	S
13.0613384	Birmingham	UK	2	ERR2514987	S	S	S	S	S	S	S	S	S
09.0600986	Birmingham	UK	4 (Haarlem)	ERR2514988	S	S	S	S	n/a	S	S	S	S
16.0601254	Birmingham	UK	4	SAMN07658219	S	S	S	S	S	S	S	S	S
13.0606638	Birmingham	UK	3	ERR2514989	S	S	S	S	S	S	S	S	S
15.0613339	Birmingham	UK	1	SAMN07658218	S	S	S	S	n/a	U	S	S	S
14.0609264	Birmingham	UK	1	ERR2514990	S	S	S	S	S	S	S	S	S
10.0609538	Birmingham	UK	4 (Tur)	ERR2514991	S	S	S	S	S	S	S	S	S
11.0611029	Birmingham	UK	3	ERR2514992	S	S	S</						

13.0613345	Birmingham	UK	4 (X-type)	ERR2515002	S	S	S	S	S	S	S	S	S	S
13.0604188	Birmingham	UK	4	ERR2515003	S	S	S	S	S	S	S	S	S	S
13.0605721	Birmingham	UK	3	ERR2515004	S	S	S	S	S	S	S	U	S	S
13.0611015	Birmingham	UK	4	ERR2515005	S	S	S	S	S	S	S	S	S	S
15.0613109	Birmingham	UK	4 (LAM)	SAMN07658211	S	S	S	S	S	S	S	S	S	S
14.0600548	Birmingham	UK	3	ERR2515006	S	S	S	S	S	S	S	S	S	S
16.0607866	Birmingham	UK	3	ERR2515007	S	S	S	S	S	F	S	S	S	S
15.0601930	Birmingham	UK	3	SAMN07658208	R	S	S	S	R	U	S	S	S	S
13.0602081	Birmingham	UK	3	ERR2515008	S	S	S	S	S	S	S	S	S	S
14.0600826	Birmingham	UK	4 (LAM)	ERR2515009	S	S	S	S	S	S	S	S	S	S
15.0607780	Birmingham	UK	3	SAMN07658203	n/a	n/a	S	n/a	S	S	S	S	S	S
15.0613480	Birmingham	UK	3	SAMN07658200	S	S	S	S	S	S	S	U	S	S
13.0613399	Birmingham	UK	4	ERR2515010	S	S	S	S	S	S	S	S	S	S
14.0614289	Birmingham	UK	4 (Haarlem)	ERR2515011	S	S	S	S	S	S	S	U	S	S
12.0612492	Birmingham	UK	3	ERR2515012	S	S	S	S	S	U	S	S	S	S
15.0613012	Birmingham	UK	4	SAMN07658197	S	S	S	S	S	S	S	S	S	S
14.0603011	Birmingham	UK	3	SAMN05276556	S	S	S	S	S	S	S	S	S	S
15.0607570	Birmingham	UK	2	SAMN07658195	S	S	S	S	S	S	S	S	S	S
16.0608201	Birmingham	UK	2	ERR2515013	S	S	S	S	S	S	S	S	S	S
13.0613522	Birmingham	UK	4 (X-type)	ERR2515014	n/a	n/a	n/a	S	S	S	S	S	S	S
15.0607445	Birmingham	UK	4	SAMN07658193	S	S	S	S	S	S	S	S	S	S
13.0604550	Birmingham	UK	4 (LAM)	ERR2512516	S	S	S	S	S	S	S	S	S	S
12.0612518	Birmingham	UK		ERR2515015	S	S	S	S	S	S	S	S	S	S
15.0601337	Birmingham	UK	M. bovis	ERR2515016	S	S	S	R	S	S	S	R	S	S
16.0618390	Birmingham	UK	2	ERR2515017	S	S	S	S	S	S	S	S	S	S
13.0609468	Birmingham	UK	3	ERR2515018	S	S	S	S	S	S	S	S	S	S
13.0608235	Birmingham	UK	4	ERR2515019	S	S	S	S	S	S	S	S	S	S
13.0600576	Birmingham	UK	3	ERR2515020	S	S	S	S	S	S	S	S	S	S
14.0616029	Birmingham	UK	1	ERR2515021	S	S	S	S	S	S	S	S	S	S
16.0617298	Birmingham	UK	3	ERR2515022	S	S	S	S	S	S	S	S	S	S
15.0613457	Birmingham	UK	4	SAMN07658185	S	S	S	S	S	U	S	S	S	S
12.0615229	Birmingham	UK		ERR2515023	S	S	S	S	S	S	S	S	S	S
14.0601551	Birmingham	UK	3	ERR2515024	R	S	S	S	R	S	R	S	R	S
16.0601257	Birmingham	UK	4 (Tur)	SAMN07658184	S	S	S	S	S	S	S	S	S	S
14.0600871	Birmingham	UK	4 (Uganda)	ERR2515025	S	S	S	S	S	S	S	U	S	S
16.0607745	Birmingham	UK	4 (LAM)	ERR2515026	S	S	S	S	S	F	S	S	S	S
15.0613528	Birmingham	UK	M. orygis	SAMN07658183	S	S	S	S	S	S	S	S	S	S
16.0607560	Birmingham	UK	4 (Haarlem)	ERR2515027	S	S	S	S	S	S	S	S	S	S
12.0615244	Birmingham	UK	3	ERR2515028	S	S	S	S	S	S	S	S	S	S
13.0613227	Birmingham	UK	4 (LAM)	ERR2515029	S	S	S	S	S	S	S	S	S	S
16.0601449	Birmingham	UK	1	SAMN07658178	S	S	S	S	S	S	S	S	S	S
12.0611801	Birmingham	UK	4	ERR2515030	S	S	S	S	S	S	S	U	S	S
13.0613121	Birmingham	UK		ERR2515031	S	S	S	S	S	S	S	S	S	S
16.0601137	Birmingham	UK	4 (Haarlem)	SAMN07658176	S	S	S	S	S	S	S	S	S	S
14.0600830	Birmingham	UK	4 (LAM)	ERR2513421	S	S	S	S	S	S	S	S	S	S
14.0609770	Birmingham	UK	4 (X-type)	ERR2513707	S	S	S	S	S	S	S	S	S	S
16.0601987	Birmingham	UK	3	ERR2515032	S	S	S	S	S	F	F	S	F	F
15.0601347	Birmingham	UK	3	SAMN07658172	S	S	S	S	S	S	S	S	S	S
14.0602055	Birmingham	UK	3	ERR2515033	S	S	S	S	S	S	S	S	S	S
14.0616073	Birmingham	UK	4 (Haarlem)	ERR2515034	S	S	S	S	S	S	S	S	S	S
15.0601024	Birmingham	UK	1	ERR2515035	S	S	n/a	n/a	S	S	S	S	S	S
15.0613067	Birmingham	UK	2	SAMN07658168	S	S	S	S	S	S	S	S	S	S
15.0607098	Birmingham	UK	4 (S-type)	SAMN07658167	S	S	S	S	S	S	S	S	S	S
16.0605422	Birmingham	UK		ERR2515036	S	S	S	R	S	S	S	S	R	S
12.0614971	Birmingham	UK	3	ERR2515037	S	S	S	S	S	S	S	S	S	S
14.0600050	Birmingham	UK	3	ERR2513271	S	S	S	S	S	S	S	S	S	S
11.0606009	Birmingham	UK	4 (LAM)	ERR2515038	S	S	S	S	S	S	S	S	S	S
16.0617169	Birmingham	UK	4 (Haarlem)	ERR2515039	S	S	S	S	S	S	S	S	S	S
15.0607731	Birmingham	UK	4 (Haarlem)	ERR2515040	S	R	S	S	S	R	S	S	S	S
16.0607908	Birmingham	UK	4	ERR2515041	S	S	S	S	S	S	S	S	S	S
15.0607735	Birmingham	UK	2	ERR2515042	R	R	R	R	R	R	R	R	R	R
13.0613324	Birmingham	UK	3	ERR2515043	S	S	S	S	S	S	S	S	S	S
14.0600181	Birmingham	UK	4	ERR2515044	S	S	S	S	S	S	S	S	S	S
12.0611182	Birmingham	UK	4	ERR2515045	S	S	S	S	S	S	S	S	S	S
09.0601720	Birmingham	UK	3	ERR2515046	S	S	S	S	S	S	S	S	S	S
15.0607474	Birmingham	UK	3	SAMN07658161	S	S	S	S	S	S	S	S	S	S
14.0609552	Birmingham	UK	4	ERR2515047	S	S	S	S	S	S	S	S	S	S
15.0601210	Birmingham	UK	1	SAMN07658160	S	S	S	S	S	S	S	S	S	S
14.0609366	Birmingham	UK	3	ERR2515048	S	S	S	S	S	S	S	S	S	S
15.0601945	Birmingham	UK	2	SAMN07658158	S	S	S	S	S	S	S	S	S	S
12.0607577	Birmingham	UK	1	ERR2515049	S	S	S	S	S	S	S	S	S	S
15.0606898	Birmingham	UK	4 (Cameroon)	SAMN07658156	S	S	S	S	S	S	S	S	S	S
15.0607136	Birmingham	UK	3	SAMN07658155	S	S	S	S	S	S	S	S	S	S
13.0608423	Birmingham	UK	4 (X-type)	ERR2515050	S	S	S	S	S	S	S	S	S	S
14.0610316	Birmingham	UK	M. orygis	ERR2515051	S	S	S	S	S	S	S	S	S	S
10.0605692	Birmingham	UK	4	ERR2515052	S	S	S	S	S	S	S	S	S	S
15.0601756	Birmingham	UK	2	SAMN07658153	S	S	S	S	S	S	S	S	S	S
12.0613642	Birmingham	UK	3	ERR2515053	S	S	S	S	S	F	S	S	S	S
12.0612708	Birmingham	UK	2	ERR2515054	S	S	S	S	S	S	S	S	S	S
14.0603751	Birmingham	UK	4	SAMN05276558	S	S	S	S	S	S	S	S	S	S
16.0601645	Birmingham	UK	3	ERR2515055	S	S	S	S	S	F	S	F	S	F
15.0607090	Birmingham	UK	4 (X-type)	SAMN07658148	S	S	S	S	S	S	S	S	U	S
12.0616904	Birmingham	UK	3	ERR2515056	S	S	S	S	S	S	S	S	S	S
12.0602124	Birmingham	UK	4 (Uganda)	ERR2515057	S	S	S	S	S	S	S	S	S	S
15.0607274	Birmingham	UK	1	SAMN07658147	S	S	S	S	S	S	S	S	S	S
13.0611139	Birmingham	UK	3	ERR2515058	S	S	S	S	S	S	S	S	S	S
15.0602291	Birmingham	UK	3	ERR2515059	S	S	S	S	S	S	S	U	S	S
15.0613405	Birmingham	UK	3	ERR2515060	S	S	S	S	S	S	S	S	S	S
12.0614984	Birmingham	UK	4 (X-type)	ERR2515061	S	S	S	S	S	S	S	S	S	S
16.0617290	Birmingham	UK	2	ERR2515062	S	S	S	S	S	S	S	S	S	S
16.0600444	Birmingham	UK	4 (Haarlem)	ERR2515063	S	S	S	S	S	S	S	S	S	S
14.0609740	Birmingham	UK	4	ERR2513643	S	S	S	S	S	S	S	U	S	S
14.0616065	Birmingham	UK	2	ERR2515064	n/a	n/a	n/a	S	S	S	S	U	S	S
14.0609732	Birmingham	UK	4 (LAM)	ERR2515065	S	S	S	S	S	S	S	S	S	S
11.0606156	Birmingham	UK	1	ERR2515066	S	S	S	S	S	S	S	S	S	S
15.0607061	Birmingham	UK	4	SAMN07658144	R	S	S	S	R	S	S	S	S	S
13.0607711	Birmingham	UK	3	ERR2515067	S	S	S	S	S	S	S	S	S	S
13.0607999	Birmingham	UK	4 (Haarlem)	ERR2515068	S	S	S	S	S	S	S	S	S	S
16.0607605	Birmingham	UK	4 (S-type)	ERR2515069	S	S	S	S	S	S	S	S	S	S
15.0607952	Birmingham	UK	3	SAMN07658142	S	S	S	S	S	F	F	F	F	F
16.0601165	Birmingham	UK	4 (Haarlem)	SAMN07658140	S	S	S	S	S	S	S	S	S	S
13.0605001	Birmingham	UK	M. orygis	ERR2512533	S	S	S	S	S	U	S	S	S	S
17.0601218	Birmingham	UK	3	ERR2515070	S	S	S	S	S	S	S	S	S	S
16.0601259	Birmingham	UK	4	ERR2515071	S	S	S	S	S	S	S	S	S	S
13.0610173	Birmingham	UK	4 (Ural)	ERR2515072	R	S	S	S	R	S	S	S	S	S
13.0613117	Birmingham	UK	4 (X-type)	ERR2515073	S	S	S	S	S	S	S	S	S	U
14.0600679	Birmingham	UK	3	ERR2515074	S	S	S	S						

15.0613519	Birmingham	UK	4 (Ural)	SAMN07658130	R	S	S	S	F	S	U	F
14.0600071	Birmingham	UK	3	ERR2515085	S	S	S	S	S	S	S	S
16.0601230	Birmingham	UK	4	SAMN07658127	S	S	S	S	S	S	S	S
12.0611798	Birmingham	UK	1	ERR2515086	S	S	S	S	S	S	U	S
16.0614260	Birmingham	UK	1	ERR2515087	n/a	n/a	n/a	S	S	S	S	S
14.0609524	Birmingham	UK	1	ERR2515088	S	S	S	S	S	S	S	S
16.0618082	Birmingham	UK	3	ERR2515089	S	S	S	S	S	S	S	S
13.0610489	Birmingham	UK	5	ERR2515090	S	S	S	S	S	S	U	S
14.0600801	Birmingham	UK	2	ERR2515091	S	S	S	S	n/a	S	S	S
12.0601948	Birmingham	UK	4 (S-type)	ERR2515092	S	S	S	S	S	S	S	S
16.0607004	Birmingham	UK	4	ERR2515093	S	S	S	S	S	S	S	S
12.0611810	Birmingham	UK	4	ERR2512387	S	S	S	S	S	S	S	S
13.0608467	Birmingham	UK	3	ERR2515094	R	S	S	S	R	S	S	S
14.0600796	Birmingham	UK	4 (Haarlem)	ERR2515095	S	S	S	S	S	S	S	S
13.0609467	Birmingham	UK	3	ERR2515096	S	S	S	S	U	S	S	S
14.0609526	Birmingham	UK	3	ERR2515097	S	S	S	S	S	S	S	S
14.0600789	Birmingham	UK	3	ERR2515098	R	S	S	S	R	S	S	S
13.0607148	Birmingham	UK	3	ERR2515099	R	S	S	S	R	S	S	S
11.0610105	Birmingham	UK	3	ERR2515100	S	S	S	S	S	S	S	S
13.0602613	Birmingham	UK	4 (Cameroon)	ERR2515101	S	S	S	S	S	S	S	S
16.0605229	Birmingham	UK	3	ERR2515102	S	S	S	S	S	S	S	S
145464	British Columbia Centre for Disease Control	Canada	1	PRJNA413593	S	S	S	n/a	S	S	S	S
105433	British Columbia Centre for Disease Control	Canada	1	PRJNA413593	S	S	S	n/a	S	S	S	S
A9165	British Columbia Centre for Disease Control	Canada	2	PRJNA413593	R	S	S	n/a	R	S	S	S
105098	British Columbia Centre for Disease Control	Canada	1	PRJNA413593	S	S	S	n/a	S	S	S	S
133411	British Columbia Centre for Disease Control	Canada	4 (S-type)	PRJNA413593	S	S	S	n/a	S	S	S	S
145364	British Columbia Centre for Disease Control	Canada	3	PRJNA413593	R	S	S	S	R	S	S	S
A9053	British Columbia Centre for Disease Control	Canada	1	PRJNA413593	S	S	S	n/a	S	S	S	S
115419	British Columbia Centre for Disease Control	Canada	2	PRJNA413593	R	R	S	R	R	S	R	S
11350	British Columbia Centre for Disease Control	Canada	4 (Ural)	PRJNA413593	S	S	S	n/a	S	S	S	S
A65148	British Columbia Centre for Disease Control	Canada	2	PRJNA413593	S	S	S	n/a	S	S	S	S
13309	British Columbia Centre for Disease Control	Canada	4	PRJNA413593	S	S	S	n/a	S	S	U	S
A45024	British Columbia Centre for Disease Control	Canada	4 (LAM)	PRJNA413593	S	S	S	n/a	S	S	S	S
A85260	British Columbia Centre for Disease Control	Canada	2	PRJNA413593	R	S	S	n/a	R	S	S	S
A65372	British Columbia Centre for Disease Control	Canada	4 (S-type)	PRJNA413593	S	S	S	n/a	S	U	S	S
13350	British Columbia Centre for Disease Control	Canada	1	PRJNA413593	S	S	S	n/a	S	S	S	S
A75071	British Columbia Centre for Disease Control	Canada	4	PRJNA413593	S	S	S	n/a	S	S	S	S
105195	British Columbia Centre for Disease Control	Canada	2	PRJNA413593	S	S	S	n/a	S	S	S	S
A75217	British Columbia Centre for Disease Control	Canada	2	PRJNA413593	S	S	S	n/a	S	S	S	S
A85145	British Columbia Centre for Disease Control	Canada	3	PRJNA413593	S	S	S	n/a	S	S	S	S
A65145	British Columbia Centre for Disease Control	Canada	4	PRJNA413593	S	S	S	n/a	S	S	S	S
145063	British Columbia Centre for Disease Control	Canada	1	PRJNA413593	S	S	S	n/a	S	S	S	S
105354	British Columbia Centre for Disease Control	Canada	1	PRJNA413593	S	S	S	n/a	S	S	S	S
115045	British Columbia Centre for Disease Control	Canada	4 (S-type)	PRJNA413593	S	S	S	n/a	S	S	S	S
A55023	British Columbia Centre for Disease Control	Canada	4	PRJNA413593	R	S	S	S	R	S	S	S
12051	British Columbia Centre for Disease Control	Canada	4 (LAM)	PRJNA413593	S	S	S	n/a	S	S	S	S
A65400	British Columbia Centre for Disease Control	Canada	1	PRJNA413593	S	S	S	n/a	S	S	S	S
A55137	British Columbia Centre for Disease Control	Canada	4 (S-type)	PRJNA413593	S	S	S	n/a	S	S	S	S
135450	British Columbia Centre for Disease Control	Canada	3	PRJNA413593	S	S	S	n/a	S	S	S	S
A80507	British Columbia Centre for Disease Control	Canada	4 (Ural)	PRJNA413593	S	S	S	n/a	S	S	S	S
115234	British Columbia Centre for Disease Control	Canada	2	PRJNA413593	S	S	S	S	R	S	S	S
A8259	British Columbia Centre for Disease Control	Canada	4 (Haarlem)	PRJNA413593	S	S	S	n/a	S	S	S	S
145316	British Columbia Centre for Disease Control	Canada	1	PRJNA413593	S	S	S	n/a	R	S	S	S
123384	British Columbia Centre for Disease Control	Canada	4	PRJNA413593	S	S	S	n/a	S	S	S	S
A75235	British Columbia Centre for Disease Control	Canada	2	PRJNA413593	R	R	R	R	R	R	R	R
A65187	British Columbia Centre for Disease Control	Canada	4 (Haarlem)	PRJNA413593	S	S	S	n/a	S	S	S	S
135446	British Columbia Centre for Disease Control	Canada	3	PRJNA413593	S	S	S	n/a	U	S	S	S
115386	British Columbia Centre for Disease Control	Canada	4 (LAM)	PRJNA413593	S	S	S	n/a	S	S	S	S
A65025	British Columbia Centre for Disease Control	Canada	2	PRJNA413593	S	S	S	n/a	S	U	S	S
A55298	British Columbia Centre for Disease Control	Canada	1	PRJNA413593	S	S	S	n/a	S	S	U	S
A55070	British Columbia Centre for Disease Control	Canada	4 (S-type)	PRJNA413593	S	S	S	n/a	S	U	S	S
A55043	British Columbia Centre for Disease Control	Canada	3	PRJNA413593	R	S	S	S	R	S	S	S
A25309	British Columbia Centre for Disease Control	Canada	3	PRJNA413593	S	S	S	n/a	S	S	S	S
145308	British Columbia Centre for Disease Control	Canada	2	PRJNA413593	R	S	S	S	U	S	U	S
105171	British Columbia Centre for Disease Control	Canada	4	PRJNA413593	S	S	S	n/a	S	S	S	S
A55172	British Columbia Centre for Disease Control	Canada	2	PRJNA413593	S	S	S	n/a	U	S	S	S
A9079	British Columbia Centre for Disease Control	Canada	4 (LAM)	PRJNA413593	S	S	S	n/a	R	S	R	S
125025	British Columbia Centre for Disease Control	Canada	4	PRJNA413593	R	S	S	S	R	S	S	S
A85323	British Columbia Centre for Disease Control	Canada	3	PRJNA413593	R	R	R	R	R	R	R	R
11357	British Columbia Centre for Disease Control	Canada	1	PRJNA413593	R	S	S	R	S	S	S	S
A75265	British Columbia Centre for Disease Control	Canada	1	PRJNA413593	n/a	S	S	S	S	S	S	S
A8083	British Columbia Centre for Disease Control	Canada	4	PRJNA413593	S	S	S	n/a	S	S	S	S
123433	British Columbia Centre for Disease Control	Canada	4 (S-type)	PRJNA413593	S	S	S	n/a	S	U	S	S
A55131	British Columbia Centre for Disease Control	Canada	2	PRJNA413593	S	S	S	n/a	S	S	S	S
125182	British Columbia Centre for Disease Control	Canada	4 (Tur)	PRJNA413593	R	S	S	S	R	S	R	S
105312	British Columbia Centre for Disease Control	Canada	4 (Ural)	PRJNA413593	S	S	S	n/a	S	S	S	S
105348	British Columbia Centre for Disease Control	Canada	2	PRJNA413593	S	S	S	n/a	S	S	S	S
115159	British Columbia Centre for Disease Control	Canada	4 (LAM)	PRJNA413593	S	S	S	n/a	S	U	S	S
A9029	British Columbia Centre for Disease Control	Canada	4 (S-type)	PRJNA413593	S	S	S	n/a	U	S	S	S
105020	British Columbia Centre for Disease Control	Canada	2	PRJNA413593	S	S	S	n/a	S	S	S	S
A75267	British Columbia Centre for Disease Control	Canada	1	PRJNA413593	S	S	S	n/a	S	S	S	S
105291	British Columbia Centre for Disease Control	Canada	4 (Ural)	PRJNA413593	S	S	S	n/a	S	S	S	S
135095	British Columbia Centre for Disease Control	Canada	4 (Haarlem)	PRJNA413593	S	S	S	n/a	S	S	S	S
115411	British Columbia Centre for Disease Control	Canada	2	PRJNA413593	S	S	S	n/a	S	S	S	S
A45482	British Columbia Centre for Disease Control	Canada	4 (Ural)	PRJNA413593	S	S	S	n/a	S	S	S	S
135320	British Columbia Centre for Disease Control	Canada	2	PRJNA413593	S	S	S	n/a	S	S	S	S
A85004	British Columbia Centre for Disease Control	Canada	1	PRJNA413593	S	S	S	n/a	S	S	S	S
A75159	British Columbia Centre for Disease Control	Canada	4 (Ural)	PRJNA413593	S	S	S	n/a	S	S	S	S
A95356	British Columbia Centre for Disease Control	Canada	3	PRJNA413593	S	S	S	n/a	S	S	S	S
A85220	British Columbia Centre for Disease Control	Canada	4 (Haarlem)	PRJNA413593	S	S	S	n/a	S	S	S	S
105205	British Columbia Centre for Disease Control	Canada	2	PRJNA413593	S	S	S	n/a	S	S	S	S
A75068	British Columbia Centre for Disease Control	Canada	4 (Ural)	PRJNA413593	S	S	S	n/a	S	S	S	S
A75066	British Columbia Centre for Disease Control	Canada	4	PRJNA413593	S	S	S	n/a	S	S	S	S
A75041	British Columbia Centre for Disease Control	Canada	2	PRJNA413593	S	S	S	n/a	S	S	S	S
A55203	British Columbia Centre for Disease Control	Canada	4 (LAM)	PRJNA413593	S	S	S	S	R	S	S	S
A85290	British Columbia Centre for Disease Control	Canada	4 (Ural)	PRJNA413593	S	S	S	n/a	S	S	S	S
A85136	British Columbia Centre for Disease Control	Canada	4 (Haarlem)	PRJNA413593	S	S	S	n/a	S	S	S	S
A85191	British Columbia Centre for Disease Control	Canada	3	PRJNA413593	S	S	S	n/a	U	S	S	S
A15040	British Columbia Centre for Disease Control	Canada	1	PRJNA413593	S	S	S	n/a	S	S	S	S
A55059	British Columbia Centre for Disease Control	Canada	1	PRJNA413593	S	S	S	n/a	S	S	S	S
135289	British Columbia Centre for Disease Control	Canada	2	PRJNA413593	S	S	S	n/a	S	U	S	S
125376	British Columbia Centre for Disease Control	Canada	4 (Haarlem)	PRJNA413593	S	S	S	n/a	S	S	S	S
115136	British Columbia Centre for Disease Control	Canada	2	PRJNA413593	S	S	S	n/a	S	S	S	S
A65081	British Columbia Centre for Disease Control	Canada	2	PRJNA413593	R	R	R	R	R	R	R	U
115128	British Columbia Centre for Disease Control	Canada	4 (Ural)	PRJNA413593	S	S	S	n/a	S	S	S	S
135344	British Columbia Centre for Disease Control	Canada	3	PRJNA413593	S	S	S	n/a	U	S	S	S
A95395	British Columbia Centre for Disease Control	Canada	4	PRJNA413593	S	S	S	n/a	R	S	S	S
105050	British Columbia Centre for Disease Control	Canada	2	PRJNA413593	S	S	S	n/a	S	S	S	S
A55245	British Columbia Centre for Disease Control	Canada	2	PRJNA413593	S	S	S	n/a	S	S	S	S
A95001	British Columbia Centre for Disease Control	Canada	3	PRJNA413593	S	S	S	n/a	S	S	S	S
A95103	British Columbia Centre for Disease Control	Canada	4 (S-type)	PRJNA413593	S	S	S	n/a	S	U	S	S
135194	British Columbia Centre for Disease Control	Canada	4	PRJNA413593	S	S	S	n/a	S	S	S	S
A95120	British Columbia Centre for Disease Control	Canada	4 (S-type)	PRJNA413593	S	S	S	n/a	S	U	S	S
A85058	British Columbia Centre for Disease Control	Canada	4 (Haarlem)	PRJNA413593	S	S	S	n/a	S	S	S	S
A95211	British Columbia Centre for Disease Control	Canada	2	PRJNA413593	R	S	S	n/a	R	S	S	S
A55199	British Columbia Centre for Disease Control	Canada	3	PRJNA413593	S	S	S	n/a	S	S	U	S
115108	British Columbia Centre for Disease Control	Canada	2	PRJNA413593	S	S	S	n/a</				

145169	British Columbia Centre for Disease Control	Canada	3	PRJNA413593	S	S	n/a	S	U	S	S
125283	British Columbia Centre for Disease Control	Canada	2	PRJNA413593	S	S	n/a	S	S	S	S
145277	British Columbia Centre for Disease Control	Canada	2	PRJNA413593	S	S	n/a	S	S	S	S
105322	British Columbia Centre for Disease Control	Canada	2	PRJNA413593	S	S	n/a	S	S	U	S
A05075	British Columbia Centre for Disease Control	Canada	1	PRJNA413593	S	S	n/a	S	S	S	R
A75303	British Columbia Centre for Disease Control	Canada	4 (S-type)	PRJNA413593	S	S	n/a	S	U	S	S
A75017	British Columbia Centre for Disease Control	Canada	4 (Haarlem)	PRJNA413593	S	S	n/a	S	S	S	S
A75251	British Columbia Centre for Disease Control	Canada	1	PRJNA413593	S	S	n/a	S	S	S	S
A65158	British Columbia Centre for Disease Control	Canada	4 (Ural)	PRJNA413593	S	S	n/a	S	S	S	S
144409	British Columbia Centre for Disease Control	Canada	4 (Haarlem)	PRJNA413593	S	S	n/a	S	S	S	S
145086r	British Columbia Centre for Disease Control	Canada	2	PRJNA413593	S	S	n/a	S	S	S	S
A75092	British Columbia Centre for Disease Control	Canada	4 (Uganda)	PRJNA413593	S	S	n/a	U	S	U	S
125003	British Columbia Centre for Disease Control	Canada	2	PRJNA413593	S	S	n/a	S	S	U	S
125396	British Columbia Centre for Disease Control	Canada	4 (Haarlem)	PRJNA413593	S	S	n/a	S	S	S	S
125434	British Columbia Centre for Disease Control	Canada	4 (S-type)	PRJNA413593	S	S	n/a	S	U	S	S
A75361	British Columbia Centre for Disease Control	Canada	4 (S-type)	PRJNA413593	S	S	S	S	S	U	S
A90050	British Columbia Centre for Disease Control	Canada	4 (Haarlem)	PRJNA413593	S	S	n/a	S	S	U	S
135183	British Columbia Centre for Disease Control	Canada	3	PRJNA413593	S	S	n/a	S	S	S	S
A75054	British Columbia Centre for Disease Control	Canada	2	PRJNA413593	S	S	n/a	S	S	S	S
103579	British Columbia Centre for Disease Control	Canada	4 (S-type)	PRJNA413593	S	S	n/a	S	U	S	S
145065	British Columbia Centre for Disease Control	Canada	1	PRJNA413593	S	S	n/a	S	S	S	S
A25262	British Columbia Centre for Disease Control	Canada	1	PRJNA413593	S	S	n/a	S	S	S	S
0528A	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR133877	S	S	R	S	S	S	S
2414A	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR229935	R	S	S	R	S	S	S
0443H	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067627	R	R	S	R	R	R	R
0293V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133839	R	R	R	S	R	R	U
1292F	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR108472	S	S	S	S	S	S	S
0096F	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067608	R	R	S	S	R	S	S
1825K	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144562	R	R	S	S	R	R	U
0405R	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133860	R	R	S	S	R	R	R
0259H	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133827	R	R	R	R	R	R	U
2626F	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR234694	S	S	S	S	S	S	S
0197Q	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR133818	S	S	S	S	S	S	S
0820S	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133947	S	R	S	S	S	S	S
0401M	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133859	S	S	S	S	S	S	S
0556F	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133885	R	R	S	S	R	R	R
2180W	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR228039	R	R	R	R	R	R	F
2373F	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR229965	S	R	R	S	R	R	S
2565P	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR234669	R	R	S	R	R	R	R
0754W	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133924	R	S	S	S	R	U	R
0511G	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067761	R	R	S	S	R	R	R
0589R	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133888	R	R	R	S	R	S	R
0710Y	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR117454	R	R	S	R	R	R	R
0943B	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067643	R	R	R	S	R	R	R
2482Z	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR229944	S	S	S	S	U	S	S
1366L	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR137220	R	R	R	S	R	R	R
1456J	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR067700	R	R	R	R	n/a	U	S
0063V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR133800	R	R	S	R	R	R	R
2326E	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR228021	S	S	S	R	S	S	R
2042W	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR144624	R	R	R	S	R	R	S
1900R	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR144592	S	S	S	S	S	S	S
1626T	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067687	R	R	R	R	R	R	R
1466V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR067703	S	S	S	S	S	S	S
2597Z	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR234691	S	S	S	S	S	S	S
2344Z	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR229971	R	R	R	R	R	R	R
0427Q	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234575	R	S	S	R	R	S	F
1084E	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR133989	S	S	S	S	S	U	S
0024C	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR108463	S	S	S	S	S	S	S
0693E	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234642	S	S	S	S	S	S	S
0539M	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234600	R	R	R	R	R	R	R
1513W	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR137240	R	S	R	S	R	S	R
0309M	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR067603	R	R	R	R	R	R	R
0773R	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133930	R	R	S	S	R	R	U
2467H	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR229999	R	S	R	S	R	S	S
1176E	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR137195	S	S	S	S	S	U	S
0432W	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133862	R	S	S	S	R	S	S
0416D	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067745	R	S	S	S	R	R	S
2507B	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR229938	S	S	S	R	S	S	S
0132V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR133809	R	S	S	S	R	R	R
0995H	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133979	S	S	S	S	S	S	S
0395F	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133855	R	R	S	S	R	R	S
1673V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR108509	S	S	S	S	S	S	S
1605W	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067717	R	R	R	S	R	R	F
1805N	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144552	S	S	S	S	S	S	U
0640X	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR067599	R	R	R	S	R	R	R
1921P	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144600	R	R	R	S	R	R	U
0040V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234596	R	R	R	S	R	R	U
1054X	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR133985	R	S	S	S	R	S	S
1559W	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067715	R	R	R	S	R	U	F
1645P	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR108505	S	S	S	S	S	S	S
0660T	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR234586	S	S	S	S	U	S	S
2294V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR228043	R	R	S	R	R	R	R
0991D	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR108482	R	R	S	S	R	R	R
1418S	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR137228	R	S	S	S	R	S	S
0752T	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR133922	R	R	S	S	R	R	S
1849L	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR144569	S	S	S	S	S	S	S
2396F	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR229990	S	R	R	S	S	R	S
0070C	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR108501	S	S	S	S	S	S	S
1949V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR108453	R	R	R	R	R	R	R
1769Z	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144542	R	R	S	R	R	R	R
2585L	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR234684	S	S	S	S	S	S	S
1831R	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144564	R	S	S	S	R	S	S
0940Y	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067641	R	R	S	R	R	R	R
2559H	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR234667	S	S	S	S	S	U	S
1024P	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR108487	S	S	S	S	U	S	S
0228Z	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133820	S	S	S	S	S	S	S
0831E	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067653	R	R	R	S	R	R	R
1067L	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR108427	S	S	S	S	S	S	S
2227X	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR228009	R	R	S	S	R	R	S
0545T	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR234616	R	R	S	S	R	S	S
2339T	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR229931	R	R	R	R	R	R	R
1815Z	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144556	R	R	S	S	F	F	F
1473C	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067709	R	R	R	R	R	R	R
0630L	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067766	S	S	S	S	S	U	S
2071C	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144631	R	R	R	S	R	R	R

1592G	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR108432	S	S	S	S	S	S	S	S	S	S	S
2520Q	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234652	S	S	S	S	R	S	S	R	S	R	S
1353X	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR137216	R	S	S	S	R	R	S	R	S	R	R
2290Q	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR228027	S	S	S	S	S	S	S	S	S	S	S
1392P	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR137223	R	R	R	R	S	R	R	R	R	R	U
2133V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR158588	R	R	R	R	R	R	R	R	R	R	F
0889S	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR133965	S	S	S	S	S	S	S	S	S	S	S
0177T	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067580	S	S	S	S	S	S	S	S	S	S	S
0629K	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR117453	R	R	S	S	S	R	R	R	R	F	F
2438B	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR229959	S	S	S	R	R	S	U	S	S	S	S
2084R	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR158572	S	S	R	S	S	S	R	S	S	S	S
1616H	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR067684	S	S	S	S	S	U	S	S	S	S	S
1595K	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR108435	R	R	S	R	R	R	R	R	R	R	R
2033L	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144620	R	R	R	R	R	R	R	R	R	R	R
0659S	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR234578	S	S	S	S	S	S	S	S	S	S	S
0051G	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234620	R	S	R	R	R	R	S	S	S	S	S
1193Y	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR067679	R	R	S	S	R	R	R	R	R	S	R
2473P	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR229920	S	S	R	S	S	R	S	S	U	R	S
0899D	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133966	R	R	S	S	S	R	R	R	R	R	S
2385T	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR229918	R	R	R	S	R	R	F	F	F	F	F
0296Y	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133840	S	S	S	S	S	S	S	S	S	S	S
0649G	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234641	R	R	S	S	S	R	R	R	R	R	U
1561Y	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR117467	S	S	S	S	S	S	S	S	S	S	S
1250K	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR137206	R	R	S	S	S	R	F	F	F	F	
0847X	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR067666	S	S	S	S	S	S	R	S	S	S	S
1890F	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144588	R	S	S	S	S	R	S	S	S	S	S
0951K	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067674	R	R	R	S	R	R	R	R	R	R	U
2405Q	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR230006	R	R	R	S	R	F	S	S	S	S	S
2478V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR229928	S	S	R	S	R	S	S	S	S	S	S
0438C	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067625	R	R	R	S	R	R	R	R	R	S	
0757Z	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133926	S	S	S	S	S	S	S	S	S	S	S
2484B	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR229960	R	R	S	S	S	R	R	R	R	R	U
0159Z	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR067719	R	S	R	S	S	S	S	S	S	U	S
0868V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133958	S	S	S	S	S	S	S	S	S	S	S
0720J	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133913	R	S	S	S	R	S	S	U	S	S	S
0469L	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234560	R	R	R	S	R	R	R	R	R	R	U
0547W	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR067730	S	S	S	S	S	U	S	S	S	S	S
1917K	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144597	R	R	S	S	S	R	R	R	R	R	U
1492Y	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR227982	R	R	R	S	S	R	R	R	R	R	S
0188F	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067721	R	R	R	S	R	R	R	R	R	R	U
0663X	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR234594	R	R	S	S	S	R	F	S	S	S	S
1862A	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR144576	R	S	S	S	R	S	S	S	S	S	S
2303E	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR227988	S	S	S	S	S	S	S	S	S	S	S
2337R	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR229915	R	R	R	S	R	R	R	R	R	R	S
2069A	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR144629	S	S	S	S	S	S	S	S	S	S	S
2341W	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR229947	R	R	S	S	S	R	R	R	R	R	U
2007H	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144608	R	S	R	R	R	R	R	R	R	R	R
2500T	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR229985	S	S	S	S	S	U	S	S	S	S	S
2154S	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR158598	R	R	S	R	R	R	R	R	R	R	S
0166G	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR067577	R	R	S	S	R	R	R	R	R	S	S
0379N	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR067737	S	S	S	S	S	S	S	S	S	S	S
0275A	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR133832	S	S	S	S	R	S	S	S	S	S	S
0128Q	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR133807	S	S	S	S	S	S	S	S	S	S	U
2308K	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR227996	R	R	R	S	R	R	R	R	R	R	U
2411X	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR229927	R	R	R	S	R	F	S	S	S	S	R
2328G	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR228037	R	R	S	S	R	R	R	R	R	R	S
0061S	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067622	R	R	R	S	R	R	R	R	R	R	S
0928K	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR117460	R	R	R	S	R	R	R	R	R	R	U
0534G	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133882	S	R	S	S	R	R	S	S	S	S	S
2353G	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234660	R	R	R	S	R	R	R	R	R	R	U
0219P	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR067585	S	S	S	S	S	S	S	S	S	S	S
1323P	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR108503	R	R	R	S	R	R	R	R	R	R	U
0772Q	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133929	S	S	S	S	S	S	S	S	S	S	S
2390Z	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR229942	S	S	S	S	S	S	S	S	S	S	S
0728S	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR108457	R	S	R	R	R	R	R	R	R	R	U
2207A	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR228024	R	R	R	R	R	R	R	R	R	R	R
0028G	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR067614	S	S	S	S	S	S	S	S	S	S	S
0522T	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234584	R	R	R	S	R	R	R	R	R	R	R
0014K	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR234564	R	S	S	S	R	R	F	F	F	F	S
1049R	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR108420	R	R	R	S	R	R	R	R	R	R	S
2536H	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234661	R	R	R	R	R	R	R	R	R	R	R
0591T	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133890	R	R	S	S	R	R	R	R	R	R	R
1065J	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR108425	R	R	S	S	R	R	R	R	R	R	S
1076W	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR108445	S	S	S	S	R	S	S	S	S	S	S
1607V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR067680	S	S	S	S	S	S	S	S	S	S	S
2486D	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR229976	R	R	R	S	R	R	R	R	R	R	S
2080M	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144636	R	R	R	R	R	R	R	R	R	R	U
0967C	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR108473	R	R	S	S	R	R	R	R	R	R	U
1659E	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR108507	R	R	R	S	R	R	R	R	R	R	S
0509E	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067759	R	S	S	S	R	R	S	S	S	S	S
0912S	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR133971	S	S	S	S	S	S	S	S	S	S	S
0669D	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133902	R	R	S	S	S	R	R	R	R	R	U
2462C	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR229983	R	S	S	S	R	R	S	S	S	S	S
2271V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR228034	S	S	S	S	S	S	S	S	S	S	S
2175Q	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR228015	S	S	S	S	S	S	S	S	S	S	S
0068A	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86														

2352H	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR229924	R	R	R	S	R	R	R	R	U
2403N	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR229998	R	R	R	S	R	R	R	R	S
1818C	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144558	R	S	S	S	R	R	R	R	S
0353K	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR117451	S	S	S	S	S	S	S	S	S
1695T	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR137261	S	S	S	S	S	S	S	S	S
0502X	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR067757	S	S	S	S	S	S	S	S	S
2636R	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR234697	S	S	S	S	S	S	S	S	S
1504L	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR137239	S	S	S	S	S	S	S	S	S
0282H	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133837	R	R	S	S	R	F	S	S	S
1511T	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR227998	S	S	S	S	S	S	S	S	S
0154T	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR067767	S	S	S	S	S	U	S	S	S
2073E	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR244633	R	R	R	S	R	R	R	R	U
1860Y	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144575	R	R	S	S	R	R	R	R	U
1309Z	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR137212	R	S	S	S	R	S	S	S	S
2214H	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR228056	R	R	R	R	R	R	R	R	R
0011N	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234556	R	R	R	S	R	R	R	R	R
2513H	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR229970	S	S	S	S	S	S	S	S	S
2353J	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR229932	R	R	R	S	R	R	R	R	S
1588C	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR137249	S	S	S	S	S	S	S	S	S
1535V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR228014	R	S	S	S	R	S	S	S	S
1053W	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR108422	R	R	S	R	R	F	F	F	F
0638V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234609	R	R	R	S	R	R	R	R	U
2089X	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR158576	R	R	R	S	R	R	R	R	U
1422H	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR137230	R	R	R	S	R	R	R	R	U
0043Y	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR067617	S	S	S	S	S	S	S	S	S
1743W	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR137279	S	S	S	S	S	S	S	S	S
1634C	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR067690	S	S	S	R	S	S	S	S	S
0365Y	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234630	R	R	R	R	R	R	R	R	U
0730V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR133917	R	R	S	S	R	S	S	S	S
0860L	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR117457	S	S	S	S	S	S	S	S	S
0869W	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133959	R	R	S	S	R	R	R	R	U
2525W	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234653	R	R	S	S	S	R	R	R	U
1190V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR067677	R	R	S	R	R	R	S	R	S
0790K	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133941	S	S	S	S	S	S	S	S	S
0826Z	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133953	R	R	R	S	R	R	R	R	U
2481Y	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR229936	R	R	R	R	R	R	R	R	R
0905K	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067668	R	R	R	R	R	R	F	F	F
2570V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR234674	R	S	S	S	R	S	S	S	S
1623Q	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067686	R	S	S	S	S	S	S	S	S
0990C	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (S-type)	ERR108481	S	S	S	S	S	S	S	S	S
0848Y	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067667	R	R	R	S	R	R	R	R	U
0840P	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067660	R	R	R	S	R	R	R	R	S
0018W	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR108461	S	S	S	S	S	S	S	S	S
0833G	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067654	R	R	R	n/a	R	R	R	R	U
1920N	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144599	R	S	S	S	R	S	S	S	S
1472B	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR067708	S	S	S	S	S	S	S	S	S
0117G	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR108486	S	S	S	S	S	S	S	S	S
0286M	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR117450	S	S	S	S	S	S	S	S	S
2286L	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR228011	S	S	S	S	S	S	S	S	S
2111W	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR158582	S	S	S	S	S	S	S	S	S
1717S	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR137268	S	S	S	S	S	S	S	S	S
1570H	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR137247	R	R	R	R	R	R	R	R	R
0200T	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR133819	S	S	S	S	S	U	S	S	S
0665Z	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234610	R	R	S	S	R	R	R	R	S
0277C	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR133833	S	S	S	S	S	S	S	S	S
0996J	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR133980	R	S	S	S	S	S	S	S	S
2594W	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234690	S	S	S	S	S	S	S	S	S
0838M	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR067658	S	S	S	S	S	S	S	S	S
1945Q	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR144603	S	S	S	S	S	S	S	S	S
2291R	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR228035	S	S	S	S	R	R	R	R	S
1060D	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR108423	R	S	S	R	R	R	R	R	U
0799V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133944	R	R	S	S	R	R	R	R	U
1187R	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR067676	S	S	S	S	S	S	S	S	S
0944C	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067644	R	R	R	R	R	R	R	R	R
1773D	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144545	R	S	S	R	R	S	S	S	R
0384T	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067740	S	S	S	S	R	S	S	S	S
0896A	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234563	R	R	S	R	R	R	R	R	S
2006G	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144607	R	R	R	R	R	R	R	R	R
1901S	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144593	R	R	S	S	R	R	R	R	U
2589Q	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR234686	S	S	S	S	S	S	S	S	S
2199R	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR227992	S	S	S	S	S	S	S	S	S
2501V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR229993	R	R	R	R	R	R	R	R	R
0978P	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR108475	R	R	R	S	R	R	R	R	U
1042J	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133983	S	S	S	S	S	S	S	S	S
1596L	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR108426	R	R	R	S	R	R	R	R	U
0887Q	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133963	R	S	S	S	R	S	S	S	S
0942A	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133975	R	S	S	S	R	S	S	S	S
0786F	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR133937	R	R	S	S	R	R	R	R	S
0639W	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133898	S	S	S	S	S	S	S	S	S
0601E	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR234561	S	S	S	R	S	S	S	S	S
0448N	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR067748	R	R	S	S	R	R	R	R	S
2323B	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR227997	R	S	S	S	R	S	S	S	S
0311P	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133844	R	R	R	S	R	R	R	R	R
2072D	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144632	R	R	R	S	R	R	R	R	U
1770A	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144543	R	R	S	S	R	R	R	R	U
2211E	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR228048	R	S	S	S	R	S	S	S	S
0459A	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR067591	R	R	R	S	S	U	S	S	S
1633B	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067689	S	S	S	S	S	S	S	S	S
0352J	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067694	R	R	S	S	R	R	R	R	S
0468K	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234647	S	S	S	S	S	S	S	S	S
0498S	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR133870	S	S	S	S	S	S	S	S	S
0617X	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR133897	S	S	S	S	S	S	S	S	S
0367A	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2										

0910Q	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR067670	R	S	S	S	R	S	R	S	R	S
0544S	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR067729	S	S	S	S	R	S	R	S	R	S
2216K	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR227977	R	R	R	S	R	R	R	R	S	S
2127N	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR158585	R	R	R	S	R	R	R	R	S	U
1519C	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR137242	R	S	S	S	R	S	R	S	R	S
0897B	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR10458	R	R	S	S	R	R	R	R	R	U
2505Z	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR229922	R	R	R	S	R	R	R	R	S	S
2139B	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR158591	S	S	S	R	S	S	S	S	S	S
2433W	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR229943	S	S	S	S	S	S	S	S	S	S
1942M	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR144602	S	S	S	S	S	S	S	F	S	S
0734Z	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR117455	S	S	S	S	S	S	S	S	S	S
0195N	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR234558	S	S	S	S	R	S	U	S	S	S
0575B	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR234648	R	R	S	S	R	R	R	R	R	S
0364X	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR133851	S	S	S	S	U	S	S	S	S	S
0322B	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234598	R	R	R	S	R	R	R	R	S	U
2234E	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR228017	R	R	S	S	R	R	R	R	R	U
0604H	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR234577	R	S	S	S	R	S	S	S	S	S
0233E	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067586	R	S	R	R	R	R	R	S	R	R
2526K	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR234654	R	R	R	S	R	R	R	R	R	S
0125M	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133805	R	R	S	R	R	R	R	R	R	R
2097F	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR158581	R	R	R	S	R	R	R	R	R	S
0793N	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR133942	R	R	R	R	R	R	R	R	R	R
1627V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067688	S	S	S	S	S	S	S	S	S	S
0217M	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067583	R	R	R	S	R	R	R	R	R	U
2514J	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR229978	R	R	R	S	S	R	R	R	R	S
0888R	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR133964	S	S	S	S	S	S	S	S	S	S
0658R	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234570	R	R	S	S	R	R	R	R	R	U
1082C	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR108447	R	S	S	S	R	S	R	S	R	S
0761D	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR108467	R	R	R	S	R	R	R	R	R	U
1744X	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR137280	S	S	S	S	S	S	S	S	S	S
0600D	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR117452	R	R	S	S	S	R	R	R	R	R
0609N	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133895	R	R	S	S	S	R	R	R	R	U
0514K	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067592	R	R	S	R	R	R	R	R	R	U
2198Q	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR227984	S	S	S	S	S	S	S	S	S	S
2169J	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR227983	S	R	R	S	R	R	R	R	R	S
2243P	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR228049	R	R	R	R	R	R	R	R	R	F
1461P	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234651	R	S	R	R	R	R	F	R	R	R
2388X	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR229934	S	S	S	S	S	S	S	S	S	S
2639V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234698	R	R	S	S	S	R	R	R	R	U
0066Y	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR108498	R	R	R	R	R	R	R	R	R	R
1919M	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR144598	R	S	S	S	S	R	S	S	S	R
0355M	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR133850	S	S	S	S	S	S	S	S	S	S
0450Q	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067750	R	R	R	R	R	R	R	R	R	R
0218N	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067584	R	R	R	S	R	R	R	R	R	U
2078K	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144634	R	R	R	S	R	R	R	R	R	S
2324C	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR228005	S	S	S	S	S	S	S	S	S	S
1191W	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR137201	R	S	S	S	S	R	S	S	S	S
0873A	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR108440	S	S	S	S	S	S	S	S	S	S
2335P	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR228061	R	R	R	S	R	R	R	R	R	U
1858W	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144574	R	R	R	S	R	R	R	R	R	U
0399K	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR133857	S	S	S	S	S	S	S	S	S	S
1705E	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR137262	R	R	R	S	R	R	R	R	R	U
1397V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR137224	S	S	S	S	S	S	S	S	S	S
2625E	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR234693	R	S	S	S	S	R	S	S	S	S
0668C	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133901	R	R	R	S	R	R	R	R	R	R
2592T	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234688	R	S	R	R	R	R	R	R	R	R
2049D	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144625	R	R	S	S	S	F	S	S	S	S
2386V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR229926	R	R	R	S	R	R	R	R	R	S
0678N	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR234634	S	S	R	S	S	S	U	S	S	S
0818Q	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067651	R	R	R	S	R	R	R	R	R	U
1820E	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR144559	R	S	S	S	R	R	S	S	S	S
1256R	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR137207	S	S	R	S	S	S	S	U	S	S
1164R	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	3	ERR137193	S	S	S	S	S	S	S	S	S	S
1268E	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR137208	R	R	R	R	R	R	R	R	R	R
1676X	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR137285	S	S	S	S	S	S	S	S	S	S
0972H	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR133978	S	S	S	S	S	S	S	S	S	S
2371D	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR229949	R	R	R	R	R	R	R	R	R	R
0671F	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR133903	R	R	R	R	R	R	R	R	R	U
2487E	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR229984	R	R	R	S	R	R	R	R	R	R
2312P	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR228028	R	R	R	R	R	R	R	R	R	R
2302D	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR227980	R	S	R	S	R	S	R	S	R	S
0770N	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR108469	R	R	R	S	R	R	R	R	R	U
2090Y	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR158577	S	S	S	S	S	S	S	S	S	S
0402N	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067588	R	R	S	S	S	R	R	R	R	S
0904J	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR133969	R	S	S	S	R	S	S	S	S	S
0816N	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067649	R	R	S	S	R	R	R	R	R	U
0835J	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067656	R	R	S	S	R	R	R	R	R	S
2236G	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (S-type)	ERR228025	R	R	S	S	R	F	S	S	S	S
2219N	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR227985	R	R	R	R	R	R	R	R	R	R
2052G	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144628	R	R	R	S	R	R	R	R	R	U
2177S	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR228023	S	S	S	S	S	S	S	S	S	S
1342K	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR137215	R	R	S	S	S	S	S	S	S	S
1361F	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234603	S	S	S	S	S	S	S	S	S	S
1772C	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR144544	S	S	S	S	S	S	S	S	S	S
0696H	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133906	R	R	R	R	R	R	R	R	R	U
0183A	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234645	R	R	R	S	R	S	R	S	R	S
1455H	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR137233	R	S	R	S	R	S	R	S	R	S
0075H	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR117469	R	S	S	S	R	S	R	S	S	S
0458Z	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133866	R	R								

0992E	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR108483	S	S	S	S	U	S	S	S
2209C	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR228040	R	S	S	S	R	S	S	S
1137M	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR108497	S	S	S	S	S	S	S	S
1782N	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144548	R	R	S	S	R	R	R	U
1102Z	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR137191	S	S	S	S	S	S	S	S
0020Y	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR108462	R	R	R	R	R	R	R	R
0782B	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR133934	S	S	S	S	S	S	S	S
0527Z	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR133876	S	S	S	S	S	S	S	S
0817P	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067650	R	R	S	S	R	R	R	R
0268S	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR132829	S	S	S	S	S	S	S	S
2070B	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144630	S	S	S	S	S	S	S	S
1391N	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR137222	R	R	S	S	R	R	R	U
2150N	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR158596	R	R	S	S	R	R	R	R
1739C	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR137275	R	R	R	R	R	R	R	R
1657C	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR137255	R	R	S	R	R	R	R	R
2283H	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR228003	R	R	S	S	R	R	R	S
2170K	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR227991	S	S	S	S	S	S	S	S
0124L	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR133804	R	S	S	S	R	S	S	S
2317V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR228060	S	S	S	S	S	S	S	S
1451D	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR137232	S	S	S	S	S	S	S	S
0366Z	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234638	S	S	S	S	S	S	S	S
0555E	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR067732	R	S	R	R	F	F	S	F
2391A	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR229950	S	S	S	S	S	S	S	S
0508D	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067758	R	R	S	S	R	R	R	U
0628J	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067613	R	R	S	S	R	R	R	U
0822V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR133949	S	S	S	S	S	S	S	S
1908A	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144596	R	S	R	R	R	R	R	R
1757L	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR137282	R	R	S	S	R	R	U	S
0953M	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR067675	S	S	S	S	S	S	S	S
0345B	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067587	R	R	S	S	R	R	R	U
2491J	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR229921	R	R	S	S	R	R	R	U
0016T	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR108460	S	S	S	S	S	S	S	S
1542C	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR108452	S	S	S	S	S	F	S	S
1852P	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144571	R	R	R	R	R	R	R	R
0667B	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133900	R	R	R	R	R	R	S	R
0404Q	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067590	R	R	R	R	R	R	R	R
2408T	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR229919	S	S	S	S	S	S	S	S
0552B	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234624	R	S	S	S	R	S	S	S
0290R	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR133838	R	S	S	S	R	S	U	S
0385V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234646	R	R	S	S	R	R	R	S
0433X	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133863	S	S	S	S	S	S	S	S
1011A	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR133981	R	R	R	S	U	R	R	S
2340V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR229939	S	S	S	S	S	S	S	S
0512H	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067762	R	R	S	S	R	R	R	U
0906L	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133970	R	S	S	R	R	R	R	U
1680C	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR137256	S	S	S	S	S	S	S	S
0042X	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR117449	S	S	S	S	S	S	U	S
0700M	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133907	R	R	R	S	R	R	R	S
2248V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR228065	S	S	S	S	S	S	S	S
2591S	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR234687	S	S	S	S	S	S	S	S
1871K	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144582	S	S	S	S	S	S	U	S
1741T	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR137277	R	R	S	S	R	R	R	U
2499S	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR229977	S	S	S	S	S	S	S	S
0273Y	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133831	R	R	R	S	R	R	R	S
1870J	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144581	R	R	S	R	R	R	U	S
0111X	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234637	R	R	R	R	R	R	R	U
2247T	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR228057	S	S	S	S	S	S	S	S
1650V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR108506	S	S	S	R	S	S	U	R
0373G	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR067697	R	R	S	R	R	R	R	R
0420T	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR067726	S	S	S	S	S	S	S	S
1126A	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR108493	R	R	R	S	R	R	R	U
0653L	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133899	R	R	R	S	R	R	R	R
0283J	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234574	R	R	S	S	R	R	R	U
0784D	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133935	R	R	R	S	R	R	R	S
0960V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067635	R	R	S	S	R	R	R	R
1691P	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR137258	S	S	S	S	S	S	S	S
1737T	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR234627	R	R	S	S	R	R	S	S
1029V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR108488	R	R	S	R	R	R	R	S
2511F	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR229954	S	S	S	S	S	S	S	S
1346P	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR117470	R	R	R	S	R	R	R	U
1879T	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR144585	S	S	S	S	S	S	S	S
2081N	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR158569	S	R	S	S	S	R	S	S
0137A	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR133811	S	S	S	S	S	S	S	S
0403P	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067589	S	S	S	S	S	R	S	S
0060R	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234557	R	R	R	S	S	S	U	S
2357N	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR229948	S	S	S	S	S	S	S	S
0541P	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234608	R	R	S	S	R	R	R	R
0779Y	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR108470	S	S	S	S	S	S	S	S
0397H	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133856	R	S	R	S	R	R	S	S
1370Q	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234619	S	S	S	S	S	S	S	S
1522F	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR137243	R	R	R	R	R	R	R	R
2493L	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR229937	S	S	S	S	S	S	U	S
1475E	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067711	R	R	R	S	R	R	R	U
0466H	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234639	R	R	R	R	R	R	R	F
1723Z	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR117468	R	R	S	S	R	R	R	U
2376J	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR229973	S	S	S	S	S	S	S	S
0069B	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR108500	R	R	S	S	R	R	R	R
1072R	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR108429	R	S	S	S	R	S	S	S
1127B	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR108494	R	R	R	R	R	F	F	F
2379M	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR229989	R	S	S	S	R	S	U	S
0890T	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR108442	S	S	S	S	S	S	S	S
0157X	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067718	R	R	R	S	R	R	R	U
2162B	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR228062	R	R	R	R	R	R	R	R
1552N	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR137246	R	R	R	R	R	R	R	R
1735M	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR137271	R	R	R	R	R	F	F	F
1586A	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR137248	R	R	S	R	R	R	R	R
0536J	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR133883	S	S	S	S	S</			

1833T	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144566	R	R	R	S	R	R	S	R
2392B	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR229958	S	S	S	S	S	S	S	S
2441E	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR229975	S	S	S	S	S	S	S	S
1457K	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR137234	R	R	S	R	R	R	R	R
0939K	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR067640	S	S	S	S	U	S	S	S
2195M	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR227976	R	R	S	S	R	R	U	S
2050E	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144626	S	S	S	S	S	S	S	S
2276A	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR228058	R	S	S	S	R	S	U	S
1233R	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR137204	R	R	R	R	R	R	R	U
2347C	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR229987	S	S	S	S	S	S	S	S
1742V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR137278	S	S	S	S	S	R	S	S
2257E	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR228010	S	S	S	S	S	S	U	S
0406S	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067742	R	R	S	S	R	R	R	U
0348E	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067692	R	R	R	S	R	R	R	S
0175R	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067578	R	R	S	R	R	R	R	U
0570W	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133886	R	R	S	S	R	R	R	U
0672G	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133904	S	S	S	S	S	S	S	S
2497Q	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR229961	R	S	R	S	R	R	R	S
0400L	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR133858	R	R	R	S	R	R	S	S
2515K	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR229986	S	S	S	S	S	S	S	S
1694S	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR137260	R	R	S	S	R	R	R	S
1487S	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067713	S	S	S	S	S	S	S	S
0153S	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133815	R	R	S	R	R	S	S	R
2363V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR229988	R	R	S	S	R	R	F	S
0923E	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133973	S	S	S	S	S	R	S	S
1450C	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR108513	S	S	S	S	S	S	S	S
2287M	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR228019	R	R	S	S	R	R	R	U
0280F	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR133835	R	S	S	R	R	S	S	S
1837Y	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144567	R	R	R	R	R	R	R	R
1850M	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144570	R	R	S	S	R	R	U	S
2495N	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR229953	R	R	S	S	R	R	R	S
0573Z	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR067733	R	R	S	S	S	R	R	R
0717F	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR133912	S	S	S	S	S	S	S	S
0705S	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR133911	R	S	S	S	R	S	S	S
2134W	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR158589	R	R	S	R	R	S	S	S
2485C	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR229968	R	R	R	S	R	R	R	R
0805B	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133946	S	R	S	S	S	S	S	S
0911R	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067671	R	R	S	S	R	R	R	U
2298Z	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (S-type)	ERR228067	S	S	S	S	S	S	S	S
1074T	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR108444	S	S	S	S	S	S	S	S
1192X	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR067678	R	R	S	S	S	S	S	S
0812J	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067647	R	R	S	S	R	R	R	S
2393C	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR229966	R	R	R	S	R	R	R	U
2013P	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR144613	S	S	S	S	S	F	S	S
1732J	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR137270	S	S	S	S	S	S	S	S
2642Y	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR234699	R	R	S	S	R	R	S	S
1814Y	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR144555	S	S	S	S	S	S	S	S
2319X	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR227981	R	R	S	R	R	R	R	R
1678A	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR108510	R	R	S	R	R	R	R	R
0529B	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR133878	R	R	R	R	R	R	R	R
2378L	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR229981	S	S	S	S	S	S	S	S
2146I	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR158595	R	R	S	S	R	R	R	F
2564N	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234668	R	R	R	R	R	R	U	R
2325D	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR228013	R	R	R	S	R	R	R	U
1047P	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR108492	S	S	S	S	S	S	S	S
1540A	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR108451	S	S	S	S	U	S	S	S
0844T	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067663	R	R	R	S	R	R	R	U
0691C	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR133905	S	R	S	S	S	S	S	S
0824X	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133951	R	R	R	R	R	R	R	F
2140C	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR158592	R	R	S	S	R	R	R	U
2082P	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR158570	R	R	S	S	R	R	S	S
2129Q	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR158587	R	R	R	R	R	R	R	R
0851B	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR067636	R	S	S	R	U	S	S	S
2028F	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144619	R	R	R	S	R	R	R	R
2202V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR228008	S	S	S	S	S	S	S	S
2011M	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144611	R	R	S	S	R	R	R	U
0082Q	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234581	S	S	S	S	S	S	S	S
0235G	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR133822	S	R	S	R	S	S	S	S
1830Q	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144563	R	R	R	R	R	R	R	S
0336R	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR067606	S	S	S	S	S	S	S	S
2333M	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR228045	S	S	S	S	R	S	S	S
0032L	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067600	R	S	S	S	R	S	S	S
0913T	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067672	R	R	S	S	R	R	R	S
2338S	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR229923	R	R	R	S	R	R	R	U
2208B	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR228032	R	R	S	S	R	R	R	S
0724N	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR108456	S	S	S	S	S	S	S	S
2516L	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR229994	R	R	S	S	R	R	R	U
2517M	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR230002	S	S	S	S	S	S	S	S
0031K	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR158611	R	R	R	S	R	R	R	U
0988A	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR108480	R	R	R	R	R	R	R	R
1615G	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR067683	R	S	S	S	R	S	R	S
1128C	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR108495	R	R	R	S	R	R	R	S
2515C	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234657	R	R	R	R	R	R	R	U
0085T	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234589	R	R	R	S	R	R	R	U
2178T	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR228031	S	S	S	S	U	S	S	S
2334N	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR228053	S	S	S	S	S	U	S	S
0414B	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067743	S	S	S	S	S	S	S	S
0584L	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067604	S	S	S	R	S	S	U	S
0516M	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR133872	S	S	S	S	R	S	S	S
1904W	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144595	R	R	R	R	R	R	R	R
1593H	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR108433	S	S	S	S	S	S	S	S
0574A	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234640	S	S	S	S	S	S	S	S
0314S	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR067609	R	R	S	S	R	R	F	S
0721K	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133914	R	R	R	R	R	S	R	S
0716E	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR108455	R	R	S	R	R	R	R	R
0076J	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234565	R	R	S	S	R	R	R	U
0437B	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR067								

1467W	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067704	R	R	R	S	R	R	R	R	U
0149N	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133814	R	S	R	S	R	S	R	S	S
0163D	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067576	R	R	R	S	R	R	R	R	S
2310M	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR228012	R	R	R	S	R	R	R	R	R
0603G	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234569	R	S	S	S	R	S	S	S	S
1016F	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133982	R	R	S	S	R	R	R	U	S
0462D	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234623	R	R	S	S	R	R	R	R	U
0622C	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234593	R	R	S	S	R	R	R	R	U
2252Z	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR228002	S	S	S	S	S	S	S	S	S
2538K	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234663	S	S	S	S	S	S	S	S	S
2518N	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR230010	S	S	S	S	S	S	S	S	S
0776V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133932	S	S	S	S	S	S	S	S	S
0856G	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067637	S	S	S	S	S	S	S	S	S
2593V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR234689	S	S	S	S	S	U	S	S	S
0837L	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133955	R	S	S	S	R	S	U	S	S
0372F	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067696	R	R	S	S	R	R	U	S	S
2079L	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144635	R	R	R	R	R	R	R	R	R
0567S	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR067763	S	S	S	S	S	S	S	S	S
0338T	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234622	R	R	R	R	R	R	R	R	U
1737P	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR137273	R	R	S	S	R	R	R	R	S
2370C	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR229941	S	S	S	S	S	S	S	S	S
0611Q	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067595	S	S	S	S	S	S	S	S	S
1821F	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144560	R	R	R	R	R	R	R	R	R
0138B	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR133812	R	S	S	S	R	R	U	S	S
1182L	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR137197	R	S	R	S	S	R	S	S	S
0846W	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067665	R	R	R	R	R	R	R	R	U
0101L	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR067601	S	S	S	S	S	S	S	S	S
2027E	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR144618	R	S	S	S	F	S	S	S	S
2634P	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR234696	R	S	S	R	R	S	S	S	S
1066K	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR108426	R	R	R	S	R	R	R	R	S
1955B	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR144604	R	S	S	S	R	S	S	S	S
0842R	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR067661	R	S	S	S	R	S	R	S	S
1271H	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR137210	R	R	S	S	R	R	R	R	U
1532R	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR228006	R	R	S	R	R	R	R	R	R
2015R	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144614	S	S	S	S	S	S	S	S	S
1189T	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR137200	S	S	S	S	S	S	S	S	S
1324Q	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR108504	S	S	R	S	S	S	S	S	S
0647E	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234633	R	R	R	S	R	R	R	R	U
1048Q	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133984	R	R	R	R	R	R	R	R	R
1469Y	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067705	R	R	S	R	R	R	R	S	F
0987Z	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR108479	S	S	S	S	S	S	S	S	S
2163C	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR227975	R	R	S	S	R	R	S	S	S
2345A	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR229979	S	S	S	S	S	S	S	S	S
2631L	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	3	ERR234695	S	S	S	S	S	S	S	S	S
1738Q	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR137274	R	R	S	S	R	R	S	S	S
0596Z	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR133893	S	S	S	S	S	S	S	S	S
0131T	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR133808	S	S	S	S	S	S	S	S	S
2267Q	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR228026	R	S	S	S	R	S	S	S	S
2023A	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144616	S	S	S	S	S	S	S	S	S
0666A	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234618	R	R	R	S	R	R	R	R	U
0506B	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133871	S	S	S	S	S	S	S	S	S
1188S	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR137199	R	S	S	S	F	S	F	S	S
1509R	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR117463	R	R	S	S	R	R	R	U	S
2527Y	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234655	R	S	S	S	R	S	S	S	S
2361S	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR229972	S	S	S	S	S	S	S	S	S
2088W	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR158575	S	S	S	S	S	S	S	S	S
1653Y	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR137253	S	S	S	S	S	S	S	S	S
2039S	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144623	R	R	S	S	R	R	R	R	U
1071Q	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR108428	R	R	R	S	R	R	R	R	R
0518P	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133873	R	R	S	R	R	R	R	R	R
1503K	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR137238	S	S	S	S	S	S	S	S	S
0434Y	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR133864	S	S	S	S	S	S	S	S	S
1765V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR137283	R	R	S	S	R	R	R	R	U
0053J	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067620	R	R	R	S	R	R	R	R	U
1892H	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144590	R	R	R	S	R	R	R	R	R
2472N	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR230007	R	R	R	S	R	R	S	R	S
0389Z	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133854	R	R	R	S	R	R	R	R	S
0977N	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Haarlem)	ERR108474	R	R	S	R	R	R	R	R	R
1414N	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR137227	R	S	S	S	R	S	S	S	S
2581G	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234683	R	S	S	S	R	S	S	S	S
1604V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR067716	R	S	S	S	S	S	S	S	S
2336Q	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR228069	S	S	S	S	S	S	S	S	S
2174P	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR228007	S	S	S	S	S	S	S	S	S
0664Y	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234602	n/a	R	S	S	R	R	R	R	U
1336D	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR137214	S	S	S	S	S	S	S	S	S
0495P	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234576	R	R	R	S	R	R	R	R	U
2348D	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR229995	R	R	S	S	R	R	R	R	S
1802K	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144551	R	R	R	S	R	R	R	R	U
0190H	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067722	R	R	R	S	R	R	R	R	R
2327F	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR228029	R	R	S	S	R	R	R	R	U
2365X	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR230004	S	S	S	S	S	S	U	S	S
0475S	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067754	R	R	S	S	R	R	R	R	U
0756Y	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133925	S	S	S	S	S	S	S	S	S
0048D	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133799	R	S	S	S	R	S	R	S	S
1558V	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067714	R	R	R	R	R	R	R	R	R
1530P	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR108450	R	R	R	R	R	R	R	R	R
1237W	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR137205	R	S	R	S	S	S	S	S	S
0305H	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4	ERR133841	R	S	S	S	F	S	S	S	S
2266P	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR228018	S	S	S	S	S	S	U	S	S
0029H	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (Ural)	ERR067615	R	R	S	R	R	R	R	R	S
1422X	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR137229	R	R	R	R	R	R	R	R	S
2034M	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR144621	S	S	S	R	S	S	S	S	S
2586M	Casali et. al. Nat Genet. 2014 Mar;46(3):279-86	Russia	4 (LAM)	ERR234685	S	S	S	S</td					

2567R	Casali et al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234671	R	R	S	R	R	R	R	R	R	R
0823W	Casali et al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133950	S	S	S	S	S	S	S	S	R	S
2537J	Casali et al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR234662	R	S	R	S	R	S	S	R	S	S
0571X	Casali et al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR067765	R	R	S	S	R	R	F	F	F	F
0864Q	Casali et al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR108439	R	R	R	S	R	R	R	R	R	R
1869H	Casali et al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR144580	R	S	S	S	R	S	R	S	R	S
0041W	Casali et al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR108515	R	R	S	S	R	R	R	R	R	R
0370D	Casali et al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133852	S	R	S	S	R	R	R	R	R	S
2297Y	Casali et al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR228059	R	R	R	S	R	R	R	R	R	S
0821T	Casali et al. Nat Genet. 2014 Mar;46(3):279-86	Russia	2	ERR133948	S	S	S	R	S	S	S	S	S	S
12MY1752	Genoscreen	Belgium	4	ERR2516166	R	R	R	R	R	R	R	R	R	R
10MY0917	Genoscreen	Belgium	4	ERR2516167	R	R	R	R	R	R	R	R	R	U
13MY0792	Genoscreen	Belgium	4	ERR2516168	S	S	S	S	S	S	S	S	S	S
13MY0573	Genoscreen	Belgium	4	ERR2516169	S	S	S	S	S	S	S	S	S	S
13MY0452	Genoscreen	Belgium	4 (Haarlem)	ERR2516170	S	S	S	S	S	S	S	S	S	S
13MY0772	Genoscreen	Belgium	4 (LAM)	ERR2516171	S	S	S	S	S	S	S	S	S	S
13MY1139	Genoscreen	Belgium	3	ERR2516172	S	S	S	S	S	S	S	S	S	S
13MY0669	Genoscreen	Belgium	4 (Haarlem)	ERR2516173	S	S	S	S	S	S	S	S	S	S
13MY1440	Genoscreen	Belgium	4 (S-type)	ERR2516174	S	S	S	S	S	S	S	S	S	S
12MY1792	Genoscreen	Belgium	4 (LAM)	ERR2516175	R	R	S	R	R	R	R	R	R	R
07MY0662	Genoscreen	Belgium	4	ERR2516176	R	R	R	R	n/a	R	R	R	R	S
10MY1099	Genoscreen	Belgium	2	ERR2516177	R	R	R	R	R	R	R	R	R	R
13MY1270	Genoscreen	Belgium	4	ERR2516178	R	R	S	S	R	R	S	S	S	S
13MY1250	Genoscreen	Belgium	4 (Haarlem)	ERR2516179	S	S	S	S	F	F	F	S	F	S
13MY2090	Genoscreen	Belgium	3	ERR2516180	S	S	S	S	S	S	S	S	S	S
11MY0618	Genoscreen	Belgium	4 (LAM)	ERR2516181	R	R	R	R	R	R	R	R	R	R
08MY1539	Genoscreen	Belgium	2	ERR2516182	S	S	S	R	S	S	U	S	S	S
08MY0449	Genoscreen	Belgium	2	ERR2516183	R	R	R	R	R	R	R	R	R	R
13MY1366	Genoscreen	Belgium	4 (S-type)	ERR2516184	S	S	S	S	S	S	S	S	S	S
13MY2169	Genoscreen	Belgium	4 (LAM)	ERR2516185	S	S	S	S	S	S	S	S	S	S
09MY0190	Genoscreen	Belgium	2	ERR2516186	R	R	R	S	R	R	R	R	R	R
13MY2158	Genoscreen	Belgium	4 (Haarlem)	ERR2516187	S	S	S	S	S	S	U	S	S	S
14MY0713	Genoscreen	Belgium	2	ERR2516188	R	R	R	R	R	R	R	R	R	S
13MY0539	Genoscreen	Belgium	BCG	ERR2516189	S	S	S	R	S	S	U	R	S	R
08MY1353	Genoscreen	Belgium	4 (Haarlem)	ERR2516190	R	R	S	n/a	U	R	S	S	S	S
13MY0773	Genoscreen	Belgium	BCG	ERR2516191	S	S	S	R	S	S	S	S	S	R
15MY0145	Genoscreen	Belgium	4 (Tur)	ERR2516192	R	R	S	S	R	R	S	R	S	R
13MY1143	Genoscreen	Belgium	4	ERR2516193	S	S	S	S	S	S	S	S	S	S
13MY1533	Genoscreen	Belgium	2	ERR2516194	S	S	S	S	S	S	S	S	S	S
13MY0570	Genoscreen	Belgium	4 (Uganda)	ERR2516195	S	S	S	S	S	S	S	S	S	S
14MY0112	Genoscreen	Belgium	2	ERR2516196	R	R	R	R	R	R	R	R	R	R
13MY1206	Genoscreen	Belgium	4	ERR2516197	S	S	S	S	S	S	S	S	S	S
11MY0284	Genoscreen	Belgium	2	ERR2516198	R	R	R	S	R	R	R	R	R	S
14MY1450	Genoscreen	Belgium	4 (Haarlem)	ERR2516199	R	R	R	R	R	S	R	R	R	R
13MY0526	Genoscreen	Belgium	4 (S-type)	ERR2516200	S	S	S	S	S	S	S	S	S	S
13MY0757	Genoscreen	Belgium	4 (LAM)	ERR2516201	S	S	S	S	S	S	S	S	S	S
13MY1824	Genoscreen	Belgium	4 (Haarlem)	ERR2516202	S	S	S	S	S	S	S	S	S	S
13MY0319	Genoscreen	Belgium	2	ERR2516203	R	R	S	S	R	R	R	R	R	R
13MY1985	Genoscreen	Belgium	4 (Haarlem)	ERR2516204	S	S	S	S	S	S	S	S	S	S
13MY1307	Genoscreen	Belgium	4 (S-type)	ERR2516205	S	S	S	S	S	S	S	S	S	S
11MY1855	Genoscreen	Belgium	4 (LAM)	ERR2516206	R	R	R	R	R	R	R	R	R	R
13MY1557	Genoscreen	Belgium	M. bovis	ERR2516207	S	S	S	R	S	S	S	S	S	R
08MY0205	Genoscreen	Belgium	4 (LAM)	ERR2516208	R	R	R	R	S	R	R	R	R	S
08MY1581	Genoscreen	Belgium	2	ERR2516209	R	R	R	R	R	R	R	R	R	U
13MY1309	Genoscreen	Belgium	3	ERR2516210	S	S	S	S	S	S	S	S	S	S
13MY1985	Genoscreen	Belgium	4 (Haarlem)	ERR2516211	S	S	S	S	S	S	S	S	S	S
13MY1307	Genoscreen	Belgium	4 (LAM)	ERR2516212	S	S	S	S	S	S	S	S	S	S
13MY0494	Genoscreen	Belgium	2	ERR2516213	R	R	R	R	R	R	R	R	R	R
14MY2137	Genoscreen	Belgium	2	ERR2516214	R	R	S	R	R	R	R	F	F	F
13MY2202	Genoscreen	Belgium	BCG	ERR2516215	S	S	S	R	S	S	S	S	R	R
13MY1114	Genoscreen	Belgium	4	ERR2516216	S	S	S	S	S	S	S	S	S	S
08MY0349	Genoscreen	Belgium	2	ERR2516217	R	R	R	R	R	R	R	R	R	R
13MY1467	Genoscreen	Belgium	4 (S-type)	ERR2516218	S	S	S	S	S	S	S	S	S	S
08MY0385	Genoscreen	Belgium	2	ERR2516219	R	R	S	S	U	R	S	S	S	S
14MY1571	Genoscreen	Belgium	4	ERR2516220	R	R	S	R	R	R	S	R	S	R
13MY2082	Genoscreen	Belgium	4 (Haarlem)	ERR2516221	S	S	S	S	S	S	S	S	S	S
13MY2202	Genoscreen	Belgium	4 (Haarlem)	ERR2516222	S	S	S	S	S	S	S	S	S	S
13MY1123	Genoscreen	Belgium	4 (Haarlem)	ERR2516223	S	S	S	S	S	S	S	S	S	S
13MY1199	Genoscreen	Belgium	4 (LAM)	ERR2516224	S	S	S	S	S	S	S	S	S	S
13MY1221	Genoscreen	Belgium	4	ERR2516225	S	S	S	S	S	S	S	S	S	S
09MY0467	Genoscreen	Belgium	2	ERR2516226	R	R	R	R	R	R	R	R	R	S
13MY1311	Genoscreen	Belgium	4	ERR2516227	S	S	S	S	S	S	S	S	S	S
13MY0822	Genoscreen	Belgium	4	ERR2516228	S	S	S	S	S	S	S	S	S	S
07MY1001	Genoscreen	Belgium	2	ERR2516229	R	R	R	R	n/a	R	R	R	R	R
13MY1442	Genoscreen	Belgium	2	ERR2516230	R	R	R	R	R	R	R	R	R	R
13MY2048	Genoscreen	Belgium	4 (Haarlem)	ERR2516231	S	S	S	S	S	S	S	S	S	S
07MY0942	Genoscreen	Belgium	4 (Uganda)	ERR2516232	R	R	R	R	n/a	R	R	R	R	R
13MY0518	Genoscreen	Belgium	4 (Haarlem)	ERR2516233	S	S	S	S	S	S	S	S	S	S
13MY1981	Genoscreen	Belgium	4 (Haarlem)	ERR2516234	S	S	S	S	S	S	S	S	S	S
13MY0965	Genoscreen	Belgium	4 (Haarlem)	ERR2516235	S	S	S	S	S	S	S	S	S	S
13MY1265	Genoscreen	Belgium	4 (Haarlem)	ERR2516236	S	S	S	S	S	S	S	S	S	S
07MY0789	Genoscreen	Belgium	4 (Uganda)	ERR2516237	R	R	R	R	n/a	R	R	R	R	R
13MY1881	Genoscreen	Belgium	4 (Haarlem)	ERR2516238	S	S	S	S	S	S	S	S	S	S
13MY0493	Genoscreen	Belgium	2	ERR2516239	R	R	R	R	R	R	R	R	R	R
13MY2178	Genoscreen	Belgium	2	ERR2516240	S	S	S	S	S	S	S	S	S	S
13MY1294	Genoscreen	Belgium	4 (Haarlem)	ERR2516241	S	S	S	S	S	S	S	S	S	S
13MY1242	Genoscreen	Belgium	4 (Cameroon)	ERR2516242	S	S	S	S	S	S	S	S	S	S
14MY0483	Genoscreen	Belgium	2	ERR2516243	R	R	S	R	R	R	R	R	R	R
13MY0848	Genoscreen	Belgium	4 (LAM)	ERR2516244	S	S	S	S	S	S	S	S	S	S
13MY0161	Genoscreen	Belgium	2	ERR2516245	R	R	R	S	R	R	R	R	R	S
13MY1660	Genoscreen	Belgium	4 (S-type)	ERR2516246	S	S	S	S	S	S	S	S	S	S
13MY2039	Genoscreen	Belgium	4 (LAM)	ERR2516247	S	S	S	S	S	S	S	S	S	S
13MY1240	Genoscreen	Belgium	4	ERR2516248	S	S	S	S	S	S	S	S	S	S
07MY0787	Genoscreen	Belgium	2	ERR2516249	R	R	R	R	n/a	R	R	R	R	R
13MY1516	Genoscreen	Belgium	4 (Haarlem)	ERR2516250	S	S	S	S	S	S	S	S	S	S
09MY0069	Genoscreen	Belgium	4	ERR2516251	R	R	R	R	n/a	R	R	R	R	U
10MY1172	Genoscreen	Belgium	BCG	ERR2516252	R	R	S	R	R	R	R	R	S	R
13MY2092	Genoscreen	Belgium	4 (Haarlem)	ERR2516253	S	S	S	S	S	S	S	S	S	S
11MY1029	Genoscreen	Belgium	2	ERR2516254	R	R	S	R	R	R	R	R	R	R
08MY0089	Genoscreen	Belgium	Ghana	ERR2516255	R	R	R	R	R	R	R	R	U	U
08MY1089	Genoscreen	Belgium	2	ERR2516256	R	R	R	R	R	R	R	R	R	R
12MY1616	Genoscreen	Belgium	4 (LAM)	ERR2516257	R	R	R	S	R	R	R	R	R	S
13MY1823	Genoscreen	Belgium	4 (LAM)	ERR2516258	S	S	S	S	S	S	S	S	S	S
13MY0991	Genoscreen	Belgium	4 (Haarlem)	ERR2516259	S	S	S	S	S	S	S	S	S	S
13MY1200	Genoscreen	Belgium	4	ERR2516260	S									

12848-13	Hamburg	Germany	3	ERR2199821	R	S	S	S	S	S	S	S	S
108-14	Hamburg	Germany	4 (Haarlem)	ERR2199781	S	S	S	S	S	S	S	S	S
10078-13	Hamburg	Germany	4 (Haarlem)	ERR2199746	S	S	S	S	S	S	S	S	S
3936-02	Hamburg	Germany	2	ERR551572	S	S	S	S	S	R	S	S	S
9652-13	Hamburg	Germany	3	ERR2200140	S	S	S	S	S	S	S	S	S
4502-14	Hamburg	Germany	4 (Cameroon)	ERR2199963	S	S	S	S	S	S	S	S	S
				ERR551584									
10459-03	Hamburg	Germany	4	ERR551585	S	S	S	S	S	S	S	S	S
				ERR552332									
10264-03	Hamburg	Germany	4 (Tur)	ERR552333	S	S	S	S	S	S	S	S	S
10393-14	Hamburg	Germany	4 (LAM)	ERR2199763	R	R	S	S	R	R	S	S	S
5192-14	Hamburg	Germany	3	ERR2200012	S	S	S	S	S	S	S	S	S
4092-13	Hamburg	Germany	4	ERR2199915	S	S	S	S	S	S	S	U	S
				ERR551674									
4880-01	Hamburg	Germany	4 (Haarlem)	ERR551675	S	S	S	S	S	S	S	S	S
1908-15	Hamburg	Germany	4 (Haarlem)	ERR2199849	S	S	S	S	S	S	S	S	S
9139-14	Hamburg	Germany	4 (Tur)	ERR2200128	S	S	S	S	S	S	S	S	S
				ERR2200129									
2533-15	Hamburg	Germany	4 (Haarlem)	ERR2199863	S	S	S	S	S	S	S	S	S
11734-02	Hamburg	Germany	4 (Haarlem)	ERR551288	S	S	S	S	S	S	S	S	S
3883-14	Hamburg	Germany	4 (Haarlem)	ERR2199912	S	S	S	S	S	S	S	S	S
1084-13	Hamburg	Germany	4 (S-type)	ERR2199783	S	S	S	S	S	S	S	S	S
12849-13	Hamburg	Germany	4 (S-type)	ERR2199822	S	S	S	S	S	S	S	S	S
				ERR551865									
947-01	Hamburg	Germany	1	ERR551866	S	S	S	S	S	S	S	S	S
				ERR2200122									
				ERR551111									
8753-00	Hamburg	Germany	M. microti	ERR551112	S	S	S	S	U	S	U	S	S
11435-14	Hamburg	Germany	M. bovis	ERR2199797	S	S	S	S	S	S	S	R	S
10038-14	Hamburg	Germany	4 (Haarlem)	ERR2199743	S	S	S	S	U	S	S	S	S
10759-13	Hamburg	Germany	2	ERR2199779	R	R	R	R	R	R	R	R	R
7742-14	Hamburg	Germany	4	ERR2200106	S	S	S	S	S	S	S	S	S
12508-13	Hamburg	Germany	4 (LAM)	ERR2199817	S	S	S	S	S	S	S	S	S
9746-13	Hamburg	Germany	4	ERR2200141	S	S	S	S	S	S	S	S	S
6339-13	Hamburg	Germany	3	ERR2200081	S	S	S	S	S	S	S	S	S
				ERR2199880									
2866-13	Hamburg	Germany	3	ERR2199881	S	S	S	S	S	S	S	S	S
6713-13	Hamburg	Germany	4	ERR2200089	S	S	S	S	S	S	S	S	S
				ERR2199984									
4855-13	Hamburg	Germany	Ghana	ERR2199985	S	S	S	S	S	S	S	S	S
3118-13	Hamburg	Germany	4	ERR2199893	R	S	S	S	R	S	U	S	S
3674-14	Hamburg	Germany	3	ERR2199904	S	S	S	S	S	S	S	S	S
1856-13	Hamburg	Germany	4	ERR2199846	S	S	S	S	S	S	S	S	S
2988-14	Hamburg	Germany	4 (Haarlem)	ERR2199887	S	S	S	S	S	S	S	S	S
4498-13	Hamburg	Germany	4 (LAM)	ERR2199962	S	S	S	S	S	S	S	U	S
1144-15	Hamburg	Germany	3	ERR2199798	S	S	S	S	S	S	S	U	S
				ERR2200150									
998-15	Hamburg	Germany	1	ERR2200151	S	S	S	S	S	S	S	S	S
5551-14	Hamburg	Germany	4 (Haarlem)	ERR2200036	S	S	S	S	S	S	S	S	S
8798-14	Hamburg	Germany	4	ERR2200124	S	S	S	S	S	S	S	S	S
				ERR2200137									
9563-14	Hamburg	Germany	2	ERR2200138	R	R	R	R	R	R	R	R	R
2095-13	Hamburg	Germany	4	ERR553293	S	S	S	S	S	S	S	S	S
934-13	Hamburg	Germany	4 (S-type)	ERR2200132	S	S	S	S	S	S	S	S	S
1858-13	Hamburg	Germany	4	ERR2199847	S	R	S	S	S	R	S	S	S
4508-14	Hamburg	Germany	4	ERR2199964	S	S	S	S	S	S	S	S	S
132-15	Hamburg	Germany	2	ERR1768629	R	R	R	R	R	R	R	R	R
10582-13	Hamburg	Germany	3	ERR2199773	S	S	S	S	S	S	S	U	S
				ERR551315									
9002-01	Hamburg	Germany	4 (Haarlem)	ERR551316	S	S	S	S	S	S	S	S	S
				ERR498357									
2387-04	Hamburg	Germany	4 (Haarlem)	ERR498359	S	S	S	S	S	S	S	S	S
378-14	Hamburg	Germany	2	ERR2199905	S	S	S	S	S	S	S	S	S
				ERR552251									
2319-03	Hamburg	Germany	4 (LAM)	ERR552252	S	S	S	S	S	S	S	S	S
8753-14	Hamburg	Germany	4 (Haarlem)	ERR2200123	S	S	S	S	S	S	U	S	S
8454-14	Hamburg	Germany	4 (Haarlem)	ERR2200116	S	S	S	S	S	S	S	S	S
4201-13	Hamburg	Germany	4	ERR2199917	S	S	S	S	S	S	S	S	S
8032-14	Hamburg	Germany	4 (Cameroon)	ERR2200109	S	S	S	S	S	S	S	S	S
				ERR498287									
4155-03	Hamburg	Germany	4 (Haarlem)	ERR498289	S	S	S	S	S	S	S	S	S
				ERR498367									
8506-04	Hamburg	Germany	4 (Haarlem)	ERR498369	S	S	S	S	S	S	S	S	S
2587-14	Hamburg	Germany	4 (LAM)	ERR2199871	S	S	S	S	S	S	U	S	S
9055-13	Hamburg	Germany	4	ERR2200127	S	S	S	S	S	S	S	S	S
2551-14	Hamburg	Germany	4 (Ural)	ERR2199865	S	S	S	S	S	S	S	S	S
				ERR498363									
6631-04	Hamburg	Germany	4 (Haarlem)	ERR498365	S	S	S	S	S	S	S	S	S
5481-14	Hamburg	Germany	4 (Haarlem)	ERR2200029	S	S	S	S	S	S	S	S	S
2183-13	Hamburg	Germany	4	ERR2199859	R	S	S	S	R	S	S	S	S
				ERR2199899									
3524-15	Hamburg	Germany	3	ERR2199900	S	S	S	S	S	S	S	S	S
12448-03	Hamburg	Germany	2	ERR552667	R	R	S	S	R	R	S	S	S
9773-13	Hamburg	Germany	4 (Haarlem)	ERR2200144	S	S	S	S	S	S	S	S	S
4320-14	Hamburg	Germany	4 (X-type)	ERR2199948	S	S	S	S	S	S	S	S	S
6029-14	Hamburg	Germany	2	ERR2200062	S	S	S	S	S	S	S	S	S
				ERR553384									
2302-03	Hamburg	Germany	4 (LAM)	ERR553385	S	S	S	S	S	S	S	S	S
				ERR550898									
7968-03	Hamburg	Germany	4 (LAM)	ERR550899	S	S	S	S	S	S	U	S	S
11782-13	Hamburg	Germany	4 (Haarlem)	ERR2199801	S	S	S	S	S	S	S	S	S
				ERR498353									
				ERR498354									
7679-03	Hamburg	Germany	4 (Haarlem)	ERR498355	S	S	S	S	S	S	S	S	S
6348-14	Hamburg	Germany	4 (LAM)	ERR2200082	S	S	S	S	S	S	U	S	S
7199-99	Hamburg	Germany	4 (Haarlem)	ERR2200104	S	S	S	S	S	S	S	S	S
7114-14	Hamburg	Germany	4 (Haarlem)	ERR2200102	S	S	S	S	S	S	S	S	S
11639-13	Hamburg	Germany	4 (LAM)	ERR2199800	S	S	S	S	S	S	S	S	S
1760-13	Hamburg	Germany	4 (S-type)	ERR2199841	R	S	S	S	R	S	S	S	S
				ERR2199869									
258-15	Hamburg	Germany	2	ERR2199870	S	S	S	S	S	S	U	S	S
8195-13	Hamburg	Germany	4 (Haarlem)	ERR2200111	S	S	S	S	S	S	S	S	S
5755-13	Hamburg	Germany	4 (Haarlem)	ERR2200050	S	S	S	S	S	S	S	S	S
				ERR2199910									
3881-13	Hamburg	Germany	4	ERR2199111	S	S	S	S	S	S	S	S	S
3589-14	Hamburg	Germany	4	ERR219903	S	S	S	S	S	R	S	S	S
5721-14	Hamburg	Germany	4 (LAM)	ERR2200042	S	S	S	S	S	S	S	S	S
9947-13	Hamburg	Germany	4 (LAM)	ERR2200149	S	S	S	S	S	S	S	S	S
984-13	Hamburg	Germany	4 (Haarlem)	ERR2200145	S	S	S	S	S	S	S	S	S
				ERR2200142									
9751-14	Hamburg	Germany	1	ERR2200143	S	S	S	S	S	S	S	S	S
10820-13	Hamburg	Germany	3	ERR2199782	R	S	S	S	R	S	U	S	S
				ERR551317									
1657-03	Hamburg	Germany	4 (Ural)	ERR551318	S	S	S	S	S	S	S	S	S
8196-13	Hamburg	Germany	4 (Cameroon)	ERR2200112	S	S	S	S	S	S	S	S	S
6207-14	Hamburg	Germany	1	ERR2200073	S	S	S	S	S	S	S	S	S

12148-13	Hamburg	Germany	4 (Haarlem)	ERR2199812 ERR2199882	S	S	S	S	S	S	S	S
2870-14	Hamburg	Germany	3	ERR2199883	S	S	S	S	S	S	S	S
4222-13	Hamburg	Germany	2	ERR2199818	S	S	S	S	S	S	S	S
12541-13	Hamburg	Germany	4 (Haarlem)	ERR2199819	S	S	S	S	S	S	S	S
2611-14	Hamburg	Germany	4 (Haarlem)	ERR2199874 ERR2200135	S	S	S	S	S	S	S	S
9560-14	Hamburg	Germany	2	ERR2200136	S	S	S	S	S	S	S	S
2548-14	Hamburg	Germany	4 (Haarlem)	ERR2199864	S	S	S	S	S	S	S	S
1757-13	Hamburg	Germany	4	ERR2199838	S	S	S	S	S	S	U	S
3802-15	Hamburg	Germany	4	ERR2199506	S	S	S	S	S	S	S	S
4708-14	Hamburg	Germany	4 (Haarlem)	ERR2199974	S	S	S	S	S	S	U	S
5010-13	Hamburg	Germany	4 (S-type)	ERR2199987 ERR553124	S	S	S	S	S	S	S	S
10121-01	Hamburg	Germany	2	ERR553125	R	R	R	S	R	R	R	S
1691-01	Hamburg	Germany	2	ERR552755	S	S	S	S	S	S	S	S
3104-15	Hamburg	Germany	4 (Haarlem)	ERR2199891	S	S	S	S	S	S	U	S
106-14	Hamburg	Germany	4 (Cameroon)	ERR2199776 ERR552313	S	S	S	S	S	S	S	S
3876-04	Hamburg	Germany	4 (Haarlem)	ERR552314 ERR2199872	S	S	S	S	S	S	S	S
2611-13	Hamburg	Germany	4 (Haarlem)	ERR2199873 ERR2199764	S	S	S	S	S	S	U	S
10424-13	Hamburg	Germany	4	ERR2199765	S	S	S	S	S	U	S	S
531-15	Hamburg	Germany	4 (Ural)	ERR2200026 ERR2200027	S	S	S	S	S	S	S	S
7087-13	Hamburg	Germany	4	ERR2200099 ERR550639	S	S	S	S	S	S	S	S
9532-03	Hamburg	Germany	4 (Haarlem)	ERR550640	S	S	S	S	S	S	S	S
10053-13	Hamburg	Germany	4	ERR2199745 ERR551264	S	S	S	S	S	S	S	S
8885-03	Hamburg	Germany	4 (LAM)	ERR551265	S	S	S	S	S	S	S	S
2569-15	Hamburg	Germany	4 (Haarlem)	ERR2199668	S	S	S	S	S	S	S	S
4726-13	Hamburg	Germany	1	ERR2199578	S	S	S	S	S	S	U	S
5790-04	Hamburg	Germany	2	ERR550739 ERR2199559	S	S	S	S	S	S	S	S
4407-14	Hamburg	Germany	4 (Tur)	ERR2199960 ERR551470	S	S	S	S	S	S	S	S
1797-03	Hamburg	Germany	1	ERR551471	S	S	S	S	S	S	S	S
10486-13	Hamburg	Germany	1	ERR2199769 ERR2199826	S	S	S	S	S	S	U	S
1322-15	Hamburg	Germany	3	ERR2199827	S	S	S	S	S	S	S	S
6044-14	Hamburg	Germany	4 (Cameroon)	ERR2200063	S	S	S	S	S	S	S	S
304-14	Hamburg	Germany	4 (Haarlem)	ERR2199888	S	S	S	S	S	S	S	S
330-01	Hamburg	Germany	4	ERR550998	S	S	S	S	S	S	S	S
1850-03	Hamburg	Germany	4 (LAM)	ERR553278	S	S	S	S	S	S	S	S
4558-13	Hamburg	Germany	4 (Ural)	ERR2199565	S	S	S	S	S	S	S	S
4613-14	Hamburg	Germany	1	ERR2199567	S	S	S	S	S	U	S	S
1759-13	Hamburg	Germany	4	ERR2199840 ERR552783	S	S	S	S	S	S	S	S
3508-01	Hamburg	Germany	4 (LAM)	ERR552784	S	S	S	S	S	S	S	S
5789-13	Hamburg	Germany	4	ERR2200054	S	S	S	S	S	S	S	S
5374-14	Hamburg	Germany	4	ERR2200028	S	S	S	S	R	S	S	S
5720-14	Hamburg	Germany	Ghana	ERR2200041	S	S	S	S	S	S	S	S
3113-14	Hamburg	Germany	4 (LAM)	ERR2199892	S	S	S	S	S	S	U	S
2405-15	Hamburg	Germany	4 (Ural)	ERR2199861 ERR2199885	S	S	S	S	S	S	S	S
2987-14	Hamburg	Germany	4 (Haarlem)	ERR2199886	S	S	S	S	S	S	S	S
11880-13	Hamburg	Germany	4	ERR2199804	R	S	S	S	R	S	S	S
10789-14	Hamburg	Germany	4 (Haarlem)	ERR2199780 ERR2199755	S	S	S	S	S	S	S	S
10221-14	Hamburg	Germany	3	ERR2199756 ERR551852	S	S	S	S	S	S	S	S
2151-03	Hamburg	Germany	4 (S-type)	ERR551853	S	S	S	S	S	S	S	S
2952-14	Hamburg	Germany	4	ERR2199884	S	S	S	S	S	S	S	S
1314-04	Hamburg	Germany	2	ERR553291 ERR2199760	S	S	S	S	S	S	S	S
1032-15	Hamburg	Germany	1	ERR2199761 ERR552468	S	S	S	S	S	S	S	S
10529-03	Hamburg	Germany	4 (Tur)	ERR552469	S	S	S	S	S	S	S	S
5510-00	Hamburg	Germany	2	ERR550718	R	R	S	S	R	R	R	S
7953-13	Hamburg	Germany	4 (LAM)	ERR2200108	S	S	S	S	S	S	S	S
7684-04	Hamburg	Germany	4 (Haarlem)	ERR498366	S	S	S	S	S	S	S	S
11399-14	Hamburg	Germany	4 (Haarlem)	ERR2199796	S	S	S	S	S	S	S	S
3286-13	Hamburg	Germany	1	ERR2199896 ERR2199740	S	S	S	S	S	S	S	S
1000-15	Hamburg	Germany	M. orygis	ERR2199741	S	S	S	S	S	S	U	S
9956-03	Hamburg	Germany	4 (Haarlem)	ERR498356	S	S	S	S	S	S	S	S
3401-15	Hamburg	Germany	4 (Haarlem)	ERR2199898	S	S	S	S	S	S	S	S
10944-13	Hamburg	Germany	M. bovis	ERR2199785	S	S	S	R	U	S	S	R
8713-14	Hamburg	Germany	4	ERR2200120	S	S	S	S	R	S	S	S
1053-00	Hamburg	Germany	4	ERR550701	S	S	S	S	S	S	S	S
7961-03	Hamburg	Germany	4 (LAM)	ERR550624 ERR498285	S	S	S	S	S	S	S	S
1024-01	Hamburg	Germany	4 (Haarlem)	ERR498286	S	S	S	S	S	S	S	S
128-15	Hamburg	Germany	4 (Haarlem)	ERR2199820	S	S	S	S	S	S	S	S
11019-13	Hamburg	Germany	3	ERR2199788	S	S	S	S	S	S	S	S
1541-14	Hamburg	Germany	2	ERR2199831 ERR551881	S	S	S	S	S	S	S	S
2638-03	Hamburg	Germany	4 (LAM)	ERR551882	S	S	S	S	S	S	S	S
7091-14	Hamburg	Germany	4 (LAM)	ERR2200100	S	S	S	S	S	S	S	S
8101-14	Hamburg	Germany	1	ERR2200110	S	S	S	S	S	S	S	S
1556-14	Hamburg	Germany	4 (Haarlem)	ERR2199832	S	S	S	S	S	S	S	S
1426-14	Hamburg	Germany	M. orygis	ERR2199829	S	S	S	S	S	S	S	S
4203-01	Hamburg	Germany	2	ERR553277 ERR2199790	S	S	S	S	S	S	S	S
11054-14	Hamburg	Germany	4 (Haarlem)	ERR2199791 ERR498350	S	S	S	S	S	S	S	S
164-04	Hamburg	Germany	4 (Haarlem)	ERR498352 ERR498351	S	S	S	S	S	S	S	S
11930-14	Hamburg	Germany	4 (Haarlem)	ERR2199806	S	S	S	S	S	S	S	S
3103-15	Hamburg	Germany	4	ERR2199890	S	S	S	S	S	S	S	S
5994-14	Hamburg	Germany	4 (Tur)	ERR2200059	S	S	S	S	S	S	S	S
1954-13	Hamburg	Germany	4	ERR2199850	S	S	S	S	S	S	S	S
1758-13	Hamburg	Germany	3	ERR2199839	S	S	S	S	S	S	U	S
2049-13	Hamburg	Germany	4	ERR2199851	S	S	S	S	S	S	S	S
3279-14	Hamburg	Germany	4 (Haarlem)	ERR2199895 ERR553081	S	S	S	S	S	S	S	S
1500-03	Hamburg	Germany	2	ERR553082 ERR498361	S	S	S	S	S	S	S	S
1608-04	Hamburg	Germany	4 (Haarlem)	ERR498362	S	S	S	S	S	S	S	S
8308-13	Hamburg	Germany	4	ERR2200113	S	S	S	S	S	S	S	S
2828-13	Hamburg	Germany	4 (S-type)	ERR2199879	S	S	S	S	S	S	S	S
675-13	Hamburg	Germany	4 (Haarlem)	ERR2200090	S	S	S	S	S	S	S	S
4397-13	Hamburg	Germany	4	ERR2199558	S	S	S	S	S	S	S	S
6533-13	Hamburg	Germany	4	ERR2200085 ERR552958	S	S	S	S	S	S	S	S
8431-03	Hamburg	Germany	4 (Ural)	ERR552959	S	S	S	S	S	S	S	S
2091-14	Hamburg	Germany	4	ERR2199857	S	S	S	S	S	S	U	S
575-03	Hamburg	Germany	2	ERR551086	S	S	S	S	S	S	S	S

4584-14	Hamburg	Germany	4	ERR2199966	S	S	S	S	S	S	S	U	S
1724-13	Hamburg	Germany	4	ERR2199833	S	S	S	S	R	S	S	S	S
15292-14	Hamburg	Germany	1	ERR2199830	S	S	S	S	S	S	S	S	S
2208-14	Hamburg	Germany	4	ERR2199860	S	S	S	S	S	S	S	S	S
7106-13	Hamburg	Germany	4 (Haarlem)	ERR2200101	S	S	S	S	S	S	S	S	S
11252-13	Hamburg	Germany	4	ERR2199794	S	S	S	S	S	S	S	U	S
10978-14	Hamburg	Germany	2	ERR2199786	R	R	R	R	R	R	R	R	R
				ERR2199843									
				ERR2199844									
1840-13	Hamburg	Germany	2	ERR2199845	S	S	S	S	S	S	S	U	S
8100-14	Hamburg	Germany	2	ERR1768638	R	R	R	R	R	R	R	R	R
6576-12	Hamburg	Germany	2	ERR2200086	S	S	S	S	S	R	R	U	S
				ERR2199876									
2728-13	Hamburg	Germany	4	ERR2199877	S	S	S	S	S	S	S	S	S
4898-14	Hamburg	Germany	4	ERR2199986	S	S	S	S	S	S	S	S	S
4157-13	Hamburg	Germany	4 (S-type)	ERR2199916	S	S	S	S	S	S	S	S	S
2639-14	Hamburg	Germany	4 (Haarlem)	ERR2199875	S	S	S	S	S	U	S	S	S
1511-02	Hamburg	Germany	2	ERR551693	S	S	S	S	R	S	S	S	S
				ERR551694									
				ERR551927									
10737-02	Hamburg	Germany	2	ERR551928	S	S	S	S	S	S	S	S	S
				ERR2199901									
3525-15	Hamburg	Germany	4 (Haarlem)	ERR2199902	S	S	S	S	S	S	S	S	S
3922-13	Hamburg	Germany	4 (Tur)	ERR2199913	S	S	S	S	S	S	S	S	S
178-03	Hamburg	Germany	2	ERR552689	S	S	S	S	S	S	S	S	S
1746-14	Hamburg	Germany	2	ERR2199835	S	S	S	S	S	S	S	S	S
				ERR551977									
1934-03	Hamburg	Germany	2	ERR551978	S	S	S	S	S	S	S	S	S
10487-14	Hamburg	Germany	3	ERR2199770	S	S	S	S	S	S	S	S	S
9140-14	Hamburg	Germany	4 (Tur)	ERR2200130	S	S	S	S	S	S	S	S	S
8729-13	Hamburg	Germany	3	ERR2200121	S	S	S	S	S	S	S	S	S
3855-13	Hamburg	Germany	4	ERR2199909	S	S	S	S	S	S	S	S	S
2057-14	Hamburg	Germany	4 (Haarlem)	ERR2199852	S	S	S	S	S	S	S	S	S
10942-13	Hamburg	Germany	4 (Haarlem)	ERR2199784	S	S	S	S	S	S	S	S	S
11272-14	Hamburg	Germany	3	ERR2199795	R	S	S	S	R	S	S	S	S
5820-13	Hamburg	Germany	4	ERR2200055	S	S	S	S	S	S	S	S	S
4373-14	Hamburg	Germany	3	ERR2199957	S	S	S	S	S	S	S	S	S
12892-13	Hamburg	Germany	4 (LAM)	ERR2199823	S	S	S	S	S	S	S	S	S
5254-14	Hamburg	Germany	4	ERR2200016	S	S	S	S	S	S	S	S	S
9209-14	Hamburg	Germany	4 (Haarlem)	ERR2200131	S	S	S	S	S	S	U	S	S
				ERR2199802									
11817-14	Hamburg	Germany	4	ERR2199803	S	S	S	S	S	S	S	S	S
6206-14	Hamburg	Germany	M. bovis	ERR2200072	S	S	S	R	S	S	S	R	S
				ERR498296									
				ERR498297									
				ERR498298									
11114-03	Hamburg	Germany	4 (Haarlem)	ERR498299	S	S	S	S	S	S	S	S	S
				ERR553214									
8859-98	Hamburg	Germany	4 (LAM)	ERR553215	S	S	S	S	S	S	S	S	S
1020-13	Hamburg	Germany	4	ERR2199754	S	S	S	S	S	S	U	S	S
4804-13	Hamburg	Germany	4 (Haarlem)	ERR2199983	S	S	S	S	S	S	S	S	S
273-13	Hamburg	Germany	4	ERR2199878	S	S	S	S	S	S	S	S	S
				ERR2200083									
6372-13	Hamburg	Germany	4	ERR2200084	S	S	S	S	S	S	S	S	S
51-13	Hamburg	Germany	4	ERR2200003	S	S	S	S	S	S	S	S	S
				ERR2200146									
9853-13	Hamburg	Germany	4	ERR2200147	S	S	S	S	S	S	S	S	S
12273-13	Hamburg	Germany	4 (Haarlem)	ERR2199816	S	S	S	S	S	S	S	S	S
4484-13	Hamburg	Germany	3	ERR2199961	S	S	S	S	S	S	S	S	S
10547-13	Hamburg	Germany	4 (Haarlem)	ERR2199772	S	S	S	S	S	S	S	S	S
				ERR498383									
8370-04	Hamburg	Germany	4 (Haarlem)	ERR498384	S	S	S	S	S	S	S	S	S
2111-14	Hamburg	Germany	4 (Haarlem)	ERR2199858	S	S	S	S	S	S	S	S	U
6863-14	Hamburg	Germany	4 (Haarlem)	ERR2200091	S	S	S	S	S	S	S	U	S
12079-13	Hamburg	Germany	4 (LAM)	ERR2199809	S	S	S	S	S	S	S	S	S
				ERR2199853									
2065-13	Hamburg	Germany	2	ERR2199854	R	R	S	S	R	R	R	S	S
11156-14	Hamburg	Germany	4 (Haarlem)	ERR2199792	S	S	S	S	S	S	U	S	S
				ERR2199752									
10169-14	Hamburg	Germany	4	ERR2199753	S	S	S	S	S	S	S	S	S
				ERR2199866									
2568-15	Hamburg	Germany	2	ERR2199867	S	S	S	S	S	S	S	S	S
11615-14	Hamburg	Germany	2	ERR2199799	R	R	R	S	R	R	R	S	S
1900-14	Hamburg	Germany	1	ERR2199848	S	S	S	S	S	S	S	S	S
9346-14	Hamburg	Germany	4 (LAM)	ERR2200133	S	S	S	S	S	S	S	S	S
				ERR551665									
2336-02	Hamburg	Germany	4 (Haarlem)	ERR551666	S	S	S	S	S	S	S	S	S
794-15	Hamburg	Germany	4 (Cameroon)	ERR2200107	S	S	S	S	S	S	S	S	S
11054-13	Hamburg	Germany	4	ERR2199789	S	S	S	S	S	S	S	S	S
5778-13	Hamburg	Germany	4	ERR2200053	S	S	S	S	S	S	S	S	S
				ERR498293									
				ERR498294									
8073-03	Hamburg	Germany	4 (Haarlem)	ERR498295	S	S	S	S	S	S	S	S	S
6967-13	Hamburg	Germany	4 (Haarlem)	ERR2200097	S	S	S	S	S	S	S	S	S
8309-13	Hamburg	Germany	M. orygis	ERR2200114	S	S	S	S	S	S	U	S	S
3093-14	Hamburg	Germany	4 (S-type)	ERR2199889	S	S	S	S	S	S	S	S	S
10047-14	Hamburg	Germany	4	ERR2199744	S	S	S	S	S	S	S	S	S
1389-13	Hamburg	Germany	2	ERR2199828	S	S	S	S	S	S	S	S	S
10006-13	Hamburg	Germany	4	ERR2199742	S	S	S	S	S	S	S	S	S
5914-14	Hamburg	Germany	4	ERR2200057	S	S	S	S	S	S	S	S	S
				ERR2199836									
1754-15	Hamburg	Germany	2	ERR2199837	R	R	R	R	R	R	R	R	R
				ERR551122									
946-03	Hamburg	Germany	4 (LAM)	ERR551123	S	S	S	S	S	S	S	S	S
				ERR552283									
12591-02	Hamburg	Germany	4	ERR552284	S	S	S	S	S	S	S	S	S
8873-13	Hamburg	Germany	4 (Haarlem)	ERR2200125	S	S	S	S	S	S	S	S	S
12078-13	Hamburg	Germany	4 (LAM)	ERR2199808	S	S	S	S	S	S	S	U	S
9049-13	Hamburg	Germany	1	ERR2200126	S	S	S	S	S	S	S	U	S
4223-13	Hamburg	Germany	4	ERR2199919	S	S	S	S	S	S	S	S	S
				ERR2199824									
13018-13	Hamburg	Germany	4 (Haarlem)	ERR2199825	S	S	S	S	S	S	S	S	S
12510-13	Hamburg	Germany	2	ERR2199818	R	R	R	R	R	R	R	R	R
9535-13	Hamburg	Germany	4	ERR2200134	S	S	S	S	S	S	S	S	S
4950-04	Hamburg	Germany	2	ERR550927	S	S	S	S	S	S	S	S	S
3399-13	Hamburg	Germany	3	ERR2199897	R	S	S	S	R	S	S	S	S
3198-13	Hamburg	Germany	4	ERR2199894	S	S	S	S	S	S	S	S	S
				ERR551400									
11313-03	Hamburg	Germany	4 (Tur)	ERR551401	S	S	S	S	S	S	S	S	S
6200-13	Hamburg	Germany	Ghana	ERR2200071	R	S	S	S	R	S	S	S	S
4727-13	Hamburg	Germany	4 (Haarlem)	ERR2199980	R	S	S	S	S	S	S	S	S
				ERR2199855									
2090-14	Hamburg	Germany	4 (S-type)	ERR2199856	S	S	S	S	S	S	S	S	S
12111-13	Hamburg	Germany	4 (Haarlem)	ERR2199810	S	S	S	S	S	S	U	U	S
				ERR2199907									
3854-13	Hamburg	Germany	4	ERR2199908	S	S	S	S	S	S	S	S	S
10689-14	Hamburg	Germany	4	ERR2199777	S	S	S	S	S	S	S	S	S
5907-14	Hamburg	Germany	1	ERR2200056	S	S	S	S	S	S	S	S	R
03-R1504	Harvard	Peru	2	ERR216400	R	R	R	R	R	R	R	R	R
NLA009401354	Harvard	Netherlands	4	ERR216401	R	R	S	n/a	U	R	U	R	R
NLA009601030	Harvard	Netherlands	3	ERR216402	R	R	S	n/a	R	R	S	S	S

NLA000301128	Harvard	Netherlands 4 (Haarlem)	ERR2516403	R	R	R	S	R	R	R	S
01-R1387	Harvard	Peru 4 (LAM)	ERR2516404	R	R	R	R	R	R	U	U
01-R0185	Harvard	Peru 4 (Haarlem)	ERR2516405	R	R	R	R	R	R	S	S
NLA009401480	Harvard	Netherlands 4 (Tur)	ERR2516406	R	R	S	n/a	R	R	S	R
NLA009900478	Harvard	Netherlands 4 (LAM)	ERR2516407	R	R	S	R	R	R	R	R
02-R1457	Harvard	Peru 4 (LAM)	ERR2516408	R	R	R	R	R	R	U	R
02-R1681	Harvard	Peru 4 (LAM)	ERR2516409	R	R	R	R	R	R	R	R
NLA009901354	Harvard	Netherlands 4 (Ural)	ERR2516410	R	R	S	S	R	R	R	R
NLA000201001	Harvard	Netherlands 4 (Tur)	ERR2516411	R	R	R	S	R	R	R	S
01-R1466	Harvard	Peru 4 (LAM)	ERR2516412	R	R	R	S	R	R	R	S
NLA009900895	Harvard	Netherlands 2	ERR2516413	R	R	R	S	R	R	R	S
01-R0451	Harvard	Peru 4	ERR2516414	R	R	R	R	R	R	R	R
NLA009402429	Harvard	Netherlands 4 (Uganda)	ERR2516415	R	R	S	n/a	U	R	S	S
NLA002000042	Harvard	Netherlands 2	ERR2516416	R	R	R	n/a	R	R	F	R
NLA000700569	Harvard	Netherlands 4 (LAM)	ERR2516417	R	R	R	R	R	R	R	R
01-R0774	Harvard	Peru 2	ERR2516418	R	R	R	R	R	R	R	F
NLA000001768	Harvard	Netherlands 4 (LAM)	ERR2516419	R	R	S	S	R	R	U	R
02-R1101	Harvard	Peru 4 (Haarlem)	ERR2516420	S	S	S	S	S	F	S	F
NLA000400122	Harvard	Netherlands 4 (LAM)	ERR2516421	R	R	S	S	R	R	S	S
01-R0909	Harvard	Peru 4	ERR2516422	R	R	R	R	R	R	R	R
NLA000401745	Harvard	Netherlands 2	ERR2516423	R	R	S	S	R	R	S	U
01-R0420	Harvard	Peru 4 (LAM)	ERR2516424	R	R	R	R	R	R	F	S
01-R1321	Harvard	Peru 2	ERR2516425	R	R	R	R	R	R	R	F
NLA000301149	Harvard	Netherlands 4 (Haarlem)	ERR2516426	R	R	S	S	R	R	S	S
01-R1505	Harvard	Peru 2	ERR2516427	R	R	R	R	R	R	R	R
02-R1275	Harvard	Peru 4	ERR2516428	S	S	S	S	S	S	S	S
02-R0325	Harvard	Peru 4 (LAM)	ERR2516429	R	R	R	S	R	R	R	R
01-R1339	Harvard	Peru 4	ERR2516430	R	R	S	R	R	R	R	R
03-R0797	Harvard	Peru 4 (Haarlem)	ERR2516431	R	R	R	R	R	R	R	R
NLA009601360	Harvard	Netherlands 4 (LAM)	ERR2516432	R	R	R	n/a	R	R	R	R
02-R1076	Harvard	Peru 4 (Haarlem)	ERR2516433	S	S	S	S	S	S	S	S
01-R0878	Harvard	Peru 4	ERR2516434	R	R	R	R	R	R	R	R
NLA0000017744	Harvard	Netherlands 4 (LAM)	ERR2516435	R	R	R	R	n/a	R	R	S
02-R1140	Harvard	Peru 4	ERR2516436	S	S	S	S	S	S	S	S
02-R1645	Harvard	Peru 4 (Haarlem)	ERR2516437	R	R	S	S	S	R	S	S
NLA000801695	Harvard	Netherlands 2	ERR2516438	R	R	n/a	n/a	R	R	U	R
NLA009901304	Harvard	Netherlands 4	ERR2516439	R	R	R	n/a	U	R	R	U
03-R0951	Harvard	Peru 4 (Haarlem)	ERR2516440	R	R	R	R	U	R	R	R
02-R1683	Harvard	Peru 4 (LAM)	ERR2516441	R	R	R	S	R	R	R	S
NLA000300848	Harvard	Netherlands 4 (Haarlem)	ERR2516442	R	R	R	S	R	F	F	S
00-R1562	Harvard	Peru 2	ERR2516443	R	R	R	S	R	R	S	U
NLA009501837	Harvard	Netherlands 4 (Haarlem)	ERR2516444	R	R	S	n/a	R	R	S	R
NLA009702191	Harvard	Netherlands 4 (Tur)	ERR2516445	R	R	S	S	R	R	S	S
03-10017	Harvard	Peru 2	ERR2516446	S	S	S	S	S	S	S	S
NLA009802070	Harvard	Netherlands 1	ERR2516447	R	R	R	R	R	R	R	R
NLA009702403	Harvard	Netherlands 4 (Cameroon)	ERR2516448	R	R	S	S	R	R	S	R
NLA0000017891	Harvard	Netherlands 4 (LAM)	ERR2516449	R	R	R	S	R	R	R	S
03-R0795	Harvard	Peru 4 (LAM)	ERR2516450	S	S	S	S	S	S	S	S
02-R1726	Harvard	Peru 4 (Haarlem)	ERR2516451	R	R	R	S	R	R	U	U
02-R1915	Harvard	Peru 4 (LAM)	ERR2516452	R	S	S	S	S	S	S	S
NLA009501599	Harvard	Netherlands M. bovis	ERR2516453	R	R	R	n/a	R	R	R	R
NLA0000016604	Harvard	Netherlands 4 (Haarlem)	ERR2516454	R	R	S	n/a	R	R	S	U
03-R061	Harvard	Peru 4 (LAM)	ERR2516455	R	R	R	R	R	R	R	R
02-09688	Harvard	Peru 1	ERR2516456	S	S	S	n/a	S	S	U	S
03-R1082	Harvard	Peru 4 (LAM)	ERR2516457	R	R	R	R	R	F	R	R
00-R1547	Harvard	Peru 4	ERR2516458	R	R	R	R	R	R	R	R
NLA000701259	Harvard	Netherlands 2	ERR2516459	R	R	R	R	R	R	R	R
99-R862	Harvard	Peru 4 (LAM)	ERR2516460	R	R	R	S	R	R	R	R
NLA009700174	Harvard	Netherlands 4 (Haarlem)	ERR2516461	R	R	S	S	R	R	U	S
02-R1485	Harvard	Peru 4 (LAM)	ERR2516462	R	R	R	R	R	R	R	R
00-R0308	Harvard	Peru 4 (LAM)	ERR2516463	R	R	R	R	R	R	R	R
01-R0265	Harvard	Peru 4 (Haarlem)	ERR2516464	R	R	S	R	R	U	R	R
03-R0986	Harvard	Peru 4 (LAM)	ERR2516465	R	R	S	R	R	S	R	F
NLA009400010	Harvard	Netherlands 3	ERR2516466	R	R	S	n/a	U	R	S	F
01-R1386	Harvard	Peru 4 (Haarlem)	ERR2516467	R	R	S	S	S	R	S	S
NLA000102124	Harvard	Netherlands 4 (LAM)	ERR2516468	R	R	R	S	R	R	R	R
02-R1262	Harvard	Peru 4 (LAM)	ERR2516469	S	S	S	n/a	S	S	S	S
NLA009600800	Harvard	Netherlands 1	ERR2516470	R	R	S	n/a	R	R	S	S
NLA009701938	Harvard	Netherlands 1	ERR2516471	R	R	S	n/a	R	R	S	S
01-R0272	Harvard	Peru 4	ERR2516472	R	S	R	R	R	R	R	R
NLA000400074	Harvard	Netherlands 4 (Ural)	ERR2516473	R	R	R	R	R	R	R	R
NLA000201392	Harvard	Netherlands 2	ERR2516474	R	R	R	S	R	R	R	R
NLA000101954	Harvard	Netherlands Ghana	ERR2516475	R	R	S	S	R	R	S	S
03-R0293	Harvard	Peru 2	ERR2516476	R	R	R	S	R	R	S	S
NLA009702465	Harvard	Netherlands 4 (Haarlem)	ERR2516477	R	R	S	R	S	F	S	S
98-R660	Harvard	Peru 4 (LAM)	ERR2516478	R	R	R	R	R	R	R	R
03-R0655	Harvard	Peru 4 (Haarlem)	ERR2516479	R	R	R	S	R	R	U	S
03-R0419	Harvard	Peru 4 (LAM)	ERR2516480	R	R	R	R	R	R	R	S
03-R0929	Harvard	Peru 4 (LAM)	ERR2516481	S	S	S	S	S	S	S	S
98-R790	Harvard	Peru 2	ERR2516482	R	R	R	R	R	R	S	R
99-R1043	Harvard	Peru 4	ERR2516483	R	n/a	R	n/a	R	S	R	S
NLA000100072	Harvard	Netherlands 4 (Cameroon)	ERR2516484	R	R	S	S	R	R	S	S
02-R0951	Harvard	Peru 4	ERR2516485	R	R	R	R	R	F	F	F
02-R236	Harvard	Peru 4 (Haarlem)	ERR2516486	R	R	S	R	R	R	R	U
03-R0749	Harvard	Peru 4 (Haarlem)	ERR2516487	S	S	S	S	S	S	S	S
01-R0238	Harvard	Peru 4 (LAM)	ERR2516488	R	R	S	S	R	R	S	S
NLA009400322	Harvard	Netherlands Ghana	ERR2516489	R	R	S	S	R	R	S	S
01-R1468	Harvard	Peru 4 (LAM)	ERR2516490	R	R	R	R	R	R	R	R
03-R0194	Harvard	Peru 4 (LAM)	ERR2516491	R	R	R	R	R	R	R	R
03-R0070	Harvard	Peru 4 (LAM)	ERR2516492	R	R	R	R	R	R	R	R
03-R0177	Harvard	Peru 4 (LAM)	ERR2516493	R	R	R	R	R	R	R	R
NLA009800926	Harvard	Netherlands 2	ERR2516494	R	R	S	R	U	R	U	F
NLA000100352	Harvard	Netherlands 3	ERR2516495	R	R	R	R	R	R	R	F
02-R1945	Harvard	Peru 4 (LAM)	ERR2516496	R	R	R	R	R	R	R	R
02-R0984	Harvard	Peru 4 (LAM)	ERR2516497	R	R	S	R	R	R	R	R
NLA000100906	Harvard	Netherlands 4 (LAM)	ERR2516498	R	R	S	S	R	R	S	R
99-R545	Harvard	Peru 4	ERR2516499	R	R	R	R	R	R	R	R
01-R0880	Harvard	Peru 4 (LAM)	ERR2516500	R	R	R	R	R	F	R	S
03-R0327	Harvard	Peru 2	ERR2516501	R	R	R	R	R	R	R	R
02-R0237	Harvard	Peru 4	ERR2516502	R	R	R	n/a	R	R	R	F
01-R1305	Harvard	Peru 4	ERR2516503	R	R	R	R	R	R	R	R
04-R0438	Harvard	Peru 4 (LAM)	ERR2516504	R	R	R	R	R	R	R	R
NLA009902322	Harvard	Netherlands 4 (S-type)	ERR2516505	R	R	S	S	R	R	S	S
NLA009601659	Harvard	Netherlands 2	ERR2516506	R	R	R	S	R	R	U	R
02-R1191	Harvard	Peru 4 (Haarlem)	ERR2516507	S	S	S	S	S	S	S	S
03-R0319	Harvard	Peru 4 (LAM)	ERR2516508	R	R	R	R	R	R	R	R
01-R0899	Harvard	Peru 4	ERR2516509	R	R	R	R	R	R	R	R
NLA000400459	Harvard	Netherlands 4 (LAM)	ERR2516510	R	R	S	n/a	R	R	S	S
02-R1288	Harvard	Peru 2	ERR2516511	R	R	R	R	R	R	R	F
02-R0937	Harvard	Peru 4 (Haarlem)	ERR2516512	S	S	S	n/a	S	S	S	S
03-R1176	Harvard	Peru 2	ERR2516513	R	R	R	R	R	R	R	R
02-R0759	Harvard	Peru 4 (Haarlem)	ERR2516514	R	R	R	R	R	R	R	R
03-R0768	Harvard	Peru 4 (X-type)	ERR2516515	S	S	S	S	U	S	S	S
NLA0004001210	Harvard	Netherlands 2	ERR2516516	R	R	S	n/a	R	R	R	U
02-R1589	Harvard	Peru 4	ERR2516517	R	R	S	R	R	R	S	R
02-R1203	Harvard	Peru 4	ERR2516518	S	S	S	S	S	S	S	S
NLA009701714	Harvard	Netherlands 2	ERR2516519	R	R	S	S	S	U	R	S
03-R0780	Harvard	Peru 4 (LAM)	ERR2516520	S	S	S	S	S	S	S	S
NLA009400630	Harvard	Netherlands 4	ERR2516521	R	R	R	n/a	R	R	F	F
NLA0002001572	Harvard	Netherlands 1	ERR2516522	R	R	R	R	R	R	R	R
02-R1630	Harvard	Peru 4	ERR2516523	R	R	R	R	R	R	R	R
NLA000500952	Harvard	Netherlands 4 (Uganda)	ERR2516524	R	R	R	R	R	R	S	R

01-R0153	Harvard	Peru	4 (X-type)	ERR2516525	R	R	R	R	R	R	R	R	R	R
03-R1451	Harvard	Peru	4 (Haarlem)	ERR2516526	R	R	R	S	R	R	R	R	R	R
99-10364	Harvard	Peru	4 (LAM)	ERR2516527	R	R	R	R	R	R	R	R	U	R
02-R0911	Harvard	Peru	4 (LAM)	ERR2516528	R	R	R	R	R	R	R	U	S	S
03-R0411	Harvard	Peru	4 (LAM)	ERR2516529	R	S	R	S	U	S	U	U	S	S
02-09856	Harvard	Peru	4	ERR2516530	S	S	S	n/a	S	S	S	S	S	S
03-R1465	Harvard	Peru	4 (Haarlem)	ERR2516531	R	R	R	R	R	R	R	R	R	R
02-R1940	Harvard	Peru	4	ERR2516532	R	R	R	R	R	R	R	R	R	R
03-R0878	Harvard	Peru	2	ERR2516533	R	R	R	R	R	R	R	R	R	F
01-R0685	Harvard	Peru	4	ERR2516534	R	R	R	R	R	R	R	R	R	R
NLA000301546	Harvard	Netherlands	4 (Ural)	ERR2516535	R	R	S	S	R	R	R	R	R	S
NLA000201244	Harvard	Netherlands	2	ERR2516536	R	R	R	S	R	R	R	R	R	R
NLA000000560	Harvard	Netherlands	2	ERR2516537	R	R	R	S	R	R	R	R	R	U
02-R1544	Harvard	Peru	4 (LAM)	ERR2516538	R	S	S	R	R	R	R	S	R	S
NLA000401230	Harvard	Netherlands	2	ERR2516539	R	R	R	S	R	R	R	R	S	S
02-R0754	Harvard	Peru	4 (LAM)	ERR2516540	R	R	S	R	R	R	R	S	R	R
02-R0948	Harvard	Peru	4	ERR2516541	R	R	R	R	R	R	R	R	R	R
NLA000100450	Harvard	Netherlands	Ghana	ERR2516542	R	R	S	S	R	R	R	S	S	S
99-R576	Harvard	Peru	4 (X-type)	ERR2516543	R	R	R	R	R	R	R	R	R	R
03-R0871	Harvard	Peru	4 (LAM)	ERR2516544	R	R	R	R	R	R	R	R	R	R
NLA000301077	Harvard	Netherlands	M. bovis	ERR2516545	R	R	R	R	R	R	R	R	R	R
03-R0268	Harvard	Peru	2	ERR2516546	R	R	R	R	R	R	R	R	R	R
01-R0908	Harvard	Peru	4	ERR2516547	R	R	R	R	R	R	R	R	R	U
02-R0099	Harvard	Peru	4	ERR2516548	R	R	R	R	S	R	R	R	S	S
NLA000601176	Harvard	Netherlands	3	ERR2516549	R	R	R	S	R	R	R	R	R	R
NLA000100143	Harvard	Netherlands	4 (LAM)	ERR2516550	R	R	S	n/a	R	R	R	R	S	S
NLA009902230	Harvard	Netherlands	4 (LAM)	ERR2516551	R	R	S	S	R	R	S	S	S	S
02-R0119	Harvard	Peru	4 (LAM)	ERR2516552	R	R	S	S	R	R	R	R	R	R
NLA009501710	Harvard	Netherlands	4 (LAM)	ERR2516553	R	R	S	n/a	R	R	S	S	S	S
01-R1599	Harvard	Peru	4 (LAM)	ERR2516554	R	R	S	R	R	R	R	R	R	R
NLA009501246	Harvard	Netherlands	4	ERR2516555	R	R	R	n/a	R	R	R	R	R	R
NLA009600875	Harvard	Netherlands	4 (LAM)	ERR2516556	R	R	S	S	R	R	S	S	S	S
01-R1309	Harvard	Peru	4	ERR2516557	R	R	R	R	R	R	R	R	R	F
02-R1685	Harvard	Peru	4 (LAM)	ERR2516558	R	R	R	R	R	R	R	R	R	R
98-R454	Harvard	Peru	4 (Haarlem)	ERR2516559	R	R	R	n/a	R	R	R	R	R	R
01-R0166	Harvard	Peru	4 (LAM)	ERR2516560	R	R	R	R	R	R	R	R	R	R
NLA000101151	Harvard	Netherlands	4	ERR2516561	R	R	S	S	R	F	R	R	S	S
NLA009800720	Harvard	Netherlands	1	ERR2516562	R	R	R	S	R	R	R	R	S	S
NLA000801697	Harvard	Netherlands	4 (Haarlem)	ERR2516563	R	R	n/a	n/a	S	S	S	S	S	S
02-R0848	Harvard	Peru	4 (S-type)	ERR2516564	R	R	S	R	R	R	R	U	R	R
03-R0783	Harvard	Peru	4	ERR2516565	S	S	S	S	S	S	S	S	S	S
NLA009600108	Harvard	Netherlands	2	ERR2516566	R	R	S	S	R	R	S	S	S	S
NLA009700296	Harvard	Netherlands	3	ERR2516567	R	R	S	S	R	R	S	S	S	S
03-R0920	Harvard	Peru	4 (Haarlem)	ERR2516568	R	S	S	S	R	S	S	S	S	S
NLA009501310	Harvard	Netherlands	4 (LAM)	ERR2516569	R	R	S	n/a	R	R	R	R	R	R
02-R1687	Harvard	Peru	4 (LAM)	ERR2516570	R	R	R	R	R	R	R	R	R	R
NLA009500730	Harvard	Netherlands	4	ERR2516571	R	R	R	R	n/a	R	R	U	S	S
01-R1018	Harvard	Peru	4 (LAM)	ERR2516572	R	R	R	R	R	R	R	R	F	R
00-R1566	Harvard	Peru	4 (X-type)	ERR2516573	R	R	R	R	R	R	R	R	R	R
NLA000101717	Harvard	Netherlands	4 (LAM)	ERR2516574	R	R	S	S	R	R	S	S	S	S
NLA000016985	Harvard	Netherlands	4 (Tur)	ERR2516575	R	R	R	n/a	R	R	R	R	S	S
00-R1399	Harvard	Peru	4	ERR2516576	R	R	R	n/a	R	R	R	R	R	R
NLA000301652	Harvard	Netherlands	2	ERR2516577	R	R	S	S	R	R	R	R	R	R
04-R0292	Harvard	Peru	2	ERR2516578	R	R	R	R	R	R	R	R	R	R
NLA009500011	Harvard	Netherlands	4	ERR2516579	R	R	R	n/a	R	R	R	R	R	R
NLA000101876	Harvard	Netherlands	4 (Cameroon)	ERR2516580	R	R	S	n/a	R	R	S	S	S	S
02-R1114	Harvard	Peru	4 (LAM)	ERR2516581	S	S	S	S	U	S	S	S	S	S
NLA000202008	Harvard	Netherlands	4	ERR2516582	R	R	R	n/a	R	R	R	R	R	R
NLA000201734	Harvard	Netherlands	4	ERR2516583	R	R	R	R	R	R	R	R	R	R
NLA000200442	Harvard	Netherlands	2	ERR2516584	R	R	R	S	R	R	R	R	S	S
02-10075	Harvard	Peru	4 (Haarlem)	ERR2516585	S	S	S	n/a	S	S	S	S	S	S
NLA000601492	Harvard	Netherlands	4 (LAM)	ERR2516586	R	R	S	S	R	R	S	S	S	S
02-R1244	Harvard	Peru	4 (X-type)	ERR2516587	S	S	S	S	S	S	S	S	S	S
NLA009801095	Harvard	Netherlands	3	ERR2516588	R	R	R	n/a	R	R	U	S	S	S
03-R0068	Harvard	Peru	4 (LAM)	ERR2516589	R	R	S	S	R	R	U	S	S	S
99-R719	Harvard	Peru	4 (LAM)	ERR2516590	R	R	R	S	R	R	S	S	S	S
01-R1499	Harvard	Peru	4	ERR2516591	R	R	R	n/a	R	R	R	R	R	R
00-R0223	Harvard	Peru	4	ERR2516592	S	S	S	n/a	S	S	S	S	S	S
NLA009900182	Harvard	Netherlands	4 (Haarlem)	ERR2516593	R	R	R	R	R	R	R	R	R	R
NLA000000709	Harvard	Netherlands	3	ERR2516594	R	R	S	S	R	R	S	S	S	S
02-R0272	Harvard	Peru	4 (LAM)	ERR2516595	R	R	R	S	R	R	R	R	R	R
NLA000401316	Harvard	Netherlands	3	ERR2516596	R	R	R	R	R	R	R	R	R	R
03-R0110	Harvard	Peru	4 (Haarlem)	ERR2516597	R	R	R	R	R	R	R	R	U	U
02-R0971	Harvard	Peru	4	ERR2516598	R	R	R	R	S	R	R	R	R	R
00-R1405	Harvard	Peru	4	ERR2516599	R	R	R	R	R	R	R	R	R	U
02-09928	Harvard	Peru	4 (LAM)	ERR2516600	S	S	S	n/a	S	S	S	U	F	S
NLA000201358	Harvard	Netherlands	3	ERR2516601	R	R	S	S	R	R	R	R	R	S
02-R0286	Harvard	Peru	4 (LAM)	ERR2516602	R	R	S	S	R	R	R	R	R	S
NLA009701340	Harvard	Netherlands	4	ERR2516603	R	R	S	S	R	R	R	R	S	S
NLA000601773	Harvard	Netherlands	3	ERR2516604	R	R	S	S	R	R	R	R	R	S
02-R0890	Harvard	Peru	4 (X-type)	ERR2516605	R	S	S	S	R	R	R	R	R	R
NLA000401303	Harvard	Netherlands	Ghana	ERR2516606	R	R	S	n/a	R	R	S	S	S	S
NLA009800667	Harvard	Netherlands	4 (Haarlem)	ERR2516607	R	R	R	R	R	R	R	R	R	R
01-R0239	Harvard	Peru	4 (LAM)	ERR2516608	R	R	R	S	R	R	R	R	R	R
NLA000001061	Harvard	Netherlands	3	ERR2516609	R	R	S	S	R	R	S	S	S	S
01-R0904	Harvard	Peru	4 (LAM)	ERR2516610	R	R	R	R	R	R	R	R	R	R
02-R1142	Harvard	Peru	4 (LAM)	ERR2516611	S	S	S	S	S	S	S	S	S	S
02-R0407	Harvard	Peru	4 (Haarlem)	ERR2516612	S	S	S	S	S	S	S	S	S	S
NLA009401519	Harvard	Netherlands	2	ERR2516613	R	R	S	n/a	R	R	S	S	S	S
99-R1083	Harvard	Peru	4 (LAM)	ERR2516614	R	R	R	R	S	R	R	R	R	R
03-R0979	Harvard	Peru	4 (LAM)	ERR2516615	R	R	R	R	S	R	R	R	R	R
02-R0360	Harvard	Peru	4 (Haarlem)	ERR2516616	R	R	R	R	S	R	R	R	R	S
NLA0000017603	Harvard	Netherlands	3	ERR2516617	R	R	S	n/a	R	R	S	S	F	S
01-R0244	Harvard	Peru	4 (Haarlem)	ERR2516618	R	R	S	R	R	R	R	R	R	U
03-R0821	Harvard	Peru	4 (LAM)	ERR2516619	R	R	R	R	R	R	R	R	R	R
03-R0908	Harvard	Peru	4 (LAM)	ERR2516620	S	S	S	S	S	S	S	S	S	S
NLA000700190	Harvard	Netherlands	4 (X-type)	ERR2516621	R	R	R	R	n/a	R	R	R	R	U
NLA000001969	Harvard	Netherlands	4 (LAM)	ERR2516622	R	R	S	S	R	R	S	S	S	S
02-R1871	Harvard	Peru	4 (Haarlem)	ERR2516623	R	R	R	R	S	R	R	R	R	S
02-R1793	Harvard	Peru	2	ERR2516624	R	R	R	R	R	R	R	R	R	U
02-R1479	Harvard	Peru	4 (X-type)	ERR2516625	R	R	R	R	R	R	R	R	R	R
NLA0000016764	Harvard	Netherlands	4 (LAM)	ERR2516626	R	R	R	R	n/a	U	F	S	S	S
NLA000401820	Harvard	Netherlands	3	ERR2516627	R	R	R	S	R	R	R	R	R	R
03-R0221	Harvard	Peru	4 (LAM)	ERR2516628	R	R	R	R	R	R	R	R	R	R
NLA000301359	Harvard	Netherlands	4 (S-type)	ERR2516629	R	R	S	S	R	F	S	S	S	S
02-R1709	Harvard	Peru	4 (LAM)	ERR2516630	R	R	R	R	R	R	R	R	S	U
01-R0897	Harvard	Peru												

01-R0737	Harvard	Peru	4 (LAM)	ERR2516647	R	R	R	R	R	R	R	S	R
02-R1789	Harvard	Peru	2	ERR2516648	R	R	R	R	n/a	R	R	R	F
00-R0312	Harvard	Peru	4 (LAM)	ERR2516649	R	R	R	R	R	R	R	R	R
02-R0417	Harvard	Peru	4	ERR2516650	R	R	R	R	R	R	R	R	R
NLA000200433	Harvard	Netherlands	5	ERR2516651	R	R	S	n/a	R	R	U	S	S
NLA000801696	Harvard	Netherlands	2	ERR2516652	R	R	n/a	n/a	R	R	R	R	R
NLA009901267	Harvard	Netherlands	4	ERR2516653	R	R	R	S	U	R	R	R	U
00-R0025	Harvard	Peru	2	ERR2516654	R	R	R	n/a	R	R	R	R	U
NLA000701201	Harvard	Netherlands	3	ERR2516655	R	R	S	S	R	R	S	S	S
NLA009900939	Harvard	Netherlands	4 (Ural)	ERR2516656	R	R	S	R	R	R	R	F	R
NLA000301074	Harvard	Netherlands	Ghana	ERR2516657	R	R	R	S	R	R	R	R	R
02-R1723	Harvard	Peru	4 (Haarlem)	ERR2516658	R	R	R	R	R	R	R	R	R
NLA000801810	Harvard	Netherlands	4 (Haarlem)	ERR2516659	R	R	n/a	n/a	R	R	S	S	F
NLA009801164	Harvard	Netherlands	4 (Ural)	ERR2516660	R	R	R	R	R	R	R	R	S
NLA000400812	Harvard	Netherlands	3	ERR2516661	R	R	S	S	R	R	R	R	S
02-R0241	Harvard	Peru	4 (LAM)	ERR2516662	R	R	R	S	R	R	R	R	U
99-R890	Harvard	Peru	4 (X-type)	ERR2516663	R	R	R	R	n/a	R	R	R	R
00-R1156	Harvard	Peru	4 (X-type)	ERR2516664	R	R	R	R	R	R	R	R	R
02-R1742	Harvard	Peru	2	ERR2516665	R	R	R	R	R	R	R	R	S
02-R1952	Harvard	Peru	2	ERR2516666	R	R	R	R	R	R	R	R	F
03-R1338	Harvard	Peru	4	ERR2516667	R	R	R	R	R	R	R	R	R
03-R1337	Harvard	Peru	4 (LAM)	ERR2516668	R	R	R	R	R	R	R	R	R
01-R1559	Harvard	Peru	2	ERR2516669	R	R	R	S	R	R	R	R	S
NLA000000636	Harvard	Netherlands	4 (LAM)	ERR2516670	R	R	S	S	R	R	U	S	S
NLA009601810	Harvard	Netherlands	4 (LAM)	ERR2516671	R	R	S	R	R	R	R	R	R
NLA009801154	Harvard	Netherlands	4	ERR2516672	R	R	S	S	R	R	S	F	F
02-R0191	Harvard	Peru	4 (Haarlem)	ERR2516673	R	R	R	R	R	R	R	R	U
NLA000018190	Harvard	Netherlands	4 (Haarlem)	ERR2516674	R	R	S	S	U	R	S	S	S
00-R0086	Harvard	Peru	2	ERR2516675	R	R	R	R	R	R	R	R	R
NLA000500538	Harvard	Netherlands	2	ERR2516676	R	R	R	S	R	R	R	S	S
02-10098	Harvard	Peru	4 (X-type)	ERR2516677	S	S	S	n/a	S	S	S	S	S
02-R1942	Harvard	Peru	4	ERR2516678	R	R	R	R	R	R	R	R	R
NLA009502172	Harvard	Netherlands	4 (LAM)	ERR2516679	R	R	S	n/a	R	R	R	R	R
NLA000201682	Harvard	Netherlands	4 (Haarlem)	ERR2516680	R	R	S	S	R	R	S	S	S
02-R1854	Harvard	Peru	4 (LAM)	ERR2516681	S	S	S	S	S	S	U	S	S
02-R1728	Harvard	Peru	4 (LAM)	ERR2516682	R	R	R	R	R	R	R	R	R
02-R1137	Harvard	Peru	4 (LAM)	ERR2516683	S	S	S	S	S	S	S	S	S
NLA000017848	Harvard	Netherlands	4 (LAM)	ERR2516684	R	R	R	n/a	R	R	R	R	S
02-R1641	Harvard	Peru	2	ERR2516685	R	R	R	R	R	R	R	R	S
04-R0273	Harvard	Peru	4	ERR2516686	R	R	R	R	R	R	R	R	F
01-R0276	Harvard	Peru	4 (LAM)	ERR2516687	R	R	S	R	R	R	R	R	F
02-R1260	Harvard	Peru	3	ERR2516688	S	S	S	n/a	S	S	S	S	S
NLA009500746	Harvard	Netherlands	4	ERR2516689	R	R	R	S	R	R	U	S	S
00-R0453	Harvard	Peru	4 (LAM)	ERR2516690	R	R	R	n/a	R	R	R	R	R
02-R2120	Harvard	Peru	4 (Haarlem)	ERR2516691	S	S	S	S	S	S	S	S	S
NLA009801500	Harvard	Netherlands	2	ERR2516692	R	R	S	R	R	R	R	S	R
02-R0793	Harvard	Peru	4	ERR2516693	R	R	R	R	R	R	R	R	R
NLA009700256	Harvard	Netherlands	4 (Ural)	ERR2516694	R	R	R	S	R	R	R	R	S
NLA009701444	Harvard	Netherlands	4	ERR2516695	R	R	S	S	R	R	S	S	S
99-R887	Harvard	Peru	4 (LAM)	ERR2516696	R	R	R	R	R	R	R	R	R
01-R0647	Harvard	Peru	2	ERR2516697	R	R	S	R	R	R	R	R	R
01-R1241	Harvard	Peru	4 (Haarlem)	ERR2516698	R	R	R	S	R	R	U	U	U
02-R0861	Harvard	Peru	4 (LAM)	ERR2516699	R	R	R	R	R	R	R	R	F
NLA000301029	Harvard	Netherlands	4 (Haarlem)	ERR2516700	R	R	S	S	R	R	R	R	S
02-R1267	Harvard	Peru	1	ERR2516701	S	S	S	n/a	S	S	S	S	S
02-R1753	Harvard	Peru	2	ERR2516702	R	S	R	S	R	R	U	S	S
NLA000500665	Harvard	Netherlands	4	ERR2516703	R	R	R	S	U	R	R	R	R
02-R0812	Harvard	Peru	4 (LAM)	ERR2516704	R	R	R	R	R	R	R	R	R
00-R0178	Harvard	Peru	4 (LAM)	ERR2516705	R	R	R	R	R	R	R	R	R
00-R1549	Harvard	Peru	4	ERR2516706	R	R	R	S	R	R	R	R	U
03-10150	Harvard	Peru	4 (LAM)	ERR2516707	S	S	S	n/a	S	S	S	S	S
02-R1543	Harvard	Peru	4 (S-type)	ERR2516708	R	R	R	S	R	R	R	R	S
01-R1341	Harvard	Peru	4 (X-type)	ERR2516709	R	R	R	R	R	R	R	R	R
02-R0016	Harvard	Peru	4 (LAM)	ERR2516710	R	R	R	R	R	R	R	R	F
NLA000301715	Harvard	Netherlands	2	ERR2516711	R	R	S	S	R	R	R	R	S
NLA009700983	Harvard	Netherlands	4 (Uganda)	ERR2516712	R	R	R	n/a	R	R	R	R	F
99-R141	Harvard	Peru	4	ERR2516713	R	R	R	R	n/a	R	R	R	R
NLA000300865	Harvard	Netherlands	Ghana	ERR2516714	R	R	R	S	R	R	R	R	S
NLA000300339	Harvard	Netherlands	4 (Tur)	ERR2516715	R	R	R	S	R	R	R	R	R
02-R1825	Harvard	Peru	2	ERR2516716	R	R	R	R	R	R	R	R	U
01-R1540	Harvard	Peru	2	ERR2516717	R	R	S	R	R	R	R	S	R
NLA0004001154	Harvard	Netherlands	2	ERR2516718	R	R	S	S	R	R	R	R	R
NLA000501371	Harvard	Netherlands	2	ERR2516719	R	R	R	n/a	R	R	R	R	U
NLA000200052	Harvard	Netherlands	4 (Uganda)	ERR2516720	R	R	R	R	n/a	R	R	R	R
02-R0328	Harvard	Peru	2	ERR2516721	R	R	R	R	R	R	R	R	S
NLA009902034	Harvard	Netherlands	4	ERR2516722	R	R	R	S	U	R	R	R	U
03-R1404	Harvard	Peru	2	ERR2516723	R	R	R	R	R	R	R	U	R
02-R1527	Harvard	Peru	4	ERR2516724	R	R	R	R	R	R	R	R	R
NLA001000120	Harvard	Netherlands	4 (Haarlem)	ERR2516725	S	S	n/a	n/a	U	R	S	R	R
NLA0000016726	Harvard	Netherlands	4 (LAM)	ERR2516726	R	R	S	n/a	R	R	S	S	S
99-R855	Harvard	Peru	2	ERR2516727	R	R	R	R	R	R	R	R	F
03-R1373	Harvard	Peru	4 (X-type)	ERR2516728	R	R	R	R	R	R	R	R	R
NLA009800243	Harvard	Netherlands	4 (Tur)	ERR2516729	R	R	R	S	R	R	R	R	S
NLA009900180	Harvard	Netherlands	2	ERR2516730	R	R	R	R	R	R	R	R	F
02-R1444	Harvard	Peru	4 (LAM)	ERR2516731	R	R	S	R	R	R	R	R	R
01-R0902	Harvard	Peru	4 (LAM)	ERR2516732	R	R	R	R	R	R	R	R	R
03-R1084	Harvard	Peru	2	ERR2516733	R	S	R	R	R	R	R	R	R
01-R0290	Harvard	Peru	4 (LAM)	ERR2516734	R	R	R	R	R	R	R	R	U
NLA000100510	Harvard	Netherlands	4 (S-type)	ERR2516735	R	R	S	S	R	R	S	S	S
NLA000801694	Harvard	Netherlands	3	ERR2516736	R	R	n/a	n/a	S	S	S	S	S
03-10019	Harvard	Peru	2	ERR2516737	S	S	S	S	S	S	S	S	S
02-R1941	Harvard	Peru	4 (Haarlem)	ERR2516738	R	R	R	R	R	R	R	R	R
IT_mdr_IT108	Italy	Italy	4 (Ural)	ERR2510880	R	R	S	R	R	R	R	U	R
IT_mdr_485-10	Italy	Italy	4 (Haarlem)	ERR2510858	R	R	S	S	R	R	R	R	R
IT_mdr_IT116	Italy	Italy	2	ERR2510878	R	R	R	R	R	R	R	R	R
IT_mdr_IT235	Italy	Italy	4	ERR2510725	R	R	R	S	R	R	R	R	U
IT_mdr_IT170	Italy	Italy	2	ERR2510459	R	R	R	R	R	R	R	R	R
IT_mdr_865	Italy	Italy	2	ERR2510869	R	R	R	R	n/a	R	R	R	S
IT_mdr_IT231	Italy	Italy	2	ERR2510254	R	R	R	R	R	R	R	U	R
IT_mdr_IT152	Italy	Italy	4	ERR2510657	R	R	n/a	R	R	R	R	R	R
IT_mdr_IT196	Italy	Italy	2	ERR2510713	R	R	R	R	R	R	R	R	U
IT_mdr_IT177	Italy	Italy	4	ERR2510668	R	R	R	R	R	R	F	R	R
IT_mdr_21-LB-IT191	Italy	Italy	2	ERR2510678	R	R	R	R	R	R	R	R	R
IT_mdr_CCM1022	Italy	Italy	4 (LAM)	ERR2510874	R	R	n/a	n/a	R	R	R	R	R
IT_mdr_IT247	Italy	Italy	4	ERR2510692	R	R	R	R	R	R	R	R	S
IT_mdr_IT175	Italy	Italy	2	ERR2510666	R	R	R	R	R	R	R	R	U
IT_mdr_20-LB-IT190	Italy	Italy	4	ERR2510677	R	R	S	S	R	R	R	R	S
IT_mdr_260-15	Italy	Italy	2	ERR2510843	R	R	R	S	R	R	R	R	S
IT_mdr_IT229	Italy	Italy	4 (Haarlem)	ERR2510683	R	R	R	S	R	R	R	U	S
IT_mdr_IT43	Italy	Italy	2	ERR2510727	R	R	n/a	R	R	R	R	U	R
IT_mdr_IT92	Italy	Italy	4 (Cameroon)	ERR2510732	R	R	S	S	R	R	S	S	S
IT_mdr_272-15	Italy	Italy	4 (Ural)	ERR2510847	R	R	S	S	R	R	R	S	S
IT_mdr_IT171	Italy	Italy	3	ERR2510662	R</								

IT_mdr_IT168	Italy	3	ERR2510660	R	R	R	R	R	R	R	R	R	R
IT_mdr_IT165	Italy	5	ERR2510708	R	R	S	R	R	F	R	R	S	S
IT_mdr_IT179	Italy	2	ERR2510710	R	R	R	R	R	R	R	R	R	R
IT_mdr_IT75	Italy	4 (Haarlem)	ERR2510729	R	R	R	R	R	R	R	R	R	R
IT_mdr_70-10	Italy	4	ERR2510866	R	R	S	S	R	S	S	S	S	S
IT_mdr_7ES-ITA204-15	Italy	4 (Haarlem)	ERR2510867	R	R	R	R	R	R	R	R	R	R
IT_mdr_IT242	Italy	4	ERR2510889	R	R	R	R	R	R	R	R	R	R
IT_mdr_LB-IT183	Italy	4 (Ural)	ERR2510672	R	R	S	S	R	R	U	S	S	S
IT_mdr_IT240	Italy	4 (Cameroon)	ERR2510687	R	R	S	S	R	R	S	S	S	S
IT_mdr_273-15	Italy	2	ERR2510703	R	R	R	R	R	R	R	R	R	R
IT_mdr_8ES-ITA215-15	Italy	4 (LAM)	ERR2510851	R	R	R	R	R	R	R	S	U	U
IT_mdr_10ES-ITA218-15	Italy	2	ERR2510838	R	R	R	R	n/a	R	R	R	F	F
IT_mdr_IT66	Italy	2	ERR2510360	R	R	R	R	R	R	R	R	R	R
IT_mdr_IT172	Italy	2	ERR2510663	R	R	R	R	R	R	R	R	R	R
IT_mdr_IT201	Italy	2	ERR2510718	R	R	S	S	R	R	R	R	R	R
IT_mdr_217-15	Italy	2	ERR2510834	R	R	R	S	R	R	R	R	S	S
IT_mdr_258-15	Italy	2	ERR2510655	R	R	n/a	R	R	R	R	R	U	S
IT_mdr_IT245	Italy	4 (Tur)	ERR2510691	R	R	S	S	R	R	R	S	S	S
IT_mdr_18-LB-IT187	Italy	4	ERR2510675	R	R	S	S	R	R	R	R	S	S
IT_mdr_IT66	Italy	4	ERR2510728	R	R	S	S	R	R	S	S	S	S
IT_mdr_IT89	Italy	4	ERR2510730	R	R	R	R	R	R	R	R	R	R
IT_mdr_IT216	Italy	4	ERR2510724	R	R	n/a	n/a	R	R	R	R	U	F
IT_mdr_IT213	Italy	4 (S-type)	ERR2510681	R	S	S	S	R	S	S	S	F	F
IT_mdr_IT194	Italy	4 (Ural)	ERR2510711	R	R	R	R	R	R	R	U	R	R
IT_mdr_IT174	Italy	4 (LAM)	ERR2510665	R	R	S	S	R	R	S	S	S	S
IT_mdr_266-15	Italy	4 (Tur)	ERR2510842	R	R	R	S	R	R	R	R	R	R
IT_mdr_40-10	Italy	4	ERR2510855	R	R	S	R	F	S	U	S	S	S
IT_mdr_IT199	Italy	2	ERR2510716	R	R	R	R	R	R	R	R	R	R
IT_mdr_33ES-ITA533-15	Italy	4 (Ural)	ERR2510854	R	R	S	S	R	R	U	S	S	S
IT_mdr_IT163	Italy	4	ERR2510706	R	R	S	R	R	R	R	R	R	R
IT_mdr_IT151	Italy	2	ERR2510656	R	R	n/a	n/a	R	R	S	S	S	S
IT_mdr_271-15	Italy	2	ERR2510702	R	R	R	R	R	R	R	R	R	R
IT_mdr_IT195	Italy	2	ERR2510712	R	R	S	R	R	R	R	R	R	R
IT_mdr_54-15	Italy	4	ERR2510863	R	R	R	R	R	R	R	R	U	U
IT_mdr_CCM1021	Italy	4	ERR2510824	R	R	n/a	n/a	R	R	R	R	U	U
IT_mdr_IT185	Italy	2	ERR2510673	R	R	R	R	R	R	R	R	R	R
IT_mdr_IT197	Italy	2	ERR2510714	R	R	R	R	R	R	R	R	F	F
IT_mdr_267-15	Italy	4 (Haarlem)	ERR2510827	R	R	S	R	R	R	R	R	U	U
IT_mdr_28ES-ITA308-15	Italy	2	ERR2510846	R	R	R	R	R	R	R	R	F	F
IT_mdr_IT160	Italy	2	ERR2510881	R	R	R	S	R	R	R	R	S	S
IT_mdr_IT238	Italy	2	ERR2510510	R	R	R	R	R	R	R	R	R	R
IT_mdr_IT173	Italy	4 (Ural)	ERR2510664	R	R	S	S	R	R	U	S	S	S
IT_mdr_263-15	Italy	2	ERR2510840	R	R	R	S	R	R	R	R	U	U
IT_mdr_IT161	Italy	4	ERR2510704	R	R	R	R	R	R	R	R	R	R
IT_mdr_493-15	Italy	2	ERR2510709	R	R	R	R	R	R	R	R	R	R
IT_mdr_IT241	Italy	4 (Ural)	ERR2510688	R	R	S	S	R	R	R	R	S	S
IT_mdr_IT77	Italy	2	ERR2510654	R	R	R	R	R	R	R	R	R	R
IT_mdr_11ES-ITA219-15	Italy	4	ERR2510832	R	R	R	R	R	R	R	R	R	R
IT_mdr_IT193	Italy	4 (Ural)	ERR2510882	R	R	R	R	R	R	R	R	R	R
IT_mdr_CCM1013	Italy	4 (LAM)	ERR2510872	R	R	R	R	R	R	R	R	R	R
IT_mdr_293-15	Italy	4	ERR2510852	R	R	R	R	R	R	R	R	R	R
IT_mdr_2ES-ITA43-13	Italy	2	ERR2510853	R	R	R	R	R	R	R	R	R	R
IT_mdr_IT109	Italy	4 (LAM)	ERR2510877	R	R	n/a	n/a	R	R	S	S	S	S
IT_mdr_IT176	Italy	2	ERR2510667	n/a	n/a	n/a	R	F	R	R	R	R	R
IT_mdr_19-LB-IT189	Italy	4 (Haarlem)	ERR2510676	R	R	R	R	R	R	R	R	R	R
IT_mdr_IT93	Italy	4	ERR2510823	R	R	S	S	R	R	R	R	U	S
IT_mdr_IT192	Italy	4 (LAM)	ERR2510679	R	R	S	S	R	R	S	S	S	S
IT_mdr_IT248	Italy	2	ERR2510693	R	R	R	S	R	R	U	S	S	S
IT_mdr_IT166	Italy	4 (LAM)	ERR2510658	R	R	S	R	R	F	S	R	R	R
IT_mdr_IT162	Italy	4	ERR2510705	R	R	R	S	R	R	R	R	R	R
IT_mdr_270-15	Italy	2	ERR2510690	R	R	R	R	R	R	R	R	R	R
IT_mdr_4ES-ITA384-13	Italy	2	ERR2510682	R	R	R	R	R	R	R	R	R	R
IT_mdr_IT182	Italy	4 (Haarlem)	ERR2510671	R	R	R	R	R	R	R	R	U	U
IT_mdr_261-15	Italy	2	ERR2510845	R	R	R	R	R	R	R	R	F	F
IT_mdr_IT128	Italy	2	ERR2510686	R	R	R	R	R	R	R	R	R	R
IT_mdr_IT208	Italy	4 (Haarlem)	ERR2510721	R	S	R	S	S	S	S	S	S	S
IT_mdr_42-ITA88	Italy	4 (Ural)	ERR2510856	R	R	R	S	R	R	U	S	S	S
IT_mdr_207-15	Italy	4 (LAM)	ERR2510695	R	R	R	R	R	R	R	R	R	R
IT_mdr_257-15	Italy	2	ERR2510839	R	R	R	S	R	R	S	S	S	S
IT_mdr_274-15	Italy	2	ERR2510849	R	R	R	S	R	R	R	U	S	S
IT_mdr_9ES-ITA216-15	Italy	4 (Ural)	ERR2510859	R	R	R	S	R	R	U	S	S	S
IT_mdr_IT90	Italy	4 (Haarlem)	ERR2510731	R	R	S	S	R	R	R	R	R	R
IT_mdr_IT203	Italy	2	ERR2510720	R	R	S	R	R	R	R	U	R	R
IT_mdr_264-15	Italy	2	ERR2510848	R	R	R	R	R	R	R	R	R	R
IT_mdr_IT212	Italy	2	ERR2510680	R	R	S	R	R	R	R	R	R	R
IT_mdr_53-10	Italy	2	ERR2510862	R	R	R	R	R	R	R	R	R	R
IT_mdr_IT96	Italy	4 (LAM)	ERR2510734	R	R	R	R	R	R	R	R	R	R
IT_mdr_IT232	Italy	2	ERR2510279	R	R	R	R	R	R	R	R	U	R
IT_mdr_IT234	Italy	4	ERR2510685	R	R	R	R	R	R	R	R	R	R
IT_mdr_853	Italy	2	ERR2510868	R	R	S	S	R	R	R	R	S	S
IT_mdr_IT104	Italy	4 (LAM)	ERR2510875	R	R	n/a	n/a	R	R	R	R	R	R
IT_mdr_203-15	Italy	4 (Ural)	ERR2510833	R	R	R	S	R	R	R	U	S	S
IT_mdr_IT233	Italy	2	ERR2510684	R	R	R	S	R	R	R	R	R	R
IT_mdr_IT202	Italy	2	ERR2510719	R	R	R	R	R	R	R	R	R	R
IT_mdr_276-15	Italy	2	ERR2510653	R	R	S	R	R	R	R	R	R	R
IT_mdr_IT117	Italy	3	ERR2510701	R	R	n/a	n/a	R	R	R	R	R	R
IT_mdr_899	Italy	2	ERR2510696	R	R	S	R	R	R	R	R	R	R
IT_mdr_IT105	Italy	2	ERR2510876	R	R	S	R	R	R	R	R	S	S
IT_mdr_IT243	Italy	2	ERR2510733	R	R	R	R	R	R	R	R	R	R
IT_mdr_259-15	Italy	2	ERR2510841	R	R	S	R	R	R	R	S	S	S
IT_mdr_69-10	Italy	4 (Haarlem)	ERR2510865	R	R	S	R	R	R	R	R	R	R
IT_mdr_IT181	Italy	4	ERR2510670	R	R	R	R	R	R	R	R	R	R
IT_mdr_IT164	Italy	2	ERR2510707	R	R	R	R	R	R	F	R	R	R
IT_mdr_IT200	Italy	2	ERR2510717	R	R	R	R	R	R	R	R	R	R
IT_mdr_IT97	Italy	4 (Haarlem)	ERR2510826	R	R	S	R	R	R	R	R	R	R
IT_mdr_IT178	Italy	2	ERR2510669	R	R	R	R	R	R	R	R	R	R
IT_mdr_IT211	Italy	4	ERR2510722	R	R	n/a	S	R	R	S	S	S	S
IT_mdr_44-10	Italy	4 (Haarlem)	ERR2510857	R	R	R	R	R	R	R	R	R	R
IT_mdr_268-15	Italy	4 (Haarlem)	ERR2510844	R	R	R	R	R	R	R	R	U	U
IT_mdr_IT249	Italy	2	ERR2510694	R	R	R	S	R	R	R	R	U	U
IT_mdr_IT169	Italy	2	ERR2510661	R	R	S	S	S	S	S	S	S	S
Italy_MGIT68	Italy_MGITstudy	4 (LAM)	ERR2510750	S	S	S	S	S	S	S	S	S	S
Italy_MGIT115	Italy_MGITstudy	4 (LAM)	ERR2510781	S	S	S	S	S	S	S	S	S	S
Italy_MGIT71	Italy_MGITstudy	4 (Haarlem)	ERR2510812	S	S	S	S	S	S	S	S	S	S
Italy_MGITCOS	Italy_MGITstudy	4 (Haarlem)	ERR2510812	S	S	S	S	S	S	S	S	S	S
Italy_MGIT58	Italy_MGITstudy	4 (Haarlem)	ERR2510768	S	S	S	S	S	S	S	S	S	S
Italy_MGITMAZS	Italy_MGITstudy	4 (LAM)	ERR2510821	S	S	S	S	S	S	S	S	S	S
Italy_MGITPALG	Italy_MGITstudy	4 (LAM)	ERR2510831	S	S	S	S	S	S	S	S	S	S
Italy_MGIT89	Italy_MGITstudy	4 (Haarlem)	ERR2510798	R	R	R	R	R	R	R	R	R	R
Italy_MGITCIS	Italy_MGITstudy	4 (Haarlem)	ERR2510811	S	S	S	S	S	S	S	S	S	S
Italy_MGITBRO	Italy_MGITstudy	4 (Haarlem)	ERR2510810	S	S	S	S	S	S	S	S	S	S
Italy_MGIT70	Italy_MGITstudy	3	ERR2510780	S	S	S	S	S	S	S	S	S	S
Italy_MGIT127	Italy_MGITstudy	4 (LAM)	ERR2510755	S	S	S	S	S	S	S	S	S	S
Italy_MGIT45	Italy_MGITstudy	4	ERR2510759	S	S	S	S	S	S	U	S	S	S
Italy_MGITEKU	Italy_MGITstudy	3	ERR2510817	R	S	S	S	R	S	S	S	S	S
Italy_MGIT112	Italy_MGITstudy	4	ERR2510747										

Italy_MGIT46	Italy_MGITstudy	Italy	4 (Haarlem)	ERR2510760	S	S	S	S	S	S	S	S	S
Italy_MGIT121	Italy_MGITstudy	Italy	4	ERR2510754	S	S	S	S	S	S	S	S	S
Italy_MGITMELAL	Italy_MGITstudy	Italy	4 (S-type)	ERR2510822	S	S	S	S	S	S	S	S	S
Italy_MGITPRIMO	Italy_MGITstudy	Italy		ERR2510825	R	S	S	S	U	S	S	S	S
Italy_MGITMARK	Italy_MGITstudy	Italy	4	ERR2510820	S	S	S	S	U	F	S	S	S
Italy_MGIT186	Italy_MGITstudy	Italy	4 (LAM)	ERR2510795	S	S	S	S	S	S	S	S	S
Italy_MGIT74	Italy_MGITstudy	Italy	3	ERR2510784	S	S	S	S	S	S	S	S	S
Italy_MGIT_BENP	Italy_MGITstudy	Italy	4 (Haarlem)	ERR2510736	S	S	S	S	F	S	S	S	S
Italy_MGIT88	Italy_MGITstudy	Italy	4 (Haarlem)	ERR2510797	S	S	S	S	S	S	S	S	S
Italy_MGITBEQU	Italy_MGITstudy	Italy	1	ERR2510809	S	S	S	S	S	S	S	S	S
Italy_MGIT76	Italy_MGITstudy	Italy	6	ERR2510786	S	S	S	S	S	U	U	S	S
Italy_MGIT54	Italy_MGITstudy	Italy	4 (Haarlem)	ERR2510766	S	S	S	S	U	S	S	S	S
Italy_MGIT117	Italy_MGITstudy	Italy	4 (S-type)	ERR2510752	S	S	S	S	S	S	S	S	S
Italy_MGIT64	Italy_MGITstudy	Italy	4	ERR2510774	S	S	S	S	S	S	S	S	S
Italy_MGIT44	Italy_MGITstudy	Italy	1	ERR2510758	S	S	S	S	S	S	S	S	S
Italy_MGIT98	Italy_MGITstudy	Italy	2	ERR2510804	S	S	S	S	S	F	S	S	S
Italy_MGIT96	Italy_MGITstudy	Italy	4 (Haarlem)	ERR2510802	S	S	S	S	F	S	S	F	S
Italy_MGIT108	Italy_MGITstudy	Italy	4 (Haarlem)	ERR2510745	S	S	S	S	S	S	U	S	S
Italy_MGIT65	Italy_MGITstudy	Italy	4 (Haarlem)	ERR2510775	S	S	S	S	S	S	S	S	S
Italy_MGIT62	Italy_MGITstudy	Italy	4 (Haarlem)	ERR2510772	S	S	S	S	S	S	S	S	S
Italy_MGIT77	Italy_MGITstudy	Italy	1	ERR2510787	S	S	S	S	S	S	S	S	S
Italy_MGITDIVA	Italy_MGITstudy	Italy		ERR2510815	R	S	S	S	R	S	S	S	S
Italy_MGIT50	Italy_MGITstudy	Italy	2	ERR2510762	S	S	S	n/a	S	S	S	S	S
Italy_MGIT52	Italy_MGITstudy	Italy	4	ERR2510764	R	R	R	R	R	R	R	R	R
Italy_MGIT80	Italy_MGITstudy	Italy	4 (Haarlem)	ERR2510789	S	S	S	S	S	S	S	S	S
Italy_MGIT69	Italy_MGITstudy	Italy	4 (Tur)	ERR2510779	S	S	S	S	S	S	S	S	S
Italy_MGIT83	Italy_MGITstudy	Italy	4	ERR2510792	S	S	S	S	S	F	U	S	S
Italy_MGIT102	Italy_MGITstudy	Italy	4 (Haarlem)	ERR2510742	S	S	S	R	S	S	S	R	S
Italy_MGIT90	Italy_MGITstudy	Italy	4 (Haarlem)	ERR2510799	S	S	S	S	S	S	U	S	S
Italy_MGIT53	Italy_MGITstudy	Italy	4	ERR2510765	R	R	R	R	R	F	R	R	R
Italy_MGIT59	Italy_MGITstudy	Italy	4 (Haarlem)	ERR2510769	S	S	S	S	S	S	S	S	S
Italy_MGITKEN	Italy_MGITstudy	Italy	2	ERR2510819	S	S	S	S	S	S	S	S	S
Italy_MGITCROCO	Italy_MGITstudy	Italy	4	ERR2510813	S	S	S	S	F	S	U	S	S
Italy_MGIT60	Italy_MGITstudy	Italy	4 (Uganda)	ERR2510770	S	S	S	S	S	S	S	S	S
Italy_MGIT_PAGGL	Italy_MGITstudy	Italy	4	ERR2510738	S	S	S	S	F	S	S	S	S
Italy_MGIT79	Italy_MGITstudy	Italy	1	ERR2510788	S	S	S	S	S	S	S	S	S
Italy_MGITSOW	Italy_MGITstudy	Italy	4 (Haarlem)	ERR2510836	S	S	S	S	F	S	S	S	S
Italy_MGIT51	Italy_MGITstudy	Italy	4 (LAM)	ERR2510763	R	S	S	S	R	S	S	S	S
Italy_MGIT73	Italy_MGITstudy	Italy	4 (Haarlem)	ERR2510783	S	S	S	S	S	S	S	S	S
Italy_MGIT100	Italy_MGITstudy	Italy	4 (Haarlem)	ERR2510740	S	S	S	S	S	S	S	S	S
Italy_MGITDIMOU	Italy_MGITstudy	Italy	1	ERR2510814	S	S	S	S	F	S	U	S	S
Italy_MGIT55	Italy_MGITstudy	Italy	4 (Haarlem)	ERR2510767	S	S	S	S	S	S	S	S	S
Italy_MGIT99	Italy_MGITstudy	Italy	4	ERR2510805	S	S	S	S	S	S	U	S	S
Italy_MGIT92	Italy_MGITstudy	Italy	4 (Haarlem)	ERR2510800	S	S	S	S	S	S	S	S	S
Italy_MGIT101	Italy_MGITstudy	Italy	4 (S-type)	ERR2510741	S	S	S	S	S	S	S	S	S
Italy_MGIT43	Italy_MGITstudy	Italy		ERR2510757	R	S	S	S	R	S	S	S	S
Italy_MGITAHS	Italy_MGITstudy	Italy	4 (Uganda)	ERR2510807	S	S	S	S	S	S	S	S	S
Italy_MGIT67	Italy_MGITstudy	Italy	6	ERR2510777	S	S	S	S	S	S	U	U	S
Italy_MGIT94	Italy_MGITstudy	Italy	4	ERR2510801	S	S	S	S	S	S	S	S	S
Italy_MGIT_SABD	Italy_MGITstudy	Italy	4	ERR2510739	S	S	S	S	S	S	S	S	S
Italy_MGIT63	Italy_MGITstudy	Italy	1	ERR2510773	S	S	S	S	S	S	S	S	S
Italy_MGITDPB	Italy_MGITstudy	Italy	6	ERR2510816	S	S	S	S	S	S	U	U	S
Italy_MGIT_MANA	Italy_MGITstudy	Italy	4 (S-type)	ERR2510737	S	S	S	S	S	S	S	S	S
Italy_MGIT113	Italy_MGITstudy	Italy	4	ERR2510748	S	S	S	S	S	S	S	S	S
Italy_MGIT97	Italy_MGITstudy	Italy	4 (LAM)	ERR2510803	S	S	S	S	S	S	S	S	S
Italy_MGIT82	Italy_MGITstudy	Italy	6	ERR2510791	S	S	S	S	S	S	U	U	S
Italy_MGIT107	Italy_MGITstudy	Italy	2	ERR2510744	S	S	S	S	S	S	S	S	S
Italy_MGIT114	Italy_MGITstudy	Italy	4 (Haarlem)	ERR2510749	S	S	S	S	S	S	S	S	S
Italy_MGITTU	Italy_MGITstudy	Italy	4	ERR2510829	S	S	S	S	S	S	S	S	S
Italy_MGIT66	Italy_MGITstudy	Italy	2	ERR2510776	R	S	S	S	R	S	S	S	S
Italy_MGIT87	Italy_MGITstudy	Italy	4 (LAM)	ERR2510796	R	S	S	S	R	F	S	S	S
Italy_MGIT47	Italy_MGITstudy	Italy	4 (Ural)	ERR2510761	S	S	S	S	S	S	S	S	S
Italy_MGIT61	Italy_MGITstudy	Italy	4	ERR2510771	S	S	S	S	S	S	S	S	S
Italy_MGIT109	Italy_MGITstudy	Italy	2	ERR2510746	S	S	S	S	S	S	U	S	S
Italy_MGIT85	Italy_MGITstudy	Italy	4 (LAM)	ERR2510794	S	S	S	S	F	R	S	S	S
Italy_MGIT116	Italy_MGITstudy	Italy	4 (S-type)	ERR2510751	S	S	S	S	S	S	S	S	S
Italy_MGIT84	Italy_MGITstudy	Italy	4 (LAM)	ERR2510793	R	R	R	S	R	F	R	R	R
Italy_MGITRAU	Italy_MGITstudy	Italy	4 (Haarlem)	ERR2510818	S	S	S	S	S	S	S	S	S
Italy_MGIT118	Italy_MGITstudy	Italy	4	ERR2510753	S	S	S	S	S	S	S	S	S
Italy_MGIT75	Italy_MGITstudy	Italy	4 (LAM)	ERR2510785	S	S	S	S	S	S	S	S	S
Italy_MGITSO2W2	Italy_MGITstudy	Italy	4 (Haarlem)	ERR2510837	S	S	S	S	F	S	S	S	S
Italy_MGIT105	Italy_MGITstudy	Italy	4 (Haarlem)	ERR2510743	S	S	S	S	S	S	S	S	S
Italy_MGIT81	Italy_MGITstudy	Italy	4 (Cameroon)	ERR2510790	S	S	S	S	S	F	S	S	S
Italy_MGITABOK	Italy_MGITstudy	Italy	Ghana	ERR2510806	S	S	S	S	S	S	S	S	S
762736	Leeds	UK	2	SAMNO5276319	S	S	S	S	S	S	U	S	S
7620040	Leeds	UK	3	SAMNO5276332	S	S	S	S	S	S	S	S	S
7620018	Leeds	UK	4 (LAM)	SAMNO5276333	S	S	S	S	S	S	U	S	S
7627124	Leeds	UK	3	SAMNO5276336	S	S	S	S	S	S	S	S	S
7627400	Leeds	UK	4	SAMNO5276338	S	S	S	S	S	S	S	S	S
7626694	Leeds	UK	3	SAMNO5276344	S	S	S	S	S	F	S	S	S
7626571	Leeds	UK	1	SAMNO5276346	S	S	S	S	F	F	S	F	S
7627900	Leeds	UK	3	SAMNO5276349	S	S	S	S	S	S	S	S	S
7628147	Leeds	UK	1	SAMNO5276355	S	S	S	S	S	F	F	S	S
7626930	Leeds	UK	2	SAMNO5276356	R	R	R	S	R	R	R	R	R
7626833	Leeds	UK	3	SAMNO5276366	S	S	S	S	S	S	S	S	F
7628121	Leeds	UK	3	SAMNO5276367	S	S	S	S	S	S	U	S	S
7620062	Leeds	UK	4 (X-type)	SAMNO5276370	S	S	S	S	S	S	S	S	S
7628143	Leeds	UK	4 (Haarlem)	SAMNO5276379	S	S	S	S	S	S	S	S	S
7626675	Leeds	UK	2	SAMNO5276382	R	R	R	S	R	R	R	R	R
7626725	Leeds	UK	2	SAMNO5276389	S	S	S	S	S	S	S	S	S
7627574	Leeds	UK	3	SAMNO5276399	S	S	S	S	S	S	S	S	S
7626555	Leeds	UK	3	SAMNO5276409	S	S	S	S	S	S	S	S	S
7620149	Leeds	UK	3	SAMNO5276411	S	S	S	S	S	S	S	S	S
7626433	Leeds	UK	4	SAMNO5276430	S	S	S	S	S	F	F	S	S
7627886	Leeds	UK	4 (Cameroon)	SAMNO5276438	S	S	S	S	S	S	S	S	S
7620009	Leeds	UK	3	SAMNO5276441	S	S	S	S	S	S	S	S	S
7627572	Leeds	UK	3	SAMNO5276460	S	S	S	S	S	S	S	S	S
7627226	Leeds	UK	2	SAMNO5276493	R	R	R	S	R	R	R	R	R
7626487	Leeds	UK	3	SAMNO5276500	S	S	S	S	S	S	S	S	S
7627636	Leeds	UK	4 (Haarlem)	SAMNO5276501	S	S	S	S	S	S	U	F	S
7627434	Leeds	UK	3	SAMNO5276502	S	S	S	S	S	S	S	U	S
7626752	Leeds	UK	3	SAMNO5276503	S	S	S	S	S	S	F	S	S
7626878	Leeds	UK	4	SAMNO5276508	S	S	S	S	S	S	S	S	S
7627116	Leeds	UK	4	SAMNO5276542	R	R	R	S	R	R	R	R	R
7626713	Leeds	UK	4	SAMNO5276559	S	S	S	S	S	S	S	S	S
H124740138	London	UK	4 (Haarlem)	ERR2516740	R	R	R	S	R	R	R	F	S
H141600041	London	UK	2	ERR2516741	S	S	S	S	S	S	S	S	S
H112780034	London	UK	4 (Ural)	ERR2516742	R	R	R	S	R	R	R	U	S
H101920168	London	UK	3	ERR2516743	R	R	n/a	n/a	R	R	R	R	S
H121260031	London	UK	4 (Ural)	ERR2516744	R	n/a	S	S	R	R	R	S	S
H132740033	London	UK	3	ERR2516745	R	R	S	S	R	R	R	F	S
H125000072	London	UK	3	ERR2516746	R	R	S	S	R	R	R	U	S
H133920162	London	UK	3	ERR2516747	R	R	n/a	S	R	R	R	S	S
H142040333	London	UK	2	ERR2516748	R	R	R	S	R	R	R	R	R
H123360011													

H134640235	London	UK	4 (Tur)	ERR2516757	R	R	R	R	R	R	R	R	S	U
H102780066	London	UK	4 (Cameroon)	ERR2516758	R	R	S	S	R	R	R	R	S	S
H131820987	London	UK	2	ERR2516759	R	R	n/a	R	R	R	R	S	R	
H141800023	London	UK	4 (Cameroon)	ERR2516760	R	R	S	n/a	R	R	S	S	S	
H144680079	London	UK	4 (S-type)	ERR2516761	R	R	n/a	S	R	R	R	R	R	
H121320026	London	UK	2	ERR2516762	S	n/a	S	S	S	S	S	S	S	
H101880206	London	UK	1	ERR2516763	R	R	n/a	S	R	R	R	R	R	
H112140033	London	UK	3	ERR2516764	R	R	n/a	S	R	R	R	R	S	
H131680029	London	UK	2	ERR2516765	R	R	n/a	n/a	R	R	R	R	S	
H133140029	London	UK	4	ERR2516766	R	R	n/a	S	R	R	R	R	S	
H114280002	London	UK	4 (Ural)	ERR2516767	R	R	R	S	R	R	R	U	S	
H122480042	London	UK	4 (x-type)	ERR2516768	R	R	n/a	n/a	R	R	S	S	R	
H110340018	London	UK	2	ERR2516769	R	R	n/a	R	R	R	U	R	R	
H133180021	London	UK	2	ERR2516770	R	R	n/a	S	R	R	R	S	S	
H115160021	London	UK	1	ERR2516771	R	R	n/a	n/a	S	R	S	S	R	
H114920015	London	UK	2	ERR2516772	R	R	n/a	R	R	R	R	R	R	
H102740017	London	UK	2	ERR2516773	R	R	n/a	n/a	R	R	S	S	S	
H124080087	London	UK	4 (Haarlem)	ERR2516774	R	R	R	R	R	R	R	R	U	
H102540112	London	UK	2	ERR2516775	R	R	n/a	R	R	R	U	R	R	
H140820208	London	UK	3	ERR2516776	R	S	S	F	S	S	S	F	F	
H105080006	London	UK	2	ERR2516777	R	R	n/a	R	R	R	R	R	R	
H112980114	London	UK	4 (LAM)	ERR2516778	R	R	n/a	S	R	R	U	S	S	
H140640110	London	UK	2	ERR2516779	R	R	R	S	R	R	R	R	U	
H105240002	London	UK	2	ERR2516780	R	R	n/a	S	R	R	R	R	R	
H114600114	London	UK	2	ERR2516781	R	R	R	S	R	R	R	R	R	
H111860011	London	UK	3	ERR2516782	R	R	S	S	R	R	S	S	R	
H121040031	London	UK	4 (LAM)	ERR2516783	R	R	S	R	R	R	R	R	S	
H114440480	London	UK	2	ERR2516784	R	R	R	R	R	R	R	R	R	
H140800280	London	UK	2	ERR2516785	n/a	R	S	S	R	F	S	S	S	
H122800024	London	UK	1	ERR2516786	R	R	S	S	R	R	S	R		
H140820241	London	UK	2	ERR2516787	R	R	R	R	R	R	R	R	R	
H132140021	London	UK	2	ERR2516788	R	R	R	R	R	R	R	R	R	
H143080030	London	UK	1	ERR2516789	R	R	S	S	R	U	S	S	S	
H102080138	London	UK	3	ERR2516790	R	R	n/a	n/a	R	R	R	R	S	
H123300022	London	UK	3	ERR2516791	R	R	n/a	S	R	R	R	R	S	
H130140043	London	UK	4 (LAM)	ERR2516792	R	R	R	S	R	R	R	S	S	
H121160050	London	UK	2	ERR2516793	R	R	R	S	R	R	U	S		
H110580062	London	UK	3	ERR2516794	R	n/a	S	S	R	R	S	S	S	
H130660134	London	UK	2	ERR2516795	R	R	R	S	R	R	R	R	R	
H111720040	London	UK	2	ERR2516796	S	S	S	S	S	S	S	S	S	
H131080024	London	UK	4 (LAM)	ERR2516797	R	n/a	n/a	R	R	R	R	R	R	
H140640101	London	UK	2	ERR2516798	R	R	R	R	R	R	R	R	U	
H142440027	London	UK	2	ERR2516799	R	R	R	S	R	R	R	R	R	
H131520071	London	UK	3	ERR2516800	R	R	n/a	n/a	R	R	R	S		
H114780024	London	UK	2	ERR2516801	R	R	R	R	R	R	F	F		
H111380011	London	UK	1	ERR2516802	R	R	n/a	R	R	R	U	R		
H121380012	London	UK	1	ERR2516803	R	R	n/a	n/a	R	R	S	S		
H103060020	London	UK	2	ERR2516804	R	R	S	R	R	R	R	S		
H110560102	London	UK	2	ERR2516805	R	R	R	R	R	R	R	R		
H120460024	London	UK	2	ERR2516806	R	R	n/a	n/a	R	R	R	R		
H121640036	London	UK	4	ERR2516807	R	R	n/a	S	R	R	R	S		
H102060042	London	UK	4 (LAM)	ERR2516808	R	R	S	S	R	R	R	U		
H121340004	London	UK	3	ERR2516809	R	R	R	S	R	R	R	S		
H103920462	London	UK	4	ERR2516810	R	R	S	R	R	R	R	R		
H112660014	London	UK	4 (Ural)	ERR2516811	R	R	R	S	R	R	R	R		
H143340175	London	UK	2	ERR2516812	R	R	R	R	R	R	R	R		
H130280011	London	UK	2	ERR2516813	R	R	n/a	S	R	R	R	U		
H111840007	London	UK	3	ERR2516814	R	R	S	S	R	R	S	S		
H113540015	London	UK	3	ERR2516815	R	R	n/a	n/a	R	R	R	S		
H143740205	London	UK	4 (X-type)	ERR2516816	n/a	n/a	S	R	R	R	R	F		
H111940054	London	UK	2	ERR2516817	R	R	S	R	R	R	S	R		
H131000008	London	UK	3	ERR2516818	R	R	S	S	R	R	S	S		
H121320033	London	UK	1	ERR2516819	R	R	R	S	R	R	R	S		
H113560009	London	UK	3	ERR2516820	R	R	S	S	R	R	R	R		
H120420019	London	UK	3	ERR2516821	R	R	R	S	R	R	R	R		
H144480021	London	UK	2	ERR2516822	R	R	R	R	R	R	R	R		
H111560029	London	UK	2	ERR2516823	R	R	S	S	R	R	U	R		
H112020008	London	UK	2	ERR2516824	R	R	R	R	R	R	R	R		
H102040011	London	UK	2	ERR2516825	R	R	R	R	R	R	R	R		
H123200010	London	UK	2	ERR2516826	R	R	n/a	S	R	R	R	R		
H142600033	London	UK	3	ERR2516827	R	R	S	R	R	F	S			
H110540031	London	UK	1	ERR2516828	n/a	R	R	S	R	R	R			
H110800017	London	UK	2	ERR2516829	R	R	R	R	R	R	R			
H121200024	London	UK	3	ERR2516830	S	S	S	S	F	F	U			
H134920401	London	UK	4 (X-type)	ERR2516831	R	R	n/a	R	R	R	F			
H102860140	London	UK	3	ERR2516832	R	R	S	R	R	R	S			
H102880194	London	UK	1	ERR2516833	R	R	n/a	S	R	R	R			
H111560023	London	UK	4 (Cameroon)	ERR2516834	R	R	S	S	R	R	S			
H141780187	London	UK	2	ERR2516835	R	R	n/a	S	R	R	U			
H123320024	London	UK	4 (Cameroon)	ERR2516836	R	R	n/a	R	R	R	S			
H134780024	London	UK	3	ERR2516837	R	n/a	S	R	R	R	S			
H143160013	London	UK	2	ERR2516838	R	R	n/a	S	R	R	R			
H112040018	London	UK	3	ERR2516839	R	R	n/a	S	R	R	U			
H120720148	London	UK	4 (LAM)	ERR2516840	R	R	n/a	R	R	R	R			
H113100007	London	UK	2	ERR2516841	R	R	R	R	R	R	R			
H103820016	London	UK	2	ERR2516842	R	R	n/a	R	R	R	R			
H110820014	London	UK	2	ERR2516843	R	R	R	S	R	R	R			
H103340061	London	UK	2	ERR2516844	R	R	R	S	R	R	R			
H102960052	London	UK	2	ERR2516845	R	R	S	R	R	R	R			
H114540002	London	UK	2	ERR2516846	R	R	R	R	R	R	R			
H111380213	London	UK	2	ERR2516847	R	R	n/a	S	R	R	S			
H102640088	London	UK	3	ERR2516848	R	R	n/a	S	R	R	S			
H104480455	London	UK	4	ERR2516849	R	R	n/a	S	S	R	R			
H111540011	London	UK	Ghana	ERR2516850	R	R	n/a	R	R	R	S			
H142420003	London	UK	4 (Ural)	ERR2516851	R	R	n/a	R	R	R	U			
H112440007	London	UK	2	ERR2516852	R	R	n/a	R	R	R	R			
H131220032	London	UK	2	ERR2516853	R	R	n/a	n/a	R	R	R			
H143480223	London	UK	2	ERR2516854	R	R	R	R	R	R	R			
H143620222	London	UK	3	ERR2516855	R	R	S	S	U	S	S			
H134240034	London	UK	2	ERR2516856	R	R	R	S	R	R	S			
H140300086	London	UK	4 (LAM)	ERR2516857	R	R	n/a	S	R	R	S			
H122540026	London	UK	2	ERR2516858	R	R	n/a	R	R	R	S			
H121320021	London	UK	4 (Haarlem)	ERR2516859	R	R	S	S	R	R	S			
H143180015	London	UK	3	ERR2516860	R	S	S	S	R	S	U			
H102580404	London	UK	2	ERR2516861	R	R	n/a	S	R	R	S			
H105160024	London	UK	2	ERR2516862	R	R	n/a	S	R	R	S			
H120840306	London	UK	2	ERR2516863	R	R	R	S	R	R	S			
H134900365	London	UK	1	ERR2516864	R	n/a	S	S	R	R	S			
H132060032	London	UK	2	ERR2516865	R	R	n/a	S	R	R	R			
H123680040	London	UK	2	ERR2516866	R	R	n/a	S	R	R	R			
H110560002	London	UK	2	ERR2516867	R	R	n/a	R	R	R	R			
H122040011	London	UK	4 (Tur)	ERR2516868	R	R	R	R	R	R	R			
H133300021	London	UK	3	ERR2516869	S	S	S	F	S	S	F			
H130640097	London	UK	1	ERR2516870	R	R	n/a	S	R	R	R			
H112160033	London	UK	3	ERR2516871	R	R	n/a	S	R	R	U			
H131680038	London	UK	2	ERR2516872	R	R	R	R	R	R	R			
H130900010	London	UK	3	ERR2516873	S	S	S	S	S	S	F			
H123720020	London	UK	3	ERR2516874	R	R	n/a	S	R	R	S			
H122740073	London	UK	2	ERR2516875	R	R	R	R	R	R	R			
H145040031	London	UK	2	ERR2516876	R	R	n/a	S	R	R	S			
H123340049	London	UK	4 (X-type)	ERR2516877	R									

H134280018	London	UK	3	ERR2516879	R	R	R	S	R	R	
H112240073	London	UK	2	ERR2516880	R	R	n/a	R	R	R	R
H102400403	London	UK	1	ERR2516881	R	R	n/a	S	R	R	R
H132480029	London	UK	2	ERR2516882	R	R	n/a	R	R	R	R
H102800105	London	UK	3	ERR2516883	R	R	n/a	n/a	R	R	R
H150280020	London	UK	4 (Tur)	ERR2516884	R	R	R	S	R	R	S
H123300023	London	UK	4 (LAM)	ERR2516885	R	R	n/a	S	R	R	S
H112560226	London	UK	2	ERR2516886	R	R	R	S	R	R	R
H142100097	London	UK	2	ERR2516887	n/a	R	S	S	R	R	S
H131680035	London	UK	2	ERR2516888	R	R	R	S	R	R	R
H120580035	London	UK	4 (Cameroon)	ERR2516889	S	n/a	S	S	S	S	S
H143100018	London	UK	3	ERR2516890	R	R	n/a	R	R	R	R
H104120008	London	UK	2	ERR2516891	R	R	R	R	R	R	R
H143780227	London	UK	1	ERR2516892	R	R	n/a	S	R	U	S
H133240016	London	UK	2	ERR2516893	R	R	n/a	R	R	R	R
H113140103	London	UK	3	ERR2516894	R	R	n/a	S	R	R	S
H130760079	London	UK	2	ERR2516895	R	R	n/a	R	R	R	U
H144880098	London	UK	1	ERR2516896	R	R	S	S	R	R	S
H122040022	London	UK	2	ERR2516897	R	R	n/a	n/a	R	R	S
H113180014	London	UK	2	ERR2516898	R	R	R	R	R	R	R
H111620021	London	UK	2	ERR2516899	R	R	R	R	R	R	R
H144320050	London	UK	2	ERR2516900	R	R	R	S	R	R	S
H102500146	London	UK	4 (LAM)	ERR2516901	R	R	n/a	R	R	R	R
H123120211	London	UK	4 (LAM)	ERR2516902	R	R	n/a	S	R	R	S
H144300224	London	UK	3	ERR2516903	R	R	S	S	R	R	S
H125180101	London	UK	4 (Tur)	ERR2516904	R	R	S	S	R	R	U
H112380031	London	UK	2	ERR2516905	R	R	n/a	S	R	R	S
H134980271	London	UK	2	ERR2516906	R	R	n/a	S	R	R	F
H133160689	London	UK	4 (LAM)	ERR2516907	R	R	n/a	S	R	R	S
H120660003	London	UK	3	ERR2516908	R	R	n/a	R	R	R	R
H112040005	London	UK	4 (Haarlem)	ERR2516909	R	R	S	S	R	R	S
H113140110	London	UK	2	ERR2516910	R	R	R	R	R	R	R
H112580018	London	UK	2	ERR2516911	R	R	R	R	R	R	R
H103460397	London	UK	1	ERR2516912	R	R	S	S	R	R	S
H111520011	London	UK	4	ERR2516913	R	R	S	S	R	R	S
H130380158	London	UK	4 (Tur)	ERR2516914	R	R	S	R	R	R	R
H111960022	London	UK	3	ERR2516915	R	R	n/a	n/a	R	R	S
H143240163	London	UK	2	ERR2516916	R	R	R	S	R	R	R
H102720013	London	UK	2	ERR2516917	R	R	n/a	R	R	R	U
H143140060	London	UK	3	ERR2516918	R	R	S	S	U	R	S
H140880224	London	UK	3	ERR2516919	R	S	S	S	U	S	S
H114620029	London	UK	4 (Haarlem)	ERR2516920	R	R	R	n/a	R	R	R
H124820130	London	UK	2	ERR2516921	R	R	n/a	n/a	R	R	R
H114980033	London	UK	2	ERR2516922	R	R	n/a	n/a	R	R	R
H143480205	London	UK	3	ERR2516923	R	R	S	S	R	R	S
H145020032	London	UK	4 (Tur)	ERR2516924	R	R	R	S	R	R	S
H120160025	London	UK	3	ERR2516925	R	R	S	S	R	R	S
H120640698	London	UK	2	ERR2516926	R	R	R	R	R	R	R
H133300002	London	UK	2	ERR2516927	R	R	n/a	R	R	R	R
H112580012	London	UK	3	ERR2516928	R	R	S	S	R	R	S
H102260124	London	UK	1	ERR2516929	R	R	R	R	R	R	R
H111900036	London	UK	4 (Cameroon)	ERR2516930	S	S	S	S	S	S	S
H131020017	London	UK	3	ERR2516931	R	R	n/a	S	R	R	S
H120840023	London	UK	4	ERR2516932	R	R	n/a	S	R	R	S
H114840036	London	UK	3	ERR2516933	R	R	S	S	R	R	R
H114360011	London	UK	4 (LAM)	ERR2516934	R	R	S	R	R	R	R
H101920694	London	UK	2	ERR2516935	R	R	R	R	R	R	S
H140260305	London	UK	2	ERR2516936	R	n/a	n/a	S	R	R	U
H114740009	London	UK	3	ERR2516937	R	R	S	S	R	R	S
H132540044	London	UK	4	ERR2516938	R	R	n/a	n/a	R	R	U
H104020004	London	UK	4	ERR2516939	R	R	R	R	R	R	R
H123460050	London	UK	3	ERR2516940	R	R	n/a	R	R	R	R
H112880076	London	UK	1	ERR2516941	R	R	S	S	R	R	S
H113020004	London	UK	4	ERR2516942	R	R	n/a	S	R	R	R
H123460044	London	UK	2	ERR2516943	R	R	R	S	R	R	R
H122020037	London	UK	4 (Tur)	ERR2516944	R	R	S	S	R	R	S
H102640056	London	UK	4	ERR2516945	R	R	n/a	S	R	R	R
H114400013	London	UK	4 (LAM)	ERR2516946	R	R	n/a	S	R	R	R
H114740004	London	UK	3	ERR2516947	R	R	n/a	S	R	R	R
H144400047	London	UK	1	ERR2516948	R	R	S	S	R	R	S
H111540004	London	UK	2	ERR2516949	R	R	n/a	R	R	R	R
H112860025	London	UK	2	ERR2516950	R	R	R	S	R	R	R
H122860049	London	UK	4 (LAM)	ERR2516951	R	R	n/a	S	R	R	S
H105160152	London	UK	4 (Cameroon)	ERR2516952	S	S	S	S	S	S	S
H131780007	London	UK	2	ERR2516953	R	R	S	S	R	R	R
H140300080	London	UK	4 (LAM)	ERR2516954	R	R	n/a	S	R	R	R
H144000191	London	UK	4 (LAM)	ERR2516955	R	R	n/a	R	R	R	U
H124160071	London	UK	3	ERR2516956	R	R	n/a	S	R	R	R
H110200006	London	UK	2	ERR2516957	S	n/a	S	S	S	S	S
H130320037	London	UK	4 (Cameroon)	ERR2516958	R	R	n/a	n/a	R	R	S
H131320020	London	UK	2	ERR2516959	R	R	R	R	R	R	R
H110720021	London	UK	2	ERR2516960	R	R	R	R	R	R	R
H123660058	London	UK	4 (X-type)	ERR2516961	R	R	n/a	S	R	R	R
H122100024	London	UK	4 (Tur)	ERR2516962	R	R	S	S	R	R	S
H132560017	London	UK	2	ERR2516963	R	R	R	S	R	R	R
H124720152	London	UK	4 (LAM)	ERR2516964	R	R	R	S	R	R	R
H144800311	London	UK	2	ERR2516965	R	R	S	S	R	R	U
H104480049	London	UK	2	ERR2516966	S	S	S	S	S	S	S
H130600165	London	UK	4	ERR2516967	R	R	n/a	S	R	R	R
H104500470	London	UK	2	ERR2516968	R	R	R	R	R	R	R
H120800010	London	UK	4 (Cameroon)	ERR2516969	R	R	n/a	S	R	R	R
H144720288	London	UK	4 (S-type)	ERR2516970	R	R	R	S	R	R	S
H143120831	London	UK	3	ERR2516971	R	R	S	R	R	R	R
H141860035	London	UK	4 (Tur)	ERR2516972	R	R	S	S	R	R	S
H130260030	London	UK	2	ERR2516973	R	R	R	R	R	R	R
H104840010	London	UK	4 (Cameroon)	ERR2516974	R	R	n/a	S	R	R	R
H122660008	London	UK	4 (Haarlem)	ERR2516975	R	R	R	S	R	R	S
H130560193	London	UK	2	ERR2516976	R	R	S	S	R	R	R
H131460076	London	UK	2	ERR2516977	R	R	n/a	R	R	R	U
H103540353	London	UK	2	ERR2516978	R	R	n/a	R	R	R	R
H112980113	London	UK	2	ERR2516979	R	R	n/a	R	R	R	R
H122280029	London	UK	4	ERR2516980	R	R	R	S	R	R	S
H112700034	London	UK	2	ERR2516981	R	R	R	R	R	R	R
H104560351	London	UK	2	ERR2516982	R	R	R	R	R	R	R
H130380145	London	UK	2	ERR2516983	R	R	n/a	R	R	R	R
H114920016	London	UK	2	ERR2516984	R	R	n/a	S	R	R	R
H125180095	London	UK	4 (Cameroon)	ERR2516985	R	R	R	R	R	R	F
H132100029	London	UK	1	ERR2516986	R	R	n/a	S	R	R	S
H133600015	London	UK	4 (Cameroon)	ERR2516987	R	R	S	S	R	R	S
H112760022	London	UK	3	ERR2516988	R	R	S	S	R	R	S
H101460141	London	UK	3	ERR2516989	R	R	n/a	n/a	R	R	S
H102040119	London	UK	4 (LAM)	ERR2516990	R	R	n/a	R	R	R	R
H144060098	London	UK	2	ERR2516991	R	R	R	S	R	R	R
H114240009	London	UK	4 (Cameron)	ERR2516992	S	S	S	S	S	S	S
H122280030	London	UK	4 (Haarlem)	ERR2516993	R	R	R	R	R	R	U
H112260025	London	UK	2	ERR2516994	R	R	R	R	R	R	R
H150240214	London	UK	4 (Ural)	ERR2516995	R	R	n/a	R	R	R	R
H134560426	London	UK	3	ERR2516996	R	R	n/a	R	R	R	R
H131740058	London	UK	1	ERR2516997	R	R	n/a	S	R	R	S
H141220064	London	UK	2	ERR2516998	R	R	R	R	R	R	R
H133260002	London	UK	3	ERR2516999	R	n/a	S	S	R	R	S
H115120020	London	UK	2	ERR2517000	R	R	R	R	R	R	R

H131440121	London	UK	4 (Haarlem)	ERR2517001	R	R	n/a	n/a	R	R	U	R
H12360062	London	UK	3	ERR2517002	R	R	n/a	S	R	R	R	R
H134340142	London	UK	3	ERR2517003	R	R	n/a	R	R	R	R	R
H111880072	London	UK	2	ERR2517004	R	R	R	S	R	R	R	R
H122780021	London	UK	2	ERR2517005	R	R	R	R	R	R	R	R
H143880210	London	UK	2	ERR2517006	R	R	n/a	S	R	R	R	R
H122020014	London	UK	4 (Haarlem)	ERR2517007	R	R	S	S	R	R	S	S
H133700018	London	UK	4	ERR2517008	R	R	R	R	R	R	R	R
H134460397	London	UK	2	ERR2517009	R	R	n/a	R	R	R	R	R
H111060034	London	UK	2	ERR2517010	R	R	n/a	R	R	R	R	R
H130520152	London	UK	2	ERR2517011	R	R	R	R	R	R	R	R
H134060565	London	UK	3	ERR2517012	R	R	R	S	R	R	R	S
H115180008	London	UK	2	ERR2517013	R	R	R	R	R	R	R	R
H142680039	London	UK	2	ERR2517014	R	R	R	R	R	R	R	R
H133460009	London	UK	2	ERR2517015	R	R	n/a	R	R	R	R	R
H121400003	London	UK	2	ERR2517016	R	R	R	R	R	R	R	R
H102060503	London	UK	3	ERR2517017	R	R	n/a	S	R	R	R	S
H120320024	London	UK	1	ERR2517018	R	R	R	R	R	R	R	R
H103380436	London	UK	4	ERR2517019	R	R	R	R	R	R	R	R
H141480065	London	UK	3	ERR2517020	R	R	n/a	S	R	R	R	R
H101480093	London	UK	4 (Cameroon)	ERR2517021	R	R	S	S	R	R	S	S
H101320216	London	UK	2	ERR2517022	R	R	S	R	R	R	S	S
H142640017	London	UK	3	ERR2517023	R	R	R	S	R	R	R	R
H150140251	London	UK	3	ERR2517024	R	R	n/a	S	R	R	U	U
H133740011	London	UK	4 (Cameroon)	ERR2517025	R	R	S	S	R	R	S	S
H121460028	London	UK	3	ERR2517026	R	R	S	S	R	R	S	S
H142180021	London	UK	2	ERR2517027	R	R	S	S	R	R	S	S
H140120166	London	UK	4 (Cameroon)	ERR2517028	R	R	S	S	R	R	S	S
H110380009	London	UK	4 (Ural)	ERR2517029	R	R	S	S	R	R	S	S
H111100025	London	UK	4 (Cameroon)	ERR2517030	S	S	S	S	S	S	S	S
H130140042	London	UK	1	ERR2517031	R	R	R	S	R	R	R	S
H132340027	London	UK	2	ERR2517032	R	R	S	R	R	R	R	R
H112260020	London	UK	2	ERR2517033	R	R	n/a	R	R	R	U	R
H145180186	London	UK	3	ERR2517034	R	R	S	S	U	S	S	S
H143340168	London	UK	2	ERR2517035	R	R	S	S	R	R	S	R
H141950036	London	UK	2	ERR2517036	R	R	S	S	R	R	S	F
H122240093	London	UK	2	ERR2517037	R	R	S	S	R	R	S	S
H102800104	London	UK	2	ERR2517038	R	R	n/a	S	R	R	R	S
H131140031	London	UK	3	ERR2517039	R	R	S	S	R	R	R	S
H150280022	London	UK	4 (LAM)	ERR2517040	R	R	n/a	S	R	R	U	R
H113760006	London	UK	3	ERR2517041	R	R	n/a	R	R	R	R	U
H112420348	London	UK	4	ERR2517042	R	R	S	S	R	R	R	S
H144400036	London	UK	3	ERR2517043	R	R	S	S	R	R	S	S
H104640024	London	UK	4 (LAM)	ERR2517044	R	R	S	n/a	R	R	R	U
H104420157	London	UK	4 (S-type)	ERR2517045	R	R	n/a	R	R	R	R	R
H130980067	London	UK	2	ERR2517046	R	R	n/a	R	R	R	R	R
H112580038	London	UK	2	ERR2517047	R	R	R	R	R	R	R	U
H142480019	London	UK	3	ERR2517048	n/a	S	S	S	F	S	S	F
H132920061	London	UK	2	ERR2517049	R	R	n/a	S	R	R	R	R
H122680006	London	UK	2	ERR2517050	S	S	S	S	S	S	S	S
H131020009	London	UK	2	ERR2517051	S	S	S	S	S	S	S	S
H122880003	London	UK	2	ERR2517052	R	R	n/a	S	R	R	R	S
H143540187	London	UK	2	ERR2517053	R	R	R	R	R	R	R	R
H112900016	London	UK	2	ERR2517054	n/a	R	S	R	R	R	S	R
H144840035	London	UK	3	ERR2517055	R	R	n/a	R	R	R	R	R
H111200010	London	UK	4 (Cameroon)	ERR2517056	R	R	n/a	S	R	R	R	S
H111540283	London	UK	4	ERR2517057	R	R	n/a	S	R	R	R	S
H123320016	London	UK	3	ERR2517058	S	S	S	S	F	S	F	S
H124940231	London	UK	2	ERR2517059	R	R	R	S	R	R	R	S
H122160005	London	UK	3	ERR2517060	R	R	S	S	R	R	U	S
H110800019	London	UK	2	ERR2517061	S	S	S	S	S	S	S	S
H102500149	London	UK	4 (LAM)	ERR2517062	R	R	n/a	S	R	R	R	U
H103060006	London	UK	3	ERR2517063	R	R	S	R	R	R	R	R
H120380038	London	UK	4 (Uganda)	ERR2517064	R	R	n/a	S	R	R	S	S
H130240005	London	UK	4 (Ural)	ERR2517065	R	n/a	S	S	R	R	S	S
H102360099	London	UK	1	ERR2517066	R	R	R	S	R	R	R	S
H111140023	London	UK	3	ERR2517067	R	R	n/a	R	R	R	R	R
H101740076	London	UK	3	ERR2517068	R	R	S	S	R	R	S	S
H124600163	London	UK	4 (Tur)	ERR2517069	R	R	S	R	R	R	R	R
H132740087	London	UK	2	ERR2517070	R	R	R	S	R	R	R	R
H131920005	London	UK	2	ERR2517071	R	R	n/a	R	R	R	R	R
H142440048	London	UK	2	ERR2517072	S	S	S	S	S	S	S	S
H121760053	London	UK	4 (Cameroon)	ERR2517073	n/a	R	S	S	R	R	S	S
H105100002	London	UK	3	ERR2517074	R	R	S	R	R	R	R	R
H114440076	London	UK	4 (LAM)	ERR2517075	R	R	n/a	S	R	R	R	R
H112540008	London	UK	4 (Cameroon)	ERR2517076	R	R	n/a	S	R	R	R	S
H102500696	London	UK	4	ERR2517077	R	R	n/a	n/a	R	R	R	R
H103860005	London	UK	1	ERR2517078	R	R	S	S	R	R	S	S
H110740021	London	UK	2	ERR2517079	R	R	S	S	R	R	S	S
H133000022	London	UK	4	ERR2517080	R	R	n/a	S	R	R	R	S
H123240040	London	UK	3	ERR2517081	R	R	n/a	S	R	R	R	S
H113980021	London	UK	1	ERR2517082	R	R	R	S	R	R	R	R
H131820988	London	UK	2	ERR2517083	R	R	n/a	R	R	R	R	R
H104800203	London	UK	4	ERR2517084	R	R	n/a	n/a	R	R	R	R
H112020004	London	UK	4 (Cameroon)	ERR2517085	R	R	S	R	R	R	S	S
H111100143	London	UK	1	ERR2517086	R	R	n/a	n/a	R	R	U	R
H149460023	London	UK	2	ERR2517087	R	n/a	R	R	R	R	R	R
H131360146	London	UK	4 (Haarlem)	ERR2517088	R	R	S	S	R	R	S	S
H103520338	London	UK	2	ERR2517089	R	R	R	S	R	R	R	R
H112640132	London	UK	2	ERR2517090	R	R	R	S	R	R	R	S
H142980133	London	UK	3	ERR2517091	R	R	S	S	R	R	S	S
H130600143	London	UK	2	ERR2517092	R	R	R	R	R	R	R	R
H110580004	London	UK	3	ERR2517093	R	R	n/a	S	R	R	R	R
H121920020	London	UK	4 (Cameroon)	ERR2517094	R	R	S	S	R	R	S	S
H131440141	London	UK	3	ERR2517095	R	R	n/a	S	R	R	R	R
H131280121	London	UK	2	ERR2517096	R	R	n/a	n/a	R	F	S	R
H101880135	London	UK	2	ERR2517097	R	R	n/a	R	R	R	R	U
H132620007	London	UK	2	ERR2517098	R	R	n/a	S	R	R	R	R
H143580008	London	UK	2	ERR2517099	R	R	n/a	R	R	R	R	R
H130600152	London	UK	4 (Tur)	ERR2517100	R	R	n/a	R	R	F	R	R
H104960117	London	UK	4	ERR2517101	R	R	n/a	S	R	R	S	S
H142060040	London	UK	M. orygis	ERR2517102	S	S	S	F	S	S	S	S
H111960042	London	UK	1	ERR2517103	R	R	S	S	R	R	S	S
H130160090	London	UK	1	ERR2517104	R	R	S	S	R	R	S	S
H140700024	London	UK	2	ERR2517105	S	S	S	S	S	S	S	S
H115260013	London	UK	2	ERR2517106	R	R	n/a	n/a	R	R	S	S
H120160158	London	UK	4 (LAM)	ERR2517107	R	R	R	S	R	R	R	S
H133580033	London	UK	2	ERR2517108	R	R	R	R	R	R	R	R
H112020026	London	UK	3	ERR2517109	S	S	S	S	F	S	S	S
H110640051	London	UK	3	ERR2517110	R	R	S	S	R	R	S	S
H120840035	London	UK	4 (Haarlem)	ERR2517111	R	R	S	S	R	R	S	R
H113560505	London	UK	2	ERR2517112	R	R	n/a	R	R	R	U	R
H130800564	London	UK	1	ERR2517113	R	R	n/a	S	R	R	S	S
H113240071	London	UK	2	ERR2517114	R	R	n/a	n/a	R	R	R	S
H125180079	London	UK	4 (Haarlem)	ERR2517115	R	R	S	S	R	R	S	S
H121580062	London	UK	3	ERR2517116	R	R	n/a	n/a	R	R	R	R
H130800044	London	UK	2	ERR2517117	R	R	n/a	S	R	R	R	R
H102760384	London	UK	2	ERR2517118	R	R	R	R	R	R	R	R
H130840124	London	UK	2	ERR2517119	R	R	n/a	S	R	R	S	S
H101860438	London	UK	4	ERR2517120	R	R	S	S	R	R	S	S
H120640724	London	UK</										

H112440006	London	UK	3	ERR2517123	R	R	S	R	R	R	R	R	R
H130260029	London	UK	1	ERR2517124	R	R	S	S	R	R	S	S	S
H13240102	London	UK	2	ERR2517125	R	R	n/a	R	R	R	S	R	R
				ERR553020									
8783-09	MSF	Swaziland	1	ERR553021	R	R	R	R	R	R	R	R	R
431-10	MSF	Swaziland	4 (S-type)	ERR552491	R	R	R	R	R	R	R	R	R
10453-09	MSF	Swaziland	4 (LAM)	ERR551231	R	R	S	S	U	F	F	F	S
7713-09	MSF	Swaziland	2	ERR551650	R	R	R	S	R	R	R	R	S
				ERR552572									
6955-09	MSF	Swaziland	4 (S-type)	ERR552573	R	R	R	R	R	R	R	R	R
4347-09	MSF	Swaziland	1	ERR2199956	S	S	S	n/a	S	S	S	S	S
6243-09	MSF	Swaziland	4 (X-type)	ERR2200074	S	S	S	n/a	S	S	S	S	S
6085-09	MSF	Swaziland	4	ERR2200067	S	S	S	n/a	S	S	S	S	S
				ERR2200048									
5750-09	MSF	Swaziland	1	ERR552420	R	S	S	R	R	R	U		S
8585-09	MSF	Swaziland	4 (LAM)	ERR552789	R	R	S	R	R	R	R	R	R
				ERR2199994									
5088-09	MSF	Swaziland	4 (S-type)	ERR551969	R	R	S	R	R	R	R	R	R
4727-09	MSF	Swaziland	4 (X-type)	ERR2199979	S	S	S	n/a	S	S	U	R	S
				ERR551194									
4298-09	MSF	Swaziland	4 (S-type)	ERR551195	R	n/a	R	R	R	R	R	R	R
				ERR2199774									
1060-10	MSF	Swaziland	1	ERR2199775	S	S	S	n/a	S	S	S	S	S
				ERR2200064									
6059-09	MSF	Swaziland	4 (X-type)	ERR553204	R	R	R	R	R	R	R	U	
118-10	MSF	Swaziland	4 (LAM)	ERR552221	R	S	S	S	R	S	S	S	S
1054-10	MSF	Swaziland	4 (LAM)	ERR498238	R	S	S	S	R	S	S	S	S
5093-09	MSF	Swaziland	1	ERR2199995	S	S	S	n/a	S	S	S	S	S
603-10	MSF	Swaziland	4 (S-type)	ERR552763	R	R	R	R	R	R	R	R	R
5582-09	MSF	Swaziland	4 (Haarlem)	ERR2200040	S	S	S	n/a	S	S	S	S	S
438-10	MSF	Swaziland	4 (S-type)	ERR553357	R	R	S	R	R	R	R	R	R
				ERR2199758									
10301-09	MSF	Swaziland	4	ERR551523	S	R	S	S	S	F	S	S	S
5111-09	MSF	Swaziland	3	ERR2000002	S	S	S	n/a	S	S	S	S	S
5755-09	MSF	Swaziland	4 (Haarlem)	ERR552010	R	R	S	R	R	R	S	R	R
433-10	MSF	Swaziland	4 (S-type)	ERR552754	R	R	R	R	R	R	R	R	R
4723-09	MSF	Swaziland	4 (S-type)	ERR552083	R	n/a	R	R	R	R	R	R	R
				ERR551979									
				ERR551980									
				ERR551981									
				ERR551982									
7187-09	MSF	Swaziland	2	ERR551983	S	S	S	n/a	S	S	S	S	S
4273-09	MSF	Swaziland	4 (Haarlem)	ERR2199936	S	S	S	n/a	S	S	S	S	S
				ERR552764									
5579-09	MSF	Swaziland	4 (S-type)	ERR552765	R	R	R	R	R	R	R	R	R
				ERR2199953									
4344-09	MSF	Swaziland	4 (LAM)	ERR2199954	S	S	S	n/a	S	S	U	S	S
				ERR2199750									
10121-09	MSF	Swaziland	4 (X-type)	ERR553354	R	R	R	R	R	R	R	U	
				ERR552074									
10702-09	MSF	Swaziland	4 (X-type)	ERR552075	R	R	R	n/a	R	R	R	U	
7175-09	MSF	Swaziland	4 (S-type)	ERR552612	R	R	R	R	R	R	R	R	R
1057-10	MSF	Swaziland	4 (LAM)	ERR553350	R	R	R	S	R	R	U	S	S
4711-09	MSF	Swaziland	4	ERR2199975	S	S	S	n/a	S	S	S	S	S
5126-09	MSF	Swaziland	4 (LAM)	ERR2200008	S	S	S	n/a	U	S	S	S	S
5099-09	MSF	Swaziland	4 (Haarlem)	ERR2199996	S	S	S	n/a	S	S	S	S	S
5106-09	MSF	Swaziland	1	ERR552115	R	R	R	R	R	R	R	R	R
				ERR2199766									
10436-09	MSF	Swaziland	4 (S-type)	ERR552118	R	n/a	R	R	R	R	R	R	R
				ERR551941									
4285-09	MSF	Swaziland	4 (X-type)	ERR551942	S	S	S	n/a	S	S	S	S	S
5121-09	MSF	Swaziland	4	ERR2000006	S	S	S	n/a	S	S	S	S	S
7186-09	MSF	Swaziland	4	ERR553182	R	S	S	R	R	S	S	R	R
6070-09	MSF	Swaziland	4 (X-type)	ERR2000065	S	S	S	n/a	S	S	S	S	S
5079-09	MSF	Swaziland	4 (Haarlem)	ERR2199992	S	S	S	n/a	S	S	S	S	S
				ERR552821									
4724-09	MSF	Swaziland	4 (S-type)	ERR552822	R	n/a	R	R	R	R	R	R	R
1053-10	MSF	Swaziland	4 (X-type)	ERR550959	R	R	R	n/a	R	R	R	R	U
				ERR552253									
10452-09	MSF	Swaziland	4 (S-type)	ERR552254	R	R	R	R	R	R	R	R	R
4695-09	MSF	Swaziland	4 (LAM)	ERR2199970	S	S	S	n/a	U	S	S	S	S
6643-09	MSF	Swaziland	4 (X-type)	ERR2200087	S	S	S	n/a	S	S	S	S	S
4339-09	MSF	Swaziland	4	ERR552710	R	R	S	R	R	R	R	R	R
5758-09	MSF	Swaziland	4 (S-type)	ERR552981	R	R	S	S	R	R	R	S	S
				ERR552875									
				ERR552876									
				ERR552877									
10298-09	MSF	Swaziland	4 (S-type)	ERR552878	R	R	R	R	R	R	R	R	R
4697-09	MSF	Swaziland	4 (S-type)	ERR2199972	S	S	S	n/a	S	S	S	S	S
5072-09	MSF	Swaziland	4 (LAM)	ERR2199989	S	S	S	n/a	U	S	S	S	S
5114-09	MSF	Swaziland	2	ERR551545	R	R	R	R	R	R	R	R	U
11237-09	MSF	Swaziland	1	ERR551739	R	R	R	R	R	R	R	R	R
4256-09	MSF	Swaziland	4 (X-type)	ERR2199924	S	S	S	n/a	S	S	S	S	S
5556-09	MSF	Swaziland	4 (LAM)	ERR2200038	S	S	S	n/a	S	S	S	S	S
4255-09	MSF	Swaziland	1	ERR2199923	S	S	S	n/a	S	S	S	S	S
5752-09	MSF	Swaziland	4 (LAM)	ERR2200049	S	S	S	n/a	R	S	S	S	S
11238-09	MSF	Swaziland	1	ERR552000	R	R	R	R	R	R	R	R	R
10438-09	MSF	Swaziland	4 (S-type)	ERR552405	R	R	R	R	R	R	R	R	R
4269-09	MSF	Swaziland	2	ERR2199932	S	S	S	n/a	S	S	S	S	S
5130-09	MSF	Swaziland	1	ERR2200009	S	S	S	n/a	S	S	U	S	S
				ERR2199778									
10706-09	MSF	Swaziland	4 (X-type)	ERR553028	R	R	R	n/a	R	R	R	U	
9085-09	MSF	Swaziland	4 (S-type)	ERR551299	R	R	S	S	R	R	S	S	S
				ERR552619									
				ERR552620									
				ERR552621									
10292-09	MSF	Swaziland	4 (X-type)	ERR552622	S	S	S	n/a	S	S	S	S	S
5105-09	MSF	Swaziland	4 (LAM)	ERR2199999	S	S	S	n/a	S	S	S	S	S
				ERR550863									
9562-09	MSF	Swaziland	4 (X-type)	ERR550864	R	R	R	R	R	R	R	U	
				ERR553342									
7173-09	MSF	Swaziland	4 (X-type)	ERR553343	R	R	R	n/a	R	R	R	U	
8786-09	MSF	Swaziland	4 (Haarlem)	ERR550657	R	S	S	S	R	S	S	S	S
4258-09	MSF	Swaziland	4 (LAM)	ERR2199926	S	S	S	n/a	S	S	S	S	S
11015-09	MSF	Swaziland	4 (S-type)	ERR550861	R	R	R	R	R	R	R	R	R
4253-09	MSF	Swaziland	4 (LAM)	ERR2199922	S	S	S	n/a	S	S	S	S	S
4267-09	MSF	Swaziland	4 (S-type)	ERR2199930	S	S	S	n/a	S	S	S	S	S
4713-09	MSF	Swaziland	4 (X-type)	ERR553105	R	R	R	n/a	R	R	R	U	
604-10	MSF	Swaziland	2	ERR552421	S	R	S	S	S	R	S	S	S
5250-09	MSF	Swaziland	2	ERR2200015	S	S	S	n/a	S	S	S	S	S
4691-09	MSF	Swaziland	1	ERR2199969	S	S	S	n/a	S	S	S	S	S
5083-09	MSF	Swaziland	4 (LAM)	ERR2199993	S	S	S	n/a	S	S	S	S	S
1207-10	MSF	Swaziland	2	ERR2199807	S	S	S	n/a	S	S	S	S	S
				ERR552989									
				ERR552990									
				ERR552991									
8313-09	MSF	Swaziland	4 (LAM)	ERR552992	R	R	S	S	R	R	S	S	S
4688-09	MSF	Swaziland	2	ERR551079	S	S	S	n/a	S	S	S	S	S

10451-09	MSF	Swaziland	4 (S-type)	ERR552672 ERR2199997	R	R	R	R	R	R	R	R
5100-09	MSF	Swaziland	4	ERR552415	R	R	R	R	R	R	R	R
4268-09	MSF	Swaziland	4 (LAM)	ERR2199931	S	S	S	n/a	U	S	S	S
6948-09	MSF	Swaziland	4 (X-type)	ERR2200096	S	S	S	n/a	S	S	S	S
117-10	MSF	Swaziland	4 (Haarlem)	ERR553053	R	R	R	R	R	R	R	R
9080-09	MSF	Swaziland	4 (S-type)	ERR551536	R	R	R	R	R	R	R	R
4731-09	MSF	Swaziland	4 (S-type)	ERR552397 ERR551240	S	S	S	n/a	S	S	S	S
8318-09	MSF	Swaziland	4 (X-type)	ERR551241	R	R	R	n/a	R	R	R	U
11016-09	MSF	Swaziland	4 (X-type)	ERR552720	R	R	R	n/a	R	R	R	U
110-10	MSF	Swaziland	1	ERR2199787	S	S	S	n/a	S	S	U	S
5741-09	MSF	Swaziland	4	ERR552929	R	S	S	S	R	S	S	S
5572-09	MSF	Swaziland	4	ERR2200039	S	S	S	n/a	S	S	S	S
8779-09	MSF	Swaziland	4 (X-type)	ERR552917	R	R	R	n/a	R	R	R	U
10513-09	MSF	Swaziland	4 (LAM)	ERR2199771	S	S	S	n/a	S	S	S	S
8592-09	MSF	Swaziland	4 (LAM)	ERR2200119	S	S	S	n/a	R	S	S	S
6078-09	MSF	Swaziland	2	ERR551621	R	R	S	R	R	R	R	R
7704-09	MSF	Swaziland	4 (X-type)	ERR552151	R	R	S	R	R	R	R	U
6251-09	MSF	Swaziland	2	ERR2200077	S	S	S	n/a	S	S	S	S
4283-09	MSF	Swaziland	4 (Haarlem)	ERR551045	R	R	S	R	R	R	S	R
5122-09	MSF	Swaziland	4	ERR2200007	S	S	S	n/a	S	S	S	S
8303-09	MSF	Swaziland	1	ERR551334	R	R	R	R	R	R	R	R
5737-09	MSF	Swaziland	2	ERR2200043	S	S	S	n/a	S	S	S	S
1202-10	MSF	Swaziland	4 (X-type)	ERR551692	R	R	R	R	R	R	R	R
7178-09	MSF	Swaziland	4 (X-type)	ERR552361	R	R	R	n/a	R	R	R	U
5102-09	MSF	Swaziland	4 (LAM)	ERR2199998	S	S	S	n/a	S	S	S	S
5268-09	MSF	Swaziland	4 (X-type)	ERR2200019	S	S	S	n/a	S	S	U	S
10704-09	MSF	Swaziland	4 (S-type)	ERR551280	R	R	R	R	R	R	R	R
4722-09	MSF	Swaziland	2	ERR2199977	S	S	S	n/a	S	S	S	S
4293-09	MSF	Swaziland	1	ERR2199942	S	S	S	n/a	S	S	U	S
5246-09	MSF	Swaziland	4 (S-type)	ERR551242	R	R	R	R	R	R	R	R
4696-09	MSF	Swaziland	1	ERR2199971	S	S	S	n/a	S	S	S	S
6949-09	MSF	Swaziland	4 (S-type)	ERR551758	R	R	R	R	R	R	R	R
5108-09	MSF	Swaziland	4 (X-type)	ERR2200001	S	S	S	n/a	S	S	S	S
10505-09	MSF	Swaziland	4 (X-type)	ERR551246	R	R	R	n/a	R	R	R	U
8302-09	MSF	Swaziland	4 (X-type)	ERR550813	R	R	R	n/a	R	R	R	U
8587-09	MSF	Swaziland	4 (Haarlem)	ERR2200118	S	S	S	n/a	S	S	S	S
5264-09	MSF	Swaziland	4 (LAM)	ERR2200018	S	S	S	n/a	S	S	S	S
596-10	MSF	Swaziland	4 (X-type)	ERR551393	R	R	R	n/a	R	R	R	U
4277-09	MSF	Swaziland	2	ERR2199938	S	S	S	n/a	S	S	S	S
5243-09	MSF	Swaziland	2	ERR2200014	S	S	S	n/a	S	S	S	S
7185-09	MSF	Swaziland	4 (S-type)	ERR552124	R	R	R	R	R	R	R	R
5549-09	MSF	Swaziland	4 (Haarlem)	ERR2200034	S	S	S	n/a	S	S	S	S
4296-09	MSF	Swaziland	2	ERR551855	S	S	S	n/a	S	S	S	S
5256-09	MSF	Swaziland	4	ERR2200017	S	S	S	n/a	S	S	S	S
8316-09	MSF	Swaziland	1	ERR2200115	S	S	S	n/a	S	U	U	S
10701-09	MSF	Swaziland	4 (S-type)	ERR552870	R	n/a	R	R	R	R	R	R
4730-09	MSF	Swaziland	4 (LAM)	ERR2199981	S	S	S	n/a	U	S	S	S
7716-09	MSF	Swaziland	4 (X-type)	ERR552186	R	R	R	n/a	R	R	R	U
10293-09	MSF	Swaziland	4 (X-type)	ERR552296	R	R	R	n/a	R	R	R	U
11020-09	MSF	Swaziland	4	ERR551456	R	R	S	R	R	S	S	R
6266-09	MSF	Swaziland	4 (LAM)	ERR552071	R	S	S	S	R	S	S	S
9565-09	MSF	Swaziland	4 (X-type)	ERR2200139	S	S	S	n/a	S	S	S	S
5274-09	MSF	Swaziland	4 (Haarlem)	ERR550872	R	S	S	S	S	S	S	S
5149-09	MSF	Swaziland	2	ERR5522806	R	S	S	n/a	R	S	S	S
173-10	MSF	Swaziland	4 (LAM)	ERR2199834	S	S	S	n/a	S	S	S	S
4288-09	MSF	Swaziland	2	ERR553058	R	R	R	S	R	R	R	R
4248-09	MSF	Swaziland	4 (S-type)	ERR552193	R	R	R	R	R	R	R	R
597-10	MSF	Swaziland	4 (S-type)	ERR552487	R	R	R	R	R	R	R	R
601-10	MSF	Swaziland	4 (X-type)	ERR553328	R	R	R	R	R	R	R	U
5148-09	MSF	Swaziland	2	ERR2200010	S	S	S	n/a	S	S	S	S
4716-09	MSF	Swaziland	4 (LAM)	ERR2199976	S	S	S	n/a	S	S	U	S
5569-09	MSF	Swaziland	2	ERR553157	S	S	S	n/a	S	S	S	S
5797-09	MSF	Swaziland	4 (LAM)	ERR551391	R	S	S	S	R	S	S	S
4699-09	MSF	Swaziland	4	ERR2199973	S	S	S	n/a	S	S	S	S
4290-09	MSF	Swaziland	1	ERR2199940	S	S	S	n/a	S	S	S	S
4259-09	MSF	Swaziland	4 (LAM)	ERR2199927	S	S	S	n/a	S	S	S	S
4257-09	MSF	Swaziland	2	ERR2199925	S	S	S	n/a	R	S	S	S
7179-09	MSF	Swaziland	1	ERR552495	R	R	R	R	R	R	R	R
4249-09	MSF	Swaziland	4 (Haarlem)	ERR2199920	S	S	S	n/a	S	S	S	S
4721-09	MSF	Swaziland	4 (S-type)	ERR553230	R	R	R	R	R	R	R	R
5275-09	MSF	Swaziland	4 (S-type)	ERR553221	R	R	R	R	R	R	R	R
5273-09	MSF	Swaziland	2	ERR2200021	S	S	S	n/a	S	S	S	S
10114-09	MSF	Swaziland	4	ERR551166	R	R	R	R	R	R	R	R
119-10	MSF	Swaziland	4 (X-type)	ERR552288	R	R	R	R	R	R	R	U
4286-09	MSF	Swaziland	4 (X-type)	ERR2199939	S	S	S	n/a	S	S	U	S
4271-09	MSF	Swaziland	4 (LAM)	ERR2199934	S	S	S	n/a	R	S	S	S
6945-09	MSF	Swaziland	1	ERR551920	R	R	R	R	R	R	R	R
4709-09	MSF	Swaziland	4 (S-type)	ERR550741	R	R	R	R	R	R	R	R
111-10	MSF	Swaziland	4	ERR551953	R	R	R	R	R	R	R	R
4297-09	MSF	Swaziland	1	ERR219945	S	S	S	n/a	S	S	S	S
6652-09	MSF	Swaziland	4 (X-type)	ERR552073	R	R	R	R	R	R	R	U
1210-10	MSF	Swaziland	4 (S-type)	ERR551488	R	R	R	R	R	R	R	R
177-10	MSF	Swaziland	4 (LAM)	ERR2199842	S	S	S	n/a	R	S	S	S
7703-09	MSF	Swaziland	4 (S-type)	ERR552149	R	R	R	R	R	R	R	R
10703-09	MSF	Swaziland	4	ERR551289	R	R	R	S	R	R	R	R
5104-09	MSF	Swaziland	4 (LAM)	ERR550794	R	S	S	S	R	S	S	S
4294-09	MSF	Swaziland	4 (LAM)	ERR2199943	S	S	S	n/a	S	S	U	S
9081-09	MSF	Swaziland	4 (S-type)	ERR552987	R	R	R	R	R	R	R	R
7699-09	MSF	Swaziland	3	ERR2200105	S	S	S	n/a	S	S	S	S
5743-09	MSF	Swaziland	2	ERR2200044	S	S	S	n/a	S	S	S	S
4335-09	MSF	Swaziland	4 (X-type)	ERR552109	S	S	S	n/a	S	S	S	S
4250-09	MSF	Swaziland	4 (X-type)	ERR2199921	S	S	S	n/a	S	S	S	S
5251-09	MSF	Swaziland	4 (LAM)	ERR553366	S	R	S	S	U	R	S	S
6637-09	MSF	Swaziland	1	ERR550869	R	R	R	R	R	R	R	R
4687-09	MSF	Swaziland	4 (LAM)	ERR552695	S	S	S	S	R	S	S	S
4291-09	MSF	Swaziland	4 (LAM)	ERR2199941	S	S	S	n/a	U	S	S	S
5107-09	MSF	Swaziland	4 (S-type)	ERR2200000	S	S	S	n/a	S	S	S	S
7708-09	MSF	Swaziland	4	ERR552780	R	R	R	n/a	R	R	R	R
7712-09	MSF	Swaziland	4	ERR551689	R	S	S	S	R	S	S	S
5551-09	MSF	Swaziland	4	ERR2200035	S	S	S	n/a	S	S	S	S

9564-09	MSF	Swaziland	4	ERR553001 ERR553002 ERR551801 ERR553324 ERR2200046 ERR2200047	R R R R R R R R R F R	R R R R S S S S U S
175-10	MSF	Swaziland	1	ERR551204 ERR2200075	R S S S S n/a	R R R S S U
4276-09	MSF	Swaziland	2	ERR550976 ERR2199747	R R R R S S R R R	R R R S
5748-09	MSF	Swaziland	1	ERR551329 ERR2200030 ERR2200031	R R R R R R R R R	R R R R R
5537-09	MSF	Swaziland	4	ERR551204 ERR2200075	R S S S S	R S S S S
6247-09	MSF	Swaziland	2	ERR550976 ERR2199747	R R R S R R R R R	R S
10108-09	MSF	Swaziland	4 (S-type)	ERR552823	R R R R R R R R R	R R R R R
5076-09	MSF	Swaziland	4 (S-type)	ERR2199991	S S S S n/a	S S U S
11239-09	MSF	Swaziland	1	ERR553321	R R R R R R R R R	R R R R
5282-09	MSF	Swaziland	4 (S-type)	ERR2200024	S S S S n/a	S S S S S
4333-09	MSF	Swaziland	1	ERR219950 ERR2200094	S S S S n/a	S S S S S
6944-09	MSF	Swaziland	4 (S-type)	ERR553242	R R R R R R R R R	R R R R R
4295-09	MSF	Swaziland	4	ERR2199944	S S S S n/a	S S S S S
4287-09	MSF	Swaziland	2	ERR619080	S S S S n/a	R S S S S
11023-09	MSF	Swaziland	4 (S-type)	ERR551014	R R R R R R R R R	R R R R
5746-09	MSF	Swaziland	4	ERR2200045	S S S S n/a	S S S S S
10504-09	MSF	Swaziland	4	ERR552273	R R R R R R R R R	R R R R
4301-09	MSF	Swaziland	4	ERR2199947	S S S S n/a	S S S S S
7181-09	MSF	Swaziland	4 (LAM)	ERR553358	R R R R R R R R R	R R R R
5115-09	MSF	Swaziland	4 (S-type)	ERR2200004	S S S S n/a	S S S S S
5759-09	MSF	Swaziland	2	ERR22000051 ERR2199813	S S S S n/a	S S S S S
1215-10	MSF	Swaziland	4	ERR2199815	S S S S n/a	S S S S S
4337-09	MSF	Swaziland	4 (S-type)	ERR2199951	S S S S n/a	S S S S S
5239-09	MSF	Swaziland	1	ERR2200013	S S S S n/a	S S U S S
4261-09	MSF	Swaziland	4	ERR2199928	S S S S n/a	S S S S S
5771-09	MSF	Swaziland	2	ERR2200052	S S S S n/a	S S S S S
4262-09	MSF	Swaziland	4 (LAM)	ERR2199929	S S S S n/a	S S S S S
10507-09	MSF	Swaziland	2	ERR553313	R R R R R R R R R	R R R R U
5554-09	MSF	Swaziland	4 (Haarlem)	ERR2200037	S S S S n/a	S S S S S
7700-09	MSF	Swaziland	4 (S-type)	ERR552745	R R R R R R R R R	R R R R
4700-09	MSF	Swaziland	4 (S-type)	ERR551609	R n/a R R R R R R R	R R R R R
5146-09	MSF	Swaziland	4	ERR552701	R R S R R R R R R	R R R R R
5109-09	MSF	Swaziland	4 (S-type)	ERR552540	R R S R R R R R R	R R R R R
4345-09	MSF	Swaziland	1	ERR2199955	S S S S n/a	R S S S S
5075-09	MSF	Swaziland	4	ERR2199990	S S S S n/a	S S S S S
5287-09	MSF	Swaziland	2	ERR2200025	S S S S n/a	S S R S S
10512-09	MSF	Swaziland	1	ERR551319 ERR551937	R R R R R R R R R	R R R R
6255-09	MSF	Swaziland	4 (X-type)	ERR551938	R R R R R R R R R	R R R R U
7192-09	MSF	Swaziland	4 (Haarlem)	ERR551578	R R S S R R R R R	R U S
4330-09	MSF	Swaziland	4	ERR552456 ERR2199748	R R S R R R R R R	R R R R
10115-09	MSF	Swaziland	4 (S-type)	ERR552077	R R R R R R R R R	R R R R
4252-09	MSF	Swaziland	4 (X-type)	ERR550619	R R R R R R R R R	R R R R
5073-09	MSF	Swaziland	4 (X-type)	ERR5522751	R R R R R n/a R R R R	R R R R U
113-10	MSF	Swaziland	4 (Haarlem)	ERR551537 ERR2199793	R R S R F F S F	F S
11234-09	MSF	Swaziland	1	ERR553059	R R R R R R R R R	R R R R R
5269-09	MSF	Swaziland	4 (Haarlem)	ERR2200020 ERR552181	S S S S n/a S S S S	S S S S S
8591-09	MSF	Swaziland	4 (X-type)	ERR552182	R R R R R n/a R R R R	R R R R U
11236-09	MSF	Swaziland	1	ERR550754	R R R R R n/a R R R R	R R R R R
8580-09	MSF	Swaziland	4 (LAM)	ERR2200117	S S S S n/a S S S S	S S S S S
5117-09	MSF	Swaziland	4	ERR2200005	S S S S n/a S S S S	S S S S S
6653-09	MSF	Swaziland	4 (LAM)	ERR2200088	S S S S n/a S S S S	S S S S S
5069-09	MSF	Swaziland	4 (X-type)	ERR550636	R R R R R R R R R	R F F F F
5558-09	MSF	Swaziland	1	ERR551899 ERR2200068	R R R R R R R R R	R R R R
6087-09	MSF	Swaziland	4 (X-type)	ERR2200069	S S S S n/a S S S S	S S S S S
8784-09	MSF	Swaziland	4	ERR552809 ERR2200103	R R R R R n/a S S S S	R R R R S
7172-09	MSF	Swaziland	4	ERR2199935 ERR2199757	S S S S n/a S S S S	S S S S S
4272-09	MSF	Swaziland	4 (X-type)	ERR2199757	S S S S n/a S S S S	S S S S S
10294-09	MSF	Swaziland	4 (S-type)	ERR552496	R R R R R R R R R	R R R R R
6256-09	MSF	Swaziland	4 (X-type)	ERR2200078	S S S S n/a S S S S	S S S S S
4712-09	MSF	Swaziland	4 (X-type)	ERR552518	R R R R R R R R R	R R R R R
6268-09	MSF	Swaziland	4 (Haarlem)	ERR2200080 ERR552993	S S S S n/a S S S S	S S S S S
6267-09	MSF	Swaziland	4 (X-type)	ERR552994	R R R R R R R R R	R R R R R
5539-09	MSF	Swaziland	4	ERR2200032	S S S S n/a S S S S	S S S S S
5544-09	MSF	Swaziland	4 (X-type)	ERR2200033	S S S S n/a S S S S	S S S S S
6269-09	MSF	Swaziland	4 (Haarlem)	ERR553216 ERR2199811	R R R R R R R R R	R R R R R
1213-10	MSF	Swaziland	4 (Haarlem)	ERR553284	S S S S S S S S S	S S S S S
7171-09	MSF	Swaziland	4 (X-type)	ERR553264	R R R R n/a R R R R	R R R R
5118-09	MSF	Swaziland	4 (S-type)	ERR550868	S S S S n/a S S S S	S S S S S
6265-09	MSF	Swaziland	2	ERR552743 ERR2199533	S S S S n/a S S S S	S S S S S
4270-09	MSF	Swaziland	2	ERR2199533	S S S S n/a S S S S	S S S S S
5080-09	MSF	Swaziland	4 (S-type)	ERR552599	R R R R R R R R R	R R R R R
5772-09	MSF	Swaziland	4 (X-type)	ERR550734	R R R R R R R R R	R R R R R
8581-09	MSF	Swaziland	4	ERR552463	R R R S R R R R R	R R R R R
4289-09	MSF	Swaziland	4 (LAM)	ERR552352	R S S R R R R R R	S S R R R
4725-09	MSF	Swaziland	4 (S-type)	ERR552637	R R n/a R R R R R R	R R R R R
8781-09	MSF	Swaziland	4 (S-type)	ERR552070	R R R R R R R R R	R R R R R
10116-09	MSF	Swaziland	4 (S-type)	ERR2199749	S S S S n/a S S S S	S S S S S
4275-09	MSF	Swaziland	4 (LAM)	ERR2199937	S S S S n/a S S S S	S S S S S
4328-09	MSF	Swaziland	1	ERR2199949	S S S S n/a S S S S	S S S S S
4703-09	MSF	Swaziland	2	ERR551071	S S S S n/a S S S S	S S S S S
6249-09	MSF	Swaziland	4 (Haarlem)	ERR2200076	S S S S n/a S S S S	S S S S S
6263-09	MSF	Swaziland	4 (Haarlem)	ERR2200079	S S S S n/a S S S S	S S S S S
8304-09	MSF	Swaziland	2	ERR553116 ERR2199768	S R S S S S S S S	R S S S S
10442-09	MSF	Swaziland	4	ERR551896	R R S R R R R R R	S R S R
5753-09	MSF	Swaziland	4 (S-type)	ERR552484	R R R R R R R R R	R R R R R
8576-09	MSF	Swaziland	4 (S-type)	ERR553282	R R R R R R R R R	R R R R R
5276-09	MSF	Swaziland	4 (LAM)	ERR2200023	S S S S n/a S S S S	S S S S S
4735-09	MSF	Swaziland	4 (LAM)	ERR2199982	S S S S n/a S S S S	S S S S S
4300-09	MSF	Swaziland	1	ERR2199946	S S S S n/a S S S S	S S S S S
4343-09	MSF	Swaziland	4 (LAM)	ERR2199952	S S S S n/a S S S S	S S S S S
NLS32	Netherlands	Netherlands	4	ERR2517580	S S S S S S S S S	S S S S S
NL015	Netherlands	Netherlands	4 (Haarlem)	ERR2517140	S S S S S S S S S	S S S S S
NL039	Netherlands	Netherlands	4	ERR2517159	S S S S S S S S S	S S S S S
NL153	Netherlands	Netherlands	4 (Haarlem)	ERR2517260	S R S S S S S S S	R S S S S
NL041	Netherlands	Netherlands	4 (Ural)	ERR2517161	S S S S S S S S S	S S S S S
NL147	Netherlands	Netherlands	4 (Cameroon)	ERR2517254	n/a S S S S S S R S	S S S S S
NL060	Netherlands	Netherlands	4 (Tur)	ERR2517177	S S S S n/a S S S S	S S S S S
NL515	Netherlands	Netherlands	4 (Tur)	ERR2517568	S S S S S S U S S	S S S S S
NL243	Netherlands	Netherlands	4 (LAM)	ERR2517334	S S S S S S S S S	S S S S S
NL034	Netherlands	Netherlands	4 (Uganda)	ERR2517354	S S S S F S S S R	S S S S R
NL328	Netherlands	Netherlands	M. bovis	ERR2517408	S S S S R U S S R	S S S S R

NL135	Netherlands	Netherlands 4 (Haarlem)	ERR2517244	n/a	S	S	S	R	S	S	S
NL198	Netherlands	Netherlands 1	ERR2517297	S	S	S	S	S	S	S	S
NL047	Netherlands	Netherlands 4	ERR2517367	S	S	S	S	S	S	S	S
NL355	Netherlands	Netherlands 4	ERR2517428	S	S	S	S	S	S	S	S
NL554	Netherlands	Netherlands 3	ERR2517599	S	S	S	S	S	S	S	U
NL317	Netherlands	Netherlands 3	ERR2517399	S	S	S	S	S	S	S	S
NL001	Netherlands	Netherlands 4	ERR2517127	S	S	S	S	S	S	S	S
NL430	Netherlands	Netherlands 4 (Haarlem)	ERR2517494	S	S	S	S	S	S	S	S
NL125	Netherlands	Netherlands 3	ERR2517235	R	S	S	S	R	S	S	S
NL588	Netherlands	Netherlands 4	ERR2517632	R	n/a	S	S	R	R	S	S
NL421	Netherlands	Netherlands 4 (Haarlem)	ERR2517487	S	S	S	S	S	S	S	S
NL530	Netherlands	Netherlands 2	ERR2517578	S	S	S	S	S	S	S	S
NL331	Netherlands	Netherlands 3	ERR2517411	S	S	S	S	S	S	S	S
NL220	Netherlands	Netherlands 4	ERR2517315	S	S	S	n/a	S	S	U	F
NL491	Netherlands	Netherlands 4	ERR2517547	n/a	R	R	S	R	R	S	S
NL164	Netherlands	Netherlands 3	ERR2517269	S	S	S	S	S	S	S	S
NL079	Netherlands	Netherlands 4	ERR2517394	S	S	S	S	S	S	U	S
NL553	Netherlands	Netherlands 4	ERR2517598	S	S	S	S	S	S	S	S
NL529	Netherlands	Netherlands 4 (Haarlem)	ERR2517577	S	S	S	S	S	S	S	S
NL241	Netherlands	Netherlands 2	ERR2517333	R	R	S	R	R	R	R	R
NL201	Netherlands	Netherlands 4	ERR2517300	S	S	S	S	F	F	F	F
NL287	Netherlands	Netherlands 1	ERR2517374	S	S	S	S	S	S	S	S
NL145	Netherlands	Netherlands 4	ERR2517253	S	S	S	S	S	S	S	S
NL270	Netherlands	Netherlands 4 (LAM)	ERR2517358	S	S	S	S	S	S	S	S
NL542	Netherlands	Netherlands 4	ERR2517589	S	S	S	S	S	U	S	S
NL508	Netherlands	Netherlands 4	ERR2517564	S	S	S	S	S	S	S	S
NL555	Netherlands	Netherlands 4 (LAM)	ERR2517600	S	S	S	S	S	S	S	S
NL066	Netherlands	Netherlands 1	ERR2517183	S	S	S	S	S	S	S	S
NL136	Netherlands	Netherlands 2	ERR2517245	S	S	S	S	S	S	S	S
NL004	Netherlands	Netherlands 4 (Haarlem)	ERR2517130	S	S	S	n/a	S	F	U	S
NL391	Netherlands	Netherlands 4 (S-type)	ERR2517460	S	S	S	S	S	S	S	S
NL032	Netherlands	Netherlands 4 (LAM)	ERR2517153	S	S	S	S	S	U	S	S
NL087	Netherlands	Netherlands 3	ERR2517202	S	S	S	S	S	S	S	S
NL402	Netherlands	Netherlands 4	ERR2517470	S	S	S	S	S	S	S	S
NL045	Netherlands	Netherlands 4	ERR2517165	S	S	S	S	S	S	S	S
NL175	Netherlands	Netherlands 3	ERR2517278	S	S	S	S	S	S	S	S
NL265	Netherlands	Netherlands 4 (Tur)	ERR2517354	S	S	S	S	S	S	S	S
NL370	Netherlands	Netherlands 1	ERR2517440	R	S	S	S	R	R	S	S
NL077	Netherlands	Netherlands 2	ERR2517293	R	R	n/a	S	R	R	U	S
NL035	Netherlands	Netherlands 4	ERR2517155	S	S	S	S	S	S	U	S
NL245	Netherlands	Netherlands 4 (Tur)	ERR2517336	S	S	S	S	S	S	U	S
NL580	Netherlands	Netherlands 1	ERR2517624	n/a	S	S	S	R	S	S	S
NL385	Netherlands	Netherlands 3	ERR2517455	S	S	S	S	S	S	S	S
NL100	Netherlands	Netherlands 3	ERR2517215	S	S	S	S	S	S	S	S
NL545	Netherlands	Netherlands 4	ERR2517591	S	S	S	S	S	S	S	S
NL543	Netherlands	Netherlands 2	ERR2517590	S	S	S	S	S	S	U	S
NL253	Netherlands	Netherlands 4 (Haarlem)	ERR2517344	S	S	S	S	F	S	U	S
NL062	Netherlands	Netherlands BCG	ERR2517179	S	S	S	R	S	S	S	R
NL434	Netherlands	Netherlands 3	ERR2517498	S	S	S	S	S	S	S	S
NL102	Netherlands	Netherlands 2	ERR2517217	S	S	S	S	S	S	S	S
NL061	Netherlands	Netherlands 4 (Haarlem)	ERR2517378	S	S	S	S	S	S	S	S
NL454	Netherlands	Netherlands 4	ERR2517515	S	S	S	n/a	S	U	S	S
NL428	Netherlands	Netherlands 4 (Haarlem)	ERR2517492	S	S	S	S	S	S	S	S
NL130	Netherlands	Netherlands 1	ERR2517239	S	S	S	R	S	S	S	S
NL172	Netherlands	Netherlands 1	ERR2517276	S	S	S	R	S	S	S	S
NL185	Netherlands	Netherlands 1	ERR2517287	S	S	S	S	S	S	S	S
NL224	Netherlands	Netherlands 4 (Tur)	ERR2517319	S	S	S	S	S	S	S	S
NL056	Netherlands	Netherlands 2	ERR2517174	S	S	S	S	S	S	S	S
NL492	Netherlands	Netherlands 2	ERR2517548	R	R	n/a	R	R	R	U	R
NL496	Netherlands	Netherlands 4 (Haarlem)	ERR2517552	S	S	S	S	S	S	S	S
NL363	Netherlands	Netherlands 3	ERR2517433	R	S	S	S	R	S	U	S
NL213	Netherlands	Netherlands 4 (Haarlem)	ERR2517310	S	S	S	n/a	S	S	S	S
NL068	Netherlands	Netherlands 3	ERR2517184	S	S	S	S	S	S	S	S
NL065	Netherlands	Netherlands 3	ERR2517182	S	S	S	S	S	S	U	S
NL023	Netherlands	Netherlands 3	ERR2517148	S	S	S	S	S	S	S	S
NL250	Netherlands	Netherlands 4 (LAM)	ERR2517341	S	S	S	S	S	S	S	S
NL111	Netherlands	Netherlands 1	ERR2517226	S	S	S	S	S	S	S	S
NL285	Netherlands	Netherlands 4 (LAM)	ERR2517373	S	S	S	S	S	S	S	S
NL503	Netherlands	Netherlands 4 (LAM)	ERR2517559	S	S	S	S	S	S	S	S
NL396	Netherlands	Netherlands 4	ERR2517464	S	S	S	S	U	S	S	S
NL299	Netherlands	Netherlands 4 (LAM)	ERR2517384	S	S	S	S	S	S	S	S
NL601	Netherlands	Netherlands 4 (S-type)	ERR2517643	S	S	S	S	S	S	S	S
NL433	Netherlands	Netherlands 4	ERR2517497	R	S	S	S	R	R	S	S
NL151	Netherlands	Netherlands 2	ERR2517258	S	S	S	S	S	S	U	S
NL084	Netherlands	Netherlands 4 (Haarlem)	ERR2517299	S	S	S	S	S	S	S	S
NL105	Netherlands	Netherlands 3	ERR2517220	R	S	S	S	R	S	S	S
NL419	Netherlands	Netherlands 4 (S-type)	ERR2517485	S	S	S	S	S	S	S	S
NL365	Netherlands	Netherlands 4 (S-type)	ERR2517435	S	S	S	n/a	S	U	S	S
NL332	Netherlands	Netherlands 3	ERR2517412	S	S	S	S	S	S	S	S
NL106	Netherlands	Netherlands 3	ERR2517221	S	S	S	S	S	S	S	S
NL244	Netherlands	Netherlands 4 (Haarlem)	ERR2517335	R	S	S	S	R	S	S	S
NL086	Netherlands	Netherlands 4 (Haarlem)	ERR2517201	S	S	S	S	S	S	S	S
NL076	Netherlands	Netherlands 4 (Haarlem)	ERR2517192	S	S	S	S	S	S	S	S
NL559	Netherlands	Netherlands 1	ERR2517604	S	S	S	S	S	S	S	S
NL548	Netherlands	Netherlands 6	ERR2517594	S	S	S	S	S	S	U	S
NL573	Netherlands	Netherlands 4 (Tur)	ERR2517618	S	S	S	S	S	S	S	S
NL330	Netherlands	Netherlands 1	ERR2517410	R	S	S	S	R	S	S	S
NL570	Netherlands	Netherlands 4 (Haarlem)	ERR2517615	S	S	S	S	S	S	S	S
NL090	Netherlands	Netherlands 4 (Haarlem)	ERR2517205	S	S	S	S	S	S	S	S
NL044	Netherlands	Netherlands 4	ERR2517164	S	S	S	S	S	S	S	S
NL346	Netherlands	Netherlands 4	ERR2517422	S	S	S	S	S	S	S	S
NL264	Netherlands	Netherlands 4	ERR2517353	S	S	S	S	S	S	S	S
NL455	Netherlands	Netherlands 4 (Haarlem)	ERR2517516	S	S	S	S	S	S	S	S
NL410	Netherlands	Netherlands 4 (Haarlem)	ERR2517478	S	S	S	S	S	S	S	S
NL158	Netherlands	Netherlands 4 (Haarlem)	ERR2517265	S	S	S	n/a	S	S	S	S
NL322	Netherlands	Netherlands 3	ERR2517404	S	S	S	S	S	S	S	S
NL193	Netherlands	Netherlands 1	ERR2517293	S	S	S	S	U	S	S	S
NL324	Netherlands	Netherlands 1	ERR2517405	S	S	S	S	S	S	S	S
NL431	Netherlands	Netherlands BCG	ERR2517495	S	S	S	R	S	S	S	R
NL148	Netherlands	Netherlands 3	ERR2517255	S	S	S	S	S	S	S	S
NL273	Netherlands	Netherlands 4 (Haarlem)	ERR2517361	S	S	S	S	S	S	S	S
NL073	Netherlands	Netherlands 3	ERR2517189	S	S	S	S	S	S	U	S
NL449	Netherlands	Netherlands 3	ERR2517510	S	S	S	S	S	S	S	S
NL202	Netherlands	Netherlands 2	ERR2517301	R	S	S	S	R	S	S	S
NL437	Netherlands	Netherlands 3	ERR2517501	S	S	S	n/a	S	S	S	S
NL613	Netherlands	Netherlands 1	ERR2517652	S	S	S	S	S	S	S	S
NL263	Netherlands	Netherlands 3	ERR2517352	S	S	S	S	S	S	U	S
NL565	Netherlands	Netherlands 4 (Haarlem)	ERR2517610	S	S	S	S	S	S	S	S
NL096	Netherlands	Netherlands 1	ERR2517211	S	S	S	S	S	S	S	S
NL550	Netherlands	Netherlands 4 (Haarlem)	ERR2517596	S	S	S	n/a	S	S	S	S
NL247	Netherlands	Netherlands 3	ERR2517338	S	S	S	S	S	S	S	S
NL392	Netherlands	Netherlands 4 (Uganda)	ERR2517461	S	S	S	S	S	S	U	S
NL566	Netherlands	Netherlands 4 (Tur)	ERR2517611	S	S	S	S	S	S	S	S
NL351	Netherlands	Netherlands M. bovis	ERR2517425	S	S	S	R	S	S	U	R
NL203	Netherlands	Netherlands 1	ERR2517302	S	S	S	S	S	S	S	S
NL196	Netherlands	Netherlands 1	ERR2517295	S	S	S	S	S	S	S	S
NL451	Netherlands	Netherlands 4 (Haarlem)	ERR2517512	S	S	S	S	S	S	S	S
NL149	Netherlands	Netherlands 2	ERR2517256	S	S	S	S	S	S	S	S
NL304	Netherlands	Netherlands 4	ERR2517386	S	S	S	S	S	S	U	S
NL534	Netherlands	Netherlands 4	ERR2517582	S	S	S	S	S	S	S	S
NL485	Netherlands	Netherlands 1	ERR2517542	S	S	S	S	S	S	S	S
NL309	Netherlands	Netherlands Ghana	ERR2517391	S	S	S	n/a	S	S	S	S

NL315	Netherlands	Netherlands 4	ERR2517397	S	S	S	S	S	S	S	S	S
NL108	Netherlands	Netherlands 3	ERR2517223	S	S	S	S	S	S	S	S	S
NL156	Netherlands	Netherlands 3	ERR2517263	S	S	S	S	S	S	S	S	S
NL414	Netherlands	Netherlands 4 (LAM)	ERR2517482	S	S	S	S	S	S	S	S	S
NL382	Netherlands	Netherlands 4	ERR2517452	S	S	S	S	S	S	S	S	S
NL275	Netherlands	Netherlands 4 (LAM)	ERR2517363	R	S	S	S	S	R	S	R	S
NL563	Netherlands	Netherlands 4	ERR2517608	S	S	S	n/a	S	S	S	S	S
NL549	Netherlands	Netherlands 4 (LAM)	ERR2517595	S	S	S	S	S	S	S	S	S
NL003	Netherlands	Netherlands 4 (Haarlem)	ERR2517129	S	S	S	S	S	S	S	S	S
NL082	Netherlands	Netherlands 1	ERR2517397	S	S	S	S	S	S	S	S	S
NL439	Netherlands	Netherlands 4 (LAM)	ERR2517503	S	S	S	S	S	S	S	U	S
NL072	Netherlands	Netherlands 3	ERR2517188	R	R	n/a	S	R	R	R	R	S
NL178	Netherlands	Netherlands 1	ERR2517281	R	S	S	S	R	S	S	S	S
NL354	Netherlands	Netherlands 4 (Tur)	ERR2517427	S	S	S	n/a	S	S	S	S	S
NL471	Netherlands	Netherlands 4	ERR2517531	S	S	S	S	S	S	S	S	S
NL445	Netherlands	Netherlands 4 (Cameroon)	ERR2517507	S	S	S	S	S	S	S	S	S
NL409	Netherlands	Netherlands 1	ERR2517477	S	S	S	S	S	S	S	S	S
NL133	Netherlands	Netherlands 4 (Haarlem)	ERR2517242	S	S	S	S	S	S	S	S	S
NL126	Netherlands	Netherlands 4	ERR2517236	S	S	S	S	S	S	S	S	S
NL018	Netherlands	Netherlands 4	ERR2517143	S	S	S	S	S	S	S	S	S
NL583	Netherlands	Netherlands 4	ERR2517627	S	S	S	n/a	S	U	S	S	S
NL207	Netherlands	Netherlands 1	ERR2517306	S	S	S	S	S	S	S	S	S
NL480	Netherlands	Netherlands 1	ERR2517538	S	S	S	S	S	S	S	S	S
NL167	Netherlands	Netherlands 4 (LAM)	ERR2517271	S	S	S	S	S	S	S	S	S
NL380	Netherlands	Netherlands 4 (Haarlem)	ERR2517450	S	S	S	S	S	S	S	S	S
NL232	Netherlands	Netherlands 4 (LAM)	ERR2517326	S	S	S	S	S	S	S	S	S
NL204	Netherlands	Netherlands 4 (Haarlem)	ERR2517303	S	S	S	S	S	S	S	S	S
NL361	Netherlands	Netherlands 4 (Haarlem)	ERR2517431	S	S	S	S	S	S	S	U	S
NL456	Netherlands	Netherlands 4 (Haarlem)	ERR2517517	S	S	S	S	S	S	S	S	S
NL452	Netherlands	Netherlands 3	ERR2517513	S	S	S	S	S	U	S	S	S
NL401	Netherlands	Netherlands 1	ERR2517469	S	S	S	S	S	S	S	S	S
NL152	Netherlands	Netherlands 4 (Cameroon)	ERR2517259	R	R	S	S	R	R	R	S	S
NL435	Netherlands	Netherlands 4 (LAM)	ERR2517499	S	S	S	S	S	S	S	S	S
NL569	Netherlands	Netherlands 4 (LAM)	ERR2517614	S	S	S	S	S	S	S	S	S
NL012	Netherlands	Netherlands 2	ERR2517137	R	S	S	S	R	S	S	S	S
NL479	Netherlands	Netherlands 4 (S-type)	ERR2517537	S	S	S	S	S	S	S	S	S
NL343	Netherlands	Netherlands 3	ERR2517419	S	S	S	S	S	S	S	S	S
NL176	Netherlands	Netherlands 4 (LAM)	ERR2517279	S	S	S	S	S	S	S	S	S
NL104	Netherlands	Netherlands 4 (S-type)	ERR2517219	S	S	S	n/a	S	S	U	S	S
NL599	Netherlands	Netherlands 1	ERR2517641	S	S	S	S	S	S	S	S	S
NL266	Netherlands	Netherlands 3	ERR2517355	S	S	S	S	S	S	S	S	S
NL500	Netherlands	Netherlands 1	ERR2517556	S	S	S	S	S	S	S	S	S
NL295	Netherlands	Netherlands 3	ERR2517380	S	S	S	S	S	S	S	S	S
NL069	Netherlands	Netherlands 1	ERR2517185	S	S	S	S	S	S	S	U	S
NL609	Netherlands	Netherlands 4 (LAM)	ERR2517648	R	S	S	S	R	S	S	S	S
NL134	Netherlands	Netherlands 4 (S-type)	ERR2517243	S	S	S	n/a	S	S	U	S	S
NL043	Netherlands	Netherlands 1	ERR2517163	S	S	S	S	S	S	S	S	S
NL574	Netherlands	Netherlands 1	ERR2517619	S	S	S	S	S	S	S	S	S
NL611	Netherlands	Netherlands 4 (LAM)	ERR2517650	S	S	S	S	S	S	S	S	S
NL181	Netherlands	Netherlands 4 (LAM)	ERR2517284	S	S	S	n/a	S	S	S	S	S
NL400	Netherlands	Netherlands 4	ERR2517468	S	S	S	S	S	S	S	S	S
NL058	Netherlands	Netherlands 4 (S-type)	ERR2517175	S	S	S	S	S	S	S	S	S
NL572	Netherlands	Netherlands 1	ERR2517617	S	S	S	S	R	S	S	U	S
NL422	Netherlands	Netherlands 3	ERR2517488	S	S	S	S	S	S	S	S	S
NL493	Netherlands	Netherlands 4 (LAM)	ERR2517549	S	S	S	S	S	S	S	S	S
NL586	Netherlands	Netherlands 4 (LAM)	ERR2517630	S	S	S	S	S	S	U	S	S
NL249	Netherlands	Netherlands 4 (LAM)	ERR2517340	S	S	S	S	S	S	S	S	S
NL283	Netherlands	Netherlands 3	ERR2517371	R	R	n/a	R	R	R	R	R	R
NL081	Netherlands	Netherlands 1	ERR2517196	S	S	S	S	S	S	S	S	S
NL404	Netherlands	Netherlands 4 (Haarlem)	ERR2517472	S	S	S	S	S	S	S	S	S
NL225	Netherlands	Netherlands 4 (S-type)	ERR2517320	n/a	S	S	S	R	S	S	S	S
NL313	Netherlands	Netherlands 1	ERR2517395	S	S	S	S	R	S	S	S	S
NL592	Netherlands	Netherlands 3	ERR2517634	S	S	S	S	S	S	S	S	S
NL042	Netherlands	Netherlands 2	ERR2517162	S	S	S	S	S	S	S	S	S
NL415	Netherlands	Netherlands 3	ERR2517483	S	S	S	S	S	S	S	S	S
NL490	Netherlands	Netherlands 1	ERR2517546	S	S	S	S	S	S	S	S	S
NL132	Netherlands	Netherlands 4 (S-type)	ERR2517241	S	S	S	S	S	S	S	S	S
NL088	Netherlands	Netherlands 4 (S-type)	ERR2517203	S	S	S	n/a	S	S	U	S	S
NL005	Netherlands	Netherlands 4	ERR2517131	S	S	S	S	S	S	S	S	S
NL379	Netherlands	Netherlands 4 (Haarlem)	ERR2517449	S	S	S	S	S	S	S	S	S
NL155	Netherlands	Netherlands 4 (Haarlem)	ERR2517262	n/a	S	S	S	R	S	S	S	S
NL107	Netherlands	Netherlands 4 (Tur)	ERR2517222	S	S	S	S	S	S	S	S	S
NL154	Netherlands	Netherlands 4 (Tur)	ERR2517261	S	S	S	S	F	S	S	S	S
NL022	Netherlands	Netherlands 4 (Tur)	ERR2517147	S	S	S	S	n/a	S	S	S	S
NL412	Netherlands	Netherlands 4	ERR2517480	S	S	S	S	S	S	S	U	S
NL371	Netherlands	Netherlands 3	ERR2517441	S	S	S	S	S	S	S	S	S
NL478	Netherlands	Netherlands 4 (Cameroon)	ERR2517536	S	S	S	S	S	S	S	S	S
NL297	Netherlands	Netherlands 4 (Tur)	ERR2517382	S	S	S	S	S	S	S	S	S
NL221	Netherlands	Netherlands 4 (LAM)	ERR2517316	S	S	S	S	S	S	S	S	S
NL466	Netherlands	Netherlands 2	ERR2517526	S	S	S	S	S	S	S	S	S
NL442	Netherlands	Netherlands 4 (Haarlem)	ERR2517505	S	S	S	S	S	S	S	S	S
NL571	Netherlands	Netherlands 4 (S-type)	ERR2517616	S	S	S	R	S	S	S	R	S
NL171	Netherlands	Netherlands 2	ERR2517275	n/a	S	S	S	R	S	S	S	S
NL537	Netherlands	Netherlands 4 (Tur)	ERR2517585	S	S	S	S	S	S	S	S	S
NL296	Netherlands	Netherlands 1	ERR2517381	S	S	S	S	S	S	U	S	S
NL587	Netherlands	Netherlands 4 (Haarlem)	ERR2517631	S	S	S	S	S	S	U	S	S
NL095	Netherlands	Netherlands 3	ERR2517210	S	S	S	S	S	S	U	S	S
NL458	Netherlands	Netherlands M. bovis	ERR2517518	S	S	S	R	S	S	S	R	S
NL405	Netherlands	Netherlands 4 (Cameroon)	ERR2517473	S	S	S	S	S	S	S	U	S
NL120	Netherlands	Netherlands 1	ERR2517233	S	S	S	R	S	S	S	U	S
NL498	Netherlands	Netherlands 4	ERR2517554	S	S	S	S	S	S	S	S	S
NL501	Netherlands	Netherlands 4 (LAM)	ERR2517557	S	S	S	S	S	S	S	S	S
NL163	Netherlands	Netherlands 4 (Haarlem)	ERR2517268	S	S	S	n/a	S	S	S	S	S
NL157	Netherlands	Netherlands 4 (Haarlem)	ERR2517264	S	S	S	S	S	S	S	S	S
NL420	Netherlands	Netherlands 3	ERR2517486	R	S	S	S	R	S	S	U	S
NL438	Netherlands	Netherlands 4 (LAM)	ERR2517502	S	S	S	S	S	S	S	U	S
NL166	Netherlands	Netherlands 1	ERR2517270	S	S	S	S	S	S	S	S	S
NL137	Netherlands	Netherlands 4 (Haarlem)	ERR2517246	S	S	S	S	S	S	S	S	S
NL170	Netherlands	Netherlands 4 (Tur)	ERR2517274	R	S	S	S	R	S	S	U	S
NL215	Netherlands	Netherlands 4	ERR2517311	S	S	S	S	S	S	S	U	S
NL378	Netherlands	Netherlands 3	ERR2517448	S	S	S	S	S	S	S	S	S
NL462	Netherlands	Netherlands 4 (Haarlem)	ERR2517522	S	S	S	S	S	S	S	S	S
NL535	Netherlands	Netherlands 4 (LAM)	ERR2517583	S	S	S	S	S	S	S	S	S
NL372	Netherlands	Netherlands 3	ERR2517442	S	S	S	S	S	S	S	S	S
NL230	Netherlands	Netherlands 3	ERR2517324	S	S	S	S	S	S	S	S	S
NL598	Netherlands	Netherlands 3	ERR2517640	S	S	S	S	S	S	S	S	S
NL486	Netherlands	Netherlands 4 (Haarlem)	ERR2517543	S	S	S	S	S	S	S	S	S
NL308	Netherlands	Netherlands 4	ERR2517390	S	S	S	n/a	S	S	S	S	S
NL284	Netherlands	Netherlands 2	ERR2517372	S	S	S	S	S	S	S	S	S
NL540	Netherlands	Netherlands 3	ERR2517587	S	S	S	S	S	S	S	S	S
NL387	Netherlands	Netherlands 3	ERR2517457	S	S	S	S	F	U	U	S	S
NL209	Netherlands	Netherlands 4 (Haarlem)	ERR2517308	S	S	S	n/a	S	S	S	S	S
NL246	Netherlands	Netherlands 4 (Haarlem)	ERR2517337	S	S	S	S	S	S	S	S	S
NL381	Netherlands	Netherlands 4	ERR2517451	S	S	S	S	S	S	S	S	S
NL292	Netherlands	Netherlands 4	ERR2517378	S	S	S	S	S	S	S	S	S
NL180	Netherlands	Netherlands 2	ERR2517283	S	S	S	S	S	S	S	S	S
NL538	Netherlands	Netherlands 3	ERR2517586	S	S	S	S	S	S	S	S	S
NL048	Netherlands	Netherlands 4	ERR2517668	S	S	S	S	S	S	S	S	S
NL289	Netherlands	Netherlands 4 (LAM)	ERR2517376	S	S	S	S	S	S	S	S	S
NL321	Netherlands	Netherlands 4 (LAM)	ERR2517403	S	S	S	S	S	S	S	S	S
NL511	Netherlands	Netherlands 1	ERR2517566	S	S	S	S	S	S	S	S	S
NL168	Netherlands	Netherlands 4 (Haarlem)	ERR2517272	S	S	S	S	S	S	S	S	S

NL408	Netherlands	Netherlands 4	ERR2517476	S	S	S	S	S	S	S	S	S
NL255	Netherlands	Netherlands M. caprae	ERR2517345	S	S	S	S	S	S	S	S	S
NL169	Netherlands	Netherlands 4 (Haarlem)	ERR2517273	S	S	S	S	S	S	S	S	S
NL546	Netherlands	Netherlands 4	ERR2517592	S	S	S	S	S	S	S	S	S
NL350	Netherlands	Netherlands 4	ERR2517424	S	S	S	S	S	S	S	S	S
NL578	Netherlands	Netherlands 3	ERR2517622	S	S	S	S	S	S	S	S	S
NL144	Netherlands	Netherlands 3	ERR2517252	S	S	S	S	S	S	S	S	S
NL397	Netherlands	Netherlands 3	ERR2517465	S	S	S	S	n/a	S	S	S	S
NL239	Netherlands	Netherlands 3	ERR2517331	S	S	S	S	S	S	S	S	S
NL227	Netherlands	Netherlands 4	ERR2517322	S	S	S	S	S	S	S	S	S
NL199	Netherlands	Netherlands 4 (LAM)	ERR2517298	S	S	S	S	n/a	S	S	S	S
NL375	Netherlands	Netherlands 3	ERR2517445	S	S	S	S	S	S	S	S	S
NL013	Netherlands	Netherlands 3	ERR2517138	S	S	S	S	F	S	S	S	S
NL377	Netherlands	Netherlands 4	ERR2517447	S	S	S	S	S	S	S	S	S
NL139	Netherlands	Netherlands 3	ERR2517248	S	S	S	S	S	S	S	S	S
NL063	Netherlands	Netherlands 4 (Haarlem)	ERR2517180	S	S	S	S	S	S	S	S	S
NL318	Netherlands	Netherlands 4	ERR2517400	S	S	S	S	S	S	S	S	S
NL179	Netherlands	Netherlands 4 (Haarlem)	ERR2517282	S	S	S	S	S	S	S	S	S
NL510	Netherlands	Netherlands 4 (Haarlem)	ERR2517565	S	S	S	S	S	S	S	S	S
NL234	Netherlands	Netherlands 1	ERR2517328	S	S	S	S	S	S	S	S	S
NL505	Netherlands	Netherlands 4 (Haarlem)	ERR2517561	S	S	S	S	S	S	S	S	S
NL294	Netherlands	Netherlands 4 (Tur)	ERR2517379	R	R	S	S	R	R	R	R	R
NL083	Netherlands	Netherlands 4 (Haarlem)	ERR2517198	S	S	S	S	S	S	S	S	S
NL183	Netherlands	Netherlands 4 (LAM)	ERR2517285	S	S	S	S	S	S	S	S	S
NL278	Netherlands	Netherlands 4 (Ural)	ERR2517366	S	S	S	S	S	S	S	S	S
NL521	Netherlands	Netherlands 4 (Haarlem)	ERR2517573	S	S	S	S	S	S	S	S	S
NL307	Netherlands	Netherlands 4 (LAM)	ERR2517389	S	S	S	S	S	S	S	S	S
NL595	Netherlands	Netherlands 4 (Haarlem)	ERR2517637	S	S	S	S	S	S	S	S	S
NL019	Netherlands	Netherlands 4 (LAM)	ERR2517144	S	S	S	S	S	S	S	S	S
NL527	Netherlands	Netherlands 3	ERR2517576	S	S	S	S	S	S	S	S	S
NL484	Netherlands	Netherlands 2	ERR2517541	S	S	S	S	S	S	S	S	S
NL582	Netherlands	Netherlands 3	ERR2517626	S	S	S	S	S	S	S	S	S
NL413	Netherlands	Netherlands 4 (Haarlem)	ERR2517481	S	S	S	S	S	S	S	S	S
NL477	Netherlands	Netherlands 4 (LAM)	ERR2517535	S	S	S	S	S	S	S	S	S
NL268	Netherlands	Netherlands BCG	ERR2517357	S	S	S	S	R	S	S	S	R
NL585	Netherlands	Netherlands 4 (LAM)	ERR2517629	S	S	S	S	S	S	S	S	S
NL252	Netherlands	Netherlands 4 (Uganda)	ERR2517343	S	S	S	S	S	S	S	S	S
NL281	Netherlands	Netherlands 2	ERR2517369	S	S	S	S	S	S	S	U	S
NL436	Netherlands	Netherlands 6	ERR2517500	S	S	S	S	S	S	U	U	S
NL233	Netherlands	Netherlands 4 (Haarlem)	ERR2517327	S	S	S	S	S	S	S	S	S
NL551	Netherlands	Netherlands 3	ERR2517597	S	S	S	S	S	S	S	S	S
NL305	Netherlands	Netherlands 4 (Haarlem)	ERR2517387	S	S	S	S	S	S	S	S	S
NL333	Netherlands	Netherlands 2	ERR2517413	S	S	S	S	S	S	S	S	S
NL256	Netherlands	Netherlands 4 (Haarlem)	ERR2517346	S	S	S	S	n/a	S	S	S	S
NL562	Netherlands	Netherlands 4 (Haarlem)	ERR2517607	S	S	S	S	S	S	S	S	S
NL038	Netherlands	Netherlands 3	ERR2517558	S	S	S	S	S	S	S	S	S
NL312	Netherlands	Netherlands 3	ERR2517394	S	S	S	S	S	S	S	S	S
NL025	Netherlands	Netherlands 2	ERR2517149	S	S	S	S	S	S	S	S	S
NL314	Netherlands	Netherlands 2	ERR2517396	S	S	S	S	S	S	S	S	S
NL533	Netherlands	Netherlands 3	ERR2517581	S	S	S	S	S	S	S	S	S
NL614	Netherlands	Netherlands 2	ERR2517653	S	S	S	S	S	S	S	S	S
NL050	Netherlands	Netherlands 2	ERR2517169	S	S	S	S	S	S	U	S	S
NL216	Netherlands	Netherlands 4	ERR2517312	S	S	S	S	S	S	S	S	S
NL389	Netherlands	Netherlands 4 (LAM)	ERR2517459	S	S	S	S	S	S	S	S	S
NL186	Netherlands	Netherlands 1	ERR2517288	S	S	S	S	S	S	U	U	S
NL002	Netherlands	Netherlands 1	ERR2517128	S	S	S	S	S	S	S	S	S
NL055	Netherlands	Netherlands 4 (Uganda)	ERR2517173	S	S	S	S	S	S	S	S	S
NL504	Netherlands	Netherlands 4 (LAM)	ERR2517560	S	S	S	S	n/a	S	S	S	S
NL368	Netherlands	Netherlands 3	ERR2517438	S	S	S	S	S	S	S	S	S
NL522	Netherlands	Netherlands 3	ERR2517574	S	S	S	S	S	S	S	S	S
NL016	Netherlands	Netherlands 4 (Haarlem)	ERR2517141	S	S	S	S	S	S	S	S	S
NL223	Netherlands	Netherlands 4 (LAM)	ERR2517318	R	S	S	S	R	S	R	S	S
NL411	Netherlands	Netherlands 4 (LAM)	ERR2517479	S	S	S	S	S	S	S	S	S
NL074	Netherlands	Netherlands 4 (LAM)	ERR2517190	S	S	S	S	S	S	S	S	S
NL257	Netherlands	Netherlands 4 (LAM)	ERR2517347	S	S	S	S	S	S	S	S	S
NL218	Netherlands	Netherlands 1	ERR2517313	S	S	S	S	F	S	F	S	S
NL064	Netherlands	Netherlands 3	ERR2517181	S	S	S	S	S	S	S	S	S
NL518	Netherlands	Netherlands 4 (Haarlem)	ERR2517570	S	S	S	S	S	S	S	S	S
NL460	Netherlands	Netherlands 4 (Haarlem)	ERR2517520	S	S	S	S	S	S	S	S	S
NL467	Netherlands	Netherlands 4	ERR2517527	S	S	S	S	S	S	S	S	S
NL516	Netherlands	Netherlands 4 (Tur)	ERR2517569	R	R	n/a	R	R	R	R	R	R
NL150	Netherlands	Netherlands 3	ERR2517257	S	S	S	S	S	S	S	S	S
NL142	Netherlands	Netherlands 3	ERR2517251	S	S	S	S	S	S	S	S	S
NL373	Netherlands	Netherlands M. bovis	ERR2517443	S	S	S	S	R	S	S	S	R
NL506	Netherlands	Netherlands 4 (Haarlem)	ERR2517562	S	S	S	S	S	S	S	S	S
NL116	Netherlands	Netherlands 4	ERR2517229	S	S	S	S	n/a	S	S	S	S
NL384	Netherlands	Netherlands 1	ERR2517454	S	S	S	S	S	S	S	S	S
NL211	Netherlands	Netherlands 4 (LAM)	ERR2517309	R	S	S	S	R	S	S	S	S
NL519	Netherlands	Netherlands 4 (Haarlem)	ERR2517571	S	S	S	S	S	S	S	S	S
NL600	Netherlands	Netherlands 1	ERR2517642	S	S	S	S	S	S	U	S	S
NL612	Netherlands	Netherlands 4	ERR2517651	S	S	S	S	S	S	S	R	S
NL031	Netherlands	Netherlands 3	ERR2517552	S	S	S	S	S	S	S	S	S
NL581	Netherlands	Netherlands 3	ERR2517625	S	S	S	S	n/a	S	S	S	S
NL357	Netherlands	Netherlands 2	ERR2517429	S	S	S	S	S	S	U	S	S
NL602	Netherlands	Netherlands 4 (Haarlem)	ERR2517644	S	S	S	S	F	S	S	F	S
NL280	Netherlands	Netherlands BCG	ERR2517368	S	S	S	S	R	S	S	S	R
NL206	Netherlands	Netherlands 4 (LAM)	ERR2517305	R	S	S	S	R	S	S	S	S
NL335	Netherlands	Netherlands 2	ERR2517414	S	S	S	S	S	S	S	S	S
NL040	Netherlands	Netherlands 4 (Haarlem)	ERR2517360	S	S	S	S	S	S	S	S	S
NL593	Netherlands	Netherlands 4	ERR2517635	S	S	S	S	S	S	S	S	S
NL604	Netherlands	Netherlands 4 (Haarlem)	ERR2517645	S	S	S	S	S	S	S	S	S
NL450	Netherlands	Netherlands 4 (S-type)	ERR2517511	S	S	S	S	S	S	S	S	S
NL226	Netherlands	Netherlands 4	ERR2517321	S	S	S	S	S	S	S	S	S
NL191	Netherlands	Netherlands 4	ERR2517291	S	S	S	S	S	S	S	S	U
NL558	Netherlands	Netherlands 4 (LAM)	ERR2517603	S	S	S	S	S	S	S	S	S
NL561	Netherlands	Netherlands 4 (Haarlem)	ERR2517606	S	S	S	S	S	S	U	S	S
NL259	Netherlands	Netherlands M. bovis	ERR2517349	S	S	S	S	R	S	S	R	S
NL276	Netherlands	Netherlands 4	ERR2517364	S	S	S	S	S	S	S	S	S
NL267	Netherlands	Netherlands 4 (Tur)	ERR2517356	S	S	S	S	n/a	S	S	S	S
NL345	Netherlands	Netherlands 3	ERR2517421	S	S	S	S	S	S	S	S	S
NL306	Netherlands	Netherlands 4 (Haarlem)	ERR2517388	S	S	S	S	S	S	S	S	S
NL298	Netherlands	Netherlands 4 (Tur)	ERR2517383	S	S	S	S	n/a	S	S	S	F
NL141	Netherlands	Netherlands 1	ERR2517250	R	S	S	S	R	S	S	S	S
NL376	Netherlands	Netherlands 3	ERR2517446	S	S	S	S	S	S	S	U	S
NL448	Netherlands	Netherlands 4 (LAM)	ERR2517509	S	S	S	S	S	S	S	S	S
NL547	Netherlands	Netherlands M. orygis	ERR2517593	S	S	S	S	n/a	S	S	U	S
NL029	Netherlands	Netherlands BCG	ERR2517515	S	S	S	S	R	S	S	S	R
NL188	Netherlands	Netherlands 3	ERR2517289	R	S	S	S	R	S	S	S	S
NL189	Netherlands	Netherlands 3	ERR2517290	S	S	S	S	S	S	S	S	S
NL432	Netherlands	Netherlands 4 (LAM)	ERR2517496	S	S	S	S	S	S	S	S	S
NL092	Netherlands	Netherlands 2	ERR2517207	S	S	S	S	S	S	S	S	S
NL200	Netherlands	Netherlands 4 (S-type)	ERR2517299	S	S	S	S	S	S	S	S	S
NL594	Netherlands	Netherlands 4 (Haarlem)	ERR2517636	S	S	S	S	S	S	S	S	S
NL085	Netherlands	Netherlands 4 (LAM)	ERR2517200	S	S	S	S	S	S	S	S	S
NL177	Netherlands	Netherlands 4 (S-type)	ERR2517280	S	S	S	S	S	S	S	S	S
NL160	Netherlands	Netherlands 4 (Haarlem)	ERR2517266	S	S	S	S	n/a	S	S	S	S
NL059	Netherlands	Netherlands 4 (Haarlem)	ERR2517176	S	S	S	S	S	S	S	S	S
NL575	Netherlands	Netherlands 3	ERR2517620	S	S	S	S	S	S	S	S	S
NL406	Netherlands	Netherlands 4 (Haarlem)	ERR2517474	S	S	S	S	n/a	F	S	F	S
NL374	Netherlands	Netherlands 4	ERR2517444	S	S	S	S	n/a	F	S	F	S
NL398	Netherlands	Netherlands 3	ERR2517466	S	S	S	S	S	S	S	S	S
NL399	Netherlands	Netherlands 4 (Haarlem)	ERR2517467	S	S	S	S	S	S	S	U	S

NL568	Netherlands	Netherlands 1	ERR2517613	S	S	S	S	S	S	S	S	S
NL336	Netherlands	Netherlands 1	ERR2517415	S	S	S	S	S	S	S	S	S
NL319	Netherlands	Netherlands 2	ERR2517401	S	S	S	S	S	S	S	S	S
NL128	Netherlands	Netherlands 1	ERR2517237	S	S	S	S	S	S	S	S	S
NL109	Netherlands	Netherlands 4 (Uganda)	ERR2517224	S	S	S	S	S	S	S	S	S
NL184	Netherlands	Netherlands 4 (Haarlem)	ERR2517286	S	S	S	S	S	S	S	S	S
NL140	Netherlands	Netherlands 3	ERR2517249	S	S	S	S	S	S	S	S	S
NL338	Netherlands	Netherlands 4 (Tur)	ERR2517416	S	S	S	S	S	S	S	S	S
NL383	Netherlands	Netherlands 4 (Cameroon)	ERR2517453	S	S	S	S	S	S	S	S	S
NL097	Netherlands	Netherlands 4	ERR2517212	S	S	S	S	S	S	S	S	S
NL021	Netherlands	Netherlands 2	ERR2517146	S	S	S	S	S	S	S	S	S
NL425	Netherlands	Netherlands 4 (LAM)	ERR2517490	S	S	S	S	S	S	S	U	S
NL473	Netherlands	Netherlands 4 (Haarlem)	ERR2517533	S	S	S	S	S	S	S	S	S
NL138	Netherlands	Netherlands 4	ERR2517247	S	S	S	S	S	S	S	S	S
NL564	Netherlands	Netherlands 4 (Tur)	ERR2517609	S	S	S	S	S	S	S	S	S
NL271	Netherlands	Netherlands 2	ERR2517359	S	S	S	S	S	S	S	U	S
NL556	Netherlands	Netherlands 3	ERR2517601	S	S	S	S	S	S	S	S	S
NL514	Netherlands	Netherlands 4 (LAM)	ERR2517567	n/a	S	S	n/a	U	S	S	S	S
NL205	Netherlands	Netherlands	ERR2517304	S	S	S	R	S	S	S	S	F
NL131	Netherlands	Netherlands 3	ERR2517240	S	S	S	S	S	S	S	S	S
NL080	Netherlands	Netherlands 1	ERR2517195	S	S	S	R	S	S	S	S	S
NL567	Netherlands	Netherlands 2	ERR2517612	S	S	S	S	S	S	S	S	S
NL342	Netherlands	Netherlands 4	ERR2517418	S	S	S	S	S	S	U	S	S
NL099	Netherlands	Netherlands 4 (Haarlem)	ERR2517214	S	S	S	S	S	S	S	U	S
NL089	Netherlands	Netherlands 4 (S-type)	ERR2517204	S	S	S	n/a	S	S	U	S	S
NL403	Netherlands	Netherlands 4	ERR2517471	S	S	S	S	S	S	S	U	S
NL279	Netherlands	Netherlands 4 (LAM)	ERR2517367	S	S	S	S	S	S	S	S	S
NL118	Netherlands	Netherlands 4	ERR2517231	S	S	S	S	S	S	S	S	S
NL597	Netherlands	Netherlands 4 (Tur)	ERR2517639	S	S	S	S	S	S	S	S	S
NL094	Netherlands	Netherlands 4 (LAM)	ERR2517209	S	S	S	S	S	S	S	S	S
NL407	Netherlands	Netherlands 4	ERR2517475	S	S	S	S	F	U	F	S	S
NL468	Netherlands	Netherlands 3	ERR2517528	S	S	S	S	F	U	F	U	S
NL316	Netherlands	Netherlands 4 (Tur)	ERR2517398	S	S	S	n/a	S	S	S	S	S
NL101	Netherlands	Netherlands 4	ERR2517216	S	S	S	S	S	S	S	S	S
NL075	Netherlands	Netherlands 4 (X-type)	ERR2517191	S	S	S	n/a	S	S	S	S	S
NL231	Netherlands	Netherlands 4 (S-type)	ERR2517325	S	S	S	S	S	S	S	S	S
NL577	Netherlands	Netherlands 3	ERR2517621	S	S	S	S	S	S	S	S	S
NL584	Netherlands	Netherlands 2	ERR2517628	S	S	S	S	S	S	S	S	S
NL208	Netherlands	Netherlands 2	ERR2517307	R	R	R	R	R	R	R	R	R
NL010	Netherlands	Netherlands 4 (S-type)	ERR2517135	S	S	S	S	S	S	S	S	S
NL258	Netherlands	Netherlands 3	ERR2517348	S	S	S	S	S	S	S	S	S
NL344	Netherlands	Netherlands 3	ERR2517420	S	S	S	S	S	S	S	S	S
NL117	Netherlands	Netherlands 4 (LAM)	ERR2517230	S	S	S	S	S	S	S	S	S
NL470	Netherlands	Netherlands 4 (LAM)	ERR2517530	S	S	S	S	S	S	S	S	S
NL369	Netherlands	Netherlands 3	ERR2517439	S	S	S	S	S	S	S	U	S
NL444	Netherlands	Netherlands 3	ERR2517506	S	S	S	S	S	S	S	S	S
NL006	Netherlands	Netherlands 3	ERR2517132	S	S	S	S	S	S	S	S	S
NL367	Netherlands	Netherlands 1	ERR2517437	S	S	S	S	S	S	S	S	S
NL362	Netherlands	Netherlands 4 (LAM)	ERR2517432	S	S	S	S	S	S	S	S	S
NL277	Netherlands	Netherlands 4	ERR2517365	S	S	S	S	S	S	S	S	S
NL197	Netherlands	Netherlands 4 (X-type)	ERR2517296	S	S	S	S	S	S	S	S	S
NL093	Netherlands	Netherlands 4	ERR2517208	S	S	S	S	U	S	S	S	S
NL579	Netherlands	Netherlands 3	ERR2517623	R	S	S	S	R	S	S	S	S
NL054	Netherlands	Netherlands 4 (Haarlem)	ERR2517172	S	S	S	S	S	S	S	S	S
NL553	Netherlands	Netherlands 4 (Haarlem)	ERR2517426	R	S	S	S	R	S	S	S	S
NL424	Netherlands	Netherlands 4 (Haarlem)	ERR2517489	S	S	S	S	U	F	U	S	S
NL541	Netherlands	Netherlands 4 (X-type)	ERR2517588	S	S	S	S	S	S	S	S	S
NL429	Netherlands	Netherlands 3	ERR2517493	S	S	S	S	S	S	S	S	S
NL037	Netherlands	Netherlands 3	ERR2517157	R	S	S	S	R	S	S	S	S
NL261	Netherlands	Netherlands 3	ERR2517351	S	S	S	S	S	S	S	S	S
NL091	Netherlands	Netherlands 3	ERR2517206	S	S	S	S	S	S	S	S	S
NL161	Netherlands	Netherlands 3	ERR2517267	S	S	S	S	S	S	S	S	S
NL386	Netherlands	Netherlands 3	ERR2517456	S	S	S	S	S	S	S	S	S
NL098	Netherlands	Netherlands 4 (Haarlem)	ERR2517213	S	S	S	S	S	S	S	S	S
NL536	Netherlands	Netherlands 4	ERR2517584	S	S	S	S	S	S	S	S	S
NL395	Netherlands	Netherlands 4 (Haarlem)	ERR2517463	S	S	S	S	S	S	S	S	S
NL481	Netherlands	Netherlands 3	ERR2517539	S	S	S	S	S	S	S	S	S
NL366	Netherlands	Netherlands 2	ERR2517436	R	R	n/a	R	R	R	R	R	R
NL494	Netherlands	Netherlands 4 (Haarlem)	ERR2517550	S	S	S	S	U	S	S	S	S
NL219	Netherlands	Netherlands 4 (LAM)	ERR2517314	S	S	S	S	S	S	S	S	S
NL606	Netherlands	Netherlands 4	ERR2517646	S	S	S	S	S	S	S	S	S
NL248	Netherlands	Netherlands 4 (LAM)	ERR2517339	S	S	S	S	S	S	S	S	S
NL463	Netherlands	Netherlands M. bovis	ERR2517523	S	S	S	R	S	S	S	S	R
NL228	Netherlands	Netherlands 4	ERR2517323	S	S	S	n/a	F	U	S	F	F
NL222	Netherlands	Netherlands 4	ERR2517217	S	S	S	S	S	S	S	S	S
NL192	Netherlands	Netherlands 3	ERR2517292	S	S	S	S	S	S	S	U	S
NL194	Netherlands	Netherlands 4 (Ural)	ERR2517294	S	S	S	S	S	S	S	S	S
NL052	Netherlands	Netherlands 4 (Haarlem)	ERR2517170	S	S	S	S	S	S	S	S	S
NL129	Netherlands	Netherlands 4	ERR2517238	S	S	S	S	S	S	S	S	S
NL260	Netherlands	Netherlands 4 (Haarlem)	ERR2517350	S	S	S	S	S	S	S	S	S
NL531	Netherlands	Netherlands 4 (LAM)	ERR2517579	S	S	S	S	S	S	S	S	S
NL014	Netherlands	Netherlands 4 (Haarlem)	ERR2517139	S	S	S	S	S	S	S	S	S
NL036	Netherlands	Netherlands 4 (LAM)	ERR2517156	S	S	S	S	S	S	S	S	S
NL359	Netherlands	Netherlands 4 (Haarlem)	ERR2517430	S	S	S	S	S	S	S	S	S
NL327	Netherlands	Netherlands 3	ERR2517407	S	S	S	S	S	S	S	S	S
NL459	Netherlands	Netherlands 4	ERR2517519	S	S	S	S	S	S	S	S	S
NL339	Netherlands	Netherlands 3	ERR2517417	S	S	S	S	S	S	U	S	S
NL251	Netherlands	Netherlands 4 (Tur)	ERR2517342	R	R	S	S	R	R	S	S	S
NL502	Netherlands	Netherlands 4	ERR2517558	S	S	S	S	S	S	S	S	S
NL560	Netherlands	Netherlands 3	ERR2517605	S	S	S	S	F	U	S	S	S
NL610	Netherlands	Netherlands 3	ERR2517649	S	S	S	n/a	S	S	S	S	S
NL282	Netherlands	Netherlands 4 (Haarlem)	ERR2517370	S	S	S	S	S	S	S	S	S
NL472	Netherlands	Netherlands 4 (Haarlem)	ERR2517532	S	S	S	S	S	S	S	S	S
NL520	Netherlands	Netherlands 4 (LAM)	ERR2517572	S	S	S	n/a	S	S	S	S	S
NL288	Netherlands	Netherlands 3	ERR2517375	S	S	S	S	S	S	S	S	S
NL475	Netherlands	Netherlands 4 (LAM)	ERR2517534	S	S	S	S	S	S	S	S	S
NL071	Netherlands	Netherlands 4	ERR2517187	S	S	S	S	S	S	S	S	S
NL310	Netherlands	Netherlands 4	ERR2517392	S	S	S	S	S	S	S	S	S
NL009	Netherlands	Netherlands 3	ERR2517134	R	S	S	R	S	S	S	S	S
NL274	Netherlands	Netherlands 3	ERR2517362	S	S	S	S	S	S	S	S	S
NL446	Netherlands	Netherlands 1	ERR2517508	S	S	S	S	S	S	S	S	S
NL103	Netherlands	Netherlands 4 (LAM)	ERR2517218	S	S	S	S	S	S	S	S	S
NL499	Netherlands	Netherlands 4 (Haarlem)	ERR2517555	S	S	S	S	S	S	S	S	S
NL608	Netherlands	Netherlands 4 (LAM)	ERR2517647	S	S	S	S	S	S	S	U	S
NL028	Netherlands	Netherlands 4	ERR2517150	S	S	S	S	S	S	S	S	S
NL469	Netherlands	Netherlands 4 (LAM)	ERR2517529	S	S	S	S	S	S	S	S	S
NL495	Netherlands	Netherlands 4 (Haarlem)	ERR2517551	S	S	S	S	S	S	S	S	S
NL291	Netherlands	Netherlands 5	ERR2517377	S	S	S	S	S	S	U	S	S
NL418	Netherlands	Netherlands 2	ERR2517484	n/a	R	S	S	R	R	U	S	S
NL110	Netherlands	Netherlands 3	ERR2517225	S	S	S	S	S	S	S	S	S
NL489	Netherlands	Netherlands 4	ERR2517545	S	S	S	S	S	S	S	S	S
NL119	Netherlands	Netherlands 4 (LAM)	ERR2517232	R	S	S	R	S	S	S	S	S
NL348	Netherlands	Netherlands 4	ERR2517423	S	S	S	S	S	S	S	S	S
NL388	Netherlands	Netherlands 4 (Haarlem)	ERR2517458	S	S	S	n/a	S	S	S	S	S
NL426	Netherlands	Netherlands 3	ERR2517491	S	S	S	S	S	S	S	S	S
NL394	Netherlands	Netherlands 4 (Haarlem)	ERR2517462	S	S	S	S	S	S	S	S	S
NL523	Netherlands	Netherlands 4	ERR2517575	S	S	S	S	S	S	S	S	S
NL497	Netherlands	Netherlands 4	ERR2517553	S	S	S	S	S	S	S	S	S
NL465	Netherlands	Netherlands 3	ERR2517525	S	S	S	S	S	S	U	S	S
NL046	Netherlands	Netherlands BCG	ERR2517166	S	S	S	R	S	S	S	S	R
NL453	Netherlands	Netherlands 4	ERR2517514	S	S	S	S	F	S	U	S	S
NL020	Netherlands	Netherlands 2	ERR2517145	S	S	S	S	S	S	S	S	S

NL464	Netherlands	Netherlands 4	ERR2517524	S	S	S	S	S	S	S	S	S	S
NL240	Netherlands	Netherlands 4 (Haarlem)	ERR2517332	S	S	S	S	S	S	S	S	S	S
NL017	Netherlands	Netherlands 3	ERR2517342	S	S	S	S	S	S	S	S	S	S
NL174	Netherlands	Netherlands 4	ERR2517277	S	S	S	S	S	S	S	S	S	S
NL482	Netherlands	Netherlands 4	ERR2517540	S	S	S	S	S	S	S	S	S	S
NL053	Netherlands	Netherlands 3	ERR2517371	S	S	S	S	S	S	S	S	S	S
NL070	Netherlands	Netherlands 3	ERR2517386	S	S	S	S	S	S	S	S	S	S
NL115	Netherlands	Netherlands 4 (Haarlem)	ERR2517228	S	S	S	S	S	S	S	U	S	S
NL329	Netherlands	Netherlands 4 (Haarlem)	ERR2517409	S	S	S	S	S	S	S	S	S	S
NL440	Netherlands	Netherlands 4 (LAM)	ERR2517504	S	S	S	S	S	S	S	S	S	S
NL007	Netherlands	Netherlands 4 (Haarlem)	ERR2517133	S	S	S	S	S	S	S	S	S	S
NL000	Netherlands	Netherlands 3	ERR2517326	S	S	S	S	S	S	S	U	S	S
NL124	Netherlands	Netherlands 4 (LAM)	ERR2517234	S	S	S	S	S	S	S	S	S	S
NL236	Netherlands	Netherlands 1	ERR2517330	S	S	S	n/a	S	S	S	S	S	S
NL235	Netherlands	Netherlands 4 (Cameroon)	ERR2517329	S	S	S	S	S	S	S	U	S	S
NL596	Netherlands	Netherlands 4 (Cameroon)	ERR2517638	S	S	S	S	S	S	S	S	S	S
NL112	Netherlands	Netherlands M. bovis	ERR2517227	S	S	S	R	U	S	S	U	R	S
NL507	Netherlands	Netherlands 4 (Haarlem)	ERR2517563	S	S	S	n/a	S	S	S	U	S	S
NL557	Netherlands	Netherlands 3	ERR2517602	S	S	S	n/a	S	S	S	S	S	S
NL301	Netherlands	Netherlands 4 (Tur)	ERR2517385	S	S	S	n/a	S	S	S	S	S	S
NL488	Netherlands	Netherlands 4 (LAM)	ERR2517544	S	S	S	S	S	S	S	S	S	S
NL011	Netherlands	Netherlands 4	ERR2517136	S	S	S	S	S	S	S	S	S	S
NL311	Netherlands	Netherlands 2	ERR2517393	S	S	S	S	S	S	U	S	S	S
NL320	Netherlands	Netherlands 4 (S-type)	ERR2517402	S	S	S	S	S	S	S	S	S	S
NL326	Netherlands	Netherlands 4	ERR2517406	S	S	S	S	S	S	S	S	S	S
NL589	Netherlands	Netherlands 2	ERR2517633	S	S	S	S	S	S	S	U	S	S
NL461	Netherlands	Netherlands 4 (LAM)	ERR2517521	S	S	S	S	S	S	S	S	S	S
NL364	Netherlands	Netherlands 2	ERR2517434	S	S	S	S	S	S	S	S	S	S
NL272	Netherlands	Netherlands 3	ERR2517360	S	S	S	S	S	S	S	S	S	S
T24097_OxRet_57	Oxford	UK 2	ERR2509673	S	S	S	S	S	S	U	F	U	S
H65996	Oxford	UK 4 (LAM)	ERR2509880	S	S	S	S	S	S	S	U	S	S
L91007	Oxford	UK 3	ERR2509885	S	S	S	S	S	S	F	F	S	S
H38567_GrandRound_1	Oxford	UK 3	ERR2509674	S	S	S	S	S	S	F	S	S	S
H61918	Oxford	UK 2	ERR2509682	S	S	S	S	S	S	S	S	S	S
M43317	Oxford	UK 3	ERR2509891	S	S	S	S	S	S	S	S	S	S
L89004	Oxford	UK 2	ERR2509884	R	R	n/a	S	R	R	R	R	S	S
W73987	Oxford	UK 3	ERR2509685	S	S	S	S	S	S	S	S	S	S
W80004	Oxford	UK 3	ERR2509879	S	S	S	S	S	S	S	S	S	S
W67458	Oxford	UK 2	ERR2509895	S	S	S	S	S	S	S	S	S	S
H38567_OxPro_068	Oxford	UK 3	ERR2509675	S	S	S	S	S	S	S	S	S	S
OxTb-431	Oxford	UK 3	ERR2509676	S	S	S	S	S	S	S	S	S	S
H72959	Oxford	UK 3	ERR2509882	S	S	S	S	S	S	S	S	S	S
L70379	Oxford	UK 4	ERR2509684	R	S	S	S	S	S	U	S	S	S
M29220_OxPro_054	Oxford	UK 4 (X-type)	ERR2509677	S	S	S	S	S	S	S	S	S	S
L99100	Oxford	UK 2	ERR2509888	S	S	S	S	S	S	S	S	S	S
M37617	Oxford	UK 4	ERR2509890	S	S	S	S	S	S	S	S	S	S
H69550	Oxford	UK 2	ERR2509881	S	S	S	S	S	S	S	S	S	S
W2224	Oxford	UK 2	ERR2509894	S	S	S	S	S	S	S	S	S	S
L93729	Oxford	UK 3	ERR2509886	S	S	S	S	S	S	F	F	U	S
M46124	Oxford	UK 4 (LAM)	ERR2509892	R	S	S	S	R	S	S	S	S	S
OxTb-427	Oxford	UK 1	ERR2509678	S	S	S	S	S	S	S	U	S	S
OxTb-430	Oxford	UK 2	ERR2509679	S	S	S	S	S	S	S	U	S	S
F70275_E2	Oxford	UK 2	ERR2509681	S	S	S	S	S	S	F	S	S	F
W78132	Oxford	UK 3	ERR2509896	S	S	S	S	S	S	S	S	S	S
F41766_OxRet_216	Oxford	UK 1	ERR2509680	S	S	S	S	S	S	S	S	S	S
W78432	Oxford	UK 2	ERR2509897	R	R	R	S	R	R	R	R	R	R
W73990_E3	Oxford	UK 3	ERR2509686	S	S	S	S	S	S	S	S	S	S
L99797	Oxford	UK 4	ERR2509889	R	S	S	S	S	S	U	S	S	S
W39592_OxPro_9	Oxford	UK 4 (X-type)	ERR2509683	S	S	S	S	S	F	S	S	F	S
L94062	Oxford	UK 4	ERR2509887	R	S	S	S	S	S	U	S	S	S
T28530	Oxford	UK 4	ERR2509893	S	S	S	S	S	S	S	S	U	S
H74998	Oxford	UK 2	ERR2509883	S	S	S	S	S	S	S	S	S	S
T20779	Oxford	UK 3	SR6367395	S	S	S	S	S	S	S	S	S	S
T23882	Oxford	UK 3	SR6339663	S	S	S	S	S	S	S	S	F	S
CRYPAK227-17	Pakistan	Pakistan 3	ERR2510632	R	S	S	S	R	S	S	S	S	S
CRYPAK239-17	Pakistan	Pakistan 3	ERR2510285	R	R	S	R	R	R	R	R	R	R
CRYPAK319-17	Pakistan	Pakistan 3	ERR2510586	R	R	S	R	R	R	R	R	R	R
CRYPAK422-16	Pakistan	Pakistan 3	ERR2510385	R	R	R	R	R	R	R	R	R	U
CRYPAK47-17	Pakistan	Pakistan 4 (X-type)	ERR2510610	R	R	R	R	R	R	R	R	R	R
CRYPAK479-16	Pakistan	Pakistan 3	ERR2510370	R	R	R	S	R	R	R	R	R	R
CRYPAK434-16	Pakistan	Pakistan 1	ERR2510448	R	R	R	S	R	R	R	R	R	S
CRYPAK212-17	Pakistan	Pakistan 3	ERR2510628	R	R	R	R	R	R	R	R	R	R
CRYPAK175-17	Pakistan	Pakistan 3	ERR2510563	R	R	S	S	R	R	R	R	S	S
CRYPAK204-17	Pakistan	Pakistan 3	ERR2510248	S	S	S	S	S	S	S	S	S	S
CRYPAK86-17	Pakistan	Pakistan 4 (Cameroon)	ERR2510592	R	R	S	S	R	R	R	R	R	R
CRYPAK560-16	Pakistan	Pakistan 2	ERR2510597	R	R	S	S	R	R	F	F	S	S
CRYPAK273-17	Pakistan	Pakistan 3	ERR2510294	R	R	S	R	R	R	R	R	F	S
CRYPAK439-16	Pakistan	Pakistan 3	ERR2510452	R	R	S	S	S	S	S	S	S	S
CRYPAK470-16	Pakistan	Pakistan 3	ERR2510576	R	R	R	R	R	R	R	R	R	R
332-16	Pakistan	Pakistan 3	ERR2510402	R	R	R	S	R	R	R	S	S	S
CRYPAK561-16	Pakistan	Pakistan 3	ERR2510585	R	R	S	S	S	R	R	F	S	S
CRYPAK468-16	Pakistan	Pakistan 3	ERR2510630	R	R	R	R	S	R	R	S	S	S
CRYPAK419-16	Pakistan	Pakistan 3	ERR2510526	R	R	R	R	S	R	R	R	R	U
CRYPAK87-17	Pakistan	Pakistan 3	ERR2510587	R	R	R	S	R	R	R	R	R	U
CRYPAK396-16	Pakistan	Pakistan 1	ERR2510429	R	R	R	R	R	R	R	R	S	R
CRYPAK128-17	Pakistan	Pakistan 3	ERR2510498	S	R	S	S	S	R	R	S	S	S
CRYPAK152-17	Pakistan	Pakistan 4	ERR2510558	R	R	R	R	R	R	R	R	R	R
CRYPAK420-16	Pakistan	Pakistan 3	ERR2510524	R	R	R	R	R	R	R	R	R	R
CRYPAK282-17	Pakistan	Pakistan 3	ERR2510601	R	S	S	S	R	R	R	R	R	U
CRYPAK295-17	Pakistan	Pakistan 3	ERR2510296	R	R	R	S	R	R	R	R	R	S
CRYPAK512-16	Pakistan	Pakistan 3	ERR2510251	R	R	R	R	R	R	R	R	R	S
CRYPAK240-17	Pakistan	Pakistan 3	ERR2510651	R	R	S	S	R	R	R	R	R	S
CRYPAK449-17	Pakistan	Pakistan 3	ERR2510542	R	R	S	S	S	R	R	R	R	S
CRYPAK262-17	Pakistan	Pakistan 3	ERR2510288	S	S	n/a	S	S	S	S	S	S	S
CRYPAK398-16	Pakistan	Pakistan 3	ERR2510431	R	R	S	S	R	R	R	R	R	S
CRYPAK169-17	Pakistan	Pakistan 3	ERR2510619	R	R	S	S	R	R	F	S	S	S
CRYPAK78-17	Pakistan	Pakistan 3	ERR2510600	R	R	R	R	S	R	R	R	R	S
CRYPAK267-17	Pakistan	Pakistan 3	ERR2510526	R	R	R	R	S	R	R	R	R	S
CRYPAK137-17	Pakistan	Pakistan 3	ERR2510319	S	S	S	S	S	S	S	S	S	S
CRYPAK417-16	Pakistan	Pakistan 3	ERR2510307	R	R	S	S	R	R	R	R	R	S
CRYPAK418-16	Pakistan	Pakistan 2	ERR2510528	R	R	S	S	R	R	R	R	U	S
CRYPAK548-16	Pakistan	Pakistan 4	ERR2510527	R	R	R	R	R	R	R	R	R	U
CRYPAK198-17	Pakistan	Pakistan 3	ERR2510532	R	R	R	S	R	R	R	F	F	F
CRYPAK558-16	Pakistan	Pakistan 3	ERR2510648	R	R	R	R	S	F	R	U	S	S
CRYPAK112-17	Pakistan	Pakistan 4	ERR2510599	R	R	R	R	R	R	R	R	R	R
CRYPAK209-17	Pakistan	Pakistan 3	ERR2510442	R	R	R	R	R	R	R	R	R	S
CRYPAK80-17	Pakistan	Pakistan 3	ERR2510639	R	R	S	S	U	R	R	U	S	S
CRYPAK121-17	Pakistan	Pakistan 2	ERR2510871	R	R	R	R	R	R	R	R	R	R
CRYPAK254-17	Pakistan	Pakistan 1	ERR2510593	R	R	R	R	R	R	R	F	R	R
CRYPAK221-17	Pakistan	Pakistan 3	ERR2510263	S	S	S	S	S	S	S	S	S	S
321-16	Pakistan	Pakistan 3	ERR2510644	R	R	R	R	R	R	R	R	R	U
CRYPAK45-17	Pakistan	Pakistan 3	ERR2510343	R	R	S	S	R	R	R	R	R	S
CRYPAK446-17	Pakistan	Pakistan 3	ERR2510256	R	R	R	R	S	R	R	R	R	S
CRYPAK416-16	Pakistan	Pakistan 4	ERR2510514	R	R	R	S	R	R	R	R	R	S
CRYPAK322-17	Pakistan	Pakistan 3	ERR2510292	R	R	R	R	R	R	R	R	R	R
CRYPAK480-16	Pakistan	Pakistan 4	ERR2510378	R	R	R	R	S	R	R	R	R	S

CRYPAK278-17	Pakistan	3	ERR2510566	S	S	S	S	S	S	S	S	S
CRYPAK494-16	Pakistan	3	ERR2510464	R	R	R	R	R	R	R	R	R
CRYPAK244-17	Pakistan	4	ERR2510299	R	R	R	R	R	R	R	R	R
CRYPAK189-17	Pakistan	3	ERR2510268	S	S	S	n/a	S	S	S	S	S
CRYPAK216-17	Pakistan	3	ERR2510647	R	R	S	R	R	R	U	R	R
CRYPAK95-17	Pakistan	3	ERR2510549	R	R	R	S	R	R	R	R	S
CRYPAK200-17	Pakistan	3	ERR2510642	R	R	R	n/a	R	R	R	R	R
CRYPAK466-16	Pakistan	3	ERR2510546	R	R	S	R	R	R	R	R	R
CRYPAK73-17	Pakistan	3	ERR2510483	R	R	R	S	R	R	U	S	S
CRYPAK359-16	Pakistan	3	ERR2510388	R	R	R	R	R	R	R	R	R
CRYPAK219-17	Pakistan	3	ERR2510650	R	R	S	S	R	R	R	S	S
CRYPAK493-16	Pakistan	3	ERR2510463	R	R	S	S	R	R	S	S	S
CRYPAK471-16	Pakistan	3	ERR2510572	R	R	R	R	R	R	R	R	R
CRYPAK550-16	Pakistan	3	ERR2510573	R	R	R	S	R	R	R	R	R
CRYPAK361-16	Pakistan	3	ERR2510390	R	R	R	S	R	R	R	R	S
CRYPAK113-17	Pakistan	4	ERR2510598	R	R	R	S	R	R	F	S	S
CRYPAK71-17	Pakistan	3	ERR2510485	R	R	S	S	R	R	R	S	S
CRYPAK506-16	Pakistan	2	ERR2510535	R	R	R	R	R	U	R	R	F
315-16	Pakistan	3	ERR2510326	R	R	R	S	R	R	R	R	S
CRYPAK491-16	Pakistan	3	ERR2510458	R	R	R	R	U	R	R	R	F
CRYPAK141-17	Pakistan	3	ERR2510624	R	R	R	R	R	R	R	R	R
CRYPAK328-17	Pakistan	3	ERR2510345	S	S	S	n/a	S	S	S	S	S
CRYPAK191-17	Pakistan	3	ERR2510346	S	S	S	S	S	S	S	S	S
CRYPAK423-16	Pakistan	3	ERR2510435	R	R	S	S	R	R	R	S	S
CRYPAK237-17	Pakistan	3	ERR2510530	R	R	R	S	S	R	R	S	R
CRYPAK109-17	Pakistan	3	ERR2510564	R	R	R	S	R	R	R	R	S
CRYPAK395-16	Pakistan	3	ERR2510428	R	R	R	S	R	R	S	S	S
333-16	Pakistan	3	ERR2510405	R	R	R	R	R	R	R	R	R
CRYPAK76-17	Pakistan	3	ERR2510581	R	R	R	S	R	R	R	R	R
CRYPAK500-16	Pakistan	3	ERR2510474	R	R	R	S	R	R	R	R	R
CRYPAK293-17	Pakistan	3	ERR2510555	S	S	S	S	S	S	S	S	S
CRYPAK153-17	Pakistan	4	ERR2510322	S	S	S	S	U	S	S	S	S
CRYPAK171-17	Pakistan	3	ERR2510304	R	R	R	S	R	R	R	S	S
CRYPAK104-17	Pakistan	3	ERR2510271	R	R	R	R	R	R	R	R	R
CRYPAK393-16	Pakistan	4	ERR2510421	R	R	R	R	R	R	R	R	R
CRYPAK211-17	Pakistan	3	ERR2510638	R	R	R	S	F	R	F	S	S
CRYPAK339-16	Pakistan	3	ERR2510342	R	R	R	R	F	F	F	F	F
CRYPAK270-17	Pakistan	3	ERR2510344	S	S	S	S	S	S	S	S	S
CRYPAK187-17	Pakistan	3	ERR2510634	R	R	S	S	R	R	R	S	S
CRYPAK190-17	Pakistan	3	ERR2510328	S	S	S	S	S	S	S	S	S
CRYPAK384-16	Pakistan	3	ERR2510399	R	R	R	R	R	R	R	R	R
CRYPAK315-17	Pakistan	3	ERR2510281	S	S	S	S	U	S	S	S	S
CRYPAK389-16	Pakistan	4	ERR2510414	R	R	S	R	R	R	R	R	R
CRYPAK210-17	Pakistan	3	ERR2510699	R	R	R	n/a	R	R	R	R	S
CRYPAK400-16	Pakistan	3	ERR2510861	R	R	R	S	R	R	R	R	U
CRYPAK444-16	Pakistan	3	ERR2510473	R	R	R	S	R	R	F	S	S
CRYPAK562-16	Pakistan	3	ERR2510583	R	R	R	S	R	R	R	R	S
CRYPAK385-16	Pakistan	4 (Tur)	ERR2510400	R	R	R	R	R	R	R	S	S
CRYPAK324-17	Pakistan	3	ERR2510559	R	R	S	S	R	R	S	S	S
CRYPAK106-17	Pakistan	1	ERR2510605	R	R	R	R	R	R	R	R	U
CRYPAK263-17	Pakistan	3	ERR2510461	R	R	R	R	R	R	R	R	R
CRYPAK82-17	Pakistan	3	ERR2510589	R	R	S	S	R	R	U	S	S
CRYPAK443-16	Pakistan	3	ERR2510479	R	R	R	S	R	R	R	R	S
CRYPAK111-17	Pakistan	3	ERR2510436	R	R	S	S	R	R	R	R	S
CRYPAK343-16	Pakistan	3	ERR2510353	R	R	S	S	S	R	R	S	S
CRYPAK120-17	Pakistan	3	ERR2510565	R	R	R	R	R	R	R	R	R
CRYPAK436-16	Pakistan	3	ERR2510471	R	R	S	R	S	R	F	R	R
CRYPAK556-16	Pakistan	3	ERR2510604	R	R	R	R	R	R	R	R	R
CRYPAK255-17	Pakistan	4	ERR2510330	S	S	S	S	S	S	S	S	S
CRYPAK214-17	Pakistan	3	ERR2510477	R	R	R	S	R	R	U	S	S
CRYPAK247-17	Pakistan	3	ERR2510262	R	S	S	S	S	S	S	S	S
CRYPAK346-16	Pakistan	4	ERR2510879	R	R	R	R	R	R	R	R	R
CRYPAK264-17	Pakistan	3	ERR2510310	R	R	R	S	U	R	R	S	S
CRYPAK261-17	Pakistan	3	ERR2510286	R	R	R	S	R	F	S	S	S
CRYPAK207-17	Pakistan	3	ERR2510287	S	S	S	S	S	S	S	S	S
CRYPAK552-16	Pakistan	1	ERR2510557	R	R	R	R	R	R	R	R	R
CRYPAK430-16	Pakistan	1	ERR2510548	R	R	R	S	S	F	R	S	S
CRYPAK447-16	Pakistan	3	ERR2510499	R	R	R	S	R	R	R	R	S
CRYPAK450-16	Pakistan	3	ERR2510455	R	R	R	S	R	R	R	R	S
CRYPAK499-16	Pakistan	3	ERR2510472	R	R	R	S	R	R	R	R	R
CRYPAK498-16	Pakistan	3	ERR2510469	R	R	S	S	R	R	S	S	U
CRYPAK511-16	Pakistan	3	ERR2510250	R	R	S	S	R	R	R	R	S
CRYPAK52-17	Pakistan	3	ERR2510506	R	R	S	R	R	R	R	U	R
CRYPAK510-16	Pakistan	1	ERR2510548	R	R	R	S	R	R	R	R	S
CRYPAK488-16	Pakistan	3	ERR2510249	R	R	R	S	R	R	R	R	S
CRYPAK291-17	Pakistan	4 (Tur)	ERR2510419	R	R	R	R	R	R	R	F	F
CRY382-16	Pakistan	3	ERR2510529	R	R	R	R	R	R	R	R	U
CRYPAK288-17	Pakistan	3	ERR2510395	R	R	R	S	R	R	R	R	R
CRYPAK388-16	Pakistan	3	ERR2510625	R	R	R	S	U	R	F	S	S
CRY380-16	Pakistan	3	ERR2510412	R	R	S	S	R	R	U	S	S
CRYPAK63-17	Pakistan	3	ERR2510393	R	R	R	R	R	R	R	R	F
CRYPAK387-16	Pakistan	3	ERR2510538	R	R	R	R	R	R	R	U	U
CRYPAK358-16	Pakistan	3	ERR2510403	R	R	R	R	R	R	R	R	R
CRYPAK242-17	Pakistan	4	ERR2510387	R	R	R	R	R	R	R	R	R
CRYPAK284-17	Pakistan	3	ERR2510494	S	R	S	S	S	R	S	S	S
CRYPAK343-17	Pakistan	3	ERR2510380	S	S	S	S	S	S	S	S	S
CRYPAK505-16	Pakistan	2	ERR2510534	S	S	S	n/a	S	S	S	S	S
CRYPAK454-16	Pakistan	3	ERR2510450	R	R	R	S	R	R	R	R	U
CRYPAK481-16	Pakistan	4	ERR2510397	R	R	S	S	R	R	R	R	R
316-16	Pakistan	4	ERR2510873	R	R	R	R	R	R	R	R	R
CRYPAK50-17	Pakistan	3	ERR2510612	R	R	S	S	R	R	S	S	S
CRYPAK305-17	Pakistan	3	ERR2510337	S	S	S	S	S	S	S	S	S
CRYPAK233-17	Pakistan	3	ERR2510627	R	R	S	R	F	R	U	R	
CRYPAK301-17	Pakistan	1	ERR2510255	S	S	S	S	S	S	U	S	
CRYPAK541-16	Pakistan	3	ERR2510257	R	R	R	S	R	R	R	S	S
CRYPAK483-16	Pakistan	4	ERR2510406	R	R	S	S	R	R	R	R	R
325-16	Pakistan	3	ERR2510357	R	R	R	S	R	R	R	R	S
CRYPAK126-17	Pakistan	4	ERR2510492	R	R	R	R	R	R	R	R	R
CRYPAK336-17	Pakistan	4	ERR2510301	R	R	R	R	R	R	R	R	R
CRYPAK357-16	Pakistan	3	ERR2510386	R	R	S	S	R	R	S	S	S
CRYPAK201-17	Pakistan	4	ERR2510641	R	R	R	R	R	R	R	R	R
CRYPAK350-16	Pakistan	3	ERR2510369	R	R	R	S	R	R	R	R	R
CRYPAK245-17	Pakistan	3	ERR2510317	R	R	R	R	R	R	R	R	F
CRYPAK164-17	Pakistan	4	ERR2510552	R	R	R	R	R	R	R	U	R
CRYPAK230-17	Pakistan	3	ERR2510308	S	S	S	S	S	S	S	S	S
CRYPAK296-17	Pakistan	4	ERR2510636	R	R	R	S	R	R	R	R	S
331-16	Pakistan	4	ERR2510398	R	R	R	R	R	R	R	R	R
320-16	Pakistan	3	ERR2510341	R	R	R	R	R	R	R	R	R
330-16	Pakistan	4	ERR2510384	R	R	S	R	R	R	R	R	R
CRYPAK478-16	Pakistan	3	ERR2510445	R	R	R	S	R	F	F	F	F
319-16	Pakistan	4	ERR2510340	R	R	S	R	F	F	F	F	F
CRYPAK314-17	Pakistan	4 (Cameroon)	ERR2510290	R	R	S	S	R	R	R	R	S
327-16	Pakistan	3	ERR2510364	R	R	S	S	R	R	R	R	S
CRYPAK127-17	Pakistan	3	ERR2510594	R	R	S	S	R	R	R	R	S
CRYPAK60-17	Pakistan	3	ERR2510481	R	R	S	S	R	R	S	S	S
CRYPAK99-17	Pakistan	2	ERR2510561	R	R	R	R	R	R	R	R	R
CRYPAK331-17	Pakistan	4	ERR2510574	R	R	R	S	R	R	R	R	S
CRYPAK330-17	Pakistan	2	ERR2510265	R	R	R	R	S	R	R	U	S
CRYPAK265-17	Pakistan	3	ERR2510622	R	R	R	S	R	R	R	R	R
CRYPAK206-17	Pakistan	3	ERR2510275	S	S	S	S	S	R	R	R	S
CRYPAK236-17	Pakistan	1	ERR2510313	R	R	R	S	R	R	R	R	S
CRYPAK102-17	Pakistan	3	ERR2510603	R	R	S	S	R	R	S	S	S

CRYPAK563-16	Pakistan	3	ERR2510577	R	R	R	S	R	R	R	R	S
CRYPAK51-17	Pakistan	3	ERR2510613	S	R	S	S	R	R	R	R	F
CRYPAK448-16	Pakistan	1	ERR2510512	R	R	S	R	R	R	R	R	R
CRYPAK421-16	Pakistan	3	ERR2510523	R	R	R	R	R	R	R	R	S
CRYPAK186-17	Pakistan	3	ERR2510273	S	S	S	S	S	S	S	S	S
CRYPAK48-17	Pakistan	3	ERR2510277	S	S	S	S	S	S	R	U	S
CRYPAK356-16	Pakistan	3	ERR2510383	R	R	R	n/a	R	R	R	R	S
CRYPAK37-17	Pakistan	3	ERR2510590	R	R	S	S	R	R	U	S	F
CRYPAK360-16	Pakistan	3	ERR2510389	R	R	R	R	R	R	R	R	S
CRYPAK317-17	Pakistan	1	ERR2510244	S	R	S	S	R	R	U	S	S
CRYPAK250-17	Pakistan	4 (Tur)	ERR2510306	R	R	R	S	R	R	R	R	F
CRYPAK85-17	Pakistan	4	ERR2510580	R	R	R	R	R	R	R	R	R
335-16	Pakistan	4	ERR2510413	R	R	R	R	R	R	R	R	R
CRYPAK147-17	Pakistan	3	ERR2510507	R	R	R	S	R	R	R	R	S
CRY342-16	Pakistan	4 (Tur)	ERR2510352	R	R	R	S	R	R	R	R	S
CRYPAK394-16	Pakistan	4	ERR2510427	R	R	R	R	R	R	R	R	R
CRYPAK208-17	Pakistan	3	ERR2510635	R	R	S	S	R	R	S	S	S
CRYPAK503-16	Pakistan	3	ERR2510480	R	R	R	R	R	F	R	R	R
CRYPAK327-17	Pakistan	3	ERR2510513	R	R	R	R	R	R	U	R	R
CRYPAK313-17	Pakistan	3	ERR2510367	S	S	S	S	S	S	S	S	S
CRYPAK308-17	Pakistan	3	ERR2510332	S	S	S	S	S	S	S	S	S
CRYPAK184-17	Pakistan	3	ERR2510646	R	R	R	S	S	U	R	R	F
CRYPAK551-16	Pakistan	3	ERR2510596	S	S	S	S	S	S	R	S	S
CRYPAK281-17	Pakistan	3	ERR2510615	S	R	R	R	S	U	R	R	S
CRYPAK246-17	Pakistan	1	ERR2510316	R	R	R	R	R	R	U	R	R
CRYPAK241-17	Pakistan	4	ERR2510269	S	S	S	S	S	S	S	S	S
CRYPAK349-16	Pakistan	1	ERR2510366	R	R	R	R	R	R	R	R	U
322-16	Pakistan	3	ERR2510350	R	R	R	R	R	R	R	R	R
CRYPAK266-17	Pakistan	3	ERR2510331	R	S	n/a	S	S	S	S	S	S
CRYPAK437-16	Pakistan	3	ERR2510468	S	S	S	S	S	R	S	S	S
CRYPAK192-17	Pakistan	3	ERR2510323	S	S	S	S	S	S	S	S	S
CRYPAK474-16	Pakistan	3	ERR2510289	R	R	R	R	R	R	R	R	R
CRYPAK490-16	Pakistan	3	ERR2510457	R	R	R	S	R	R	R	R	R
CRYPAK249-17	Pakistan	3	ERR2510318	R	R	S	R	R	R	S	R	R
CRYPAK77-17	Pakistan	3	ERR2510423	R	R	R	R	R	R	R	R	R
CRYPAK243-17	Pakistan	3	ERR2510300	R	R	R	R	R	R	R	R	R
CRYPAK124-17	Pakistan	3	ERR2510460	R	R	S	R	R	R	S	R	R
CRYPAK485-16	Pakistan	2	ERR2510408	R	R	R	R	R	R	R	R	R
CRYPAK504-16	Pakistan	4	ERR2510482	R	R	R	R	R	R	R	R	R
CRYPAK139-17	Pakistan	3	ERR2510470	R	R	S	S	F	R	R	S	S
336-16	Pakistan	1	ERR2510416	R	R	R	R	R	R	R	R	S
318-16	Pakistan	2	ERR2510336	R	R	R	R	R	R	R	R	R
CRYPAK64-17	Pakistan	4	ERR2510588	R	R	R	R	R	R	R	R	R
CRYPAK61-17	Pakistan	4 (Tur)	ERR2510373	R	R	R	S	R	R	R	R	U
CRYPAK440-16	Pakistan	3	ERR2510495	R	R	S	S	R	R	R	S	S
CRYPAK310-17	Pakistan	3	ERR2510283	R	S	n/a	S	R	R	U	R	S
CRYPAK93-17	Pakistan	3	ERR2510278	R	S	R	S	R	R	R	R	S
CRYPAK431-16	Pakistan	4	ERR2510344	R	R	R	R	R	R	R	R	R
CRYPAK325-17	Pakistan	3	ERR2510584	R	R	R	S	F	R	F	S	S
CRYPAK509-16	Pakistan	3	ERR2510243	R	R	S	R	R	R	R	R	S
CRYPAK425-16	Pakistan	4	ERR2510440	R	R	R	R	R	R	R	R	R
CRYPAK302-17	Pakistan	2	ERR2510293	R	R	R	R	R	R	R	R	R
CRYPAK43-17	Pakistan	3	ERR2510522	R	R	R	R	R	R	R	R	R
CRYPAK105-17	Pakistan	1	ERR2510553	R	R	R	R	R	R	R	R	R
CRYPAK544-16	Pakistan	3	ERR2510501	R	R	S	S	F	R	R	R	F
CRYPAK492-16	Pakistan	3	ERR2510462	R	R	S	S	R	R	S	S	S
CRYPAK543-16	Pakistan	3	ERR2510437	R	R	R	S	R	R	R	R	R
CRYPAK383-16	Pakistan	3	ERR2510396	R	R	S	S	R	R	R	R	S
CRYPAK457-16	Pakistan	3	ERR2510519	R	R	R	R	R	R	R	R	R
CRYPAK445-16	Pakistan	3	ERR2510502	R	R	S	R	R	R	U	R	R
CRYPAK148-17	Pakistan	3	ERR2510487	R	R	R	R	R	R	U	R	R
CRYPAK342-17	Pakistan	3	ERR2510314	S	S	S	n/a	S	S	S	S	S
CRYPAK280-17	Pakistan	3	ERR2510537	S	S	S	S	S	S	S	S	S
CRYPAK318-17	Pakistan	3	ERR2510447	R	S	S	S	R	R	S	S	S
CRYPAK143-17	Pakistan	3	ERR2510567	R	R	S	S	R	R	S	S	S
CRYPAK57-17	Pakistan	1	ERR2510700	R	R	n/a	S	R	R	R	S	S
CRYPAK311-17	Pakistan	3	ERR2510267	S	S	S	S	S	S	S	S	S
CRYPAK193-17	Pakistan	3	ERR2510348	S	S	S	S	S	S	S	S	S
CRYPAK228-17	Pakistan	4 (Cameroon)	ERR2510320	S	S	S	S	S	S	S	S	S
CRYPAK332-17	Pakistan	3	ERR2510525	R	R	R	S	R	R	S	S	S
CRYPAK458-16	Pakistan	4	ERR2510493	R	R	R	R	R	R	U	R	R
CRYPAK502-16	Pakistan	3	ERR2510476	R	R	R	R	R	R	R	R	F
CRYPAK286-17	Pakistan	4 (Tur)	ERR2510616	R	R	S	R	R	R	R	R	F
CRYPAK484-16	Pakistan	3	ERR2510407	R	R	R	S	R	R	R	R	S
CRYPAK54-17	Pakistan	3	ERR2510614	R	R	S	R	R	R	R	R	R
CRYPAK414-16	Pakistan	3	ERR2510521	R	R	S	R	R	R	U	R	R
CRYPAK456-16	Pakistan	4 (Tur)	ERR2510520	R	R	R	R	R	R	R	R	R
CRYPAK162-17	Pakistan	3	ERR2510883	R	R	S	R	R	R	R	R	R
CRY345-16	Pakistan	2	ERR2510358	R	R	R	R	R	R	R	R	R
CRYPAK202-17	Pakistan	3	ERR2510259	S	S	S	S	S	S	S	S	S
CRYPAK229-17	Pakistan	3	ERR2510359	S	S	S	S	S	S	S	S	S
CRYPAK145-17	Pakistan	3	ERR2510697	R	R	S	S	R	R	U	S	S
CRYPAK218-17	Pakistan	3	ERR2510631	R	R	R	S	R	R	R	R	S
CRYPAK486-16	Pakistan	3	ERR2510409	R	R	S	S	R	R	S	S	S
CRYPAK226-17	Pakistan	3	ERR2510325	S	S	S	S	S	S	S	S	S
CRYPAK290-17	Pakistan	3	ERR2510295	R	R	S	R	R	F	R	F	F
CRYPAK334-17	Pakistan	3	ERR2510497	R	R	S	R	R	R	R	S	S
CRYPAK482-16	Pakistan	3	ERR2510404	R	R	R	S	R	R	R	R	S
CRYPAK557-16	Pakistan	3	ERR2510602	R	S	S	S	R	R	U	S	S
CRYPAK298-17	Pakistan	3	ERR2510371	S	S	S	S	S	S	S	S	S
CRYPAK426-16	Pakistan	3	ERR2510441	R	R	R	R	R	R	U	R	R
CRYPAK144-17	Pakistan	3	ERR2510608	R	R	R	S	R	R	R	R	S
CRYPAK108-17	Pakistan	1	ERR2510266	R	R	S	S	R	R	R	R	R
CRYPAK303-17	Pakistan	2	ERR2510303	R	R	S	S	R	R	F	S	S
CRYPAK151-17	Pakistan	3	ERR2510246	R	R	R	R	R	R	R	R	R
323-16	Pakistan	3	ERR2510354	R	R	R	S	R	R	U	S	S
CRYPAK442-16	Pakistan	3	ERR2510484	R	R	R	S	R	R	R	R	S
CRYPAK149-17	Pakistan	3	ERR2510274	R	R	S	S	R	R	F	S	S
CRYPAK497-16	Pakistan	3	ERR2510467	R	R	R	S	R	R	R	R	U
CRYPAK329-17	Pakistan	3	ERR2510575	R	R	S	S	R	R	R	R	S
CRYPAK392-16	Pakistan	3	ERR2510418	R	R	R	R	R	R	R	S	U
CRYPAK469-16	Pakistan	3	ERR2510611	R	R	R	R	R	R	U	R	R
CRYPAK355-16	Pakistan	3	ERR2510382	S	S	S	S	S	S	S	S	S
CRYPAK272-17	Pakistan	3	ERR2510375	S	S	S	S	S	S	S	S	S
CRYPAK455-16	Pakistan	3	ERR2510424	R	R	R	S	R	R	R	F	F
CRYPAK129-17	Pakistan	2	ERR2510870	R	R	R	R	R	R	R	R	R
CRYPAK472-16	Pakistan	3	ERR2510270	R	R	S	n/a	R	R	R	R	U
CRYPAK59-17	Pakistan	3	ERR2510568	R	R	R	S	R	R	R	R	R
CRYPAK397-16	Pakistan	3	ERR2510430	R	R	S	S	R	F	S	S	S
CRYPAK75-17	Pakistan	3	ERR2510486	R	R	R	S	R	R	R	R	S
CRYPAK559-16	Pakistan	1	ERR2510554	R	R	S	R	R	R	R	R	R
CRYPAK321-17	Pakistan	3	ERR2510637	R	R	S	n/a	R	R	R	R	R
CRYPAK351-16	Pakistan	3	ERR2510376	R	R	R	S	F	F	F	F	F
CRYPAK347-16	Pakistan	3	ERR2510363	R	R	R	S	R	R	S	S	S
CRYPAK501-16	Pakistan	3	ERR2510475	R	R	S	S	S	R	U	S	S
CRYPAK297-17	Pakistan	3	ERR2510626	R	R	S	S	R	R	U	R	S
CRYPAK58-17	Pakistan	3	ERR2510382	S	S	S	S	S	S	S	S	S
CRYPAK445-16	Pakistan	3	ERR2510375	S	S	S	S	S	S	S	S	S
CRYPAK49-17	Pakistan	3	ERR2510274	R	R	S	S	R	R	R	F	F
CRYPAK329-17	Pakistan	3	ERR2510575	R	R	R	S	R	R	R	R	U
CRYPAK472-16	Pakistan	3	ERR2510270	R	R	S	n/a	R	R	R	R	U
CRYPAK59-17	Pakistan	3	ERR2510568	R	R	R	S	R	R	R	R	R
CRYPAK397-16	Pakistan	3	ERR2510430	R	R	S	S	R	F	S	S	S
CRYPAK75-17	Pakistan	3	ERR25104									

CRYPAK123-17	Pakistan	Pakistan	3	ERR2510542	R	R	R	S	R	R	R	F
CRYPAK540-16	Pakistan	Pakistan	4	ERR2510253	S	R	S	S	S	R	R	S
CRY391-16	Pakistan	Pakistan	3	ERR2510415	R	R	R	S	R	R	R	S
CRYPAK174-17	Pakistan	Pakistan	3	ERR2510860	R	R	R	S	R	R	R	U
CRYPAK220-17	Pakistan	Pakistan	3	ERR2510633	R	R	R	S	R	R	R	
CRYPAK354-16	Pakistan	Pakistan	3	ERR2510381	R	R	R	S	R	R	U	S
CRYPAK477-16	Pakistan	Pakistan	3	ERR2510422	R	R	R	S	R	R	R	R
CRYPAK177-17	Pakistan	Pakistan	4	ERR2510543	R	R	R	S	R	R	R	S
CRYPAK268-17	Pakistan	Pakistan	3	ERR2510333	S	S	S	S	S	S	S	S
CRYPAK215-17	Pakistan	Pakistan	3	ERR2510227	S	S	S	n/a	S	S	S	S
CRYPAK36-17	Pakistan	Pakistan	3	ERR2510280	R	R	R	S	R	R	R	R
CRYPAK443-16	Pakistan	Pakistan	3	ERR2510508	R	R	R	S	R	S	R	S
CRYPAK487-16	Pakistan	Pakistan	3	ERR2510410	R	R	R	S	R	F	S	S
CRYPAK115-17	Pakistan	Pakistan	3	ERR2510547	R	R	R	S	R	R	F	
CRYPAK116-17	Pakistan	Pakistan	3	ERR2510570	R	R	S	R	R	R	R	R
CRYPAK338-16	Pakistan	Pakistan	1	ERR2510338	R	R	R	R	R	R	R	R
CRYPAK88-17	Pakistan	Pakistan	3	ERR2510569	R	R	R	S	U	R	R	S
CRYPAK179-17	Pakistan	Pakistan	4	ERR2510698	R	R	R	R	R	R	R	R
CRYPAK257-17	Pakistan	Pakistan	1	ERR2510649	R	R	R	R	R	R	R	R
CRYPAK379-16	Pakistan	Pakistan	4	ERR2510392	R	R	R	R	R	R	R	R
CRYPAK415-16	Pakistan	Pakistan	3	ERR2510515	R	R	R	S	R	R	R	S
CRYPAK72-17	Pakistan	Pakistan	3	ERR2510582	R	R	R	S	R	R	R	R
CRYPAK180-17	Pakistan	Pakistan	3	ERR2510374	R	S	n/a	S	R	S	S	S
CRYPAK256-17	Pakistan	Pakistan	4	ERR2510444	S	S	S	S	S	S	S	S
CRYPAK460-16	Pakistan	Pakistan	3	ERR2510478	R	R	R	R	R	F	F	F
CRYPAK428-16	Pakistan	Pakistan	3	ERR2510451	R	R	R	S	U	R	R	R
CRYPAK279-17	Pakistan	Pakistan	3	ERR2510446	R	S	S	S	U	S	S	S
CRYPAK546-16	Pakistan	Pakistan	3	ERR2510517	R	R	R	R	R	R	U	R
CRYPAK553-16	Pakistan	Pakistan	3	ERR2510606	R	R	R	R	R	R	R	F
CRYPAK252-17	Pakistan	Pakistan	3	ERR2510309	R	R	R	S	R	R	R	S
CRYPAK224-17	Pakistan	Pakistan	4	ERR2510643	R	R	R	S	R	R	R	R
CRYPAK307-17	Pakistan	Pakistan	3	ERR2510544	R	R	R	S	R	R	R	S
CRYPAK547-16	Pakistan	Pakistan	3	ERR2510518	R	R	S	S	U	R	F	S
CRYPAK475-16	Pakistan	Pakistan	4	ERR2510315	R	R	R	S	R	R	R	R
CRYPAK287-17	Pakistan	Pakistan	3	ERR2510335	S	S	S	S	S	S	S	S
CRYPAK304-17	Pakistan	4 (Cameroon)	ERR2510362	S	S	S	S	S	S	U	S	S
CRYPAK217-17	Pakistan	Pakistan	3	ERR2510640	R	R	R	S	R	R	R	R
CRYPAK74-17	Pakistan	Pakistan	3	ERR2510425	R	R	S	R	R	R	R	R
CRYPAK98-17	Pakistan	Pakistan	3	ERR2510541	R	R	R	S	R	R	S	S
CRYPAK235-17	Pakistan	Pakistan	2	ERR2510305	R	R	R	R	R	R	R	R
CRYPAK125-17	Pakistan	4 (Cameroon)	ERR2510489	R	R	R	R	R	S	R	S	F
CRYPAK276-17	Pakistan	Pakistan	2	ERR2510539	R	R	R	S	R	R	R	S
CRYPAK118-17	Pakistan	4 (Tur)	ERR2510579	R	R	R	R	R	R	R	R	S
CRYPAK545-16	Pakistan	Pakistan	3	ERR2510516	R	R	S	S	S	R	R	S
CRYPAK62-17	Pakistan	Pakistan	3	ERR2510503	R	R	S	R	R	R	R	F
CRYPAK424-16	Pakistan	Pakistan	3	ERR2510438	R	R	R	S	R	R	R	R
CRYPAK496-16	Pakistan	Pakistan	3	ERR2510466	R	R	R	R	U	R	R	R
CRYPAK213-17	Pakistan	Pakistan	3	ERR2510284	R	R	R	R	R	R	U	R
334-16	Pakistan	Pakistan	4	ERR2510411	R	R	R	R	R	R	R	R
CRYPAK300-17	Pakistan	Pakistan	3	ERR2510302	R	R	S	S	R	R	S	S
CRYPAK136-17	Pakistan	Pakistan	3	ERR2510511	R	R	R	S	R	R	R	S
CRYPAK294-17	Pakistan	Pakistan	4	ERR2510291	R	R	S	S	R	R	R	S
CRYPAKS08-16	Pakistan	Pakistan	3	ERR2510368	R	R	R	S	R	R	R	R
CRYPAK381-16	Pakistan	Pakistan	2	ERR2510394	R	R	R	S	R	R	R	S
CRYPAK122-17	Pakistan	Pakistan	3	ERR2510591	R	R	R	S	R	R	R	S
CRYPAK274-17	Pakistan	Pakistan	3	ERR2510298	R	R	S	S	R	R	R	S
CRYPAK292-17	Pakistan	Pakistan	3	ERR2510621	R	R	S	S	R	R	S	S
CRYPAK446-16	Pakistan	Pakistan	3	ERR2510500	R	R	R	S	R	R	R	S
CRYPAK289-17	Pakistan	Pakistan	3	ERR2510339	S	S	S	S	S	S	S	S
CRYPAK316-17	Pakistan	Pakistan	3	ERR2510652	S	S	S	S	S	S	S	S
CRYPAK188-17	Pakistan	Pakistan	3	ERR2510258	S	S	S	S	S	S	S	S
CRYPAK167-17	Pakistan	Pakistan	3	ERR2510550	R	R	R	S	R	R	R	S
CRYPAK306-17	Pakistan	Pakistan	3	ERR2510562	R	R	S	S	S	R	S	S
CRYPAK97-17	Pakistan	Pakistan	3	ERR2510556	R	R	S	S	R	R	R	S
CRYPAK432-16	Pakistan	Pakistan	3	ERR2510433	R	R	S	R	R	U	R	R
337-16	Pakistan	Pakistan	3	ERR2510417	R	R	S	S	R	R	S	S
CRYPAK386-16	Pakistan	Pakistan	3	ERR2510401	R	R	S	S	R	R	R	S
CRYPAK467-16	Pakistan	Pakistan	4 (Haarlem)	ERR2510420	R	R	n/a	S	R	R	R	S
CRYPAK453-16	Pakistan	Pakistan	3	ERR2510533	R	R	S	S	R	R	S	S
CRYPAK103-17	Pakistan	Pakistan	3	ERR2510426	R	R	R	S	R	R	S	R
CRYPAK341-16	Pakistan	Pakistan	3	ERR2510351	R	R	S	R	R	S	R	S
CRYPAK441-16	Pakistan	Pakistan	3	ERR2510490	R	R	R	S	R	R	U	S
CRYPAK53-17	Pakistan	Pakistan	3	ERR2510496	R	R	n/a	R	R	R	R	U
CRYPAK251-17	Pakistan	Pakistan	3	ERR2510379	S	S	S	S	S	S	S	S
CRYPAK335-17	Pakistan	Pakistan	3	ERR2510372	S	S	S	S	R	S	S	S
CRYPAK248-17	Pakistan	Pakistan	3	ERR2510618	R	R	R	S	R	R	R	S
CRYPAK507-16	Pakistan	Pakistan	3	ERR2510536	R	R	R	S	R	R	F	S
CRYPAK140-17	Pakistan	Pakistan	3	ERR2510620	R	R	R	S	R	R	R	S
CRYPAK275-17	Pakistan	Pakistan	3	ERR2510334	S	S	S	S	S	S	S	S
CRYPAK259-17	Pakistan	Pakistan	4	ERR2510617	R	R	R	S	R	R	S	S
CRYPAK340-16	Pakistan	Pakistan	3	ERR2510347	R	R	S	S	R	R	U	S
328-16	Pakistan	Pakistan	3	ERR2510365	R	R	R	R	R	R	R	R
CRYPAK176-17	Pakistan	Pakistan	4	ERR2510312	R	R	R	R	R	R	R	R
CRYPAK269-17	Pakistan	Pakistan	3	ERR2510531	R	R	S	S	R	R	U	S
CRYPAK427-16	Pakistan	Pakistan	3	ERR2510449	R	R	S	R	R	R	R	R
CRYPAK260-17	Pakistan	Pakistan	3	ERR2510620	R	R	R	S	R	R	R	U
CRYPAK333-17	Pakistan	Pakistan	3	ERR2510504	R	R	R	S	R	R	R	S
CRYPAK223-17	Pakistan	Pakistan	3	ERR2510645	R	R	S	S	R	R	R	S
CRYPAK114-17	Pakistan	Pakistan	3	ERR2510560	R	R	R	R	R	R	R	R
CRYPAK100-17	Pakistan	Pakistan	3	ERR2510551	R	R	R	R	R	R	R	R
314-16	Pakistan	Pakistan	3	ERR2510324	R	R	R	R	U	R	F	R
CRYPAK90-17	Pakistan	4 (Cameroon)	ERR2510595	R	R	S	S	R	R	R	S	S
324-16	Pakistan	Pakistan	3	ERR2510356	R	R	R	S	R	S	R	S
CRYPAK495-16	Pakistan	Pakistan	3	ERR2510465	R	R	R	S	R	R	R	S
CRYPAK459-16	Pakistan	Pakistan	3	ERR2510491	R	R	S	R	R	R	R	R
326-16	Pakistan	Pakistan	2	ERR2510361	R	R	R	R	R	R	R	R
CRYPAK205-17	Pakistan	Pakistan	3	ERR2510349	R	S	S	S	R	S	S	S
CRYPAK283-17	Pakistan	Pakistan	3	ERR2510261	S	S	S	S	S	S	S	S
CRYPAK312-17	Pakistan	Pakistan	3	ERR2510297	R	R	R	R	R	R	R	R
CRYPAK68-17	Pakistan	Pakistan	3	ERR2510245	R	R	R	S	R	R	R	F
CRYPAK84-17	Pakistan	Pakistan	3	ERR2510609	R	R	S	S	U	R	R	S
CRYPAK401-16	Pakistan	Pakistan	4 (Haarlem)	ERR2510509	R	R	R	R	R	R	R	R
CRYPAK344-16	Pakistan	Pakistan	2	ERR2510355	R	R	R	S	R	R	R	S
CRYPAK119-17	Pakistan	Pakistan	3	ERR2510282	R	R	R	R	R	R	R	F
CRYPAK285-17	Pakistan	Pakistan	3	ERR2510623	R	R	R	R	R	R	U	F
CRYPAK476-16	Pakistan	Pakistan	2	ERR2510321	R	R	R	R	R	R	R	R
CRYPAK449-16	Pakistan	Pakistan	3	ERR2510456	R	R	n/a	R	R	R	F	F
CRYPAK101-17	Pakistan	Pakistan	3	ERR2510272	R	R	R	S	R	R	R	U
CRYPAK271-17	Pakistan	Pakistan	3	ERR2510629	R	R	S	S	R	R	S	S
CRYPAK92-17	Pakistan	Pakistan	3	ERR2510607	R	R	R	R	R	R	R	R
CRYPAK238-17	Pakistan	Pakistan	3	ERR2510264	R	R	S	n/a	R	R	F	S
CRYPAK163-17	Pakistan	Pakistan	3	ERR2510488	R	R	R	S	R	R	R	S
CRYPAK341-17	Pakistan	Pakistan	4 (Haarlem)	ERR2510432	R	R	R	n/a	R	R	R	S
14893_2_49	Peru via LSHTM, UK	Peru via LSHTM, UK	4	ERR2510328	S	R	n/a	n/a	S	R	R	S
14722_6_94	Peru via LSHTM, UK	Peru via LSHTM, UK	4 (Haarlem)	ERR2510129	R	R	n/a	n/a	R	R	R	R
14892_2_31	Peru via LSHTM, UK	Peru via LSHTM, UK	4 (LAM)	ERR2510130	R	S	n/a	n/a	R	R	R	S
14893_2_1	Peru via LSHTM, UK	Peru via LSHTM, UK	4 (LAM)	ERR2510131	R	S	n/a	n/a	R	S	S	S
14892_2_34	Peru via LSHTM, UK	Peru via LSHTM, UK	4 (LAM)	ERR2510332	R	R	n/a	n/a	R	R	S	S
14892_2_41	Peru via LSHTM, UK	Peru via LSHTM, UK	4 (Haarlem)	ERR2510333	R	R	n/a	n/a	R	R	R	R
14892_2_57	Peru via LSHTM, UK	Peru via LSHTM, UK	4 (Haarlem)	ERR2510134	R	S	n/a	n/a	R	R	S	S
14893_2_43	Peru via LSHTM, UK	Peru via LSHTM, UK										

15277_3_50	Peru via LSHTM, UK	Peru	4	ERR2510137	S	R	n/a	n/a	S	R	R	S
14722_6_33	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510138	R	R	n/a	n/a	R	R	S	S
14892_2_33	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510139	R	S	n/a	n/a	R	S	S	S
14893_2_61	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510140	R	R	n/a	n/a	R	R	S	S
14893_2_45	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510141	S	R	n/a	n/a	R	R	S	R
14892_2_10	Peru via LSHTM, UK	Peru	4 (Haarlem)	ERR2510142	R	S	n/a	n/a	R	S	S	S
14722_6_26	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510143	S	S	n/a	n/a	S	S	U	S
14893_2_20	Peru via LSHTM, UK	Peru	4 (X-type)	ERR2510144	R	S	n/a	n/a	R	S	S	S
14893_2_47	Peru via LSHTM, UK	Peru	4 (Haarlem)	ERR2510145	S	R	n/a	n/a	S	R	S	S
14892_2_5	Peru via LSHTM, UK	Peru	2	ERR2510146	R	R	n/a	n/a	R	R	S	S
14892_2_22	Peru via LSHTM, UK	Peru	4 (X-type)	ERR2510147	R	S	n/a	n/a	R	R	S	S
14893_2_9	Peru via LSHTM, UK	Peru	4	ERR2510148	R	R	n/a	n/a	R	R	R	S
14892_2_30	Peru via LSHTM, UK	Peru	4 (Haarlem)	ERR2510149	R	S	n/a	n/a	R	S	S	S
14893_2_18	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510150	S	R	n/a	n/a	F	F	S	F
14893_2_5	Peru via LSHTM, UK	Peru	1	ERR2510151	S	S	n/a	n/a	S	S	S	S
14893_2_65	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510152	R	S	n/a	n/a	R	S	S	S
14893_2_36	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510153	R	R	n/a	n/a	R	R	R	R
14892_2_9	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510154	R	R	n/a	n/a	R	R	S	S
14892_2_18	Peru via LSHTM, UK	Peru	4 (Haarlem)	ERR2510155	R	S	n/a	n/a	R	S	S	S
14892_2_36	Peru via LSHTM, UK	Peru	4 (Haarlem)	ERR2510156	R	S	n/a	n/a	R	U	S	S
14722_6_69	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510157	S	S	n/a	n/a	S	S	S	S
14892_2_44	Peru via LSHTM, UK	Peru	4 (X-type)	ERR2510158	S	S	n/a	n/a	S	S	S	S
14893_2_55	Peru via LSHTM, UK	Peru	2	ERR2510159	R	R	n/a	n/a	R	R	S	S
14893_2_63	Peru via LSHTM, UK	Peru	4 (Haarlem)	ERR2510160	R	R	n/a	n/a	R	R	U	S
14893_2_42	Peru via LSHTM, UK	Peru	4 (Haarlem)	ERR2510161	R	S	n/a	n/a	R	R	R	S
14722_7_80	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510162	R	S	n/a	n/a	R	S	S	S
14722_7_29	Peru via LSHTM, UK	Peru	4 (Haarlem)	ERR2510163	R	S	n/a	n/a	R	S	R	S
14893_2_14	Peru via LSHTM, UK	Peru	4 (Haarlem)	ERR2510164	R	R	n/a	n/a	S	S	S	S
14893_2_8	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510165	R	R	n/a	n/a	R	R	S	R
14722_6_84	Peru via LSHTM, UK	Peru	4	ERR2510166	R	S	n/a	n/a	R	S	S	S
14893_2_10	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510167	R	R	n/a	n/a	R	R	U	R
14893_2_21	Peru via LSHTM, UK	Peru	4	ERR2510168	R	R	n/a	n/a	R	R	R	R
14722_6_13	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510169	S	R	n/a	n/a	R	R	R	R
14893_2_50	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510170	R	R	n/a	n/a	R	R	R	R
15277_3_52	Peru via LSHTM, UK	Peru	4	ERR2510171	R	R	n/a	n/a	R	R	R	R
14893_2_23	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510172	S	R	n/a	n/a	R	R	S	R
14722_6_21	Peru via LSHTM, UK	Peru	4 (Haarlem)	ERR2510173	R	S	n/a	n/a	S	U	S	S
14892_2_1	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510174	R	R	n/a	n/a	R	R	R	R
14722_7_77	Peru via LSHTM, UK	Peru	4	ERR2510175	R	R	n/a	n/a	R	R	R	R
14893_2_57	Peru via LSHTM, UK	Peru	4 (Haarlem)	ERR2510176	S	S	n/a	n/a	S	S	S	S
14722_6_35	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510177	R	S	n/a	n/a	R	S	S	S
14893_2_60	Peru via LSHTM, UK	Peru	4 (Haarlem)	ERR2510178	S	S	n/a	n/a	S	S	S	S
14722_7_70	Peru via LSHTM, UK	Peru	4	ERR2510179	R	S	n/a	n/a	R	S	S	S
14892_2_60	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510180	R	S	n/a	n/a	R	S	S	S
14722_7_90	Peru via LSHTM, UK	Peru	4	ERR2510181	R	R	n/a	n/a	R	R	R	S
14722_6_59	Peru via LSHTM, UK	Peru	4	ERR2510182	S	R	n/a	n/a	R	R	R	S
14722_6_48	Peru via LSHTM, UK	Peru	M. caprae	ERR2510183	S	S	n/a	n/a	S	U	S	S
14892_2_59	Peru via LSHTM, UK	Peru	4	ERR2510184	S	R	n/a	n/a	R	R	R	S
14722_7_62	Peru via LSHTM, UK	Peru	2	ERR2510185	R	R	n/a	n/a	R	R	U	S
14722_6_49	Peru via LSHTM, UK	Peru	4 (S-type)	ERR2510186	S	S	n/a	n/a	S	S	S	S
14893_2_62	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510187	R	R	n/a	n/a	R	R	S	S
14892_2_50	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510188	R	R	n/a	n/a	R	R	R	S
14722_6_10	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510189	R	R	n/a	n/a	R	S	U	S
14893_2_54	Peru via LSHTM, UK	Peru	2	ERR2510190	R	R	n/a	n/a	R	R	S	R
14722_7_74	Peru via LSHTM, UK	Peru	4 (Haarlem)	ERR2510191	R	R	n/a	n/a	R	R	S	S
14892_2_42	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510192	R	S	n/a	n/a	R	S	S	S
14892_2_23	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510193	R	S	n/a	n/a	R	S	S	S
14892_2_58	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510194	R	R	n/a	n/a	R	R	R	U
14893_2_48	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510195	S	R	n/a	n/a	R	R	R	R
14893_2_59	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510196	R	R	n/a	n/a	R	R	R	R
15277_3_57	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510197	S	R	n/a	n/a	R	R	S	R
14892_2_7	Peru via LSHTM, UK	Peru	4 (Haarlem)	ERR2510198	R	S	n/a	n/a	R	S	S	S
14892_2_12	Peru via LSHTM, UK	Peru	2	ERR2510199	R	R	n/a	n/a	R	R	R	R
14722_6_19	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510200	R	S	n/a	n/a	R	S	S	S
14893_2_4	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510201	S	R	n/a	n/a	S	R	U	S
15277_3_53	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510202	R	R	n/a	n/a	R	R	R	R
14722_6_64	Peru via LSHTM, UK	Peru	4	ERR2510203	R	S	n/a	n/a	R	R	S	S
14722_6_18	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510204	R	S	n/a	n/a	R	S	S	S
14892_2_61	Peru via LSHTM, UK	Peru	4	ERR2510205	R	S	n/a	n/a	F	S	R	S
14722_6_22	Peru via LSHTM, UK	Peru	M. capra	ERR2510206	S	S	n/a	n/a	U	U	S	S
14893_2_53	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510207	R	S	n/a	n/a	R	S	S	S
14893_2_33	Peru via LSHTM, UK	Peru	4 (Haarlem)	ERR2510208	R	S	n/a	n/a	R	S	S	S
14722_7_88	Peru via LSHTM, UK	Peru	4 (Haarlem)	ERR2510209	R	S	n/a	n/a	R	S	S	S
14722_7_64	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510210	R	S	n/a	n/a	R	S	S	S
14722_6_40	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510211	R	R	n/a	n/a	R	R	U	S
14722_6_86	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510212	S	R	n/a	n/a	R	R	S	R
14722_7_61	Peru via LSHTM, UK	Peru	4 (X-type)	ERR2510213	R	S	n/a	n/a	R	S	S	S
14893_2_12	Peru via LSHTM, UK	Peru	4 (Haarlem)	ERR2510214	S	R	n/a	n/a	S	R	S	S
14892_2_43	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510215	R	R	n/a	n/a	R	R	R	R
14722_6_41	Peru via LSHTM, UK	Peru	2	ERR2510216	R	S	n/a	n/a	R	R	U	S
14893_2_58	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510217	R	R	n/a	n/a	R	R	R	R
14892_2_39	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510218	R	R	n/a	n/a	R	R	R	R
14893_2_6	Peru via LSHTM, UK	Peru	4 (Haarlem)	ERR2510219	R	R	n/a	n/a	R	R	R	R
14722_6_27	Peru via LSHTM, UK	Peru	2	ERR2510220	S	S	n/a	n/a	S	S	S	S
14893_2_64	Peru via LSHTM, UK	Peru	4 (Haarlem)	ERR2510221	R	R	n/a	n/a	S	U	S	S
14893_2_51	Peru via LSHTM, UK	Peru	4 (X-type)	ERR2510222	R	S	n/a	n/a	R	S	S	S
14892_2_37	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510223	R	S	n/a	n/a	R	R	R	R
14892_2_51	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510224	R	R	n/a	n/a	R	R	R	R
14893_2_56	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510225	R	R	n/a	n/a	R	R	R	U
14722_7_53	Peru via LSHTM, UK	Peru	4	ERR2510226	S	R	n/a	n/a	S	R	R	S
14892_2_2	Peru via LSHTM, UK	Peru	2	ERR2510227	R	S	n/a	n/a	R	S	S	S
14893_2_64	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510228	S	R	n/a	n/a	S	R	S	S
14893_2_41	Peru via LSHTM, UK	Peru	4 (Haarlem)	ERR2510229	S	S	n/a	n/a	S	S	S	S
14722_6_66	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510230	R	S	n/a	n/a	R	R	S	S
14893_2_52	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510231	S	R	n/a	n/a	R	R	S	S
14893_2_66	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510232	R	R	n/a	n/a	R	R	S	R
14722_6_38	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510233	S	R	n/a	n/a	R	R	S	R
14893_2_29	Peru via LSHTM, UK	Peru	4	ERR2510234	R	R	n/a	n/a	R	R	S	S
14892_2_29	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510235	R	R	n/a	n/a	R	R	R	S
14893_2_41	Peru via LSHTM, UK	Peru	4 (Haarlem)	ERR2510236	R	S	n/a	n/a	R	S	S	S
14722_6_36	Peru via LSHTM, UK	Peru	2	ERR2510237	R	S	n/a	n/a	R	R	S	S
14893_2_46	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510238	R	R	n/a	n/a	R	R	R	U
14722_6_71	Peru via LSHTM, UK	Peru	4	ERR2510239	S	S	n/a	n/a	S	S	S	S
14722_6_70	Peru via LSHTM, UK	Peru	2	ERR2510240	R	S	n/a	n/a	R	S	S	S
14893_2_24	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510241	R	S	n/a	n/a	R	S	S	R
14722_6_54	Peru via LSHTM, UK	Peru	4 (LAM)	ERR2510242	R	R	n/a	n/a	R	R	S</td	

7406-11	Serbia	Serbia	4 (Haarlem)	ERR2041788	R	R	S	R	U	R	U	R
6893-08	Serbia	Serbia	4 (Tur)	ERR2041753	R	R	S	R	R	F	S	S
7401-11	Serbia	Serbia	2	ERR2041783	R	R	R	R	R	R	U	R
7400-11	Serbia	Serbia	4	ERR2041782	R	R	R	R	R	R	R	R
6899-08	Serbia	Serbia	4	ERR2041758	R	R	S	S	R	S	S	S
6881-08	Serbia	Serbia	2	ERR2041744	R	R	S	R	R	R	U	R
6879-08	Serbia	Serbia	2	ERR2041742	R	R	S	R	R	R	U	R
				ERR2041705								
3916-12	Serbia	Serbia	2	ERR2041706	R	R	S	R	R	R	S	R
9936-13	Serbia	Serbia	4	ERR2041794	R	R	S	S	R	R	U	S
				ERR2041792								
9935-13	Serbia	Serbia	4	ERR2041793	R	R	S	S	R	R	S	S
109-13	Serbia	Serbia	4 (Tur)	ERR2041683	R	R	R	S	R	R	R	S
6127-09	Serbia	Serbia	4	ERR2041721	R	R	R	R	R	R	R	R
6902-08	Serbia	Serbia	2	ERR2041760	R	R	R	R	R	R	R	F
6910-08	Serbia	Serbia	4 (Haarlem)	ERR2041767	R	R	S	S	U	R	S	S
114-14	Serbia	Serbia	4 (Tur)	ERR2041689	R	R	R	R	R	R	R	R
6913-08	Serbia	Serbia	4	ERR2041770	R	R	S	S	R	R	S	S
6897-08	Serbia	Serbia	4 (Tur)	ERR2041756	R	R	R	S	R	R	R	S
9944-13	Serbia	Serbia	4 (Haarlem)	ERR2041804	R	R	S	S	R	R	R	S
6906-08	Serbia	Serbia	4 (Tur)	ERR2041764	R	R	R	R	R	R	R	U
6892-08	Serbia	Serbia	4	ERR2041752	R	R	R	S	R	R	R	S
6129-09	Serbia	Serbia	4 (Tur)	ERR2041723	R	R	R	S	R	R	R	S
9945-13	Serbia	Serbia	4 (Ural)	ERR2041805	R	R	S	S	R	R	S	S
6903-08	Serbia	Serbia	4 (Haarlem)	ERR2041761	R	R	R	S	R	R	R	S
9943-13	Serbia	Serbia	4 (Haarlem)	ERR2041803	R	R	R	S	R	R	R	S
6896-08	Serbia	Serbia	4 (S-type)	ERR2000092	R	R	R	S	U	R	F	S
110-13	Serbia	Serbia	4	ERR2041684	R	R	R	S	R	R	R	S
				ERR2041713								
3922-12	Serbia	Serbia	4	ERR2041714	R	R	R	R	R	R	R	R
6139-09	Serbia	Serbia	4	ERR2041732	R	R	S	R	R	R	S	R
6140-09	Serbia	Serbia	4 (Haarlem)	ERR2041733	R	R	R	S	R	R	F	S
				ERR2041694								
117-14	Serbia	Serbia	2	ERR2041695	R	R	n/a	R	R	R	S	R
6909-08	Serbia	Serbia	4 (Tur)	ERR2041766	R	R	R	S	R	R	R	U
7396-11	Serbia	Serbia	4 (Tur)	ERR2041777	R	R	R	R	R	R	R	U
7393-11	Serbia	Serbia	4 (S-type)	ERR2041775	R	R	R	R	U	R	R	R
				ERR2041707								
3917-12	Serbia	Serbia	4	ERR2041708	R	R	S	R	R	R	R	R
6122-09	Serbia	Serbia	4 (Tur)	ERR2041718	R	R	R	S	R	R	R	U
6143-09	Serbia	Serbia	4 (Tur)	ERR2041736	R	R	R	S	R	R	R	S
6904-08	Serbia	Serbia	4 (Tur)	ERR2041762	R	R	R	R	R	R	R	R
111-13	Serbia	Serbia	2	ERR2041685	R	R	R	S	R	R	S	R
7394-11	Serbia	Serbia	4 (Haarlem)	ERR2041776	R	R	S	S	R	R	S	S
6898-08	Serbia	Serbia	4 (Haarlem)	ERR2041757	R	R	R	R	R	R	R	R
9937-13	Serbia	Serbia	4 (Tur)	ERR2041795	R	R	R	S	U	R	R	U
6137-09	Serbia	Serbia	4	ERR2041730	R	R	R	R	R	R	R	R
6885-08	Serbia	Serbia	4 (S-type)	ERR2041747	R	R	R	S	U	R	R	S
6124-09	Serbia	Serbia	4 (Haarlem)	ERR2041719	R	R	S	S	R	R	S	S
7392-11	Serbia	Serbia	4 (S-type)	ERR2041774	R	R	R	R	U	R	R	R
6145-09	Serbia	Serbia	4 (Tur)	ERR2041739	R	R	R	S	R	R	R	S
9933-13	Serbia	Serbia	4 (Tur)	ERR2041789	R	R	R	R	R	R	R	U
6136-09	Serbia	Serbia	4 (Tur)	ERR2041729	R	R	S	S	R	R	R	R
				ERR2041715								
3924-12	Serbia	Serbia	2	ERR2041716	R	R	S	R	R	R	S	R
6888-08	Serbia	Serbia	4 (Tur)	ERR2041749	R	R	R	R	R	R	R	U
				ERR2041701								
3914-12	Serbia	Serbia	4	ERR2041702	R	R	R	R	R	R	R	R
				ERR2041699								
3911-12	Serbia	Serbia	4 (Tur)	ERR2041700	R	R	R	R	R	R	R	R
				ERR2041737								
6144-09	Serbia	Serbia	4 (Tur)	ERR2041738	R	R	R	R	R	R	R	R
6907-08	Serbia	Serbia	4 (Haarlem)	ERR2041765	R	R	S	R	U	R	R	R
6883-08	Serbia	Serbia	4 (S-type)	ERR2041745	R	R	S	S	U	R	F	S
6142-09	Serbia	Serbia	4	ERR2041735	R	R	R	S	R	R	R	S
3925-12	Serbia	Serbia	4 (Tur)	ERR2199914	R	R	R	R	R	R	R	U
				ERR2041692								
116-14	Serbia	Serbia	4 (Haarlem)	ERR2041693	R	R	R	S	R	R	R	S
6912-08	Serbia	Serbia	4	ERR2041769	R	R	R	S	U	R	R	S
				ERR2041799								
9940-13	Serbia	Serbia	2	ERR2041800	R	R	S	R	R	R	U	R
				ERR2041710								
3919-12	Serbia	Serbia	4	ERR2041711	R	R	S	R	U	R	S	R
6138-09	Serbia	Serbia	4 (Tur)	ERR2041731	R	R	R	S	R	R	R	R
				ERR2041790								
9934-13	Serbia	Serbia	4 (Tur)	ERR2041791	R	R	R	R	R	R	R	R
6911-08	Serbia	Serbia	2	ERR2041768	R	R	R	S	R	R	R	S
6890-08	Serbia	Serbia	4 (Haarlem)	ERR2041750	R	R	R	R	R	R	R	R
7389-11	Serbia	Serbia	2	ERR2041772	R	R	S	R	R	R	S	S
				ERR2041690								
115-14	Serbia	Serbia	2	ERR2041691	R	R	n/a	R	R	R	S	R
6900-08	Serbia	Serbia	4 (Tur)	ERR2041759	R	R	R	R	R	R	R	U
				ERR2041797								
9939-13	Serbia	Serbia	4 (Tur)	ERR2041798	R	R	R	S	R	R	R	U
6891-08	Serbia	Serbia	4 (Haarlem)	ERR2041751	R	R	S	S	R	R	S	S
7405-11	Serbia	Serbia	2	ERR2041787	R	R	R	R	R	R	R	U
				ERR2041801								
9941-13	Serbia	Serbia	4	ERR2041802	R	R	R	R	R	R	R	R
3920-12	Serbia	Serbia	4 (Tur)	ERR2041712	R	R	R	R	R	R	R	R
				ERR2041703								
3915-12	Serbia	Serbia	2	ERR2041704	R	R	S	R	R	R	S	R
3926-12	Serbia	Serbia	4 (Tur)	ERR2041717	R	R	R	R	R	R	R	R
6146-09	Serbia	Serbia	4 (S-type)	ERR2200070	R	R	R	R	U	R	R	U
6126-09	Serbia	Serbia	2	ERR2041720	R	R	R	R	R	R	R	F
7399-11	Serbia	Serbia	2	ERR2041781	R	R	R	S	R	R	U	S
9938-13	Serbia	Serbia	4 (Tur)	ERR2041796	R	R	R	R	R	R	R	R
108-13	Serbia	Serbia	4 (Ural)	ERR2041682	R	R	S	S	R	R	S	S
6901-08	Serbia	Serbia	4 (Tur)	ERR2200093	R	R	R	S	R	R	R	U
6128-09	Serbia	Serbia	4	ERR2041722	R	R	S	S	R	R	U	S
3910-12	Serbia	Serbia	4 (Tur)	ERR2041698	R	R	R	R	R	R	R	U
6894-08	Serbia	Serbia	4 (Tur)	ERR2041754	R	R	R	R	R	R	R	U
7402-11	Serbia	Serbia	4 (S-type)	ERR2041784	R	R	R	R	U	R	R	S
6905-08	Serbia	Serbia	4 (Tur)	ERR2041763	R	R	R	R	R	R	R	R
6880-08	Serbia	Serbia	2	ERR2041743	R	R	R	S	R	R	R	S
6886-08	Serbia	Serbia	4 (Tur)	ERR2041748	R	R	R	R	R	R	R	U
6131-09	Serbia	Serbia	4 (Haarlem)	ERR2041724	R	R	S	S	R	R	S	S
6135-09	Serbia	Serbia	4 (Haarlem)	ERR2041728	R	R	S	R	R	R	R	R
6895-08	Serbia	Serbia	4	ERR2041755	R	R	R	S	R	R	R	S
DG00508444_S17	South Africa	South Africa	4 (S-type)	ERR2515105	S	S	S	S	S	S	S	S
BN00034291_S4	South Africa	South Africa	2	ERR2515106	S	S	S	S	S	S	S	S
TRU0113094_S1	South Africa	South Africa	4 (LAM)	ERR2515107	S	R	S	S	S	S	S	S
BF01462185_S4	South Africa	South Africa	3	ERR2515108	S	S	S	S	S	U	S	S
TRU0113639_S16	South Africa	South Africa	2	ERR2515109	R	R	R	S	R	R	R	S
BN00045523_S24	South Africa	South Africa	4 (LAM)	ERR2515110	S	S	S	S	S	S	S	S
CD00745523_S11	South Africa	South Africa	4 (LAM)	ERR2515111	S	S	S	S	S	R	S	S
TRU0084661_S16	South Africa	South Africa	2	ERR2515112	R	R	R	R	R	R	R	R
BF01451694_S6	South Africa	South Africa	2	ERR2515113	S	S	S	S	S	S	S	S
CEO1509524_S21	South Africa	South Africa	4 (S-type)	ERR2515114	R	S	S	S	R	S	S	S
TRU0116714_S5	South Africa	South Africa	1	ERR2515115	R	R	R	n/a	S	R	U	S
CEO1680254_S21	South Africa	South Africa	4 (X-type)	ERR2515116	S	S	S	S	S	S	S	S
TRU0112292_S17	South Africa	South Africa	2	ERR2515117	S	S	S	S	S	S	S	S
CEO1514835_S29	South Africa	South Africa	2	ERR2515118	S	S	S	S	S	S	S	S

PK00709697_S19	South Africa	South Africa 2	ERR2515119	S	R	S	S	S	S	S	S	S	S
DH00744330_S26	South Africa	South Africa 4	ERR2515120	S	S	S	S	S	S	R	R	R	S
TRU0065060_S29	South Africa	South Africa 2	ERR2515121	R	R	S	S	S	R	R	R	S	S
BQ00030439_S1	South Africa	South Africa 4	ERR2515122	S	S	S	S	S	S	S	S	S	S
TRU0073861_S19	South Africa	South Africa 4	ERR2515123	R	R	S	S	S	R	R	S	S	S
CE01632288_S29	South Africa	South Africa 2	ERR2515124	S	S	S	S	S	S	S	S	S	S
DG00622723_S13	South Africa	South Africa 4	ERR2515125	S	S	S	S	S	S	S	S	S	S
TRU0112884_S21	South Africa	South Africa 2	ERR2515126	S	R	S	S	S	S	R	S	S	S
ED00890639_S25	South Africa	South Africa 4 (LAM)	ERR2515127	S	S	S	S	S	S	S	S	S	S
CG01628784_S23	South Africa	South Africa 2	ERR2515128	S	S	S	S	S	S	S	S	S	S
CE01835353_S27	South Africa	South Africa 2	ERR2515129	S	S	S	S	S	S	S	S	S	S
JG00244947_S31	South Africa	South Africa 4 (LAM)	ERR2515130	R	R	S	R	R	R	R	S	R	R
PK00561581_S9	South Africa	South Africa 1	ERR2515131	R	R	R	R	R	R	R	R	R	R
BT00031974_S18	South Africa	South Africa 4 (S-type)	ERR2515132	S	S	S	S	S	S	S	S	S	S
TRU0116598_S7	South Africa	South Africa 4 (X-type)	ERR2515133	n/a	R	R	n/a	R	R	R	R	R	R
CG01461742_S26	South Africa	South Africa 4 (LAM)	ERR2515134	S	S	S	S	S	S	S	S	S	S
TRU0115026_S13	South Africa	South Africa 4 (Haarlem)	ERR2515135	n/a	R	R	n/a	R	R	R	R	R	R
BK00081902_S20	South Africa	South Africa 4 (LAM)	ERR2515136	S	S	S	S	S	S	S	S	S	S
DH00730366_S3	South Africa	South Africa 4 (Haarlem)	ERR2515137	S	S	S	S	S	S	S	S	S	S
CD00831328_S31	South Africa	South Africa 2	ERR2515138	S	S	S	S	S	S	S	S	S	S
BN00045759_S27	South Africa	South Africa 4 (S-type)	ERR2515139	S	S	S	S	S	S	S	S	S	S
BQ00026670_S17	South Africa	South Africa 3	ERR2515140	S	S	S	S	S	S	S	S	S	S
DH00658034_S14	South Africa	South Africa 4	ERR2515141	S	S	S	S	S	S	F	S	S	S
BF01503182_S11	South Africa	South Africa 4 (LAM)	ERR2515142	S	S	n/a	S	S	R	S	S	S	S
TRU0084676_S26	South Africa	South Africa 4	ERR2515143	S	R	S	S	R	R	R	S	R	R
TRU0116928_S14	South Africa	South Africa 2	ERR2515144	n/a	R	R	n/a	R	R	R	R	R	R
BF01298610_S12	South Africa	South Africa 4 (Haarlem)	ERR2515145	S	S	S	S	S	S	S	S	S	S
BE01109226_S13	South Africa	South Africa 2	ERR2515146	S	S	S	S	S	S	U	S	S	S
TRU0113054_S22	South Africa	South Africa 1	ERR2515147	R	R	S	R	R	R	R	R	R	R
DG00528302_S16	South Africa	South Africa 4 (LAM)	ERR2515148	S	S	S	S	S	S	F	S	S	S
BN00045790_S27	South Africa	South Africa 2	ERR2515149	S	S	S	S	S	S	S	S	S	S
BF01344980_S16	South Africa	South Africa 2	ERR2515150	S	S	S	S	S	S	S	S	S	S
BN00045778_S6	South Africa	South Africa 2	ERR2515151	S	S	S	S	S	S	S	S	S	S
TRU0115821_S8	South Africa	South Africa 4	ERR2515152	n/a	R	R	n/a	R	R	R	R	R	R
TRU0117023_S17	South Africa	South Africa 4 (LAM)	ERR2515153	n/a	R	R	n/a	R	R	R	R	R	R
DH00540274_S14	South Africa	South Africa 4 (X-type)	ERR2515154	S	S	S	S	S	S	F	S	S	S
PF00076589_S28	South Africa	South Africa 4 (S-type)	ERR2515155	R	R	S	S	R	R	R	S	R	S
CE01896645_S29	South Africa	South Africa 2	ERR2515156	S	S	S	S	S	S	U	R	S	S
BT00030681_S18	South Africa	South Africa 4 (LAM)	ERR2515157	S	S	S	S	S	S	S	S	S	S
BK00091914_S28	South Africa	South Africa 4 (LAM)	ERR2515158	S	S	S	S	S	S	S	S	S	S
TRU0115398_S12	South Africa	South Africa 2	ERR2515159	n/a	R	R	n/a	R	R	R	R	R	S
DG00497215_S8	South Africa	South Africa 3	ERR2515160	S	S	S	R	S	S	S	S	S	R
DG00550733_S19	South Africa	South Africa 4	ERR2515161	S	S	S	S	S	S	S	S	S	S
FD00249184_S14	South Africa	South Africa 3	ERR2515162	S	S	S	S	S	S	S	S	S	S
TRU0113494_S3	South Africa	South Africa 1	ERR2515163	R	R	R	R	R	R	R	R	R	R
FD00210395_S25	South Africa	South Africa 4	ERR2515164	S	S	S	S	S	S	S	S	S	S
TRL0105195_S13	South Africa	South Africa 4 (Haarlem)	ERR2515165	R	R	R	R	n/a	R	R	R	R	R
TRU0040091_S29	South Africa	South Africa 4	ERR2515166	R	R	S	S	S	R	R	R	R	S
BQ00025088_S25	South Africa	South Africa 4 (S-type)	ERR2515167	S	S	S	S	S	S	S	S	S	S
DH00713162_S9	South Africa	South Africa 4 (S-type)	ERR2515168	S	S	S	S	S	S	S	S	S	S
BK00078535_S15	South Africa	South Africa 4 (S-type)	ERR2515169	R	S	S	S	R	S	R	S	S	S
BE01194801_S10	South Africa	South Africa 4 (LAM)	ERR2515170	S	S	S	S	S	S	S	S	S	S
FB00504841_S7	South Africa	South Africa 2	ERR2515171	S	S	S	S	S	S	S	S	S	S
CD00879967_S14	South Africa	South Africa 4 (LAM)	ERR2515172	S	S	S	S	S	S	S	S	U	S
TRU0114585_S23	South Africa	South Africa 2	ERR2515173	n/a	R	R	n/a	R	R	R	R	R	R
TRU0083443_S9	South Africa	South Africa 2	ERR2515174	S	S	S	S	S	S	S	S	F	S
TRU0115921_S9	South Africa	South Africa 4 (LAM)	ERR2515175	n/a	R	R	n/a	R	R	R	R	R	R
DH00743574_S55	South Africa	South Africa 4 (S-type)	ERR2515176	S	S	S	S	S	S	S	S	S	S
BE01452991_S29	South Africa	South Africa 4	ERR2515177	S	S	S	S	S	S	S	U	S	S
TRU0113325_S4	South Africa	South Africa 2	ERR2515178	S	R	S	S	S	S	R	S	S	S
BF01304848_S20	South Africa	South Africa 2	ERR2515179	S	S	S	S	S	S	S	S	S	S
BK00085627_S24	South Africa	South Africa 4 (Haarlem)	ERR2515180	S	S	S	S	S	S	S	S	S	S
DH005593014_S29	South Africa	South Africa 4 (LAM)	ERR2515181	S	S	S	S	S	S	S	S	S	S
TRU0114239_S21	South Africa	South Africa 4 (Haarlem)	ERR2515182	R	R	R	R	R	R	R	R	R	R
EB00175368_S6	South Africa	South Africa 4 (S-type)	ERR2515183	S	S	S	S	S	S	S	S	S	S
DG00532210_S10	South Africa	South Africa 4 (LAM)	ERR2515184	S	S	S	S	S	S	S	S	S	S
ED00880062_S20	South Africa	South Africa 4 (S-type)	ERR2515185	R	S	S	R	R	R	R	R	R	R
TRL0083502_S35	South Africa	South Africa 2	ERR2515186	S	S	S	S	S	S	S	S	S	S
DH00637914_S7	South Africa	South Africa 4 (S-type)	ERR2515187	S	S	S	S	S	S	S	S	S	S
DG00589680_S7	South Africa	South Africa 3	ERR2515188	S	S	S	S	S	S	S	S	S	S
TRU0112879_S20	South Africa	South Africa 4 (LAM)	ERR2515189	R	R	S	S	S	R	R	S	S	S
CE01521393_S1	South Africa	South Africa 2	ERR2515190	S	S	S	S	S	S	S	S	S	S
CE01890755_S13	South Africa	South Africa 2	ERR2515191	S	S	S	S	n/a	S	F	S	S	S
CE01428572_S2	South Africa	South Africa 4	ERR2515192	S	S	S	S	S	S	S	S	S	S
FB00459103_S16	South Africa	South Africa 4 (LAM)	ERR2515193	S	S	S	S	S	S	S	S	S	S
DG00660292_S55	South Africa	South Africa 4 (LAM)	ERR2515194	S	S	S	S	S	S	S	S	S	S
BE01391332_S20	South Africa	South Africa 4 (LAM)	ERR2515195	S	R	S	S	S	S	S	S	S	S
EI00656767_S6	South Africa	South Africa 4 (X-type)	ERR2515196	S	S	S	S	S	S	S	U	S	S
BT00031431_S7	South Africa	South Africa 4 (LAM)	ERR2515197	S	S	S	S	S	S	U	S	S	S
DG00579942_S22	South Africa	South Africa 4 (S-type)	ERR2515198	S	S	S	S	S	S	S	S	S	S
TRU0115159_S15	South Africa	South Africa 4 (Haarlem)	ERR2515199	n/a	R	R	n/a	R	R	R	R	R	R
BR00089488_S21	South Africa	South Africa 3	ERR2515200	S	S	S	S	S	S	S	S	S	S
DG00538620_S17	South Africa	South Africa 2	ERR2515201	S	S	S	S	S	S	S	S	S	S
JA00176841_S1	South Africa	South Africa 4	ERR2515202	R	R	S	R	R	R	R	R	R	R
BF013181823_S11	South Africa	South Africa 4 (X-type)	ERR2515203	S	S	S	S	S	S	S	S	S	S
FD00248230_S10	South Africa	South Africa 4 (S-type)	ERR2515204	S	S	S	S	S	S	S	S	S	S
KF00065920_S19	South Africa	South Africa 4 (LAM)	ERR2515205	S	R	S	R	S	R	S	S	S	S
BT00030319_S55	South Africa	South Africa 4 (LAM)	ERR2515206	S	S	S	S	S	S	S	S	S	S
EB00165987_S16	South Africa	South Africa 4 (Haarlem)	ERR2515207	S	S	S	S	S	S	S	S	S	S
DH006037940_S21	South Africa	South Africa 4 (X-type)	ERR2515208	S	S	S	S	S	S	S	S	S	S
TRU0118609_S19	South Africa	South Africa 2	ERR2515209	R	R	S	R	R	R	R	S	S	S
TRU0114134_S8	South Africa	South Africa 4 (Haarlem)	ERR2515210	R	R	S	R	R	R	R	S	R	S
PNO0175023_S13	South Africa	South Africa 2	ERR2515211	S	S	S	S	S	S	S	S	S	S
BK00096329_S23	South Africa	South Africa 4 (X-type)	ERR2515212	S	S	S	S	S	S	S	S	S	S
TRU0114469_S24	South Africa	South Africa 2	ERR2515213	n/a	R	R	n/a	R	R	R	R	R	R
BN00047410_S18	South Africa	South Africa 2	ERR2515214	S	S	S	S	S	S	S	S	S	S
EB00168504_S17	South Africa	South Africa 4 (S-type)	ERR2515215	S	S	S	S	S	S	S	S	S	S
BF01076000_S23	South Africa	South Africa 4	ERR2515216	S	S	S	S	S	S	S	S	S	S
TRU0095895_S18	South Africa	South Africa 4	ERR2515217	S	S	S	S	S	S	S	S	S	S
TRU0113019_S9	South Africa	South Africa 4	ERR2515218	S	R	S	S	S	R	S	S	S	S
BD00505189_S2	South Africa	South Africa 4 (S-type)	ERR2515219	S	S	S	S	S	S	S	S	S	S
DH00634094_S1	South Africa	South Africa 4 (LAM)	ERR2515220	S	S	S	S	S	S	S	S	S	S
TRU0113198_S2	South Africa	South Africa 4 (Haarlem)	ERR2515221	S	R	S	S	S	R	S	S	S	S
BR00078837_S17	South Africa	South Africa 4 (Haarlem)	ERR2515222	S	S	S	S	S	S	S	S	S	S
PS00307966_S11	South Africa	South Africa 2	ERR2515223	S	R	S	n/a	S	R	S	S	S	S
PS00313772_S12	South Africa	South Africa 4	ERR2515224	R	R	S	R	S	R	R	R	R	R
PS00326134_S9	South Africa	South Africa 4	ERR2515225	R	R	S	R	S	R	R	S</		

E00666603_S8	South Africa	South Africa 2	ERR2515241	S	S	S	S	S	S	S	S
BF01092541_S25	South Africa	South Africa 4 (S-type)	ERR2515242	R	R	R	S	S	R	R	U
CDO0934516_S20	South Africa	South Africa 2	ERR2515243	S	S	S	S	S	S	S	S
E00603951_S24	South Africa	South Africa 4 (LAM)	ERR2515244	S	S	S	S	S	S	S	S
DG00676352_S17	South Africa	South Africa 4	ERR2515245	S	R	R	S	R	S	R	S
TRL0044786_S19	South Africa	South Africa 4 (Haarlem)	ERR2515246	R	R	R	S	R	R	R	R
IG00304736_S2	South Africa	South Africa 4 (S-type)	ERR2515247	R	R	R	R	R	R	R	R
TRL0115004_S6	South Africa	South Africa 4 (X-type)	ERR2515248	n/a	R	S	n/a	S	R	S	F
TRL0113493_S10	South Africa	South Africa 1	ERR2515249	R	R	R	R	R	R	R	R
TRL0116865_S11	South Africa	South Africa 2	ERR2515250	n/a	R	R	n/a	R	R	R	R
E00661011_S12	South Africa	South Africa 2	ERR2515251	S	S	S	S	S	S	S	S
TRL0091844_S5	South Africa	South Africa 1	ERR2515252	R	R	R	R	R	R	R	R
TRL0031455_S8	South Africa	South Africa 3	ERR2515253	S	S	S	S	S	S	S	S
DG00497195_S6	South Africa	South Africa 3	ERR2515254	S	S	S	S	F	S	S	S
DH00686932_S3	South Africa	South Africa 2	ERR2515255	R	R	S	S	F	F	F	F
DG00664475_S13	South Africa	South Africa 2	ERR2515256	S	S	S	S	S	S	S	S
CG01293502_S1	South Africa	South Africa 2	ERR2515257	S	S	S	S	S	S	S	S
RD00095112_S10	South Africa	South Africa 4 (LAM)	ERR2515258	R	R	R	S	S	U	S	S
E00608897_S32	South Africa	South Africa 4 (Haarlem)	ERR2515259	S	S	S	S	S	S	S	S
BQ00025411_S6	South Africa	South Africa 4 (S-type)	ERR2515260	S	S	S	S	S	S	S	S
DG00664485_S7	South Africa	South Africa 3	ERR2515261	R	S	S	R	R	S	S	U
FD00222433_S28	South Africa	South Africa 4 (X-type)	ERR2515262	R	R	R	S	R	R	R	U
TRL0116219_S20	South Africa	South Africa 2	ERR2515263	n/a	R	R	n/a	R	R	R	S
DH00695092_S11	South Africa	South Africa 4 (Haarlem)	ERR2515264	R	R	R	R	R	R	R	R
BR00088314_S16	South Africa	South Africa 4 (S-type)	ERR2515265	R	R	R	R	R	R	R	R
PJ00148593_S32	South Africa	South Africa 4 (LAM)	ERR2515266	S	R	S	S	S	S	S	S
TRL0041018_S17	South Africa	South Africa 4 (LAM)	ERR2515267	S	R	S	S	S	S	S	S
CD00809239_S32	South Africa	South Africa 2	ERR2515268	S	S	S	S	S	S	S	S
BF01127258_S30	South Africa	South Africa 4 (S-type)	ERR2515269	S	S	S	S	S	S	S	S
CEO1929749_S11	South Africa	South Africa 2	ERR2515270	S	S	S	S	S	S	S	S
BR00096737_S28	South Africa	South Africa 2	ERR2515271	S	S	S	S	n/a	S	S	S
BD00574429_S3	South Africa	South Africa 2	ERR2515272	S	S	S	S	S	S	S	S
BF01457882_S22	South Africa	South Africa 2	ERR2515273	S	S	S	S	S	S	S	S
BF01491838_S3	South Africa	South Africa 4 (Haarlem)	ERR2515274	S	S	S	S	S	S	S	S
BN00040337_S32	South Africa	South Africa 4 (Haarlem)	ERR2515275	S	S	S	S	S	S	S	S
DH00668828_S20	South Africa	South Africa 2	ERR2515276	S	S	S	S	S	S	S	S
QF00450839_S14	South Africa	South Africa 4 (X-type)	ERR2515277	S	R	S	S	U	R	S	S
CG01570427_S22	South Africa	South Africa 4 (Haarlem)	ERR2515278	S	S	S	S	S	S	S	S
BF01391370_S28	South Africa	South Africa 2	ERR2515279	S	S	S	S	S	S	S	S
GH00373068_S23	South Africa	South Africa 4	ERR2515280	S	S	S	S	S	S	S	S
BF01330892_S26	South Africa	South Africa 4 (LAM)	ERR2515281	S	S	S	S	S	S	S	S
BF01227089_S16	South Africa	South Africa 2	ERR2515282	S	S	S	S	S	S	S	S
TRL0038616_S12	South Africa	South Africa 2	ERR2515283	R	R	R	S	R	R	S	S
TRL0113427_S13	South Africa	South Africa 4 (Haarlem)	ERR2515284	S	R	R	S	R	R	R	S
BF01353408_S31	South Africa	South Africa 4 (Haarlem)	ERR2515285	S	S	S	S	S	S	S	S
TRL0114845_S34	South Africa	South Africa 4 (LAM)	ERR2515286	n/a	R	R	n/a	R	R	R	F
BF01491999_S23	South Africa	South Africa 4 (S-type)	ERR2515287	S	S	S	S	S	S	S	S
BF01498045_S22	South Africa	South Africa 4 (LAM)	ERR2515288	S	S	S	S	S	U	S	S
DG00646980_S4	South Africa	South Africa 2	ERR2515289	S	S	S	S	S	S	S	S
CD00958113_S26	South Africa	South Africa 4 (X-type)	ERR2515290	S	S	S	S	S	S	S	S
CE01825547_S19	South Africa	South Africa 2	ERR2515291	S	S	S	S	S	S	S	S
BF01355993_S32	South Africa	South Africa 4 (S-type)	ERR2515292	R	S	S	S	S	S	S	S
CD00862479_S16	South Africa	South Africa 4 (LAM)	ERR2515293	R	R	R	R	R	R	R	R
TRL0073196_S25	South Africa	South Africa 4 (X-type)	ERR2515294	R	R	S	R	R	R	R	R
BF00030105_S31	South Africa	South Africa 4 (LAM)	ERR2515295	S	S	S	S	S	S	S	S
DH00741625_S10	South Africa	South Africa 2	ERR2515296	S	S	S	n/a	S	S	S	S
BT00028734_S4	South Africa	South Africa 2	ERR2515297	S	S	S	S	F	S	S	S
CG01611734_S28	South Africa	South Africa 4 (X-type)	ERR2515298	S	S	S	S	S	U	S	S
ED00927883_S7	South Africa	South Africa 2	ERR2515299	S	S	S	S	S	S	S	S
BT00033633_S21	South Africa	South Africa 2	ERR2515300	S	S	S	S	S	S	S	S
TRL0022765_S16	South Africa	South Africa 2	ERR2515301	R	R	S	R	R	R	R	R
CE01707414_S3	South Africa	South Africa 2	ERR2515302	S	S	S	S	S	S	S	S
TRL00628091_S22	South Africa	South Africa 4 (Haarlem)	ERR2515303	S	S	S	S	S	S	S	S
TRL0088085_S26	South Africa	South Africa 2	ERR2515304	R	R	R	S	R	F	R	R
BK00081681_S19	South Africa	South Africa 2	ERR2515305	S	S	S	S	S	S	S	S
GH00383070_S2	South Africa	South Africa 2	ERR2515306	S	S	S	S	S	S	S	S
ED00927899_S1	South Africa	South Africa 4 (LAM)	ERR2515307	S	S	S	S	S	S	S	S
BF01491881_S14	South Africa	South Africa 2	ERR2515308	S	S	S	S	S	S	S	S
BT00031324_S26	South Africa	South Africa 2	ERR2515309	S	S	S	S	F	S	S	F
TRL0113347_S12	South Africa	South Africa 4 (S-type)	ERR2515310	R	R	R	R	R	R	R	R
P000232748_S14	South Africa	South Africa 4 (LAM)	ERR2515311	S	S	S	S	S	S	S	S
DG00497214_S7	South Africa	South Africa 4 (X-type)	ERR2515312	S	S	S	S	S	S	S	S
BH00935270_S22	South Africa	South Africa 2	ERR2515313	S	S	S	S	S	S	S	S
CG01283125_S32	South Africa	South Africa 1	ERR2515314	S	S	S	S	S	S	S	S
BT00030782_S26	South Africa	South Africa 4 (X-type)	ERR2515315	S	S	S	S	S	S	S	S
DG00674781_S19	South Africa	South Africa 4 (LAM)	ERR2515316	S	S	S	S	S	U	S	S
DH00563988_S26	South Africa	South Africa 4	ERR2515317	S	S	S	S	S	S	S	S
BF01462180_S24	South Africa	South Africa 2	ERR2515318	S	S	S	S	S	S	S	S
TRL0115510_S14	South Africa	South Africa 4 (LAM)	ERR2515319	n/a	R	R	n/a	R	R	R	R
CH00382796_S10	South Africa	South Africa 4 (X-type)	ERR2515320	S	S	S	S	S	S	S	S
BF01165217_S2	South Africa	South Africa 4 (LAM)	ERR2515321	S	S	S	S	S	S	S	S
TRL0115399_S7	South Africa	South Africa 2	ERR2515322	n/a	R	R	n/a	R	R	R	R
JG00421329_S17	South Africa	South Africa 4	ERR2515323	S	R	S	S	F	S	S	S
BK00088622_S21	South Africa	South Africa 2	ERR2515324	S	S	S	S	S	S	S	S
TRL0115885_S21	South Africa	South Africa 2	ERR2515325	n/a	R	S	n/a	R	R	R	R
BK00092074_S31	South Africa	South Africa 2	ERR2515326	S	S	S	S	S	S	S	S
BK00092214_S19	South Africa	South Africa 2	ERR2515327	S	S	S	S	S	S	S	S
BF01182050_S12	South Africa	South Africa 4 (LAM)	ERR2515328	S	S	S	S	S	S	S	S
OI00115044_S8	South Africa	South Africa 4	ERR2515329	S	R	S	S	R	S	R	S
BD00535343_S6	South Africa	South Africa 2	ERR2515330	S	S	S	S	S	S	S	S
TRL0115627_S17	South Africa	South Africa 2	ERR2515331	n/a	R	R	n/a	R	R	R	R
JG00407001_S7	South Africa	South Africa 4 (S-type)	ERR2515332	S	S	S	S	S	S	S	S
TRL0117027_S18	South Africa	South Africa 2	ERR2515333	n/a	R	S	n/a	F	S	S	S
BE01336541_S20	South Africa	South Africa 2	ERR2515334	S	S	S	S	S	S	S	S
TRL0114849_S9	South Africa	South Africa 4 (Haarlem)	ERR2515335	n/a	R	S	n/a	R	R	R	R
ED00865824_S23	South Africa	South Africa 2	ERR2515336	S	S	S	S	S	S	S	S
TRL0116938_S15	South Africa	South Africa 4 (X-type)	ERR2515337	n/a	R	R	n/a	R	R	R	R
DH00742222_S23	South Africa	South Africa 4	ERR2515338	S	S	S	S	S	S	S	S
E00656774_S9	South Africa	South Africa 4 (S-type)	ERR2515339	S	S	S	S	S	S	S	S
BT00026108_S4	South Africa	South Africa 4	ERR2515340	S	S	S	S	S	S	S	S
PM00232791_S2	South Africa	South Africa 4 (LAM)	ERR2515341	S	S	S	S	S	S	S	S
GH00391555_S28	South Africa	South Africa 4 (Haarlem)	ERR2515342	R	R	R	R	R	R	R	R
TRL0115207_S17	South Africa	South Africa 4 (LAM)	ERR2515343	S	S	S	S	S	S	S	S
TR0101901_S6	South Africa	South Africa 4 (X-type)	ERR2515344	n/a	R	R	n/a	R	R	R	R
TRL0113512_S7	South Africa	South Africa 4	ERR2515345	R	R	R	S	R	R	R	R
RL00104514_S10	South Africa	South Africa 4 (X-type)	ERR2515346	R	R	R	S	R	R	R	R
P00170885_S5	South Africa	South Africa 1	ERR2515347	R	R	R	R	S	R	F	R
CE01554674_S11	South Africa	South Africa 4 (LAM)	ERR2515348	R	R	R	R	S	R	R	R
TRL0113615_S13	South Africa	South Africa 4 (LAM)	ERR2515349	S	S	S	S	S	S	S	S
DH00599289_S31	South Africa	South Africa 4 (LAM)	ERR2515350	S	R	S	S	S	R	S	S
IG00423359_S8	South Africa	South Africa 2	ERR2515351	S	S	S	S	S	S	S	S
CE01607859_S23	South Africa	South Africa 4	ERR2515352	R	R	R	S	R	R	R	R
TRL0117139_S14	South Africa	South Africa 4 (LAM)	ERR2515354	S	R	R	n/a	F	S	S	S
BF01457863_S17	South Africa	South Africa 4 (Haarlem)	ERR2515355	S	S	S	S	S	S	S	S
TRL0038641_S31	South Africa	South Africa 2	ERR2515356	S	R	S	R	S	R	S	S
E006640049_S15	South Africa	South Africa 4 (LAM)	ERR2515357	S	S	S	S	S	S	S	S
TRL0114541_S38	South Africa	South Africa 2	ERR2515358	n/a	R	R	n/a	R	R	R	R
FD00778346_S30	South Africa	South Africa 4 (Haarlem)	ERR2515359	S	S	S	S	S	S	S	S
TRL0112305_S21	South Africa	South Africa 1	ERR2515360	S	S	S	S	S	S	S	S
TRL0114478_S1	South Africa	South Africa 4 (Haarlem)	ERR2515361	n/a	R	R	n/a	R	R	R	R
TRL0090177_S27	South Africa	South Africa 2	ERR2515362	S	R	R	S	S	S	R	S

GH00318902_S11	South Africa	South Africa 4 (LAM)	ERR2515363	S	S	S	S	S	S	S	S	S
BE01203367_S13	South Africa	South Africa 4 (Haarlem)	ERR2515364	S	S	S	S	S	F	S	S	S
BT00030402_S31	South Africa	South Africa 2	ERR2515365	S	S	S	S	S	S	S	S	S
ED00922760_S24	South Africa	South Africa 3	ERR2515366	S	S	S	S	S	S	S	S	S
FB00459122_S20	South Africa	South Africa 4 (S-type)	ERR2515367	S	S	S	S	S	S	S	S	S
CE01831847_S28	South Africa	South Africa 2	ERR2515368	S	S	S	S	S	S	S	S	S
PA00082965_S7	South Africa	South Africa 2	ERR2515369	S	R	S	S	U	R	S	S	S
EI00622581_S5	South Africa	South Africa 4 (Haarlem)	ERR2515370	S	S	R	S	S	S	S	S	S
TRU0074347_S14	South Africa	South Africa 2	ERR2515371	R	R	S	R	R	R	R	R	U
CD00719292_S23	South Africa	South Africa 2	ERR2515372	S	S	S	S	S	S	S	S	S
TRL0116137_S16	South Africa	South Africa 2	ERR2515373	n/a	R	R	n/a	R	R	R	R	S
BF01140560_S19	South Africa	South Africa 4 (LAM)	ERR2515374	S	S	S	S	S	S	S	S	S
CE01717296_S22	South Africa	South Africa 4 (LAM)	ERR2515375	R	S	S	S	R	S	S	S	S
PS00263922_S4	South Africa	South Africa 2	ERR2515376	R	R	R	S	R	R	R	S	S
CE01578442_S31	South Africa	South Africa 2	ERR2515377	S	S	S	S	S	S	S	S	S
EB00181559_S10	South Africa	South Africa 2	ERR2515378	S	S	S	S	S	S	S	S	S
DH00659469_S18	South Africa	South Africa 4	ERR2515379	S	S	S	S	S	S	S	S	S
DH00698631_S3	South Africa	South Africa 2	ERR2515380	S	S	S	S	S	S	S	S	S
DH00668045_S9	South Africa	South Africa 1	ERR2515381	S	S	S	S	S	S	U	U	S
OK00054059_S28	South Africa	South Africa 4 (X-type)	ERR2515382	S	R	S	S	S	S	R	U	S
BQ00032365_S10	South Africa	South Africa 4 (X-type)	ERR2515383	S	S	S	S	S	S	S	S	S
PK00524261_S29	South Africa	South Africa 4	ERR2515384	R	R	S	S	R	R	R	R	R
BK00089243_S26	South Africa	South Africa 2	ERR2515385	R	S	S	S	R	S	S	S	S
TRU0115767_S13	South Africa	South Africa 4 (X-type)	ERR2515386	n/a	R	R	n/a	R	R	R	R	U
BF01298771_S19	South Africa	South Africa 2	ERR2515387	S	R	S	S	S	R	S	S	S
EB00198368_S29	South Africa	South Africa 2	ERR2515388	S	S	S	S	S	S	S	S	S
TRU0085876_S27	South Africa	South Africa 4 (LAM)	ERR2515389	R	R	S	S	R	R	S	S	S
TRU0111034_S3	South Africa	South Africa 4 (LAM)	ERR2515390	R	R	R	R	R	R	R	R	R
CG01490116_S15	South Africa	South Africa 4	ERR2515391	S	S	S	S	S	S	S	S	S
ED00926802_S31	South Africa	South Africa 4 (Haarlem)	ERR2515392	S	S	S	S	F	S	S	S	S
EF00226974_S29	South Africa	South Africa 4 (LAM)	ERR2515393	S	S	S	S	S	S	S	S	S
EF00237922_S30	South Africa	South Africa 4 (LAM)	ERR2515394	S	S	S	S	S	S	S	S	S
DH00593017_S30	South Africa	South Africa 4 (LAM)	ERR2515395	S	S	S	S	S	S	U	S	S
TRU0090962_S8	South Africa	South Africa 2	ERR2515396	S	R	S	S	S	R	S	S	S
BK00092314_S2	South Africa	South Africa 2	ERR2515397	S	S	S	S	S	S	S	S	S
BF01338209_S28	South Africa	South Africa 2	ERR2515398	S	S	S	S	S	S	S	S	S
BR00085359_S19	South Africa	South Africa 4 (LAM)	ERR2515399	S	S	S	S	S	S	U	S	S
EI00670575_S16	South Africa	South Africa 4 (LAM)	ERR2515400	R	S	R	R	R	R	R	R	R
BE01141175_S8	South Africa	South Africa 4 (S-type)	ERR2515401	S	S	S	S	S	S	S	S	S
CD00810261_S27	South Africa	South Africa 4 (LAM)	ERR2515402	S	S	S	S	S	S	S	S	S
BK00092575_S2	South Africa	South Africa 4 (Haarlem)	ERR2515403	S	S	S	S	S	S	U	S	S
ED00958940_S13	South Africa	South Africa 3	ERR2515404	S	S	S	S	S	S	S	S	S
TRU0115684_S19	South Africa	South Africa 4 (LAM)	ERR2515405	n/a	R	R	n/a	R	R	S	R	R
BF01238870_S3	South Africa	South Africa 4 (LAM)	ERR2515406	S	S	S	S	S	S	S	S	S
PK00537387_S12	South Africa	South Africa 4 (LAM)	ERR2515407	R	R	S	R	R	R	R	R	R
BE01210845_S24	South Africa	South Africa 4	ERR2515408	R	S	S	S	R	R	S	S	S
FD00214542_S18	South Africa	South Africa 4	ERR2515409	R	R	S	R	R	R	R	S	R
TRU0113640_S43	South Africa	South Africa 4 (S-type)	ERR2515410	R	R	R	R	R	R	R	R	R
TRU0115584_S2	South Africa	South Africa 4 (LAM)	ERR2515411	n/a	R	R	n/a	R	R	R	R	R
BN00046703_S8	South Africa	South Africa 4 (Haarlem)	ERR2515412	S	S	S	S	S	S	S	S	S
GH00373074_S7	South Africa	South Africa 3	ERR2515413	S	S	S	S	S	S	S	S	S
BN00034754_S19	South Africa	South Africa 4 (LAM)	ERR2515414	S	S	S	S	S	S	S	S	S
TRU0116131_S3	South Africa	South Africa 4 (S-type)	ERR2515415	n/a	S	S	n/a	S	S	S	S	S
BE01408890_S6	South Africa	South Africa 2	ERR2515416	S	S	S	S	S	S	S	S	S
TRU0071026_S23	South Africa	South Africa 2	ERR2515417	S	R	S	S	S	R	S	S	S
BF01077380_S24	South Africa	South Africa 2	ERR2515418	S	S	S	S	S	S	S	S	S
TRU0115152_S14	South Africa	South Africa 2	ERR2515419	n/a	R	R	n/a	R	R	R	R	R
BR00093393_S5	South Africa	South Africa 2	ERR2515420	S	S	S	S	S	S	S	S	S
EB00190563_S32	South Africa	South Africa 4 (Haarlem)	ERR2515421	S	S	S	S	S	S	S	S	S
BN00047437_S8	South Africa	South Africa 4 (S-type)	ERR2515422	S	S	S	S	S	S	S	S	S
TRU0113018_S23	South Africa	South Africa 4 (LAM)	ERR2515423	R	R	S	R	R	R	R	R	R
EI00660934_S19	South Africa	South Africa 4 (S-type)	ERR2515424	S	S	S	S	S	S	S	S	S
TRU0115878_S23	South Africa	South Africa 4 (X-type)	ERR2515425	n/a	R	R	n/a	R	R	R	R	U
EI00613661_S19	South Africa	South Africa 4 (LAM)	ERR2515426	S	S	R	S	S	R	S	S	S
BF01303317_S12	South Africa	South Africa 2	ERR2515427	R	S	S	n/a	S	S	S	S	S
EI00668681_S5	South Africa	South Africa 4 (S-type)	ERR2515428	S	S	S	S	S	S	S	S	S
DH00686929_S26	South Africa	South Africa 4 (S-type)	ERR2515429	S	S	S	S	S	S	S	S	S
DH00727632_S1	South Africa	South Africa 4 (LAM)	ERR2515430	S	S	S	S	n/a	S	S	S	S
BQ00025312_S26	South Africa	South Africa 2	ERR2515431	S	S	S	S	S	S	S	S	S
BQ00025777_S9	South Africa	South Africa 4 (LAM)	ERR2515432	S	S	S	S	S	S	S	S	S
CE01671817_S27	South Africa	South Africa 2	ERR2515433	S	S	S	S	S	S	S	S	S
DH00683997_S6	South Africa	South Africa 4 (S-type)	ERR2515434	S	S	S	S	S	S	S	S	S
CE01938197_S27	South Africa	South Africa 4 (X-type)	ERR2515435	S	S	S	S	S	S	S	S	S
JA00127310_S1	South Africa	South Africa 2	ERR2515436	S	R	R	S	U	R	R	S	S
CD00804167_S25	South Africa	South Africa 3	ERR2515437	S	S	S	S	S	S	S	S	S
KD00184898_S16	South Africa	South Africa 4 (Haarlem)	ERR2515438	S	R	S	S	S	F	S	S	S
ED00788365_S22	South Africa	South Africa 2	ERR2515439	R	S	S	S	S	S	S	S	S
BT00028429_S12	South Africa	South Africa 4 (LAM)	ERR2515440	S	S	S	S	S	S	S	S	S
TRU0113491_S9	South Africa	South Africa 2	ERR2515441	S	R	S	S	S	R	S	S	S
RJ00263599_S11	South Africa	South Africa 2	ERR2515442	S	R	S	S	S	S	S	S	S
BQ00031148_S31	South Africa	South Africa 4 (S-type)	ERR2515443	S	S	S	S	S	S	S	S	S
BT00031968_S17	South Africa	South Africa 4 (LAM)	ERR2515444	S	S	S	S	S	S	S	S	F
OB00115404_S32	South Africa	South Africa 4 (LAM)	ERR2515445	R	R	S	R	R	R	R	R	R
CE01835349_S28	South Africa	South Africa 2	ERR2515446	S	S	S	S	S	S	S	S	S
BT00030879_S21	South Africa	South Africa 2	ERR2515447	S	S	S	S	S	S	U	S	S
UH00163533_S8	South Africa	South Africa 2	ERR2515448	R	R	S	R	R	R	R	R	R
BK00091788_S23	South Africa	South Africa 4	ERR2515449	R	S	S	S	S	S	S	S	S
EI00587085_S6	South Africa	South Africa 2	ERR2515450	S	S	S	S	S	S	S	S	S
JF00065486_S4	South Africa	South Africa 4 (S-type)	ERR2515451	S	S	S	S	S	S	S	S	S
BF01140550_S32	South Africa	South Africa 4 (S-type)	ERR2515452	S	S	S	S	S	S	S	S	S
CH00427792_S8	South Africa	South Africa 2	ERR2515453	S	S	S	S	S	S	S	S	S
DG00561785_S15	South Africa	South Africa 3	ERR2515454	S	S	S	S	S	S	S	S	S
CD00741680_S25	South Africa	South Africa 2	ERR2515455	S	S	S	R	S	S	S	S	R
DH00742746_S18	South Africa	South Africa 4 (LAM)	ERR2515456	S	S	S	S	S	S	S	S	S
BK00092681_S23	South Africa	South Africa 2	ERR2515457	S	S	S	S	S	S	S	S	S
TRU0116379_S22	South Africa	South Africa 2	ERR2515458	n/a	R	R	n/a	R	R	R	R	S
DH00724524_S23	South Africa	South Africa 2	ERR2515459	S	S	S	S	S	S	S	S	S
BF01188602_S13	South Africa	South Africa 4	ERR2515460	S	S	S	S	S	S	S	S	S
CG01343657_S3	South Africa	South Africa 4 (S-type)	ERR2515461	S	S	S	R	S	S	S	S	S
CE01907646_S23	South Africa	South Africa 2	ERR2515462	S	S	S	S	S	S	S	S	S
TRU0043835_S18	South Africa	South Africa 4 (S-type)	ERR2515463	S	R	S	S	S	S	S	S	S
CE01925232_S11	South Africa	South Africa 2	ERR2515464	S	S	S	S	S	S	S	S	S
BF01381806_S25	South Africa	South Africa 1	ERR2515465	R	R	R	R	R	R	R	R	R
VG00072668_S28	South Africa	South Africa 2	ERR2515466	R	R	R	R	R	R	R	R	R
CD00910298_S12	South Africa	South Africa 4 (S-type)	ERR2515467	S	S	S	S	S	S	S	S	S
DH00680066_S18	South Africa	South Africa 2	ERR2515468	S	S	S	S	S	S	S	S	S
CD00956688_S13	South Africa	South Africa 2	ERR2515469	S	S	S	S	S	S	S	S	S
BF01462160_S23	South Africa	South Africa 4 (Haarlem)	ERR2515470	S	S	S	S	S	S	S	S	S
EI00671944_S17	South Africa	South Africa 4	ERR2515471	S	S	S	S	S	S	S	S	S
BF01375035_S30	South Africa	South Africa 4	ERR2515472	S	S	S	S	S	S	S	S	S
TRU0115518_S23	South Africa	South Africa 2	ERR2515473	n/a	R	R	n/a	R	R	R	R	R
BF01298605_S30	South Africa	South Africa 4 (X-type)	ERR2515474	R	R	R	R	R	R	R	R	R
TRU0114976_S5	South Africa	South Africa 4 (S-type)	ERR2515475									

JC00272056_S3	South Africa	South Africa 4	ERR2515485	S	S	S	S	S	S	S	S	S
TRLU113344_S3	South Africa	South Africa 4 (S-type)	ERR2515486	R	R	R	R	R	R	R	R	R
CH00423116_S13	South Africa	South Africa 3	ERR2515487	S	S	R	S	S	S	S	S	S
TRLU097309_S23	South Africa	South Africa 2	ERR2515488	R	R	R	R	R	R	R	R	R
BH00962935_S12	South Africa	South Africa 4 (Haarlem)	ERR2515489	S	S	S	S	S	S	S	S	S
BD00638311_S6	South Africa	South Africa 2	ERR2515490	S	S	S	S	S	S	S	S	S
BH00962938_S13	South Africa	South Africa 2	ERR2515491	R	S	S	S	S	S	S	S	F
EF00224395_S27	South Africa	South Africa 4 (LAM)	ERR2515492	S	S	S	S	S	S	F	S	S
CDO0729150_S30	South Africa	South Africa 4 (S-type)	ERR2515493	S	S	S	S	S	S	S	S	S
GH00378509_S15	South Africa	South Africa 4	ERR2515494	S	S	S	S	S	S	S	S	S
BF01330889_S14	South Africa	South Africa 2	ERR2515495	S	S	S	S	S	S	S	S	S
EF00237909_S14	South Africa	South Africa 4 (LAM)	ERR2515496	S	S	S	S	S	S	S	S	S
PJ00572527_S11	South Africa	South Africa 4	ERR2515497	S	S	S	S	S	S	S	S	S
PS00308032_S27	South Africa	South Africa 4 (S-type)	ERR2515498	S	R	S	S	S	R	S	S	S
BR00088315_S17	South Africa	South Africa 2	ERR2515499	S	S	S	S	S	S	S	S	S
BF01443928_S15	South Africa	South Africa 4	ERR2515500	S	S	S	S	S	S	S	S	S
BK00089244_S27	South Africa	South Africa 4 (Haarlem)	ERR2515501	S	S	S	S	S	S	U	S	S
BR00093737_S29	South Africa	South Africa 2	ERR2515502	S	S	S	S	S	S	S	S	S
DG00633179_S12	South Africa	South Africa 2	ERR2515503	S	S	S	S	S	S	S	U	S
DH00654552_S21	South Africa	South Africa 4 (LAM)	ERR2515504	R	S	S	S	R	S	S	S	S
BK00092579_S3	South Africa	South Africa 4 (Haarlem)	ERR2515505	S	S	S	S	S	S	U	S	S
PH00104960_S28	South Africa	South Africa 4 (LAM)	ERR2515506	R	R	S	R	R	R	R	R	R
TRU0114647_S13	South Africa	South Africa 2	ERR2515513	n/a	R	S	n/a	R	R	S	R	R
TRU0115824_S12	South Africa	South Africa 1	ERR2515514	n/a	R	R	n/a	R	R	R	R	R
DG00577274_S21	South Africa	South Africa 4 (X-type)	ERR2515515	S	S	S	S	S	S	S	S	S
EF00248786_S5	South Africa	South Africa 4 (S-type)	ERR2515516	S	S	S	S	S	S	S	S	S
EI00657490_S10	South Africa	South Africa 2	ERR2515517	S	S	S	S	S	S	S	S	S
TRLU090790_S26	South Africa	South Africa 2	ERR2515518	S	R	S	S	S	R	S	S	S
TRLU115051_S20	South Africa	South Africa 2	ERR2515519	n/a	R	R	n/a	R	R	R	R	R
TRU0115164_S16	South Africa	South Africa 4	ERR2515520	n/a	R	S	n/a	R	R	S	S	S
BR00088842_S24	South Africa	South Africa 2	ERR2515521	S	S	S	S	S	S	S	S	S
CE01938379_S1	South Africa	South Africa 3	ERR2515522	S	S	S	S	S	S	S	S	S
TH00083947_S19	South Africa	South Africa 2	ERR2515523	R	R	S	S	R	R	S	S	S
BD00678571_S1	South Africa	South Africa 4 (LAM)	ERR2515524	S	S	S	S	S	S	S	S	S
BK00082889_S23	South Africa	South Africa 4 (LAM)	ERR2515525	S	S	S	S	S	S	S	S	S
BF01445536_S20	South Africa	South Africa 3	ERR2515526	S	S	S	S	S	S	S	S	S
DG00630671_S24	South Africa	South Africa 2	ERR2515527	S	S	S	S	S	S	S	S	S
TRU0114671_S15	South Africa	South Africa 4	ERR2515528	n/a	R	R	n/a	R	R	U	F	F
BR00069990_S23	South Africa	South Africa 4 (LAM)	ERR2515529	S	S	S	S	S	S	S	S	S
TRLU113629_S18	South Africa	South Africa 2	ERR2515530	R	R	S	S	S	S	S	S	S
BF01355969_S29	South Africa	South Africa 4 (LAM)	ERR2515531	S	S	S	S	S	S	S	S	S
BK00083986_S22	South Africa	South Africa 2	ERR2515532	R	R	S	S	R	R	S	S	S
BF01492002_S17	South Africa	South Africa 4 (Haarlem)	ERR2515533	S	S	S	S	S	S	S	F	F
BD00633856_S5	South Africa	South Africa 2	ERR2515534	S	S	S	S	S	S	S	S	S
EI00649150_S31	South Africa	South Africa 4 (LAM)	ERR2515535	S	S	S	S	S	S	S	S	S
EF00222552_S26	South Africa	South Africa 4 (S-type)	ERR2515536	S	S	S	S	S	S	S	S	S
CEO1780342_S22	South Africa	South Africa 4 (Haarlem)	ERR2515537	S	S	S	S	S	S	S	S	S
BT00031496_S9	South Africa	South Africa 4 (Haarlem)	ERR2515538	S	S	S	S	S	S	S	S	S
TRLU079859_S29	South Africa	South Africa 2	ERR2515539	S	R	S	S	F	R	F	F	F
CE01925225_S30	South Africa	South Africa 4 (LAM)	ERR2515540	R	S	S	S	S	S	S	S	S
TRU0114500_S22	South Africa	South Africa 2	ERR2515541	n/a	R	R	n/a	R	R	R	R	R
P000214147_S2	South Africa	South Africa 4 (Haarlem)	ERR2515542	R	R	R	R	R	R	R	R	R
JC00276287_S3	South Africa	South Africa 4 (LAM)	ERR2515543	S	S	S	S	S	S	S	S	S
TRU0114650_S1	South Africa	South Africa 2	ERR2515544	n/a	R	R	n/a	R	R	R	R	R
DG00574983_S11	South Africa	South Africa 4	ERR2515545	S	S	S	S	U	S	S	S	S
TRLU0114820_S18	South Africa	South Africa 4 (X-type)	ERR2515546	n/a	R	R	n/a	R	R	R	R	R
CD00833444_S16	South Africa	South Africa 4 (LAM)	ERR2515547	S	S	S	S	S	S	S	S	S
BF01306090_S21	South Africa	South Africa 4 (Haarlem)	ERR2515548	S	S	S	S	S	S	S	S	S
BF01330871_S25	South Africa	South Africa 4 (S-type)	ERR2515549	S	S	S	S	S	S	S	S	S
CH00420625_S32	South Africa	South Africa 2	ERR2515550	S	S	S	S	S	S	S	S	S
ED00795304_S20	South Africa	South Africa 4 (Haarlem)	ERR2515551	S	S	S	S	S	S	S	S	S
PM00152727_S26	South Africa	South Africa 4 (X-type)	ERR2515552	R	R	S	R	R	R	R	R	U
CEO1938341_S25	South Africa	South Africa 4 (X-type)	ERR2515553	S	S	S	S	S	S	S	S	S
TRLU0113519_S20	South Africa	South Africa 4 (Haarlem)	ERR2515554	R	R	R	R	R	R	R	R	R
EN00017245_S19	South Africa	South Africa 3	ERR2515555	S	S	S	S	S	S	S	S	S
BD00703465_S6	South Africa	South Africa 2	ERR2515556	S	S	S	S	S	S	S	S	S
BF01344988_S15	South Africa	South Africa 1	ERR2515557	S	S	S	S	S	S	S	S	S
DH00593002_S28	South Africa	South Africa 2	ERR2515558	S	S	S	S	S	S	S	S	S
TRLU091794_S8	South Africa	South Africa 4 (X-type)	ERR2515559	R	R	S	S	R	R	R	R	S
TRU0115183_S17	South Africa	South Africa 4 (LAM)	ERR2515560	n/a	R	R	n/a	R	R	R	R	R
EF00227866_S23	South Africa	South Africa 2	ERR2515561	S	S	S	S	S	S	S	S	S
CD00962085_S15	South Africa	South Africa 4 (S-type)	ERR2515562	S	S	S	S	S	S	S	S	S
DH00752822_S27	South Africa	South Africa 4 (LAM)	ERR2515563	S	S	S	S	S	S	S	S	S
EI00718954_S6	South Africa	South Africa 3	ERR2515564	S	S	S	S	S	S	S	S	S
TRU0112980_S21	South Africa	South Africa 2	ERR2515565	S	R	S	S	S	R	S	S	S
BQ00025556_S7	South Africa	South Africa 4 (LAM)	ERR2515566	R	S	S	S	S	S	S	S	S
TRU0086437_S6	South Africa	South Africa 4 (LAM)	ERR2515567	R	R	R	R	R	R	R	R	R
TRLU0116230_S6	South Africa	South Africa 4 (X-type)	ERR2515568	n/a	R	R	n/a	R	R	R	R	R
BH00984858_S8	South Africa	South Africa 4	ERR2515569	S	S	S	S	S	S	S	S	S
BQ00029615_S20	South Africa	South Africa 2	ERR2515570	S	S	S	S	S	S	S	S	S
TRU0074450_S32	South Africa	South Africa 4 (LAM)	ERR2515571	S	R	S	S	S	F	S	S	S
CG01334682_S2	South Africa	South Africa 4 (LAM)	ERR2515572	S	S	S	S	S	S	S	S	S
TRLU022086_S15	South Africa	South Africa 4 (S-type)	ERR2515573	R	R	R	S	R	R	R	R	R
ED00874424_S22	South Africa	South Africa 4 (S-type)	ERR2515574	S	S	S	S	S	S	S	S	S
TRLU0115412_S22	South Africa	South Africa 4 (S-type)	ERR2515575	S	S	S	n/a	S	S	S	S	S
TRU0057671_S18	South Africa	South Africa 2	ERR2515576	R	R	S	R	R	R	S	S	S
UI00125495_S24	South Africa	South Africa 2	ERR2515577	R	R	R	R	R	R	R	R	R
BT00026048_S12	South Africa	South Africa 4 (LAM)	ERR2515578	S	S	S	S	S	S	S	S	S
BK00092684_S23	South Africa	South Africa 2	ERR2515579	S	S	S	S	S	S	S	S	S
CE01825534_S2	South Africa	South Africa 4 (Haarlem)	ERR2515580	S	S	S	S	S	S	S	S	S
BE01210097_S15	South Africa	South Africa 2	ERR2515581	S	S	S	S	S	S	S	S	S
DH00659000_S17	South Africa	South Africa 4 (LAM)	ERR2515582	S	S	S	S	S	S	S	S	S
TRLU0085451_S24	South Africa	South Africa 4 (Haarlem)	ERR2515583	R	R	n/a	R	R	R	R	R	R
TRU0115652_S40	South Africa	South Africa 2	ERR2515584	n/a	R	R	n/a	R	R	R	R	R
JA00214410_S4	South Africa	South Africa 4	ERR2515585	S	R	S	S	S	R	S	S	S
BF01114045_S1	South Africa	South Africa 4	ERR2515586	S	S	S	S	S	S	S	S	S
BK00082371_S21	South Africa	South Africa 2	ERR2515587	S	S	S	S	S	S	S	S	S
TRLU0114825_S19	South Africa	South Africa 4 (Haarlem)	ERR2515588	n/a	R	R	n/a	R	R	R	R	R
TRLU0115400_S13	South Africa	South Africa 2	ERR2515589	n/a	R	R	n/a	R	R	R	R	R
TRU0114583_S12	South Africa	South Africa 4 (Haarlem)	ERR2515590	n/a	R	R	n/a	R	R	R	R	R
TRU0114455_S23	South Africa	South Africa 2	ERR2515591	n/a	R	R	n/a	R	R	R	R	R
BR00077729_S24	South Africa	South Africa 2	ERR2515592	S	S	S	S	S	S	S	S	S
EF00234899_S31	South Africa	South Africa 4 (S-type)	ERR2515593	S	S	S	S	S	S	S	S	S
TRLU0115469_S6	South Africa	South Africa 4 (X-type)	ERR2515594	n/a	R	R	n/a	R	R	R	R	R
BH00815045_S6	South Africa	South Africa 4 (LAM)	ERR2515595	S	S	S	S	S	S	S	S	S
CG01628752_S1	South Africa	South Africa 4 (Haarlem)	ERR2515596	S	S	S	S	S	S	S	S	S
TRLU0115095_S12	South Africa	South Africa 4 (X-type)	ERR2515597	n/a	R	R	n/a	R	R	R	R	U
BK00078789_S16	South Africa	South Africa 4 (X-type)	ERR2515598	S	S	S	S	S	S	S	S	S
BF01506399_S20	South Africa	South Africa 4	ERR2515599	S	S	S	S	S	S	S	S	S
BK00082596_S22	South Africa	South Africa 2	ERR2515600	S	S	S	S	S	S	S	S	S
BFO1375032_S27	South Africa	South Africa 4	ERR2515601	S	S	S	S	S	S	S	S	S
BNO0034572_S2	South Africa	South Africa 2	ERR2515602	S	S	S	S	S	S	S	S	S
NDO0124877_S3	South Africa	South Africa 4	ERR251									

BT00033626_S19	South Africa	South Africa	ERR2515613	S	S	S	S	S	S	S	S	S	S
TRU0113465_56	South Africa	South Africa 4 (LAM)	ERR2515614	R	R	R	R	R	R	R	R	R	R
TRU0113483_57	South Africa	South Africa 4 (x-type)	ERR2515615	R	R	S	R	R	R	R	R	R	R
EI00712484_S16	South Africa	South Africa 4 (LAM)	ERR2515616	S	S	S	S	S	S	S	S	S	S
CG01595930_S6	South Africa	South Africa 2	ERR2515617	S	S	S	S	S	S	S	S	S	S
GH00377594_S8	South Africa	South Africa 4 (LAM)	ERR2515618	S	S	S	S	S	S	S	S	S	S
BF01178146_S9	South Africa	South Africa 2	ERR2515619	S	S	S	S	S	S	S	S	S	S
EF00237066_S21	South Africa	South Africa 4 (LAM)	ERR2515620	S	S	S	S	S	U	S	S	S	S
EF00266177_S19	South Africa	South Africa 4 (LAM)	ERR2515621	S	S	n/a	S	S	S	S	S	S	S
CE01705388_S30	South Africa	South Africa 4 (LAM)	ERR2515622	R	R	R	R	F	F	F	F	S	S
TRL0023983_S1	South Africa	South Africa 4 (Haarlem)	ERR2515623	S	R	S	S	R	R	S	S	S	S
FB00478424_S22	South Africa	South Africa 4 (Haarlem)	ERR2515624	S	S	S	S	S	S	S	S	S	S
BR00088729_S20	South Africa	South Africa 2	ERR2515625	S	S	S	S	S	S	S	S	S	S
CD00793787_S24	South Africa	South Africa 4 (S-type)	ERR2515626	S	S	S	S	S	S	S	S	S	S
DA00230689_S12	South Africa	South Africa 2	ERR2515627	S	S	S	S	S	S	S	S	S	S
TRU0113326_S2	South Africa	South Africa 4	ERR2515628	S	R	S	S	S	R	S	S	S	S
BF01498044_S30	South Africa	South Africa 4 (Tur)	ERR2515629	S	S	S	S	S	S	S	S	S	S
BE01493568_S4	South Africa	South Africa 4	ERR2515630	S	S	S	S	S	S	S	S	S	S
BD00717578_S19	South Africa	South Africa 2	ERR2515631	S	S	S	S	S	R	S	S	S	S
BK00090322_S27	South Africa	South Africa 4 (LAM)	ERR2515632	S	S	S	S	S	S	S	S	S	S
TRU0113579_S16	South Africa	South Africa 2	ERR2515633	R	R	S	S	R	R	R	R	S	S
TRU0113476_S5	South Africa	South Africa 4 (LAM)	ERR2515634	R	R	S	S	R	R	S	S	S	S
BT00031569_S11	South Africa	South Africa 4 (LAM)	ERR2515635	S	S	S	S	S	S	S	S	S	S
TRU0115027_S9	South Africa	South Africa 4 (S-type)	ERR2515636	n/a	R	R	n/a	R	R	R	R	U	S
BF01430245_S13	South Africa	South Africa 4 (S-type)	ERR2515637	R	R	S	S	R	R	R	R	S	S
DH00713165_S6	South Africa	South Africa 2	ERR2515638	S	S	S	S	S	S	S	S	S	S
BN00034196_S21	South Africa	South Africa 4 (LAM)	ERR2515639	S	S	S	S	S	S	S	S	S	S
TRU0115418_S17	South Africa	South Africa 4 (x-type)	ERR2515640	n/a	R	R	n/a	R	R	R	R	R	R
BF01527857_S10	South Africa	South Africa 2	ERR2515641	S	S	S	n/a	S	S	S	S	S	S
DH00571957_S27	South Africa	South Africa 4 (LAM)	ERR2515642	S	S	S	S	S	S	S	S	S	S
PL00048658_S9	South Africa	South Africa 1	ERR2515643	R	R	R	R	R	R	R	R	R	R
BF01176828_S8	South Africa	South Africa 2	ERR2515644	S	S	S	S	S	S	S	S	S	S
ON00035801_S6	South Africa	South Africa 4 (S-type)	ERR2515645	S	R	S	S	S	S	S	S	S	S
CE01896637_S15	South Africa	South Africa 4 (S-type)	ERR2515646	S	S	S	S	S	S	S	S	S	S
TRU0117085_S13	South Africa	South Africa 2	ERR2515647	n/a	R	S	n/a	F	R	S	S	S	S
PE00291237_S30	South Africa	South Africa 1	ERR2515648	R	R	R	S	R	R	R	R	R	R
BE01454196_S32	South Africa	South Africa 4 (LAM)	ERR2515649	S	S	S	S	S	S	S	S	S	S
TRU0110907_S30	South Africa	South Africa 2	ERR2515650	R	R	R	n/a	R	R	R	R	R	R
DG00529724_S18	South Africa	South Africa 4	ERR2515651	S	S	S	S	S	S	S	S	S	S
CE01634476_S1	South Africa	South Africa 4	ERR2515652	S	S	S	S	S	S	S	S	S	S
CG01433802_S32	South Africa	South Africa 2	ERR2515653	S	S	S	S	S	S	S	S	S	S
BK00092406_S1	South Africa	South Africa 2	ERR2515654	S	S	S	S	S	S	S	S	S	S
BR00089840_S22	South Africa	South Africa 2	ERR2515655	S	S	S	S	S	S	S	S	S	S
CE01825542_S10	South Africa	South Africa 2	ERR2515656	S	S	S	S	S	S	S	S	S	S
BD00717563_S18	South Africa	South Africa 2	ERR2515657	S	S	S	S	S	S	F	S	S	S
TRU0114836_S8	South Africa	South Africa 2	ERR2515658	n/a	R	R	n/a	R	R	R	R	R	R
EI00661002_S11	South Africa	South Africa 4 (LAM)	ERR2515659	S	S	S	S	S	S	S	S	S	S
TRU0114666_S11	South Africa	South Africa 2	ERR2515660	n/a	R	R	n/a	R	R	R	R	R	U
KG00082202_S6	South Africa	South Africa 2	ERR2515661	S	R	S	S	R	R	S	S	S	S
BE01453084_S18	South Africa	South Africa 2	ERR2515662	S	S	S	R	S	S	S	S	S	R
O000095615_S5	South Africa	South Africa 4 (x-type)	ERR2515663	R	R	S	S	U	R	S	S	S	S
TRU0107371_S31	South Africa	South Africa 4 (LAM)	ERR2515664	R	R	S	R	R	R	R	R	U	S
ED00890569_S24	South Africa	South Africa 4 (LAM)	ERR2515665	S	S	S	S	S	S	F	S	S	S
QE00093878_S13	South Africa	South Africa 4 (LAM)	ERR2515666	R	R	S	S	R	R	S	S	S	S
TRU0115006_S7	South Africa	South Africa 4 (Haarlem)	ERR2515667	n/a	R	R	n/a	R	R	R	R	R	R
DH00749851_S26	South Africa	South Africa 4	ERR2515668	S	S	S	S	S	S	S	S	S	S
BQ00024961_S9	South Africa	South Africa 4 (LAM)	ERR2515669	S	n/a	S	S	S	S	S	S	S	S
QF00383820_S1	South Africa	South Africa 4 (x-type)	ERR2515670	S	R	S	S	U	R	S	S	S	S
BF01522217_S16	South Africa	South Africa 4 (Haarlem)	ERR2515671	S	S	S	S	S	S	S	S	S	S
BF01497981_S12	South Africa	South Africa 2	ERR2515672	S	S	S	S	S	S	S	S	S	S
CE01678834_S30	South Africa	South Africa 2	ERR2515673	S	S	S	S	S	S	S	S	S	S
OC00061697_S7	South Africa	South Africa 4 (S-type)	ERR2515674	S	R	S	S	S	S	R	S	S	S
BF01175381_S6	South Africa	South Africa 4 (S-type)	ERR2515675	S	S	S	S	S	S	S	S	S	S
BT00027013_S3	South Africa	South Africa 4 (LAM)	ERR2515676	S	S	S	S	S	S	S	S	S	S
DH00680828_S12	South Africa	South Africa 2	ERR2515677	R	R	S	S	R	R	R	R	S	S
BE01468444_S32	South Africa	South Africa 2	ERR2515678	S	S	S	S	S	S	S	S	S	S
JG00406558_S5	South Africa	South Africa 4 (LAM)	ERR2515679	S	S	S	S	S	S	S	S	S	S
EB00198607_S8	South Africa	South Africa 2	ERR2515680	S	S	S	S	S	S	S	S	S	S
CH00388401_S12	South Africa	South Africa 2	ERR2515681	S	S	S	S	S	S	S	S	S	S
TRU0113061_S24	South Africa	South Africa 4 (LAM)	ERR2515682	R	R	R	R	R	R	R	R	R	R
EB00160449_S28	South Africa	South Africa 3	ERR2515683	S	S	S	S	S	S	R	S	S	S
TRU0078924_S15	South Africa	South Africa 2	ERR2515684	R	R	R	R	R	R	R	R	R	R
BK00075150_S6	South Africa	South Africa 4 (S-type)	ERR2515685	S	S	S	S	S	S	S	S	S	S
PD00160471_S10	South Africa	South Africa 2	ERR2515686	S	R	S	S	S	R	S	S	S	S
FB00525549_S16	South Africa	South Africa 4 (LAM)	ERR2515687	S	S	S	S	R	S	S	S	S	S
ED00795230_S19	South Africa	South Africa 2	ERR2515688	S	S	S	S	S	S	S	S	S	S
CE01912219_S14	South Africa	South Africa 4 (S-type)	ERR2515689	S	S	S	S	S	S	S	S	S	S
BF01475106_S3	South Africa	South Africa 3	ERR2515690	S	S	S	S	S	S	S	U	S	S
JD00128975_S5	South Africa	South Africa 3	ERR2515691	R	R	S	S	R	R	R	S	S	S
ED00868722_S21	South Africa	South Africa 2	ERR2515692	S	S	S	S	S	S	S	S	S	S
CE01476125_S3	South Africa	South Africa 4 (Haarlem)	ERR2515693	S	S	S	S	S	S	S	S	S	S
BF01310182_S29	South Africa	South Africa 4	ERR2515694	S	S	S	S	S	S	S	S	S	S
BF01099205_S27	South Africa	South Africa 2	ERR2515695	S	S	S	S	S	S	S	S	S	S
FD00221831_S1	South Africa	South Africa 3	ERR2515696	S	S	S	S	S	S	S	S	S	S
OS00120403_S3	South Africa	South Africa 4 (Haarlem)	ERR2515697	S	R	S	S	S	S	S	S	S	S
BQ00028721_S5	South Africa	South Africa 4	ERR2515698	S	S	S	S	S	S	S	S	S	S
BN00045763_S11	South Africa	South Africa 4	ERR2515699	S	S	S	S	S	S	S	U	S	S
BF01454611_S20	South Africa	South Africa 2	ERR2515700	S	S	S	S	S	S	S	S	S	S
KD00166042_S9	South Africa	South Africa 2	ERR2515701	S	R	S	S	S	S	S	S	S	S
CE01400812_S28	South Africa	South Africa 4 (LAM)	ERR2515702	S	S	S	S	S	S	S	S	S	S
TRU0055385_S29	South Africa	South Africa 2	ERR2515703	R	S	S	S	R	S	S	S	S	S
BD00734082_S7	South Africa	South Africa 4 (LAM)	ERR2515704	S	S	n/a	S	S	F	S	S	S	
TRU0113572_S11	South Africa	South Africa 2	ERR2515705	R	R	S	R	R	R	R	R	U	
DA00304169_S13	South Africa	South Africa 2	ERR2515706	S	S	S	S	S	S	S	S	S	S
EF00236514_S32	South Africa	South Africa 2	ERR2515707	S	S	S	S	S	S	S	S	S	S
TRU0114153_S9	South Africa	South Africa 2	ERR2515708	n/a	R	S	n/a	R	R	R	S	R	R
TRU0063310_S32	South Africa	South Africa 4 (LAM)	ERR2515709	S	S	S	S	S	S	S	S	S	S
TRU0114786_S17	South Africa	South Africa 2	ERR2515710	n/a	S	S	n/a	S	R	S	S	S	S
TRU0095023_S9	South Africa	South Africa 4 (Haarlem)	ERR2515711	R	R	S	S	R	R	U	S	S	S
BT00030778_S26	South Africa	South Africa 4 (LAM)	ERR2515712	S	S	S	S	S	S	S	S	S	S
BH00849239_S10	South Africa	South Africa 4	ERR2515713	R	R	S	R	R	R	R	R	R	R
DH00653411_S32	South Africa	South Africa 4 (LAM)	ERR2515714	R	S	S	S	S	S	S	S	S	S
DG00678506_S30	South Africa	South Africa 4 (LAM)	ERR2515715	S	S	S	S	S	S	S	S	S	S
BE01233785_S17	South Africa	South Africa 2	ERR2515716	S	S	S	S	S	S	S	S	S	S
BQ00025602_S8	South Africa	South Africa 1	ERR2515717	R	S	S	S	S	S	S	S	U	S
GH00357231_S5	South Africa	South Africa 4 (S-type)	ERR2515718	S	S	S	S	S	S	S	S	S	S
TRU0115707_S20	South Africa	South Africa 2	ERR2515719	n/a	R	R	n/a	R	R	R	R	R	U
VG00075803_S1	South Africa</												

TRL0116263_S21	South Africa	South Africa 2	ERR2515735	R	R	R	R	R	R	R	R
E00623324_S27	South Africa	South Africa 3	ERR2515736	S	S	S	S	S	S	S	S
TRL0065126_S26	South Africa	South Africa 4 (LAM)	ERR2515737	R	R	S	S	S	S	S	S
NE0009515_S4	South Africa	South Africa 2	ERR2515738	S	R	S	S	S	R	S	S
TRL0115420_S14	South Africa	South Africa 4 (Haarlem)	ERR2515739	n/a	R	R	n/a	R	R	R	R
CDO0862502_S27	South Africa	South Africa 2	ERR2515740	R	R	R	R	R	R	R	R
BF01042458_S3	South Africa	South Africa 2	ERR2515741	S	S	S	S	S	S	S	S
CG01601252_S21	South Africa	South Africa 4 (LAM)	ERR2515742	S	S	S	S	S	S	S	S
TRL0115591_S16	South Africa	South Africa 4 (LAM)	ERR2515743	n/a	R	R	n/a	R	R	R	R
UH00236601_S7	South Africa	South Africa 3	ERR2515744	S	S	S	S	S	S	S	S
OBO0122369_S4	South Africa	South Africa 2	ERR2515745	R	R	S	S	R	R	S	S
EF00278139_S16	South Africa	South Africa 2	ERR2515746	S	S	S	S	n/a	S	S	S
TRL0115834_S6	South Africa	South Africa 4 (X-type)	ERR2515747	n/a	R	R	n/a	S	R	S	S
IG00225783_S4	South Africa	South Africa 4	ERR2515748	R	R	S	S	R	R	S	S
TRL0113626_S15	South Africa	South Africa 1	ERR2515749	R	R	R	S	R	R	R	R
BFO1381844_S3	South Africa	South Africa 2	ERR2515750	S	S	S	S	S	S	S	S
CE01678827_S24	South Africa	South Africa 2	ERR2515751	R	R	S	S	R	R	S	S
DH00600299_S32	South Africa	South Africa 4 (Haarlem)	ERR2515752	S	S	S	S	S	S	S	S
BF01311721_S24	South Africa	South Africa 2	ERR2515753	S	S	S	S	S	S	S	S
TRL0114343_S22	South Africa	South Africa 4 (LAM)	ERR2515754	n/a	R	R	n/a	R	R	R	R
TRL0112306_S9	South Africa	South Africa 4 (S-type)	ERR2515755	S	S	S	S	S	S	S	S
TRL0115322_S20	South Africa	South Africa 4	ERR2515756	n/a	R	R	n/a	R	R	R	R
BDO0708969_S4	South Africa	South Africa 4 (S-type)	ERR2515757	S	S	S	S	S	S	S	S
UH00100518_S14	South Africa	South Africa 2	ERR2515758	R	R	R	R	R	R	R	U
TRL0113166_S24	South Africa	South Africa 4 (LAM)	ERR2515759	R	R	S	R	R	R	S	R
BFO1330899_S29	South Africa	South Africa 1	ERR2515760	S	S	S	S	S	S	S	U
TRL0061144_S30	South Africa	South Africa 2	ERR2515761	R	S	S	S	S	S	S	S
BFO1080700_S10	South Africa	South Africa 4 (Haarlem)	ERR2515762	S	S	S	S	S	S	S	S
JC00272049_S2	South Africa	South Africa 4	ERR2515763	S	S	S	S	S	S	S	S
JAO0213685_S2	South Africa	South Africa 4	ERR2515764	S	S	S	S	S	S	S	S
BE01215199_S16	South Africa	South Africa 4 (S-type)	ERR2515765	S	S	S	S	S	S	S	U
BFO1179984_S11	South Africa	South Africa 2	ERR2515766	S	S	S	S	S	S	S	S
DH00682387_S12	South Africa	South Africa 2	ERR2515767	S	S	S	S	S	R	S	S
TRL0116843_S10	South Africa	South Africa 2	ERR2515768	n/a	R	R	n/a	R	R	R	R
EB00195736_S15	South Africa	South Africa 2	ERR2515769	S	S	S	S	S	S	S	S
CDO0854301_S27	South Africa	South Africa 2	ERR2515770	S	S	S	S	S	S	S	S
BDO0678560_S29	South Africa	South Africa 2	ERR2515771	S	S	S	S	S	S	S	S
BFO1491990_S22	South Africa	South Africa 3	ERR2515772	S	S	S	S	S	S	S	S
EI00684928_S20	South Africa	South Africa 4 (Haarlem)	ERR2515773	S	S	S	S	S	S	S	S
TRL0037452_S11	South Africa	South Africa 4 (S-type)	ERR2515774	S	R	S	S	S	S	S	S
EI00664001_S14	South Africa	South Africa 4 (Haarlem)	ERR2515775	S	S	S	S	S	S	S	S
TRL0114680_S2	South Africa	South Africa 4 (LAM)	ERR2515776	n/a	R	R	n/a	R	R	R	R
PA00070896_S17	South Africa	South Africa 1	ERR2515777	R	R	R	R	R	R	R	R
DG00571046_S13	South Africa	South Africa 2	ERR2515778	S	S	S	S	S	S	S	S
CE01938178_S20	South Africa	South Africa 2	ERR2515779	S	S	S	S	S	S	S	S
DH00679710_S1	South Africa	South Africa 2	ERR2515780	S	S	S	S	S	S	S	S
TRL0105148_S3	South Africa	South Africa 4	ERR2515781	S	R	S	S	R	R	S	S
BR0075466_S15	South Africa	South Africa 4 (LAM)	ERR2515782	S	S	S	S	S	S	S	S
DG00589683_S23	South Africa	South Africa 4	ERR2515783	S	S	S	S	S	S	S	S
BK00079405_S17	South Africa	South Africa 2	ERR2515784	S	S	S	S	S	S	S	S
EI00681447_S8	South Africa	South Africa 2	ERR2515785	S	S	S	S	S	S	S	S
BR00099466_S2	South Africa	South Africa 2	ERR2515786	S	S	S	S	S	S	S	S
BK00092677_S4	South Africa	South Africa 4 (LAM)	ERR2515787	S	S	S	S	F	S	S	S
BFO1192128_S30	South Africa	South Africa 4	ERR2515788	S	S	S	S	S	S	S	S
TRL0116084_S13	South Africa	South Africa 2	ERR2515789	n/a	R	R	n/a	U	R	S	S
CDO0793789_S24	South Africa	South Africa 2	ERR2515790	S	S	S	S	S	S	S	F
RI00284466_S16	South Africa	South Africa 4 (X-type)	ERR2515791	S	S	S	S	S	S	S	S
DH00743562_S11	South Africa	South Africa 4 (LAM)	ERR2515792	S	S	S	S	S	S	S	S
DA00256304_S13	South Africa	South Africa 2	ERR2515793	R	S	S	S	F	S	S	S
TRL0114661_S13	South Africa	South Africa 4 (X-type)	ERR2515794	n/a	R	R	n/a	R	R	U	S
BDO0610612_S1	South Africa	South Africa 4 (LAM)	ERR2515795	S	S	S	S	S	S	S	S
DH00730364_S4	South Africa	South Africa 4 (LAM)	ERR2515796	S	S	S	S	S	S	S	S
TRL0114831_S1	South Africa	South Africa 4 (LAM)	ERR2515797	n/a	R	R	n/a	R	R	R	R
TRL0113702_S19	South Africa	South Africa 1	ERR2515798	R	R	R	R	R	R	R	R
BFO1315327_S26	South Africa	South Africa 2	ERR2515799	S	S	S	S	S	S	S	S
BF01135051_S31	South Africa	South Africa 4 (LAM)	ERR2515800	S	S	S	S	S	S	S	S
QH00194828_S9	South Africa	South Africa 4 (LAM)	ERR2515801	R	R	S	S	R	R	S	U
TRL0114477_S10	South Africa	South Africa 1	ERR2515802	n/a	R	R	n/a	R	R	R	R
CGO1771594_S24	South Africa	South Africa 2	ERR2515803	S	S	S	S	S	S	S	S
FD00253167_S20	South Africa	South Africa 4	ERR2515804	S	S	S	S	F	S	F	S
BT00031585_S12	South Africa	South Africa 2	ERR2515805	S	S	S	S	S	S	S	S
TRL0115659_S4	South Africa	South Africa 4 (X-type)	ERR2515806	S	S	S	S	n/a	S	S	S
BFO114065_S29	South Africa	South Africa 2	ERR2515807	S	S	S	S	F	S	S	S
BT00025770_S31	South Africa	South Africa 4 (LAM)	ERR2515808	S	S	S	S	S	S	S	U
CE01540942_S41	South Africa	South Africa 4 (Tur)	ERR2515809	S	S	S	S	S	S	S	S
TRL0114480_S11	South Africa	South Africa 2	ERR2515810	n/a	R	R	n/a	R	R	R	R
CF01611555_S31	South Africa	South Africa 2	ERR2515811	S	S	S	S	S	S	S	S
TRL0115445_S4	South Africa	South Africa 2	ERR2515812	n/a	R	S	n/a	S	R	S	S
EBO0197215_S29	South Africa	South Africa 4 (LAM)	ERR2515813	S	S	S	S	S	S	S	S
BFO1473247_S18	South Africa	South Africa 4 (S-type)	ERR2515814	S	S	S	S	S	S	S	S
PM00233485_S12	South Africa	South Africa 2	ERR2515815	S	S	S	S	S	S	S	S
ED00943149_S23	South Africa	South Africa 2	ERR2515816	S	S	S	S	S	S	S	U
BFO1503171_S19	South Africa	South Africa 4 (Haarlem)	ERR2515817	S	S	S	S	S	S	S	S
CF01632305_S30	South Africa	South Africa 4 (LAM)	ERR2515818	S	S	S	S	S	S	S	S
CD00789886_S20	South Africa	South Africa 4 (S-type)	ERR2515819	S	S	S	S	S	S	S	S
GH00382137_S24	South Africa	South Africa 4	ERR2515820	S	S	S	S	S	S	S	S
CH00361136_S9	South Africa	South Africa 4 (LAM)	ERR2515821	S	S	S	S	S	S	S	S
GH00353950_S29	South Africa	South Africa 4 (S-type)	ERR2515822	S	S	S	S	S	S	S	S
BR0088636_S3	South Africa	South Africa 2	ERR2515823	S	S	S	S	S	S	S	F
BFO1375020_S28	South Africa	South Africa 4 (LAM)	ERR2515824	S	S	S	S	S	S	S	S
BFO1428659_S30	South Africa	South Africa 4 (S-type)	ERR2515825	S	S	S	S	S	S	S	S
TRL0115096_S13	South Africa	South Africa 4 (X-type)	ERR2515826	n/a	R	R	n/a	R	R	R	U
DA00307287_S20	South Africa	South Africa 4 (S-type)	ERR2515827	S	S	S	S	S	S	S	S
CG01490105_S17	South Africa	South Africa 2	ERR2515828	S	S	S	S	S	S	S	S
DA00304536_S14	South Africa	South Africa 2	ERR2515829	S	S	S	S	S	S	S	S
BE01478470_S22	South Africa	South Africa 4	ERR2515830	S	S	S	S	S	S	S	S
DH00649810_S10	South Africa	South Africa 2	ERR2515831	S	S	S	S	S	S	S	F
BT00026180_S25	South Africa	South Africa 4 (X-type)	ERR2515832	S	S	S	S	S	S	S	S
TRL0114774_S16	South Africa	South Africa 2	ERR2515833	n/a	R	R	n/a	R	R	R	R
BK00092078_S32	South Africa	South Africa 4 (S-type)	ERR2515834	R	n/a	R	n/a	R	R	S	S
TRL0115669_S18	South Africa	South Africa 2	ERR2515835	n/a	R	R	n/a	R	R	R	R
FD00247663_S28	South Africa	South Africa 4	ERR2515836	S	S	S	S	S	S	S	S
BQ00027337_S11	South Africa	South Africa 4 (S-type)	ERR2515837	R	S	S	n/a	R	S	S	U
DH00618155_S28	South Africa	South Africa 4 (Haarlem)	ERR2515838	S	S	S	S	S	S	S	S
TRL0114962_S4	South Africa	South Africa 2	ERR2515839	n/a	R	R	n/a	R	R	R	R
BT00031791_S14	South Africa	South Africa 4 (S-type)	ERR2515840	S	S	S	S	S	S	S	S
CG01593846_S4	South Africa	South Africa 2	ERR2515841	S	S	S	S	S	S	S	S
DG00561814_S22	South Africa	South Africa 4 (LAM)	ERR2515842	R	S	S	S	R	S	S	S
DH00741562_S29	South Africa	South Africa 4	ERR2515843	S	S	S	S	S	S	S	S
BFO1421069_S15	South Africa	South Africa 4 (LAM)	ERR2515844	S	S	S	S	S	S	S	S
CE01772649_S13	South Africa	South Africa 2	ERR2515845	R	S	S	S	S	S	S	S
BT00028618_S17	South Africa	South Africa 3	ERR2515846	S	S	S	S	S	S	S	S
BN00034640_S29	South Africa	South Africa 4 (Haarlem)	ERR2515847	S	S	S	S	S	S	S	S
BD00703460_S15	South Africa	South Africa 2	ERR2515848	S	S	S	S	S	S	S	F
BQ00029771_S27	South Africa	South Africa 4 (LAM)	ERR2515849	S	S	S	S	S	S	S	S
BFO1330971_S12	South Africa	South Africa 4 (X-type)	ERR2515850	S	S	S	S	S	S	S	U
PL00097805_S26	South Africa	South Africa 4 (LAM)	ERR2515851	R	R	S	S	R	R	S	S
EI00623322_S7	South Africa	South Africa 4	ERR2515852	R	S	S	S	S	U	S	S
CH00387331_S11	South Africa	South Africa 3	ERR2515853	S	S	S	S	S	S	S	S
BK00081000_S18	South Africa	South Africa 2	ERR2515854	S	S	S	S	S	S	F	S
BD00678576_S22	South Africa	South Africa 4 (LAM)	ERR2515855	S	S	S	S	S	S	S	S
PQ00209791_S11	South Africa	South Africa 4 (Haarlem)	ERR2515856	S	R	S	S	S	S	R	S

TRL0060765_S13	South Africa	South Africa 4 (S-type)	ERR2515857	S	R	S	S	S	R	S	S	S
DH00634083_S30	South Africa	South Africa 2	ERR2515858	R	S	S	S	R	R	S	S	S
PS00217691_S10	South Africa	South Africa 4 (LAM)	ERR2515859	R	R	S	S	R	R	S	S	S
TRL0115383_S15	South Africa	South Africa 2	ERR2515860	n/a	R	S	n/a	F	R	U	S	S
BT00029097_S19	South Africa	South Africa 4 (Haarlem)	ERR2515861	S	S	S	S	S	S	S	S	S
DH00680833_S20	South Africa	South Africa 2	ERR2515862	S	S	S	S	S	S	S	S	S
BF01202447_S12	South Africa	South Africa 4	ERR2515863	S	S	S	S	S	S	S	S	S
TRU0114616_S24	South Africa	South Africa 2	ERR2515864	n/a	R	R	n/a	R	R	R	R	R
GH00363341_S30	South Africa	South Africa 4	ERR2515865	S	S	S	S	S	S	S	S	S
CH00341127_S8	South Africa	South Africa 4 (LAM)	ERR2515866	S	S	S	S	S	S	S	S	S
TRL0114833_S12	South Africa	South Africa 2	ERR2515867	n/a	R	R	n/a	R	R	R	R	R
QE00098167_S8	South Africa	South Africa 4 (X-type)	ERR2515868	R	R	S	S	R	R	U	S	S
CH00420650_S30	South Africa	South Africa 4 (LAM)	ERR2515869	S	S	S	S	S	S	S	S	S
JG00406968_S6	South Africa	South Africa 4 (X-type)	ERR2515870	S	S	S	S	S	S	S	S	S
BN00037979_S5	South Africa	South Africa 2	ERR2515871	S	S	S	S	S	S	S	S	S
TRU0115868_S7	South Africa	South Africa 4 (X-type)	ERR2515872	n/a	S	R	n/a	R	R	R	U	S
BH00946140_S18	South Africa	South Africa 2	ERR2515873	S	S	S	S	S	S	S	S	S
TRL0103669_S13	South Africa	South Africa 2	ERR2515874	R	R	S	S	R	R	S	S	S
BK00079668_S19	South Africa	South Africa 4 (LAM)	ERR2515875	S	S	S	S	S	S	S	S	S
BF01355975_S30	South Africa	South Africa 4 (X-type)	ERR2515876	S	S	S	S	S	S	S	S	S
BQ00030933_S4	South Africa	South Africa 4 (LAM)	ERR2515877	S	S	S	S	S	S	S	S	S
TRU0116109_S14	South Africa	South Africa 1	ERR2515878	n/a	S	S	n/a	S	S	S	S	S
BH00794082_S26	South Africa	South Africa 4 (S-type)	ERR2515879	S	S	S	S	S	S	S	S	S
BT00033627_S20	South Africa	South Africa 4	ERR2515880	S	S	S	S	S	F	S	S	S
BR00096736_S27	South Africa	South Africa 4 (X-type)	ERR2515881	R	R	S	S	R	R	S	S	S
TRL0065056_S25	South Africa	South Africa 4 (LAM)	ERR2515882	S	R	S	S	S	S	S	S	S
EI00666607_S29	South Africa	South Africa 3	ERR2515883	S	S	S	S	F	S	S	F	S
BQ00027771_S12	South Africa	South Africa 2	ERR2515884	S	S	S	S	S	S	S	S	S
DA00306193_S14	South Africa	South Africa 2	ERR2515885	S	S	S	S	S	S	S	S	S
BE01379864_S15	South Africa	South Africa 2	ERR2515886	S	S	S	S	S	S	S	S	S
BF01274561_S17	South Africa	South Africa 2	ERR2515887	S	S	S	S	S	S	S	S	S
BD00629308_S32	South Africa	South Africa 2	ERR2515888	S	S	S	S	S	S	S	S	S
ED00909054_S12	South Africa	South Africa 4 (LAM)	ERR2515889	S	S	S	S	S	S	S	S	S
TRU0066006_S26	South Africa	South Africa 4 (X-type)	ERR2515890	S	R	S	S	S	S	S	S	S
DH006505289_S27	South Africa	South Africa 4 (LAM)	ERR2515891	S	S	S	S	S	S	S	S	S
BF01355978_S31	South Africa	South Africa 4 (Haarlem)	ERR2515892	S	S	S	S	S	S	S	S	S
DH00680829_S13	South Africa	South Africa 4 (LAM)	ERR2515893	R	S	S	S	S	S	S	S	S
BN00045767_S7	South Africa	South Africa 2	ERR2515894	S	S	S	S	S	S	S	S	S
GH00373073_S9	South Africa	South Africa 4 (LAM)	ERR2515895	S	S	S	S	S	S	S	S	S
BF01175378_S5	South Africa	South Africa 4 (Haarlem)	ERR2515896	S	S	S	S	S	S	S	S	S
BT00029901_S26	South Africa	South Africa 4 (S-type)	ERR2515897	S	S	S	S	S	S	S	S	S
TRL0115581_S15	South Africa	South Africa 2	ERR2515898	n/a	R	R	n/a	R	R	R	R	S
DH00625221_S26	South Africa	South Africa 4 (S-type)	ERR2515899	S	S	S	S	S	S	U	S	S
JG00432562_S9	South Africa	South Africa 4	ERR2515900	S	S	S	S	S	S	S	S	S
CD00970213_S4	South Africa	South Africa 2	ERR2515901	S	S	S	S	S	S	S	S	S
DG00618197_S25	South Africa	South Africa 2	ERR2515902	S	S	S	S	S	S	S	S	S
TRL0112877_S20	South Africa	South Africa 4 (LAM)	ERR2515903	R	R	S	R	R	R	S	R	R
GH00389342_S1	South Africa	South Africa 2	ERR2515904	S	S	S	S	S	S	S	S	S
CG0154911_S5	South Africa	South Africa 4 (LAM)	ERR2515905	S	S	S	S	S	S	S	S	S
BK00088728_S25	South Africa	South Africa 4 (LAM)	ERR2515906	S	S	S	S	S	S	S	S	S
GH00350830_S17	South Africa	South Africa 4 (LAM)	ERR2515907	S	R	S	S	S	R	S	S	S
BF01483411_S2	South Africa	South Africa 4 (LAM)	ERR2515908	S	S	S	S	S	S	S	S	S
WG00050823_S8	South Africa	South Africa 4 (S-type)	ERR2515909	S	S	S	S	S	S	S	S	S
TRL0114792_S4	South Africa	South Africa 2	ERR2515910	n/a	R	R	n/a	R	R	R	R	R
TRU0116715_S9	South Africa	South Africa 2	ERR2515911	S	R	S	n/a	S	R	S	S	S
BH00824877_S8	South Africa	South Africa 4 (X-type)	ERR2515912	S	S	S	S	S	S	S	S	S
EF00280850_S29	South Africa	South Africa 2	ERR2515913	S	S	S	S	S	S	S	S	S
EI00660938_S25	South Africa	South Africa 4	ERR2515914	S	S	S	S	S	S	S	S	S
TRU0113671_S18	South Africa	South Africa 4 (LAM)	ERR2515915	S	R	S	S	S	R	S	S	S
CG0179230_S31	South Africa	South Africa 4 (LAM)	ERR2515916	S	S	S	S	S	S	S	S	S
PK00599668_S16	South Africa	South Africa 4 (LAM)	ERR2515917	R	R	R	S	R	R	R	R	S
TRU0116115_S15	South Africa	South Africa 4 (LAM)	ERR2515918	n/a	S	S	n/a	S	S	S	S	S
BK00093448_S32	South Africa	South Africa 4 (LAM)	ERR2515919	S	S	S	S	S	S	S	S	S
TRU0114658_S14	South Africa	South Africa 2	ERR2515920	n/a	R	R	n/a	R	R	R	R	R
BF01310203_S13	South Africa	South Africa 4	ERR2515921	S	S	S	S	S	S	S	S	S
BF01318054_S23	South Africa	South Africa 4 (S-type)	ERR2515922	S	S	S	S	S	S	S	S	S
BF01196907_S14	South Africa	South Africa 4 (LAM)	ERR2515923	S	S	S	S	S	S	S	S	S
TRL0115030_S10	South Africa	South Africa 4 (LAM)	ERR2515924	n/a	R	R	n/a	R	R	R	R	R
BE01207626_S14	South Africa	South Africa 2	ERR2515925	S	S	S	S	S	S	S	S	S
TRL0115633_S3	South Africa	South Africa 4	ERR2515926	n/a	R	R	n/a	R	R	R	R	U
BF01216702_S16	South Africa	South Africa 4 (LAM)	ERR2515927	S	S	S	S	S	S	S	S	S
GH00389343_S18	South Africa	South Africa 4	ERR2515928	S	S	S	S	S	S	S	S	S
DG00530312_S20	South Africa	South Africa 4	ERR2515929	S	S	S	S	S	S	S	S	S
BD00409007_S5	South Africa	South Africa 2	ERR2515930	S	S	S	S	S	S	S	S	S
TRU0116726_S16	South Africa	South Africa 4	ERR2515931	R	R	S	n/a	R	F	S	S	S
DH00634109_S16	South Africa	South Africa 4 (LAM)	ERR2515932	S	S	S	S	S	S	S	S	S
TRL0113569_S45	South Africa	South Africa 2	ERR2515933	R	R	R	R	R	R	R	R	R
TRU0113098_S23	South Africa	South Africa 4 (S-type)	ERR2515934	R	R	R	S	R	R	R	R	S
BDD0703455_S16	South Africa	South Africa 2	ERR2515935	S	S	S	S	S	S	S	S	S
PE00190349_S18	South Africa	South Africa 4 (LAM)	ERR2515936	R	R	R	S	R	R	R	R	R
TRU0056535_S30	South Africa	South Africa 4 (Haarlem)	ERR2515937	R	R	R	S	R	R	U	R	S
TRU0112827_S19	South Africa	South Africa 4 (LAM)	ERR2515938	R	R	S	S	R	R	S	S	S
BE01487154_S24	South Africa	South Africa 4 (LAM)	ERR2515939	S	S	S	S	S	S	S	S	S
BD00514520_S1	South Africa	South Africa 2	ERR2515940	S	S	S	S	S	S	S	S	S
BE01100694_S7	South Africa	South Africa 4 (LAM)	ERR2515941	S	S	S	S	S	S	S	S	S
BE01141152_S9	South Africa	South Africa 2	ERR2515942	S	S	S	S	S	S	S	S	S
BF01492006_S20	South Africa	South Africa 2	ERR2515943	S	S	S	S	n/a	S	S	S	S
BE01371373_S21	South Africa	South Africa 4	ERR2515944	S	S	S	S	S	S	S	S	S
DG00611914_S7	South Africa	South Africa 3	ERR2515945	S	S	R	S	S	S	S	S	S
BH00040586_S18	South Africa	South Africa 2	ERR2515946	S	S	S	S	S	S	S	S	S
TRL0113569_S45	South Africa	South Africa 2	ERR2515947	S	S	S	S	S	S	S	S	S
TRU0113098_S23	South Africa	South Africa 4 (LAM)	ERR2515948	R	R	R	R	R	R	R	R	R
RF00127752_S27	South Africa	South Africa 2	ERR2515949	R	R	R	S	R	R	R	R	S
TRU0109157_S20	South Africa	South Africa 4	ERR2515950	R	R	R	S	R	R	R	R	U
JG00224441_S4	South Africa	South Africa 4 (LAM)	ERR2515951	S	S	S	S	S	S	S	S	S
DH00625230_S28	South Africa	South Africa 4 (S-type)	ERR2515952	R	R	S	R	R	R	R	R	R
TRU0113005_S21	South Africa	South Africa 4	ERR2515953	S	S	S	S	S	S	S	S	S
BH00794084_SS	South Africa	South Africa 4 (S-type)	ERR2515954	S	S	S	S	S	F	S	S	S
CE01538627_S9	South Africa	South Africa 4 (LAM)	ERR2515955	S	S	S	S	S	S	S	S	S
BE01314329_S19	South Africa	South Africa 4 (LAM)	ERR2515955	S	S	S	S	S	S	S	S	S
EI00664567_S21	South Africa	South Africa 4 (LAM)	ERR2515956	R	R	S	S	R	R	S	S	S
BE01284388_S18	South Africa	South Africa 4	ERR2515957	S	S	R	S	R	S	S	S	S
BK00079216_S7	South Africa	South Africa 4 (S-type)	ERR2515958	S	S	S	S	S	S	U	S	S
BF01178152_S11	South Africa	South Africa 4 (S-type)	ERR2515959	S	S	S	S	S	S	S	S	S
BK00091915_S29	South Africa	South Africa 4 (LAM)	ERR2515960	S	S	S	S	S	S	S	S	S
OC00001135_S5	South Africa	South Africa 4 (X-type)	ERR2515961	S	S	S	S	S	S	S	S	S
PK00685617_S23	South Africa	South Africa 1	ERR2515962	R	R	R	S	R	R	R	R	R
TRL0105138_S19	South Africa	South Africa 2	ERR2515963	S	S	S	S	S	S	S	S	S
CG01388002_S15	South Africa	South Africa 4 (LAM)	ERR2515964	S	S	S	S	S	S	S	S	S
TRU0115197_S15	South Africa	South Africa 2	ERR2515965	n/a	R	R	n/a	R	R	R	R	R
CE01907630_S9	South Africa	South Africa 4 (S-type)	ERR2515966	S	S	S	S	S	S	S	S	S
BR00093908_S21	South Africa	South Africa 4	ERR2515967	S	S	S	S	S	S	S	S	S
EFO0225306_S28	South Africa	South Africa 4 (LAM)	ERR2515968	S								

TRL0083468_S23	South Africa	South Africa 4 (LAM)	ERR2515979	S	S	S	S	S	S	S	F
CD00831317_S26	South Africa	South Africa 2	ERR2515980	S	S	S	S	S	S	S	S
EFO0273309_S5	South Africa	South Africa 4	ERR2515981	R	R	R	R	R	R	R	R
PJ00162888_S8	South Africa	South Africa 4 (Haarlem)	ERR2515982	R	R	R	R	R	R	R	R
TRU0085351_S11	South Africa	South Africa 4 (S-type)	ERR2515983	S	R	S	S	S	S	S	S
ED00957471_S19	South Africa	South Africa 4 (LAM)	ERR2515984	R	S	S	S	S	S	U	S
DH00649794_S9	South Africa	South Africa 4 (X-type)	ERR2515985	S	S	S	S	F	S	U	S
BF01506396_S17	South Africa	South Africa 1	ERR2515986	S	S	S	S	S	S	S	S
BF01381848_S13	South Africa	South Africa 2	ERR2515987	S	S	S	S	S	S	S	S
TRU0116880_S12	South Africa	South Africa 4 (LAM)	ERR2515988	n/a	R	R	n/a	R	R	R	R
BH00904043_S11	South Africa	South Africa 1	ERR2515989	S	S	S	S	S	S	U	S
TRU0114479_S10	South Africa	South Africa 4 (X-type)	ERR2515990	n/a	R	R	n/a	R	R	R	U
FD00212241_S26	South Africa	South Africa 4	ERR2515991	S	S	S	S	S	S	S	S
BN00037636_S26	South Africa	South Africa 4	ERR2515992	S	S	S	S	S	S	S	S
BR00093118_S28	South Africa	South Africa 4 (Haarlem)	ERR2515993	R	S	S	S	F	S	S	S
BF01386435_S10	South Africa	South Africa 4 (Haarlem)	ERR2515994	S	S	S	S	S	S	S	S
TRU0031160_S6	South Africa	South Africa 4	ERR2515995	R	R	R	R	R	R	R	R
TRU0114667_S2	South Africa	South Africa 2	ERR2515996	n/a	R	R	n/a	R	R	R	R
TRU0113095_S10	South Africa	South Africa 4 (S-type)	ERR2515997	R	R	R	R	R	R	R	R
BF01175387_S7	South Africa	South Africa 4 (S-type)	ERR2515998	S	S	S	S	S	S	S	S
BF01522222_S19	South Africa	South Africa 4 (LAM)	ERR2515999	S	S	S	S	F	F	S	S
EN00013592_S25	South Africa	South Africa 4 (LAM)	ERR2516000	S	S	S	S	S	S	S	S
TRU0108114_S4	South Africa	South Africa 4 (LAM)	ERR2516001	R	R	S	S	R	R	S	S
BR00092662_S34	South Africa	South Africa 4 (LAM)	ERR2516002	S	S	S	S	S	S	S	S
PK00651442_S30	South Africa	South Africa 2	ERR2516003	R	R	S	S	R	R	R	S
TRU0113469_S14	South Africa	South Africa 4 (LAM)	ERR2516004	R	R	S	S	R	R	R	S
TRU0114829_S6	South Africa	South Africa 2	ERR2516005	n/a	R	R	n/a	R	R	R	R
BH00936808_S8	South Africa	South Africa 2	ERR2516006	S	R	S	S	S	F	S	S
TRU0099205_S15	South Africa	South Africa 4 (LAM)	ERR2516007	S	R	S	S	S	R	S	S
BN00042248_S28	South Africa	South Africa 4 (LAM)	ERR2516008	R	R	S	R	R	R	R	R
BF01321448_S14	South Africa	South Africa 2	ERR2516009	S	S	S	S	S	S	S	S
TRU0113487_S15	South Africa	South Africa 4 (LAM)	ERR2516010	R	R	S	S	R	R	R	S
BE01203293_S12	South Africa	South Africa 2	ERR2516011	R	S	S	S	R	S	S	S
TRU0115283_S19	South Africa	South Africa 2	ERR2516012	n/a	R	R	n/a	R	R	R	R
BF01311702_S23	South Africa	South Africa 4 (Haarlem)	ERR2516013	S	S	S	S	S	S	S	S
TRU0116593_S24	South Africa	South Africa 2	ERR2516014	n/a	R	R	n/a	R	R	R	F
BE01457107_S22	South Africa	South Africa 4 (S-type)	ERR2516015	S	S	S	S	S	S	S	S
BD00561502_S18	South Africa	South Africa 4 (LAM)	ERR2516016	S	S	S	S	S	S	S	S
TRU0114821_S5	South Africa	South Africa 4 (Haarlem)	ERR2516017	n/a	R	R	n/a	R	R	R	R
TRU0117008_S16	South Africa	South Africa 2	ERR2516018	R	R	R	R	R	R	R	U
TRU0115846_S10	South Africa	South Africa 2	ERR2516019	n/a	R	R	n/a	R	R	R	R
TRU0103300_S15	South Africa	South Africa 4 (X-type)	ERR2516020	R	R	S	S	R	R	R	S
BT00031965_S16	South Africa	South Africa 2	ERR2516021	S	S	S	S	S	S	S	S
BR00093905_S11	South Africa	South Africa 4 (LAM)	ERR2516022	S	S	S	S	S	S	S	S
TRU0115018_S8	South Africa	South Africa 4 (Haarlem)	ERR2516023	n/a	R	R	n/a	R	R	R	R
TRU0090417_S19	South Africa	South Africa 2	ERR2516024	R	R	R	R	R	R	R	R
TRU0023642_S1	South Africa	South Africa 4 (X-type)	ERR2516025	R	R	R	R	R	R	R	R
DG00518772_S15	South Africa	South Africa 4 (LAM)	ERR2516026	S	S	S	R	S	S	S	S
BF01236695_S29	South Africa	South Africa 4 (S-type)	ERR2516027	R	S	S	R	R	S	S	R
CD00792646_S24	South Africa	South Africa 4	ERR2516028	S	S	S	S	S	S	S	S
TRU0086755_S25	South Africa	South Africa 4 (X-type)	ERR2516029	S	R	S	S	S	R	S	S
JA00225792_S1	South Africa	South Africa 4	ERR2516030	S	S	S	S	S	S	S	S
TRU0112235_S18	South Africa	South Africa 4 (LAM)	ERR2516031	R	R	R	R	R	R	R	R
EB00188206_S4	South Africa	South Africa 2	ERR2516032	S	S	S	S	S	S	S	S
BF0130972_S27	South Africa	South Africa 2	ERR2516033	S	S	S	S	S	S	S	S
TRU0113496_S6	South Africa	South Africa 4	ERR2516034	S	R	S	S	S	R	S	S
BQ00026414_S10	South Africa	South Africa 4 (X-type)	ERR2516035	S	S	S	S	S	S	S	S
BF0145513_S21	South Africa	South Africa 4	ERR2516036	S	S	S	S	S	S	S	S
CD00937617_S4	South Africa	South Africa 4 (LAM)	ERR2516037	R	S	S	S	R	S	S	S
BF014081932_S24	South Africa	South Africa 2	ERR2516038	R	S	S	S	R	S	S	S
TRU0023642_S1	South Africa	South Africa 2	ERR2516039	S	S	S	S	S	S	S	S
CG01633852_S29	South Africa	South Africa 2	ERR2516040	S	S	S	S	S	S	S	F
TRU0115368_S21	South Africa	South Africa 4 (S-type)	ERR2516041	n/a	S	S	n/a	S	S	F	S
DH00742250_S25	South Africa	South Africa 4 (X-type)	ERR2516042	S	S	S	S	S	S	S	S
BF01199882_S15	South Africa	South Africa 4	ERR2516043	R	R	S	R	R	R	U	R
BF01481932_S24	South Africa	South Africa 4 (LAM)	ERR2516044	S	S	S	S	S	S	S	S
TRU0115039_S11	South Africa	South Africa 4 (Haarlem)	ERR2516045	n/a	R	R	n/a	R	R	R	R
BE01194858_S11	South Africa	South Africa 2	ERR2516046	S	S	S	S	S	S	S	S
BK00077058_S14	South Africa	South Africa 4 (S-type)	ERR2516047	R	R	R	R	R	R	R	R
CE01786354_S3	South Africa	South Africa 4	ERR2516048	S	S	S	S	S	S	S	S
TRU0107570_S5	South Africa	South Africa 2	ERR2516049	R	R	R	n/a	R	R	R	S
DG00683532_S26	South Africa	South Africa 3	ERR2516050	R	S	S	R	R	S	S	U
GH00346926_S27	South Africa	South Africa 4 (LAM)	ERR2516051	S	S	S	S	S	S	S	S
DH00692417_S9	South Africa	South Africa 4 (LAM)	ERR2516052	S	S	S	S	S	S	S	S
BD00483478_S32	South Africa	South Africa	ERR2516053	S	S	S	S	S	S	S	S
BD00708941_S17	South Africa	South Africa 4	ERR2516054	S	S	S	S	S	S	S	S
TRU0115404_S16	South Africa	South Africa 2	ERR2516055	n/a	R	R	n/a	R	R	R	R
CG01593892_S13	South Africa	South Africa 4 (X-type)	ERR2516056	S	S	S	S	S	S	S	S
TRU0113733_S20	South Africa	South Africa 1	ERR2516057	R	R	R	R	R	R	R	R
BR00095142_S20	South Africa	South Africa 4 (LAM)	ERR2516058	S	S	S	S	S	S	S	S
CD00922304_S1	South Africa	South Africa 4 (LAM)	ERR2516059	S	S	S	S	n/a	S	S	S
TRU0113580_S17	South Africa	South Africa 4 (LAM)	ERR2516060	R	R	S	S	R	R	R	S
BT00030991_S5	South Africa	South Africa 4 (X-type)	ERR2516061	S	S	S	S	S	S	S	S
DG00502193_S9	South Africa	South Africa 2	ERR2516062	S	S	S	S	S	S	S	S
TRU0114137_S20	South Africa	South Africa 2	ERR2516063	n/a	R	R	n/a	R	R	R	R
TRU0115115_S14	South Africa	South Africa 2	ERR2516064	n/a	R	R	n/a	R	R	R	R
BH00952422_S22	South Africa	South Africa 4 (S-type)	ERR2516065	S	S	S	S	S	S	S	S
TRU0115694_S19	South Africa	South Africa 2	ERR2516066	n/a	R	R	n/a	R	R	R	R
PM00210785_S30	South Africa	South Africa 4	ERR2516067	R	R	R	S	R	F	F	F
TRU0116883_S13	South Africa	South Africa 4	ERR2516068	n/a	R	R	n/a	R	R	R	R
CE01938357_S30	South Africa	South Africa 2	ERR2516069	R	R	R	R	R	R	R	F
TRU0116692_S8	South Africa	South Africa 1	ERR2516070	R	R	S	R	R	R	R	R
BF01227167_S25	South Africa	South Africa 4	ERR2516071	S	S	S	S	S	S	S	S
BD00734087_S18	South Africa	South Africa 2	ERR2516072	S	S	S	S	S	S	S	S
DG00618192_S12	South Africa	South Africa 4 (LAM)	ERR2516073	R	S	S	S	R	S	S	S
CG01404388_S4	South Africa	South Africa 4 (LAM)	ERR2516074	S	R	S	S	S	R	S	S
DH00634104_S31	South Africa	South Africa 4	ERR2516075	S	S	S	S	S	S	S	S
BR00079705_S3	South Africa	South Africa 4 (Haarlem)	ERR2516076	S	S	S	S	S	S	S	S
CE01938357_S30	South Africa	South Africa 1	ERR2516077	n/a	R	S	n/a	R	R	S	R
TRU0116692_S8	South Africa	South Africa 2	ERR2516078	S	R	S	S	S	R	S	S
BF01321448_S14	South Africa	South Africa 2	ERR2516079	S	S	S	n/a	S	S	S	S
DG00618192_S12	South Africa	South Africa 2	ERR2516080	S	S	S	S	S	S	S	S
CG01404388_S4	South Africa	South Africa 4 (X-type)	ERR2516081	S	S	S	S	S	S	S	S
DH00634104_S31	South Africa	South Africa 4 (S-type)	ERR2516082	S	S	S	S	S	S	S	S
BE01468979_S17	South Africa	South Africa 4 (LAM)	ERR2516083	S	S	S	S	S	S	S	S
EI00717034_S17	South Africa	South Africa 2	ERR2516084	S	S	S	S	S	S	S	S
CD00862519_S13	South Africa	South Africa 4 (X-type)	ERR2516085	S	S	S	S	S	S	S	S
NC00179466_S10	South Africa	South Africa 4	ERR2516086	S	S	S	S	S	S	S	S
BN00046702_S6	South Africa	South Africa 2	ERR2516087	S	S	S	S	S	S	S	S
CG01461768_S32	South Africa	South Africa 4	ERR2516088	S	S	S	S	S	S	S	S
BT00023835_S10	South Africa	South Africa 4 (LAM)	ERR2516089	S	S	S	S	S	S	S	S
TRU0039481_S20	South Africa	South Africa 4 (Haarlem)	ERR2516090	S	R	S	S	S	R	S	S
VB00026760_S17	South Africa	South Africa 4 (Haarlem)	ERR2516091	R	R	R	R	R	R	R	R
BF01375053_S16	South Africa	South Africa 4 (X-type)	ERR2516092	S	S	S	S	S	S	S	S
BF01363898_S2	South Africa	South Africa 4 (LAM)	ERR2516093	S	S	S	S	S	S	S	S
CHO0418283_S25	South Africa	South Africa 2	ERR2516094	S	S	S	S	S	S	S	S
BN00045476_S25	South Africa	South Africa 4	ERR2516095	S	S	S	S	S	S	S	S
BR00091242_S29	South Africa	South Africa 4 (LAM)	ERR2516096	S	S	S	S	S	S	S	S
UH0010752_S30	South Africa	South Africa 2	ERR2516097	S</td							

BN00036996_526	South Africa	South Africa	4 (LAM)	ERR2516101	S	S	R	S	S	S	S	S	S
G188	Spain	Spain	1	ERR2516102	S	S	S	S	S	S	S	S	S
G139	Spain	Spain	4 (Haarlem)	ERR2516103	S	S	S	S	S	S	S	S	S
G641	Spain	Spain	4 (LAM)	ERR2516104	S	S	S	S	S	S	U	S	S
G190	Spain	Spain	4	ERR2516105	S	S	S	S	S	S	U	S	S
G766	Spain	Spain	4 (Haarlem)	ERR2516106	S	S	S	S	S	S	S	S	S
G768	Spain	Spain	4	ERR2516107	S	S	S	S	S	S	S	U	S
G909	Spain	Spain	4 (Haarlem)	ERR2516108	S	S	S	S	S	S	S	S	S
G621	Spain	Spain	4	ERR2516109	S	S	S	S	S	S	S	S	S
G192	Spain	Spain	4 (Haarlem)	ERR2516110	S	S	S	S	S	S	S	S	S
FE21	Spain	Spain	4 (Haarlem)	ERR2516111	S	R	S	S	S	S	F	S	S
G350	Spain	Spain	4 (LAM)	ERR2516112	S	S	S	S	S	S	U	S	S
G338	Spain	Spain	4 (Haarlem)	ERR2516113	S	S	S	S	S	S	S	S	S
G637	Spain	Spain	4	ERR2516114	S	S	S	S	S	S	S	S	S
G634	Spain	Spain	4	ERR2516115	S	S	S	S	S	S	S	S	S
G630	Spain	Spain	4 (Cameroon)	ERR2516116	S	S	S	S	S	S	S	S	S
G186	Spain	Spain	4 (LAM)	ERR2516117	S	S	S	S	S	S	S	S	S
G358	Spain	Spain	4 (Haarlem)	ERR2516118	S	S	S	S	S	S	S	S	S
G208	Spain	Spain	4	ERR2516119	S	S	S	S	S	S	S	S	S
G644	Spain	Spain	4 (LAM)	ERR2516120	S	S	S	n/a	S	S	S	S	S
G183	Spain	Spain	4	ERR2516121	S	S	S	S	S	S	S	S	S
FE40	Spain	Spain	4 (LAM)	ERR2516122	S	S	S	S	S	S	U	S	S
G143	Spain	Spain	4	ERR2516123	S	R	S	S	S	R	S	S	S
FE03	Spain	Spain	4 (LAM)	ERR2516124	S	S	S	S	S	S	U	S	S
FE23	Spain	Spain	4 (Haarlem)	ERR2516125	R	R	S	S	F	F	S	S	S
G191	Spain	Spain	4	ERR2516126	S	S	S	S	S	S	S	S	S
G773	Spain	Spain	2	ERR2516127	S	S	S	S	S	S	S	S	S
G348	Spain	Spain	4 (LAM)	ERR2516128	S	S	S	S	S	S	S	S	S
G701	Spain	Spain	4 (Haarlem)	ERR2516129	R	R	R	S	R	R	U	S	S
G195	Spain	Spain	3	ERR2516130	S	S	S	S	S	S	S	S	S
G725	Spain	Spain	4	ERR2516131	S	S	S	S	S	S	S	S	S
FE41	Spain	Spain	4 (Haarlem)	ERR2516132	R	S	S	S	R	S	S	S	S
G202	Spain	Spain	4 (LAM)	ERR2516133	S	S	S	S	S	S	S	S	S
G778	Spain	Spain	4	ERR2516134	S	S	S	S	S	S	S	S	S
FE29	Spain	Spain	4 (LAM)	ERR2516135	S	S	S	R	S	S	S	S	S
FE34	Spain	Spain	4	ERR2516136	R	R	R	R	R	R	R	R	R
G356	Spain	Spain	4 (Haarlem)	ERR2516137	S	S	S	S	S	S	U	S	S
FE24	Spain	Spain	2	ERR2516138	R	R	R	R	R	R	R	R	R
G594	Spain	Spain	4 (LAM)	ERR2516139	S	S	S	S	S	S	S	S	S
G209	Spain	Spain	4 (LAM)	ERR2516140	S	S	S	S	S	S	S	S	S
G180m	Spain	Spain	4 (LAM)	ERR2516141	S	S	S	n/a	U	S	S	S	S
G204	Spain	Spain	4 (Haarlem)	ERR2516142	S	S	S	S	S	S	S	S	S
FE20	Spain	Spain	2	ERR2516143	R	R	S	S	R	S	S	S	S
G182	Spain	Spain	4 (Haarlem)	ERR2516144	S	S	S	S	S	S	S	S	S
FE14	Spain	Spain	4 (Haarlem)	ERR2516145	S	S	S	S	S	S	U	S	S
G200	Spain	Spain	4 (S-type)	ERR2516146	S	S	S	S	n/a	S	S	S	S
FE27	Spain	Spain	4	ERR2516147	S	S	S	S	S	S	S	S	S
G201	Spain	Spain	4	ERR2516148	S	S	S	S	S	S	S	S	S
G623	Spain	Spain	4	ERR2516149	S	S	S	S	S	S	S	S	S
G357	Spain	Spain	4	ERR2516150	R	S	S	S	S	S	S	S	S
FE37	Spain	Spain	2	ERR2516151	R	S	R	S	R	S	R	S	S
FE01	Spain	Spain	4	ERR2516152	R	R	S	S	R	R	R	S	S
G179	Spain	Spain	3	ERR2516153	R	S	S	S	R	S	S	S	S
G910	Spain	Spain	4 (Haarlem)	ERR2516154	S	S	S	S	S	S	S	S	S
G142	Spain	Spain	4 (LAM)	ERR2516155	S	S	S	S	S	S	S	S	S
G757	Spain	Spain	4	ERR2516156	S	S	S	S	S	S	S	S	S
G205	Spain	Spain	4 (Haarlem)	ERR2516157	S	S	S	S	S	S	S	S	S
FE28	Spain	Spain	4	ERR2516158	R	S	S	S	R	S	S	S	S
G323	Spain	Spain	4 (Haarlem)	ERR2516159	S	S	S	S	S	S	S	S	S
FE05	Spain	Spain	2	ERR2516160	R	R	S	S	R	R	U	S	S
FE36	Spain	Spain	4 (LAM)	ERR2516161	R	R	R	R	R	R	U	U	U
G770	Spain	Spain	Ghana	ERR2516162	S	S	S	S	S	S	S	S	S
G322	Spain	Spain	4 (LAM)	ERR2516163	S	S	S	S	S	S	S	S	S
G196	Spain	Spain	4 (LAM)	ERR2516164	S	S	S	S	S	S	S	S	S
G627	Spain	Spain	4	ERR2516165	S	S	S	S	S	S	U	S	S
WMB430/43-12700	Thailand via University of Singapore	Thailand	2	SAMN07236448	S	S	S	n/a	S	S	S	S	S
WMB476/46-10698	Thailand via University of Singapore	Thailand	2	SAMN07236487	S	S	S	n/a	S	S	S	S	S
WMB261/DS-20512	Thailand via University of Singapore	Thailand	2	SAMN07236285	R	R	R	n/a	R	R	R	R	R
WMB422/42-19187	Thailand via University of Singapore	Thailand	2	SAMN07236440	R	S	S	n/a	R	S	S	S	S
WMB332/DS-15901	Thailand via University of Singapore	Thailand	2	SAMN07360950	R	R	S	n/a	R	F	S	S	S
WMB238/DS-08775	Thailand via University of Singapore	Thailand	2	SAMN07236262	R	R	R	n/a	R	R	R	R	U
WBB284/DS-31231	Thailand via University of Singapore	Thailand	2	SAMN07236538	R	R	R	n/a	R	R	R	R	R
WBM321/DS-15862	Thailand via University of Singapore	Thailand	2	SAMN07236343	R	R	S	n/a	F	F	S	S	S
WMB464/CSF-3542	Thailand via University of Singapore	Thailand	2	SAMN07236477	S	S	S	n/a	S	S	U	S	S
WBM388/DS-30902	Thailand via University of Singapore	Thailand	2	SAMN07236406	R	R	S	n/a	R	R	S	S	S
WBB280/DS-29147	Thailand via University of Singapore	Thailand	2	SAMN07236534	R	R	R	n/a	R	R	R	R	R
WMB300/DS-13819	Thailand via University of Singapore	Thailand	2	SAMN07236322	R	R	R	n/a	R	R	R	R	R
WMB296/DS-33048	Thailand via University of Singapore	Thailand	2	SAMN07236318	R	R	R	n/a	R	R	R	R	R
WBB264/DS-17092	Thailand via University of Singapore	Thailand	2	SAMN072363520	R	R	S	n/a	U	R	R	R	R
WBM382/DS-25482	Thailand via University of Singapore	Thailand	2	SAMN07236400	R	R	n/a	n/a	R	R	S	U	S
WBM366/DS-23415	Thailand via University of Singapore	Thailand	2	SAMN07236385	R	R	R	n/a	R	R	R	R	R
WBM454/CSF-3382	Thailand via University of Singapore	Thailand	2	SAMN07236469	S	S	S	n/a	S	S	S	S	S
WBM287/DS-30777	Thailand via University of Singapore	Thailand	2	SAMN07236309	R	R	S	n/a	R	R	R	R	R
WMB447/CSF-2894	Thailand via University of Singapore	Thailand	2	SAMN07236464	S	S	S	n/a	S	S	S	S	S
WBM370/DS-24060	Thailand via University of Singapore	Thailand	2	SAMN07236389	R	R	R	n/a	R	R	R	R	R
WMB340/DS-19383	Thailand via University of Singapore	Thailand	2	SAMN07236360	R	R	S	n/a	R	R	S	S	S
WBM292/DS-32101	Thailand via University of Singapore	Thailand	2	SAMN07236314	R	R	R	n/a	R	R	R	R	R
WMB423/DS-041910	Thailand via University of Singapore	Thailand	1	SAMN07236441	S	S	S	n/a	S	U	S	S	S
WMB417/DS-20257	Thailand via University of Singapore	Thailand	2	SAMN07236435	S	S	S	n/a	S	S	S	S	S
WBB260/DS-16780	Thailand via University of Singapore	Thailand	2	SAMN07236516	R	R	S	n/a	R	R	R	R	U
WMB282/DS-29788	Thailand via University of Singapore	Thailand	2	SAMN07236304	S	R	S	n/a	R	R	R	R	R
WMB229/DS-16496	Thailand via University of Singapore	Thailand	2	SAMN07236255	R	R	R	n/a	R	R	R	R	R
WMB409/DS-15367	Thailand via University of Singapore	Thailand	2	SAMN07236427	S	S	S	n/a	S	S	S	S	S
WBM315/DS-14459	Thailand via University of Singapore	Thailand	2	SAMN07236337	R	R	R	n/a	F	F	F	F	F
WMB295/DS-32505	Thailand via University of Singapore	Thailand	2	SAMN07236317	R	R	S	n/a	R	F	U	R	R
WBM261/DS-21625	Thailand via University of Singapore	Thailand	2	SAMN07236380	R	R	n/a	n/a	R	R	S	S	S
WMB222/DS-06765	Thailand via University of Singapore	Thailand	2	SAMN07236248	R	R	R	n/a	R	R	R	R	R
WMB282/DS-29788	Thailand via University of Singapore	Thailand	2	SAMN07236304	S	R	S	n/a	U	F	S	S	U
WMB229/DS-16496	Thailand via University of Singapore	Thailand	2	SAMN07236255	R	R	R	n/a	R	R	R	R	R
WMB409/DS-15367	Thailand via University of Singapore	Thailand	2	SAMN07236427	S	S	S	n/a	R	R	R	R	R
WBM315/DS-14459	Thailand via University of Singapore	Thailand	2	SAMN07236337	R	R	R	n/a	F	F	F	F	F
WMB295/DS-32505	Thailand via University of Singapore	Thailand	2	SAMN07236317	R	R	S	n/a	R	F	U	R	R
WBM261/DS-21625	Thailand via University of Singapore	Thailand	2	SAMN07236380	R	R	n/a	n/a	R	R	S	S	S
WMB222/DS-06765	Thailand via University of Singapore	Thailand	2	SAMN07236248	R	R	R	n/a	R	R	R	R	R
WMB446/CSF-2498	Thailand via University of Singapore	Thailand	2	SAMN07236463	S	S	S	n/a	S	S	S	S	S
WMB482/DS-4810231	Thailand via University of Singapore	Thailand	2	SAMN07236491	R	S	S	n/a	R	R	R	R	R
WMB342/DS-20316	Thailand via University of Singapore	Thailand	1	SAMN07236362	R	R	R	n/a	R	R	R	S	S
WMB247/DS-11861	Thailand via University of Singapore	Thailand	2	SAMN07236271	R	R	R	n/a	R	R	R	R	R
WBB261/DS-16825	Thailand via University of Singapore	Thailand	2	SAMN072363517	R	R	R	n/a	R	R	R	R	R
WMB287/DS-23522	Thailand via University of Singapore	Thailand	2	SAMN07236386	R	R	n/a	n/a	R	R	R	R	R
WBM375/DS-24447	Thailand via University of Singapore	Thailand	2	SAMN07236393	R	R	R	n/a	R	R	R	R	F
WMB224/DS-13006	Thailand via University of Singapore	Thailand</											

WMB415/DS-19997	Thailand via University of Singapore	Thailand	1	SAMN07236433	S	S	S	n/a	S	S	U	S
WMB346/DS-20225	Thailand via University of Singapore	Thailand	2	SAMN07236365	R	R	R	n/a	R	R	R	R
WMB291/DS-31852	Thailand via University of Singapore	Thailand	2	SAMN07236313	R	R	R	n/a	R	R	R	S
WMB355/DS-20915	Thailand via University of Singapore	Thailand	2	SAMN07236374	R	R	n/a	n/a	R	R	R	U
WMB274/DS-25520	Thailand via University of Singapore	Thailand	2	SAMN07236297	R	R	S	n/a	R	R	R	S
WMB386/DS-25946	Thailand via University of Singapore	Thailand	2	SAMN07236404	R	R	n/a	n/a	R	R	F	S
WMB259/DS-19810	Thailand via University of Singapore	Thailand	1	SAMN07236283	R	R	R	n/a	R	F	R	F
WMB357/DS-21031	Thailand via University of Singapore	Thailand	2	SAMN07236376	R	R	R	n/a	R	R	R	S
WBB259/DS-16220	Thailand via University of Singapore	Thailand	2	SAMN072363515	R	R	R	n/a	R	R	R	U
WMB418/DS-20316	Thailand via University of Singapore	Thailand	2	SAMN07236436	S	S	S	n/a	S	S	S	S
WMB276/DS-26452	Thailand via University of Singapore	Thailand	2	SAMN07236299	R	R	n/a	n/a	R	R	R	F
WMB260/DS-20000	Thailand via University of Singapore	Thailand	4 (Ural)	SAMN07236284	R	R	R	n/a	R	R	R	R
WMB377/DS-24593	Thailand via University of Singapore	Thailand	1	SAMN07236395	R	R	S	n/a	R	R	S	S
WMB275/DS-26102	Thailand via University of Singapore	Thailand	2	SAMN07236298	S	R	n/a	n/a	S	S	S	S
WMB414/DS-19861	Thailand via University of Singapore	Thailand	2	SAMN07236432	S	S	n/a	n/a	S	S	S	S
WMB332/DS-19168	Thailand via University of Singapore	Thailand	1	SAMN07236352	R	R	R	n/a	R	R	S	S
WMB480/48-10563	Thailand via University of Singapore	Thailand	2	SAMN07236490	R	S	S	n/a	R	S	S	S
WMB389/DS-30951	Thailand via University of Singapore	Thailand	2	SAMN07236407	R	R	S	n/a	F	R	S	S
WMB271/DS-21363	Thailand via University of Singapore	Thailand	2	SAMN07236295	R	R	n/a	n/a	R	R	R	R
WMB273/DS-25474	Thailand via University of Singapore	Thailand	2	SAMN07360948	R	R	n/a	n/a	R	R	R	U
WBB263/DS-17016	Thailand via University of Singapore	Thailand	2	SAMN072363519	R	R	R	n/a	R	R	R	F
WMB314/DS-14418	Thailand via University of Singapore	Thailand	2	SAMN07236336	R	R	S	n/a	R	R	R	R
WMB319/DS-15504	Thailand via University of Singapore	Thailand	2	SAMN07236341	R	R	R	n/a	R	R	U	S
WMB453/47-5556	Thailand via University of Singapore	Thailand	2	SAMN07236468	S	S	S	n/a	S	S	S	S
WMB406/DS-14963	Thailand via University of Singapore	Thailand	1	SAMN07236424	S	S	S	n/a	S	S	S	S
WMB268/DS-21256	Thailand via University of Singapore	Thailand	2	SAMN07236292	R	R	n/a	n/a	R	R	R	U
WMB387/DS-26071	Thailand via University of Singapore	Thailand	2	SAMN07236405	R	R	n/a	n/a	R	R	R	R
WMB460/CSF-3520	Thailand via University of Singapore	Thailand	2	SAMN07236473	S	S	S	n/a	S	S	S	S
WMB228/DS-13085	Thailand via University of Singapore	Thailand	1	SAMN07236254	R	R	S	n/a	R	R	U	S
WMB302/DS-13922	Thailand via University of Singapore	Thailand	2	SAMN07236324	R	R	R	n/a	R	R	U	R
WBB257/DS-15966	Thailand via University of Singapore	Thailand	2	SAMN07236513	R	R	R	n/a	R	R	R	R
WMB383/DS-25553	Thailand via University of Singapore	Thailand	2	SAMN07236401	R	R	n/a	n/a	R	R	R	R
WMB416/DS-20072	Thailand via University of Singapore	Thailand	1	SAMN07236434	S	S	S	n/a	S	S	S	S
WMB288/DS-30870	Thailand via University of Singapore	Thailand	1	SAMN07236310	S	S	S	n/a	S	S	S	S
WMB429/43-12683	Thailand via University of Singapore	Thailand	4 (Ural)	SAMN07236447	S	S	S	n/a	S	S	S	S
WMB253/DS-18044	Thailand via University of Singapore	Thailand	4 (Ural)	SAMN07236277	R	R	R	n/a	R	R	R	R
WMB283/DS-30254	Thailand via University of Singapore	Thailand	2	SAMN07236305	R	R	S	n/a	R	R	R	R
WMB394/DS-31799	Thailand via University of Singapore	Thailand	2	SAMN07236412	R	R	R	n/a	R	R	U	S
WMB232/DS-13458	Thailand via University of Singapore	Thailand	4 (S-type)	SAMN07236257	R	R	R	n/a	R	R	F	F
WMB363/DS-21768	Thailand via University of Singapore	Thailand	2	SAMN07236382	R	R	n/a	n/a	R	R	R	F
WMB484/CSF-4014	Thailand via University of Singapore	Thailand	1	SAMN07236493	R	S	S	n/a	R	U	U	R
WMB469/42-20464	Thailand via University of Singapore	Thailand	2	SAMN07236481	S	S	S	n/a	S	S	S	S
WMB330/DS-18964	Thailand via University of Singapore	Thailand	2	SAMN07236350	R	R	R	n/a	R	R	R	S
WMB368/DS-23682	Thailand via University of Singapore	Thailand	2	SAMN07236387	R	R	R	n/a	R	R	F	S
WMB341/DS-20092	Thailand via University of Singapore	Thailand	2	SAMN07236361	R	R	R	n/a	R	F	F	F
WMB245/DS-17305	Thailand via University of Singapore	Thailand	1	SAMN07236269	R	R	R	n/a	R	R	R	R
WMB478/48-4979	Thailand via University of Singapore	Thailand	2	SAMN07236488	S	S	S	n/a	S	S	S	S
WMB435/43-19186	Thailand via University of Singapore	Thailand	1	SAMN07236453	S	S	S	n/a	S	S	U	S
WMB251/DS-12236	Thailand via University of Singapore	Thailand	2	SAMN07236275	R	R	R	n/a	R	R	R	R
WMB401/DS-16616	Thailand via University of Singapore	Thailand	2	SAMN07236419	R	R	R	n/a	R	R	S	S
WBB283/DS-30971	Thailand via University of Singapore	Thailand	2	SAMN07236537	R	R	R	n/a	R	R	R	U
WMB249/DS-17658	Thailand via University of Singapore	Thailand	2	SAMN07236273	R	R	R	n/a	R	R	R	R
WBB278/DS-27535	Thailand via University of Singapore	Thailand	2	SAMN07236532	R	R	n/a	n/a	R	R	R	R
WMB248/DS-15837	Thailand via University of Singapore	Thailand	1	SAMN07236272	R	R	R	n/a	R	R	R	R
WMB463/CSF-3541	Thailand via University of Singapore	Thailand	1	SAMN07236476	S	S	S	n/a	S	S	S	S
WMB413/DS-19477	Thailand via University of Singapore	Thailand	4	SAMN07236431	S	S	S	n/a	S	U	U	S
WMB290/DS-31545	Thailand via University of Singapore	Thailand	2	SAMN07236312	R	R	R	n/a	R	R	R	R
WMB496/CSF-4650	Thailand via University of Singapore	Thailand	1	SAMN07236505	R	S	S	n/a	S	S	S	S
WMB264/DS-20910	Thailand via University of Singapore	Thailand	2	SAMN07236288	R	R	n/a	n/a	R	R	R	U
WMB250/DS-10275	Thailand via University of Singapore	Thailand	2	SAMN07236274	R	R	R	n/a	R	R	R	R
WMB280/DS-29208	Thailand via University of Singapore	Thailand	2	SAMN07236302	R	R	R	n/a	R	R	R	R
WMB421/DS-20202	Thailand via University of Singapore	Thailand	4 (S-type)	SAMN07236439	S	S	S	n/a	S	S	S	S
WMB326/DS-16282	Thailand via University of Singapore	Thailand	2	SAMN07236347	R	R	S	n/a	R	R	S	S
WMB468/42-14745	Thailand via University of Singapore	Thailand	4 (S-type)	SAMN07236480	S	S	S	n/a	S	S	S	S
WBB281/DS-23966	Thailand via University of Singapore	Thailand	2	SAMN07236535	R	R	R	n/a	R	R	R	U
WBB285/DS-32449	Thailand via University of Singapore	Thailand	2	SAMN07236539	R	R	R	n/a	R	R	R	U
WBB265/DS-17653	Thailand via University of Singapore	Thailand	2	SAMN07236521	R	R	R	n/a	R	R	U	S
WMB328/DS-16314	Thailand via University of Singapore	Thailand	2	SAMN07236349	R	R	S	n/a	S	S	S	S
WMB408/DS-15203	Thailand via University of Singapore	Thailand	2	SAMN07236426	S	S	S	n/a	S	S	S	S
WMB376/DS-24457	Thailand via University of Singapore	Thailand	1	SAMN07236394	R	R	S	n/a	S	S	S	S
WMB381/DS-25234	Thailand via University of Singapore	Thailand	2	SAMN07236399	R	R	R	n/a	R	R	R	R
WMB462/CSF-3538	Thailand via University of Singapore	Thailand	1	SAMN07236475	R	R	R	n/a	R	R	R	R
WBB270/DS-19048	Thailand via University of Singapore	Thailand	2	SAMN07236525	R	R	R	n/a	R	R	R	S
WBB271/DS-19109	Thailand via University of Singapore	Thailand	2	SAMN07236526	R	R	R	n/a	R	R	R	U
WMB362/DS-21639	Thailand via University of Singapore	Thailand	2	SAMN07236381	R	R	n/a	n/a	R	R	R	S
WMB286/DS-30535	Thailand via University of Singapore	Thailand	2	SAMN07236308	R	R	S	n/a	R	R	R	R
WMB378/DS-24900	Thailand via University of Singapore	Thailand	2	SAMN07236396	R	R	R	n/a	R	R	R	S
WMB393/DS-31665	Thailand via University of Singapore	Thailand	2	SAMN072363411	R	R	R	n/a	R	R	R	R
WBB276/DS-26339	Thailand via University of Singapore	Thailand	1	SAMN07236350	R	R	n/a	n/a	S	S	U	S
WMB285/DS-30442	Thailand via University of Singapore	Thailand	2	SAMN07236307	S	R	S	n/a	S	R	S	S
WMB351/DS-20550	Thailand via University of Singapore	Thailand	2	SAMN07236370	R	R	R	n/a	R	R	R	S
WMB379/DS-24957	Thailand via University of Singapore	Thailand	4 (Tur)	SAMN07236397	R	R	R	n/a	R	R	R	S
WMB335/DS-19259	Thailand via University of Singapore	Thailand	2	SAMN07236355	R	R	R	n/a	R	R	R	S
WMB448/CSF-3053	Thailand via University of Singapore	Thailand	1	SAMN07236465	S	S	S	n/a	S	S	S	S
WMB452/CSF-3367	Thailand via University of Singapore	Thailand	2	SAMN07236467	S	S	S	n/a	S	S	S	S
WMB427/43-11467	Thailand via University of Singapore	Thailand	2	SAMN07236445	S	S	S	n/a	S	S	S	S
WMB457/47-10904	Thailand via University of Singapore	Thailand	2	SAMN07236471	S	S	S	n/a	S	S	S	S
WMB237/DS-16630	Thailand via University of Singapore	Thailand	2	SAMN07236261	R	R	R	n/a	R	R	R	U
WMB334/DS-19200	Thailand via University of Singapore	Thailand	2	SAMN07236354	R	R	R	n/a	R	R	R	S
WMB392/DS-31586	Thailand via University of Singapore	Thailand	4 (Tur)	SAMN07236410	R	R	S	n/a	R	R	U	S
WMB309/DS-16144	Thailand via University of Singapore	Thailand	2	SAMN07236331	R	R	R	n/a	R	R	R	R
WMB440/46-19260	Thailand via University of Singapore	Thailand	4	SAMN07236458	S	S	S	n/a	S	S	S	S
WMB475/46-5069	Thailand via University of Singapore	Thailand	1	SAMN07236486	S	S	S	n/a	S	S	S	S
WMB236/DS-13671	Thailand via University of Singapore	Thailand	2	SAMN07236260	R	R	R	n/a	U	R	R	U
WMB331/DS-19155	Thailand via University of Singapore	Thailand	2	SAMN07236351	R	R	R	n/a	R	R	S	S
WMB380/DS-25029	Thailand via University of Singapore	Thailand	2	SAMN07236398	R	R	R	n/a	R	R	R	S
WMB384/DS-25707	Thailand via University of Singapore	Thailand	2	SAMN07236402	R	R	n/a	n/a	R	R	S	S
WMB403/DS-18613	Thailand via University of Singapore	Thailand	2	SAMN07236421	R	R	S	n/a	R	R	R	R
WMB266/DS-21034	Thailand via University of Singapore	Thailand	2	SAMN07236290	R	R	R	n/a	R	R	R	R
WMB235/DS-11221	Thailand via University of Singapore	Thailand	2	SAMN07236259	R	R	R	n/a	R	R	R	S
WBB262/DS-17012	Thailand via University of Singapore	Thailand	2	SAMN07236518	R	R	R	n/a	F	F	F	U
WBB272/DS-20120	Thailand via University of Singapore	Thailand	2	SAMN072363527	S	R	n/a	n/a	U	R	R	S
WMB293/DS-32317	Thailand via University of Singapore	Thailand	1	SAMN07236315	R	R	S	n/a	R	R	U	S
WMB350/DS-20503	Thailand via University of Singapore	Thailand	1	SAMN07236369	R	R	R	n/a	S	U	S	S
WMB347/DS-20259	Thailand via University of Singapore	Thailand	2	SAMN07236366	R	R	R	n/a	R	R	S	S
WMB364/DS-22290	Thailand via University of Singapore	Thailand	2	SAMN07236383	R	R						

WMB359/DS-21517	Thailand via University of Singapore	Thailand	2	SAMN07236378	R	R	n/a	n/a	R	R	R	R	R
WMB374/DS-24426	Thailand via University of Singapore	Thailand	4	SAMN07236392	R	R	S	n/a	S	S	S	S	S
WMB303/DS-14490	Thailand via University of Singapore	Thailand	2	SAMN07236325	R	R	R	n/a	R	R	R	R	R
WMB262/DS-20535	Thailand via University of Singapore	Thailand	2	SAMN07236286	R	R	n/a	n/a	R	R	R	R	R
WMB320/DS-15559	Thailand via University of Singapore	Thailand	2	SAMN07236342	R	R	S	n/a	R	F	F	F	S
WMB298/CSF-4374	Thailand via University of Singapore	Thailand	1	SAMN07236320	R	R	S	n/a	S	S	S	S	S
WMB465/47-17522	Thailand via University of Singapore	Thailand	2	SAMN07236478	S	S	S	n/a	S	S	S	S	S
WMB431/43-13037	Thailand via University of Singapore	Thailand	1	SAMN07236449	R	S	S	n/a	R	U	S	S	S
WMB299/DS-34062	Thailand via University of Singapore	Thailand	2	SAMN07236321	R	R	R	n/a	R	R	U	S	S
WMB353/DS-20813	Thailand via University of Singapore	Thailand	2	SAMN07236372	R	R	n/a	n/a	R	R	S	S	S
WMB352/DS-20670	Thailand via University of Singapore	Thailand	2	SAMN07236371	R	R	R	n/a	R	R	R	R	R
WMB257/DS-19488	Thailand via University of Singapore	Thailand	2	SAMN07236281	R	R	R	n/a	R	R	R	R	S
WBB268/DS-17984	Thailand via University of Singapore	Thailand	2	SAMN07236323	R	R	S	n/a	R	R	S	S	S
WMB358/DS-21330	Thailand via University of Singapore	Thailand	2	SAMN07236377	R	R	n/a	n/a	R	R	R	R	R
WMB390/DS-31067	Thailand via University of Singapore	Thailand	2	SAMN07236408	R	R	S	n/a	R	R	R	R	U
WMB281/DS-29456	Thailand via University of Singapore	Thailand	2	SAMN07236303	R	R	R	n/a	R	R	R	R	R
WMB348/DS-20433	Thailand via University of Singapore	Thailand	4	SAMN07236367	R	R	R	n/a	R	F	S	S	S
WBB258/DS-16179	Thailand via University of Singapore	Thailand	2	SAMN07236354	R	R	S	n/a	R	R	U	F	S
WMB395/DS-32353	Thailand via University of Singapore	Thailand	2	SAMN07236413	R	R	R	n/a	R	R	R	R	U
WMB226/DS-07687	Thailand via University of Singapore	Thailand	2	SAMN07236252	R	R	R	n/a	R	R	R	R	R
WMB246/DS-10200	Thailand via University of Singapore	Thailand	2	SAMN07236270	R	R	R	n/a	R	R	U	F	F
WMB411/DS-15599	Thailand via University of Singapore	Thailand	1	SAMN07236429	S	S	S	n/a	S	S	S	S	S
WMB391/DS-31224	Thailand via University of Singapore	Thailand	2	SAMN07236409	R	R	R	n/a	R	R	R	R	U
WMB284/DS-30312	Thailand via University of Singapore	Thailand	2	SAMN07236306	R	R	R	n/a	R	R	S	S	S
WMB442/CSF-1449	Thailand via University of Singapore	Thailand	4 (S-type)	SAMN07236459	S	S	S	n/a	U	R	R	R	S
WMB233/DS-16503	Thailand via University of Singapore	Thailand	2	SAMN07236258	R	R	R	n/a	R	F	U	S	S
WMB313/DS-13949	Thailand via University of Singapore	Thailand	2	SAMN07236335	R	R	R	n/a	R	F	S	S	S
WMB412/DS-16280	Thailand via University of Singapore	Thailand	1	SAMN07236430	S	S	S	n/a	S	S	S	S	S
WMB338/DS-19351	Thailand via University of Singapore	Thailand	2	SAMN07236358	R	R	S	n/a	R	R	S	S	S
WMB242/DS-10110	Thailand via University of Singapore	Thailand	2	SAMN07236266	R	R	R	n/a	R	R	R	S	S
WMB230/DS-08230	Thailand via University of Singapore	Thailand	2	SAMN07360947	R	R	R	n/a	R	R	R	R	U
WMB399/DS-33474	Thailand via University of Singapore	Thailand	4 (S-type)	SAMN07236417	R	R	R	n/a	R	R	R	R	U
WMB369/DS-23747	Thailand via University of Singapore	Thailand	2	SAMN07236388	R	R	R	n/a	R	R	R	R	S
WMB373/DS-24418	Thailand via University of Singapore	Thailand	4 (S-type)	SAMN07236391	R	R	S	n/a	S	S	S	S	S
WMB252/DS-16224	Thailand via University of Singapore	Thailand	2	SAMN07236276	R	R	R	n/a	R	R	R	R	S
WMB459/CSF-3518	Thailand via University of Singapore	Thailand	2	SAMN07236472	S	S	S	n/a	S	S	S	S	S
WMB437/CSF-3943	Thailand via University of Singapore	Thailand	1	SAMN07236455	S	S	S	n/a	S	S	S	S	S
WMB336/DS-19290	Thailand via University of Singapore	Thailand	2	SAMN07236356	R	R	S	n/a	R	R	R	R	S
WMB263/DS-20908	Thailand via University of Singapore	Thailand	2	SAMN07236287	R	R	n/a	n/a	R	R	R	F	S
WMB270/DS-21358	Thailand via University of Singapore	Thailand	2	SAMN07236294	R	R	n/a	n/a	R	F	S	S	S
WMB402/DS-18501	Thailand via University of Singapore	Thailand	2	SAMN07236420	R	R	S	n/a	R	R	S	S	S
WMB372/DS-24268	Thailand via University of Singapore	Thailand	2	SAMN07360952	R	R	R	n/a	R	R	R	R	R
WBB282/DS-30056	Thailand via University of Singapore	Thailand	2	SAMN07236536	R	R	R	n/a	R	R	R	R	R
WMB424/DS-43-05286	Thailand via University of Singapore	Thailand	2	SAMN07236442	S	S	S	n/a	S	S	S	S	S
WMB241/DS-17290	Thailand via University of Singapore	Thailand	2	SAMN07236265	R	R	R	n/a	R	R	R	R	R
WMB243/DS-11745	Thailand via University of Singapore	Thailand	2	SAMN07236267	R	R	R	n/a	R	R	R	R	R
WMB426/DS-11359	Thailand via University of Singapore	Thailand	1	SAMN07236444	R	R	S	n/a	R	R	S	S	S
WMB455/CSF-3384	Thailand via University of Singapore	Thailand	2	SAMN07236470	S	S	S	n/a	S	S	S	S	S
WMB360/DS-21566	Thailand via University of Singapore	Thailand	2	SAMN07236379	R	R	n/a	n/a	R	R	R	R	R
WMB239/DS-11380	Thailand via University of Singapore	Thailand	1	SAMN07236263	R	R	R	n/a	S	S	R	R	R
WMB434/DS-17298	Thailand via University of Singapore	Thailand	1	SAMN07236452	S	S	S	n/a	S	S	S	S	S
WMB337/DS-19305	Thailand via University of Singapore	Thailand	2	SAMN07236357	R	R	R	n/a	R	R	R	R	R
WMB240/DS-15684	Thailand via University of Singapore	Thailand	2	SAMN07236264	R	R	R	n/a	R	R	R	R	R
WMB308/DS-14191	Thailand via University of Singapore	Thailand	2	SAMN07236330	R	R	R	n/a	R	R	R	R	R
WMB324/DS-16059	Thailand via University of Singapore	Thailand	2	SAMN07236345	R	R	S	n/a	R	R	S	S	S
WMB438/DS-15239	Thailand via University of Singapore	Thailand	1	SAMN07236456	R	R	S	n/a	R	R	S	S	S
WBB279/DS-29128	Thailand via University of Singapore	Thailand	2	SAMN07236533	R	R	R	n/a	R	R	R	R	U
WMB433/DS-15308	Thailand via University of Singapore	Thailand	1	SAMN07236451	S	S	S	n/a	S	S	S	S	S
WMB349/DS-20500	Thailand via University of Singapore	Thailand	2	SAMN07236368	R	R	R	n/a	R	R	F	R	R
WMB483/DS-10477	Thailand via University of Singapore	Thailand	2	SAMN07236492	R	R	S	n/a	R	R	S	S	S
WBB267/DS-167841	Thailand via University of Singapore	Thailand	2	SAMN07360953	R	R	R	n/a	R	R	R	R	U
WMB258/DS-19501	Thailand via University of Singapore	Thailand	4	SAMN07236282	R	R	R	n/a	R	R	S	S	S
WMB425/DS-43-08441	Thailand via University of Singapore	Thailand	2	SAMN07236443	S	S	S	n/a	S	S	S	S	S
WBB269/DS-18810	Thailand via University of Singapore	Thailand	2	SAMN07236524	R	R	R	n/a	R	R	R	R	R
WMB365/DS-23018	Thailand via University of Singapore	Thailand	1	SAMN07236384	R	R	S	n/a	R	R	S	S	S
WBB286/DS-32512	Thailand via University of Singapore	Thailand	2	SAMN07236540	R	R	S	n/a	R	R	S	R	S
WMB325/DS-16080	Thailand via University of Singapore	Thailand	4 (Tur)	SAMN07236346	R	R	S	n/a	R	R	R	R	U
WMB428/DS-41-11791	Thailand via University of Singapore	Thailand	2	SAMN07236446	S	S	S	n/a	S	S	S	S	S
WMB317/DS-15310	Thailand via University of Singapore	Thailand	2	SAMN07236339	R	R	S	n/a	R	R	R	F	S
WMB327/DS-16288	Thailand via University of Singapore	Thailand	1	SAMN07236348	R	R	S	n/a	R	S	U	S	S
WBB277/DS-27099	Thailand via University of Singapore	Thailand	2	SAMN07236531	R	R	n/a	n/a	S	S	S	S	S
WMB301/DS-13878	Thailand via University of Singapore	Thailand	4 (S-type)	SAMN07236323	R	R	R	n/a	R	R	R	F	F
WMB307/DS-25358	Thailand via University of Singapore	Thailand	2	SAMN07236329	R	R	n/a	n/a	R	R	S	S	S
S6	University of Sydney	Australia	4	SR6369878	PRJNA393378	R	R	S	R	R	S	S	R
S44	University of Sydney	Australia	2	SR6369877	PRJNA393378	R	S	R	S	R	S	R	S
S3	University of Sydney	Australia	4 (LAM)	SR6369876	PRJNA393378	R	R	S	R	R	R	R	R
S4	University of Sydney	Australia	2	SR6369875	PRJNA393378	R	R	S	R	S	F	S	S
S13	University of Sydney	Australia	2	SR6367401	PRJNA393378	R	R	R	R	R	R	R	R
S5	University of Sydney	Australia	2	SR6367400	PRJNA393378	R	R	S	R	R	R	R	S
S1	University of Sydney	Australia	1	SR63673999	PRJNA393378	R	R	R	R	R	R	R	R
S41	University of Sydney	Australia	2	SR6367398	PRJNA393378	R	R	S	R	R	R	F	F
S21	University of Sydney	Australia	1	SR6367398	PRJNA393378	R	R	S	R	R	R	R	S
S31	University of Sydney	Australia	1	SR63673967	PRJNA393378	R	S	R	S	R	S	S	S
S8	University of Sydney	Australia	2	SR63639666	PRJNA393378	R	S	R	R	R	R	R	R
S42	University of Sydney	Australia	2	SR63639665	PRJNA393378	R	S	R	R	R	S	S	R
S37	University of Sydney	Australia	2	SR63639644	PRJNA393378	R	S	R	R	R	S	S	S
S11	University of Sydney	Australia	2	SR63639662	PRJNA393378	R	R	S	R	R	R	R	R
S30	University of Sydney	Australia	3	SR63639661	PRJNA393378	R	R	S	R	R	R	R	R
S29	University of Sydney	Australia	1	SR63639553	PRJNA393378	R	R	R	R	R	R	R	R
S27	University of Sydney	Australia	2	SR63639551	PRJNA393378	R	R	S	R	R	R	R	S
S35	University of Sydney	Australia	4 (Tur)	SR63639649	PRJNA393378	R	R	S	R	R	R	R	S
S26	University of Sydney	Australia	4 (Haarlem)	SR63639648	PRJNA393378	R	R	S	R	R	S	S	S
S28	University of Sydney	Australia	4	SR63639645	PRJNA393378	R	R	S	S	R	R	U	S
S9	University of Sydney	Australia	1	SR63639644	PRJNA393378	R	R	R	R	R	R	R	R
S17	University of Sydney	Australia	2	SR63639643	PRJNA393378	R	R	R	R	R	R	R	R
S12	University of Sydney	Australia	3	SR63639642	PRJNA393378	R	R	R	R	R	R	R	R
S22	University of Sydney	Australia	3	SR63639641	PRJNA393378	R	R	S	R	R	R	S	S
S20	University of Sydney	Australia	2	SR63639640	PRJNA393378	R	R	S	R	R	R	R	R
S25	University of Sydney	Australia	4 (LAM)	SR63639637	PRJNA393378	R	R	S	R	R	S	S	S
S32	University of Sydney	Australia	1	SR63639741	PRJNA393378	R	R	S	R	F	R	F	F
S33	University of Sydney	Australia	4 (LAM)	SR63639740	PRJNA393378	R	R	S	R	R	R	S	S
S23	University of Sydney	Australia	1	SR63639749	PRJNA393378	R	R	S	R	R	R	R	R
S2	University of Sydney	Australia	2	SR63639748	PRJNA393378	R	R	S	R	R	R	R	R
S10	University of Sydney	Australia											

BGI_I-xz09061	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671734	R	R	S	n/a	R	R	S	S
BGI_140	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671722	R	R	S	n/a	R	R	S	R
BGI_FJ05189	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	4	SRR671757	R	R	S	n/a	U	R	R	R
BGI_Guang20016	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	4 (S-type)	SRR671861	R	R	S	n/a	R	R	R	R
BGI_Guang20026	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	4 (S-type)	SRR671862	R	R	R	n/a	R	R	U	R
BGI_XJ06007	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671871	S	S	S	n/a	S	S	S	S
BGI_GZ119	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671837	R	R	R	n/a	R	R	R	R
BGI_LN373	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671854	R	R	R	n/a	R	R	F	U
BGI_144	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671869	R	R	S	n/a	R	R	U	U
BGI_LN236	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671799	R	R	R	n/a	R	R	U	R
BGI_XZ06030	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	4	SRR671838	R	R	S	n/a	R	R	F	S
BGI_SH166	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671806	R	R	R	n/a	R	R	R	R
BGI_FJ07070	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671842	R	R	R	n/a	R	R	R	R
BGI_SH311	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671815	R	R	R	n/a	R	R	R	R
BGI_NM11008	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671870	S	S	S	n/a	S	S	S	S
BGI_SH327	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671816	R	R	S	n/a	R	R	F	R
BGI_NM11014	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671876	S	S	S	n/a	S	S	S	S
BGI_U-xz09006	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671745	R	R	S	n/a	R	R	S	S
BGI_L-xz09102	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671736	R	R	S	n/a	R	R	U	S
BGI_SHX05178	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	4	SRR671853	R	R	R	n/a	U	R	R	S
BGI_FJ05136	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671752	R	R	S	n/a	R	R	R	F
BGI_XJ06090	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	4	SRR671874	S	S	S	n/a	S	S	S	S
BGI_LN270	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671801	R	R	S	n/a	R	R	S	S
BGI_BJ05026	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	4	SRR671859	S	S	S	n/a	S	S	S	S
BGI_GZ10125	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	4	SRR671768	R	R	S	n/a	R	R	S	S
BGI_V-xz09011	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671746	R	R	S	n/a	R	R	S	S
BGI_XZ06017	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671848	R	R	S	n/a	R	R	U	S
BGI_XZ06217	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671840	R	R	R	n/a	R	R	U	S
BGI_Q-xz09122	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671742	R	R	S	n/a	R	R	R	F
BGI_Y-xz09033	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671747	S	S	S	n/a	S	S	S	S
BGI_336	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671866	R	R	R	n/a	R	R	R	R
BGI_SH361	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671820	R	R	S	n/a	R	R	R	S
BGI_NM11011	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671877	S	S	S	n/a	S	S	S	S
BGI_SHx127	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671795	R	R	S	n/a	R	R	R	S
BGI_SH292	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671813	R	R	R	n/a	U	R	R	U
BGI_A-xz09095	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671727	R	R	S	n/a	U	R	F	F
BGI_40195	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671780	R	R	S	n/a	F	R	F	S
BGI_Guang20017	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671864	R	R	R	n/a	R	R	R	R
BGI_X-xz09017	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671738	R	R	S	n/a	R	R	R	S
BGI_GZ104	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671845	R	R	R	n/a	U	R	R	S
BGI_SHx519	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671798	R	R	S	n/a	R	R	U	S
BGI_P-xz09119	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	3	SRR671741	S	S	S	n/a	S	S	S	S
BGI_SH390	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671822	R	R	R	n/a	R	R	R	R
BGI_LN151	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671792	S	S	S	n/a	S	S	S	S
BGI_GZ10105	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671771	R	R	R	n/a	R	R	R	U
BGI_315	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671724	R	R	R	n/a	R	R	R	R
BGI_SH287	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671812	R	R	S	n/a	R	R	R	U
BGI_FJ05121	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	4	SRR671750	R	R	S	n/a	R	R	R	F
BGI_FJ05132	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	4	SRR671751	R	R	R	n/a	R	R	R	R
BGI_FJ05141	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671841	R	R	R	n/a	R	R	R	F
BGI_R-xz09105	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671743	R	R	S	n/a	R	R	U	S
BGI_FJ05112	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671748	R	R	R	n/a	R	R	F	R
BGI_10	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	4 (LAM)	SRR671775	S	S	S	n/a	S	S	S	S
BGI_LN175	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671797	R	R	R	n/a	R	R	R	R
BGI_FJ05474	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	4 (S-type)	SRR671764	S	S	S	n/a	S	S	S	S
BGI_LN007	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671788	S	S	S	n/a	U	S	U	S
BGI_Guang229	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	4 (S-type)	SRR671790	R	R	R	n/a	S	S	S	S
BGI_XZ06194	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671851	R	R	R	n/a	R	R	R	R
BGI_322	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671720	R	R	R	n/a	R	R	R	S
BGI_GZ077	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671834	R	R	R	n/a	R	R	S	S
BGI_SH396	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671823	S	S	S	n/a	S	S	S	S
BGI_LN018	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671855	R	R	R	n/a	R	R	U	R
BGI_LN230	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671829	R	R	S	n/a	R	R	S	S
BGI_Guang20008	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671863	R	R	R	n/a	R	R	R	R
BGI_XZ06055	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	4	SRR671850	R	R	R	n/a	R	R	R	U
BGI_GuangZ6	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	4 (S-type)	SRR671725	R	R	R	n/a	R	R	R	R
BGI_HEN05034	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671857	R	R	R	n/a	R	R	S	S
BGI_LN077	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671787	R	R	R	n/a	R	R	R	R
BGI_FJ05060	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	4 (S-type)	SRR671762	S	S	S	n/a	S	S	U	S
BGI_G-xz09148	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671732	R	R	R	n/a	R	R	S	S
BGI_XJ06017	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	4 (S-type)	SRR6717878	S	S	S	n/a	S	S	S	S
BGI_GZ10108	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671765	R	R	R	n/a	R	R	R	S
BGI_GZ10145	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	4	SRR671773	S	S	S	n/a	S	S	S	S
BGI_SH068	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671811	R	R	R	n/a	R	R	R	R
BGI_SH404	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671825	R	R	R	n/a	R	R	S	R
BGI_SH002	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671804	R	R	R	n/a	R	R	R	F
BGI_SH060	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671810	R	R	R	n/a	R	R	R	R
BGI_GZ126	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	4	SRR671846	S	S	S	n/a	S	S	S	S
BGI_BJ05010	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671858	S	S	S	n/a	R	R	R	S
BGI_Sh477	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671793	S	S	S	n/a	S	S	S	S
BGI_FJ09132	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671754	R	R	R	n/a	R	R	R	F
BGI_Guang224	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671789	R	R	S	n/a	R	R	R	R
BGI_FJ09114	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671756	R	R	R	n/a	R	R	R	R
BGI_GZ10059	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	4	SRR671769	R	R	R	n/a	R	R	R	S
BGI_E-xz09109	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671730	S	S	S	n/a	S	S	S	S
BGI_SH298	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671814	S	S	S	n/a	S	S	S	S
BGI_I43	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	4	SRR671868	R	R	R	n/a	R	R	U	F
BGI_SH147	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671805	S	S	S	n/a	S	S	S	S
BGI_GZ113	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671836	R	R	S	n/a	U	S	S	S
BGI_SH400	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671824	R	R	S	n/a	R	R	R	R
BGI_SH002	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671810	R	R	R	n/a	R	R	R	R
BGI_GZ126	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	4	SRR671846	S	S	S	n/a	R	R	R	R
BGI_BJ05010	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671858	S	S	S	n/a	S	S	S	S
BGI_SH415	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671826	R	R	R	n/a	R	R	R	R

BGI_XZ06050	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671839	R	R	R	n/a	R	R	R	R	R
BGI_42061	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671776	S	S	S	n/a	F	S	S	F	
BGI_LN023	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671781	R	R	R	n/a	R	R	U	R	
BGI_LN130	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671794	R	R	R	n/a	R	R	U	R	
BGI_NM11010	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671875	S	S	S	n/a	S	S	S	S	
BGI_FJ05179	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671758	R	R	S	n/a	F	R	R	S	
BGI_SH045	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671827	S	S	S	n/a	S	S	S	S	
BGI_41310	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671779	R	R	S	n/a	R	R	R	R	
BGI_FJ09143	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671761	R	R	R	n/a	R	R	R	S	
BGI_GZ10116	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	4	SRR671774	R	R	S	n/a	R	R	R	R	
BGI_GZ10103	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	4	SRR671767	R	R	R	n/a	R	R	R	R	
BGI_Guang228	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671783	R	R	R	n/a	R	S	U	S	
BGI_SHX141	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671830	S	S	S	n/a	S	S	S	S	
BGI_GZ10102	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671770	R	R	R	n/a	R	R	R	R	
BGI_FJ07028	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	4 (S-type)	SRR671760	R	R	S	n/a	U	R	R	R	
BGI_XJ06055	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	4	SRR671872	S	S	S	n/a	S	S	S	S	
BGI_LN314	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671791	R	R	S	n/a	R	R	S	R	
BGI_S-xz09021	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671744	R	R	S	n/a	R	R	R	S	
BGI_60	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671719	R	R	R	n/a	R	R	S	S	
BGI_SH331	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671817	R	R	S	n/a	R	R	S	R	
BGI_SH384	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671821	R	R	R	n/a	R	R	U	R	
BGI_F-xz09121	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671731	R	R	S	n/a	R	R	R	S	
BGI_FJ05349	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	4	SRR671763	S	S	S	n/a	S	S	U	S	
BGI_FJ05395	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	4 (Tur)	SRR671832	S	S	S	n/a	S	S	S	S	
BGI_XJ06014	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	3	SRR671873	S	S	S	n/a	S	S	S	S	
BGI_O-xz06008	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	4 (S-type)	SRR671740	R	R	S	n/a	U	R	R	R	
BGI_NM11006	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671879	S	S	S	n/a	S	S	S	S	
BGI_142	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671721	R	R	R	n/a	R	R	R	R	
BGI_ShX640	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60	China	2	SRR671803	S	S	S	n/a	S	S	S	S	

Table S2

Gene coordinates based on NC_000962.2, with 100 nucleotide positions upstream of each gene read as well.

Mutations characterised as 'S' in Walker *et al* but as 'R' by another source, were characterised as 'R'.

Insertions and deletions characterise in Walker *et al* were re-computed from that data for this study to ensure that the same version of Cortex was used for both data sets. These indels may therefore differ a little from those published in Walker *et al*.

Drug	Mutation	Details of insertion/deletion	Characterisation	Source
Ethambutol	embA_2723_indel	embA_2723_2724_ins_GGG	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_A1015T		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_A1016S		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_A109T		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_A201T		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_A255V		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_A312V		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_A331P		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_A428V		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_A438V		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_A460T		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_A545P		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_A576T		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_A586T		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_A734T		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_A852S		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_A852V		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_C-12T		R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_C-15G		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_C-16G		R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_C-16T		R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_C-59A		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_C-73T		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_C335W		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_D1053G		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_D176A		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_D678N		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_D761G		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_D784N		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_D865N		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_E7K		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_E951D		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_G-17A		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_G-43C		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_G1085S		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_G154S		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_G157C		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_G21R		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_G352S		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_G596S		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_G884D		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_H665R		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_H665Y		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_H673R		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_I191V		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_I595V		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_K166N		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_K773N		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_L1008P		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_L215M		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_L215P		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_L233M		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_L263F		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_L263P		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_L314P		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_L373P		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_L659F		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_M697V		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_N54S		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_P1094S		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_P327H		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_P327L		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_P35Q		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_P689L		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_P75L		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_P860L		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_P901L		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_Q1004P		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_Q57E		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_R683L		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_S1017A		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_S20A		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_S20P		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_S49R		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_S49T		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23

Ethambutol	embC_T941A	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embC_V218A	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embC_V303L	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embC_V337I	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embC_V363I	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	ahpC_-3_indel ahpC_-3_-2_ins_T	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	ahpC_-34_indel ahpC_-34_-34_del_A	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	ahpC_-400_indel ahpC_-400_588+586_del_GGTGGCCAGGCCACACCGCCGGGTGTTGS	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	ahpC_213_indel ahpC_213_214_ins_A	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	ahpC_249_indel ahpC_249_249_del_G	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	ahpC_A-80G	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	ahpC_A-83G	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	ahpC_A-98C	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	ahpC_A122T	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	ahpC_A187P	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	ahpC_A195S	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	ahpC_C-52T	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	ahpC_C-57T	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	ahpC_C-72T	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	ahpC_C-79T	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	ahpC_C-81T	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	ahpC_D182G	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	ahpC_E160K	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	ahpC_G-48A	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	ahpC_G-88A	S	(Phylogenetic SN
Isoniazid	ahpC_G45S	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	ahpC_K192N	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	ahpC_L191F	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	ahpC_P44R	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	ahpC_P62H	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	ahpC_T105M	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	ahpC_V158F	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	ahpC_Y34C	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	ahpC: All synonymous mutations	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	fabG1_A215T	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	fabG1_C-15T	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	fabG1_E7K	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	fabG1_G-17T	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	fabG1_G-47C	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	fabG1_G-77A	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	fabG1_L203L	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	fabG1_N24S	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	fabG1_P81A	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	fabG1_S126N	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	fabG1_T-8C	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	fabG1_T4I	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	fabG1: All synonymous mutations other than L203L	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	inhA_A-14G	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	inhA_C-40T	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	inhA_C-67T	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	inhA_G141R	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	inhA_G183R	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	inhA_J194T	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	inhA_J21T	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	inhA_J228V	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	inhA_S94A	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	inha: All synonymous mutations	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_1286_indel katG_1286_1288_del_CGC	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_1339_indel katG_1339_1350_del_CACGACCTCGTC	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_1365_indel katG_1365_1365_del_T	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_1804_indel katG_1804_1810_del_AAACCGT	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_1900_indel katG_1900_1901_ins_C	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_21_indel katG_21_22_ins_T	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_371_indel katG_371_371_del_G	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_A-35G	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_A109V	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	fabG1_C-15T	R	ReSeqTB systematic review
Isoniazid	katG_A162V	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_A16V	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_A281T	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_A480S	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_A532P	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_A551S	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_A591T	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_A606T	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_A614E	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_C-79T	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_C-85T	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	fabG1: Any nucleotide mutation at positions -16, -15 and -8 in the operator region	R	WHO endorsed line probe assays
Isoniazid	katG_D142G	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_D194N	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23

Isoniazid	katG_D215E	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_D406G	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_D511N	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_E340D	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_E522K	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_E523D	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_G-76A	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_G-89A	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_G121S	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_G123R	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_G124A	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_G124D	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_G125D	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_G182R	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_G237A	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_G285V	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_G297V	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_G534R	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_K433T	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_K537E	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_K557N	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_L141F	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_L159P	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_L205R	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_L398R	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_L598R	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_L696Q	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_L704S	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_M257I	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_M609T	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_N323S	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_N562H	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_P232R	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_P432T	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_P510A	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_P6S	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_Q295A	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_Q36P	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_Q525K	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_Q525S	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_Q88E	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_R104Q	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_R519H	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_S446N	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_S481L	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_S527L	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_S700P	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_T-13C	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_T12A	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_T180K	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_T308A	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_T394A	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_T475I	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_T625A	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_T667I	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_T77R	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_V23L	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_V260I	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_V445I	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_V469L	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_V473L	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_V47I	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_V507I	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_V633A	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_S315I	R	ReSeqTB systematic review
Isoniazid	katG_S315N	R	ReSeqTB systematic review
Isoniazid	katG_S315T	R	ReSeqTB systematic review
Isoniazid	katG_V68G	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_V739M	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_W191G	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_W191R	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_W300C	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_W328L	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_W505Stop	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG_W90R	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG: All synonymous mutations	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_-1526_indel pncA_-1526_561+4428_del_GCGTTGGGTGCTTGACCTGTCGTCCR	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_-3_indel pncA_-3_-2_ins_C	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_-745_indel pncA_-745_492_del_TGCCTGGTGGGTTCGGCCACCCATGCC	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_*187Stop	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_145_indel pncA_145_155_del_GACTTCCACAT	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23

Pyrazinamide	pncA_185_indel	pncA_185_186_ins_A	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_189_indel	pncA_189_200_del_CTATTCCCTCGTC	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_192_indel	pncA_192_193_ins_A	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_231_indel	pncA_231_231_del_C	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_306_indel	pncA_306_309_del_GTAC	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_338_indel	pncA_338_346_del_GCACGCCAC	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_386_indel	pncA_386_389_del_ATGT	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_395_indel	pncA_395_527_del_GTATTGCCACCGATCATTGTGCGCCAGACG	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_416_indel	pncA_416_416_del_T	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_428_indel	pncA_428_429_ins_GCCAGACGGC	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_456_indel	pncA_456_457_ins_C	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_463_indel	pncA_463_464_ins_G	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_47_indel	pncA_47_48_ins_G	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_470_indel	pncA_470_471_ins_A	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_48_indel	pncA_48_74_del_TGGCTCGCTGGCGTAACCGGTGGCGC	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_517_indel	pncA_517_518_ins_G	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Isoniazid	katG	Any amino acid substitution at codon 315	R	WHO endorsed line probe assays
Isoniazid	katG	Any frame shift insertion or deletion	R	ReSeqTB systematic review
Pyrazinamide	pncA_553_indel	pncA_553_561+3_del_AGCTCCTGATGG	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_A102P		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_A134D		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_A143V		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_A146T		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_A79T		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_C-19T		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_C138R		R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_D129N		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_D136N		R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_D53E		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_D63A		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_E37V		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_F81V		R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_G-33A		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_G17S		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_G78C		R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_G97R		R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_H137R		R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_H82D		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_K48E		R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_L159V		R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_A-11G		R	ReSeqTB systematic review
Pyrazinamide	pncA_L182S		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_L27P		R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_A134V		R	ReSeqTB systematic review
Pyrazinamide	pncA_L35R		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_M1I		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_A171E		R	ReSeqTB systematic review
Pyrazinamide	pncA_A3E		R	ReSeqTB systematic review
Pyrazinamide	pncA_A46V		R	ReSeqTB systematic review
Pyrazinamide	pncA_P54Q		R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_P69S		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_P77L		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_C138Y		R	ReSeqTB systematic review
Pyrazinamide	pncA_C14R		R	ReSeqTB systematic review
Pyrazinamide	pncA_C72R		R	ReSeqTB systematic review
Pyrazinamide	pncA_Q10Stop		R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_D12A		R	ReSeqTB systematic review
Pyrazinamide	pncA_D12G		R	ReSeqTB systematic review
Pyrazinamide	pncA_D12N		R	ReSeqTB systematic review
Pyrazinamide	pncA_Q141Stop		R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_D49G		R	ReSeqTB systematic review
Pyrazinamide	pncA_D49N		R	ReSeqTB systematic review
Pyrazinamide	pncA_R121Q		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_S104G		R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_D63G		R	ReSeqTB systematic review
Pyrazinamide	pncA_D8E		R	ReSeqTB systematic review
Pyrazinamide	pncA_D8G		R	ReSeqTB systematic review
Pyrazinamide	pncA_D8N		R	ReSeqTB systematic review
Pyrazinamide	pncA_S18P		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_F58L		R	ReSeqTB systematic review
Pyrazinamide	pncA_S32I		R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_F94L		R	ReSeqTB systematic review
Pyrazinamide	pncA_F94S		R	ReSeqTB systematic review
Pyrazinamide	pncA_S65P		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_G108R		R	ReSeqTB systematic review
Pyrazinamide	pncA_G132A		R	ReSeqTB systematic review
Pyrazinamide	pncA_G132D		R	ReSeqTB systematic review
Pyrazinamide	pncA_G132S		R	ReSeqTB systematic review
Pyrazinamide	pncA_G162D		R	ReSeqTB systematic review
Pyrazinamide	pncA_G17D		R	ReSeqTB systematic review
Pyrazinamide	pncA_S66L		S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23

Pyrazinamide	pncA_G24D	R	ReSeqTB systematic review
Pyrazinamide	pncA_T-60G	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_G97C	R	ReSeqTB systematic review
Pyrazinamide	pncA_G97D	R	ReSeqTB systematic review
Pyrazinamide	pncA_T114M	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_G97S	R	ReSeqTB systematic review
Pyrazinamide	pncA_H137P	R	ReSeqTB systematic review
Pyrazinamide	pncA_T114P	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_H51Q	R	ReSeqTB systematic review
Pyrazinamide	pncA_H51R	R	ReSeqTB systematic review
Pyrazinamide	pncA_H57D	R	ReSeqTB systematic review
Pyrazinamide	pncA_H57P	R	ReSeqTB systematic review
Pyrazinamide	pncA_H57R	R	ReSeqTB systematic review
Pyrazinamide	pncA_H57Y	R	ReSeqTB systematic review
Pyrazinamide	pncA_H71D	R	ReSeqTB systematic review
Pyrazinamide	pncA_H71Q	R	ReSeqTB systematic review
Pyrazinamide	pncA_H71R	R	ReSeqTB systematic review
Pyrazinamide	pncA_H71Y	R	ReSeqTB systematic review
Pyrazinamide	pncA_T168I	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_H82R	R	ReSeqTB systematic review
Pyrazinamide	pncA_I133T	R	ReSeqTB systematic review
Pyrazinamide	pncA_I6T	R	ReSeqTB systematic review
Pyrazinamide	pncA_T168S	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_K96E	R	ReSeqTB systematic review
Pyrazinamide	pncA_K96N	R	ReSeqTB systematic review
Pyrazinamide	pncA_K96R	R	ReSeqTB systematic review
Pyrazinamide	pncA_K96T	R	ReSeqTB systematic review
Pyrazinamide	pncA_L116P	R	ReSeqTB systematic review
Pyrazinamide	pncA_L116R	R	ReSeqTB systematic review
Pyrazinamide	pncA_L120P	R	ReSeqTB systematic review
Pyrazinamide	pncA_L151S	R	ReSeqTB systematic review
Pyrazinamide	pncA_L159P	R	ReSeqTB systematic review
Pyrazinamide	pncA_T47A	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_L172P	R	ReSeqTB systematic review
Pyrazinamide	pncA_T47I	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_L19P	R	ReSeqTB systematic review
Pyrazinamide	pncA_T87M	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_V163G	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_L4S	R	ReSeqTB systematic review
Pyrazinamide	pncA_L85P	R	ReSeqTB systematic review
Pyrazinamide	pncA_L85R	R	ReSeqTB systematic review
Pyrazinamide	pncA_M175I	R	ReSeqTB systematic review
Pyrazinamide	pncA_M175T	R	ReSeqTB systematic review
Pyrazinamide	pncA_M175V	R	ReSeqTB systematic review
Pyrazinamide	pncA_V183L	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_P54L	R	ReSeqTB systematic review
Pyrazinamide	pncA_V21G	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_P54S	R	ReSeqTB systematic review
Pyrazinamide	pncA_P62L	R	ReSeqTB systematic review
Pyrazinamide	pncA_P62Q	R	ReSeqTB systematic review
Pyrazinamide	pncA_V45A	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_V7L	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_Q10P	R	ReSeqTB systematic review
Pyrazinamide	pncA_Q10R	R	ReSeqTB systematic review
Pyrazinamide	pncA_Y64D	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_Q141P	R	ReSeqTB systematic review
Pyrazinamide	pncA_Y99Stop	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_1278_indel rpoB_1278_1286_del_CACCAGCCA	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_R123P	R	ReSeqTB systematic review
Rifampicin	rpoB_1292_indel rpoB_1292_1293_ins_CCA	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_S104R	R	ReSeqTB systematic review
Rifampicin	rpoB_1295_indel rpoB_1295_1303_del_AATTATGG	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_1296_indel rpoB_1296_1297_ins_TTC	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_S59P	R	ReSeqTB systematic review
Rifampicin	rpoB_1299_indel rpoB_1299_1304_del_CATGGA	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_1328_indel rpoB_1328_1337_delTGACCCACAAinsGGCCCCA	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_S66P	R	ReSeqTB systematic review
Pyrazinamide	pncA_S67P	R	ReSeqTB systematic review
Pyrazinamide	pncA_T-12C	R	ReSeqTB systematic review
Rifampicin	rpoB_2546_indel rpoB_2546_2547_ins(CGAGGA	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_T-7C	R	ReSeqTB systematic review
Rifampicin	rpoB_A-53G	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_A334D	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_T135N	R	ReSeqTB systematic review
Pyrazinamide	pncA_T135P	R	ReSeqTB systematic review
Pyrazinamide	pncA_T142A	R	ReSeqTB systematic review
Pyrazinamide	pncA_T142K	R	ReSeqTB systematic review
Pyrazinamide	pncA_T142M	R	ReSeqTB systematic review
Pyrazinamide	pncA_T160P	R	ReSeqTB systematic review
Rifampicin	rpoB_A544V	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_T168P	R	ReSeqTB systematic review

Rifampicin	rpoB_A69P	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_A857T	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_A998V	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_T76P	R	ReSeqTB systematic review
Rifampicin	rpoB_C62T	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_V125F	R	ReSeqTB systematic review
Pyrazinamide	pncA_V125G	R	ReSeqTB systematic review
Pyrazinamide	pncA_V128G	R	ReSeqTB systematic review
Pyrazinamide	pncA_V139A	R	ReSeqTB systematic review
Pyrazinamide	pncA_V139G	R	ReSeqTB systematic review
Pyrazinamide	pncA_V139L	R	ReSeqTB systematic review
Pyrazinamide	pncA_V155G	R	ReSeqTB systematic review
Rifampicin	rpoB_C73T	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_V180F	R	ReSeqTB systematic review
Pyrazinamide	pncA_V180G	R	ReSeqTB systematic review
Rifampicin	rpoB_D270E	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_D362H	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_D3G	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_V7G	R	ReSeqTB systematic review
Rifampicin	rpoB_D515Y	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA_W68C	R	ReSeqTB systematic review
Pyrazinamide	pncA_W68G	R	ReSeqTB systematic review
Pyrazinamide	pncA_W68R	R	ReSeqTB systematic review
Pyrazinamide	pncA_Y103H	R	ReSeqTB systematic review
Pyrazinamide	pncA_Y34D	R	ReSeqTB systematic review
Rifampicin	rpoB_D53N	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_D545A	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_D634G	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Pyrazinamide	pncA: Any frame shift insertion or deletion	R	ReSeqTB systematic review
Rifampicin	rpoB_D851G	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_E1169A	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_E132D	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_E563D	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_E639G	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_E639Q	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_E66K	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_E825G	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_G-96A	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_G28R	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_G890D	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_G981D	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_H343Q	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_H674Q	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_K944E	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_L314V	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_L316V	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_L443F	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_L80V	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_L893R	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_M121I	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_M153T	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_M390T	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_M434I	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_N24D	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_P30S	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_P358L	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_P454L	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_P682T	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_P834L	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_P89L	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_R511L	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_R661Q	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_S1124A	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_S195R	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_S21F	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_S388L	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_T-6C	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_T350I	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_T526S	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_T676P	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_V109I	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_V1117L	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_V1129A	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_V113I	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_V170F	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_V179A	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_V359A	R	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_V695L	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB_V77M	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_M153T	S	(Phylogenetic SN Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Rifampicin	rpoB: All synonymous mutations	S	Walker TM et. al., Lancet Infect Dis. 2015 Jun 23

Ethambutol	embA_P913S	S (Phylogenetic SNWalker TM et. al., Lancet Infect Dis. 2015 Jun 23)
Ethambutol	embB: All synonymous mutations	S Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_S49R	S (Phylogenetic SNWalker TM et. al., Lancet Infect Dis. 2015 Jun 23)
Ethambutol	embA: All synonymous mutations	S Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_T608N	S (Phylogenetic SNWalker TM et. al., Lancet Infect Dis. 2015 Jun 23)
Ethambutol	embC: All synonymous mutations	S Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embA_V206M	S (Phylogenetic SNWalker TM et. al., Lancet Infect Dis. 2015 Jun 23)
Pyrazinamide	pncA: All synonymous mutations	S Walker TM et. al., Lancet Infect Dis. 2015 Jun 23
Ethambutol	embB_E378A	S (Phylogenetic SNWalker TM et. al., Lancet Infect Dis. 2015 Jun 23)
Ethambutol	embB_K561R	S (Phylogenetic SNWalker TM et. al., Lancet Infect Dis. 2015 Jun 23)
Ethambutol	embB_Q139H	S (Phylogenetic SNWalker TM et. al., Lancet Infect Dis. 2015 Jun 23)
Ethambutol	embB_S565G	S (Phylogenetic SNWalker TM et. al., Lancet Infect Dis. 2015 Jun 23)
Ethambutol	embC_N394D	S (Phylogenetic SNWalker TM et. al., Lancet Infect Dis. 2015 Jun 23)
Ethambutol	embC_R567H	S (Phylogenetic SNWalker TM et. al., Lancet Infect Dis. 2015 Jun 23)
Ethambutol	embC_R738Q	S (Phylogenetic SNWalker TM et. al., Lancet Infect Dis. 2015 Jun 23)
Ethambutol	embC_T270I	S (Phylogenetic SNWalker TM et. al., Lancet Infect Dis. 2015 Jun 23)
Ethambutol	embC_V104M	S (Phylogenetic SNWalker TM et. al., Lancet Infect Dis. 2015 Jun 23)
Ethambutol	embC_V981L	S (Phylogenetic SNWalker TM et. al., Lancet Infect Dis. 2015 Jun 23)
Isoniazid	inhA_P107S	S (Phylogenetic SNWalker TM et. al., Lancet Infect Dis. 2015 Jun 23)
Isoniazid	inhA_V78A	S (Phylogenetic SNWalker TM et. al., Lancet Infect Dis. 2015 Jun 23)
Isoniazid	katG_R463L	S (Phylogenetic SNWalker TM et. al., Lancet Infect Dis. 2015 Jun 23)
Rifampicin	rpoB_C-61T	S (Phylogenetic SNWalker TM et. al., Lancet Infect Dis. 2015 Jun 23)
Rifampicin	rpoB: Any amino acid substitution or insertion/deletion from codon 425 to codon 45R	WHO endorsed line probe assays /Xpert MTB/RIF
Pyrazinamide	pncA_E37Stop	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_E91Stop	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_F106S	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_F106Y	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_F13I	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_F13V	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_F13Y	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_F50F	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_F58I	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_F58S	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_F81S	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_F94C	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_F94F	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_G101Stop	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_G101E	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_G105D	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_G105R	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_G105V	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_G108Stop	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_G108E	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_G124S	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_G132C	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_G132R	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_G132V	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_G150G	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_G162A	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_G162V	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_G16G	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_G16R	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_G16V	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_G17C	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_G23V	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_G24V	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_G55C	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_G75V	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_G78D	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_G78V	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_H137D	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_H42N	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_H42Q	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_H43P	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_H43Q	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_H51D	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_H51L	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_H51N	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_H51Y	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_H57L	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_H57N	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_H57Q	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_H71H	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_H71L	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_H71N	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_H82L	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_I133F	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_I133N	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_I31F	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_I31N	R Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_I31T	R Yadon et. al., Nature Communications 2017 Sep 19

Pyrazinamide	pncA_E174K	R	Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_E181Stop	R	Yadon et. al., Nature Communications 2017 Sep 19
Pyrazinamide	pncA_E181K	R	Yadon et. al., Nature Communications 2017 Sep 19

Table S3: For each drug (for which the phenotype is marked with an * in the table below, and presented in the order 'isoniazid, rifampicin, ethambutol, pyrazinamide'), against each possible combination of phenotypes among the other three drugs, the negative predictive value was calculated for a prevalence of resistance to the drug in question between 1%-100%. The formula by which the NPV was calculated is: specificity*(1- prevalence)/(specificity*(1-prevalence)+(1-sensitivity)*prevalence).

-SSS				-RSS				-RRS				-SRS			
Prevalence of isoniazid resistance	Sensitivity	Specificity	Negative Predictive Value	Prevalence of isoniazid resistance	Sensitivity	Specificity	Negative Predictive Value	Prevalence of isoniazid resistance	Sensitivity	Specificity	Negative Predictive Value	Prevalence of isoniazid resistance	Sensitivity	Specificity	Negative Predictive Value
1	92.9	99.6	99.9	1	95.6	92.4	100.0	1	99.3	50.0	100.0	1	85.7	100.0	99.9
2	92.9	99.6	99.9	2	95.6	92.4	99.9	2	99.3	50.0	100.0	2	85.7	100.0	99.7
3	92.9	99.6	99.8	3	95.6	92.4	99.9	3	99.3	50.0	100.0	3	85.7	100.0	99.6
4	92.9	99.6	99.7	4	95.6	92.4	99.8	4	99.3	50.0	99.9	4	85.7	100.0	99.4
5	92.9	99.6	99.6	5	95.6	92.4	99.8	5	99.3	50.0	99.9	5	85.7	100.0	99.3
6	92.9	99.6	99.5	6	95.6	92.4	99.7	6	99.3	50.0	99.9	6	85.7	100.0	99.1
7	92.9	99.6	99.5	7	95.6	92.4	99.6	7	99.3	50.0	99.9	7	85.7	100.0	98.9
8	92.9	99.6	99.4	8	95.6	92.4	99.6	8	99.3	50.0	99.9	8	85.7	100.0	98.8
9	92.9	99.6	99.3	9	95.6	92.4	99.5	9	99.3	50.0	99.9	9	85.7	100.0	98.6
10	92.9	99.6	99.2	10	95.6	92.4	99.5	10	99.3	50.0	99.8	10	85.7	100.0	98.4
11	92.9	99.6	99.1	11	95.6	92.4	99.4	11	99.3	50.0	99.8	11	85.7	100.0	98.3
12	92.9	99.6	99.0	12	95.6	92.4	99.4	12	99.3	50.0	99.8	12	85.7	100.0	98.1
13	92.9	99.6	98.9	13	95.6	92.4	99.3	13	99.3	50.0	99.8	13	85.7	100.0	97.9
14	92.9	99.6	98.8	14	95.6	92.4	99.2	14	99.3	50.0	99.8	14	85.7	100.0	97.7
15	92.9	99.6	98.8	15	95.6	92.4	99.2	15	99.3	50.0	99.8	15	85.7	100.0	97.5
16	92.9	99.6	98.7	16	95.6	92.4	99.1	16	99.3	50.0	99.7	16	85.7	100.0	97.4
17	92.9	99.6	98.6	17	95.6	92.4	99.0	17	99.3	50.0	99.7	17	85.7	100.0	97.2
18	92.9	99.6	98.5	18	95.6	92.4	99.0	18	99.3	50.0	99.7	18	85.7	100.0	97.0
19	92.9	99.6	98.3	19	95.6	92.4	98.9	19	99.3	50.0	99.7	19	85.7	100.0	96.8
20	92.9	99.6	98.2	20	95.6	92.4	98.8	20	99.3	50.0	99.6	20	85.7	100.0	96.6
21	92.9	99.6	98.1	21	95.6	92.4	98.8	21	99.3	50.0	99.6	21	85.7	100.0	96.3
22	92.9	99.6	98.0	22	95.6	92.4	98.7	22	99.3	50.0	99.6	22	85.7	100.0	96.1
23	92.9	99.6	97.9	23	95.6	92.4	98.6	23	99.3	50.0	99.6	23	85.7	100.0	95.9
24	92.9	99.6	97.8	24	95.6	92.4	98.5	24	99.3	50.0	99.6	24	85.7	100.0	95.7
25	92.9	99.6	97.7	25	95.6	92.4	98.4	25	99.3	50.0	99.5	25	85.7	100.0	95.5
26	92.9	99.6	97.5	26	95.6	92.4	98.4	26	99.3	50.0	99.5	26	85.7	100.0	95.2
27	92.9	99.6	97.4	27	95.6	92.4	98.3	27	99.3	50.0	99.5	27	85.7	100.0	95.0
28	92.9	99.6	97.3	28	95.6	92.4	98.2	28	99.3	50.0	99.5	28	85.7	100.0	94.7
29	92.9	99.6	97.2	29	95.6	92.4	98.1	29	99.3	50.0	99.4	29	85.7	100.0	94.5
30	92.9	99.6	97.0	30	95.6	92.4	98.0	30	99.3	50.0	99.4	30	85.7	100.0	94.2
31	92.9	99.6	96.9	31	95.6	92.4	97.9	31	99.3	50.0	99.4	31	85.7	100.0	94.0
32	92.9	99.6	96.7	32	95.6	92.4	97.8	32	99.3	50.0	99.3	32	85.7	100.0	93.7
33	92.9	99.6	96.6	33	95.6	92.4	97.7	33	99.3	50.0	99.3	33	85.7	100.0	93.4
34	92.9	99.6	96.4	34	95.6	92.4	97.6	34	99.3	50.0	99.3	34	85.7	100.0	93.1
35	92.9	99.6	96.3	35	95.6	92.4	97.5	35	99.3	50.0	99.2	35	85.7	100.0	92.9
36	92.9	99.6	96.1	36	95.6	92.4	97.4	36	99.3	50.0	99.2	36	85.7	100.0	92.6
37	92.9	99.6	96.0	37	95.6	92.4	97.3	37	99.3	50.0	99.2	37	85.7	100.0	92.3
38	92.9	99.6	95.8	38	95.6	92.4	97.2	38	99.3	50.0	99.1	38	85.7	100.0	91.9
39	92.9	99.6	95.6	39	95.6	92.4	97.1	39	99.3	50.0	99.1	39	85.7	100.0	91.6
40	92.9	99.6	95.4	40	95.6	92.4	96.9	40	99.3	50.0	99.1	40	85.7	100.0	91.3
41	92.9	99.6	95.3	41	95.6	92.4	96.8	41	99.3	50.0	99.0	41	85.7	100.0	91.0
42	92.9	99.6	95.1	42	95.6	92.4	96.7	42	99.3	50.0	99.0	42	85.7	100.0	90.6
43	92.9	99.6	94.9	43	95.6	92.4	96.6	43	99.3	50.0	99.0	43	85.7	100.0	90.3
44	92.9	99.6	94.7	44	95.6	92.4	96.4	44	99.3	50.0	98.9	44	85.7	100.0	89.9
45	92.9	99.6	94.5	45	95.6	92.4	96.3	45	99.3	50.0	98.9	45	85.7	100.0	89.5
46	92.9	99.6	94.3	46	95.6	92.4	96.1	46	99.3	50.0	98.8	46	85.7	100.0	89.2
47	92.9	99.6	94.0	47	95.6	92.4	96.0	47	99.3	50.0	98.8	47	85.7	100.0	88.8
48	92.9	99.6	93.8	48	95.6	92.4	95.8	48	99.3	50.0	98.7	48	85.7	100.0	88.3
49	92.9	99.6	93.6	49	95.6	92.4	95.6	49	99.3	50.0	98.7	49	85.7	100.0	87.9
50	92.9	99.6	93.3	50	95.6	92.4	95.5	50	99.3	50.0	98.6	50	85.7	100.0	87.5
51	92.9	99.6	93.1	51	95.6	92.4	95.3	51	99.3	50.0	98.6	51	85.7	100.0	87.1
52	92.9	99.6	92.8	52	95.6	92.4	95.1	52	99.3	50.0	98.5	52	85.7	100.0	86.6
53	92.9	99.6	92.5	53	95.6	92.4	94.9	53	99.3	50.0	98.4	53	85.7	100.0	86.1
54	92.9	99.6	92.2	54	95.6	92.4	94.7	54	99.3	50.0	98.4	54	85.7	100.0	85.6
55	92.9	99.6	92.0	55	95.6	92.4	94.5	55	99.3	50.0	98.3	55	85.7	100.0	85.1
56	92.9	99.6	91.7	56	95.6	92.4	94.3	56	99.3	50.0	98.2	56	85.7	100.0	84.6
57	92.9	99.6	91.3	57	95.6	92.4	94.1	57	99.3	50.0	98.2	57	85.7	100.0	84.1
58	92.9	99.6	91.0	58	95.6	92.4	93.9	58	99.3	50.0	98.1	58	85.7	100.0	83.5
59	92.9	99.6	90.7	59	95.6	92.4	93.6	59	99.3	50.0	98.0	59	85.7	100.0	82.9
60	92.9	99.6	90.3	60	95.6	92.4	93.4	60	99.3	50.0	97.9	60	85.7	100.0	82.4
61	92.9	99.6	89.9	61	95.6	92.4	93.1	61	99.3	50.0	97.8	61	85.7	100.0	81.7
62	92.9	99.6	89.5	62	95.6	92.4	92.8	62	99.3	50.0	97.8	62	85.7	100.0	81.1
63	92.9	99.6	89.1	63	95.6	92.4	92.5	63	99.3	50.0	97.7	63	85.7	100.0	80.4
64	92.9	99.6	88.7	64	95.6	92.4	92.2	64	99.3	50.0	97.6	64	85.7	100.0	79.7
65	92.9	99.6	88.3	65	95.6	92.4	91.9	65	99.3	50.0	97.5	65	85.7	100.0	79.0
66	92.9	99.6	87.8	66	95.6	92.4	91.6	66	99.3	50.0	97.3	66	85.7	100.0	78.3
67	92.9	99.6	87.3	67	95.6	92.4	91.2	67	99.3	50.0	97.2	67	85.7	100.0	77.5
68	92.9	99.6	86.8	68	95.6	92.4	90.9	68	99.3	50.0	97.1	68	85.7	100.0	76.7
69	92.9	99.6	86.3	69	95.6	92.4	90.5	69	99.3	50.0	97.0	69	85.7	100.0	75.9
70	92.9	99.6	85.7	70	95.6	92.4	90.1	70	99.3	50.0	96.8	70	85.7	100.0	75.0
71	92.9	99.6	85.1	71	95.6	92.4	89.6	71	99.3	50.0	96.7	71	85.7	100.0	74.1
72	92.9	99.6	84.5	72	95.6	92.4	89.1	72	99.3	50.0	96.5	72	85.7	100.0	73.1
73	92.9	99.6	83.8	73	95.6	92.4	88.7	73	99.3	50.0	96.3	73	85.7	100.0	72.1
74	92.9	99.6	83.1	74	95.6	92.4	88.1	74	99.3	50.0	96.2	74	85.7	100.0	71.1
75	92.9	99.6	82.3												

-SSR				-RRR				-RSR				-SRR			
Prevalence of isoniazid resistance	Sensitivity	Specificity	Negative Predictive Value	Prevalence of isoniazid resistance	Sensitivity	Specificity	Negative Predictive Value	Prevalence of isoniazid resistance	Sensitivity	Specificity	Negative Predictive Value	Prevalence of isoniazid resistance	Sensitivity	Specificity	Negative Predictive Value
1	96.0	100.0	100.0	1	99.5 n/a	n/a		1	98.6	100.0	100.0	1	100.0	n/a	n/a
2	96.0	100.0	99.9	2	99.5 n/a	n/a		2	98.6	100.0	100.0	2	100.0	n/a	n/a
3	96.0	100.0	99.9	3	99.5 n/a	n/a		3	98.6	100.0	100.0	3	100.0	n/a	n/a
4	96.0	100.0	99.8	4	99.5 n/a	n/a		4	98.6	100.0	99.9	4	100.0	n/a	n/a
5	96.0	100.0	99.8	5	99.5 n/a	n/a		5	98.6	100.0	99.9	5	100.0	n/a	n/a
6	96.0	100.0	99.7	6	99.5 n/a	n/a		6	98.6	100.0	99.9	6	100.0	n/a	n/a
7	96.0	100.0	99.7	7	99.5 n/a	n/a		7	98.6	100.0	99.9	7	100.0	n/a	n/a
8	96.0	100.0	99.7	8	99.5 n/a	n/a		8	98.6	100.0	99.9	8	100.0	n/a	n/a
9	96.0	100.0	99.6	9	99.5 n/a	n/a		9	98.6	100.0	99.9	9	100.0	n/a	n/a
10	96.0	100.0	99.6	10	99.5 n/a	n/a		10	98.6	100.0	99.8	10	100.0	n/a	n/a
11	96.0	100.0	99.5	11	99.5 n/a	n/a		11	98.6	100.0	99.8	11	100.0	n/a	n/a
12	96.0	100.0	99.5	12	99.5 n/a	n/a		12	98.6	100.0	99.8	12	100.0	n/a	n/a
13	96.0	100.0	99.4	13	99.5 n/a	n/a		13	98.6	100.0	99.8	13	100.0	n/a	n/a
14	96.0	100.0	99.4	14	99.5 n/a	n/a		14	98.6	100.0	99.8	14	100.0	n/a	n/a
15	96.0	100.0	99.3	15	99.5 n/a	n/a		15	98.6	100.0	99.8	15	100.0	n/a	n/a
16	96.0	100.0	99.2	16	99.5 n/a	n/a		16	98.6	100.0	99.7	16	100.0	n/a	n/a
17	96.0	100.0	99.2	17	99.5 n/a	n/a		17	98.6	100.0	99.7	17	100.0	n/a	n/a
18	96.0	100.0	99.1	18	99.5 n/a	n/a		18	98.6	100.0	99.7	18	100.0	n/a	n/a
19	96.0	100.0	99.1	19	99.5 n/a	n/a		19	98.6	100.0	99.7	19	100.0	n/a	n/a
20	96.0	100.0	99.0	20	99.5 n/a	n/a		20	98.6	100.0	99.7	20	100.0	n/a	n/a
21	96.0	100.0	98.9	21	99.5 n/a	n/a		21	98.6	100.0	99.6	21	100.0	n/a	n/a
22	96.0	100.0	98.9	22	99.5 n/a	n/a		22	98.6	100.0	99.6	22	100.0	n/a	n/a
23	96.0	100.0	98.8	23	99.5 n/a	n/a		23	98.6	100.0	99.6	23	100.0	n/a	n/a
24	96.0	100.0	98.8	24	99.5 n/a	n/a		24	98.6	100.0	99.6	24	100.0	n/a	n/a
25	96.0	100.0	98.7	25	99.5 n/a	n/a		25	98.6	100.0	99.5	25	100.0	n/a	n/a
26	96.0	100.0	98.6	26	99.5 n/a	n/a		26	98.6	100.0	99.5	26	100.0	n/a	n/a
27	96.0	100.0	98.5	27	99.5 n/a	n/a		27	98.6	100.0	99.5	27	100.0	n/a	n/a
28	96.0	100.0	98.5	28	99.5 n/a	n/a		28	98.6	100.0	99.5	28	100.0	n/a	n/a
29	96.0	100.0	98.4	29	99.5 n/a	n/a		29	98.6	100.0	99.4	29	100.0	n/a	n/a
30	96.0	100.0	98.3	30	99.5 n/a	n/a		30	98.6	100.0	99.4	30	100.0	n/a	n/a
31	96.0	100.0	98.2	31	99.5 n/a	n/a		31	98.6	100.0	99.4	31	100.0	n/a	n/a
32	96.0	100.0	98.2	32	99.5 n/a	n/a		32	98.6	100.0	99.4	32	100.0	n/a	n/a
33	96.0	100.0	98.1	33	99.5 n/a	n/a		33	98.6	100.0	99.3	33	100.0	n/a	n/a
34	96.0	100.0	98.0	34	99.5 n/a	n/a		34	98.6	100.0	99.3	34	100.0	n/a	n/a
35	96.0	100.0	97.9	35	99.5 n/a	n/a		35	98.6	100.0	99.3	35	100.0	n/a	n/a
36	96.0	100.0	97.8	36	99.5 n/a	n/a		36	98.6	100.0	99.2	36	100.0	n/a	n/a
37	96.0	100.0	97.7	37	99.5 n/a	n/a		37	98.6	100.0	99.2	37	100.0	n/a	n/a
38	96.0	100.0	97.6	38	99.5 n/a	n/a		38	98.6	100.0	99.2	38	100.0	n/a	n/a
39	96.0	100.0	97.5	39	99.5 n/a	n/a		39	98.6	100.0	99.1	39	100.0	n/a	n/a
40	96.0	100.0	97.4	40	99.5 n/a	n/a		40	98.6	100.0	99.1	40	100.0	n/a	n/a
41	96.0	100.0	97.3	41	99.5 n/a	n/a		41	98.6	100.0	99.1	41	100.0	n/a	n/a
42	96.0	100.0	97.2	42	99.5 n/a	n/a		42	98.6	100.0	99.0	42	100.0	n/a	n/a
43	96.0	100.0	97.1	43	99.5 n/a	n/a		43	98.6	100.0	99.0	43	100.0	n/a	n/a
44	96.0	100.0	97.0	44	99.5 n/a	n/a		44	98.6	100.0	98.9	44	100.0	n/a	n/a
45	96.0	100.0	96.8	45	99.5 n/a	n/a		45	98.6	100.0	98.9	45	100.0	n/a	n/a
46	96.0	100.0	96.7	46	99.5 n/a	n/a		46	98.6	100.0	98.9	46	100.0	n/a	n/a
47	96.0	100.0	96.6	47	99.5 n/a	n/a		47	98.6	100.0	98.8	47	100.0	n/a	n/a
48	96.0	100.0	96.4	48	99.5 n/a	n/a		48	98.6	100.0	98.8	48	100.0	n/a	n/a
49	96.0	100.0	96.3	49	99.5 n/a	n/a		49	98.6	100.0	98.7	49	100.0	n/a	n/a
50	96.0	100.0	96.2	50	99.5 n/a	n/a		50	98.6	100.0	98.7	50	100.0	n/a	n/a
51	96.0	100.0	96.0	51	99.5 n/a	n/a		51	98.6	100.0	98.6	51	100.0	n/a	n/a
52	96.0	100.0	95.8	52	99.5 n/a	n/a		52	98.6	100.0	98.5	52	100.0	n/a	n/a
53	96.0	100.0	95.7	53	99.5 n/a	n/a		53	98.6	100.0	98.5	53	100.0	n/a	n/a
54	96.0	100.0	95.5	54	99.5 n/a	n/a		54	98.6	100.0	98.4	54	100.0	n/a	n/a
55	96.0	100.0	95.3	55	99.5 n/a	n/a		55	98.6	100.0	98.4	55	100.0	n/a	n/a
56	96.0	100.0	95.2	56	99.5 n/a	n/a		56	98.6	100.0	98.3	56	100.0	n/a	n/a
57	96.0	100.0	95.0	57	99.5 n/a	n/a		57	98.6	100.0	98.2	57	100.0	n/a	n/a
58	96.0	100.0	94.8	58	99.5 n/a	n/a		58	98.6	100.0	98.2	58	100.0	n/a	n/a
59	96.0	100.0	94.6	59	99.5 n/a	n/a		59	98.6	100.0	98.1	59	100.0	n/a	n/a
60	96.0	100.0	94.3	60	99.5 n/a	n/a		60	98.6	100.0	98.0	60	100.0	n/a	n/a
61	96.0	100.0	94.1	61	99.5 n/a	n/a		61	98.6	100.0	97.9	61	100.0	n/a	n/a
62	96.0	100.0	93.9	62	99.5 n/a	n/a		62	98.6	100.0	97.8	62	100.0	n/a	n/a
63	96.0	100.0	93.6	63	99.5 n/a	n/a		63	98.6	100.0	97.7	63	100.0	n/a	n/a
64	96.0	100.0	93.4	64	99.5 n/a	n/a		64	98.6	100.0	97.6	64	100.0	n/a	n/a
65	96.0	100.0	93.1	65	99.5 n/a	n/a		65	98.6	100.0	97.5	65	100.0	n/a	n/a
66	96.0	100.0	92.8	66	99.5 n/a	n/a		66	98.6	100.0	97.4	66	100.0	n/a	n/a
67	96.0	100.0	92.5	67	99.5 n/a	n/a		67	98.6	100.0	97.3	67	100.0	n/a	n/a
68	96.0	100.0	92.2	68	99.5 n/a	n/a		68	98.6	100.0	97.2	68	100.0	n/a	n/a
69	96.0	100.0	91.8	69	99.5 n/a	n/a		69	98.6	100.0	97.1	69	100.0	n/a	n/a
70	96.0	100.0	91.5	70	99.5 n/a	n/a		70	98.6	100.0	96.9	70	100.0	n/a	n/a
71	96.0	100.0	91.1	71	99.5 n/a	n/a		71	98.6	100.0	96.8	71	100.0	n/a	n/a
72	96.0	100.0	90.7	72	99.5 n/a	n/a		72	98.6	100.0	96.6	72	100.0	n/a	n/a
73	96.0	100.0	90.2	73	99.5 n/a	n/a		73	98.6	100.0	96.4	73	100.0	n/a	n/a
74	96.0	100.0	89.8	74	99.5 n/a	n/a		74	98.6	100.0	96.3	74	100.0	n/a	n/a
75	96.0	100.0	89.3	75	99.5 n/a	n/a		75	98.6	100.0	96.1	75	100.0	n/a	n/a
76	96.0	100.0	88.8	76	99.5 n/a	n/a		76	98.6	100.0	95.9	76	100.0	n/a	n/a
77	96.0	100.0	88.2	77	99.5 n/a	n/a		77	98.6	100.0	95.6	77	100.0	n/a	n/a
78	96.0	100.0	87.6	78	99.5 n/a	n/a		78	98.6	100.0	95.4	78	100.0	n/a	n/a
79	96.0	100.0	86.9	79	99.5 n/a	n/a		79	98.6	100.0	95.1	79	100.0	n/a	n/a
80	96.0	100.0	86.2	80	99.5 n/a	n/a		80	98.6	100.0	94.8	80	100.0	n	

S-SS				S-RS				S-SR				S-RR			
Prevalence of rifampicin resistance	Sensitivity	Specificity	Negative Predictive Value	Prevalence of rifampicin resistance	Sensitivity	Specificity	Negative Predictive Value	Prevalence of rifampicin resistance	Sensitivity	Specificity	Negative Predictive Value	Prevalence of rifampicin resistance	Sensitivity	Specificity	Negative Predictive Value
1	82.2	99.4	99.8	1	100.0	90.0	100.0	1	33.3	100.0	99.3	1	n/a	n/a	n/a
2	82.2	99.4	99.6	2	100.0	90.0	100.0	2	33.3	100.0	98.7	2	n/a	n/a	n/a
3	82.2	99.4	99.4	3	100.0	90.0	100.0	3	33.3	100.0	98.0	3	n/a	n/a	n/a
4	82.2	99.4	99.3	4	100.0	90.0	100.0	4	33.3	100.0	97.3	4	n/a	n/a	n/a
5	82.2	99.4	99.1	5	100.0	90.0	100.0	5	33.3	100.0	96.6	5	n/a	n/a	n/a
6	82.2	99.4	98.9	6	100.0	90.0	100.0	6	33.3	100.0	95.9	6	n/a	n/a	n/a
7	82.2	99.4	98.7	7	100.0	90.0	100.0	7	33.3	100.0	95.2	7	n/a	n/a	n/a
8	82.2	99.4	98.5	8	100.0	90.0	100.0	8	33.3	100.0	94.5	8	n/a	n/a	n/a
9	82.2	99.4	98.3	9	100.0	90.0	100.0	9	33.3	100.0	93.8	9	n/a	n/a	n/a
10	82.2	99.4	98.1	10	100.0	90.0	100.0	10	33.3	100.0	93.1	10	n/a	n/a	n/a
11	82.2	99.4	97.8	11	100.0	90.0	100.0	11	33.3	100.0	92.4	11	n/a	n/a	n/a
12	82.2	99.4	97.6	12	100.0	90.0	100.0	12	33.3	100.0	91.7	12	n/a	n/a	n/a
13	82.2	99.4	97.4	13	100.0	90.0	100.0	13	33.3	100.0	90.9	13	n/a	n/a	n/a
14	82.2	99.4	97.2	14	100.0	90.0	100.0	14	33.3	100.0	90.2	14	n/a	n/a	n/a
15	82.2	99.4	96.9	15	100.0	90.0	100.0	15	33.3	100.0	89.5	15	n/a	n/a	n/a
16	82.2	99.4	96.7	16	100.0	90.0	100.0	16	33.3	100.0	88.7	16	n/a	n/a	n/a
17	82.2	99.4	96.5	17	100.0	90.0	100.0	17	33.3	100.0	88.0	17	n/a	n/a	n/a
18	82.2	99.4	96.2	18	100.0	90.0	100.0	18	33.3	100.0	87.2	18	n/a	n/a	n/a
19	82.2	99.4	96.0	19	100.0	90.0	100.0	19	33.3	100.0	86.5	19	n/a	n/a	n/a
20	82.2	99.4	95.7	20	100.0	90.0	100.0	20	33.3	100.0	85.7	20	n/a	n/a	n/a
21	82.2	99.4	95.5	21	100.0	90.0	100.0	21	33.3	100.0	84.9	21	n/a	n/a	n/a
22	82.2	99.4	95.2	22	100.0	90.0	100.0	22	33.3	100.0	84.2	22	n/a	n/a	n/a
23	82.2	99.4	94.9	23	100.0	90.0	100.0	23	33.3	100.0	83.4	23	n/a	n/a	n/a
24	82.2	99.4	94.7	24	100.0	90.0	100.0	24	33.3	100.0	82.6	24	n/a	n/a	n/a
25	82.2	99.4	94.4	25	100.0	90.0	100.0	25	33.3	100.0	81.8	25	n/a	n/a	n/a
26	82.2	99.4	94.1	26	100.0	90.0	100.0	26	33.3	100.0	81.0	26	n/a	n/a	n/a
27	82.2	99.4	93.8	27	100.0	90.0	100.0	27	33.3	100.0	80.2	27	n/a	n/a	n/a
28	82.2	99.4	93.5	28	100.0	90.0	100.0	28	33.3	100.0	79.4	28	n/a	n/a	n/a
29	82.2	99.4	93.2	29	100.0	90.0	100.0	29	33.3	100.0	78.6	29	n/a	n/a	n/a
30	82.2	99.4	92.9	30	100.0	90.0	100.0	30	33.3	100.0	77.8	30	n/a	n/a	n/a
31	82.2	99.4	92.6	31	100.0	90.0	100.0	31	33.3	100.0	77.0	31	n/a	n/a	n/a
32	82.2	99.4	92.2	32	100.0	90.0	100.0	32	33.3	100.0	76.1	32	n/a	n/a	n/a
33	82.2	99.4	91.9	33	100.0	90.0	100.0	33	33.3	100.0	75.3	33	n/a	n/a	n/a
34	82.2	99.4	91.6	34	100.0	90.0	100.0	34	33.3	100.0	74.4	34	n/a	n/a	n/a
35	82.2	99.4	91.2	35	100.0	90.0	100.0	35	33.3	100.0	73.6	35	n/a	n/a	n/a
36	82.2	99.4	90.9	36	100.0	90.0	100.0	36	33.3	100.0	72.7	36	n/a	n/a	n/a
37	82.2	99.4	90.5	37	100.0	90.0	100.0	37	33.3	100.0	71.9	37	n/a	n/a	n/a
38	82.2	99.4	90.1	38	100.0	90.0	100.0	38	33.3	100.0	71.0	38	n/a	n/a	n/a
39	82.2	99.4	89.7	39	100.0	90.0	100.0	39	33.3	100.0	70.1	39	n/a	n/a	n/a
40	82.2	99.4	89.3	40	100.0	90.0	100.0	40	33.3	100.0	69.2	40	n/a	n/a	n/a
41	82.2	99.4	88.9	41	100.0	90.0	100.0	41	33.3	100.0	68.3	41	n/a	n/a	n/a
42	82.2	99.4	88.5	42	100.0	90.0	100.0	42	33.3	100.0	67.4	42	n/a	n/a	n/a
43	82.2	99.4	88.1	43	100.0	90.0	100.0	43	33.3	100.0	66.5	43	n/a	n/a	n/a
44	82.2	99.4	87.7	44	100.0	90.0	100.0	44	33.3	100.0	65.6	44	n/a	n/a	n/a
45	82.2	99.4	87.2	45	100.0	90.0	100.0	45	33.3	100.0	64.7	45	n/a	n/a	n/a
46	82.2	99.4	86.8	46	100.0	90.0	100.0	46	33.3	100.0	63.8	46	n/a	n/a	n/a
47	82.2	99.4	86.3	47	100.0	90.0	100.0	47	33.3	100.0	62.8	47	n/a	n/a	n/a
48	82.2	99.4	85.8	48	100.0	90.0	100.0	48	33.3	100.0	61.9	48	n/a	n/a	n/a
49	82.2	99.4	85.3	49	100.0	90.0	100.0	49	33.3	100.0	61.0	49	n/a	n/a	n/a
50	82.2	99.4	84.8	50	100.0	90.0	100.0	50	33.3	100.0	60.0	50	n/a	n/a	n/a
51	82.2	99.4	84.3	51	100.0	90.0	100.0	51	33.3	100.0	59.0	51	n/a	n/a	n/a
52	82.2	99.4	83.8	52	100.0	90.0	100.0	52	33.3	100.0	58.1	52	n/a	n/a	n/a
53	82.2	99.4	83.2	53	100.0	90.0	100.0	53	33.3	100.0	57.1	53	n/a	n/a	n/a
54	82.2	99.4	82.6	54	100.0	90.0	100.0	54	33.3	100.0	56.1	54	n/a	n/a	n/a
55	82.2	99.4	82.1	55	100.0	90.0	100.0	55	33.3	100.0	55.1	55	n/a	n/a	n/a
56	82.2	99.4	81.5	56	100.0	90.0	100.0	56	33.3	100.0	54.1	56	n/a	n/a	n/a
57	82.2	99.4	80.8	57	100.0	90.0	100.0	57	33.3	100.0	53.1	57	n/a	n/a	n/a
58	82.2	99.4	80.2	58	100.0	90.0	100.0	58	33.3	100.0	52.1	58	n/a	n/a	n/a
59	82.2	99.4	79.5	59	100.0	90.0	100.0	59	33.3	100.0	51.0	59	n/a	n/a	n/a
60	82.2	99.4	78.8	60	100.0	90.0	100.0	60	33.3	100.0	50.0	60	n/a	n/a	n/a
61	82.2	99.4	78.1	61	100.0	90.0	100.0	61	33.3	100.0	49.0	61	n/a	n/a	n/a
62	82.2	99.4	77.4	62	100.0	90.0	100.0	62	33.3	100.0	47.9	62	n/a	n/a	n/a
63	82.2	99.4	76.6	63	100.0	90.0	100.0	63	33.3	100.0	46.8	63	n/a	n/a	n/a
64	82.2	99.4	75.9	64	100.0	90.0	100.0	64	33.3	100.0	45.8	64	n/a	n/a	n/a
65	82.2	99.4	75.1	65	100.0	90.0	100.0	65	33.3	100.0	44.7	65	n/a	n/a	n/a
66	82.2	99.4	74.2	66	100.0	90.0	100.0	66	33.3	100.0	43.6	66	n/a	n/a	n/a
67	82.2	99.4	73.4	67	100.0	90.0	100.0	67	33.3	100.0	42.5	67	n/a	n/a	n/a
68	82.2	99.4	72.5	68	100.0	90.0	100.0	68	33.3	100.0	41.4	68	n/a	n/a	n/a
69	82.2	99.4	71.5	69	100.0	90.0	100.0	69	33.3	100.0	40.3	69	n/a	n/a	n/a
70	82.2	99.4	70.5	70	100.0	90.0	100.0	70	33.3	100.0	39.1	70	n/a	n/a	n/a
71	82.2	99.4	69.5	71	100.0	90.0	100.0	71	33.3	100.0	38.0	71	n/a	n/a	n/a
72	82.2	99.4	68.5	72	100.0	90.0	100.0	72	33.3	100.0	36.8	72	n/a	n/a	n/a
73	82.2	99.4	67.4	73	100.0	90.0	100.0	73	33.3	100.0	35.7	73	n/a	n/a	n/a
74	82.2	99.4	66.3	74	100.0	90.0	100.0	74	33.3	100.0	34.5	74	n/a	n/a	n/a
75	82.2	99.4	65.1	75	100.0	90.0	100.0	75	33.3	100.0	33.3	75	n/a	n/a	n/a
76	82.2	99.4	63.8	76	100.0	90.0	100.0	76	33.3	100.0	32.1	76	n/a	n/a	n/a
77	82.2	99.4	62.5	77	100.0	90.0	100.0	77	33.3	100.0	30.9	77	n/a	n/a	n/a
78	82.2	99.4	61.2	78	100.0	90.0	100.0	78	33.3	100.0	29.7	78	n/a	n/a	n/a
79	82.2														

R-SS				R-RS				R-SR				R-RR			
Prevalence of rifampicin resistance	Sensitivity	Specificity	Negative Predictive Value	Prevalence of rifampicin resistance	Sensitivity	Specificity	Negative Predictive Value	Prevalence of rifampicin resistance	Sensitivity	Specificity	Negative Predictive Value	Prevalence of rifampicin resistance	Sensitivity	Specificity	Negative Predictive Value
1	95.9	95.9	100.0	1	98.4	86.2	100.0	1	98.2	74.1	100.0	1	99.7	23.1	100.0
2	95.9	95.9	99.9	2	98.4	86.2	100.0	2	98.2	74.1	100.0	2	99.7	23.1	100.0
3	95.9	95.9	99.9	3	98.4	86.2	99.9	3	98.2	74.1	99.9	3	99.7	23.1	100.0
4	95.9	95.9	99.8	4	98.4	86.2	99.9	4	98.2	74.1	99.9	4	99.7	23.1	99.9
5	95.9	95.9	99.8	5	98.4	86.2	99.9	5	98.2	74.1	99.9	5	99.7	23.1	99.9
6	95.9	95.9	99.7	6	98.4	86.2	99.9	6	98.2	74.1	99.8	6	99.7	23.1	99.9
7	95.9	95.9	99.7	7	98.4	86.2	99.9	7	98.2	74.1	99.8	7	99.7	23.1	99.9
8	95.9	95.9	99.6	8	98.4	86.2	99.8	8	98.2	74.1	99.8	8	99.7	23.1	99.9
9	95.9	95.9	99.6	9	98.4	86.2	99.8	9	98.2	74.1	99.8	9	99.7	23.1	99.9
10	95.9	95.9	99.5	10	98.4	86.2	99.8	10	98.2	74.1	99.7	10	99.7	23.1	99.9
11	95.9	95.9	99.5	11	98.4	86.2	99.8	11	98.2	74.1	99.7	11	99.7	23.1	99.8
12	95.9	95.9	99.4	12	98.4	86.2	99.7	12	98.2	74.1	99.7	12	99.7	23.1	99.8
13	95.9	95.9	99.4	13	98.4	86.2	99.7	13	98.2	74.1	99.6	13	99.7	23.1	99.8
14	95.9	95.9	99.3	14	98.4	86.2	99.7	14	98.2	74.1	99.6	14	99.7	23.1	99.8
15	95.9	95.9	99.2	15	98.4	86.2	99.7	15	98.2	74.1	99.6	15	99.7	23.1	99.8
16	95.9	95.9	99.2	16	98.4	86.2	99.6	16	98.2	74.1	99.5	16	99.7	23.1	99.8
17	95.9	95.9	99.1	17	98.4	86.2	99.6	17	98.2	74.1	99.5	17	99.7	23.1	99.7
18	95.9	95.9	99.1	18	98.4	86.2	99.6	18	98.2	74.1	99.5	18	99.7	23.1	99.7
19	95.9	95.9	99.0	19	98.4	86.2	99.6	19	98.2	74.1	99.4	19	99.7	23.1	99.7
20	95.9	95.9	98.9	20	98.4	86.2	99.5	20	98.2	74.1	99.4	20	99.7	23.1	99.7
21	95.9	95.9	98.9	21	98.4	86.2	99.5	21	98.2	74.1	99.4	21	99.7	23.1	99.7
22	95.9	95.9	98.8	22	98.4	86.2	99.5	22	98.2	74.1	99.3	22	99.7	23.1	99.6
23	95.9	95.9	98.7	23	98.4	86.2	99.4	23	98.2	74.1	99.3	23	99.7	23.1	99.6
24	95.9	95.9	98.7	24	98.4	86.2	99.4	24	98.2	74.1	99.2	24	99.7	23.1	99.6
25	95.9	95.9	98.6	25	98.4	86.2	99.4	25	98.2	74.1	99.2	25	99.7	23.1	99.6
26	95.9	95.9	98.5	26	98.4	86.2	99.3	26	98.2	74.1	99.2	26	99.7	23.1	99.5
27	95.9	95.9	98.4	27	98.4	86.2	99.3	27	98.2	74.1	99.1	27	99.7	23.1	99.5
28	95.9	95.9	98.4	28	98.4	86.2	99.3	28	98.2	74.1	99.1	28	99.7	23.1	99.5
29	95.9	95.9	98.3	29	98.4	86.2	99.2	29	98.2	74.1	99.0	29	99.7	23.1	99.5
30	95.9	95.9	98.2	30	98.4	86.2	99.2	30	98.2	74.1	99.0	30	99.7	23.1	99.4
31	95.9	95.9	98.1	31	98.4	86.2	99.2	31	98.2	74.1	98.9	31	99.7	23.1	99.4
32	95.9	95.9	98.0	32	98.4	86.2	99.1	32	98.2	74.1	98.9	32	99.7	23.1	99.4
33	95.9	95.9	97.9	33	98.4	86.2	99.1	33	98.2	74.1	98.8	33	99.7	23.1	99.4
34	95.9	95.9	97.8	34	98.4	86.2	99.0	34	98.2	74.1	98.8	34	99.7	23.1	99.3
35	95.9	95.9	97.7	35	98.4	86.2	99.0	35	98.2	74.1	98.7	35	99.7	23.1	99.3
36	95.9	95.9	97.6	36	98.4	86.2	99.0	36	98.2	74.1	98.7	36	99.7	23.1	99.3
37	95.9	95.9	97.5	37	98.4	86.2	98.9	37	98.2	74.1	98.6	37	99.7	23.1	99.2
38	95.9	95.9	97.4	38	98.4	86.2	98.9	38	98.2	74.1	98.5	38	99.7	23.1	99.2
39	95.9	95.9	97.3	39	98.4	86.2	98.8	39	98.2	74.1	98.5	39	99.7	23.1	99.2
40	95.9	95.9	97.2	40	98.4	86.2	98.8	40	98.2	74.1	98.4	40	99.7	23.1	99.1
41	95.9	95.9	97.1	41	98.4	86.2	98.7	41	98.2	74.1	98.3	41	99.7	23.1	99.1
42	95.9	95.9	97.0	42	98.4	86.2	98.7	42	98.2	74.1	98.3	42	99.7	23.1	99.1
43	95.9	95.9	96.9	43	98.4	86.2	98.6	43	98.2	74.1	98.2	43	99.7	23.1	99.0
44	95.9	95.9	96.7	44	98.4	86.2	98.5	44	98.2	74.1	98.1	44	99.7	23.1	99.0
45	95.9	95.9	96.6	45	98.4	86.2	98.5	45	98.2	74.1	98.0	45	99.7	23.1	98.9
46	95.9	95.9	96.5	46	98.4	86.2	98.4	46	98.2	74.1	98.0	46	99.7	23.1	98.9
47	95.9	95.9	96.3	47	98.4	86.2	98.4	47	98.2	74.1	97.9	47	99.7	23.1	98.9
48	95.9	95.9	96.2	48	98.4	86.2	98.3	48	98.2	74.1	97.8	48	99.7	23.1	98.8
49	95.9	95.9	96.0	49	98.4	86.2	98.2	49	98.2	74.1	97.7	49	99.7	23.1	98.8
50	95.9	95.9	95.9	50	98.4	86.2	98.2	50	98.2	74.1	97.6	50	99.7	23.1	98.7
51	95.9	95.9	95.7	51	98.4	86.2	98.1	51	98.2	74.1	97.5	51	99.7	23.1	98.7
52	95.9	95.9	95.5	52	98.4	86.2	98.0	52	98.2	74.1	97.4	52	99.7	23.1	98.6
53	95.9	95.9	95.4	53	98.4	86.2	97.9	53	98.2	74.1	97.3	53	99.7	23.1	98.6
54	95.9	95.9	95.2	54	98.4	86.2	97.8	54	98.2	74.1	97.2	54	99.7	23.1	98.5
55	95.9	95.9	95.0	55	98.4	86.2	97.7	55	98.2	74.1	97.1	55	99.7	23.1	98.4
56	95.9	95.9	94.8	56	98.4	86.2	97.7	56	98.2	74.1	97.0	56	99.7	23.1	98.4
57	95.9	95.9	94.6	57	98.4	86.2	97.6	57	98.2	74.1	96.9	57	99.7	23.1	98.3
58	95.9	95.9	94.4	58	98.4	86.2	97.5	58	98.2	74.1	96.8	58	99.7	23.1	98.2
59	95.9	95.9	94.2	59	98.4	86.2	97.4	59	98.2	74.1	96.6	59	99.7	23.1	98.2
60	95.9	95.9	93.9	60	98.4	86.2	97.3	60	98.2	74.1	96.5	60	99.7	23.1	98.1
61	95.9	95.9	93.7	61	98.4	86.2	97.1	61	98.2	74.1	96.3	61	99.7	23.1	98.0
62	95.9	95.9	93.4	62	98.4	86.2	97.0	62	98.2	74.1	96.2	62	99.7	23.1	97.9
63	95.9	95.9	93.2	63	98.4	86.2	96.9	63	98.2	74.1	96.0	63	99.7	23.1	97.8
64	95.9	95.9	92.9	64	98.4	86.2	96.8	64	98.2	74.1	95.9	64	99.7	23.1	97.7
65	95.9	95.9	92.6	65	98.4	86.2	96.6	65	98.2	74.1	95.7	65	99.7	23.1	97.6
66	95.9	95.9	92.3	66	98.4	86.2	96.5	66	98.2	74.1	95.5	66	99.7	23.1	97.5
67	95.9	95.9	92.0	67	98.4	86.2	96.3	67	98.2	74.1	95.3	67	99.7	23.1	97.4
68	95.9	95.9	91.6	68	98.4	86.2	96.2	68	98.2	74.1	95.1	68	99.7	23.1	97.3
69	95.9	95.9	91.3	69	98.4	86.2	96.0	69	98.2	74.1	94.9	69	99.7	23.1	97.2
70	95.9	95.9	90.9	70	98.4	86.2	95.8	70	98.2	74.1	94.6	70	99.7	23.1	97.1
71	95.9	95.9	90.5	71	98.4	86.2	95.6	71	98.2	74.1	94.4	71	99.7	23.1	96.9
72	95.9	95.9	90.0	72	98.4	86.2	95.4	72	98.2	74.1	94.1	72	99.7	23.1	96.8
73	95.9	95.9	89.6	73	98.4	86.2	95.2	73	98.2	74.1	93.8	73	99.7	23.1	96.6
74	95.9	95.9	89.1	74	98.4	86.2	94.9	74	98.2	74.1	93.5	74	99.7	23.1	96.4
75	95.9	95.9	88.6	75	98.4	86.2	94.7	75	98.2	74.1	93.2				

SS-S				RS-S				SR-S				RR-S			
Prevalence of ethambutol resistance	Sensitivity	Specificity	Negative Predictive Value	Prevalence of ethambutol resistance	Sensitivity	Specificity	Negative Predictive Value	Prevalence of ethambutol resistance	Sensitivity	Specificity	Negative Predictive Value	Prevalence of ethambutol resistance	Sensitivity	Specificity	Negative Predictive Value
1	10.0	99.9	99.1	1	80.8	92.4	99.8	1	66.7	98.9	99.7	1	94.9	54.3	99.9
2	10.0	99.9	98.2	2	80.8	92.4	99.6	2	66.7	98.9	99.3	2	94.9	54.3	98.8
3	10.0	99.9	97.3	3	80.8	92.4	99.4	3	66.7	98.9	99.0	3	94.9	54.3	99.7
4	10.0	99.9	96.4	4	80.8	92.4	99.1	4	66.7	98.9	98.6	4	94.9	54.3	99.6
5	10.0	99.9	95.5	5	80.8	92.4	98.9	5	66.7	98.9	98.3	5	94.9	54.3	99.5
6	10.0	99.9	94.6	6	80.8	92.4	98.7	6	66.7	98.9	97.9	6	94.9	54.3	99.4
7	10.0	99.9	93.7	7	80.8	92.4	98.5	7	66.7	98.9	97.5	7	94.9	54.3	99.3
8	10.0	99.9	92.7	8	80.8	92.4	98.2	8	66.7	98.9	97.2	8	94.9	54.3	99.2
9	10.0	99.9	91.8	9	80.8	92.4	98.0	9	66.7	98.9	96.8	9	94.9	54.3	99.1
10	10.0	99.9	90.9	10	80.8	92.4	97.7	10	66.7	98.9	96.4	10	94.9	54.3	99.0
11	10.0	99.9	90.0	11	80.8	92.4	97.5	11	66.7	98.9	96.0	11	94.9	54.3	98.9
12	10.0	99.9	89.1	12	80.8	92.4	97.2	12	66.7	98.9	95.6	12	94.9	54.3	98.7
13	10.0	99.9	88.1	13	80.8	92.4	97.0	13	66.7	98.9	95.2	13	94.9	54.3	98.6
14	10.0	99.9	87.2	14	80.8	92.4	96.7	14	66.7	98.9	94.8	14	94.9	54.3	98.5
15	10.0	99.9	86.3	15	80.8	92.4	96.5	15	66.7	98.9	94.4	15	94.9	54.3	98.4
16	10.0	99.9	85.4	16	80.8	92.4	96.2	16	66.7	98.9	94.0	16	94.9	54.3	98.3
17	10.0	99.9	84.4	17	80.8	92.4	95.9	17	66.7	98.9	93.5	17	94.9	54.3	98.1
18	10.0	99.9	83.5	18	80.8	92.4	95.6	18	66.7	98.9	93.1	18	94.9	54.3	98.0
19	10.0	99.9	82.6	19	80.8	92.4	95.3	19	66.7	98.9	92.7	19	94.9	54.3	97.9
20	10.0	99.9	81.6	20	80.8	92.4	95.1	20	66.7	98.9	92.2	20	94.9	54.3	97.7
21	10.0	99.9	80.7	21	80.8	92.4	94.8	21	66.7	98.9	91.8	21	94.9	54.3	97.6
22	10.0	99.9	79.7	22	80.8	92.4	94.5	22	66.7	98.9	91.3	22	94.9	54.3	97.4
23	10.0	99.9	78.8	23	80.8	92.4	94.1	23	66.7	98.9	90.9	23	94.9	54.3	97.3
24	10.0	99.9	77.9	24	80.8	92.4	93.8	24	66.7	98.9	90.4	24	94.9	54.3	97.1
25	10.0	99.9	76.9	25	80.8	92.4	93.5	25	66.7	98.9	89.9	25	94.9	54.3	97.0
26	10.0	99.9	76.0	26	80.8	92.4	93.2	26	66.7	98.9	89.4	26	94.9	54.3	96.8
27	10.0	99.9	75.0	27	80.8	92.4	92.9	27	66.7	98.9	88.9	27	94.9	54.3	96.7
28	10.0	99.9	74.1	28	80.8	92.4	92.5	28	66.7	98.9	88.4	28	94.9	54.3	96.5
29	10.0	99.9	73.1	29	80.8	92.4	92.2	29	66.7	98.9	87.9	29	94.9	54.3	96.3
30	10.0	99.9	72.1	30	80.8	92.4	91.8	30	66.7	98.9	87.4	30	94.9	54.3	96.2
31	10.0	99.9	71.2	31	80.8	92.4	91.4	31	66.7	98.9	86.9	31	94.9	54.3	96.0
32	10.0	99.9	70.2	32	80.8	92.4	91.1	32	66.7	98.9	86.3	32	94.9	54.3	95.8
33	10.0	99.9	69.3	33	80.8	92.4	90.7	33	66.7	98.9	85.8	33	94.9	54.3	95.6
34	10.0	99.9	68.3	34	80.8	92.4	90.3	34	66.7	98.9	85.2	34	94.9	54.3	95.4
35	10.0	99.9	67.3	35	80.8	92.4	89.9	35	66.7	98.9	84.6	35	94.9	54.3	95.2
36	10.0	99.9	66.4	36	80.8	92.4	89.5	36	66.7	98.9	84.1	36	94.9	54.3	95.0
37	10.0	99.9	65.4	37	80.8	92.4	89.1	37	66.7	98.9	83.5	37	94.9	54.3	94.8
38	10.0	99.9	64.4	38	80.8	92.4	88.7	38	66.7	98.9	82.9	38	94.9	54.3	94.6
39	10.0	99.9	63.5	39	80.8	92.4	88.3	39	66.7	98.9	82.3	39	94.9	54.3	94.4
40	10.0	99.9	62.5	40	80.8	92.4	87.8	40	66.7	98.9	81.7	40	94.9	54.3	94.1
41	10.0	99.9	61.5	41	80.8	92.4	87.4	41	66.7	98.9	81.0	41	94.9	54.3	93.9
42	10.0	99.9	60.5	42	80.8	92.4	86.9	42	66.7	98.9	80.4	42	94.9	54.3	93.7
43	10.0	99.9	59.5	43	80.8	92.4	86.4	43	66.7	98.9	79.7	43	94.9	54.3	93.4
44	10.0	99.9	58.6	44	80.8	92.4	85.9	44	66.7	98.9	79.1	44	94.9	54.3	93.2
45	10.0	99.9	57.6	45	80.8	92.4	85.4	45	66.7	98.9	78.4	45	94.9	54.3	92.9
46	10.0	99.9	56.6	46	80.8	92.4	84.9	46	66.7	98.9	77.7	46	94.9	54.3	92.6
47	10.0	99.9	55.6	47	80.8	92.4	84.4	47	66.7	98.9	77.0	47	94.9	54.3	92.4
48	10.0	99.9	54.6	48	80.8	92.4	83.9	48	66.7	98.9	76.3	48	94.9	54.3	92.1
49	10.0	99.9	53.6	49	80.8	92.4	83.3	49	66.7	98.9	75.5	49	94.9	54.3	91.8
50	10.0	99.9	52.6	50	80.8	92.4	82.8	50	66.7	98.9	74.8	50	94.9	54.3	91.5
51	10.0	99.9	51.6	51	80.8	92.4	82.2	51	66.7	98.9	74.0	51	94.9	54.3	91.2
52	10.0	99.9	50.6	52	80.8	92.4	81.6	52	66.7	98.9	73.3	52	94.9	54.3	90.8
53	10.0	99.9	49.6	53	80.8	92.4	81.0	53	66.7	98.9	72.5	53	94.9	54.3	90.5
54	10.0	99.9	48.6	54	80.8	92.4	80.4	54	66.7	98.9	71.7	54	94.9	54.3	90.1
55	10.0	99.9	47.6	55	80.8	92.4	79.7	55	66.7	98.9	70.8	55	94.9	54.3	89.8
56	10.0	99.9	46.6	56	80.8	92.4	79.1	56	66.7	98.9	70.0	56	94.9	54.3	89.4
57	10.0	99.9	45.6	57	80.8	92.4	78.4	57	66.7	98.9	69.1	57	94.9	54.3	89.0
58	10.0	99.9	44.6	58	80.8	92.4	77.7	58	66.7	98.9	68.2	58	94.9	54.3	88.6
59	10.0	99.9	43.5	59	80.8	92.4	76.9	59	66.7	98.9	67.3	59	94.9	54.3	88.2
60	10.0	99.9	42.5	60	80.8	92.4	76.2	60	66.7	98.9	66.4	60	94.9	54.3	87.7
61	10.0	99.9	41.5	61	80.8	92.4	75.4	61	66.7	98.9	65.5	61	94.9	54.3	87.3
62	10.0	99.9	40.5	62	80.8	92.4	74.6	62	66.7	98.9	64.5	62	94.9	54.3	86.8
63	10.0	99.9	39.5	63	80.8	92.4	73.8	63	66.7	98.9	63.5	63	94.9	54.3	86.3
64	10.0	99.9	38.4	64	80.8	92.4	73.0	64	66.7	98.9	62.5	64	94.9	54.3	85.8
65	10.0	99.9	37.4	65	80.8	92.4	72.1	65	66.7	98.9	61.5	65	94.9	54.3	85.2
66	10.0	99.9	36.4	66	80.8	92.4	71.2	66	66.7	98.9	60.5	66	94.9	54.3	84.7
67	10.0	99.9	35.3	67	80.8	92.4	70.3	67	66.7	98.9	59.4	67	94.9	54.3	84.1
68	10.0	99.9	34.3	68	80.8	92.4	69.3	68	66.7	98.9	58.3	68	94.9	54.3	83.5
69	10.0	99.9	33.3	69	80.8	92.4	68.3	69	66.7	98.9	57.1	69	94.9	54.3	82.8
70	10.0	99.9	32.2	70	80.8	92.4	67.3	70	66.7	98.9	56.0	70	94.9	54.3	82.1
71	10.0	99.9	31.2	71	80.8	92.4	66.2	71	66.7	98.9	54.8	71	94.9	54.3	81.4
72	10.0	99.9	30.2	72	80.8	92.4	65.1	72	66.7	98.9	53.6	72	94.9	54.3	80.7
73	10.0	99.9	29.1	73	80.8	92.4	64.0	73	66.7	98.9	52.3	73	94.9	54.3	79.9
74	10.0	99.9	28.1	74	80.8	92.4	62.8	74	66.7	98.9	51.0	74	94.9	54.3	79.0
75	10.0	99.9	27.0	75	80.8	92.4	61.6	75	66.7	98.9	49.7	75	94.9		

SS-R				RS-R				SR-R				RR-R			
Prevalence of ethambutol resistance	Sensitivity	Specificity	Negative Predictive Value	Prevalence of ethambutol resistance	Sensitivity	Specificity	Negative Predictive Value	Prevalence of ethambutol resistance	Sensitivity	Specificity	Negative Predictive Value	Prevalence of ethambutol resistance	Sensitivity	Specificity	Negative Predictive Value
1	n/a	98.8	n/a	1	85.7	74.1	99.8	1	n/a	100.0	n/a	1	98.6	25.0	99.9
2	n/a	98.8	n/a	2	85.7	74.1	99.6	2	n/a	100.0	n/a	2	98.6	25.0	99.9
3	n/a	98.8	n/a	3	85.7	74.1	99.4	3	n/a	100.0	n/a	3	98.6	25.0	99.8
4	n/a	98.8	n/a	4	85.7	74.1	99.2	4	n/a	100.0	n/a	4	98.6	25.0	99.8
5	n/a	98.8	n/a	5	85.7	74.1	99.0	5	n/a	100.0	n/a	5	98.6	25.0	99.7
6	n/a	98.8	n/a	6	85.7	74.1	98.8	6	n/a	100.0	n/a	6	98.6	25.0	99.6
7	n/a	98.8	n/a	7	85.7	74.1	98.6	7	n/a	100.0	n/a	7	98.6	25.0	99.6
8	n/a	98.8	n/a	8	85.7	74.1	98.4	8	n/a	100.0	n/a	8	98.6	25.0	99.5
9	n/a	98.8	n/a	9	85.7	74.1	98.1	9	n/a	100.0	n/a	9	98.6	25.0	99.4
10	n/a	98.8	n/a	10	85.7	74.1	97.9	10	n/a	100.0	n/a	10	98.6	25.0	99.4
11	n/a	98.8	n/a	11	85.7	74.1	97.7	11	n/a	100.0	n/a	11	98.6	25.0	99.3
12	n/a	98.8	n/a	12	85.7	74.1	97.4	12	n/a	100.0	n/a	12	98.6	25.0	99.2
13	n/a	98.8	n/a	13	85.7	74.1	97.2	13	n/a	100.0	n/a	13	98.6	25.0	99.2
14	n/a	98.8	n/a	14	85.7	74.1	97.0	14	n/a	100.0	n/a	14	98.6	25.0	99.1
15	n/a	98.8	n/a	15	85.7	74.1	96.7	15	n/a	100.0	n/a	15	98.6	25.0	99.0
16	n/a	98.8	n/a	16	85.7	74.1	96.5	16	n/a	100.0	n/a	16	98.6	25.0	98.9
17	n/a	98.8	n/a	17	85.7	74.1	96.2	17	n/a	100.0	n/a	17	98.6	25.0	98.9
18	n/a	98.8	n/a	18	85.7	74.1	95.9	18	n/a	100.0	n/a	18	98.6	25.0	98.8
19	n/a	98.8	n/a	19	85.7	74.1	95.7	19	n/a	100.0	n/a	19	98.6	25.0	98.7
20	n/a	98.8	n/a	20	85.7	74.1	95.4	20	n/a	100.0	n/a	20	98.6	25.0	98.6
21	n/a	98.8	n/a	21	85.7	74.1	95.1	21	n/a	100.0	n/a	21	98.6	25.0	98.5
22	n/a	98.8	n/a	22	85.7	74.1	94.8	22	n/a	100.0	n/a	22	98.6	25.0	98.4
23	n/a	98.8	n/a	23	85.7	74.1	94.6	23	n/a	100.0	n/a	23	98.6	25.0	98.3
24	n/a	98.8	n/a	24	85.7	74.1	94.3	24	n/a	100.0	n/a	24	98.6	25.0	98.2
25	n/a	98.8	n/a	25	85.7	74.1	94.0	25	n/a	100.0	n/a	25	98.6	25.0	98.1
26	n/a	98.8	n/a	26	85.7	74.1	93.7	26	n/a	100.0	n/a	26	98.6	25.0	98.0
27	n/a	98.8	n/a	27	85.7	74.1	93.3	27	n/a	100.0	n/a	27	98.6	25.0	97.9
28	n/a	98.8	n/a	28	85.7	74.1	93.0	28	n/a	100.0	n/a	28	98.6	25.0	97.8
29	n/a	98.8	n/a	29	85.7	74.1	92.7	29	n/a	100.0	n/a	29	98.6	25.0	97.7
30	n/a	98.8	n/a	30	85.7	74.1	92.4	30	n/a	100.0	n/a	30	98.6	25.0	97.6
31	n/a	98.8	n/a	31	85.7	74.1	92.0	31	n/a	100.0	n/a	31	98.6	25.0	97.5
32	n/a	98.8	n/a	32	85.7	74.1	91.7	32	n/a	100.0	n/a	32	98.6	25.0	97.4
33	n/a	98.8	n/a	33	85.7	74.1	91.3	33	n/a	100.0	n/a	33	98.6	25.0	97.3
34	n/a	98.8	n/a	34	85.7	74.1	91.0	34	n/a	100.0	n/a	34	98.6	25.0	97.2
35	n/a	98.8	n/a	35	85.7	74.1	90.6	35	n/a	100.0	n/a	35	98.6	25.0	97.0
36	n/a	98.8	n/a	36	85.7	74.1	90.2	36	n/a	100.0	n/a	36	98.6	25.0	96.9
37	n/a	98.8	n/a	37	85.7	74.1	89.8	37	n/a	100.0	n/a	37	98.6	25.0	96.8
38	n/a	98.8	n/a	38	85.7	74.1	89.4	38	n/a	100.0	n/a	38	98.6	25.0	96.6
39	n/a	98.8	n/a	39	85.7	74.1	89.0	39	n/a	100.0	n/a	39	98.6	25.0	96.5
40	n/a	98.8	n/a	40	85.7	74.1	88.6	40	n/a	100.0	n/a	40	98.6	25.0	96.4
41	n/a	98.8	n/a	41	85.7	74.1	88.2	41	n/a	100.0	n/a	41	98.6	25.0	96.2
42	n/a	98.8	n/a	42	85.7	74.1	87.7	42	n/a	100.0	n/a	42	98.6	25.0	96.1
43	n/a	98.8	n/a	43	85.7	74.1	87.3	43	n/a	100.0	n/a	43	98.6	25.0	95.9
44	n/a	98.8	n/a	44	85.7	74.1	86.8	44	n/a	100.0	n/a	44	98.6	25.0	95.7
45	n/a	98.8	n/a	45	85.7	74.1	86.4	45	n/a	100.0	n/a	45	98.6	25.0	95.6
46	n/a	98.8	n/a	46	85.7	74.1	85.9	46	n/a	100.0	n/a	46	98.6	25.0	95.4
47	n/a	98.8	n/a	47	85.7	74.1	85.4	47	n/a	100.0	n/a	47	98.6	25.0	95.2
48	n/a	98.8	n/a	48	85.7	74.1	84.9	48	n/a	100.0	n/a	48	98.6	25.0	95.0
49	n/a	98.8	n/a	49	85.7	74.1	84.4	49	n/a	100.0	n/a	49	98.6	25.0	94.8
50	n/a	98.8	n/a	50	85.7	74.1	83.8	50	n/a	100.0	n/a	50	98.6	25.0	94.6
51	n/a	98.8	n/a	51	85.7	74.1	83.3	51	n/a	100.0	n/a	51	98.6	25.0	94.4
52	n/a	98.8	n/a	52	85.7	74.1	82.7	52	n/a	100.0	n/a	52	98.6	25.0	94.2
53	n/a	98.8	n/a	53	85.7	74.1	82.1	53	n/a	100.0	n/a	53	98.6	25.0	94.0
54	n/a	98.8	n/a	54	85.7	74.1	81.5	54	n/a	100.0	n/a	54	98.6	25.0	93.8
55	n/a	98.8	n/a	55	85.7	74.1	80.9	55	n/a	100.0	n/a	55	98.6	25.0	93.5
56	n/a	98.8	n/a	56	85.7	74.1	80.3	56	n/a	100.0	n/a	56	98.6	25.0	93.3
57	n/a	98.8	n/a	57	85.7	74.1	79.6	57	n/a	100.0	n/a	57	98.6	25.0	93.0
58	n/a	98.8	n/a	58	85.7	74.1	79.0	58	n/a	100.0	n/a	58	98.6	25.0	92.7
59	n/a	98.8	n/a	59	85.7	74.1	78.3	59	n/a	100.0	n/a	59	98.6	25.0	92.4
60	n/a	98.8	n/a	60	85.7	74.1	77.6	60	n/a	100.0	n/a	60	98.6	25.0	92.2
61	n/a	98.8	n/a	61	85.7	74.1	76.8	61	n/a	100.0	n/a	61	98.6	25.0	91.8
62	n/a	98.8	n/a	62	85.7	74.1	76.1	62	n/a	100.0	n/a	62	98.6	25.0	91.5
63	n/a	98.8	n/a	63	85.7	74.1	75.3	63	n/a	100.0	n/a	63	98.6	25.0	91.2
64	n/a	98.8	n/a	64	85.7	74.1	74.5	64	n/a	100.0	n/a	64	98.6	25.0	90.8
65	n/a	98.8	n/a	65	85.7	74.1	73.6	65	n/a	100.0	n/a	65	98.6	25.0	90.5
66	n/a	98.8	n/a	66	85.7	74.1	72.8	66	n/a	100.0	n/a	66	98.6	25.0	90.1
67	n/a	98.8	n/a	67	85.7	74.1	71.9	67	n/a	100.0	n/a	67	98.6	25.0	89.7
68	n/a	98.8	n/a	68	85.7	74.1	70.9	68	n/a	100.0	n/a	68	98.6	25.0	89.2
69	n/a	98.8	n/a	69	85.7	74.1	70.0	69	n/a	100.0	n/a	69	98.6	25.0	88.8
70	n/a	98.8	n/a	70	85.7	74.1	69.0	70	n/a	100.0	n/a	70	98.6	25.0	88.3
71	n/a	98.8	n/a	71	85.7	74.1	67.9	71	n/a	100.0	n/a	71	98.6	25.0	87.8
72	n/a	98.8	n/a	72	85.7	74.1	66.8	72	n/a	100.0	n/a	72	98.6	25.0	87.3
73	n/a	98.8	n/a	73	85.7	74.1	65.7	73	n/a	100.0	n/a	73	98.6	25.0	86.7
74	n/a	98.8	n/a	74	85.7	74.1	64.6	74	n/a	100.0	n/a	74	98.6	25.0	86.1
75	n/a	98.8	n/a	75	85.7	74.1	63.3	75	n/a	100.0	n/a	75	98.6	25.0	85.4
76	n/a	98.8	n/a	76	85.7	74.1	62.1	76	n/a	100.0	n/a	76	98.6	25.0	84.8
77	n/a	98.8	n/a	77	85.7	74.1	60.8	77	n/a	100.0	n/a	77	98.6	25.0	84.0
78	n/a	98.8	n/a	78	85.7	74.1	59.4	78	n/a	100.0	n/a	78	98.6	25.0	83.2
79	n/a	98.8	n/a	79	85.7	74.1	58.0	79	n/a	100.0	n/a	79	98.6	25.0	82.4
80	n/a	98.8	n/a	80	85.7	74.1	56.5	80	n/a	100.0	n/a	80	98.6	25.0	81.5
81	n/a	98.8	n/a	81	85.7	74.1	54.9	81	n/a	100.0	n/a	81	98.6	25.0	80.5
82	n/a	98.8	n/a												

SSS-				RSS-				RRS-				SRS-			
Prevalence of pyrazinamid e resistance	Sensitivity	Specificity	Negative Predictive Value	Prevalence of pyrazinamid e resistance	Sensitivity	Specificity	Negative Predictive Value	Prevalence of pyrazinamid e resistance	Sensitivity	Specificity	Negative Predictive Value	Prevalence of pyrazinamid e resistance	Sensitivity	Specificity	Negative Predictive Value
1	72.5	99.8	99.7	1	61.9	98.9	99.6	1	86.9	88.4	99.9	1	0.0	100.0	99.0
2	72.5	99.8	99.4	2	61.9	98.9	99.2	2	86.9	88.4	99.7	2	0.0	100.0	98.0
3	72.5	99.8	99.2	3	61.9	98.9	98.8	3	86.9	88.4	99.5	3	0.0	100.0	97.0
4	72.5	99.8	98.9	4	61.9	98.9	98.4	4	86.9	88.4	99.4	4	0.0	100.0	96.0
5	72.5	99.8	98.6	5	61.9	98.9	98.0	5	86.9	88.4	99.2	5	0.0	100.0	95.0
6	72.5	99.8	98.3	6	61.9	98.9	97.6	6	86.9	88.4	99.1	6	0.0	100.0	94.0
7	72.5	99.8	98.0	7	61.9	98.9	97.2	7	86.9	88.4	98.9	7	0.0	100.0	93.0
8	72.5	99.8	97.7	8	61.9	98.9	96.8	8	86.9	88.4	98.7	8	0.0	100.0	92.0
9	72.5	99.8	97.4	9	61.9	98.9	96.3	9	86.9	88.4	98.6	9	0.0	100.0	91.0
10	72.5	99.8	97.0	10	61.9	98.9	95.9	10	86.9	88.4	98.4	10	0.0	100.0	90.0
11	72.5	99.8	96.7	11	61.9	98.9	95.5	11	86.9	88.4	98.2	11	0.0	100.0	89.0
12	72.5	99.8	96.4	12	61.9	98.9	95.0	12	86.9	88.4	98.0	12	0.0	100.0	88.0
13	72.5	99.8	96.1	13	61.9	98.9	94.6	13	86.9	88.4	97.8	13	0.0	100.0	87.0
14	72.5	99.8	95.7	14	61.9	98.9	94.1	14	86.9	88.4	97.6	14	0.0	100.0	86.0
15	72.5	99.8	95.4	15	61.9	98.9	93.6	15	86.9	88.4	97.5	15	0.0	100.0	85.0
16	72.5	99.8	95.0	16	61.9	98.9	93.2	16	86.9	88.4	97.3	16	0.0	100.0	84.0
17	72.5	99.8	94.7	17	61.9	98.9	92.7	17	86.9	88.4	97.1	17	0.0	100.0	83.0
18	72.5	99.8	94.3	18	61.9	98.9	92.2	18	86.9	88.4	96.9	18	0.0	100.0	82.0
19	72.5	99.8	93.9	19	61.9	98.9	91.7	19	86.9	88.4	96.6	19	0.0	100.0	81.0
20	72.5	99.8	93.6	20	61.9	98.9	91.2	20	86.9	88.4	96.4	20	0.0	100.0	80.0
21	72.5	99.8	93.2	21	61.9	98.9	90.7	21	86.9	88.4	96.2	21	0.0	100.0	79.0
22	72.5	99.8	92.8	22	61.9	98.9	90.2	22	86.9	88.4	96.0	22	0.0	100.0	78.0
23	72.5	99.8	92.4	23	61.9	98.9	89.7	23	86.9	88.4	95.8	23	0.0	100.0	77.0
24	72.5	99.8	92.0	24	61.9	98.9	89.2	24	86.9	88.4	95.5	24	0.0	100.0	76.0
25	72.5	99.8	91.6	25	61.9	98.9	88.6	25	86.9	88.4	95.3	25	0.0	100.0	75.0
26	72.5	99.8	91.2	26	61.9	98.9	88.1	26	86.9	88.4	95.1	26	0.0	100.0	74.0
27	72.5	99.8	90.8	27	61.9	98.9	87.5	27	86.9	88.4	94.8	27	0.0	100.0	73.0
28	72.5	99.8	90.3	28	61.9	98.9	87.0	28	86.9	88.4	94.6	28	0.0	100.0	72.0
29	72.5	99.8	89.9	29	61.9	98.9	86.4	29	86.9	88.4	94.3	29	0.0	100.0	71.0
30	72.5	99.8	89.5	30	61.9	98.9	85.8	30	86.9	88.4	94.0	30	0.0	100.0	70.0
31	72.5	99.8	89.0	31	61.9	98.9	85.2	31	86.9	88.4	93.8	31	0.0	100.0	69.0
32	72.5	99.8	88.5	32	61.9	98.9	84.6	32	86.9	88.4	93.5	32	0.0	100.0	68.0
33	72.5	99.8	88.1	33	61.9	98.9	84.0	33	86.9	88.4	93.2	33	0.0	100.0	67.0
34	72.5	99.8	87.6	34	61.9	98.9	83.4	34	86.9	88.4	92.9	34	0.0	100.0	66.0
35	72.5	99.8	87.1	35	61.9	98.9	82.8	35	86.9	88.4	92.6	35	0.0	100.0	65.0
36	72.5	99.8	86.6	36	61.9	98.9	82.2	36	86.9	88.4	92.3	36	0.0	100.0	64.0
37	72.5	99.8	86.1	37	61.9	98.9	81.5	37	86.9	88.4	92.0	37	0.0	100.0	63.0
38	72.5	99.8	85.6	38	61.9	98.9	80.9	38	86.9	88.4	91.7	38	0.0	100.0	62.0
39	72.5	99.8	85.0	39	61.9	98.9	80.2	39	86.9	88.4	91.4	39	0.0	100.0	61.0
40	72.5	99.8	84.5	40	61.9	98.9	79.6	40	86.9	88.4	91.0	40	0.0	100.0	60.0
41	72.5	99.8	83.9	41	61.9	98.9	78.9	41	86.9	88.4	90.7	41	0.0	100.0	59.0
42	72.5	99.8	83.4	42	61.9	98.9	78.2	42	86.9	88.4	90.3	42	0.0	100.0	58.0
43	72.5	99.8	82.8	43	61.9	98.9	77.5	43	86.9	88.4	90.0	43	0.0	100.0	57.0
44	72.5	99.8	82.2	44	61.9	98.9	76.8	44	86.9	88.4	89.6	44	0.0	100.0	56.0
45	72.5	99.8	81.6	45	61.9	98.9	76.0	45	86.9	88.4	89.2	45	0.0	100.0	55.0
46	72.5	99.8	81.0	46	61.9	98.9	75.3	46	86.9	88.4	88.8	46	0.0	100.0	54.0
47	72.5	99.8	80.4	47	61.9	98.9	74.5	47	86.9	88.4	88.4	47	0.0	100.0	53.0
48	72.5	99.8	79.7	48	61.9	98.9	73.8	48	86.9	88.4	88.0	48	0.0	100.0	52.0
49	72.5	99.8	79.1	49	61.9	98.9	73.0	49	86.9	88.4	87.5	49	0.0	100.0	51.0
50	72.5	99.8	78.4	50	61.9	98.9	72.2	50	86.9	88.4	87.1	50	0.0	100.0	50.0
51	72.5	99.8	77.7	51	61.9	98.9	71.4	51	86.9	88.4	86.6	51	0.0	100.0	49.0
52	72.5	99.8	77.0	52	61.9	98.9	70.5	52	86.9	88.4	86.2	52	0.0	100.0	48.0
53	72.5	99.8	76.3	53	61.9	98.9	69.7	53	86.9	88.4	85.7	53	0.0	100.0	47.0
54	72.5	99.8	75.6	54	61.9	98.9	68.9	54	86.9	88.4	85.2	54	0.0	100.0	46.0
55	72.5	99.8	74.8	55	61.9	98.9	68.0	55	86.9	88.4	84.7	55	0.0	100.0	45.0
56	72.5	99.8	74.1	56	61.9	98.9	67.1	56	86.9	88.4	84.1	56	0.0	100.0	44.0
57	72.5	99.8	73.3	57	61.9	98.9	66.2	57	86.9	88.4	83.6	57	0.0	100.0	43.0
58	72.5	99.8	72.5	58	61.9	98.9	65.3	58	86.9	88.4	83.0	58	0.0	100.0	42.0
59	72.5	99.8	71.6	59	61.9	98.9	64.3	59	86.9	88.4	82.4	59	0.0	100.0	41.0
60	72.5	99.8	70.8	60	61.9	98.9	63.4	60	86.9	88.4	81.8	60	0.0	100.0	40.0
61	72.5	99.8	69.9	61	61.9	98.9	62.4	61	86.9	88.4	81.2	61	0.0	100.0	39.0
62	72.5	99.8	69.0	62	61.9	98.9	61.4	62	86.9	88.4	80.5	62	0.0	100.0	38.0
63	72.5	99.8	68.1	63	61.9	98.9	60.4	63	86.9	88.4	79.9	63	0.0	100.0	37.0
64	72.5	99.8	67.1	64	61.9	98.9	59.3	64	86.9	88.4	79.2	64	0.0	100.0	36.0
65	72.5	99.8	66.2	65	61.9	98.9	58.3	65	86.9	88.4	78.4	65	0.0	100.0	35.0
66	72.5	99.8	65.2	66	61.9	98.9	57.2	66	86.9	88.4	77.7	66	0.0	100.0	34.0
67	72.5	99.8	64.2	67	61.9	98.9	56.1	67	86.9	88.4	76.9	67	0.0	100.0	33.0
68	72.5	99.8	63.1	68	61.9	98.9	55.0	68	86.9	88.4	76.1	68	0.0	100.0	32.0
69	72.5	99.8	62.0	69	61.9	98.9	53.8	69	86.9	88.4	75.2	69	0.0	100.0	31.0
70	72.5	99.8	60.9	70	61.9	98.9	52.7	70	86.9	88.4	74.3	70	0.0	100.0	30.0
71	72.5	99.8	59.7	71	61.9	98.9	51.5	71	86.9	88.4	73.4	71	0.0	100.0	29.0
72	72.5	99.8	58.6	72	61.9	98.9	50.2	72	86.9	88.4	72.4	72	0.0	100.0	28.0
73	72.5	99.8	57.3	73	61.9	98.9	49.0	73	86.9	88.4	71.4	73	0.0	100.0	27.0
74	72.5	99.8	56.1	74	61.9	98.9	47.7	74	86.9	88.4	70.4	74	0.0	100.0	26.0
75	72.5	99.8</td													

RRR-				SRR-				RSR-				SSR-			
Prevalence of pyrazinamide resistance	Sensitivity	Specificity	Negative Predictive Value	Prevalence of pyrazinamide resistance	Sensitivity	Specificity	Negative Predictive Value	Prevalence of pyrazinamide resistance	Sensitivity	Specificity	Negative Predictive Value	Prevalence of pyrazinamide resistance	Sensitivity	Specificity	Negative Predictive Value
1	97.3	66.9	100.0	1 n/a	100.0	n/a		1	83.3	100.0	99.8	1 n/a	100.0	n/a	
2	97.3	66.9	99.9	2 n/a	100.0	n/a		2	83.3	100.0	99.7	2 n/a	100.0	n/a	
3	97.3	66.9	99.9	3 n/a	100.0	n/a		3	83.3	100.0	99.5	3 n/a	100.0	n/a	
4	97.3	66.9	99.8	4 n/a	100.0	n/a		4	83.3	100.0	99.3	4 n/a	100.0	n/a	
5	97.3	66.9	99.8	5 n/a	100.0	n/a		5	83.3	100.0	99.1	5 n/a	100.0	n/a	
6	97.3	66.9	99.7	6 n/a	100.0	n/a		6	83.3	100.0	98.9	6 n/a	100.0	n/a	
7	97.3	66.9	99.7	7 n/a	100.0	n/a		7	83.3	100.0	98.8	7 n/a	100.0	n/a	
8	97.3	66.9	99.6	8 n/a	100.0	n/a		8	83.3	100.0	98.6	8 n/a	100.0	n/a	
9	97.3	66.9	99.6	9 n/a	100.0	n/a		9	83.3	100.0	98.4	9 n/a	100.0	n/a	
10	97.3	66.9	99.5	10 n/a	100.0	n/a		10	83.3	100.0	98.2	10 n/a	100.0	n/a	
11	97.3	66.9	99.5	11 n/a	100.0	n/a		11	83.3	100.0	98.0	11 n/a	100.0	n/a	
12	97.3	66.9	99.4	12 n/a	100.0	n/a		12	83.3	100.0	97.8	12 n/a	100.0	n/a	
13	97.3	66.9	99.4	13 n/a	100.0	n/a		13	83.3	100.0	97.6	13 n/a	100.0	n/a	
14	97.3	66.9	99.3	14 n/a	100.0	n/a		14	83.3	100.0	97.4	14 n/a	100.0	n/a	
15	97.3	66.9	99.3	15 n/a	100.0	n/a		15	83.3	100.0	97.1	15 n/a	100.0	n/a	
16	97.3	66.9	99.2	16 n/a	100.0	n/a		16	83.3	100.0	96.9	16 n/a	100.0	n/a	
17	97.3	66.9	99.2	17 n/a	100.0	n/a		17	83.3	100.0	96.7	17 n/a	100.0	n/a	
18	97.3	66.9	99.1	18 n/a	100.0	n/a		18	83.3	100.0	96.5	18 n/a	100.0	n/a	
19	97.3	66.9	99.0	19 n/a	100.0	n/a		19	83.3	100.0	96.2	19 n/a	100.0	n/a	
20	97.3	66.9	99.0	20 n/a	100.0	n/a		20	83.3	100.0	96.0	20 n/a	100.0	n/a	
21	97.3	66.9	98.9	21 n/a	100.0	n/a		21	83.3	100.0	95.8	21 n/a	100.0	n/a	
22	97.3	66.9	98.9	22 n/a	100.0	n/a		22	83.3	100.0	95.5	22 n/a	100.0	n/a	
23	97.3	66.9	98.8	23 n/a	100.0	n/a		23	83.3	100.0	95.3	23 n/a	100.0	n/a	
24	97.3	66.9	98.7	24 n/a	100.0	n/a		24	83.3	100.0	95.0	24 n/a	100.0	n/a	
25	97.3	66.9	98.7	25 n/a	100.0	n/a		25	83.3	100.0	94.7	25 n/a	100.0	n/a	
26	97.3	66.9	98.6	26 n/a	100.0	n/a		26	83.3	100.0	94.5	26 n/a	100.0	n/a	
27	97.3	66.9	98.5	27 n/a	100.0	n/a		27	83.3	100.0	94.2	27 n/a	100.0	n/a	
28	97.3	66.9	98.4	28 n/a	100.0	n/a		28	83.3	100.0	93.9	28 n/a	100.0	n/a	
29	97.3	66.9	98.4	29 n/a	100.0	n/a		29	83.3	100.0	93.6	29 n/a	100.0	n/a	
30	97.3	66.9	98.3	30 n/a	100.0	n/a		30	83.3	100.0	93.3	30 n/a	100.0	n/a	
31	97.3	66.9	98.2	31 n/a	100.0	n/a		31	83.3	100.0	93.0	31 n/a	100.0	n/a	
32	97.3	66.9	98.1	32 n/a	100.0	n/a		32	83.3	100.0	92.7	32 n/a	100.0	n/a	
33	97.3	66.9	98.0	33 n/a	100.0	n/a		33	83.3	100.0	92.4	33 n/a	100.0	n/a	
34	97.3	66.9	97.9	34 n/a	100.0	n/a		34	83.3	100.0	92.1	34 n/a	100.0	n/a	
35	97.3	66.9	97.8	35 n/a	100.0	n/a		35	83.3	100.0	91.8	35 n/a	100.0	n/a	
36	97.3	66.9	97.7	36 n/a	100.0	n/a		36	83.3	100.0	91.4	36 n/a	100.0	n/a	
37	97.3	66.9	97.6	37 n/a	100.0	n/a		37	83.3	100.0	91.1	37 n/a	100.0	n/a	
38	97.3	66.9	97.5	38 n/a	100.0	n/a		38	83.3	100.0	90.7	38 n/a	100.0	n/a	
39	97.3	66.9	97.4	39 n/a	100.0	n/a		39	83.3	100.0	90.4	39 n/a	100.0	n/a	
40	97.3	66.9	97.3	40 n/a	100.0	n/a		40	83.3	100.0	90.0	40 n/a	100.0	n/a	
41	97.3	66.9	97.2	41 n/a	100.0	n/a		41	83.3	100.0	89.6	41 n/a	100.0	n/a	
42	97.3	66.9	97.1	42 n/a	100.0	n/a		42	83.3	100.0	89.2	42 n/a	100.0	n/a	
43	97.3	66.9	97.0	43 n/a	100.0	n/a		43	83.3	100.0	88.8	43 n/a	100.0	n/a	
44	97.3	66.9	96.9	44 n/a	100.0	n/a		44	83.3	100.0	88.4	44 n/a	100.0	n/a	
45	97.3	66.9	96.8	45 n/a	100.0	n/a		45	83.3	100.0	88.0	45 n/a	100.0	n/a	
46	97.3	66.9	96.6	46 n/a	100.0	n/a		46	83.3	100.0	87.6	46 n/a	100.0	n/a	
47	97.3	66.9	96.5	47 n/a	100.0	n/a		47	83.3	100.0	87.1	47 n/a	100.0	n/a	
48	97.3	66.9	96.4	48 n/a	100.0	n/a		48	83.3	100.0	86.7	48 n/a	100.0	n/a	
49	97.3	66.9	96.2	49 n/a	100.0	n/a		49	83.3	100.0	86.2	49 n/a	100.0	n/a	
50	97.3	66.9	96.1	50 n/a	100.0	n/a		50	83.3	100.0	85.7	50 n/a	100.0	n/a	
51	97.3	66.9	95.9	51 n/a	100.0	n/a		51	83.3	100.0	85.2	51 n/a	100.0	n/a	
52	97.3	66.9	95.7	52 n/a	100.0	n/a		52	83.3	100.0	84.7	52 n/a	100.0	n/a	
53	97.3	66.9	95.6	53 n/a	100.0	n/a		53	83.3	100.0	84.2	53 n/a	100.0	n/a	
54	97.3	66.9	95.4	54 n/a	100.0	n/a		54	83.3	100.0	83.6	54 n/a	100.0	n/a	
55	97.3	66.9	95.2	55 n/a	100.0	n/a		55	83.3	100.0	83.1	55 n/a	100.0	n/a	
56	97.3	66.9	95.0	56 n/a	100.0	n/a		56	83.3	100.0	82.5	56 n/a	100.0	n/a	
57	97.3	66.9	94.8	57 n/a	100.0	n/a		57	83.3	100.0	81.9	57 n/a	100.0	n/a	
58	97.3	66.9	94.6	58 n/a	100.0	n/a		58	83.3	100.0	81.3	58 n/a	100.0	n/a	
59	97.3	66.9	94.4	59 n/a	100.0	n/a		59	83.3	100.0	80.7	59 n/a	100.0	n/a	
60	97.3	66.9	94.2	60 n/a	100.0	n/a		60	83.3	100.0	80.0	60 n/a	100.0	n/a	
61	97.3	66.9	94.0	61 n/a	100.0	n/a		61	83.3	100.0	79.3	61 n/a	100.0	n/a	
62	97.3	66.9	93.7	62 n/a	100.0	n/a		62	83.3	100.0	78.6	62 n/a	100.0	n/a	
63	97.3	66.9	93.5	63 n/a	100.0	n/a		63	83.3	100.0	77.9	63 n/a	100.0	n/a	
64	97.3	66.9	93.2	64 n/a	100.0	n/a		64	83.3	100.0	77.1	64 n/a	100.0	n/a	
65	97.3	66.9	92.9	65 n/a	100.0	n/a		65	83.3	100.0	76.4	65 n/a	100.0	n/a	
66	97.3	66.9	92.6	66 n/a	100.0	n/a		66	83.3	100.0	75.6	66 n/a	100.0	n/a	
67	97.3	66.9	92.3	67 n/a	100.0	n/a		67	83.3	100.0	74.7	67 n/a	100.0	n/a	
68	97.3	66.9	92.0	68 n/a	100.0	n/a		68	83.3	100.0	73.8	68 n/a	100.0	n/a	
69	97.3	66.9	91.6	69 n/a	100.0	n/a		69	83.3	100.0	72.9	69 n/a	100.0	n/a	
70	97.3	66.9	91.3	70 n/a	100.0	n/a		70	83.3	100.0	72.0	70 n/a	100.0	n/a	
71	97.3	66.9	90.9	71 n/a	100.0	n/a		71	83.3	100.0	71.0	71 n/a	100.0	n/a	
72	97.3	66.9	90.5	72 n/a	100.0	n/a		72	83.3	100.0	70.0	72 n/a	100.0	n/a	
73	97.3	66.9	90.0	73 n/a	100.0	n/a		73	83.3	100.0	68.9	73 n/a	100.0	n/a	
74	97.3	66.9	89.5	74 n/a	100.0	n/a		74	83.3	100.0	67.8	74 n/a	100.0	n/a	
75	97.3	66.9	89.0	75 n/a	100.0	n/a		75	83.3	100.0	66.7	75 n/a	100.0	n/a	
76	97.3	66.9	88.5	76 n/a	100.0	n/a		76	83.3	100.0	65.5	76 n/a	100.0	n/a	
77	97.3	66.9	87.9	77 n/a	100.0	n/a		77	83.3	100.0	64.2	77 n/a	100.0	n/a	
78	97.3	66.9	87.3	78 n/a	100.0	n/a		78	83.3	100.0	62.9	78 n/a	100.0	n/a	
79	97.3	66.9	86.6	79 n/a	100.0	n/a		79	83.3	100.0	61.5	79 n/a	100.0	n/a	
80	97.3	66.9	85.9	80 n/a	100.0	n/a		80	83.3	100.0	60.0	80 n/a	100.0	n/a	

Table S4

	Resistant phenotype, n (%)					Susceptible phenotype, n (%)					PPV, (%)	NPV, (%)	Sensitivity (predictitons only) (%)	Sensitivity (all) (%)	Specificity (predictitons only) (%)	Specificity (all), (%)	No genotypic prediction made, (%)	Resistance prevalence (all) (%)	Resistance prevalence (predictions only) (%)	Resistance prevalence non deduplicated	Difference in sensitivity vs. non deduplicated results (p-value)	Difference in specificity vs. non deduplicated results (p-value)
	R	S	U	F	Total	R	S	U	F	Total												
Deduplicated for genetically identical samples																						
Isoniazid	2,672	84	84	32	2,872	61	5,502	203	108	5,874	97.8	98.5	97.0	93.0	98.9	93.7	4.9	32.8	33.1	0.7	0.7	
Rifampicin	2,388	65	6	68	2,527	77	5,935	190	137	6,339	96.9	98.9	97.4	94.5	98.7	93.6	4.5	28.5	29.0	0.7	0.9	
Ethambutol	1,226	73	86	39	1,424	409	5,979	709	64	7,161	75.0	98.8	94.4	86.1	93.6	83.5	10.5	16.6	16.9	0.9	1.0	
Pyrazinamide	740	77	105	59	981	168	5,436	170	86	5,860	81.5	98.6	90.6	75.4	97.0	92.8	6.1	14.3	12.7	0.6	0.5	
Deduplicated for isolates within 5 SNPs																						
Isoniazid	2,112	77	75	24	2,288	34	4,741	181	102	5,058	98.4	98.4	96.5	92.3	99.3	93.7	5.2	31.1	31.4	0.2	0.1	
Rifampicin	1,868	56	5	54	1,983	61	5,145	144	116	5,466	96.8	98.9	97.1	94.2	98.8	94.1	4.3	26.6	27.0	0.4	0.8	
Ethambutol	907	67	69	31	1,074	309	5,156	627	50	6,142	74.6	98.7	93.1	84.5	94.3	83.9	10.8	14.9	15.1	0.1	0.1	
Pyrazinamide	575	67	72	48	762	140	4,770	89	66	5,065	80.4	98.6	89.6	75.5	97.1	94.2	4.7	13.1	11.6	0.3	0.3	

Table S5

S5: Drug profile predictions for isolates with complete profiles

Phenotype	Prediction															Total
	RRRR	RRRS	RRSR	RRSS	RSRR	RSRS	RSSR	RSSS	SRRR	SRRS	SRSS	SSRS	SSSR	SSSS	Total	
RRRR	488	10	6	0	0	1	0	0	1	0	0	0	0	0	0	506
RRRS	95	158	3	10	0	4	1	1	0	0	1	0	0	0	0	273
RRSR	105	12	33	5	0	0	2	1	0	0	0	0	0	0	0	158
RRSS	35	92	9	176	0	0	0	4	0	1	5	0	0	0	11	333
RSRR	8	1	0	0	1	0	0	1	0	0	0	0	0	0	0	11
RSRS	0	2	0	0	0	18	0	2	0	0	0	0	0	0	3	25
RSSR	1	0	1	0	1	0	8	4	0	0	0	0	0	0	1	16
RSSS	2	4	0	8	0	22	2	306	0	0	0	0	0	0	25	369
SRRS	0	2	0	0	0	0	0	0	0	0	2	0	0	0	0	4
SRSR	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	3
SRSS	0	1	0	5	0	0	0	0	0	0	59	0	0	0	16	81
SSRS	0	0	0	0	0	0	0	0	0	0	1	0	0	0	7	8
SSSR	0	0	0	0	0	0	0	0	0	0	0	0	51	20	71	
SSSS	0	0	0	1	0	0	0	18	1	0	23	2	10	3,952	4,007	
Total	734	282	52	205	2	45	13	337	2	1	92	2	61	4,037	5,865	

All profiles are presented in the following order: Isoniazid, Rifampicin, Ethabutol, Pyrazinamide, with S indicating susceptibility and R indicating resistance.

Table S6

Result for isolates with full phenotypic drug profiles:

	Resistant phenotype, n (%)					Susceptible phenotype, n (%)					PPV, (%)	NPV, (%)	Sensitivity (predictions only) (%)	Sensitivity (all) (%)	Specificity (predictions only) (%)	Specificity (all), (%)	Specificity (all), (%)	No genotypic prediction made, (%)	Resistance prevalence (all) (%)	Resistance prevalence (predictions only) (%)
	R	S	U	F	Total	R	S	U	F	Total										
All isolates																				
Isoniazid	2,214	65	70	34	2,383	30	4,848	147	108	5,133	98.7	98.7	97.1	92.9	99.4	94.4	4.8	31.7	31.8	
Rifampicin	1,852	51	3	61	1,967	70	5,213	133	133	5,549	96.4	99.0	97.3	94.2	98.7	93.9	4.4	26.2	26.5	
Ethambutol	1,038	47	61	39	1,185	397	5,263	611	60	6,331	72.3	99.1	95.7	87.6	93.0	83.1	10.3	15.8	16.1	
Pyrazinamide	795	81	110	74	1,060	173	5,989	188	106	6,456	82.1	98.7	90.8	75.0	97.2	92.8	6.4	14.1	12.4	

Result for isolates with full phenotypic profiles for the collections that are not enriched for resistance:

Isoniazid	268	7	9	4	288	15	3,639	101	86	3,841	94.7	99.8	97.5	93.1	99.6	94.7	4.8	7.0	7.0
Rifampicin	91	0	0	8	99	28	3,794	100	108	4,030	76.5	100.0	100.0	91.9	99.3	94.1	5.2	2.4	2.3
Ethambutol	59	0	0	0	59	39	3,566	431	34	4,070	60.2	100.0	100.0	100.0	98.9	87.6	11.3	1.4	1.6
Pyrazinamide	99	6	4	5	114	26	3,917	14	58	4,015	79.2	99.8	94.3	86.8	99.3	97.6	2.0	2.8	2.6

Table S7

Drug profile predictions for collections from Germany, Italy, the Netherlands and the UK that are unenriched for resistance. Includes isolates with uncharacterised variants relevant to rifampicin, ethambutol or pyrazinamide.

Prediction	Genotypic drug profiles				Phenotype		Sensitivity %	Specificity %	PPV %	NPV %	Predictions made %		
	Inh	Rif	Emb	Pza	Pan-susceptible	Some resistance							
(a) Predicted pan-susceptible	S	S	S	S	3,008	9							
(b) Predicted pan-susceptible after inferring that 'U' mutations are consistent with susceptibility in this context	S	S	S	U	9	0							
	S	S	U	S	331	2							
	S	S	U	U	2	0							
	S	U	S	S	64	0							
	S	U	U	S	25	0							
	Total				3,439	11							
(c) Predicted to have some phenotypic resistance	R	S	R or S		12	145							
	S	R or S			25	47							
	R	R	R or S		1	77							
	Total				38	269							
Results for (a) and (c)							96.8	98.8	87.6	99.7	80.5		
Results for (a), (b) and (c)							96.1	98.9	87.6	99.7	91.0		
No prediction made (incomplete prediction)	U		S or U		91	6							
	At least one F, no R				193	6							
	At least one R and U, no F				4	43							
	At least one R and F, no U				3	24							
	At least one R, U, and F				0	2							
	Total				291	81							

PPV = Positive Predictive Value; NPV = Negative Predictive Value; Inh=Isoniazid; Rif=Rifampicin; Emb=Ethambutol; Pza=Pyrazinamide; R=resistant; S=susceptible; U=mutation of unknown association present; F=genotypic prediction failed due to missing data around a genomic resistance locus. Sensitivity, specificity, NPV and PPV are calculated including and excluding predictions of pan-susceptibility for isolates containing a 'U' mutation.

Table S8

Isolates for which the phenotypes could be re-tested or cross-checked:						
Source	Labnumber	Drug	Original reported phenotype	Mutation	Phenotype after re-testing	Results of cross-checking source database
University of Sydney	S2	Ethambutol	S	embB_G406D	Not growing	
University of Sydney	S3	Ethambutol	S	embB_M306V	R	
University of Sydney	S7	Ethambutol	S	embB_M306V	R	
University of Sydney	S8	Ethambutol	S	embB_M306I	R	
University of Sydney	S11	Ethambutol	S	embB_M306I, embB_G406S	R	
University of Sydney	S15	Ethambutol	S	embB_M306I	S	
University of Sydney	S20	Ethambutol	S	embB_M306V	Contaminated with Bacillus	
University of Sydney	S23	Ethambutol	S	embB_G406D	Could not be tested	
University of Sydney	S30	Ethambutol	S	embB_D354A	R	
University of Sydney	S33	Ethambutol	S	embB_M306V	R	
University of Sydney	S41	Ethambutol	S	embB_G406A	R	
Harvard	NLA000016764	Ethambutol	R			Clerical error - no phenotype was done for Ethambutol
Harvard	NLA000801694	Isoniazid	R			Clerical error - was tested as susceptible
Harvard	NLA000801697	Isoniazid	R			Clerical error - was tested as susceptible
Harvard	NLA000801694	Rifampicin	R			Clerical error - was tested as susceptible
Harvard	NLA000801697	Rifampicin	R			Clerical error - was tested as susceptible
Netherlands	NL491	Ethambutol	R			Clerical error - this was reported as susceptible by MGIT, resistant by MIC plate (10 mg/l)
Netherlands	NL294	Ethambutol	S	embB_M306I		Susceptible by MGIT, resistant by MIC plate (10 mg/l)
Netherlands	NL241	Ethambutol	S	embB_M306V		Susceptible by MGIT, resistant by MIC plate (10 mg/l)
Netherlands	NL294	Pyrazinamide	S	pncA_F58L		Susceptible in MGIT at 100mg/l (x3) but resistant at 25mg/l (x1) and 50mg/l (x1), therefore can be considered intermediate
Peru	14722_6_10	Rifampicin	R		S	
Peru	14722_6_13	Isoniazid	S	fabG1_C-15T	S	
Peru	14722_6_21	Isoniazid	R		S	
Peru	14722_6_36	Rifampicin	S	rpoB_D435F	R	
Peru	14722_6_38	Isoniazid	S	fabG1_C-15T	S	
Peru	14722_6_41	Rifampicin	S	rpoB_D435F	R	
Peru	14722_6_59	Isoniazid	S	fabG1_G-17T	S	
Peru	14722_6_86	Isoniazid	S	fabG1_C-15T	S	
Peru	14892_2_37	Rifampicin	S	rpoB_D435V	R	
Peru	14892_2_59	Isoniazid	S	fabG1_G-17T	S	
Peru	14893_2_23	Isoniazid	S	fabG1_C-15T	S	
Peru	14893_2_45	Isoniazid	S	fabG1_C-15T	S	
Peru	14893_2_48	Isoniazid	S	fabG1_C-15T	S	
Peru	14893_2_52	Isoniazid	S	fabG1_G-17T	S	
Peru	14893_2_64	Isoniazid	R		R	
Peru	15277_3_57	Isoniazid	S	fabG1_C-15T	S	

Performance over whole data set of variants consistent with susceptibility that were present in phenotypically resistant isolates. Variants only shown where they feature as the only variant relevant to a drug in an isolate

Performance over whole data set of resistance variants that were found in susceptible isolates. Variants only counted where they feature as the only resistant-variant relevant to a drug in an isolate

Drug	Variant	Phenotypically resistant	Phenotypically susceptible	Drug	Variant	Phenotypically resistant	Phenotypically susceptible
Isoniazid	ahpC_C-52T	1	0	Isoniazid	fabG1_C-15T	228	21
Isoniazid	fabG1_S126N	1	5	Isoniazid	fabG1_G-17T	7	3
Isoniazid	inhA_C-40T	1	208	Isoniazid	fabG1_L203L	55	28
Isoniazid	katG_C-85T	3	63	Isoniazid	fabG1_T-8A	7	3
Isoniazid	katG_T475I	1	10	Isoniazid	fabG1_T-8C	4	1
				Isoniazid	inhA_J21T	1	1
				Isoniazid	inhA_S94A	4	3
Ethambutol	embA_G-43C	3	4	Isoniazid	katG_1438_indel	0	1
Ethambutol	embB_D1024N	5	5	Isoniazid	katG_2005_indel	2	1
Ethambutol	embB_D328H	2	3	Isoniazid	katG_606_indel	0	1
Ethambutol	embB_E504D	2	0	Rifampicin	rpoB_D435A	0	1
Ethambutol	embB_G-6A	1	26	Rifampicin	rpoB_D435F	8	2
Ethambutol	embB_H1002R	7	3	Rifampicin	rpoB_D435G	2	2
Ethambutol	embB_Q497P	2	18	Rifampicin	rpoB_D435V	181	2
Ethambutol	embB_T1082A	1	29	Rifampicin	rpoB_D435Y	29	13
Ethambutol	embC_A774S	1	0	Rifampicin	rpoB_D545E	0	3
Pyrazinamide	pncA_D63A	2	0	Rifampicin	rpoB_H445N	9	10
				Rifampicin	rpoB_H445R	24	1
				Rifampicin	rpoB_H445Y	141	2
				Rifampicin	rpoB_I491F	40	7
				Rifampicin	rpoB_L430P	12	22
				Rifampicin	rpoB_L452M	0	1
				Rifampicin	rpoB_L452P	39	9
				Rifampicin	rpoB_M434I	1	0
				Rifampicin	rpoB_Q432P	6	1
				Rifampicin	rpoB_S450W	56	1
				Rifampicin	rpoB_V359A	0	2
				Ethambutol	embA_C-12T	28	24
				Ethambutol	embA_C-16G	22	3
				Ethambutol	embA_C-16T	12	7
				Ethambutol	embB_D328Y	8	2
				Ethambutol	embB_D354A	107	93
				Ethambutol	embB_G406A	53	21
				Ethambutol	embB_G406D	36	38
				Ethambutol	embB_G406S	19	3
				Ethambutol	embB_M306I	320	130
				Ethambutol	embB_M306L	26	10
				Ethambutol	embB_M306V	512	98
				Ethambutol	embB_Q497K	15	6
				Ethambutol	embB_Q497R	122	28
				Pyrazinamide pncA_-30_indel	0	1	
				Pyrazinamide pncA_-3_indel	0	3	
				Pyrazinamide pncA_-5_indel	7	4	
				Pyrazinamide pncA_-79_indel	1	1	
				Pyrazinamide pncA_-868_indel	0	1	
				Pyrazinamide pncA_189_indel	0	1	
				Pyrazinamide pncA_193_indel	2	1	
				Pyrazinamide pncA_220_indel	0	1	
				Pyrazinamide pncA_256_indel	1	1	
				Pyrazinamide pncA_303_indel	0	1	
				Pyrazinamide pncA_382_indel	1	1	
				Pyrazinamide pncA_386_indel	3	1	
				Pyrazinamide pncA_391_indel	19	1	
				Pyrazinamide pncA_407_indel	4	1	
				Pyrazinamide pncA_408_indel	1	2	
				Pyrazinamide pncA_417_indel	3	1	
				Pyrazinamide pncA_478_indel	0	1	
				Pyrazinamide pncA_501_indel	0	1	
				Pyrazinamide pncA_62_indel	0	1	
				Pyrazinamide pncA_80_indel	0	1	
				Pyrazinamide pncA_A-11G	38	14	
				Pyrazinamide pncA_A102P	3	1	
				Pyrazinamide pncA_A134V	4	1	
				Pyrazinamide pncA_A143D	1	1	
				Pyrazinamide pncA_A146T	1	1	
				Pyrazinamide pncA_A171E	0	1	
				Pyrazinamide pncA_A171T	1	5	
				Pyrazinamide pncA_A46V	2	1	
				Pyrazinamide pncA_C14R	6	2	
				Pyrazinamide pncA_D12A	4	9	
				Pyrazinamide pncA_D12E	2	1	
				Pyrazinamide pncA_D12G	3	1	
				Pyrazinamide pncA_D136N	0	2	
				Pyrazinamide pncA_D49G	3	1	
				Pyrazinamide pncA_D63G	0	4	
				Pyrazinamide pncA_D63H	1	1	

Pyrazinamide pncA_D8G	6	1
Pyrazinamide pncA_D8N	2	1
Pyrazinamide pncA_F13V	0	2
Pyrazinamide pncA_F58L	3	3
Pyrazinamide pncA_F81S	0	2
Pyrazinamide pncA_F81V	0	2
Pyrazinamide pncA_F94C	2	1
Pyrazinamide pncA_F94L	2	3
Pyrazinamide pncA_G108R	2	1
Pyrazinamide pncA_G124S	0	1
Pyrazinamide pncA_G132A	4	2
Pyrazinamide pncA_G17D	1	1
Pyrazinamide pncA_G24D	4	1
Pyrazinamide pncA_G78C	0	1
Pyrazinamide pncA_G97D	24	4
Pyrazinamide pncA_H51R	12	1
Pyrazinamide pncA_H57D	70	3
Pyrazinamide pncA_H71R	2	4
Pyrazinamide pncA_H71Y	17	3
Pyrazinamide pncA_I31T	0	1
Pyrazinamide pncA_I5T	0	1
Pyrazinamide pncA_K48E	1	1
Pyrazinamide pncA_K48T	6	8
Pyrazinamide pncA_K96Q	0	2
Pyrazinamide pncA_K96R	8	2
Pyrazinamide pncA_L116P	2	1
Pyrazinamide pncA_L151S	8	4
Pyrazinamide pncA_L172P	5	1
Pyrazinamide pncA_L182S	1	3
Pyrazinamide pncA_L19P	3	1
Pyrazinamide pncA_L27P	4	2
Pyrazinamide pncA_L35P	2	4
Pyrazinamide pncA_L4S	20	5
Pyrazinamide pncA_L4W	1	3
Pyrazinamide pncA_L85P	3	1
Pyrazinamide pncA_L85R	5	2
Pyrazinamide pncA_M175I	0	2
Pyrazinamide pncA_M175V	4	2
Pyrazinamide pncA_P54L	19	3
Pyrazinamide pncA_P62S	1	3
Pyrazinamide pncA_P69S	0	1
Pyrazinamide pncA_S104R	3	2
Pyrazinamide pncA_S65P	0	1
Pyrazinamide pncA_S67P	8	1
Pyrazinamide pncA_T135I	0	1
Pyrazinamide pncA_T135P	15	1
Pyrazinamide pncA_T135S	0	1
Pyrazinamide pncA_T142M	3	1
Pyrazinamide pncA_T168S	0	2
Pyrazinamide pncA_T47A	1	3
Pyrazinamide pncA_T47I	0	2
Pyrazinamide pncA_V125F	0	2
Pyrazinamide pncA_V128G	9	2
Pyrazinamide pncA_V139A	8	8
Pyrazinamide pncA_V139G	5	1
Pyrazinamide pncA_V139L	2	1
Pyrazinamide pncA_V21A	0	1
Pyrazinamide pncA_V7A	0	1
Pyrazinamide pncA_V7F	2	1
Pyrazinamide pncA_V7G	13	2
Pyrazinamide pncA_V7L	1	1
Pyrazinamide pncA_W119R	2	2
Pyrazinamide pncA_W68G	14	1
Pyrazinamide pncA_W68R	6	1
Pyrazinamide pncA_Y103*	12	2
Pyrazinamide pncA_Y41*	0	1

S10

For each of isoniazid and rifampicin, calculate the expected mislabelling rate based on isolates with mutations (*rpoB* S450L or *katG* S315T) but a susceptible phenotype.
 For these calculations, the collection from Russia was excluded for isoniazid as the *katG* S315T mutations with a susceptible phenotype had already been excluded at source (in a previous publication). The isolates included below include all those that were excluded from the main analysis after being identified as likely mislabelling errors.

Expected:

(Total number of isolates with a susceptible phenotype x number with the mutation and a susceptible phenotype) / (sum of isolates with the mutation) x ((1-prevalence of resistance)/prevalence of resistance) The

ratio of expected to observed errors was then taken as the proportion of discrepant isolates likely to be due to mislabelling

Drug	Source (see S1)	Phenotypes			Where a <i>katG</i> S315T or <i>rpoB</i> S450L mutation is present		Among the susceptible phenotypes		Errors (predicted resistant but phenotypically susceptible)		Ratio (expected / observed)
		Resistant	Susceptible	Prevalence of resistance	Resistant phenotype	Susceptible phenotype	Predicted susceptible	Predicted resistant	Expected errors	Observed errors	
Isoniazid	University of Sydney	42	0	100.00	31	0	0	0	.	0	
Rifampicin	University of Sydney	38	4	90.48	21	0	4	0	0.00	0	
Isoniazid	Genoscreen (isolates from Belgium)	100	135	42.55	86	0	127	0	0.00	0	
Rifampicin	Genoscreen (isolates from Belgium)	98	137	41.70	74	0	128	1	0.00	1	
Isoniazid	Birmingham	259	3,115	7.68	168	9	2,953	19	13.17	19	
Rifampicin	Birmingham	100	3,295	2.95	58	1	3,088	29	1.69	29	
Isoniazid	British Columbia Centre for Disease Control	189	1,152	14.09	70	0	1,080	19	0.00	19	
Rifampicin	British Columbia Centre for Disease Control	38	1,304	2.83	18	0	1,208	4	0.00	4	
Isoniazid	Hamburg	23	253	8.33	17	2	241	6	2.42	6	
Rifampicin	Hamburg	15	261	5.43	12	0	254	3	0.00	3	
Isoniazid	Italy	130	0	100.00	121	0	0	0	.	0	
Rifampicin	Italy	128	2	98.46	91	0	2	0	0.00	0	
Isoniazid	Italy_MGITstudy	11	84	11.58	7	0	74	0	0.00	0	
Rifampicin	Italy_MGITstudy	4	91	4.21	2	0	79	0	0.00	0	
Isoniazid	Leeds	3	28	9.68	3	0	25	0	0.00	0	
Rifampicin	Leeds	3	28	9.68	3	0	25	0	0.00	0	
Isoniazid	London	358	21	94.46	312	0	17	0	0.00	0	
Rifampicin	London	350	23	93.83	248	0	20	0	0.00	0	
Isoniazid	Harvard (isolates from the Netherlands)	302	38	88.82	218	1	34	1	1.38	1	
Rifampicin	Harvard (isolates from the Netherlands)	292	47	86.14	171	1	38	8	1.70	8	
Isoniazid	Netherlands	36	484	6.92	33	1	456	2	1.06	2	
Rifampicin	Netherlands	14	514	2.65	13	0	490	2	0.00	2	
Isoniazid	Oxford	6	29	17.14	2	0	23	0	0.00	0	
Rifampicin	Oxford	2	33	5.71	2	0	30	0	0.00	0	
Isoniazid	Pakistan	357	62	85.20	273	3	54	5	3.88	5	
Rifampicin	Pakistan	352	67	84.01	201	1	57	8	1.74	8	
Isoniazid	Peru	85	32	72.65	78	2	18	12	2.13	12	
Rifampicin	Peru	64	53	54.70	40	0	45	4	0.00	4	
Isoniazid	Serbia	107	0	100.00	85	0	0	0	.	0	
Rifampicin	Serbia	107	0	100.00	59	0	0	0	.	0	
Isoniazid	Yang et. al. Lancet Infect Dis. 2017 Mar;17(3):275-284 (isolates from China)	121	0	100.00	102	0	0	0	.	0	
Rifampicin	Yang et. al. Lancet Infect Dis. 2017 Mar;17(3):275-284 (isolates from China)	121	0	100.00	72	0	0	0	.	0	
Isoniazid	South Africa	197	701	21.94	110	7	655	13	11.79	13	
Rifampicin	South Africa	337	670	33.47	182	2	629	12	3.66	12	
Isoniazid	Spain	13	51	20.31	7	0	50	0	0.00	0	
Rifampicin	Spain	10	54	15.63	7	0	52	0	0.00	0	
Isoniazid	MSF (isolates from Swaziland)	137	136	50.18	115	0	121	8	0.00	8	
Rifampicin	MSF (isolates from Swaziland)	120	146	45.11	57	0	143	2	0.00	2	
Isoniazid	Thailand	199	58	77.43	157	1	53	1	1.26	1	
Rifampicin	Thailand	196	61	76.26	89	0	56	1	0.00	1	
Isoniazid	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60 (isolates from China)	117	44	72.67	65	0	40	0	0.00	0	
Rifampicin	Zhang et. al. Nat Genet. 2013 Oct;45(10):1255-60 (isolates from China)	117	44	72.67	56	0	43	1	0.00	1	

Totals	Expected	Observed	Ratio (%)
Isoniazid	37.08	86	43.12
Rifampicin	8.80	75	11.73

Isolates from Russia (from Casali et. al. Nat Genet. 2014 Mar;46(3):279-86) were excluded from the calculation as isolates with a *katG* S315T mutation and a susceptible phenotype for isoniazid were excluded from the publication from which these isolates were derived.