

PAAT

Programme
Against
African
Trypanosomiasis



ISSN 1812-2442

INDEX

Volume 30

Parts 1–2 (2007)

Numbers 14020–14340



TSETSE AND TRYPANOSOMIASIS INFORMATION



DFID

Department for
International
Development



PAAT

Programme
Against
African
Trypanosomiasis

INDEX

Volume 30
Parts 1–2 (2007)
Numbers 14020–14340

TSETSE AND TRYPANOSOMIASIS INFORMATION

Edited by
James Dargie
Bisamberg
Austria

The designations employed and the presentation of material in this information product do not imply the expression of any opinion whatsoever on the part of the Food and Agriculture Organization of the United Nations (FAO) concerning the legal or development status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. The mention of specific companies or products of manufacturers, whether or not these have been patented, does not imply that these have been endorsed or recommended by FAO in preference to others of a similar nature that are not mentioned.

All rights reserved. Reproduction and dissemination of material in this information product for educational or other non-commercial purposes are authorized without any prior written permission from the copyright holders provided the source is fully acknowledged. Reproduction of material in this information product for resale or other commercial purposes is prohibited without written permission of the copyright holders. Applications for such permission should be addressed to:

Chief

Electronic Publishing Policy and Support Branch
Communication Division

FAO

Viale delle Terme di Caracalla, 00153 Rome, Italy

or by e-mail to:

copyright@fao.org

TSETSE AND TRYPANOSOMIASIS INFORMATION

The Tsetse and Trypanosomiasis Information periodical has been established to disseminate current information on all aspects of tsetse and trypanosomiasis research and control to institutions and individuals involved in the problems of African trypanosomiasis. This service forms an integral part of the Programme Against African Trypanosomiasis (PAAT) and is jointly sponsored by the Food and Agriculture Organization of the United Nations (FAO), the International Atomic Energy Agency (IAEA), the Inter-African Bureau for Animal Resources of the African Union (AU-IBAR), the World Health Organization (WHO), the Research Department for Livestock Production and Veterinary Medicine of the Centre de Coopération Internationale en Recherche Agronomique pour le Développement (CIRAD-EMVT), the British Government's Department for International Development (DFID) and the Institute of Tropical Medicine, Antwerp (ITM).

The half-yearly periodical is prepared for publication, in both English and French editions, by the Food and Agriculture Organization of the United Nations. Each annual volume consists of two parts and an index. Subscription is free for all recipients engaged in trypanosomiasis research and control, and requests for enrolment may be sent to: Ms Maria Grazia Solari, AGAH, FAO, Viale delle Terme di Caracalla, 00153 Rome, Italy (fax +39 06 5705 5749; e-mail MariaGrazia.Solari@fao.org).

Since the value of this information service depends to a great extent on the receipt of relevant material from research workers, campaign planners and organisers and field workers themselves, readers are requested to submit news items and copies of scientific papers and reports to the Editor: Dr James D. Dargie, Brunnstubengasse 43, 2102 Bisamberg, Austria (tel. +43 2262 61735; e-mail j. dargie@aon.at).

We regret that we are unable to supply photocopies of the papers quoted in the quarterly.

Distribution dates and copy deadlines

	Copy deadline for news items	Distribution (English and French editions)
<i>Part 1</i>	15 April	July/August
<i>Part 2</i>	15 October	January/February

CONTENTS

	<i>Page</i>
SUBJECT INDEX	1
AUTHOR INDEX	22

SUBJECT INDEX

Numbers refer to the abstract and bibliographic reference numbers appearing in the *Tsetse and Trypanosomiasis Information*, volume 30 part 1(2007) and *Tsetse and Trypanosomiasis Information* 30 part 2 (2007).

acaricides

footbath treatment to control
Amblyomma variegatum, 14030

acivicin

effect on *T. brucei* in mice, 14108
homologous recombination, 14131

Agilus planipennis 14182

Albizia zygia *see* drugs, natural products

alpha 2 macroglobulin

kinetics of production in rats infected
with *T. lewisi*, 14245

alphacypermethrin 14041

alpha-difluoromethylornithine (DFMO)
see drugs and trypanosome infection in
humans

Amblyomma variegatum 14030

American trypanosomiasis *see*
trypanosomiasis in humans (South
America)

**amplified fragment length
polymorphism (AFLP)** *see* genetic
characterization methods

anaemia 14082, 14085, 14090, 14099,
14101, 14235, 14238

Anaplasmosis

ELISA for detection, 14094

animal models *see* trypanosomiasis in
humans

Annona senegalensis *see* drugs, natural
products

Anopheles gambiae

comparison of laboratory-reared and
wild insects, 14175

Anoplophora glabripennis 14182

antibodies *see also* immune responses
egg yolk (IgY) 14046
IgM monoclonal, 14093
IgM and mice immunity, 14095
IgG, 14051

antigenic variation *see* immune response
and *Trypanosoma brucei*

apolipoprotein L-I (APOLI) *see* immune

responses and trypanosomiasis in
humans

area of low pest prevalence 14169

area-wide integrated pest management

agricultural trade, 14169
commercialization, 14176
crop planting, 14182
feasibility studies, 14176
GIS, global positioning systems and
remote sensing, 14168
insecticide treatments, 14182
lessons from programmes with SIT
component, 14188
sterile insect technique (SIT) 14182
strategies, 14176
successes and failures, 14176

Argentina

monoclonal antibody for *T. evansi*
infections in horses, 14093

arsonoliposomes *see also* drugs
trypanocidal activity of, 14283

attacin

refractoriness of tsetse to infection,
14195

Babesia bovis, B. bigemina, and

Anaplasma marginale

cross reactions with *T. vivax* ELISA,
14092

bio-economic model 14210

biotechnology

ethical, legal and social implications in
Africa, 14184

Bolivia

T. vivax in cattle, 14082

Botswana

effects of deltamethrin spraying on bird
populations, 14212

bovine radiation hybrid map 14238

Brazil

- spatial distribution of *T. cruzi* and *T. evansi*, 14232
- T. vivax* antibody ELISA for ..
trypanosomiasis in cattle, 14092
- Burkina Faso**
 - diffusion model for *G. p. gambiensis*, 14203
 - drug use by small-scale livestock keepers, 14239
 - mapping animal trypanosomiasis risk, 14206
 - parasites of camels, 14081
 - population structure of *G. p. gambiensis*, 14202
- Butyrospermum paradoxum* *see* drugs, natural products
- Cameroon**
 - blood parasites of chickens, 14079
 - HIV-1 group M retrovirus, 14055
 - trypanosomiasis and drug resistance, 14233
- cyclic adenosine monophosphate (cAMP)**
 - signalling 14268
 - transformation of *T. brucei* slender to stumpy forms, 14146
- card agglutination test for trypanosomiasis (CATT)**
 - for *T. evansi* in humans, 14056
 - for humans and animals, 14227
- cattle**
 - breeds
 - Boran, 14255
 - N'Dama, 14086, 14255
 - Zebu, 14234
 - diseases other than trypanosomiasis
 - Anaplasmosis, 14050, 14094
 - biting flies 14028
 - East Coast fever 14050
 - foot and mouth 14050
 - ticks 14030
 - West Nile virus 14023
- Chagas disease** *see* trypanosomiasis in humans (American)
- chromatography**
 - sample preparation for pesticides in Africa, 14186
- chromosomal nuclear positioning** *see* gene expression
- clades** 14286
- climate change** *see* vector-borne diseases, transmission
- Cochliomyia hominivorax* 14182
- combination chemotherapy** 14073, 14273 *see also* drugs
- comparative genomics** 14303
- Côte d'Ivoire**
 - genetic characterization of *T. brucei* s.l., 14289
 - populations of *G. p. palpalis*, 14208
- counterfeit products** *see* drugs
- Culicidae**
 - DNA barcodes, 14038 *see also* molecular characterisation
- Cussonia zimmermannii* *see* drugs, natural products
- cyclophosphamide** 14245
- cysteine protease inhibitors** *see* drugs,
- cytochrome transcripts** 14135
- cytoplasmic incompatibility** 14189
- DB289** 14021, *see* drugs
- deltamethrin**
 - effects on bird populations in Botswana, 14212
 - treatment of cattle, 14045
 - tsetse control using pyrethroid footbaths, 14041
- Democratic Republic of Congo**
 - civil conflict and sleeping sickness, 14047
 - costs of human trypanosomiasis in a rural community, 14072
 - human genetic diversity and susceptibility to human African trypanosomiasis, 14217
 - melarsoprol versus eflornithine treatment, 14064

- transmission of human trypanosomiasis, 14052
- treatment failure, IgM synthesis, CSF-IgM and IL-10, 14070
- differentiation**
 - long slender to short stumpy *T. brucei* using troglitazone, 14135
- difluoromethylornithine (DFMO)** *see* drugs, eflornithine and trypanosomiasis in humans
- diminazene aceturate** *see* drugs
- Djallonké sheep**
 - genetic and phenotypic parameters of bodyweight, 14087
- DNA**
 - polymorphisms
 - genes coding for cytokines, 14217
 - sequence data for *T. gallinarum* in chickens, 14079
 - mitochondrial cytochrome oxidase gene, 14038 *see* *Culicidae*
- dogs** *see* trypanosomiasis in dogs
- dromedary camels** *see* trypanosomiasis in camels
- drugs**
 - barriers to development, 14075, 14229
 - combination therapy, 14065, 14073, 14074, 14273
 - community participation in The Gambia, 14214
 - development of new drugs, 14031
 - discovery and comparative genomics, 14303
 - review of existing and pipeline drugs for human infections, 14229
 - productivity assessment of drugs by livestock keepers, 14239
 - strategies: targets versus targeting, 14071
 - training farmers in rational use, 14241
 - use of SRA gene to identify resistant isolates, 14288
 - targets
 - adenosine analogues, 14146
 - adenosine 3', 5' monophosphate signalling mechanisms, 14268
 - CTP synthetase, 14108
 - cysteine protease inhibitors, 14246
 - enolase, 14269
 - enzymes in spermidine synthesis, 14263
 - glycosome import pathway, 14138
 - nucleoside transport activities, 14128
 - phosphodiesterases, 14153
 - polyamine biosynthetic enzymes, 14156, 14164, 14262, 14263
 - pyridoxal 5'-phosphate enzymes, 14256
 - spermidine synthase, 14281
 - tRNA synthetases, 14314
 - trypanosome alternative oxidase, 14155
 - trypanothione reductase and synthetase inhibitors, 14110, 14112
- commercial trypanocides
 - diamidines
 - mechanisms of action, 14113
 - diminazene aceturate
 - resistance in Cameroon, 14233
 - resistance of *T. b. rhodesiense* isolates, 14230
 - diminazene diacetate
 - LC-MS for confirmation, 14121
 - eflornithine
 - efficacy compared with melarsoprol 14064
 - homidium chloride
 - control of counterfeit products using HPLC, 14242
 - metabolism in hepatocytes, 14107
 - sensitivity of *T. b. rhodesiense*, 14230
 - T. congolense* resistance and karyotype profiles, 14126
 - melarsamine hydrochloride
 - cross resistance between arsenical and diamidine drugs, 14260
 - melarsen oxide
 - sensitivity of *T. b. gambiense* isolates, 14291
 - melarsoprol
 - combined with eflornithine for treating *T. b. brucei*, 14074

combined with nifurtimox for treating *T. b. gambiense*, 14074
 combined with substance P receptor antagonist, 14273
 comparison with eflornithine for treating late stage Gambian trypanosomiasis, 14064
 equivalence used alone or in combination with nifurtimox, 14065
 induced encephalopathy, 14066, 14067
 treatment of pre-school children, 14067
 treatment of woman after African safari, 14061
 sensitivity of *T. b. rhodesiense*, 14230
 nifurtimox
 combined with eflornithine for treating *T. b. gambiense*, 14074
 introduction of, 14020
 combined with melarsoprol for *T. b. gambiense* infections, 14065
 pentamidium
 in pre-school children, 14067
 treatment against late stage *gambiense* infections, 14263
 treatment failure, South Sudan, 14291
 treatment of woman after African safari, 14061
 treatment in Nigeria, 14227
 pyrimethamine
 review: chemotherapeutic strategies against *T. brucei*, 4071
 suramin
 distribution across the blood-brain and blood-CSF interfaces in mice, 14275
 treatment failure and intrathecal IgM synthesis, 14070
 treatment of black bears, 14085
 treatment of woman after African safari, 14061
 experimental trypanocides
 acivicin, 14108
 analogues of 5'-(methylthio)-adenosine, 14280
 2, N6-disubstituted adenosine analogues, 14272
 arsonoliposomes, 14284
 bisbenzofuran cations, 14258
 diazabicyclic tropolone derivatives, 14266
 diphenyl furans and aza analogues, 14113
 epimers of bicycle[2.2.2]octan-2-ol derivatives, 14277
 5-fluoroucil, 14109
 megazol derivatives, 14120
 phosphate prodrugs of 4-phospho-D-erythronohydroxamic acid, 14274
 piperazine-linked bisbenzamidines and bisbenzamidoxime, 14265
 quaternary naphthalimide derivatives, 14116
 quinuclidine derivatives, 14261
 natural products
 Albizia zygias stem bark against *T. b. rhodesiense*, 14118
 Annona senegalensis leaf extract activity against *T. b. brucei*, 14119
 Butyrospermum paradoxum stem bark against *T. brucei* and *T. congolense*, 14114
 Cussonia zimmermannii polyacetylenes, 14278
 Holarrhena africana fractions, 14270
 Landolphia uniflora extracts, 14257
 review: natural products as anti-trypanosomal drugs (American trypanosomiasis), 14282
 Strychnos spinosa leaf triterpenoids and sterols, 14264
 resistance
 contributions of TbAT1 and TbMRPA, 14111
 inhibitory drug concentrations using ³H-hypoxanthine, 14240
 mechanisms of resistance, 14020
 multiple resistance of *T. b.*

rhodesiense 14230
 panels of resistant reference strains, 14240
 pentamidine transporter and cross-resistance between arsenical and diamidine drugs, 14260
 pharmacokinetics
 DB289 in rats and monkeys, 14115

editosome 14304, 14305
electrospray liquid chromatography-mass spectrometry 14121
enzyme-linked immunosorbent assay (ELISA)
 detection of trypanosomiasis and anaplasmosis, 14094
 IgY for host determination, 14046
 T. vivax detection, 14092
epidemiology *see also* transmission and trypanosomiasis in humans, animal hosts and tsetse
 antibody response to salivary proteins as epidemiological tool, 14051
 civil conflict, 14047
 G. m. submorsitans in the Ghibe River Valley, 14224
 host genetics, 14217
 host preferences, 14225
 human genetic diversity, 14032
 human practices, 14183
 learning and tsetse host choice, 14048
 livestock farmers' perception, 14050
 parasitic and other transmissible diseases, 14032
 roles of cattle, goats and pigs, 14053
 role of season, 14226
 socio-economic and cultural activities, 14220
Edmund Sergent 14218
eflornithine *see* drugs
epimastigotes
Equatorial Guinea
 spatial and temporal variability of tsetse population in the Mbini focus, 14204
equines *see* trypanosomiasis in horses

eradication
 optimisation of programmes, 14215
 via age-structured culling, 14023

 using SIT, 14176, 14182, 14202, 14211, 14215
Ethiopia
 control of tsetse in southern Rift Valley, 14209
 Ethiopia's fly factory, 14190
 factory flies and wild flies, 14191
 importance of *G. m. submorsitans*, 14224

Field's stain 14226
fluorescent fragment length barcoding (FFLB)
 species identification of trypanosomes, 14285
fluorescent markers 14207
functional genomics
 training centre in Africa, 14171
genetically engineered vectors
 control of mosquitoes, 14185
 energetic limitations of insects, *see Anopheles gambiae*
genetics *see also* trypanotolerance
 diversity
 biodiversity of CYP51 in trypanosomes, 14123
 comparative phylogeography of *T. rangeli*, 14290
 diversity of trypanosomes in field caught tsetse, 14216
 diversity of trypanosome isolates to drugs, 14288
 epidemiology of parasitic and other transmissible diseases, 14032
 genetic characterisation of *T. brucei* s.l., 14289
 genetic diversity in *Glossina pallidipes*, 14039
 genetically differentiated populations of *G. p. palpalis*, 14208
 genetic variability of *T. evansi*, 14125

genotypic and phenotypic characterisation of *T. b. gambiense* isolates, 14291

karyotype profiles of *T. congolense*, 14126

multiple displacement amplification for population genetic analysis, 14293

population genetic structure of *T. b. gambiense*, 14336

population structuring of *G. p. palpalis*, 14202

resolution of the species problem, 14138

susceptibility to human African trypanosomiasis, 14217

systematic strategy for large-scale analysis of genotype phenotype correlations, 14313

genome

amplification, 14150

evolution, 14035

geographic information systems (GIS)

optimisation of tsetse eradication programmes, 14215

area-wide control of insect pests, 14168

use in Ethiopia, 14209

genetic characterisation

amplified fragment length polymorphism (AFLP)

population structure of *T. b. gambiense*, 14336

cDNA library screening

characterisation of salivary proteins from tsetse, 14199

characterisation of *T. brucei* s.l., 14289

DNA barcodes

species identification of Indian mosquitoes, 14038

expressed sequence tags(EST)

genes related to trypanotolerance, 14086

fluorescent fragment length barcoding

identification of trypanosomes in Tanzania, 14216

identification of new trypanosome species, 14285

general review: resolving species problems, 14138

loop-mediated isothermal amplification (LAMP)

diagnosis of trypanosome infections, 14243

microsatellites

genetic variability of *T. evansi*, 14125

multiple displacement amplification (MDA)

detection and genotyping of trypanosome species, 14150, 14293

polymerase chain reaction (PCR)

detection of salivary gland hypertrophy virus, 14200

diagnosis of *T. congolense* in a dog, 14235

detection of *T. vivax* in cattle, 14082

evolution of host choice in Diptera, 14196

identification and diversity of trypanosome species in tsetse, 14216

inter-simple sequence repeat (ISSR) anchored PCR

genetic variability of *T. evansi* isolates, 14125

multiplex PCR

to distinguish *T. b. brucei* from *T. b. rhodesiense*, 14294

real time PCR

for detection of RNA editing, 14304

spliced leader gene (SL) intergenic sequences

phylogeography of *T. rangeli* and *Rhodinius*, 14290

identification of trypanosomes in wild tsetse 14127

using SRA gene to identify *T. b. rhodesiense* in cattle and warthogs, 14076

using SRA gene to detect *T. b. rhodesiense* in humans and domestic animals, 14288

combined with RFLP for diagnosis of livestock trypanosomiasis, 14053
diagnosis of trypanosomiasis in cattle, 14234
serial analysis of gene expression(SAGE) technology
bovine transcriptome analysis, 14086

geomatics 14025

Glossina austeni
control with protective netting, South Africa, 14042
in Kenya, 14050
strategy for area-wide control in South Africa, 14211

Glossina brevipalpis
control with protective netting, South Africa, 14042
in Kenya, 14050
strategy for area wide control in South Africa, 14211

Glossina fuscipes fuscipes
and *Wolbachia* infections, 14189
host determination using IgY ELISA, 14046

Glossina longipennis
responses to baited Nzi traps, 14043

Glossina morsitans
characteristics of saliva, 14199

Glossina morsitans centralis
metabolic rate, 14040

Glossina morsitans submorsitans
age prevalence of *T. congolense* and *T. vivax*, 14221
effects of guaiaicol and analogues, 14213, 14194
expression of fat body genes after infection with *T. b. brucei*, 14194
in Adamaoua region of Cameroon, 14233
in eastern Zambia, 14234
iron binding proteins, 14037
responses to guaiaicol, 14044
responses to baited Nzi traps 14043
role in livestock trypanosomiasis in eastern Zambia, 14053
transferrin expression, 14034
vertebrate hosts in the Ghibe Valley, 14224

Glossina pallidipes
control with insecticide treated cattle, 14045
copulation behaviour, 14192
critical thermal limits, 14197
host determination using IgY ELISA, 14046
in Kenya, 14050
role of attacin in susceptibility to trypanosomes, 14195
cuticular hydrocarbons, 14193
effect of guaiaicol and analogues, 14213
host preferences in Kenya, 14225
in southern Rift Valley of Ethiopia, 14209
inter-population variations in cuticular lipid mass and dessication rates, 14193
polymorphic microsatellites, 14039
refractoriness, 14195
responses to baited Nzi traps, 14043
responses to guaiaicol, 14044
seasonal variations in Tanzania, 14226
thermal tolerance, 14198

Glossina palpalis gambiensi
allele frequencies, 14202
control with pyrethroid foot baths, 14041
diffusion model, 14203
effect of *T. b. brucei* on head proteome, 14222
population structure according to landscape fragmentation, 14202

Glossina palpalis palpalis
alterations in CNS during infections with trypanosomes, 14222
genetic structure of populations, 14208
spatial and temporal variability of population, 14204

Glossina swynnertoni
seasonal variations in Tanzania, 14226

Glossina tachinoides
control with pyrethroid footbaths, 14041
in Adamaoua region of Cameroon, 14233

glycosylphosphatidylinositol (GPI) *see*

- also* immune response
 anchored proteins of procyclic *T. brucei*,
 14033
 anchored VSG, 14251
- guaiacol**
 repellancy to savannah tsetse 14044
- heat shock proteins** 14136
- Hippoboscoidea*** 14197
- HIV-1 group M**
 spread through blood sampling, 14055
- HLA polymorphism** 14032
- Holarrhena Africana*** *see* drugs, natural products
- homidium chloride** *see* drugs, commercial trypanocides
- high pressure liquid chromatography (HPLC)**
 control of potentially counterfeit isometamidium products, 14242
- human high density lipoprotein (HDL)**
see immune response/innate immunity
- IFN-gamma** *see* immune response/ innate immunity
- IgM** *see* immune response/innate immunity
- immune response/innate immunity** *see also* pathogenesis of trypanosomiasis in humans and trypanotolerance
 general reviews, 14105, 14252
 humans
 involvement of host genetics, 14217
T. b. rhodesiense: elevated IgM in CSF 14061
 role of macrophage-like (M) cells in parasite control and immunopathology, 14252
 mice
T. brucei: activation of VSG genes by recombination into expression sites, 14131
T. brucei: antigenic variation and silent information regulator 2-related proteins, 14129
T. brucei: antigenic variation: from silent to noisy VSG genes, 14148
- T. b. brucei*: apolipoprotein L-1 and trypanolysis, 14062
- T. brucei*: beta-d-glucosyl-hydroxymethyluracil (base J) function in regulation of antigenic variation, 14322
- T. brucei* : CpG oligodeoxy nucleotide enhanced innate resistance and acquired immunity, 14097
- T. brucei*: cysteine peptase inhibitor and virulence, 14334
- T. brucei*: gene conversion as essential mechanism for antigenic variation, 14250
- T. brucei*: GPI treatment reduces immunopathology, 14251
- T. brucei*: link between telomere growth and VSG switching rates, 14310
- T. b. brucei*: SRA transfected cells alter intracellular trafficking of TLF, 14104
- T. brucei*: telomere mode of VSG silencing, 14139
- T. brucei*: VSG gene silent archive, 14327
- T. brucei*: VSG repertoires are strain specific, 14321
- T. b. brucei* and *T. evansi*: interleukin- 12p70 necessary for resistance, 14244
- T. congolense*: control of nitric oxide synthase, 14247
- T. congolense*: macrophage-derived TNF crucial for NO-mediated killing, 14247
- T. congolense*: MHC class II immune responses and IL-10 function, 14103
- T. congolense*: paraoxanose 1 prolongs survival, 14096
- T. congolense*: protection with TGF

- beta1, 14099
- T. congolense* and *T. brucei*:
restricted role of CD1d immune responses, 14102
- T. congolense*: role of regulatory T cells 14237
- T. evansi*: beta tubulin: .protection against *T. evansi*, *T. equiperdium* and *T. b. brucei*, 14098
- T. evansi*: IgM –mediated control, 14095
- T. evansi*: infection linked to lack of apolipoprotein L-1, 14063
- T. evansi* : limited VAT repertoire of single stock, 14106
- rats
- T. lewisi*: alpha2 macroglobulin prolongs infections, 14245
- IFN-gamma** *see also* immune response /innate immunity
cell priming and inflammatory response, 14255
- IgM** *see* immune response/innate immunity
- immunoaffinity absorption** 14254
- India**
human trypanosomiasis caused by *T. evansi*, 14056
- interleukin 10 (IL-10)** *see* immune response/innate immunity
- insecticides**
mechanisms of resistance, 14179
impregnated odour-baited targets, 14211
insecticide pour-on for tsetse control .in Gambia, 14214
risk assessment for personnel, 14178
- integrated pest management (IPM)** *see* area-wide integrated pest management
- interferon-gamma** *see* immune response/innate immunity
- International Plant Protection Convention (IPPC)** 14169
- introduced species** 14182
- isometamidium chloride** *see* drugs, commercial trypanocides
- Kenya**
bloodmeal sources using IgY ELISA, 14046
epidemiology of bovine trypanosomiasis, 14050
host preferences by *G. pallidipes*, 14225
influence of socio-economic and cultural activities on risk of rhodesian sleeping sickness, 14220
socio-economic impact of camel trypanosomiasis, 14084
T. b. rhodesiense in cattle and warthogs, 14076
- kinetoplastids** *see* heat shock proteins
- landscape fragmentation**, 14202
- Landolphia uniflora* 14257
- linkage disequilibrium** 14089
- loop-mediated isothermal amplification (LAMP)** 14243
- lysosome** 14253
- magnetic resonance imaging** 14066
- malaria**
transmission and human practices, 14183
- Malawi**
trypanosomiasis in a soldier, 14058
- Mali**
drug use by small scale livestock keepers, 14239
training farmers in rational drug use, 14241
mapping African animal trypanosomosis risk through landscape approach, 14206
- marker-assisted selection**
for bovine trypanotolerance, 14086
- mark-release-recapture** 14203
- melarsamine hydrochloride** *see* drugs, commercial trypanocides
- melarsen oxide** *see* drugs, commercial

trypanocides
melarsoprol *see* drugs, commercial trypanocides
membrane potential 14135
microsatellite genotyping *see* molecular characterisation
microsomal elongase pathway (ELO) for fatty acid synthesis in *T. brucei*, 14160
Millennium Development Goals
 Chagas disease as constraint to achievement in Latin America, *see* trypanosomiasis in humans (American)
mitochondrial markers 14135
mobile targets 14211
model simulations climate-health, 14024
molecular characterisation *see* genetic characterisation
molecular markers *see* molecular characterisation
mono-pyramidal traps control of *G. p. palpalis* in Equatorial Guinea, 14204
mosquitoes
 DNA barcodes, 14038
 genetically engineered vectors, 14185
 physiological fitness of free-living and laboratory-reared males, 14175
multiple-criteria evaluation (MCE), prioritisation of tsetse control, 14215
multiple displacement amplification (MDA) *see* molecular characterisation
multiplex PCR *see* molecular characterisation

Nagana 14104
natural products *see* drugs
natural killer (NK) cells
N'Dama *see* cattle breeds and trypanotolerance
neglected diseases 14166
Nepal
 trypanosomiasis in cattle, buffaloes and dogs, 14077
nifurtimox *see* drugs, commercial trypanocides

Nigeria
 surveillance for human sleeping sickness, 14227
nitric oxide *see* immune response/innate immunity

octenol
 baits for Nzi traps, 14043
Oecomys mamorae 14232, *see also* *T. vivax* and *T. evansi*
ornithine decarboxylase (ODC) inhibitor of DFMO, 14281, 14263 *see also* drugs
packed cell volume *see* anaemia
P2 nucleoside transporter 14272
Pakistan
T. evansi in horses and camels 14080
Pan African Tsetse and Trypanosomosis Eradication Campaign (PATTEC) impact of fragmentation of landscapes on tsetse population structure, 14202
pentamidine *see* drugs, commercial trypanocides
permethrin *see* insecticides, risk assessment for personnel, 14178
peroxins, 14137
pest - free areas 14169
pest risk analysis 14169
phenotypic variation microarray and QTL data, 14313
piperazine-linked bisbenzamidines *see* drugs
polyamine biosynthesis *see* drug targets
polymerase chain reaction *see* molecular characterisation
prodrug DB 289 *see* drugs, pharmacokinetics
programmed cell death 14163
protective netting 14042
protein signatures 14174

pulsed field gel electrophoresis

determining chromosome profiles,
14126

pyrethroid foot baths 14041**pyrimethamine** *see* drugs**quantitative trait locus (QTL)** 14238**quaternary naphthalimide derivatives**

see drugs, experimental trypanocides

quinuclidine derivatives

see drugs, experimental trypanocides

real time polymerase chain reaction

(RT-PCR) *see* molecular
characterisation

refractoriness

role of humoral immune response,
14195

possible application of tsetse symbionts
14189

regulatory T cells (Tregs)

suppression of type 1 inflammatory
response, 14237

Republic of the Congo

melarsoprol versus eflornithine
treatment, 14064

reservoir hosts

human sleeping sickness, 14227

reverse genetics 14195**ribosomal DNA (rDNA)**

18S, 14287

18S and 28S alpha, 14285

ribosomal RNA (rRNA)

ITS-1 region, 14127, 14216

5S, 14319

5.8S and 18S, 14243

small subunit(SSU), 14286

RNA editing 14155, 14305

cytochrome c oxidase III, 14154

RNA binding proteins, 14330

structural integrity of editosomes, 14130

substrate determinants, 14133

using recombinant proteins, 14144

RNA interference (RNAi)

ablation of phosphodiesterases, 14153
attacin repression by double stranded
RNA, 14195

delayed kinetoplast division, 14317

deletion of acyl carrier protein and ..beta
acyl carrier protein synthase, 14160
of flagellum attachment tone protein,
14340

depletion of peroxins 5 and 7 and
growth inhibition in bloodstream and
procyclic *T. brucei*, 14137

depletion of *T. brucei*

mitochondrial.pre- mRNAs, 14145

effects on nuclear RNA binding
proteins, 14319

for mutant induction, 14316

growth of *T. brucei* in low iron medium,
14324

for tryptophanyl-tRNA synthetase
silencing, 14314

knockdown of *Glossina* transferrin
transcripts, 106

of polo-like kinases, 14317

of zinc metalloprotease in *T. brucei*,
14315

silencing of *T. brucei* adenosine kinase,
14325

targeting *T. brucei* motile flagellar genes
14132

tetracyclin induced, 14281

restriction fragment length

polymorphism (RFLP) *see* molecular
characterisation

salivary gland expression library 14199**satellites for epidemiology** 14167**surface enhanced laser desorption****ionisation (SELDI)** 14174**sentinel herd surveillance systems**

14078

sequential aerosol technique (SAT)

14211, 14086

serial analysis of gene expression

(SAGE) 14086

sika deer 14287

silent information regulator 2 (Sir2)-related proteins or sirtuins 14129

skin features *see* trypanosomiasis in humans

sleeping sickness *see* trypanosomiasis in humans

Sodalis glossinidius
to improve SIT, 14189
relation to endosymbiont of slender pigeon louse, 14205

South Africa
control of livestock trypanosomiasis, 14042
strategy for area-wide control of tsetse, 14211

Southern Tsetse Eradication Project (STEP) 14209

Spain
natural infections of *Trypanosoma* spp. in wild rabbits, 14236

species identification *see* molecular characterisation and genetic diversity

spermidine *see* drugs, targets

spliced-leader gene (SL) 14290

Sanitary and Phytosanitary Agreement (SPS) 14169

serum resistance associated gene (SRA)
see also immune mechanisms/innate immunity
SRA-PCR for detection of *T. b. rhodesiense*, 14091
characterisation of *T. b. rhodesiense* isolates from Tanzania, 14288

sterile insect technique (SIT) 14168, 14169, 14173, 14182, 14185, 14188, 14209, 14211 *see also* area-wide pest management

Stomoxys
responses to baited Nzi traps 14028, 14043

Strychnos spinosa, *see* drugs, natural products

substance P (SP) 14273

succinate dehydrogenase 14135

Sudan
genotypic and phenotypic characterization of *T. b. gambiense*, 14291
isolation and propagation of *T. b. gambiense*, 14124
T. b. gambiense treatment in pre-school children, 14067

suppression subtractive hybridisation (SSH) libraries 14194

suramin *see* drugs, commercial trypanocides

surface enhanced laser desorption ionization (SELDI) 14174

surra *see T. evansi*

surveillance *see* epidemiology

symbionts *see Sodalis, Wigglesworthia* and *Wolbachia*

tabanids
control with Nzi traps, 14028
responses to baited Nzi traps, 14043

Tanzania
characterization of *T. b. rhodesiense*, 14288
identification of trypanosome species in tsetse, 14216
seasonal variation in human African trypanosomiasis, 14226
PCR for species identification in tsetse, 14127

targets *see* drugs

telomere
deletion and VSG silencing, 14139

telomeric expression sites (ES) 14310

TGF-beta I *see* immune response/innate immunity

The Gambia
community participation in trypanosomiasis control, 14214

Thrichomys pachyurus 14232

transmission
alterations in arthropod vectors and vertebrate hosts, 14177
antioxidants and establishment of

trypanosomes in tsetse, 14223
 blocking vaccines, 14049
 by fleas in wild rabbits, 14236
 by transfusion, 14022, 14170
 civil conflict, 14047
 IgG response to saliva from tsetse, 14051
 impacts of climate change, 14024
 learning and host choice, 14048
 parasite manipulation, 14177
 skin as interface, 14021
T. evansi in humans, 14056
T. vivax and *T. evansi* in Brazilian Pantanal, 14232

transmission risk
 socio-economic and cultural influences, 14220

treatment/ treatment failure *see* drugs

trypanocides/ trypanocide resistance *see* drugs

Trypanosoma brucei *see also* drugs and immune response/innate immunity
 in cattle
 Serengeti, Tanzania
 in Uganda, 14091
 in goats
 general review, 14038
 in warthogs
 Serengeti, Tanzania
 adenosine kinase, 14325
 antigenic variation, 14129
 antigenic variation and activation of VSG genes, 14131
 aromatic amino acid catabolism, 14152
 biodiversity of CYP51, 14123
 CD1d immune responses in mice, 14102
 cell cycle regulation, 14142
 cell cycle stage specific markers, 14335
 characterization of TFIIH homologue, 14147
 conditional I-SceI meganuclease cleavage
 deletion of a single telomere, 14139
 CpG oligodeoxynucleotide treatment
 and innate resistance and acquired immunity of mice 14097
 crystal structure of
 phosphofructokinase, 14149
 CTP synthetase as drug target, 59
 cysteine peptase inhibitor and differentiation and virulence, 14334
 cytokinesis of bloodstream form, 14399
 drug resistance, 14111
 drug targets and drug targeting 14071
 editosomes, 14305
 endocytosis activation as adaptation to mammalian host, 14329
 effect of cysteine protease inhibitors on cell morphology and division, 14159
 effect of dihydroxyacetone, 14338
 effect of GPI - based treatment of infections in mice, 14251
 effects of 6-phosphogluconate dehydrogenase inhibitors, 14274
 effect on TNF and IL-6 cytokines in infected mice, 14251
 enolase as drug target, 14269
 epimastigote forms, 14161
 fatty acid synthesis, 14143
 F-box protein mRNAs, 14318
 flagellar adhesion and cell growth, 14337
 flagellar motility, 14132
 flagellum attachment zone filament structure, 14340
 free GPI glycolipids, 14033
 functional genomics, 14132
 functions of RNA binding proteins, 14320
 functions of zinc metalloprotease, 14315
 gene conversion and antigenic variation, 14250
 GPI- anchored proteins 14033
 histone modifications, 14326
 import of proteins into glycosomes, 14137
 induction of cytokinesis defect, 14311
 inhibition of oxygen uptake by KCN,

14135.
inhibitors of cysteine proteinases,
14159
intracellular iron utilization and
cellular morphology, 14324
lysosomal function and endocytosis,
14331
microsomal elongases and fatty acid
synthesis, 14143
migration across blood-brain barrier
in mice, 14249
mitochondrial fatty acid synthesis,
14160
mitochondrial gene expression, 14140
mitochondrial tRNA import, 14300
new membrane bound eukaryotic
initiation factor 2, 14328
novel phospholipases 14157
nuclear architecture and gene
expression, 14151
nucleoside transporter, 14128
phosphodiesterases, 14153
procyclin mRNAs of epimastigote
forms 14161
properties of spermidine synthase,
14281
pyrimidine transport 14109
regulation of telomeric DNA
glycosylation, 14322
purine salvage machinery, 14071
regulation of gene expression, 14151
GPI-based treatment
RNA editing, 14130, 14145
5S rRNA abundance and ribosomal
assembly, 14319
roles of cyclin in controlling cell
cycle progression, 14141
role of polo-like kinases, 14317
significance of tryparedoxin for
hydroxyperoxide detoxification,
14307
telomere deletion, 14139
telomere length, 14310
transformation of slender to stumpy
forms, 14146
troglitazone and differentiation,
14135

trypanothione reductase effects,
14112
tryptophanyl-tRNA synthetases
silencing, 14314
use of multiple displacement
amplification of DNA, 14150
VSG gene repertoires, 14321
VSG gene silent archive, 14327
Trypanosoma brucei brucei *see also*
immune response/innate immunity
alterations induced in head proteome
of tsetse vector, 14222
characterization of ecto-nucleoside
triphosphate diphosphohydrolase
activity, 14134
competition between strains in the
tsetse fly, 14207
discrimination from *T. b. rhodesiense*,
14294
effect of disubstituted adenosine
analogues, 14272
effect of extracts of *Landolphia*
uniflora, 14257
effect of *H. africana* in infected mice,
14270
effect of human serum on lysosome,
14253
TLF killing, 14254
effect of piperazine-linked
bisbenzamidines, 14265
5-fluorouracil as potential trypanocide
14109
genes and iron metabolism, 14327
inhibition of cell death in tsetse,
14223
inhibition of growth and respiration
using inhibitors of alternative
oxidase, 14155
intracellular trafficking of host
immune response molecules, 14104
roles of haptoglobin related protein
and apolipoprotein L1 in
trypanolysis, 14062
role of IFN-gamma production in
resistance of mice, 14244
trypanosome maturation, 14049
Trypanosoma brucei gambiense *see also*

trypanosomiasis in humans, drugs and immune response/innate immunity

antibody IgG response to saliva from vectors and non-vectors, 14051
diagnostic potential of TGSGP, 14312
diagnosis using LAMP, 14243
drug combinations in Uganda, 14074
genetic diversity, 14289
genotypic and phenotypic characterization, 14291
human African trypanosomiasis in a rural community, 14072
in pre-school children, 14067
in tsetse midguts, 14052
isolation and propagation, 14124
population genetic structure using AFLP, 14336
resistance to melarsamine hydrochloride, 14260
role of endocrine disorders in infections, 14228
skin features, 14059
surveillance in Abraka focus, Nigeria, 14227
treatment failure in Democratic Republic of Congo, 14070
treatment with melarsoprol versus eflorinthine, 14064
treatment with melarsoprol and nifurtimox, 14065
use of SRA gene as marker to distinguish from *T. b. rhodesiense*, 14288

Trypanosoma brucei rhodesiense *see also*
trypanosomiasis in humans, drugs, immune response/innate immunity
activity of root bark extracts of *Cussonia zimmermannii*, 14278
characterization of isolates, 14288
detection using SRA-associated gene, 14091
effects of disubstituted adenosine

analogues, 14272
effect of piperazine linked bisbenzamidines, 14265
fevers, chills and rash after African safari, 14061
in vitro effects of *H. africana*, 14270
in cattle and warthogs, 14076
in a soldier, 14058
melarsoprol resistance, 14230
multiple drug resistance, 14230
treatment with melarsoprol, 14066

Trypanosoma congolense *see also*
trypanosomiasis in cattle, drugs and immune response/innate immunity
in cattle
Kenya, Zambia, 14050, 14053
in pigs
Zambia, 14053
in a dog
United Kingdom, 14235
age prevalence in *G. m. morsitans*, 14221
CD1d immune responses in mice 14102
diagnosis using LAMP, 14243
effect of GPI treatment on infection in mice, 14252
effect of transforming growth factor on mice infections, 14099
karyotype profiles, 14126
MHC class II restricted immune responses in mice, 14103
nitric oxide mediated killing in mice, 14247
paraoxonase 1 in protection of mice, 14096
resistance to isometamidium and role of apolipoprotein A-II and role of T cells in immune response of mice, 14237
semen sialic acid and alpha -L-fucosidase levels in infected sheep, 14100
trypanotolerance QTLs in mice, 14238

Trypanosoma cruzi *see also*

trypanosomiasis in humans (American)
achieving the Millennium
Development Goals, 14172

aromatic amino acid catabolism,
14152
diagnosis using LAMP, 14243
donor testing for blood transfusions,
14171
roles of IFN-gamma, nitric oxide and
IgG in control, 14248
spatial distribution in Brazilian
Pantanal, 14232
transmission by transfusion, 14022
trend of vectors towards domesticity,
14165

Trypanosoma equiperdum *see also* drugs
activity of megalazol derivatives, 14120
reference strains for drug screening,
14240

Trypanosoma evansi *see also*
trypanosomiasis in humans, drugs and
immune response/innate immunity
antigen repertoire, 14106
apolipoprotein L-1, 14063
beta tubulin and protection against
T. evansi, *T. equiperdum* and *T.*
brucei in mice, 14098
effect of GPI treatment on
infections in mice, 14252
genetic variability, 14125
in Himalayan black bears, 14085
in horses and camels in Punjab
region, 14080
in humans in India, 14056
oxidative stress in rats, 14101
reference strains for drug screening,
14240
role of IFN-gamma in resistance of
mice, 14244
role of IgM in immunity of mice,
14095
spatial distribution in Brazilian
Pantanal, 14232
TNF, gamma interferon and nitric
oxide in infected animals, 14095
use of monoclonal antibody for

detection in horses, 14093
VAT repertoire, 14106

Trypanosoma vivax
in cattle
Kenya
epidemiology, 14050
prevalence in Bolivia, 14082
age prevalence in *G. m. morsitans*,
14221
detection of antibodies using ELISA,
14092
leaving group activation in nucleoside
hydrolase, 14298
trypanosome CTP synthetase as drug
target, 14108

Trypanosoma gallinarum
in chickens in Uganda and Cameroon,
14079

Trypanosoma lewisi
activity of alpha 2 macroglobulin in
infected rats, 14245

Trypanosoma pacifica
multiplication in English sole, 14301

Trypanosoma pleuronectidium
in cod, 14122

Trypanosoma rangeli
phylogeny using polymorphism of
spliced leader gene, 14290

Trypanosoma theileri
energy metabolism in bloodstream
forms, 14339

trypanosome lytic factor (TLF) *see*
immune response/innate immunity
trypanosomiasis in black bears
clinical features and treatment, 14085

trypanosomiasis in buffaloes
prevalence in Makwanpur district Nepal,
14077

trypanosomiasis in camels
prevalence in the Punjab region
Pakistan, 14080
review: parasites of camels, 14081
socio-economic impact, 14084

trypanosomiasis in cattle
countries

- Burkina Faso, 14041, 14239
- Bolivia, 14082
- Brazil, 14092, 14232
- Cameroon, 14233
- East Africa, 14210
- Ethiopia, 14209
- Kenya, 14050
- Mali, 14239, 14241
- Nepal, 14077
- Pakistan, 14080
- South Africa 14042, 14211
- Tanzania, 14076
- Uganda, 14091
- The Gambia, 14214
- Zimbabwe, 14045
- Zambia, 14215, 14227, 14234
- control
 - area-wide control, 14211
 - detecting anaemia and improving treatment, 14215
 - investments in pour-on insecticides and drugs, 14214
 - management of tsetse and bovine infections, 14210
 - pyrethroid footbaths, 14041
 - protective netting, 14042
 - restricted application of insecticides, 14045, 14209
 - risk and drug resistance, 14233
 - training farmers in rational drug use 14241
 - treatment by small-scale livestock keepers, 14239
- diagnosis
 - development and use of an ELISA for epidemiological surveys, 14092
 - diagnosis by amplification of the SRA gene, 14091
- epidemiology
 - epidemiology in Kwalé district, 14050
 - GIS and multiple criteria evaluation for optimisation of eradication, 14215
 - prevalence in the Bolivian Pantanal, 14082
 - prevalence in the Ghibe Valley, 14227
 - prevalence in Makwanpur district, 14077
 - prevalence in the Serengeti, 14076
 - role in the epidemiology of livestock trypanosomiasis in Zambia, 14227
 - spatial distribution in the Brazilian Pantanal, 14232
 - immunity/innate resistance
 - comparative genome analysis of trypanotolerance QTL, 14238
 - improving accuracy of selection for trypanotolerance, 14088
 - transcriptome analysis, 14086
- trypanosomiasis in chickens**
 - prevalence in Uganda and Cameroon, 14079
- trypanosomiasis in deer**
 - isolation, 14287
- trypanosomiasis in dogs**
 - clinical signs and diagnosis, 14235
 - prevalence, 14077
- trypanosomiasis in fish** 14301, 14122
- trypanosomiasis in goats**
 - genetic and phenotypic parameters of body weight in West African Dwarf goats, 14087
 - global status, 14083
- trypanosomiasis in horses**
 - diagnosis of *T. evansi* using ELISA, 14093
 - prevalence in the Punjab region, 14080
- trypanosomiasis in humans (African)**
 - countries
 - Burkina Faso, 14289
 - Côte d'Ivoire, 14289
 - Democratic Republic of Congo, 14051, 14052, 14064, 14070, 14072, 14075
 - India, 14056
 - Kenya, 14046, 14061, 14220, 14225, 14230
 - Malawi, 14058
 - Nigeria, 14227
 - Sudan 14067, 14291
 - Tanzania, 14061, 14226, 14288
 - Uganda, 14047, 14230

14069, 14091, 14074
 clinical features/ pathogenesis
 anorexia, 14228
 animal models, 14026
 chancre, 14058
 erythema, 14058
 elevated CSF IgM , 14061
 encephalopathy, 14065, 14066, 14067
 fever, 14058, 14061
 hypotension, 14228
 interleukin-10, 14061
 intrathecal IgM synthesis, 14070
 lymphadenopathy, 14058
 microhaemorrhages, 14066
 role of endocrine disorders in *T. b. gambiense* infections
 skin features, rash 14059, 14061
 diagnosis
 development of LAMP, 14243
T. b. rhodesiense 14091
T. evansi in India, 14056
 epidemiology
 civil conflict, 14047
 divergence between east and west
 Africa, 14027
 human/vector relationships, 14051
 influence of socio-economic and cultural factors on risk of
 Rhodesian sleeping sickness,
 14220
 role of human genetic diversity,
 14032
 seasonal variations, 14226
 surveillance in Abraka focus, 14227
 transmission in Kinshasha, 14052
 transmission risk of Rhodesian
 sleeping sickness, 14225
 bloodmeal sources using IgY ELISA
 in Kenya , 14046
 immune response/innate immunity
 involvement of host genetics, 14217
 trypanolysis and apolipoprotein L-1,
 14062, 14063
 isolate characterisation
T. b. rhodesiense, 14288
T. brucei, s.1 14289
T. b. gambiense, 14291
 treatment *see also* drugs
 animal models 14026
 barriers to drug development, 14075,
 14229
 causes & mechanisms of drug
 resistance, 14020
 challenges of chemotherapy, 14229
 chemotherapeutic strategies, 14071
 combination therapy, 14065, 14073,
 14074, 14273
 costs, 14072
 development of new drugs, 14031
 diamidines, 14113
 diminazine aceturate, 14230, 14233
 discovery and comparative genomics,
 14303
 melarsamine hydrochloride, 14260
 melarsen oxide, 14291
 melarsoprol, 14061, 14064, 14065,
 14067, 14074, 14230, 14273
 multiple drug resistance in *T. b. rhodesiense* isolates, 14230
 nifurtimox, 14020, 14065, 14074
 pentamidium, 14061, 14067, 14227,
 14263, 14291
 public-private partnerships, 14069
 pyrimethrine, 14071
 review: existing and pipeline drugs
 for human infections, 14229
 strategies: targets versus targeting,
 14071
 toxicity and cost, 14075
 resistance of *T. b. rhodesiense*
 isolates, 14230
 suramin, 14061, 14070, 14275
trypanosomiasis in humans (American)
 human genetic diversity and
 epidemiology, 14032
 impediment to achieving the
 Millennium Development Goals in
 Latin America, 14172
 links with human rights violations,
 14166
 overview: new natural product-based
 drugs, 14282
 transmission by transfusion, 14022
trypanosomiasis in mice *see also* under

- trypanosome species
 - Trypanosoma brucei*:
 - CD1d immune responses, 14102
 - CpG oligodeoxynucleotide
 - treatment and innate resistance and acquired immunity, 14097
 - effect of GPI - based treatment of infections, 14251
 - effect on TNF and IL-6 cytokines, 14251
 - migration across blood-brain barrier, 14249
 - transformation of slender to stumpy forms, 14146
 - VSG gene repertoires, 14321
 - VSG gene silent archive, 14327
 - Trypanosoma brucei brucei*:
 - activity of *H. africana*, 14270
 - role of IFN-gamma production in resistance, 14244
 - trypanosome maturation, 14049
 - Trypanosoma congolense*:
 - effect of GPI treatment, 14252
 - effect of transforming growth factor, 14099
 - MHC class II restricted immune responses, 14103
 - nitric oxide mediated killing, 14247
 - paraoxonase 1 in protection, 14096
 - resistance to isometamidium and role of apolipoprotein A-II and role of T cells in immune response, 14237
 - trypanotolerance QTLs, 14238
 - Trypanosoma evansi*:
 - immunisation with beta tubulin, 14098
 - effect of GPI treatment, 14252
 - role of IFN-gamma in resistance, 14244
 - role of IgM in immunity, 14095
- trypanosomiasis in rabbits**
 - natural infection rates in wild animals, 14236
- trypanosomiasis in rats**
 - antioxidant status and *T. evansi* infections, 14101
- trypanosomiasis in sheep**
 - semen sialic acid and modulation of alpha-L-fucosidase activity, 14100
- trypanotolerance**
 - genes, 14086
 - QTL, 14238
 - role of T cells, 14237
 - selection of bulls 14088
 - selection in sheep and goats, 14087
 - genome analysis, 14238
- tsetse** *see also* under different *Glossina* species
 - control
 - area-wide, 14173, 14209, 14211
 - baited Nzi traps, 14043
 - eco-social analysis of management, 14210
 - genetically-engineered insects, 14185
 - GIS and multiple criteria
 - evaluation for optimising eradication, 14215
 - insecticide treated cattle 14045
 - protective netting, 14042
 - pyrethroid footbaths, 14041
 - repellency of 4-alkyl-substituted analogue of guaiacol, 14213
 - using symbionts, 14189
 - distribution, ecology, behaviour and population studies
 - copulation behaviour, 14192
 - diffusion model, 14203
 - genetically distinct populations, 14208
 - learning and host choice, 14048
 - mapping densities: landscape approach, 14206
 - population dynamics modelling 14040
 - population structuring, 14202
 - seasonal variations in population, 14226
 - spatial and temporal variability of populations, 14204
 - physiology and biochemistry
 - characteristics of saliva, 14199

- critical thermal limits, 14198
- lipid mass and desiccation, 14193
- metabolic rate, 14040

- molecular characteristics of iron binding proteins, 14037
- molecular aspects of transferrin expression, 14034
- thermal tolerance, 14197
- tsetse-host interactions
 - alterations in head proteome induced by trypanosome infection, 14222
 - antioxidants and establishment of trypanosomes, 14223
 - epizootiological importance in Ghibe Valley, 14224
 - expression of fat body genes after infection with trypanosomes, 14194
 - GPI-anchored proteins, GPI glycolipids and colonisation by trypanosomes, 14033
 - host determination using an egg yolk (IgY) ELISA, 14046
 - host preference, 14225
 - manipulation by trypanosomes, 14147
 - refractoriness, 14195
 - trypanosome maturation, 14049

- Uganda**
 - detection of *T. b. rhodesiense* using SRA-PCR 14091
 - human sleeping sickness and civil conflict, 14047
 - private-public partnerships for sleeping sickness control, 14069
 - treatment of human infections with drug combinations 14074
- United Kingdom**
 - trypanosome infection in a dog, 14235
- vector**
 - control campaigns
 - mapping tsetse densities, 14206
 - management
 - empowering farmers in integrated vector management, 14187
 - risk assessments for exposure to insecticides, 14178
- vector-borne disease**
 - early warning 14167
 - eradication via age-structured culling 14023
 - genetically engineered vectors, 14185
 - human practices and malaria transmission, 14183
 - impacts of climate change/ warming 14025, 14029
 - parasitic manipulations, 14177
 - vertical transmission, 14181
 - vectorial transmission, 14218
 - sentinel surveillance systems, 14078
- variant surface glycoprotein (VSG)** *see also* immune response/innate immunity
 - exchange to procyclin during differentiation 14334
 - gene silent archive, 14327
 - release from procyclic trypanosomes, 14315
 - sequence divergence between trypanosome strains, 14321
- warthog**
 - host for *G. m. submorsitans* and *G. pallidipes*, 14224
- West African Dwarf goat** 14087
 - genetic and phenotypic parameters of bodyweight, 14087 *see* trypanotolerance
- Wigglesworthia glossinidia brevipalpis** *see* symbionts
- Wolbachia**
 - and cytoplasmic incompatibility, 14189
- working oxen and equids**
 - health and husbandry improvements, 14180
- Zambia**
 - age prevalence of trypanosomes in female *G. m. morsitans*, 14221
 - role of cattle, goats and pigs in epidemiology of livestock

trypanosomiasis, 14053
trypanosomosis incidence in cattle, 14234
MCE for tsetse control
 prioritisation, 14215
temperature tolerance of *G. pallidipes*, 14198
Zimbabwe
 deltamethrin treatment of cattle, 14045

AUTHOR INDEX

Numbers refer to the abstract and bibliographic reference numbers appearing in the *Tsetse and Trypanosomiasis Information*, volume 30 (2007).

- Abd-Alla, A. 14200
Abdulganiy, A. O. 14119
Abel, P. M. 14231
Aboset, G. 14209
Abreu, U. G. 14232
Acosta-Serrano, A. 14033
Adama, T. Z. 14119
Adams, E. R. 14127, 14285
Adesina, K. A. 14227
Aeby, E. 14300
Affognon H. 14239
Airauhi L. U. 14227
Airauhi, E. S. 14227
Ajanusi, J. A. 14100
Ajith, S. N. 14128
Akol, M. 14091
Aksoy, S. 14034, 14037, 14189, 14195
Albuquerque, C. N. 14120
Alemu, T. 14209
Alfonzo, J. D. 14314
Alibu, V. P. 14274
Allanson, A. 14242
Allen, C. L. 14295
Allie, N. 14247
Almeida, R. F. 14092
Al-Salabi, M. I. 14109, 14128
Alsford, S. 14129, 14139
Alvarez, J. M. 14248
Alves, V. 14328
Alviano, C. S. 14276
Al-Wabel, N. 14101
Amadasi, A. 14256
Amiguet-Vercher, A. 14253
Anbazhagan, M. 14113
Andersen, W. C. 14121
Anderson, S. 14155
Andreu, G. 14022
Anez, N. 14290
Antimisiaris, S. G. 14284
Anton, R. 14118
Aphasizhev, R. 14296
Aphasizhev, R. 14330
Aphasizheva, I. 14296
Appleyard, G. 14102
Araujo, F. R. 14092
Arima, K. 14246
Asonganyi, T. 14052
Athanasiadis, G. I. 14271
Atkinson, R. A. 14244
Attardo, G. 14037
Attardo, G. M. 14034
Avila, C. C. 14328,
Aznar, C. 14060
Babbarwal, V. K. 14130
Bacchi, C. J. 14265, 14280
Bailey, M. 14207
Bailey, W. 14068
Baines, A. 14297
Bakunov, S. A. 14258
Bakunova, S. M. 14258
Balasegaram, M. 14064, 14074
Baldwin, A.H. 14212
Bancha, B. 14209
Bangs, J. 14328
Bapna, A. 14259
Baral, S. D. 14166
Baral, T. N. 14095, 14247, 14251
Baraldi, P. G. 14333
Baresic, M. 14153
Barkhuizen, M. 14244
Barlow, J. N. 14298
Barnabe, C. 14289
Barnes, R. L. 14131
Baron, D. M. 14132
Barragan, M. 14172
Barrett, M. P. 14274
Barrett, M. P. 14229
Barry, J. D. 14302, 14148 14327
Barszcz, T. 14258
Bastos, K. R. 14248

Bauer, B. 14041
 Baumgärtner, J. 14210
 Bazarsky, E. 14245
 Beattie, C. 14139
 Beavo, J. A. 14146, 14268
 Bekele, K. 14209
 Bengaly, Z. 14048
 Benito, A. 14204
 Benz, C. 14299, 14318
 Berbari, E. F. 14061
 Berenger, J. M. 14165
 Bergoin, M. 14200
 Berrang Ford, L. 14047
 Berthier, A. 14167
 Berthier, D. 14086, 14089
 Bertoldi, M. 14256
 Beschin, A. 14237, 14252
 Bettati, S. 14256
 Beyrer, C. 14166
 Bhargava, A. 14056
 Bhasin, K. K. 14096
 Bhattacharya, K. 14271
 Bidet, O. 14274
 Billiouw, M. 14221
 Biron, D. G. 14222
 Bisser, S. 14065, 14070
 Blessington, B. 14281
 Blonski, C. 14269
 Blum, J. A. 14228
 Bobuakasi, L. 14204
 Boelaert, M. 14075
 Boelaert, M. 14072
 Boibessot, I. 14107
 Boichard, D. 14089
 Bombeiro, A. L. 14248
 Borea, P. A. 14333
 Borri-Voltattorni, C. 14256
 Boshart, M. 14317
 Bossa, F. 14256
 Bossin, H. 14200
 Bosso, N.A. 14087, 1
 Bouteille, B. 14060
 Bouteille, B. 14105
 Bouyer, J. 14041, 14048, 14201, 14202,
 14203, 14206
 Bouzaidi-Tiali, N. 14300
 Boyer, S. 14183
 Boykin, D. W. 14113, 14115, 14229
 Braak, L. 14167
 Bradley, B. 14273
 Brand, V. 14322
 Brass, A. 14313
 Brayton, K. A. 14250
 Brems, S. 14135, 14318
 Briceno, R. D. 14192
 Bridges, A. S. 14113
 Bridges, D. J. 14260
 Brink, D. 14057
 Brombacher, F. 14095
 Brombacher, F. 14244, 14247
 Brown, S. V. 14319
 Brun, R. 14113, 14124, 14229, 14240,
 14258, 14261, 14267 14270, 14272,
 14274, 14277, 14278, 14291
 Brys, L. 14237, 14251
 Buatiche, J. N. 14204
 Bucci, D. Z. 14248
 Bucheton, B. 14289
 Budovsky, A. 14245
 Burchmore, R. J. S. 14260
 Burreson, E. M. 14301
 Burri, C. 14228
 Burton, P. 14302
 Buscher, P. 14065, 14070, 14083, 14240
 Busold, C. 14135, 14318
 Caballero, Z. C. 14290
 Caffrey, C. 14159, 14246
 Caldera, A. 14261
 Caljon, G. 14199
 Callejas, S. 14303
 Cammerer, S. B. 14261
 Campaner, M. 14290
 Campbell, D. A. 14096
 Candlish, D. 14109, 14128
 Cannavan, A. 14242
 Cano, J. 14204
 Cara, C. L. 14333
 Carlson, D. A. 14043, 14028
 Carmona-Gutierrez, D. 14338
 Carnes, J. 14304, 14305
 Carrington, M. 14294, 14318, 14321,

14335
 Carrion, M. D. 14333
 Cassola, A. 14306
 Castellani, M. L. 14271
 Castilho, B. A. 14328
 Catley, A. 14084
 Cavalcante-Goes, G. 14092
 Cayol, J. P. 14188
 Cazzulo, J. J. 14152
 Cellini, B. 14256
 Chacon, E. 14082
 Chantal, I. 14086
 Chappuis, F. 14067
 Charriere, F. 14300
 Chaudhuri, M. 14155
 Checchi, F. 14064, 14074
 Checkley, A. M. 14066
 Chibale, K. 14155
 Chimuka, L. 14186
 Chipeleme, A. 14155
 Chouong, H. 14171
 Chown, S. L. 14040, 14191, 14193, 14197,
 14198
 Chronaki, C. E. 14167
 Chuma, T. 14126
 Chung, W. L. 14295
 Chupin, V. 14339
 Cifuentes-Rojas, C. 14133
 Ciganda, M. 14319
 Cissé, M.F. 14087
 Clardy, J. 14112
 Clark, S. B. 14121
 Clausen, P. H. 14046, 14090, 14241,
 14126
 Clayton, C. E. 14299, 14308, 14318
 Clayton, D. H. 14205
 Cleaveland, S. 14076
 Clusella-Trullas, S. 14197, 14198
 Colowick, N. 14155
 Comini, M. A. 14158, 14307
 Constantine C. C. 14125
 Contestabile, R. 14256
 Conti, P. 14271
 Coombs, G. H. 14246, 14334
 Coosemans, M. 14199
 Corbera, J. A. 14083
 Cornelie, S. 14051 Corrah, T. 14068
 Cotlin, L. F. 14104
 Coulibaly, M. 14171
 Coura, J. R. 14290
 Courtin, D. 14051, 14217
 Courtoy, P. J. 14137
 Cousserans, F. 14200
 Cox, J. St. H. 14168
 Crisante, G. 14290
 Cristodero, M. 14308
 Croft, A. M. 14058
 Cross, G. A. 14310, 14326
 Cruz-Lopez, O. 14333
 Cruz-Reyes, J. 14133, 14309
 Cuisance, D. 14203
 Cuny, G. 14052, 14222, 14289, 14208,
 14336
 Cybulski, Z. R. 14115

 da Silva Giotto, M. T. 14269
 da Silva, A. B. 14120
 da Souza, W. 14261
 Dale, C. 14205
 Dalton, J. P. 14246
 D'Andrea, P. S. 14232
 Dani, V. S. 14056
 Darby, A. C. 14049, 14223
 Darie, H. 14059
 Das, P. K. 14187
 David, O. 14100
 Davis, R. S. 14178
 Dayo, G. K. 14089
 de Baetselier, P. 14095, 14237, 14247,
 14251, 14252
 de Gaudenzi, J. G. 14306
 de Koning, H. P. 14020, 14071, 14109,
 14128, 14272
 de la Roque, S. 14203
 de Luna, C. J. 14185
 de Meeus, T. 14202, 14289
 de Ridder, K. 14199
 de Souza Leite, M. 14134
 Dedet, J. P. 14218
 Deere, J. A. 14197, 14198
 Delespaux, 14020
 Delfin, D. A. 14262

Demeure, F. 14137
 Demonchy, R. 14336
 Deng, H. 14326
 Denninger, V. 14135, 14338
 der Stuyft, P. 14075
 Descalzo, M. A. 14204
 Desquesnesi, M. 14203
 Devaux, S. 14147
 Dever, T. E. 14328
 Devorshak, C. 14169
 Dey, M. 14328
 di Salvo, M. L. 14256
 Dia, M. L. 14081
 Dially, O. 14241
 Dierick, J. F. 14147, 14199
 DiPaolo, C. 14322
 Docampo, R. 14311
 Dodd, R. Y. 14170
 Dolo, G. 14171
 Donelson, J. E. 14315
 Donkor, I. O. 14265
 Donnelly, S. 14246
 D'Orso, I. 14318
 Doumbia, S. 14171
 Dove, M.G. 14057
 Drake, N. 14215
 Dreesen, O. 14310
 Drennan, M. 14247 14251
 Dujardin, J. P. 14202, 14208,
 Dusfour, I. 14208
 Duszenko, M. 14135, 14163, 14338

 Eberhard, W. G. 14192
 Eggen, A. 14089
 Ekanayake, D. K. 14322
 Eleizalde, M. C. 14094
 Elghouzzi, M. H. 14022
 Ellis, L. 14318
 El-On, J. 14245
 Emiru, S. 14224
 Endeshaw, M. M. 14262
 Englund, P. T. 14143, 14160
 Enserink, M. 14190
 Enyaru, J.C. 14091
 Eperon, G. 14067

 Eregae, E. M. 14084
 Ernst, N. L. 14130
 Erphas, O. 14074
 Esterhuizen, J. 14042
 Esterle, L. 14167
 Ezzedine, K. 14059

 Fairlamb, A. H. 14112
 Falick, A. M. 14144
 Fall, A. 14087
 Fan, T. P. 14259
 Fang, J. 14311
 Faulkner, S. D. 14104
 Faye, J. A. 14068
 Federici, L. 14259
 Feldmann, U. 14209
 Fellenberg, K. 14318
 Felu, C. 14312, 107
 Ferguson, H. M. 14175
 Ferguson, M. A. 14033, 14337
 Fernandes, F. 14282
 Fernandez, J. P. 14326
 Ferris, V. 14207
 Fevre, E. M. 14076
 Fick, L. 14247
 Field, M. C. 14295, 14329
 Figarella, K. 14135, 14163, 14338
 Fijolek, A. 14108
 Fisher, P. 14313
 Fitzpatrick, K. 14115
 Fitzpatrick, R. 14164
 Flamand, V. 14237
 Fleck, M. 14130, 14305
 Fleming, L. 14068
 Flohe, L. 14110, 14307
 Fogg, C. 14074
 Fogli, E. 14333
 Folgueira, C. 14136
 Fongang Soh, R. 14118
 Fonseca, F. V. 14134
 Fothergill-Gilmore, L. A. 14149
 Fotie, J. 14262
 Francesconi, I. 14113
 Franco, D. W. 14279
 Franco-Paredes, C. 14172

Frasch, A. C. 14306, 14318
 Friend, H. M. 14058
 Frischknecht, F. 14021
 Frydas, S. 14271
 Fujisaki, K. 14243
 Fukatsu, T. 14205
 Fung, M. C. 14098

Galland, N. 14137
 Gao, G. 14144, 14332
 Garcia, A. 14051, 14217
 Garcia, L. T. 14314
 Garratt, R. C. 14269
 Garraud, O. 14022
 Gash, J. H. C. 14024
 Gathura, P. B. 14084
 Gautier, M. 14089
 Gavalda, S. 14269
 Gedney, N. 14024
 Geerts, S. 14339
 George, T. G. 14262
 Gerardo-Abaya, J. 14188
 Gessi, S. 14333
 Geysen, D. 14053, 14339
 Ghabri, S. 14074
 Ghorashian, S. 14064
 Gibson, W. 14066, 14127, 14138, 14194,
 14207, 14285, 14286, 14329, 14335
 Gilbert, I. H. 14261, 14274
 Gilioli, G. 14210
 Gillingwater, K. 14240
 Ginger, M. L. 14316
 Girel, J. 14183
 Gitonga P. K. 14125
 Glaser, M. 14116
 Glover, L. 14139
 Gluenz, E. 14335
 Gomes Dias, S. M. 14269
 Gonzales, J. L. 14082
 Gonzalez Pacanowska, D. 14261
 Gooding, R. H. 14208
 Gordon, S. 14316
 Gortazar, C. 14236
 Goulah, C. C. 14140
 Gould, M. 14128, 14260, 14272

Gourguechon S. 14141, 14323
 Gourley, S. A. 14023
 Gow, A. G. 14235
 Grace, D. 14090, 14241
 Grandgenett, P. M. 14315
 Grant, M. H. 14107
 Grebaut, P. 14051, 14052
 Greenwood, B. 14068
 Griffiths, S. 14316
 Griot, C. 14078
 Gros, L. 14261
 Gudín, S. 14109
 Guerin, P. M. 14048
 Guerrah, A. 14155
 Guerrini, L. 14202, 14206
 Williams, M. 14237, 14251, 14252
 Gull, K. 14297, 14316, 14335, 14340
 Gunzenhauser, S. 14278
 Guther, M. L. 14033
 Gutierrez, A.P. 14210
 Gutierrez, C. 14080, 14083
 Guy, M. 14068
 Guz, N. 14034, 14037

Habib-Jiwan, J. L. 14264
 Hajduk, S. 14104, 14154, 14254
 Hake, S. B. 14326
 Hall, J. E. 14113, 14258
 Hamel, C. 14064
 Hamilton, P. B. 14285 14286
 Hammarton, T. C. 14142, 14317
 Hannaert, V. 14137
 Hansell, E. J. 14246
 Hargrove, T. Y. 14123
 Harris, S. 14064
 Harris, T. H. 14097
 Hartmann, C. 14318
 Hashimoto, N. N. 14328
 Hassanali, A. 14050, 14044, 14213
 Hatama, S. 14287
 Hatz, C. 14228
 Hatzistilianou, M. 14271
 Heby, O. 14263
 Hedeler, C. 14313
 Hee Lee, S. 14143

Hellman, K 14319, 14320
Hemming, D. 14024
Hemphill, A. 14153
Henderson, S. J. 14115
Hendrichs, J. 14173
Herder, S. 14219, 14336
Herin, M. 14237
Hernandez, A. 14133
Herrera, H. M. 14232
Hidron, A. 14172
Hill, G. C. 14155
Hill, K. L. 14132
Himstedt, H. 14090
Hodgetts, A. 14174
Hoek, A. 14339
Hoerr, V. 14116
Hoet, S. 14264
Hofer, A. 14108
Hoheisel, J. 14135, 14318
Holzgrabe, U. 14116
Hongwiset, D. 14283
Hoogstoel, A. 14070
Horn, D. 14129, 14139
Houchen, T. L. 14115
Howie, S. 14068
Hu, Q. 14113
Huang, T. L. 14265
Huang, X. 14106
Huh, B. J. 14175
Hulme, H. 14313
Huntingford, C. 14024
Hurlbut, J. A. 14121
Hutchinson, O. C. 14321
Hypsa, V. 14036

Iezhova, T. A. 14079
Igarashi, I. 14243
Iizuka, N. 14324
Imbuga, M. 14238
Inoue, N. 14098, 14099, 14243
Ioannou, P. V. 14284
Iqbal, Z. 14080
Iraqi, F. 14238, 14255
Isamah, C. 14129
Ismail, M. A. 14113

Izquierdo, L. 14337
Izuhara, K. 14246

Jabbar, A. 14080
Jabeen, I. 14128
Jackson, C. J. 14058
Jacobs, M. 14247
Jacobson, K. M. 14061
Jaeger, T. 14110
Jager, H. R. 14066
Jaishankar, R. 14025
Jambulingam, P. 14038
Jamonneau, V. 14289
Jannin, J. 14056, 14063
Jansen, A. M. 14232
Janzen, C. J. 14219, 14326
Jarvis, S. M. 14109
Jesus, T. C. 14328
Jhonson, C. P. 14025
Jia, Y. 14106
Jimenez, C. 14261
Jirku, M. 14219
John, B. A. 14115
Jones, D. C. 14112, 14172
Jones, N. G. 14321
Jones, S. 14261
Joshi, P. P. 14056, 14063
Josseran, L. 14167
Jung, M. 14283
Junqueira, A. C. 14290
Jurenka, R. 14193

Kaare, M. T. 14076
Kabasa, J. D. 14069
Kabore, I. 14041
Kaboya, S. 14226
Kabututu, Z. 14132
Kadota, K. 14287
Kadowaki, T. 14246
Kagira, J. M. 14230
Kaiser, M. 14118, 14261, 14267, 14272,
14274, 14277
Kaitho, T. 14084

Kamuanga, M. 14214
 Kanaji, S. 14246
 Kande Betu Ku Mesu, V. 14052, 14075
 Kang, X. 14144
 Kanno, T. 14287
 Kapitano, B. 14209
 Kappmeier Green, K. 14211
 Karbiwnyk, C. M. 14121
 Karlsbakk, E. 14122, 14301
 Karunakara, U. 14064
 Kassack, M. U. 14283
 Katti, R. 14056, 14063 Kaur, H. 14281
 Kawahara, T. 14129
 Kazumba, L. 14228
 Keillor, J. W. 14149
 Kelly, J. M. 14281
 Kemp, S. 14313
 Kenmore, P. 14173
 Kennedy P.G. 14026, 14273
 Kessler, R. H. 14092
 Khachane, A. N. 14035
 Khan, A. 14275
 Khanande, V. D. 14056
 Khrizman, A. 14266
 Kibona, S. N. 14288
 Kieft, R. 14322
 Kiflom, M. 14209
 Killeen, G. F. 14175
 Kiragu, J. M. 14220
 Kiragu, J. 14225
 Kitala, P. M. 14084
 Klassen, W. 14176
 Klepetsanis, P. 14284
 Klok, C. J. 14193
 Kneipp, L. F. 14276
 Knols, B. G. 14175
 Kode, N. R. 14265
 Koets, A. P. 14339
 Koffi, M. 14289
 Koga, R. 14205
 Kohl, L. 14340
 Kokwaro, E. D. 14050, 14220, 14225
 Kombe, E. 14226
 Koning, H.P. 14260
 Koomen, G. J. 14272
 Korf, J. 14251
 Krafstur, E. S. 14039
 Kramer, S. 14317
 Krasfur, E. S. 14193
 Krauth-Siegel, R. L. 14307, 14158
 Krecek, R. C. 14180
 Krishna, S. 14231
 Kristensson, K. 14249
 Kröll, J. S. 14174
 Kubi, C. 14221
 Kuboki, N. 14243
 Kuettel, S. 14267
 Kumar, A. 14113
 Kumar, N. 14038, 14061
 Kunz, C. 14124
 Kunz, S. 14153
 Kutty, S. N. 14196
 la Torre, A. 14228
 Lafaye, M. 14167
 Lancelot, R. 14030, 14041, 14048
 Landeira, D. 14151
 Lang, F. 14135, 14338
 Langford, P. R. 14174
 Laperche, S. 14022
 Law, J. A. 14145
 Laxman, S. 14146, 14268
 Le Bourligu, L. 14222
 Le Bras, M. 14059
 Lecordier, L. 14147, 14253
 Lee, S. 14033, 14160
 Lefevre, P. 14075
 Lefevre, T. 14177, 14222
 Lefrere, J. J. 14022
 Legros, H. 14089
 Lehane, M. J. 14194
 Lehane, S. M. 14194
 Leite, N. R. 14314
 Lejon, V. 14065, 14070
 Lemperiere, G. 14183
 Lenglet, A. 14167
 Lepesheva, G. I. 14123
 Levin, M. 14174
 Li, C. 14262
 Li, J. 14319
 Li, S. Q. 14098
 Li, Z. 14323

Liao, D. 14295
 Likeufack, A. C. 14150, 14293
 Lima, A. P. 14334
 Lima, M. M. Jr. 14092
 Lima, M. R. 14248
 Little, S. 14266
 Liu, R. 14023
 Lleo, M. M. 14167
 Loi, P. 14237
 Loiseau, P. M. 14284
 Londono, I. 14265
 Lorente, S. O. 14261
 Louga, A. 14074
 Loutan, L. 14067
 Lowther, J. 14246
 Loza, A. 14082
 Lu, S. 14324
 Lubanza, S. 14075
 Lubega, G. W. 14288
 Luisi, B. 14259
 Lukes, J. 14219
 Lun, Z. 14098
 Luscher, A. 14071, 14111, 14128, 14325
 Lusic, A. J. 14096
 Lutumba, P. 14072, 14075
 Luu, V. D. 14318

Mabey, D. C. 14066
 Macedo, P. A. 14178
 Mackay, S. P. 14242
 Macleod, A. 14150, 14293
 Macleod, E. T. 14049, 14163, 14223
 Madruga, C. R. 14092
 Mady, C. 14282
 Maeser, P. 14124
 Magez, S. 14095, 14244, 14247, 14251, 14252
 Maharjan, M. 14077
 Mahasanen, K. 14262
 Maia Da Silva, F. 14290
 Maillard, J. C. 14086
 Maina, K. J. 14291
 Maina, N. W. 14124, 14230, 14291
 Mairo, I. H. 14100
 Makieya, E. 14072

Malele, I. I. 14127, 14226, 14285
 Malvy, D. 14059
 Mamoudou, M. 14233
 Mandava, V. 14326
 Mangoni, P. 14228
 Manozza, A. 14226
 Mansfield, J. M. 14097
 Mansinsa Diabakana, P. 14052
 Manzambi, E. Z. 14052
 Marasco, C. J., Jr. 14280
 Marcello, L. 14148, 14327
 Marcos, V. De. 14269
 Marcotty, T. 14053, 14234
 Marinho, C. R. 14248
 Marquez, J. G. 14039
 Marti, G. 14153
 Marti, J. 14086
 Martinez-Oyanedel, J. 14149
 Martins dos Santos, V. A. 14035
 Martins, C. 14092
 Martins-Santos, R. 14248
 Martyn, D. C. 14112
 Maser, P. 14071, 14111, 14128, 14260, 14291, 14325
 Maslov, D. A. 14292
 Masocha, W. 14249
 Matemba, L. 14288
 Mathis, A. M. 14113
 Matovu, E. 14091
 Matsakis, Y. 14167
 Matthews, K. 14329
 Maudlin, I. 14027, 14045, 14049, 14223
 Mayence, A. 14265
 Mazumder, L. 14265
 Mbaya, A. W. 14114
 McBride, D. J. 14302
 McBurney, A. 14115
 McCormack, G. 14150, 14293
 McCulloch, R. 14131, 14302
 McKerrow, J. H. 14246
 McNae, I. W. 14149
 Meeus, T. de 14208
 Meheus, F. 14072
 Meier, R. 14196, 14283
 Mekonnen, S. 14209
 Melaku, G. 14224
 Melchers, J. 14158

Mellau, L. S. 14076
Mello, L. V. 14269
Melo, E. P. 14092
Melville, S. 14303
Mendez, J. 14172
Merid, N. 14224
Meyer-Fernandes, J. R. 14134
Miaka Mia Bilenge, C. 14065
Michels, P. A. 14137, 14149
Midgley, I. 14115
Miguita, M. 14092
Mihok, S. 14028, 14043
Miller, K. E. 14121
Mills, E. J. 14166
Minton, E. J. 14058
Miranda, K. 14311
Miranda, M. 14082
Mishra, D. R. 14077
Mitsos, C. 14274
Mlengeya, T. 14076
Mmualefe, L. C. 14186
Mochabo, M. O. 14084
Moens, L. 14199
Moestrup, S. K. 14062, 14254
Moll, H. 14116
Molyneux, D. 14068
Monteiro, F. A. 14290
Monzon, C. M. 14093
Moorman, A. R. 14333
Moraes, M. C. 14328
Morales, M. 14083
Morgan, R. E. 14262
Morris, A. 14255
Morrison L. J. 14150, 14293
Moser, M. 14237
Mott, H. 14321
Mottram, J. C. 14246, 14317, 14334
Mousa, H. M. 14101
Moyna, G. 14266
Mozzarelli, A. 14256
Msangi, A. R. 14127
Msumary, C. 14226
Mtambo, M. M. 14076
Muccioli, G. G. 14264
Mueller, D. M. 14162
Muhammad, G. 14080, 14085
Mukherjee, M. S. 14262
Mumba, D. 14070
Murila, G. A. 14220, 14225
Muth, M. 14116
Mwalimu, C. 14226
Mwatseteza, J. F. 14186
Naessens, J. 14255
Nakajima, K. 14062
Nakata, H. 14117
Namangala, B. 14099
Nambota, A. 14243
Naquira, C. G. 14172
Natarajan, R. 14038
Natesan, S. K. 14329
Nauen, R. 14179
Naureen, A. 14085
Navarro, A. S. 14269
Navarro, M. 14151
Nayduch, D. 14195
Ndegwa, P. N. 14043
Ndiege, I. O. 14050
Ndjakou Lenta, B. 14118
Ndong-Mabale, N. 14204
Ndongo-Asumu, P. 14204
Ndung'u, J. M. 14124
Nedospasov, S. 14247
Nerima, B. 14111
Nerima, B. 14091, 14260
Nes, W. D. 14123
Ngai, I. 14340
Nganga, J. 14238
Ng'habi, K. R. 14175
Ngouela, S. 14118
Nielsen, M. J. 14062, 14254
Nikoh, N. 14205
Nindi, M. M. 14186
Njiru Z. K. 14125
Nkoane, B. 14186
Nkwengulila, G. 14046, 14175
Noel, W. 14237
Nok, A. J. 14100
Novakova, E. 14036
Nowicki, C. 14152
Nowicki, M. W. 14149
Noyes, H. 14068, 14313

N'Siesi F. X. 14065, 14070
Nunez-Apaza, L. N. 14248
Nuttall, P. A. 14024
Nwodo, N. J. 14270
Nwosu, C. O. 14114
Nyingilili, H. S. 14226
Nylund, A. 14122
Nzambo-Ondo, S. 14204

Oberholzer, M. 14153
Oberle, M. 14124
Ochsenreiter, T. 14154
Oduola, A. M. 14184
Ogara, W. O. 14084
Ogbadoyi, E. O. 14119
Ogunfowokan, A. O. 14186
Ohaga, S. O. 14050
O'Hearn, S. 14145
Ohshima, S. 14324
Ohta, N. 14324
Ohta, S. 14246
Okamoto, K. 14126
Okogun, J. I. 14119
Okoth, S. O. 14220, 14225
Oldenhove, G. 14237
Ollivier, G. 14052
Oluyinka, O. O. 14100
Omer, O. H. 14101
Onal, P. 14325
Ondo-Esono, M. 14204
Onyeyili, P. A. 14114
Opperdoes, F. R. 14264
Orenstein, R. 14061
Osadebe, P. O. 14270
Osakabe, A. L. 14279
Osterwisch, D. 14133
Otieno, C. 14124
Otsu, K. 14315
Ott, R. D. 14123, 14155
Ouma, J. O. 14039
Ozdirekcan, S. 14339

Pages, F. 14165

Palmer, G. H. 14250
Pan, W. L. 14102
Panizzutti, R. 14134
Papadopoulos, E. 14271
Papazahariadou, M. 14271
Parker, A. 14200
Parris, G. E. 14055
Pasture, J. 14312
Patrel, D. 14222
Paul, K. S. 14160
Paulnock, D. M. 14097
Pavanelli, W. R. 14279
Pavia, P. 14133
Pays, A. 14063
Pays, E. 14062, 14063 14147, 14253,
14312
Peacock, L. 14207, 14329, 14335
Pearson, R. A. 14180
Pelletier, M. 14330
Pelloux, H. 14060
Peltan, A. 14305
Peñate, X. 14151
Pendleton, F. N. 14212
Pepin, J. 14066, 14073
Perez-Morga, D. 14253, 14312
Perozzo, R. 14267
Persson, L. 14156
Petersen, F. T. 14196
Peterson, R. K. 14178
Pfeifer, I. B. 14092
Pherez, F. M. 14181
Phillips, M. A. 14164
Phiri, I. 14053, 14234
Picozzi, K. 14076, 14235, 14288, 14294,
14321
Pieters, L. 14264
Pimental, D. 14182
Piola, P. 14074
Piquemal, D. 14086
Pitchford, W.S. 14088
Poelvoorde, P. 14063, 14147
Poinsignon, A. 14051
Ponte-Sucre, A. 14116
Portman, N. 14316
Potgieter, F. T. 14211
Powar, R. M. 14056
Prete, D. 14333

Preux, P. M. 14065
 Price, H. P. 14331
 Priotto, G. 14074
 Prohaska, K. 14320
 Pruvot, M. 14048
 Puerta, C. 14133
 Pusnik, M. 14300

Quashie, N. B. 14109
 Quetin-Leclercq, J. 14264
 Queyriaux, B. 14029

Racloz, V. 14078
 Rademaker, V. 14232
 Radrova, J. 14219
 Radwanska, M. 14247
 Raes, G. 14252
 Ragunathan, V. 14187
 Rajavel, A. R. 14038
 Ralston, K. S. 14132
 Ramirez, L. E. 14290
 Randolph T. 14090, 14239, 14241
 Ranford-Cartwright, L. C. 14109
 Rattendi, D. 14265, 14280
 Ravel, P. 14183
 Ravel, S. 14202, 14208, 14222
 Raveton, M. 14183
 Read, L. K. 14140, 14330
 Reglero, M. 14236
 Reiber, H. 14070
 Reid, S. A. 14098, 14125
 Remoue, F. 14051
 Remsing, R. C. 14266
 Renault, L. 14222
 Rengli, C. K. 14161
 Rentala, M. 14263
 Requena, J. M. 14136
 Reyna-Bello, A. 14094
 Reznikoff, W. S. 14322
 Ribeiro, L. R. 14092
 Richmond, G. S. 14157
 Riechers, A. 14146
 Rigden, D. J. 14270

Robays, J. 14070
 Robinson, A. S. 14173, 14192, 14200
 Robinson, T. 14215
 Roche, J. 14204
 Rodenko, B. 14128, 14272
 Rodgers, J. 14273
 Roditi, I. 14161
 Rodrigues, A. C. 14290
 Rodrigues, C. 14261
 Rodrigues, J. C. 14261
 Rodriguez-Morales, A. J. 14172
 Rogers, K. 14144, 14332
 Rohloff, P. 14311
 Romagnoli, R. 14333
 Rosselli, F. P. 14120
 Rottenberg, M. E. 14249
 Rouco, C. 14236
 Ruda, G. F. 14274
 Ruiz Perez, L. M. 14261
 Ruppert, T. 14158
 Rutishauser, J. 14228
 Ruyechan, W. 14319
 Ryffel, B. 14247
 Sabatini, R. 14322
 Sacchetto, V. 14333
 Sadilek, M. 14146
 Saf, R. 14277
 Saini, R. K. 14044, 14050
 Saini, R. K. 14213
 Sajid, M. S. 14085
 Sakata, Y. 14246
 Sanderson, L. 14275
 Sane, B. 14208
 Santos, A. L. 14276
 Santos, C. C. 14334
 Saqib, M. 14085
 Sardinha, L. R. 14248
 Sartorelli, P. 14282
 Sasaki-Fukatsu, K. 14205
 Saultter, J. 14113
 Savich, J. M. 14141
 Scapozza, L. 14267
 Schad, G. J. 14242
 Schenkman, S. 14328
 Schlapper, C. 14277
 Schlecker, T. 14158
 Schmid, C. 14067, 14228

Schnauffer, A. 14130
 Schneider, A. 14300
 Schoenfeld, C. 14135, 14338
 Schreur, P. W. 14339
 Schutte, C. 14057
 Schwartz, K. J. 14328
 Schwede, F. 14146
 Schweingruber, A. M. 14325
 Scory, S. 14159
 Sebikali, C. 14091
 Seebacher, W. 14277
 Seebeck, T. 14153
 Sehgal, R. N. 14079
 Sekoni, V. 14100
 Senn, M. 14278
 Sequin, U. 14278
 Serandour, J. 14183
 Shahada, F. 14126
 Shakoor, A. 14080
 Shanmugham, L. N. 14271
 Sharma, R. 14321, 14335
 Shaw, A. 14072
 Shegokar, V. R. 14056
 Shen, J. 14106
 Shi, M. Q. 14102, 14103
 Shibahara, T. 14287
 Shiflett, A. M. 14104, 14254
 Shih, D. 14096
 Siberti, A. 14203
 Sidibe, I. 14089, 14090
 Sidibé, L. 14202
 Siles, L. M. 14082
 Silva, A. M. 14094
 Silva, J. J. 14279
 Silva, J. S. 14279
 Simo, G. 14052, 14336
 Simon, F. 14167
 Simondon, F. 14051
 Simpson, J. W. 14235
 Simpson, L. 14144, 14292, 14332
 Simukoko, H. 14053, 14234
 Sindato, C. 14226
 Singh, S. 14166
 Singh, U. 14162
 Sippl, W. 14283
 Skellern, G. G. 14107
 Slack, R. D. 14266
 Smith, B. 14331
 Smith, D. F. 14331
 Smith, T. B. 14079
 Smith, T. K. 14157
 Smith, W. A. 14205
 Sneir, R. 14245
 Soares, C. O. 14092
 Soares, R. M. 14276
 Solano, P. 14202, 14208, 14289
 Sollner-Webb, B. 14145
 Somda, J. 14214
 Sommerfeld, J. 14184
 Sparagano, O. A. 14185
 Spiess, A. J. 14280
 Stachurski, F. 14041
 Stack, C. 14246
 Starchurski, F. 14030
 Stark, K. D. 14078
 Stark, M. 14331
 Stephens, J. L. 14143, 14160
 Stephens, N. 14104
 Stevens, J. R. 14286, 14313
 Steverding, D. 14159
 Stewart, M. 14318
 Steyaert, J. 14298
 Stich, A. 14116
 Stierhof, Y. D. 14159
 Stijlemans, B. 14251, 14252
 Stüngl, P. 14031
 Strickler-Dinglasan, P. M. 14037
 Stuart, K. 14130, 14304, 14305
 Studer, E. 14161
 Sufirin, J. R. 14280
 Sugimoto, C. 14099, 14243
 Suo, X. 14106
 Suwanvanichkij, V. 14166
 Suzuki, M. 14287, 14324
 Suzuki, T. 14324
 Sweeney L. 14150
 Sweeney, K. 14322
 Sweeney, L. 14293
 Sylla, S. 14089
 Symeonakis, E. 14215
 Symeonidou, I. 14271

Tabasco, A. 14167
 Tabel, H. 14102, 14103
 Tabrizi, M. A. 14333
 Tait, A. 14150, 14293
 Takeshita, K. 14246
 Tanaka, K. 14205
 Tanaka, Y. 14246
 Tanious, F. A. 14113
 Tantangmo, F. 14118
 Taylor, L. M. 14115
 Taylor, M. N. 14066
 Taylor, P. R. 14316
 Tayor, M. C. 14281, 95
 Teixeira, M. M. 14290
 Tellez, I. 14172
 Tempone, A. G. 14282
 Terblanche, J. S. 14040, 14191, 14193,
 14197, 14198
 Tetley, L. 14033, 14317
 Tettey, J. N. 14107, 14242
 Thekisoe, O. M. 14243
 Thelander, L. 14108
 Thevenon, S. 14086, 14089, 14202
 Thiemann, O. H. 14314
 Thomas, F. 14177, 14222
 Thomas, S. 14275
 Thomaz, R. 14134
 Thompson, R. C. A. 14125
 Tibayrenc, M. 14032
 Tidwell, R. R. 14113, 14229, 14258
 Tielens, A. G. 14339
 Tietjen, U. 14126
 Tikubet, G. 14210
 Timmis, K. N. 14035
 Tollens, E. 14214
 Torr, S. J. 14045
 Torto, N. 14186
 Toure, A. M. 14171
 Traore, S. F. 14171
 Trapp, J. 14283
 Trendler, K. L. 14115
 Trotter, J. R. 14305
 Truc, P. 14056, 14062,
 14063, 14150, 14293
 Tsamo, E. 14118
 Turner, C. M. 14150, 14293
 Turnipseed, S. B. 14121
 Turnock, D. C. 14337
 Tward, A. 14096
 Uchida, I. 14287
 Ul Hasan, M. 14080
 Urbina, J. A. 14261
 Urwyler, S. 14161
 Uslan, D.Z. 14061
 Uzcatogui, N. L. 14338
 Uzureau, P. 14147
 Vale, G. A. 14045
 Valkiunas, G. 14079
 Van Arendonk, J.A.M. 14087
 van Coller, R. 14057
 Van Den Abbeele, J. 14199, 14251
 Van den Berg, H. 14187
 Van den Bossche, P. 14042, 14053, 14221,
 14234, 14339,
 Van der Burg, A. M. 14272
 Van der Smissen, P. 14137
 Van der Waaij, E. H. 14087
 Van Grinsven, K. W. 14339
 Van Hellemond, J. J. 14339
 Van Nieuwenhove, S. 14065
 Van Rensburg, E. 14057
 Van Veen, H. W. 14259
 Vanden Eynde, J. J. 14265
 Vanhamme, L. 14062, 14147
 Vanhollenbeke, B. 14062, 14063, 14253
 Vaughan, S. 14340
 Velamakanni, S. 14259
 Venter, H. 14259
 Vercesi, A. 14134
 Verduynde, J. 14053, 14234
 Verplaetse, E. 14137
 Vertommen, D. 14137
 Vial, L. 14202
 Vicente, J. 14236
 Villafuerte, R. 14236
 Villar, J. C. 14166
 Vincendeau, P. 14105
 Von Hildebrand, A. 14187

Von, A. 14172
Vonthron-Senecheau, C. 14118
Votypka, J. 14219
Vreysen, M. J. B. 14173, 14188, 14211

Waibel H. 14239
Walgraffe, D. 14147
Walkinshaw, M. D. 14149
Wallace, L. J. 14128
Wamwiri, F. N. 14046
Wang, C. C. 14141, 14323
Wang, C. R. 14102
Wang, G. 14265
Wang, Q. 14106
Wang, Y. 14162
Wanner, M. J. 14272
Watanabe, Y. 14062
Waterman, M. R. 14123
Watson, D. G. 14107
Wei, G. J. 14102, 14103
Weis, R. 14277
Weiss, B. L. 14189
Welburn, S. C. 14049, 14076, 14163,
14223, 14294, 14321
Welthagen, G. 14057
Wen, L. 14324
Wendel, S. 14054
Weniger, B. 14118
Wenzler, T. 14113, 14258
Werbovetz, K. A. 14258, 14262
Wheeler, R. J. 14340
Whittle, H. 14068
Widener, J. 14104, 14254
Wiegmann, B. M. 14196
Wilkes, J. M. 14302
Wilkinson, S. R. 14281
Willert, E. K. 14164
Williams, N. 14319, 14320
Wilson, H. R. 14315
Wilson, M. E. 14315
Wilson, W. D. 14113
Woldeyes, G. 14209
Wolstencroft, K. 14313
Woodrow, C. J. 14231
Wright, S. J. 14115

Wu, J. 14023
Wu, Y. 14034

Yabu, Y. 14324
Yakovich, A. J. 14262
Yamamoto, K. 14246
Yang, C. 14106
Yardley, V. 14266
Yartlet, N. 14265
Yasuda, J. 14243
Yoshihara, K. 14255
Yoshizawa, K. 14205
Yu, J. M. 14096

Zagana, P. 14284
Zambon, A. 14267
Zare, V. R. 14056
Zeze, D. G. 14208
Zhang, G. 14106
Zhang, Q. 14265
Zhou, S. 14144

