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INTEGRATING CLINICAL DEMOGRAPHIC AND MOLECULAR DATA IN TUBERCULOSIS

ANALYZE

TIME SNP

CO-OCCURRENCE GEOGRAPHIC

AGE TREATMENT

GENDER REPORTS

RESISTANCE

BROWSE

TAXONOMY RESISTANCE

GEOGRAPHIC SNP

TIME SAMPLES

GENDER SEARCH

LIST

DATA INPUT DIVERSITY

CSV FILE DENDROGRAM

FORM

ENTITIES TEAM

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FUNDAÇÃO CALOUSTE GLIBERTIAN

Instituto Galbertain de Ciência

SNP-based dendrogram of strains in database

ALIGNMENT

Select an year to visualize strain distribution:

2008 Submit

Select a country to visualize strain distribution, among patients born in the selected country:

BRAZIL Submit

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Species/Strain variation along the years

Select a species:

M. tuberculosis Submit

Select a strain:

LAM Submit

Number of infected cases, for all species, along the years

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Year	M. xenopi	M. gordonae	M. fortuitum	Unclassified	M. africanum	M. chelonae	M. avium	M. bovis	M. kansasii	M. tuberculosis
2001	1000	1500	2000	2500	1000	1000	1000	1000	1000	1000
2002	1000	1500	2000	2500	1000	1000	1000	1000	1000	1000
2003	1000	1500	2000	2500	1000	1000	1000	1000	1000	1000
2004	1000	1500	2000	2500	1000	1000	1000	1000	1000	1000
2005	1000	1500	2000	2500	1000	1000	1000	1000	1000	1000
2006	1000	1500	2000	2500	1000	1000	1000	1000	1000	1000
2007	1000	1500	2000	2500	1000	1000	1000	1000	1000	1000
2008	1000	1500	2000	2500	1000	1000	1000	1000	1000	1000
2009	1000	1500	2000	2500	1000	1000	1000	1000	1000	1000

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Species variation in reinfections cases

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Species	M. tuberculosis	M. africanum	M. bovis	M. kansasii	M. xenopi	M. avium	M. gordonae	M. chelonae	M. fortuitum	Unclassified
M. tuberculosis	High	Low	Low	Low	Low	Low	Low	Low	Low	Low
M. africanum	Low	High	Low	Low	Low	Low	Low	Low	Low	Low
M. bovis	Low	Low	High	Low	Low	Low	Low	Low	Low	Low
M. kansasii	Low	Low	Low	High	Low	Low	Low	Low	Low	Low
M. xenopi	Low	Low	Low	Low	High	Low	Low	Low	Low	Low
M. avium	Low	Low	Low	Low	Low	High	Low	Low	Low	Low
M. gordonae	Low	Low	Low	Low	Low	Low	High	Low	Low	Low
M. chelonae	Low	Low	Low	Low	Low	Low	Low	High	Low	Low
M. fortuitum	Low	Low	Low	Low	Low	Low	Low	Low	High	Low
Unclassified	Low	Low	Low	Low	Low	Low	Low	Low	Low	High

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Antibiotic resistance per SNP

Select a SNP:

78165 - rpoB Submit

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Antibiotic	T (Tuberculosis)	C - (H37Rv)
Rifampicin	21	0
Streptomycin	32	18
Isoniazid	12	20
Pyrazinamide	17	0
Ethambutol	12	0