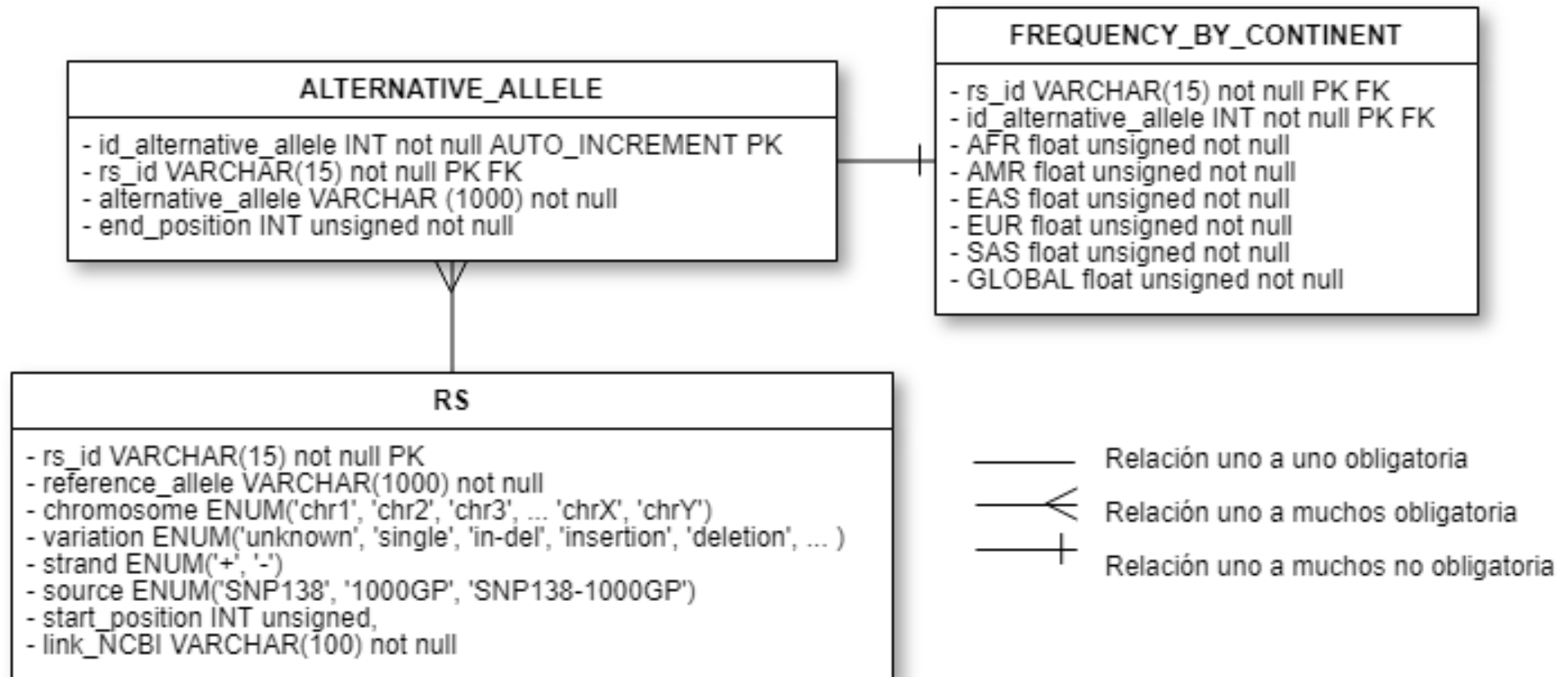




PANGAEA Project

Diagrama Entidad-Relación:



Diseño de Tablas:

Tabla 1:	RS							
Columnas:	rs_id	reference_allele	chromosome	variation	strand	source	strat_position	link_NCBI
Restricciones:	NN, U, PK	NN	ENUM('Chr1', 'Chr2', 'Chr3', ...)	ENUM('single', 'in-del', 'mnp', ...)	ENUM('+', '-')	ENUM('1000GP', 'SNP138', 'SNP138-1000GP')		NN
Tipo de dato:	VARCHAR(15)	VARCHAR(1000)	ENUM	ENUM	ENUM	ENUM	INT unsigned	VARCHAR(100)
Ejemplo1:	rs78534178	G	Chr9	single	+	SNP138	10494049	https://www.ncbi.nlm.nih.gov/snp/rs78534178
Ejemplo2:	rs115481550	C	Chr2	single	+	SNP138-1000GP	15863	https://www.ncbi.nlm.nih.gov/snp/rs115481550
Ejemplo3:	rs369327816	A	NULL	biallelic_SNP	NULL	1000GP	NULL	https://www.ncbi.nlm.nih.gov/snp/rs369327816

Tabla 2:	FREQUENCY_RS_LOCATION							
Columnas:	id_alternative_allele	rs_id	AFR	AMR	EAS	EUR	SAS	ALL
Restricciones:	PK, FK, NN	PK, FK, NN	NN	NN	NN	NN	NN	NN
Tipo de dato:	INT	VARCHAR(15)	FLOAT unsigned	FLOAT unsigned	FLOAT unsigned	FLOAT unsigned	FLOAT unsigned	FLOAT unsigned
Ejemplo1:	971819	rs369327816	0.01361573374	0.00144092219	0	0	0	0.003793929712
Ejemplo2:	61811	rs80063772	0.9742813918	0.8443804035	0.9047619048	0.7634194831	0.8885480573	0.883186901
Ejemplo3:	5489	rs981863	1	1	1	1	1	1

Tabla 3:	ALTERNATIVE_ALLELE			
Columnas:	alternative_allele_id	rs_id	alternative_allele	end_position
Restricciones:	NN, U, PK	NN, U, PK, FK	NN	NN
Tipo de dato:	INT	VARCHAR(15)	VARCHAR(1000)	INT
Ejemplo1:	12229	rs78534178	G/T	10494050

Ejemplo2:	5678	rs115481550	C/T	15864
Ejemplo3:	44567	rs369327816	A/G	46951