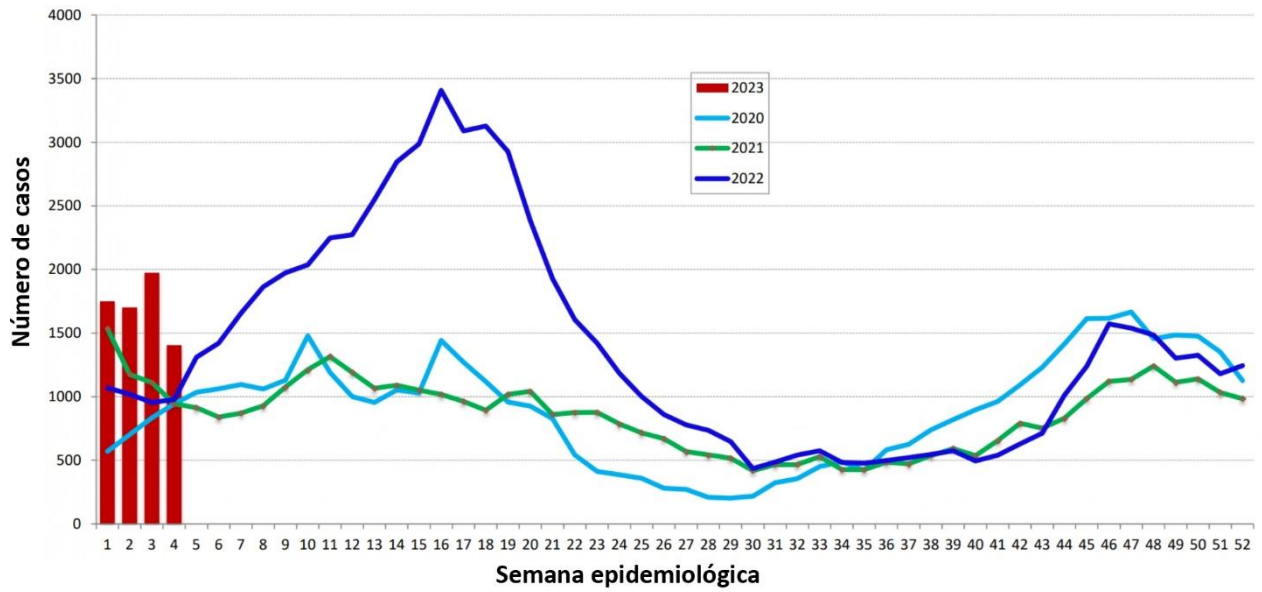


MATERIAL SUPLEMENTARIO

A



B

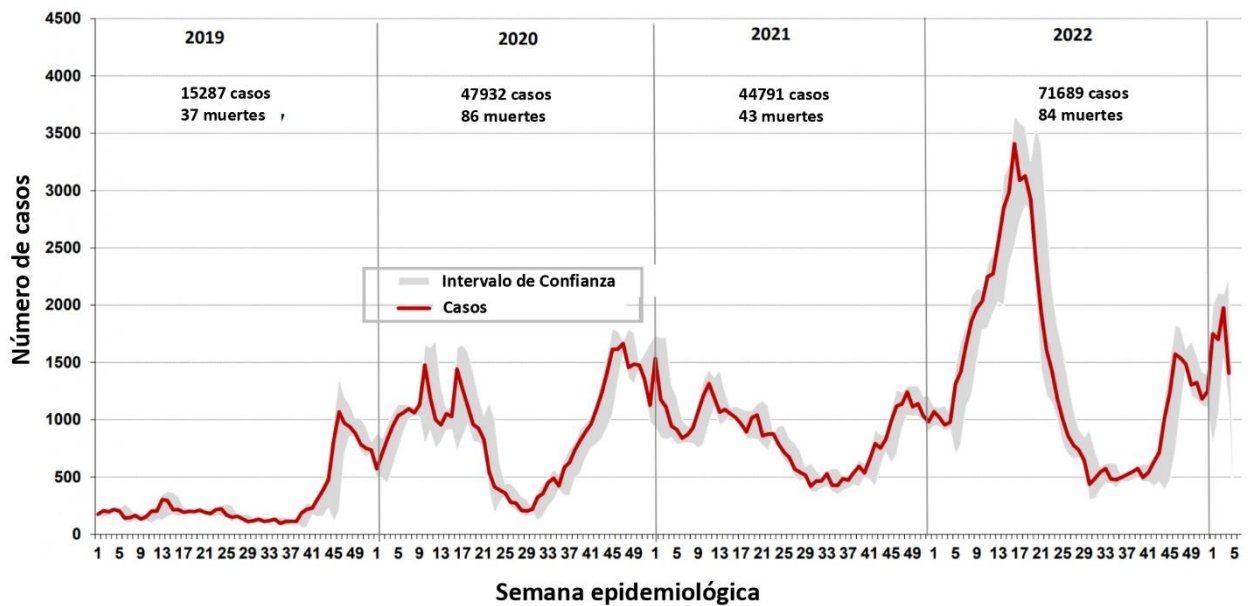


Figura S1. Tendencias de notificación y reporte de casos de Dengue en Perú del 2019 al 2022. La imagen fue tomada del sitio web del Centro Nacional de Epidemiología, Prevención y Control de Enfermedades del Perú. El panel A compara el número de casos notificados de la enfermedad del Dengue de 2020 a 2022. El panel B muestra las tendencias en la notificación de la enfermedad del Dengue en Perú de 2019 a 2022.

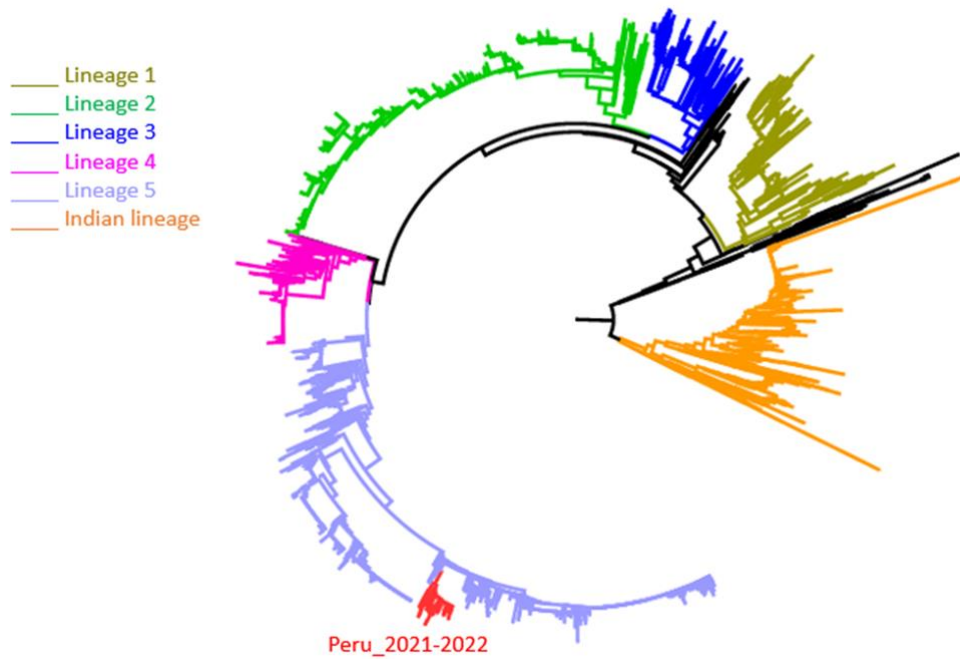


Figura S2. Clasificación de linajes del genotipo cosmopolita del DENV-2. Las secuencias peruanas resaltadas en rojo pertenecen al linaje 5, descrito previamente [32]. Las secuencias peruanas, resaltadas en rojo, pertenecen al linaje 5, como se describió previamente [32]. El análisis incluyó 3.827 secuencias completas del gen E del genotipo cosmopolita del DENV-2, incluidas las secuencias del estudio y las recuperadas de la base de datos del NCBI.

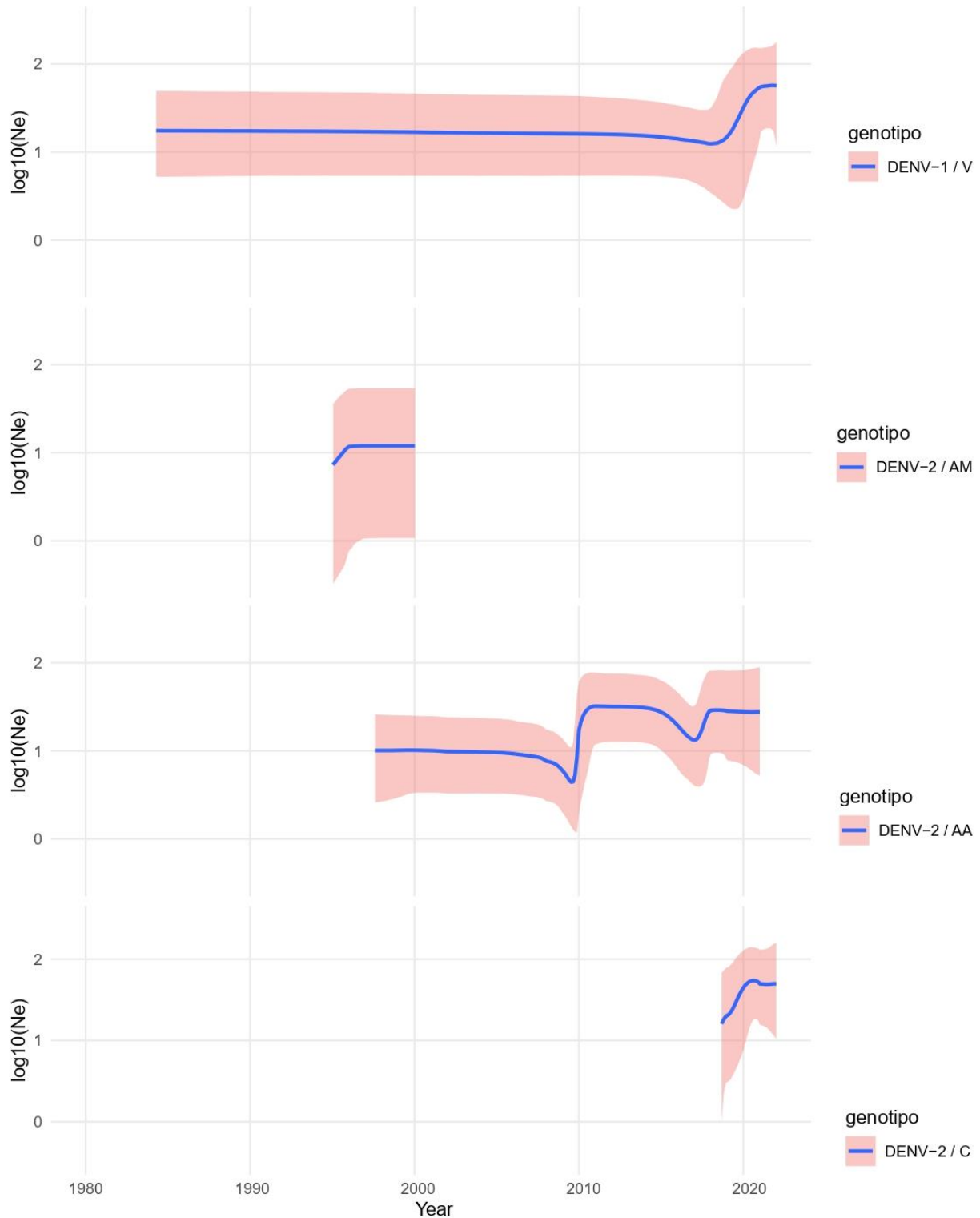


Figura S3. Skyline Plots bayesianos que representan la variación temporal del tamaño efectivo de la población (N_e) en escala logarítmica para los genotipos DENV1 (genotipo V) y DENV2 (americano, am; asiático-americano, aa; cosmopolita, c). El genotipo América-Asia de DENV-2 presentó dos linajes, el linaje I del 2001 al 2019, y el linaje II del 2009 en adelante (29).

Virus name	Serotype	Genotype	Accession ID	Collection date	Location	Host	Additional loc. Sampling str	Gender	Patient age	Patient status	Vaccination history	Last vaccination	Passage	Specimen	Additional host	AA Substitution	Sequence Length
hDenV1/Peru, DENV1	V	EPI_ISL_1947:	25/11/2021	South America: Human	Female	36	unknown	Original								(E_1114L,E_K2	1485
hDenV1/Peru, DENV1	V	EPI_ISL_1947:	24/11/2021	South America: Human	Male	50	unknown	Original								(E_1114L,E_K2	1485
hDenV1/Peru, DENV1	V	EPI_ISL_1947:	17/11/2021	South America: Human	Male	36	unknown	Original								(E_1114L,E_K2	1485
hDenV1/Peru, DENV1	V	EPI_ISL_1947:	19/11/2021	South America: Human	Male	9	unknown	Original								(E_1114L,E_K2	1485
hDenV1/Peru, DENV1	V	EPI_ISL_1947:	11/11/2021	South America: Human	Female	39	unknown	Original								(E_1114L,E_K2	1485
hDenV1/Peru, DENV1	V	EPI_ISL_1947:	5/11/2021	South America: Human	Male	45	unknown	Original								(E_1114L,E_K2	1485
hDenV1/Peru, DENV1	V	EPI_ISL_1947:	4/03/2022	South America: Human	Male	56	unknown	Original								(E_1114L,E_K2	1485
hDenV1/Peru, DENV1	V	EPI_ISL_1947:	5/03/2022	South America: Human	Female	39	unknown	Original								(E_1114L,E_K2	1485
hDenV1/Peru, DENV1	V	EPI_ISL_1947:	27/03/2022	South America: Human	Female	16	unknown	Original								(E_1114L,E_K2	1485
hDenV1/Peru, DENV1	V	EPI_ISL_1947:	25/02/2022	South America: Human	Female	11	unknown	Original								(E_1114L,E_K2	1485
hDenV1/Peru, DENV1	V	EPI_ISL_1947:	28/04/2022	South America: Human	Female	55	unknown	Original								(E_1114L,E_K2	1485
hDenV1/Peru, DENV1	V	EPI_ISL_1947:	20/03/2022	South America: Human	Female	32	unknown	Original								(E_1114L,E_K2	1485
hDenV1/Peru, DENV1	V	EPI_ISL_1947:	15/03/2022	South America: Human	Female	10	unknown	Original								(E_1114L,E_K2	1485
hDenV1/Peru, DENV1	V	EPI_ISL_1947:	26/04/2022	South America: Human	Female	26	unknown	Original								(E_1114L,E_K2	1485
hDenV1/Peru, DENV1	V	EPI_ISL_1947:	16/03/2022	South America: Human	Female	35	unknown	Original								(E_1114L,E_K2	1485
hDenV1/Peru, DENV1	V	EPI_ISL_1947:	11/02/2022	South America: Human	Female	10	unknown	Original								(E_1114L,E_K2	1485
hDenV1/Peru, DENV1	V	EPI_ISL_1947:	10/02/2022	South America: Human	Male	44	unknown	Original								(E_1114L,E_K2	1485
hDenV1/Peru, DENV1	V	EPI_ISL_1947:	9/02/2022	South America: Human	Female	28	unknown	Original								(E_1114L,E_K2	1485
hDenV1/Peru, DENV1	V	EPI_ISL_1947:	8/02/2022	South America: Human	Female	17	unknown	Original								(E_1114L,E_K2	1485
hDenV1/Peru, DENV1	V	EPI_ISL_1947:	26/03/2022	South America: Human	Female	35	unknown	Original								(E_1114L,E_K2	1485
hDenV1/Peru, DENV1	V	EPI_ISL_1947:	8/02/2022	South America: Human	Male	30	unknown	Original								(E_1114L,E_K2	1485
hDenV1/Peru, DENV1	V	EPI_ISL_1947:	7/02/2022	South America: Human	Male	19	unknown	Original								(E_1114L,E_K2	1485
hDenV1/Peru, DENV1	V	EPI_ISL_1947:	14/02/2022	South America: Human	Male	30	unknown	Original								(E_1114L,E_K2	1485
hDenV1/Peru, DENV1	V	EPI_ISL_1947:	13/02/2022	South America: Human	Female	23	unknown	Original								(E_1114L,E_K2	1485
hDenV1/Peru, DENV1	V	EPI_ISL_1947:	23/03/2022	South America: Human	Female	26	unknown	Original								(E_1114L,E_K2	1485
hDenV1/Peru, DENV1	V	EPI_ISL_1947:	21/03/2022	South America: Human	Female	23	unknown	Original								(E_1114L,E_K2	1485
hDenV1/Peru, DENV1	V	EPI_ISL_1947:	11/02/2022	South America: Human	Female	51	unknown	Original								(E_1114L,E_K2	1485
hDenV1/Peru, DENV1	V	EPI_ISL_1947:	2/05/2022	South America: Human	unknown	unknown	unknown	Original								(E_1114L,E_K2	1485
hDenV1/Peru, DENV1	V	EPI_ISL_1947:	15/01/2022	South America: Human	Male	17	unknown	Original								(E_1114L,E_K2	1485
hDenV2/Peru, DENV2	II-Cosmopolit:	EPI_ISL_1947:	30/11/2021	South America: Human	Male	57	unknown	Original								(E_71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit:	EPI_ISL_1947:	30/11/2021	South America: Human	Female	65	unknown	Original								(E_71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit:	EPI_ISL_1947:	9/11/2021	South America: Human	Female	39	unknown	Original								(E_71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit:	EPI_ISL_1947:	5/11/2021	South America: Human	Female	28	unknown	Original								(E_71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit:	EPI_ISL_1947:	28/11/2021	South America: Human	Male	13	unknown	Original								(E_71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit:	EPI_ISL_1947:	24/11/2021	South America: Human	Male	38	unknown	Original								(E_71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit:	EPI_ISL_1947:	19/11/2021	South America: Human	Female	18	unknown	Original								(E_71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit:	EPI_ISL_1947:	18/11/2021	South America: Human	Female	30	unknown	Original								(E_71A,E_V1	1485
hDenV2/Peru, DENV2	II-Cosmopolit:	EPI_ISL_1947:	6/11/2021	South America: Human	Female	15	unknown	Original								(E_71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit:	EPI_ISL_1947:	1/11/2021	South America: Human	Female	36	unknown	Original								(E_71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit:	EPI_ISL_1947:	11/11/2021	South America: Human	Female	18	unknown	Original								(E_71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit:	EPI_ISL_1947:	23/11/2021	South America: Human	Female	29	unknown	Original								(E_71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit:	EPI_ISL_1947:	5/11/2021	South America: Human	Male	13	unknown	Original								(E_71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit:	EPI_ISL_1947:	7/09/2021	South America: Human	Female	28	unknown	Original								(E_71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit:	EPI_ISL_1947:	2/07/2021	South America: Human	unknown	unknown	unknown	Original								(E_71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit:	EPI_ISL_1947:	23/07/2021	South America: Human	Female	54	unknown	Original								(E_71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit:	EPI_ISL_1947:	20/07/2021	South America: Human	Male	21	unknown	Original								(E_71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit:	EPI_ISL_1947:	18/05/2021	South America: Human	Male	13	unknown	Original								(E_71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit:	EPI_ISL_1947:	28/06/2021	South America: Human	Female	24	unknown	Original								(E_71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit:	EPI_ISL_1947:	27/04/2021	South America: Human	Male	45	unknown	Original								(E_F429L,E_E	1485
hDenV2/Peru, DENV2	II-Cosmopolit:	EPI_ISL_1947:	30/12/2021	South America: Human	Female	62	unknown	Original								(E_71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit:	EPI_ISL_1947:	30/12/2021	South America: Human	Female	33	unknown	Original								(E_71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit:	EPI_ISL_1947:	29/12/2021	South America: Human	Female	27	unknown	Original								(E_71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit:	EPI_ISL_1947:	15/11/2022	South America: Human	Male	18	unknown	Original								(E_71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit:	EPI_ISL_1947:	10/04/2022	South America: Human	Female	50	unknown	Original								(E_71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit:	EPI_ISL_1947:	23/02/2022	South America: Human	Female	28	unknown	Original								(E_71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit:	EPI_ISL_1947:	18/02/2022	South America: Human	Male	24	unknown	Original								(E_71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit:	EPI_ISL_1947:	20/03/2022	South America: Human	Female	32	unknown	Original								(E_71A,E_Q5	1485

hDenV2/Peru, DENV2	II-Cosmopolit: EPI_ISL_1947;	8/04/2022	South Americ: Human	Female	21	unknown	Original	(E_E71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit: EPI_ISL_1947;	11/04/2022	South Americ: Human	Male	29	unknown	Original	(E_E71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit: EPI_ISL_1947;	19/03/2022	South Americ: Human	Male	37	unknown	Original	(E_E71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit: EPI_ISL_1947;	19/03/2022	South Americ: Human	Male	19	unknown	Original	(E_E71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit: EPI_ISL_1947;	28/02/2022	South Americ: Human	Male	24	unknown	Original	(E_S255P,E_E	1485
hDenV2/Peru, DENV2	II-Cosmopolit: EPI_ISL_1947;	10/02/2022	South Americ: Human	Female	48	unknown	Original	(E_E71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit: EPI_ISL_1947;	8/02/2022	South Americ: Human	Male	13	unknown	Original	(E_E71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit: EPI_ISL_1947;	23/02/2022	South Americ: Human	Male	22	unknown	Original	(E_E71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit: EPI_ISL_1947;	21/03/2022	South Americ: Human	Male	34	unknown	Original	(E_F429L,E_E	1485
hDenV2/Peru, DENV2	II-Cosmopolit: EPI_ISL_1947;	9/02/2022	South Americ: Human	Female	35	unknown	Original	(E_E71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit: EPI_ISL_1947;	3/02/2022	South Americ: Human	Male	29	unknown	Original	(E_E71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit: EPI_ISL_1947;	8/02/2022	South Americ: Human	Male	28	unknown	Original	(E_E71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit: EPI_ISL_1947;	8/01/2022	South Americ: Human	Male	31	unknown	Original	(E_E71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit: EPI_ISL_1947;	1/01/2022	South Americ: Human	Male	11	unknown	Original	(E_E71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit: EPI_ISL_1947;	26/02/2022	South Americ: Human	Female	46	unknown	Original	(E_E71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit: EPI_ISL_1947;	24/02/2022	South Americ: Human	Female	23	unknown	Original	(E_E71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit: EPI_ISL_1947;	23/02/2022	South Americ: Human	Male	48	unknown	Original	(E_F119L,E_E	1485
hDenV2/Peru, DENV2	II-Cosmopolit: EPI_ISL_1947;	3/02/2022	South Americ: Human	Female	20	unknown	Original	(E_E71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit: EPI_ISL_1947;	7/03/2022	South Americ: Human	Male	74	unknown	Original	(E_E71A,E_V1	1485
hDenV2/Peru, DENV2	II-Cosmopolit: EPI_ISL_1947;	26/02/2022	South Americ: Human	Male	21	unknown	Original	(E_E71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit: EPI_ISL_1947;	7/03/2022	South Americ: Human	Female	53	unknown	Original	(E_E71A,E_Q5	1485
hDenV2/Peru, DENV2	II-Cosmopolit: EPI_ISL_1947;	4/03/2022	South Americ: Human	Female	56	unknown	Original	(E_E71A,E_Q5	1485