



**Figure S1.** Map of Lao PDR. Provinces with DENV-4 reported cases between 2012 and 2019 are in yellow. Triangles indicate the localization of DENV-4 fatal cases.

**Table S1.** Geographic origins of the DENV samples serotyped by the Institut Pasteur du Laos arbovirus surveillance system.

Province	2012	2013	2014	2015	2016	2017	2018	2019	Total
Vientiane capital	105	466	8	65	286	644	290	869	2,733
Attapeu	0	0	0	25	6	69	111	62	273
Bokeo	0	2	0	0	0	0	0	0	2
Bolikhamxay	0	3	0	0	0	0	2	9	14
Champassak	0	1	0	0	0	0	3	41	45
Huaphanh	0	1	0	0	0	0	0	0	1
Khammuane	0	1	0	0	0	3	0	1	5
Luangprabang	1	0	0	0	0	0	2	15	18
Oudomexay	1	0	0	0	0	0	0	1	2
Saravane	0	0	0	0	42	150	29	102	323
Savannakhet	0	0	0	0	0	0	19	25	44
Vientiane province	8	38	0	0	0	4	9	37	96
Xayaboury	0	1	0	0	0	0	1	2	4
Xaysomboun	0	0	0	0	0	0	0	1	1
Xiengkhuang	0	0	0	0	0	1	0	12	13
Unknown	16	23	3	0	0	0	0	0	42
<b>Total</b>	<b>131</b>	<b>536</b>	<b>11</b>	<b>90</b>	<b>334</b>	<b>871</b>	<b>466</b>	<b>1,177</b>	<b>3,616</b>