

**Supplementary Table.:YFV strains isolated in six Latin American countries and in the USA over 40 years**

Strain ID	Source Isolation	Specie	Year of isolation	Country	YFV genotype	Genbank
BEAN131	Monkey	Sentinel	1955	Brazil	SA-I	MW158338
BeAN23536	Monkey	<i>Cebus sp.</i>	1960	Brazil	SA-I	MW158339
BeAN142027	Monkey	<i>Saguinus midas</i>	1968	Brazil	SA-I	MW158340
BeAR233436	Mosquito	<i>Haemagogus sp.</i>	1973	Brazil	SA-I	MW158343
BeAR437159	Mosquito	<i>Haemagogus janthinomys</i>	1985	Brazil	SA-I	MW158344
BeAN510268	Monkey	<i>Alouatta sp.</i>	1991	Brazil	SA-I	MW158341
BeH844801	Human	<i>Homo sapiens</i>	2017	Brazil	SA-I	MF370531
BeH843297	Human	<i>Homo sapiens</i>	2017	Brazil	SA-I	MF370532
BeH843301	Human	<i>Homo sapiens</i>	2017	Brazil	SA-I	MF370533
OBS 5026	Human	<i>Homo sapiens</i>	1997	Ecuador	17DD	MW158362
OBS 2240	Human	<i>Homo sapiens</i>	1995	Peru	SA-2	MW158361
IQT 5591	Human	<i>Homo sapiens</i>	1998	Peru	SA-2	MW158359
IQD 8393	Human	<i>Homo sapiens</i>	2004	Peru	17DD	MW158358
MIS 1034	Human	<i>Homo sapiens</i>	2011	Peru	17DD	MW158360
CAREC889920	Mosquito	<i>Haemagogus janthinomys</i>	1988	Trinidad	SA-I	MW158345
CAREC890692	Mosquito	<i>Sabethes chloropterus</i>	1989	Trinidad	SA-I	MW158346
CAREC891954	Monkey	<i>Alouatta sp.</i>	1989	Trinidad	SA-I	MW158347
CAREC9515207	Mosquito	<i>Haemagogus sp</i>	1995	Trinidad	SA-I	MW158348
TR 7856	Mosquito	<i>Mansonia titillans</i>	2008	Trinidad	SA-I	MW158365
TR 7796	Mosquito	<i>Coquillettidia venezuelensis</i>	2009	Trinidad	SA-I	MW158364
TR 8183	Mosquito	<i>Culex (MeL) spissipes</i>	2009	Trinidad	SA-I	MW158366
TR 8194	Mosquito	<i>Coquillettidia venezuelensis</i>	2009	Trinidad	SA-I	MW158367
P 16065	Human	<i>Homo sapiens</i>	1966	USA	17DD	MW158363
INHRR 1A-04	Monkey	<i>Alouatta seniculus</i>	2004	Venezuela	SA-I	MW158349
INHRR 2A-04	Monkey	<i>Alouatta seniculus</i>	2004	Venezuela	SA-I	MW158350
INHRR 3A-05	Monkey	<i>Alouatta seniculus</i>	2005	Venezuela	SA-I	MW158351
INHRR 4A-05	Monkey	<i>Alouatta seniculus</i>	2005	Venezuela	SA-I	MW158352
INHRR 5A-05	Human	<i>Homo sapiens</i>	2005	Venezuela	SA-I	MW158353
INHRR 6A-05	Human	<i>Homo sapiens</i>	2005	Venezuela	SA-I	MW158354
INHRR 8A-06	Monkey	<i>Alouatta seniculus</i>	2006	Venezuela	SA-I	MW158355
INHRR 10A-10	Monkey	<i>Alouatta seniculus</i>	2010	Venezuela	SA-I	MW158357

Legend: SA-I = Southamerica genotype I; SA-II = Southamerica genotype II