

Table S1: Accession numbers of 709 non-Asian NS5a sequences included in the analysis, according GT-3 subtype and geographic origin. The isolates for which full genome sequence was available were in bold. The alphanumeric code for each 58 full genomes analyzed was shown in branches.

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FJ931542	3a	AUSTRALIA
FJ931543	3a	AUSTRALIA
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JN689876	3a	BRAZIL
JN689877	3a	BRAZIL
JN689878	3a	BRAZIL
JN689879	3a	BRAZIL
JN689880	3a	BRAZIL
JN689881	3a	BRAZIL
JN689882	3a	BRAZIL
JN689883	3a	BRAZIL
JN689884	3a	BRAZIL
JN689885	3a	BRAZIL
JN689886	3a	BRAZIL
JN689887	3a	BRAZIL
JN689888	3a	BRAZIL
JN689889	3a	BRAZIL
JN689890	3a	BRAZIL
JN689891	3a	BRAZIL
JN689892	3a	BRAZIL
JN689893	3a	BRAZIL
JN689894	3a	BRAZIL
JN689895	3a	BRAZIL
JN689896	3a	BRAZIL
JN689897	3a	BRAZIL
JN689898	3a	BRAZIL
JN689899	3a	BRAZIL
JN689900	3a	BRAZIL
JN689901	3a	BRAZIL
JN689902	3a	BRAZIL
JN689903	3a	BRAZIL
JN689904	3a	BRAZIL

JN689905	3a	BRAZIL
JN689906	3a	BRAZIL
JN689907	3a	BRAZIL
JN689908	3a	BRAZIL
JN689909	3a	BRAZIL
JN689910	3a	BRAZIL
JN689911	3a	BRAZIL
JN689912	3a	BRAZIL
JN689913	3a	BRAZIL
JN689914	3a	BRAZIL
JN689915	3a	BRAZIL
JN689916	3a	BRAZIL
JN689917	3a	BRAZIL
JN689918	3a	BRAZIL
JN689919	3a	BRAZIL
JN689920	3a	BRAZIL
JN689921	3a	BRAZIL
JN689922	3a	BRAZIL
JN689923	3a	BRAZIL
JN689924	3a	BRAZIL
JN689925	3a	BRAZIL
JN689926	3a	BRAZIL
JN689927	3a	BRAZIL
JN689928	3a	BRAZIL
JN689929	3a	BRAZIL
JN689930	3a	BRAZIL
JF735123	3g	CANADA (CA1)
JF735121	3h	CANADA (CA2)
JF735125	3i	CANADA
JX227969	3i	CANADA (CA3)
JF735122	3k	CANADA (CA4)
AF320787	3a	EUROPE
AF320788	3a	EUROPE
AF320789	3a	EUROPE
AF320790	3a	EUROPE
AF320791	3a	EUROPE
AF320792	3a	EUROPE
AF320793	3a	EUROPE
AF320794	3a	EUROPE
AF320795	3a	EUROPE
AF320796	3a	EUROPE
AF320797	3a	EUROPE
AF320798	3a	EUROPE
AF320799	3a	EUROPE
AF320800	3a	EUROPE
AF320801	3a	EUROPE

AF320802	3a	EUROPE
AF320803	3a	EUROPE
AF320804	3a	EUROPE
AF320805	3a	EUROPE
AF320806	3a	EUROPE
AF320807	3a	EUROPE
AF320808	3a	EUROPE
AF320809	3a	EUROPE
AF320810	3a	EUROPE
AF320811	3a	EUROPE
AF320812	3a	EUROPE
AF320813	3a	EUROPE
X76918	3a	EUROPE (EU29)
GU814263	3a	EUROPE (EU30)
DQ437509	3a	EUROPE (EU31)
FJ931569	3a	EUROPE
FJ931571	3a	EUROPE
FJ931572	3a	EUROPE
FJ931574	3a	EUROPE
FJ931575	3a	EUROPE
FJ931576	3a	EUROPE
FJ931577	3a	EUROPE
FJ931578	3a	EUROPE
FJ931579	3a	EUROPE
FJ931585	3a	EUROPE
FJ931538	3a	EUROPE
FJ931539	3a	EUROPE
FJ931540	3a	EUROPE
FJ931587	3a	EUROPE
FJ931588	3a	EUROPE
FJ931590	3a	EUROPE
FJ931591	3a	EUROPE
FJ931592	3a	EUROPE
FJ931595	3a	EUROPE
FJ931596	3a	EUROPE
FJ931597	3a	EUROPE
FJ931598	3a	EUROPE
FJ931599	3a	EUROPE
FJ931600	3a	EUROPE
FJ931601	3a	EUROPE
FJ931603	3a	EUROPE
FJ931604	3a	EUROPE
FJ931605	3a	EUROPE
FJ931606	3a	EUROPE
FJ931607	3a	EUROPE
FJ931608	3a	EUROPE

FJ931609	3a	EUROPE
GQ356200	3a	EUROPE (EU32)
GQ356201	3a	EUROPE (EU33)
GQ356202	3a	EUROPE (EU34)
GQ356203	3a	EUROPE (EU35)
GQ356204	3a	EUROPE (EU36)
GQ356205	3a	EUROPE (EU37)
GQ356206	3a	EUROPE (EU38)
GQ356207	3a	EUROPE (EU39)
GQ356208	3a	EUROPE (EU40)
GQ356209	3a	EUROPE (EU41)
GQ356210	3a	EUROPE (EU42)
GQ356211	3a	EUROPE (EU43)
GQ356212	3a	EUROPE (EU44)
GQ356213	3a	EUROPE (EU45)
GQ356214	3a	EUROPE (EU46)
GQ356215	3a	EUROPE (EU47)
GQ356216	3a	EUROPE (EU48)
GQ356217	3a	EUROPE (EU49)
JF509175	3a	EUROPE (EU50)
JF509176	3a	EUROPE (EU51)
JF509177	3a	EUROPE (EU52)
JX227954	3g	EUROPE (EU53)
JX227955	3i	EUROPE (EU54)
JX227956	3i	EUROPE (EU55)
AY956467	3a	UNITED STATES (US56)
DQ430819	3a	UNITED STATES (US57)
DQ430820	3a	UNITED STATES (US58)

Table S2: Accession numbers of 80 Asian NS5a sequences included in the analysis, according GT-3 subtype and geographic origin. The isolates for which full genome sequence was available were in bold. The alphanumeric code for each 58 full genomes analyzed was shown in branches.

Accession number	GT-3 subtype	Country
HQ639941	3a	CHINA (CN5)
HQ639942	3a	CHINA (CN6)
HQ912953	3a	CHINA (CN7)
KC844041	3a	CHINA (CN8)
JQ065709	3b	CHINA (CN9)
KC441467	3b	CHINA
KC441468	3b	CHINA
KC441469	3b	CHINA
KC441470	3b	CHINA
KC441471	3b	CHINA
KC441472	3b	CHINA
KC441473	3b	CHINA
KC441474	3b	CHINA
KC441475	3b	CHINA
KC441476	3b	CHINA
KC844044	3b	CHINA (CN10)
GQ275355	3a	INDIA (IN11)
HQ738645	3a	INDIA (IN12)
JN714194	3a	INDIA (IN13)
JQ717254	3a	INDIA (IN14)
JQ717255	3a	INDIA (IN15)
JQ717256	3a	INDIA (IN16)
JQ717257	3a	INDIA (IN17)
JQ717258	3a	INDIA (IN18)
JQ717259	3a	INDIA (IN19)
JQ717260	3a	INDIA (IN20)
KF035123	3a	INDIA (IN21)
KF035124	3a	INDIA (IN22)
KF035125	3a	INDIA (IN23)
KF035126	3a	INDIA (IN24)
KF035127	3a	INDIA (IN25)
FJ407092	3i	INDIA (IN26)
D63821	3k	INDONESIA (ID27)
D49374	3b	JAPAN (JP28)
GQ300882	3a	PAKISTAN

GU294484	3a	PAKISTAN
KC415734	3a	PAKISTAN
KC415735	3a	PAKISTAN
KC415736	3a	PAKISTAN
KC415737	3a	PAKISTAN
KC415738	3a	PAKISTAN
KC415739	3a	PAKISTAN
KC415741	3a	PAKISTAN
KC415742	3a	PAKISTAN
KC415743	3a	PAKISTAN
KC415744	3a	PAKISTAN
KC415745	3a	PAKISTAN
KC415746	3a	PAKISTAN
KC415747	3a	PAKISTAN
KC415748	3a	PAKISTAN
KC415749	3a	PAKISTAN
KC415750	3a	PAKISTAN
KC415751	3a	PAKISTAN
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KC415753	3a	PAKISTAN
KC415754	3a	PAKISTAN
KC415755	3a	PAKISTAN
KC415756	3a	PAKISTAN
KC415757	3a	PAKISTAN
HM042064	3a	THAILAND
HM042065	3a	THAILAND
HM042066	3a	THAILAND
HM042067	3a	THAILAND
HM042068	3a	THAILAND
HM042069	3a	THAILAND
HM042070	3a	THAILAND
HM042071	3a	THAILAND
HM042072	3a	THAILAND
HM042073	3a	THAILAND
HM042074	3a	THAILAND
HM042075	3a	THAILAND
HM042076	3a	THAILAND
HM042077	3a	THAILAND
HM042078	3a	THAILAND
HM042079	3a	THAILAND
HM042080	3a	THAILAND
HM042081	3a	THAILAND
HM042082	3b	THAILAND
HM042083	3b	THAILAND
HM042084	3b	THAILAND