

# Functional RNA Structures in Mosquito-Borne Flaviviruses

Michael T. Wolfinger, Roman Ochsenreiter, Ivo L. Hofacker

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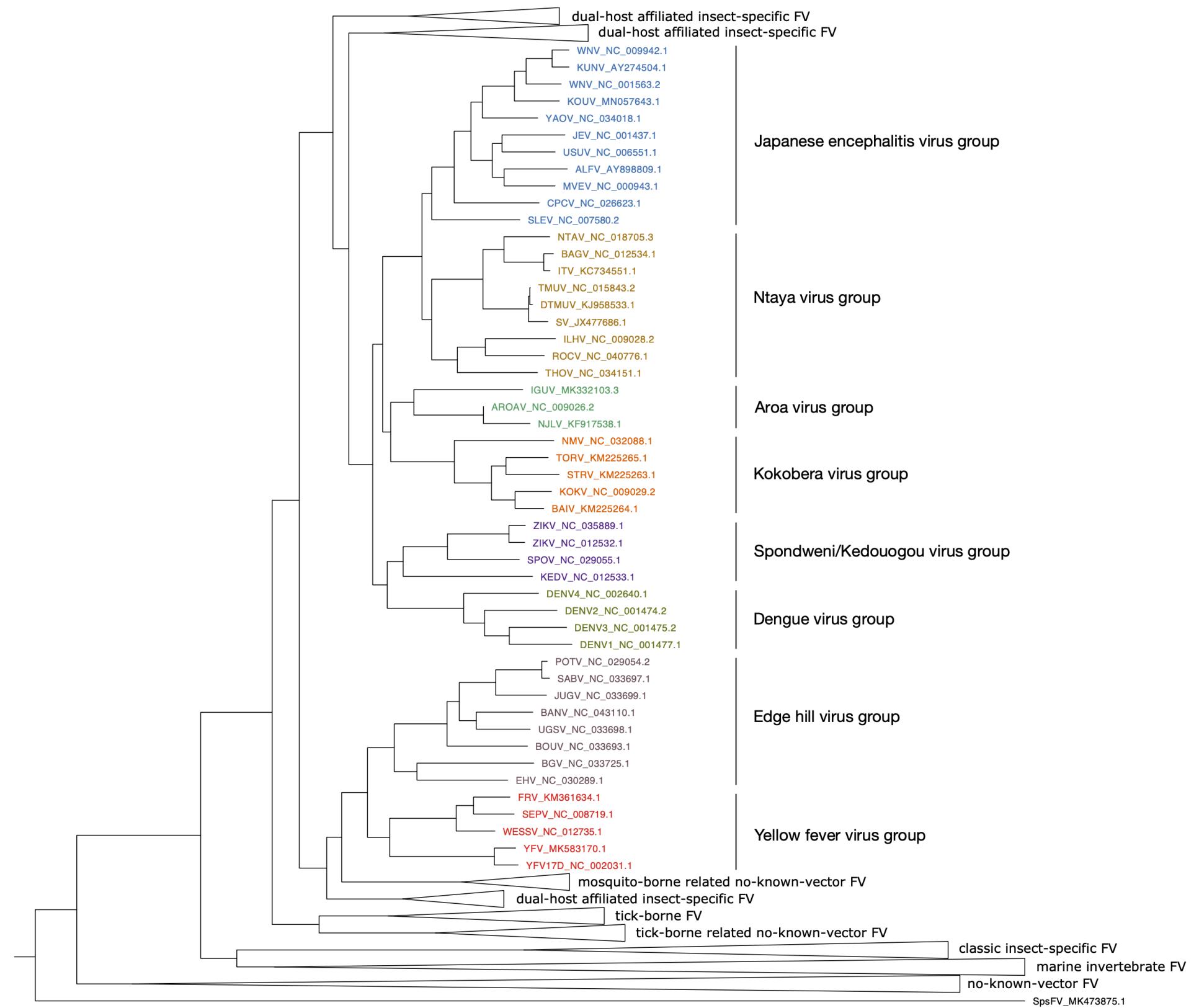
In *Virus Bioinformatics*; Edited by Dmitrij Frishman and Manja Marz; pp65–100

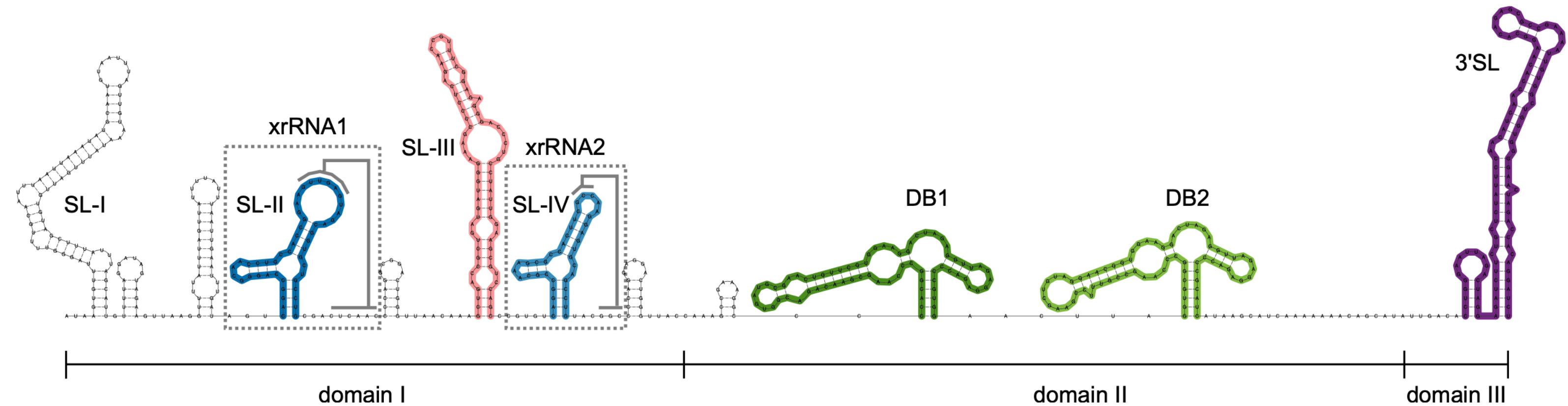
Chapman and Hall/CRC Press (2021)

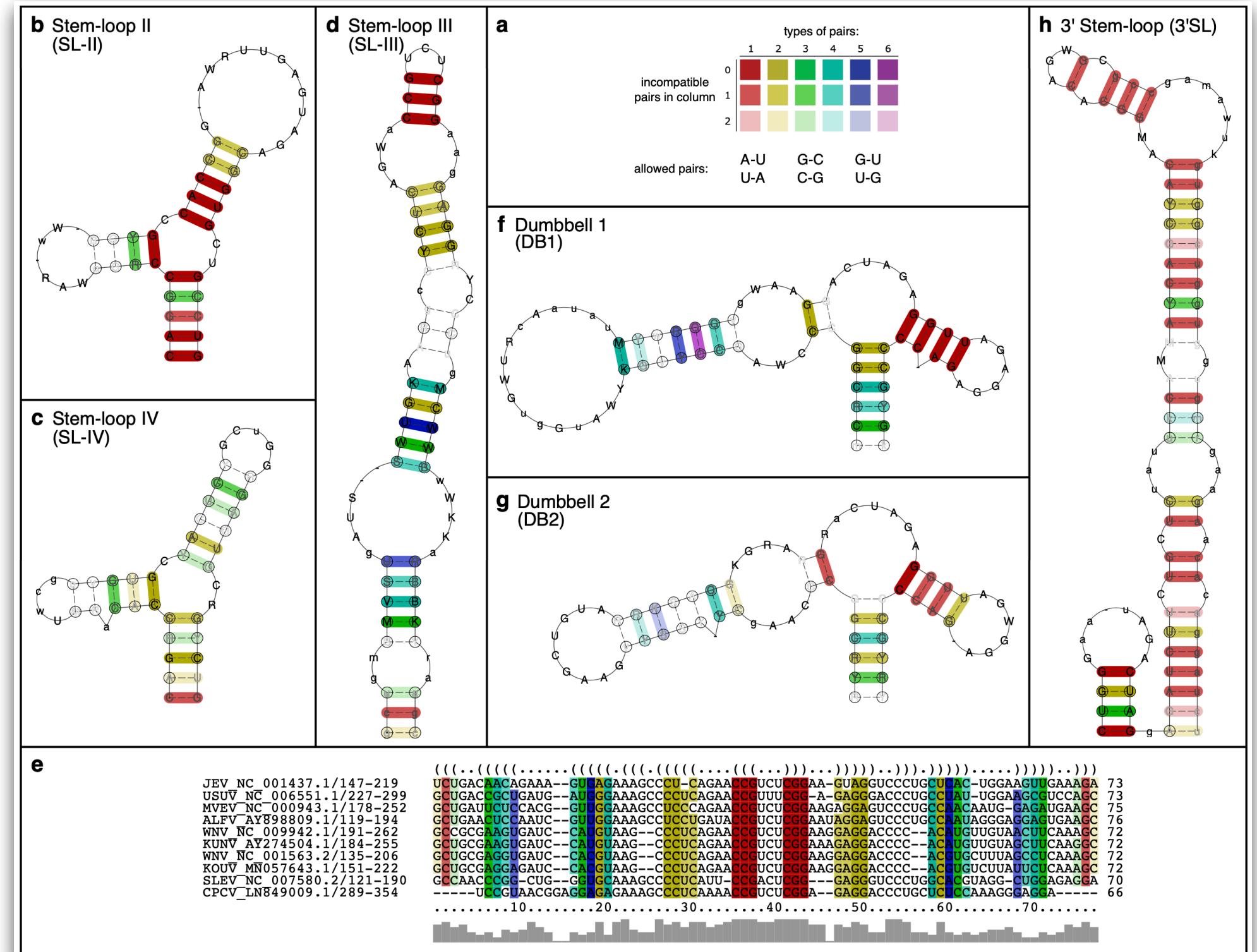
doi:10.1201/9781003097679-5

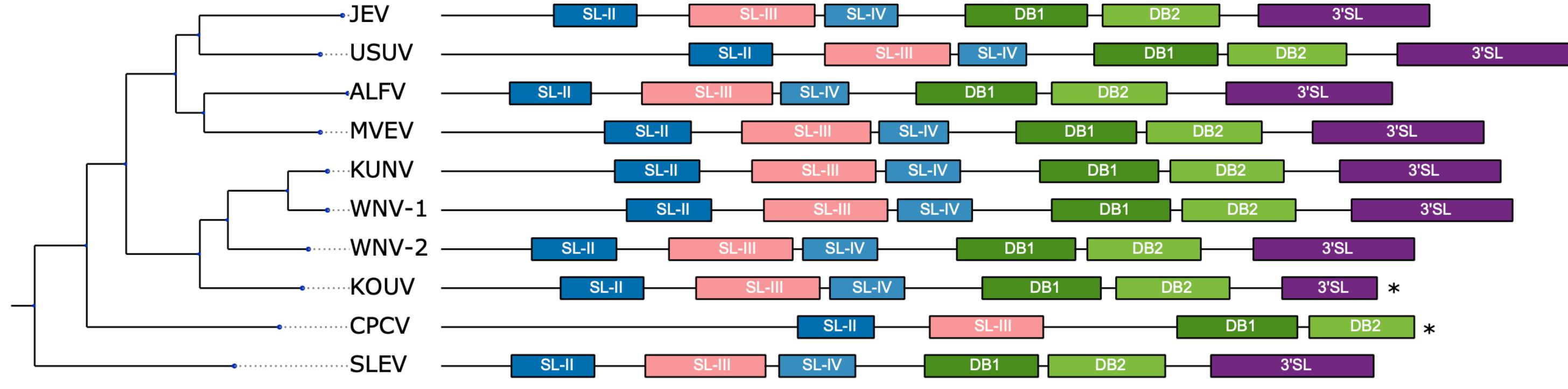
Paywall-free preprint:

<https://michaelwolfinger.com/files/papers/Wolfinger-2021.pdf>

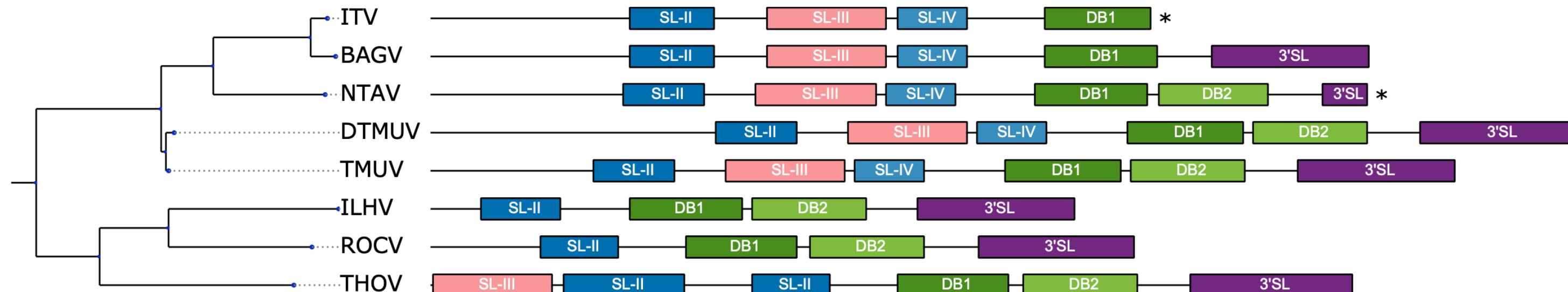




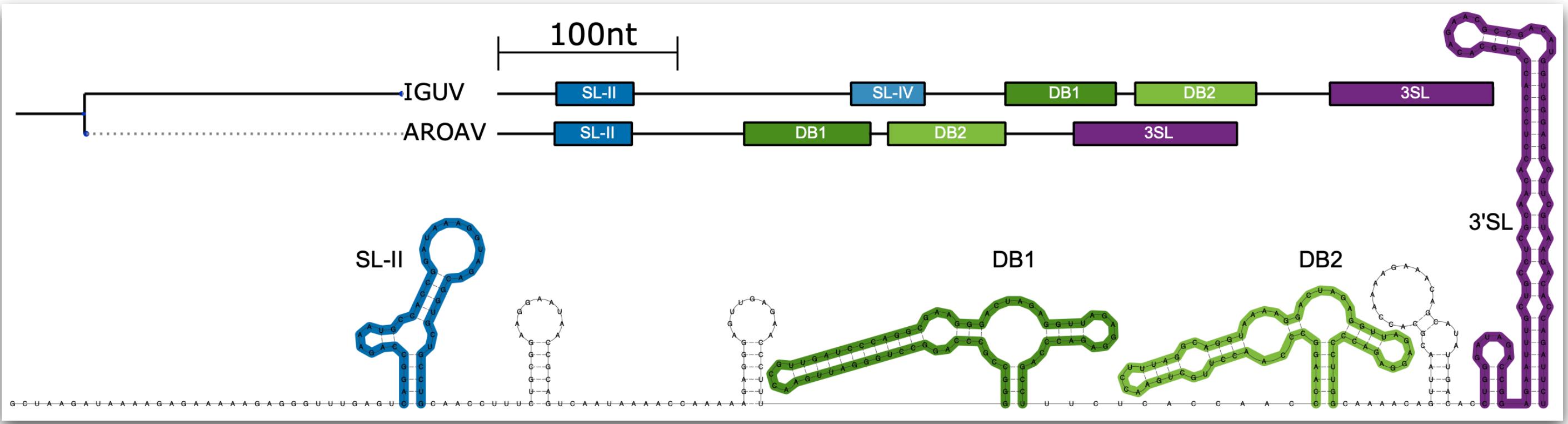


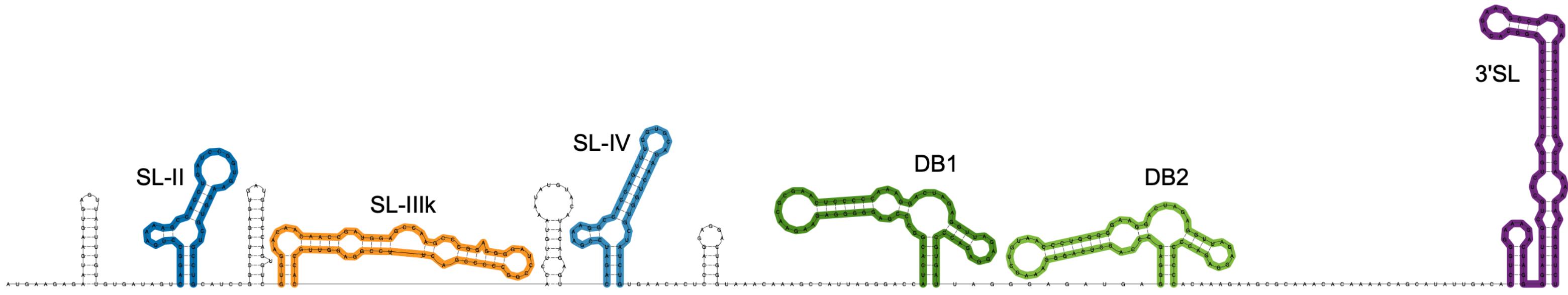
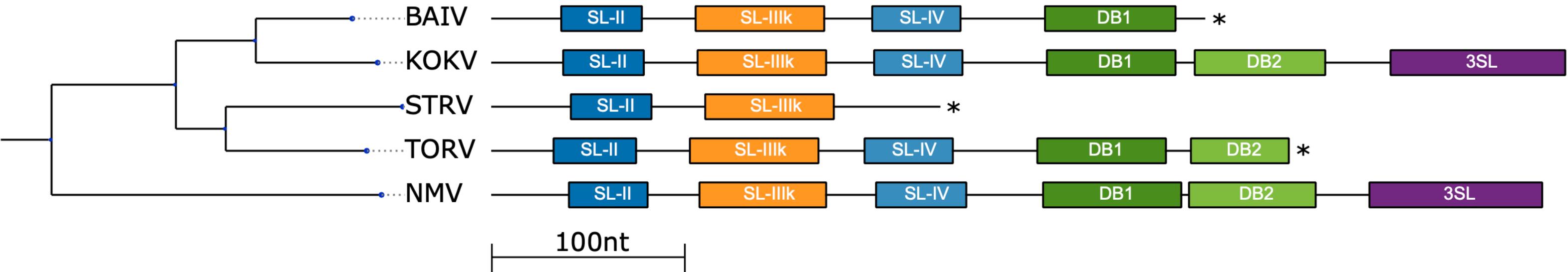


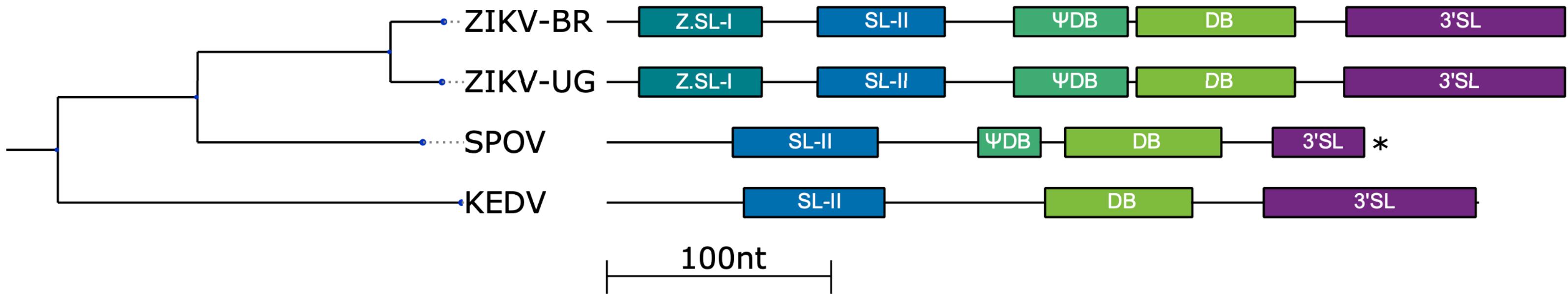
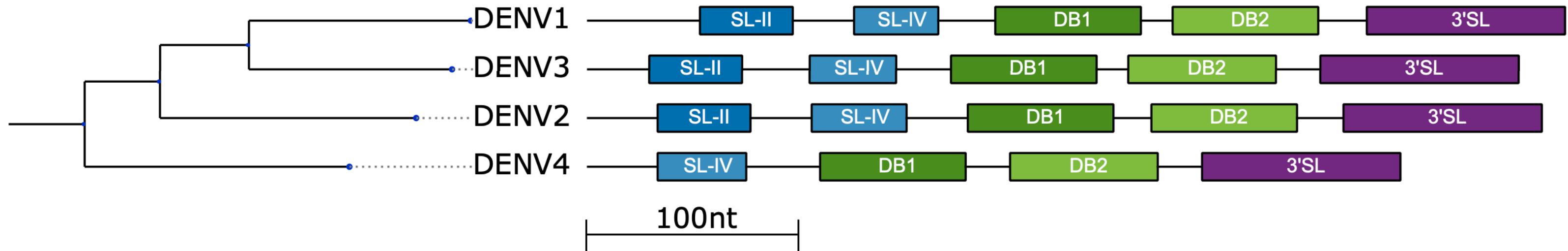
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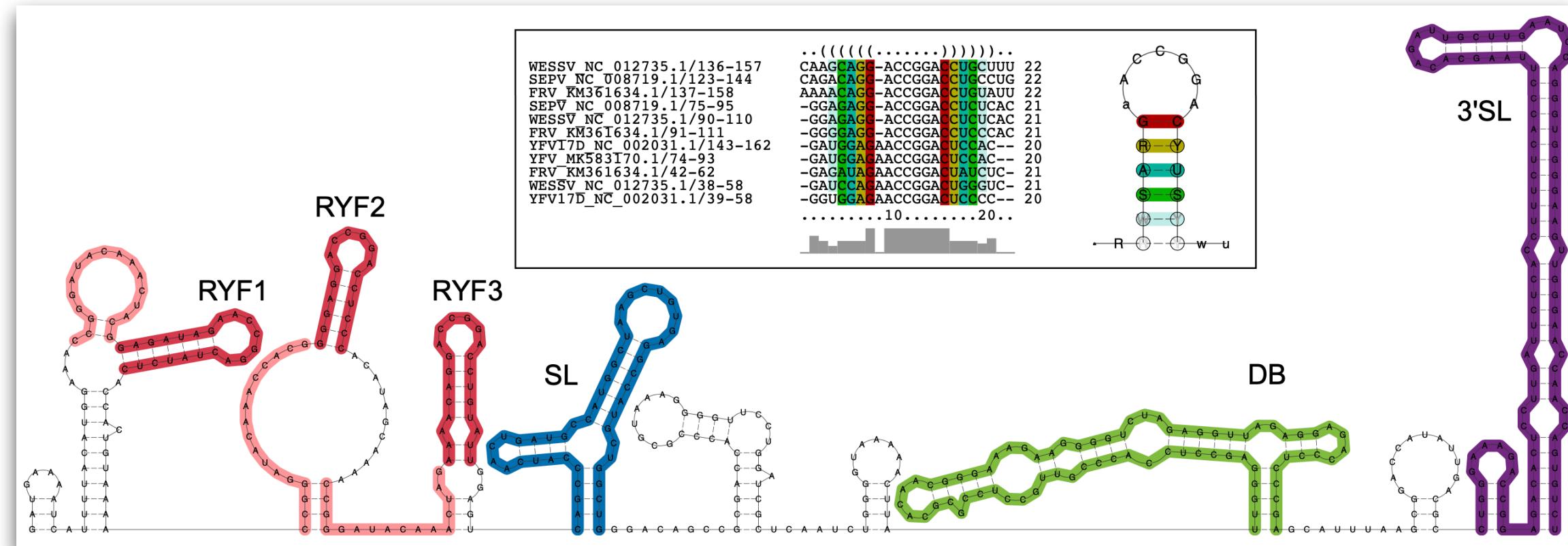
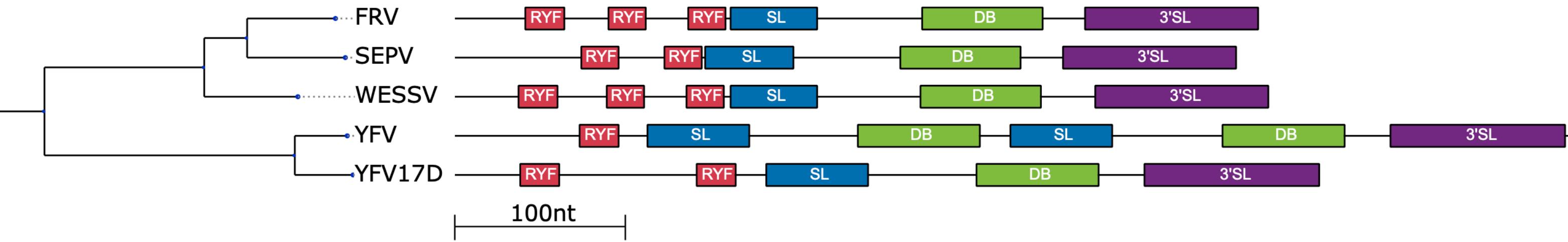


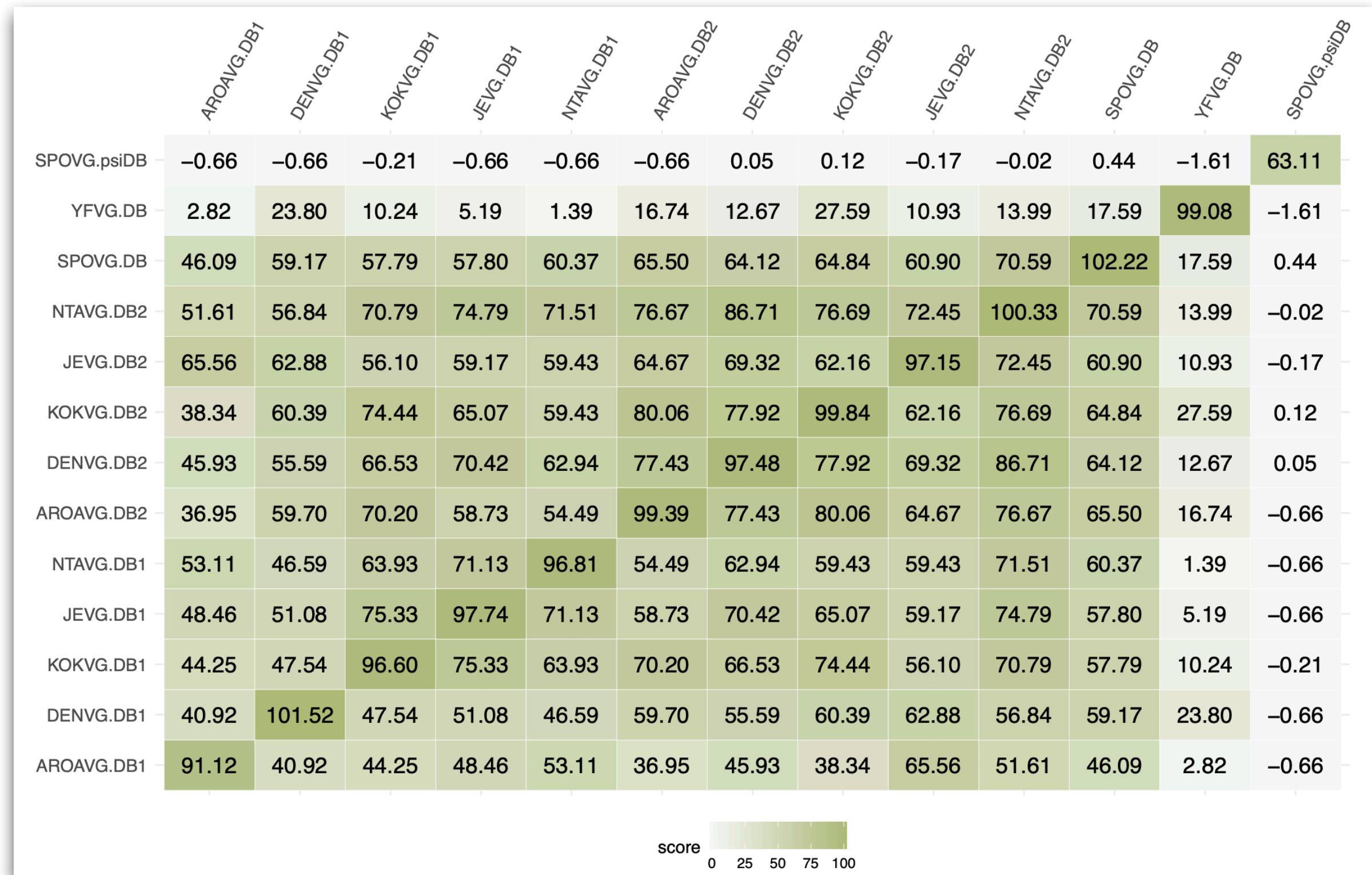
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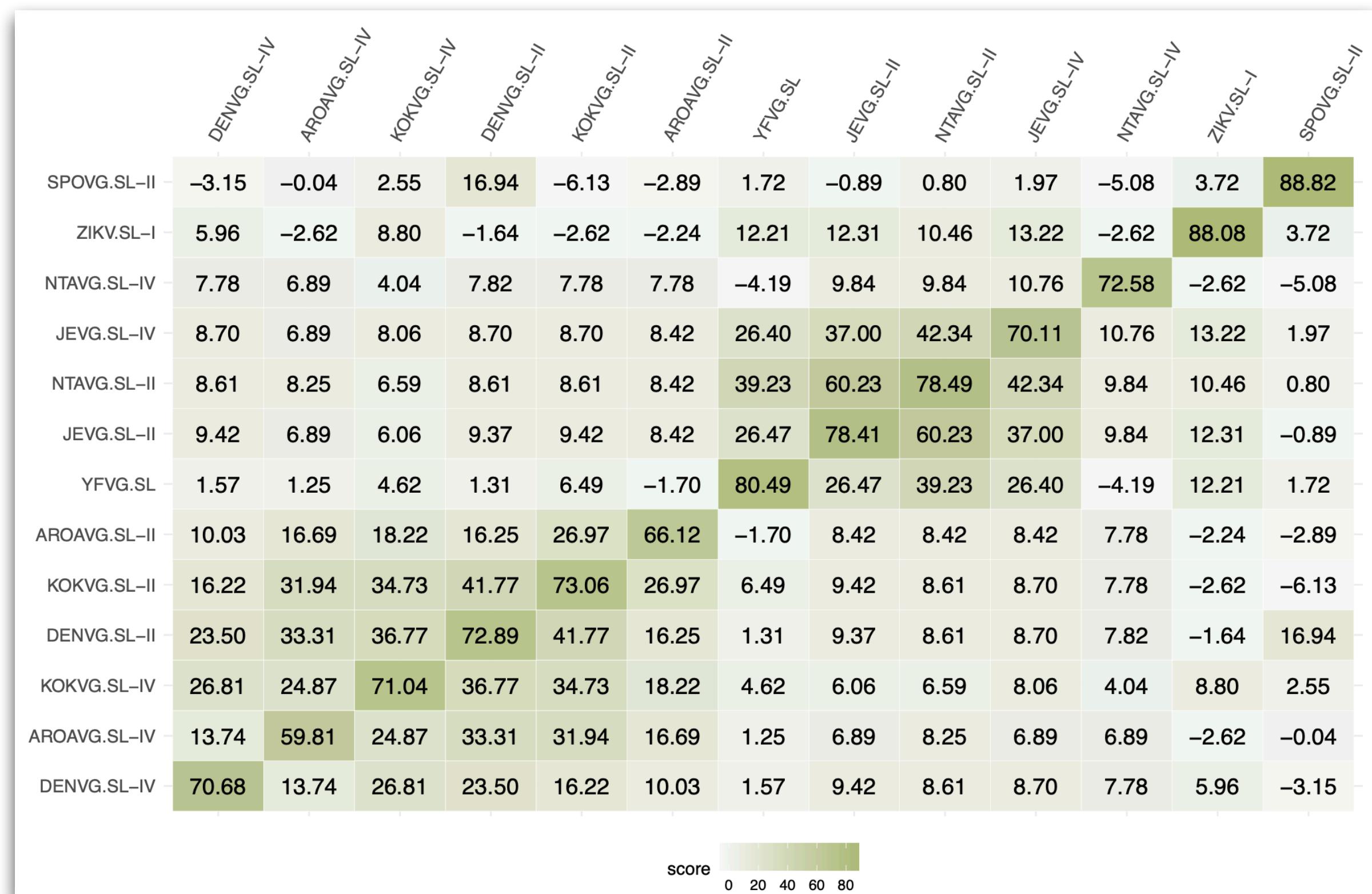












Accession number <sup>†</sup>	Acronym	Scientific name	3'UTR length (nt)	Isolates
AY898809.1	ALFV	Alfuy virus	560	1
NC_009026.2	AROAV	Aroa virus	421	1
NC_012534.1	BAGV	Bagaza virus	566	19
KM225264.1	BAIV	Bainyik virus	371	1
NC_043110.1	BANV	Banzi virus	NA	NA
NC_033725.1	BGV	Bamaga virus	NA	NA
NC_033693.1	BOUV	Bouboui virus	NA	NA
LN849009.1	CPCV	Cacipacore virus	573	1
NC_001477.1	DENV1	Dengue virus 1	462	2210
NC_001474.2	DENV2	Dengue virus 2	451	1631
NC_001475.2	DENV3	Dengue virus 3	440	1028
NC_002640.1	DENV4	Dengue virus 4	384	260
KJ958533.1	DTMUV	Duck Tembusu virus	692	19
NC_030289.1	EHV	Edge Hill virus	NA	NA
KM361634.1	FRV	Fitzroy River virus	472	1
AY632538.4	IGUV	Iguape virus	567	5
NC_009028.2	ILHV	Ilheus virus	388	3
KC734551.1	ITV	Israel turkey meningoencephalomyelitis virus	434	5
NC_001437.1	JEV	Japanese encephalitis virus	582	289
NC_033699.1	JUGV	Jugra virus	NA	NA
NC_012533.1	KEDV	Kedougou virus	390	2
NC_009029.2	KOKV	Kokobera virus	558	2
MN057643.1	KOUV	Koutango virus	551	1
AY274504.1	KUNV	Kunjin virus	624	35
NC_000943.1	MVEV	Murray Valley encephalitis virus	614	18
KF917538.1	NJLV	Naranjal virus	NA	NA
NC_032088.1	NMV	New Mapoon virus	546	2
NC_018705.3	NTAV	Ntaya virus	565	2
NC_029054.2	POTV	Potiskum virus	NA	NA
NC_040776.1	ROCV	Rocio virus	424	3
NC_033697.1	SABV	Saboya virus	NA	NA
NC_008719.1	SEPV	Sepik virus	459	2
NC_007580.2	SLEV	Saint Louis encephalitis virus	549	44
SA-AR <sup>‡</sup>	SPOV	Spondweni virus	338	1
KM225263.1	STRV	Stratford virus	233	1
JX477686.1	SV	Sitiawan virus	NA	NA
NC_034151.1	THOV	T'Ho virus	556	2
NC_015843.2	TMUV	Tembusu virus	618	74
KM225265.1	TORV	Torres virus	414	1
NC_033698.1	UGSV	Uganda S virus	NA	NA
NC_006551.1	USUV	Usutu virus	665	287
NC_012735.1	WESSV	Wesselsbron virus	478	7
NC_009942.1	WNV	West Nile virus (lineage 1)	631	1920*
NC_001563.2	WNV	West Nile virus (lineage 2)	573	1920*
NC_034018.1	YAOV	Yaounde virus	NA	NA
MK583170.1	YFV	Yellow fever virus	657	196
NC_002031.1	YFV17D	Yellow fever virus 17D	508	23
NC_035889.1	ZIKV	Zika virus (Asian / American lineage)	429	801*
NC_012532.1	ZIKV	Zika virus (African lineage)	428	801*