

Functional RNA Structures in Mosquito-Borne Flaviviruses

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

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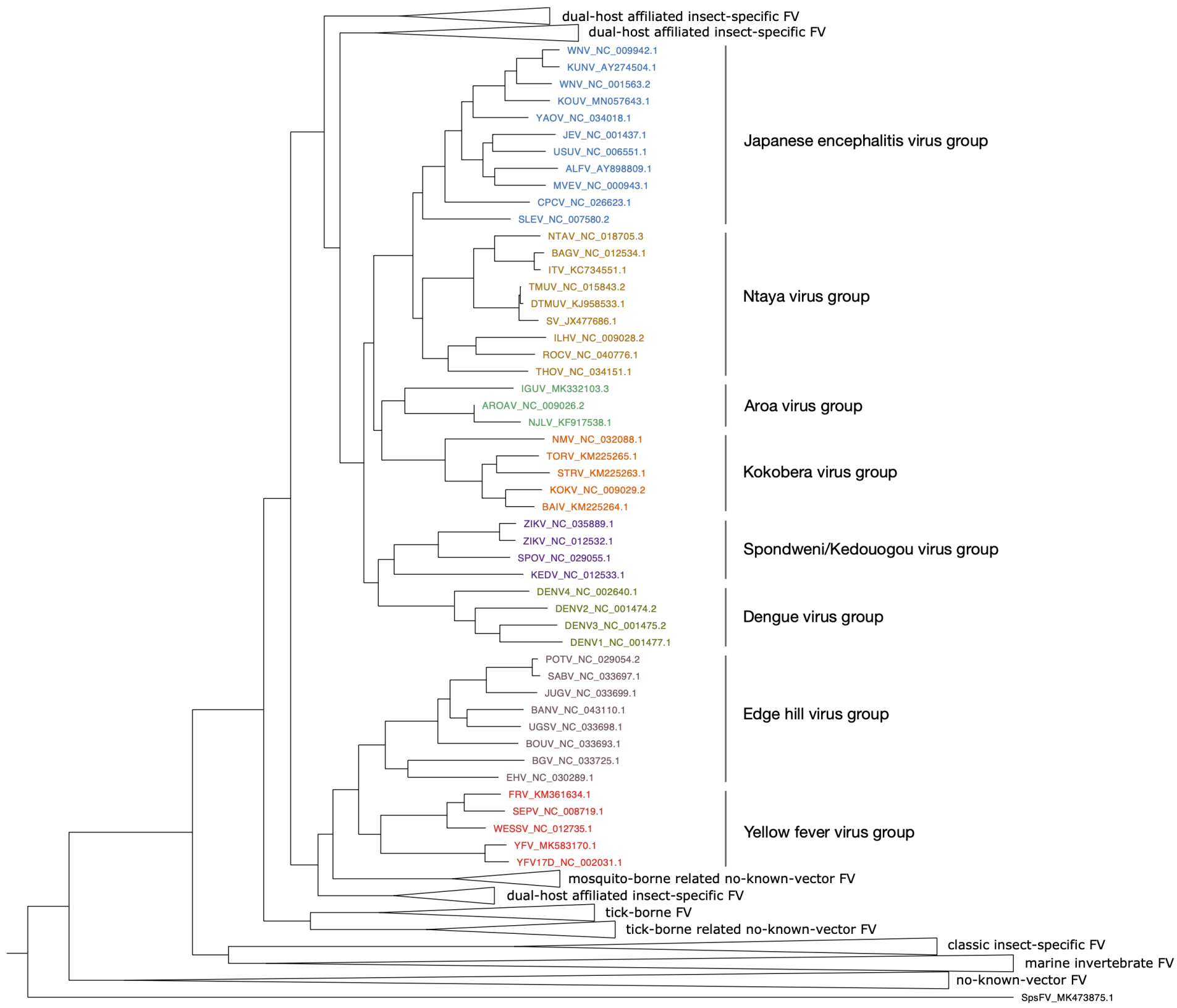
In *Virus Bioinformatics*; Edited by Dmitrij Frishman and Manja Marz; pp65–100

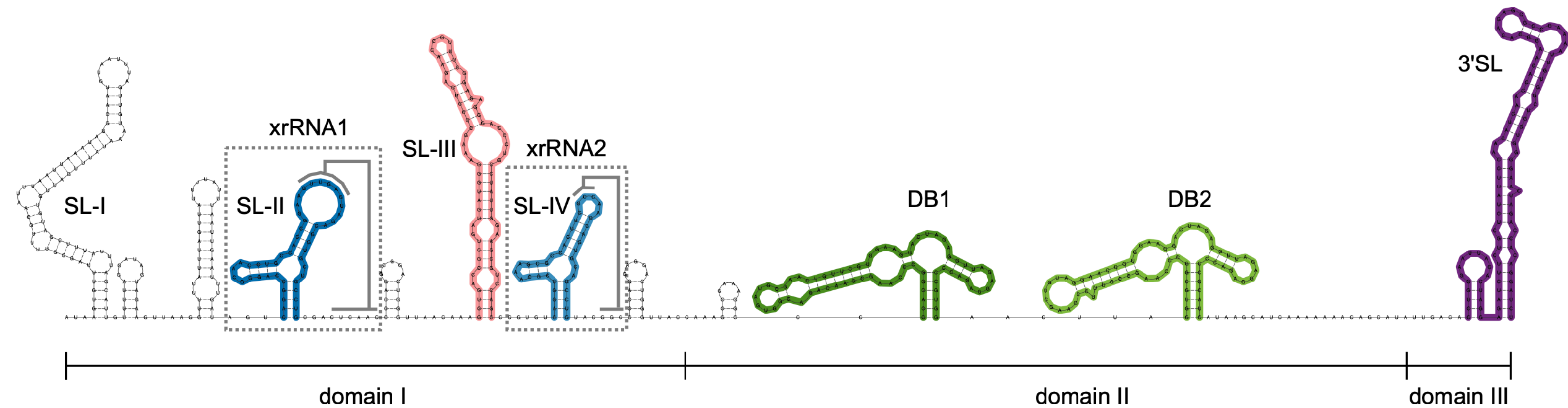
Chapman and Hall/CRC Press (2021)

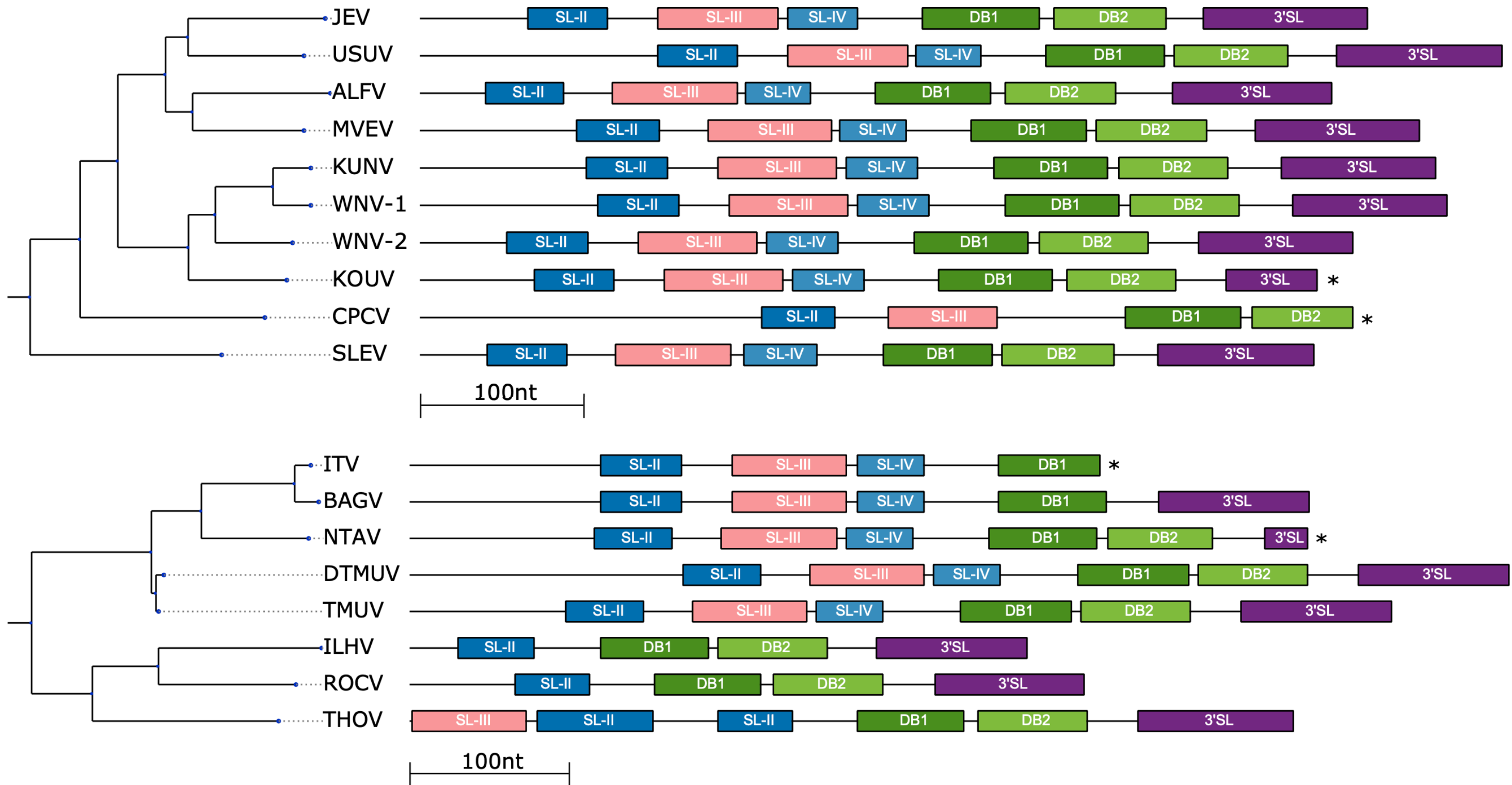
doi:10.1201/9781003097679-5

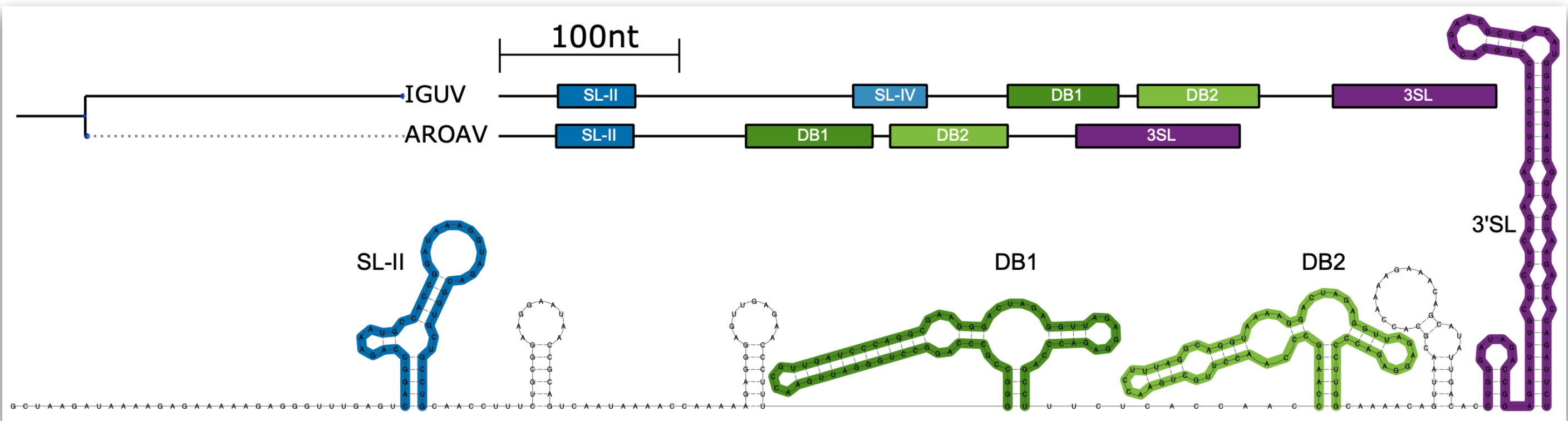
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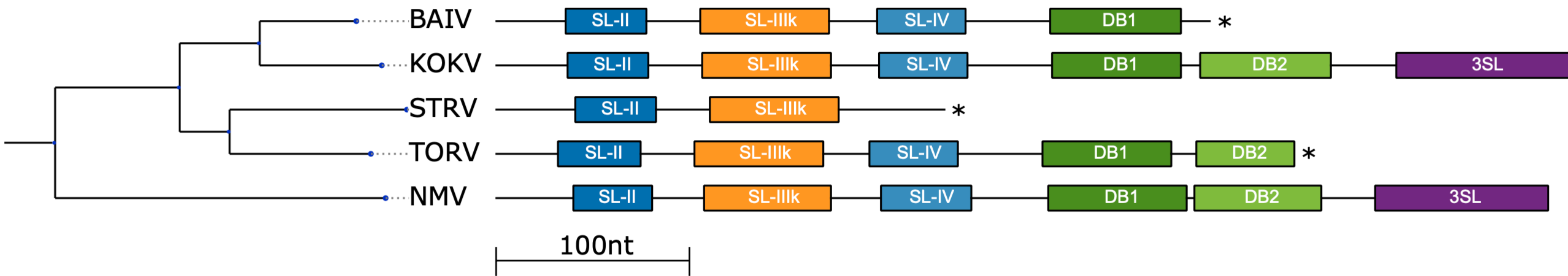
<https://michaelwolfinger.com/files/papers/Wolfinger-2021.pdf>

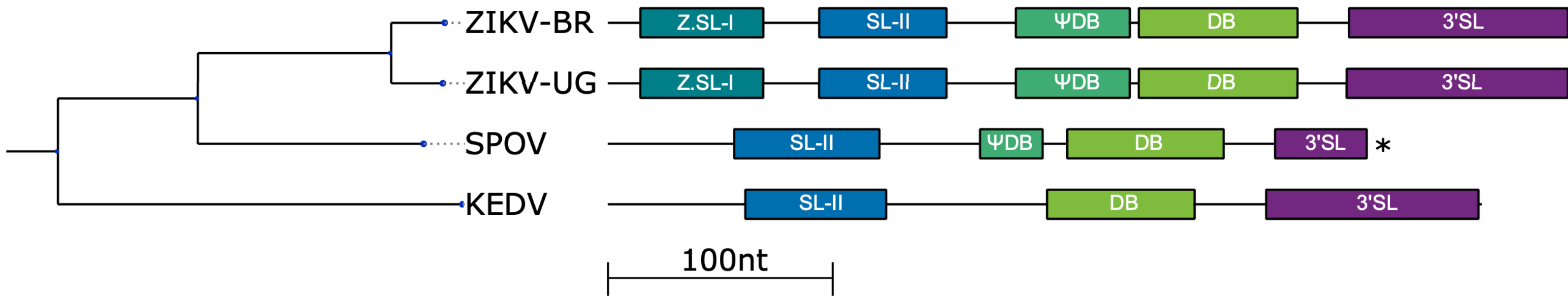
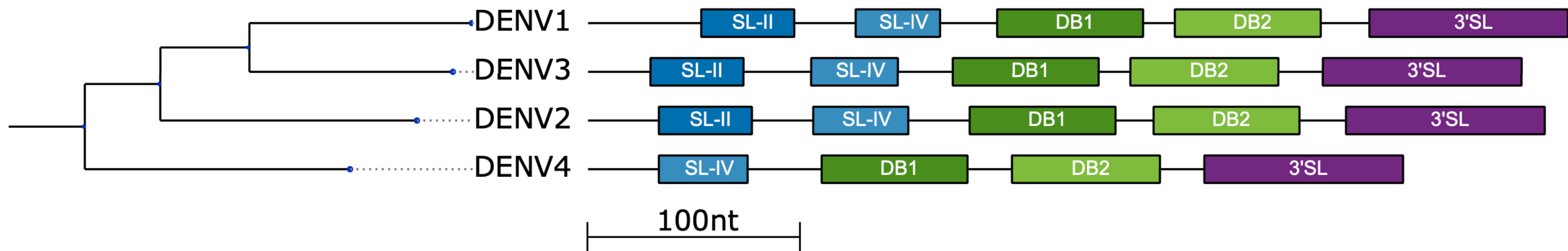


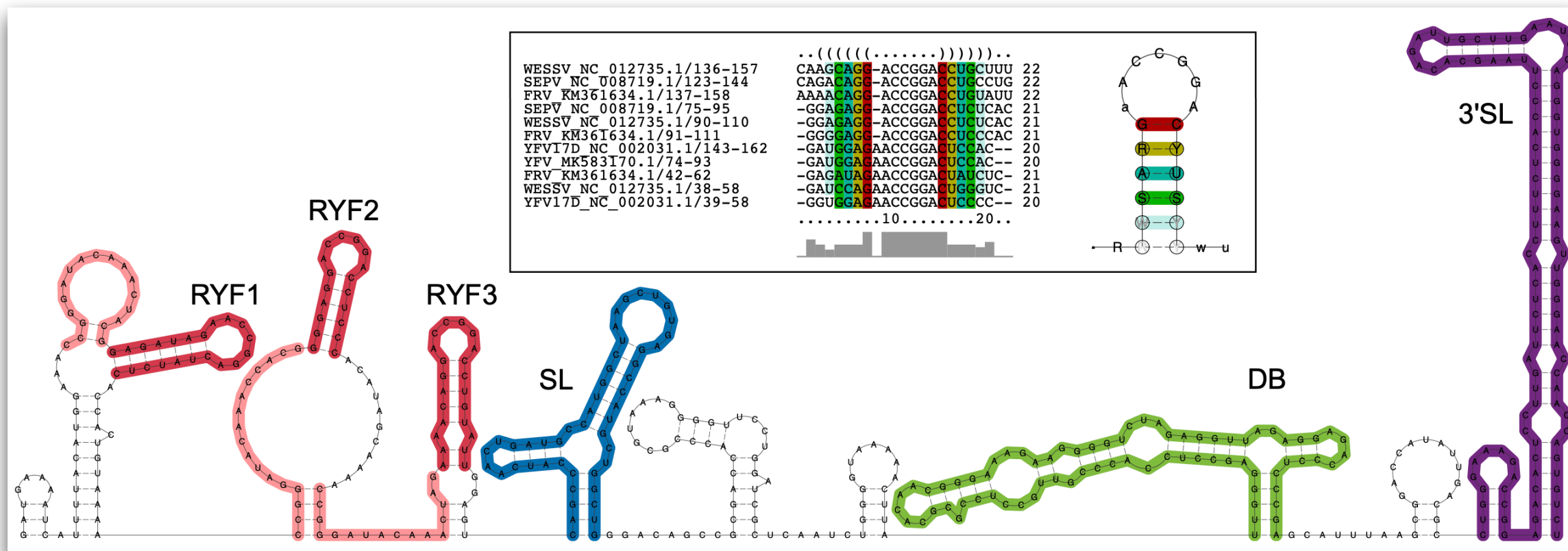
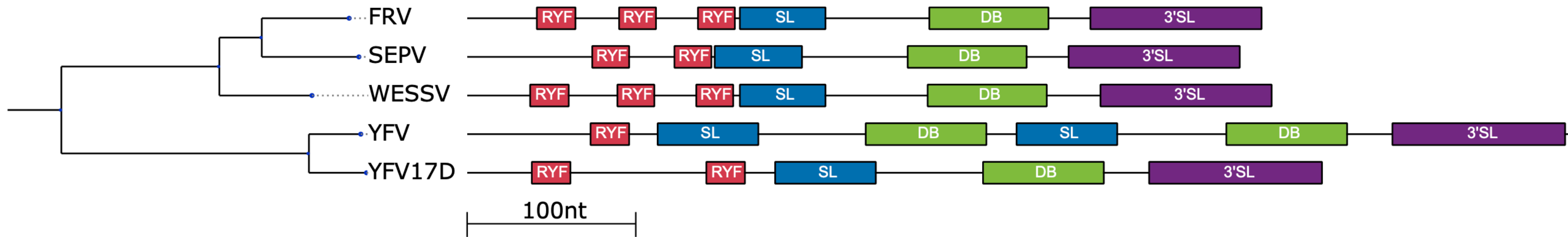




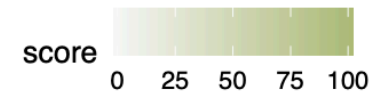


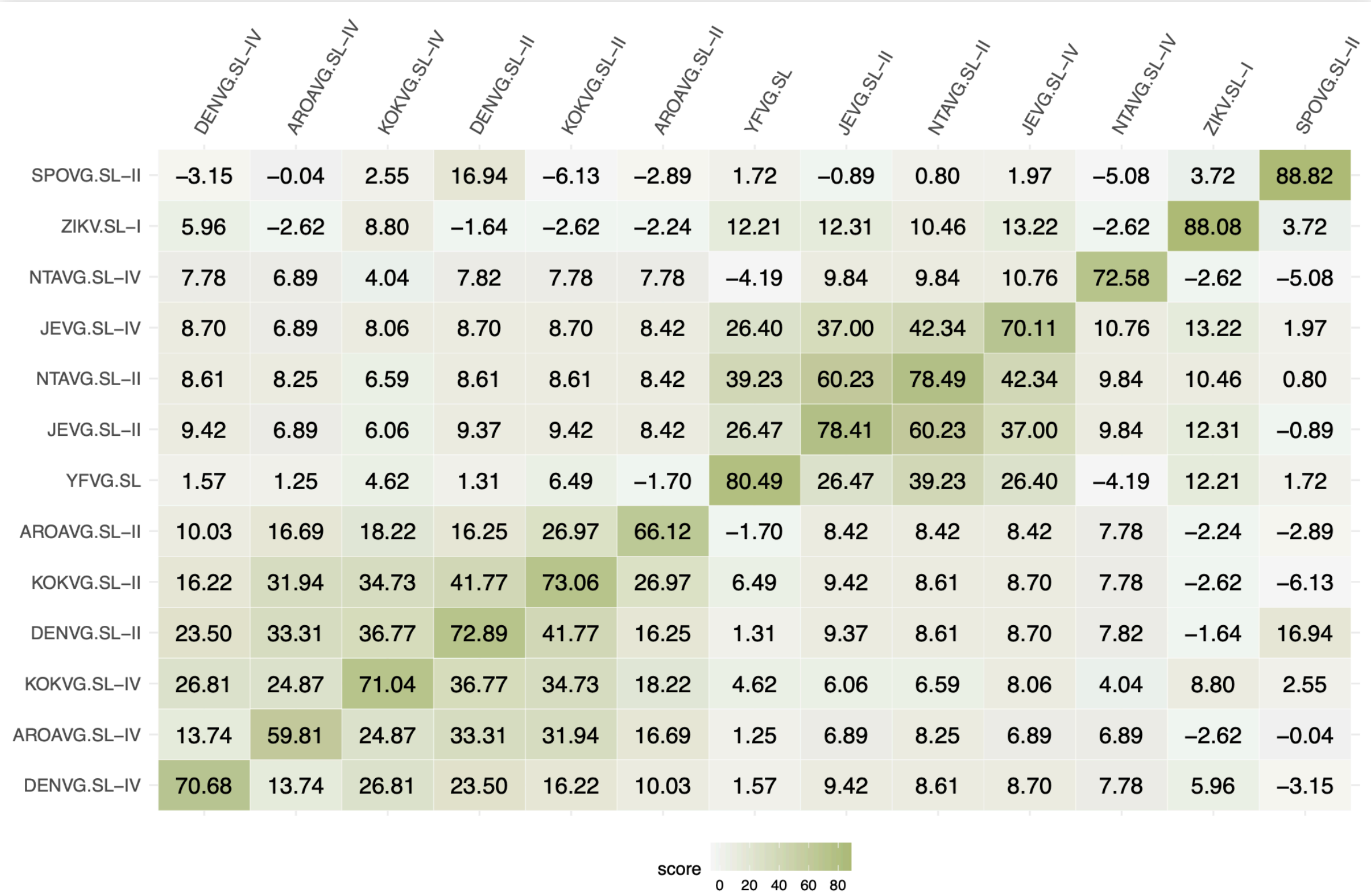






	AROAVG.DB1	DENVG.DB1	KOKVG.DB1	JEVG.DB1	NTAVG.DB1	AROAVG.DB2	DENVG.DB2	KOKVG.DB2	JEVG.DB2	NTAVG.DB2	SPOVG.DB	YFVG.DB	SPOVG.psiDB
SPOVG.psiDB	-0.66	-0.66	-0.21	-0.66	-0.66	-0.66	0.05	0.12	-0.17	-0.02	0.44	-1.61	63.11
YFVG.DB	2.82	23.80	10.24	5.19	1.39	16.74	12.67	27.59	10.93	13.99	17.59	99.08	-1.61
SPOVG.DB	46.09	59.17	57.79	57.80	60.37	65.50	64.12	64.84	60.90	70.59	102.22	17.59	0.44
NTAVG.DB2	51.61	56.84	70.79	74.79	71.51	76.67	86.71	76.69	72.45	100.33	70.59	13.99	-0.02
JEVG.DB2	65.56	62.88	56.10	59.17	59.43	64.67	69.32	62.16	97.15	72.45	60.90	10.93	-0.17
KOKVG.DB2	38.34	60.39	74.44	65.07	59.43	80.06	77.92	99.84	62.16	76.69	64.84	27.59	0.12
DENVG.DB2	45.93	55.59	66.53	70.42	62.94	77.43	97.48	77.92	69.32	86.71	64.12	12.67	0.05
AROAVG.DB2	36.95	59.70	70.20	58.73	54.49	99.39	77.43	80.06	64.67	76.67	65.50	16.74	-0.66
NTAVG.DB1	53.11	46.59	63.93	71.13	96.81	54.49	62.94	59.43	59.43	71.51	60.37	1.39	-0.66
JEVG.DB1	48.46	51.08	75.33	97.74	71.13	58.73	70.42	65.07	59.17	74.79	57.80	5.19	-0.66
KOKVG.DB1	44.25	47.54	96.60	75.33	63.93	70.20	66.53	74.44	56.10	70.79	57.79	10.24	-0.21
DENVG.DB1	40.92	101.52	47.54	51.08	46.59	59.70	55.59	60.39	62.88	56.84	59.17	23.80	-0.66
AROAVG.DB1	91.12	40.92	44.25	48.46	53.11	36.95	45.93	38.34	65.56	51.61	46.09	2.82	-0.66





Accession number [†]	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 [‡]	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*