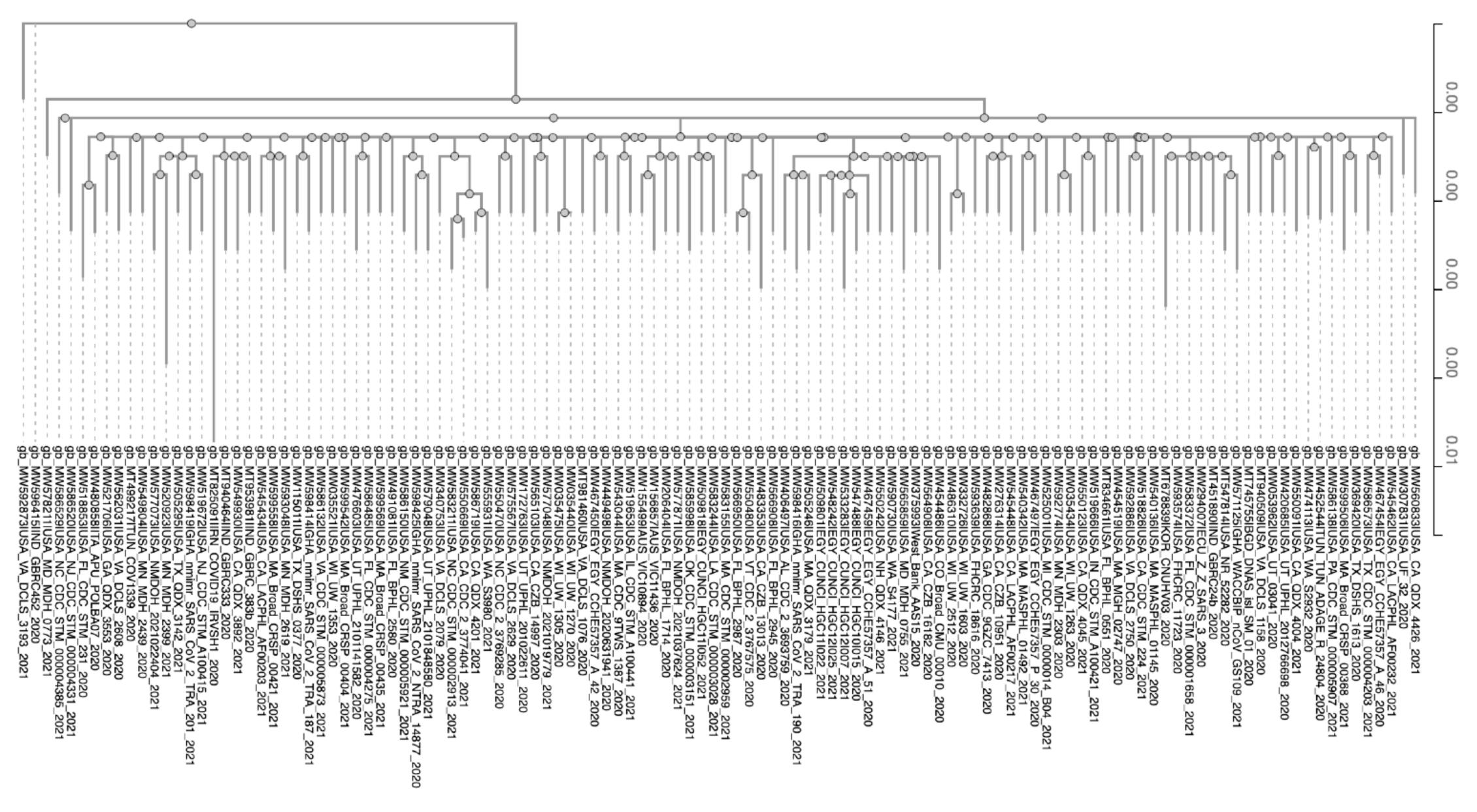
#### **SARS-CoV-2** spike



### WNV NS3

Model	Log L	# p	dN/dS	LRT	p-value
Null	-7745.48	49	1		
Alternative	-6413.5	50	0.009 [0.007-0.011]	2512.6	~0

## HIV-1 env

				very strongly conserved		

Model	Log L	# p	dN/dS	LRT	p-value
Null	-2078.3	40	1		
Alternative	-2078.2	41	1.122 [0.94-1.33]	0.33	~0.6

#### Not significantly different from neutral

# SARS-CoV-2 spike

Model	Log L	# p	dN/dS	LRT	p-value
Null	-9311.0	176	1		
Alternative	-9292.0	177	0.54 [0.48-0.61]	37.94	~0

Very strongly conserved