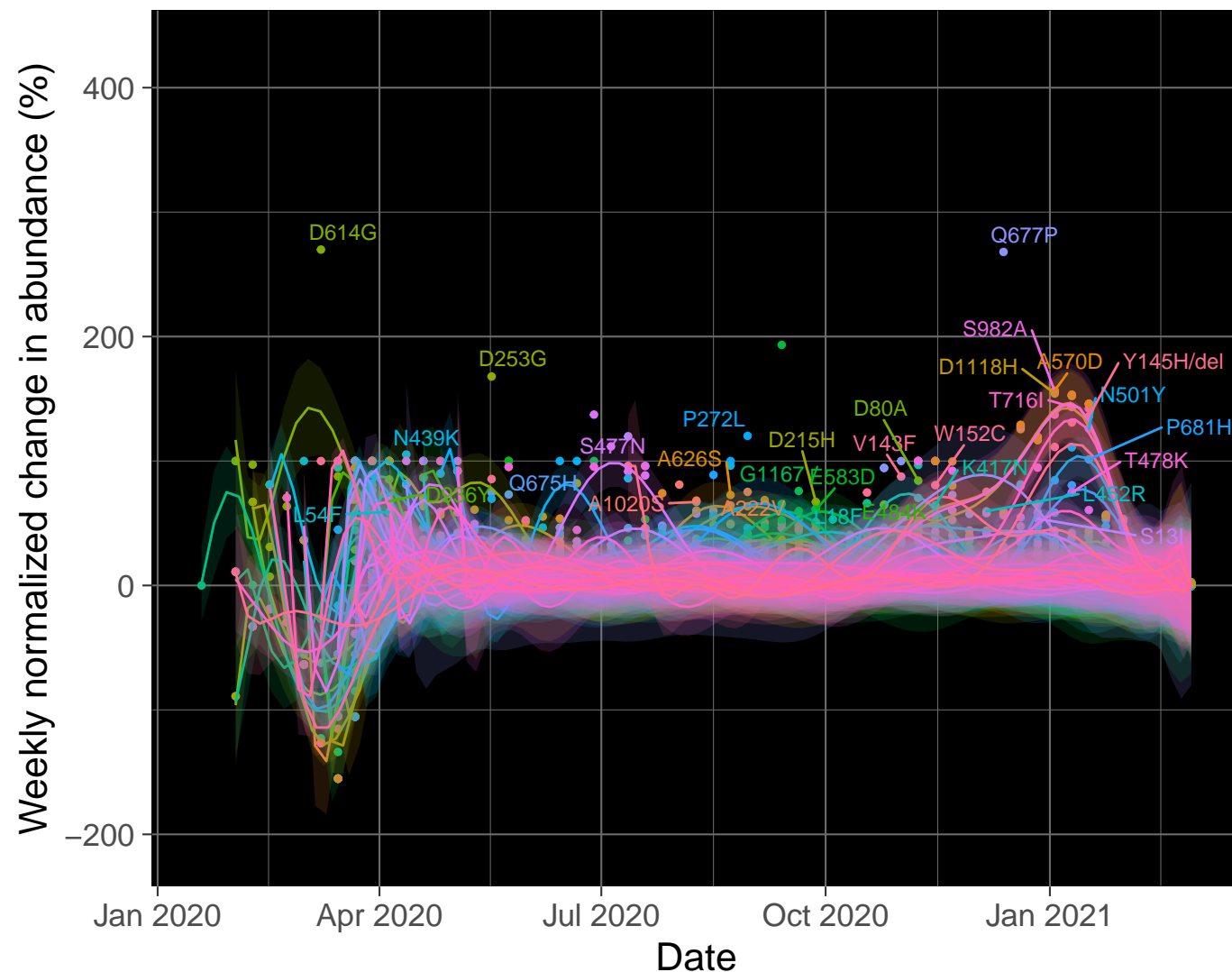


Emergence of SARS-CoV-2 spike protein variants



Variant

A1020S	D80A	L54F	S477N
A1078S	D80Y	L5F	S494P
A222V	D936Y	M153T	S939F
A262S	E484K	N439K	S982A
A570D	E583D	N501T	S98F
A626S	E780Q	N501Y	T478K
A688V	G1167V	P26S	T716I
A701V	G1219C	P272L	T732A
A845S	G769V	P681H	T95I
D1118H	H49Y	Q675H	V1176F
D1163Y	H655Y	Q677H	V1228L
D138Y	K1073N	Q677P	V143F
D215G	K417N	R21I	W152C
D215H	L176F	S12F	Y145H/del
D253G	L18F	S13I	
D614G	L452R	S256L	