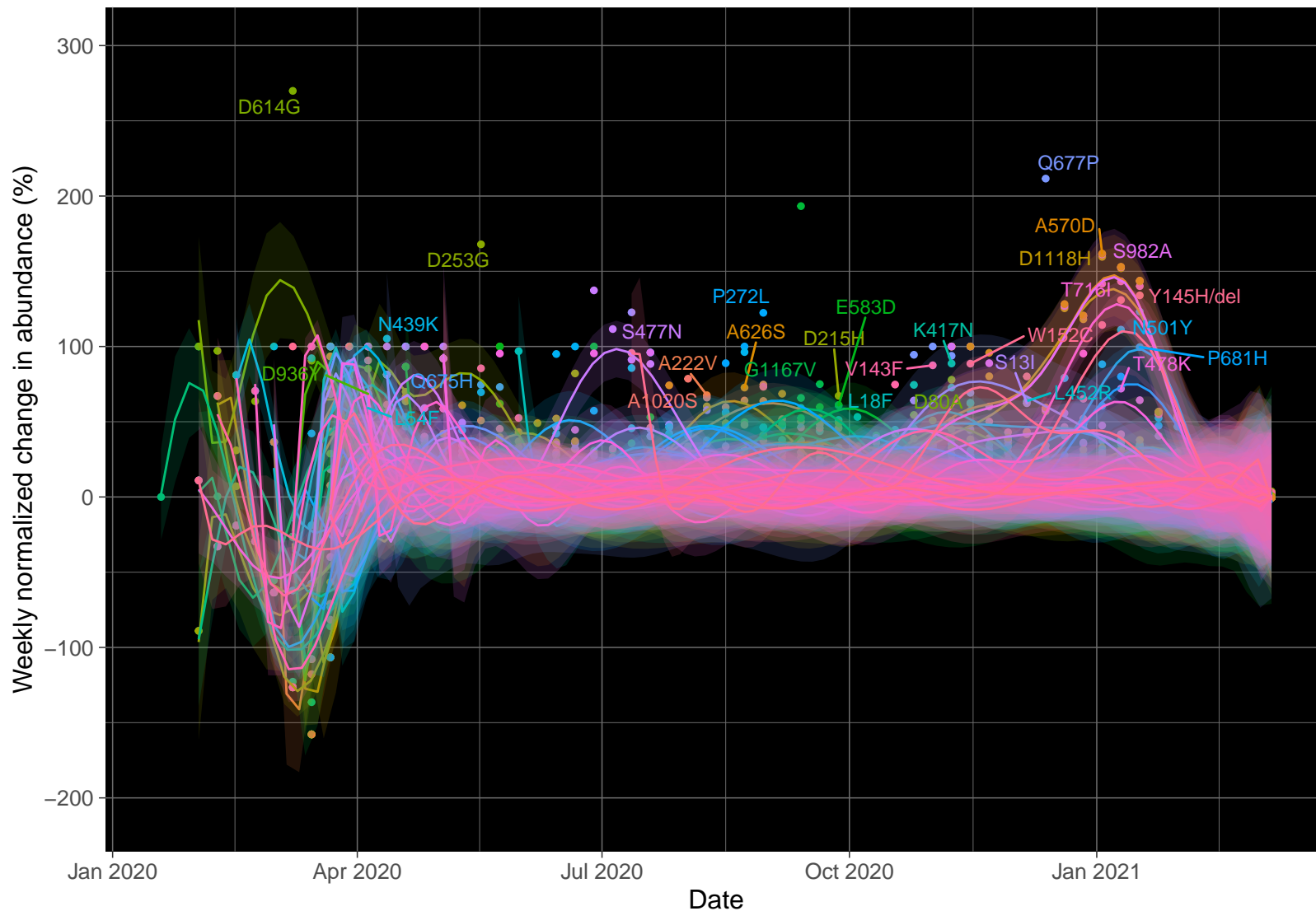


Emergence of SARS-CoV-2 spike protein variants



Variant

A1020S	D80A	L54F	S939F
A1078S	D80Y	L5F	S982A
A222V	D936Y	M153T	S98F
A262S	E484K	N439K	T20I
A520S	E583D	N501T	T478K
A570D	E780Q	N501Y	T716I
A626S	G1167V	P26S	T732A
A688V	G1219C	P272L	T95I
A701V	G769V	P681H	V1176F
A845S	H49Y	Q675H	V1228L
D1118H	H655Y	Q677H	V143F
D1163Y	K1073N	Q677P	V622F
D138H	K1191N	R21I	V772I
D138Y	K417N	S12F	W152C
D215G	L176F	S13I	Y145H/del
D215H	L189F	S256L	
D253G	L18F	S477N	
D614G	L452R	S494P	