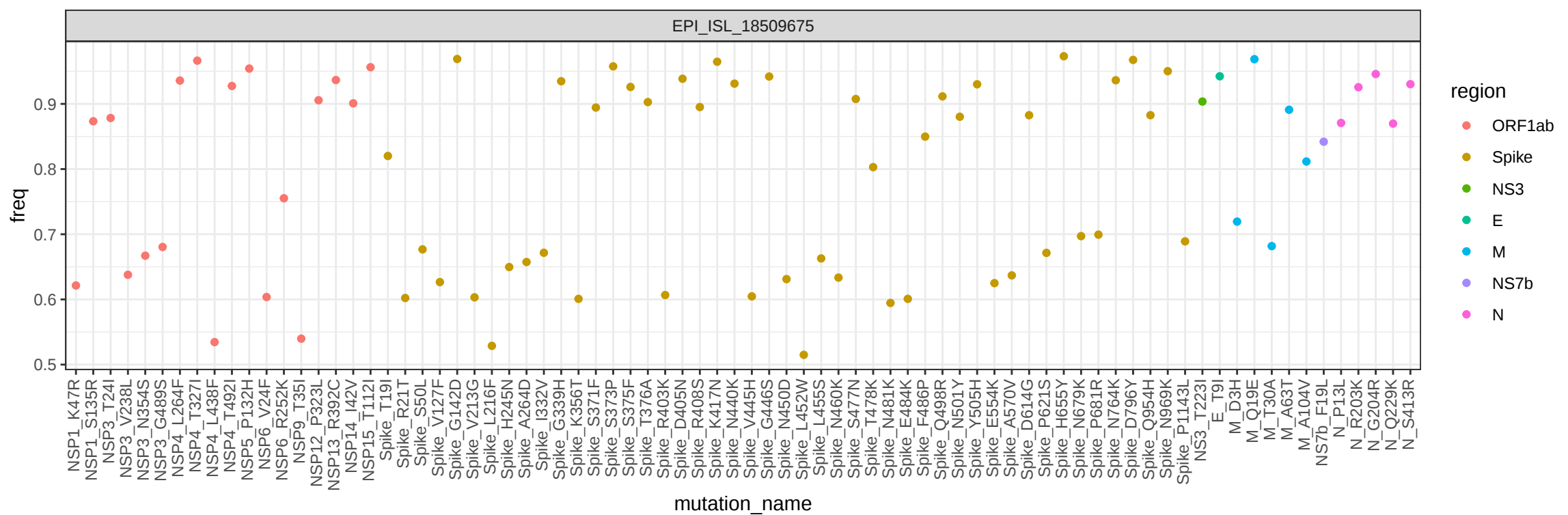
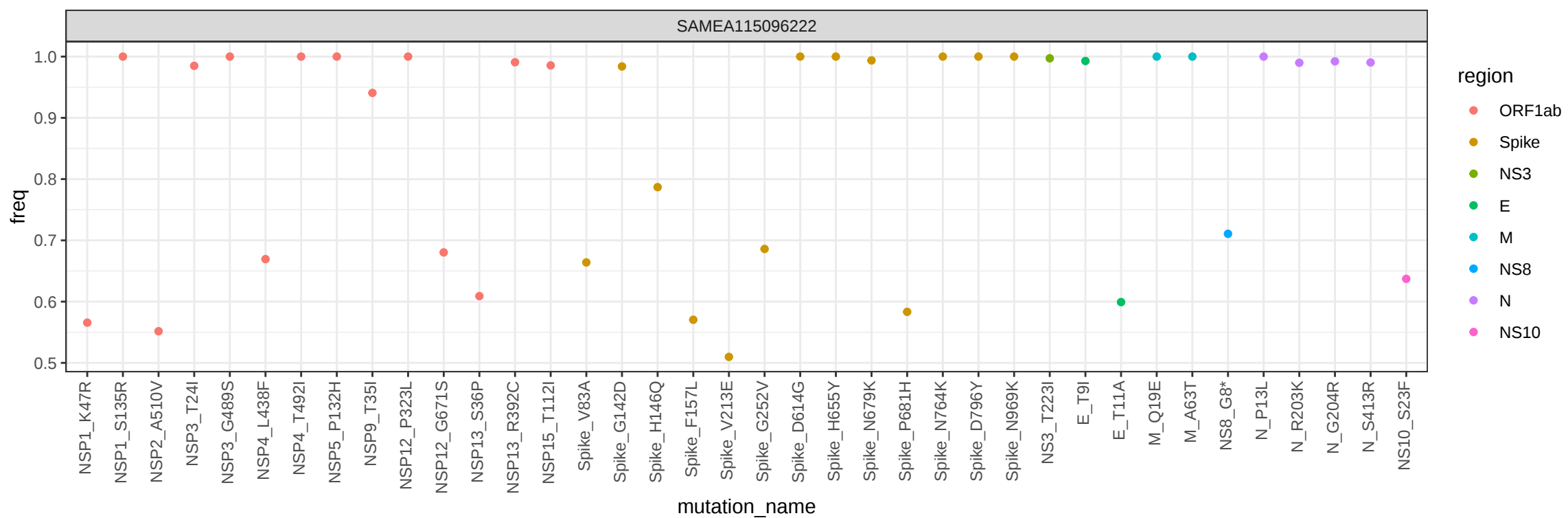
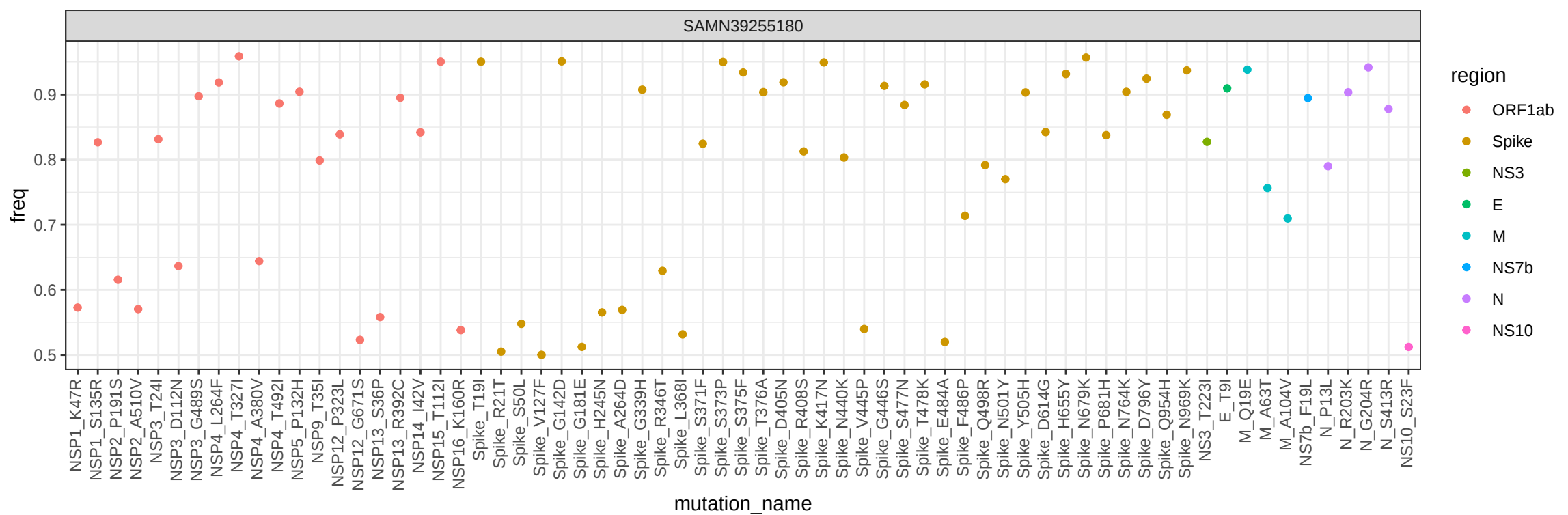
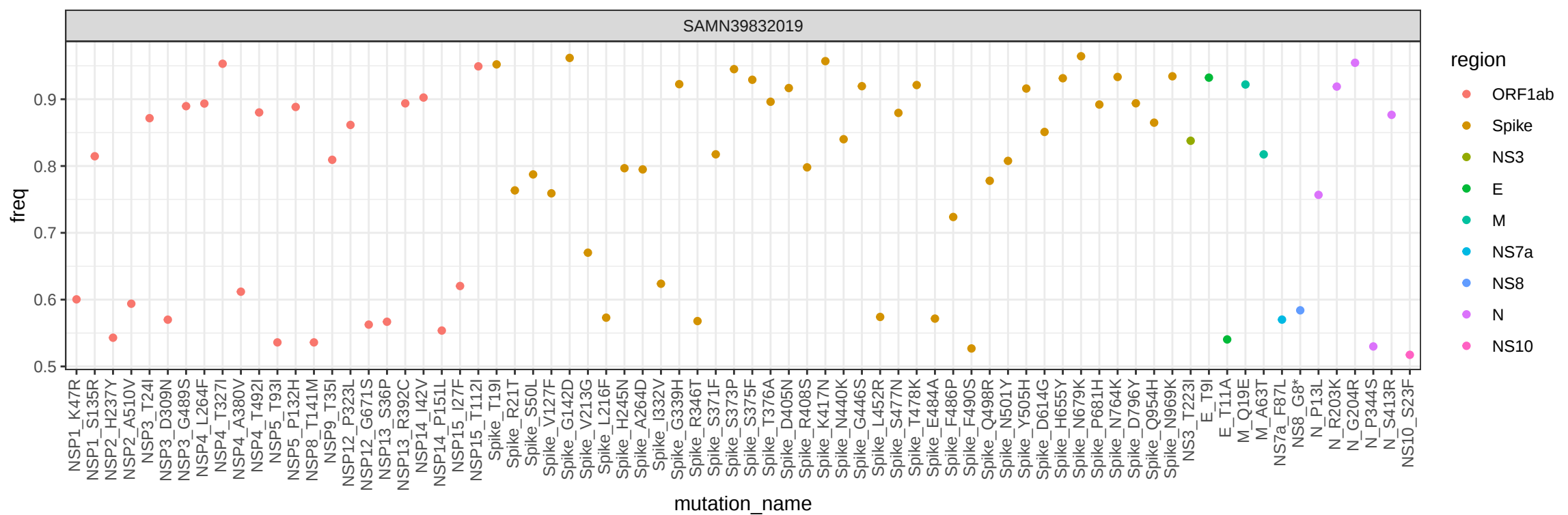
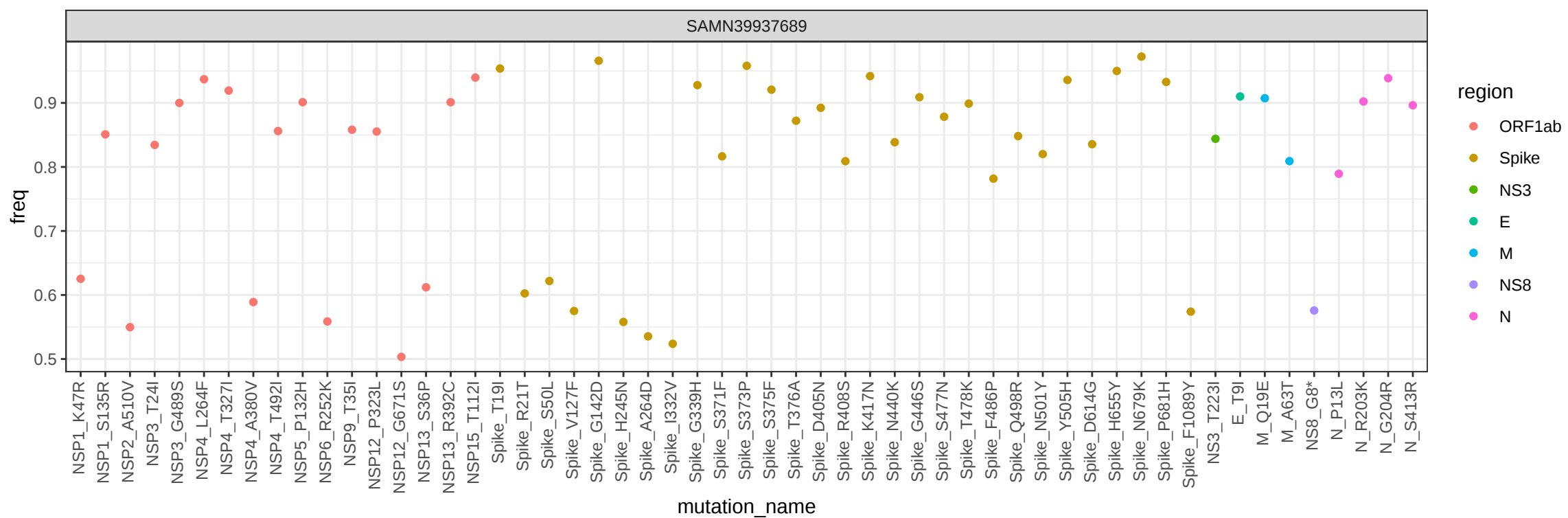


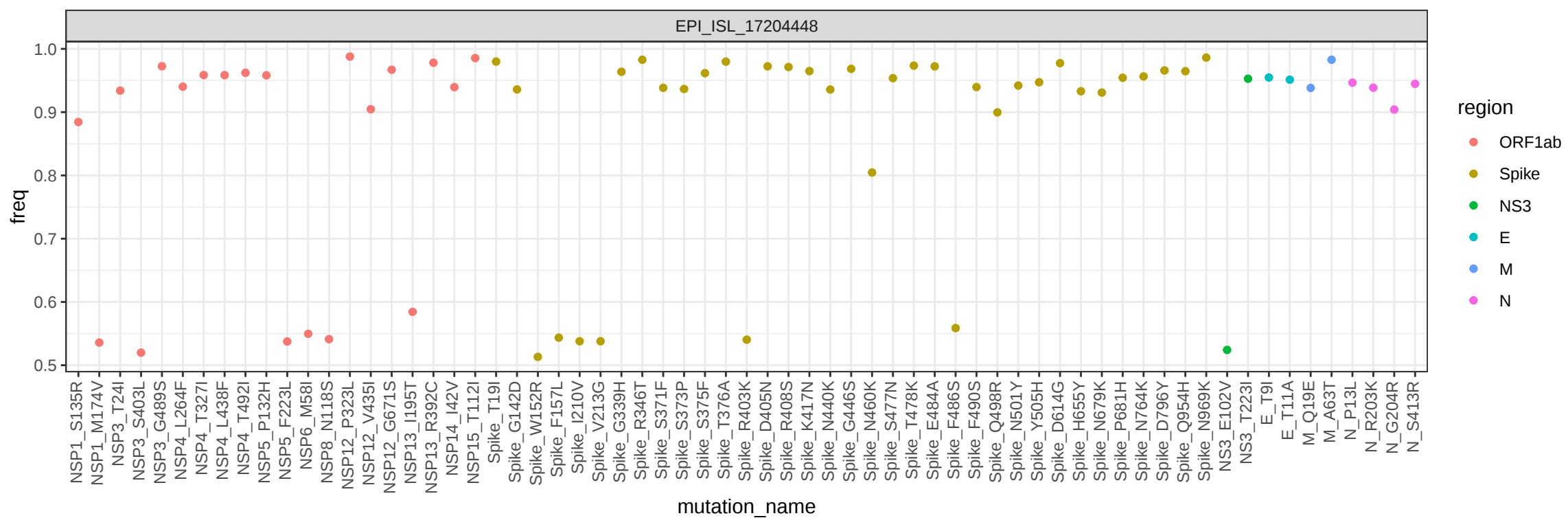


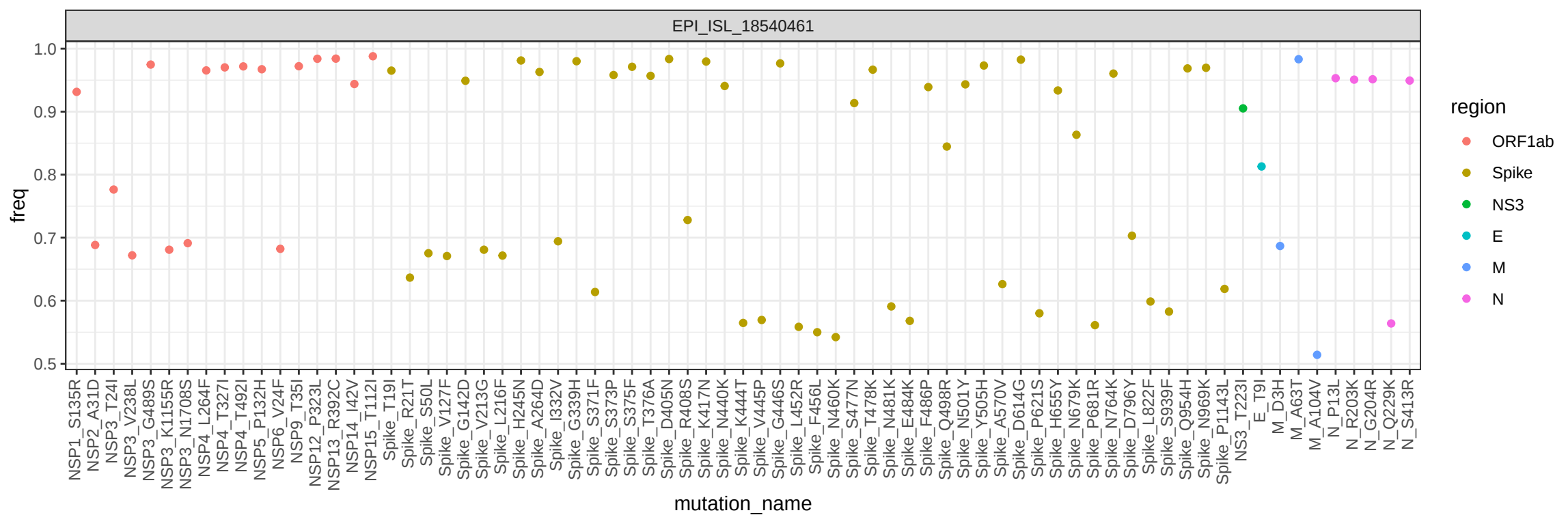


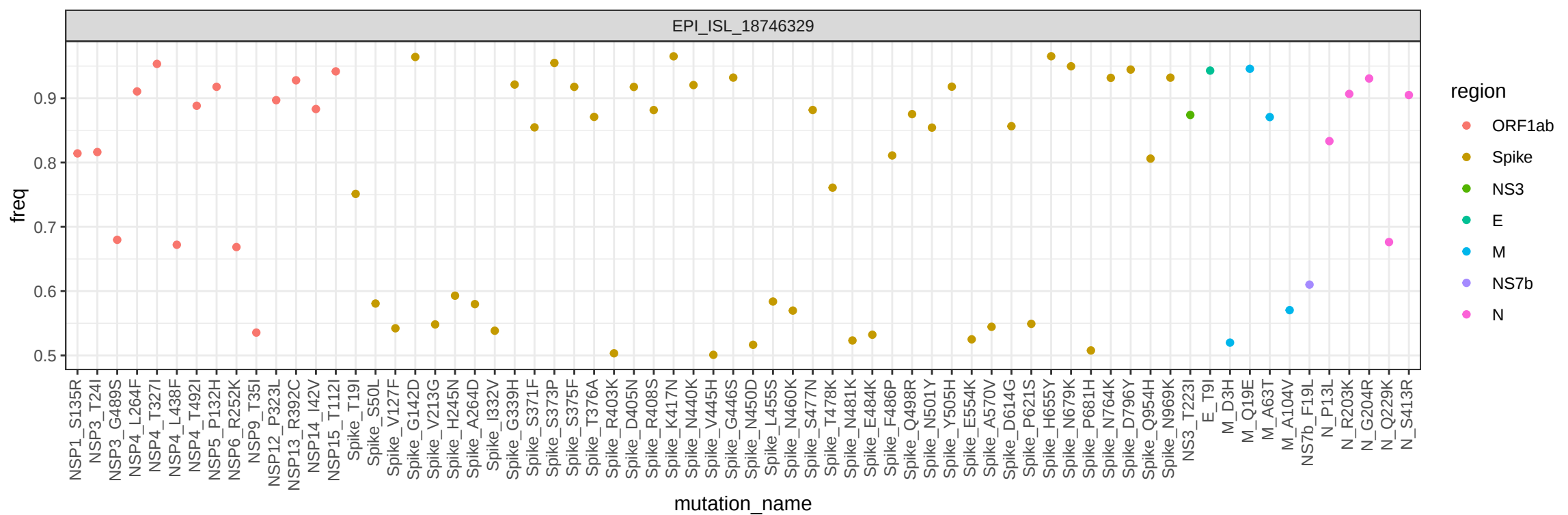


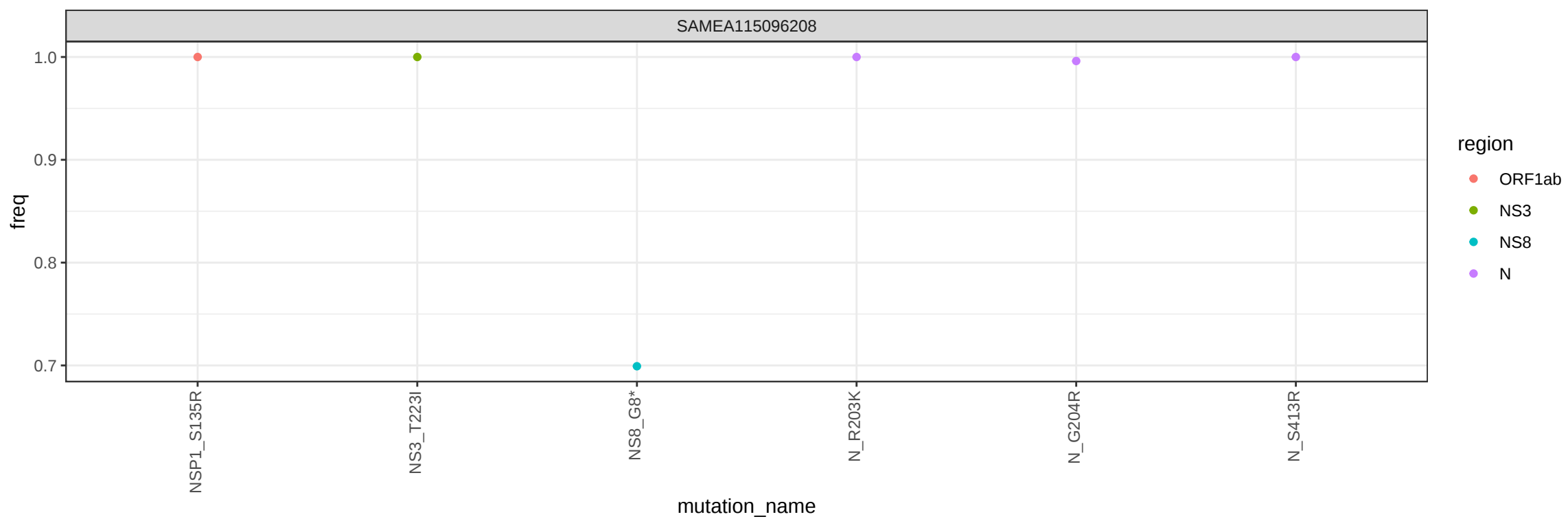


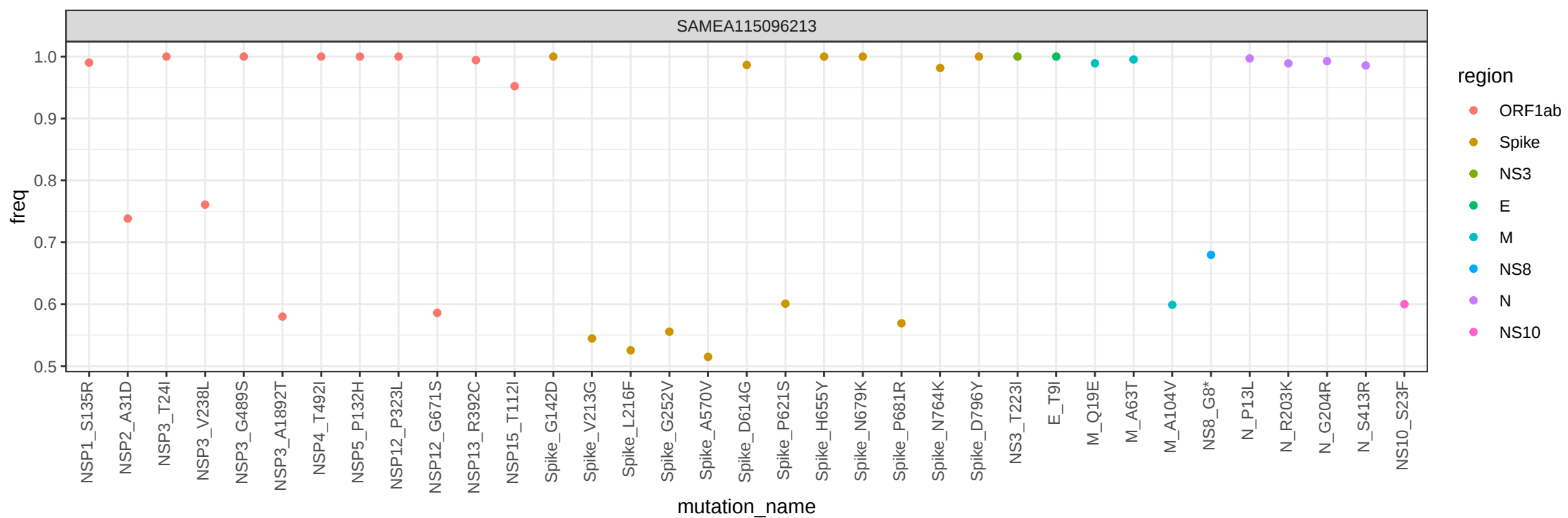


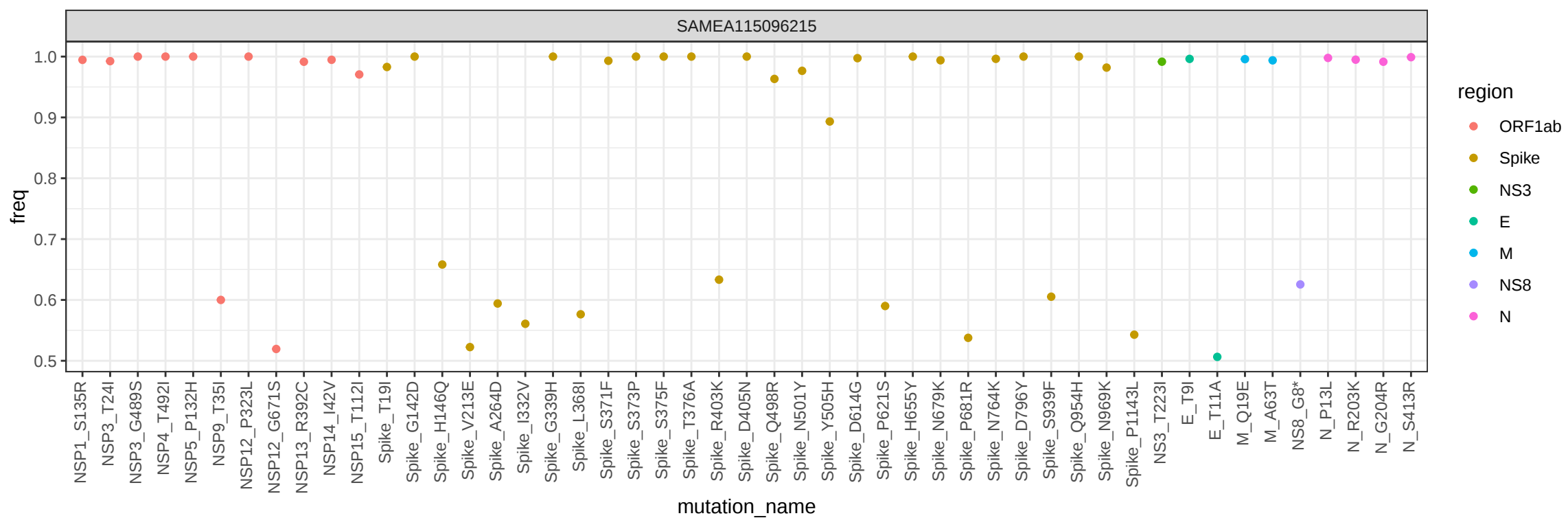


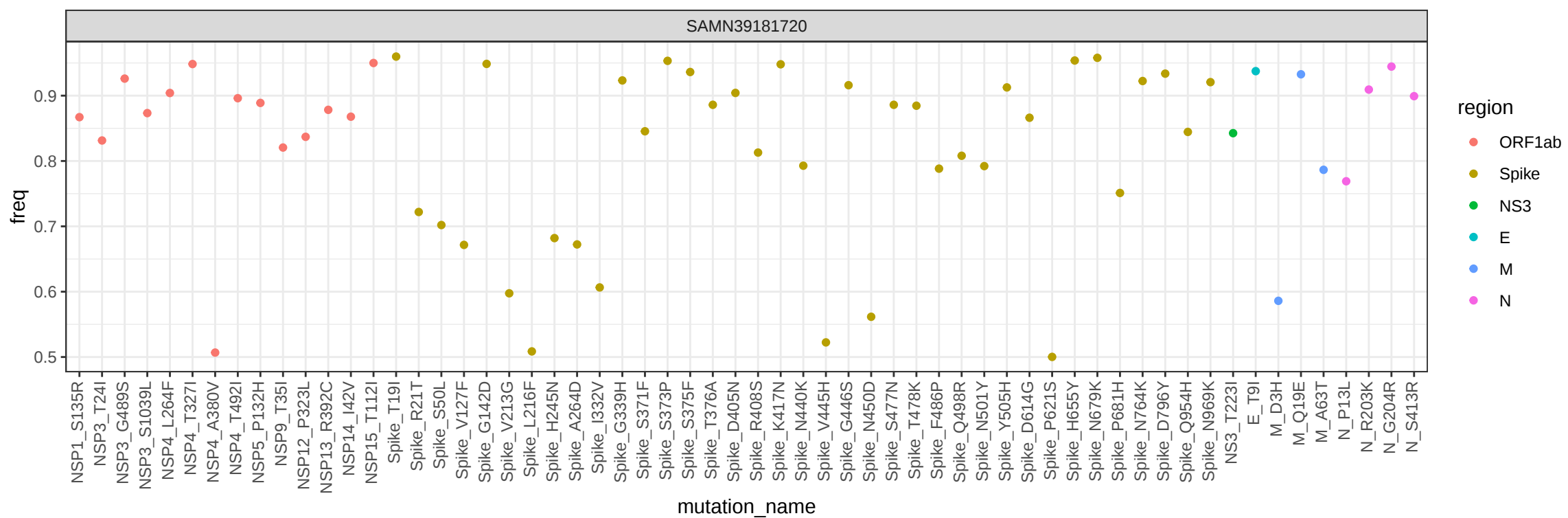


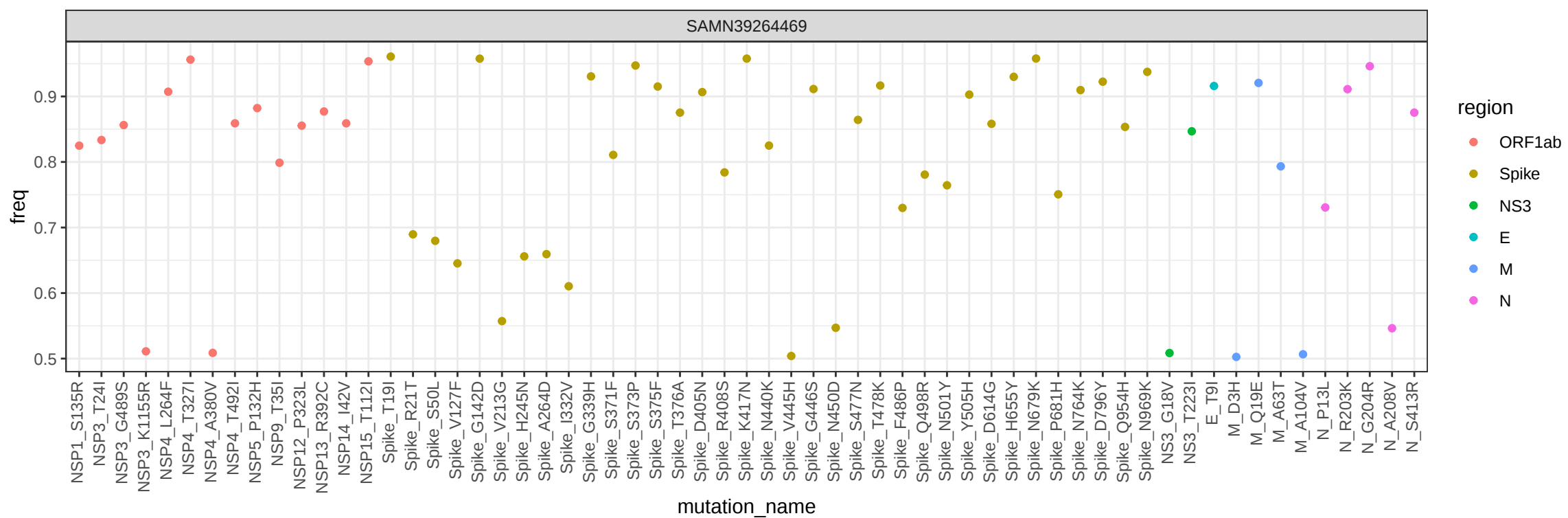












SAMN39657170

freq

region

- ORF1ab
- Spike
- NS3
- E
- M
- N

0.5
0.6
0.7
0.8
0.9

NSP1_S135R
NSP2_A31D
NSP3_T24I
NSP3_G489S
NSP3_S1682F
NSP3_N1708S
NSP4_L264F
NSP4_T327I
NSP4_T492I
NSP5_P132H
NSP6_R252K
NSP9_T35I
NSP12_P323L
NSP13_R392C
NSP14_I42V
NSP15_T112I
Spike_T19I
Spike_R21T
Spike_S50L
Spike_V127F
Spike_G142D
Spike_H245N
Spike_A264D
Spike_I332V
Spike_G339H
Spike_S371F
Spike_S373P
Spike_S375F
Spike_T376A
Spike_R403K
Spike_D405N
Spike_R408S
Spike_K417N
Spike_N440K
Spike_V445H
Spike_G446S
Spike_N450D
Spike_S477N
Spike_T478K
Spike_F486P
Spike_Q498R
Spike_N501Y
Spike_Y505H
Spike_E554K
Spike_A570V
Spike_D614G
Spike_P621S
Spike_H655Y
Spike_N679K
Spike_P681H
Spike_N764K
Spike_D796Y
Spike_Q954H
NS3_V13L
NS3_T223I
E_T9I
M_D3H
M_Q19E
M_A63T
N_P13L
N_R203K
N_G204R
N_Q229K
N_S413R

mutation_name

