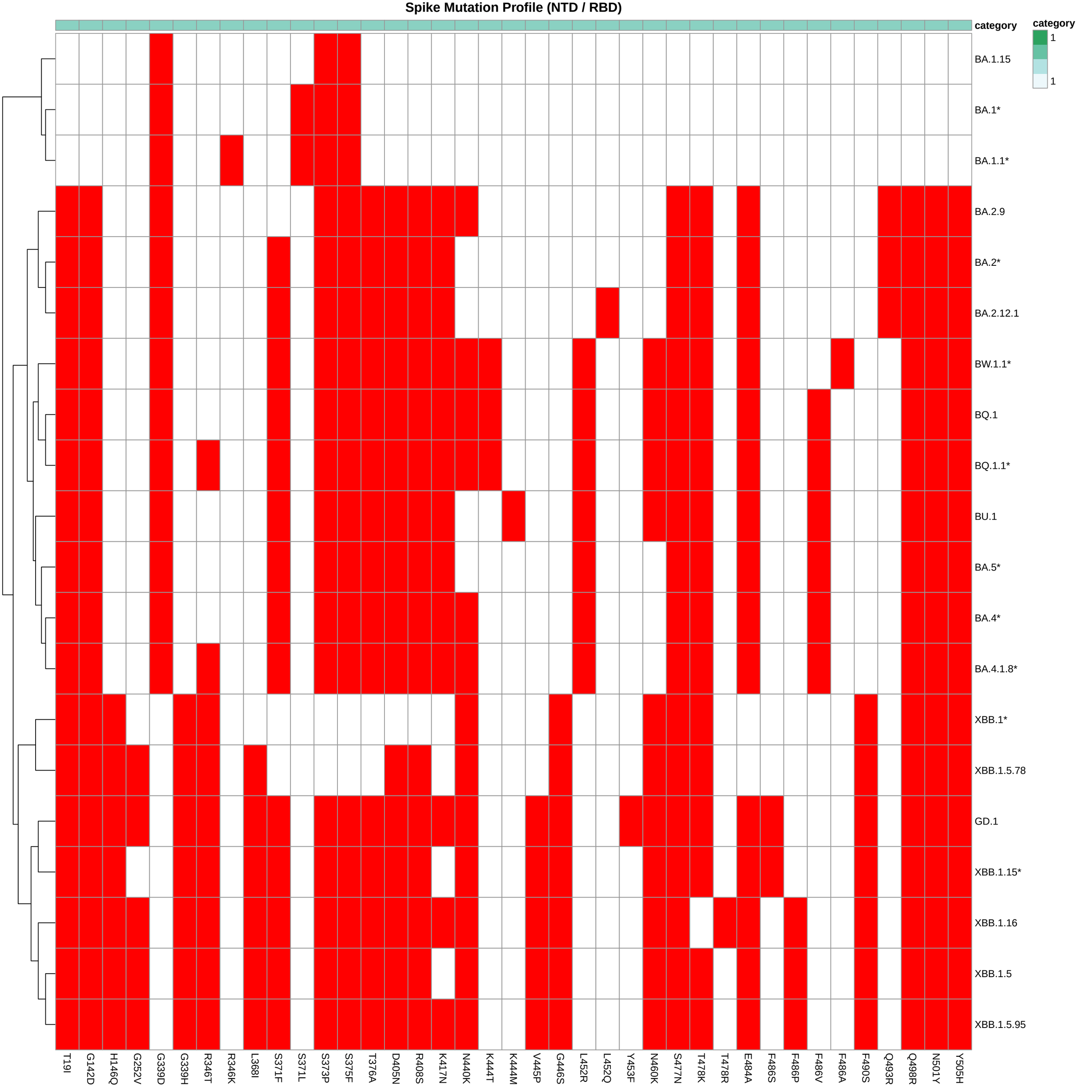
Spike Mutation Profile (NTD / RBD)
category
category
1
1
BA.1.15
BA.1*
BA.1.1*
BA.2.9
BA.2*
BA.2.12.1
BW.1.1*
BQ.1
BQ.1.1*
BU.1
BA.5*
BA.4*
BA.4.1.8*
XBB.1*
XBB.1.5.78
GD.1
XBB.1.15*
XBB.1.16
XBB.1.5
XBB.1.5.95
T19I
G142D
H146Q
G252V
G339D
G339H
R346T
R346K
L368I
S371F
S371L
S373P
S375F
T376A
D405N
R408S
K417N
N440K
K444T
K444M
V445P
G446S
L452R
L452Q
Y453F
N460K
S477N
T478K
T478R
E484A
F486S
F486P
F486V
F486A
F490S
Q493R
Q498R
N501Y
Y505H