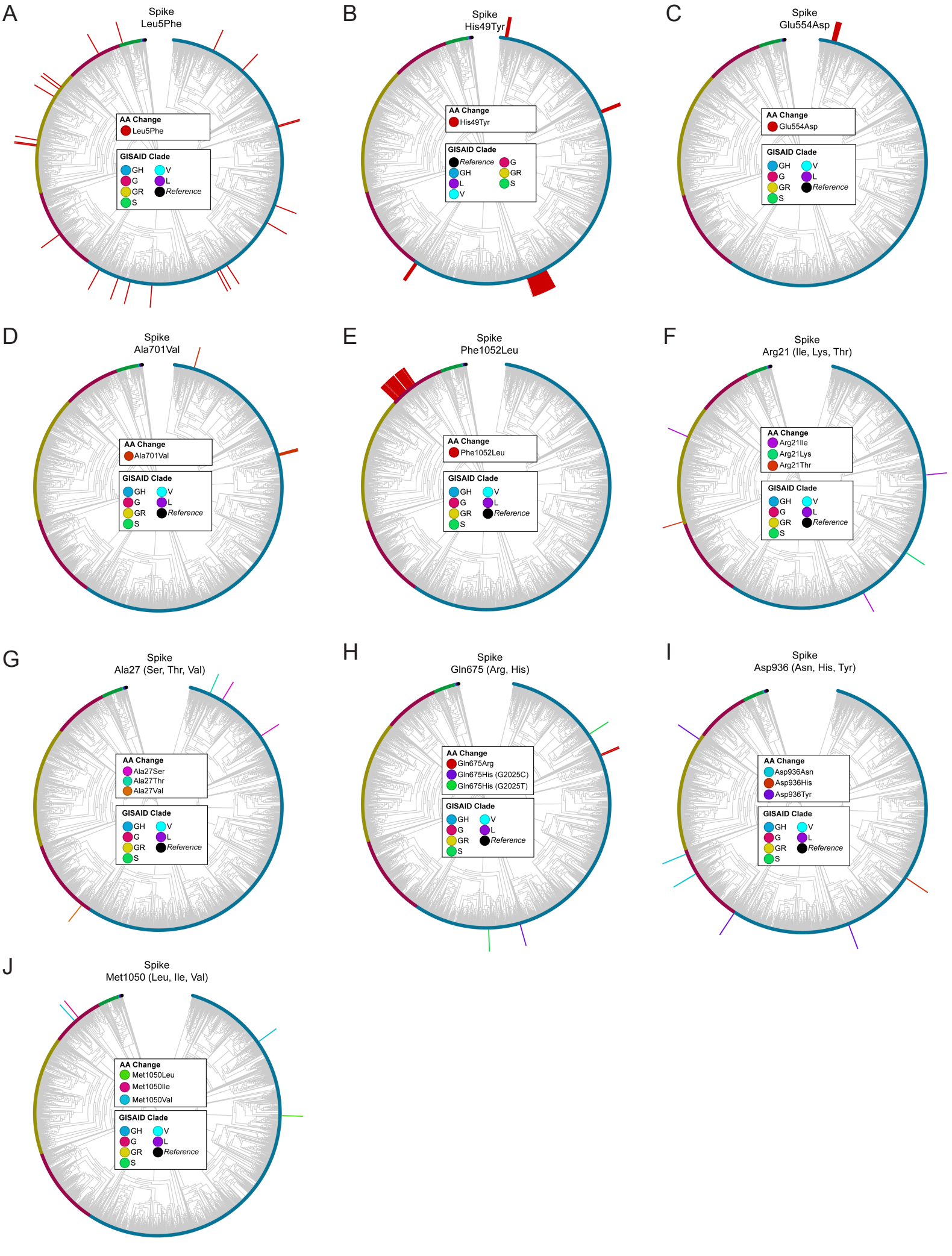
A
Spike
Leu5Phe
AA Change
Leu5Phe
GISAID Clade
GH
V
G
L
GR
Reference
S
B
Spike
His49Tyr
AA Change
His49Tyr
GISAID Clade
Reference
G
GH
GR
L
S
V
C
Spike
Glu554Asp
AA Change
Glu554Asp
GISAID Clade
GH
V
G
L
GR
Reference
S
D
Spike
Ala701Val
AA Change
Ala701Val
GISAID Clade
GH
V
G
L
GR
Reference
S
E
Spike
Phe1052Leu
AA Change
Phe1052Leu
GISAID Clade
GH
V
G
L
GR
Reference
S
F
Spike
Arg21 (Ile, Lys, Thr)
AA Change
Arg21Ile
Arg21Lys
Arg21Thr
GISAID Clade
GH
V
G
L
GR
Reference
S
G
Spike
Ala27 (Ser, Thr, Val)
AA Change
Ala27Ser
Ala27Thr
Ala27Val
GISAID Clade
GH
V
G
L
GR
Reference
S
H
Spike
Gln675 (Arg, His)
AA Change
Gln675Arg
Gln675His (G2025C)
Gln675His (G2025T)
GISAID Clade
GH
V
G
L
GR
Reference
S
I
Spike
Asp936 (Asn, His, Tyr)
AA Change
Asp936Asn
Asp936His
Asp936Tyr
GISAID Clade
GH
V
G
L
GR
Reference
S
J
Spike
Met1050 (Leu, Ile, Val)
AA Change
Met1050Leu
Met1050Ile
Met1050Val
GISAID Clade
GH
V
G
L
GR
Reference
S