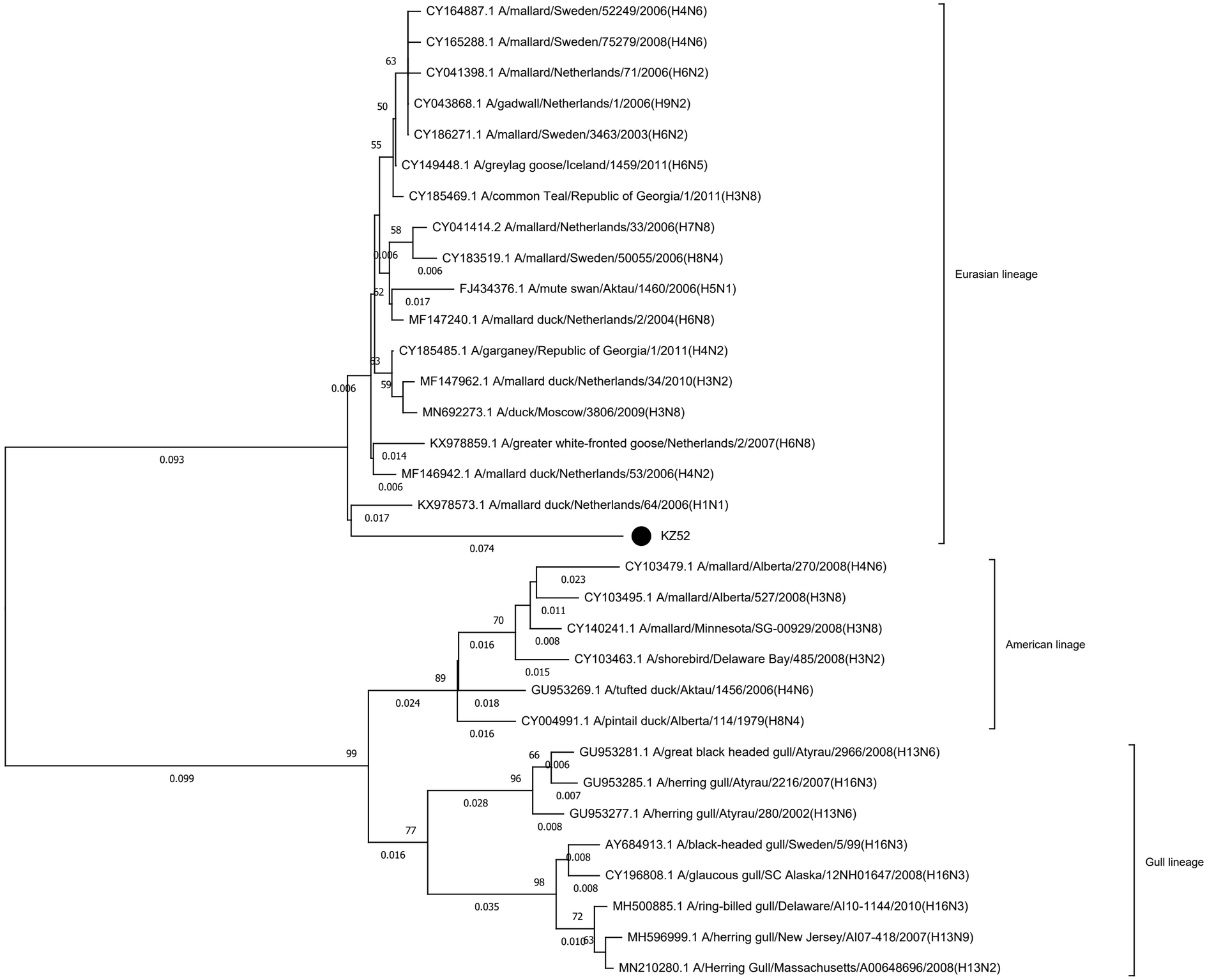
CY164887.1 A/mallard/Sweden/52249/2006(H4N6)
CY165288.1 A/mallard/Sweden/75279/2008(H4N6)
CY041398.1 A/mallard/Netherlands/71/2006(H6N2)
CY043868.1 A/gadwall/Netherlands/1/2006(H9N2)
CY186271.1 A/mallard/Sweden/3463/2003(H6N2)
CY149448.1 A/greylag goose/Iceland/1459/2011(H6N5)
CY185469.1 A/common Teal/Republic of Georgia/1/2011(H3N8)
CY041414.2 A/mallard/Netherlands/33/2006(H7N8)
CY183519.1 A/mallard/Sweden/50055/2006(H8N4)
FJ434376.1 A/mute swan/Aktau/1460/2006(H5N1)
MF147240.1 A/mallard duck/Netherlands/2/2004(H6N8)
CY185485.1 A/garganey/Republic of Georgia/1/2011(H4N2)
MF147962.1 A/mallard duck/Netherlands/34/2010(H3N2)
MN692273.1 A/duck/Moscow/3806/2009(H3N8)
KX978859.1 A/greater white-fronted goose/Netherlands/2/2007(H6N8)
MF146942.1 A/mallard duck/Netherlands/53/2006(H4N2)
KX978573.1 A/mallard duck/Netherlands/64/2006(H1N1)
KZ52
Eurasian lineage
CY103479.1 A/mallard/Alberta/270/2008(H4N6)
CY103495.1 A/mallard/Alberta/527/2008(H3N8)
CY140241.1 A/mallard/Minnesota/SG-00929/2008(H3N8)
CY103463.1 A/shorebird/Delaware Bay/485/2008(H3N2)
GU953269.1 A/tufted duck/Aktau/1456/2006(H4N6)
CY004991.1 A/pintail duck/Alberta/114/1979(H8N4)
American linage
GU953281.1 A/great black headed gull/Atyrau/2966/2008(H13N6)
GU953285.1 A/herring gull/Atyrau/2216/2007(H16N3)
GU953277.1 A/herring gull/Atyrau/280/2002(H13N6)
AY684913.1 A/black-headed gull/Sweden/5/99(H16N3)
CY196808.1 A/glaucous gull/SC Alaska/12NH01647/2008(H16N3)
MH500885.1 A/ring-billed gull/Delaware/AI10-1144/2010(H16N3)
MH596999.1 A/herring gull/New Jersey/AI07-418/2007(H13N9)
MN210280.1 A/Herring Gull/Massachusetts/A00648696/2008(H13N2)
Gull lineage
0.093
0.099
0.074
0.024
0.016
0.035
0.006
0.014
0.017
0.023
0.011
0.008
0.015
0.018
0.007
0.010
63
50
55
58
52
59
70
89
99
66
96
77
98
72