AB0189-Ca\_BFcol

AB0087-Cb\_BFcol

AA0100-Cb\_GHcol

AB0192-Ca\_BFcol

AB0276-Cb BFcol

-AB0088-Ca\_BFcol

AB0184-Ca\_BFcol

-AB0112-Cb\_BFcol

-AA0040-Cb\_GHcol

AB0223-Cb\_BFcol

AB0124-Cb\_BFcol

-AB0226-Ca\_BFcol

-AB0123-Ca\_BFcol

-AB0122-Ca\_BFcol

AB0138-Ca\_BFcol

AA0067-Ca\_GHcol

89

87

99

99

99

100

100

98

64

26

69

81

90

AA0040-Ca\_GHcol

A) duplication

-AB0237-Ca\_BFcol

100

100

34

-AA0053-Ca\_GHcol

-AA0044-Cb\_GHcol

100

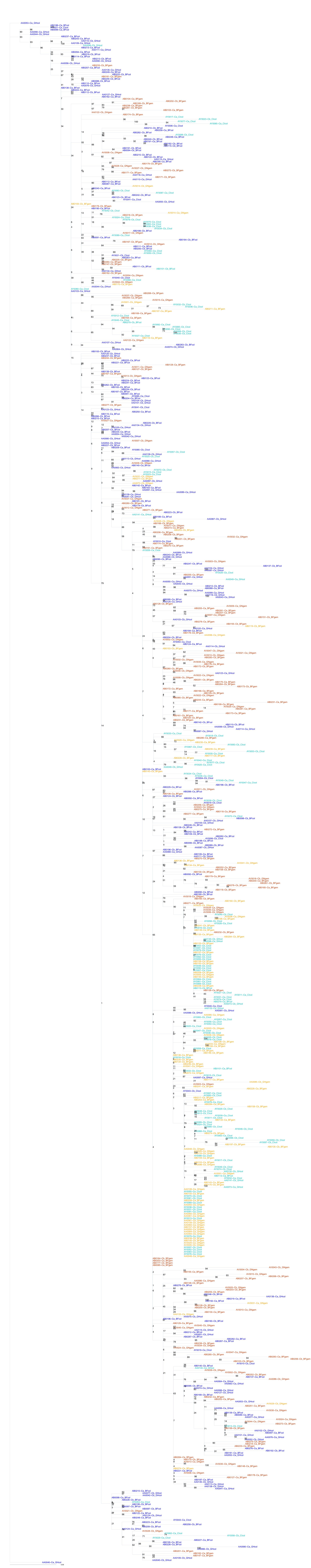
-AA0090-Ca\_GHcol

-AA0110-Cb\_GHcol

-AA0056-Cb\_GHcol

-AA0041-Ca\_GHcol

Ab) duplication, HS~2



AA0049-Cb\_GHcol

AB0139-Ca\_BFcol

AA0042-Ca\_GHcol

-AB0266-Cb\_BFcol

-AB0122-Cb\_BFcol

-AA0040-Cb\_GHcol

-AY0042-Cb Clcol

AB0142-Ca\_BFcol

-AB0100-Ca\_BFcol ------AA0134-Ca\_GHcol

AA0125-Cb\_GHcol

AA0115-Cb\_GHcol

-AY0024-Cb\_Clcol

98

95

96

98

100

100

100

97

56

-AA0040-Ca\_GHcol

0.1

B) upstream

AA0140-Cb\_GHcol

92

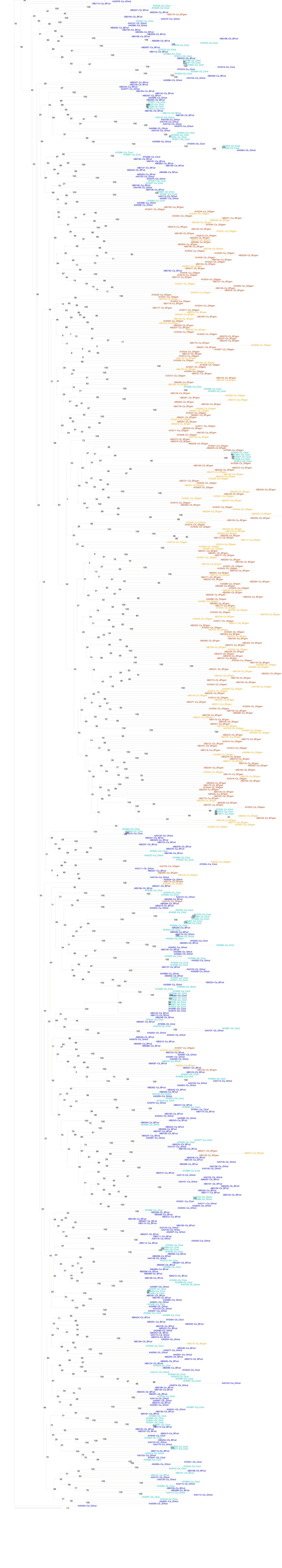
93

99

-AA0098-Ca\_GHcol

AY0082-Cb\_Clcol 1000068-Ca\_Clcol 100035-Cb\_Clcol

-AY0066-Ca\_Clcol ----AY0065-Cb\_Clcol



AB0167-Cb\_BFgam

C) downstream

-AB0279-Ca\_BFcol

AB0113-Ca\_BFcol

34

-AY0013-Ca\_Clcol

-AB0206-Ca\_BFgam

AY0041-Ca\_Clcol

AB0091-Cb\_BFcol

-AB0278-Ca\_BFgam

AB0114-Cb\_BFcol

-AB0199-Cb\_BFgam

AB0260-Cb\_BFgam

AB0196-Cb\_BFcol

AB0223-Cb\_BFcol

-AB0090-Cb\_BFcol

AV0047-Cb\_GNgam

AB0234-Cb\_BFcol

AA0067-Cb\_GHcol

AA0040-Ca\_GHcol

AB0128-Ca\_BFgam

AB0147–Ca\_BFgam
AY0023–Ca\_Clcol

AA0040-Cb\_GHcol

D) upstream of the breakpoint

A000049-Cb\_GHcol AA0124-Cb\_GHcol AA0040-Cb\_GHcol

-AA0040-Ca\_GHcol

0.1

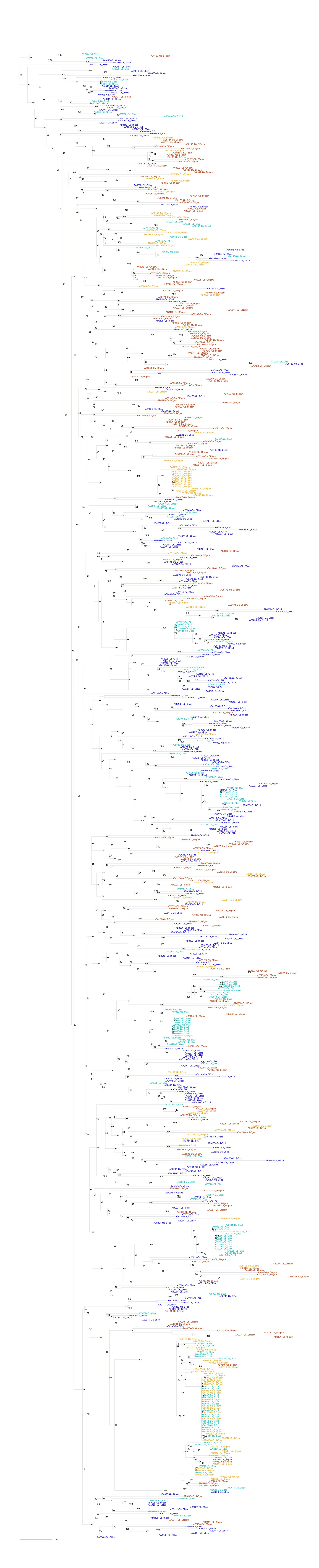
AB0181-Ca\_BFcol

-AB0213-Ca\_BFcol

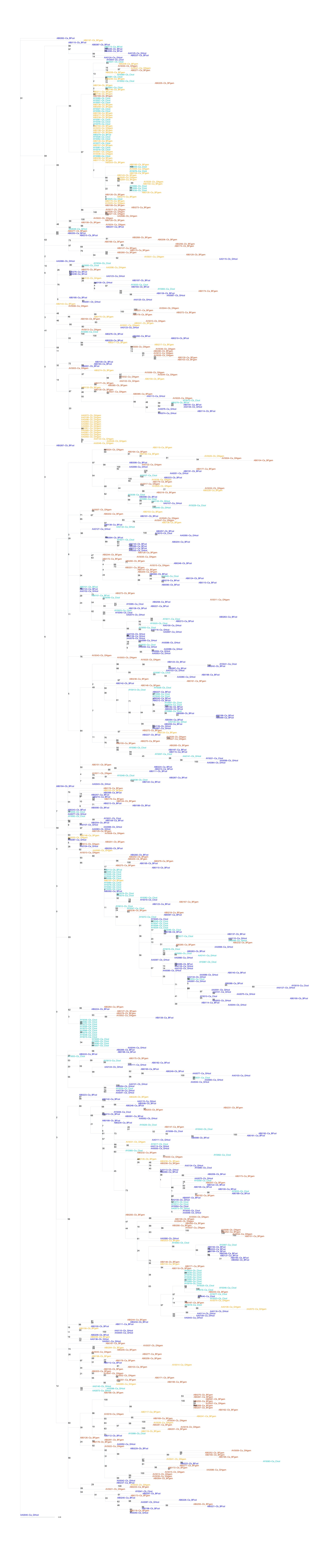
AB0151-Ca\_BFgam

AB0268-Cb\_BFgam

E) downstream of the breakpoint



both5k



both1k