

1 **Supplementary Figure Legends.**

2 FIG. S1. Phylogenetic tree showing relationship between the nucleotide coding
3 regions for Seg-1 (VP1) for all serotypes (45 taxa). The optimal tree with the sum of
4 branch length = 3892.44291306 is shown and there was a total of 3883 positions in
5 the final dataset. Australian sequences; ● prototype ○ non-prototype.

6

7 FIG. S2. Phylogenetic tree showing relationship between the nucleotide coding
8 regions for Seg-2 (VP2) for all serotypes (191 taxa). The optimal tree with the sum of
9 branch length = 4453.04850168 is shown and there was a total of 606 positions in the
10 final dataset. Australian sequences; ● prototype ○ non-prototype.

11

12 FIG. S3. Phylogenetic tree showing relationship between the nucleotide coding
13 regions for Seg-3 (VP3) for all serotypes (79 taxa). The optimal tree with the sum of
14 branch length = 891.98144531 is shown and there was a total of 2698 positions in the
15 final dataset. Australian sequences; ● prototype ○ non-prototype.

16

17 FIG. S4. Phylogenetic tree showing relationship between the nucleotide coding
18 regions for Seg-4 (VP4) for all serotypes (52 taxa). The optimal tree with the sum of
19 branch length = 2170.19720459 is shown and there was a total of 1930 positions in
20 the final dataset. Australian sequences; ● prototype ○ non-prototype.

21

22 FIG. S5. Phylogenetic tree showing relationship between the nucleotide coding
23 regions for Seg-5 (NS1) for all serotypes (78 taxa). The optimal tree with the sum of
24 branch length = 1998.10635376 is shown and there was a total of 1655 positions in
25 the final dataset. Australian sequences; ● prototype ○ non-prototype.

26

27 FIG. S6. Phylogenetic tree showing relationship between the nucleotide coding
28 regions for Seg-6 (VP5) for all serotypes (150 taxa). The optimal tree with the sum of
29 branch length = 6928.09214830 is shown and there was a total of 1557 positions in
30 the final dataset. Australian sequences; ● prototype ○ non-prototype.

31

32 FIG. S7. Phylogenetic tree showing relationship between the nucleotide coding
33 regions for Seg-7 (VP7) for all serotypes (117 taxa). The optimal tree with the sum of
34 branch length = 2272.16035652 is shown and there was a total of 881 positions in the
35 final dataset. Australian sequences; ● prototype ○ non-prototype.

36

37 FIG. S8. Phylogenetic tree showing relationship between the nucleotide coding
38 regions for Seg-8 (NS2) for all serotypes (77 taxa). The optimal tree with the sum of
39 branch length = 1516.43063641 is shown and there was a total of 1054 positions in
40 the final dataset. Australian sequences; ● prototype ○ non-prototype.

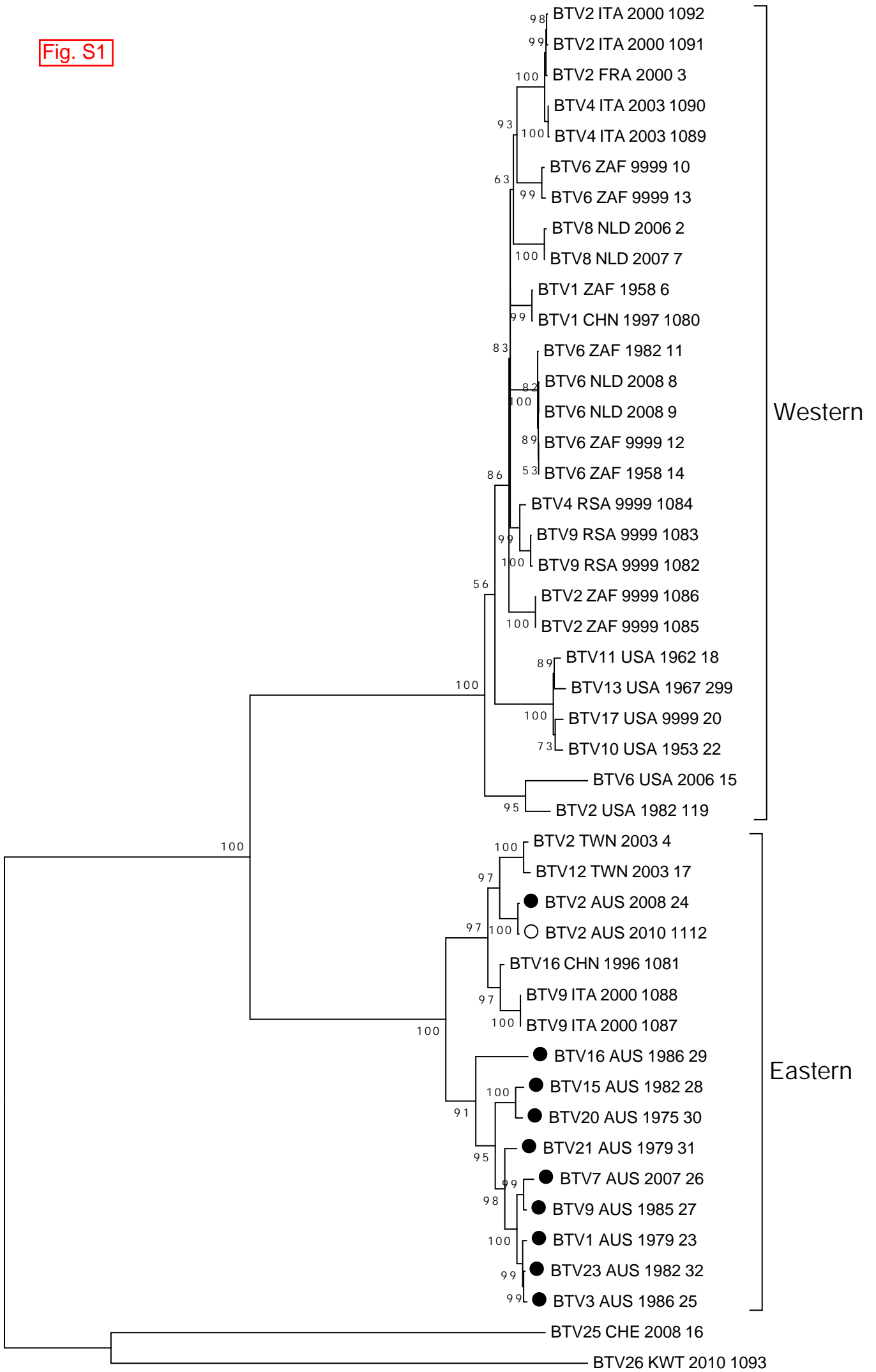
41

42 FIG. S9. Phylogenetic tree showing relationship between the nucleotide coding
43 regions for Seg-9 (VP6) for all serotypes (57 taxa). The optimal tree with the sum of
44 branch length = 1338.26550293 is shown and there was a total of 981 positions in the
45 final dataset. Australian sequences; ● prototype ○ non-prototype.

46

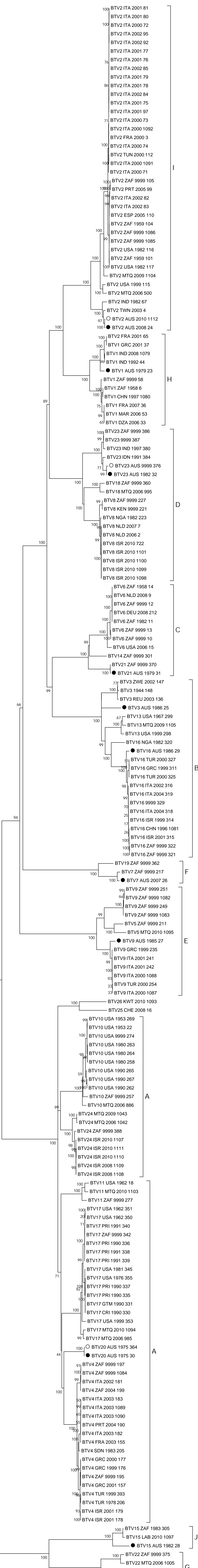
47 FIG. S10. Phylogenetic tree showing relationship between the nucleotide coding
48 regions for Seg-10 (NS3) for all serotypes (176 taxa). The optimal tree with the sum
49 of branch length = 1295.08600247 is shown and there was a total of 684 positions in
50 the final dataset. Australian sequences; ● prototype ○ non-prototype.

Fig. S1



0.1

Fig. S2



0.5

Fig. S3

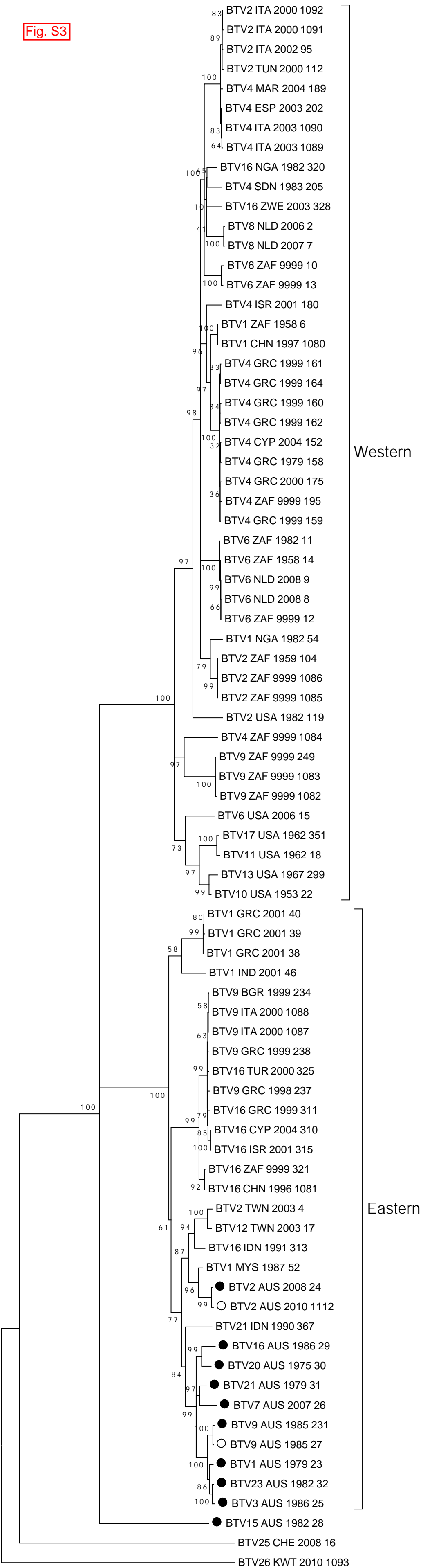
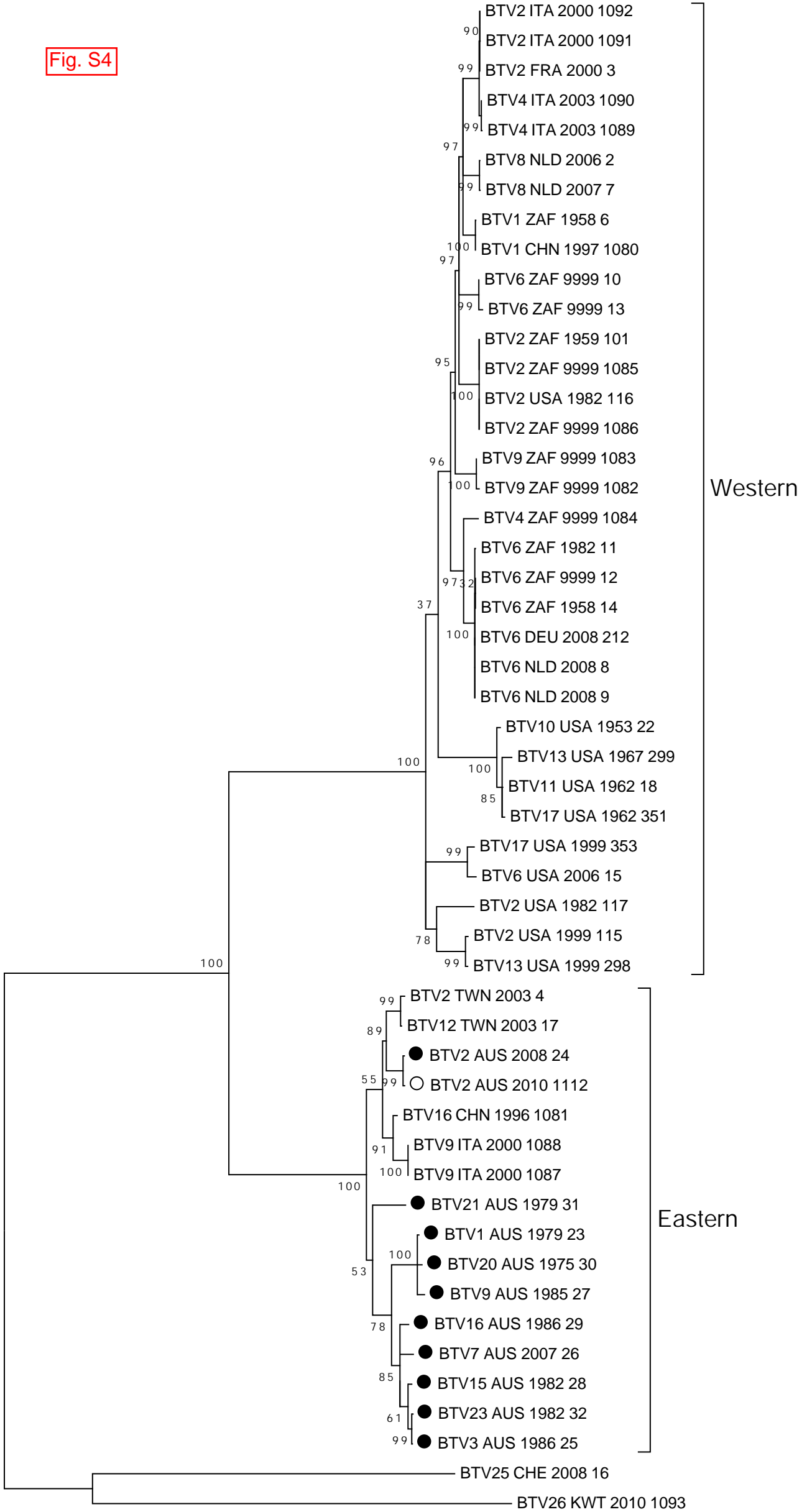


Fig. S4



BTV2 ITA 2000 1092

90 BTV2 ITA 2000 1091

99 BTV2 FRA 2000 3

BTV4 ITA 2003 1090

99 BTV4 ITA 2003 1089

97 BTV8 NLD 2006 2

99 BTV8 NLD 2007 7

BTV1 ZAF 1958 6

100 BTV1 CHN 1997 1080

97 BTV6 ZAF 9999 10

99 BTV6 ZAF 9999 13

BTV2 ZAF 1959 101

95 BTV2 ZAF 9999 1085

100 BTV2 USA 1982 116

BTV2 ZAF 9999 1086

BTV9 ZAF 9999 1083

96 BTV9 ZAF 9999 1082

100 BTV4 ZAF 9999 1084

BTV6 ZAF 1982 11

97 BTV6 ZAF 9999 12

37 BTV6 ZAF 1958 14

100 BTV6 DEU 2008 212

BTV6 NLD 2008 8

BTV6 NLD 2008 9

BTV10 USA 1953 22

100 BTV13 USA 1967 299

100 BTV11 USA 1962 18

85 BTV17 USA 1962 351

99 BTV17 USA 1999 353

BTV6 USA 2006 15

BTV2 USA 1982 117

78 BTV2 USA 1999 115

99 BTV13 USA 1999 298

99 BTV2 TWN 2003 4

89 BTV12 TWN 2003 17

● BTV2 AUS 2008 24

○ BTV2 AUS 2010 1112

55 BTV16 CHN 1996 1081

91 BTV9 ITA 2000 1088

100 BTV9 ITA 2000 1087

100 ● BTV21 AUS 1979 31

● BTV1 AUS 1979 23

53 ● BTV20 AUS 1975 30

● BTV9 AUS 1985 27

78 ● BTV16 AUS 1986 29

● BTV7 AUS 2007 26

85 ● BTV15 AUS 1982 28

61 ● BTV23 AUS 1982 32

99 ● BTV3 AUS 1986 25

BTV25 CHE 2008 16

BTV26 KWT 2010 1093

Fig. S5

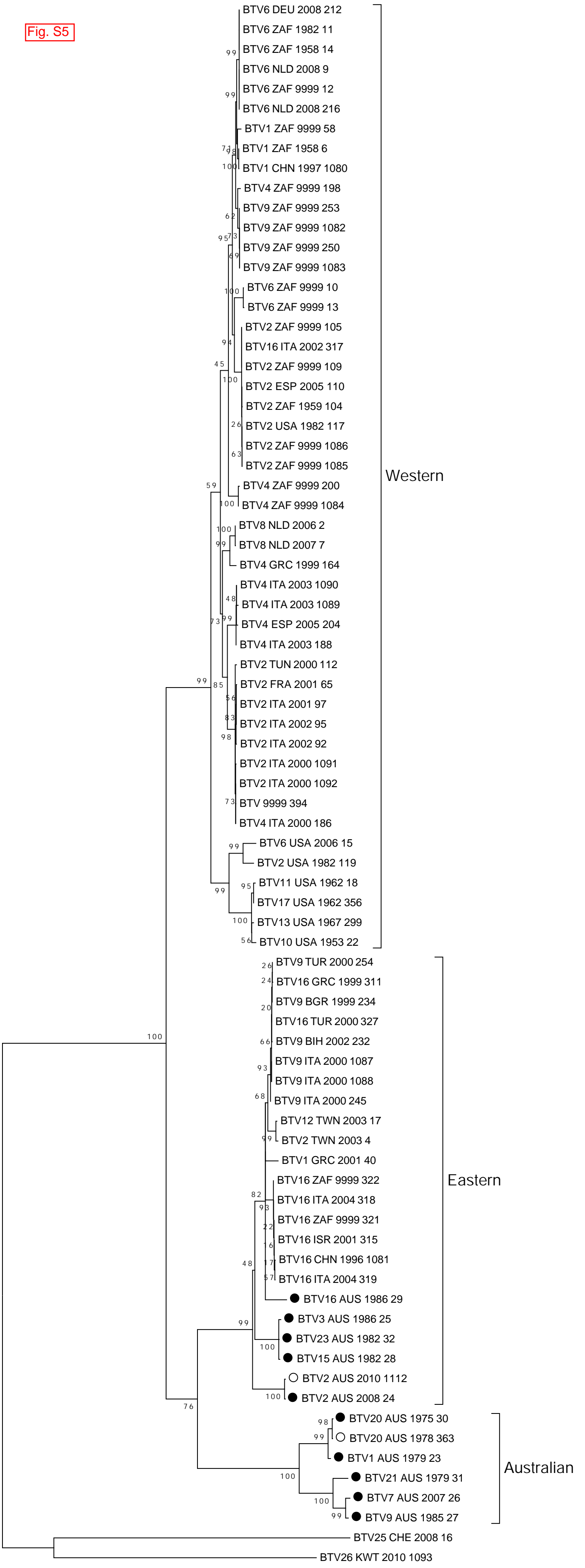
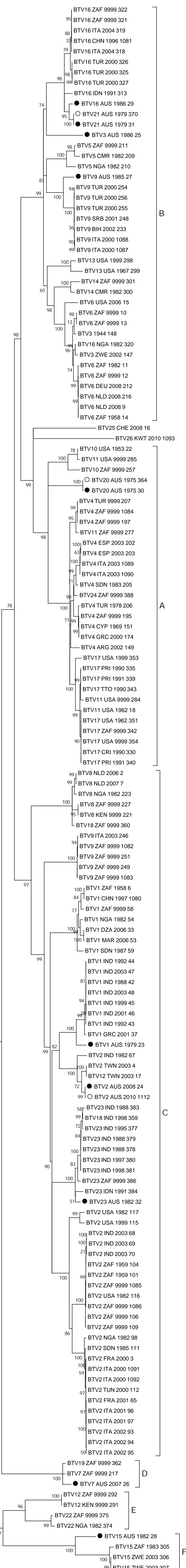
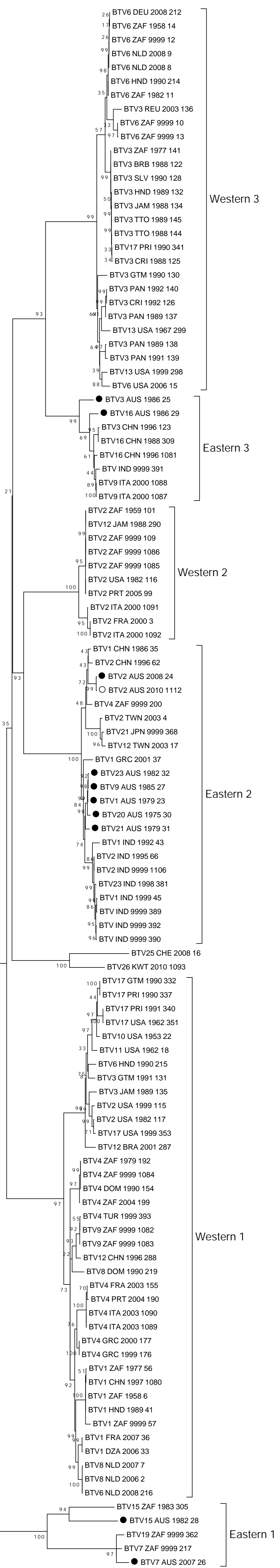


Fig. S6



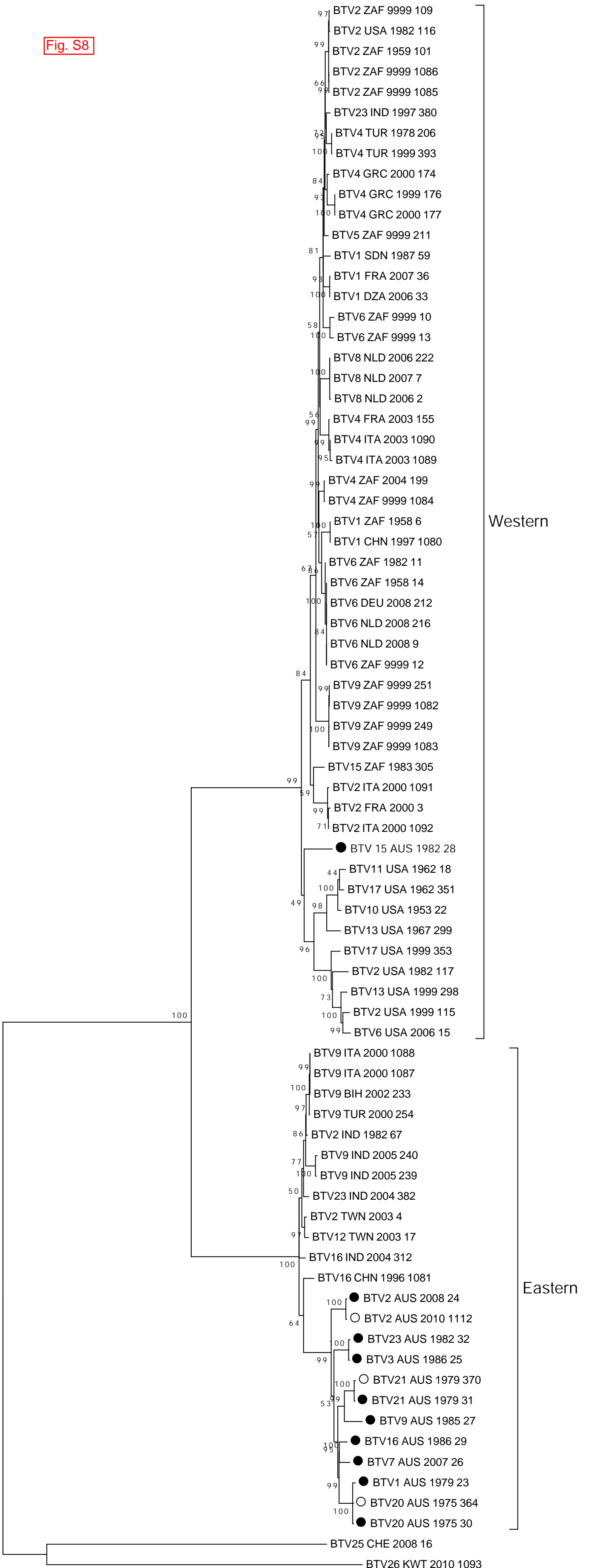
0.2

Fig. S7



0.2

Fig. S8

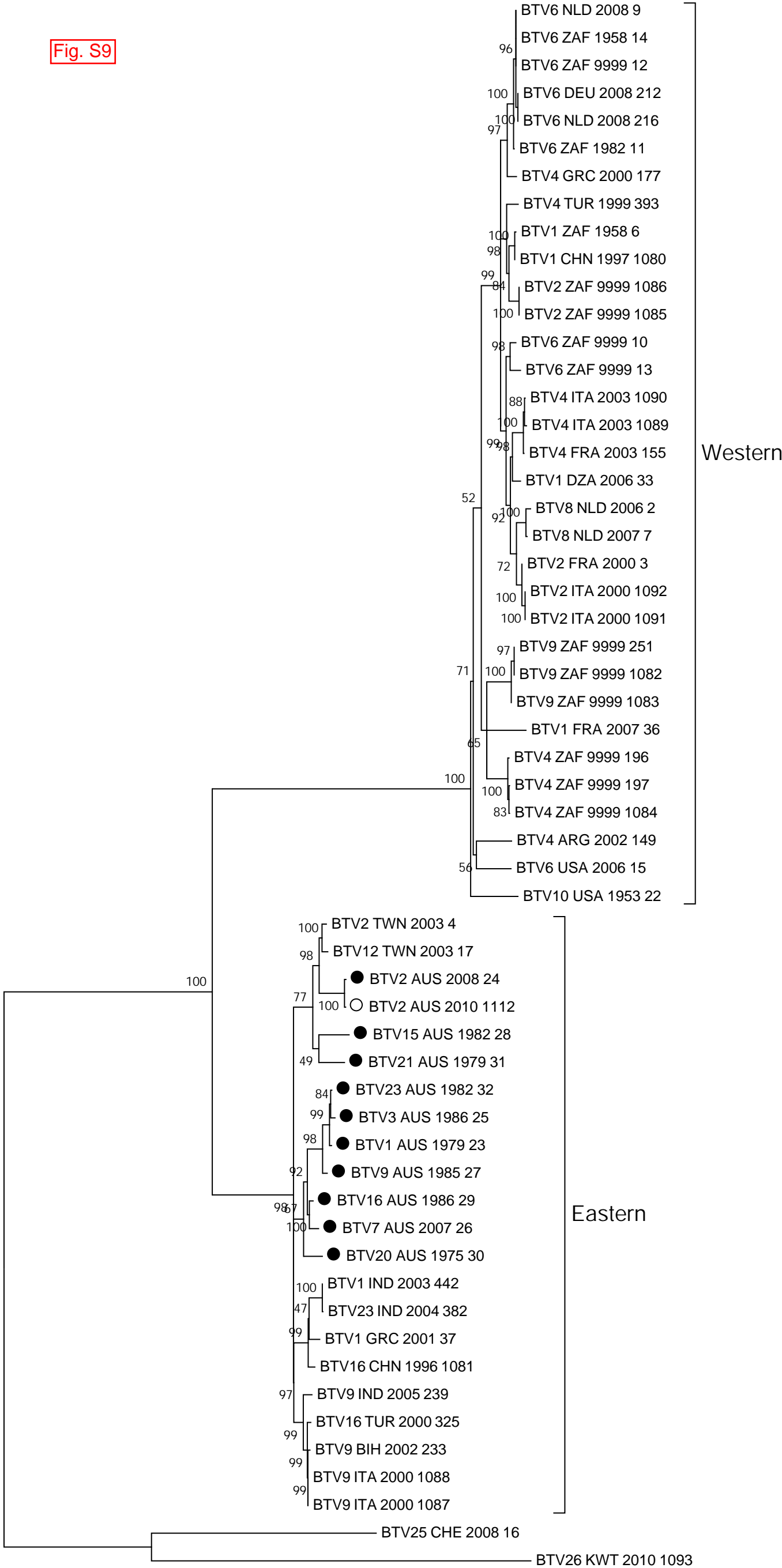


Western

Eastern

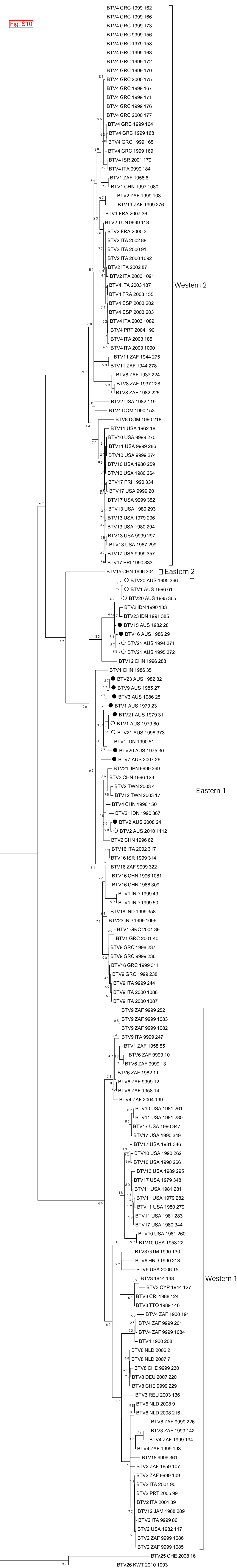
0.1

Fig. S9



0.1

Fig. S10



0.05