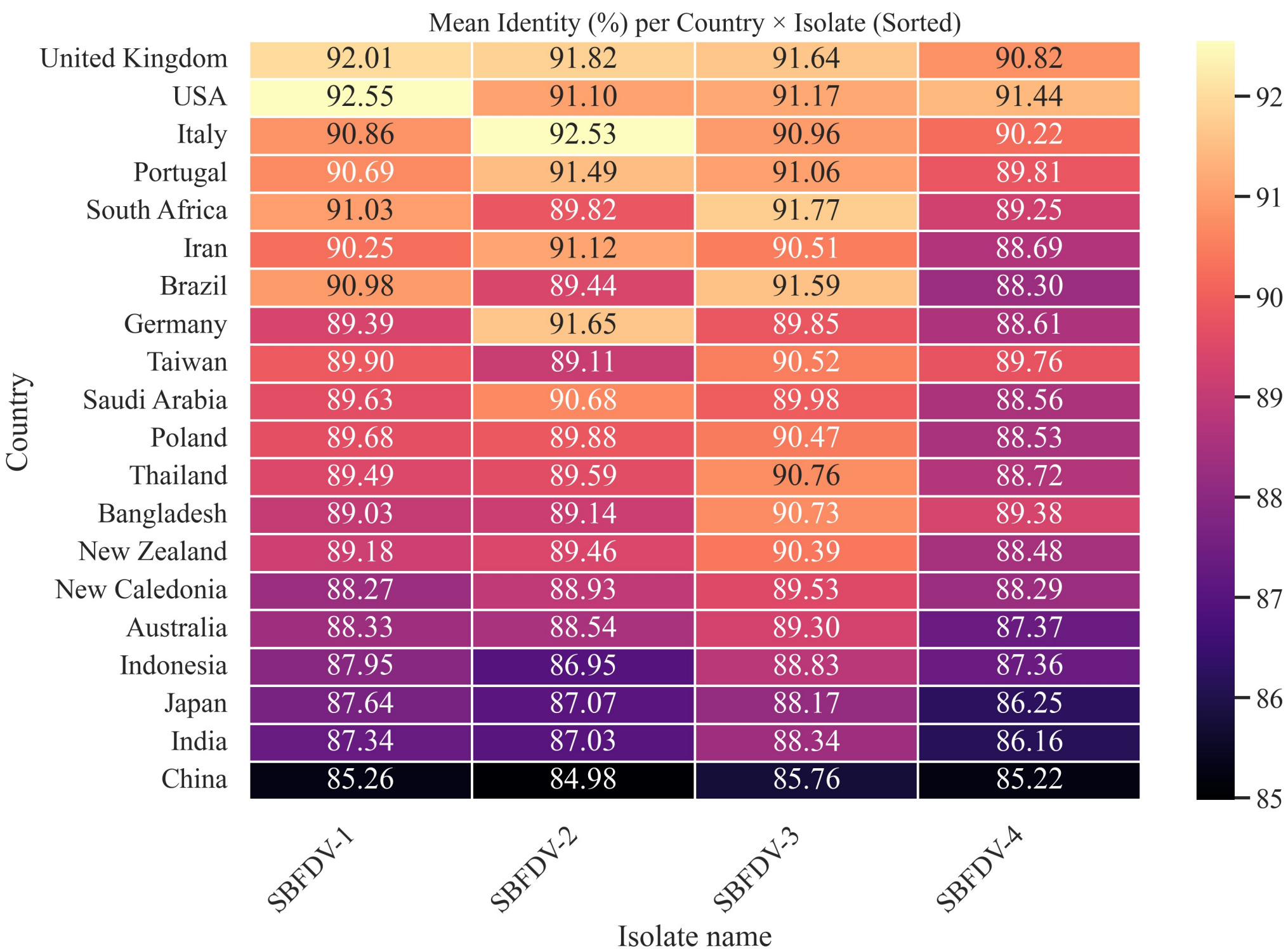
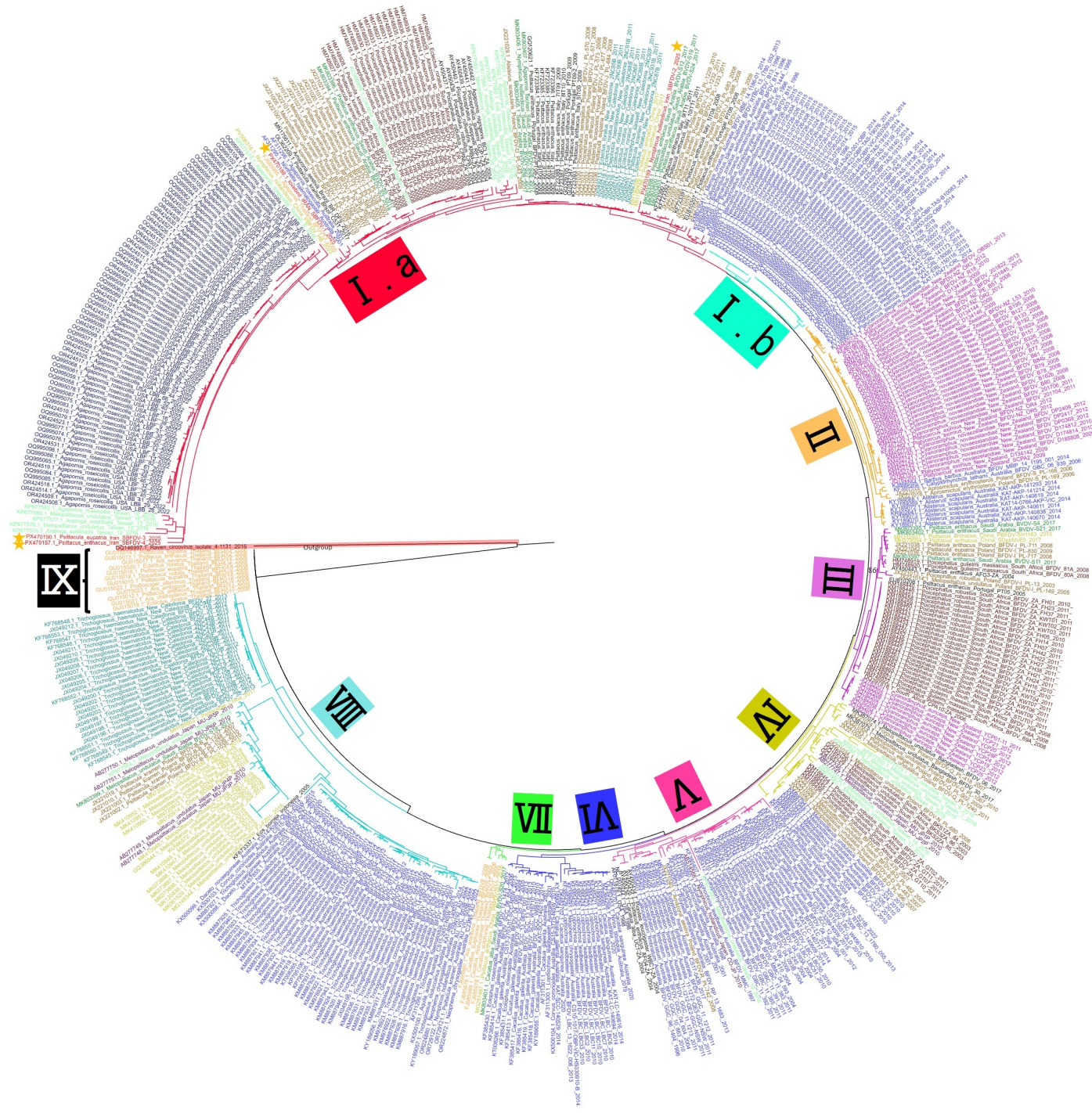
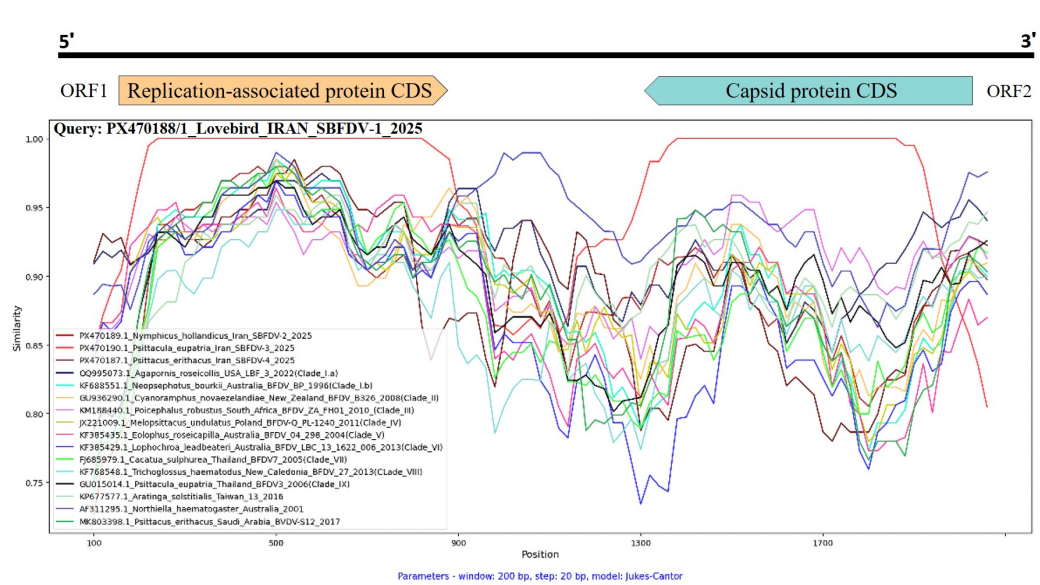
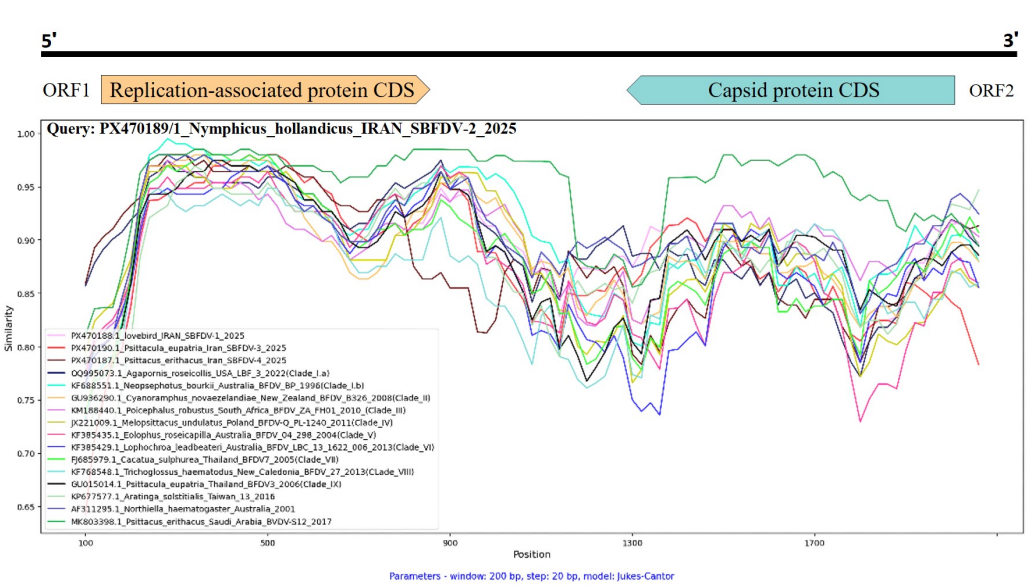

Mean Identity (%) per Country × Isolate (Sorted)
United Kingdom 92.01 91.82 91.64 90.82
USA 92.55 91.10 91.17 91.44
Italy 90.86 92.53 90.96 90.22
Portugal 90.69 91.49 91.06 89.81
South Africa 91.03 89.82 91.77 89.25
Iran 90.25 91.12 90.51 88.69
Brazil 90.98 89.44 91.59 88.30
Germany 89.39 91.65 89.85 88.61
Taiwan 89.90 89.11 90.52 89.76
Saudi Arabia 89.63 90.68 89.98 88.56
Poland 89.68 89.88 90.47 88.53
Thailand 89.49 89.59 90.76 88.72
Bangladesh 89.03 89.14 90.73 89.38
New Zealand 89.18 89.46 90.39 88.48
New Caledonia 88.27 88.93 89.53 88.29
Australia 88.33 88.54 89.30 87.37
Indonesia 87.95 86.95 88.83 87.36
Japan 87.64 87.07 88.17 86.25
India 87.34 87.03 88.34 86.16
China 85.26 84.98 85.76 85.22
Country
SBFDV-1
SBFDV-2
SBFDV-3
SBFDV-4
Isolate name
92
91
90
89
88
87
86
85


I.a
I.b
II
III
IV
V
VI
VII
VIII
IX
Outgroup


5'
3'
ORF1
Replication-associated protein CDS
Capsid protein CDS
ORF2
Query: PX470188/1_Lovebird_IRAN_SBFDV-1_2025
Similarity
Position
PX470189.1_Nymphicus_hollandicus_Iran_SBFDV-2_2025
PX470190.1_Psittacula_eupatria_Iran_SBFDV-3_2025
PX470187.1_Psittacus_erithacus_Iran_SBFDV-4_2025
OQ995073.1_Agapornis_roseicollis_USA_LBF_3_2022(Clade_I.a)
KF688551.1_Neopsephotus_bourkii_Australia_BFDV_BP_1996(Clade_I.b)
GU936290.1_Cyanoramphus_novaezelandiae_New_Zealand_BFDV_B326_2008(Clade_II)
KM188440.1_Poicephalus_robustus_South_Africa_BFDV_ZA_FH01_2010_(Clade_III)
JX221009.1_Melopsittacus_undulatus_Poland_BFDV-Q_PL-1240_2011(Clade_IV)
KF385435.1_Eolophus_roseicapilla_Australia_BFDV_04_298_2004(Clade_V)
KF385429.1_Lophochroa_leadbeateri_Australia_BFDV_LBC_13_1622_006_2013(Clade_VI)
FJ685979.1_Cacatua_sulphurea_Thailand_BFDV7_2005(Clade_VII)
KF768548.1_Trichoglossus_haematodus_New_Caledonia_BFDV_27_2013(CLade_VIII)
GU015014.1_Psittacula_eupatria_Thailand_BFDV3_2006(Clade_IX)
KP677577.1_Aratinga_solstitialis_Taiwan_13_2016
AF311295.1_Northiella_haematogaster_Australia_2001
MK803398.1_Psittacus_erithacus_Saudi_Arabia_BVDV-S12_2017
Parameters - window: 200 bp, step: 20 bp, model: Jukes-Cantor


5'
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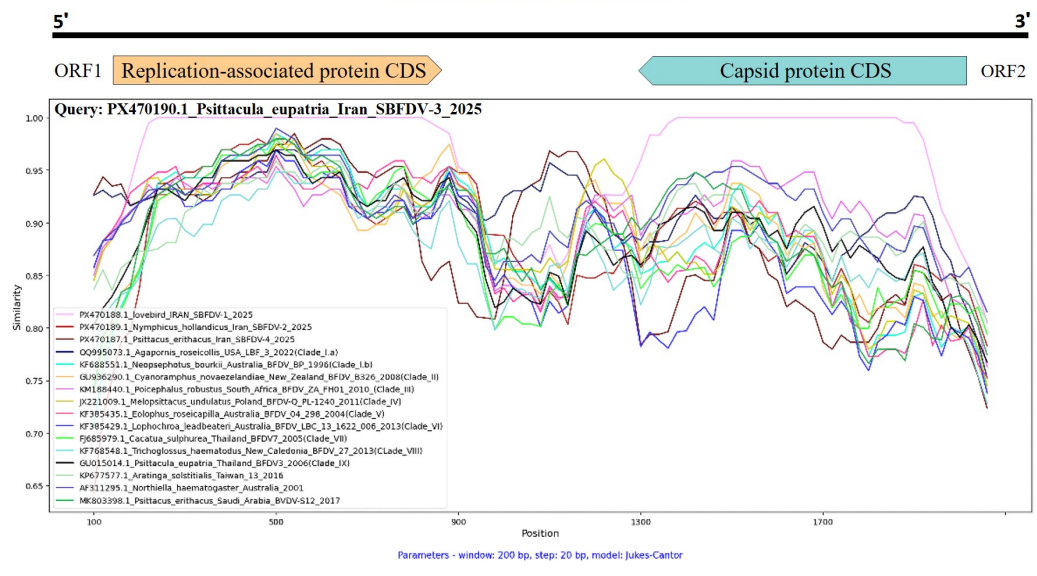
ORF1
Replication-associated protein CDS
Capsid protein CDS
ORF2
Query: PX470189/1_Nymphicus_hollandicus_IRAN_SBFDV-2_2025
Similarity
Position
PX470188.1_lovebird_IRAN_SBFDV-1_2025
PX470190.1_Psittacula_eupatria_Iran_SBFDV-3_2025
PX470187.1_Psittacus_erithacus_Iran_SBFDV-4_2025
OQ995073.1_Agapornis_roseicollis_USA_LBF_3_2022(Clade_I.a)
KF688551.1_Neopsephotus_bourkii_Australia_BFDV_BP_1996(Clade_I.b)
GU936290.1_Cyanoramphus_novaezelandiae_New_Zealand_BFDV_B326_2008(Clade_II)
KM188440.1_Poicephalus_robustus_South_Africa_BFDV_ZA_FH01_2010_(Clade_III)
JX221009.1_Melopsittacus_undulatus_Poland_BFDV-Q_PL-1240_2011(Clade_IV)
KF385435.1_Eolophus_roseicapilla_Australia_BFDV_04_298_2004(Clade_V)
KF385429.1_Lophochroa_leadbeateri_Australia_BFDV_LBC_13_1622_006_2013(Clade_VI)
FJ685979.1_Cacatua_sulphurea_Thailand_BFDV7_2005(Clade_VII)
KF768548.1_Trichoglossus_haematodus_New_Caledonia_BFDV_27_2013(CLade_VIII)
GU015014.1_Psittacula_eupatria_Thailand_BFDV3_2006(Clade_IX)
KP677577.1_Aratinga_solstitialis_Taiwan_13_2016
AF311295.1_Northiella_haematogaster_Australia_2001
MK803398.1_Psittacus_erithacus_Saudi_Arabia_BVDV-S12_2017
Parameters - window: 200 bp, step: 20 bp, model: Jukes-Cantor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ORF1
Replication-associated protein CDS
Capsid protein CDS
ORF2
Query: PX470190.1_Psittacula_eupatria_Iran_SBFDV-3_2025
Similarity
Position
PX470188.1_lovebird_IRAN_SBFDV-1_2025
PX470189.1_Nymphicus_hollandicus_Iran_SBFDV-2_2025
PX470187.1_Psittacus_erithacus_Iran_SBFDV-4_2025
OQ995073.1_Agapornis_roseicollis_USA_LBF_3_2022(Clade_I.a)
KF688551.1_Neopsephotus_bourkii_Australia_BFDV_BP_1996(Clade_I.b)
GU936290.1_Cyanoramphus_novaezelandiae_New_Zealand_BFDV_B326_2008(Clade_II)
KM188440.1_Poicephalus_robustus_South_Africa_BFDV_ZA_FH01_2010_(Clade_III)
JX221009.1_Melopsittacus_undulatus_Poland_BFDV-Q_PL-1240_2011(Clade_IV)
KF385435.1_Eolophus_roseicapilla_Australia_BFDV_04_298_2004(Clade_V)
KF385429.1_Lophochroa_leadbeateri_Australia_BFDV_LBC_13_1622_006_2013(Clade_VI)
FJ685979.1_Cacatua_sulphurea_Thailand_BFDV7_2005(Clade_VII)
KF768548.1_Trichoglossus_haematodus_New_Caledonia_BFDV_27_2013(CLade_VIII)
GU015014.1_Psittacula_eupatria_Thailand_BFDV3_2006(Clade_IX)
KP677577.1_Aratinga_solstitialis_Taiwan_13_2016
AF311295.1_Northiella_haematogaster_Australia_2001
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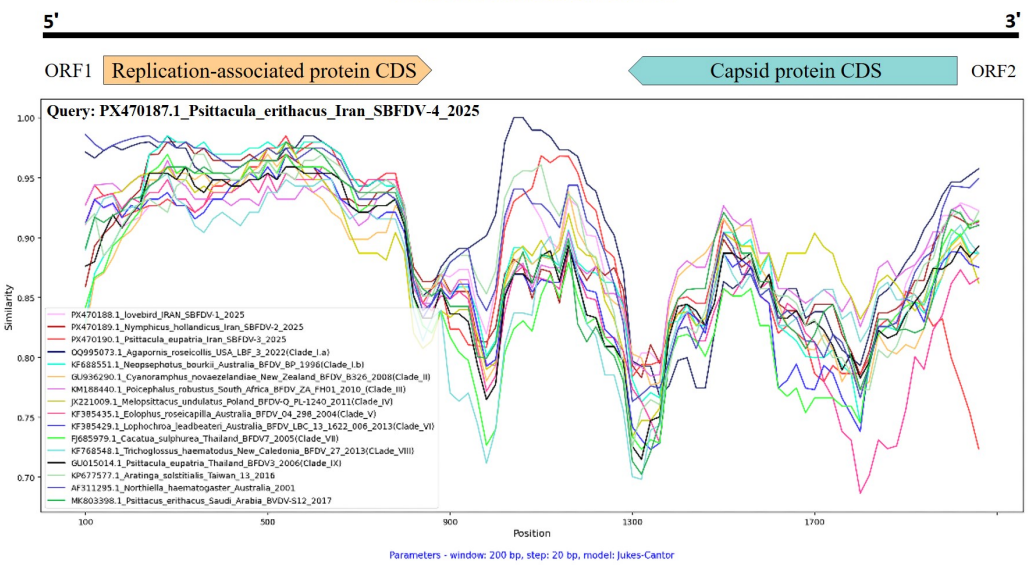
Parameters - window: 200 bp, step: 20 bp, model: Jukes-Cantor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ORF1
Replication-associated protein CDS
Capsid protein CDS
ORF2
Query: PX470187.1_Psittacula_erithacus_Iran_SBFDV-4_2025
Similarity
Position
PX470188.1_lovebird_IRAN_SBFDV-1_2025
PX470189.1_Nymphicus_hollandicus_Iran_SBFDV-2_2025
PX470190.1_Psittacula_eupatria_Iran_SBFDV-3_2025
OQ995073.1_Agapornis_roseicollis_USA_LBF_3_2022(Clade_I.a)
KF688551.1_Neopsephotus_bourkii_Australia_BFDV_BP_1996(Clade_I.b)
GU936290.1_Cyanoramphus_novaezelandiae_New_Zealand_BFDV_B326_2008(Clade_II)
KM188440.1_Poicephalus_robustus_South_Africa_BFDV_ZA_FH01_2010_(Clade_III)
JX221009.1_Melopsittacus_undulatus_Poland_BFDV-Q_PL-1240_2011(Clade_IV)
KF385435.1_Eolophus_roseicapilla_Australia_BFDV_04_298_2004(Clade_V)
KF385429.1_Lophochroa_leadbeateri_Australia_BFDV_LBC_13_1622_006_2013(Clade_VI)
FJ685979.1_Cacatua_sulphurea_Thailand_BFDV7_2005(Clade_VII)
KF768548.1_Trichoglossus_haematodus_New_Caledonia_BFDV_27_2013(CLade_VIII)
GU015014.1_Psittacula_eupatria_Thailand_BFDV3_2006(Clade_IX)
KP677577.1_Aratinga_solstitialis_Taiwan_13_2016
AF311295.1_Northiella_haematogaster_Australia_2001
MK803398.1_Psittacus_erithacus_Saudi_Arabia_BVDV-S12_2017
Parameters - window: 200 bp, step: 20 bp, model: Jukes-Cantor