

Figure S1

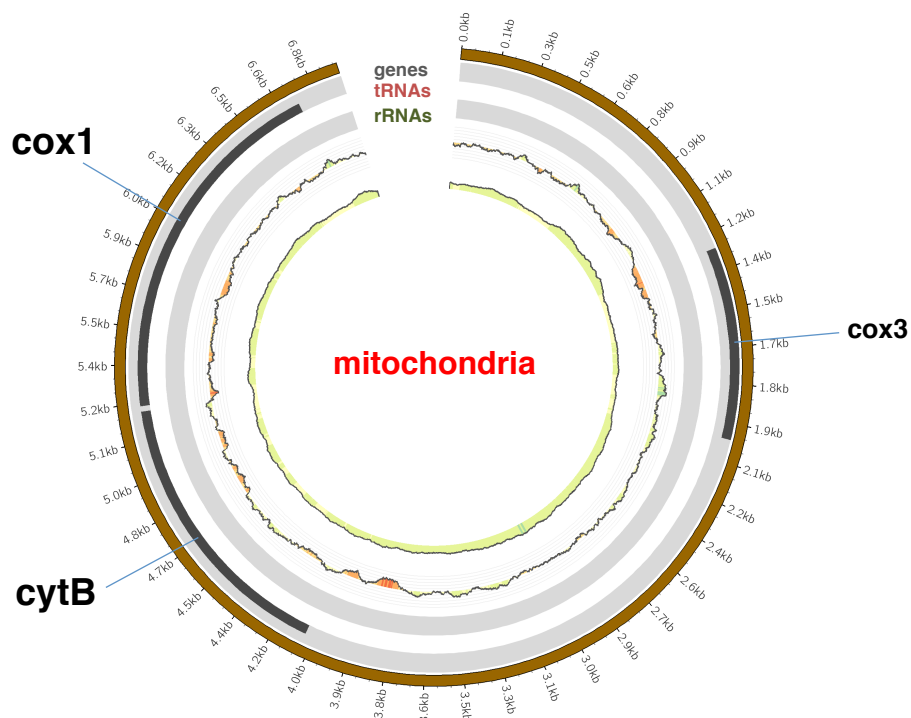
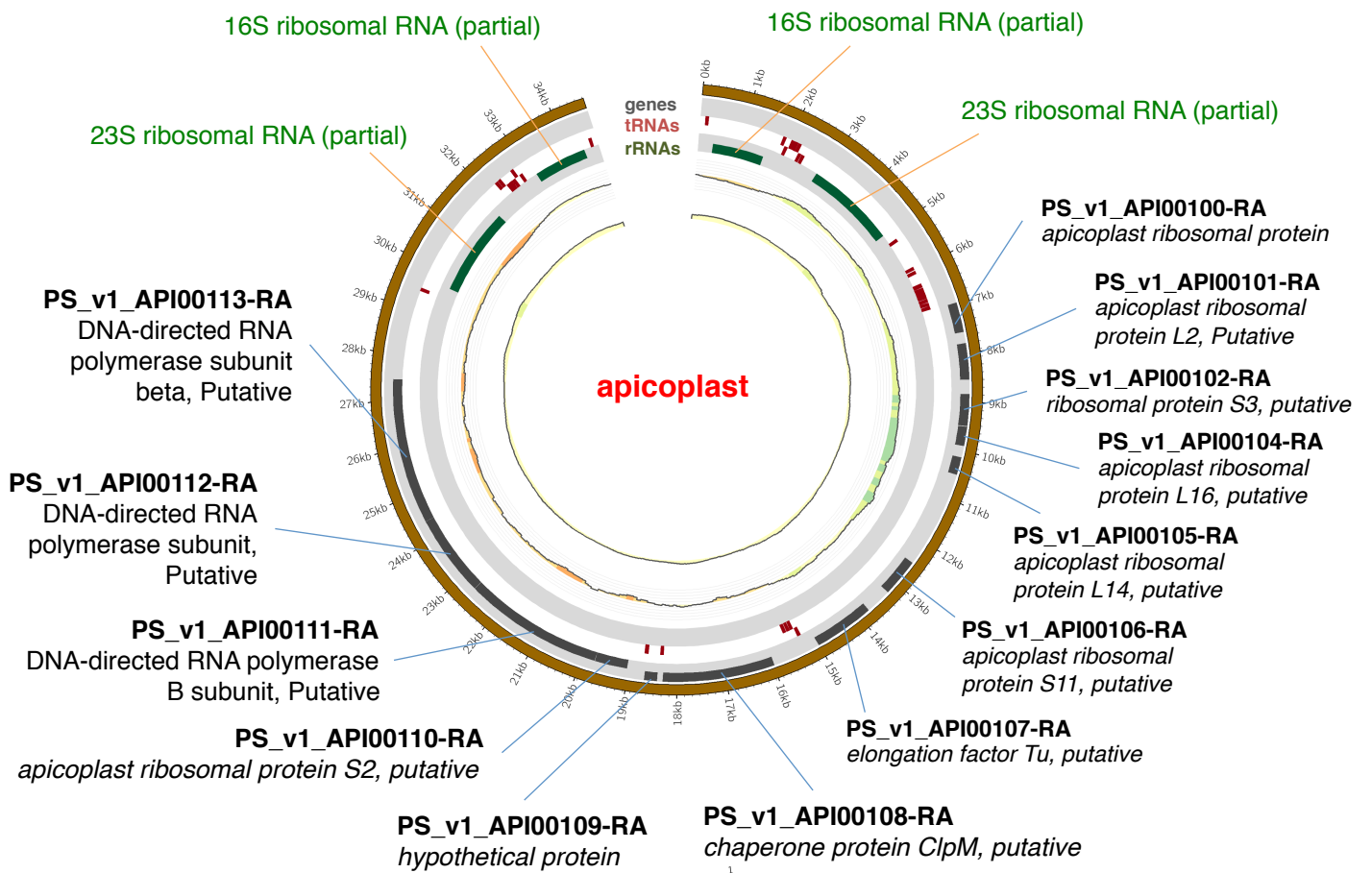


Figure S2

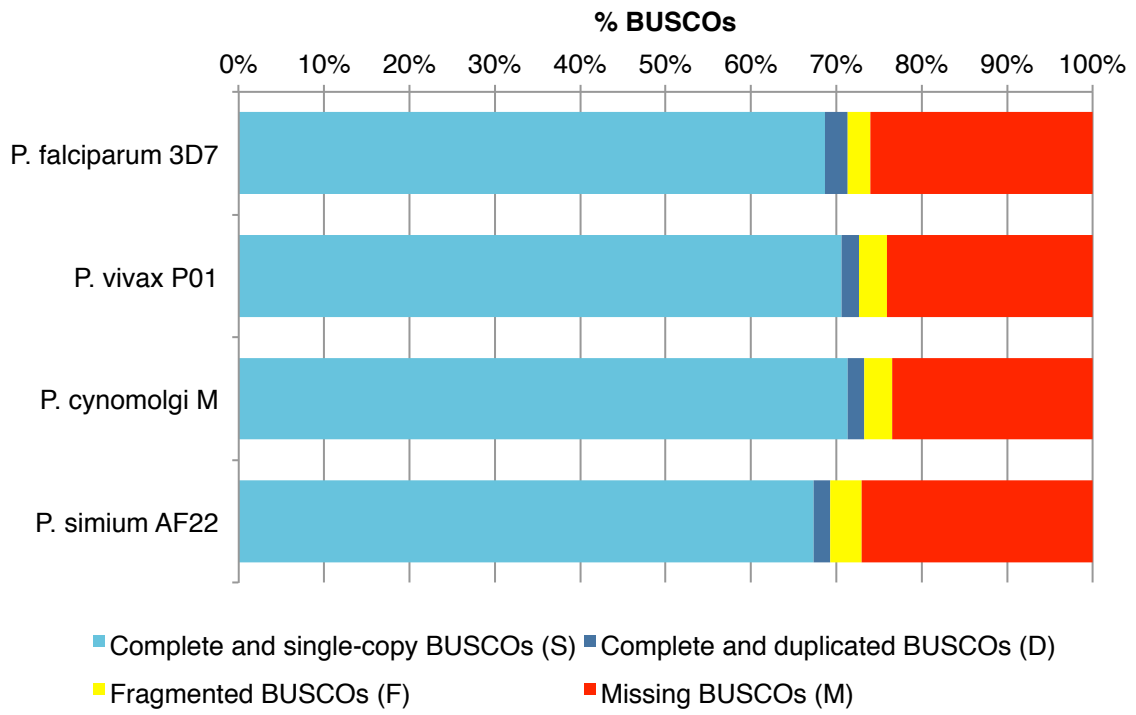
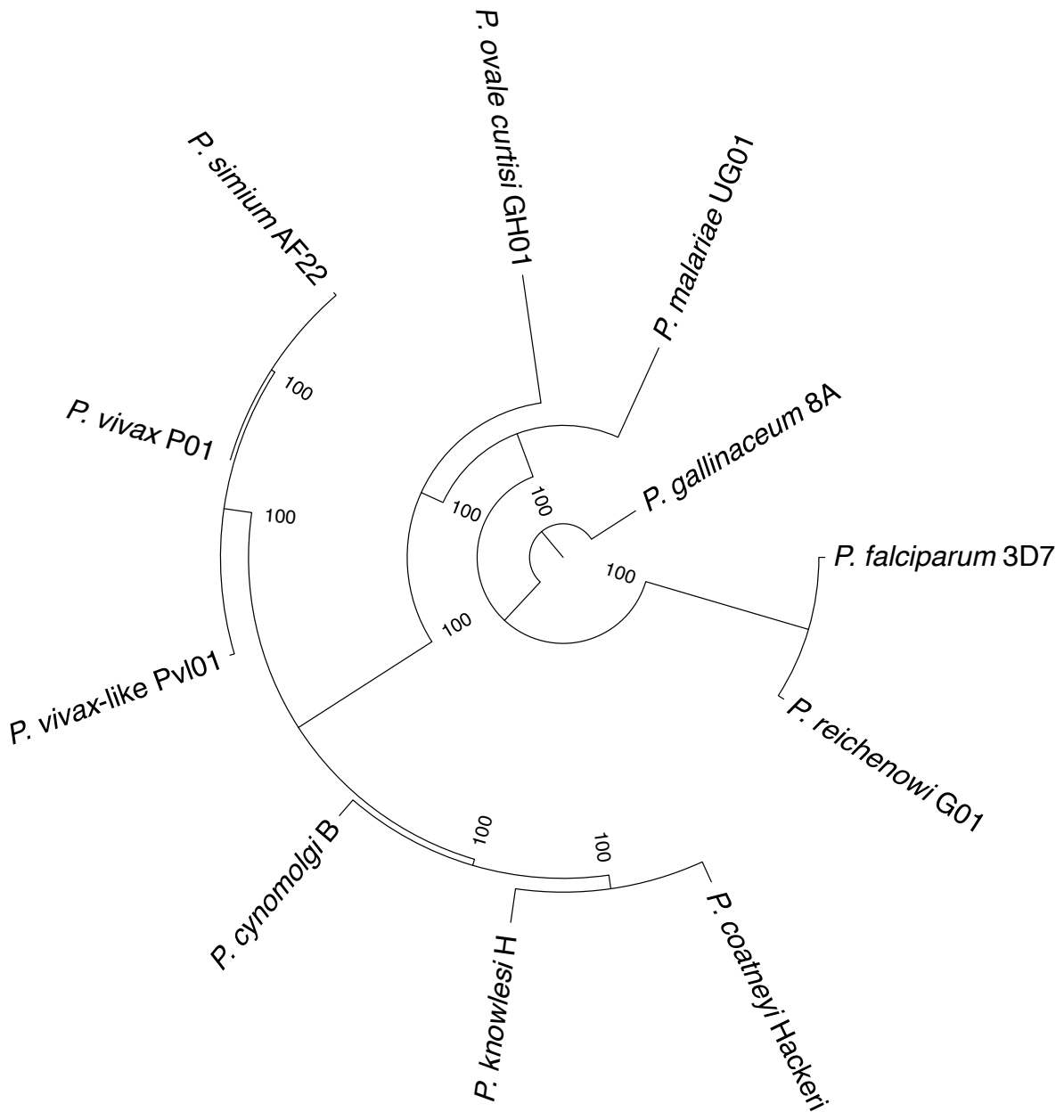


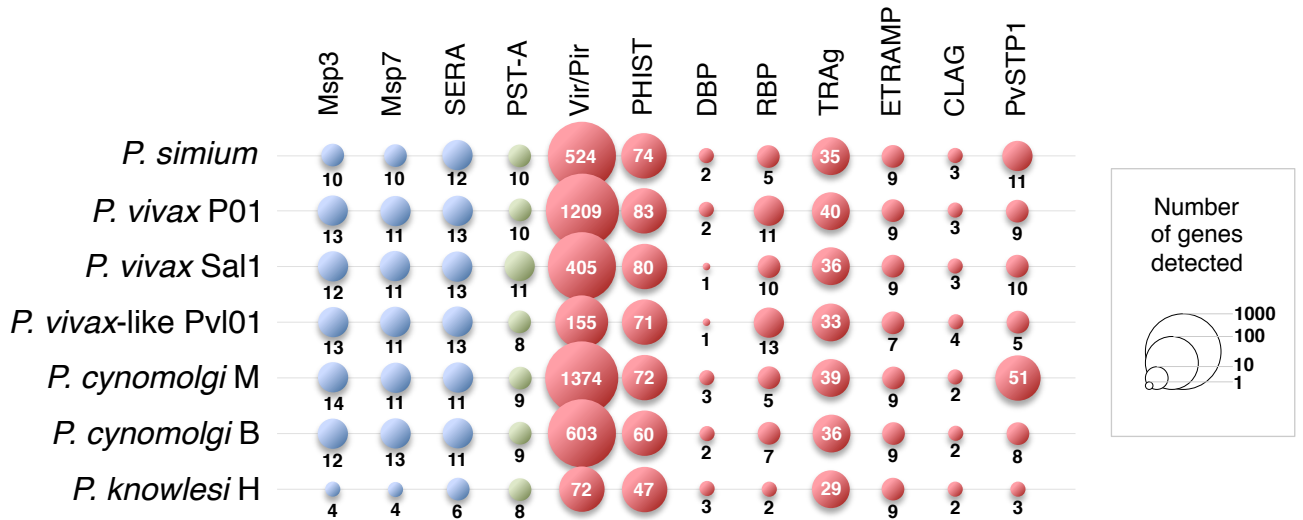
Figure S3



0.09

Figure S4

A



B

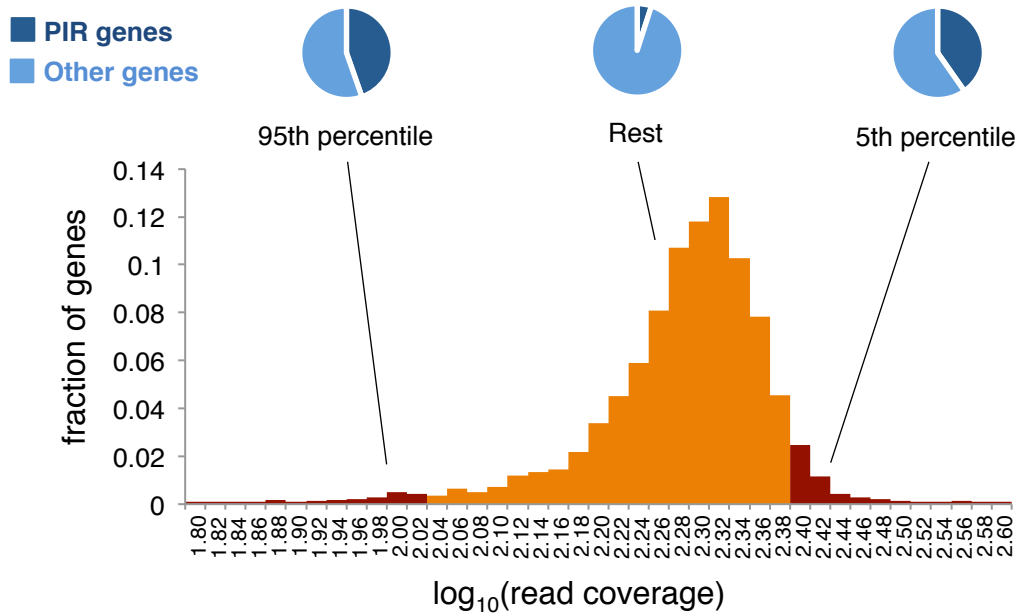


Figure S5

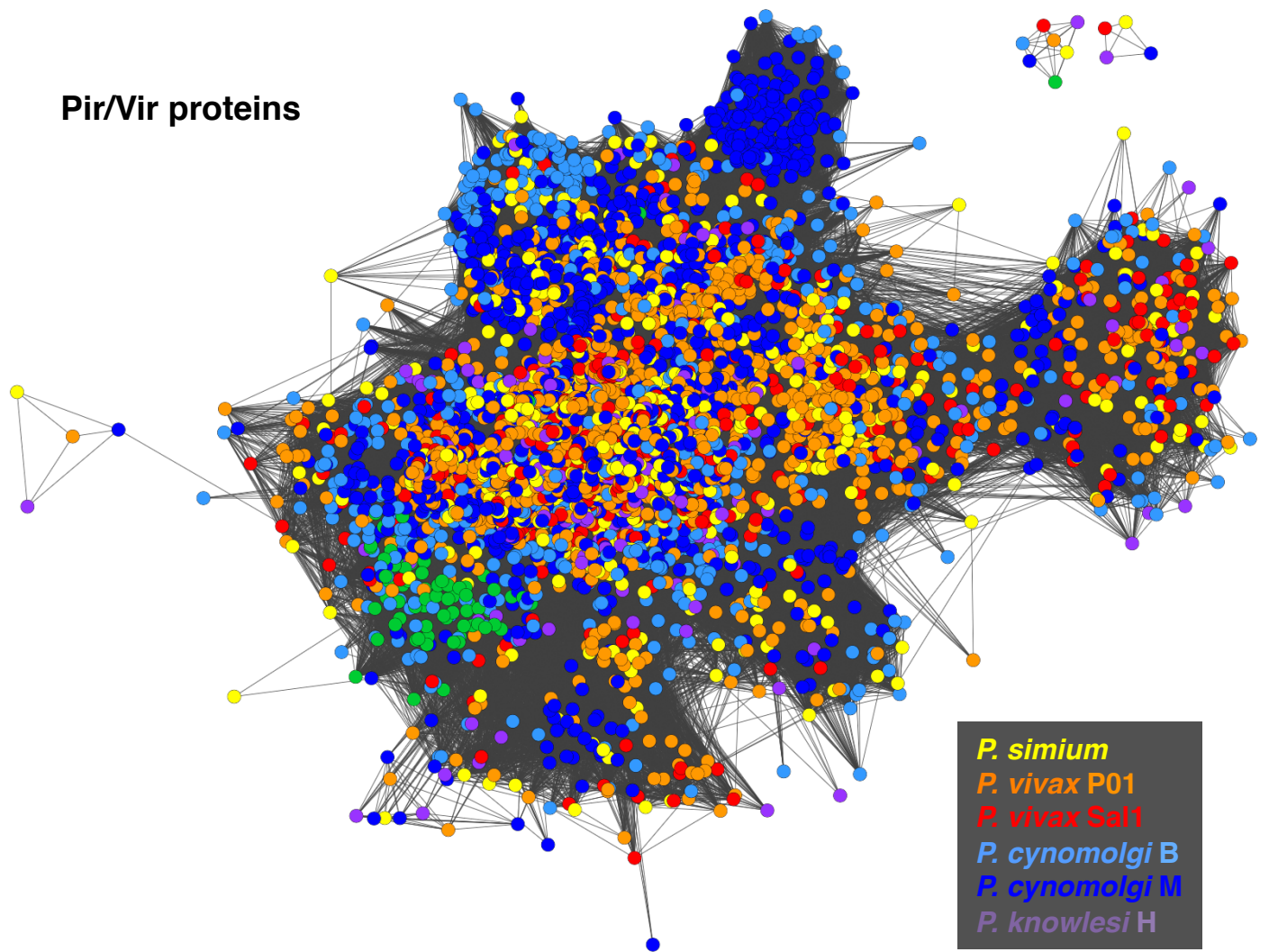


Figure S6

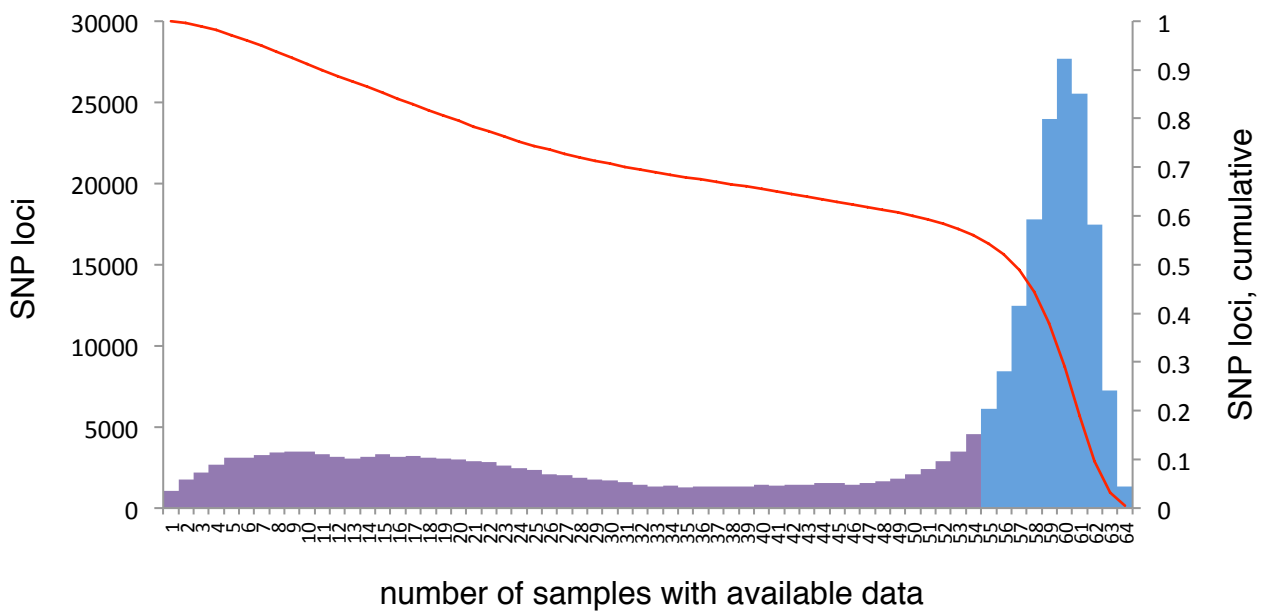
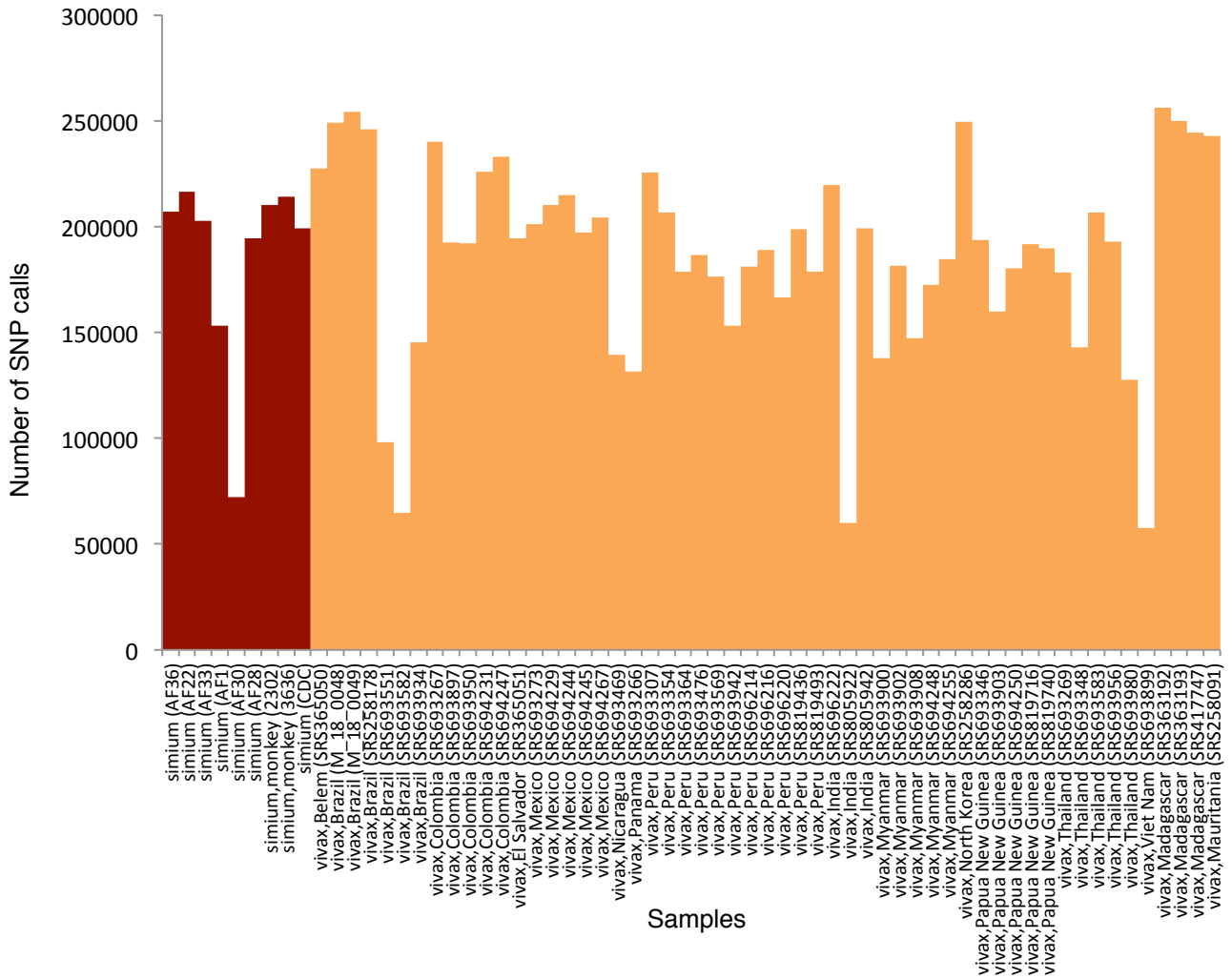
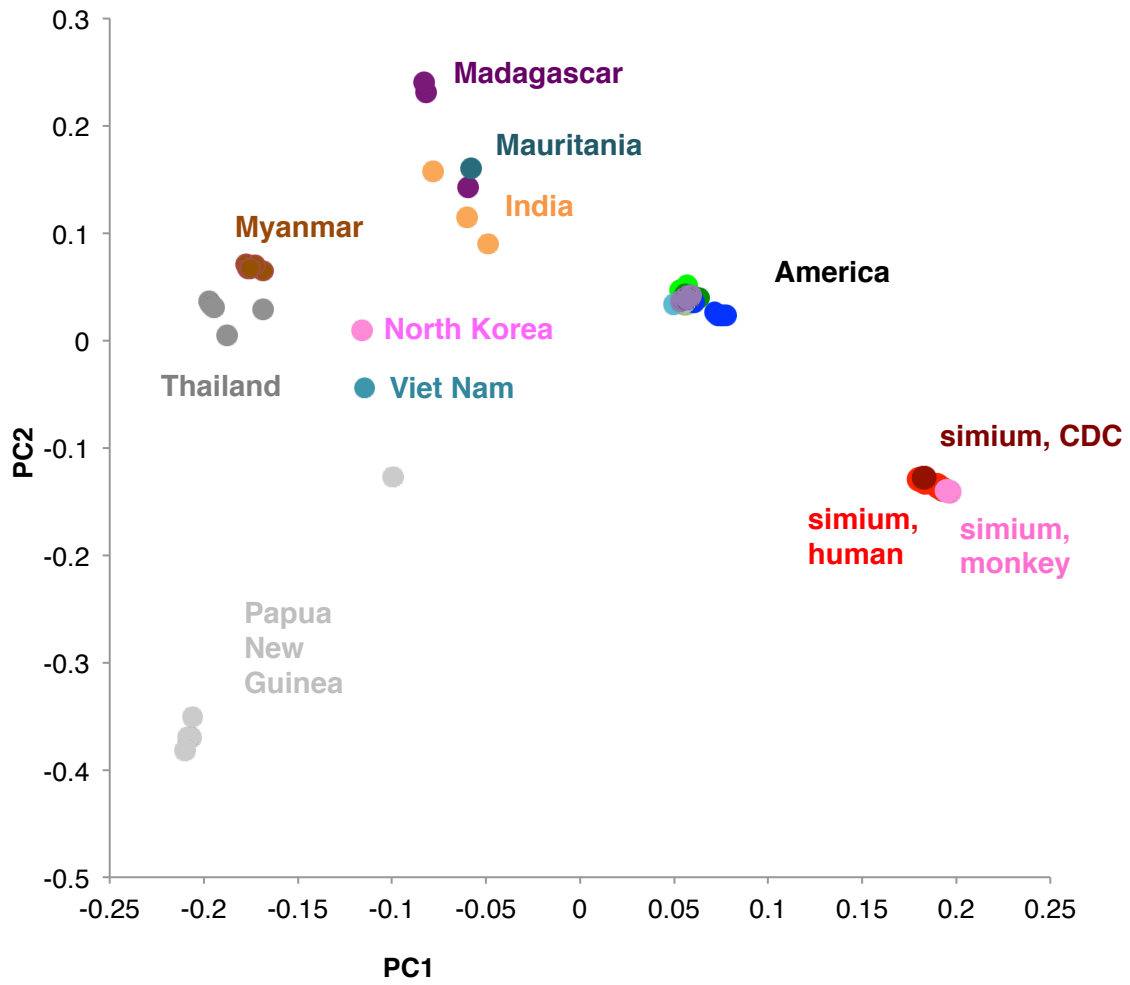
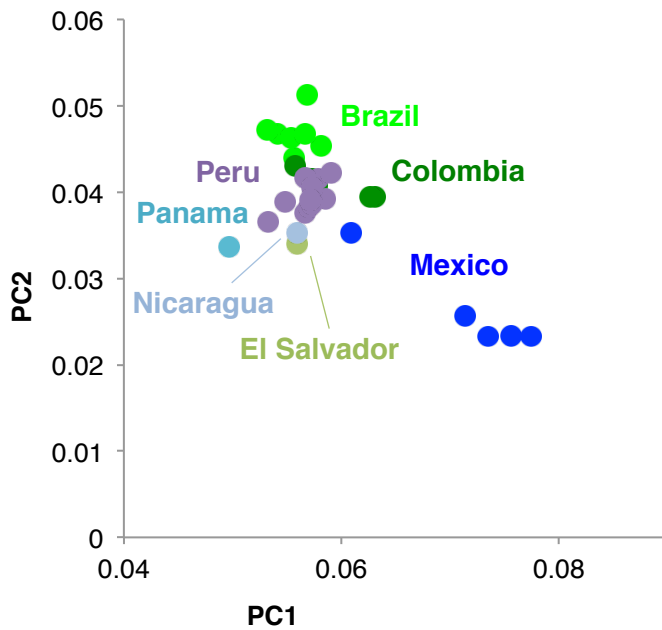


Figure S7

A



B



C

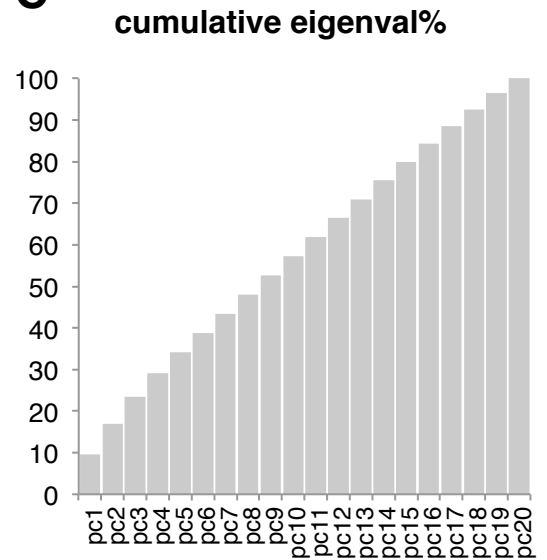


Figure S8

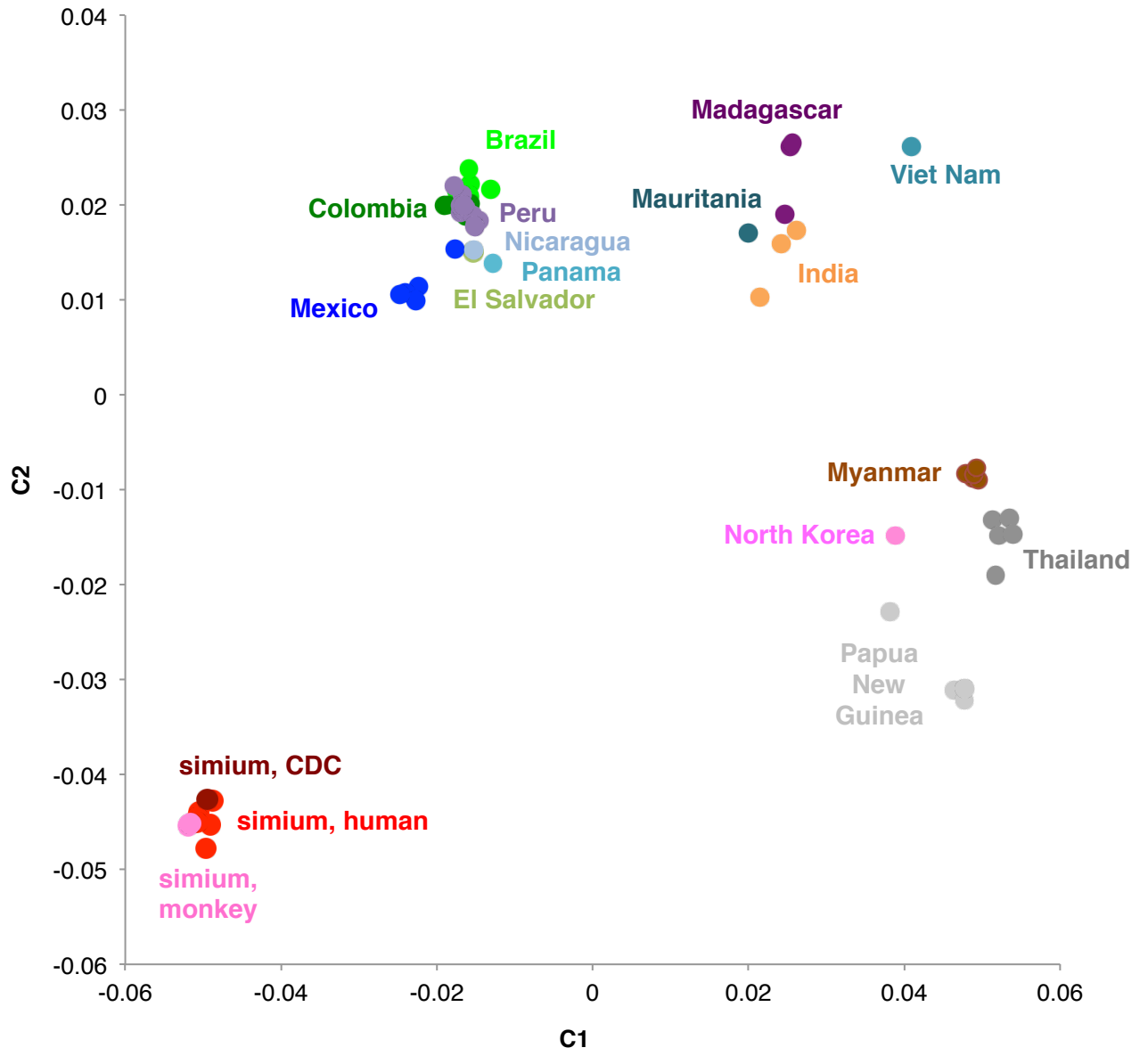
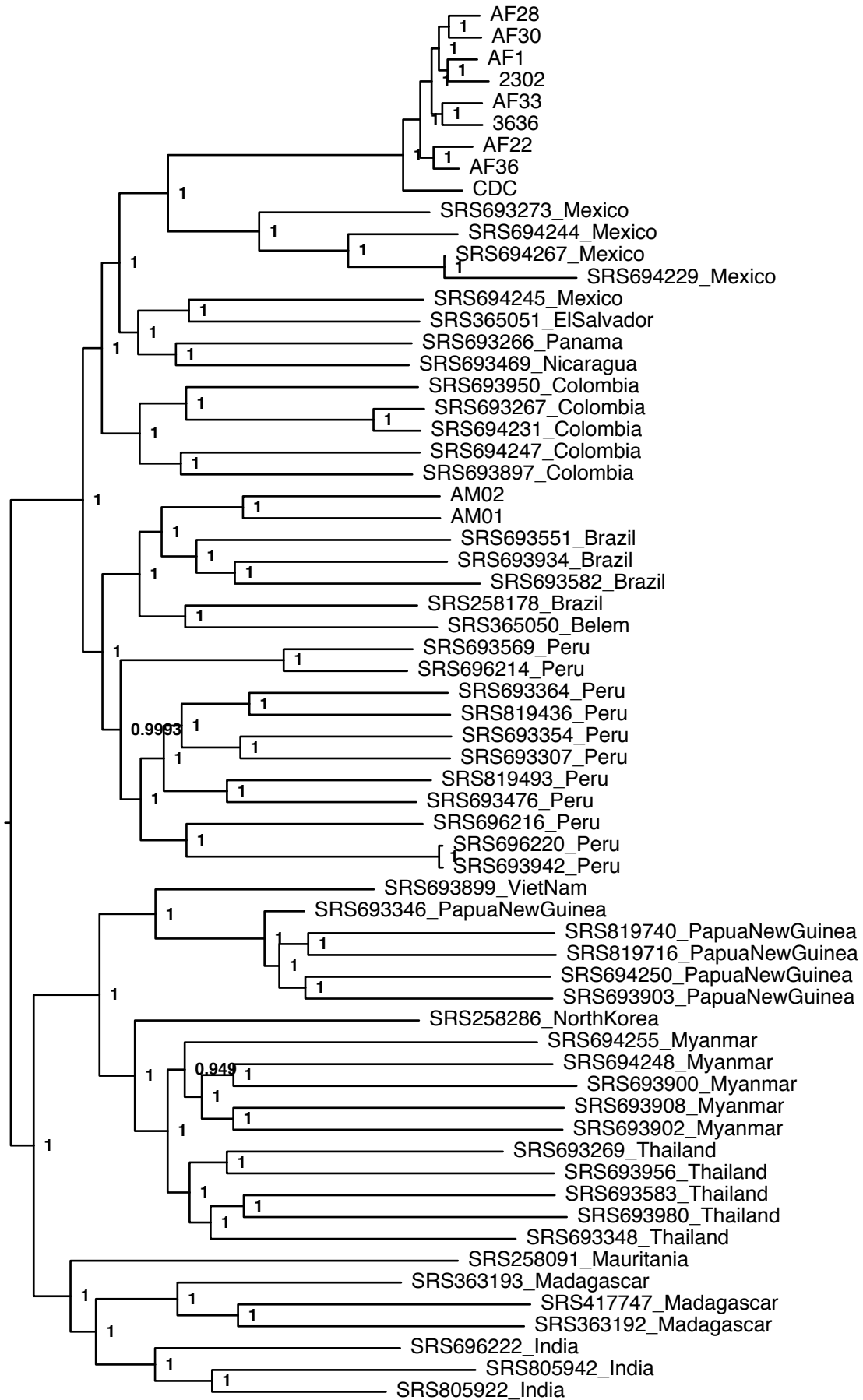


Figure S9



0.02

Figure S10

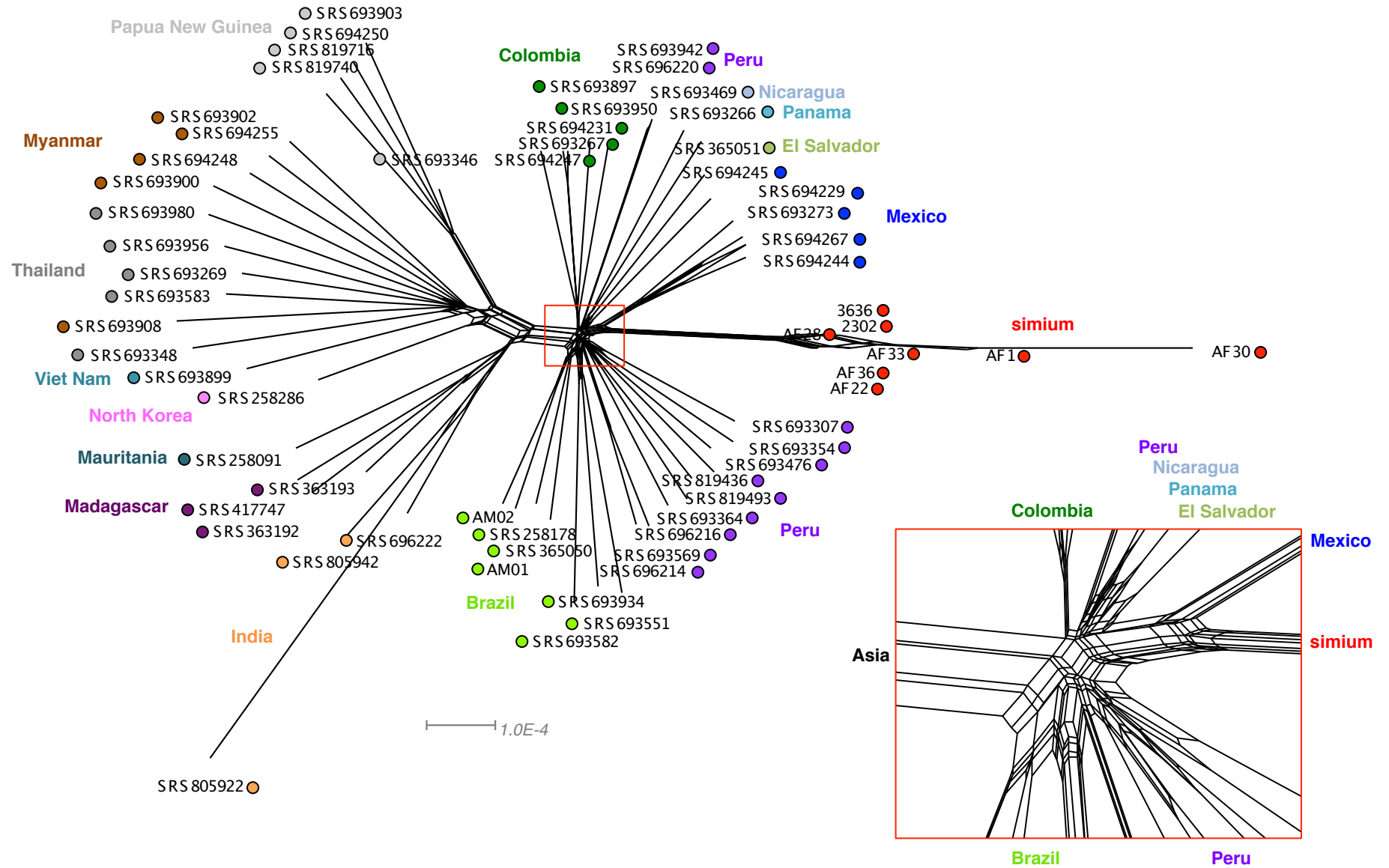


Figure S12

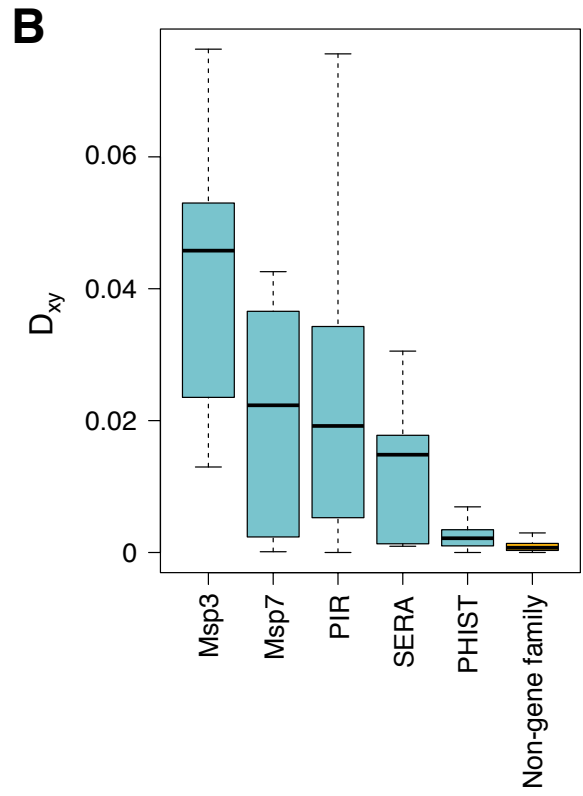
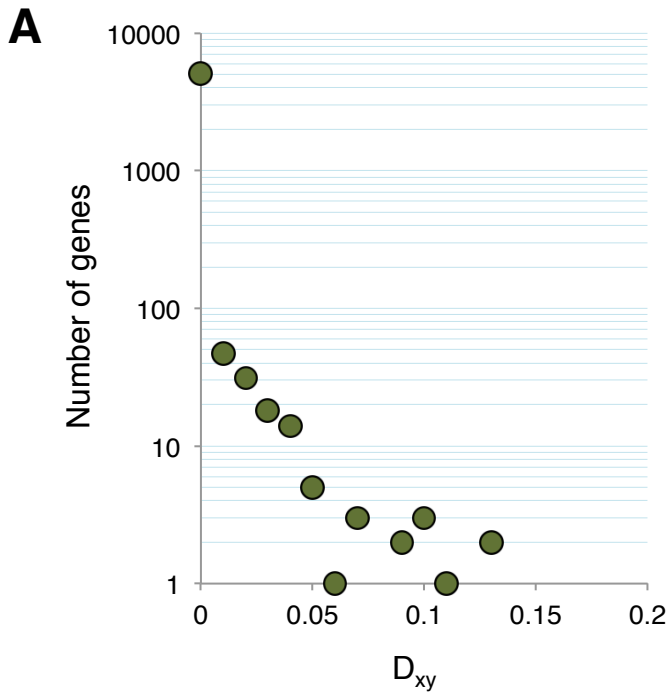


Figure S13

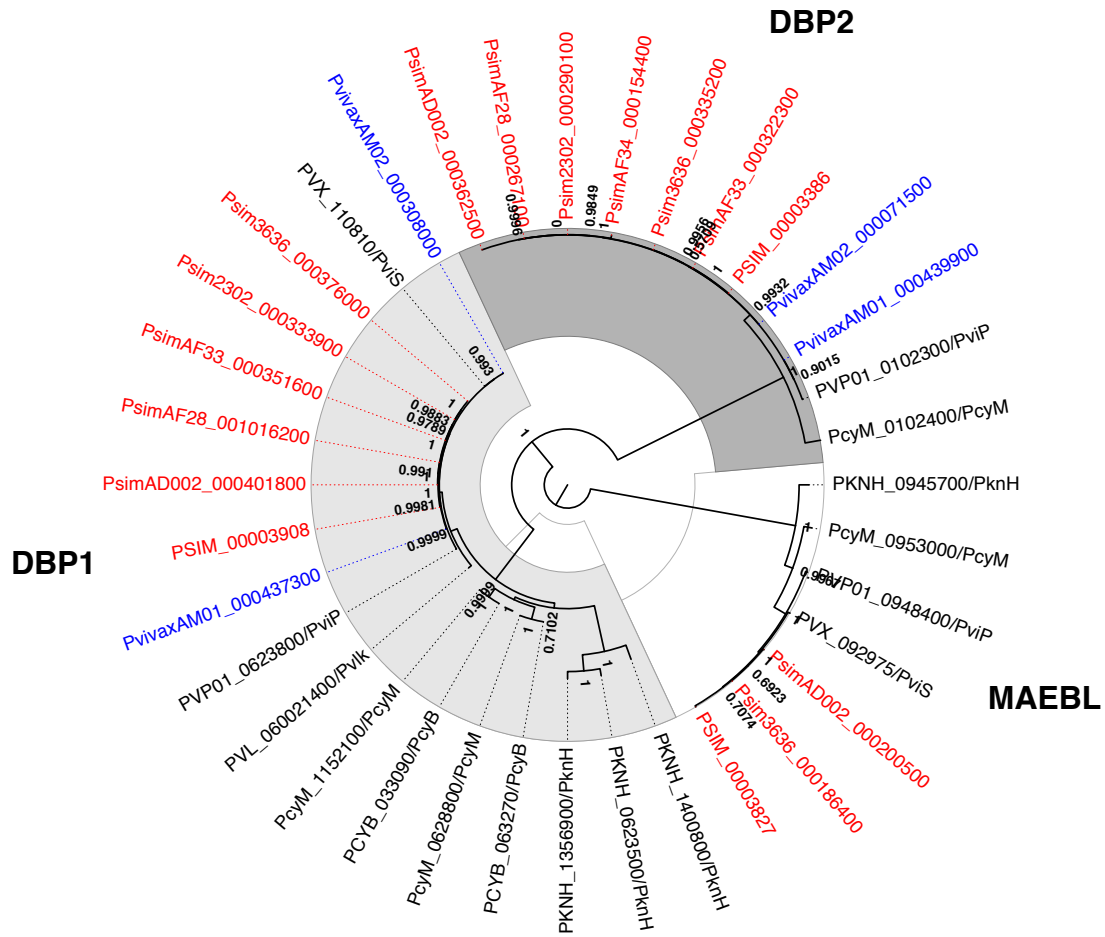


Figure S15

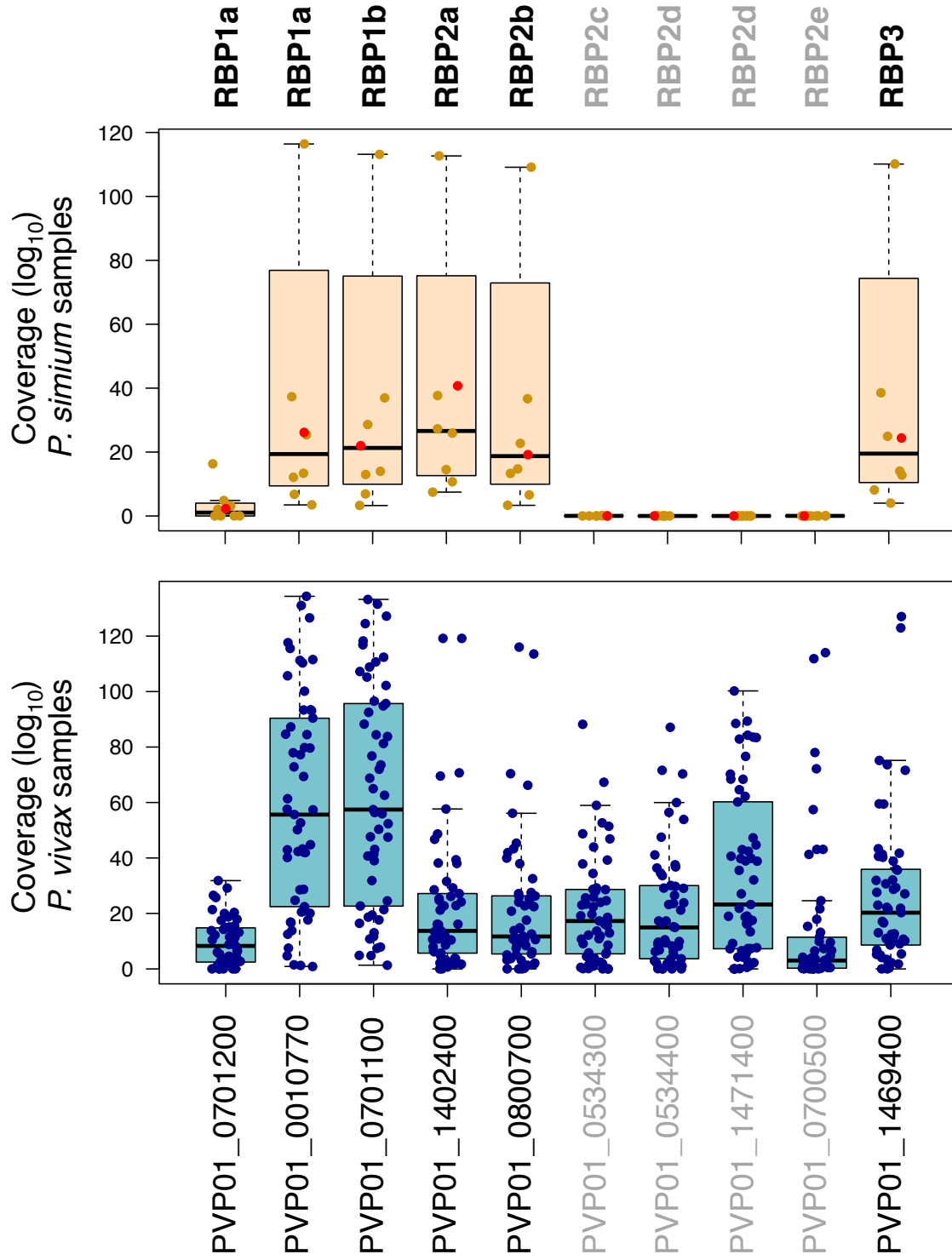


Figure S16

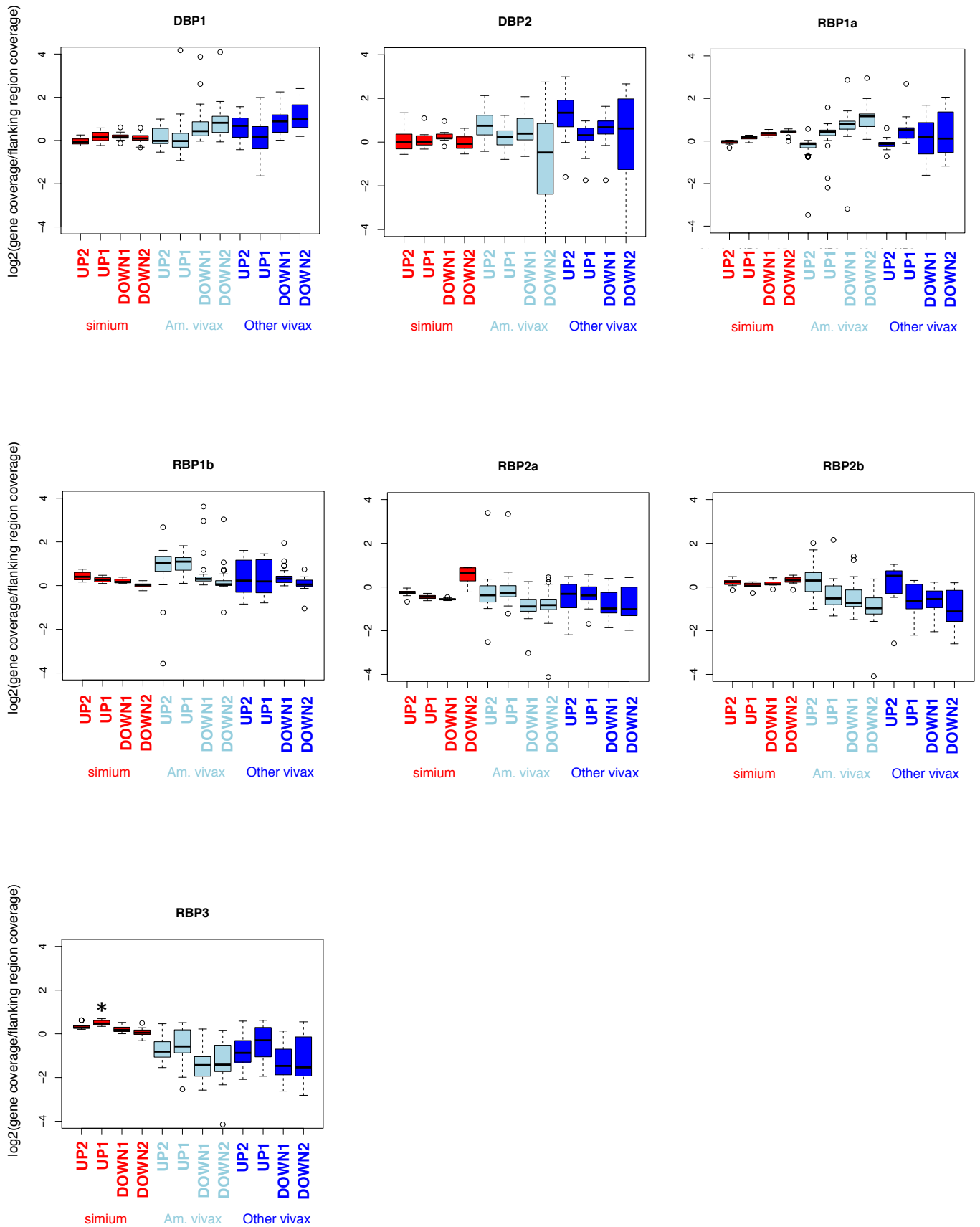


Figure S18

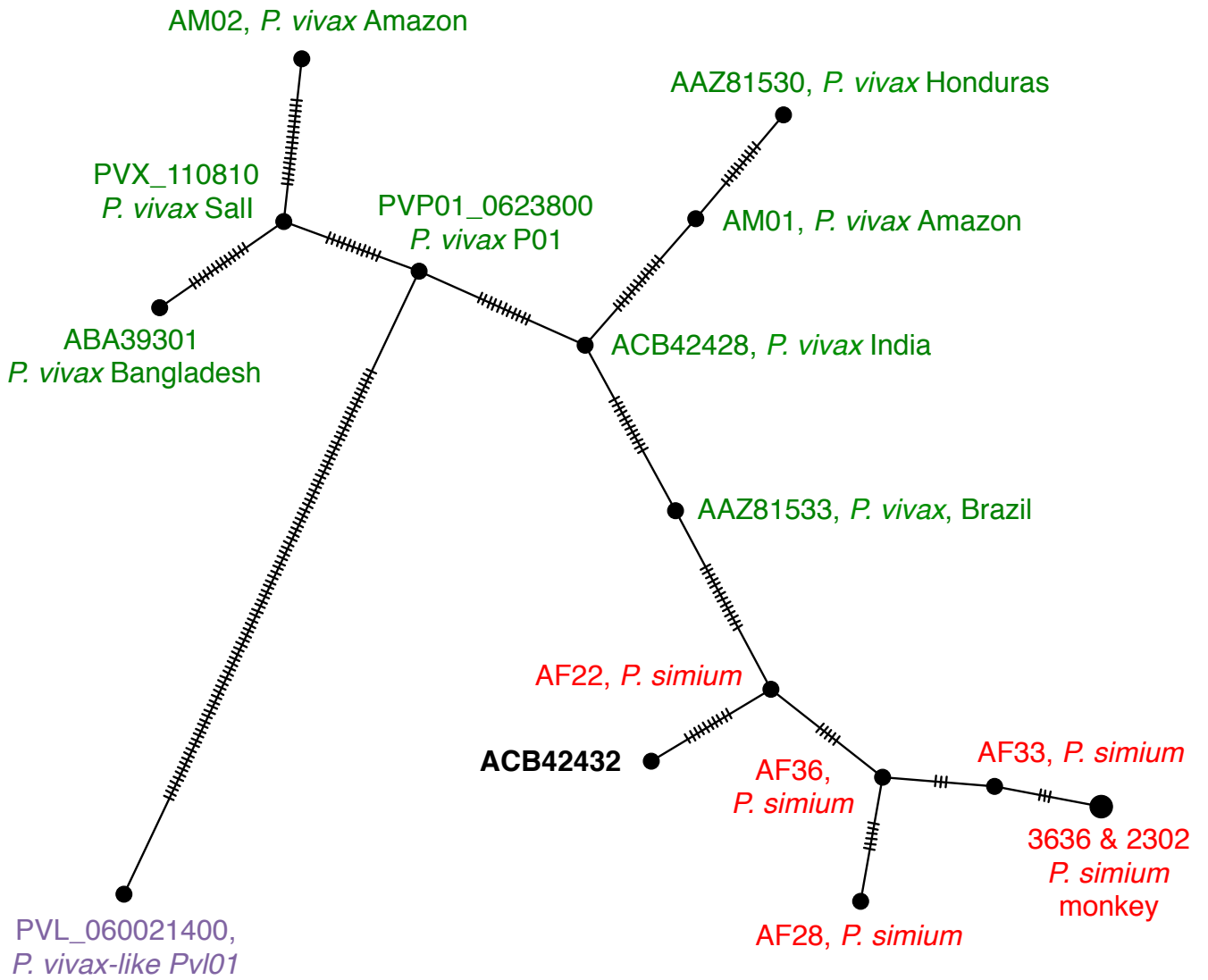


Figure S19

simium GGTAACCCCTATAATGGTTT-----GGGGCAAGATAATGAT
vivax 1, P01 GGTAACCCCTATAATGGTTTGGGGCATTGAAAGACAATAGTGATAGCGATGGACCTGCGAATTTGCAGAATCTACGAAATCTGCGGAATCAATGGCGAATCCTGATTCAAATAGTAAAGGTGAGACGGGAAAGGGGCAAGATAATGAT
vivax 2, SalI GGTAACCCCTATAATGGTTTGGGGCATTGAAAGACAATAGTGATAGCGATGGAC-----CTCGGAATCAATGGCGAATCCTGATTCAAATAGTAAAGGTGAGACGGGAAAGGGGCAAGATAATGAT
vivax 3, GGTAACCCCTATAATGGTTTGGGGCATTGAAAGACAATAGT-----GATGGACCTGCGAATTTGCAGAATCTACGAAATCTGCGGAATCAATGGCGAATCCTGATTCAAATAGTAAAGGTGAGACGGGAAAGGGGCAAGATAATGAT
vivax 4 GGTAACCCCTATAATGGTTTGGGGCATTGAAAGACAATAGT-----GATGGAC-----CTCGGAATCAATGGCGAATCCTGATTCAAATAGTAAAGGTGAGACGGGAAAGGGGCAAGATAATGAT

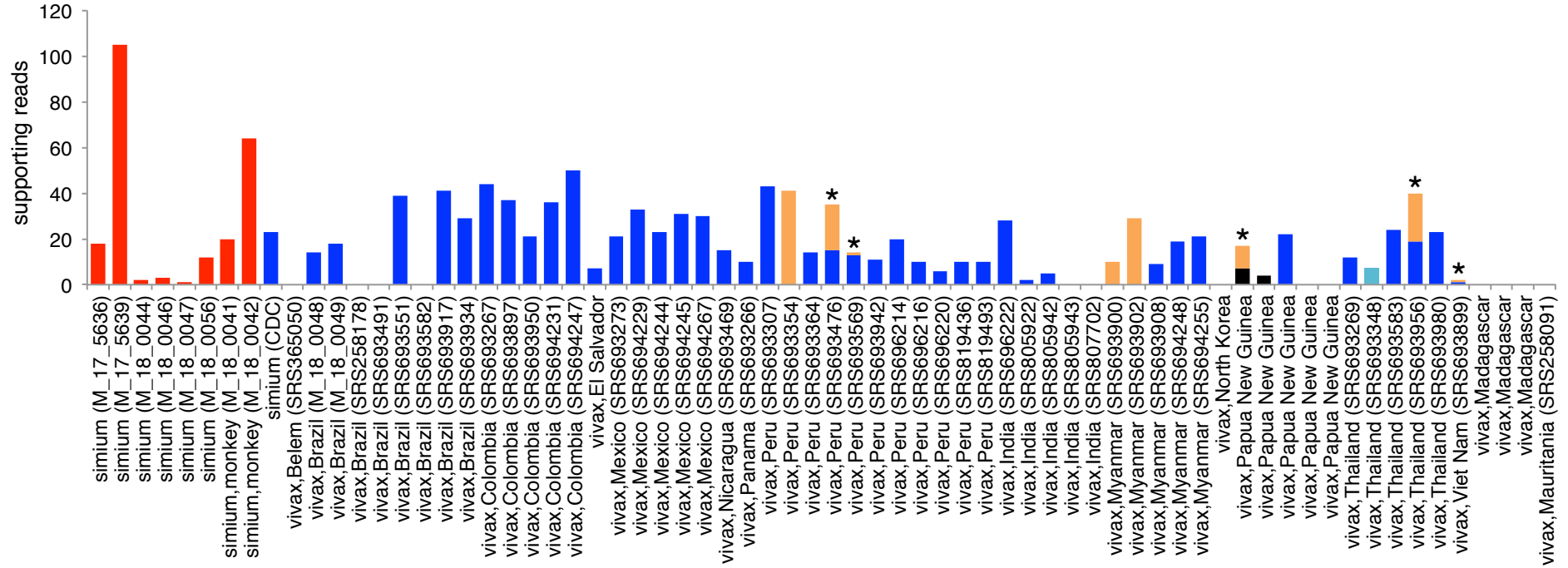
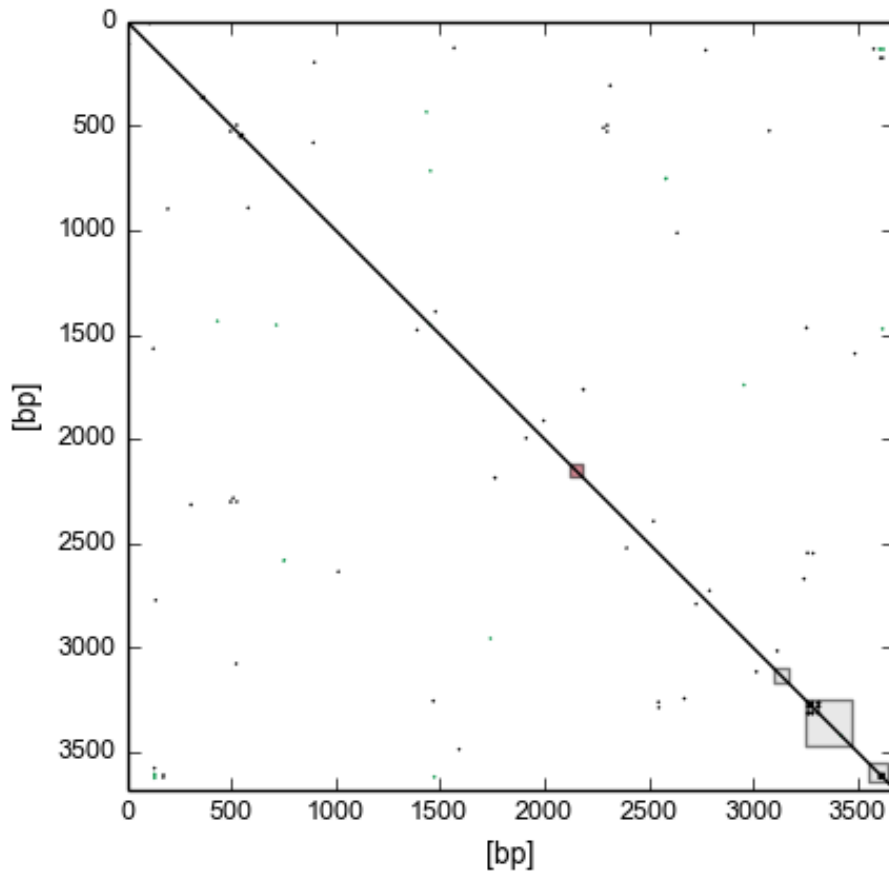


Figure S20

P. simium DBP1



P. vivax DBP1

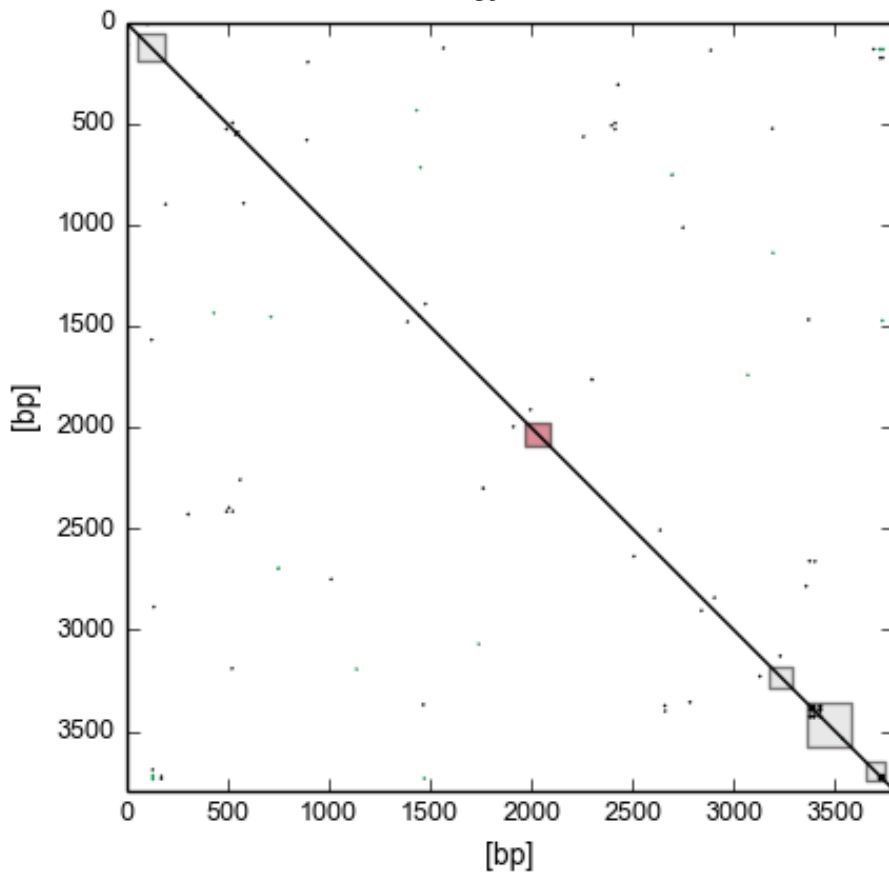


Figure S21

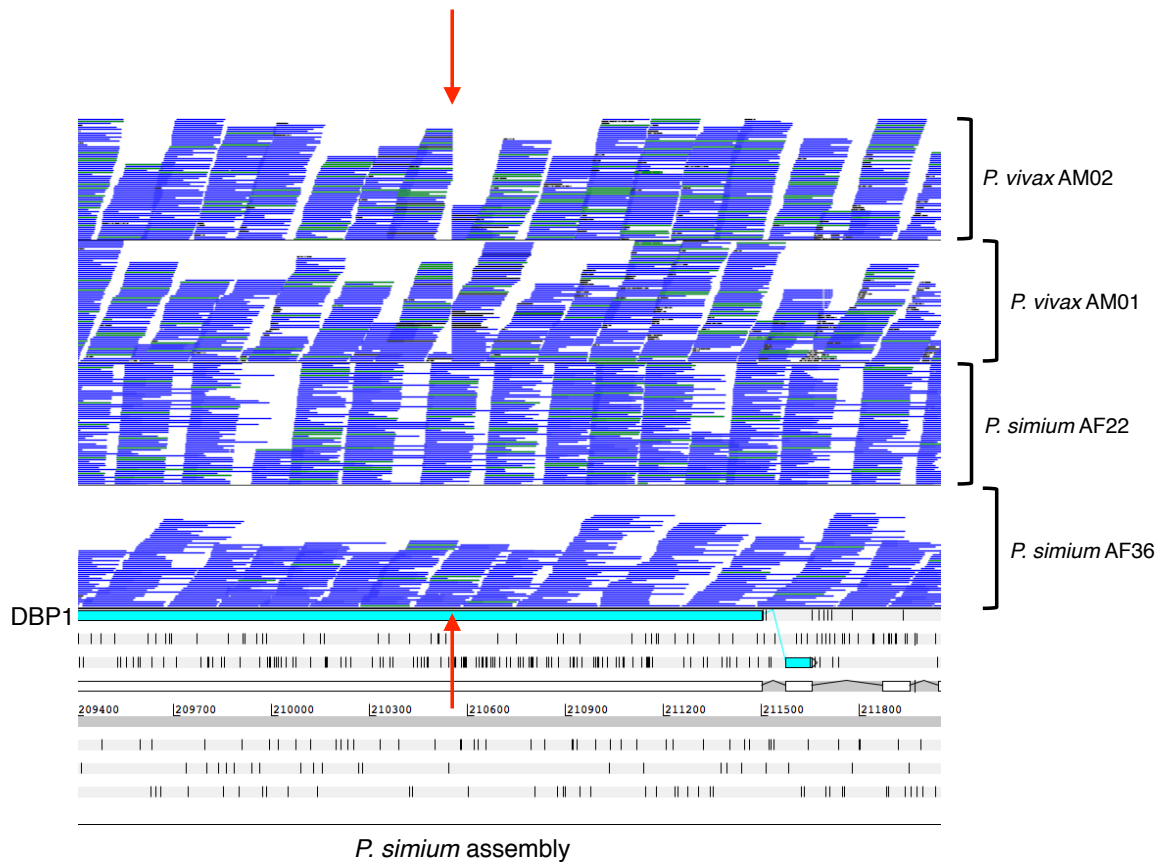


Figure S22

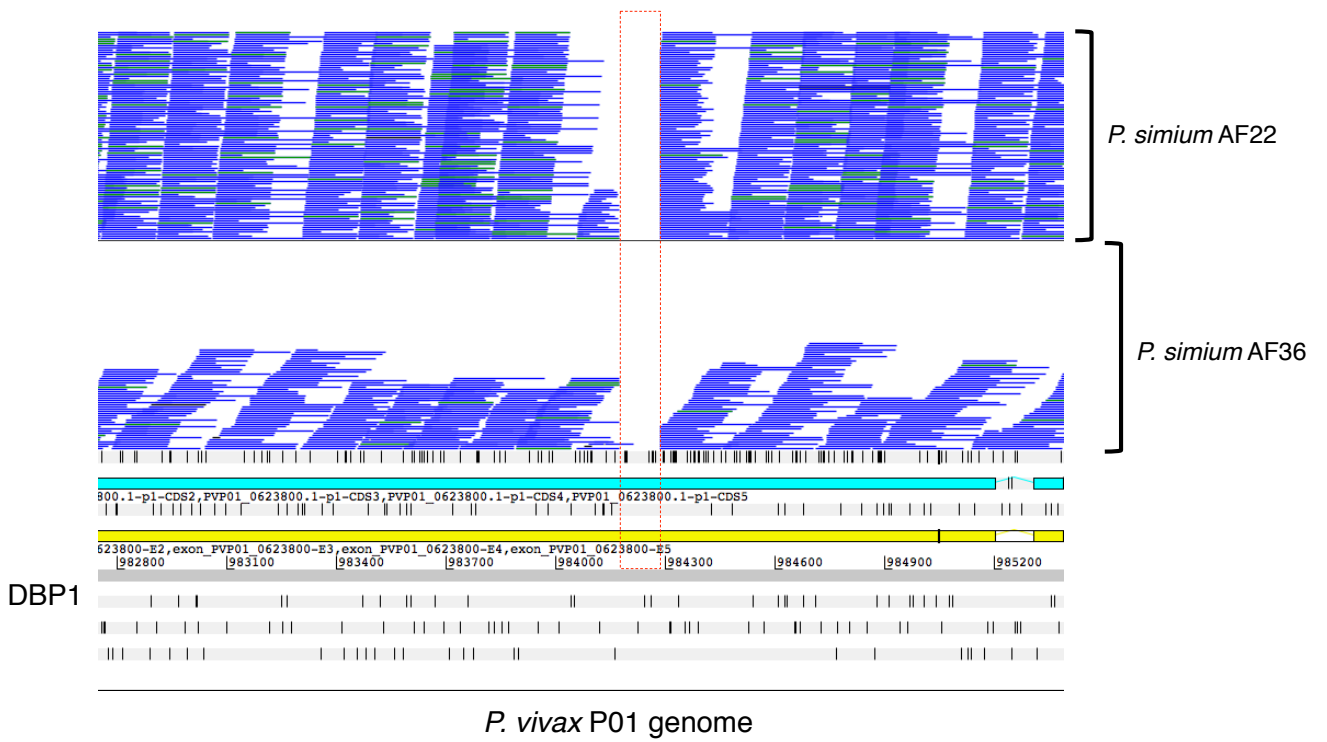


Figure S23

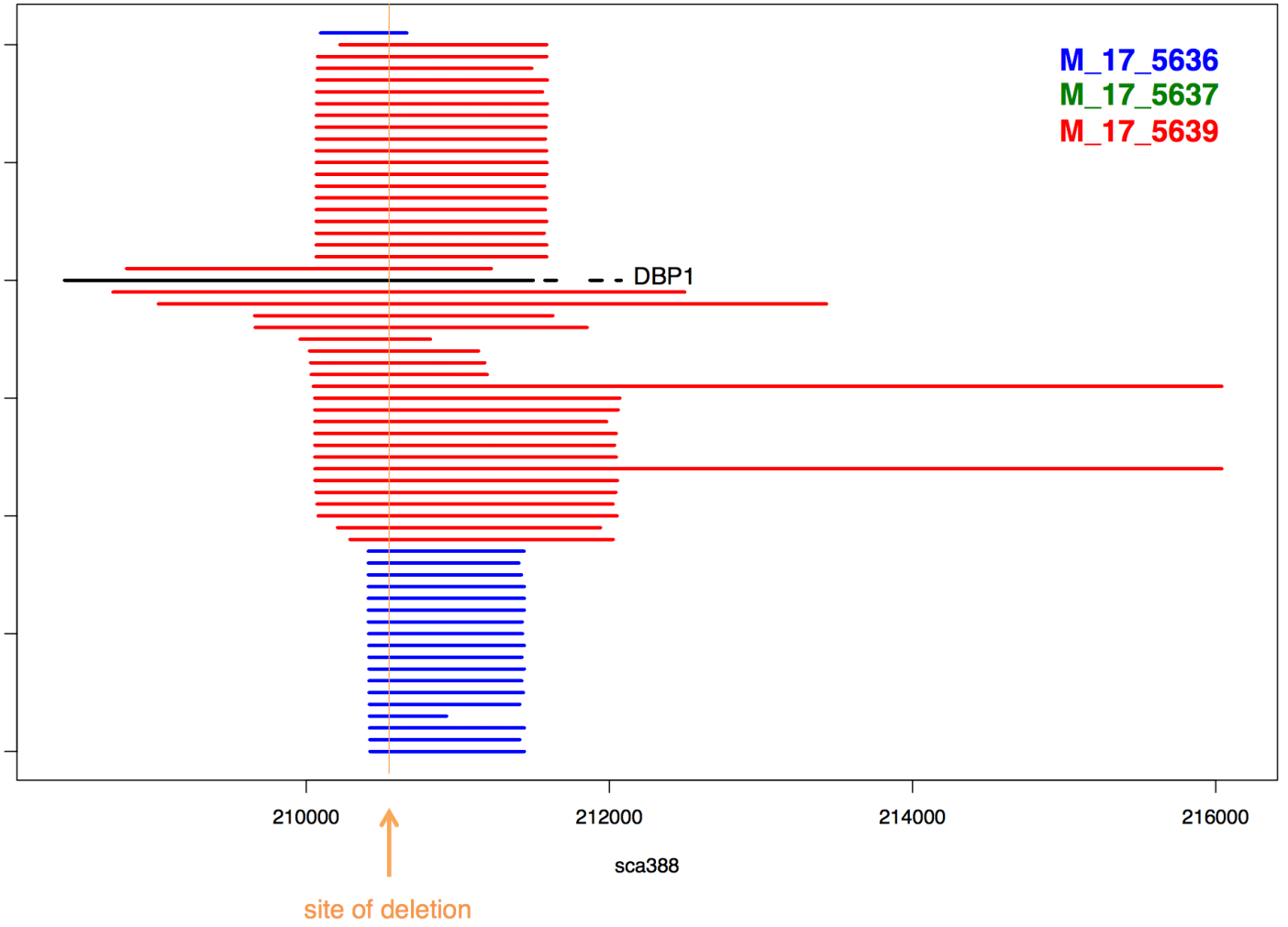
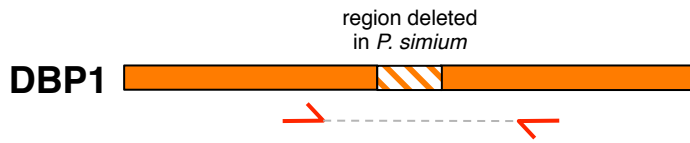
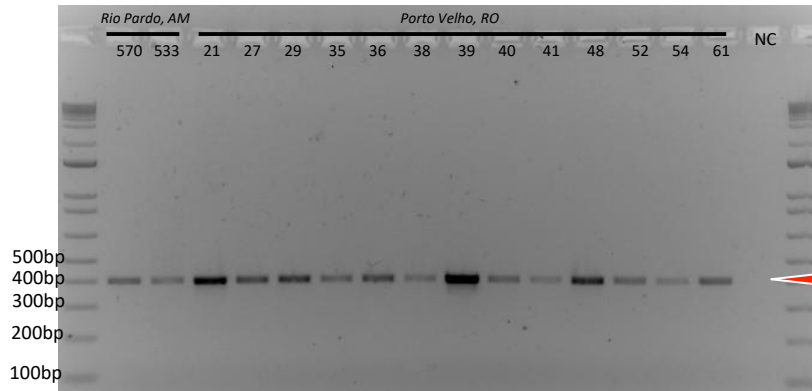


Figure S24

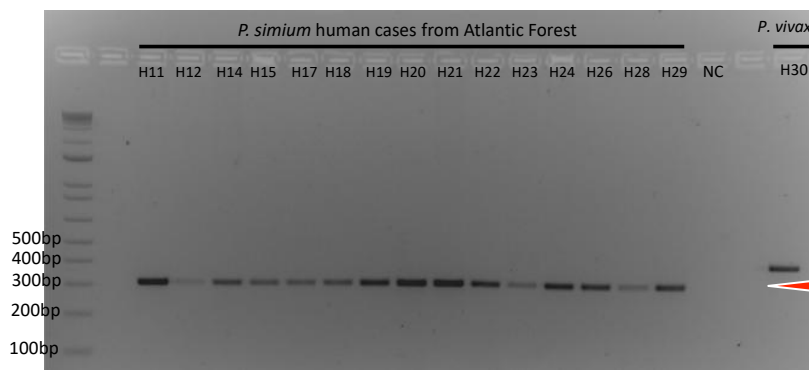


Human cases of *P. vivax*

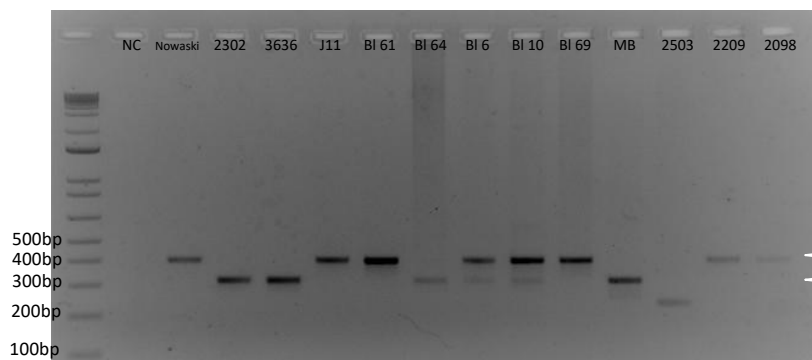
Expected band sizes:



Human cases of *P. simium*



P. simium from NHPs



forward primer: ATCGCGACAAAGCTACTGCC
reverse primer: TCCACAACAATCCCTGCTG

Figure S26

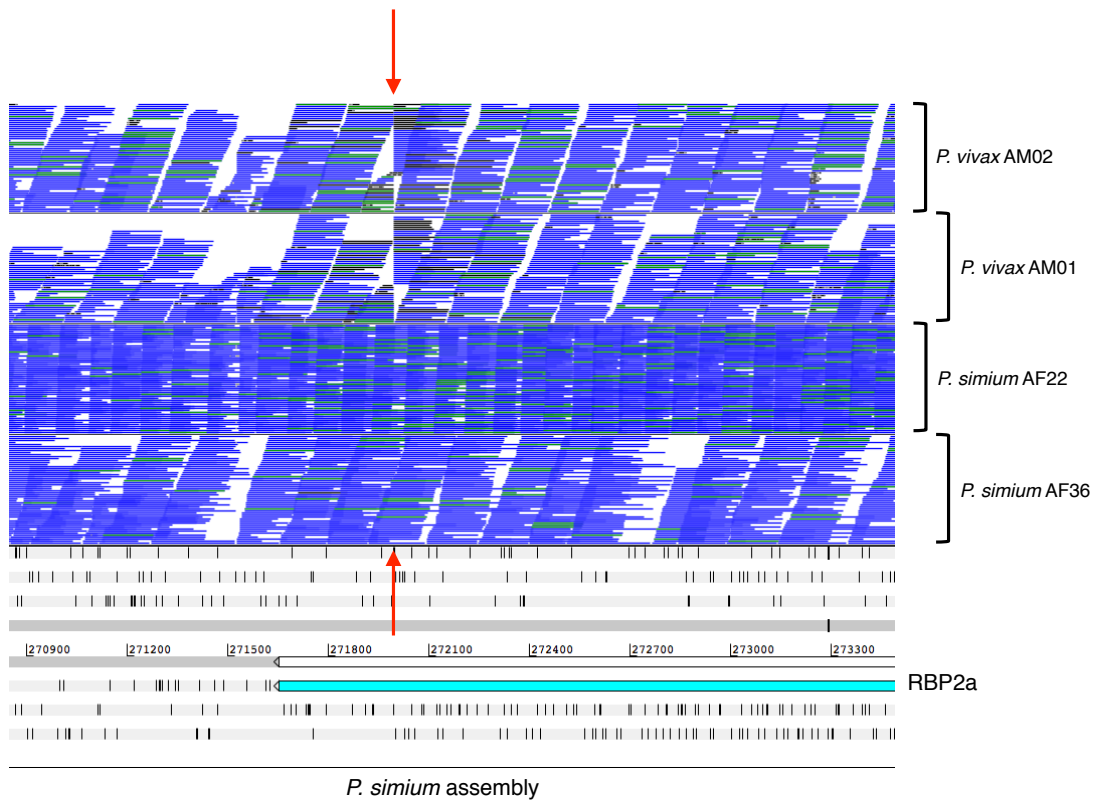


Figure S28

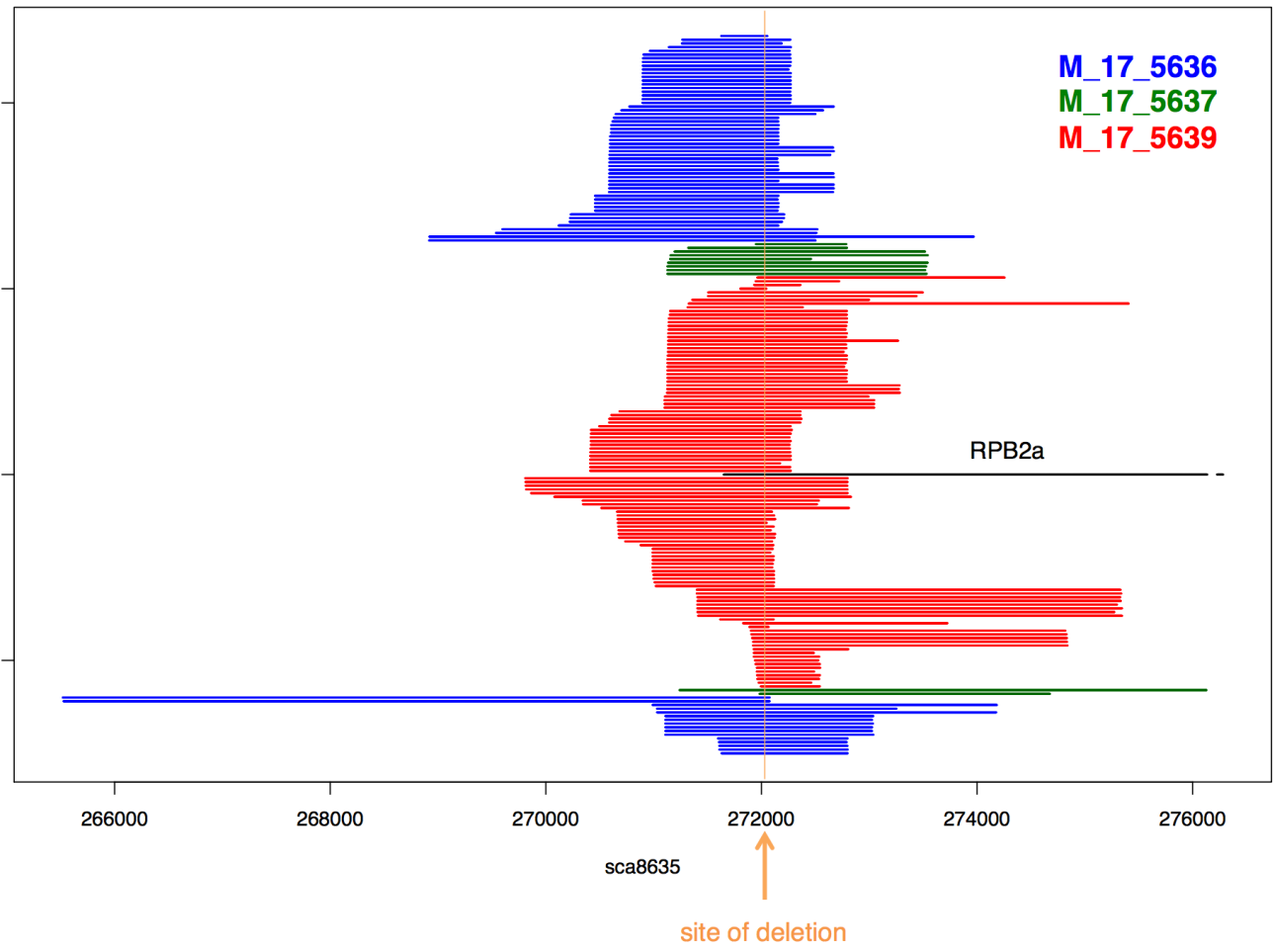
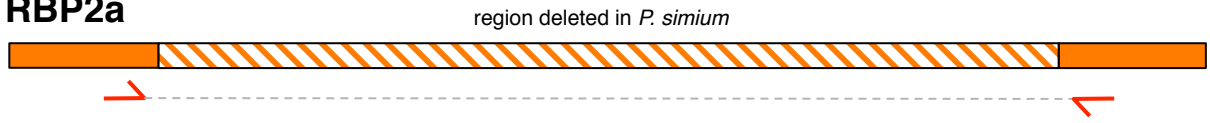


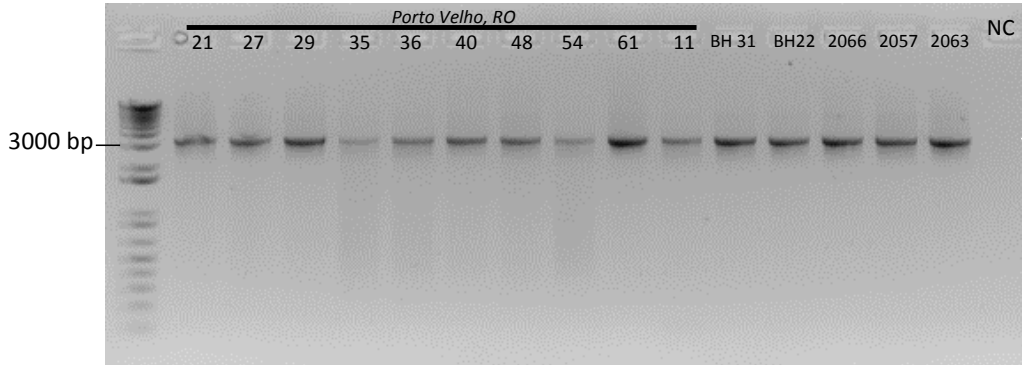
Figure S29

RBP2a

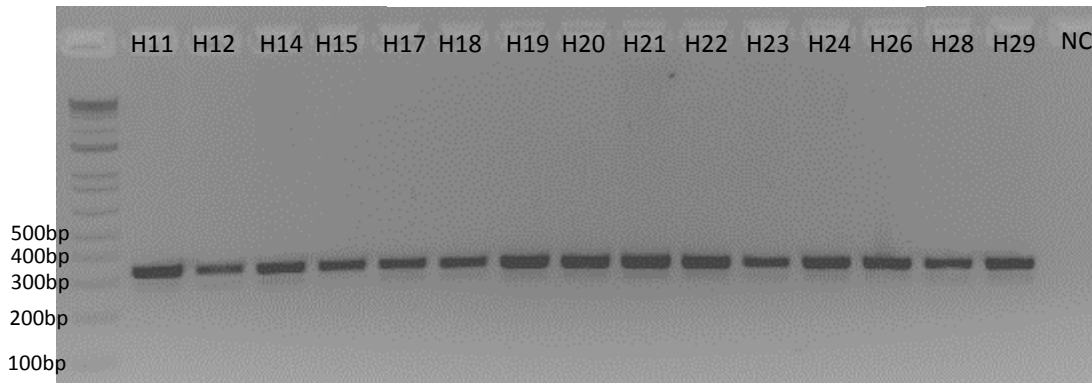


Human *P. vivax*

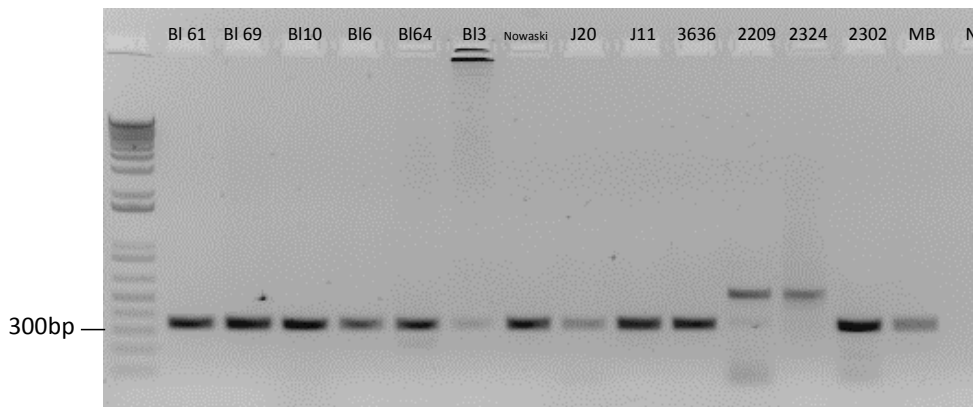
Expected band sizes:



Human *P. simium*



NHP *P. simium*

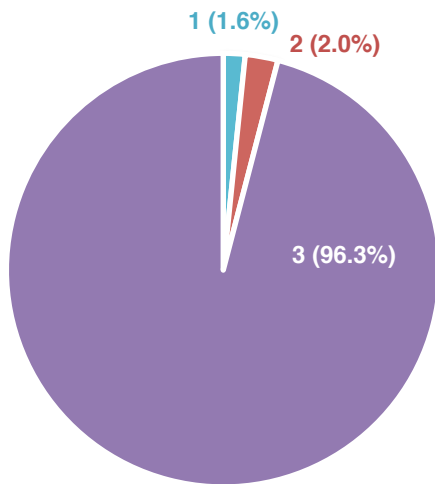


forward primer: AGTGCAAAGCAGAGGAGG
reverse primer: CCTGCTGCAAACGGACATT

Figure S30

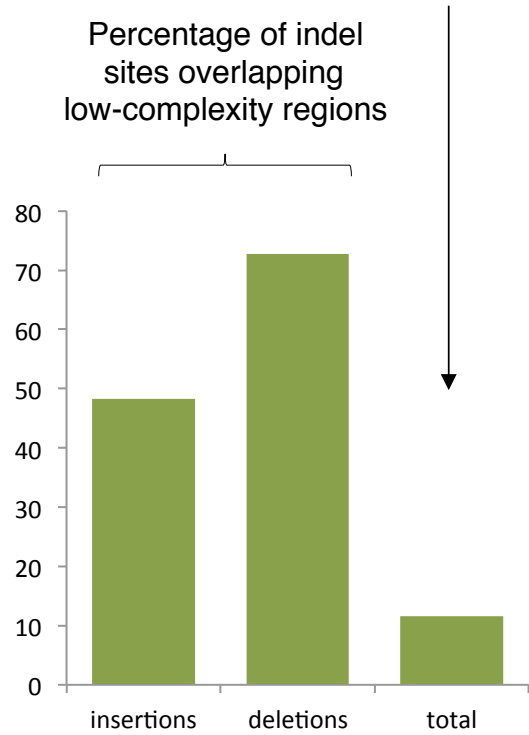
A

Percentages of indels in genes with sizes being integers of 1, 2 and 3.



B

Percentage of all proteins being low-complexity regions



C

Protein size distributions for genes with and without indels

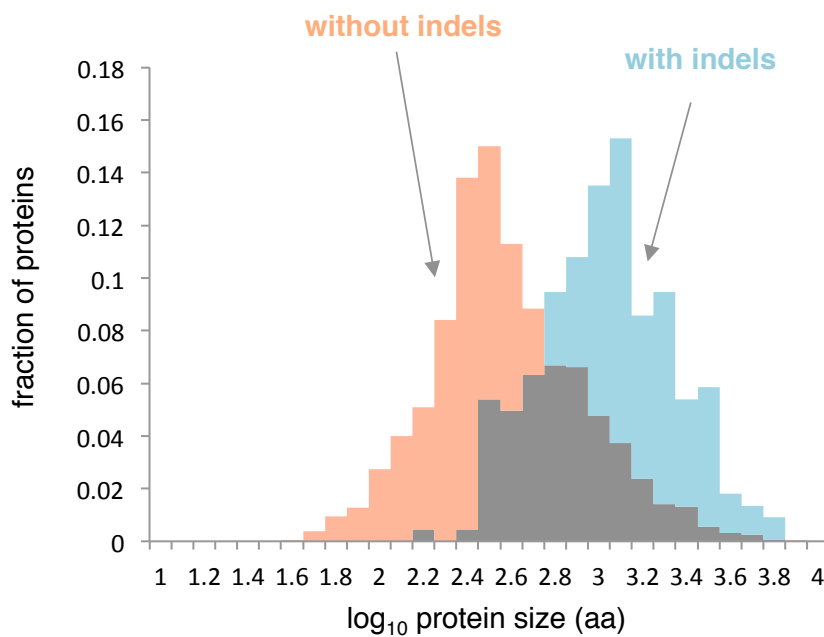


Figure S31

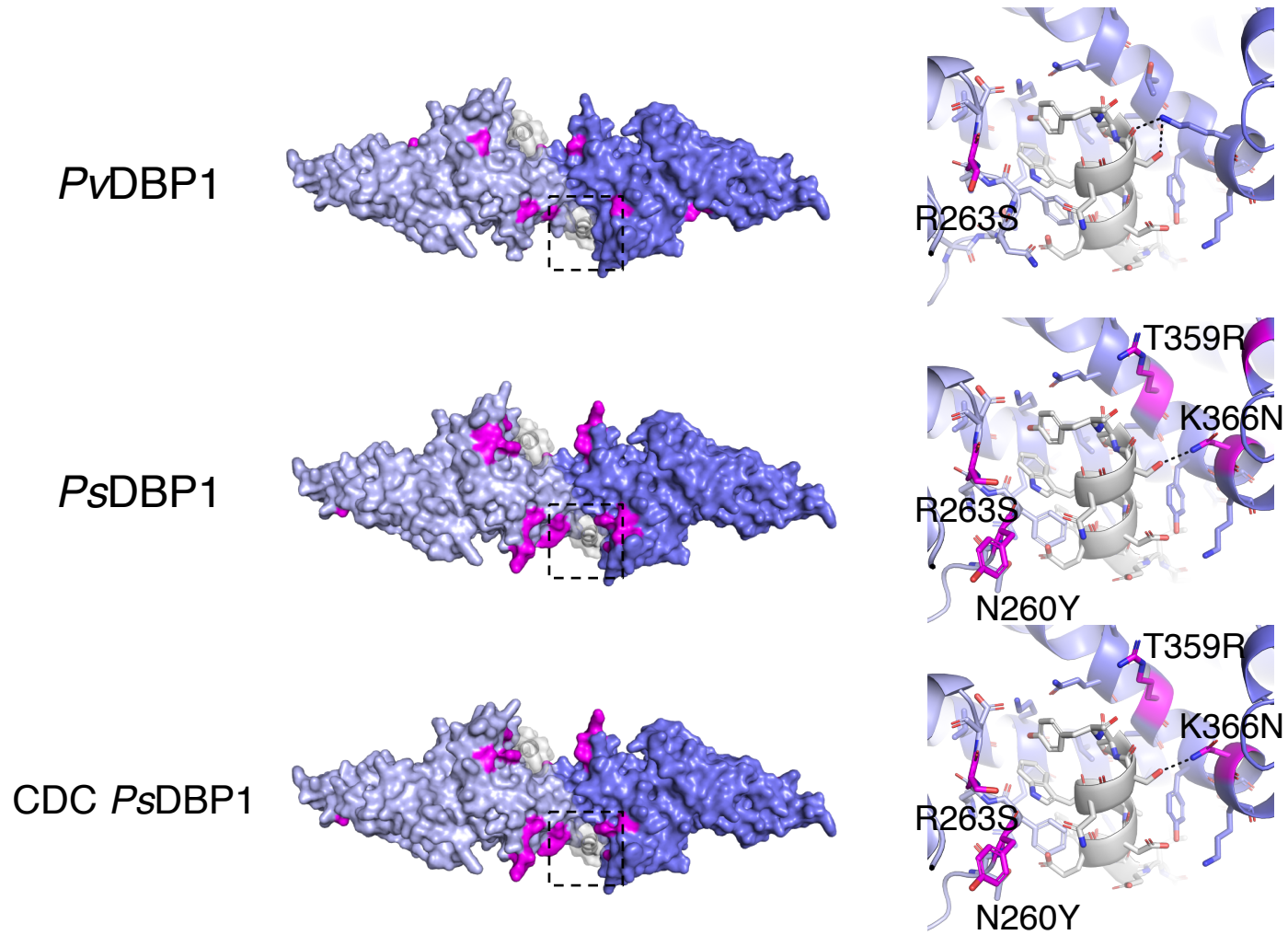


Figure S32

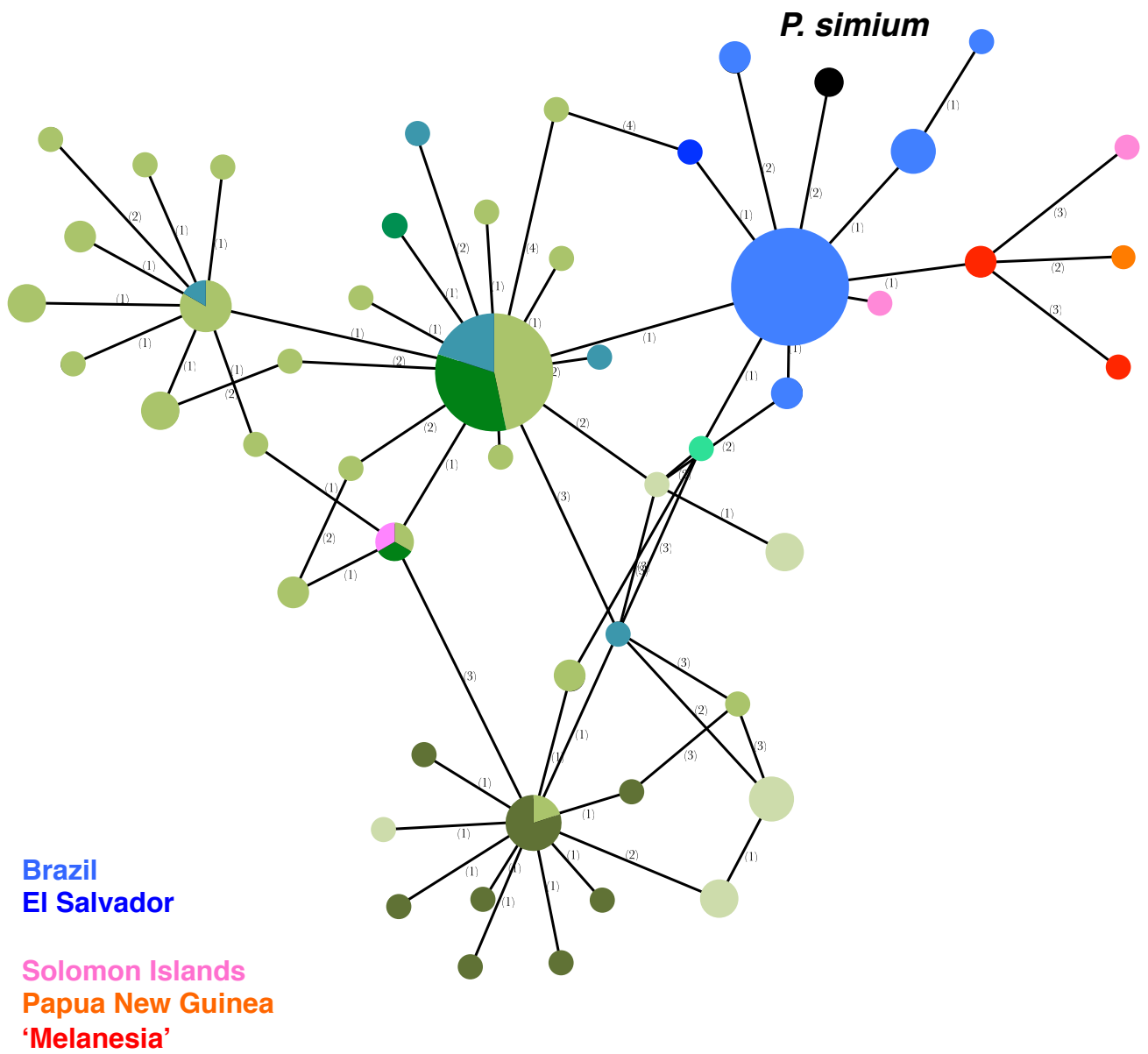


Figure S33

