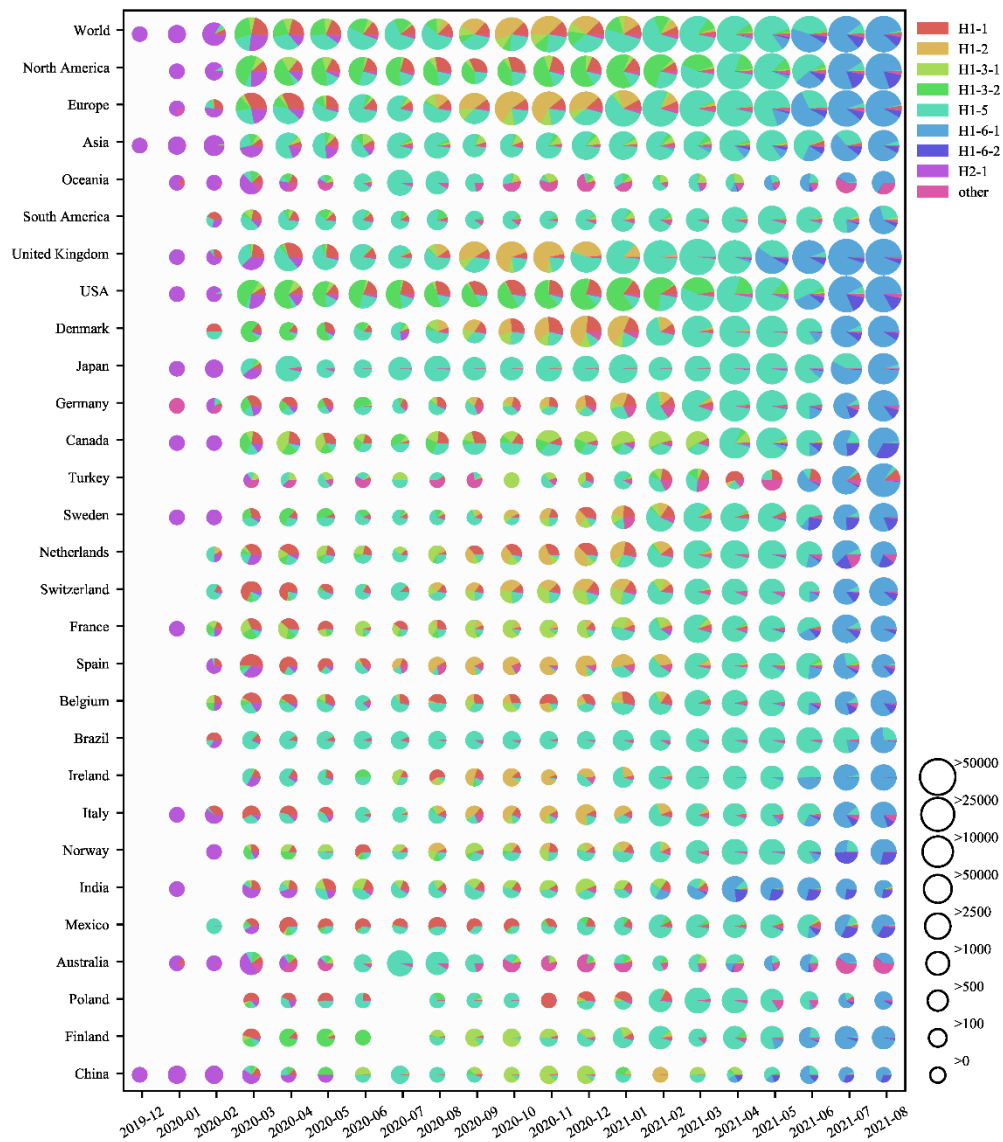
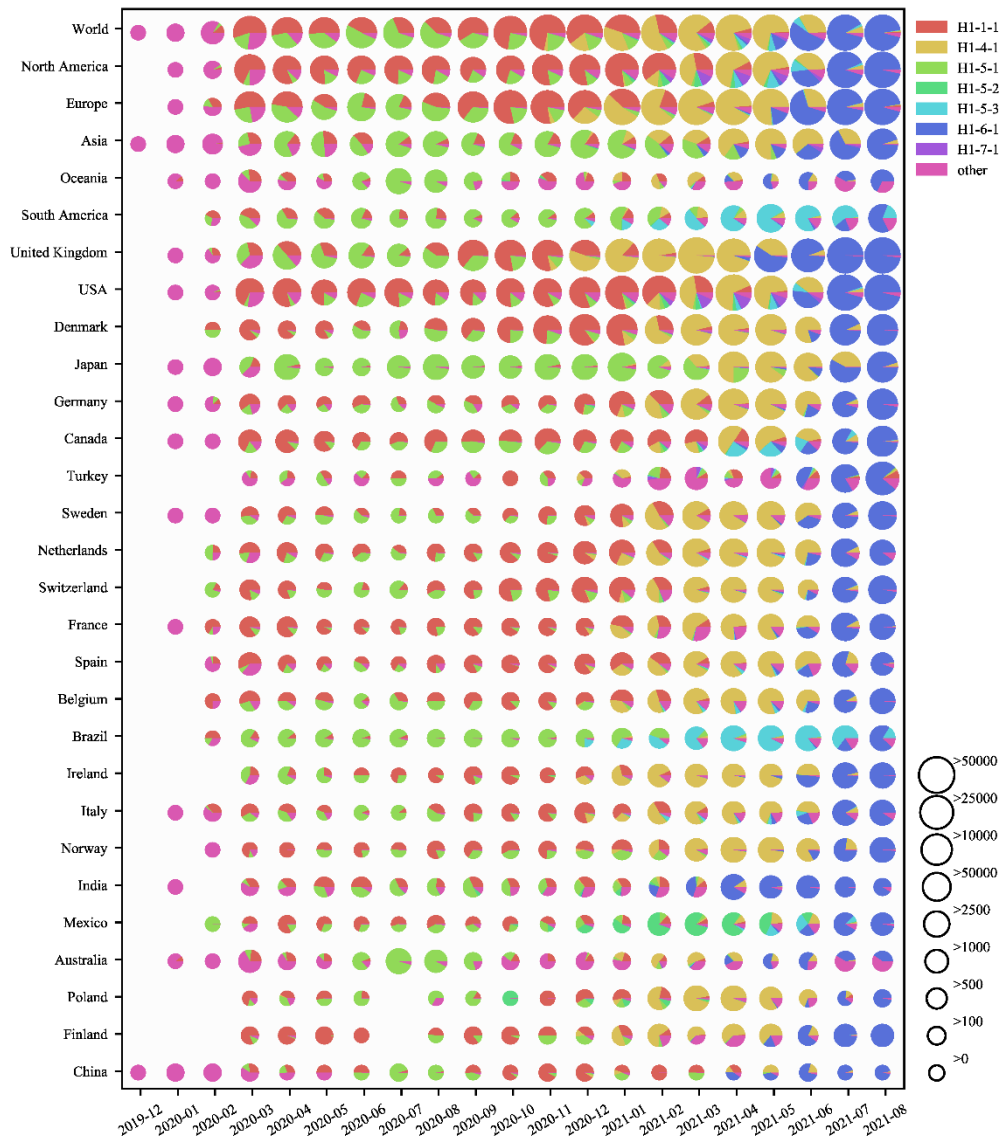


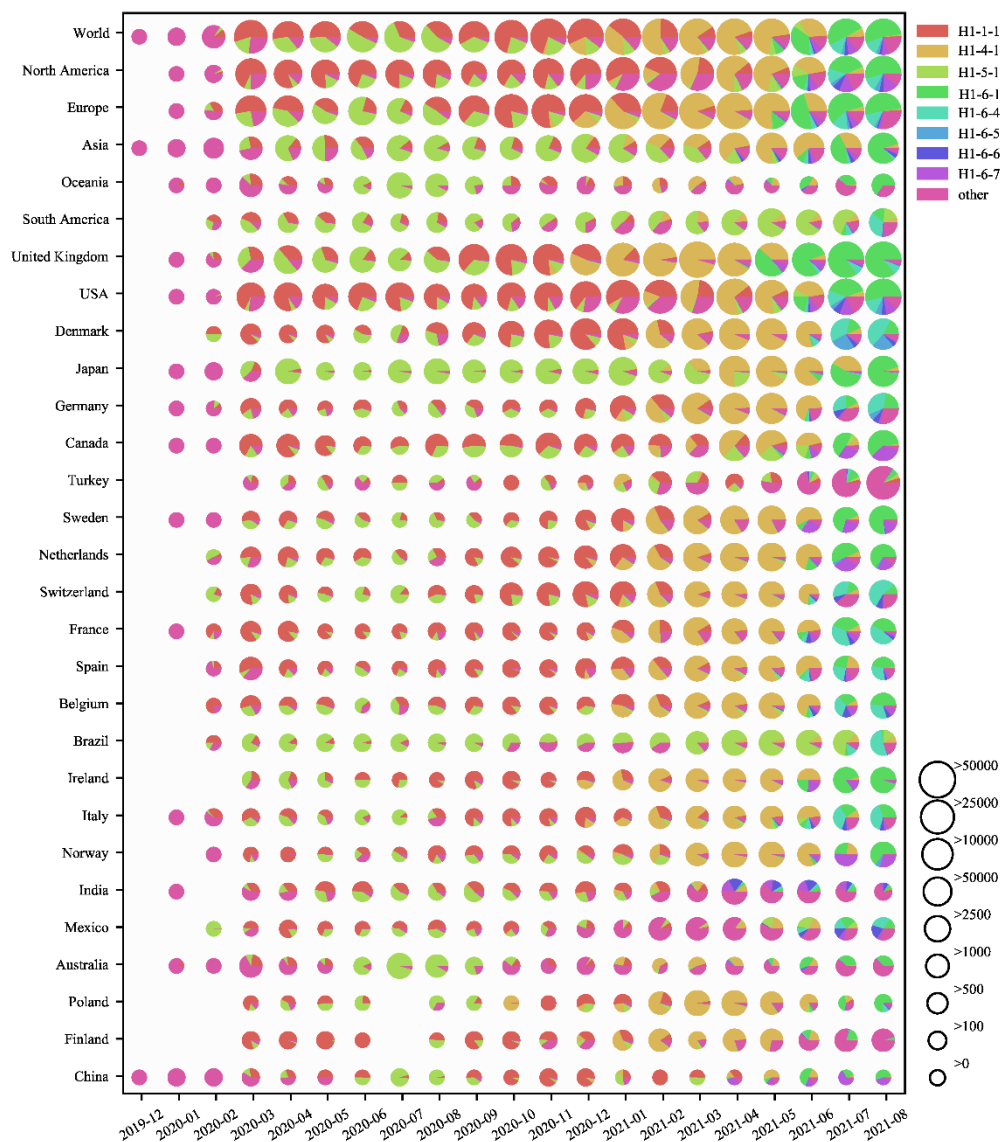
**Fig S1.** The epidemic trends of the 4 haplotype subtypes defined by the 9 specific mutation sites in different continents and countries (regions) with more than 10,000 genome sequences and China in different months.



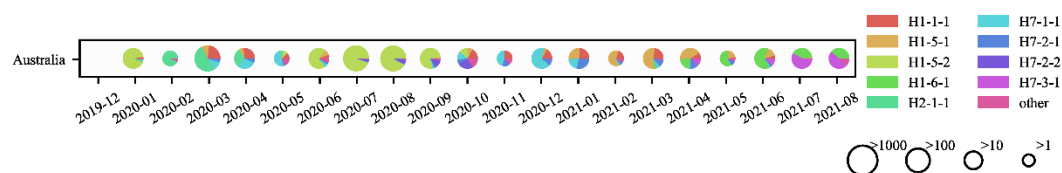
**Fig S2.** The epidemic trends of the 8 haplotype subtypes defined by the 16 specific mutation sites in different continents and countries (regions) with more than 10,000 genome sequences and China in different months.



**Fig S3.** The epidemic trends of the 7 haplotype subtypes defined by the 30 specific mutation sites in different continents and countries (regions) with more than 10,000 genome sequences and China in different months.



**Fig S4.** The epidemic trends of the 8 haplotype subtypes defined by the 33 specific mutation sites in different continents and countries (regions) with more than 10,000 genome sequences and China in different months.



**Fig S5.** The epidemic trends of the 9 haplotype subtypes defined by the 13 specific mutation sites found in Australia in different months.