Table S7. Origin of the haemagglutinin (HA) sequences of Influenza A(H1N1)pdm09 strains used for phylogenetic analysis of Figure 1.
Sequences are listed in ascending order of collection year. EPI ISL = GISAID EpiFlu database accession number.

Segment ID	Isolate Name	Originating Laboratory	Country	Submitting Laboratory
EPI ISL 227813	A/California/07/2009	-	United States	-
EPI ISL 417210	A/Victoria/2570/2019	Alfred Hospital	Australia	WHO Collaborating Centre for Reference and Research on Influenza
EPI ISL 12109635	A/Sydney/5/2021	WHO Collaborating Centre for Reference and Research on Influenza	Australia	Centers for Disease Control and Prevention
EPI ISL 19685707	A/Hungary/286/2024	Central Veterinary Institute Budapest	Hungary	Crick Worldwide Influenza Centre
EPI ISL 19334296	A/Lisboa/188/2023	Instituto Nacional de Saude (INSA)	Portugal	Crick Worldwide Influenza Centre
EPI ISL 19175842	A/Michigan/62/2023	Michigan Department of Community Health	United States	Centers for Disease Control and Prevention
EPI ISL 18044584	A/Netherlands/10468/2023	National Institute for Public Health and the Environment (RIVM)	Netherlands	Crick Worldwide Influenza Centre
EPI ISL 19204767	A/Poland/28/2024	National Institute of Public Health - National Institute of Hygiene	Poland	Crick Worldwide Influenza Centre
EPI ISL 19497280	A/Norway/06906/2024	Norwegian Institute of Public Health	Norway	Norwegian Institute of Public Health
EPI ISL 19406762	A/Bretagne/05126/2024	Institut Pasteur	France	Crick Worldwide Influenza Centre
EPI ISL 19252612	A/Netherlands/10481/2024	National Institute for Public Health and the Environment (RIVM)	Netherlands	Crick Worldwide Influenza Centre
EPI ISL 19731580	A/Norway/00926/2025	Norwegian Institute of Public Health	Norway	Norwegian Institute of Public Health

EPI ISL 19759016	A/Missouri/11/2025	Missouri Department of Health and Senior Services	United States	Centers for Disease Control and Prevention
EPI ISL 17072386	A/Victoria/4897/2022	WHO Collaborating Centre for Reference and Research on Influenza	Australia	National Institute for Biological Standards and Control (NIBSC)
EPI ISL 15928563	A/Wisconsin/67/2022	Wisconsin State Laboratory of Hygiene	United States	Centers for Disease Control and Prevention