

Human seasonal PB2

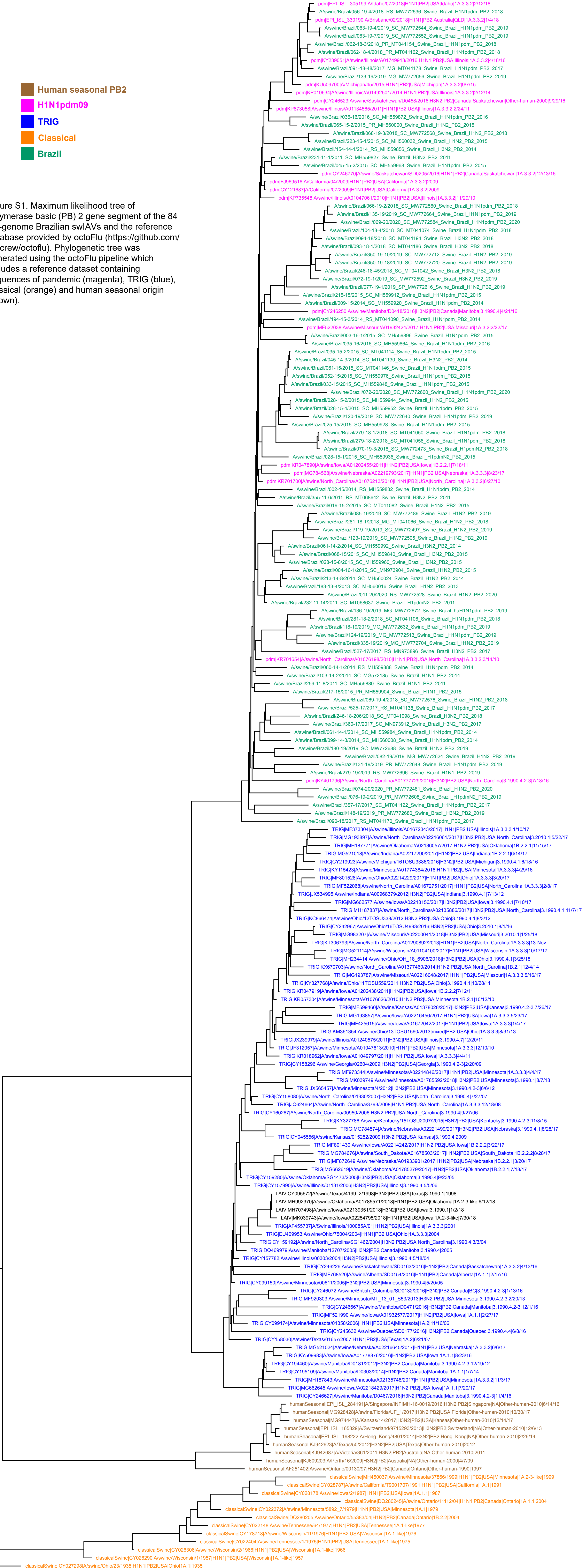
H1N1pdm09

TRIG

Classical

Brazil

Figure S1. Maximum likelihood tree of polymerase basic (PB) 2 gene segment of the 84 full-genome Brazilian swIAVs and the reference database provided by octoFlu (<https://github.com/flu-crew/octoflu>). Phylogenetic tree was generated using the octoFlu pipeline which includes a reference dataset containing sequences of pandemic (magenta), TRIG (blue), classical (orange) and human seasonal origin (brown).



Human seasonal PB1
H1N1pdm09
TRIG
Classical
Brazil

Figure S2. Maximum likelihood tree of polymerase basic (PB) 1 gene segment of the 84 full-genome Brazilian swIAVs and the reference database provided by octoFlu. Phylogenetic tree was generated using the octoFlu pipeline which includes a reference dataset containing sequences of pandemic (magenta), TRIG (blue), classical (orange) and human seasonal origin (brown).

0.03

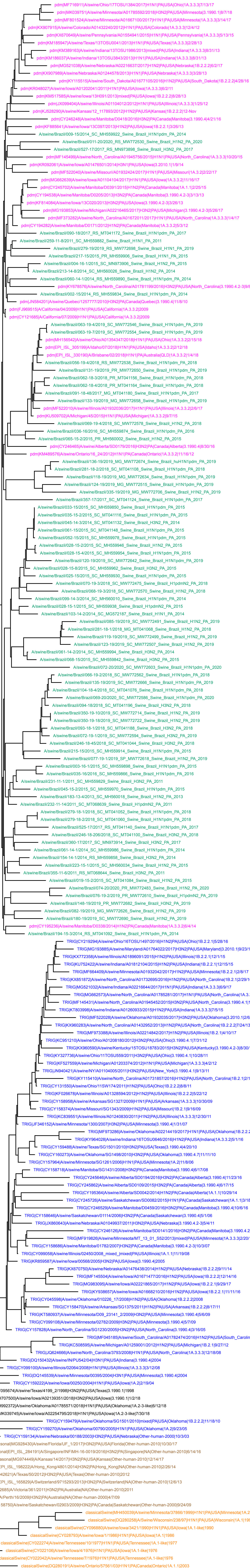


Figure S3. Maximum likelihood tree of polymerase acid (PA) gene segment of the 84 full-genome Brazilian swAVIs and the reference database provided by octoFlu. Phylogenetic tree was generated using the octoFlu pipeline which includes a reference dataset containing sequences of pandemic (magenta), TRIG (blue), classical (orange) and human seasonal origin (brown).

Human seasonal NP
H1N1pdm09
TRIG
Classical
Brazil

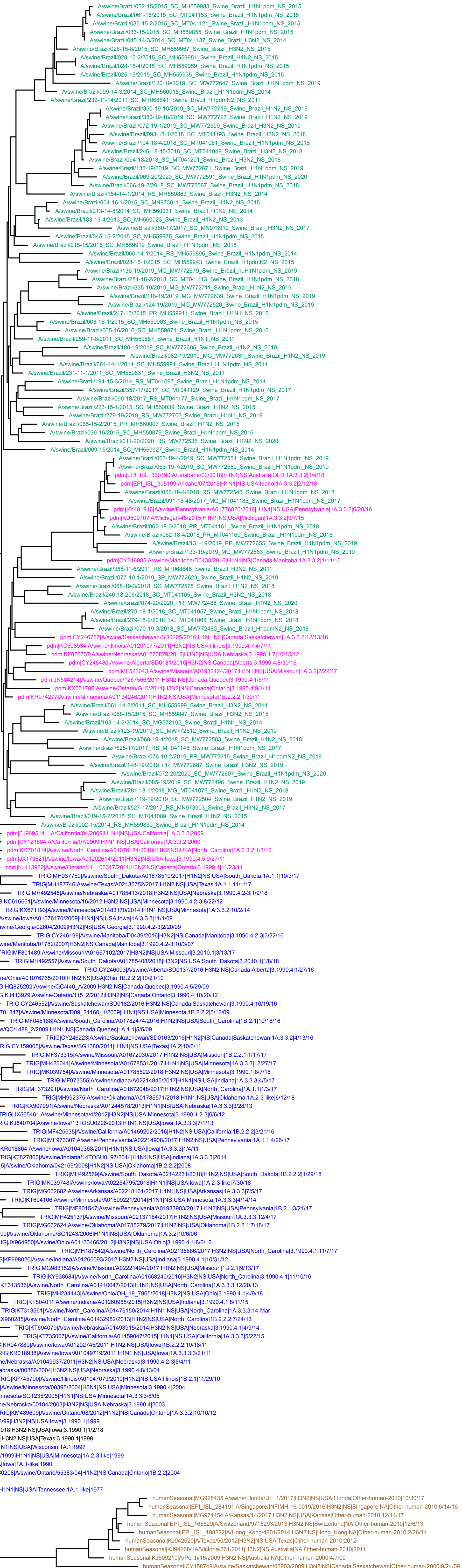
Figure S4. Maximum likelihood tree of nucleoprotein (NP) gene segment of the 84 full-genome Brazilian swIAVs and the reference database provided by octoFlu. Phylogenetic tree was generated using the octoFlu pipeline which includes a reference dataset containing sequences of pandemic (magenta), TRIG (blue), classical (orange) and human seasonal origin (brown).

0.02

Human seasonal M
H1N1pdm09
TRIG
Brazil

Figure S5. Maximum likelihood tree of matrix (M) gene segment of the 84 full-genome Brazilian swIAVs and the reference database provided by octoFlu. Phylogenetic tree was generated using the octoFlu pipeline which includes a reference dataset containing sequences of pandemic (magenta), TRIG (blue) and human seasonal origin (brown).





TRIG|MH430042|A/swine/lowe

TRIG|CY096879|A/swine/lowe

TRIG|CY022425|A/swine/Wisconsin/11/1980|H1N1|NS|U

TRIG|CY026479|A/swine/Wisconsin/11/1980|H1N1|NS|U

humanSeasonal[MG928435/a/Swine/Florida/UF_12017][H3N2/US/Florida/Other-human-2010/10/30/17]
humanSeasonal[EPI_1284191/a/Singapore/INF1HM-11-05/1920/16][H3N2/Singapore/NA/Other-human-2010/06/14/16]
humanSeasonal[MG974454/a/Kansas/14/2017][H3N2/US/Kansas/Other-human-2010/12/14/17]
humanSeasonal[EPI_156529/a/Switzerland/9715293/2017][H3N2/Switzerland/NA/Other-human-2010/12/26/13]
humanSeasonal[EPI_165292/a/Hong_Kong/12012/14][H3N2/Hong_Kong/NA/Other-human-2010/02/26/14]
humanSeasonal[KJ46260/a/Texas/605/2012][H3N2/US/Texas/Other-human-2010/02/12/12]
humanSeasonal[KJ42684/a/Victoria/361/2011][H3N2/Australia/NA/Other-human-2010/02/11/11]
human[KJ609210/a/Perth/16/2011][H3N2/Australia/NA/Other-human-2004/07/409]
humanSeasonal[CQ1587438/a/Wine/Saskatchewan/02903/2009][H3N2/Canada/Saskatchewan/Other-human-2009/24/09]