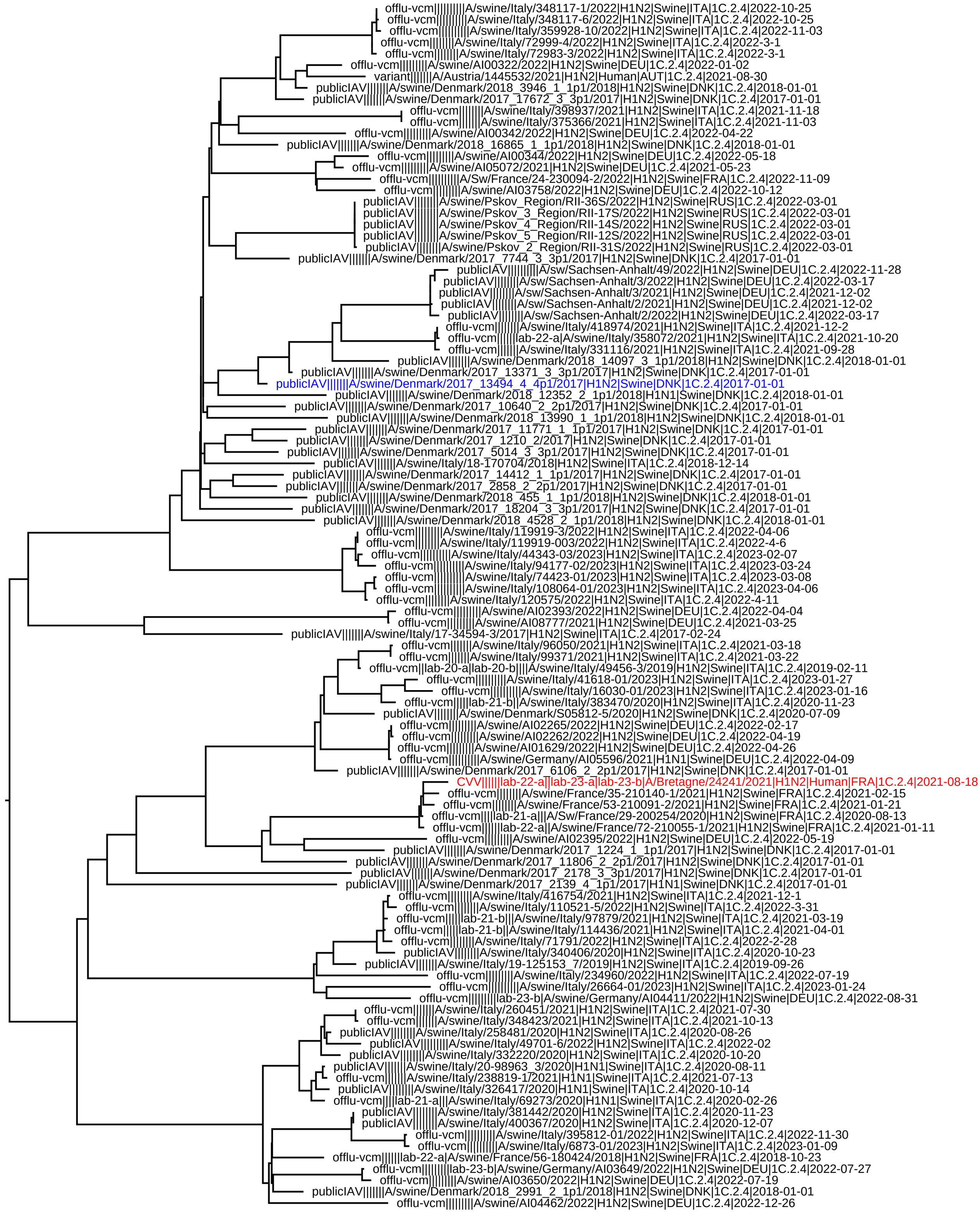
offlu-vcm|||||||||A/swine/Italy/348117-1/2022|H1N2|Swine|ITA|1C.2.4|2022-10-25
offlu-vcm|||||||||A/swine/Italy/348117-6/2022|H1N2|Swine|ITA|1C.2.4|2022-10-25
offlu-vcm|||||||||A/swine/Italy/359928-10/2022|H1N2|Swine|ITA|1C.2.4|2022-11-03
offlu-vcm|||||||A/swine/Italy/72999-4/2022|H1N2|Swine|ITA|1C.2.4|2022-3-1
offlu-vcm|||||||A/swine/Italy/72983-3/2022|H1N2|Swine|ITA|1C.2.4|2022-3-1
offlu-vcm||||||||A/swine/AI00322/2022|H1N2|Swine|DEU|1C.2.4|2022-01-02
variant||||||A/Austria/1445532/2021|H1N2|Human|AUT|1C.2.4|2021-08-30
publicIAV||||||A/swine/Denmark/2018_3946_1_1p1/2018|H1N2|Swine|DNK|1C.2.4|2018-01-01
publicIAV||||||A/swine/Denmark/2017_17672_3_3p1/2017|H1N2|Swine|DNK|1C.2.4|2017-01-01
offlu-vcm|||||||A/swine/Italy/398937/2021|H1N2|Swine|ITA|1C.2.4|2021-11-18
offlu-vcm|||||||A/swine/Italy/375366/2021|H1N2|Swine|ITA|1C.2.4|2021-11-03
offlu-vcm||||||||A/swine/AI00342/2022|H1N2|Swine|DEU|1C.2.4|2022-04-22
publicIAV||||||A/swine/Denmark/2018_16865_1_1p1/2018|H1N2|Swine|DNK|1C.2.4|2018-01-01
offlu-vcm||||||||A/swine/AI00344/2022|H1N2|Swine|DEU|1C.2.4|2022-05-18
offlu-vcm||||||||A/swine/AI05072/2021|H1N2|Swine|DEU|1C.2.4|2021-05-23
offlu-vcm||||||||A/Sw/France/24-230094-2/2022|H1N2|Swine|FRA|1C.2.4|2022-11-09
offlu-vcm||||||||A/swine/AI03758/2022|H1N2|Swine|DEU|1C.2.4|2022-10-12
publicIAV||||||A/swine/Pskov_Region/RII-36S/2022|H1N2|Swine|RUS|1C.2.4|2022-03-01
publicIAV||||||A/swine/Pskov_3_Region/RII-17S/2022|H1N2|Swine|RUS|1C.2.4|2022-03-01
publicIAV||||||A/swine/Pskov_4_Region/RII-14S/2022|H1N2|Swine|RUS|1C.2.4|2022-03-01
publicIAV||||||A/swine/Pskov_5_Region/RII-12S/2022|H1N2|Swine|RUS|1C.2.4|2022-03-01
publicIAV||||||A/swine/Pskov_2_Region/RII-31S/2022|H1N2|Swine|RUS|1C.2.4|2022-03-01
publicIAV||||||A/swine/Denmark/2017_7744_3_3p1/2017|H1N2|Swine|DNK|1C.2.4|2017-01-01
publicIAV||||||A/sw/Sachsen-Anhalt/49/2022|H1N2|Swine|DEU|1C.2.4|2022-11-28
publicIAV||||||A/sw/Sachsen-Anhalt/3/2022|H1N2|Swine|DEU|1C.2.4|2022-03-17
publicIAV||||||A/sw/Sachsen-Anhalt/3/2021|H1N2|Swine|DEU|1C.2.4|2021-12-02
publicIAV||||||A/sw/Sachsen-Anhalt/2/2021|H1N2|Swine|DEU|1C.2.4|2021-12-02
publicIAV||||||A/sw/Sachsen-Anhalt/2/2022|H1N2|Swine|DEU|1C.2.4|2022-03-17
offlu-vcm||||||A/swine/Italy/418974/2021|H1N2|Swine|ITA|1C.2.4|2021-12-2
offlu-vcm||||||lab-22-a|A/swine/Italy/358072/2021|H1N2|Swine|ITA|1C.2.4|2021-10-20
offlu-vcm||||||A/swine/Italy/331116/2021|H1N2|Swine|ITA|1C.2.4|2021-09-28
publicIAV||||||A/swine/Denmark/2018_14097_3_1p1/2018|H1N2|Swine|DNK|1C.2.4|2018-01-01
publicIAV||||||A/swine/Denmark/2017_13371_3_3p1/2017|H1N2|Swine|DNK|1C.2.4|2017-01-01
publicIAV||||||A/swine/Denmark/2017_13494_4_4p1/2017|H1N2|Swine|DNK|1C.2.4|2017-01-01
publicIAV||||||A/swine/Denmark/2018_12352_2_1p1/2018|H1N1|Swine|DNK|1C.2.4|2018-01-01
publicIAV||||||A/swine/Denmark/2017_10640_2_2p1/2017|H1N2|Swine|DNK|1C.2.4|2017-01-01
publicIAV||||||A/swine/Denmark/2018_13990_1_1p1/2018|H1N2|Swine|DNK|1C.2.4|2018-01-01
publicIAV||||||A/swine/Denmark/2017_11771_1_1p1/2017|H1N2|Swine|DNK|1C.2.4|2017-01-01
publicIAV||||||A/swine/Denmark/2017_1210_2/2017|H1N2|Swine|DNK|1C.2.4|2017-01-01
publicIAV||||||A/swine/Denmark/2017_5014_3_3p1/2017|H1N2|Swine|DNK|1C.2.4|2017-01-01
publicIAV||||||A/swine/Italy/18-170704/2018|H1N2|Swine|ITA|1C.2.4|2018-12-14
publicIAV||||||A/swine/Denmark/2017_14412_1_1p1/2017|H1N2|Swine|DNK|1C.2.4|2017-01-01
publicIAV||||||A/swine/Denmark/2017_2858_2_2p1/2017|H1N2|Swine|DNK|1C.2.4|2017-01-01
publicIAV||||||A/swine/Denmark/2018_455_1_1p1/2018|H1N2|Swine|DNK|1C.2.4|2018-01-01
publicIAV||||||A/swine/Denmark/2017_18204_3_3p1/2017|H1N2|Swine|DNK|1C.2.4|2017-01-01
publicIAV||||||A/swine/Denmark/2018_4528_2_1p1/2018|H1N2|Swine|DNK|1C.2.4|2018-01-01
offlu-vcm||||||||A/swine/Italy/119919-3/2022|H1N2|Swine|ITA|1C.2.4|2022-04-06
offlu-vcm||||||||A/swine/Italy/119919-003/2022|H1N2|Swine|ITA|1C.2.4|2022-4-6
offlu-vcm|||||||||A/swine/Italy/44343-03/2023|H1N2|Swine|ITA|1C.2.4|2023-02-07
offlu-vcm|||||||||A/swine/Italy/94177-02/2023|H1N2|Swine|ITA|1C.2.4|2023-03-24
offlu-vcm|||||||||A/swine/Italy/74423-01/2023|H1N2|Swine|ITA|1C.2.4|2023-03-08
offlu-vcm|||||||||A/swine/Italy/108064-01/2023|H1N2|Swine|ITA|1C.2.4|2023-04-06
offlu-vcm||||||||A/swine/Italy/120575/2022|H1N2|Swine|ITA|1C.2.4|2022-4-11
offlu-vcm||||||||A/swine/AI02393/2022|H1N2|Swine|DEU|1C.2.4|2022-04-04
offlu-vcm||||||||A/swine/AI08777/2021|H1N2|Swine|DEU|1C.2.4|2021-03-25
publicIAV||||||A/swine/Italy/17-34594-3/2017|H1N2|Swine|ITA|1C.2.4|2017-02-24
offlu-vcm||||||A/swine/Italy/96050/2021|H1N2|Swine|ITA|1C.2.4|2021-03-18
offlu-vcm||||||A/swine/Italy/99371/2021|H1N2|Swine|ITA|1C.2.4|2021-03-22
offlu-vcm||lab-20-a|lab-20-b||||A/swine/Italy/49456-3/2019|H1N2|Swine|ITA|1C.2.4|2019-02-11
offlu-vcm|||||||||A/swine/Italy/41618-01/2023|H1N2|Swine|ITA|1C.2.4|2023-01-27
offlu-vcm|||||||||A/swine/Italy/16030-01/2023|H1N2|Swine|ITA|1C.2.4|2023-01-16
offlu-vcm|||||lab-21-b||A/swine/Italy/383470/2020|H1N2|Swine|ITA|1C.2.4|2020-11-23
publicIAV||||||A/swine/Denmark/S05812-5/2020|H1N2|Swine|DNK|1C.2.4|2020-07-09
offlu-vcm||||||||A/swine/AI02265/2022|H1N2|Swine|DEU|1C.2.4|2022-02-17
offlu-vcm||||||||A/swine/AI02262/2022|H1N2|Swine|DEU|1C.2.4|2022-04-19
offlu-vcm||||||||A/swine/AI01629/2022|H1N2|Swine|DEU|1C.2.4|2022-04-26
offlu-vcm|||||||||A/swine/Germany/AI05596/2021|H1N1|Swine|DEU|1C.2.4|2022-04-09
publicIAV||||||A/swine/Denmark/2017_6106_2_2p1/2017|H1N2|Swine|DNK|1C.2.4|2017-01-01
CVV||||||lab-22-a||lab-23-a|lab-23-b|A/Bretagne/24241/2021|H1N2|Human|FRA|1C.2.4|2021-08-18
offlu-vcm||||||||A/swine/France/35-210140-1/2021|H1N2|Swine|FRA|1C.2.4|2021-02-15
offlu-vcm||||||||A/swine/France/53-210091-2/2021|H1N2|Swine|FRA|1C.2.4|2021-01-21
offlu-vcm||||lab-21-a|||A/Sw/France/29-200254/2020|H1N2|Swine|FRA|1C.2.4|2020-08-13
offlu-vcm||||||lab-22-a||A/swine/France/72-210055-1/2021|H1N2|Swine|FRA|1C.2.4|2021-01-11
offlu-vcm||||||||A/swine/AI02395/2022|H1N2|Swine|DEU|1C.2.4|2022-05-19
publicIAV||||||A/swine/Denmark/2017_1224_1_1p1/2017|H1N2|Swine|DNK|1C.2.4|2017-01-01
publicIAV||||||A/swine/Denmark/2017_11806_2_2p1/2017|H1N2|Swine|DNK|1C.2.4|2017-01-01
publicIAV||||||A/swine/Denmark/2017_2178_3_3p1/2017|H1N2|Swine|DNK|1C.2.4|2017-01-01
publicIAV||||||A/swine/Denmark/2017_2139_4_1p1/2017|H1N1|Swine|DNK|1C.2.4|2017-01-01
offlu-vcm|||||||A/swine/Italy/416754/2021|H1N2|Swine|ITA|1C.2.4|2021-12-1
offlu-vcm|||||||A/swine/Italy/110521-5/2022|H1N2|Swine|ITA|1C.2.4|2022-3-31
offlu-vcm|||||lab-21-b|||A/swine/Italy/97879/2021|H1N2|Swine|ITA|1C.2.4|2021-03-19
offlu-vcm|||||lab-21-b||A/swine/Italy/114436/2021|H1N2|Swine|ITA|1C.2.4|2021-04-01
offlu-vcm||||||A/swine/Italy/71791/2022|H1N2|Swine|ITA|1C.2.4|2022-2-28
publicIAV|||||||A/swine/Italy/340406/2020|H1N2|Swine|ITA|1C.2.4|2020-10-23
publicIAV||||||A/swine/Italy/19-125153_7/2019|H1N2|Swine|ITA|1C.2.4|2019-09-26
offlu-vcm||||||||A/swine/Italy/234960/2022|H1N2|Swine|ITA|1C.2.4|2022-07-19
offlu-vcm||||||||A/swine/Italy/26664-01/2023|H1N2|Swine|ITA|1C.2.4|2023-01-24
offlu-vcm||||||||lab-23-b|A/swine/Germany/AI04411/2022|H1N2|Swine|DEU|1C.2.4|2022-08-31
offlu-vcm||||||A/swine/Italy/260451/2021|H1N2|Swine|ITA|1C.2.4|2021-07-30
offlu-vcm||||||A/swine/Italy/348423/2021|H1N2|Swine|ITA|1C.2.4|2021-10-13
publicIAV|||||||A/swine/Italy/258481/2020|H1N2|Swine|ITA|1C.2.4|2020-08-26
publicIAV||||||||A/swine/Italy/49701-6/2022|H1N2|Swine|ITA|1C.2.4|2022-02
publicIAV|||||||A/swine/Italy/332220/2020|H1N2|Swine|ITA|1C.2.4|2020-10-20
publicIAV||||||A/swine/Italy/20-98963_3/2020|H1N1|Swine|ITA|1C.2.4|2020-08-11
offlu-vcm||||||A/swine/Italy/238819-1/2021|H1N1|Swine|ITA|1C.2.4|2021-07-13
publicIAV|||||||A/swine/Italy/326417/2020|H1N1|Swine|ITA|1C.2.4|2020-10-14
offlu-vcm||||lab-21-a|||A/swine/Italy/69273/2020|H1N1|Swine|ITA|1C.2.4|2020-02-26
publicIAV|||||||A/swine/Italy/381442/2020|H1N2|Swine|ITA|1C.2.4|2020-11-23
publicIAV|||||||A/swine/Italy/400367/2020|H1N2|Swine|ITA|1C.2.4|2020-12-07
offlu-vcm|||||||||A/swine/Italy/395812-01/2022|H1N2|Swine|ITA|1C.2.4|2022-11-30
offlu-vcm|||||||||A/swine/Italy/6873-01/2023|H1N2|Swine|ITA|1C.2.4|2023-01-09
offlu-vcm||||||lab-22-a|A/swine/France/56-180424/2018|H1N2|Swine|FRA|1C.2.4|2018-10-23
offlu-vcm||||||||lab-23-b|A/swine/Germany/AI03649/2022|H1N2|Swine|DEU|1C.2.4|2022-07-27
offlu-vcm||||||||A/swine/AI03650/2022|H1N2|Swine|DEU|1C.2.4|2022-07-19
publicIAV||||||A/swine/Denmark/2018_2991_2_1p1/2018|H1N2|Swine|DNK|1C.2.4|2018-01-01
offlu-vcm||||||||A/swine/AI04462/2022|H1N2|Swine|DEU|1C.2.4|2022-12-26
0.02