

Detection of a reassortant H9N2 avian influenza virus with intercontinental gene segments in a resident Australian Chestnut teal

Tarka Raj Bhatta^{1,2}, Anthony Chamings^{1,2}, Jessy Vibin^{1,2}, Marcel Klaassen^{1,3}, and Soren Alexandersen^{1,2,4*}

¹Geelong Centre for Emerging Infectious Diseases, Geelong, Victoria 3220, Australia

²Deakin University, School of Medicine, Geelong, Victoria 3220, Australia

³Deakin University, Centre for Integrative Ecology, Victoria 3220, Australia

⁴Barwon Health, University Hospital Geelong, Geelong, Victoria 3220 Australia

*Corresponding Author: soren.alexandersen@deakin.edu.au; Tel.: +61 (0) 342159635 (S.A)

Received: date; Accepted: date; Published: date

Table S1. Partial sequences of the eight gene segments of AIV obtained from A/Chestnut teal/Australia/CT08.18/2018(H9N2).

Gene Segments	References used for comparisons and region calculations	Accession number	Sequence length (bp)	Region	No. of reads
PB2	A/duck/Bangladesh/26992/2015(H7N9)	KY635525	133	92-224	1
			128	340-467	1
			219	691-909	4
			421	1018-1438	10
			244	1458-1701	4
			173	1810-1982	1
PB1	A/duck/Mongolia/154/2015(H1N2)	LC121274	115	70-184	1
			164	256-419	7
			406	541-946	12
			236	981-1216	3
			238	1277-1514	2
			172	1517-1688	7
			99	1771-1869	1
			165	1872-2036	5
PA	A/Grey Teal/Victoria/GT001/2017(H9N1)	MK213327	139	71-209	1
			196	410-605	1
			140	616-755	1
			277	792-1068	3
			149	1346-1494	1
			229	1904-2132	2
HA	A/Grey Teal/Victoria/GT001/2017(H9N1)	MK213322	326	315-640	10
			396	989-1384	30
			129	1417-1545	3
			124	1585-1708	3
NP	A/RuddyTurnstone/MW02/Tas/2014(H10N8)	MH453824	278	7-284	4
			116	610-725	3
			349	856-1204	9
			105	1437-1541	2
NA	A/duck/Mongolia/154/2015(H1N2)	LC121278	261	209-469	4
			258	648-905	5
			202	914-1115	5
			210	1130-1339	5
M1-M2	A/Grey Teal/Victoria/GT001/2017(H9N1)	MK213323	264	1-264	1
			484	493-976	9
NEP-NS1	A/RuddyTurnstone/MW02/Tas/2014(H10N8)	MH453825	140	39-178	1
			123	256-378	3
			434	431-864	4

Figure S1

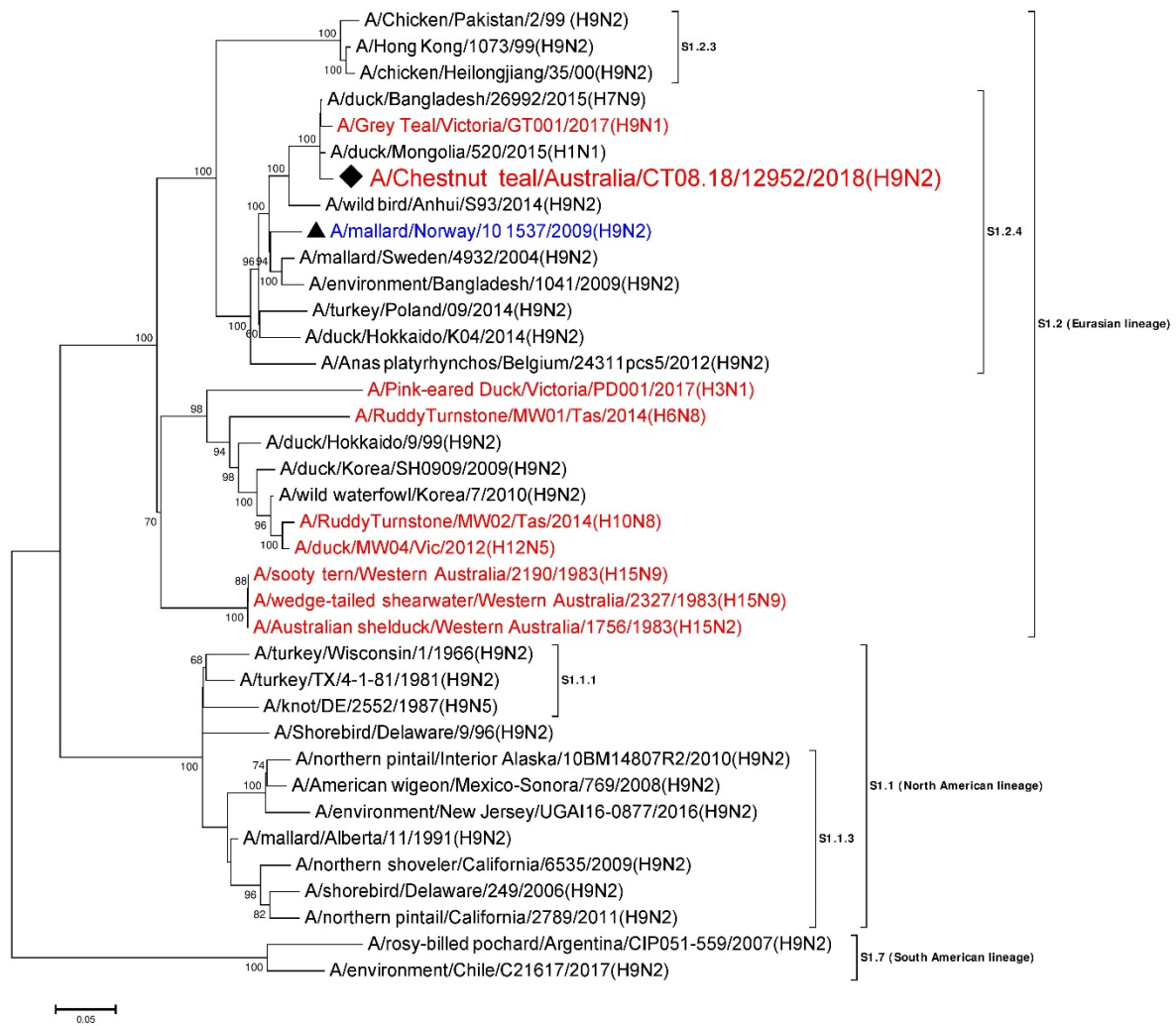


Figure S2

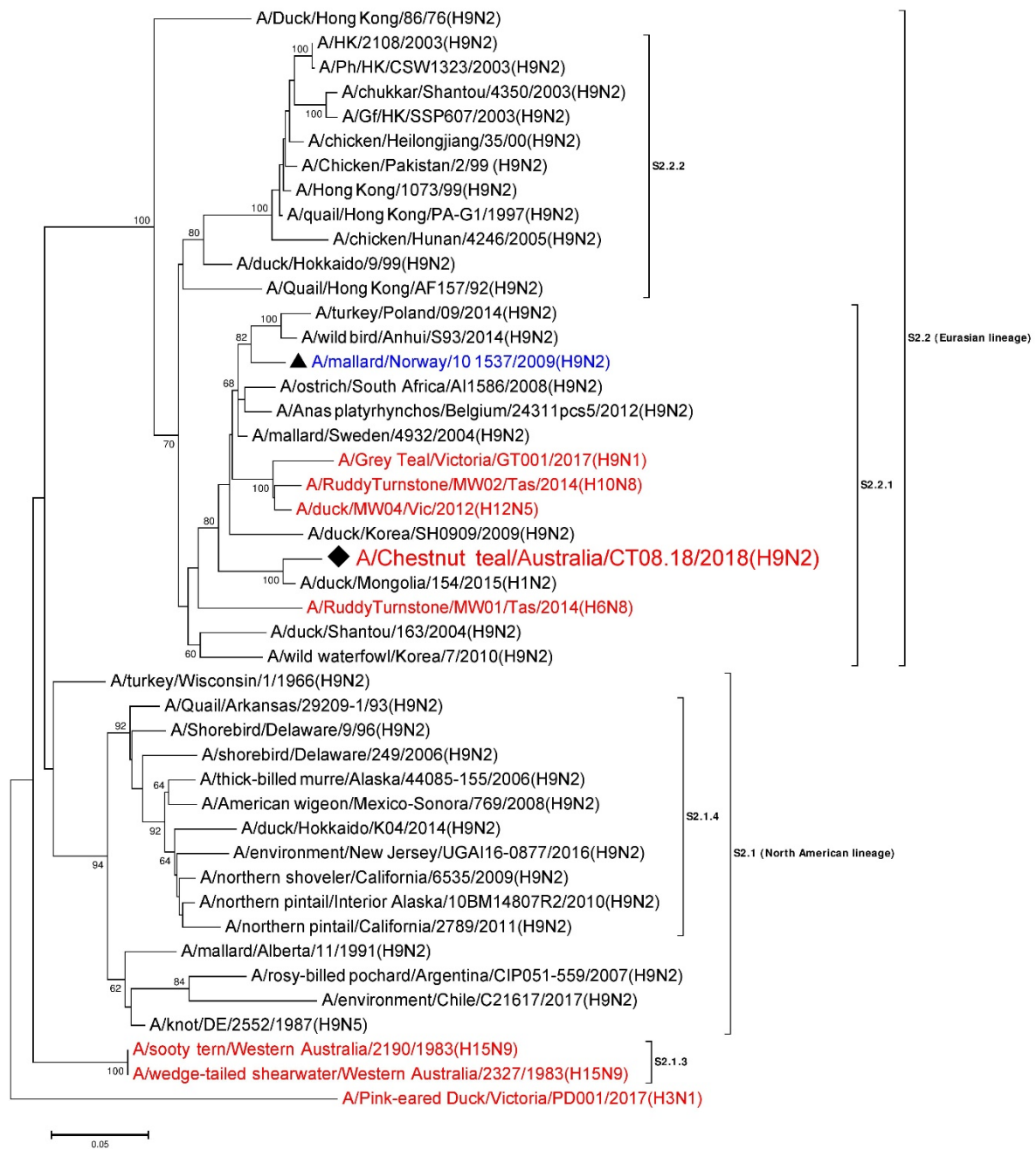


Figure S3

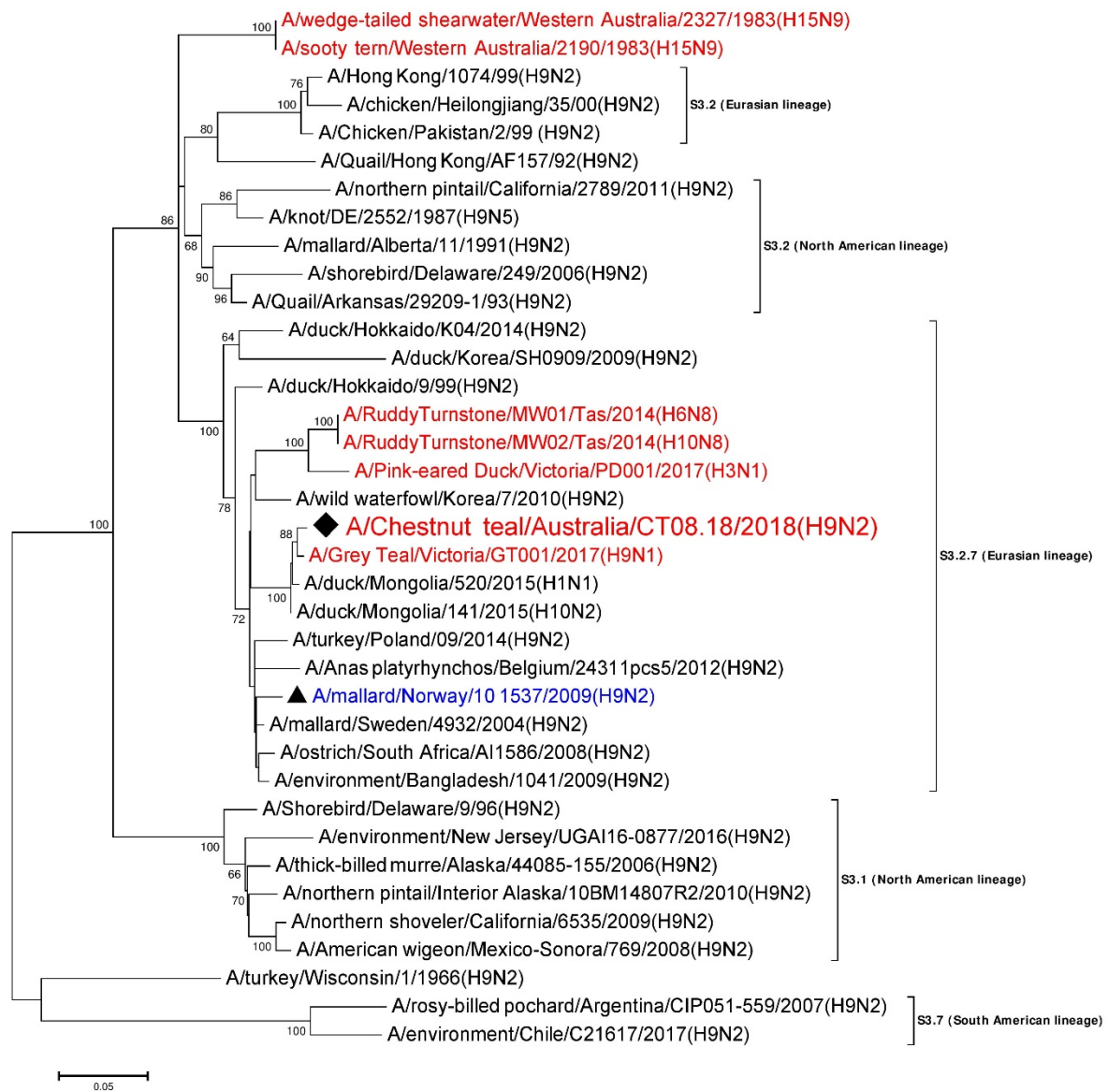


Figure S4

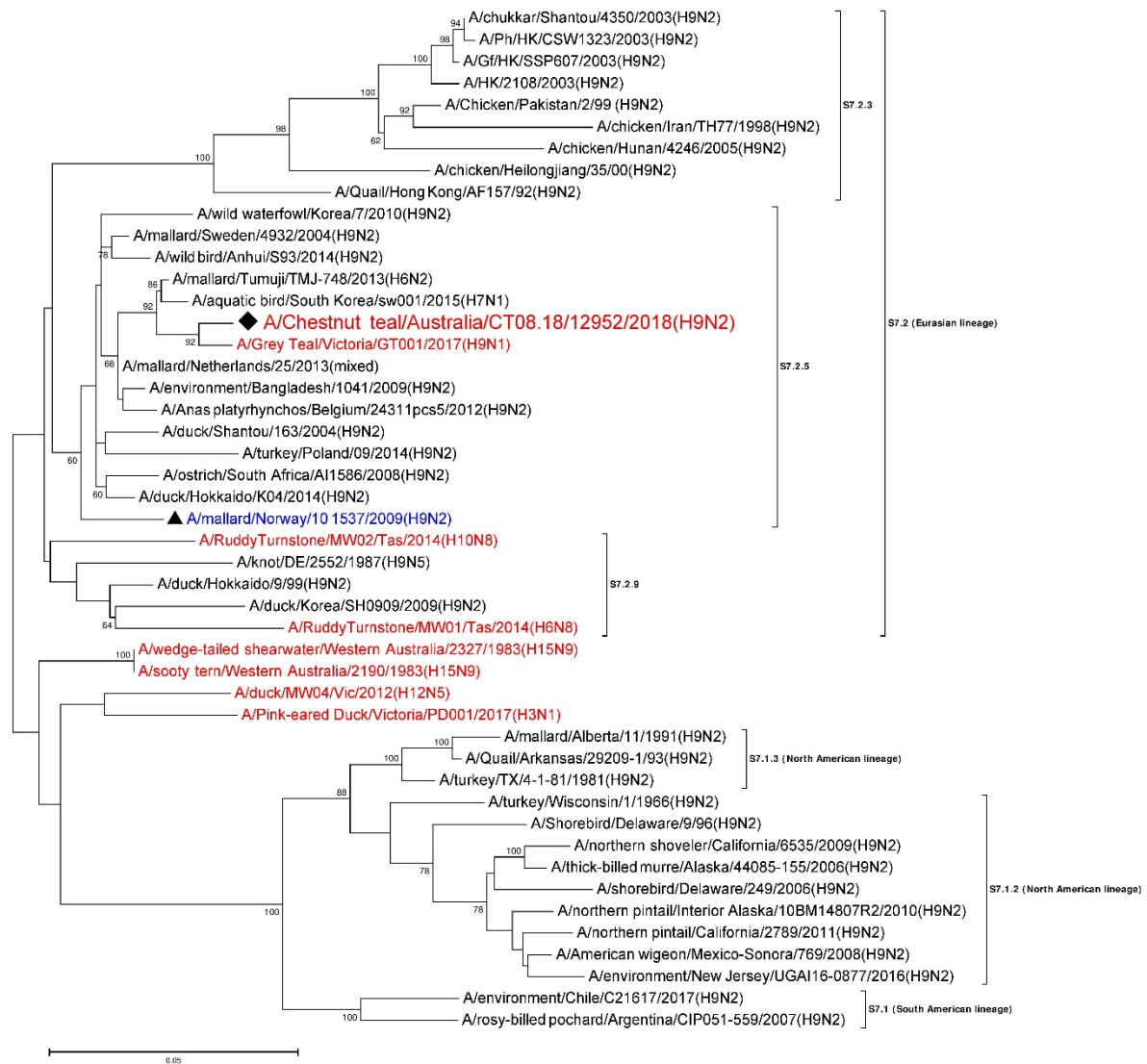


Figure S5

