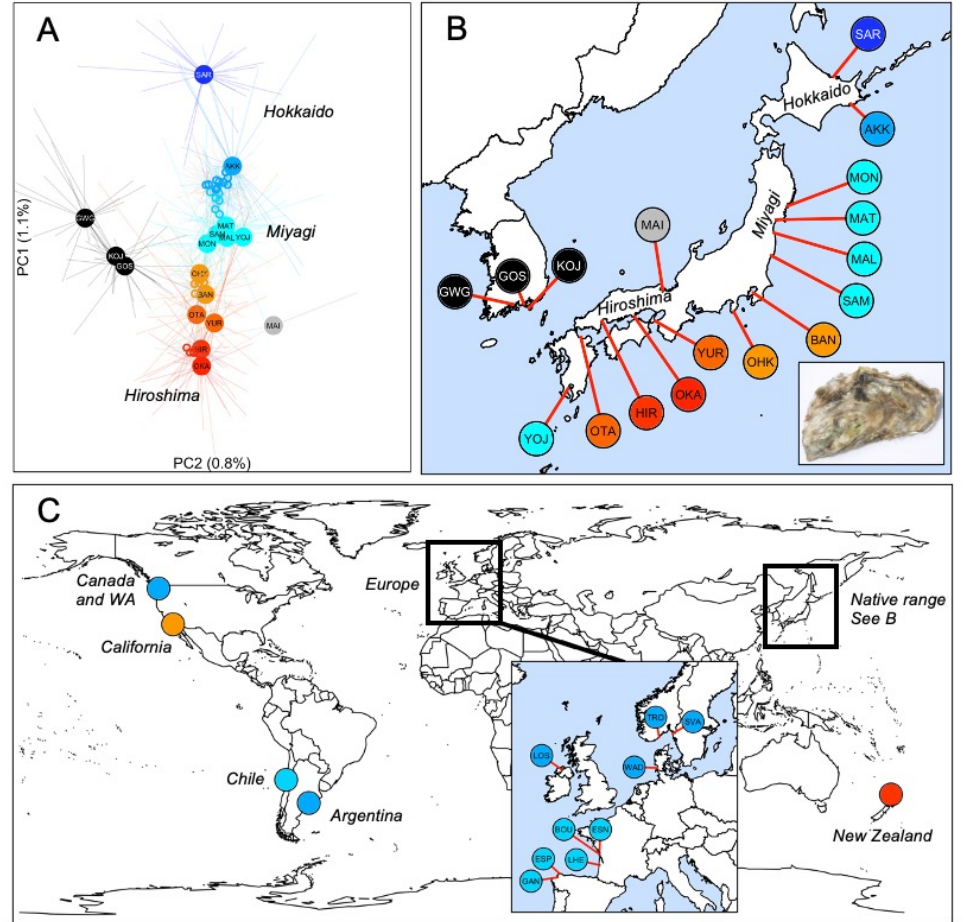
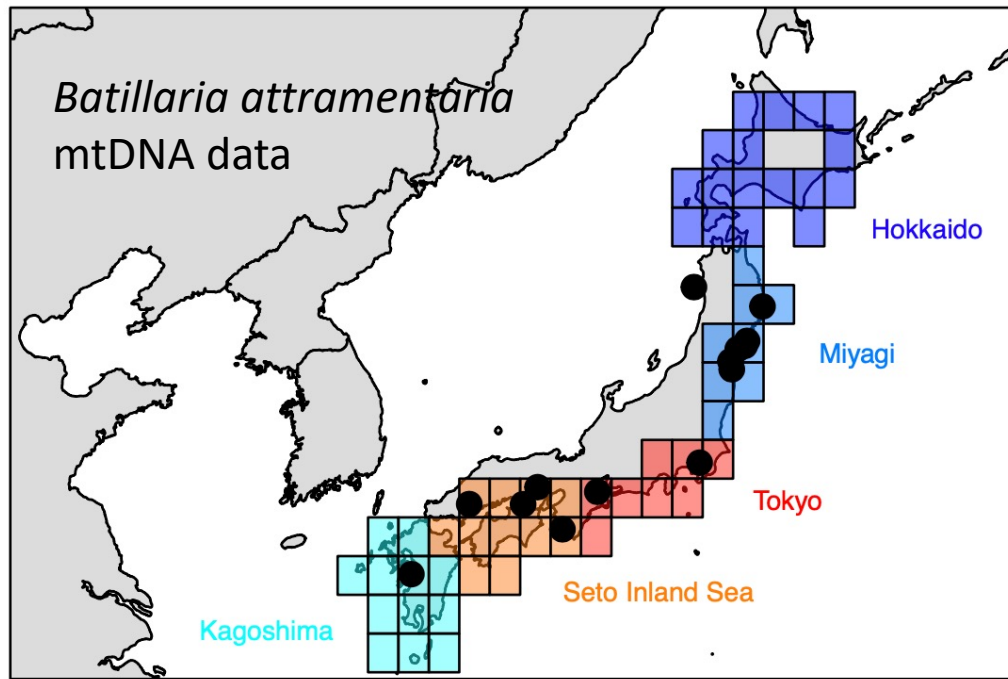


Original data

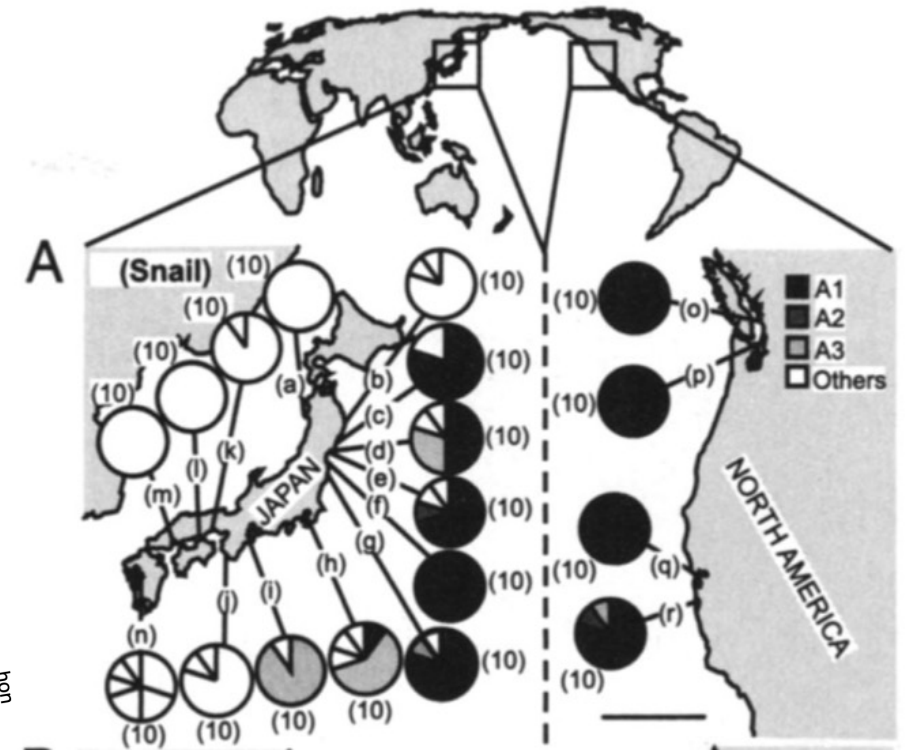


ML output = cross validation accuracy 69.7%

pred	actual							
	Argentina	Chile	EuropeNorth	EuropeSouth	New Zealand	NW America	soCal	
hok	0	1	2	3	0	1	0	
hon	34	14	67	58	2	59	39	
tok	0	0	0	0	0	0	0	
sea	0	3	0	0	54	0	36	
kag	0	0	0	0	0	0	0	
nonSource	0	0	0	0	0	1	0	

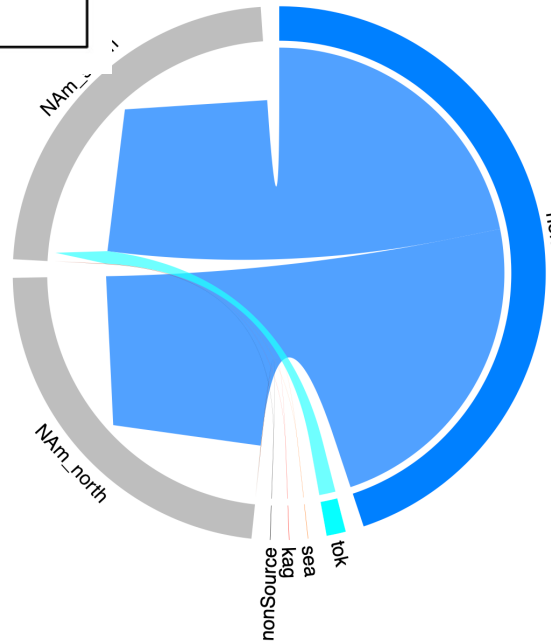


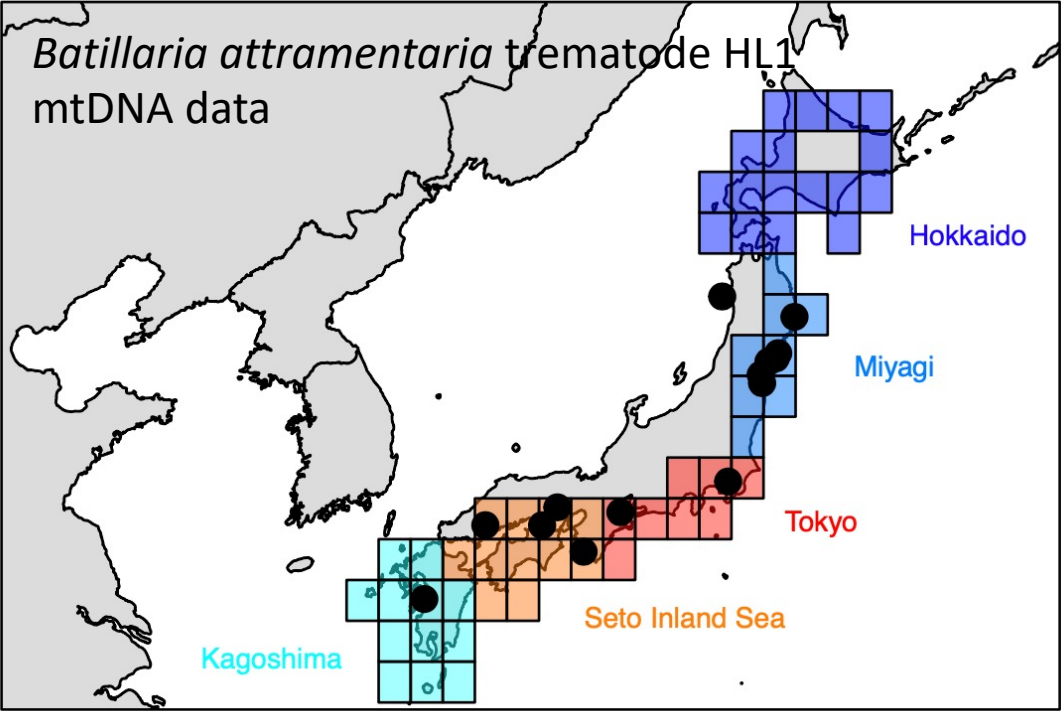
Original data – Miura et al 2006 PNAS



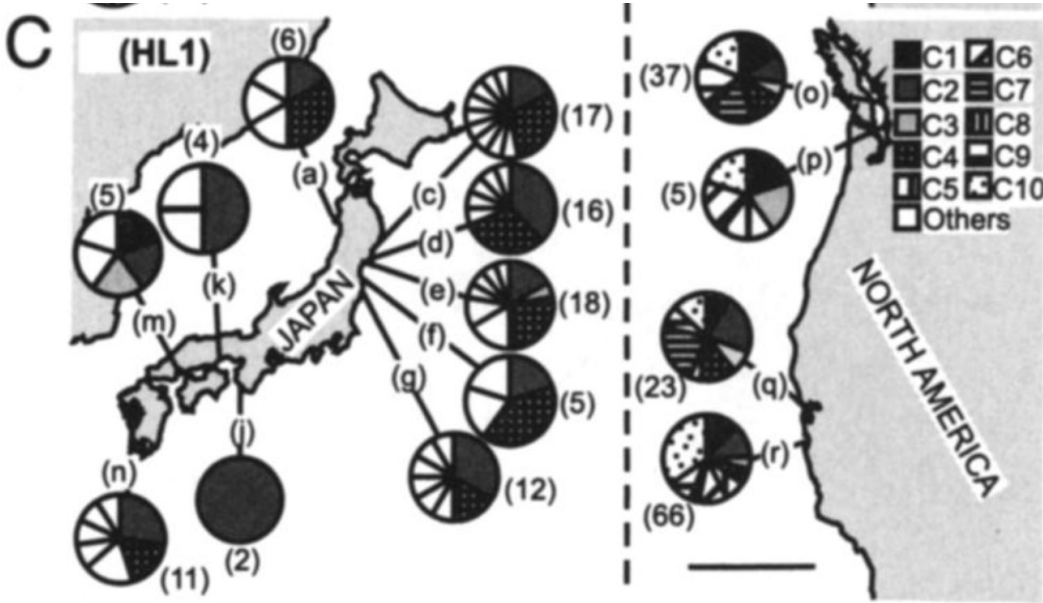
ML output = cross validation accuracy 85.3%

	actual	
pred	NAm_north	NAm_south
hon	20	19
tok	0	1
sea	0	0
kag	0	0
nonSource	0	0



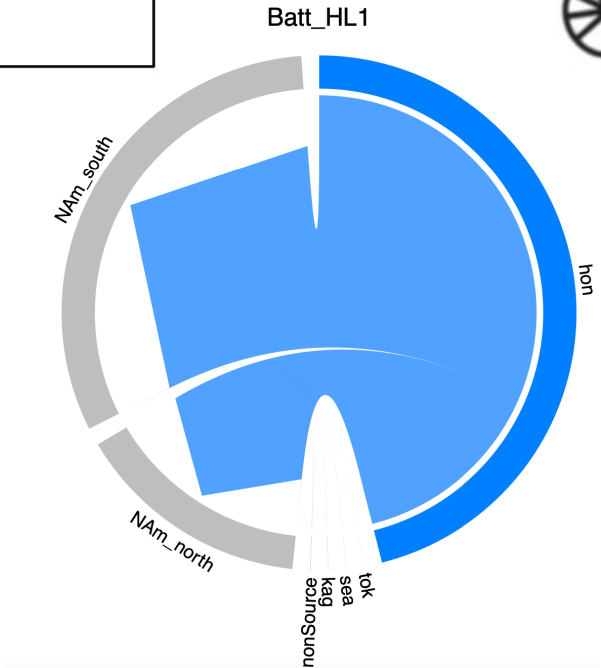


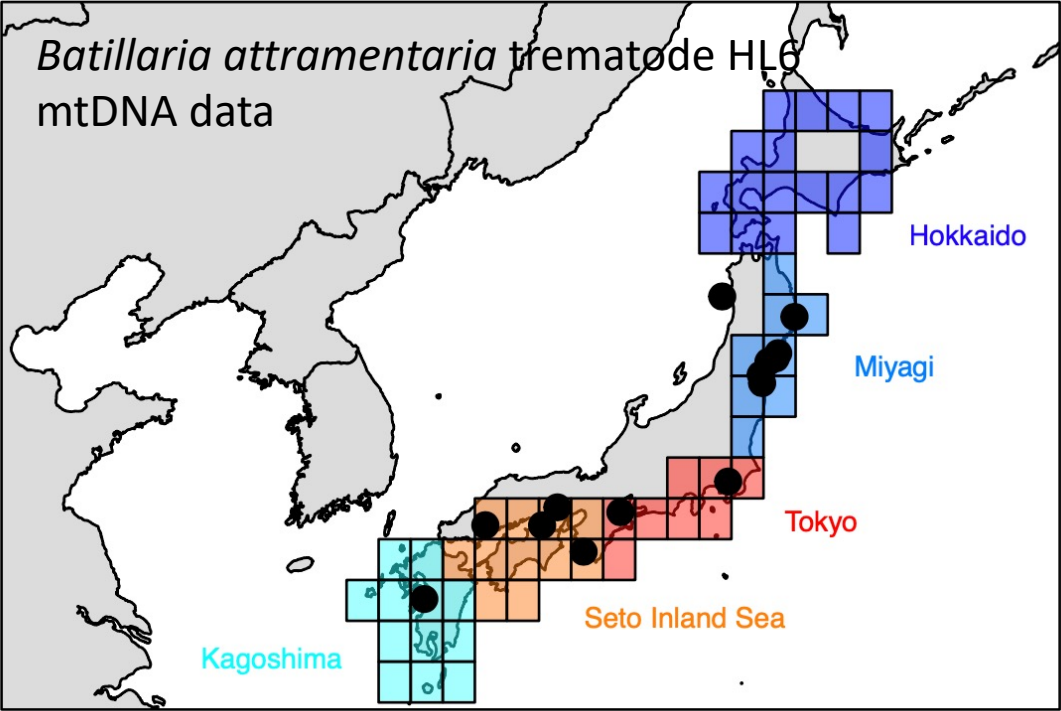
Original data – Miura et al 2006 PNAS



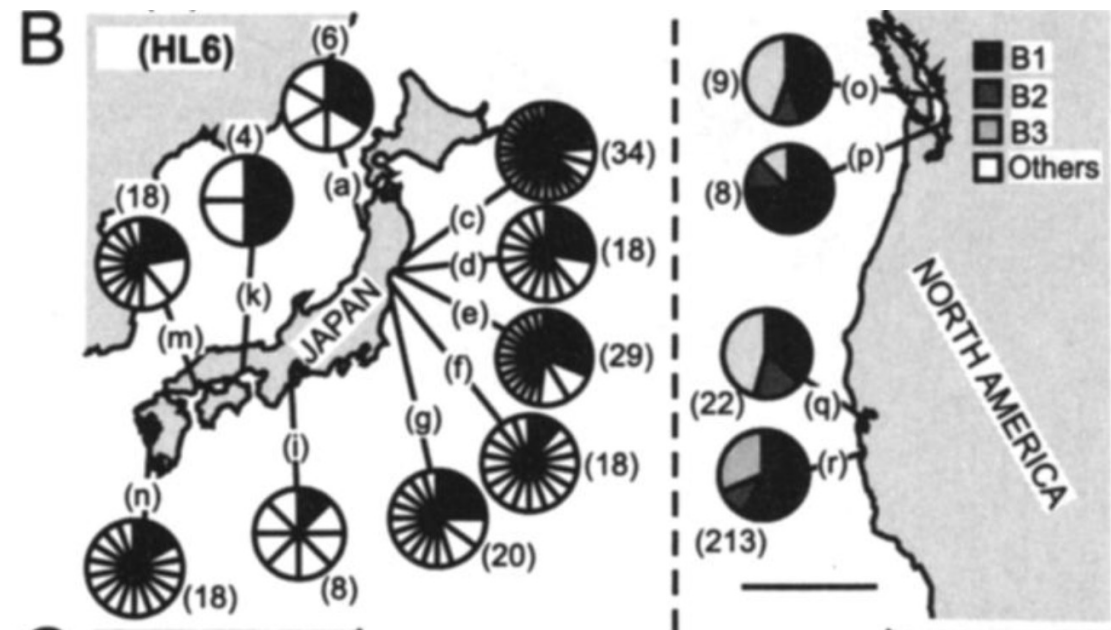
ML output = cross validation accuracy 68.0%

pred	actual	
	NAm_north	NAm_south
hon	42	89
tok	0	0
sea	0	0
kag	0	0
nonSource	0	0



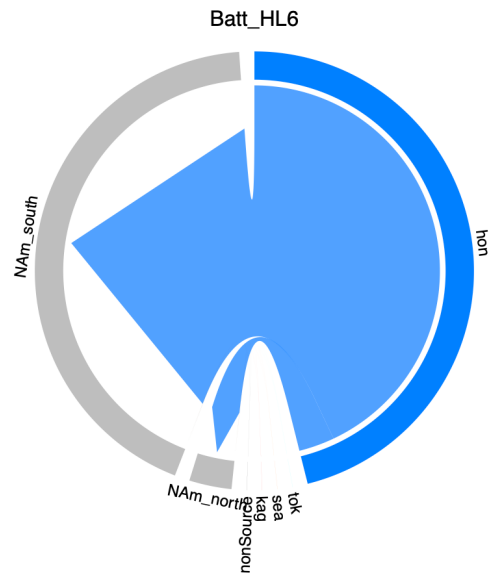


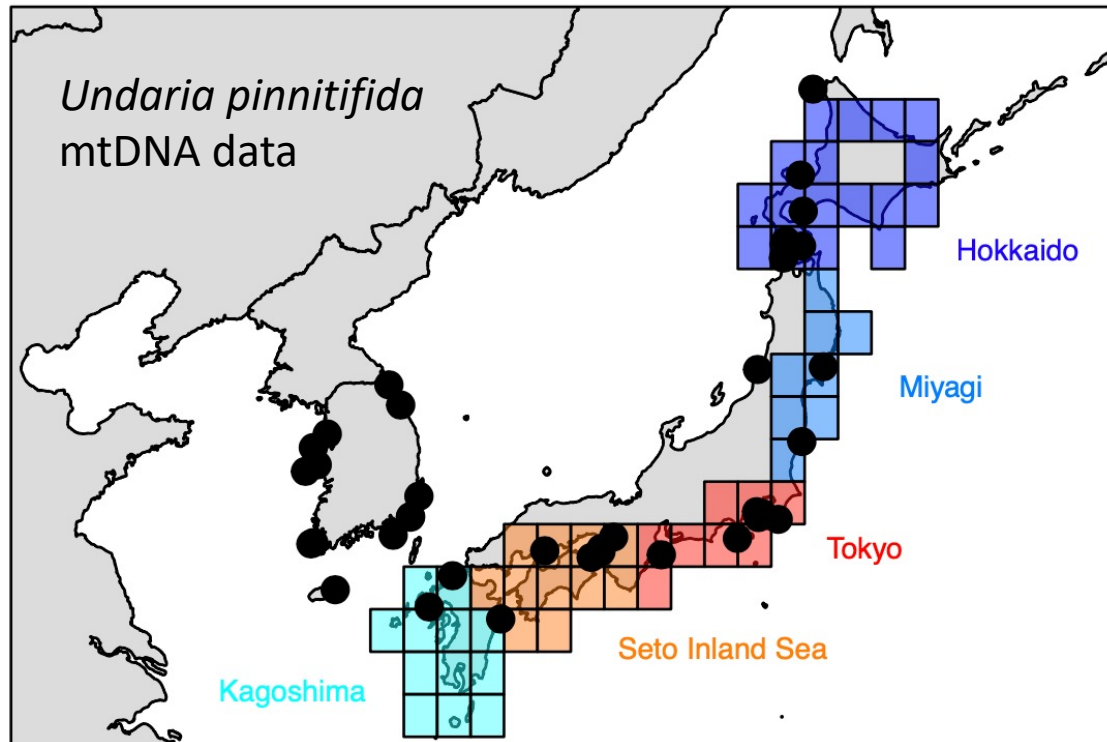
Original data – Miura et al 2006 PNAS



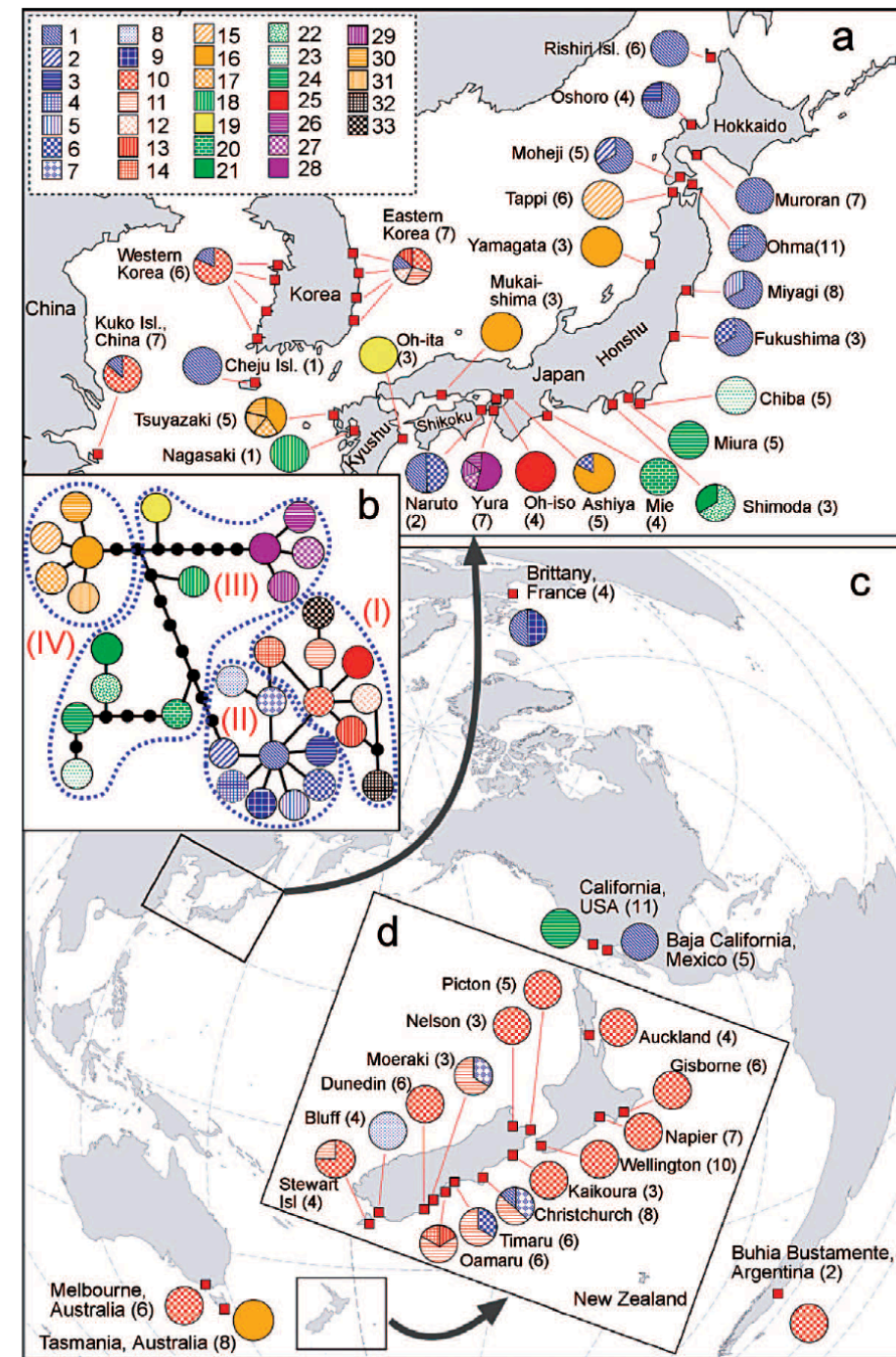
ML output = cross validation accuracy 67.5%

pred	actual	
	NAm_north	NAm_south
hon	17	235
tok	0	0
sea	0	0
kag	0	0
nonSource	0	0



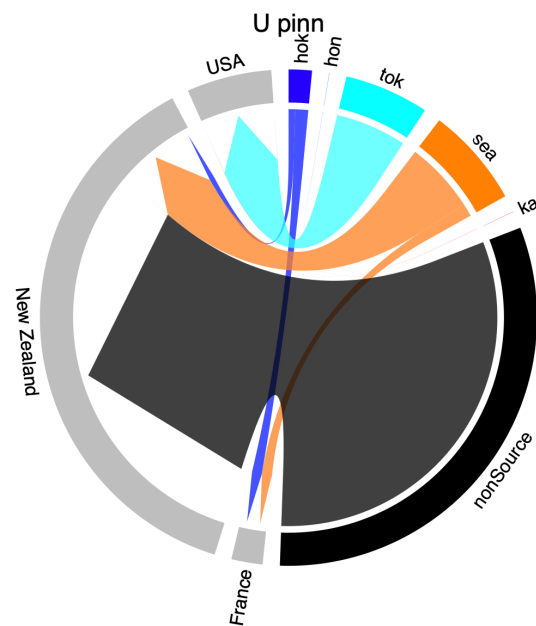


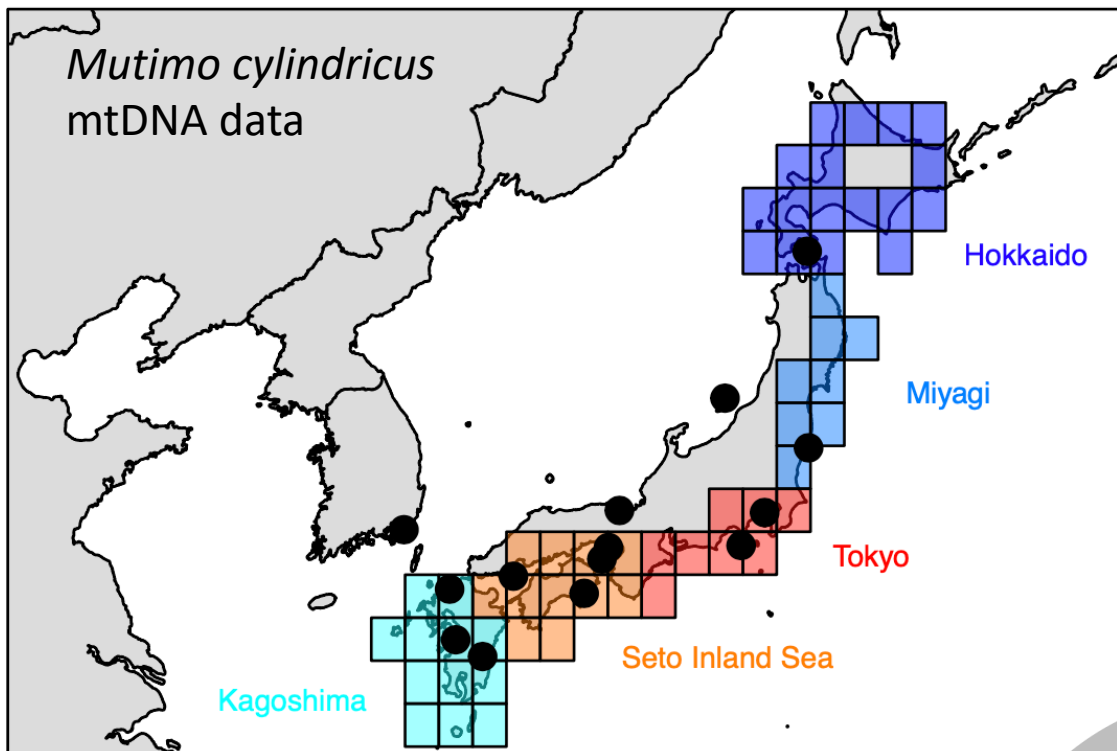
Original data –
Uwai et al 2006



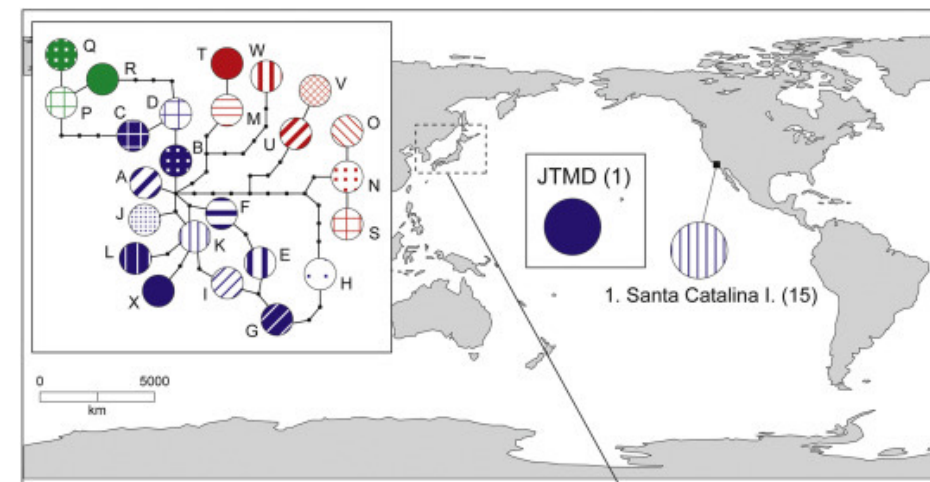
ML output = cross validation accuracy 76.4%

	actual			
pred	France	New Zealand	USA	
hok	2	1	0	
hon	0	0	0	
tok	0	0	11	
sea	2	11	0	
kag	0	0	0	
nonSource	0	63	0	



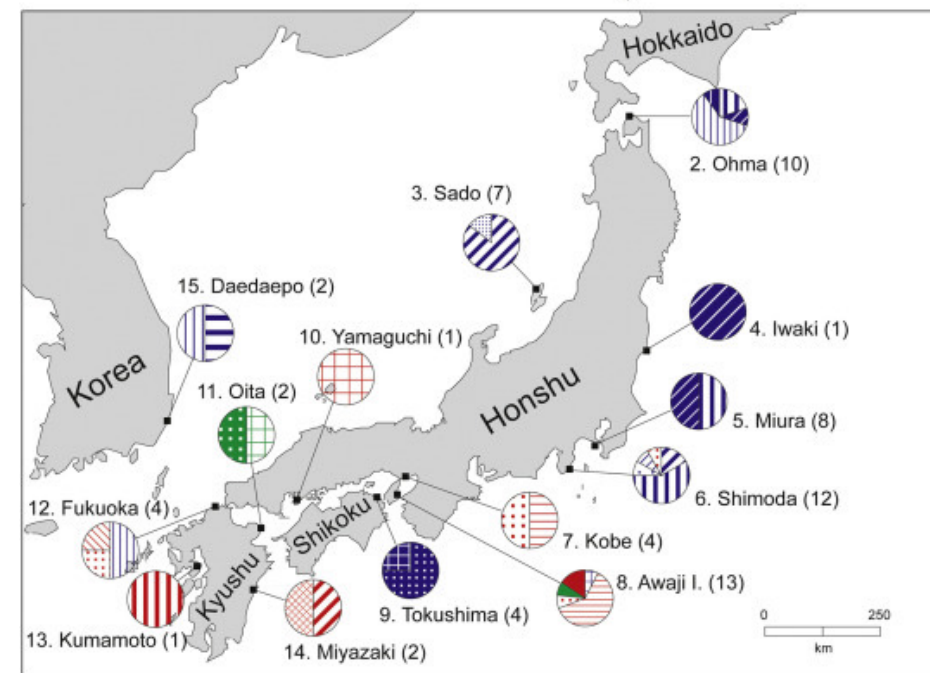
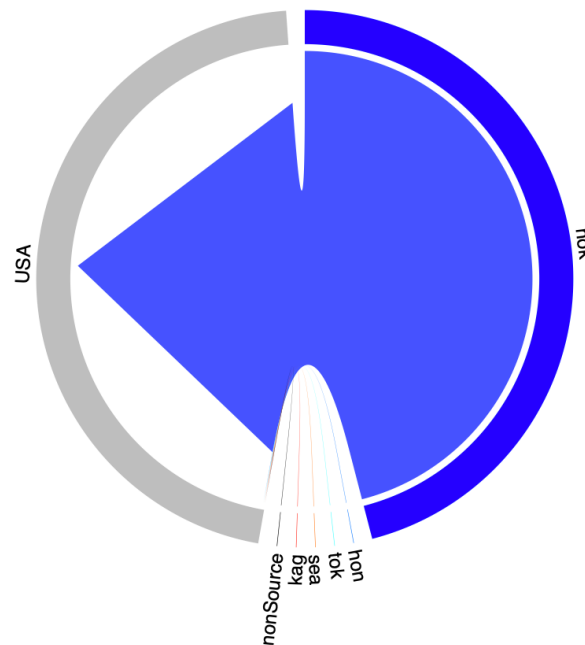


Original data –
Hanyuda et al.
2008



ML output = cross validation accuracy 72.7%

pred	actual
USA	15
hok	0
hon	0
tok	0
sea	0
kag	0
nonSource	0



Undaria pinnatifida
mtDNA data

Original data –
Uwai et al 2006

ML output = cross validation accuracy 76.4%

Cases with no Miyagi

