Table 1. Correlation of the Neogene *Aturia*-bearing Formation in Japan

Ma		Blow zone	Calc. Nanno.	Stage & Fauna	Yuya-wan	Susa	Masuda	Hamada	Tamayu	Oosa	Taka-hama	Kushi-moto	Yatsuo	Ichi-shi	Chita	Mizu-nami	Shiga	Chichi bu	Hiki	Miura	Boso	Joban	Cl. Optimum TM → TR
0	Plioce.	N 23	CN14																				
		N 22	CN13	Yuzanjian																			
		N 21	CN12	Kechienji.																			
				Suchian																			
		N 19	c	Totomian																			
5		N 18	CN10 b a	Yuian																	Senha-ta Ⓔ(C)		→3
	Up. Mio.	N 17	CN9 b a																				
			CN8																				
		N 16	CN7 b a																				
10	Mid. Miocene	N 15	CN6														Aoki Ⓑ(R)				Amatsu Ⓑ(R)	Kokozura Ⓓ(R)	→2
		N 14																					
		N 13	b						Fujina Ⓑ(R)														
		N 12 N 11 N 10	CN5 a	Shiobara Fauna																	Kinone Ⓑ(R)		
15		N 9	CN4		Kadoya-ma Ⓑ(R)	Maeji Ⓑ(R)	Masuda Gr. Ⓑ(R)	Togane Ⓑ(R)		Bihoku Gr. Ⓑ(R)	Uchiu-ra Gr. Ⓑ(VA)		Kurose-dani Ⓑ(R)			Oidaw.	Ⓑ(R)		Tokiga-wa					
		N 8	CN3	Kadonosawa Fauna								Tanami				Shuku.	Ⓑ(R)	Nagura	Ⓑ(R)				→1
		N 7	CN2	Akeyo Fauna								Ⓑ(R)		Ooi Ⓑ(R)	Toyoha-ma	Akeyo	Ⓒ(R) Ⓑ(A)	Ⓑ(R)		Morito Ⓑ(R)			
20		N 5		Ashiya Fauna											Ⓑ(R)								
		N 4																					

Species: Ⓑ=Aturia cubaensis, Ⓒ=A. complanata, Ⓓ=A. formae, Ⓔ=A. coxi

Occurrence: VA (more than 20), A (10-19), C (5-9), R (less than 5)

TM: temperate, TR: tropical