	Si Table 1. Summary of chromosome waiking steps.					
		Probe used	Wethod of			
	BAC clone	for library	library	Insert size	BAC end	- · · · · · · · · ·
	ID (HNB) *	screening	screening	(kb)+	properties ³	Derived marker and its source in parentheses [®]
1	506B03	sKT9	PCR	85	lc/rep	BK91(BAC F end), BK93(<i>Bam</i> H I subcloning)
2	225H15	sKT9	PCR	110	lc/rep	
3	216M18	BK91	PCR	125	rep/lc	
4	222C16	BK91	PCR	150	lc/rep	
5	370O10	BK91	PCR	105	lc/rep	
6	549K03	BK93	PCR	105	both rep	
7	100N15	ABRS3	PCR	109	both rep	
8	106O20	ABRS3	PCR	64	rep/lc	wHNB322(BAC R end)
9	615N19	ABRS3	PCR	116	both rep	
10	624K08	ABRS3	PCR	113	both rep	
11	652H03	ABRS3	PCR	114	rep/lc	wHNB352(BAC R end)
12	629A14	ABRS3	PCR	105	both rep	
13	520D05	wHNB352	HYB	104	lc/rep	wHNB371(BAC F end)
14	589B20	wHNB352	HYB	132	both rep	sHNB386(Acc I subcloning)
15	035P04	sHNB386	PCR	98	lc/rep	HNB391 (BAC F end)
16	058D05	HNB391	PCR	89	both rep	
17	233N01	HNB391	PCR	94	both Ic	HNB3112(BAC R end), HNB3115 and HNB3116(both BAC sequence data)
18	421N15	HNB391	PCR	119	not analyzed	
19	526E13	HNB391	PCR	100	not analyzed	
20	526K03	HNB391	PCR	100	not analyzed	

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*Haruna Nijo BAC (HNB) clone ID name. Clones subjected to sequencing were marked in yellow;

other critical BAC clones shown in Fig. 2A were marked in blue.

[†]HYB indicates hybridization to high-density colony membrane; PCR indicates PCR screening.

[‡]The insert size was estimated using pulse field gel electrophoresis, except for three clones (106O20, 035P04 and 233N01),

which were completely shotgun-sequenced.

[§]BAC orientation is F end/ R end based on the M13 sequencing primers; lc indicates low copy, and rep indicates repetitive sequence.

¹BAC end indicates BAC end sequencing; the letter F or R denotes the BAC insert end side from which the marker was developed.