



FIGURE S1 Morphology of young hybrids and their progenitors (A-K). (A) *B. rapa* (3H120), genomes AA. (B) *B. nigra* cv. Giebra, BB. (C) *B. oleracea* var. *alboglabra* L. (ChiJielan), CC. (D) BB.A. (E) CC.A. (F) CC.B. (G) A.B. (H) A.C. (I) B.C. (J) A.C.B. (K) C.A.B. All bars, 5cm

Table S1 Meiotic pairings in PMCs of hybrids at diakinesis and metaphase I by conventional method

Hybrids	Mean frequencies and Ranges						PMCs with M (%)	Total PMCs	Pollen fertility (%)
	I		II		III				
	Means	Ranges	Means	Ranges	Means	Ranges			
A.B	7.35	2-16	4.01	0-8	0.45	0-2	44.1	161	1.75
A.C	3.32	1-11	7.51	4-9	0.22	0-1	21.95	82	4.88
B.C	9.20	7-15	1.78	1-5	0.56	0-2	60.18	221	9.11
A.C.B	5.06	1-18	10.12	0-13	0.57	0-3	55.68	176	-
BB.A	7.62	4-12	8.40	2-10	0.50	0-2	45.28	84	25.33
C.A.B	5.99	1-11	9.74	0-12	0.51	0-1	50.83	120	-
CC.A	4.06	0-13	11.41	6-14	0.38	0-1	37.67	146	3.51
CC.B	6.49	4 - 13	8.51	2 - 10	0.83	0-3	56.6	53	17.56

Univalent = I, bivalent = II, trivalent = III, M: multivalents

Table S2 Means and percentages of trivalents per cell at metaphase I in hybrids revealed by FISH

Hybrids	Total	A-A-A	B-B-B	C-C-C	A-A-B	A-B-B	A-A-C	A-C-C	A-B-C	B-B-C	B-C-C
	range	M (F%)	M (F%)	M (F%)	M (F%)	M (F%)	M (F%)	M (F%)	M (F%)	M (F%)	M (F%)
A.B	0.75	0.03			0.44	0.28					
	0-3	(3.3)	-	-	(37.7)	(26.23)	-	-	-	-	-
A.C	0.86	0.23		0.10			0.32	0.23			
	0-3	(22.73)	-	(9.09)	-	-	(27.27)	(22.73)	-	-	-
B.C	0.65		0.03	0.10						0.25	0.27
	0-3	-	(3.3)	(10)	-	-	-	-	-	(23.33)	(23.33)
A.C.B	0.41					0.05	0.14	0.05	0.18		
	0-1	-	-	-	-	(4.55)	(13.64)	(4.55)	(18.18)	-	-
BB.A	0.85	0.06	0.18		0.15	0.47					
	0-2	(5.88)	(17.65)	-	(14.71)	(38.24)	-	-	-	-	-
CC.A	0.44			0.12			0.06	0.26			
	0-1	-	-	(11.76)	-	-	(5.88)	(26.47)	-	-	-
CC.B	0.80			0.20							0.60
	0-2	-	-	(10)	-	-	-	-	-	-	(50)

M: means of trivalents for each type. (F %): frequency of PMCs with trivalents.