

Table S4. Mapping of genes and markers whose *B. mori* orthologues are located near the boundaries between ancient chromosomes in previous studies.

<i>B. mori</i>		Other lepidopteran species			
LG	location in Kaikobase	Species*	LG/Chr.	marker	References
11	2426323-2420596	<i>Manduca sexta</i> (n=28)	26	AY172672	Yasukochi et al. (2009)
11	3013878-3014357	<i>Helicoverpa armigera</i>	11	BU038739	Sahara et al. (2013)
11	3045089-3045933	<i>Mamestra brassicae</i>	11	FS940728	Sahara et al. (2013)
11	3973107-3982669	<i>Biston betularia</i>	11	JF811446	Van't Hof et al. (2013)
11	4005577-4006128	<i>Bicyclus anyama</i> (n=28)	28	BaC5486	Beldade et al. (2009)
11	6271907-6272776	<i>Bicyclus anyama</i> (n=28)	11	BaC898	Beldade et al. (2009)
		<i>Mamestra brassicae</i>	29	FS940502	Sahara et al. (2013)
11	6284936-6284433	<i>Helicoverpa armigera</i>	29	EY118212	Sahara et al. (2013)
11	6321704-6320023	<i>Manduca sexta</i> (n=28)	11	BE015478	Yasukochi et al. (2009)
11	7718324-7724331	<i>Biston betularia</i>	29	HM449923	Van't Hof et al. (2013)
23	15074733-15082387	<i>Biston betularia</i>	23	JF811452	Van't Hof et al. (2013)
23	16910042-16906460	<i>Manduca sexta</i> (n=28)	23	L07609	Yasukochi et al. (2009)
		<i>Bicyclus anyama</i> (n=28)	23	BaC5729	Beldade et al. (2009)
23	17010653-17020983	<i>Mamestra brassicae</i>	23	FS939804	Sahara et al. (2013)
23	17064070-17071002	<i>Helicoverpa armigera</i>	23	EY117529	Sahara et al. (2013)
23	17417143-17410092	<i>Biston betularia</i>	30	HM449937	Van't Hof et al. (2013)
23	17507249-17510154	<i>Bicyclus anyama</i> (n=28)	16	BaC2850	Beldade et al. (2009)
23	18752593-18645601	<i>Helicoverpa armigera</i>	30	EU599568	Sahara et al. (2013)
23	19288847-19291160	<i>Mamestra brassicae</i>	30	FS940691	Sahara et al. (2013)
23	21738052-21737768	<i>Manduca sexta</i> (n=28)	15	CA798823	Yasukochi et al. (2009)
24	2084060-2089078	<i>Bicyclus anyama</i> (n=28)	2	BaC495	Beldade et al. (2009)
		<i>Manduca sexta</i> (n=28)	24	AI142205	Yasukochi et al. (2009)
24	2709628-2699047	<i>Mamestra brassicae</i>	31	FS940200	Sahara et al. (2013)
24	7155448-7171578	<i>Helicoverpa armigera</i>	31	EY119869	Sahara et al. (2013)
24	8712977-8719098	<i>Biston betularia</i>	31	HM355922	Van't Hof et al. (2013)
24	11537851-11527820	<i>Biston betularia</i>	24	HM449862	Van't Hof et al. (2013)
		<i>Mamestra brassicae</i>	24	FS940666	Sahara et al. (2013)
24	13271278-13257578	<i>Manduca sexta</i> (n=28)	22	BE015464	Yasukochi et al. (2009)
24	13879316-13879077	<i>Bicyclus anyama</i> (n=28)	24	BaC2002	Beldade et al. (2009)
24	16082543-16081322	<i>Helicoverpa armigera</i>	24	EE399450	Sahara et al. (2013)

* Parentheses indicate haploid chromosome number of each species excluding n = 31