

Table S3 Results of linkage disequilibrium (LD) test from Arlequin

Linked Allele (<i>DAB</i> – <i>UAA</i>)	Population															
	Wild		YX		LGT		DQ		BJ		SD		HN		Overall	
	<i>D'</i> ^a	LD test ^b	<i>D'</i>	LD test	<i>D'</i>	LD test	<i>D'</i>	LD test	<i>D'</i>	LD test	<i>D'</i>	LD test	<i>D'</i>	LD test	<i>D'</i>	LD test
01–01	1.00		1.00*		1.00		1.00*		/		/		/		1.00*	
01–02	-1.00		-1.00		-1.00		-1.00		/		/		/		-1.00	
02–01	1.00*	$\chi^2 =$	1.00*	$\chi^2 =$	0.93*	$\chi^2 =$	0.93*	$\chi^2 =$	1.00*	$\chi^2 =$	1.00*	$\chi^2 =$	1.00*	$\chi^2 =$	0.97*	$\chi^2 =$
02–02	-1.00	11.470	-1.00	65.306	-0.93	59.369	-0.93	52.419	-1.00	17.408	-1.00	8.918	-1.00	86.545	-0.97	259.219
03–01	-1.00	(<i>P</i> =	-1.00	(<i>P</i> =	-1.00	(<i>P</i> =	-1.00	(<i>P</i> =	-0.51	(<i>P</i> =	-0.75	(<i>P</i> =	-0.94	(<i>P</i> =	-0.80	(<i>P</i> =
03–02	1.00*	0.009, 3 d.f.)	1.00*	0.000, 3 d.f.)	1.00*	0.000, 3 d.f.)	1.00*	0.000, 3 d.f.)	0.51*	0.000, 2 d.f.)	0.75*	0.012, 2 d.f.)	0.94*	0.000, 2 d.f.)	0.80*	0.000, 3 d.f.)
04–01	-0.20		-0.05		-0.12		-0.48		-0.20		0.52		0.89*		0.18	
04–02	0.20		0.05		0.12		0.48*		0.20		-0.52		-0.89		-0.18	

^aStandard disequilibrium value ($D' = D / D_{\max}$), calculated between linked alleles based on estimated haplotypes (gametic phase known). Significant values are indicated by asterisks ($P < 0.05$). There was no value when a certain *DAB* allele was absent with both *UAA* alleles, and this is indicated by a slash. ^bResults of LD tests performed between *DAB* and *UAA* via a likelihood ratio test (gametic phase known).