

Table 3 Observed between and within sire variance (expressed as percentage of phenotypic variation) for WFC, AFC, FDP, FCI, FSP, FLMY, HLMY and FLP under model 2 and 8

Observed family	Model	Means of squares															
		WF	%	AFC	%	FDP	%	FCI	%	FSP	%	FL	%	HLM	%	FLP	%
$\sigma^2_s$ (PHS)	2	31.7	0.	481	9.	322.	3	866.	5.	690.	4.44	168	6.7	80104	4.3	266.	6.4
		3	96	9.44	64	03	.	78	51	37		47.2	6	.88	7	61	5
								5				6					
$\sigma^2_w$ (PHS)	2	327	99	451	90	888	9	148	94	148	95.5	232	93.	17543	95.	386	93.
		2.92	.0	64.4	.3	6.70	6	78.2	.4	55.3	6	192.	24	97.06	63	4.53	55
			4	5	6		.	9	9	1		49					
$\sigma^2_s$ (PHS)	8	40.5	1.	560	11	287.	3	834.	5.	554.	3.56	175	7.0	80527	4.3	249.	6.0
		3	23	9.78	.0	43	.	30	28	28		67.7	0	.12	8	48	1
$\sigma^2_w$ (PHS)	8	326	98	452	88	893	9	149	94	150	96.4	233	93.	17579	95.	389	93.
		3.62	.7	84.0	.9	0.82	6	59.6	.7	15.1	4	315.	00	06.57	62	8.39	99

Note:  $\sigma^2_s$ =between sire, component of variance,  $\sigma^2_w$ =within sire component of variance PHS=Paternal half-sibs