

Table 9 Covariance matrices for WFC, AFC, FDP, FCI, FSP, FLMY, HLMY and FLP from model 2

Parameters	WFC	AFC	FLMY	HLMY	FLP	FDP	FCI	FSP	
A <sub>a</sub>	WFC	1.000	-0.944	0.076	0.351	0.061	0.375	0.310	0.099
	AFC		1.000	0.070	0.171	0.418	0.109	0.247	0.259
	FLMY			1.000	0.941	0.884	0.746	0.961	0.940
	HLMY				1.000	0.993	0.851	1.092	0.906
	FLP					1.000	0.529	0.840	0.933
	FDP						1.000	0.880	0.571
	FCI							1.000	0.825
	FSP								1.000
E <sub>b</sub>	WFC	1.000	0.050	-0.007	-0.009	-0.056	0.019	-0.012	0.013
	AFC		1.000	0.068	-0.025	-0.114	-0.013	-0.056	-0.103
	FLMY			1.000	0.660	0.397	-0.142	0.074	0.020
	HLMY				1.000	0.121	-0.174	-0.086	-0.071
	FLP					1.000	0.103	0.572	0.417
	FDP						1.000	0.851	0.728
	FCI							1.000	0.800
	FSP								1.000
P <sub>c</sub>	WFC	1.000	-0.076	0.002	0.021	-0.041	0.045	0.018	0.020
	AFC		1.000	0.068	0.027	0.055	0.016	0.033	-0.005
	FLMY			1.000	0.717	0.525	0.033	0.290	0.222
	HLMY				1.000	0.305	-0.014	0.145	0.101
	FLP					1.000	0.183	0.636	0.525
	FDP						1.000	0.851	0.702
	FCI							1.000	0.800
	FSP								1.000

Note: Where, a. Indicates direct additive genetic covariance; b. Indicates environmental covariance; c. Indicates phenotypic covariance