

Early adolescence			Late adolescence			
Position	Parameter	Frequency	Position	Parameter	Frequency	
1	Fcm	21	1	Bur_night	8	
	Heimk_drinking	6		Fcm	31	
	Homecage_feeding	15		Heimk_drinking	2	
	Irwin	2		Irwin	42	
	OF_distance	1		OF_jumps	3	
	OF_jumps	13		Temp	14	
	SP_percentage	2				
	Temp	40				
2	Fcm	16	2	Bur_night	9	
	Heimk_drinking	8		Fcm	44	
	Homecage_feeding	39		Heimk_drinking	12	
	Irwin	1		Homecage_feeding	4	
	Nesting_sum	2		Irwin	20	
	OF_distance	1		OF_jumps	3	
	OF_jumps	5		Temp	8	
	Temp	28				
3	Fcm	21	3	Bur_night	23	
	Heimk_drinking	8		Fcm	14	
	Homecage_feeding	38		Heimk_drinking	25	
	Irwin	3		Homecage_feeding	6	
	Nesting_sum	4		Irwin	6	
	OF_distance	5		Nesting_sum	1	
	OF_jumps	4		OF_jumps	4	
	OF_wall	4		OF_wall	13	
Temp	13	Temp	8			
4	Fcm	7	4	Bur_night	11	
	Heimk_drinking	10		Fcm	8	
	Homecage_feeding	5		Heimk_drinking	23	
	Irwin	2		Homecage_feeding	16	
	Nesting_sum	27		Irwin	3	
			Nesting_sum	9		
			OF_jumps	4		
			OF_wall	18		

**Table S9. Top 30 parameters after 100 PCA runs of the training set. Genetic models.**