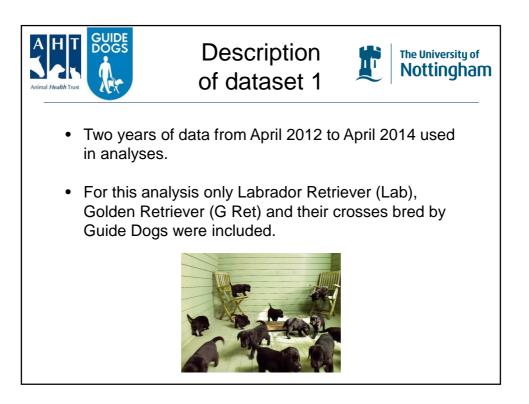


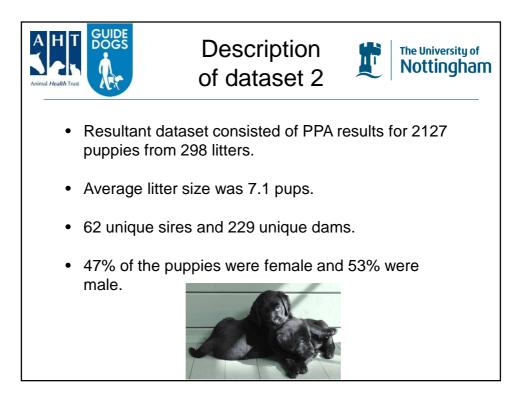
A H T Animal Health Trust		description 2 It Nottingham
	Component	Description
	1	Following
	2a	Retrieve – response to stimulus
	2b	Retrieve - response to assessor
	3	Restraint
	4	Noise
	5a	Stroking – response to stimulus
	5b	Stroking – response to assessor
	6a	Squirrel – response to stimulus
	6b	Squirrel – response to assessor
	7	Tunnel
	8	Ramp



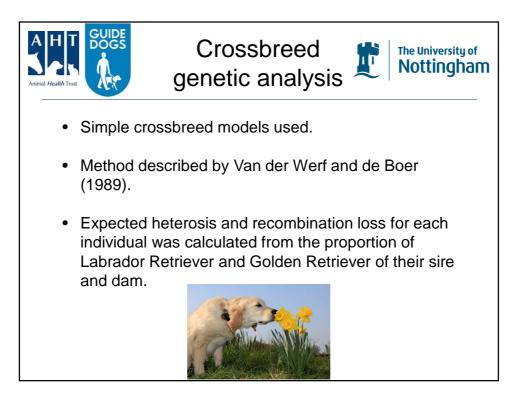


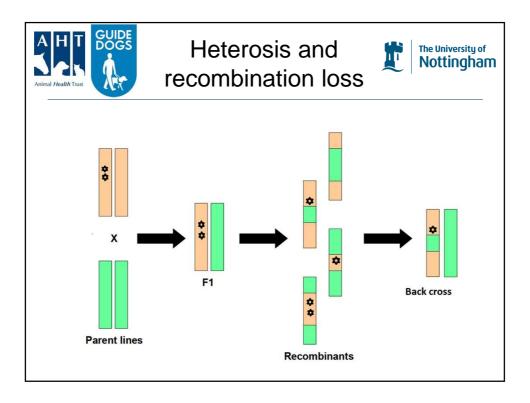


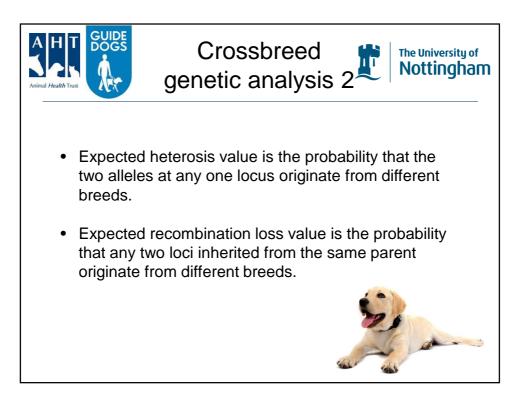




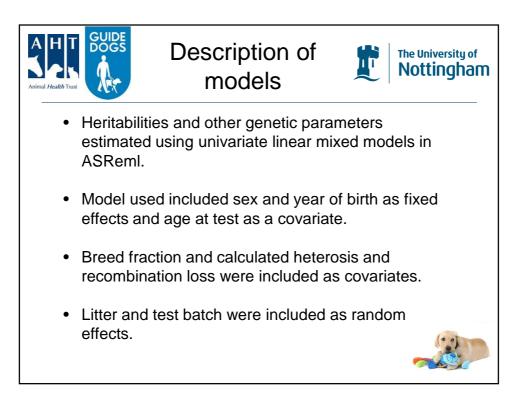
A H T GUIDE DOGS	Descripti of datase		The University Nottingh	
Breed		Number	of pups	
Golden Ret	Golden Retriever X Labrador		950	
Labrador Re	Labrador Retriever		704	
Lab x (G Re	Lab x (G Ret x Lab)		315	
Golden Ret	Golden Retriever		119	
G Ret x (G	G Ret x (G Ret x Lab)		39	
Total	Total		2127	

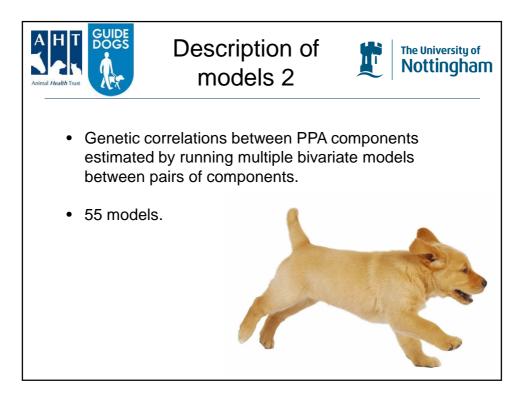




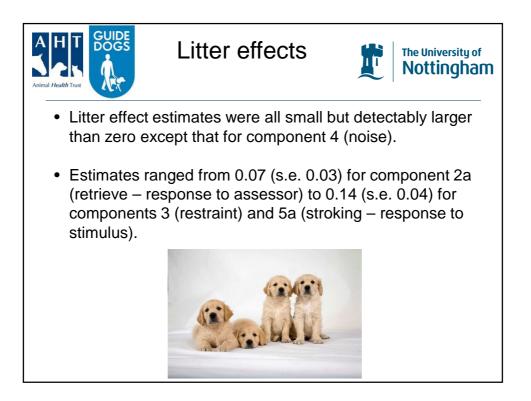


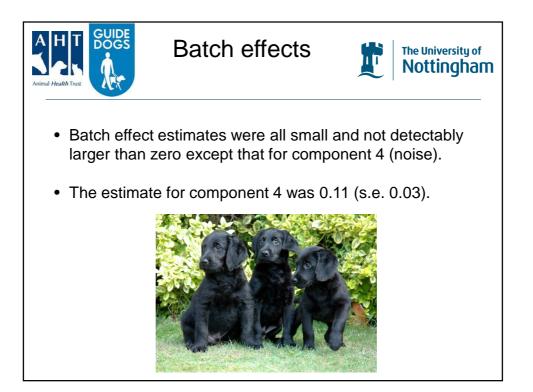
Crossbreed The University of Nottingham				
Breed	Heterosis	Recombination loss	Labrador fraction	
Golden Retriever	0	0	0	
Labrador Retriever	0	0	1	
GR x LR	0.5	0	0.5	
GR x (GR x LR)	0.25	0.125	0.25	
LR x (GR x LR)	0.25	0.125	0.75	
(GR x LR) x (GR x LR)	0.25	0.25	0.5	





A H T GOGS	Heritability estimates		The University of Nottingham
Component			p value
1 - Following		0.24 (0.09)	p<0.01
2a - Retrieve	2a - Retrieve (stimulus)		p<0.01
2b - Retrieve	2b - Retrieve (assessor)		p<0.01
3 - Restraint		0.14 (0.08)	NS
4 - Noise		0.01 (0.03)	NS
5a - Stroking	(stimulus)	0.24 (0.09)	p<0.01
5b - Stroking	(assessor)	0.19 (0.07)	p<0.01
6a - Squirrel (stimulus)	0.13 (0.07)	p<0.05
6b - Squirrel	(assessor)	0.09 (0.05)	p<0.01
7 - Tunnel		0.16 (0.07)	p<0.01
8 - Ramp		0.13 (0.07)	p<0.05





Crossbreeding effect estimates				
Trait	Heterosis	Recombination loss	Labrador fraction	
1 - Following	0.01 (0.17)	0.13 (0.79)	-0.25 (0.34)	
2a - Retrieve (stimulus)	0.08 (0.17)	-1.62 (0.78)	-0.15 (0.34)	
2b - Retrieve (assessor)	0.01 (0.18)	-1.27 (0.81)	-0.46 (0.36)	
3 - Restraint	0.01 (0.17)	-0.26 (0.73)	0.69 (0.27)	
4 - Noise	-0.07 (0.10)	0.47 (0.41)	0.11 (0.10)	
5a - Stroking (stimulus)	-0.12 (0.18)	-0.04 (0.83)	0.54 (0.35)	
5b - Stroking (assessor)	0.05 (0.19)	-0.65 (0.84)	-0.58 (0.36)	
6a - Squirrel (stimulus)	-0.35 (0.16)	-0.62 (0.72)	-0.29 (0.29)	
6b - Squirrel (assessor)	-0.14 (0.16)	-1.26 (0.67)	-0.36 (0.24)	
7 - Tunnel	-0.11 (0.16)	-1.56 (0.72)	-0.06 (0.28)	
8 - Ramp	-0.31 (0.14)	0.34 (0.63)	0.08 (0.24)	

