

1 **Appendix A** The number of replicates per treatment for either SNP1 or SNP2 of *FZD3* gene in
 2 experiment 1

SNP1- treatment	Flock	Age (month)	SNP1 Genotype	Number of replicate	SNP2- treatment	Flock	Age (month)	SNP2 Genotype	Number of replicate
1			CC	95	1			AA	75
2		24	TC	50	2		24	AC	35
3	core flock		TT	78	3	core flock		CC	116
4			CC	99	4			AA	34
5		48	TC	41	5		48	AC	45
6			TT	24	6			CC	90
7			CC	78	7			AA	64
8		24	TC	27	8		24	AC	44
9	foundation flock		TT	47	9	foundation flock		CC	52
10			CC	45	10			AA	30
11		48	TC	9	11		48	AC	16
12			TT	18	12			CC	27

3
 4
 5
 6