

[10.1071/AN24282](https://doi.org/10.1071/AN24282)

Animal Production Science

Supplementary Material

The effect of pasture-based dam-rearing on attention bias after disbudding in dairy calves

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Supplementary Table S1: Table 2. The effect of rearing (dam-reared vs commercially reared) on calves Attention Bias Test behavioural responses.

Frequency variables represent the observed number of events and duration (s) the observed total time. Mean \pm SD presented. Significant differences established at $p \leq 0.05$ and presented in bold.

Variable	Rearing treatment		P-value
	Commercial	Dam-reared	
<i>Fear-related behaviours (dog present)</i>			
Attention towards dog - duration	7.2 \pm 2.28	7.1 \pm 2.93	0.97
Calf approaches the dog - frequency	0.4 \pm 0.70	0.1 \pm 0.30	0.62
Withdraw from the dog - frequency	0.2 \pm 0.42	0.5 \pm 0.69	0.49
<i>Anxiety-related behaviours (dog absent)</i>			
Dog window focus - duration ¹	12.8 \pm 9.34	13.7 \pm 12.83	0.86
Exploration - frequency	11.2 \pm 7.47	13.9 \pm 5.94	0.57
Escape attempts - frequency	0.4 \pm 0.84	0.4 \pm 0.67	not analysed ²
Elimination - frequency	0.1 \pm 0.32	0.5 \pm 0.69	not analysed ²
Latency to walk - duration ¹	18.0 \pm 25.18	14.1 \pm 21.01	0.60
Locomotion - frequency	23.4 \pm 17.19	15.9 \pm 9.61	0.61
Eating - frequency	1.8 \pm 1.99	0.2 \pm 0.60	0.01
Vigilance - duration ¹	55.4 \pm 56.27	56.9 \pm 49.55	0.75
Vocalisations - frequency	7.3 \pm 6.58	6.2 \pm 6.59	0.68

¹ Log transformed

² Rarely observed behaviours and so excluded from the analysis