

Supplementary file A: Recording form for group level observations used during field observations made at 12 meat processing plants across New Zealand during the 2016 bobby calf season.

Group Level Observations

Pen Number

Time of Arrival

Time of observations

Pen location

Dimension of pens

Length

x

Width

Shelter provided

Roof

Walls

Temperature

Wind speed

Number of animals in pen

Number of animals lying in the pen

Standing

Behavioural Observations

	Number of animals per group	% of group
Shivering		
Panting		
Huddling		

Oral Behaviours		
Vocalisation		
Head tilting		
Head shaking		

Behaviours
demonstrating

Health

Observations

	Number of animals per group	% of group
Coughing		
Hampered respiration		
Severe Ocular discharge		
Severe Nasal discharge		

Faecal Soiling

	Number of animals per group	% of group
No		
Moderately Dirty		
Extremely Dirty		

Injury	# of animals	% of group	
0			No visual wounds/injuries
1			Hair loss
2			Moderate swelling and/or superficial wound
3			Minor cut through skin or obvious swelling
4			Wound through skin with deeper damage
5			Injury resulting in loss of function

Walk-through completed

Y / N

(only if there are calves lying down)

Number of calves lying immediately prior to walk-through

Number of calves that got up when observer first entered the pen

Number of calves that get up during systematic walk

Number of calves that get up when approached within 0.5m (after walk-through)

Number of calves that did not get up (non-ambulatory)

Exhaustion?

Number of calves that return to lying 5minutes after walk-through

Comment on position
lying

Water source
working

Y / N

**Comments and
Notes**

Diarrhoea