S2 Table. Criteria used to select the behaviours included in the pre-refinement of the USAPS used for video analysis (S3 Table), based on content validity and behaviours reported in the literature.

Variable	Criterion	Ev.1	Ev.2	Ev.3	Score	Ethogram	Literature
Interaction	Active: attentive to the environment, interacts and/or follows other animals	1	1	1	1	Х	[5,20,36]
	Apathetic: may remain close to other animals, but interacts little	1	1	1	1	Х	[20,36]
	Very apathetic: isolated or does not follow other animals, not interested in the environment	1	1	1	1	Х	[20,36]
Locomotion	Moves about freely, without altered locomotion; when stopped, the pelvic limbs are parallel to the thoracic limbs	1	1	1	1	Х	[5,20,34,36]
	Moves about with restriction and/or short steps and/or pauses and/or lameness; when stopped, the thoracic or pelvic limbs may be more open and further back than normal	1	1	1	1	x	[5,20, 34-36]
	Difficulty and/or reluctant to get up; not moving and/or walking abnormally and/or limping; walks backward or on knees; jumps like a rabbit, walks in a circle; may lean against a surface	1	0	1	0.66	x	[5,20, 34-36]
Head position	Head above the withers or eating	1	0	1	0.66	Х	[20,34]
	Head at the height of the withers	1	0	1	0.66	Х	[20,34]
	Head below the withers (except when eating)	1	0	1	0.66	Х	[20,34]
Posture	Kicks and stamps the limbs on the ground	1	1	1	1	х	[20,34-36]
	Extends the head and neck and/or one or more limbs	1	0	1	0.66	х	[20,34]
	Body tremors (without considering the ears)	1	1	0	0	х	[20,36]
	The pelvic limbs may be more open and further back than normal	1	1	1	1	Х	[5,20,36]
Posture in recumbence	Lying down, relaxed	1	1	1	1	Х	[20,36]
	Extends neck and body forward	1	1	0	0.66	X	[5,20,36]
	Lying down with the head resting on the ground or close to the ground.	1	1	1	1		[5,20,34,36]
Miscellaneous behaviours	Moves the tail quickly and repeatedly (except when breastfeeding) or keeps the tail straight (except when defecating or urinating)	1	0	1	0.66	х	[5,20,36]
	Arched back	1	1	1	1	Х	[5,20,34,36]
	Rotates body partially or totally, without getting up	1	0	0	0	х	[20,36]
Activity	Moves normally	1	1	1	1		[5,20,34,35]
	Restless, moves more than normal or lies down and gets up frequently	1	1	1	1		[5,20,34,36]
	Moves less frequently or only when stimulated using a stick or does not move	1	1	1	1		[20,36]
Appetite	Normorexia and/or rumination present	1	1	1	1	Х	[5,20,36]
	Hyporexia	1	0	1	0.66		[5,20,36]
	Anorexia	1	1	1	1		[5,20,36]
Attention to the affected area	Does not look	1	1	1	1	Х	[20,36]
	Turns the head and looks	1	1	1	1	х	[5,20,36]
	Licks or tries to lick or avoids contact of the area with surfaces or other animals	1	1	1	1	Х	[5,20,36]

USAPS: Unesp-Botucatu sheep acute composite pain scale; Ev. = Evaluator; each item was classified as relevant (+1), not known (0), or irrelevant (-1), the values were added and divided by the number of experts. Score: final score of content validation. In bold are the items approved in content validation, because the mean score was ≥ 0.5 and because the specific pain-related behavior had been reported in the ethogram (marked with "x") and literature [number of the references in the list of references]; in italics are the behaviors that remained on the scale after refinement.