Table S1. Behavioural Assessment Criteria.

Indicator	Criteria
General attitude of the equid at a distance. Assessor observes the equid from a distance of 3-5 metres before approaching.	1) At ease – Relaxed, calm and/or resting. 2) Alert – Actively interested in surroundings. Responsive to environmental stimuli. Ears moving, eyes open, movement to keep away flies. 3) Apathetic – depressed and withdrawn. Lack of response to surroundings, head lowered, eyes may be closed, lack of movement to keep away flies.
	4) Agitated – Aggressive and hyper-reactive to stimuli.
Response to observer approach Assessor approaches the equid's head at an angle of 20° (rather than directly in front of the equid). Assessor stops 30cm from the equids head and records reaction at the time of stopping.	<ol> <li>Friendly – head turns towards the assessor.</li> <li>Does not move – no reaction to assessor presence.</li> <li>Turns head away – moves head away from assessor.</li> <li>Turns whole body away - moves entire body away from assessor</li> <li>Aggressive – flattens ears, attempts to bite or kick assessor.</li> </ol>
Response to walking down the side of the equid Assessor walks alongside the equid without touching it, from the head to the rear at a distance of 30cm from the equid.	<ol> <li>Positive – calm and stationary, ears rotate towards the assessor, maintains contact with assessor.</li> <li>Neutral – No reaction to the movement of the assessor.</li> <li>Negative – avoidance responses, ears flattened, attempts to flee, trying to bite or kick assessor.</li> </ol>
Tail tuck Assessor records whether equid (donkeys and mules only) shows a tail tuck response.	Absent – tail relaxed     Present – clamps or tucks tail in hindquarters    Head shows with ore   Head sh
Head and neck position Assessor records the position of the equid's head and neck.	<ol> <li>Head above withers</li> <li>Head level with withers</li> <li>Head lower than withers</li> </ol>
Ear position Assessor records the position of the equid's ears.	<ol> <li>Both ears forwards</li> <li>Both ears facing sideways</li> <li>Both ears backwards but not flattened</li> <li>Both ears flattened towards neck</li> <li>Combination – ears in different directions</li> </ol>
Chin contact Assessor raises a cupped hand towards the equid's chin and if contact is accepted, touches the chin.	<ol> <li>Accepts chin contact</li> <li>Avoids chin contact</li> </ol>
Movement of the equid's tail	1) Hanging still

Assessor records tail movement	2)	Swishing
Response to external stimuli		
If assessor had observed response to environmental stimuli during assessment this was recorded, if not assessor clapped hands above head and recorded the equid's reaction.	1) 2)	Response to stimuli present Response to stimuli absent
	1)	None
	2)	Showing the whites of the eyes
	3)	Unpredictable or sudden movements
	4)	Sudden startle responses when standing
Signs of fear and distress present	quietl	y – rapidly lifting the head
Assessor recorded any other behavioural signs of	5)	Aggressive behaviour – ears flattened,
distress or fear observed during the assessment.	attem	pts to bite and/or kick
	6)	Trembling
	7)	Head shyness – the equid avoids any
	contac	et with its head
	8)	Complete withdrawal
Behavioural signs of insect nuisance	1)	Number of behaviours observed –
Assessor counts the number of behavioural signs of	behav	iours include head shaking, tail swishing,
insect nuisance during one minute	foot st	amping & skin flickering.

Table S2. Physical Assessment Criteria

Indicator	Criteria	
Harmful Practices Assessor examines the equid for signs of harmful practices that may affect welfare	1) None	
	2) Signs of hot brand	
	3) Signs of firing	
	4) Signs of limb tethering or hobbling	
	5) Signs of amputations or mutilations	
	including ears, tail and nostrils	
	6) Signs of the use of live serrata or metallic	
	chains in the noseband	
	7) Other	
Body Condition Score Assessor examines the equid by observation and touch to assess body fat and condition. No half measures were included	1) Very thin/Poor – ribs, spine and hips	
	prominent, pelvis hollow	
	2) Thin/Moderate – ribs, spine and hips	
	visible, pelvis flat	
	3) Ideal – spine just visible, pelvis slightly	
	rounded	
	<ol> <li>Fat – spine not visible, pelvis rounded</li> </ol>	
	5) Very fat/Obese – neck convex, pelvis	
	rounded, 'gutter' along spine.	
Indicators of the presence of endo or ecto- parasites Assessor examines the equid's skin and coat for signs of parasites.	1) No indicators	
	2) Signs of endo-parasites	
	<ol><li>Signs of ectoparasites – flies</li></ol>	
	4) Signs of ecto-parasites – midges	
	5) Signs of ecto-parasites - lice	
	6) Signs of ecto-parasites - ticks	
	7) Signs of ecto-parasites - other	
Skin System alterations	1) No alterations	

Assessor examines the equid's skin for signs of alterations.	2) Open wounds
	3) Scars
	4) Alopecia
	5) Sarcoids
	6) Swellings
	7) Other
Lameness	1) Severely lame – unable to walk or lying,
Assessor asks the owner to walk their equid a few	unable to stand.
paces and observes the equid's movement.	<ol><li>Lame but still moving</li></ol>
	3) No lameness
Other signs of illness Assessor notes other clinical signs of illness not previously recorded.	1) Nasal discharge
	2) Eye discharge
	3) Signs of diarrhoea
	4) Unhealthy coat
	5) Significant discharge from penis or vulva
	6) Abdominal pain
	7) Other
General Health Status	
Taking into account observed health indicators	1) Good
assessor scores the general health of the equid.	2) Fair
-	3) Poor
	1) No indicators
Thermal Stress Assessor records any physical symptoms of thermal stress.	2) Indicators of cold stress – high respiration,
	shivering, abnormally coloured mucous
	membranes.
	3) Indicators of heat stress – sweating, high
	respiration, open nostrils.
	respiration, open nostins.