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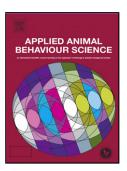
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## ACCEPTED MANUSCRIPT

## Behavioural and physiological responses of therapy horses to mentally traumatized humans

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#### **Highlights**

- Therapy horses do not differentiate between humans with PTSD and those without
- Therapy horses display more stress behaviours when they are alone in a round pen
- Therapy horses are more attentive to humans who are experienced around horses
- Therapy horses are calmer when with humans who are inexperienced around horses

#### Abstract

The benefits to humans of equine-assisted therapy (EAT) have been well-researched, however few studies have analyzed the effects on the horse. Understanding how differing mental states of

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