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Outbred CD1 mice are as suitable as inbred C57BL/6J mice in performing social tasks

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Highlights:

- Outbred CD1 mice are more aggressive than inbred C57BL/6J (C57) mice.
- CD1 mice are as appropriate as C57 mice for studying social behavior
- It is easier to achieve statistical significance with C57 than CD1 mice.

Abstract

Inbred mouse strains have been used preferentially for behavioral testing over outbred counterparts, even though outbred mice reflect the genetic diversity in the human population better. Here, we compare the sociability of widely available outbred CD1 mice with the commonly used inbred C57BL/6J (C57) mice in the one-chamber social interaction test and the three-chamber

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