

Project Title: M.I.B.-Mice In Barns

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Abstract: 90% of all animals used in medical research and testing are the common mouse (*Mus musculus*). The experiments that these mice undergo are usually conducted in a sterile laboratory environment. How successful is this? Translatable data is only achieved 14% of the time. That means that out of all the data researchers collect from these studies, only 14% has the potential to be applicable in human applications and trials. With time and funding running short in many areas, something needs to change. This project looks at the dramatic increase in translatable data when researchers include the wild bred mouse (*Mus musculus*) in their studies as well as conducting the experiment in a more natural setting. These are not meant to replace the traditional method of testing, but rather to offer researchers a complementary set of data that can be analyzed in tandem. As this project will illustrate, by adding these two features to a study, translatable data increases as well as valuable insights that may have been missed in the traditional study.