



**CALIFORNIA STATE SCIENCE FAIR
2004 PROJECT SUMMARY**

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| Name(s) Joseph A. Policarpio | Project Number S1418 |
| Project Title Mus musculus (The Common Mouse) on the Weight Gaining Supplement Muscle Milk | |
| Abstract Objectives/Goals In this investigation the objective was to determine if Muscle Milk had a significant effect on the weight or running speed of a mouse. Methods/Materials After constructing a cage, the twelve mice were obtained for two months and half were fed Muscle Milk. All mice were given sufficient food and water. All mice's weight, running speed and food and water intake were monitored for a period of eight weeks. Results After the two months, the average weight gained by mice on Muscle Milk (mice #1-6) was 21.8 g, while the average gain by mice off Muscle Milk (mice #7-12) was 15.4 g. The average speed of mice #1-6 (mice on Muscle Milk) was 396.24 mm/sec, while the average speed of mice #7-12 (mice off Muscle Milk) was 679.81 mm/sec. Conclusions/Discussion In conclusion, Muscle Milk caused weight gain but slowed running speed in the mice tested. | |
| Summary Statement Testing the effectiveness of Muscle Milk on mice's weight and running speed. | |
| Help Received Dad helped build cage; Mother and Brother helped record data and clean cage, materials provided by Petco. | |