**ANSWERS TO REVIEWERS**

Dear reviewers, this version of the manuscript presents many changes as serious errors were identified on the data base concerning body mass loss. So, body mass results and all the discussion had to be rewrited. We apologize for this huge mistake and hope that this version can be considered for publication.

**ANSWERS TO REVIEWER F**

A1: Corrected

A2: Text was revised and references included.

A3: Corrected

A4: License numbers were included

A5: We corrected this information as experimental diet was not used at this experiment, we used commercial pellets.

A6 and A7: Calibration methods and analyses were better explained.

A8: Time of acclimation was also better explained.

A9: Arcsine square root is an usual proportion data transformation for achieve normality.

A10: We included it at results

A11: We did for exp I too.

A12: We standardized data and performed again the analyzes.

A13: corrected

A14 and A17: Concerning body mass values, data base was carefully checked and errors on body mass were identified and corrected at the spread sheet. These errors were the reason for the high values found for differences on body mass loss. Analyzes were performed again and discussion about this topic was extended.

A15 and A16: explained on the text

A18: data was reanalyzed

A19: corrected

A20, to A32: due to the errors found on body mass base data we rewrite all the discussion. We think that now is better stated.

A34 to A44: corrected

**ANSWERS TO REVIEWER A**

U1, U2, U3, U4, U8, U9, U10, U12, U13, U14, U15, U16, U17, U20, U21, U22, U23: corrected

U5 and U6: We think that this information should remain at the introduction as it is important to give an overview of small mammal specie’s urine concentration ability. At the discussion we think that is important discuss the aspects more related with the variations found for Thrichomys .

U7: This paragraph was extended to insert more important information about this aspect but we think that is important to keep this information.

U11: We think that the table is adequate to show this information.

U18: Only the difference between initial and final BM means nothing about the relative importance of this loss for different individuals. For example, a body mass loss of 4g for an individual that has 40g does not have the same importance compared with one that has 20g. This loss for the last individual is much more severe.

U19: Arcsine square root is an usual proportion data transformation for achieve normality.

U24: We explained and discussed better this important aspect.

U25 to U34: done

U35: We changed the x axis values because we think that is better to express this variation in hours.