

## Mucuna pruriens treatment shows anti-obesity and intestinal health effects in obese rats

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### FIGURES

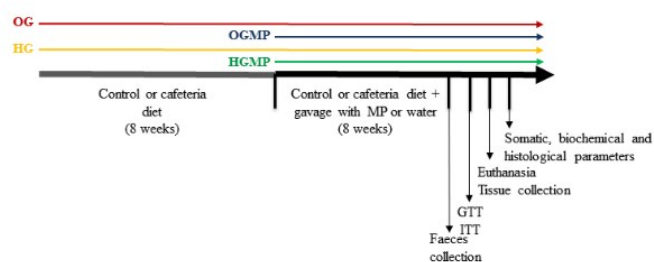


Fig. S1. Timeline and steps of the biological assay.

Legend: HG = healthy group; OG = obese group; HGMP = healthy group treated with MP; OGMP = obese group treated with MP; GTT = Glucose tolerance test; ITT = Insulin tolerance test.

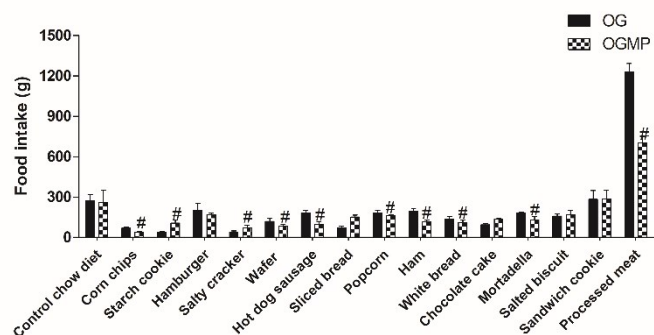


Fig. S2. Food preference of obese rats treated or not with MP. One-way ANOVA,  $p < 0.05$  Tukey's post hoc test. # different from OG.

## TABLES

**Table S1.** Nutritional composition of foods offered in cafeteria diet to the OG and OGMP groups.

| Foods offered     | Value per 100 g of food |          |          |         |         |           |             |
|-------------------|-------------------------|----------|----------|---------|---------|-----------|-------------|
|                   | kcal                    | Carb (g) | Prot (g) | Fat (g) | SFA (g) | Fibre (g) | Sodium (mg) |
| Corn chips        | 504.00                  | 60.00    | 7.60     | 23.20   | 5.20    | 536.00    | 1,072.00    |
| Starch cookie     | 426.66                  | 70.00    | 5.00     | 11.66   | 2.33    | 2.00      | 186.66      |
| Hamburger         | 281.25                  | 3.75     | 18.75    | 21.87   | 6.37    | 1.62      | 581.25      |
| Salty cracker     | 446.67                  | 66.67    | 10.67    | 15.33   | 6.33    | 0.00      | 580.00      |
| Wafer             | 540.00                  | 63.33    | 5.00     | 29.66   | 15.33   | 0.00      | 133.33      |
| Hot dog sausage   | 413.33                  | 0.00     | 24.33    | 26.66   | 8.33    | 1.20      | 1,787.00    |
| Sliced bread      | 1,020.00                | 48.00    | 7.60     | 2.60    | 0.60    | 2.60      | 384.00      |
| Popcorn           | 400.00                  | 91.11    | 6.66     | 0.66    | 0.00    | 0.00      | 0.00        |
| Ham               | 93.33                   | 2.00     | 14.66    | 3.00    | 21.00   | 0.00      | 1,100.00    |
| White bread       | 352.00                  | 72.00    | 8.40     | 2.80    | 1.60    | 1.60      | 600.00      |
| Chocolate cake    | 345.00                  | 50.00    | 4.25     | 14.25   | 4.00    | 0.00      | 190.00      |
| Bologna           | 311.00                  | 3.05     | 16.37    | 25.39   | 9.51    | 0.00      | 1,246.00    |
| Salted biscuit    | 488.88                  | 62.22    | 5.77     | 24.44   | 9.77    | 2.64      | 688.88      |
| Sandwich biscuit  | 396.66                  | 53.33    | 6.33     | 17.66   | 7.33    | 2.66      | 263.33      |
| Processed meat    | 195.00                  | 10.00    | 12.00    | 12.00   | 6.00    | 0.00      | 982.50      |
| Control chow diet | 320.00                  | 75.80    | 27.35    | 28.77   | 0.00    | 0.00      | 0.001       |
| Total             | 6,533.78                | 731.26   | 180.74   | 259.95  | 103.70  | 550.32    | 9,794.95    |

Legend: kcal = calories; Carb = carbohydrates; Prot = proteins; SFA = saturated fatty acids.

**Table S2.** Nutritional composition of the control and cafeteria diets.

| Composition           | Control | Cafeteria |
|-----------------------|---------|-----------|
| Calories (kcal/g)     | 3.1     | 4.1       |
| Carbohydrate (kcal %) | 45      | 48        |
| Protein (kcal %)      | 23      | 14        |
| Total fat (kcal %)    | 4       | 38        |
| Sodium (%)            | 0.001   | 0.62      |

Legend: kcal = calories; g = grams.