

## Additional file 2

Table A2 Summary statistics of the raw data of the fecal consistency score

| Group    | Diet    | Count | Mean | SD    | Lower CL | Upper CL | Median | P25 | P75 | Min | Max |
|----------|---------|-------|------|-------|----------|----------|--------|-----|-----|-----|-----|
| All      | STAN    | 39    | 3.63 | 0.424 | 3.5      | 3.8      | 3.5    | 3.4 | 3.9 | 3.0 | 5.0 |
|          | LCMF-ex | 31    | 3.51 | 0.401 | 3.4      | 3.7      | 3.4    | 3.3 | 3.7 | 3.0 | 4.7 |
|          | LCMF-hy | 39    | 3.54 | 0.482 | 3.4      | 3.7      | 3.5    | 3.3 | 3.8 | 2.5 | 4.9 |
|          | LFLF    | 37    | 3.32 | 0.354 | 3.2      | 3.4      | 3.3    | 3.0 | 3.5 | 2.5 | 4.0 |
|          | LFHF    | 32    | 3.20 | 0.410 | 3.1      | 3.3      | 3.1    | 3.0 | 3.4 | 2.3 | 4.5 |
| Diarrhea | STAN    | 27    | 3.71 | 0.456 | 3.5      | 3.9      | 3.5    | 3.4 | 3.9 | 3.0 | 5.0 |
|          | LCMF-ex | 19    | 3.55 | 0.444 | 3.3      | 3.8      | 3.4    | 3.3 | 3.8 | 3.0 | 4.7 |
|          | LCMF-hy | 27    | 3.56 | 0.520 | 3.4      | 3.8      | 3.5    | 3.3 | 3.8 | 2.5 | 4.9 |
|          | LFLF    | 25    | 3.30 | 0.368 | 3.1      | 3.5      | 3.3    | 3.0 | 3.5 | 2.5 | 4.0 |
|          | LFHF    | 24    | 3.25 | 0.423 | 3.1      | 3.4      | 3.1    | 3.0 | 3.4 | 2.5 | 4.5 |
| Control  | STAN    | 12    | 3.43 | 0.269 | 3.3      | 3.6      | 3.5    | 3.3 | 3.5 | 3.0 | 4.0 |
|          | LCMF-ex | 12    | 3.46 | 0.334 | 3.2      | 3.7      | 3.4    | 3.3 | 3.7 | 3.0 | 4.0 |
|          | LCMF-hy | 12    | 3.50 | 0.400 | 3.2      | 3.8      | 3.5    | 3.3 | 3.5 | 3.0 | 4.5 |
|          | LFLF    | 12    | 3.36 | 0.335 | 3.1      | 3.6      | 3.3    | 3.1 | 3.5 | 3.0 | 4.0 |
|          | LFHF    | 8     | 3.04 | 0.346 | 2.8      | 3.3      | 3.1    | 3.0 | 3.2 | 2.3 | 3.4 |

Summary statistics of the raw data of the fecal consistency score, presented for all animals and divided into control and diarrhea groups, number of observations per diet, mean, standard deviation (SD), and both lower and upper confidence intervals are presented (Upper CL and Lower CL) and minimum (Min) and maximum (Max) observation.

Table A3 Summary statistics of the raw data of the defecation frequency

| Group    | Diet    | Count | Mean | SD    | Lower CL | Upper CL | Median | P25 | P75 | Min | Max |
|----------|---------|-------|------|-------|----------|----------|--------|-----|-----|-----|-----|
| All      | STAN    | 39    | 3.36 | 1.367 | 2.9      | 3.8      | 3      | 2   | 4   | 1   | 6   |
|          | LCMF-ex | 31    | 3.61 | 1.358 | 3.1      | 4.1      | 4      | 3   | 4.5 | 1   | 6   |
|          | LCMF-hy | 39    | 2.44 | 1.231 | 2.0      | 2.8      | 2      | 1   | 3   | 1   | 6   |
|          | LFLF    | 37    | 3.14 | 1.475 | 2.6      | 3.6      | 3      | 2   | 4   | 1   | 6   |
|          | LFHF    | 32    | 4.31 | 1.635 | 3.7      | 4.9      | 5      | 3   | 6   | 1   | 6   |
| Diarrhea | STAN    | 27    | 3.48 | 1.503 | 2.9      | 4.1      | 4      | 2   | 4   | 1   | 6   |
|          | LCMF-ex | 19    | 3.95 | 1.311 | 3.3      | 4.6      | 4      | 3   | 5   | 2   | 6   |

|         |         |    |      |       |     |     |     |     |     |   |   |
|---------|---------|----|------|-------|-----|-----|-----|-----|-----|---|---|
|         | LCMF-hy | 27 | 2.33 | 1.038 | 1.9 | 2.7 | 2   | 1.5 | 3   | 1 | 4 |
|         | LFLF    | 25 | 3.12 | 1.201 | 2.6 | 3.6 | 3   | 2   | 4   | 1 | 6 |
|         | LFHF    | 24 | 4.25 | 1.751 | 3.5 | 5.0 | 5   | 2.8 | 6   | 1 | 6 |
| Control | STAN    | 12 | 3.08 | 0.996 | 2.5 | 3.7 | 3   | 2   | 4   | 2 | 5 |
|         | LCMF-ex | 12 | 3.08 | 1.311 | 2.3 | 3.9 | 3   | 2.8 | 4   | 1 | 5 |
|         | LCMF-hy | 12 | 2.67 | 1.614 | 1.6 | 3.7 | 2.5 | 1   | 4   | 1 | 6 |
|         | LFLF    | 12 | 3.17 | 1.992 | 1.9 | 4.4 | 3   | 1   | 5   | 1 | 6 |
|         | LFHF    | 8  | 4.50 | 1.309 | 3.4 | 5.6 | 4.5 | 4   | 5.3 | 2 | 6 |

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*Summary statistics of the raw data of the defecation frequency, presented for all animals and divided into control and diarrhea groups, number of observations per diet, mean, standard deviation (SD), and both lower and upper confidence intervals are presented (Upper CL and Lower CL) and minimum (Min) and maximum (Max) observation.*