

## Online supplement

**A comprehensive review and meta-analysis on the treatment of acute gastroenteritis in children with a *Bacillus clausii* preparation (Enterogermina®)**

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This online supplement provides effect sizes with their upper and lower confidence intervals (CI) along with overall weight in the meta-analysis for the outcome parameters covered in figures 1-3 of the main manuscript.

**Supplementary Table 1:** Duration of diarrhea. Data show the output from the meta-analysis (see Figure 1 in main manuscript) for each study with indication of effect size as Hedge's *g* and its confidence interval as well as weight of each study in the overall meta-analysis.

| #  | Study name       | Hedges' <i>g</i> | CI Lower limit | CI Upper limit | Weight |
|----|------------------|------------------|----------------|----------------|--------|
| 1  | Canani 2007      | 0.06             | -0.23          | 0.34           | 9.46%  |
| 2  | Lahiri 2008      | -0.19            | -0.44          | 0.05           | 9.60%  |
| 3  | Utula 2008       | -0.71            | -1.20          | -0.23          | 8.47%  |
| 4  | Lahiri 2015a     | -0.31            | -0.62          | 0.00           | 9.34%  |
| 5  | Lahiri 2015b     | -2.81            | -3.31          | -2.34          | 8.45%  |
| 6  | Bhat 2018        | -0.19            | -0.67          | 0.28           | 8.55%  |
| 7  | Vidjeadevan 2018 | -0.84            | -1.36          | -0.34          | 8.34%  |
| 8  | Hamid 2019a      | -0.03            | -0.31          | 0.24           | 9.48%  |
| 9  | Hamid 2019b      | -0.08            | -0.31          | 0.14           | 9.69%  |
| 10 | Maugo 2021       | -0.24            | -0.66          | 0.17           | 8.84%  |
| 11 | Lahiri 2022      | -0.70            | -0.89          | -0.51          | 9.79%  |

**Supplementary Table 2:** Number of stools on day 4 of treatment. Data show the output from the meta-analysis (see Figure 2 in main manuscript) for each study with indication of effect size as Hedge's *g* and its confidence interval as well as weight of each study in the overall meta-analysis.

| # | Study name  | Hedges' <i>g</i> | CI Lower limit | CI Upper limit | Weight |
|---|-------------|------------------|----------------|----------------|--------|
| 1 | Canani 2007 | 0.00             | -0.28          | 0.28           | 18.61% |
| 2 | Utula 2008  | -0.99            | -1.51          | -0.50          | 13.50% |
| 3 | Bhat 2018   | -0.62            | -1.11          | -0.15          | 13.89% |
| 4 | Hamid 2019a | -0.17            | -0.45          | 0.11           | 18.75% |
| 5 | Hamid 2019b | 0.00             | -0.22          | 0.22           | 20.02% |
| 6 | Maugo 2021  | -0.58            | -1.01          | -0.16          | 15.22% |

**Supplementary Table 3:** Duration of hospital stay. Data show the output from the meta-analysis (see Figure 3 in main manuscript) for each study with indication of effect size as Hedge's g and its confidence interval as well as weight of each study in the overall meta-analysis.

| # | Study name       | Hedges' g | CI Lower limit | CI Upper limit | Weight |
|---|------------------|-----------|----------------|----------------|--------|
| 1 | Utula 2008       | -0.45     | -0.93          | 0.03           | 12.71% |
| 2 | Bhat 2018        | -0.12     | -0.59          | 0.35           | 12.90% |
| 3 | Vidjeadevan 2018 | -0.29     | -0.78          | 0.20           | 12.24% |
| 4 | Hamid 2019a      | -0.53     | -0.82          | -0.25          | 21.72% |
| 5 | Hamid 2019b      | 0.00      | -0.22          | 0.22           | 25.51% |
| 6 | Maugo 2021       | -0.29     | -0.71          | 0.12           | 14.92% |