

Supplementary Table 1

| Mean (x 10E4) ± SEM | Control      | HDM              | GOS          | HDM+GOS              |
|---------------------|--------------|------------------|--------------|----------------------|
| Macrophages         | 17.95 ± 2.15 | 33.19 ± 7.46     | 22.38 ± 2.35 | 19.36 ± 3.44         |
| Lymphocytes         | 0.90 ± 0.25  | 4.54 ± 0.95***   | 0.57 ± 0.14  | 2.71 ± 0.60          |
| Neutrophils         | 0.25 ± 0.08  | 3.97 ± 1.28*     | 0.26 ± 0.10  | 3.16 ± 1.41          |
| Eosinophils         | 0.03 ± 0.03  | 20.92 ± 4.53***  | 0.05 ± 0.03  | 9.06 ± 4.53 (p=0.09) |
| Total               | 19.13 ± 2.37 | 62.63 ± 11.48*** | 23.25 ± 2.32 | 34.29 ± 6.78^        |

Supplementary Table 2

| Mean ± SEM                                     | Control      | HDM             | GOS          | HDM+GOS        |
|--|--------------|-----------------|--------------|----------------|
| IL-13 (pg/mg protein)<br>(in lung homogenates) | 65.57 ± 3.02 | 99.07 ± 8.01*** | 46.91 ± 2.41 | 65.25 ± 2.82^^ |
| IL-5 (pg/ml)<br>(in BALF)                      | 7.07 ± 0.99  | 17.92 ± 5.91    | 3.53 ± 0.39  | 10.75 ± 3.13   |
|  |              |                 |              |                |

(\* P < 0.05; \*\*\* P < 0.001; significantly different from the control animals)  
(^ P < 0.05; ^^ P < 0.001; significantly different from the HDM-allergic animals)