

**TABLE IV.** Correlation of allergen-specific IgE, IgG and IgG4 BU between the 92 paired CB and MB.

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| Allergen               | Correlation between CB and MB |       |       |       |       |       |
|------------------------|-------------------------------|-------|-------|-------|-------|-------|
|                        | IgE                           |       | IgG   |       | IgG4  |       |
|                        | $r_s$                         | $P$   | $r_s$ | $P$   | $r_s$ | $P$   |
| Food                   |                               |       |       |       |       |       |
| $\alpha$ -Casein       | 0.69                          | <.001 | 0.92  | <.001 | 0.94  | <.001 |
| $\beta$ -Casein        | 0.70                          | <.001 | 0.74  | <.001 | 0.85  | <.001 |
| $\alpha$ -Lactalbumin  | 0.37                          | <.001 | NA    |       | 0.68  | <.001 |
| $\beta$ -Lactoglobulin | 0.59                          | <.001 | 0.58  | <.001 | 0.97  | <.001 |
| Ovalbumin              | 0.56                          | <.001 | 0.93  | <.001 | 0.96  | <.001 |
| Ovomucoid              | 0.94                          | <.001 | 0.94  | <.001 | 0.97  | <.001 |
| Milk                   | 0.60                          | <.001 | 0.91  | <.001 | 0.95  | <.001 |
| Egg white              | 0.53                          | <.001 | 0.94  | <.001 | 0.97  | <.001 |
| Inhalant               |                               |       |       |       |       |       |
| Cedar pollen           | 0.30                          | .004  | NA    |       | NA    |       |
| Df                     | 0.01                          | .906  | 0.83  | <.001 | NA    |       |
| Dp                     | 0.19                          | .073  | 0.83  | <.001 | NA    |       |

NA, Not available due to lack of positive cases.

## Supplementary data for

1     **Intrauterine sensitization of allergen-specific IgE analyzed by a highly-sensitive new**  
2   **allergen microarray**

3     Norio Kamemura, MSc<sup>a</sup>, Hitomi Tada, MSc<sup>a</sup>, Naoki Shimojo, MD, PhD<sup>b</sup>, Yoshinori Morita,  
4     MD, PhD<sup>b</sup>, Yoichi Kohno, MD, PhD<sup>b</sup>, Takao Ichioka, MD<sup>c</sup>, Koichi Suzuki, MSc<sup>a</sup>, Kenji  
5     Kubota, MSc<sup>a</sup>, Mineyoshi Hiyoshi, PhD<sup>a</sup>, and Hiroshi Kido, MD, PhD<sup>a</sup>

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### 8     **Legends of Supplementary Figures**

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10    **Figure S1. Comparison of allergen-specific IgG levels in CB and MB analyzed by the**  
11    **DLC-chip**

12    Allergen-specific IgG levels in paired samples of CB and MB (n=92) depicted in BUg. The  
13    cutoff value was 2.50 BUg. (a) Milk, (b)  $\alpha$ -Casein, (c) Ovomuroid, (d) Dp and (e) Df.

14    Spearman's rank correlation test was used to assess the relation between CB and MB.

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16    **Figures S2. Comparison of allergen-specific IgG4 levels in CB and MB analyzed by the**  
17    **DLC-chip**

18    Allergen-specific IgG4 levels in paired samples of CB and MB (n=92) depicted in Bug4. The  
19    cutoff value was 0.53 Bug4. (a)  $\alpha$ -Casein, (b) Milk and (c) Ovomuroid. Spearman's rank

20    correlation test was used to assess the relation between CB and MB.

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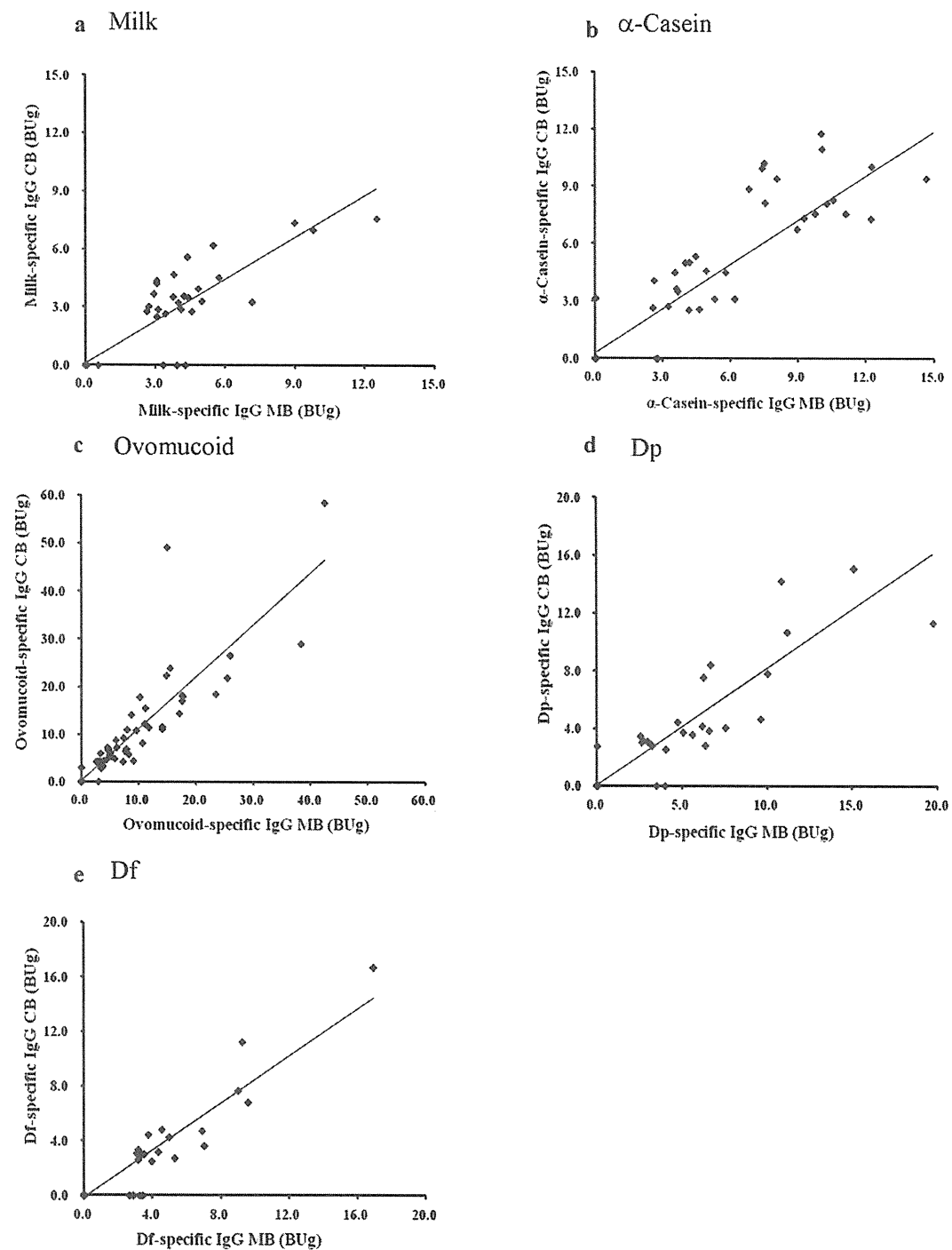
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Supplement FIG 1.



Supplement FIG 2.

