**Supplementary Table 3.** Change of HOMA-β from baseline to week 24 according to degree of DPP-4 inhibition and age groups

| Variable                          | Total   | DPP-4 enzyme inhibition rate | P value          |
|----------------------------------|---------|------------------------------|-----------------|
|                                  |         | T1  | T2 | T3 |                  |
|                                  |         | (<65.26%) | (65.26%–76.35%) | (≥76.35%) |          |
| Age <53 yr                        |         |     |    |    |                  |
| Number                           | 152     | 63  | 47 | 42 |                  |
| HOMA-β at baseline               | 53.129±42.467 | 49.857±28.292 | 58.283±63.343 | 52.271±29.702 | 0.5310 |
| HOMA-β at week 24                | 71.187±55.684 | 65.929±38.048 | 76.115±79.031 | 73.560±46.334 | 0.3672 |
| HOMA-β change from baseline to week 24, % | 18.058±53.477 | 16.072±32.004 | 17.833±81.022 | 21.288±40.022 | 0.8273 |
| Age ≥53 yr                        |         |     |    |    |                  |
| Number                           | 171     | 32  | 65 | 74 |                  |
| HOMA-β at baseline               | 46.939±23.154 | 45.718±25.392 | 47.477±21.388 | 46.994±23.931 | 0.6636 |
| HOMA-β at week 24                | 77.469±130.734 | 65.490±38.200 | 70.392±78.218 | 88.866±183.246 | 0.2214 |
| HOMA-β change from baseline to week 24, % | 30.531±123.348 | 19.772±32.795 | 22.915±72.108 | 41.873±173.733 | 0.2035 |
| P value for HOMA-β change between age group | 0.6853 | 0.4810 | 0.1486 | 0.9108 |

Values are presented as mean±standard deviation.
HOMA-β, homeostasis model assessment of β-cell function; DPP-4, dipeptidyl peptidase-4.