### Supplementary table 3. Functional enrichment analysis of DEGs (n= 34) in participants receiving two doses of FTC-TDF.

| id  | source   | term_id       | term_name                                      | term_size | intersection_size | p_value   |
|-----|----------|---------------|-----------------------------------------------|-----------|-------------------|-----------|
| 1   | GO:CC    | GO:0005829    | cytosol                                       | 5420      | 20                | 3.9e-04   |
| 2   | HPA      | HPA:0130241   | colon; peripheral nerve/ganglion[≥Low]         | 5017      | 21                | 4.5e-03   |
| 3   | HPA      | HPA:0510000   | soft tissue 2                                 | 5178      | 21                | 8.1e-03   |
| 4   | HPA      | HPA:0460671   | skin 1; melanocytes[≥Low]                      | 5276      | 21                | 1.1e-02   |
| 5   | HPA      | HPA:0500000   | soft tissue 1                                 | 5337      | 21                | 1.4e-02   |
| 6   | HPA      | HPA:0480052   | small intestine; glandular cells[≥Medium]      | 6035      | 22                | 2.0e-02   |
| 7   | HPA      | HPA:0340461   | ovary; ovarian stroma cells[≥Low]              | 3965      | 18                | 2.1e-02   |
| 8   | HPA      | HPA:0150052   | duodenum; glandular cells[≥Medium]             | 6074      | 22                | 2.3e-02   |
| 9   | HPA      | HPA:0400052   | rectum; glandular cells[≥Medium]               | 6077      | 22                | 2.3e-02   |
| 10  | HPA      | HPA:0460652   | skin 1; fibroblasts[≥Medium]                   | 2824      | 15                | 2.7e-02   |
| 11  | HPA      | HPA:0510651   | soft tissue 2; fibroblasts[≥Low]               | 4106      | 18                | 3.5e-02   |
| 12  | HPA      | HPA:0130201   | colon; endothelial cells[≥Low]                 | 5649      | 21                | 4.0e-02   |
| 13  | HPA      | HPA:0130051   | colon; glandular cells[≥Low]                   | 6962      | 23                | 4.6e-02   |
| 14  | HPA      | HPA:0510652   | soft tissue 2; fibroblasts[≥Medium]            | 2600      | 14                | 4.9e-02   |
| 15  | HPA      | HPA:0570743   | testis; cells in seminiferous ducts[High]      | 845       | 8                 | 5.0e-02   |
| 16  | TF       | TF:M09641_1   | Factor: NRF-1; motif: SYGC;CGMTGCCGCRNNGSN; match class: 1 | 1005  | 11                | 1.0e-03   |
| 17  | TF       | TF:M07052_1   | Factor: NRF-1; motif: GCG;CGMTGGCN; match class: 1 | 745       | 9                 | 6.3e-03   |

g:Profiler (biit.cs.ut.ee/gprofiler)