

Table 1

Number of altered proteins between A $\beta$ PP/PS1 transgenic mice control (Tg-ctrl) compared with wild type mice (WT-ctrl) (Tg-ctrl versus WT-ctrl) and between A $\beta$ PP/PS1 transgenic mice treated with tocotrienol-rich fraction (Tg-TRF) compared with the vehicle control group, A $\beta$ PP/PS1 transgenic mice treated with palm oil striped of vitamin E (Tg-PO) (Tg-TRF versus Tg-PO) in mice hippocampus, medial prefrontal cortex, and striatum.

| <b>Brain region</b> | <b>Hippocampus</b>           |                           | <b>Medial prefrontal cortex</b> |                           | <b>Striatum</b>              |                           |
|---------------------|------------------------------|---------------------------|---------------------------------|---------------------------|------------------------------|---------------------------|
| Groups              | Tg-ctrl<br>versus<br>WT-ctrl | Tg-TRF<br>versus<br>Tg-PO | Tg-ctrl<br>versus<br>WT-ctrl    | Tg-TRF<br>versus<br>Tg-PO | Tg-ctrl<br>versus<br>WT-ctrl | Tg-TRF<br>versus<br>Tg-PO |
| Upregulated         | 26                           | 65                        | 16                              | 14                        | 12                           | 18                        |
| Downregulated       | 17                           | 138                       | 83                              | 15                        | 1                            | 5                         |
| Total               | 43                           | 203                       | 99                              | 29                        | 13                           | 23                        |