**Table S1.** Fatty acid composition in 3 yeast (*Saccharomyces cerevisiae*) strains with different vectors

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Yeast strain | C16:0 | C16:1 | C16:2 | C18:0 | C18:1 | C18:2 |
| PYES2 | 21.70 | 41.63 | 0.00 | 4.18 | 19.60 | 0.00 |
| MNCK | 20.31 | 38.73 | 7.95 | 5.63 | 17.70 | 7.51 |
| MNHO | 21.22 | 42.15 | 0.00 | 5.29 | 23.10 | 0.00 |

aPYES2: Yeast strain PYES2 containing empty vector PYES2, MNCK: Yeast strain MNCK containing recombinant plasmid with wild type *FAD2B*, MNHO: Yeast strain MNHO containing recombinant plasmid with mutated type *FAD2B.*