Supplementary Material 3

**Identification and Functional Analysis of Two New Mutant *BnFAD2* Alleles that Confer Elevated Oleic Acid Content in Rapeseed**

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**Supplementary Table 3.** Percentage of each fatty acid in *Saccharomyces cerevisiae* transferred with different *BnFAD2* genes.

|  |  |
| --- | --- |
| Fatty acid\*  | Strains |
| *pYES2* | *BnFAD2-1-wt* | *BnFAD2-1-mut* | *BnFAD2-2-wt* | *BnFAD2-2-mut* |
| 16:0 | 19.78  | 20.68  | 20.03  | 22.73  | 19.87  |
| 16:1 | 37.26  | 7.47  | 40.43  | 7.79  | 38.37  |
| 18:0 | 8.62  | 11.75  | 7.21  | 9.58  | 7.74  |
| 18:1 | 32.45  | 48.24  | 31.11  | 47.69  | 32.20  |
| 18:2 | 0 | 9.80  | 0 | 10.07 | 0 |

\* 16:0, palmitic acid; 16:1, palmitoleic acid; 18:0, stearic acid; 18:1, oleic acid; 18:2, linoleic acid.