**Supplementary Table 2.** **Characteristics of the selected restriction enzymes**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CCR 4** | **Sequence 5' a 3'** | **Sequence 3' a 5'** | **Position** | **Buffer** |
| BseYI | CCCAGC | GGGTCG | 478 | 3 |
| AvaII | GGWCC | CCWGG | 373 | Cut smart |
|   |   |   |   |   |
| **Diacylglycerol acyltransferase** |  |  |  |  |
| AluI | AGCT | TCGA | 314 | Cut smart |
| SalI | GTCGAC | CAGCTG | 338 | 3 |
| Sau96I | GGNCC | CCNGG | 336 | Cut smart |
|  |  |  |  |  |
| **Amino acid permease-like protein** |  |  |  |  |
| BstZ17I | GTATAC | CATATG | 289 | Cut smart |
| AccI | GTMKAC | CAKMTG | 289 | Cut smart |
| FauI | CCCGC | GGGCG | 293 | Cut smart |