**S4 Table** : Fatty acids were analyzed by gas chromatography (n=6 animals per group). Data are the mean of the masse percentage measured in liver of LXR+/+ and LXR-/- mice fed the REF or the OLIV diet. a Significant genotype effect. b Significant difference versus REF diet.

|  |  |  |
| --- | --- | --- |
|  | LXR+/+ | LXR-/- |
|  | REF | OLIV | REF | OLIV |
| C14:0 | 0.922 | 0.931 | 1.209 | 1.195 |
| C14:1 n-7 | 0.027 | 0.029 | 0.373a | 0.314a |
| C16:0 | 15.678 | 14.246 | 12.629a | 12.349 |
| C16:1 n-9 | 0.696 | 0.871b | 0.463a | 0.581a |
| C16:1 n-7 | 9.998 | 10.492 | 18.642a | 19.200a |
| C18:0 | 1.146 | 1.023 | 0.671a | 0.725a |
| C18:1 n-9 | 41.361 | 58.519b | 32.025a | 45.202a,b |
| C18:1 n-7 | 3.287 | 4.173b | 2.601a | 2.697a |
| C18:2 n-6 | 24.606 | 8.193b | 28.779 | 16.121a,b |
| C18:3 n-3 | 1.271 | 0.567b | 1.989a | 1.038b |
| C20:1 n-9 | 0.957 | 0.963 | 0.620 | 0.576 |
| C20:4 n-6 | 0.052 | 0 | 0 | 0 |
| n-6/n-3 | 19.890 | 13.004 | 14.731 | 15.652a |