|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Virgin Female | | | | | | Day 20 gestation | | | | | | ANOVA *P* | | |
|  | Low fat soybean oil | | High fat soybean oil | | High fat linseed oil | | Low fat soybean oil | | High fat soybean oil | | High fat linseed oil | | Diet | Pregnancy | Diet x Pregnancy |
| *Liver cholesteryl ester**(g/100 g total fatty acids)* | | | | | | | | | | | | | | | |
| 14:0 | 0.6a | (0.2) | 0.3b | (0.2) | 0.2b | (0.1) | 0.3\* | (0.2) | 0.5 | (0.3) | 0.3 | (0.2) | 0.059 | 0.840 | 0.018 |
| 16:0 | 43.7a | (3.2) | 46.7a | (4.9) | 23.4b | (2.2) | 43.0a | (3.4) | 35.1\*b | (3.1) | 37.7\*b | (2.1) | <0.001 | 0.545 | <0.001 |
| 18:0 | 21.1a | (3.5) | 13.8b | (3.2) | 22.1a | (3.7) | 15.5\* | (2.6) | 15.3 | (2.0) | 16.6\* | (3.3) | 0.002 | 0.005 | 0.015 |
| 20:0 | 0.3 | (0.3) | ND |  | 0.1 | (0.1) | 0.4 | (0.4) | 0.4\* | (0.3) | 0.2 | (0.2) | 0.132 | 0.022 | 0.348 |
| 22:0 | ND |  | ND |  | ND |  | ND |  | 0.1 | (0.2) | ND |  | 0.415 | 0.341 | 0.415 |
| 24:0 | ND |  | ND |  | ND |  | 0.4\*a | (0.1) | 0.1b | (0.2) | 0.1b | (0.1) | <0.001 | <0.001 | <0.001 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18:3n-3 | 1.0a | (0.2) | 1.9a | (0.4) | 12.4b | (2.6) | 1.0a | (0.3) | 1.8a | (0.1) | 10.6b | (1.1) | <0.001 | 0.117 | 0.124 |
| 20:5n-3 | 0.2a | (0.2) | NDa |  | 4.1b | (0.6) | 0.2a | (0.5) | NDa |  | 2.0\*b | (0.6) | <0.001 | <0.001 | <0.001 |
| 22:5n-3 | 0.2a | (0.2) | NDa |  | 1.1b | (0.3) | 0.2 | (0.3) | 0.2\* | (0.2) | 0.6\* | (0.3) | <0.001 | 0.219 | 0.002 |
| 22:6n-3 | 0.7ab | (0.4) | 0.4a | (0.4) | 1.1b | (0.3) | 1.9\* | (0.4) | 1.8\* | (0.4) | 2.2\* | (0.4) | 0.009 | <0.001 | 0.487 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18:2n-6 | 13.4a | (1.6) | 17.6b | (2.9) | 17.3ab | (2.3) | 15.0a | (1.6) | 21.3b | (1.5) | 15.7a | (1.6) | <0.001 | 0.075 | 0.010 |
| 18:3n-6 | 0.4 | (0.3) | ND |  | 0.2 | (0.03) | 0.4 | (0.4) | 0.5\* | (0.2) | 0.4 | (0.3) | 0.621 | 0.013 | 0.098 |
| 20:3n-6 | 0.2ab | (0.2) | NDa |  | 0.4b | (0.1) | 0.1 | (0.2) | 0.3 | (0.3) | 0.3 | (0.3) | 0.132 | 0.823 | 0.044 |
| 20:4n-6 | 7.8 | (1.2) | 7.8 | (1.7) | 6.7 | (0.8) | 9.6a | (1.7) | 7.5b | (1.2) | 4.8\*c | (0.7) | <0.001 | 0.782 | 0.006 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16:1n-7 | 2.0a | (0.7) | 0.5b | (0.1) | 0.4b | (0.1) | 2.0a | (0.7) | 0.9b | (0.3) | 0.7b | (0.4) | <0.001 | 0.187 | 0.439 |
| 18:1n-9 | 7.5a | (2.0) | 10.9b | (2.0) | 9.9ab | (1.4) | 9.1 | (2.8) | 10.5 | (2.1) | 10.1 | (1.9) | 0.025 | 0.522 | 0.513 |
| 20:1n-9 | 0.3 | (0.3) | ND |  | 0.1 | (0.02) | 0.4 | (0.3) | 0.3 | (0.4) | 0.2 | (0.3) | 0.112 | 0.140 | 0.659 |
| 22:1n-9 | 0.3 | (0.6) | ND |  | 0.3 | (0.04) | 0.1 | (0.2) | ND |  | ND |  | 0.326 | 0.157 | 0.385 |