**Table1**  Significant (P<.1) time

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Common Name | Parent Fatty Acid | P-values |
| **Saturated fatty acid** |  |  |  |
| %C16:0 |  |  | 1.28E-05 |
| %C15:0 |  |  | 8.20E-04 |
| %C14:0 |  |  | 7.22E-03 |
| %C20:0 |  |  | 3.72E-02 |
| C20:0 |  |  | 5.45E-02 |
| %C17:0 |  |  | 5.86E-02 |
|  |  |  |  |
| **Mono unsaturated fatty acid** |  |  |  |
| %C16:1n7 |  |  | 5.56E-04 |
| %C18:1n9 |  |  | 1.77E-03 |
| %C18:1n7 |  |  | 4.44E-03 |
| C16:1n7/C16:0 |  |  | 4.96E-03 |
| %-C16:1n7-NEFA |  |  | 3.58E-02 |
| %C16:1n7t |  |  | 6.05E-02 |
| C16:1n7/C16:0-NEFA |  |  | 6.41E-02 |
|  |  |  |  |
| **Poly unsaturated fatty acid** |  |  |  |
| %C18:2n6 |  |  | 1.32E-05 |
| C20:4n6/C20:3n6 |  |  | 2.13E-04 |
| %C18:3n3 |  |  | 2.88E-04 |
| C22:6n3/C22:5n3 |  |  | 9.38E-04 |
| C22:5n3/C20:5n3 |  |  | 1.40E-03 |
| %C20:5n3 EPA |  |  | 2.45E-03 |
| %-C18:3n3-NEFA |  |  | 4.59E-03 |
| %C20:4n6 AA |  |  | 1.68E-02 |
| %C20:3n6 |  |  | 1.68E-02 |
| %C18:3n6 |  |  | 2.18E-02 |
| %C20:2n6 |  |  | 2.73E-02 |
| C20:5n3 EPA |  |  | 5.74E-02 |
| C22:6n3/C22:5n3-NEFA |  |  | 7.62E-02 |
| C18:3n6 |  |  | 7.72E-02 |
| %C22:6n3 DHA |  |  | 5.28E-02 |
|  |  |  |  |
| **Sums** |  |  |  |
| %Sum-n-6 PUFA |  |  | 7.97E-05 |
| %Sum-SFA |  |  | 9.75E-04 |
| %Sum-MUFA |  |  | 3.08E-03 |
| Sum-n-6/Sum-n-3 |  |  | 6.13E-03 |
| Sum-TriHOME-NE |  |  | 8.31E-02 |
| **Ketones** |  |  |  |
| **Prostaglandins** |  |  |  |
| PGF2a-NE |  |  | 2.35E-03 |
| **Mid chain alcohol** |  |  |  |
| 15-HEPE-To |  |  | 5.81E-02 |
| 5-HEPE-NE |  |  | 1.07E-02 |
| 12-HEPE-NE |  |  | 6.66E-02 |
| 9-HOTE-NE |  |  | 3.91E-02 |
| **Diols** |  |  |  |
| 8\_9-DiHETrE-NE |  |  | 1.53E-02 |
| 9\_10-e-DiHO-NE |  |  | 3.43E-02 |
| 15\_16-DiHODE-To |  |  | 9.01E-02 |
| **Epoxide** |  |  |  |
| 1617-EpDPE-To |  |  | 7.98E-02 |
|  |  |  |  |
|  |  |  |  |

**Table2** Significant (P<.1) group

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Common Name | Parent Fatty Acid | P-value |
| **Saturated Fatty Acids** |  |  |  |
| %C16:0 |  |  | 5.45E-03 |
| %C22:0 |  |  | 9.78E-02 |
| C14:0-NEFA |  |  | 2.86E-02 |
| %-C20:0-NEFA |  |  | 3.18E-02 |
| C15:0-NEFA |  |  | 5.63E-02 |
| C12:0-NEFA |  |  | 6.46E-02 |
|  |  |  |  |
| **Mono unsaturated fatty acids** | |  |  |
| %C18:1n9 |  |  | 1.33E-02 |
| %C18:1n7 |  |  | 7.34E-02 |
|  |  |  |  |
| **Poly unsaturated fatty acids** | |  |  |
| C22:5n3/C20:5n3 |  |  | 9.60E-02 |
| C22:6n3/C225:n3-NEFA |  |  | 8.87E-02 |
| C20:4n3 |  |  | 9.45E-02 |
| C22:5n3/C20:5n3-NEFA |  |  | 8.59E-02 |
| C22:5n3-NEFA |  |  | 6.35E-02 |
| %C18:3n3 |  |  | 8.39E-02 |
|  |  |  |  |
| **Sums** |  |  |  |
| %Sum-MUFA |  |  | 1.57E-02 |
|  |  |  |  |
| **Oxylipins** |  |  |  |
| **Mid chain alcohol** |  |  |  |
| 5-HEPE-To |  |  | 8.20E-02 |
| 9-HOTE-NE |  |  | 3.64E-02 |
| 5-HEPE-NE |  |  | 8.73E-02 |
| **Diols** |  |  |  |
| 19\_20-DiHDoPE-NE |  |  | 6.32E-02 |
| 14\_15-DiHETE-To |  |  | 6.67E-02 |
| **Epoxide** |  |  |  |
| 1112-EpETE-To |  |  | 8.30E-02 |
|  |  |  |  |

**Table3** Significant (P<.1) interaction

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Common Name | Parent Fatty Acid | P-values |
| **Saturated Fatty Acids** |  |  |  |
| C14:0-NEFA |  |  | 5.17E-02 |
| C20:0-NEFA |  |  | 6.23E-02 |
| %C16:0 |  |  | 3.52E-02 |
|  |  |  |  |
| **Polyunsaturated Fatty Acids** | |  |  |
| %C18:2n6 |  |  | 1.62E-02 |
| C22:6n3-NEFA |  |  | 5.73E-02 |
| %C18:3n3 |  |  | 3.38E-02 |
|  |  |  |  |
| **Sums** |  |  |  |
| %Sum-n-6 PUFA |  |  | 1.96E-02 |
| %Sum-SFA |  |  | 4.98E-02 |
|  |  |  |  |
| **Oxylipins** |  |  |  |
| **Prostaglandins** |  |  |  |
| PGF2a-NE |  |  | 9.94E-03 |
| **Mid chain alcohol** |  |  |  |
| 15-HETE-NE |  |  | 3.68E-02 |