**Supplemental Table 6**. Distribution of serum fatty acids (FA) % according to dengue virus (DENV) serotype1

| Fatty acid2 | DENV Serotype | | | | | | | | | | | | *P*3 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1  n = 20 | | | 2  n = 13 | | | 3  n = 29 | | | 4  n = 15 | | |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SFAs (%) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 14:0 myristic acid | 0.29 | ± | 0.10 | 0.32 | ± | 0.23 | 0.32 | ± | 0.17 | 0.30 | ± | 0.17 | 0.92 |
| 15:0 pentadecanoic acid | 0.16 | ± | 0.06 | 0.16 | ± | 0.06 | 0.16 | ± | 0.05 | 0.15 | ± | 0.06 | 0.84 |
| 16:0 palmitic acid | 22.70 | ± | 1.82 | 23.44 | ± | 1.64 | 23.26 | ± | 2.18 | 23.16 | ± | 1.20 | 0.52 |
| 17:0 margaric acid | 0.35 | ± | 0.07 | 0.36 | ± | 0.05 | 0.36 | ± | 0.07 | 0.34 | ± | 0.05 | 0.64 |
| 18:0 stearic acid | 7.68 | ± | 0.63 | 8.02 | ± | 0.83 | 8.02 | ± | 1.26 | 8.15 | ± | 1.12 | 0.39 |
| 20:0 arachidic acid | 0.15 | ± | 0.05 | 0.17 | ± | 0.03 | 0.17 | ± | 0.08 | 0.15 | ± | 0.05 | 0.44 |
| 22:0 behenic acid | 0.31 | ± | 0.14 | 0.40 | ± | 0.11 | 0.40 | ± | 0.12 | 0.29 | ± | 0.10 | 0.001 |
| 24:0 lignoceric acid | 0.25 | ± | 0.17 | 0.39 | ± | 0.09 | 0.37 | ± | 0.14 | 0.20 | ± | 0.17 | 0.001 |
| Total SFAs | 31.87 | ± | 2.07 | 33.26 | ± | 2.15 | 33.04 | ± | 2.65 | 32.73 | ± | 1.49 | 0.25 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MUFAs (%) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16:1n-7 palmitoleic acid | 1.63 | ± | 0.59 | 1.77 | ± | 0.43 | 1.82 | ± | 0.53 | 1.83 | ± | 0.83 | 0.24 |
| 18:1n-9 oleic acid | 22.56 | ± | 3.64 | 22.05 | ± | 2.48 | 23.33 | ± | 2.79 | 23.18 | ± | 2.36 | 0.40 |
| 18:1n-7 cis-vaccenic acid | 1.91 | ± | 0.44 | 2.59 | ± | 0.41 | 2.41 | ± | 0.53 | 2.00 | ± | 0.58 | 0.0002 |
| 20:1n-9 gondoic acid | 0.21 | ± | 0.15 | 0.17 | ± | 0.08 | 0.20 | ± | 0.05 | 0.20 | ± | 0.07 | 0.58 |
| 24:1n-9 nervonic acid | 0.38 | ± | 0.17 | 0.60 | ± | 0.15 | 0.48 | ± | 0.30 | 0.32 | ± | 0.24 | 0.008 |
| Total MUFAs | 26.76 | ± | 4.07 | 27.42 | ± | 2.89 | 28.34 | ± | 3.10 | 27.68 | ± | 2.67 | 0.31 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| n-3 PUFAs (%) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18:3n-3 α-linolenic acid | 0.35 | ± | 0.10 | 0.19 | ± | 0.10 | 0.22 | ± | 0.14 | 0.31 | ± | 0.09 | 0.0002 |
| 20:5n-3 EPA | 0.31 | ± | 0.11 | 0.33 | ± | 0.10 | 0.28 | ± | 0.19 | 0.30 | ± | 0.09 | 0.08 |
| 22:5n-3 DPA | 0.47 | ± | 0.14 | 0.42 | ± | 0.10 | 0.41 | ± | 0.18 | 0.40 | ± | 0.13 | 0.15 |
| 22:6n-3 DHA | 1.73 | ± | 0.51 | 1.48 | ± | 0.52 | 1.45 | ± | 0.64 | 2.00 | ± | 0.89 | 0.02 |
| Total long chain n-3 PUFAs4 | 2.51 | ± | 0.60 | 2.24 | ± | 0.60 | 2.15 | ± | 0.78 | 2.70 | ± | 0.91 | 0.04 |
| Total n-3 PUFAs | 3.01 | ± | 0.66 | 2.42 | ± | 0.63 | 2.42 | ± | 0.89 | 3.14 | ± | 0.94 | 0.006 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| n-6 PUFAs (%) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18:2n-6 linoleic acid | 28.34 | ± | 4.87 | 25.95 | ± | 2.22 | 26.82 | ± | 3.76 | 26.25 | ± | 2.35 | 0.06 |
| 18:3n-6 γ-linolenic acid | 0.16 | ± | 0.10 | 0.33 | ± | 0.10 | 0.24 | ± | 0.09 | 0.15 | ± | 0.12 | <0.0001 |
| 20:2n-6 EDA | 0.17 | ± | 0.07 | 0.25 | ± | 0.06 | 0.24 | ± | 0.05 | 0.20 | ± | 0.12 | 0.001 |
| 20:3n-6 dihomo-γ-linolenic acid | 1.21 | ± | 0.41 | 1.44 | ± | 0.54 | 1.27 | ± | 0.49 | 1.38 | ± | 0.48 | 0.43 |
| 20:4n-6 arachidonic acid | 6.86 | ± | 1.43 | 6.93 | ± | 1.57 | 6.06 | ± | 1.25 | 6.91 | ± | 1.29 | 0.08 |
| 22:4n-6 adrenic acid | 0.51 | ± | 0.63 | 0.96 | ± | 0.92 | 0.52 | ± | 0.36 | 0.42 | ± | 0.20 | 0.009 |
| Total long chain n-6 PUFAs5 | 8.75 | ± | 1.87 | 9.58 | ± | 2.44 | 8.08 | ± | 1.48 | 8.91 | ± | 1.47 | 0.11 |
| Total n-6 PUFAs | 37.25 | ± | 5.48 | 35.86 | ± | 3.23 | 35.14 | ± | 4.23 | 35.31 | ± | 2.86 | 0.14 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18:2n-7ct CLA (%) | 0.07 | ± | 0.11 | 0.01 | ± | 0.02 | 0.05 | ± | 0.12 | 0.07 | ± | 0.07 | 0.003 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| trans-FA (%) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16:1n-7 trans | 0.19 | ± | 0.07 | 0.24 | ± | 0.05 | 0.24 | ± | 0.11 | 0.28 | ± | 0.34 | 0.06 |
| 18:1 trans | 0.46 | ± | 0.26 | 0.49 | ± | 0.15 | 0.49 | ± | 0.18 | 0.43 | ± | 0.17 | 0.56 |
| 18:2 trans | 0.38 | ± | 0.17 | 0.30 | ± | 0.15 | 0.28 | ± | 0.13 | 0.36 | ± | 0.08 | 0.32 |
| Total trans-FA | 1.04 | ± | 0.43 | 1.03 | ± | 0.30 | 1.00 | ± | 0.29 | 1.06 | ± | 0.31 | 0.93 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Enzyme activity indices |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Stearoyl-coA-desaturase 18:1n-9/18:0 | 2.95 | ± | 0.50 | 2.78 | ± | 0.46 | 2.97 | ± | 0.54 | 2.88 | ± | 0.37 | 0.48 |
| Elongase 18:1n-7/16:1n-7 | 1.41 | ± | 1.07 | 1.53 | ± | 0.36 | 1.50 | ± | 0.90 | 1.51 | ± | 1.30 | 0.03 |
| Δ6-desaturase 18:3n-6/18:2n-6 | 0.006 | ± | 0.005 | 0.013 | ± | 0.004 | 0.009 | ± | 0.004 | 0.006 | ± | 0.005 | 0.0001 |
| Δ5-desaturase 20:4n-6/20:3n-6 | 6.06 | ± | 2.53 | 5.19 | ± | 1.62 | 5.40 | ± | 2.66 | 5.48 | ± | 2.80 | 0.40 |

**Footnotes to Supplemental Table 6**

1 Mean ± SD.

2 SFA, saturated fatty acid; MUFA, monounsaturated fatty acid; PUFA, polyunsaturated fatty acid; EPA, eicosapentaenoic acid; DPA, docosapentaenoic acid; DHA, docosahexaenoic acid; EDA, eicosadienoic acid; CLA, conjugated linoleic acid.

3 Wilcoxon rank-sum test.

4 Sum of 20:5n-3 EPA, 22:5n-3 DPA, and 22:6n-3 DHA.

5 Sum of 20:2n-6 EDA, 20:3n-6 dihomo-γ-linolenic acid, 20:4n-6 arachidonic acid, and 22:4n-6 adrenic acid.