

Supplemental Table 5. Change in oxylipins in the TNFi group from baseline to 6 months in DAS28 low versus high responders.

| | DAS28 Response in TNFi | | | | p-value |
|---|------------------------|-------------|----------|-------------|---------|
| | N (Low) | Low | N (High) | High | |
| 6k PGF1α [%] | 26 | 0.9(2.3) | 23 | -0.01(2.0) | 0.76 |
| TXB2 [%] | 35 | 92.3(46.5) | 38 | 68.2(54.1) | 0.74 |
| PGE2 [%] | 29 | 22.5(21.4) | 28 | 3.9(6.1) | 0.41 |
| LXA4 [%] | 28 | 18.7(18.7) | 30 | -0.2(2.3) | 0.33 |
| RvD1 [%] | 40 | 2.0(2.1) | 43 | 1.7(1.0) | 0.89 |
| (N=82-93) | | | | | |
| 13,14-dihydro-15k PGF2α [%] | 40 | 1.2(1.8) | 43 | 1.0(1.1) | 0.93 |
| 6trans12epi LTB4 + LTB4 [%] | 33 | -18.3(16.5) | 33 | -8.4(2.4) | 0.56 |
| 13HODE [%] | 40 | 55.1(50.0) | 43 | -13.2(21.8) | 0.21 |
| 9HODE [%] | 40 | 57.3(50.0) | 43 | -10.9(24.5) | 0.23 |
| 15HETE [%] | 40 | 52.1(44.5) | 43 | 2.4(14.4) | 0.29 |
| 14S-HDHA [%] | 40 | 53.5(46.4) | 42 | -4.2(19.7) | 0.26 |
| (14S-HDoHE) | | | | | |
| 11HETE [%] | 40 | 56.3(45.0) | 43 | 0.8(16.6) | 0.25 |
| 12HETE [%] | 40 | 92.2(79.5) | 43 | -57.7(66.8) | 0.15 |
| 5HETE [%] | 40 | 89.5 (74.0) | 43 | -21.4(42.1) | 0.20 |
| 5-oxoETE [%] | 40 | 44.2(27.9) | 43 | -15.1(10.1) | 0.05 |

DAS28-CRP high-responder defined as the 50 samples with the greatest decrease in DAS28-CRP, versus low responders with the least decrease.

Oxylipin values are changes from baseline to 6 months (6 month minus baseline)

*p<0.05 between means

Values are Mean(SEM)

%Values represented as $\text{Log}_{10}(x+1) \times 10^3$

Additional missingness of data in some oxylipins (6k PGF1 α , TXB2, PGE2, LXA4, 6trans12epi LTB4 + LTB4).