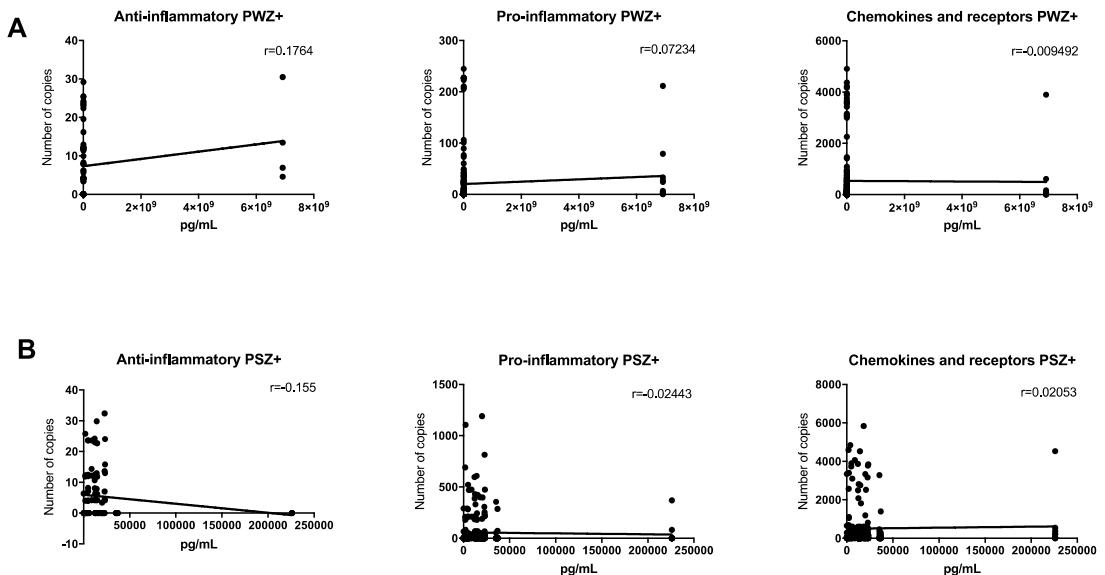
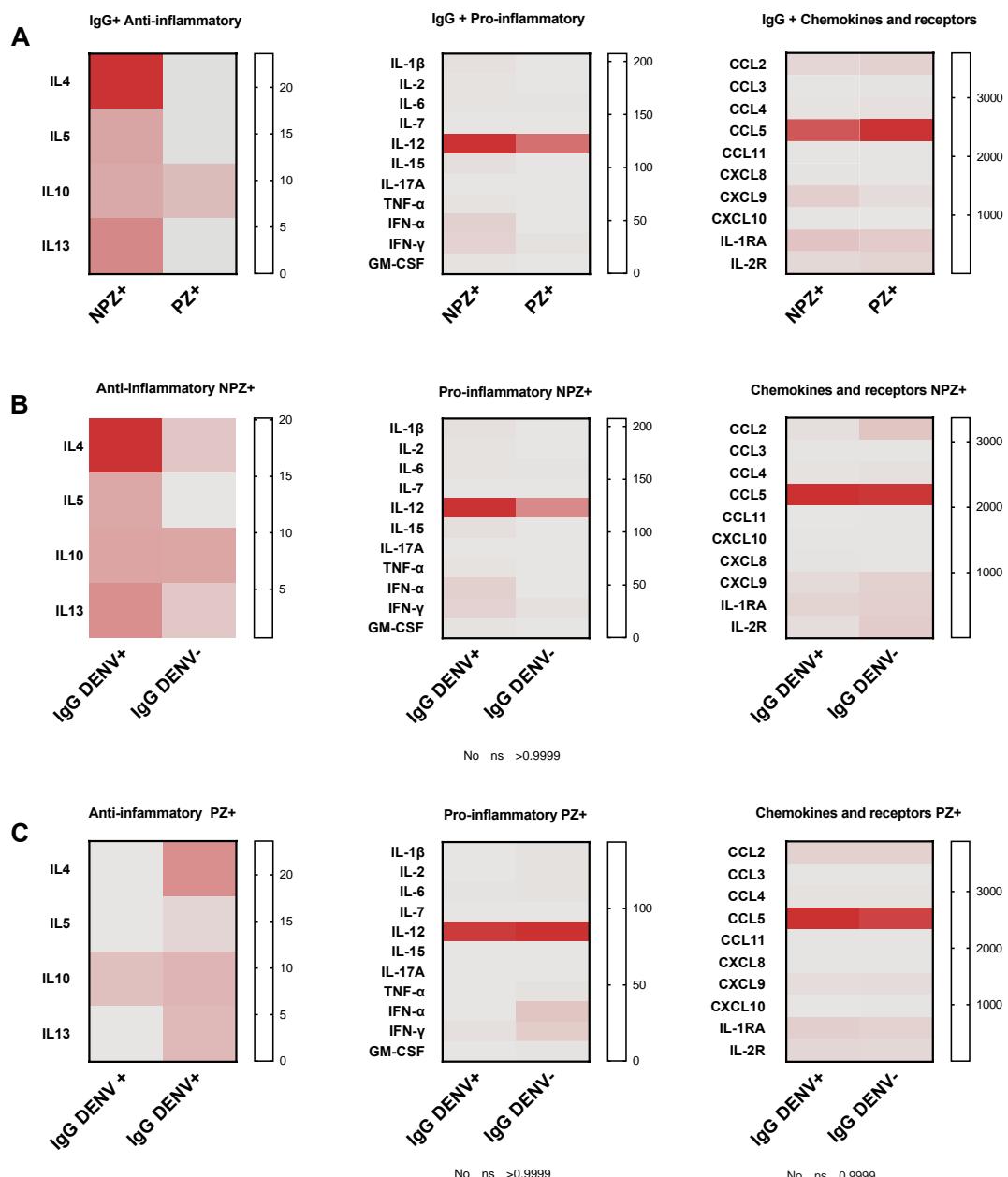


**Supplementary Figure S1. Relationship between viral load and serum cytokine concentration between NPZ+ and PZ+ infected groups.** NPZ+ (A) anti-inflammatory cytokines, (B) proinflammatory, (C) chemokines. PZ+ (D) anti-inflammatory cytokines, (E) proinflammatory (F) chemokines and receptors. Correlation analysis of Pearson's r test.



**Supplementary Figure S2. Relationship between viral load and serum cytokine concentration between infected groups. (A) PWZ+ and (B) PSZ+. Anti-inflammatory cytokines, proinflammatory, chemokines and receptors. Correlation analysis of Pearson's r test. Correlation analysis of Pearson's r test.**



**Supplementary Figure S3. Relationship between IgG DENV infected groups.** (A) Relationship between IgG DENV NPZ+ and PZ+ infected groups, (B) NPZ+ positive vs negative IgG DENV (C) PZ+ positive vs negative IgG DENV. Sidak's multiple comparisons test  $p>0.005$ .

**Supplementary Table S1. Cytokine concentrations in nonpregnant healthy women and nonpregnant women infected with ZIKV.** Healthy nonpregnant women (NPH=14); Nonpregnant women ZIKV positives (NPZ+=22); Cytokines were determined by a Luminex 25-plex assay (pg/mL) and grouped in Anti-inflammatory, proinflammatory and chemokines and receptors. NS: not statistically significant; BDL: below detection limit

| Experimental group |         |         |         |        |         |         |          |      |
|--------------------|---------|---------|---------|--------|---------|---------|----------|------|
| Cytokines          | NPH     |         |         | NPZ+   |         |         | <i>P</i> |      |
|                    | Median. | Q1      | Q3      | Median | Q1      | Q3      |          |      |
| Anti-inflammatory  |         |         |         |        |         |         |          |      |
| IL-4               | BDL     | BDL     | BDL     | BDL    | BDL     | 23.31   | 0.0554   | NS   |
| IL-5               | BDL     | BDL     | BDL     | BDL    | BDL     | 4.17    | 0.0107   | *    |
| IL-10              | BDL     | BDL     | BDL     | 6.945  | 3.4     | 9.57    | <0.0001  | **** |
| IL-13              | BDL     | BDL     | BDL     | BDL    | BDL     | 12.21   | 0.0051   | **   |
| Pro-inflammatory   |         |         |         |        |         |         |          |      |
| IL-1 $\beta$       | 0.27    | BDL     | 0.27    | 0.16   | BDL     | 6.71    | 0.3527   | NS   |
| IL-2               | BDL     | BDL     | BDL     | 0.7701 | BDL     | 3.28    | 0.0418   | *    |
| IL-6               | BDL     | BDL     | BDL     | 2.004  | 0.91    | 3.45    | 0.0026   | **   |
| IL-7               | BDL     | BDL     | BDL     | BDL    | BDL     | BDL     | 0.2925   | NS   |
| IL-12              | 80.02   | 71.91   | 100.2   | 112.9  | 79.15   | 200.67  | 0.0422   | *    |
| IL-15              | BDL     | BDL     | BDL     | BDL    | BDL     | 8.16    | 0.0554   | NS   |
| IL-17 A            | BDL     | BDL     | BDL     | BDL    | BDL     | BDL     | 0.2667   | NS   |
| TNF- $\alpha$      | BDL     | BDL     | BDL     | BDL    | BDL     | 2.71    | 0.0105   | *    |
| IFN- $\alpha$      | BDL     | BDL     | BDL     | 10.8   | BDL     | 25.28   | 0.0819   | NS   |
| IFN- $\gamma$      | BDL     | BDL     | BDL     | 8.07   | 1.87    | 22.17   | <0.0001  | **** |
| GM-CSF             | BDL     | BDL     | BDL     | BDL    | BDL     | 3.2     | 0.0107   | *    |
| Chemokines         |         |         |         |        |         |         |          |      |
| CCL2               | 323.4   | 244.17  | 452.06  | 478.2  | 234.17  | 879.04  | 0.3471   | NS   |
| CCL3               | BDL     | BDL     | BDL     | 12.39  | 2.36    | 24.34   | 0.006    | **   |
| CCL4               | 125.6   | 104.29  | 133.62  | 103.3  | 54.34   | 117.55  | 0.0357   | *    |
| CCL5               | 2825    | 2397.46 | 3486.13 | 3136   | 2654.09 | 3598.16 | 0.4654   | NS   |
| CCL11              | 27.71   | 19.45   | 40.37   | 8.48   | 4.87    | 26.71   | 0.0095   | **   |
| CXCL8              | BDL     | BDL     | BDL     | 19.24  | 6.19    | 38.31   | <0.0001  | **** |
| CXCL9              | 48.59   | 41.55   | 148.87  | 356.1  | 111.66  | 578.61  | 0.0002   | ***  |
| CXCL10             | 7.9     | 6.61    | 11.4    | 9.519  | 5.65    | 12.87   | 0.7067   | NS   |
| Receptors          |         |         |         |        |         |         |          |      |
| IL-1RA             | 233.8   | 158.9   | 294.61  | 400.4  | 291.84  | 631.8   | 0.0005   | ***  |
| IL-2R              | 241.2   | 209.2   | 305.26  | 421.4  | 148.96  | 565.73  | 0.1726   | NS   |

**Supplementary Table S2. Cytokines in nonpregnant and pregnant women not infected with ZIKV.** Cytokines were determined by a Luminex 25-plex assay. Groups: Healthy nonpregnant women (NPH=14); Healthy pregnant women (PH=30). Cytokines were determined by a Luminex 25-plex assay (pg/mL) and grouped in Anti-inflammatory, proinflammatory and chemokines and receptors. NS: not statistically significant; BDL: below detection limit.

| Cytokines         | Experimental group |         |         |        |         |         |          |      |
|-------------------|--------------------|---------|---------|--------|---------|---------|----------|------|
|                   | NPH                |         |         | PH     |         |         | <i>P</i> |      |
|                   | Median             | Q1      | Q3      | Median | Q1      | Q3      |          |      |
| Anti-inflammatory |                    |         |         |        |         |         |          |      |
| IL-4              | BDL                | BDL     | BDL     | BDL    | BDL     | 22.7    | 0.1218   | NS   |
| IL-5              | BDL                | BDL     | BDL     | BDL    | BDL     | 4.02    | 0.0199   | *    |
| IL-10             | BDL                | BDL     | BDL     | BDL    | BDL     | 5.55    | 0.02     | *    |
| IL-13             | BDL                | BDL     | BDL     | BDL    | BDL     | 11.66   | 0.136    | NS   |
| Pro-inflammatory  |                    |         |         |        |         |         |          |      |
| IL-1 $\beta$      | 0.27               | BDL     | 0.27    | BDL    | BDL     | 4.02    | 0.6904   | NS   |
| IL-2              | BDL                | BDL     | BDL     | BDL    | BDL     | 11.66   | <0.0001  | **** |
| IL-6              | BDL                | BDL     | BDL     | BDL    | BDL     | 5.55    | <0.0001  | **** |
| IL-7              | BDL                | BDL     | BDL     | BDL    | BDL     | 21.71   | >0.999   | NS   |
| IL-12             | 80.02              | 71.91   | 100.2   | 78.27  | 52.36   | 22.7    | 0.9652   | NS   |
| IL-15             | BDL                | BDL     | BDL     | BDL    | BDL     | 2.13    | 0.2326   | NS   |
| IL-17 A           | BDL                | BDL     | BDL     | BDL    | BDL     | 2.35    | 0.556    | NS   |
| TNF- $\alpha$     | BDL                | BDL     | BDL     | BDL    | BDL     | 3       | 0.02     | *    |
| IFN- $\alpha$     | BDL                | BDL     | BDL     | BDL    | BDL     | 5.15    | 0.5618   | NS   |
| IFN- $\gamma$     | BDL                | BDL     | BDL     | BDL    | BDL     | 191.38  | 0.0097   | **   |
| GM-CSF            | BDL                | BDL     | BDL     | BDL    | BDL     | 6.18    | 0.0199   | *    |
| Chemokines        |                    |         |         |        |         |         |          |      |
| CCL2              | 323.4              | 244.17  | 452.06  | 258.7  | 165.93  | 329.41  | 0.0625   | NS   |
| CCL3              | BDL                | BDL     | BDL     | 6.76   | BDL     | 19.28   | 0.0304   | *    |
| CCL4              | 125.6              | 104.29  | 133.62  | 88.77  | 64.28   | 121.59  | 0.0155   | *    |
| CCL5              | 2825               | 2397.46 | 3486.13 | 3498   | 3177.52 | 3890.53 | 0.0448   | *    |
| CCL11             | 27.71              | 19.45   | 40.37   | 8.91   | 7.31    | 13.34   | <0.0001  | **** |
| CXCL8             | BDL                | BDL     | BDL     | 2.62   | BDL     | 10.5    | 0.0017   | **   |
| CXCL9             | 48.59              | 41.55   | 148.87  | 62.03  | 37.68   | 127.49  | 0.995    | NS   |
| CXCL10            | 7.9                | 6.61    | 11.4    | 1.21   | 0.9     | 1.73    | <0.0001  | **** |
| Receptors         |                    |         |         |        |         |         |          |      |
| IL-1RA            | 233.8              | 158.9   | 294.61  | 204.4  | 137.5   | 298.01  | 0.4811   | NS   |
| IL-2R             | 241.2              | 209.2   | 305.26  | 206.5  | 103.58  | 307.7   | 0.2319   | NS   |

**Supplementary Table S3. Cytokines in healthy pregnant women and pregnant women infected with ZIKV.**, healthy pregnant women (PH= 30), Pregnant women ZIKV positive (PZ+= 44). Cytokines were determined by a Luminex 25-plex assay (pg/mL) and grouped in Anti-inflammatory, proinflammatory and chemokines and receptors. NS: not statistically significant; BDL: below detection limit.

| Cytokines         | Experimental group |         |         |        |         |         | <i>P</i> |      |
|-------------------|--------------------|---------|---------|--------|---------|---------|----------|------|
|                   | PH                 |         |         |        | PZ+     |         |          |      |
|                   | Median             | Q1      | Q2      | Median | Q1      | Q3      |          |      |
| Anti-inflammatory |                    |         |         |        |         |         |          |      |
| IL-4              | BDL                | BDL     | 22.7    | BDL    | BDL     | 23.96   | 0.0523   | NS   |
| IL-5              | BDL                | BDL     | 4.02    | BDL    | BDL     | 4.16    | 0.2217   | NS   |
| IL-10             | BDL                | BDL     | 5.55    | 6.15   | BDL     | 7.91    | 0.0009   | ***  |
| IL-13             | BDL                | BDL     | 11.66   | BDL    | BDL     | 12.05   | 0.0995   | NS   |
| Pro-inflammatory  |                    |         |         |        |         |         |          |      |
| IL-1 $\beta$      | BDL                | BDL     | 4.02    | 1.214  | BDL     | 7.22    | 0.251    | NS   |
| IL-2              | BDL                | BDL     | 11.66   | 1.31   | BDL     | 3.59    | 0.2154   | NS   |
| IL-6              | BDL                | BDL     | 5.55    | 2.69   | BDL     | 4.06    | 0.0073   | **   |
| IL-7              | BDL                | BDL     | 21.71   | BDL    | BDL     | BDL     | 0.1418   | NS   |
| IL-12             | 78.27              | 52.36   | 22.7    | 141.35 | 65.66   | 211.47  | 0.0804   | NS   |
| IL-15             | BDL                | BDL     | 2.13    | BDL    | BDL     | 17.36   | 0.2145   | NS   |
| IL-17 A           | BDL                | BDL     | 2.35    | BDL    | BDL     | 0.06    | 0.0411   | *    |
| TNF- $\alpha$     | BDL                | BDL     | 3.00    | 1.17   | BDL     | 2.85    | 0.0484   | *    |
| IFN- $\alpha$     | BDL                | BDL     | 5.15    | 23.41  | BDL     | 34.36   | 0.0022   | **   |
| IFN- $\gamma$     | BDL                | BDL     | 191.38  | 12.12  | BDL     | 22.87   | 0.0454   | *    |
| GM-CSF            | BDL                | BDL     | 6.18    | BDL    | BDL     | 3.22    | 0.0675   | NS   |
| Chemokines        |                    |         |         |        |         |         |          |      |
| CCL2              | 258.7              | 165.93  | 329.41  | 421.9  | 212.92  | 604.85  | 0.0016   | **   |
| CCL3              | 6.76               | BDL     | 19.28   | 14.53  | 2.36    | 31      | 0.0853   | NS   |
| CCL4              | 88.77              | 64.28   | 121.59  | 75     | 54.43   | 101.19  | 0.1998   | NS   |
| CCL5              | 3498               | 3177.52 | 3890.53 | 3568   | 3049.29 | 3968.19 | 0.9346   | NS   |
| CCL11             | 8.91               | 7.31    | 13.34   | 7.159  | 4.82    | 14.29   | 0.0695   | NS   |
| CXCL8             | 2.62               | BDL     | 10.5    | 9.836  | 1.78    | 17.58   | 0.0123   | *    |
| CXCL9             | 62.03              | 37.68   | 127.49  | 166.7  | 82.1    | 262.35  | <0.0001  | **** |
| CXCL10            | 1.21               | 0.9     | 1.73    | 6.68   | 3.24    | 10.35   | <0.0001  | **** |
| Receptors         |                    |         |         |        |         |         |          |      |
| IL-1RA            | 204.4              | 137.5   | 298.01  | 411.6  | 286.58  | 609.49  | <BDL01   | **** |
| IL-2R             | 206.5              | 103.58  | 307.7   | 264.6  | 142.36  | 531.52  | 0.0319   | *    |

**Supplementary Table S4. Cytokines in nonpregnant and pregnant women infected with ZIKV.** Nonpregnant women with ZIKV infection (NPZ+=22); Pregnant women with ZIKV infection (PZ+=44) Cytokines were determined by a Luminex 25-plex assay (pg/mL) and grouped in Anti-inflammatory, proinflammatory and chemokines and receptors. NS: not statistically significant; BDL: below detection limit.

| Cytokines         | Experimental group |         |         |        |         |         | <i>P</i>   |  |
|-------------------|--------------------|---------|---------|--------|---------|---------|------------|--|
|                   | NPZ+               |         |         | PZ+    |         |         |            |  |
|                   | Median             | Q1      | Q3      | Median | Q1      | Q3      |            |  |
| Anti-inflammatory |                    |         |         |        |         |         |            |  |
| IL-4              | BDL                | BDL     | 23.31   | BDL    | BDL     | 23.96   | 0.4101 NS  |  |
| IL-5              | BDL                | BDL     | 4.17    | BDL    | BDL     | 4.16    | 0.6445 NS  |  |
| IL-10             | 6.95               | 3.4     | 9.57    | 6.15   | BDL     | 7.91    | 0.1573 NS  |  |
| IL-13             | BDL                | BDL     | 12.21   | BDL    | BDL     | 12.05   | 0.9446 NS  |  |
| Pro-inflammatory  |                    |         |         |        |         |         |            |  |
| IL-1 $\beta$      | 0.14               | BDL     | 6.71    | 1.21   | BDL     | 7.22    | 0.6383 NS  |  |
| IL-2              | 0.77               | BDL     | 3.28    | 1.31   | BDL     | 3.59    | 0.7047 NS  |  |
| IL-6              | 2                  | 0.91    | 3.45    | 2.69   | BDL     | 4.06    | 0.9155 NS  |  |
| IL-7              | BDL                | BDL     | BDL     | BDL    | BDL     | BDL     | 0.2925 NS  |  |
| IL-12             | 112.9              | 79.15   | 200.67  | 141.35 | 65.67   | 211.47  | 0.9435 NS  |  |
| IL-15             | BDL                | BDL     | 8.16    | BDL    | BDL     | 17.36   | 0.8997 NS  |  |
| IL-17 A           | BDL                | BDL     | BDL     | BDL    | BDL     | 0.06    | 0.2891 NS  |  |
| TNF- $\alpha$     | BDL                | BDL     | 2.71    | 1.17   | BDL     | 2.85    | 0.34588 NS |  |
| IFN- $\alpha$     | 10.8               | BDL     | 25.28   | 23.41  | BDL     | 34.36   | 0.3546 NS  |  |
| IFN- $\gamma$     | 8.069              | 1.87    | 22.17   | 12.12  | BDL     | 22.87   | 0.7158 NS  |  |
| GM-CSF            | BDL                | BDL     | 3.2     | BDL    | BDL     | 3.22    | 0.3771 NS  |  |
| Chemokines        |                    |         |         |        |         |         |            |  |
| CCL2              | 478.2              | 234.17  | 879.04  | 421.9  | 212.93  | 604.85  | 0.48446 NS |  |
| CCL3              | 12.39              | 2.36    | 24.34   | 14.53  | 2.36    | 31      | 0.7102 NS  |  |
| CCL4              | 103.3              | 54.34   | 117.55  | 75     | 54.43   | 101.19  | 0.3961 NS  |  |
| CCL5              | 3136               | 2654.09 | 3598.16 | 3568   | 3049.29 | 3968.19 | 0.1266 NS  |  |
| CCL11             | 8.476              | 4.87    | 26.71   | 7.16   | 4.82    | 14.29   | 0.2015 NS  |  |
| CXCL8             | 19.24              | 6.19    | 38.31   | 9.84   | 1.78    | 17.58   | 0.058 NS   |  |
| CXCL9             | 356.1              | 111.66  | 578.61  | 166.7  | 82.1    | 262.35  | 0.027 *    |  |
| CXCL10            | 9.52               | 5.65    | 12.87   | 6.68   | 3.24    | 10.35   | 0.0959 NS  |  |
| Receptors         |                    |         |         |        |         |         |            |  |
| IL-1RA            | 400.4              | 291.84  | 631.8   | 411.6  | 286.58  | 609.49  | 0.9973 NS  |  |
| IL-2R             | 421.4              | 148.96  | 565.73  | 264.6  | 142.36  | 531.52  | 0.5102 NS  |  |

**Supplementary Table S5. Cytokines in healthy pregnant women and pregnant women infected with ZIKV by trimester.** Healthy pregnant women (PH; 1st=10, 2nd=15 and 3rd=5), pregnant women infected with ZIKV (PZ+; 1st=11, 2nd=27 and 3rd=6). Cytokines were determined by a Luminex 25-plex assay (pg/mL) and grouped in Anti-inflammatory, proinflammatory and chemokines and receptors. NS: not statistically significant; BDL: below detection limit.

| Cytokines         | 1st trimester |         |         |         |         |         | 2nd trimester |     |         |         |         |         | 3rd trimester |         |       |        |         |         |        |         |         |         |       |    |
|-------------------|---------------|---------|---------|---------|---------|---------|---------------|-----|---------|---------|---------|---------|---------------|---------|-------|--------|---------|---------|--------|---------|---------|---------|-------|----|
|                   | PH            |         |         | PZ+     |         |         | PH            |     |         | PZ+     |         |         | PH            |         |       | PZ+    |         |         |        |         |         |         |       |    |
|                   | Median        | Q1      | Q3      | Median  | Q1      | Q3      | Median        | Q1  | Q3      | Median  | Q1      | Q3      | Median        | Q1      | Q3    | Median | Q1      | Q3      |        |         |         |         |       |    |
| Anti-inflammatory |               |         |         |         |         |         |               |     |         |         |         |         |               |         |       |        |         |         |        |         |         |         |       |    |
| IL-4              | BDL           | BDL     | 17.02   | 23.00   | BDL     | 24.62   | 0.01          | *   | BDL     | 11.20   | BDL     | 23.62   | >0.99         | NS      | 22.70 | BDL    | 23.31   | 23.00   | >0.99  | NS      |         |         |       |    |
| IL-5              | BDL           | BDL     | 2.97    | 4.03    | BDL     | 4.14    | 0.02          | *   | BDL     | 1.98    | BDL     | 4.15    | >0.99         | NS      | 4.03  | BDL    | 4.44    | 4.03    | >0.99  | NS      |         |         |       |    |
| IL-10             | BDL           | BDL     | 4.18    | 7.80    | 1.70    | 8.15    | 0.02          | *   | BDL     | BDL     | 2.73    | 1.70    | BDL           | 6.79    | 0.03  | *      | 5.46    | BDL     | 5.79   | 7.02    | 4.78    | 8.13    | >0.99 | NS |
| IL-13             | BDL           | BDL     | 8.65    | 11.70   | BDL     | 12.09   | 0.01          | *   | BDL     | BDL     | 8.74    | BDL     | 11.85         | >0.99   | NS    | 11.85  | BDL     | 12.33   | 5.93   | 12.49   | >0.99   | NS      |       |    |
| Proinflammatory   |               |         |         |         |         |         |               |     |         |         |         |         |               |         |       |        |         |         |        |         |         |         |       |    |
| IL-1 $\beta$      | 0.14          | BDL     | 7.32    | 4.32    | BDL     | 7.57    | >0.99         | NS  | BDL     | 1.97    | BDL     | 6.52    | 0.20          | NS      | 3.81  | BDL    | 6.76    | 6.76    | 2.41   | 11.93   | >0.99   | NS      |       |    |
| IL-2              | BDL           | BDL     | 3.14    | 3.18    | BDL     | 3.25    | 0.28          | NS  | BDL     | BDL     | 2.62    | BDL     | 3.59          | >0.99   | NS    | 2.90   | 1.54    | 3.18    | 3.04   | 1.45    | 3.73    | >0.99   | NS    |    |
| IL-6              | 0.90          | 0.91    | 2.23    | 2.55    | BDL     | 3.44    | 0.99          | NS  | BDL     | BDL     | 0.66    | 2.55    | BDL           | 5.32    | >0.99 | NS     | 2.13    | BDL     | 2.13   | 3.11    | 0.96    | 3.83    | >0.99 | NS |
| IL-7              | BDL           | BDL     | BDL     | BDL     | 0.00    | >0.99   | NS            | BDL | BDL     | BDL     | BDL     | BDL     | >0.99         | NS      | BDL   | BDL    | BDL     | BDL     | BDL    | >0.99   | NS      |         |       |    |
| IL-12             | 73.90         | 51.47   | 179.29  | 205.90  | 83.00   | 226.95  | >0.99         | NS  | 62.27   | 51.65   | 140.54  | 77.39   | 61.59         | 211.22  | >0.99 | NS     | 205.23  | 124.90  | 218.74 | 188.77  | 183.37  | 209.11  | 0.22  | NS |
| IL-15             | BDL           | BDL     | 10.47   | BDL     | BDL     | 6.49    | 0.31          | NS  | BDL     | BDL     | BDL     | BDL     | 18.72         | >0.99   | NS    | BDL    | BDL     | BDL     | 10.64  | 8.24    | BDL     | 31.96   | >0.99 | NS |
| IL-17 A           | BDL           | BDL     | BDL     | BDL     | 0.00    | 0.16    | NS            | BDL | BDL     | BDL     | BDL     | BDL     | 0.21          | NS      | BDL   | BDL    | BDL     | BDL     | 0.27   | BDL     | 0.73    | >0.99   | NS    |    |
| TNF- $\alpha$     | BDL           | BDL     | 1.65    | 2.42    | BDL     | 3.04    | 0.99          | NS  | BDL     | BDL     | 1.17    | BDL     | BDL           | 2.64    | 0.28  | NS     | 2.42    | BDL     | 2.49   | 2.79    | 1.25    | 3.69    | >0.99 | NS |
| IFN- $\alpha$     | BDL           | BDL     | 14.80   | 28.60   | BDL     | 37.92   | 0.28          | NS  | BDL     | BDL     | 9.19    | 10.80   | BDL           | 32.80   | >0.99 | NS     | 25.52   | BDL     | 26.53  | 27.92   | 10.81   | 33.35   | >0.99 | NS |
| IFN- $\gamma$     | 0.69          | BDL     | 16.62   | 20.70   | 1.67    | 22.43   | >0.99         | NS  | BDL     | BDL     | 8.70    | 3.35    | BDL           | 22.77   | >0.99 | NS     | 21.71   | 1.37    | 23.23  | 19.95   | 10.18   | 21.87   | 0.48  | NS |
| GM-CSF            | BDL           | BDL     | 2.36    | 3.19    | BDL     | 3.23    | >0.99         | NS  | BDL     | BDL     | 1.57    | BDL     | BDL           | 3.22    | >0.99 | NS     | 3.18    | BDL     | 3.20   | 3.20    | 1.59    | 3.23    | >0.99 | NS |
| Chemokines        |               |         |         |         |         |         |               |     |         |         |         |         |               |         |       |        |         |         |        |         |         |         |       |    |
| CCL2              | 245.08        | 116.90  | 427.01  | 482.85  | 264.85  | 608.42  | >0.99         | NS  | 285.51  | 193.20  | 327.42  | 450.88  | 230.20        | 643.81  | >0.99 | NS     | 203.13  | 157.67  | 315.43 | 323.09  | 254.56  | 408.23  | >0.99 | NS |
| CCL3              | 8.95          | BDL     | 19.28   | 12.53   | BDL     | 25.08   | >0.99         | NS  | BDL     | BDL     | 19.28   | 19.28   | 8.81          | 32.45   | 0.02  | **     | 7.63    | 4.41    | 9.44   | 8.46    | 2.06    | 13.91   | >0.99 | NS |
| CCL4              | 84.57         | 64.28   | 124.58  | 67.54   | 37.96   | 104.08  | >0.99         | NS  | 101.22  | 72.08   | 127.61  | 80.53   | 54.61         | 109.40  | >0.99 | NS     | 73.72   | 72.43   | 88.77  | 73.08   | 46.97   | 87.75   | >0.99 | NS |
| CCL5              | 3576.99       | 3276.94 | 4414.62 | 3449.34 | 3291.87 | 4056.57 | >0.99         | NS  | 3463.02 | 3118.88 | 3775.04 | 3490.23 | 2859.61       | 4000.65 | >0.99 | NS     | 3773.79 | 3395.06 | 479.03 | 3388.14 | 3019.30 | 3756.30 | >0.99 | NS |
| CCL11             | 12.48         | 7.65    | 16.27   | 13.58   | 8.77    | 15.33   | >0.99         | NS  | 8.48    | 7.01    | 13.28   | 5.78    | 3.39          | 10.99   | >0.99 | NS     | 8.67    | 8.48    | 12.93  | 5.47    | 4.99    | 13.13   | >0.99 | NS |
| CXCL8             | 66.15         | 55.40   | 139.24  | 299.83  | 100.21  | 299.85  | >0.99         | NS  | 62.03   | 42.27   | 96.02   | 166.73  | 113.50        | 230.56  | 0.02  | **     | 36.39   | 28.30   | 110.67 | 82.46   | 74.59   | 181.32  | >0.99 | NS |
| CXCL9             | 6.28          | BDL     | 11.81   | 6.07    | BDL     | 11.99   | 0.99          | NS  | BDL     | 0.00    | 7.71    | 9.84    | 2.09          | 21.16   | 0.99  | NS     | 11.04   | 8.04    | 13.28  | 13.44   | 9.07    | 16.47   | >0.99 | NS |
| CXCL10            | 1.32          | 0.54    | 1.63    | 14.29   | 6.58    | 22.24   | 0.99          | NS  | 1.13    | 0.89    | 1.68    | 5.95    | 2.84          | 8.95    | 0.99  | NS     | 1.29    | 1.27    | 2.08   | 6.07    | 3.88    | 7.46    | >0.99 | NS |
| Receptors         |               |         |         |         |         |         |               |     |         |         |         |         |               |         |       |        |         |         |        |         |         |         |       |    |
| IL-1RA            | 169.82        | 121.49  | 204.77  | 284.24  | 204.17  | 575.50  | >0.99         | NS  | 219.26  | 181.13  | 317.99  | 426.68  | 313.18        | 591.97  | >0.99 | NS     | 261.41  | 190.83  | 300.87 | 367.99  | 318.87  | 752.25  | >0.99 | NS |
| IL-2R             | 162.45        | 98.45   | 269.00  | 250.64  | 147.55  | 454.42  | >0.99         | NS  | 217.51  | 137.36  | 295.37  | 336.51  | 159.12        | 557.22  | >0.99 | NS     | 133.05  | 108.24  | 356.30 | 161.11  | 113.25  | 321.94  | >0.99 | NS |

**Supplementary Table S6. Cytokines in weakly symptomatic pregnant and symptomatic pregnant women infected with ZIKV.** Weakly symptomatic pregnant women (PWZ+= 19) and symptomatic pregnant women (PSZ+= 25). Cytokines were determined by a Luminex 25-plex assay (pg/mL) and grouped in Anti-inflammatory, proinflammatory and chemokines and receptors. NS: not statistically significant; BDL: below detection limit.

| Cytokines         | Experimental group |         |         |         |         |         | <i>P</i> |      |
|-------------------|--------------------|---------|---------|---------|---------|---------|----------|------|
|                   | PWZ+               |         |         | PSZ+    |         |         |          |      |
|                   | Median             | Q1      | Q3      | Median  | Q1      | Q3      |          |      |
| Anti-inflammatory |                    |         |         |         |         |         |          |      |
| IL-4              | 23.00              | BDL     | 24.78   | 0.00    | BDL     | 23.62   | 0.240    | NS   |
| IL-5              | 4.03               | BDL     | 4.17    | 0.00    | BDL     | 4.17    | 0.2737   | NS   |
| IL-10             | 6.17               | 1.70    | 7.93    | 3.40    | BDL     | 7.87    | 0.3996   | NS   |
| IL-13             | 11.70              | BDL     | 12.01   | 0.00    | BDL     | 12.17   | 0.6340   | NS   |
| Pro-inflammatory  |                    |         |         |         |         |         |          |      |
| IL-1 $\beta$      | 4.82               | 0.00    | 8.72    | 0.00    | 0.00    | 6.76    | 0.3661   | NS   |
| IL-2              | 3.18               | 0.00    | 4.01    | 0.00    | 0.00    | 3.59    | 0.1555   | NS   |
| IL-6              | 2.82               | 0.00    | 3.74    | 1.93    | 0.00    | 5.27    | 0.8521   | NS   |
| IL-7              | 0.00               | 0.00    | 0.00    | 0.00    | 0.00    | 0.00    | 0.6221   | NS   |
| IL-12             | 208.27             | 83.00   | 226.94  | 81.75   | 60.45   | 208.44  | 0.0582   | NS   |
| IL-15             | 0.00               | 0.00    | 0.00    | 0.00    | 0.00    | 0.27    | 0.5336   | NS   |
| IL-17 A           | 0.00               | 0.00    | 29.65   | 0.00    | 0.00    | 15.28   | 0.3712   | NS   |
| TNF- $\alpha$     | 2.49               | 0.00    | 3.04    | 0.00    | 0.00    | 2.79    | 0.1123   | NS   |
| IFN- $\alpha$     | 28.60              | 10.80   | 36.18   | 0.00    | 0.00    | 32.13   | 0.0495   | *    |
| IFN- $\gamma$     | 20.70              | 0.00    | 22.91   | 3.35    | 0.00    | 20.75   | 0.4920   | NS   |
| GM-CSF            | 3.17               | 0.00    | 3.24    | 0.00    | 0.00    | 3.22    | 0.2708   | NS   |
| Chemokines        |                    |         |         |         |         |         |          |      |
| CCL2              | 343.08             | 160.80  | 608.42  | 435.31  | 316.20  | 604.28  | 0.5071   | NS   |
| CCL3              | 12.77              | 0.00    | 22.88   | 15.57   | 5.38    | 31.95   | <0.0001  | **** |
| CCL4              | 68.86              | 48.43   | 105.30  | 80.36   | 54.43   | 97.10   | 0.7030   | NS   |
| CCL5              | 3649.34            | 3122.89 | 3990.31 | 3343.12 | 2758.20 | 3899.02 | 0.4244   | NS   |
| CCL11             | 14.19              | 9.80    | 15.89   | 4.94    | 3.20    | 7.01    | <0.0001  | **** |
| CXCL8             | 8.76               | 4.05    | 13.46   | 13.44   | 1.05    | 28.61   | 0.2892   | NS   |
| CXCL9             | 208.70             | 60.22   | 299.85  | 162.62  | 110.67  | 215.93  | 0.9392   | NS   |
| CXCL10            | 12.30              | 2.80    | 17.85   | 6.07    | 3.52    | 8.57    | 0.1566   | NS   |
| Receptors         |                    |         |         |         |         |         |          |      |
| IL-1RA            | 492.17             | 239.27  | 622.47  | 399.81  | 307.37  | 521.37  | 0.7919   | NS   |
| IL-2R             | 250.64             | 147.55  | 487.98  | 307.03  | 142.77  | 544.97  | 0.9207   | NS   |