Supplementary Table 1: The plasma levels of cytokines and chemokines were measured in individuals age <36 (n=20) and age >36 (n=24).

| Markers | Month 0 | | | | | Month 3 | | | | |
|---------|---------| | | | |---------| | | | |
|         | <36     | >36 | pValue |         | <36     | >36 | pValue |
| IFNγ    | 0.1263  | 0.1199 | 0.5798 | IFNγ    | 2.583  | 3.15 | 0.3547 |
| IL-2    | 11.05   | 11.24 | 0.7214 | IL-2    | 15.62  | 15.24 | 0.8176 |
| TNFα    | 4306    | 4870 | 0.5721 | TNFα    | 10327  | 10888 | 0.9953 |
| IL-17A  | 20.25   | 19.8  | 0.7259 | IL-17A  | 33.65  | 30.3  | 0.1349 |
| IL-6    | 12.77   | 15.26 | 0.0624 | IL-6    | 22.44  | 20.44 | 0.3863 |
| IL-12   | 81.37   | 91.47 | 0.1972 | IL-12   | 137.3  | 154.2 | 0.3309 |
| IL-1α   | 10      | 11.58 | 0.4826 | IL-1α   | 19.64  | 18.22 | 0.4717 |
| IL-1b   | 30.71   | 32.51 | 0.5051 | IL-1b   | 65.89  | 54.86 | 0.2545 |
| IL-4    | 8.633   | 9.257 | 0.124  | IL-4    | 12.52  | 11.95 | 0.4529 |
| IL-5    | 11.05   | 11.34 | 0.6334 | IL-5    | 17.72  | 15.48 | 0.0528 |
| IL-10   | 47.25   | 46.53 | 0.7666 | IL-10   | 108.4  | 101.7 | 0.9672 |
| IL-13   | 50.48   | 53.03 | 0.5518 | IL-13   | 71.95  | 68.78 | 0.3924 |
| IL-25   | 25.79   | 27.37 | 0.3776 | IL-25   | 19.55  | 17.39 | 0.2242 |
| IL-33   | 123.1   | 123.3 | 0.995  | IL-33   | 109.3  | 113.7 | 0.4321 |
| IFNα    | 16.26   | 17.61 | 0.3534 | IFNα    | 16.62  | 14.61 | 0.1221 |
| IFNβ    | 15.92   | 16.61 | 0.1854 | IFNβ    | 2.158  | 2.006 | 0.3557 |
| IL-3    | 104.8   | 96.68 | 0.5077 | IL-3    | 167.7  | 144.3 | 0.2545 |
| IL-7    | 8.926   | 10.71 | 0.1247 | IL-7    | 14.66  | 15.33 | 0.668  |
| GM-CSF  | 3.814   | 3.674 | 0.6482 | GM-CSF  | 2.731  | 3.319 | 0.3244 |
| IL-1ra  | 2290    | 2004  | 0.7075 | IL-1ra  | 1021   | 1953  | 0.1199 |
| CCL-2   | 1771    | 1986  | 0.5367 | CCL-2   | 2343   | 3579  | 0.4166 |
| CCL-3   | 109.8   | 111.5 | 0.7205 | CCL-3   | 115.4  | 151   | 0.0984 |
| CCL-4   | 81.14   | 86.39 | 0.344  | CCL-4   | 183.6  | 180.8 | 0.9204 |
| CCL-5   | 335631  | 314766| 0.9518 | CCL-5   | 299843 | 435478| 0.2485 |
| CXCL-1  | 5.623   | 5.651 | 0.7209 | CXCL-1  | 150.6  | 186.9 | 0.5692 |
| CXCL-2  | 83.56   | 147.6 | 0.4202 | CXCL-2  | 299843 | 435478| 0.3592 |
| CXCL-10 | 181.4   | 151.4 | 0.6586 | CXCL-10 | 90.1   | 153   | 0.3942 |
| CX3CL1  | 5956    | 5093  | 0.6844 | CX3CL1  | 1381   | 1890  | 0.9953 |

*Values appeared are Geometric Mean. P values were calculated using the Mann-Whitney test with Holm's correction for multiple comparisons.
**Supplementary Table 2** : Supplementary Table 1: The plasma levels of cytokines and chemokines were measured in Males (n=30) and Females (n=14)

| Markers | Month 0 | Month 3 |
|---------|---------|---------|
|         | Males   | Females | pValue | Males   | Females | pValue |
| IFNγ    | 0.1191  | 0.1243  | 0.8365 | IFNγ    | 2.811   | 3.073  | 0.7884 |
| IL-2    | 11.12   | 11.28   | 0.8065 | IL-2    | 15.29   | 15.65  | 0.7111 |
| TNFα    | 4728    | 4419    | 0.6485 | TNFα    | 11012   | 9889   | 0.7506 |
| IL-17A  | 19.9    | 20.17   | 0.8444 | IL-17A  | 31.11   | 33     | 0.776  |
| IL-6    | 14.13   | 14.03   | 0.9552 | IL-6    | 22.6    | 18.69  | 0.0694 |
| IL-12   | 88.83   | 84.04   | 0.4638 | IL-12   | 154.4   | 131.4  | 0.2411 |
| IL-1α   | 10.53   | 11.55   | 0.5933 | IL-1α   | 18.4    | 19.75  | 0.6005 |
| IL-1b   | 30.58   | 34.43   | 0.0782 | IL-1b   | 58.49   | 61.31  | 0.6218 |
| IL-4    | 9.026   | 8.844   | 0.598  | IL-4    | 12.09   | 12.41  | 0.7654 |
| IL-5    | 11.1    | 11.46   | 0.5739 | IL-5    | 16.15   | 17     | 0.5548 |
| IL-10   | 43.26   | 53.81   | 0.435  | IL-10   | 100     | 114.8  | 0.5704 |
| IL-13   | 52.1    | 51.76   | 0.8546 | IL-13   | 69.23   | 72.1   | 0.5467 |
| IL-25   | 27.23   | 25.29   | 0.057  | IL-25   | 17.69   | 19.66  | 0.2831 |
| IL-33   | 120.9   | 127.4   | 0.2526 | IL-33   | 110.6   | 114.4  | 0.4556 |
| IFNα    | 17.07   | 16.92   | 0.9048 | IFNα    | 15.23   | 15.93  | 0.5364 |
| IFNβ    | 15.4    | 18.14   | 0.7077 | IFNβ    | 2.042   | 2.132  | 0.5235 |
| IL-3    | 99.25   | 102.1   | 0.7502 | IL-3    | 152.1   | 158.1  | 0.6218 |
| IL-7    | 10.38   | 9.068   | 0.2069 | IL-7    | 16.17   | 12.87  | 0.0519 |
| GM-CSF  | 3.696   | 3.883   | 0.6934 | GM-CSF  | 3.21    | 2.737  | 0.4719 |
| IL-1ra  | 1887    | 2576    | 0.3755 | IL-1ra  | 1421    | 1602   | 0.7985 |
| CCL-2   | 1793    | 1850    | 0.9901 | CCL-2   | 3288    | 2401   | 0.7296 |
| CCL-3   | 117.2   | 98.38   | **0.0014** | CCL-3   | 139.3   | 124.6  | 0.473  |
| CCL-4   | 84.2    | 84.46   | 0.985  | CCL-4   | 175.9   | 195.7  | 0.6756 |
| CCL-5   | 298917  | 365884  | 0.7181 | CCL-5   | 387689  | 336657 | 0.7368 |
| CXCL-1  | 4.279   | 10.84   | 0.083  | CXCL-1  | 168.1   | 175    | 0.8276 |
| CXCL-2  | 101.1   | 152.5   | 0.5452 | CXCL-2  | 1593    | 1781   | 0.8325 |
| CXCL-10 | 143.6   | 220.8   | 0.333  | CXCL-10 | 137.1   | 94.44  | 0.4505 |
| CX3CL1  | 5367    | 5430    | 0.9233 | CX3CL1  | 11012   | 9889   | 0.7506 |

*Values appeared are Geometric Mean. P values were calculated using the Mann-Whitney test with Holm's correction for multiple comparisons.*