

Main figures

| Figure | Population | Data (paired) | Mean/Median Difference | |
|--------------------|-------------------------|--------------------|------------------------|-------|
| 1B | Monocytes | AS SF vs AS blood | 4.18 | |
| | | RA SF vs RA blood | 47.2 | |
| | | RA SF vs AS SF | 45.35 | |
| | B cells | AS SF vs AS blood | -7.78 | |
| | | RA SF vs RA blood | -10.62 | |
| | | RA SF vs AS SF | -0.77 | |
| | NK cells | AS SF vs AS blood | 0.8467 | |
| | | RA SF vs RA blood | -2.288 | |
| | | RA SF vs AS SF | -4.065 | |
| 2B | T cells | AS SF vs AS blood | -12.11 | |
| | | RA SF vs RA blood | -30.87 | |
| | | RA SF vs AS SF | -45.55 | |
| | yd T cells | AS SF vs AS blood | 0.765 | |
| | | RA SF vs RA blood | 0.1 | |
| | | RA SF vs AS SF | -0.465 | |
| | CD4 T cells | AS SF vs AS blood | -15.01 | |
| | | RA SF vs RA blood | -6.58 | |
| | | RA SF vs AS SF | 12.45 | |
| | CD8 T cells | AS SF vs AS blood | 9.5 | |
| | | RA SF vs RA blood | 2.36 | |
| | | RA SF vs AS SF | -7.2 | |
| | 2C | Mature CD4 T cells | AS SF vs AS blood | 57.97 |
| | | | RA SF vs RA blood | 34.08 |
| | | | RA SF vs AS SF | -2.6 |
| Mature CD8 T cells | | AS SF vs AS blood | 47.95 | |
| | | RA SF vs RA blood | 38.32 | |
| | | RA SF vs AS SF | 0.6 | |
| 3D | CD103+CD49a+ InEx cells | AS SF vs AS blood | 3.465 | |
| | | RA SF vs RA blood | 2.16 | |
| | | RA SF vs AS SF | -1.79 | |

Main figures

| 95% CI of Difference | Significance | |
|----------------------|--------------|----------|
| -4.640 to 20.40 | ns | |
| -4.580 to 64.65 | ns | |
| -9.580 to 61.10 | ns | |
| -10.29 to -5.272 | **** | |
| -16.20 to -5.049 | ** | |
| -1.740 to 0.1300 | ns | |
| -1.200 to 2.894 | ns | |
| -6.178 to 1.602 | ns | |
| -6.070 to -2.370 | *** | |
| -26.50 to 2.285 | ns | |
| -69.93 to 8.189 | ns | |
| -59.96 to 5.390 | ns | |
| -1.040 to 4.570 | ns | |
| -0.08000 to 2.320 | ns | |
| -5.700 to 1.920 | ns | |
| -24.53 to -5.482 | ** | |
| -16.81 to 3.649 | ns | |
| -3.200 to 28.20 | ns | |
| 0.9716 to 18.03 | * | |
| -11.83 to 16.55 | ns | |
| -20.50 to 4.800 | ns | |
| 51.86 to 64.08 | **** | |
| 13.23 to 54.93 | * | |
| -11.30 to 3.200 | ns | |
| 39.27 to 56.64 | **** | |
| 8.662 to 67.98 | * | |
| -21.40 to 21.80 | ns | |
| 2.380 to 10.68 | *** | |
| 1.520 to 5.050 | ns | |
| -8.920 to 0.2400 | * | P=0.0469 |

Supplementary figures

| Figure | Population | Data (unpaired) | Data (paired) |
|-----------------|-------------------|-------------------|-------------------|
| S3A | CD4+ monocytes | - | AS SF vs AS blood |
| | | - | RA SF vs RA blood |
| | | - | RA SF vs AS SF |
| | CD16+ monocytes | - | AS SF vs AS blood |
| | | - | RA SF vs RA blood |
| | | - | RA SF vs AS SF |
| | CD61+ monocytes | - | AS SF vs AS blood |
| | | - | RA SF vs RA blood |
| | | - | RA SF vs AS SF |
| | HLADR+ monocytes | - | AS SF vs AS blood |
| | | - | RA SF vs RA blood |
| | | - | RA SF vs AS SF |
| S3B | B7+ NK cells | - | AS SF vs AS blood |
| | | - | RA SF vs RA blood |
| | | - | RA SF vs AS SF |
| | CCR1+ NK cells | - | AS SF vs AS blood |
| | | - | RA SF vs RA blood |
| | | - | RA SF vs AS SF |
| | CCR2+ NK cells | - | AS SF vs AS blood |
| | | - | RA SF vs RA blood |
| | | - | RA SF vs AS SF |
| | CD45RO+ NK cells | - | AS SF vs AS blood |
| | | - | RA SF vs RA blood |
| | | - | RA SF vs AS SF |
| | CD49a+ NK cells | - | AS SF vs AS blood |
| | | - | RA SF vs RA blood |
| | | - | RA SF vs AS SF |
| | CD103+ NK cells | - | AS SF vs AS blood |
| | | - | RA SF vs RA blood |
| | | - | RA SF vs AS SF |
| | CD16+ NK cells | - | AS SF vs AS blood |
| | | - | RA SF vs RA blood |
| | | - | RA SF vs AS SF |
| CXCR4+ NK cells | - | AS SF vs AS blood | |
| | - | RA SF vs RA blood | |
| | - | RA SF vs AS SF | |
| S4A | CD56hi NK cells | - | AS SF vs AS blood |
| | | - | RA SF vs RA blood |
| | | - | RA SF vs AS SF |
| | CD56hiCD16+ cells | - | AS SF vs AS blood |
| | | - | RA SF vs RA blood |
| | | - | RA SF vs AS SF |
| | CD56hiCD16- cells | - | AS SF vs AS blood |
| | | - | RA SF vs RA blood |
| | | - | RA SF vs AS SF |

Supplementary figures

| | | | | |
|------------|--------------------|--------------------------|-------------------|---|
| S4B | CD56dim NK cells | - | AS SF vs AS blood | - |
| | | - | RA SF vs RA blood | - |
| | | - | RA SF vs AS SF | - |
| | CD56dimCD16+ cells | - | AS SF vs AS blood | - |
| | | - | RA SF vs RA blood | - |
| | | - | RA SF vs AS SF | - |
| | CD56dimCD16- cells | - | AS SF vs AS blood | - |
| | | - | RA SF vs RA blood | - |
| | | - | RA SF vs AS SF | - |
| S5A | CD103+CD8+ T cells | AS SF vs AS blood | - | |
| | | RA SF vs AS SF | - | |
| | CD103+ cells | - | AS SF vs AS blood | - |
| | | - | RA SF vs RA blood | - |
| | | - | RA SF vs AS SF | - |
| S5B | CD103+B7+ cells | - | AS SF vs AS blood | - |
| | | - | RA SF vs RA blood | - |
| | | - | RA SF vs AS SF | - |
| | CD103-B7- cells | - | AS SF vs AS blood | - |
| | | - | RA SF vs RA blood | - |
| | | - | RA SF vs AS SF | - |
| S5D | CD49a+CD29+ cells | - | AS SF vs AS blood | - |
| | | - | RA SF vs RA blood | - |
| | | - | RA SF vs AS SF | - |
| S5E | CD103-CD49a- cells | - | AS SF vs AS blood | - |
| | | - | RA SF vs RA blood | - |
| | | - | RA SF vs AS SF | - |
| S9 | IL-10 | InEx unstim vs InEx stim | - | |
| | | InEx vs Non-InEx stim | - | |
| | TNF-a | InEx stim vs InEx unstim | - | |
| | | Non-InEx vs InEx stim | - | |
| | IL-17A | Non-InEx vs InEx unstim | - | |
| | | InEx stim vs InEx unstim | - | |
| | | Non-InEx vs InEx stim | - | |
| | Perforin | Non-InEx vs InEx unstim | - | |
| | | InEx stim vs InEx unstim | - | |
| | | Non-InEx vs InEx stim | - | |
| | Granzyme A | Non-InEx vs InEx unstim | - | |
| | | InEx stim vs InEx unstim | - | |
| | | Non-InEx vs InEx stim | - | |
| | Granzyme B | InEx stim vs InEx unstim | - | |

| Supplementary figures | | |
|-----------------------|--------------------------|---|
| | Non-InEx vs InEx stim | - |
| IFN- γ | InEx stim vs InEx unstim | - |
| | Non-InEx vs InEx stim | - |
| Granulysin | Non-InEx vs InEx unstim | - |
| | InEx stim vs InEx unstim | - |
| | Non-InEx vs InEx stim | - |

Supplementary figures

| Mean/Median Difference | 95% CI of Difference | Significance | |
|------------------------|----------------------|--------------|----------|
| 4.255 | 0.9300 to 9.420 | *** | |
| 1.07 | -37.59 to 25.20 | ns | |
| -3.76 | -11.11 to 14.70 | ns | |
| 17.27 | 6.935 to 27.60 | ** | |
| 3.52 | -20.48 to 27.52 | ns | |
| -38.4 | -61.10 to -2.900 | * | |
| -72.53 | -87.33 to -65.82 | *** | |
| -50.56 | -78.43 to -24.49 | ns | |
| -0.095 | -0.3400 to 0.2000 | ns | |
| 14.05 | 3.200 to 26.10 | ** | |
| 22.7 | -5.900 to 36.70 | ns | |
| -22.55 | -34.40 to -0.4000 | * | |
| 12.59 | 8.502 to 16.67 | **** | |
| 15.88 | -7.973 to 39.73 | ns | |
| -1.85 | -12.70 to 26.00 | ns | |
| 0.92 | -0.1120 to 3.685 | * | |
| 4.77 | -2.010 to 27.80 | ns | |
| 4.7 | -1.130 to 23.23 | ns | |
| 0.2448 | -0.5245 to 1.014 | ns | |
| 26.44 | -13.81 to 66.68 | ns | |
| 28.45 | -0.02000 to 75.07 | * | P=0.0485 |
| 5.555 | 5.400 to 14.32 | *** | |
| 11.5 | 2.340 to 41.73 | ns | |
| 8.01 | -4.130 to 26.80 | ns | |
| 46.46 | 19.17 to 57.29 | *** | |
| 24.82 | 2.420 to 74.33 | ns | |
| -19.15 | -42.40 to 22.00 | ns | |
| 12.1 | 8.337 to 15.85 | **** | |
| 15 | -8.917 to 38.92 | ns | |
| -4.3 | -13.50 to 27.10 | ns | |
| -48.2 | -60.29 to -36.10 | **** | |
| -42.5 | -68.70 to -16.29 | * | |
| 0.15 | -5.430 to 5.650 | ns | |
| -42.39 | -52.26 to -32.51 | **** | |
| -27.85 | -55.27 to -0.4239 | * | |
| 10.15 | -25.20 to 27.43 | ns | |
| 2.375 | 1.382 to 3.368 | *** | |
| 0.286 | -0.08438 to 0.6564 | ns | |
| -1.485 | -4.360 to -0.7600 | *** | |
| -11.37 | -15.57 to -7.166 | **** | |
| -16.31 | -35.53 to 2.917 | ns | |
| -1.95 | -9.970 to 7.280 | ns | |
| 11.36 | 7.495 to 15.22 | **** | |
| 15.98 | 3.815 to 28.14 | * | |
| 1.85 | -12.90 to 8.600 | ns | |

Supplementary figures

| | | |
|--------|-------------------|------|
| -1.595 | -3.475 to 0.2849 | ns |
| -2.59 | -6.002 to 0.8217 | ns |
| -2.055 | -3.080 to -0.5200 | ** |
| -57.26 | -64.52 to -49.99 | **** |
| -51.87 | -63.51 to -40.22 | *** |
| -2.95 | -14.66 to 6.610 | ns |
| 61.55 | 53.30 to 69.80 | **** |
| 61.1 | 49.01 to 73.19 | *** |
| -0.25 | -8.700 to 15.80 | ns |
| 19.59 | 13.26 to 24.24 | **** |
| -13.1 | -20.40 to -3.300 | *** |
| 14.81 | 8.824 to 20.79 | *** |
| 7.34 | -11.46 to 26.14 | ns |
| -19.67 | -38.14 to -2.200 | * |
| 6.67 | -1.640 to 15.50 | * |
| 4.45 | 1.210 to 4.530 | ns |
| -7.77 | -23.68 to -2.250 | ** |
| -7.3 | -17.70 to -1.200 | * |
| -3.4 | -10.00 to -0.4000 | ns |
| 10 | 2.100 to 26.90 | ** |
| 20.96 | 8.970 to 31.78 | *** |
| 20.4 | 12.39 to 25.90 | ns |
| 10.3 | -15.00 to 22.60 | ns |
| -21.8 | -32.36 to -11.24 | *** |
| -24 | -35.35 to -12.65 | ** |
| -12.5 | -22.40 to 17.20 | ns |
| 2.5 | 2.260 to 33.67 | ** |
| 0.24 | -30.93 to 46.86 | ns |
| 22.62 | 0.04000 to 487.0 | * |
| 226.6 | -307.4 to 430.7 | ns |
| 65.51 | -61.04 to 119.5 | ns |
| -49.63 | -176.2 to 56.60 | ns |
| 62.78 | -43.45 to 304.4 | ns |
| 6.31 | -31.52 to 14.82 | ns |
| 11.07 | -30.61 to 126.4 | ns |
| 33.55 | -110.1 to 168.9 | ns |
| 4705 | -273.7 to 7963 | ns |
| -3058 | -8037 to 2942 | ns |
| 3284 | -2716 to 15599 | ns |
| 5.44 | -123.4 to 62628 | ns |

Supplementary figures

| | | |
|--------|------------------|----|
| 474.8 | -62148 to 183876 | ns |
| 276.5 | 82.88 to 40331 | ** |
| 2027 | -38758 to 40055 | ns |
| -140.5 | -549.5 to 1636 | ns |
| -230.1 | -595.5 to 224.0 | ns |
| 299.9 | -222.1 to 676.0 | ns |