

Table S1: Differential Gene Expression in overlapping macrophage clusters (Control vs MI)

| C1-CON vs C1-MI | C2-CON vs C2-MI | C3-CON vs C3-MI | C4-CON vs C4-MI |
|-----------------|-----------------|-----------------|-----------------|
| Retnla | Retnla | Retnla | Retnla |
| Gm10116 | Lyve1 | Folr2 | Mgl2 |
| Rpl10-ps3 | Ccl24 | Cd36 | mt-Atp8 |
| Gm10076 | Folr2 | Cbr2 | Cd36 |
| Ccl24 | Cd36 | F13a1 | *** |
| mt-Atp8 | mt-Atp8 | mt-Atp8 | Ssbp4 |
| Mgl2 | Mgl2 | Mgl2 | Folr2 |
| Gm2000 | Gm10020 | Ccl24 | Hspa1a |
| Cd36 | mt-Nd4l | Klf2 | Hspa1b |
| Gm8186 | Gm10116 | Lyve1 | |
| H2-Aa | Fxyd2 | Gm10116 | |
| H2-Eb1 | Ltc4s | mt-Nd4l | |
| *** | Fcna | mt-Nd3 | |
| Fcrls | mt-Nd5 | Hspa1b | |
| Ctsl | Gm10076 | Gm10076 | |
| Ctsd | S100a6 | Pf4 | |
| Mpeg1 | Mrps6 | mt-Nd5 | |
| AF251705 | Rpl10-ps3 | Gm10020 | |
| Ms4a7 | Cbr2 | Cfh | |
| AY036118 | Klf2 | Fxyd2 | |
| Ccl8 | Timd4 | Fcgrt | |
| Trem2 | F13a1 | Pmp22 | |
| Spp1 | Cfp | Lyz1 | |
| C4b | Cd163 | Rpl10-ps3 | |
| Clec4n | Gm2000 | Gm8186 | |
| | Dok2 | Hspa1a | |
| | mt-Nd3 | Chka | |
| | Gm8186 | Nme2 | |
| | Gclm | mt-Nd2 | |
| | S100a10 | Rhoc | |
| | Rpl36-ps3 | Mrps6 | |
| | Cfh | Timp2 | |
| | Hspa1b | Ifi27l2a | |
| | Gm11808 | Lilra5 | |
| | Pfn1 | *** | |
| | Tubb6 | Ctsd | |
| | Gm10073 | AY036118 | |
| | *** | Trem2 | |
| | Fcrls | Ms4a7 | |
| | AF251705 | Spp1 | |
| | Olfml3 | | |
| | Cd9 | | |
| | Lpcat2 | | |
| | AY036118 | | |
| | Cd72 | | |
| | Trem2 | | |
| | Clec4n | | |
| | Ms4a7 | | |
| | Spp1 | | |

* **Red** genes are up-regulated and **blue** genes are down-regulated

*** Transition from upregulated to downregulate genes