**Table S4. Significantly regulated genes at week 4 based on the treatment received.** A one-tailed paired t-test analysis was performed for all genes included in the gene response set (RGS) comparing week 4 and pre-treatment. P values (p<0.05 is considered significant) and fold changes are shown for each treatment group: placebo (n=7), mesalazine (n=7) or dersalazine sodium (n=12).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Placebo** | | **Mesalazine** | | **Dersalazine sodium** | |
| **Gene ID** | p.value | fold.change | p.value | fold.change | p.value | fold.change |
| ADAM9.Hs00177638\_m1 | 0.23 | 1.03 | 0.63 | 1.09 | 0.29 | 1.11 |
| C4BPB.Hs00361221\_m1 | 0.08 | 1.13 | 0.08 | 2.60 | 0.02 | 1.80 |
| CD1D.Hs00939888\_m1 | 0.75 | 1.01 | 0.74 | 1.14 | 0.44 | 1.12 |
| CEACAM1.Hs00989783\_m1 | 0.31 | 1.54 | 0.64 | 1.39 | 0.52 | 1.12 |
| CHPT1.Hs00220348\_m1 | 0.24 | 1.01 | 0.27 | 1.65 | 0.02 | 1.48 |
| CSF2.Hs00171266\_m1 | 0.03 | 1.59 | 0.12 | 1.33 | 0.15 | 1.09 |
| CXCL1.Hs00236937\_m1 | 0.02 | 2.32 | 0.11 | 1.21 | 0.04 | 1.15 |
| CXCL2.Hs00236966\_m1 | 0.01 | 1.63 | 0.10 | 1.33 | 0.07 | 1.06 |
| CXCL5.Hs00171085\_m1 | 0.26 | 2.33 | 0.08 | 4.40 | 0.12 | 2.18 |
| CXCL9.Hs00171065\_m1 | 0.03 | 2.57 | 0.14 | 1.18 | 0.05 | 2.16 |
| DEFB4.Hs00823638\_m1 | 0.07 | 2.06 | 0.05 | 6.06 | 0.02 | 2.56 |
| HLA.C.Hs03044135\_m1 | 0.97 | 1.24 | 0.99 | 1.37 | 0.35 | 1.16 |
| HRH4.Hs01010880\_m1 | 0.80 | 1.39 | 0.57 | 1.06 | 0.12 | 1.82 |
| ICAM1.Hs99999152\_m1 | 0.13 | 1.13 | 0.24 | 1.48 | 0.03 | 1.82 |
| IFITM1.Hs01652522\_g1 | 0.13 | 1.13 | 0.12 | 1.80 | 0.003 | 1.99 |
| IGKV1.5.IGKC.Hs00736177\_m1 | 0.43 | 1.22 | 0.78 | 1.58 | 0.04 | 3.45 |
| IL17A.Hs00936345\_m1 | 0.03 | 2.41 | 0.12 | 2.00 | 0.04 | 1.42 |
| IL18.Hs99999040\_m1 | 0.29 | 1.25 | 0.62 | 1.05 | 0.44 | 1.08 |
| IL1A.Hs99999028\_m1 | 0.04 | 1.19 | 0.09 | 1.96 | 0.03 | 1.73 |
| IL1B.Hs99999029\_m1 | 0.22 | 1.32 | 0.03 | 1.41 | 0.03 | 3.17 |
| IL1R2.Hs01030389\_m1 | 0.02 | 1.71 | 0.05 | 1.37 | 0.03 | 1.51 |
| IL23A.Hs00372324\_m1 | 0.06 | 2.55 | 0.16 | 1.20 | 0.03 | 1.71 |
| IL2RA.Hs00907779\_m1 | 0.10 | 1.63 | 0.25 | 1.62 | 0.03 | 1.57 |
| IL8.Hs99999034\_m1 | 0.53 | 2.42 | 0.10 | 1.57 | 0.03 | 2.08 |
| IL8RB.Hs01011557\_m1 | 0.14 | 1.02 | 0.03 | 3.53 | 0.003 | 2.09 |
| IRF1.Hs00971960\_m1 | 0.06 | 1.19 | 0.09 | 1.06 | 0.22 | 1.08 |
| ITGB2.Hs00164957\_m1 | 0.15 | 1.45 | 0.11 | 1.59 | 0.08 | 1.79 |
| ITGB6.Hs00168458\_m1 | 0.09 | 1.09 | 0.27 | 1.34 | 0.05 | 1.21 |
| LCN2.Hs00194353\_m1 | 0.18 | 1.06 | 0.26 | 1.01 | 0.07 | 1.19 |
| LPCAT1.Hs00227357\_m1 | 0.18 | 1.13 | 0.28 | 1.03 | 0.10 | 1.02 |
| MMP1.Hs00233958\_m1 | 0.15 | 1.46 | 0.12 | 1.70 | 0.004 | 3.38 |
| MMP3.Hs00233962\_m1 | 0.13 | 1.27 | 0.10 | 1.57 | 0.01 | 2.88 |
| NOS2.Hs00167257\_m1 | 0.02 | 3.90 | 0.04 | 2.24 | 0.01 | 1.35 |
| PLA2G7.Hs00173726\_m1 | 0.14 | 1.79 | 0.24 | 2.32 | 0.05 | 1.22 |
| PLAU.Hs00170182\_m1 | 0.25 | 1.01 | 0.37 | 1.21 | 0.01 | 2.48 |
| PTAFR.Hs00265399\_s1 | 0.15 | 1.49 | 0.35 | 1.00 | 0.01 | 1.82 |
| PTGS2.Hs01573471\_m1 | 0.57 | 1.99 | 0.09 | 1.12 | 0.01 | 2.23 |
| S100A8.Hs00374263\_m1 | 0.09 | 1.81 | 0.05 | 2.69 | 0.02 | 2.36 |
| S100P.Hs00195584\_m1 | 0.39 | 1.07 | 0.74 | 1.55 | 0.25 | 1.23 |
| SAA2.Hs00754237\_s1 | 0.06 | 3.18 | 0.16 | 1.93 | 0.08 | 1.09 |
| STAT1.Hs01014002\_m1 | 0.22 | 1.28 | 0.34 | 1.74 | 0.02 | 1.35 |
| STAT3.Hs01047580\_m1 | 0.10 | 1.10 | 0.80 | 1.00 | 0.15 | 1.04 |
| TFF1.Hs00907239\_m1 | 0.63 | 1.05 | 0.94 | 1.27 | 0.18 | 1.27 |